TEST REPORT NO: RU1109/5659

COPY NO: ----------

ISSUE NO: 2

REPORT ON THE RADIO PERFORMANCE TESTING OF A
TELEX COMMUNICATIONS Inc.
Electro-Voice Model RE-2 A Wireless Microphone Receiver
WITH RESPECT TO
ETSI EN 300 422-2 08/2000

TEST DATE: 20th May 2004 – 23rd July 2004

TESTED BY: JOHN CHARTERS Digitally signed by JOHN CHARTERS DN: cn=JOHN CHARTERS, o=TRL COMPLIANCE SERVICES, c=US Date: 2004.10.27 14:26:33 +01'00' Signature Not Verified J CHARTERS

APPROVED BY: Peter Green Digitally signed by Peter Green DN: cn=Peter Green, o=TRL Compliance Services, c=GB Date: 2004.10.27 13:39:42 Z Signature Not Verified P GREEN
EMC PRODUCT MANAGER

DATE: 27/10/04

Distribution:

Copy Nos: 1. TELEX COMMUNICATIONS Inc.

2. TRL Compliance Services Ltd

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FS 21805

CONTENTS

Notes:

1. Component failure during test: YES [X] NO [ ]

2. If Yes, details of failure: Conducted emissions over limit. Add connection from can of component T2 to ground

3. All measurement uncertainty calculations detailed in this report are carried out in accordance with ETR 028 (4), corresponding to an expansion factor k = 1.96 providing for a 95% confidence level.

4. The contents of the attached applicants declarations and other supplied information are not covered by the scope of this laboratory's UKAS or FCC accreditations' and is provided in good faith.

CERTIFICATE OF CONFORMITY & COMPLIANCE

PURPOSE OF TEST:	Radio Performance Testing				
TEST SPECIFICATION(s):	ETSI EN 300 422-2 08/2000				
TEST RESULT:	Compliant to Specification				
EQUIPMENT UNDER TEST:	Electro-Voice Model RE-2 A Wireless Microphone Receiver				
EQUIPMENT SERIAL No:	5260				
BAND(s) OF OPERATION:	648.1 MHz – 675.9 MHz (Band A)				
ITU: EMISSION CODE(s):	200KF3E				
EQUIPMENT TYPE:	Radio Microphone Receiver				
EQUIPMENT USE:	Studio and Outside Broadcast Communications				
TRANSMITTER Pnom:	Not Applicable				
ANTENNA TYPE:	2 x Whip Antenna				
CHANNEL BANDWIDTH:	200kHz				
FREQUENCY GENERATION:	SAW Resonator	[ ]	Crystal	[ ]	Synthesiser [X]
MODULATION METHOD:	Amplitude	[ ]	Digital	[ ]	Angle [X]
POWER SOURCE(s):	+12 to +15 Vac/dc				
TEST DATE(s):	20th May 2004 – 23rd July 2004				
ORDER No(s):	296609				
APPLICANT:	TELEX COMMUNICATIONS Inc.				

TESTED BY: JOHN CHARTERS — Digitally signed by JOHN CHARTERS DN: cn=JOHN CHARTERS, o=TRL COMPLIANCE SERVICES, c=US Date: 2004.10.27 14:26:55 +01'00' — Signature Not Verified — J CHARTERS

APPROVED BY: Peter Green — Digitally signed by Peter Green DN: cn=Peter Green, o=TRL Compliance Services, c=GB Date: 2004.10.27 13:40:34 Z — Signature Not Verified — P GREEN EMC PRODUCT MANAGER

APPLICANT'S SUMMARY

EQUIPMENT UNDER TEST (EUT):	Electro-Voice Model RE-2 A Wireless Microphone Receiver
EQUIPMENT TYPE:	Radio Microphone Receiver
SERIAL NUMBER(s) OF EUT:	5260
PURPOSE OF TEST:	Radio Performance Testing
TEST SPECIFICATION(s):	ETSI EN 300 422-2 08/2000
TEST RESULT:	COMPLIANT Yes [X] No [ ]
APPLICANT'S CATEGORY:	MANUFACTURER [X] IMPORTER DISTRIBUTOR [ ] TEST HOUSE [ ] AGENT [ ] [ ]
APPLICANT'S ORDER No(s):	296609
APPLICANT'S CONTACT PERSON(s):	Mr Charles Conner
APPLICANT:	TELEX COMMUNICATIONS Inc.
ADDRESS:	8601 East Cornhusker Highway Lincoln, NE 68505
TEL:	+01 402-467-5321
FAX:	+01 402-467-3279
MANUFACTURER:	TELEX COMMUNICATIONS Inc.
EUT(s) COUNTRY OF ORIGIN:	United States
TEST LABORATORY:	TRL EMC
TEST DATE(s)	20th May 2004 – 23rd July 2004
TEST REPORT No:	RU1109/5659

EQUIPMENT TEST CONDITIONS

1.

EQUIPMENT SERIAL / MODEL IDENTITY	CHANNEL NUMBER	Tx NOMINAL FREQUENCY MHz	Rx NOMINAL FREQUENCY MHz	REMARKS
RE-2 A	Low Mid High	N/A	648.1 662.0 675.9	Full testing required on frequencies within 100kHz of the top, middle and bottom of the tuneable range

2. Equipment Category:
   - Category 1 (General) [X]
   - Category 2 (Portable) [ ]
   - Category 3 (Normal Indoor Use) [ ]

3. Alignment Range Category:
   - AR1 [ ]
   - AR2 [X]

4. Supply Voltages:

(Tx)	Vnom	=	N/A
	Vmin	=	N/A
	Vmax	=	N/A
(Rx)	Vnom	=	12-15 Vac/dc
	Vmin	=	N/A
	Vmax	=	N/A

Note: Vnom voltages are as stated above unless otherwise shown on the test report page

5. Temperatures: (see transmitter category)

Tnom	=	(See test)	
Tmin	=	-20°C	[ ]
	=	-10°C	[ ]
	=	0°C	[ ]
Tmax	=	+60°C	[ ]
	=	+55°C	[ ]
	=	+40°C	[ ]
	=	+30°C	[ ]

6. Transmitter Maximum Deviation or Shift: kHz = N/A

7. Transmitter Power Class: Class = N/A

8. Transmitter Duty Cycle: % = N/A

9. Receiver Rated Audio Output Power & Impedance:
   - Vrms = 2 Vrms
   - Ohms = 100 K ohms

10. Necessary Bandwidth: kHz = N/A

ESSENTIAL RADIO TEST SUITES

TRANSMITTER TEST RESULTS

TRANSMITTER FREQUENCY ERROR

RHnom = N/A

Tx Pnom = N/A

Necessary Bandwidth = N/A

Method RTP50 [ ]
RTP50A [ ]
RTP70 [ ]

Channel				
Tnom	Vnom	Not applicable	Not applicable	Not applicable
Tmin	Vmin	Not applicable	Not applicable	Not applicable
	Vmax	Not applicable	Not applicable	Not applicable
Tmax	Vmin	Not applicable	Not applicable	Not applicable
	Vmax	Not applicable	Not applicable	Not applicable
Max Frequency Error	Normal	Not applicable	Not applicable	Not applicable
	Extreme	Not applicable	Not applicable	Not applicable
Limits Clause 8.1.3	Normal	Operating Frequency	Channel Bandwidths 100kHz,150kHz,200kHz	Channel Bandwidths 75KHz, 50kHz
		25MHz – 88MHz >88MHz – 300MHz >300MHz – 1000MHz >1GHz – 3GHz	3kHz 7kHz 10kHz 25kHz	2kHz 3kHz 6kHz 14kHz
	Extreme	25MHz – 88MHz >88MHz – 300MHz >300MHz – 1000MHz >1GHz – 3GHz	5kHz 10kHz 15kHz 32kHz	3kHz 5kHz 7kHz 18kHz
Measurement Uncertainty		±2.7 x 10^{-7}Hz [ ] ;		±0.0002% ±200Hz [ ]

Test Equipment Used:
Full description at Annex B:

Remarks: **Not applicable. The RE-2 is a receiver only.**

TRANSMITTER TEST RESULTS

TRANSMITTER CARRIER POWER - CONDUCTED

RHnom = N/A

Tx Pnom = N/A

Power Class = N/A

Method RTP51 [ ]
RTP91 [ ]

Channel				
Tnom	Vnom	N/A	N/A	N/A
Tmin	Vmin	N/A	N/A	N/A
	Vmax	N/A	N/A	N/A
Tmax	Vmin	N/A	N/A	N/A
	Vmax	N/A	N/A	N/A
Max Relative Power	Normal & Extreme	N/A	N/A	N/A
Limits Clause 8.2.4	Normal & Extreme	50mW maximum power		
Measurement Uncertainty		±0.78dB [ ] ;	±1.5dB [ ]	

Test Equipment Used:
Full description at Annex B

Remarks: **Not applicable. The RE-2 is a receiver only.**

TRANSMITTER TEST RESULTS

EFFECTIVE RADIATED POWER

RHnom = N/A

Method RTP68 & 70

Tx Pnom = N/A

Declared power = N/A

Distance = 3m [ ]
= 10m [ ]

Polarisation Vertical = [ ]
Horizontal = [ ]

Channel				
Tnom	Vnom	Not applicable	Not applicable	Not applicable
Tmin	Vmin	Not applicable	Not applicable	Not applicable
	Vmax	Not applicable	Not applicable	Not applicable
Tmax	Vmin	Not applicable	Not applicable	Not applicable
	Vmax	Not applicable	Not applicable	Not applicable
Max Relative Power	Normal & Declared	Not applicable	Not applicable	Not applicable
Limits Clause 8.2.4	Normal & Extreme	50mW maximum power ±3dB of the declared power limit		
Measurement Uncertainty		±4.2dB *	±1.9dB #	

Test Equipment Used:
Full description at Annex B:

Remarks: **Not applicable. The RE-2 is a receiver only.**

TRANSMITTER TEST RESULTS

TRANSMITTER CHANNEL BANDWIDTH

Tnom = N/A

RHnom = N/A

Carrier Power = N/A

Method RTP55 [ ]
RTP55A [ ]

Channel				
EUT Carrier Power		Not applicable	Not applicable	Not applicable
AF Frequency Level @ -8 dB(lin)		Not applicable	Not applicable	Not applicable
AF Frequency Level @ + 12dB(lin)		Not applicable	Not applicable	Not applicable
Necessary Bandwidth		Not applicable	Not applicable	Not applicable
Limits Clause 8.3.3	Channel Separation (kHz)	Fc–1MHz Fc-B Fc-B/2 Fc-0.35 Fc Fc-0.35 Fc+B/2 Fc+B Fc+1MHz		-90dBc -80dBc -60dBc -20dBc 0dBc -20dBc -60dBc -80dBc -90dBc
	50 75 100 150 200			
Measurement Uncertainty		±0.44 dB [ ] ;		±1.9 dB [ ]

Test Equipment Used:
Full description at Annex B:

Remarks: **Not applicable. The RE-2 is a receiver only.**

TRANSMITTER TEST RESULTS

TRANSMITTER SPURIOUS EMISSIONS – RADIATED – OPERATING

Tnom = N/A Method RTP69

Channel = N/A

RHnom = N/A Tx Pnom = N/A

Spurious Frequency and Level >25MHz / <1GHz 4nW Bands		Not applicable	
Spurious Frequency and Level >25MHz / <1GHz 250nW Bands		Not applicable	
Spurious Frequency and Level >1GHz / <4GHz [ ] >1GHz / <12.75GHz [ ] 1µW Bands		Not applicable	
Limits Clause 8.4.3		<1000MHz	250nW
		>1000MHz	1µW
Measurement Uncertainty	>5.4GHz	±4.1dB	±1.0kHz
	>5.4GHz	±4.2dB	±1.0kHz

Exterior Measurements: Distance: 10.0 metres <48MHz [ ] 3.0 metres <1GHz [ ]

Interior Measurements: Distance: 3.0 metres <48MHz [ ] 0.3 metres <1GHz [ ]

Test Equipment Used:
Full description at Annex B:

Remarks: **Not applicable. The RE-2 is a receiver only.**

TRANSMITTER TEST RESULTS

TRANSMITTER SPURIOUS EMISSIONS – RADIATED – STANDBY

Tnom = N/A Method RTP69

RHnom = N/A Channel = N/A

Spurious Frequency and Level >25MHz / <1GHz 2nW Bands		Not applicable	Not applicable
Spurious Frequency and Level >1GHz / <4GHz [ ] >1GHz / <12.75GHz [ ] 20nW Bands		Not applicable	Not applicable
Limits Clause 8.4.3		<1000 MHz	2 nW
		>1000 MHz	20 nW
Measurement Uncertainty	<30MHz	±4.1dB	±1.0kHz
	>25MHz	±4.2dB	±1.0kHz

Exterior Measurements: Distance: 10.0 metres <48MHz [ ] 3.0 metres <1GHz [ ]

Interior Measurements: Distance: 3.0 metres <48MHz [ ] 0.3 metres <1GHz [ ]

Test Equipment Used:
Full description at Annex B:

Remarks: **Not applicable. The RE-2 is a receiver only.**

RECEIVER TEST RESULTS

RECEIVER SPURIOUS EMISSIONS – CONDUCTED

Tnom = 22°C Method RTP69

RHnom = 37% Channel = 648.1 MHz

Spurious Frequency and Level >25MHz / <1GHz 2nW Bands		No significant emissions within 10dBs of limit	
Spurious Frequency and Level >1GHz / <4GHz [ ] >1GHz / <12.75GHz [X] 20nW Bands [ ]		No significant emissions within 10dBs of limit	
Limits Clause 9.2		<1000MHz	2nW
		>1000MHz	20nW
Measurement Uncertainty	<5.4GHz	±1.5dB	±1.0kHz
	>5.4GHz	±1.9dB	±1.0kHz

Test Equipment Used: TRL479, TRL279
Full description at Annex B:

Remarks: Conducted emissions over limit.
Add connection from can of T2 to ground.

RECEIVER TEST RESULTS

RECEIVER SPURIOUS EMISSIONS – CONDUCTED

Tnom = 22°C Method RTP69

RHnom = 37% Channel = 662.0 MHz

Spurious Frequency and Level >25MHz / <1GHz 2nW Bands		No significant emissions within 10dBs of limit	
Spurious Frequency and Level >1GHz / <4GHz [ ] >1GHz / <12.75GHz [X] 20nW Bands [ ]		No significant emissions within 10dBs of limit	
Limits Clause 9.2		<1000MHz	2nW
		>1000MHz	20nW
Measurement Uncertainty	<5.4GHz	±1.5dB	±1.0kHz
	>5.4GHz	±1.9dB	±1.0kHz

Test Equipment Used: TRL479, TRL279
Full description at Annex B:

Remarks: Conducted emissions over limit.
Added connection from can of T2 to ground.

RECEIVER TEST RESULTS

RECEIVER SPURIOUS EMISSIONS – CONDUCTED

Tnom = 22°C Method RTP69

RHnom = 37% Channel = 675.9 MHz

Spurious Frequency and Level >25MHz / <1GHz 2nW Bands		No significant emissions within 10dBs of limit	
Spurious Frequency and Level >1GHz / <4GHz [ ] >1GHz / <12.75GHz [X] 20nW Bands [ ]		No significant emissions within 10dBs of limit	
Limits Clause 9.2		<1000MHz	2nW
		>1000MHz	20nW
Measurement Uncertainty	<5.4GHz	±1.5dB	±1.0kHz
	>5.4GHz	±1.9dB	±1.0kHz

Test Equipment Used: TRL479, TRL279
Full description at Annex B:

Remarks: Conducted emissions over limit.
Added connection from can of T2 to ground.

RECEIVER TEST RESULTS

RECEIVER SPURIOUS EMISSIONS – RADIATED

Tnom = 22°C Method RTP69

RHnom = 37% Channel = 648.1 MHz

Spurious Frequency and Level >25MHz / <1GHz 2nW Bands		582.4 MHz	0.79nW
Spurious Frequency and Level >1GHz / <4GHz [ ] >1GHz / <12.75GHz [X] 20nW Bands		No significant emissions within 10dBs of limit	
Limits Clause 9.2		<1000MHz	2nW
		>1000MHz	20nW
Measurement Uncertainty	<30MHz	±4.1dB	±1.0kHz
	>25MHz	±4.2dB	±1.0kHz

Test Equipment Used: TRLUH120, TRL280, TRL139,TRLUH75, TRL203, TRLUH04, TRLUH06, TRLUH28, TRLUH29
Full description at Annex B:

Remarks: 50 Ω Load on antenna terminals

RECEIVER TEST RESULTS

RECEIVER SPURIOUS EMISSIONS – RADIATED

Tnom = 22°C Method RTP69

RHnom = 37% Channel = 662.0 MHz

Spurious Frequency and Level >25MHz / <1GHz 2nW Bands		596.3 MHz	1.35nW
Spurious Frequency and Level >1GHz / <4GHz [ ] >1GHz / <12.75GHz [X] 20nW Bands		No significant emissions within 10dBs of limit	
Limits Clause 9.2		<1000MHz	2nW
		>1000MHz	20nW
Measurement Uncertainty	<30MHz	±4.1dB	±1.0kHz
	>25MHz	±4.2dB	±1.0kHz

Test Equipment Used: TRLUH120, TRL280, TRL139,TRLUH75, TRL203, TRLUH04, TRLUH06, TRLUH28, TRLUH29
Full description at Annex B:

Remarks: 50 Ω Load on antenna terminals

RECEIVER TEST RESULTS

RECEIVER SPURIOUS EMISSIONS – RADIATED

Tnom = 22°C Method RTP69

RHnom = 37% Channel = 675.9 MHz

Spurious Frequency and Level >25MHz / <1GHz 2nW Bands		No significant emissions within 10dBs of limit	
Spurious Frequency and Level >1GHz / <4GHz [ ] >1GHz / <12.75GHz [X] 20nW Bands		No significant emissions within 10dBs of limit	
Limits Clause 9.2		<1000MHz	2nW
		>1000MHz	20nW
Measurement Uncertainty	<30MHz	±4.1dB	±1.0kHz
	>25MHz	±4.2dB	±1.0kHz

Test Equipment Used: TRLUH120, TRL280, TRL139,TRLUH75, TRL203, TRLUH04, TRLUH06, TRLUH28, TRLUH29
Full description at Annex B:

Remarks: 50 Ω Load on antenna terminals

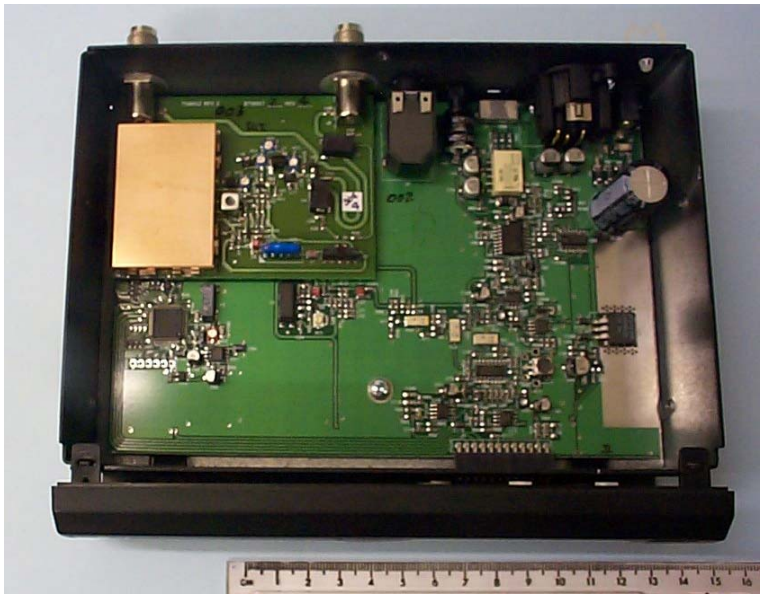
ANNEX A

PHOTOGRAPHS

PHOTOGRAPH No. 1 **Equipment Under Test**

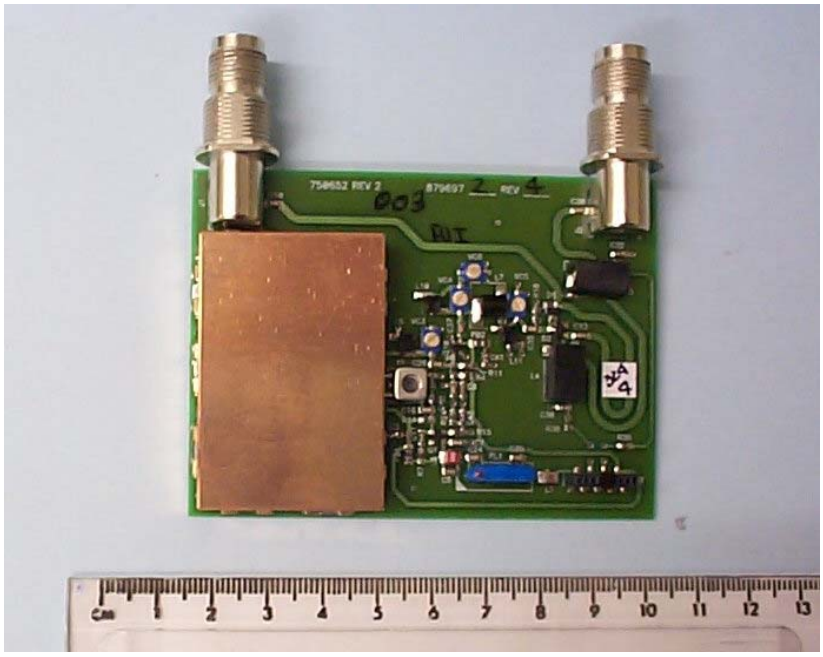
PHOTOGRAPH No. 2 **Overview**

PHOTOGRAPH No. 3 **Overview Lid Open**

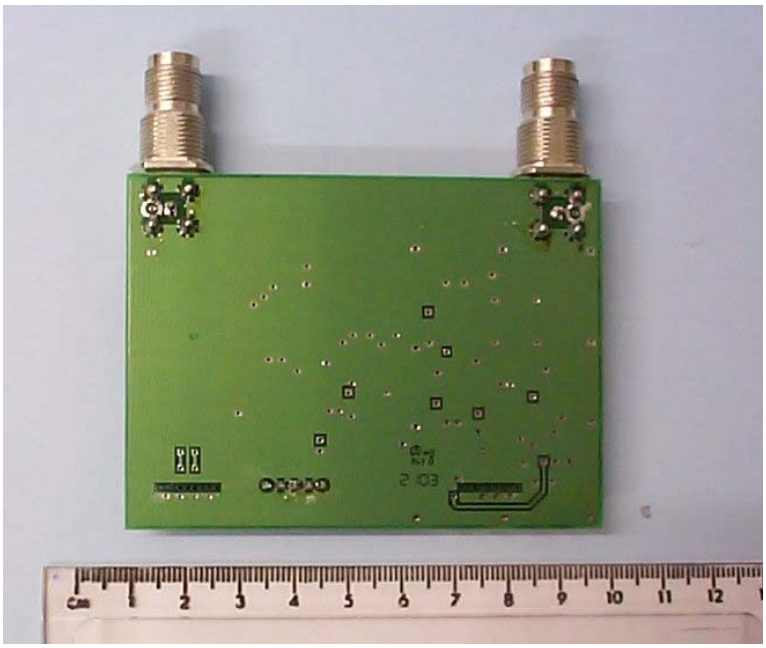


PHOTOGRAPH No. 4 **Overview Back**

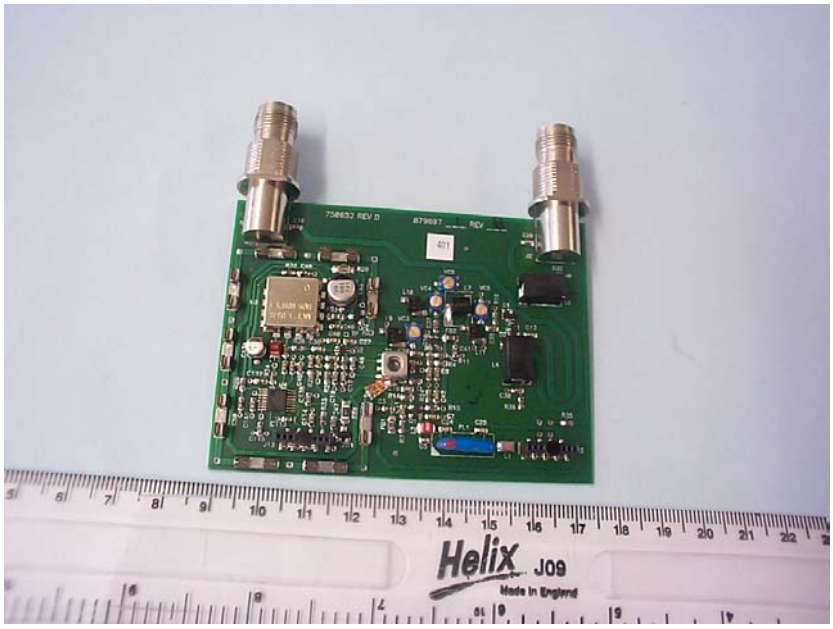
PHOTOGRAPH No. 5 **RF PCB Top**



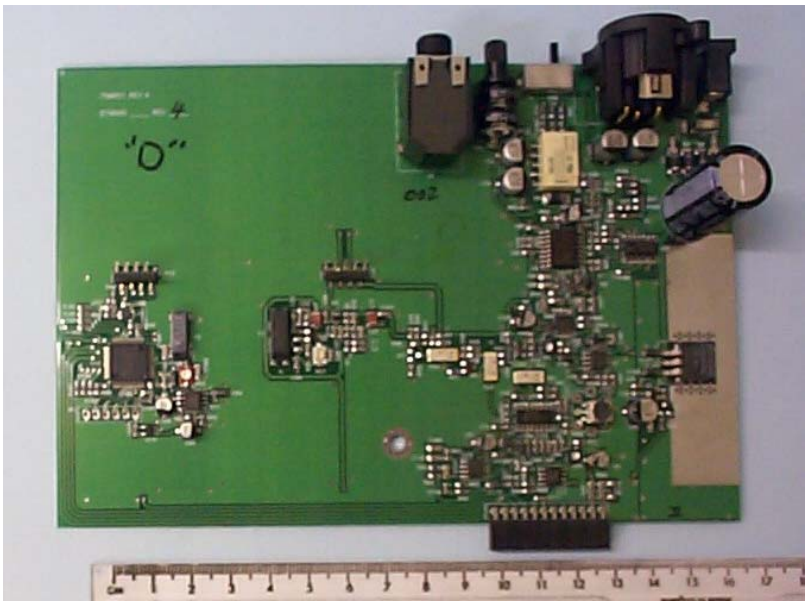
PHOTOGRAPH No. 6 **RF PCB Bottom**



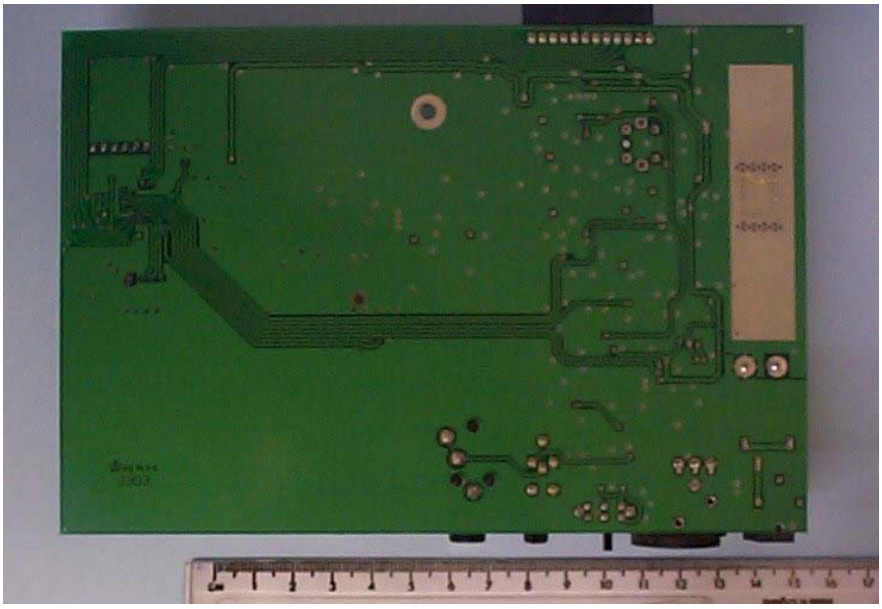
PHOTOGRAPH No. 7 **RF PCB Can Removed**



PHOTOGRAPH No. 8 **Main PCB Top**



PHOTOGRAPH No. 9 **Main PCB Bottom**



ANNEX B

TEST EQUIPMENT LIST

TEST EQUIPMENT LIST

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No
RF ANALYSER, RADIO COMMS, 100kHz - 1GHz	R & S	CMTA 52	894715 / 003	05
LOOP ANTENNA 9kHz - 30MHz	R & S	HFH2	881058 - 53	07
RANGE 1 (3 - 30m)	TRL	N/A	N/A	08
ENVIRONMENTAL CHAMBER (temp)	SHARETREE	TCC125 - 815P	CS 203	11
AE, DRG HORN, 1GHz - 18GHz	EMCO	3115	9010 - 3580	138
RF ANALYSER, 10kHz - 60GHz	TEKTRONIX	2756P	B010109	164
GRAPH PLOTTER	ROLAND	DXY1100	BC19385	165
DATA CONVERTER	GREENWICH	GA234	N/A	166
RF SIGNAL GEN, LOW NOISE -90dBc, 10kHz - 5.4GHz	MARCONI	2042	119388 / 080	176
MULTIMETER (dig)	ISOTECH	IDM91	00606606	190
THERMOMETER & HYGROMETER	RS COMPONENTS	212 - 146	N/A	191
LF / HF RECEIVER, 9kHz - 30MHz	R & S	ESHS20	837960 / 003	237
RF SIGNAL GEN, LOW NOISE –90dBc, 10kHz - 5.4GHz	MARCONI	2042	119562 / 021	254
RF POWER METER	MARCONI	6960B	237012 / 015	282
COAX ATTN 2W 30dB, N, 50Ω DC 20GHz	WEINSCHEL	5848	BB7374	283A
V / UHF RECEIVER, 20MHz - 1GHz	R & S	ESVS10	837948 / 003	317
V / UHF RECEIVER, 20MHz - 1GHz	R & S	ESVS10	844594 / 0003	352
LF / HF RECEIVER, 9kHz - 30MHz	R & S	ESHS10	844077 / 019	353
V / UHF RECEIVER, 20MHz - 1GHz	R & S	ESVS20	838804 / 005	415
RF ANALYSER, RADIO COMMS, 400kHz - 1GHz	R & S	CMS54, with opts. B1,B5,B31	842509 / 022	420
LF / HF RECEIVER, 9kHz - 30MHz	R & S	ESHS10	830051 / 001	UH 03
LOOP ANTENNA 9kHz - 30MHz	R & S	HFH - Z2	892246 / 023	UH 23
RF ANALYSER, DC - 26.5GHz	MARCONI	2380	152089 / 009	UH 120
		2386	152076 / 044	

ANNEX C

EMISSION GRAPH(s)

TRL Compliance Services Ltd

23 Jul 2004 15:10

E-Field Radiation

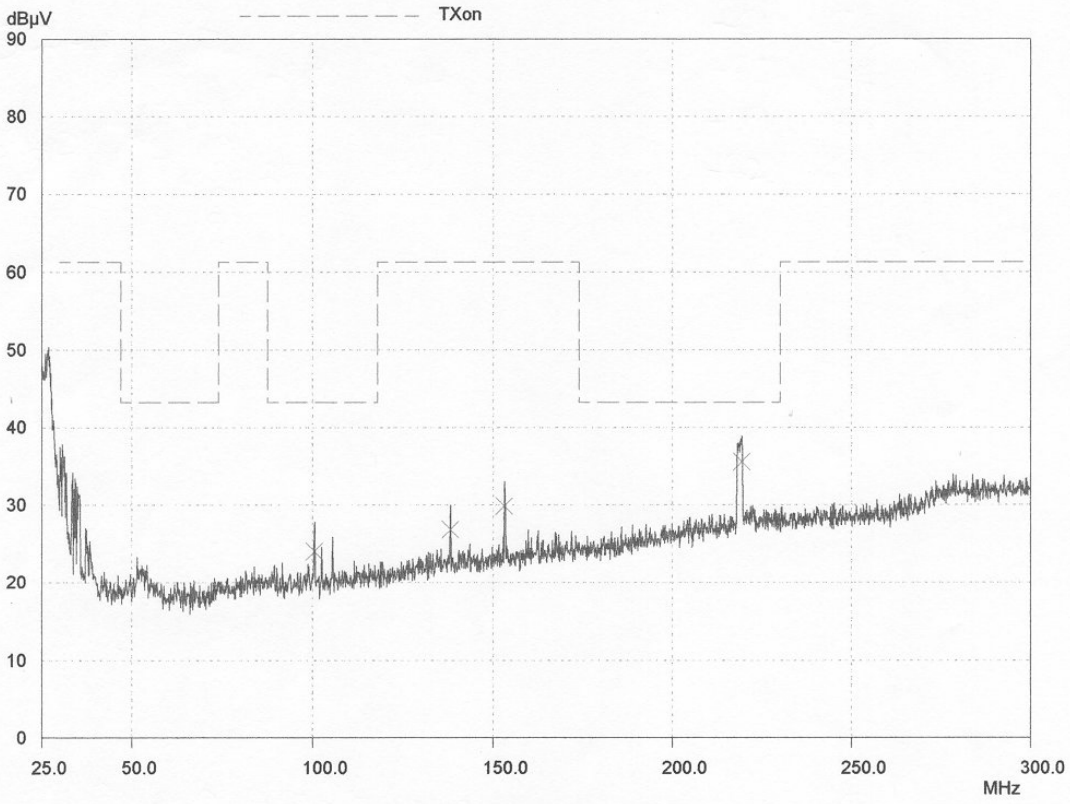
EUT:	RE-2
Manuf:	Telex
Op Cond:	Pre-Scan 30MHz - 300MHz
Operator:	J Charters
Test Spec:	ETS 300 422
Comment:	Unit set to 648.1 MHz
	50 Ohm Termination on antenna port

Scan Settings (1 Range)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
25MHz	300MHz	50kHz	120kHz	PK	2msec	Auto	ON	60dB

Transducer	No.	Start	Stop	Name
	22	25MHz	300MHz	BiconeUH29

Final Measurement:		
	Detector:	X QP
	Meas Time:	1sec
	Peaks:	50
	Acc Margin:	20 dB



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TRL Compliance Services Ltd

23 Jul 2004 14:32

E-Field Radiation

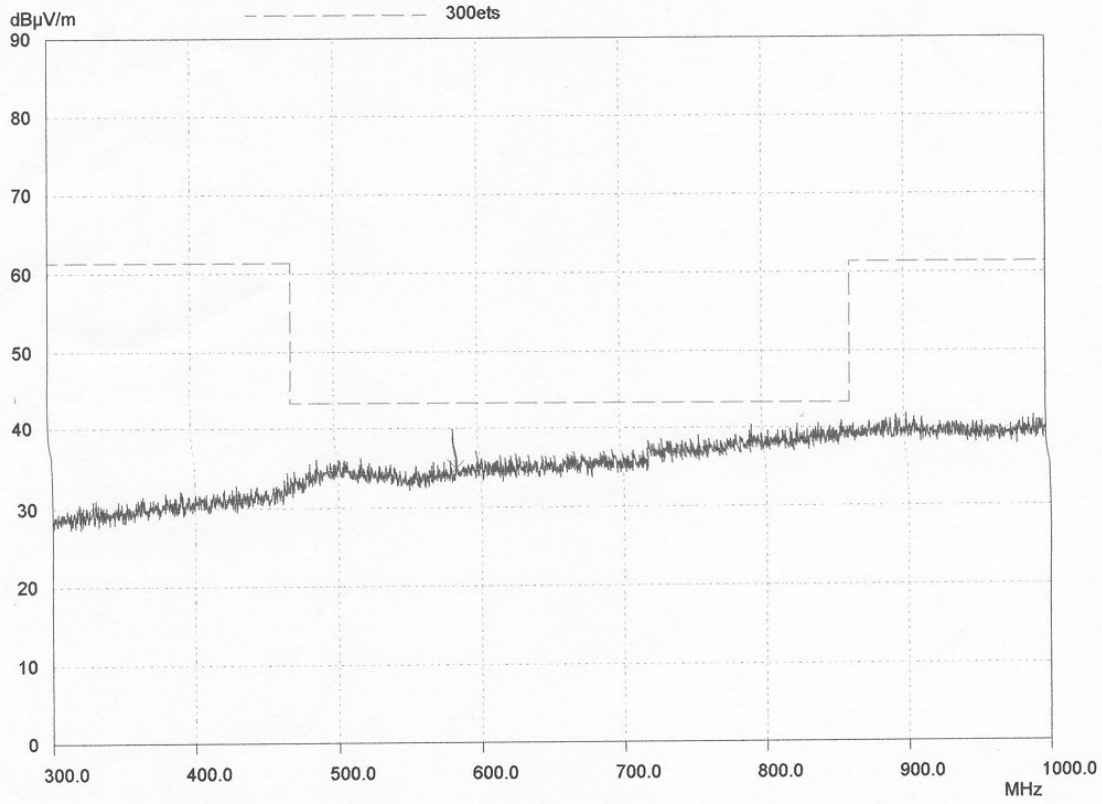
EUT:	RE-2 Kit 1
Manuf:	Telex
Op Cond:	Pre-Scan 300MHz - 1000MHz
Operator:	D Winstanley
Test Spec:	ETS 300 422
Comment:	Unit set to 648.1 MHz
	50 Ohm Termination on antenna port

Scan Settings (1 Range)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
300MHz	1000MHz	50kHz	120kHz	PK	2msec	Auto	ON	60dB

Transducer	No.	Start	Stop	Name
1	19	300MHz	1000MHz	LOGUH28
	20	25MHz	1000MHz	UH72Cable

Final Measurement:		
	Detector:	X QP
	Meas Time:	1sec
	Peaks:	50
	Acc Margin:	20 dB



PAGE 1

TRL Compliance Services Ltd

23 Jul 2004 15:00

E-Field Radiation

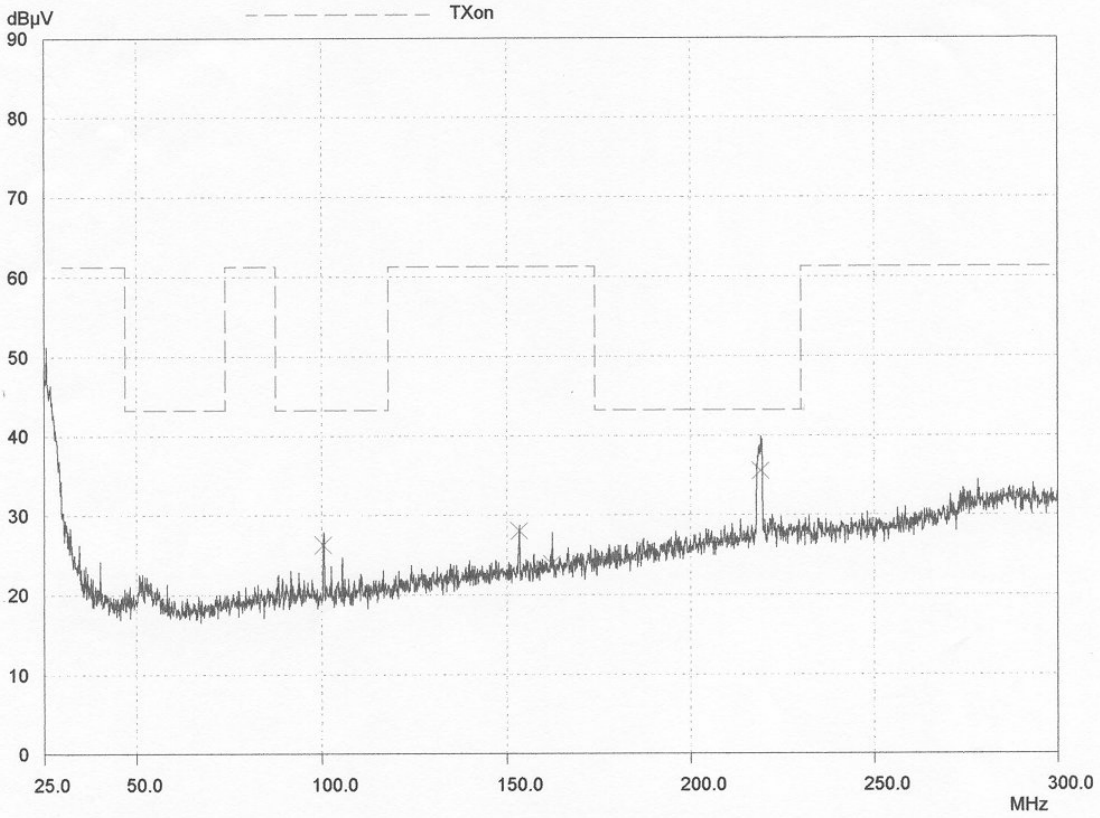
EUT:	RE-2
Manuf:	Telex
Op Cond:	Pre-Scan 30MHz - 300MHz
Operator:	J Charters
Test Spec:	ETS 300 422 662.0
Comment:	Unit set to ~~675.9~~ MHz
	50 Ohm Termination on antenna port

Scan Settings (1 Range)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
25MHz	300MHz	50kHz	120kHz	PK	2msec	Auto	ON	60dB

Transducer	No.	Start	Stop	Name
	22	25MHz	300MHz	BiconeUH29

Final Measurement:		
	Detector:	X QP
	Meas Time:	1sec
	Peaks:	50
	Acc Margin:	20 dB



PAGE 1

TRL Compliance Services Ltd

23 Jul 2004 14:48

E-Field Radiation

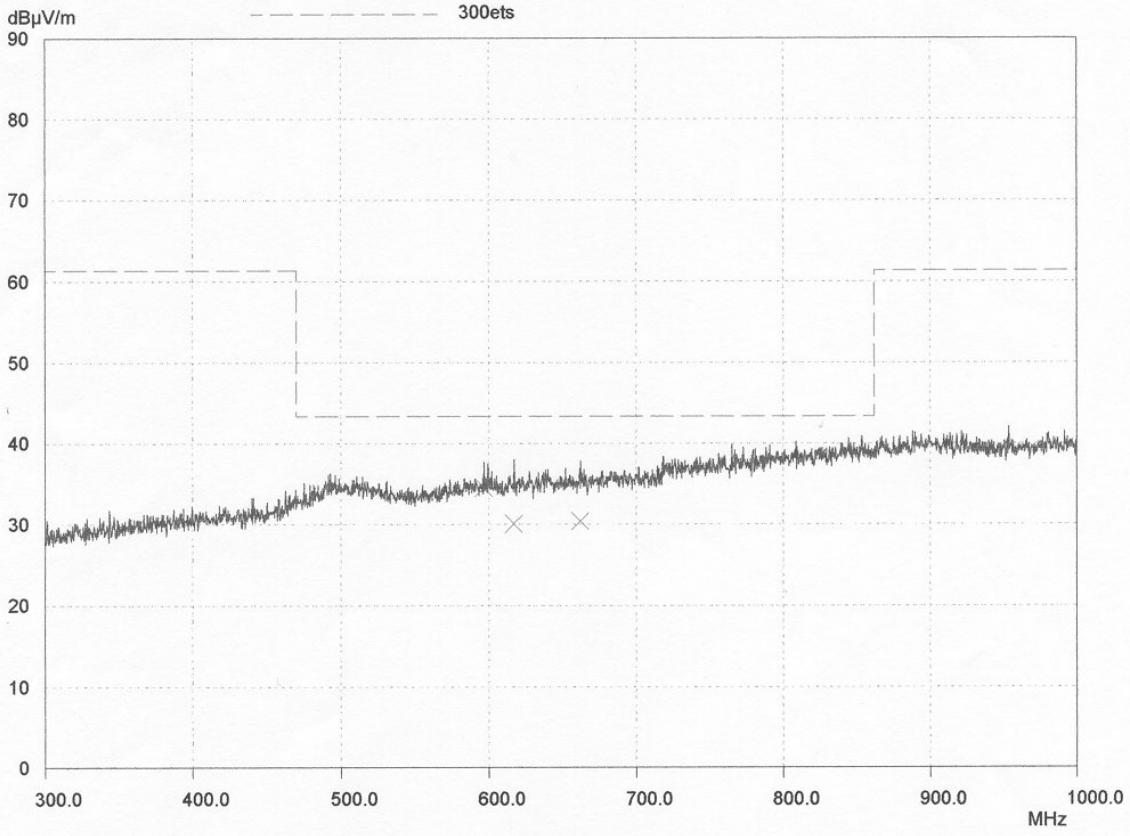
EUT:	RE-2 Kit 1
Manuf:	Telex
Op Cond:	Pre-Scan 300MHz - 1000MHz
Operator:	D Winstanley
Test Spec:	ETS 300 422
Comment:	Unit set to 662.0 MHz
	50 Ohm Termination on antenna port

Scan Settings (1 Range)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
300MHz	1000MHz	50kHz	120kHz	PK	2msec	Auto	ON	60dB

Transducer	No.	Start	Stop	Name
1	19	300MHz	1000MHz	LOGUH28
	20	25MHz	1000MHz	UH72Cable

Final Measurement:		
	Detector:	X QP
	Meas Time:	1sec
	Peaks:	50
	Acc Margin:	20 dB



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TRL Compliance Services Ltd

23 Jul 2004 15:05

E-Field Radiation

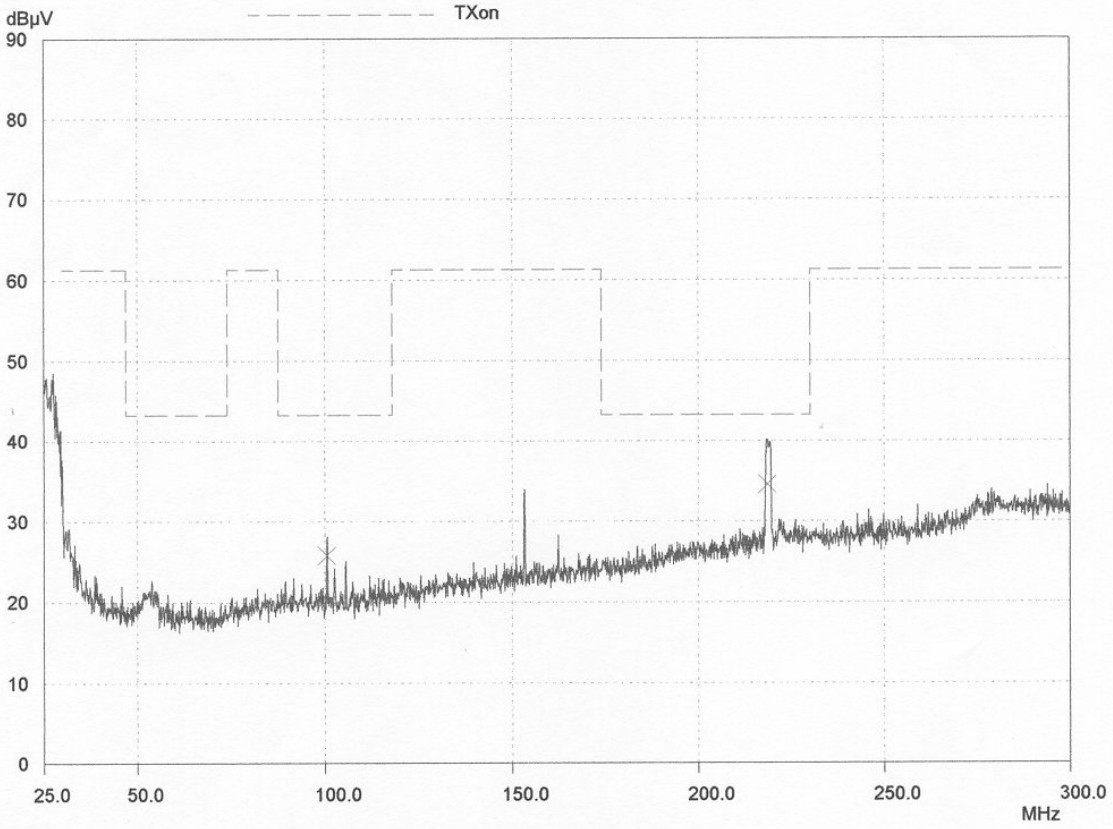
EUT:	RE-2
Manuf:	Telex
Op Cond:	Pre-Scan 30MHz - 300MHz
Operator:	J Charters
Test Spec:	ETS 300 422
Comment:	Unit set to 675.9 MHz
	50 Ohm Termination on antenna port

Scan Settings (1 Range)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
25MHz	300MHz	50kHz	120kHz	PK	2msec	Auto	ON	60dB

Transducer	No.	Start	Stop	Name
	22	25MHz	300MHz	BiconeUH29

Final Measurement:		
	Detector:	X QP
	Meas Time:	1sec
	Peaks:	8
	Acc Margin:	20 dB



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TRL Compliance Services Ltd

23 Jul 2004 14:39

E-Field Radiation

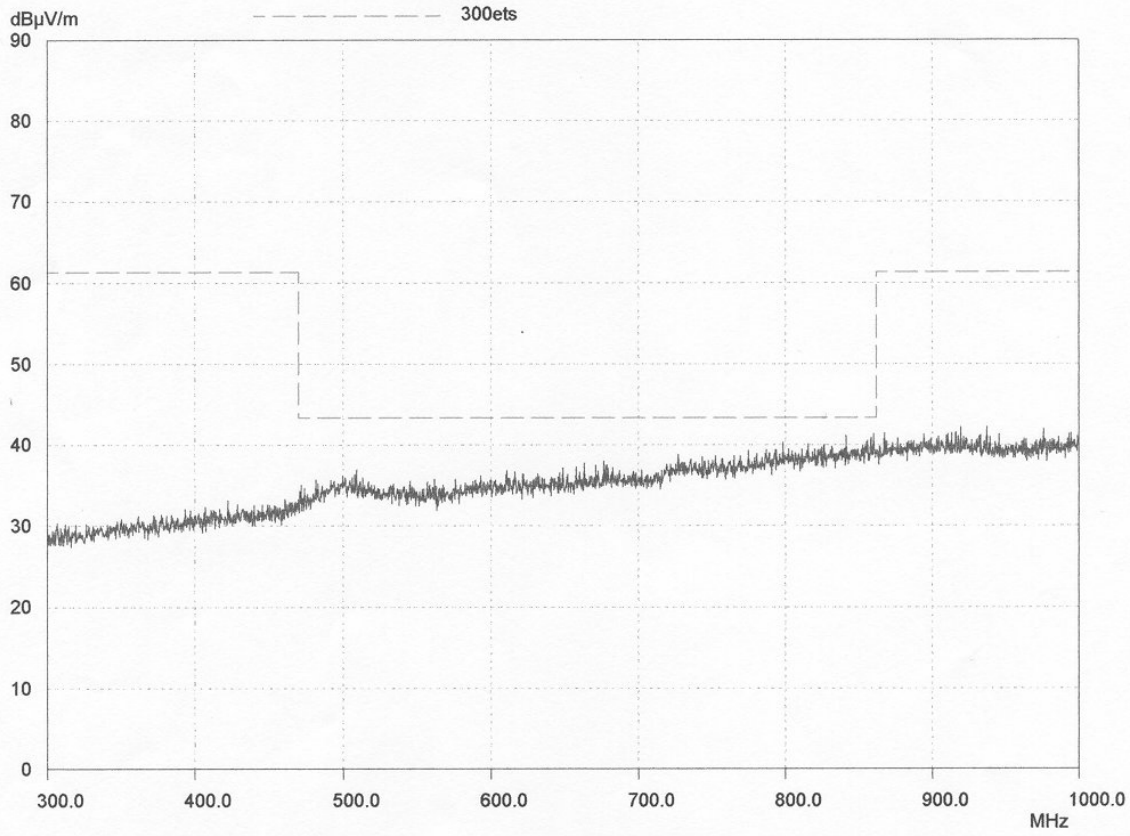
EUT:	RE-2 Kit 1
Manuf:	Telex
Op Cond:	Pre-Scan 300MHz - 1000MHz
Operator:	D Winstanley
Test Spec:	ETS 300 422
Comment:	Unit set to 675.9 MHz
	50 Ohm Termination on antenna port

Scan Settings (1 Range)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
300MHz	1000MHz	50kHz	120kHz	PK	2msec	Auto	ON	60dB

Transducer	No.	Start	Stop	Name
1	19	300MHz	1000MHz	LOGUH28
	20	25MHz	1000MHz	UH72Cable

Prescan Measurement:	Detector:	X PK
	Meas Time:	see scan settings
	Peaks:	50
	Acc Margin:	20 dB



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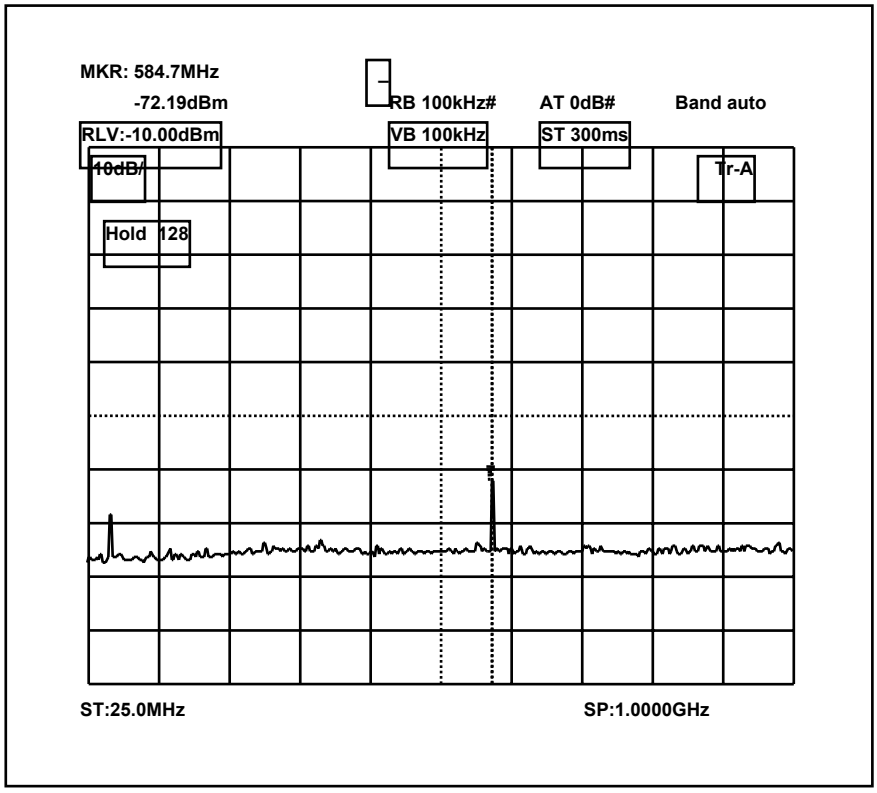
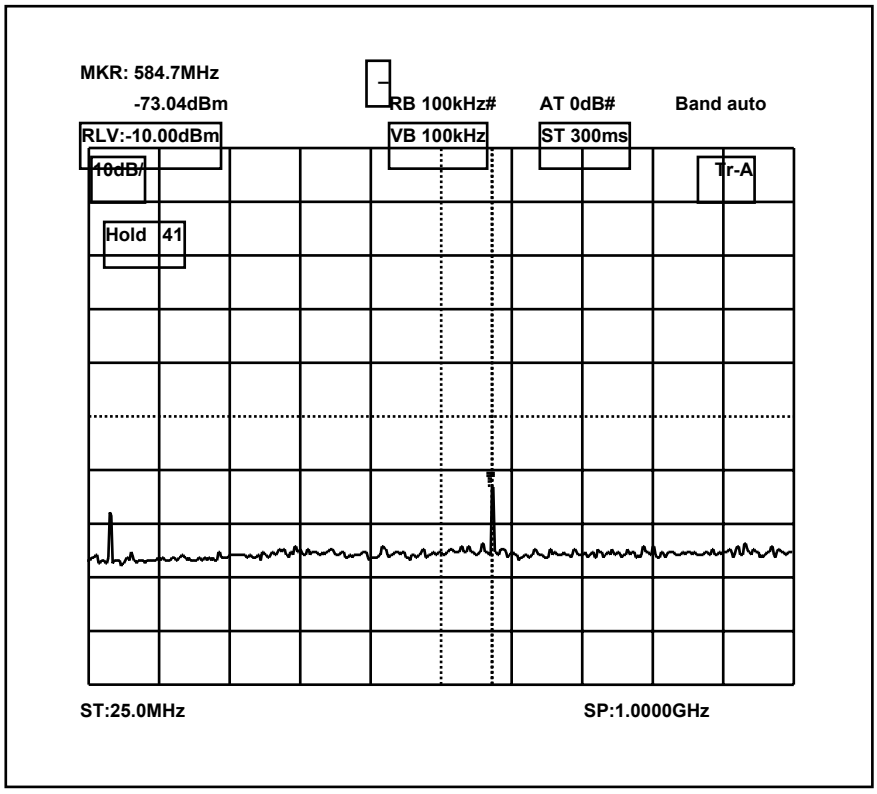
ANNEX D

SCAN PLOT(s)

25MHz – 1GHz Channel = 648.1 MHz

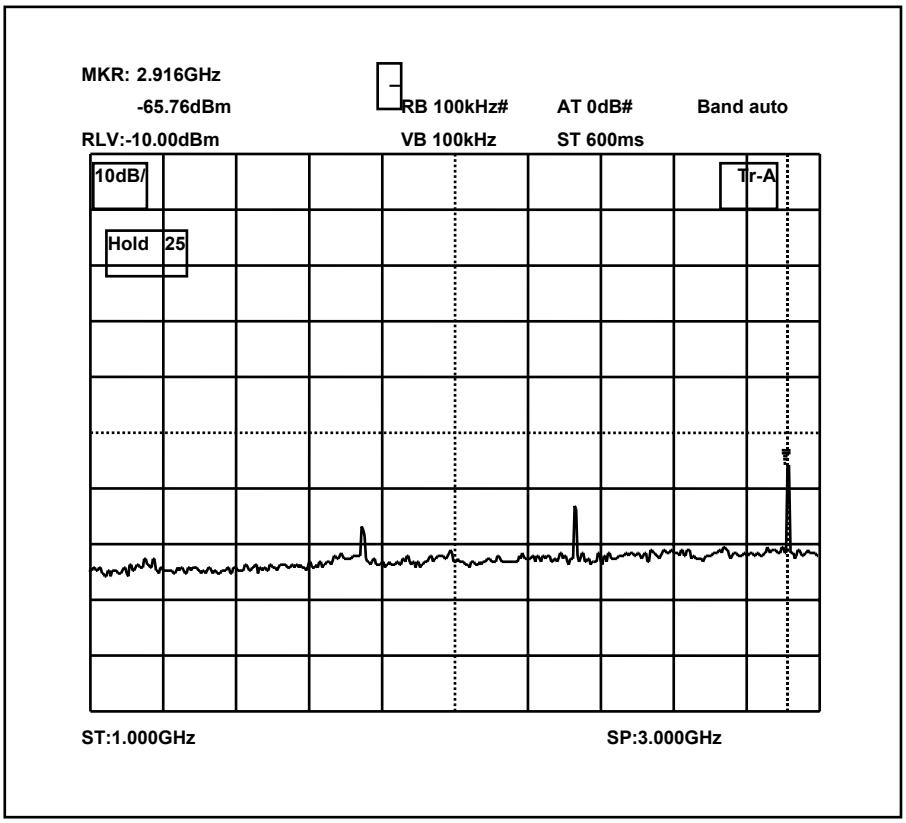


Antenna Port A

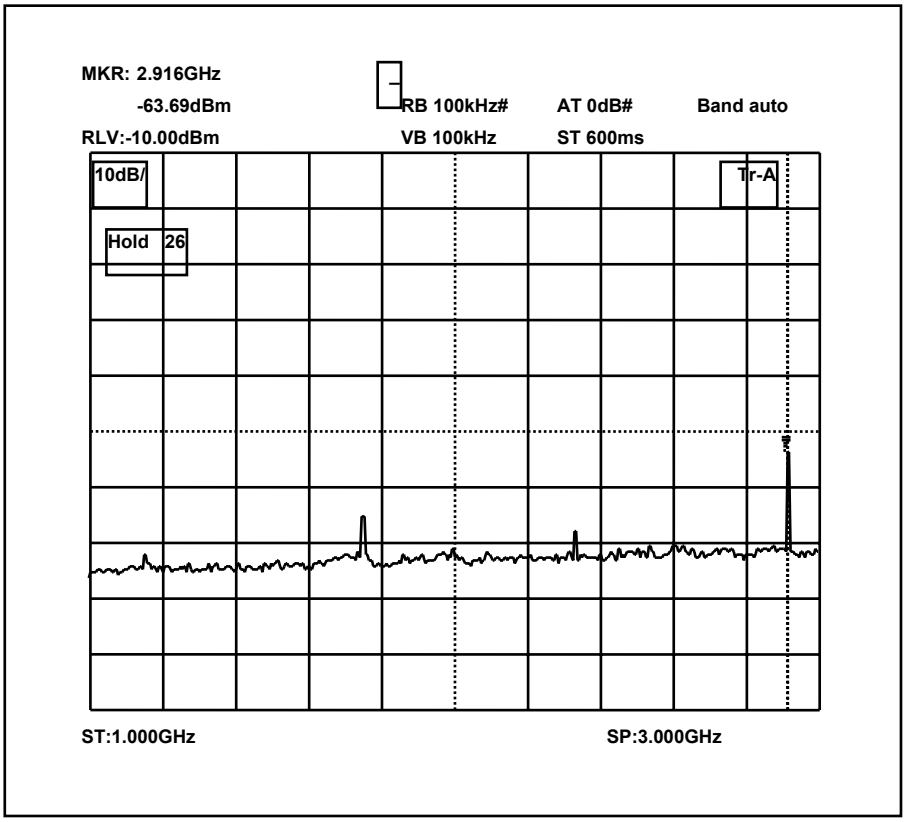


Antenna Port B

1GHz – 3GHz Channel = 648.1 MHz

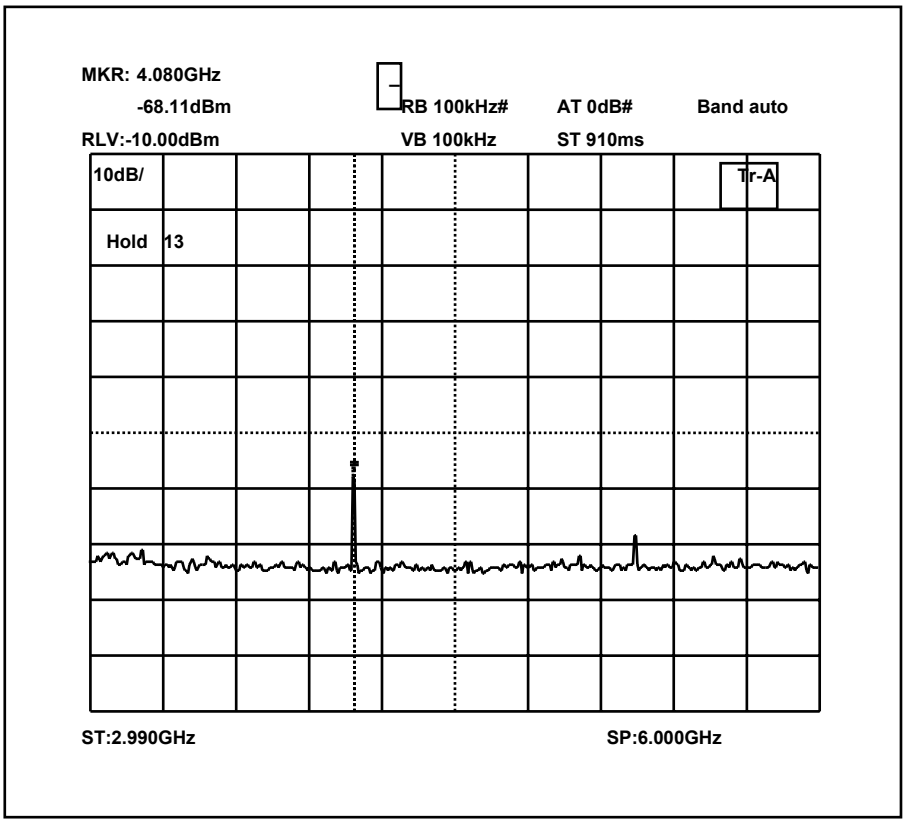


Antenna Port A

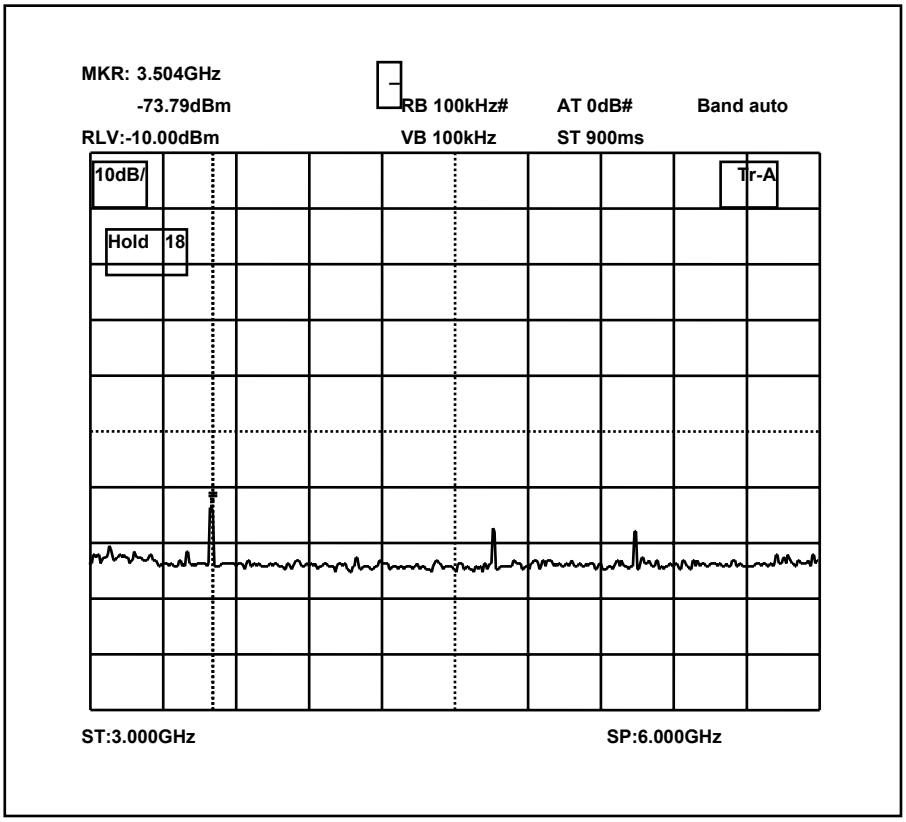


Antenna Port B

3GHz – 6GHz Channel = 648.1 MHz

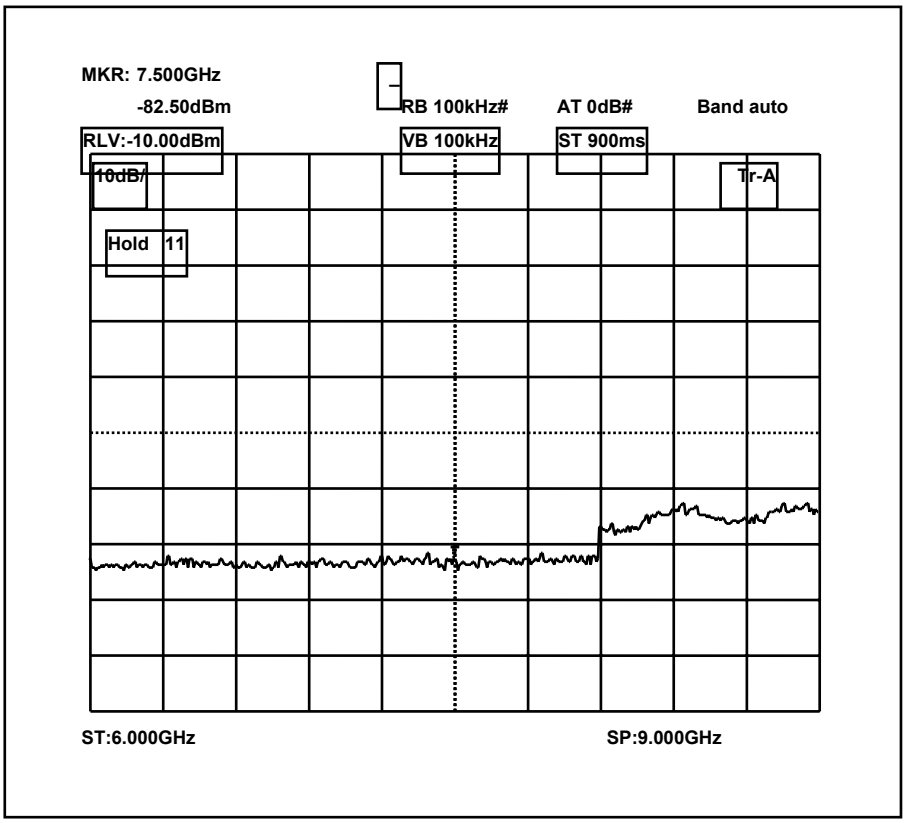


Antenna Port A

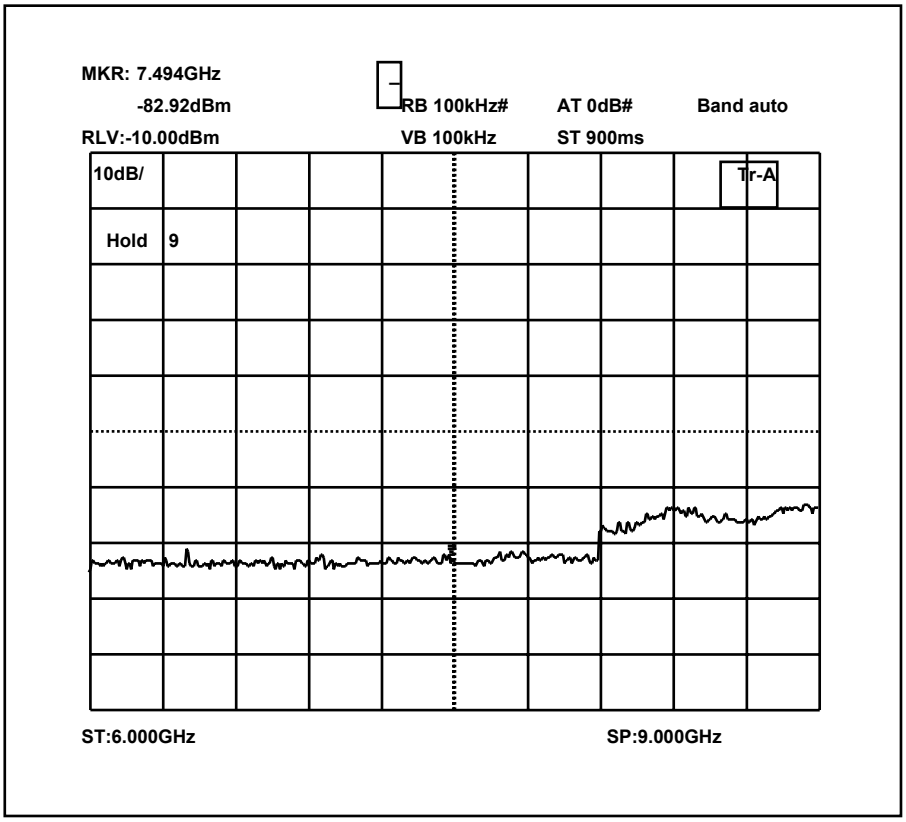


Antenna Port B

6GHz – 9GHz Channel = 648.1 MHz

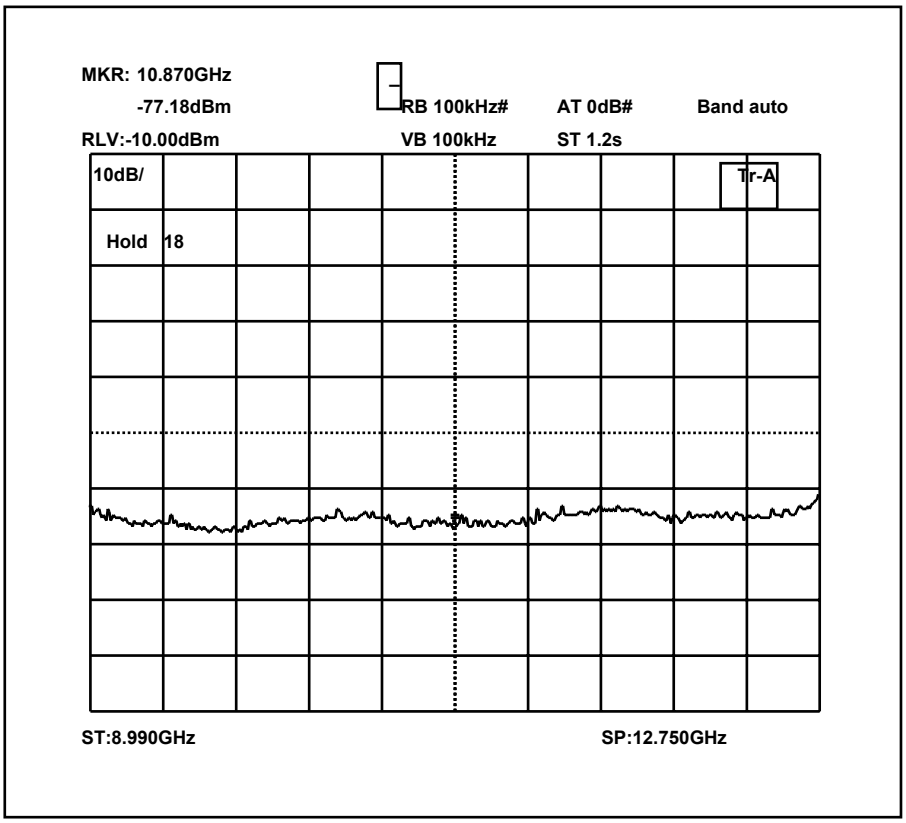


Antenna Port A

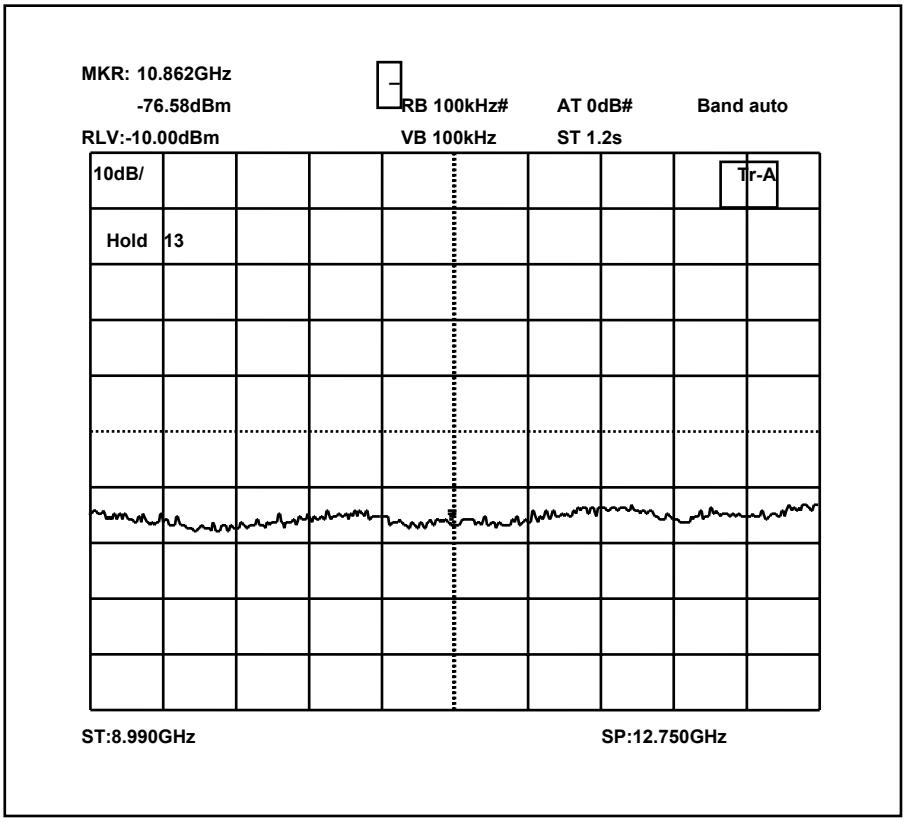


Antenna Port B

9GHz – 12.75GHz Channel = 648.1 MHz

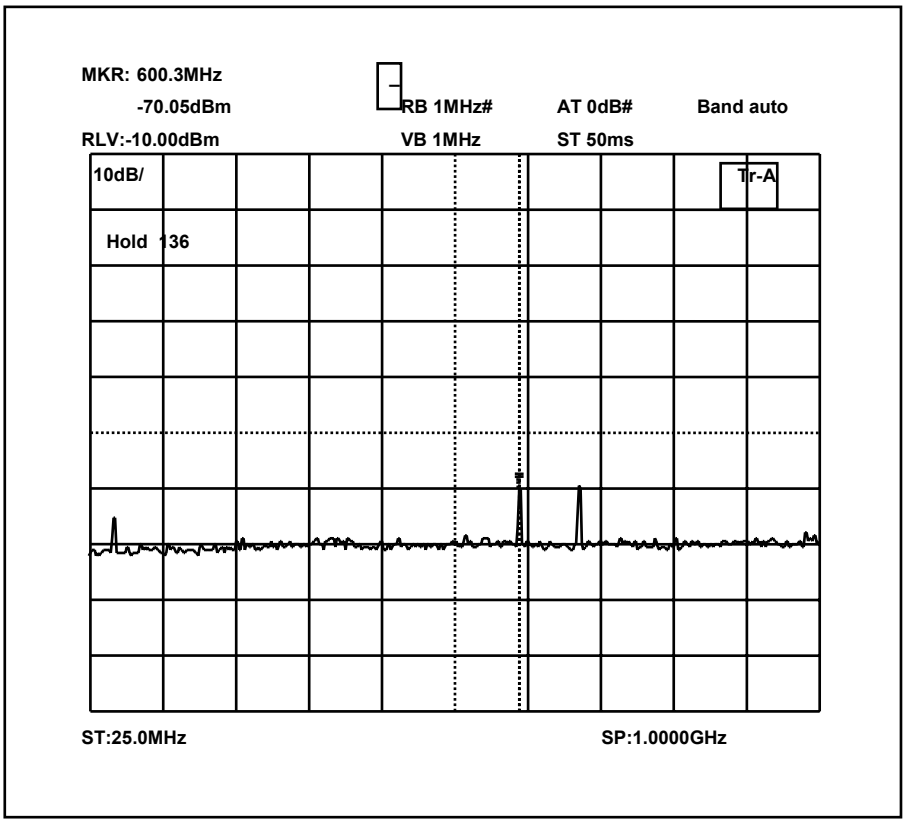


Antenna Port A

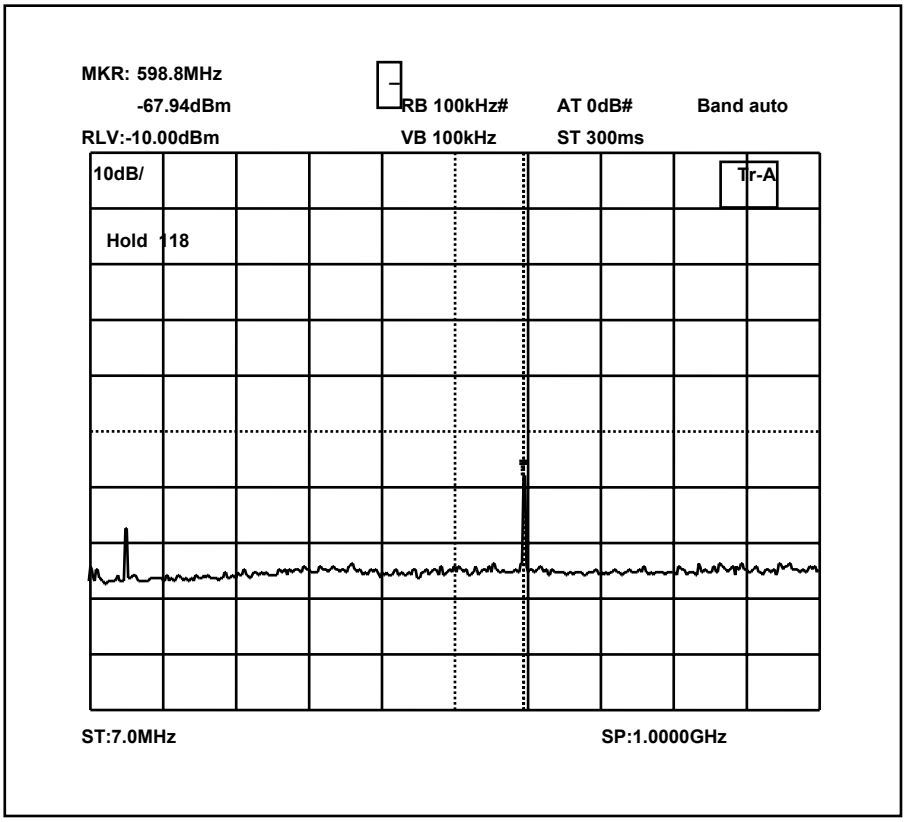


Antenna Port B

25MHz – 1GHz Channel = 662.0 MHz

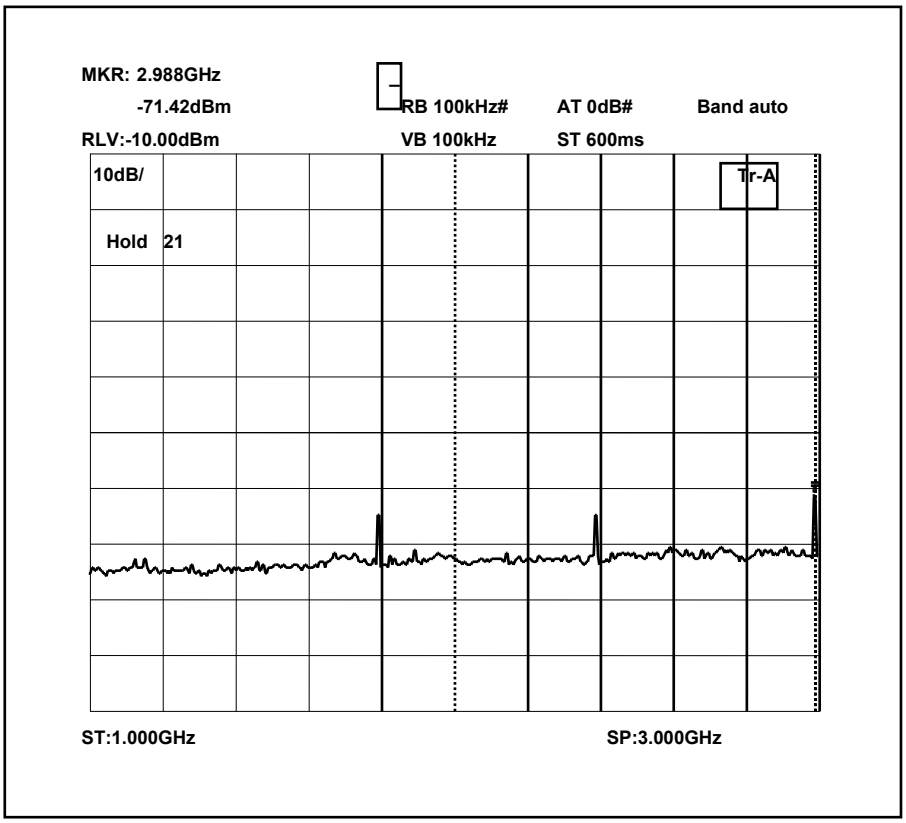


Antenna Port A

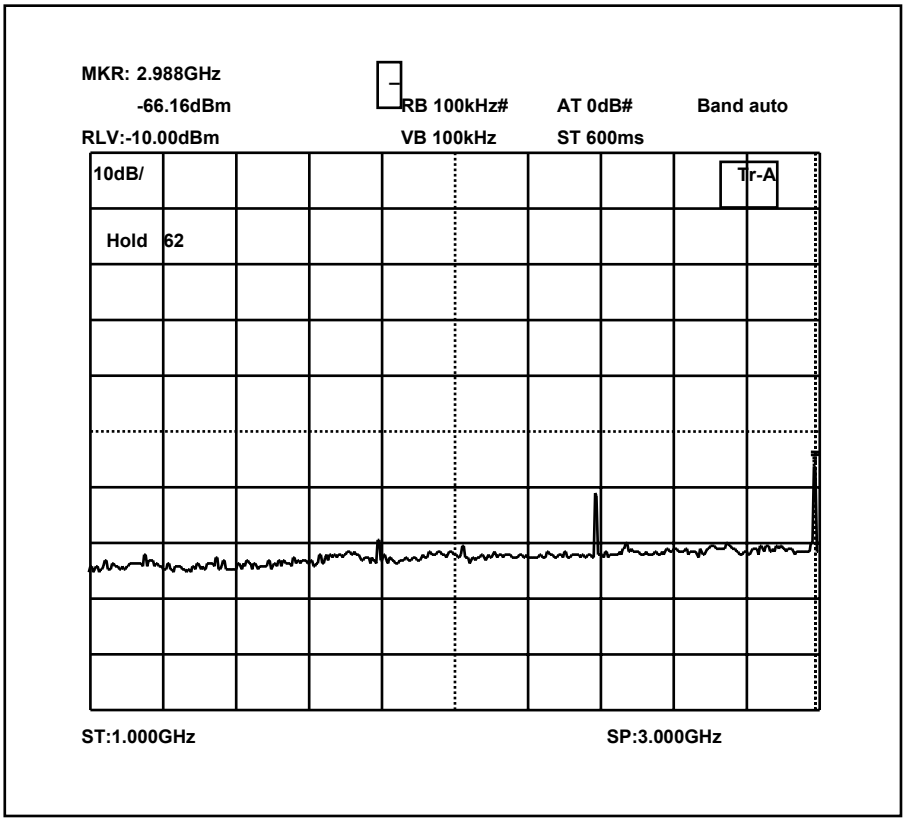


Antenna Port B

1GHz – 3GHz Channel = 662.0 MHz

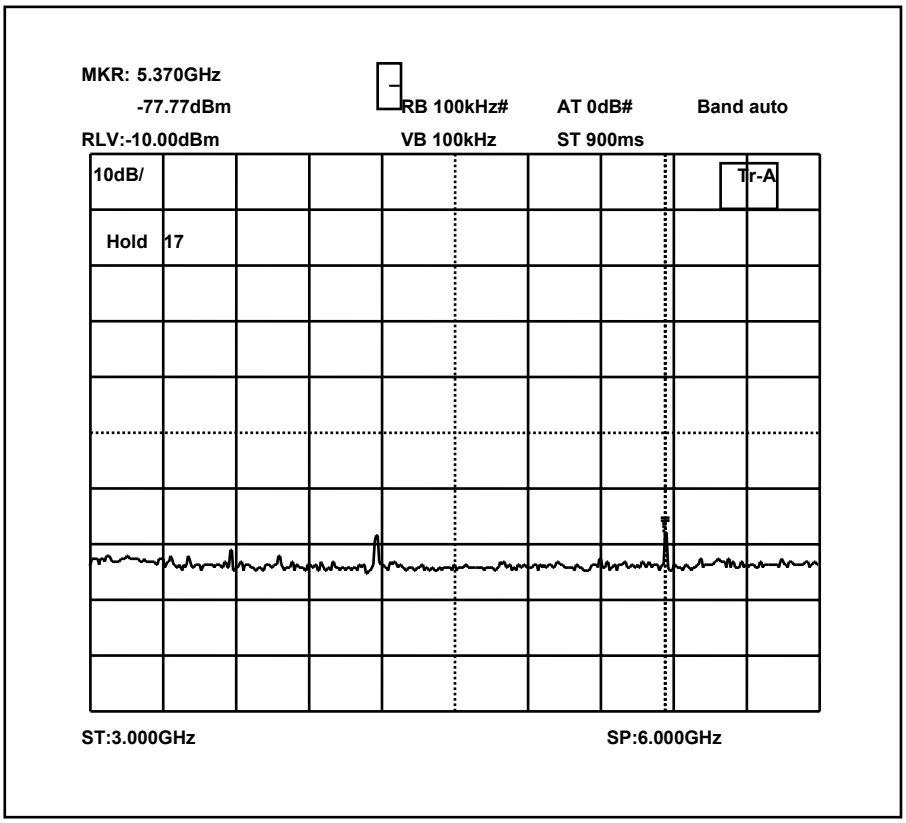


Antenna Port A

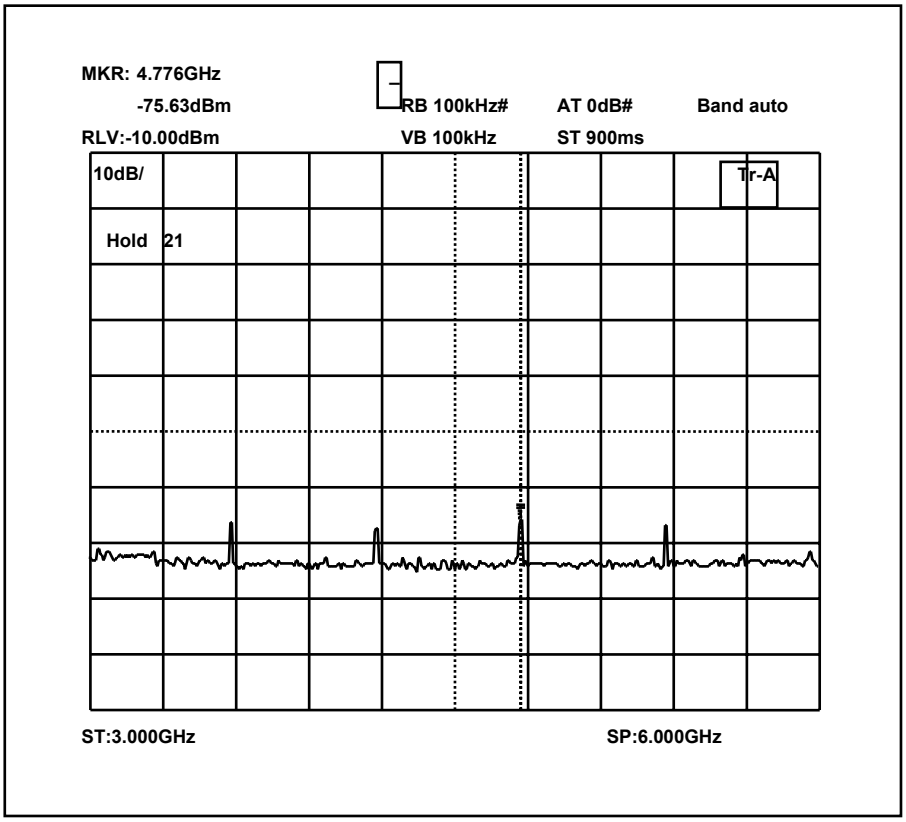


Antenna Port B

3GHz – 6GHz Channel = 662.0 MHz

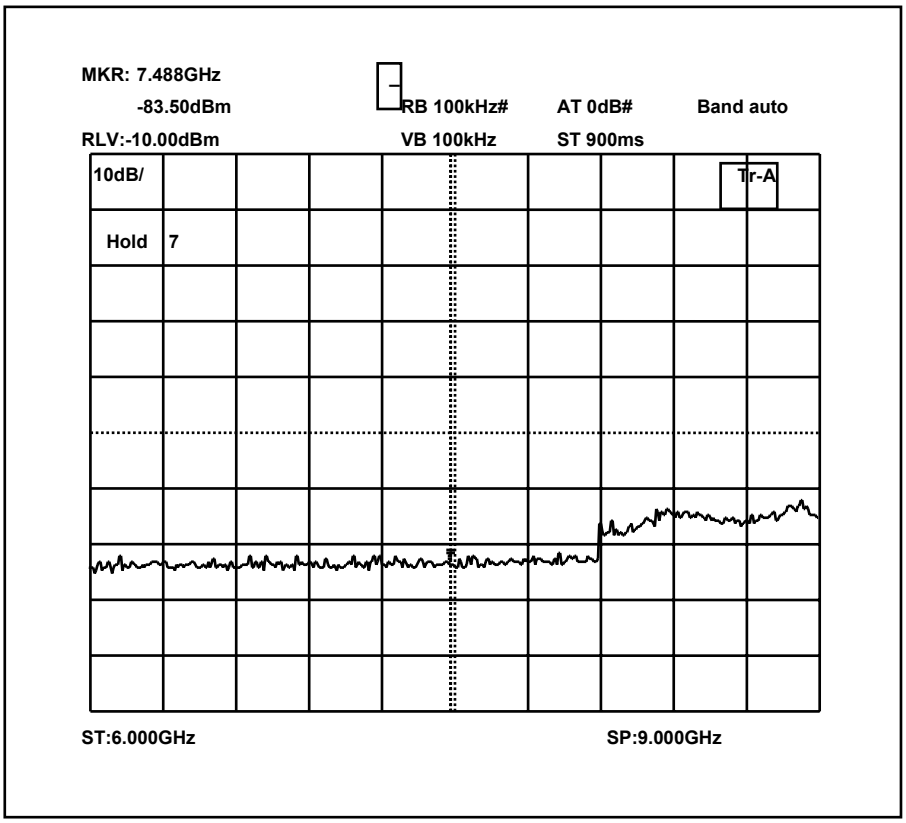


Antenna Port A

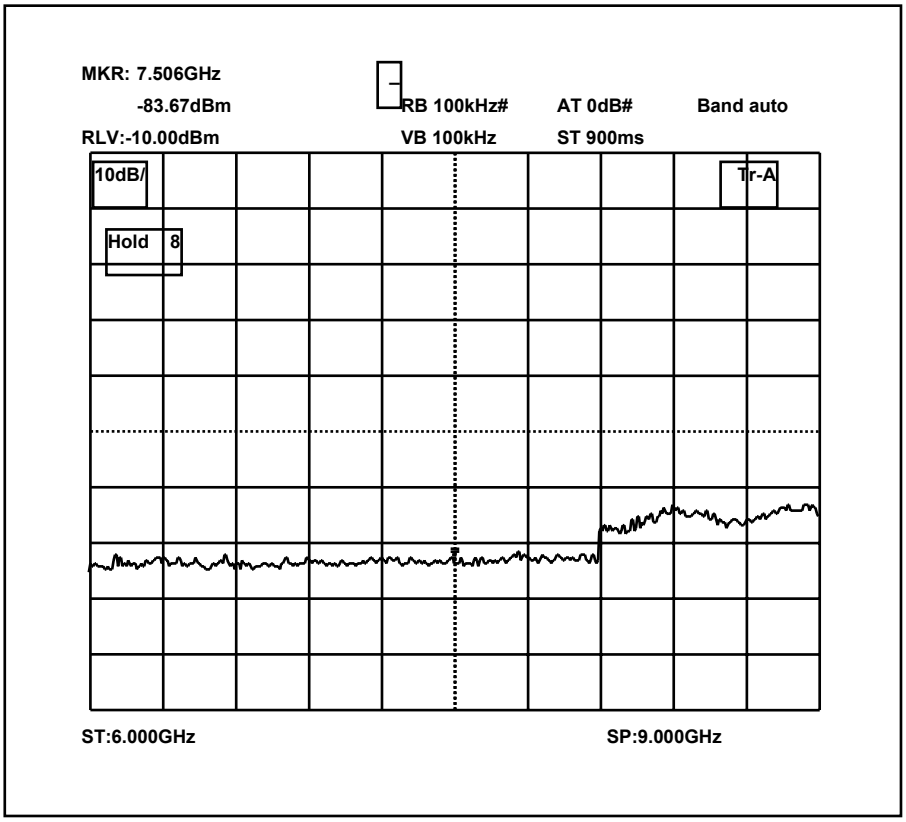


Antenna Port B

6GHz – 9GHz Channel = 662.0 MHz

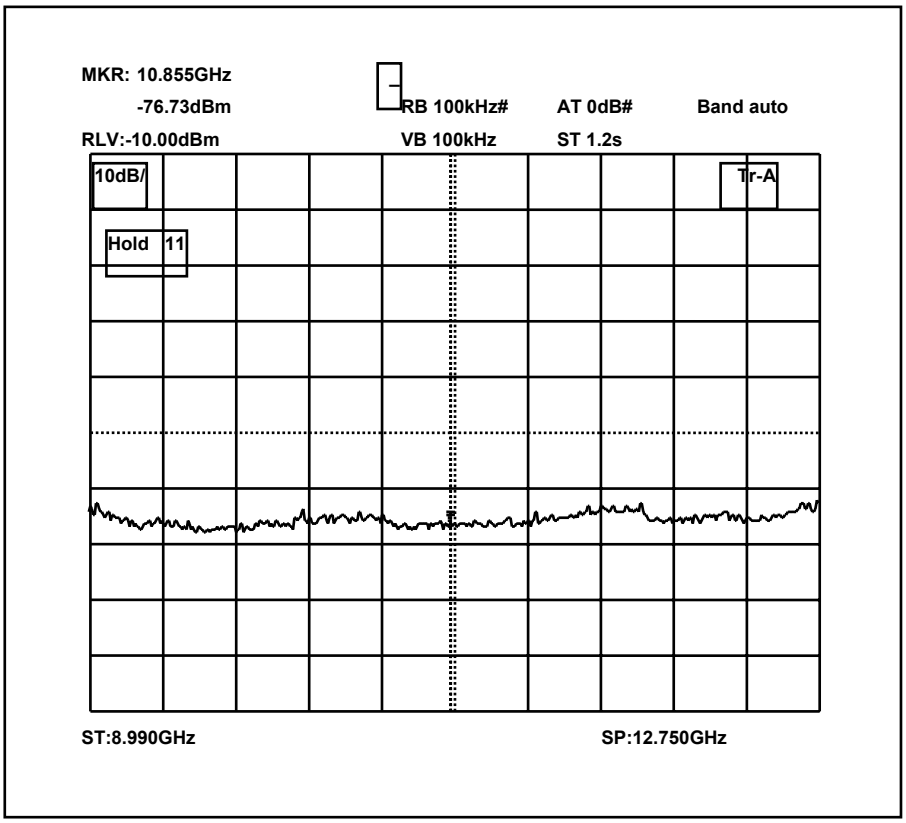


Antenna Port A

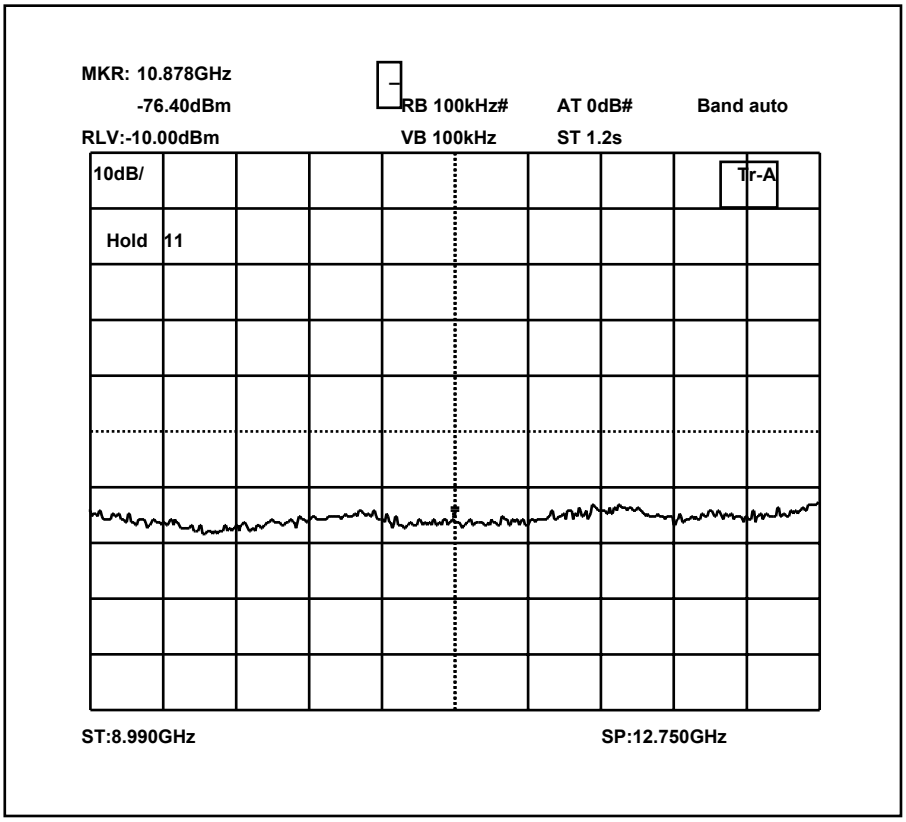


Antenna Port B

9GHz – 12.75GHz Channel = 662.0 MHz

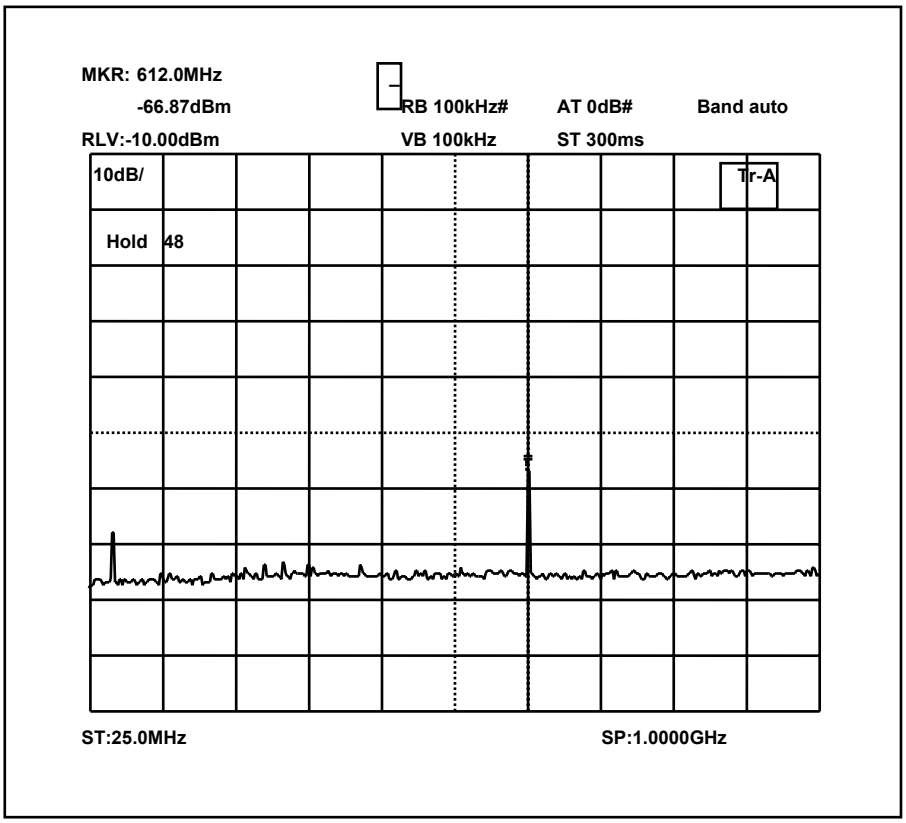


Antenna Port A

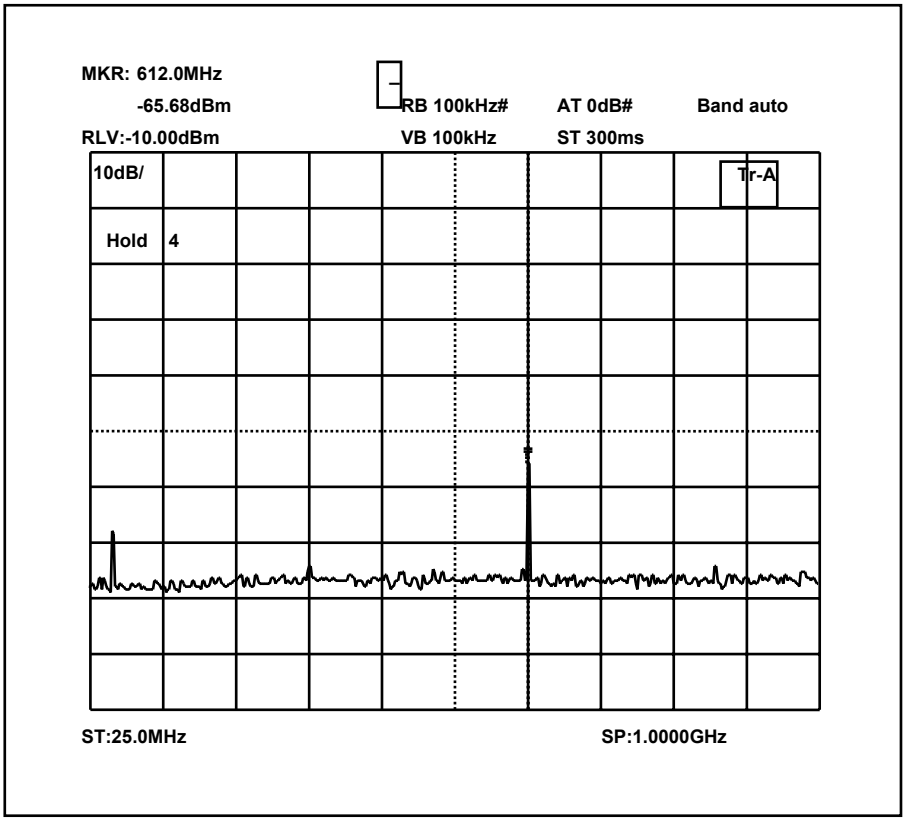


Antenna Port B

25MHz – 1GHz Channel = 675.9 MHz

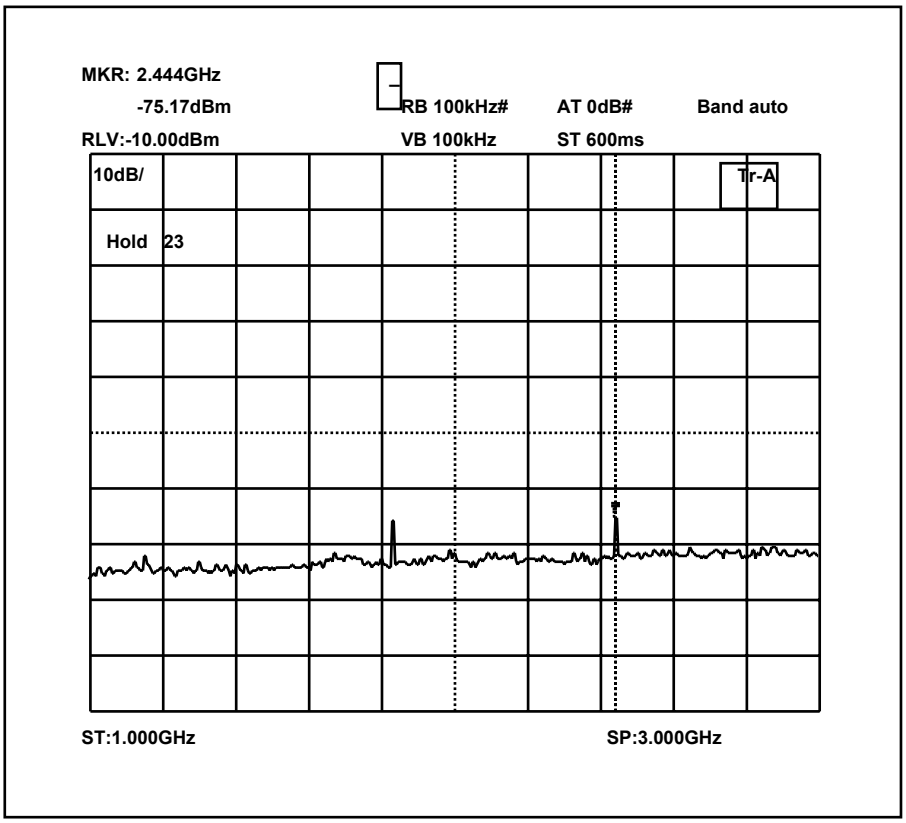


Antenna Port A

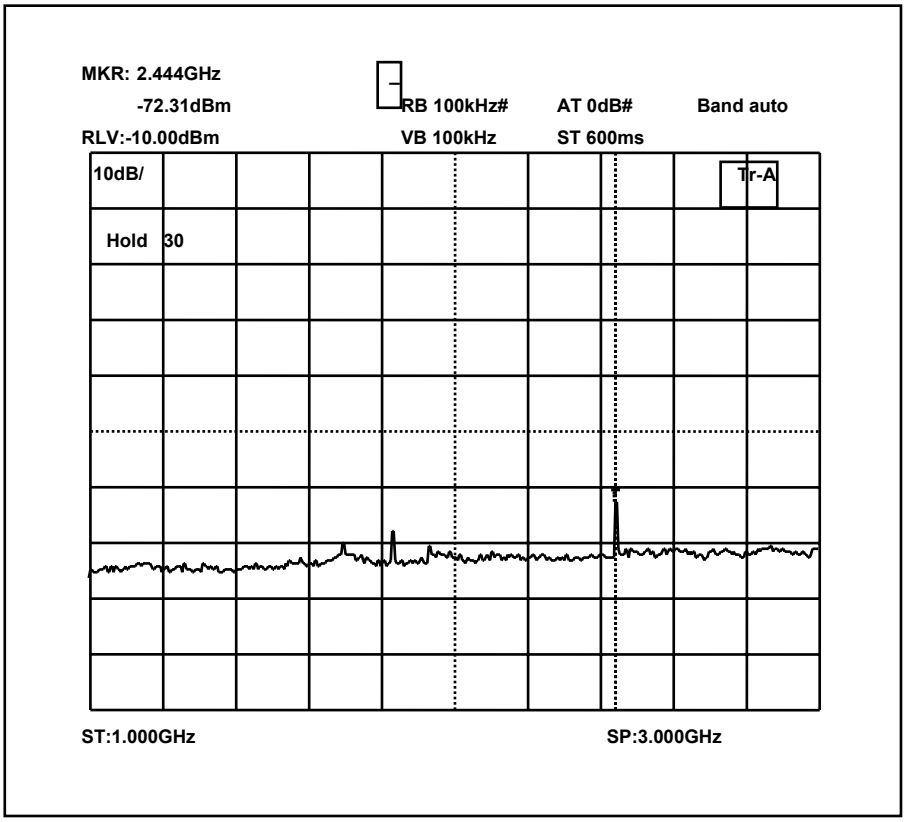


Antenna Port B

1GHz – 3GHz Channel = 675.9 MHz

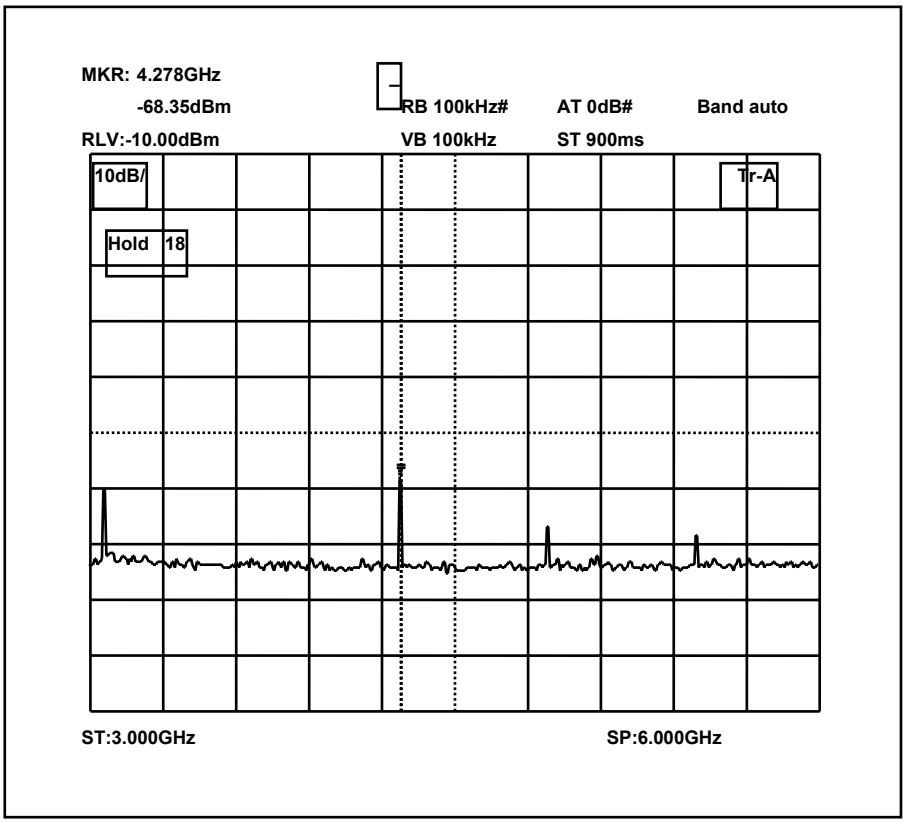


Antenna Port A

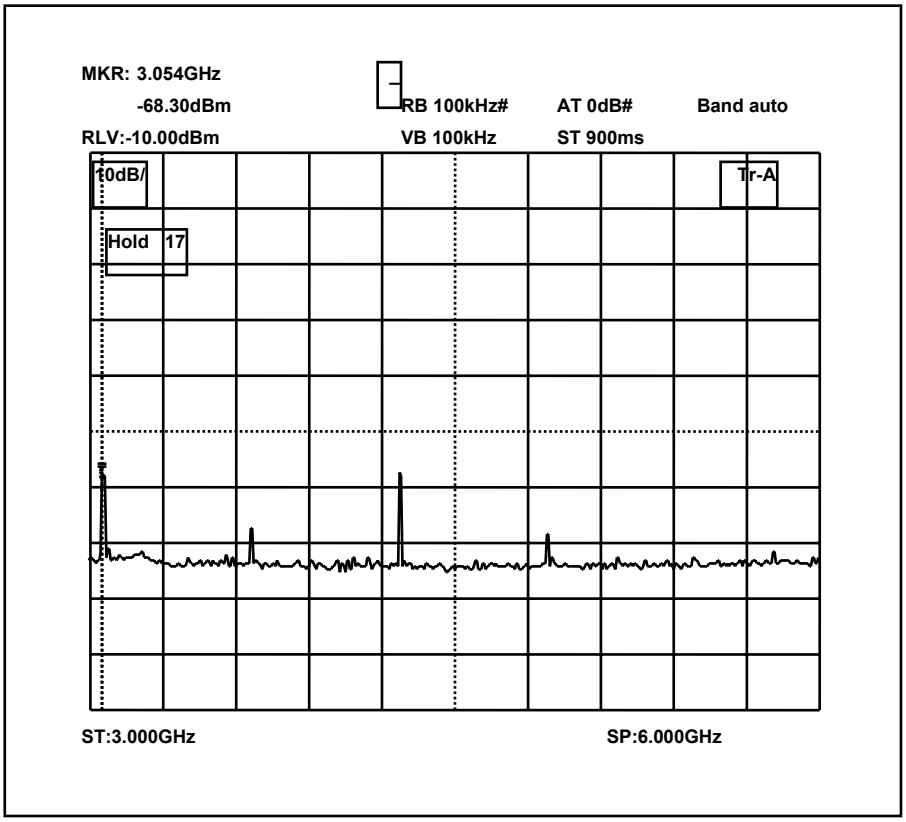


Antenna Port B

3GHz – 6GHz Channel = 675.9 MHz

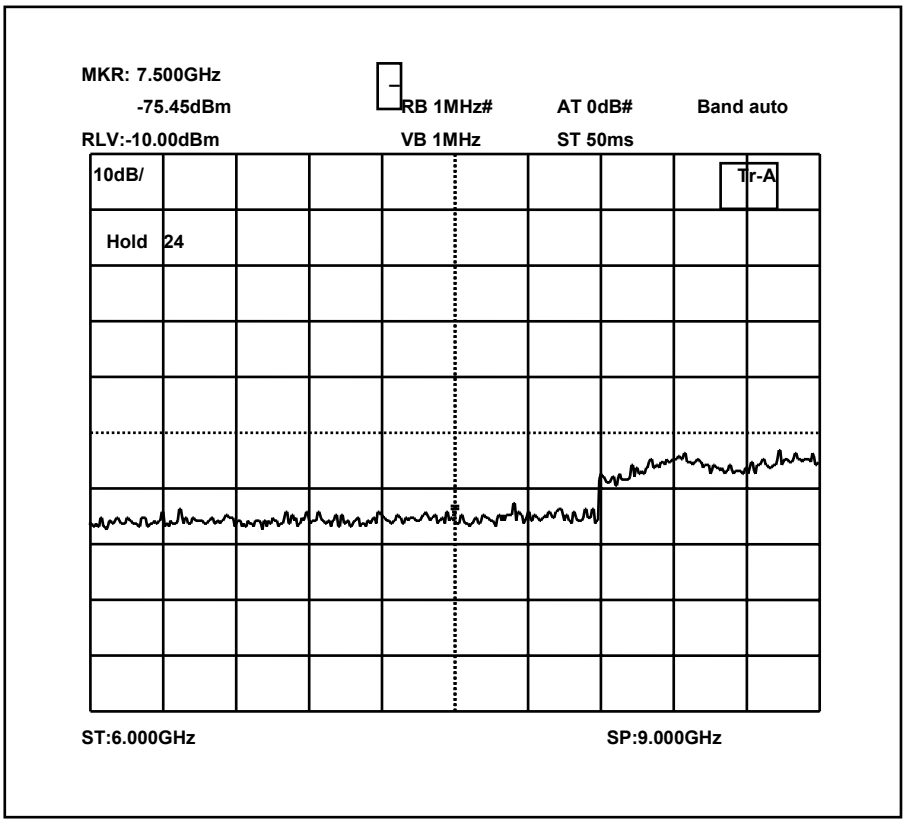


Antenna Port A

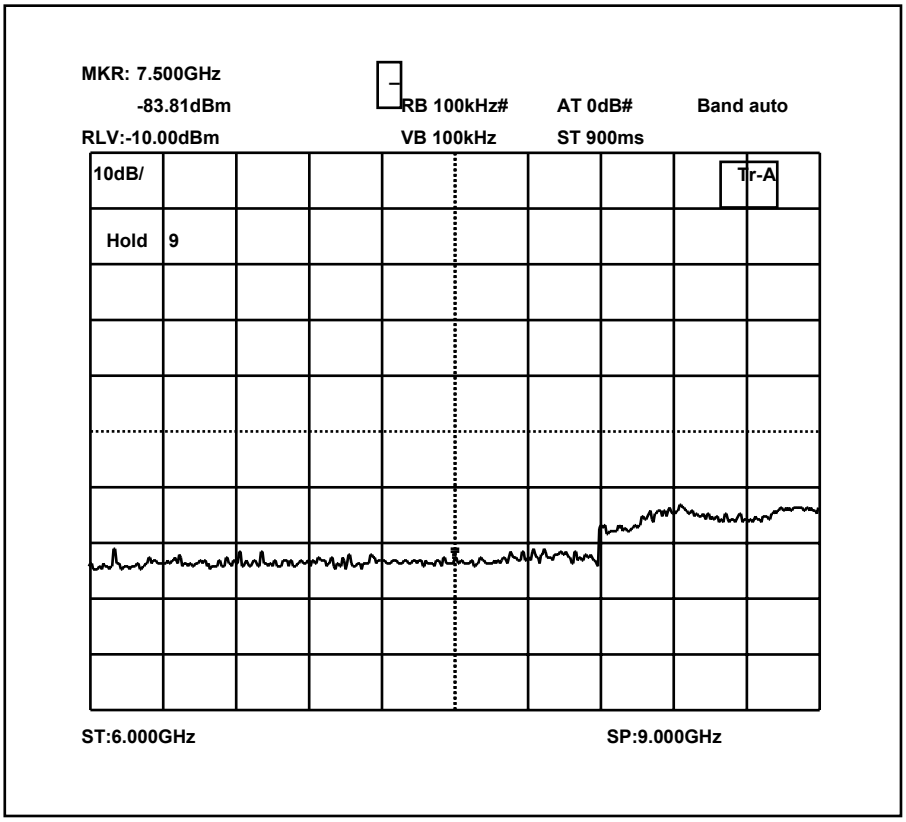


Antenna Port B

6GHz – 9GHz Channel = 675.9 MHz

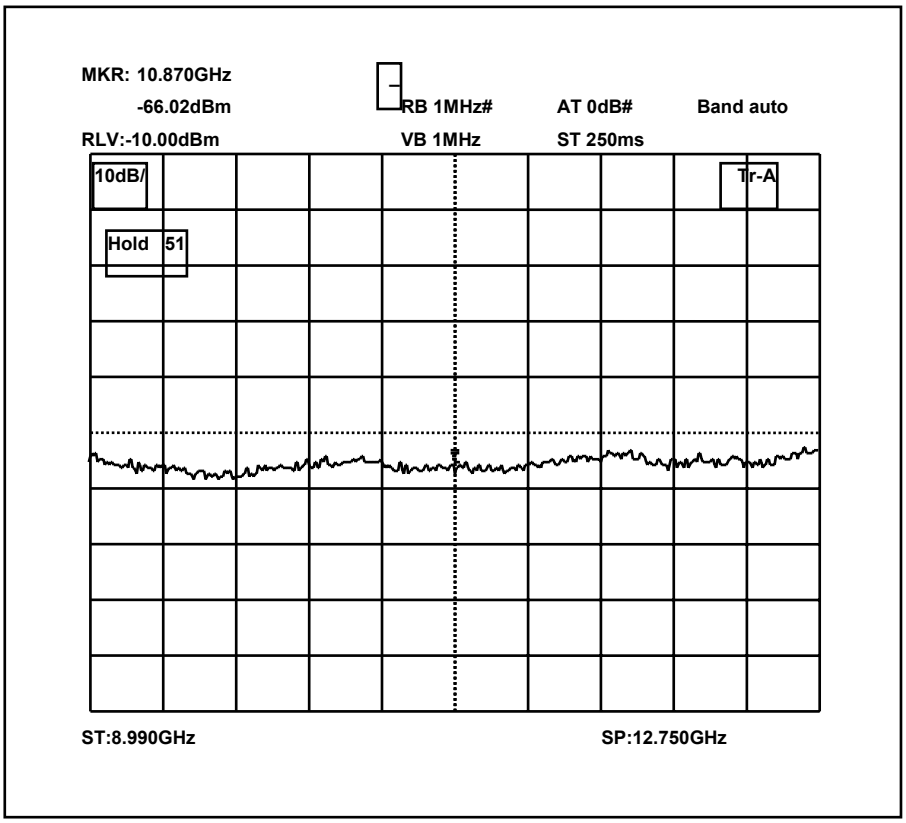


Antenna Port A

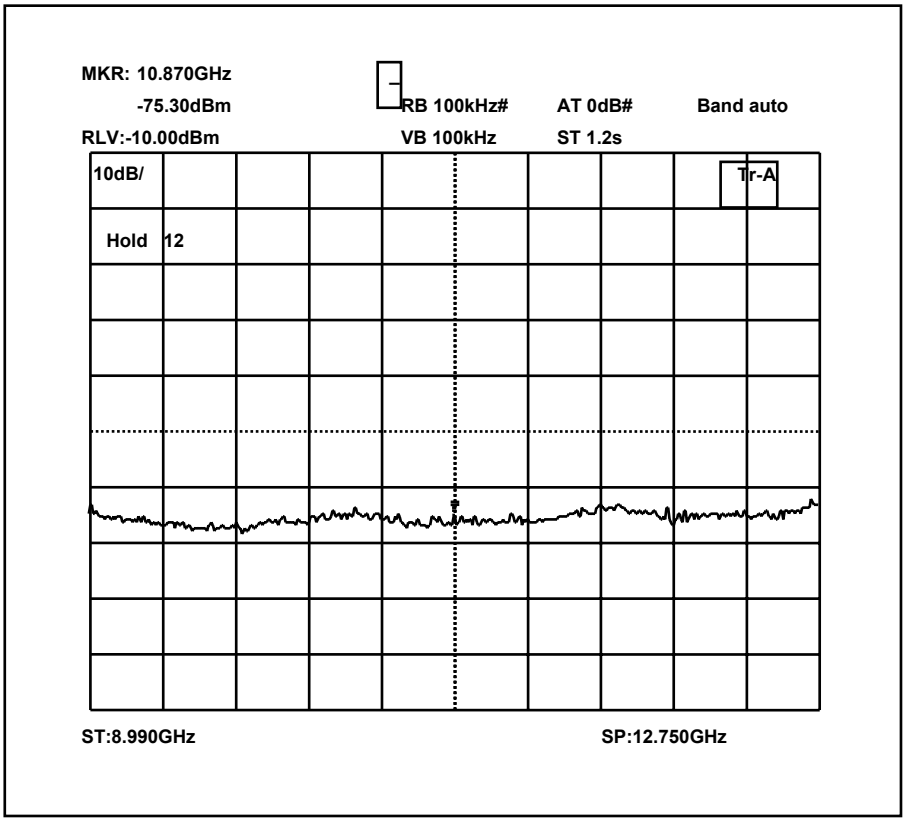


Antenna Port B

9GHz – 12.75GHz Channel = 675.9 MHz



Antenna Port A



Antenna Port B