



TEST REPORT NO: RU1161/6154  
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ISSUE NO: 1  
FCC ID: NEO 55-1516Series

**REPORT ON THE CERTIFICATION TESTING OF A  
AERIAL FACILITIES LIMITED  
55-151-601 CELL ENHANCER  
WITH RESPECT TO  
THE FCC RULES CFR 47, PART 24 Subpart E  
BROADBAND PERSONAL COMMUNICATION SERVICE REPEATER.**

TEST DATE: 22<sup>nd</sup> February 2005 – 7<sup>th</sup> March 2005

TESTED BY: ..... D WINSTANLEY  
APPROVED BY: ..... P GREEN  
PRODUCT MANAGER  
EMC  
DATE: 11/05/2005.....

Distribution:

- Copy Nos:
1. Aerial Facilities Limited
  2. TCB: TRL Compliance Services Limited
  3. TRL EMC

THIS DOCUMENT MAY BE REPRODUCED ONLY IN ITS ENTIRETY AND WITHOUT CHANGE



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 <b>Notes:</b> 			
1.	Component failure during test	YES	[ ]
		NO	[X]
2.	If Yes, details of failure:		
3.	The facilities used for the testing of the product contain in this report are FCC Listed.		



## CERTIFICATE OF CONFORMITY & COMPLIANCE

FCC IDENTITY:	NEO 55-1516Series
PURPOSE OF TEST:	Certification
TEST SPECIFICATION:	FCC RULES CFR 47, Part 24 Subpart E
TEST RESULT:	Compliant to Specification
EQUIPMENT UNDER TEST:	55-151-601 Cell Enhancer
EQUIPMENT TYPE:	Broadband Personal Communication Service Repeater
MAXIMUM GAIN	83.39dB Uplink 93.51dB Downlink
MAXIMUM INPUT	-61dBm Uplink -52dBm Downlink
MAXIMUM OUTPUT	+33.39dBm Uplink +41.51dBm Downlink
ANTENNA TYPE:	Not applicable
CHANNEL SPACING:	Not applicable, Wideband
NUMBER OF CHANNELS:	Not applicable., Wideband
FREQUENCY GENERATION:	N/A
MODULATION TYPE:	F3E
POWER SOURCE(s):	+12 Vdc or 110Vac
TEST DATE(s):	22 <sup>nd</sup> February 2005 – 7 <sup>th</sup> March 2005
ORDER No(s):	29156
APPLICANT:	Aerial Facilities Limited
ADDRESS:	Aerial House Asheridge Road Chesham Buckinghamshire HP5 2QD United Kingdom
TESTED BY:	----- D WINSTANLEY
APPROVED BY:	----- P GREEN PRODUCT MANAGER EMC



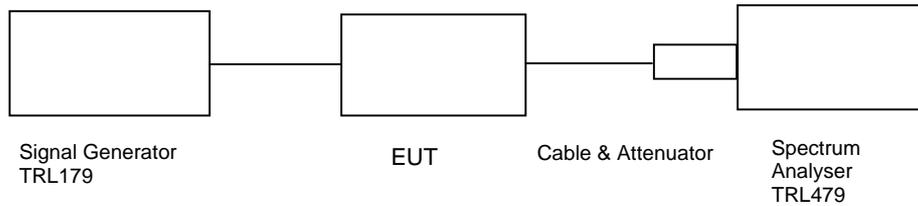


## COMPLIANCE TESTS

### AMPLIFIER GAIN – CONDUCTED – PART 2.1046 – UPLINK

Ambient temperature = 19°C  
 Relative humidity = 40%  
 Supply voltage = +12Vdc & 110Vac  
 Channel Frequency = See test results

Radio Laboratory



Frequency MHz	Operating Voltage	Signal Generator input level dBm	Cable & Attenuator Loss dB	Level at Spectrum Analyser dBm	Gain dB	Gain after 10dB input level increase dBm
1850.0	+12Vdc	-60.0	49.11	-26.74	82.23	72.38
1880.0	+12Vdc	-61.0	49.11	-26.88	83.23	73.22
1910.0	+12Vdc	-59.0	49.11	-28.17	79.94	69.94
1850.0	+110Vac	-60.0	49.11	-26.53	82.58	72.91
1880.0	+110Vac	-61.0	49.11	-26.72	83.39	72.61
1910.0	+110Vac	-59.0	49.11	-28.00	80.11	70.01

#### Notes:

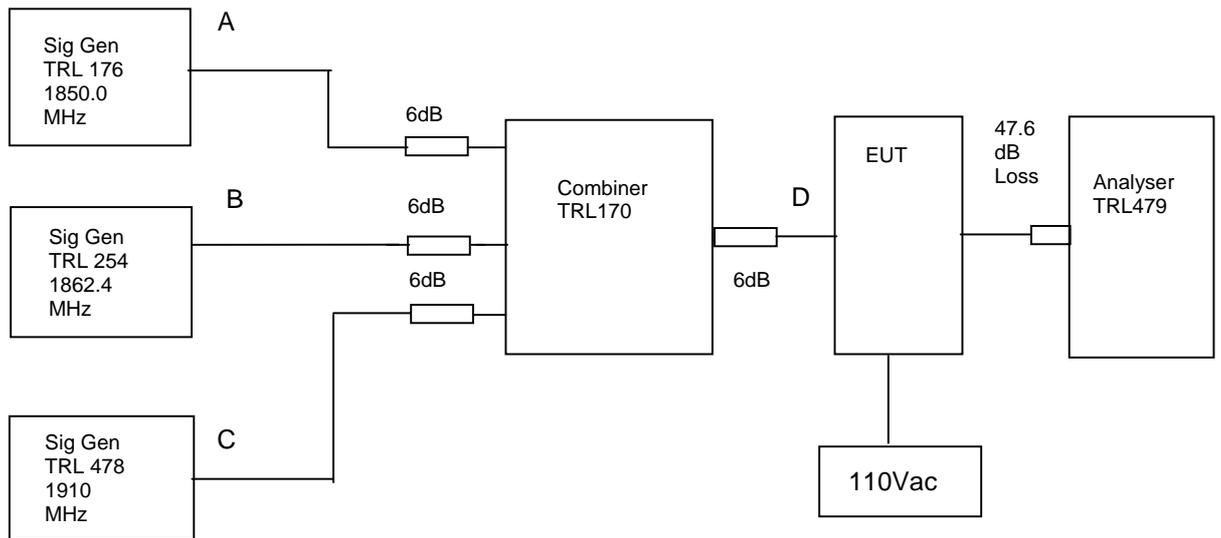
- The signal generator input was increased by 10dB and the level of the output signal remeasured

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
ATTENUATOR	BIRD	8304-300-N	N/A	220	<b>X</b>
ATTENUATOR	BIRD	8304-100-N	N/A	222	<b>X</b>
CABLE	ROSENBERGER	MICRO COAX	N/A	280	<b>X</b>
SIGNAL GENERATOR	MARCONI	2042	119388/080	179	<b>X</b>

**AMPLIFIER INTERMODULATION SPURIOUS EMISSIONS – CONDUCTED – PART 2.1053– UPLINK**

Ambient temperature = 28°C  
 Relative humidity = 39%  
 Supply voltage = 110Vac

Radio Laboratory

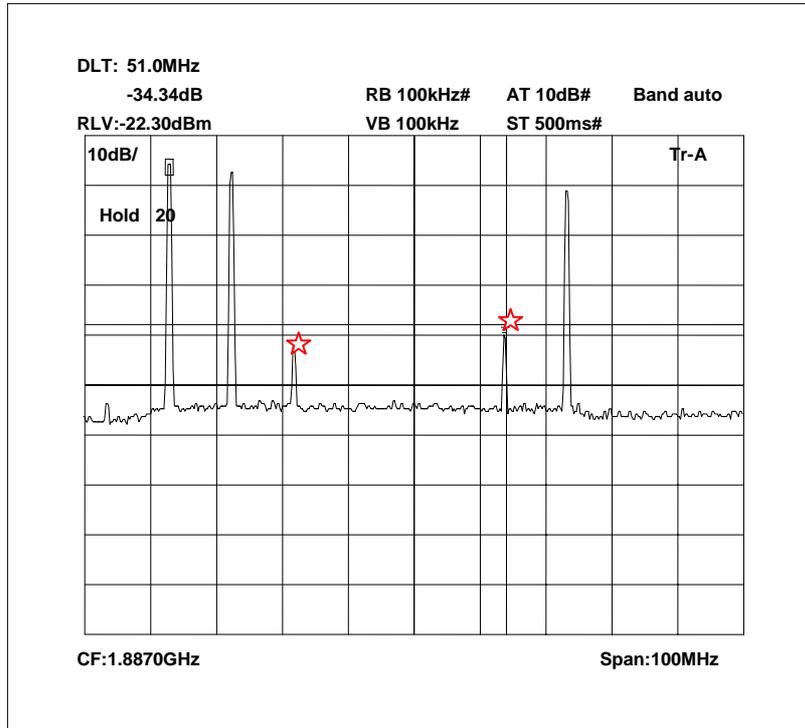


The Intermodulation and spurious products were measured with the amplifier operating at maximum gain. A three tone test was conducted using the equipment as above. The input power level was adjusted so the level at point D was the maximum input of -59dBm. The cable and attenuator loss between the EUT and the spectrum analyser was 47.6dB.

Sweep data is shown on the next page:

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
SIGNAL GENERATOR	RHODE & SCHWARZ	SMR 20	834671/003	478	<b>X</b>
SIGNAL GENERATOR	MARCONI	2042	119562/021	254	<b>X</b>
SIGNAL GENERATOR	MARCONI	2042	119388/080	176	<b>X</b>
COMBINER	ELCOM	RC-4-50	N/A	170	<b>X</b>

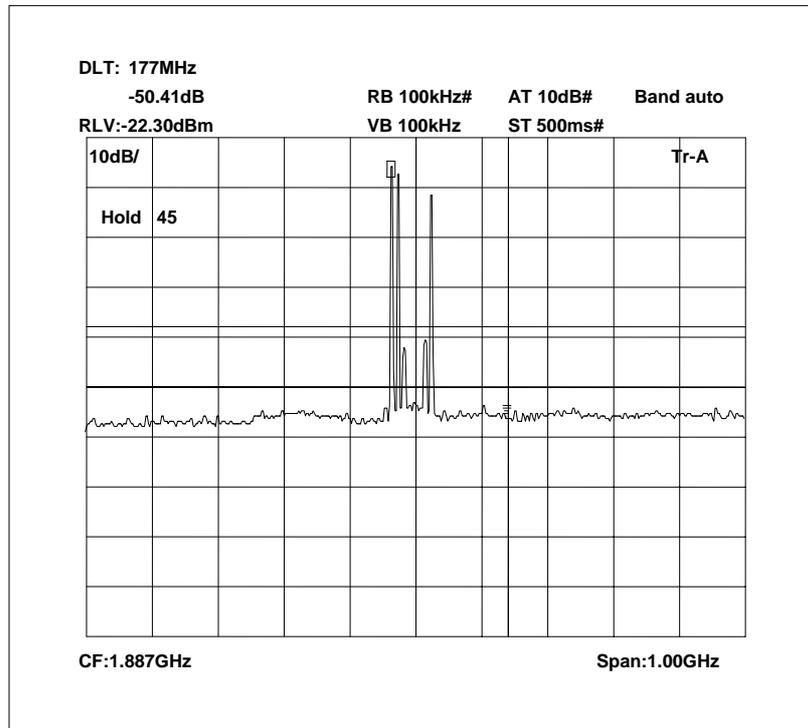
### Intermodulation Inband



The above plot shows that all products (designated by ☆) are attenuated below the spurious limit.



### Intermodulation Wideband

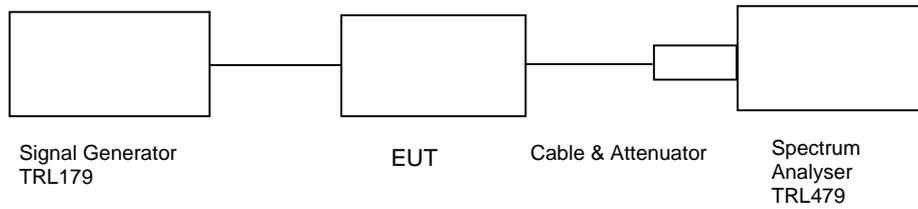


The above plot shows that there are no products outside the bands.

## TRANSMITTER TESTS

### AMPLIFIER MODULATED CHANNEL TEST – CONDUCTED – Part 2.1049– UPLINK

Ambient temperature = 22°C Radio Laboratory  
 Relative humidity = 49%  
 Supply voltage = 100Vac  
 Channel Frequency = See test results



This test was performed to show that the amplifier does not alter the input signal in any way. The input signal was set to the maximum input level (-59dBm) and modulated with a 2500Hz tone and a 5000Hz tone. The plots show the signal measured at the signal generator and the signal measured at the output of the EUT.

Note: The cables and attenuators had the following losses.

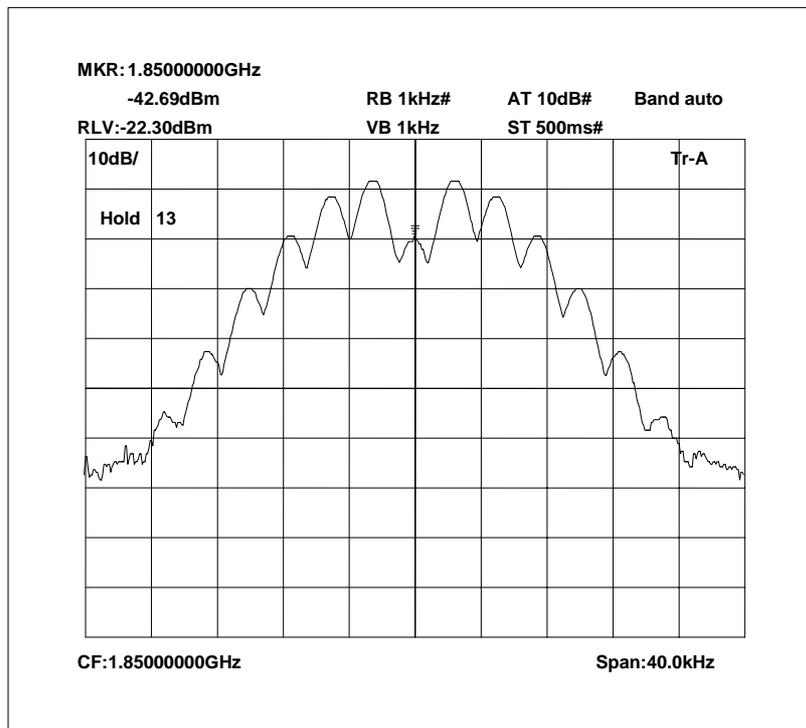
1. Cable and attenuator losses 47.6dB
2. Cable between signal generator and EUT 1.51dB

Due to the complex nature of PCS transmissions a FM modulated carrier was used to demonstrate that the cell enhancer had no detrimental effect on the modulated input signal when compared to the modulate output signal.

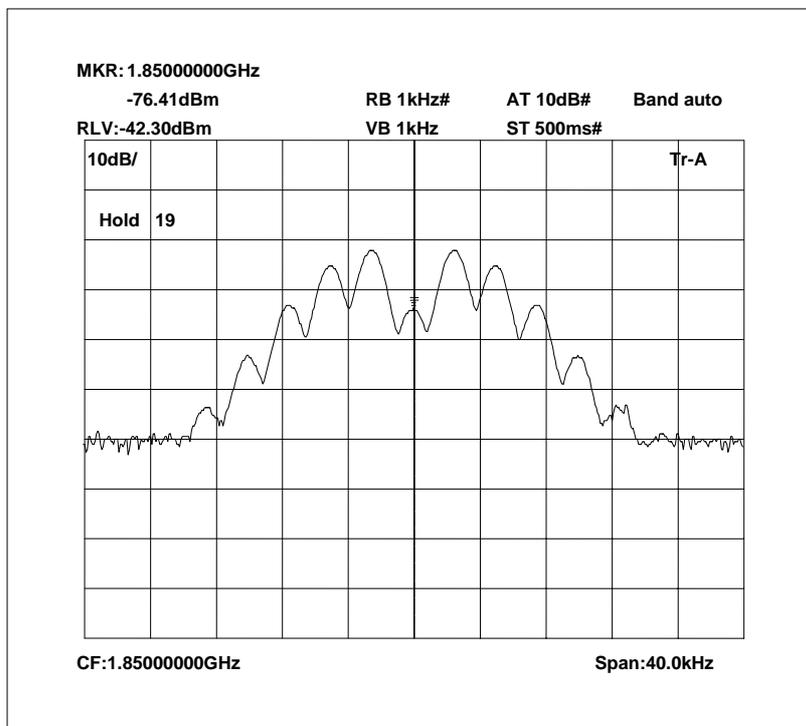
The test equipment used for the Transmitter Modulated Channel test:

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
ATTENUATOR	BIRD	8304-300-N	N/A	220	<b>X</b>
ATTENUATOR	BIRD	8304-100-N	N/A	222	<b>X</b>
CABLE	ROSENBERGER	MICRO COAX	N/A	280	<b>X</b>
SIGNAL GENERATOR	MARCONI	2042	119388/080	179	<b>X</b>

1850.0MHz Signal Generator. FM deviation set to 5 kHz

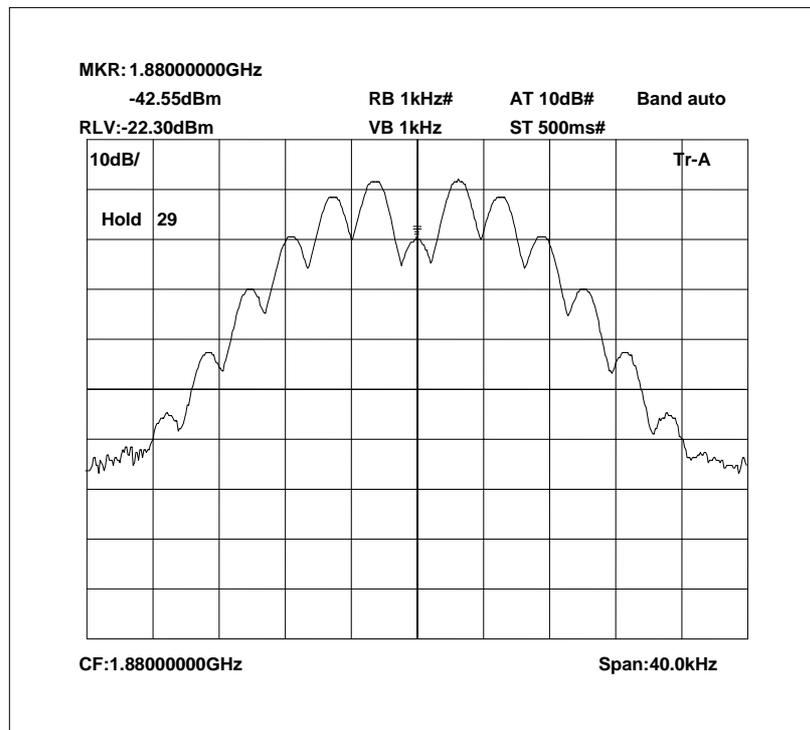


1850.0MHz Signal Generator and EUT. FM deviation set to 5kHz

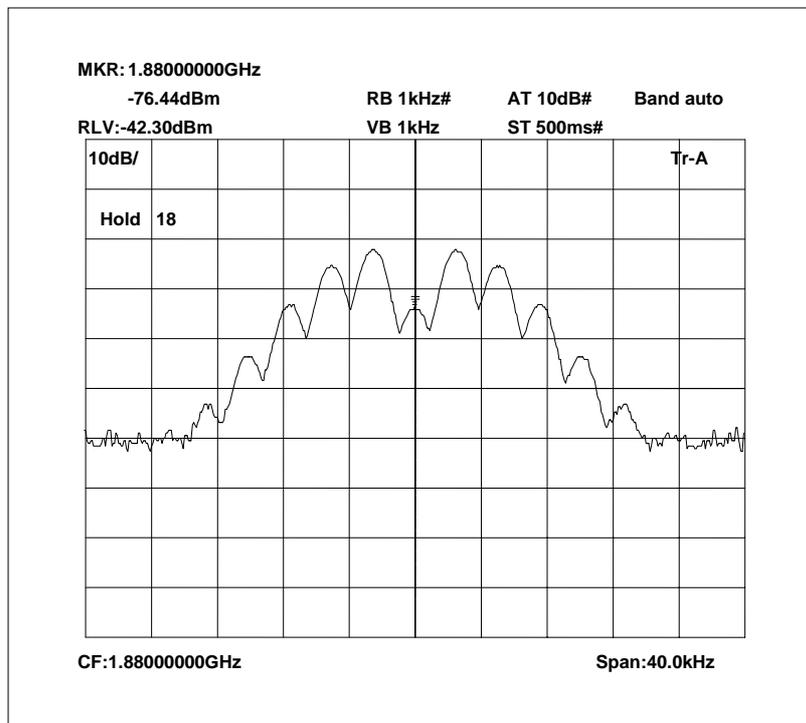


The above plots depicting the output waveshape show no measurable distortion visible. When compared to the input signal.

1880.0 MHz Signal Generator. FM deviation set to 5kHz

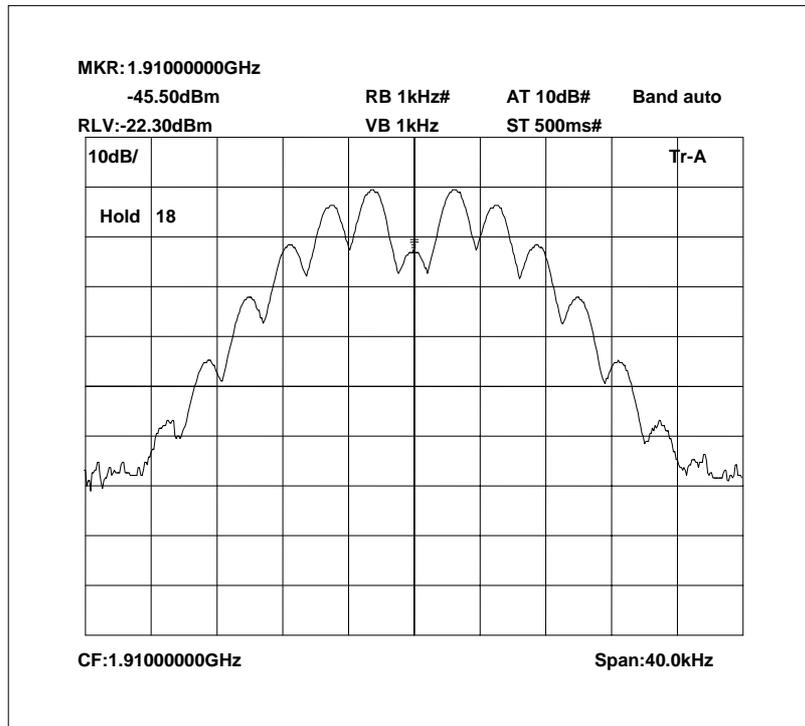


1880.0MHz Signal Generator and EUT. FM deviation set to 5kHz

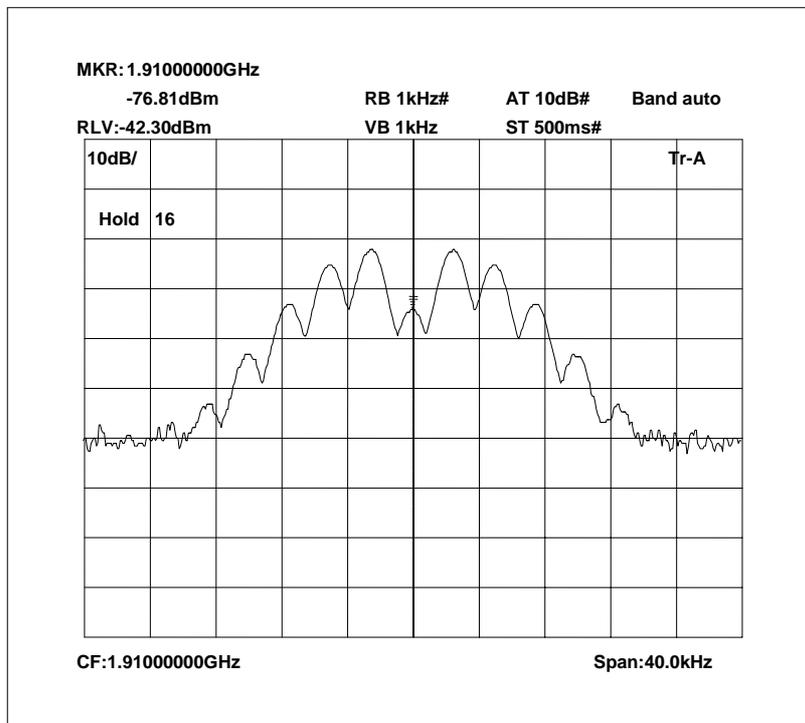


The above plots depicting the output waveshape show no measurable distortion visible. When compared to the input signal.

1910.0MHz Signal Generator. FM deviation set to 5kHz



1910.0MHz Signal Generator and EUT. FM deviation set to 5kHz



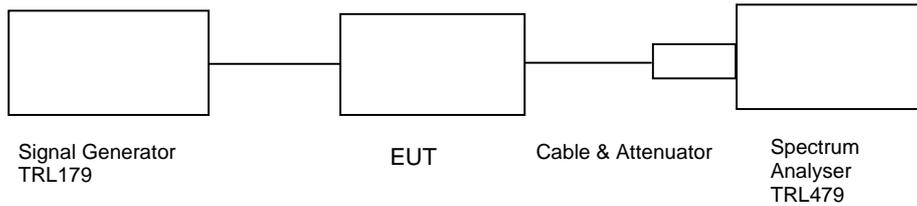
The above plots depicting the output waveshape show no measurable distortion visible. When compared to the input signal.

**TRANSMITTER TESTS**

**AMPLIFIER SPURIOUS EMISSIONS – CONDUCTED – Part 2.1053 – UPLINK**

Ambient temperature = 24°C  
 Relative humidity = 36%  
 Supply voltage = +12Vdc & 110Vac

Radio Laboratory Test Signal = F3E



The test was set up as per the diagram. The level at the input was adjusted to compensate for the loss of the interconnecting cable. The unit was tested operating at maximum power and on three test frequencies.

The Spurious limit was calculated as follows:

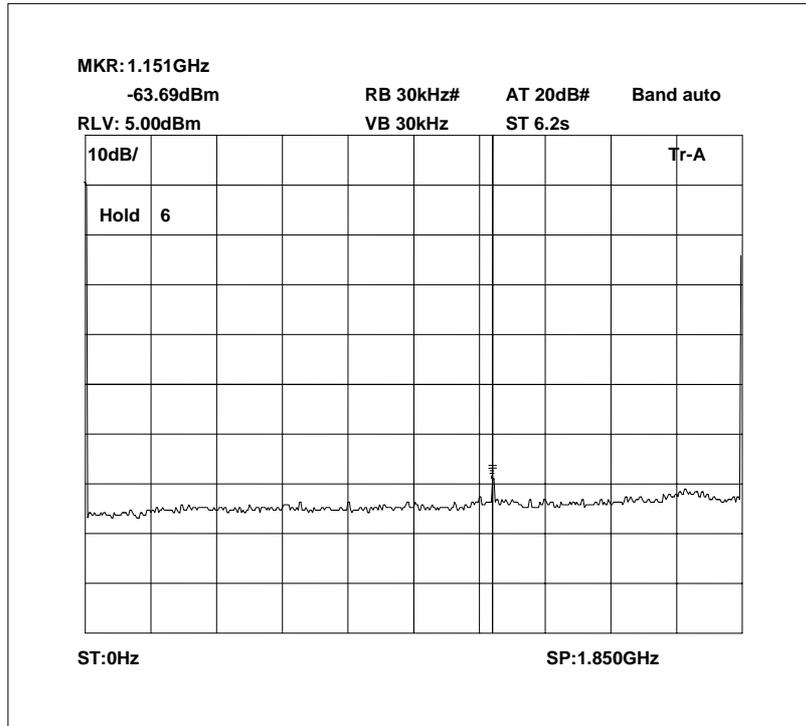
On any frequency removed from the assigned frequency by more that 250% of the authorised bandwidth

At least 43 + 10 log PdB

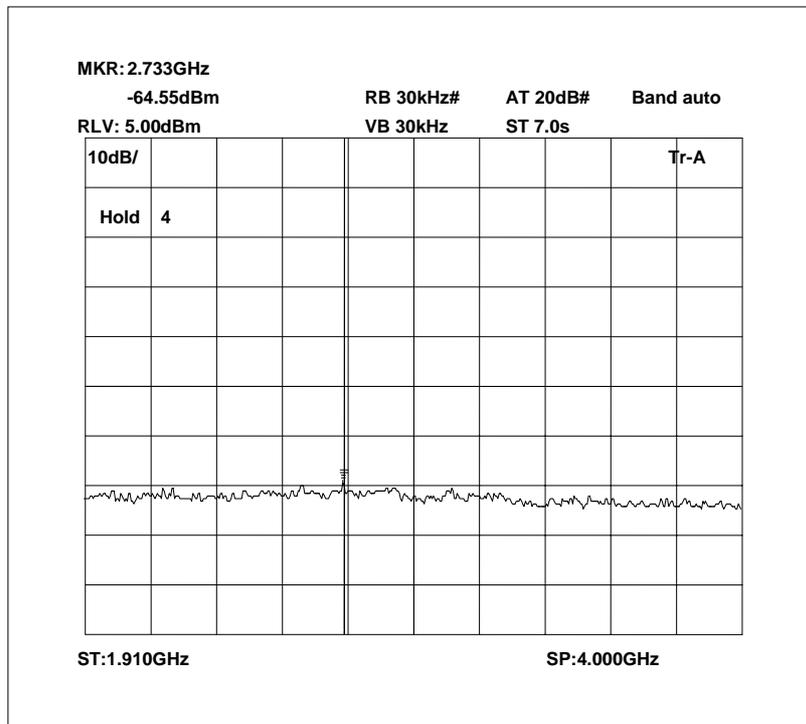
$$(10\log P_{\text{watts}}) - (43+10\log (P_{\text{watts}} * 1000)) = \text{LIMIT} = -13 \text{ dBm}$$

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
ATTENUATOR	BIRD	8304-300-N	N/A	220	<b>X</b>
ATTENUATOR	BIRD	8304-100-N	N/A	222	<b>X</b>
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCON	2042	119388/080	179	<b>X</b>

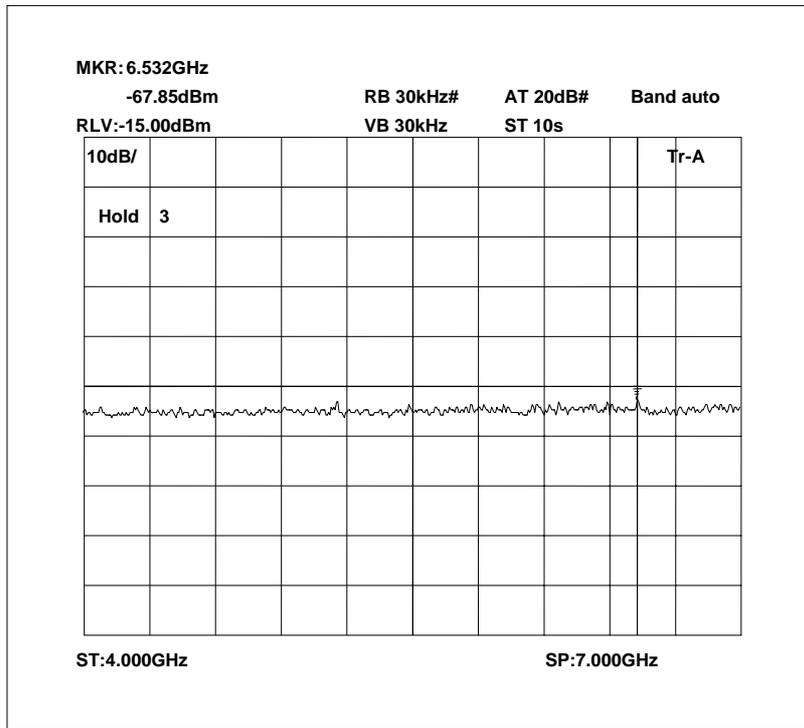
Conducted emissions 1850.0 MHz 0 Hz – 1850.0 MHz



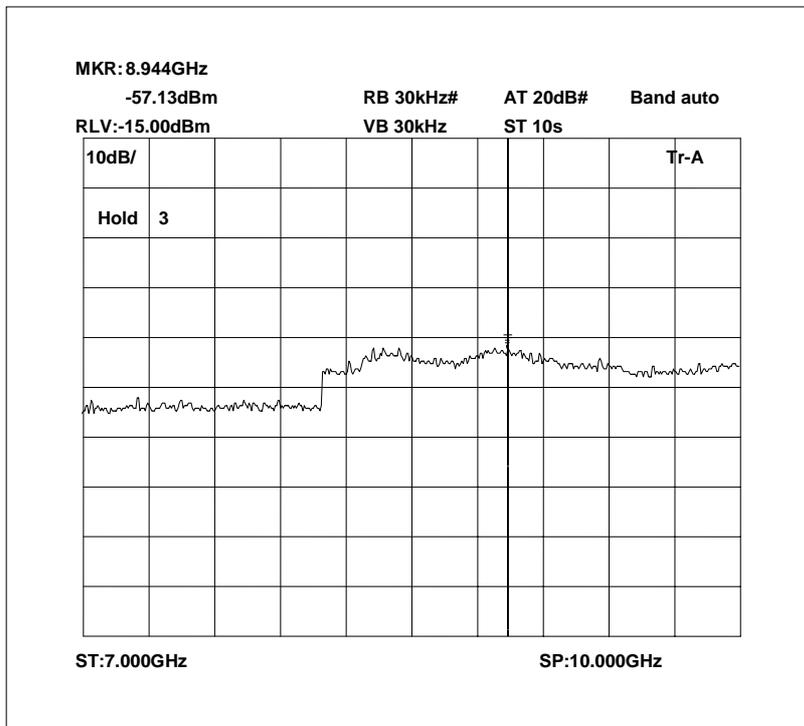
Conducted emissions 1850.0MHz 1910 MHz -4 GHz



Conducted emissions 1850.0MHz 4 – 7 GHz

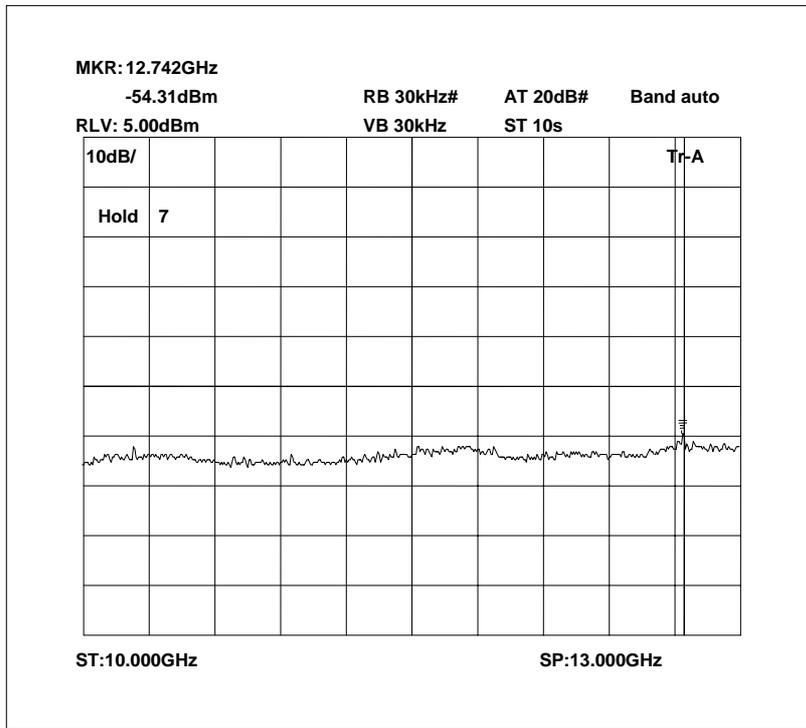


Conducted emissions 1850.0MHz 7 - 10GHz

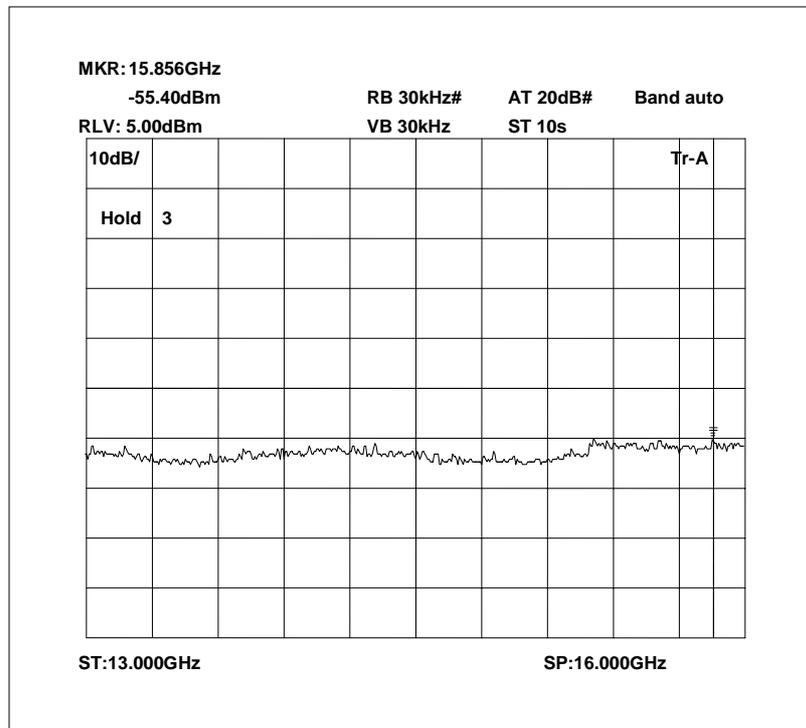




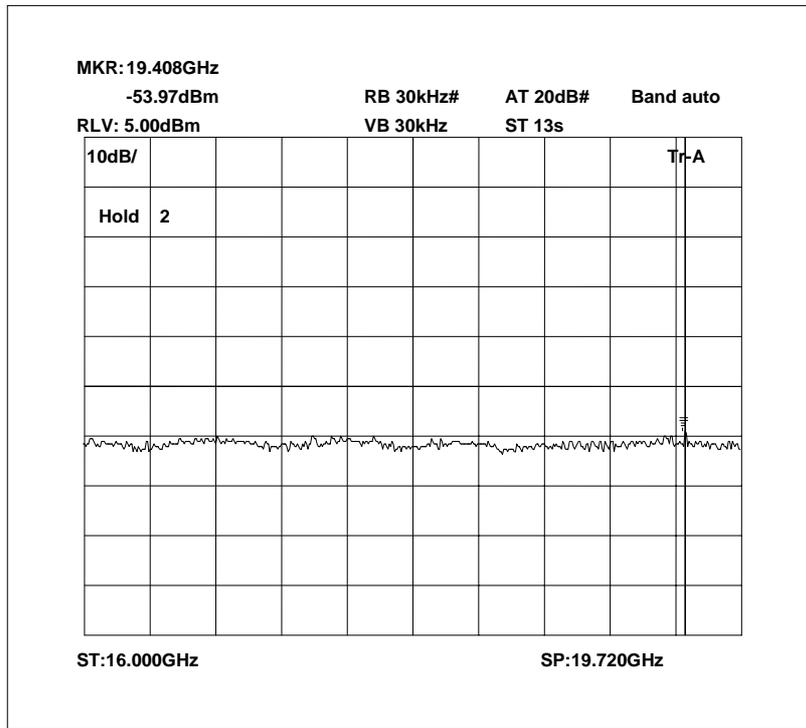
Conducted emissions 1850.0MHz 10 - 13GHz



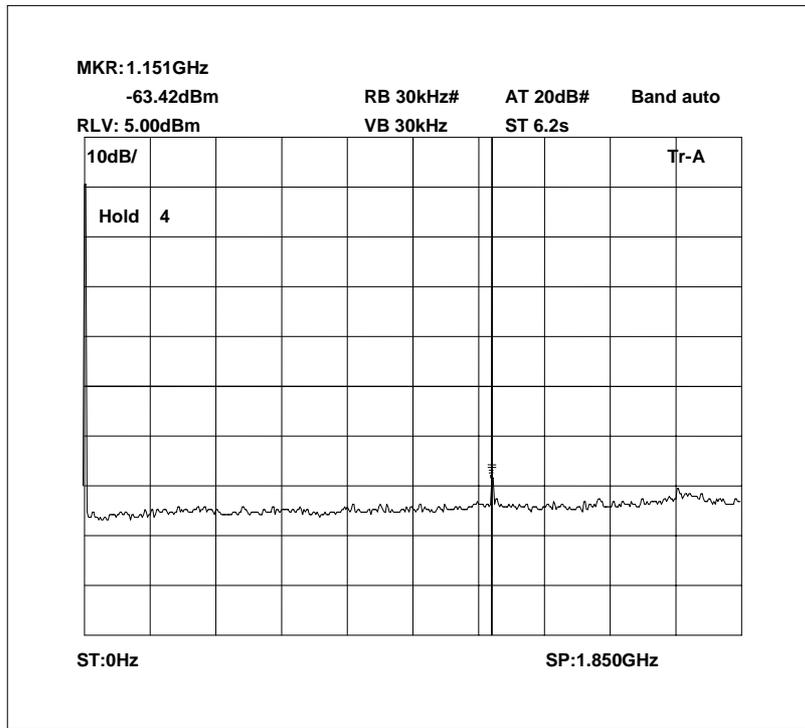
Conducted emissions 1850.0MHz 13 - 16GHz



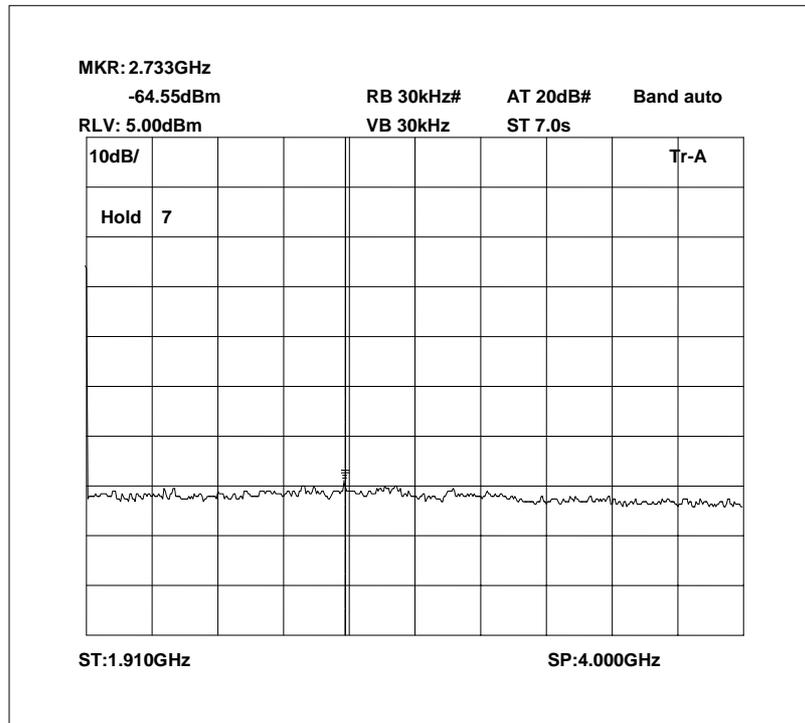
Conducted emissions 1850.0MHz 16 – 19.7GHz



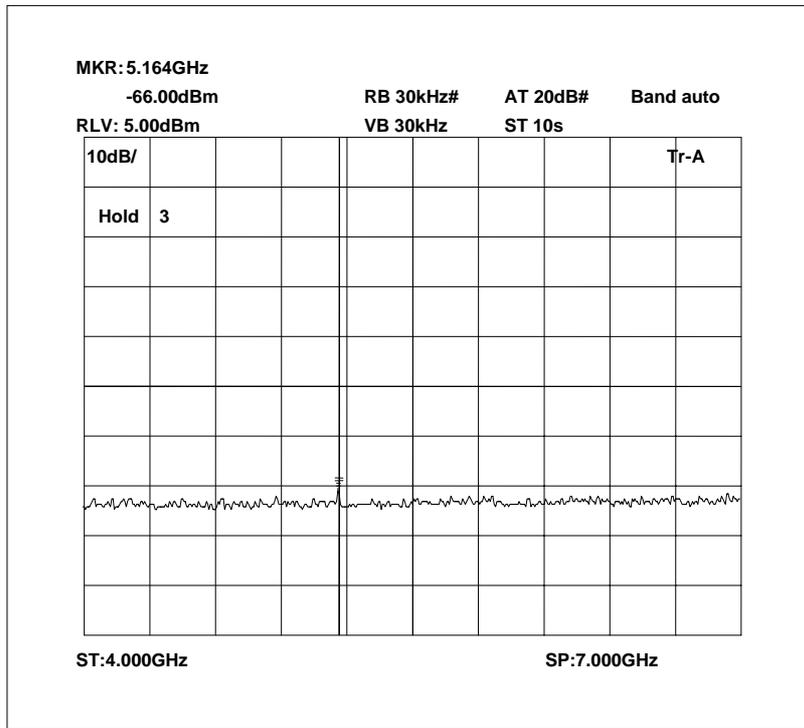
Conducted emissions 1910.0MHz 0 – 1850MHz



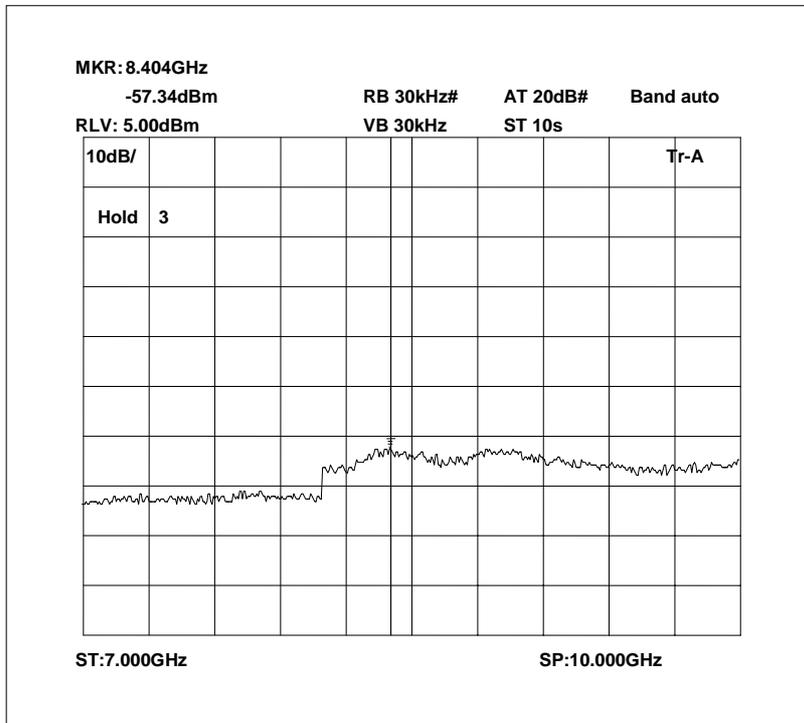
Conducted emissions 1910.0MHz 1910 - 4GHz



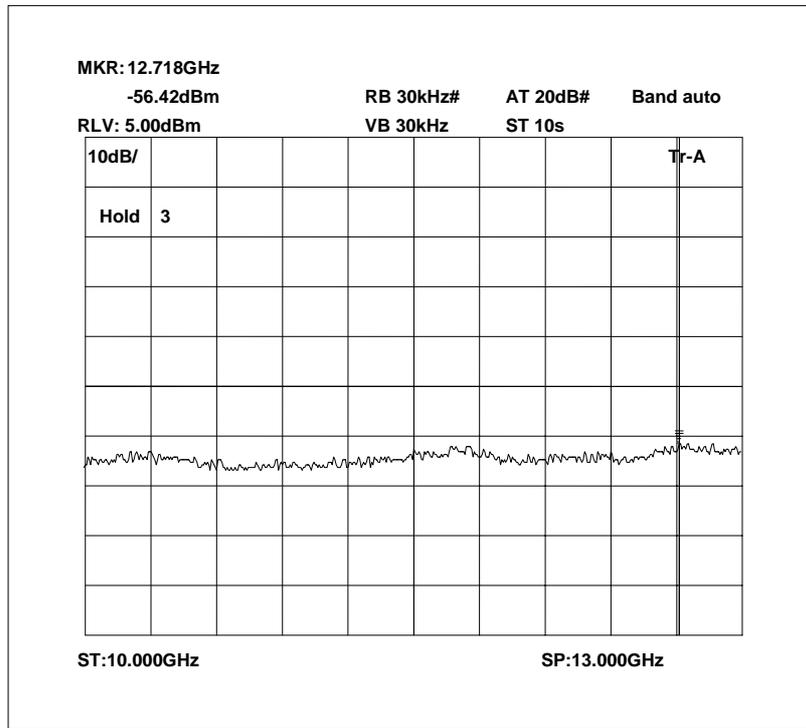
Conducted emissions 1910.0MHz 4 – 7GHz



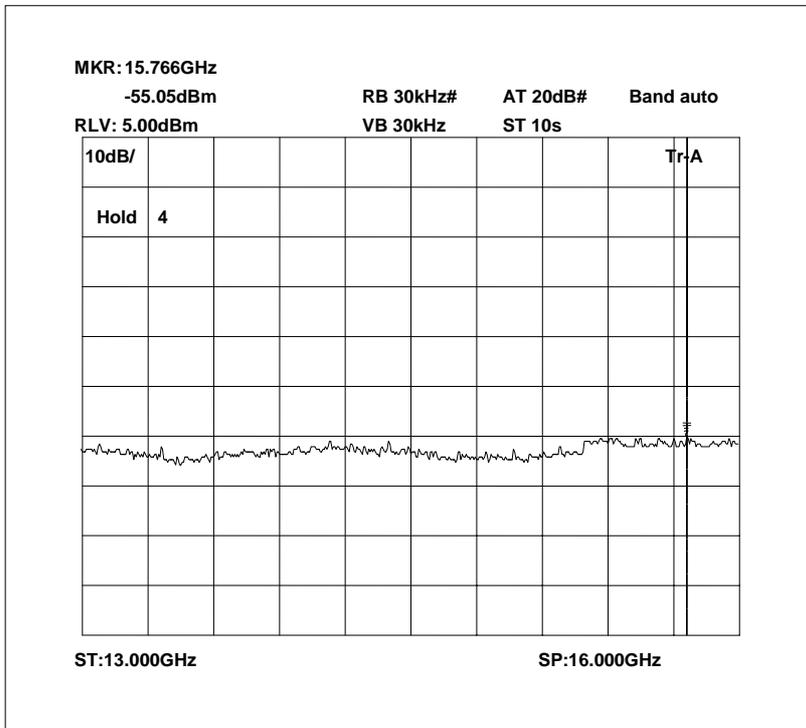
Conducted emissions 1910.0MHz 7 – 10GHz



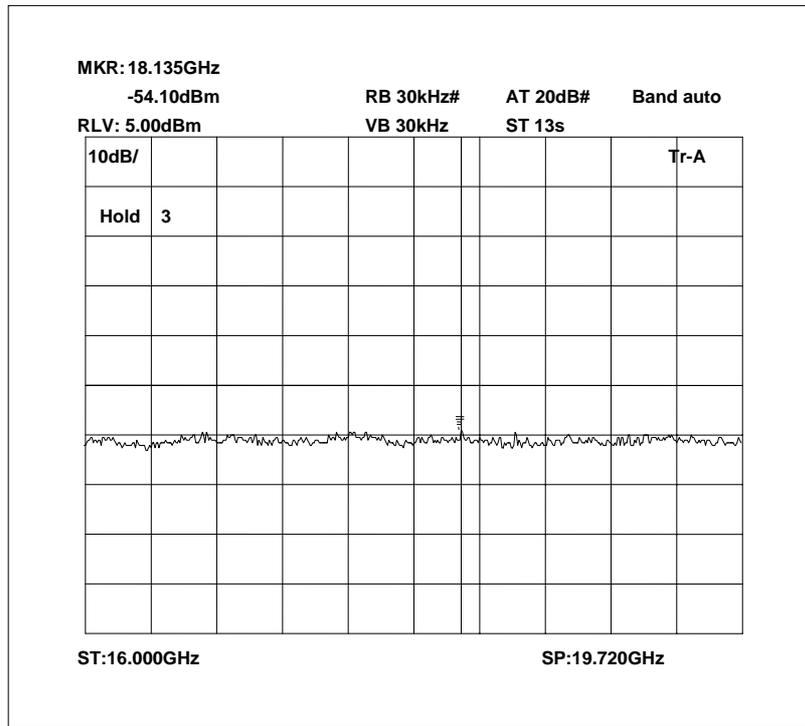
Conducted emissions 1910.0MHz 10 – 13GHz



Conducted emissions 1910.0MHz 13 – 16GHz



Conducted emissions 1910.0MHz 16 – 19.7GHz

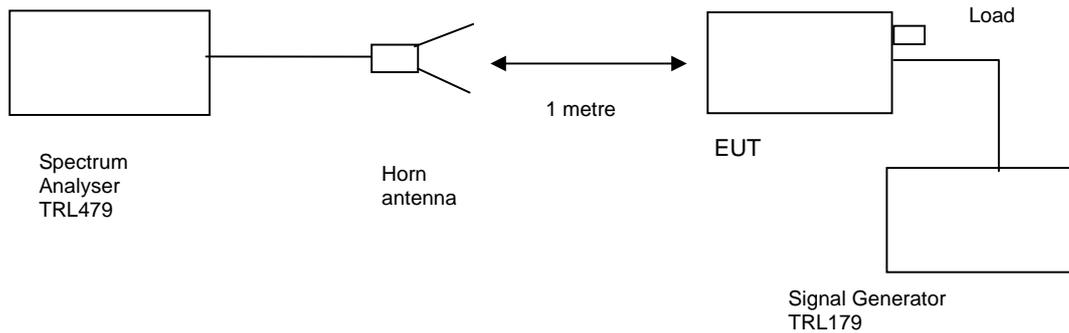


## TRANSMITTER TESTS

### AMPLIFIER SPURIOUS EMISSIONS – RADIATED – Part 2.1053– UPLINK

Ambient temperature = 16°C  
 Relative humidity = 39%  
 Conditions = OATS  
 Supply voltage = 110Vac  
 Supply Frequency = 60Hz

Test Signal = F3E



The test was set up as per the diagram. The level at the input was adjusted to compensate for the loss of the interconnecting cable. The unit was tested operating maximum power on three test frequencies with a 50 ohm load on the output. The unit was also tested with the signal generator replaced by another 50ohm load.

The Spurious limit was calculated as follows:

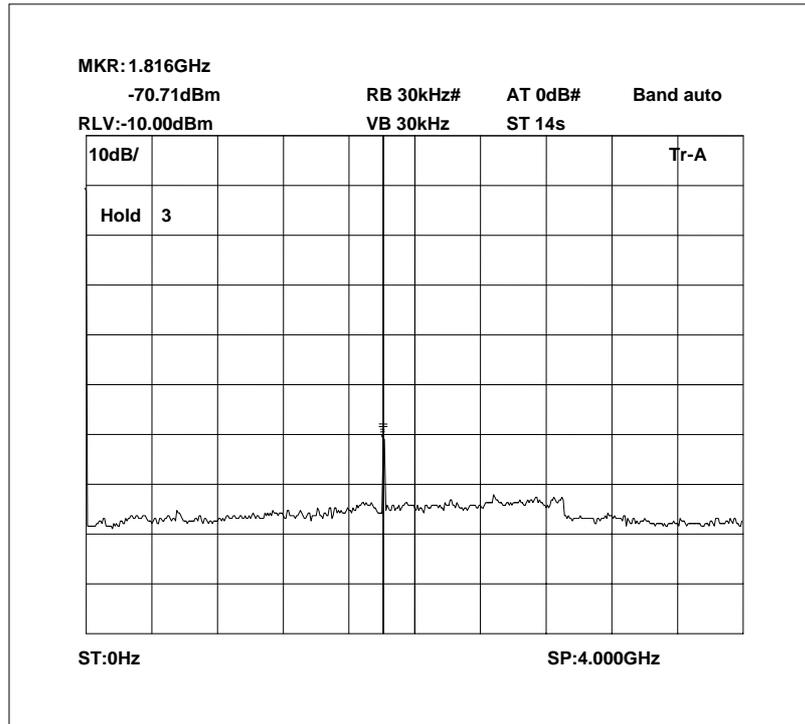
On any frequency removed from the assigned frequency by more that 250% of the authorised bandwidth

At least  $43 + 10 \log P_{dB}$

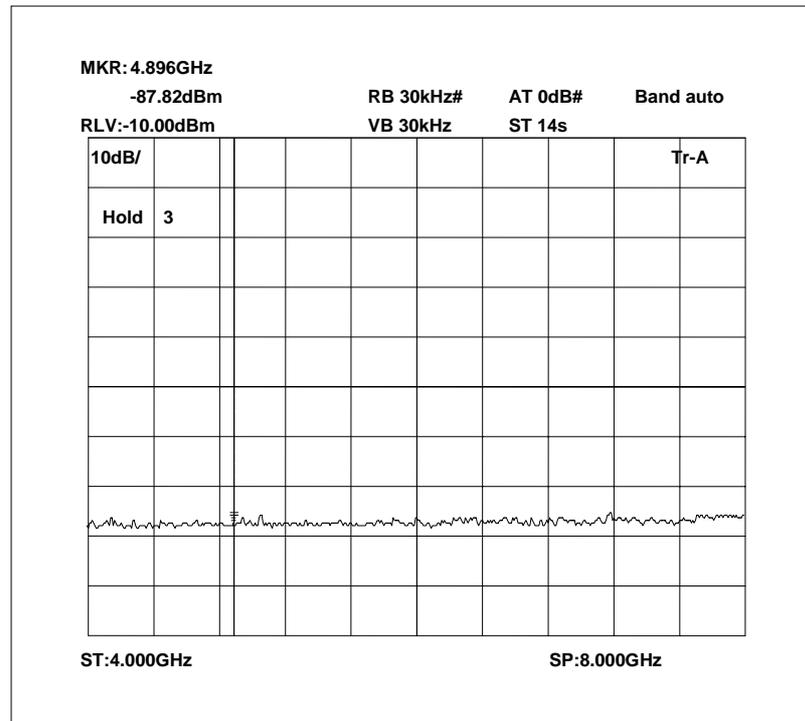
$$(10 \log P_{\text{watts}}) - (43 + 10 \log (P_{\text{watts}} * 1000)) = \text{LIMIT} = -13 \text{ dBm}$$

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	X
HORN	EMCO	3115	9010-3581	139	X
50 OHM LOAD	PHILCO	160B-300	1643	UH139	X
50 OHM LOAD	RHODE & SCHWARZ	200.0019.55	300804/32	UH227	X
CABLE	ROSENBERGER	MICRO COAX	N/A	280	X
SIGNAL GENERATOR	MARCONI	2042	119388/080	179	X

Radiated emissions 819.3MHz 0 – 4000MHz

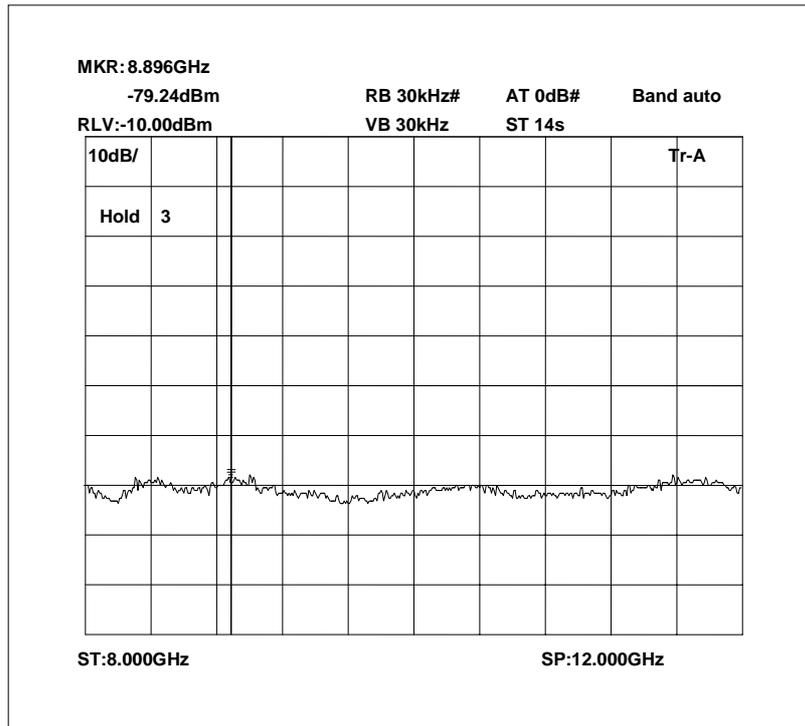


Radiated emissions 819.3MHz 4000MHz – 8000MHz

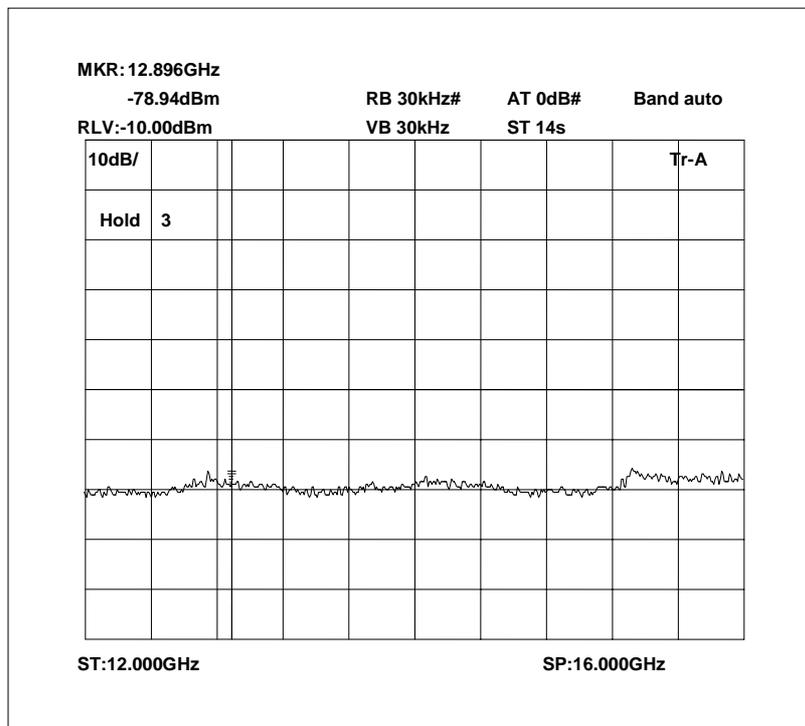




Radiated emissions 1850.0 MHz 8000MHz – 12000MHz

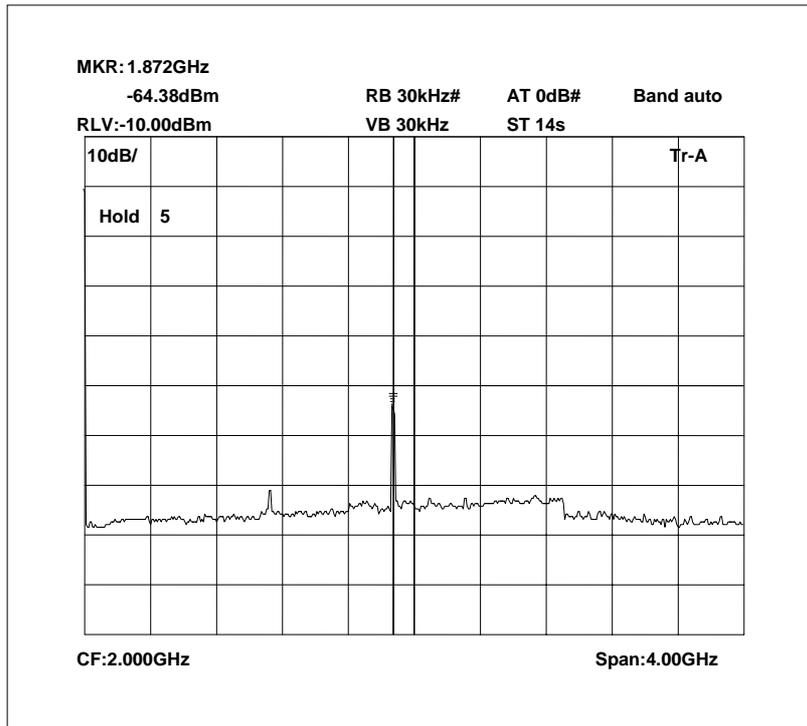


Radiated emissions 1850.0 MHz 12000MHz – 16000MHz

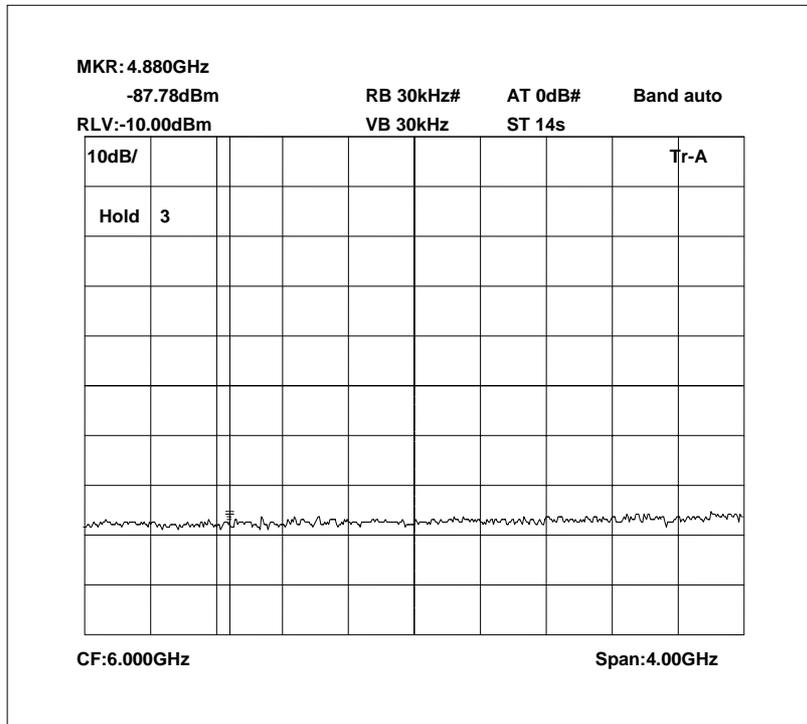




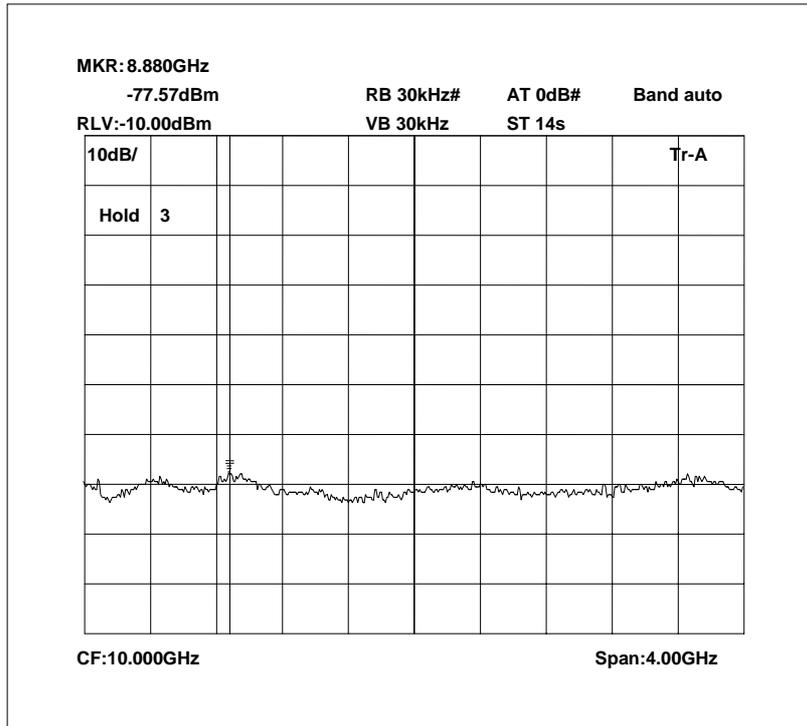
Radiated emissions 1910.0MHz 0 Hz – 4000 MHz



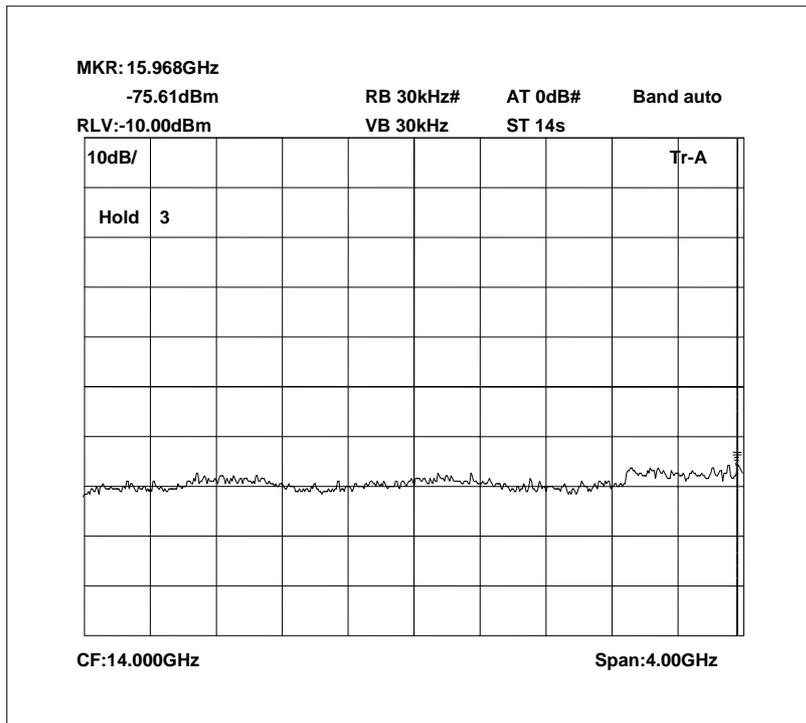
Radiated emissions 1910.0MHz 4000 MHz – 8000 MHz



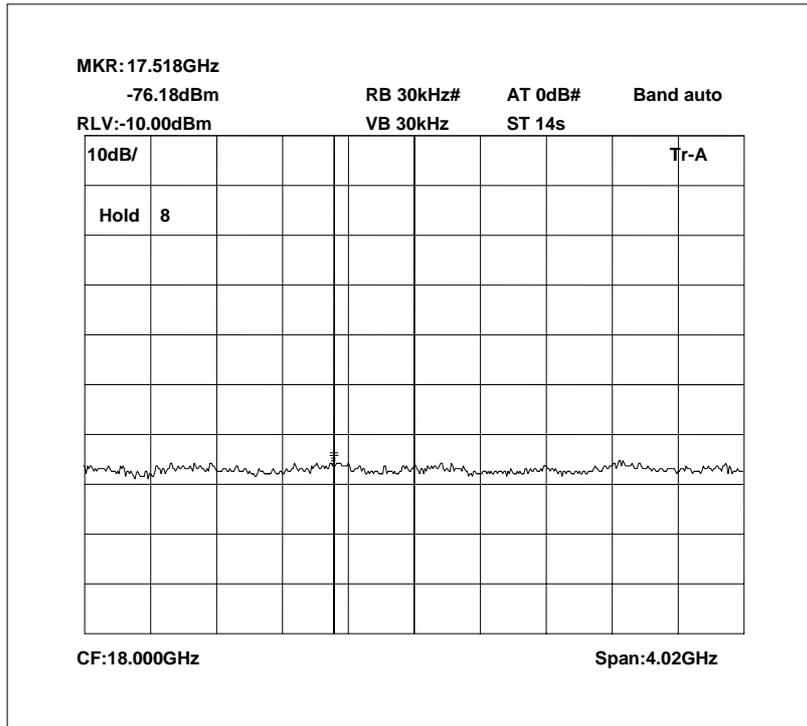
Radiated emissions 1910.0 MHz 8000 MHz – 12000 MHz



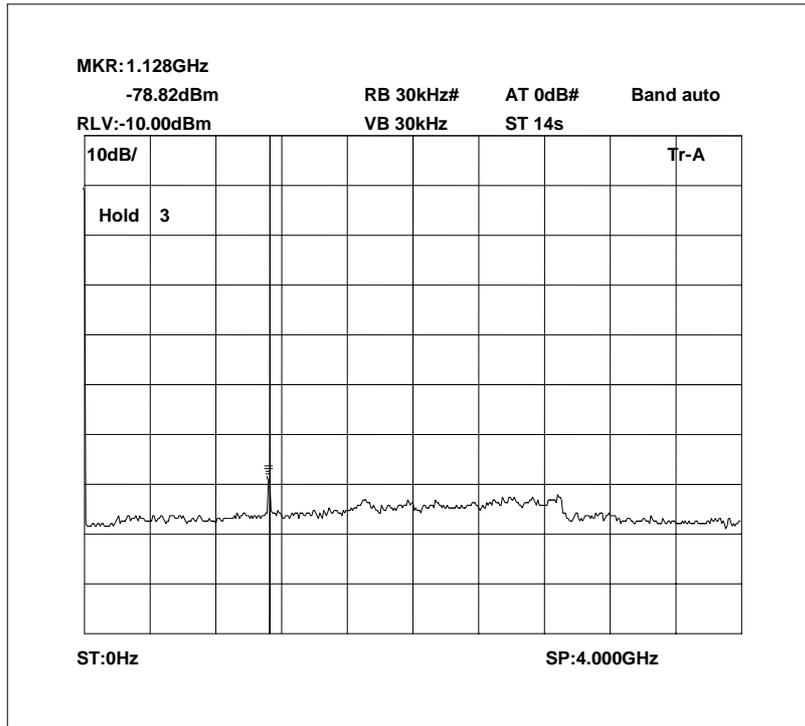
Radiated emissions 1910.0MHz 12000 MHz – 16000 MHz



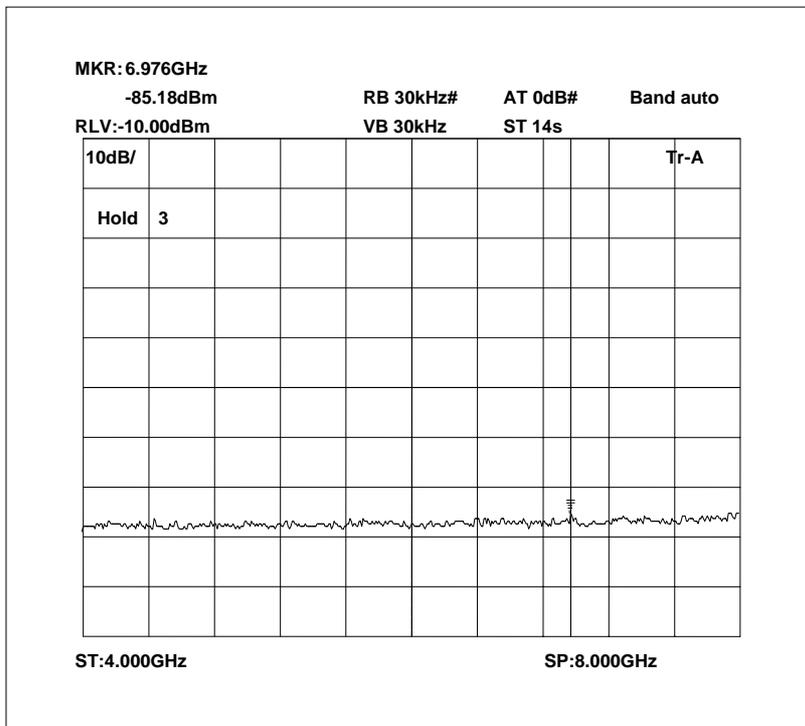
Radiated emissions 1910.0MHz 16000 MHz – 20000 MHz



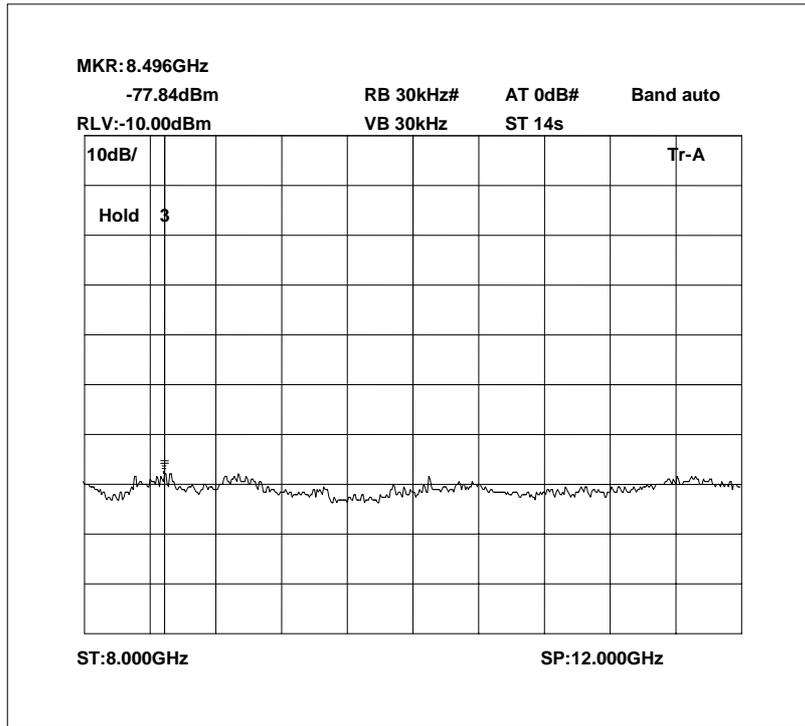
Radiated emissions no input signal 0 Hz - 4000MHz



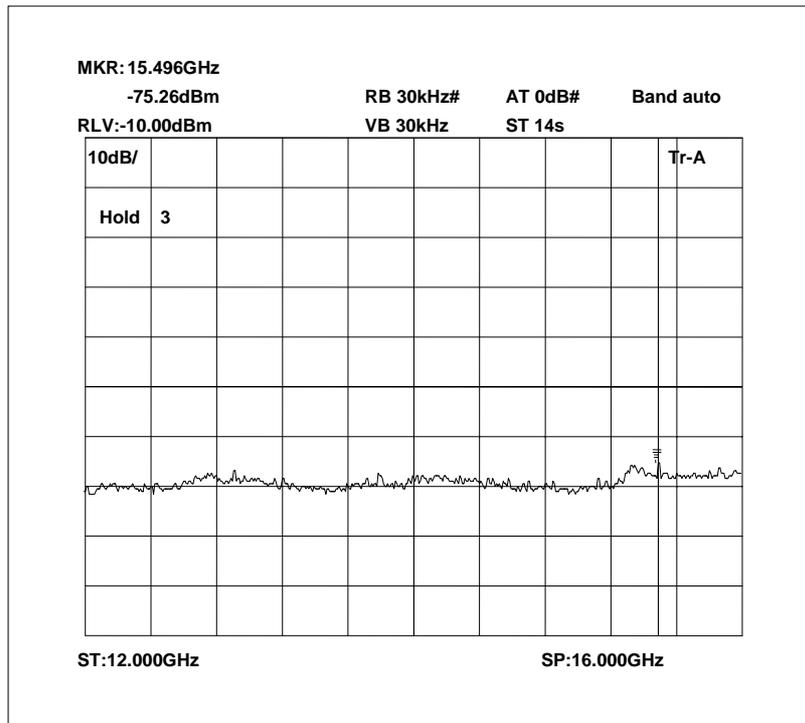
Radiated emissions no input signal 4000MHz - 8000MHz



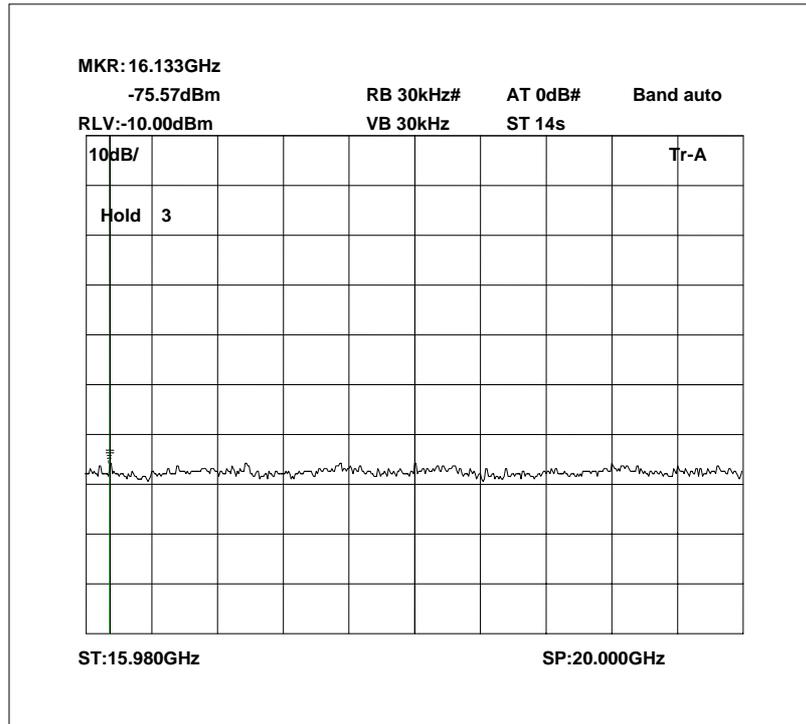
Radiated emissions no input signal 8000MHz – 12000MHz



Radiated emissions no input signal 12000MHz – 16000MHz



Radiated emissions no input signal 16000MHz – 20000MHz

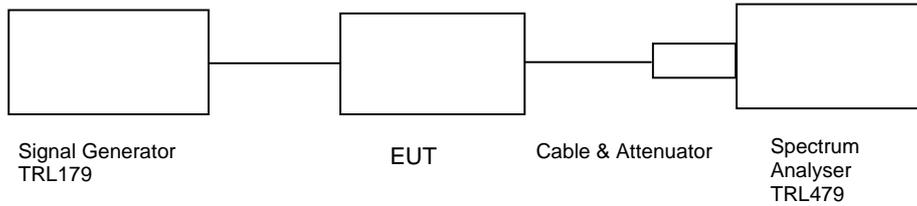




**AMPLIFIER GAIN – CONDUCTED – PART 2.1046 – DOWNLINK**

Ambient temperature = 20°C  
 Relative humidity = 49%  
 Supply voltage = +12Vdc & 110Vac  
 Channel Frequency = See test results

Radio Laboratory



Frequency MHz	Operating Voltage	Signal Generator input level dBm	Cable & Attenuator Loss dB	Level at Spectrum Analyser dBm	Gain dB	Gain after 10dB input level increase dBm
1930.0	+12Vdc	-51	49.11	-8.92	91.19	82.46
1945.0	+12Vdc	-51	49.11	-7.10	93.01	83.31
1990.0	+12Vdc	-52	49.11	-7.80	93.31	84.14
1930.0	+110Vac	-51	49.11	-8.60	91.51	82.56
1945.0	+110Vac	-51	49.11	-7.20	92.91	83.21
1990.0	+110Vac	-52	49.11	-7.60	93.51	84.31

Notes:

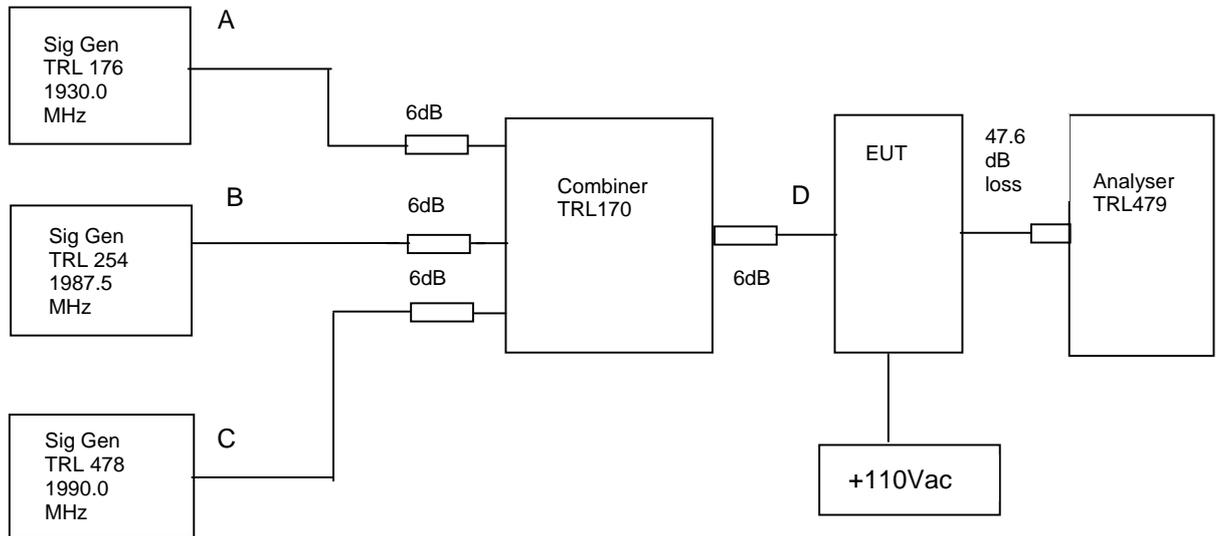
1. The level of the signal generator takes into consideration the loss from the cable.
2. The signal generator input was increased by 20dB and the level of the output signal remeasured

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
ATTENUATOR	BIRD	8304-200	N/A	103	<b>X</b>
ATTENUATOR	BIRD	8304-300-N	N/A	220	<b>X</b>
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCONI	2042	119388/080	179	<b>X</b>

**AMPLIFIER INTERMODULATION SPURIOUS EMISSIONS – CONDUCTED – PART 2.1053– DOWNLINK**

Ambient temperature = 22°C  
 Relative humidity = 38%  
 Supply voltage = 110Vac

Radio Laboratory



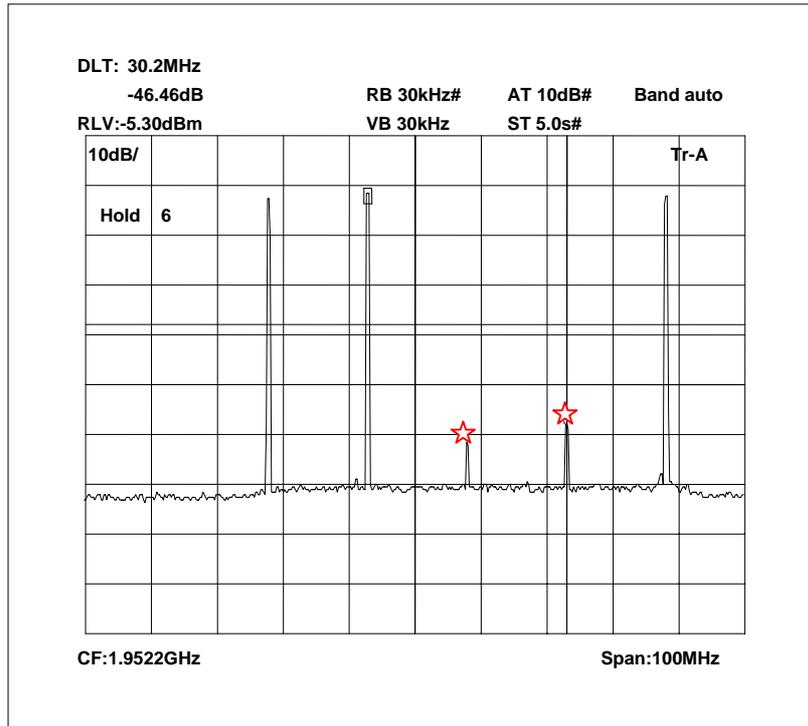
The Intermodulation and spurious products were measured with the amplifier operating at maximum gain. A three tone test was conducted using the equipment as above. The input power level was adjusted so the level at point D was the maximum input of -52dBm. The cable and attenuators loss between the EUT and the spectrum analyser was 47.6 dB.

Sweep data is shown on the next page:

Test equipment used for intermodulation test

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
SIGNAL GENERATOR	RHODE & SCHWARZ	SMR 20	834671/003	478	<b>X</b>
SIGNAL GENERATOR	MARCONI	2042	119562/021	254	<b>X</b>
SIGNAL GENERATOR	MARCONI	2042	119388/080	176	<b>X</b>
COMBINER	ELCOM	RC-4-50	N/A	170	<b>X</b>

### Intermodulation Inband



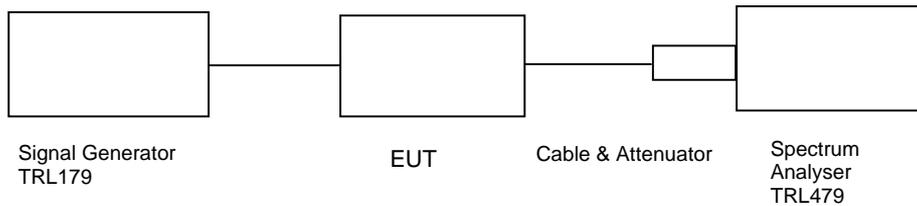
The above plot shows that all products (designated by ☆ ) are at least 40dB below the fundamentals.



**TRANSMITTER TESTS**

**AMPLIFIER MODULATED CHANNEL TEST – CONDUCTED – Part 2.1049– DOWNLINK**

Ambient temperature = 23°C Radio Laboratory  
 Relative humidity = 36%  
 Supply voltage = 110Vac  
 Channel Frequency = See test results



This test was performed to show that the amplifier does not alter the input signal in any way. The input signal was set to the maximum input level (-52dBm) and modulated with a 2500Hz tone and a 5000Hz tone. The plots show the signal measured at the signal generator and the signal measured at the output of the EUT.

Note: The cables and attenuators had the following losses.

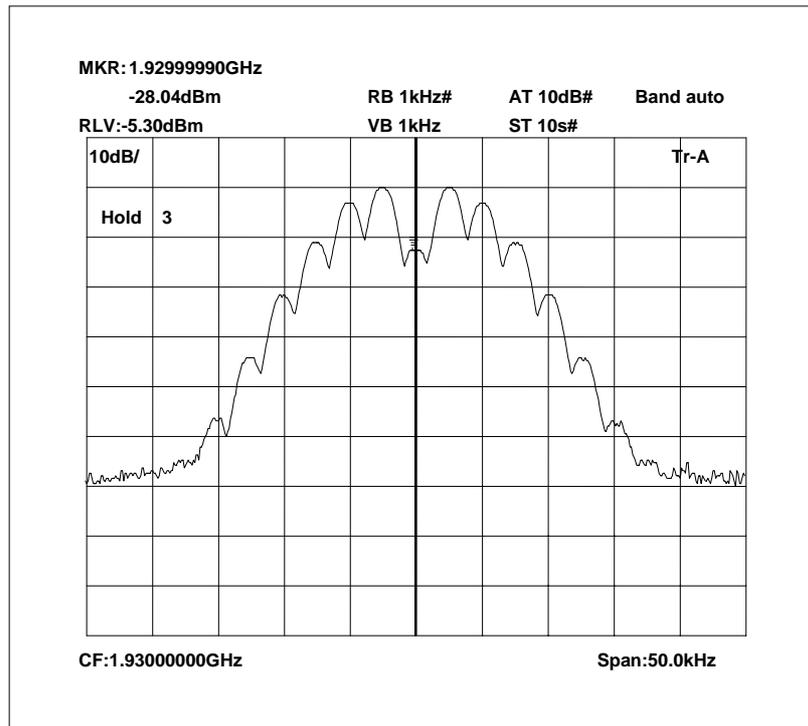
1. Cable and attenuator = 47.6dB
2. Cable between signal generator and EUT = 1.51dB

Due to the complex nature of PCS transmissions a FM modulated carrier was used to demonstrate that the cell enhancer had no detrimental effect on the modulated input signal when compared to the modulate output signal.

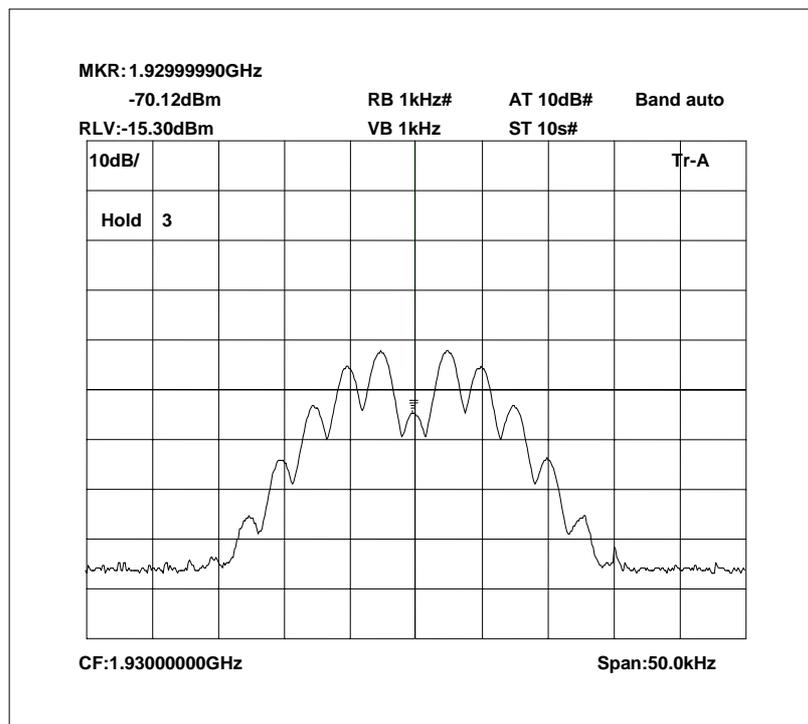
The test equipment used for the Transmitter modulated channel test:

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
ATTENUATOR	BIRD	8304-300-N	N/A	220	<b>X</b>
ATTENUATOR	BIRD	8304-100-N	N/A	222	<b>X</b>
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCONI	2042	119388/080	179	<b>X</b>

1930.0MHz Signal Generator. FM deviation set to 5kHz

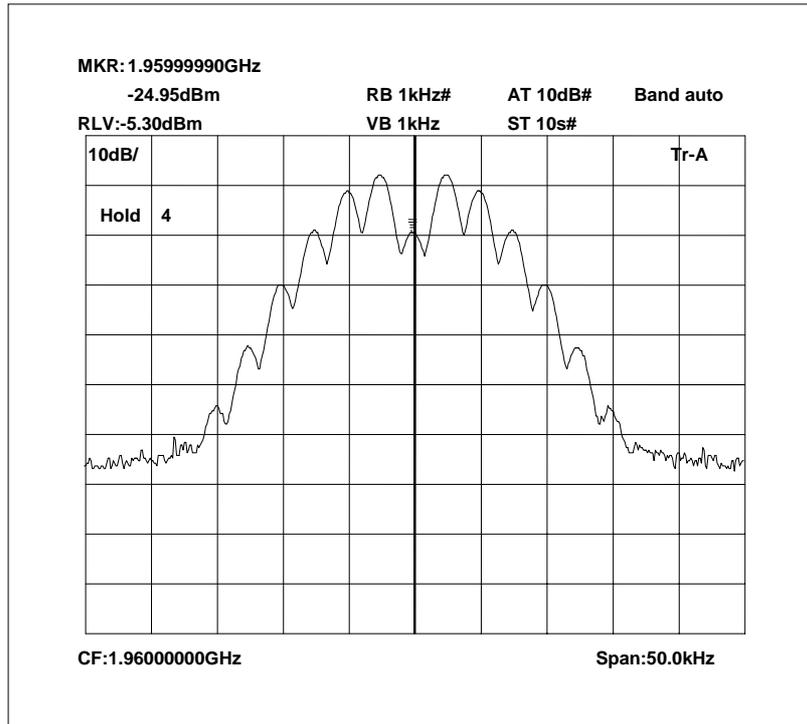


1930.0MHz Signal Generator and EUT. FM deviation set to 5kHz

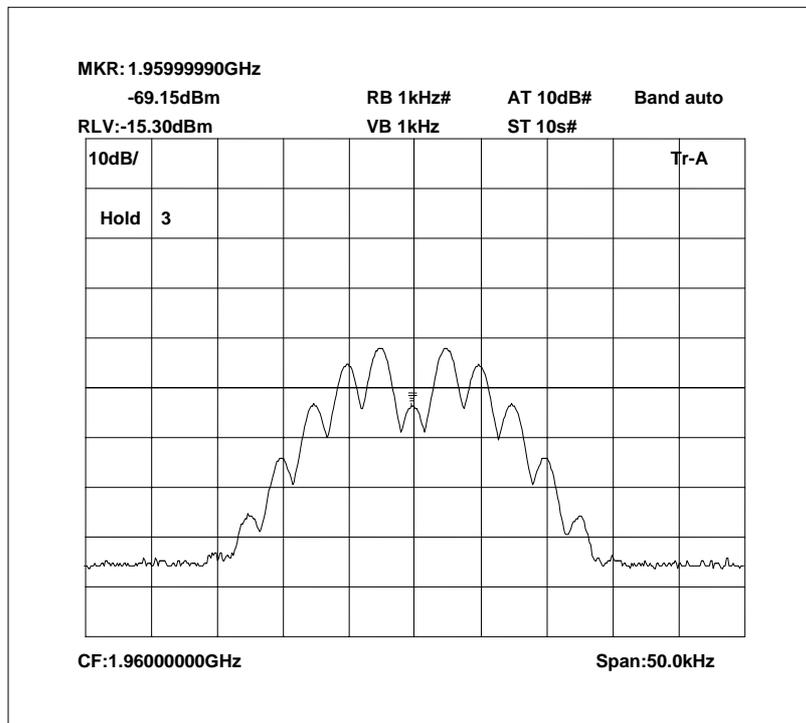


The above plots depicting the output wavsshape show no measurable distortion visible. When compared to the input signal.

1945.0MHz Signal Generator. FM deviation set to 5kHz

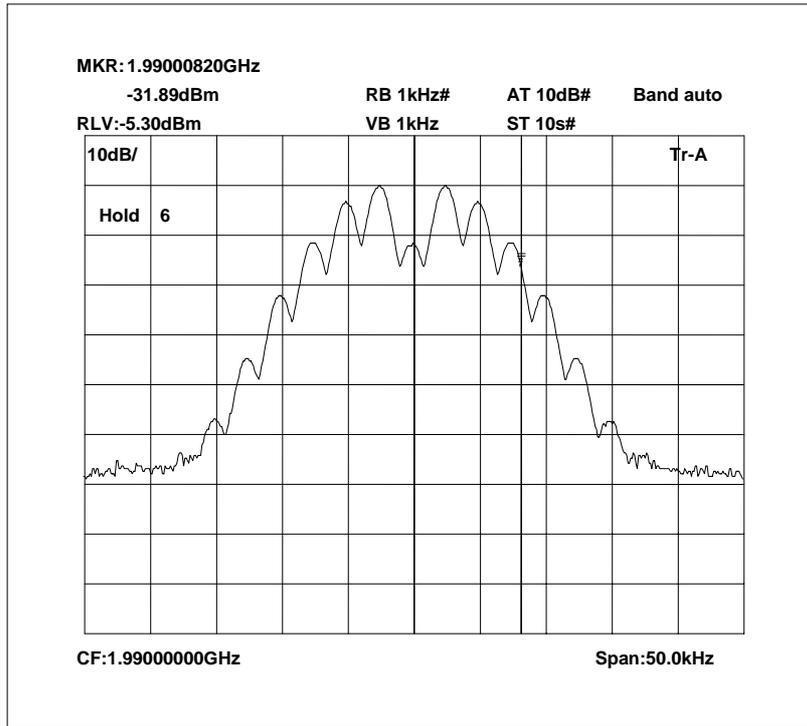


1945.0MHz Signal Generator and EUT. FM deviation set to 5kHz

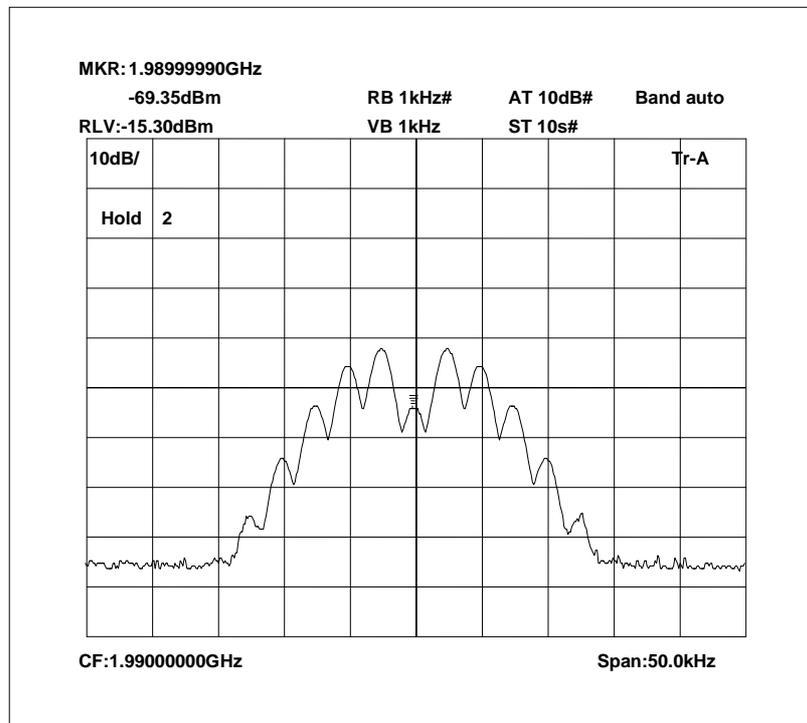


The above plots depicting the output waveshape show no measurable distortion visible. When compared to the input signal.

1990.0MHz Signal Generator. FM deviation set to 5kHz



1990.0 MHz Signal Generator and EUT. FM deviation set to 5kHz



The above plots depicting the output waveshape show no measurable distortion visible. When compared to the input signal.

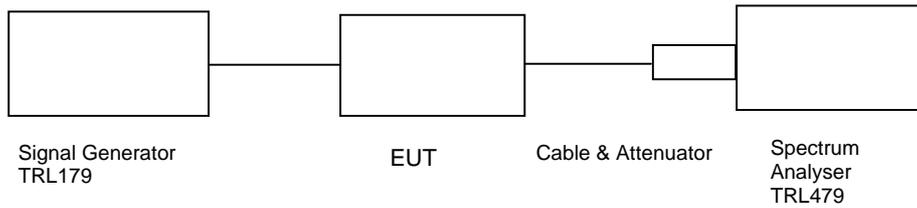


**TRANSMITTER TESTS**

**AMPLIFIER SPURIOUS EMISSIONS – CONDUCTED – Part 2.1053 – DOWNLINK**

Ambient temperature = 25°C  
 Relative humidity = 39%  
 Supply voltage = 110Vac

Radio Laboratory Test Signal = F3E



The test was set up as per the diagram. The level at the input was adjusted to compensate for the loss of the interconnecting cable. The unit was tested operating at maximum power and on three test frequencies.

The Spurious limit was calculated as follows:

On any frequency removed from the assigned frequency by more than 250% of the authorised bandwidth

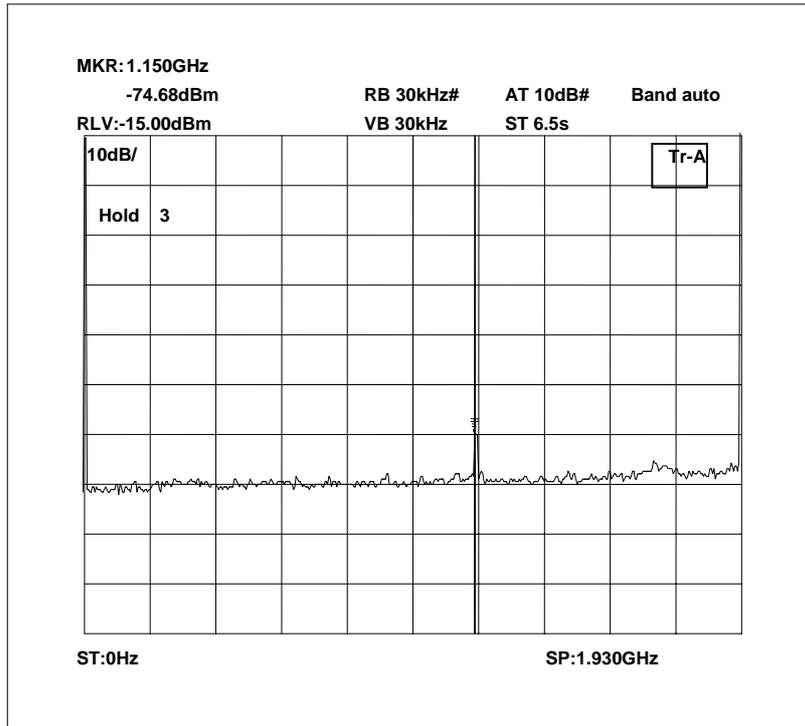
At least 43 + 10 log PdB

$$(10\log P_{\text{watts}}) - (43 + 10\log (P_{\text{watts}} * 1000)) = \text{LIMIT} = -13 \text{ dBm}$$

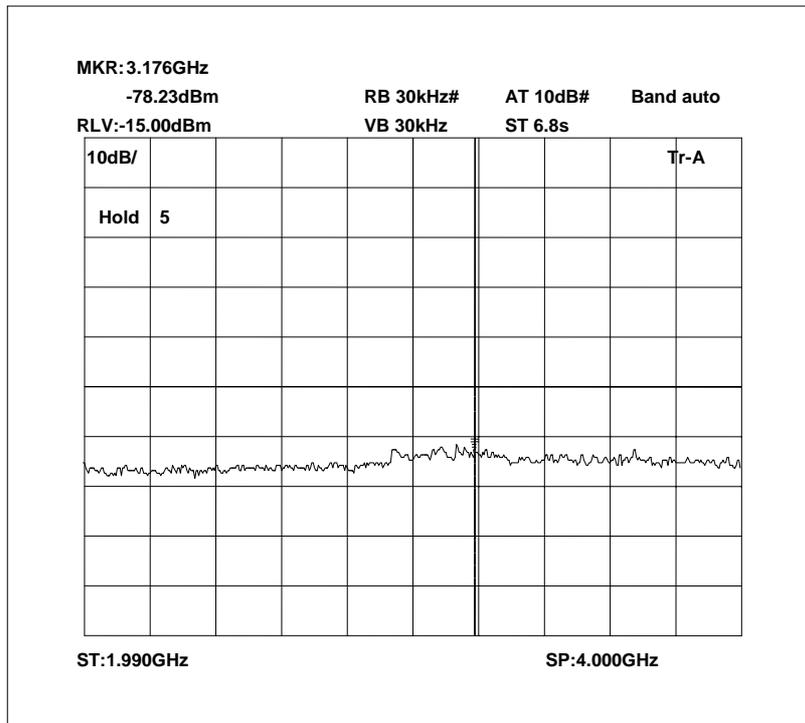
The test equipment used for the Transmitter Conducted Emissions:

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
ATTENUATOR	BIRD	8304-300-N	N/A	220	<b>X</b>
ATTENUATOR	BIRD	8304-100-N	N/A	222	<b>X</b>
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCONI	2042	119388/080	179	<b>X</b>

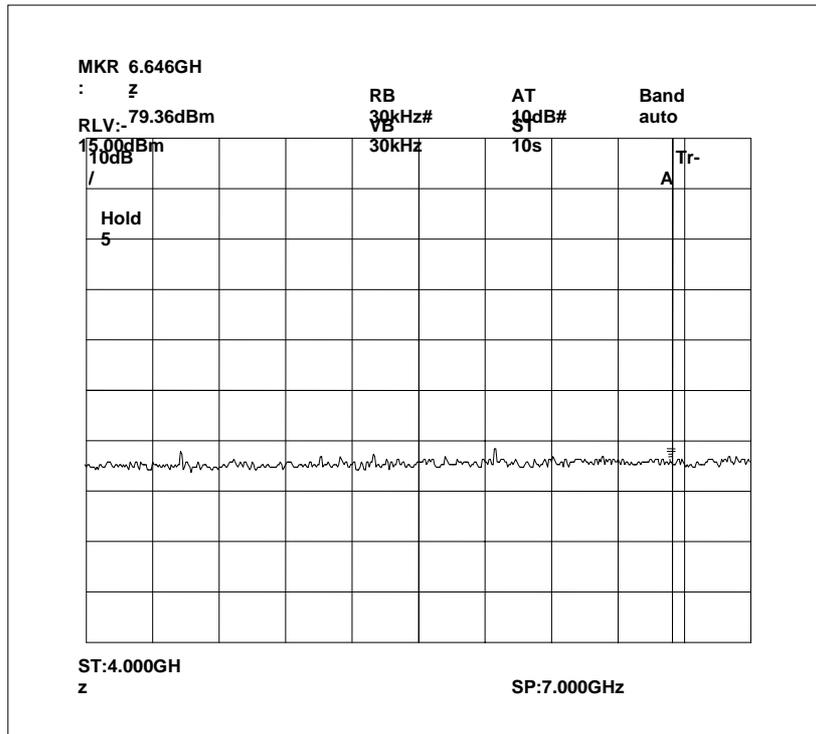
Conducted emissions 1930.0 MHz 0 Hz – 1930 MHz



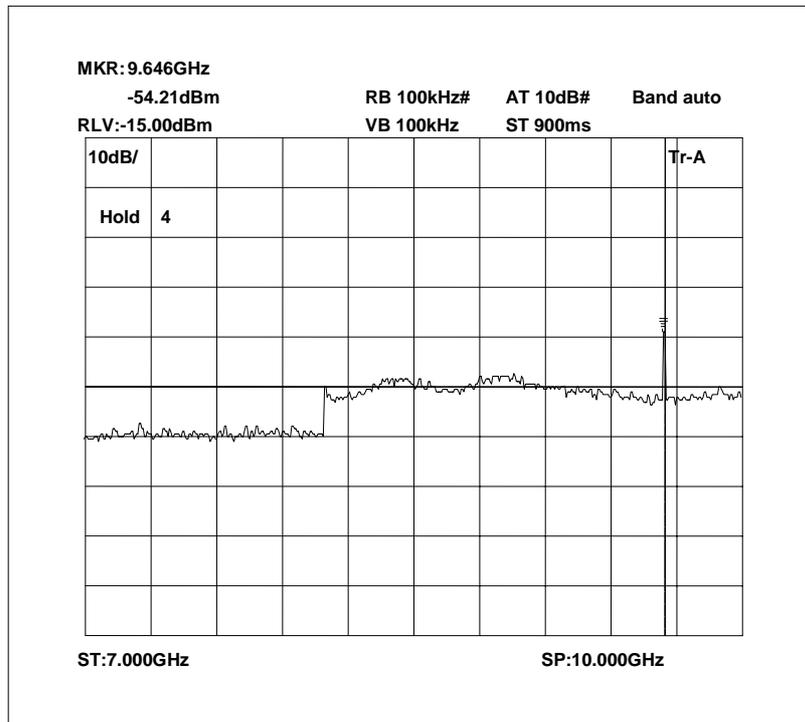
Conducted emissions 1930.0 MHz 1990MHz – 4 GHz



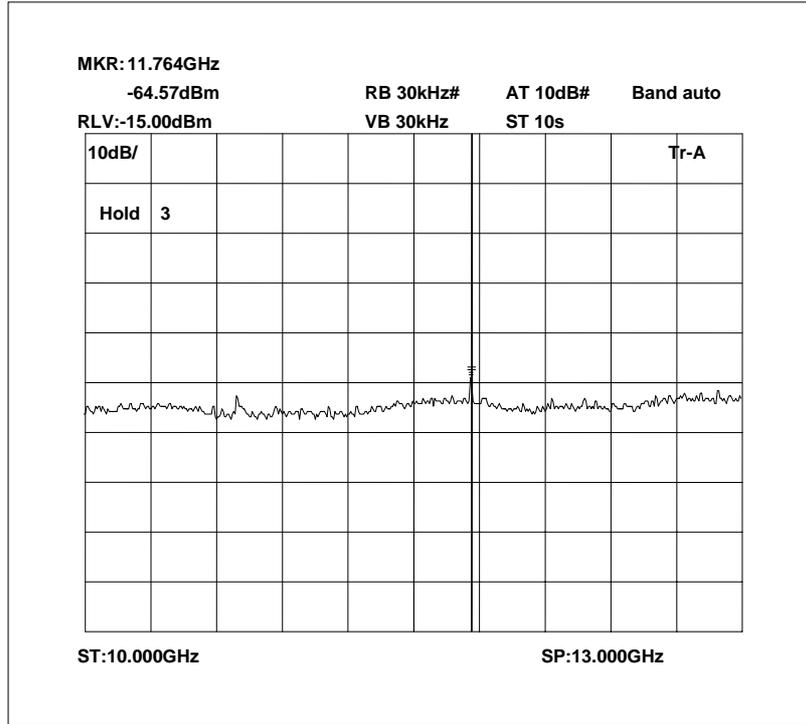
Conducted emissions 1930.0 MHz 4 GHz – 7 GHz



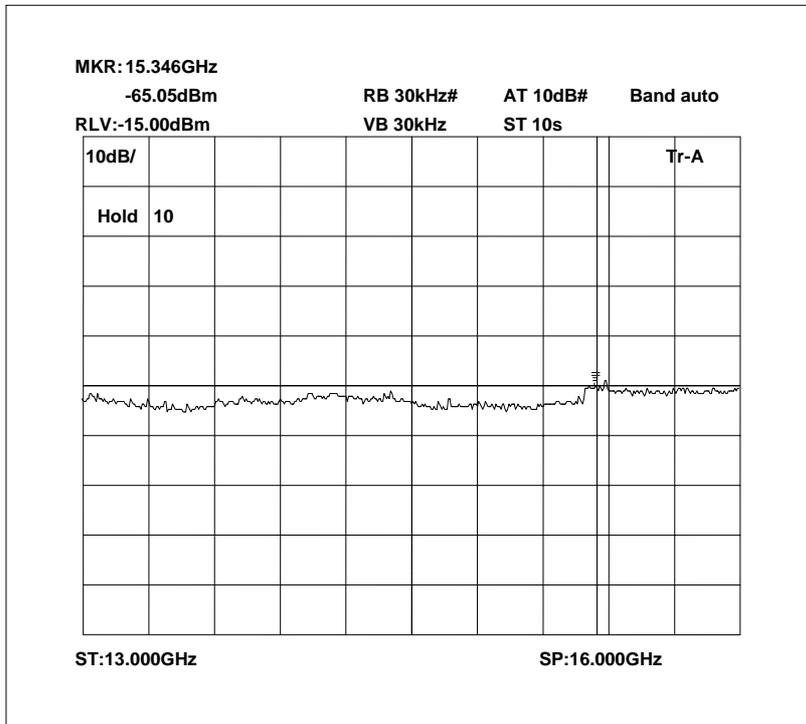
Conducted emissions 1930.0 MHz 7 GHz – 10 GHz



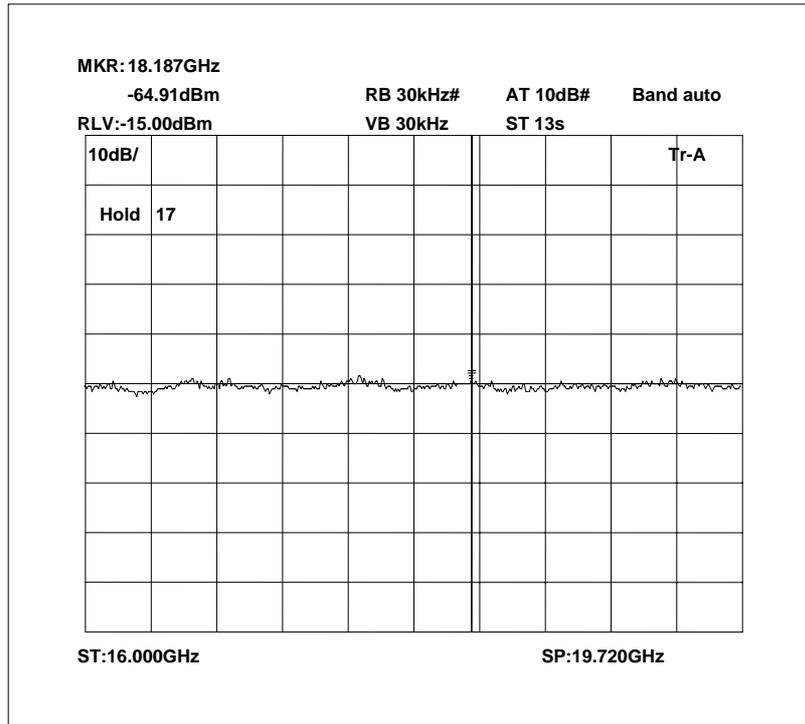
Conducted emissions 1930.0 MHz 10 GHz – 13 GHz



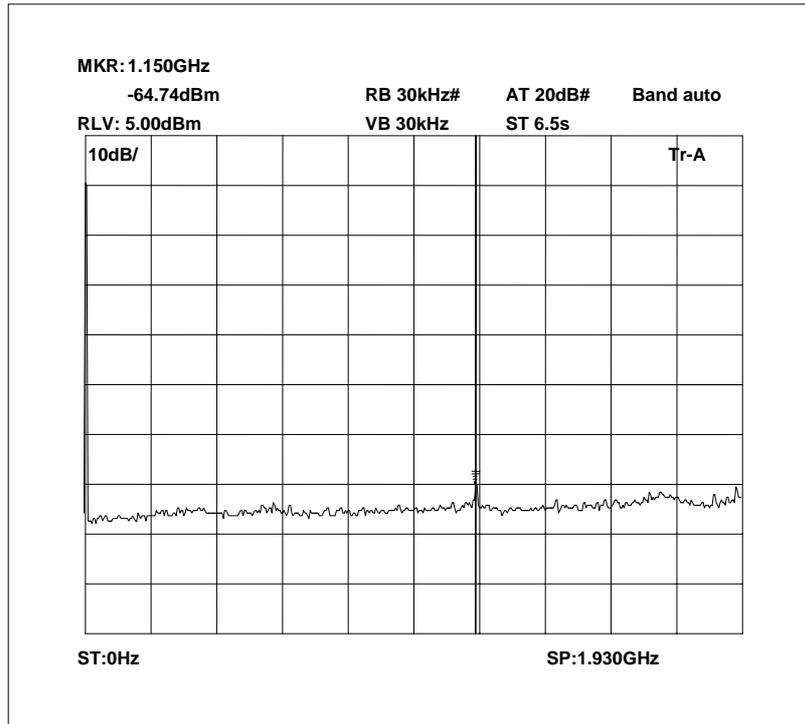
Conducted emissions 1930.0 MHz 13 GHz – 16 GHz



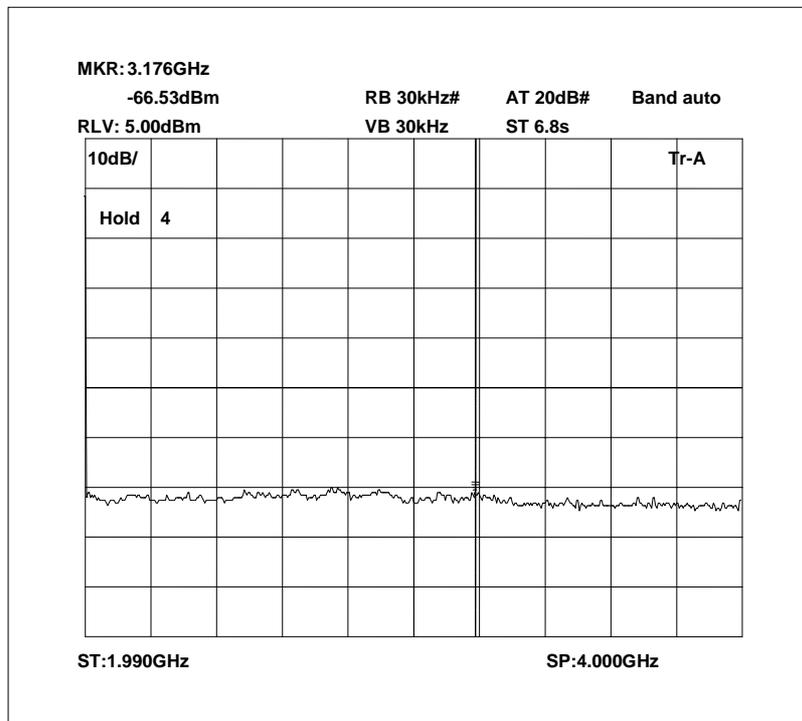
Conducted emissions 1930.0 MHz 16 GHz – 19.7 GHz



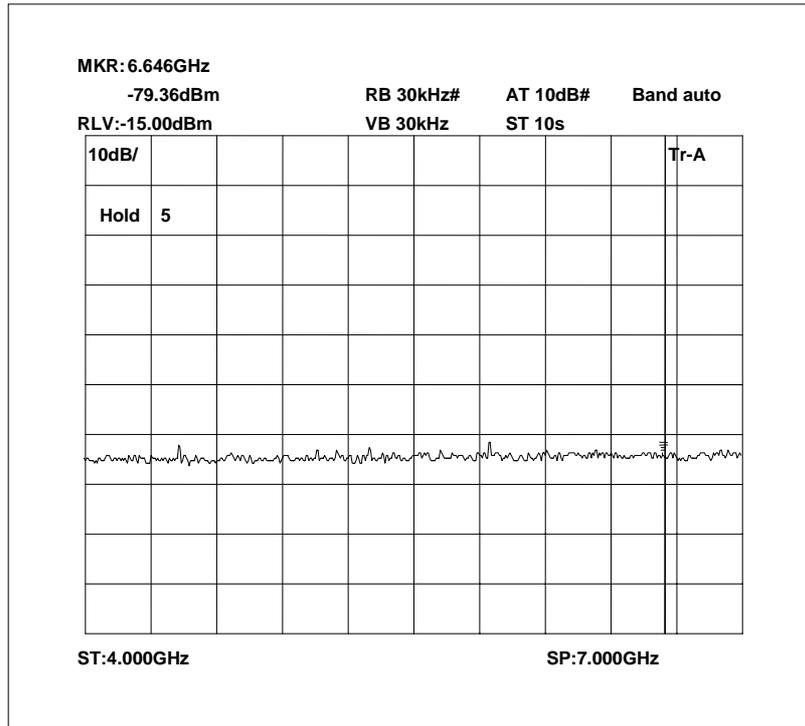
Conducted emissions 1990.0 MHz 0 MHz – 1930 MHz



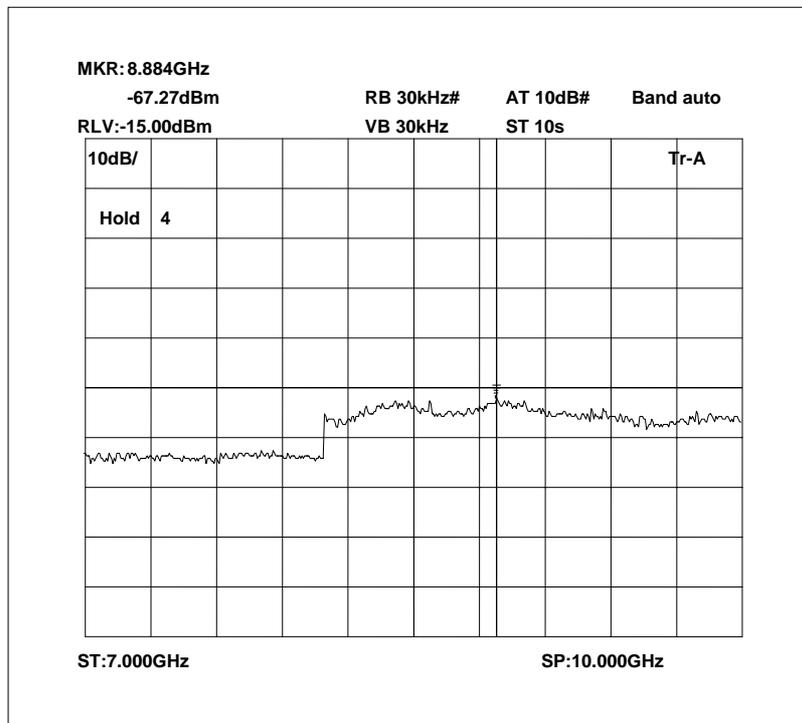
Conducted emissions 1990.0 MHz 1990 MHz – 4 GHz



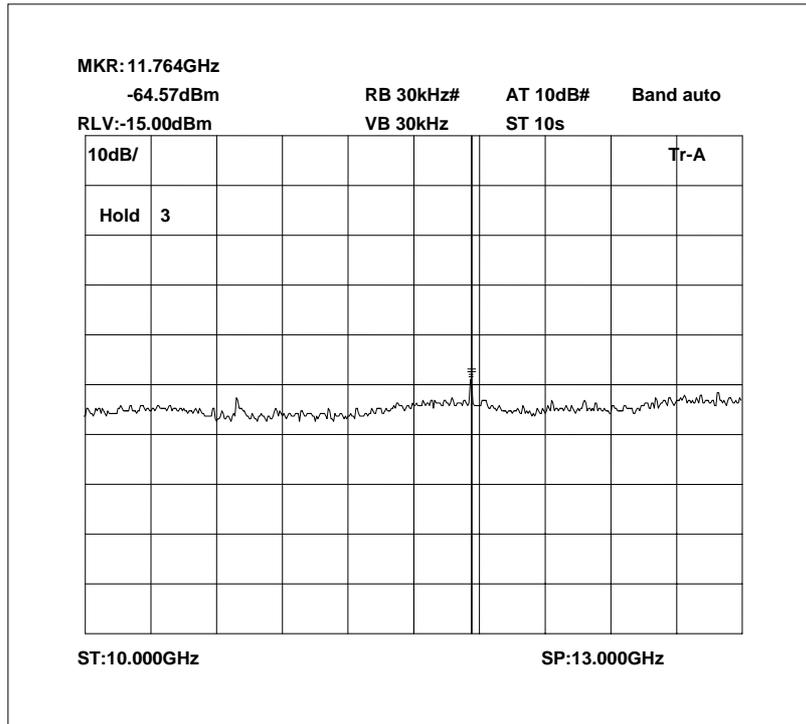
Conducted emissions 1990.0 MHz 4 GHz – 7 GHz



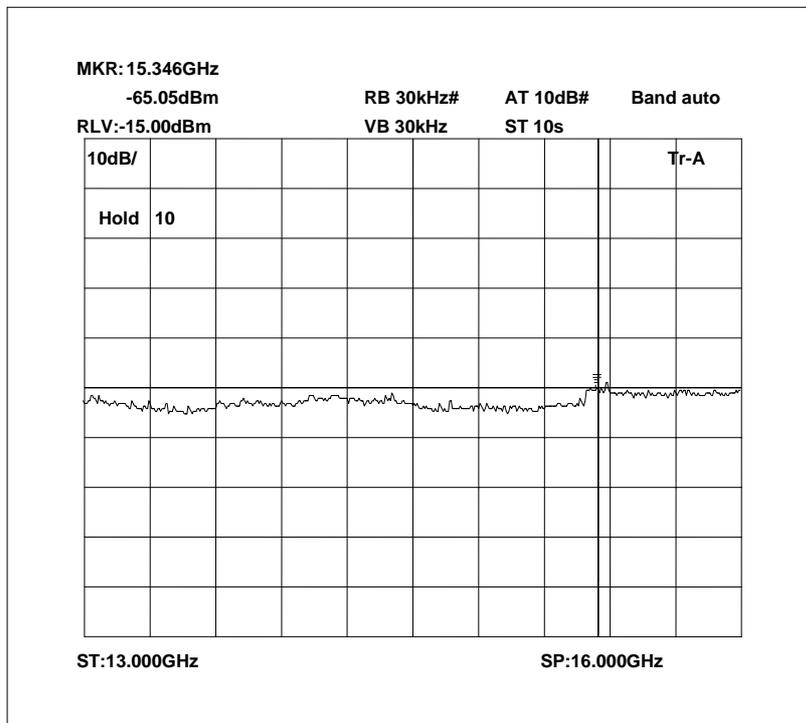
Conducted emissions 1990.0 MHz 7 GHz – 10 GHz



Conducted emissions 1990.0 MHz 10 GHz – 13 GHz

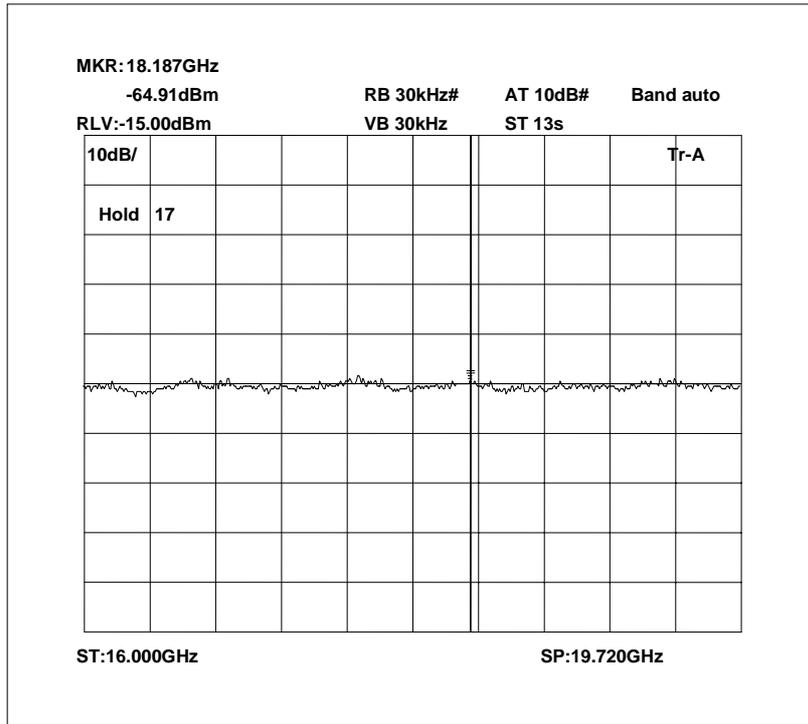


Conducted emissions 1990.0 MHz 13 GHz – 16 GHz





Conducted emissions 1990.0 MHz 16 GHz – 19.7 GHz

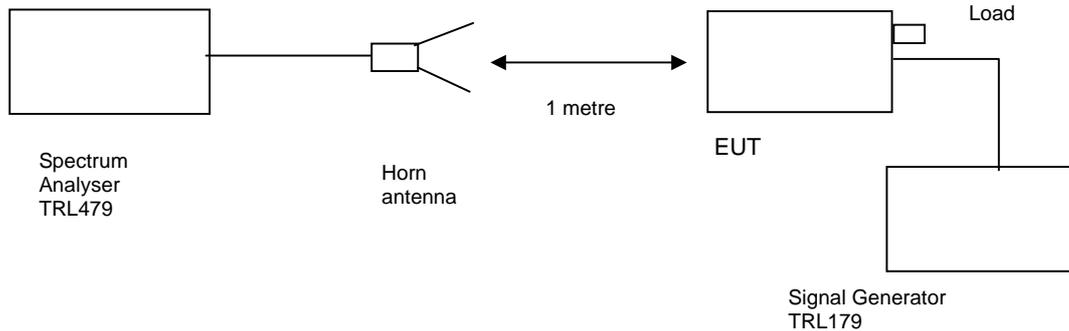


## TRANSMITTER TESTS

### AMPLIFIER SPURIOUS EMISSIONS – RADIATED – Part 2.1053– DOWNLINK

Ambient temperature = 16°C  
 Relative humidity = 39%  
 Conditions = OATS  
 Supply voltage = 110Vac  
 Supply Frequency = 60Hz

Test Signal = F3E



The test was set up as per the diagram. The level at the input was adjusted to compensate for the loss of the interconnecting cable. The unit was tested operating maximum power on three test frequencies with a 50 ohm load on the output. The unit was also tested with the signal generator replaced by another 50ohm load.

The Spurious limit was calculated as follows:

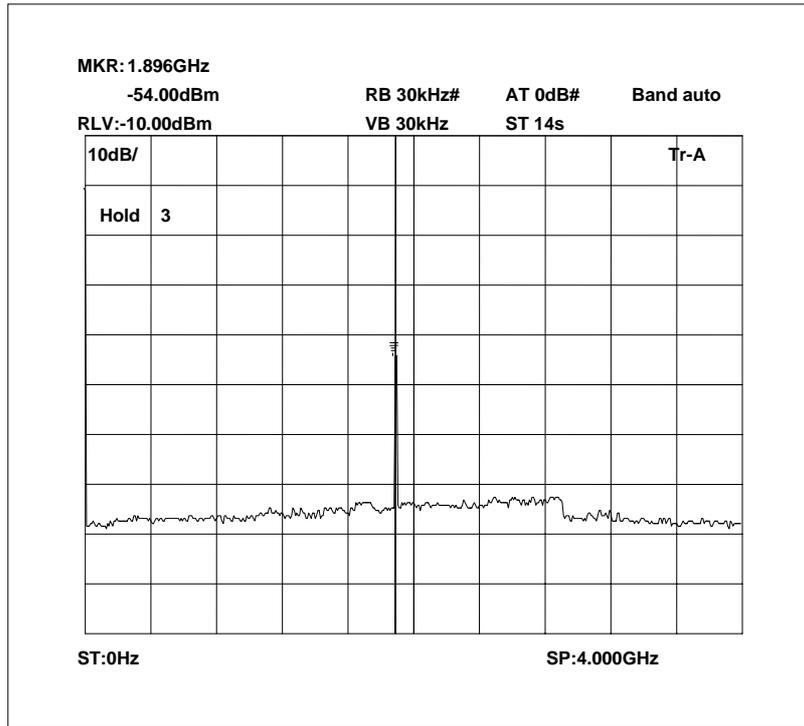
On any frequency removed from the assigned frequency by more that 250% of the authorised bandwidth

At least  $43 + 10 \log \text{PdB}$

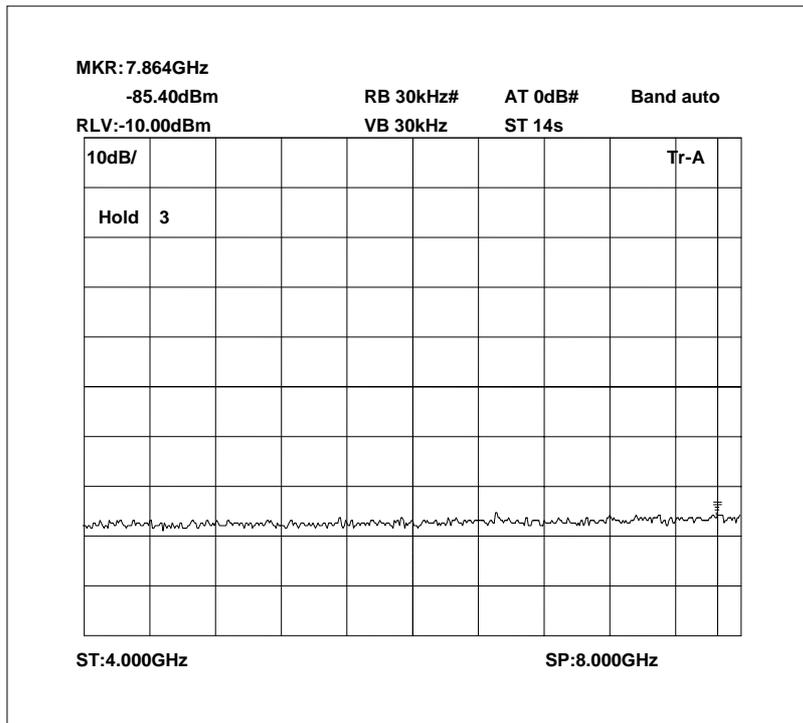
$$(10 \log P_{\text{watts}}) - (43 + 10 \log (P_{\text{watts}} * 1000)) = \text{LIMIT} = -13 \text{ dBm}$$

TYPE OF EQUIPMENT	MAKER/ SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	X
HORN	EMCO	3115	9010-3581	139	X
50 OHM LOAD	PHILCO	160B-300	1643	UH139	X
50 OHM LOAD	RHODE & SCHWARZ	200.0019.55	300804/32	UH227	X
CABLE	ROSENBERGER	MICRO COAX	N/A	280	X
SIGNAL GENERATOR	MARCONI	2042	119388/080	179	X

Radiated emissions 1930.0 MHz 0 Hz – 4000 MHz



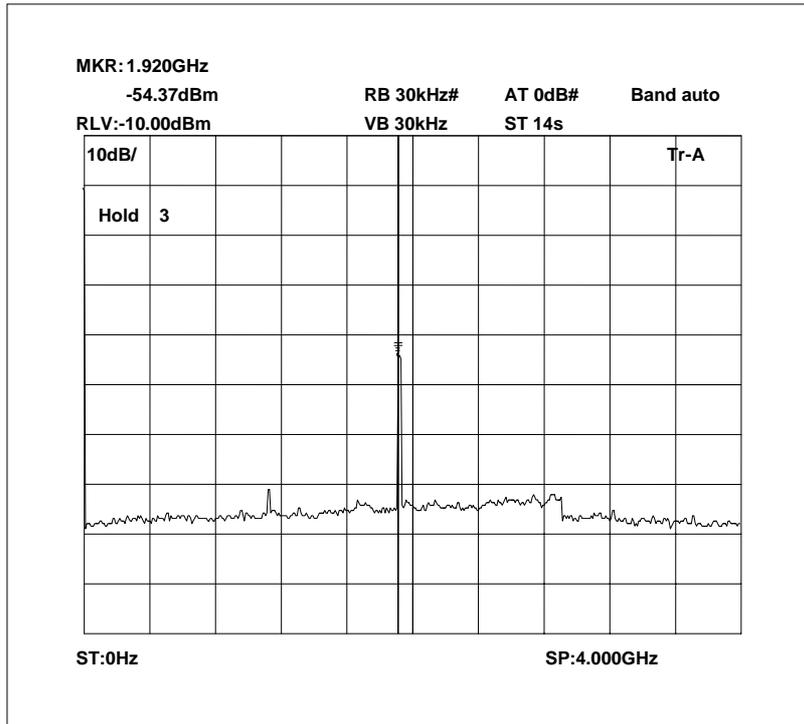
Radiated emissions 1930.0 MHz 4000 MHz – 8000 MHz



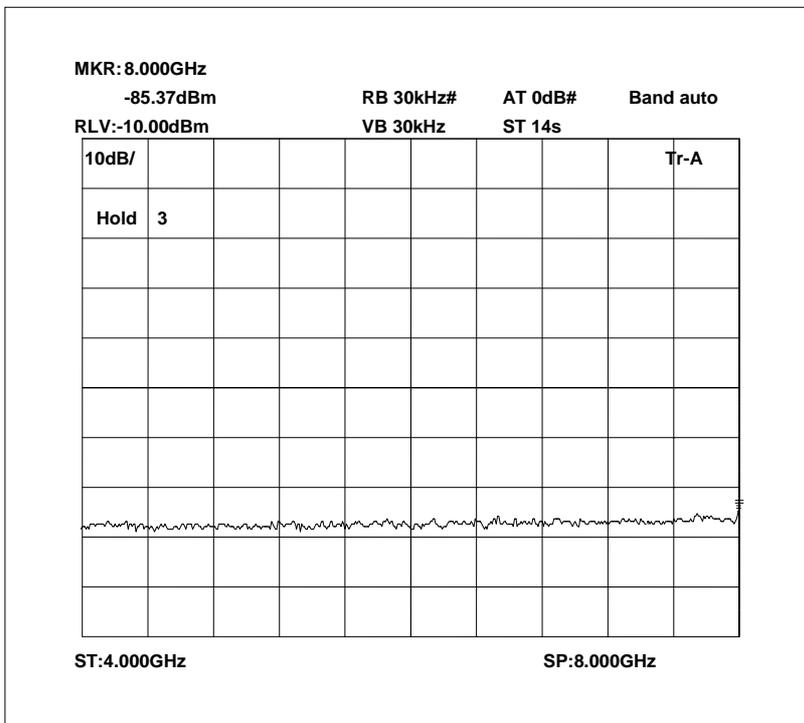




Radiated emissions 1990.0 MHz 0 MHz – 4000 MHz



Radiated emissions 1990.0 MHz 4000 MHz – 8000 MHz

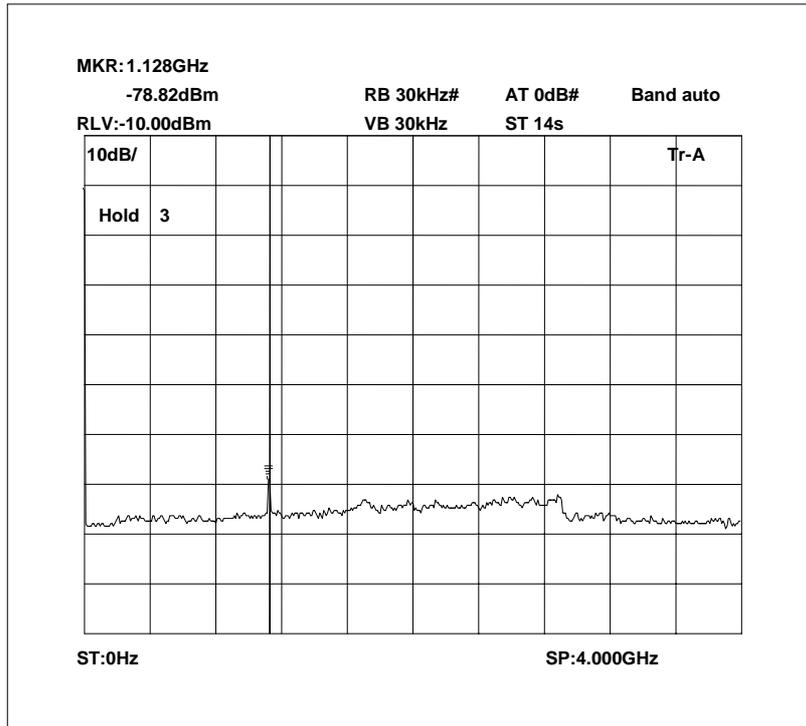




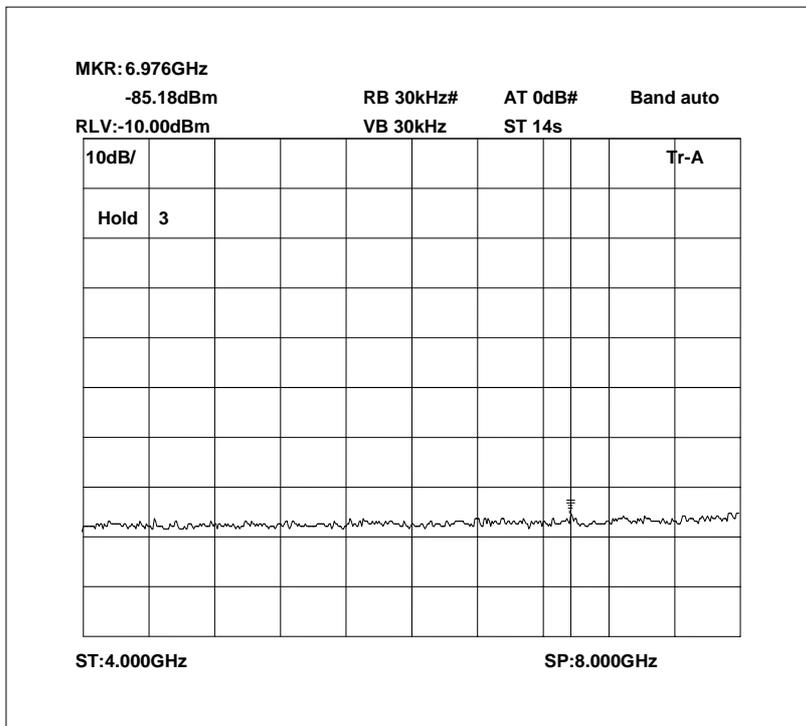




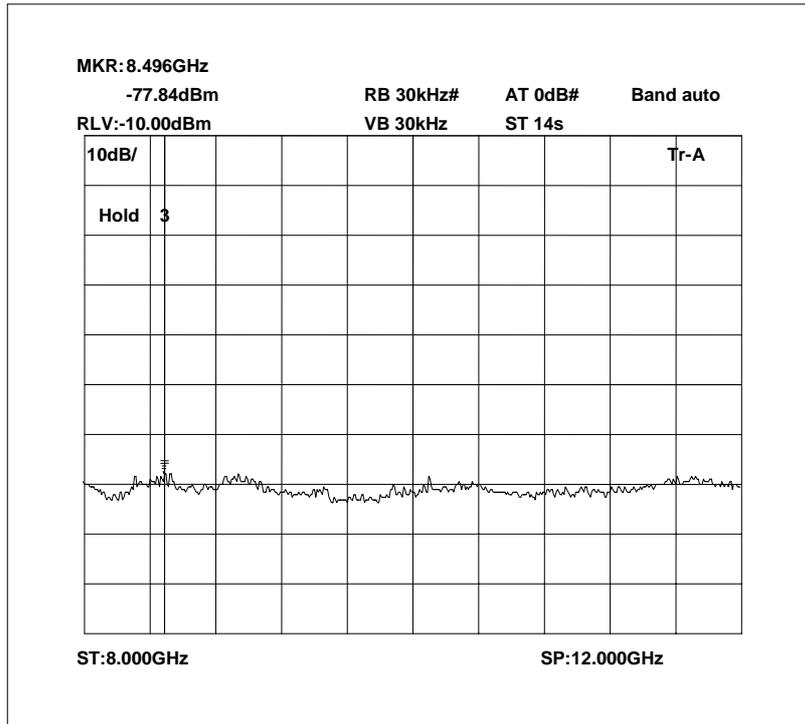
Radiated emissions no input signal 0 Hz - 4000MHz



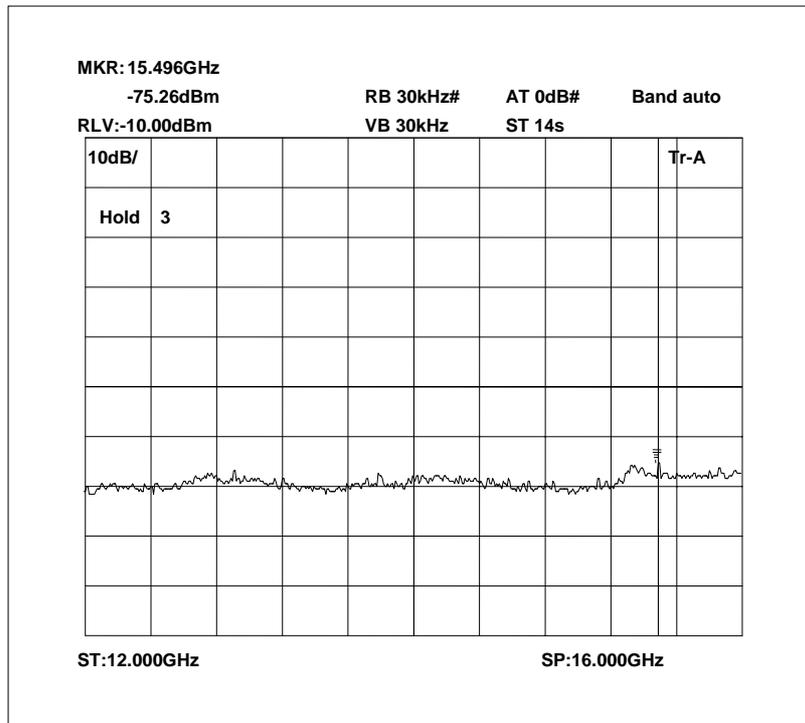
Radiated emissions no input signal 4000MHz - 8000MHz



Radiated emissions no input signal 8000MHz – 12000MHz



Radiated emissions no input signal 12000MHz – 16000MHz





**ANNEX A**  
**PHOTOGRAPHS**

PHOTOGRAPH No. 1

**CONDUCTED TEST SETUP**



PHOTOGRAPH No. 2

**RADIATED TEST SETUP**



**ANNEX B**  
**APPLICANT'S SUBMISSION OF DOCUMENTATION LIST**

### APPLICANT'S SUBMISSION OF DOCUMENTATION LIST

a.	TCB	-	APPLICATION	[X]
		-	FEE	[X]
b.	AGENT'S LETTER OF AUTHORISATION	-		[X]
c.	MODEL(s) vs IDENTITY	-		[ ]
d.	ALTERNATIVE TRADE NAME DECLARATION(s)	-		[ ]
e.	LABELLING	-	PHOTOGRAPHS	[ ]
		-	DECLARATION	[ ]
		-	DRAWINGS	[ ]
f.	TECHNICAL DESCRIPTION	-		[X]
g.	BLOCK DIAGRAMS	-	Tx	[X]
		-	Rx	[ ]
		-	PSU	[ ]
		-	AUX	[ ]
h.	CIRCUIT DIAGRAMS	-	Tx	[ ]
		-	Rx	[ ]
		-	PSU	[ ]
		-	AUX	[ ]
i.	COMPONENT LOCATION	-	Tx	[ ]
		-	Rx	[ ]
		-	PSU	[ ]
		-	AUX	[ ]
j.	PCB TRACK LAYOUT	-	Tx	[ ]
		-	Rx	[ ]
		-	PSU	[ ]
		-	AUX	[ ]
k.	BILL OF MATERIALS	-	Tx	[ ]
		-	Rx	[ ]
		-	PSU	[ ]
		-	AUX	[ ]
l.	USER INSTALLATION / OPERATING INSTRUCTIONS	-		[X]