



TEST REPORT NO: RU1074/4830  
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 ISSUE NO: 1  
 FCC ID: NEO60-0559series

**REPORT ON THE CERTIFICATION TESTING OF A  
 Aerial Facilities Limited  
 BI\_DIRECTIONAL AMPLIFIER SYSTEM (60-055903)  
 WITH RESPECT TO  
 THE FCC RULES CFR 47, PART 90 Subpart L  
 PRIVATE LAND MOBLIE REPEATER**

TEST DATE: 24<sup>th</sup> –30<sup>th</sup> September 2003

TESTED BY: ..... J CHARTERS  
 APPROVED BY: ..... P GREEN  
 PRODUCT MANAGER  
 EMC  
 DATE: .....

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: NEO60-0559series  
PURPOSE OF TEST: CERTIFICATION  
TEST SPECIFICATION: FCC RULES CFR 47, Part 90 Subpart L  
TEST RESULT: Compliant to Specification  
EQUIPMENT UNDER TEST: BI\_DIRECTIONAL AMPLIFIER SYSTEM (60-055903)  
EQUIPMENT TYPE: Private Land Mobile Repeater  
MAXIMUM GAIN: 58dB  
MAXIMUM INPUT: -9dBm  
MAXIMUM OUTPUT: +20dBm  
ANTENNA TYPE: Not applicable  
CHANNEL SPACING: 15kHz  
NUMBER OF CHANNELS:

Channel No.	Uplink	Downlink
1	473.0875MHz	470.0875MHz
2	473.1375MHz	470.1375MHz
3	473.3625MHz	470.3625MHz

FREQUENCY GENERATION: N/A  
MODULATION TYPE: F3E  
POWER SOURCE(s): 115Vac  
TEST DATE(s): 24<sup>th</sup> -30<sup>th</sup> September 2003  
ORDER No(s): 21071

APPLICANT: Aerial Facilities Limited  
ADDRESS: Aerial House  
Latimer Park, Latimer  
Chesham  
Buckinghamshire  
HP5 1TU  
United Kingdom

TESTED BY: ----- J CHARTERS

APPROVED BY: ----- P GREEN  
PRODUCT  
MANAGER EMC



### EQUIPMENT TEST / EXAMINATIONS REQUIRED

1.	TEST/EXAMINATION	RULE PART	APPLICABILITY	RESULT
	RF Power Output	90.205	Yes	Complies
	Audio Frequency Response	TIA EIA-603.3.2.6	N/A	N/A
	Audio Low-Pass Filter Response	TIA EIA-603.3.2.6	N/A	N/A
	Modulation Limiting	TIA EIA-603.3.2.6	N/A	N/A
	Occupied Bandwidth	90.210	Yes	Complies
	Spurious Emissions at Antenna Terminals	90.210	Yes	Complies
	Field Strength of Spurious Emissions	90.210	Yes	Complies
	Frequency Stability	90.213	N/A(note 1)	N/A
	Transient behaviour	90.214	N/A(note 2)	N/A

**Notes:**

1 The EUT does not contain modulation circuitry, therefore the test was not performed.

2 The EUT is not a keyed carrier system, therefore the test was not performed.

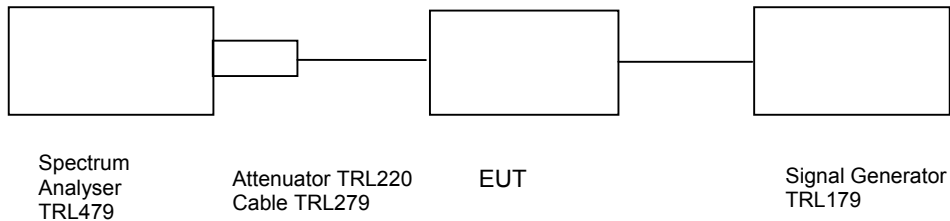
- |  |  |                                  |   |
|--|--|----------------------------------|---|
| 2.   | Product Use:                           | Private Land Mobile Repeater     |   |
| 3.   | Emission Designator:                   | F3E                              |   |
| 4.   | Temperatures:                          | Ambient (Tnom)                   | 21°C                                      |
| 5.   | Supply Voltages:                       | Vnom                             | 115Vac                                    |
| Note: Vnom voltages are as stated above unless otherwise shown on the test report page |  |                                  |   |
| 6.   | Equipment Category:                    | Single channel                   | <input type="checkbox"/>                  |
|  |  | Two channel                      | <input type="checkbox"/>                  |
|  |  | Multi-channel                    | <input checked="" type="checkbox"/>       |
| 7.   | Channel spacing:                       | Narrowband                       | <input checked="" type="checkbox"/> 15kHz |
|  |  | Wideband                         | <input type="checkbox"/>                  |
| 8.   | Test Location:                         | TRL Compliance Services          |   |
|  |  | Up Holland                       | <input checked="" type="checkbox"/>       |
|  |  | Long Green                       | <input type="checkbox"/>                  |
| 9.   | Modifications made during test program | No modifications were performed. |   |

**COMPLIANCE TESTS**

**AMPLIFIER GAIN – CONDUCTED – PART 2.1046 – UPLINK**

Ambient temperature = 21°C  
 Relative humidity = 46%  
 Supply voltage = 115Vac  
 Channel number = See test results

Radio Laboratory



Frequency MHz	Signal Generator input level dBm	Cable & Attenuator loss dB	Level at Spectrum Analyser dBm	Gain dB	Gain after 20dB input level increase dBm
473.0875MHz	-29.1	26.6	-9.28	46.42	46.42
473.1375MHz	-29.1	26.6	-9.0	46.7	46.7
473.3625MHz	-29.1	26.6	-8.95	46.75	46.75

Notes:

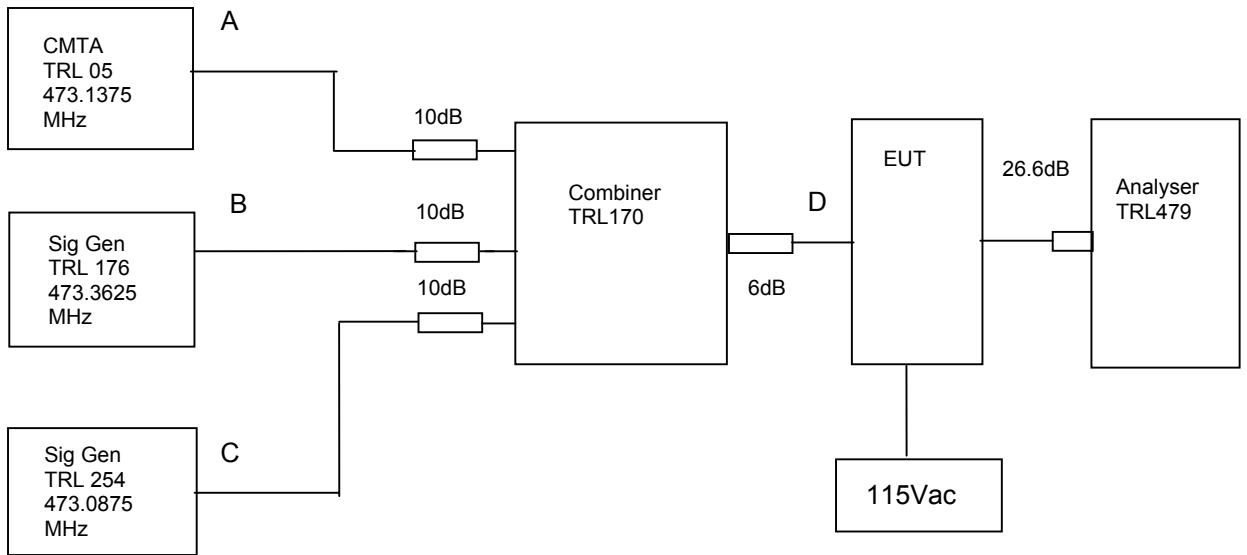
1. The level of the signal generator takes into consideration the loss from the cable.
2. The signal generator input was increased by 20dBs and the level of the output signal re-measured

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>
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCON	2042	119388/080	179	<b>X</b>

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

Ambient temperature = 27°C  
 Relative humidity = 34%  
 Supply voltage = 115Vac

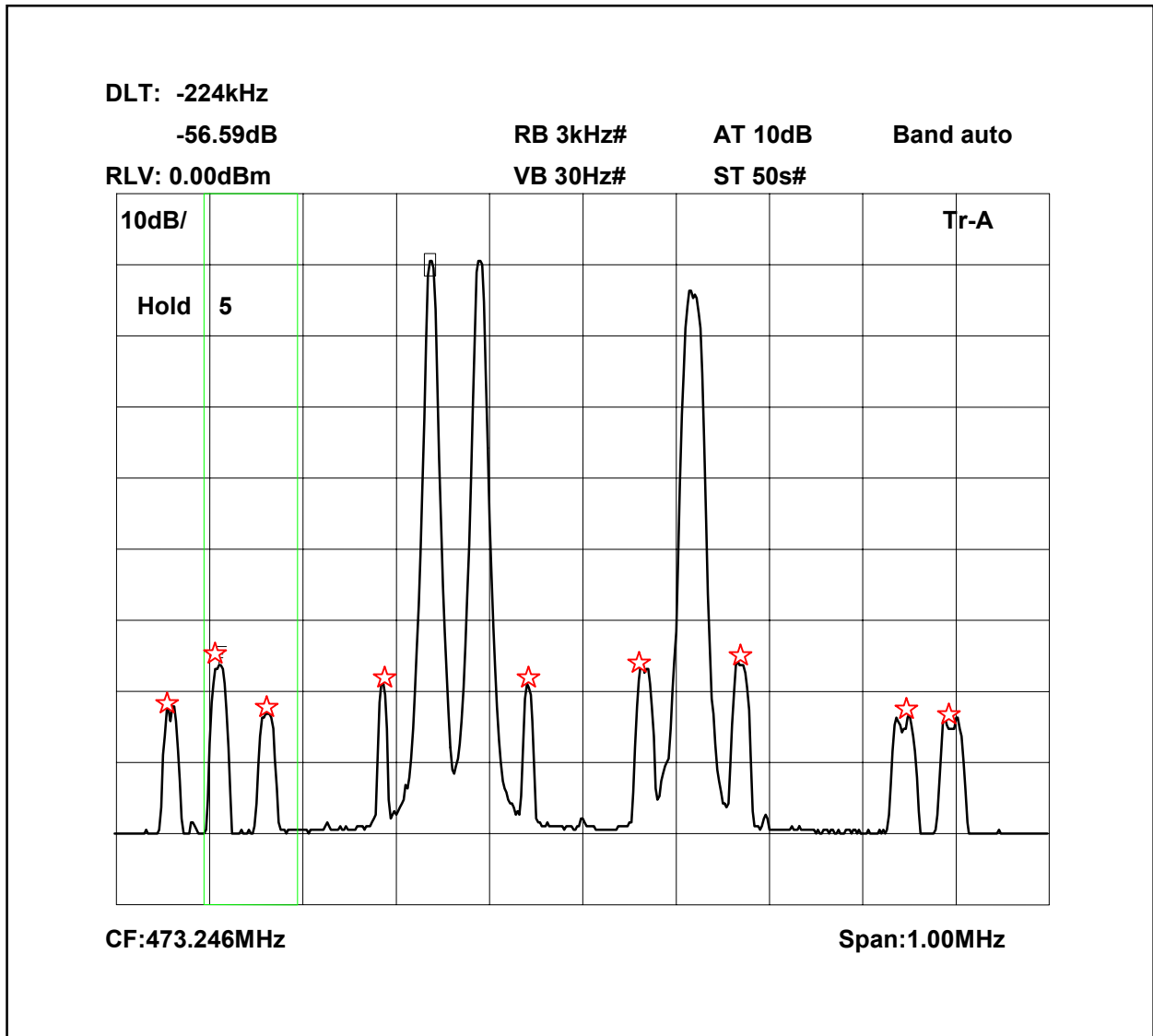
Radio Laboratory




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 -29.1dBm. The cable and attenuator loss between the EUT and the spectrum analyser was 26.6dB.

Sweep data is shown on the next page:

### Intermodulation Inband



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

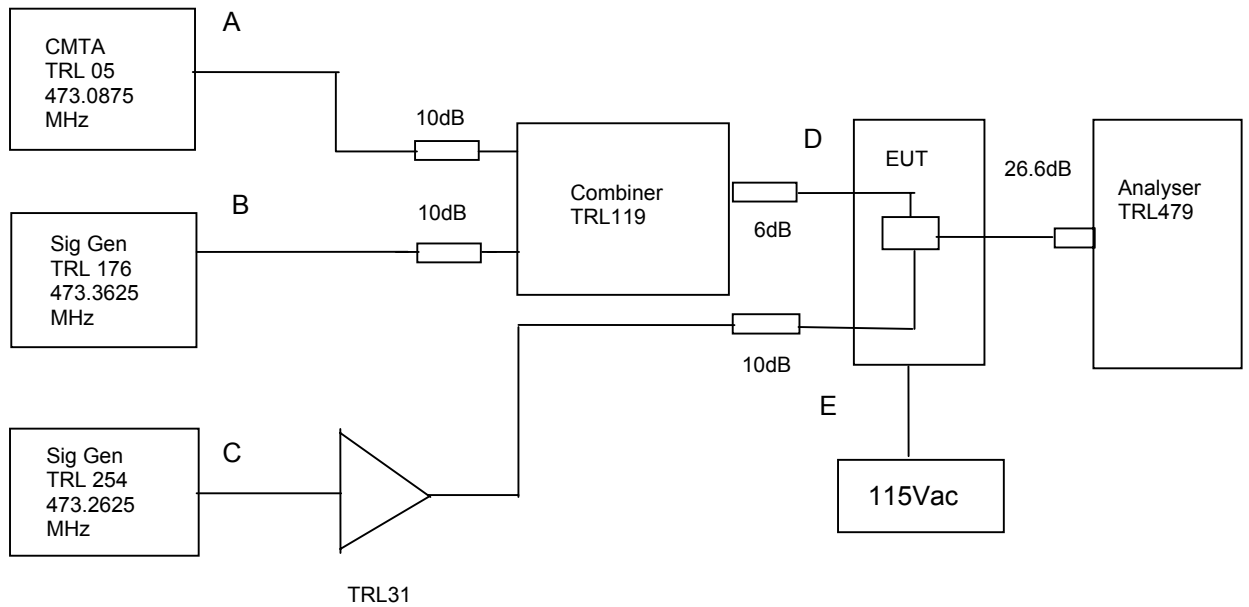




**AMPLIFIER INTERMODULATION SPURIOUS EMISSIONS – CONDUCTED – PART 2.1053– UPLINK-cont.**

Ambient temperature = 27°C  
 Relative humidity = 34%  
 Supply voltage = 115Vac

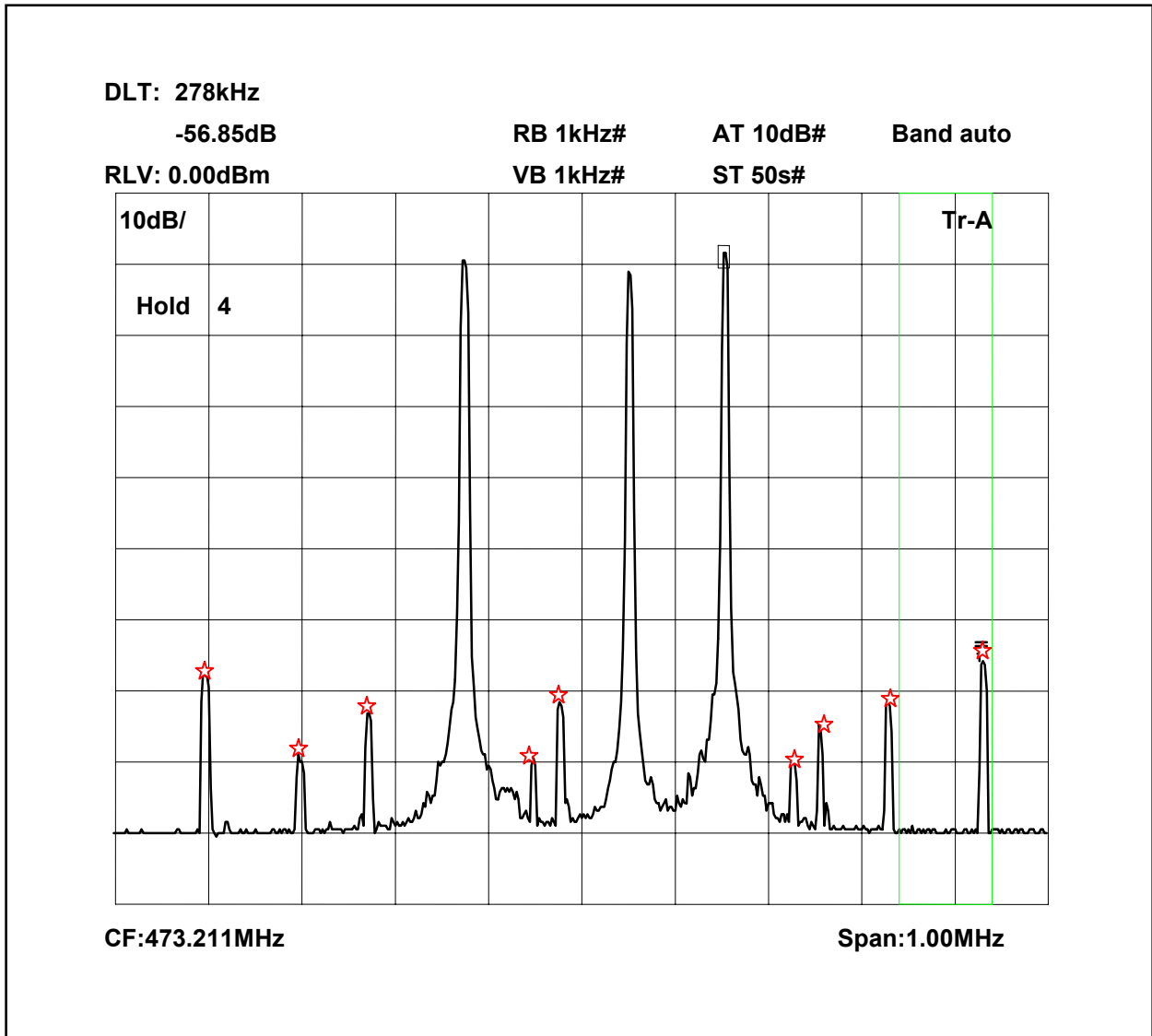
Radio Laboratory



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  $-29.1\text{dBm}$ . The input power level was adjusted so the level at E was  $20\text{dBm}$ . This is representative of a signal coming from another amplifier within the system. (See appendix C system block diagram.) The cable and attenuator loss between the EUT and the spectrum analyser was  $26.6\text{dB}$ .

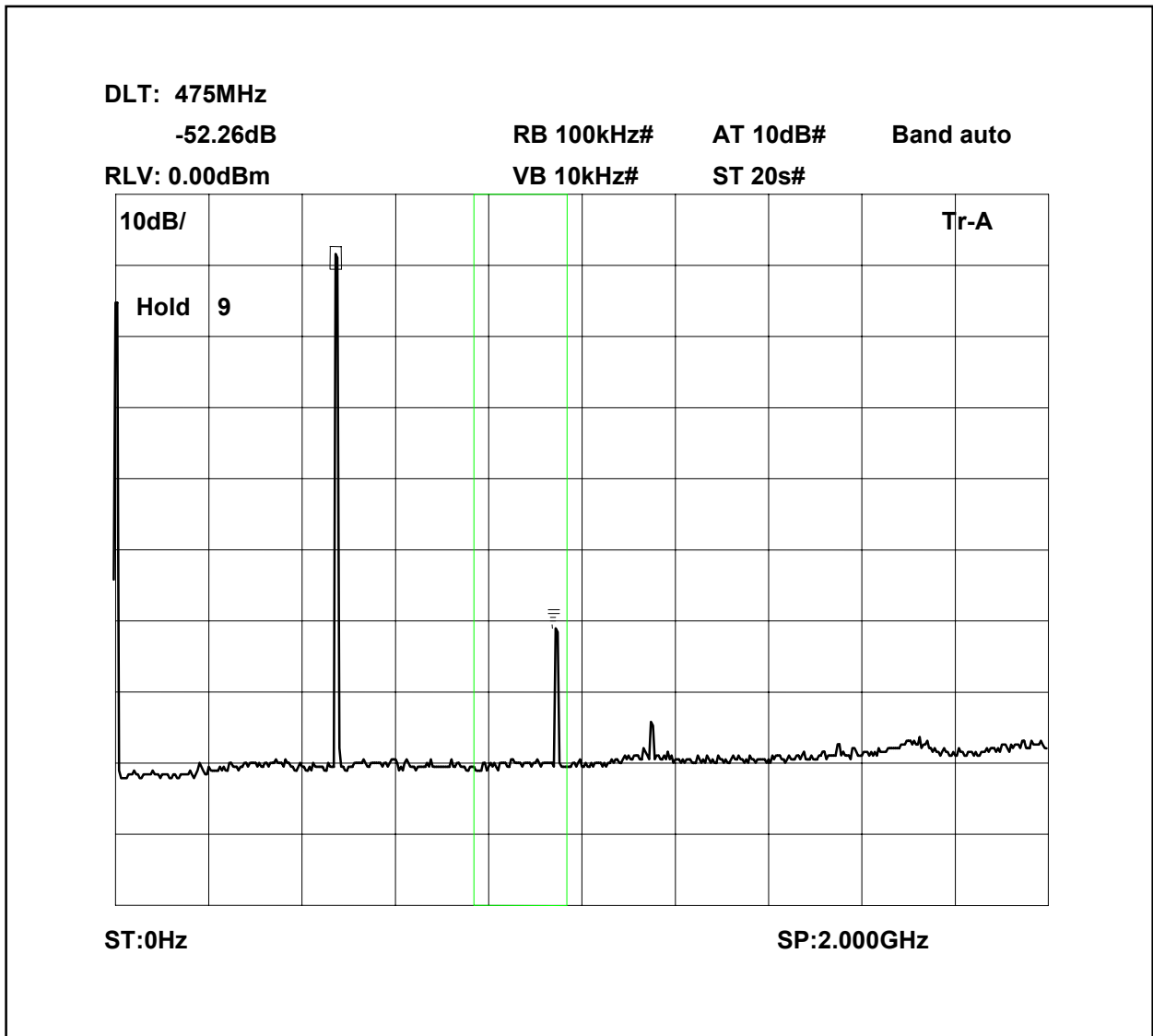
Sweep data is shown on the next page:

### Intermodulation Inband



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

Intermodulation Wideband

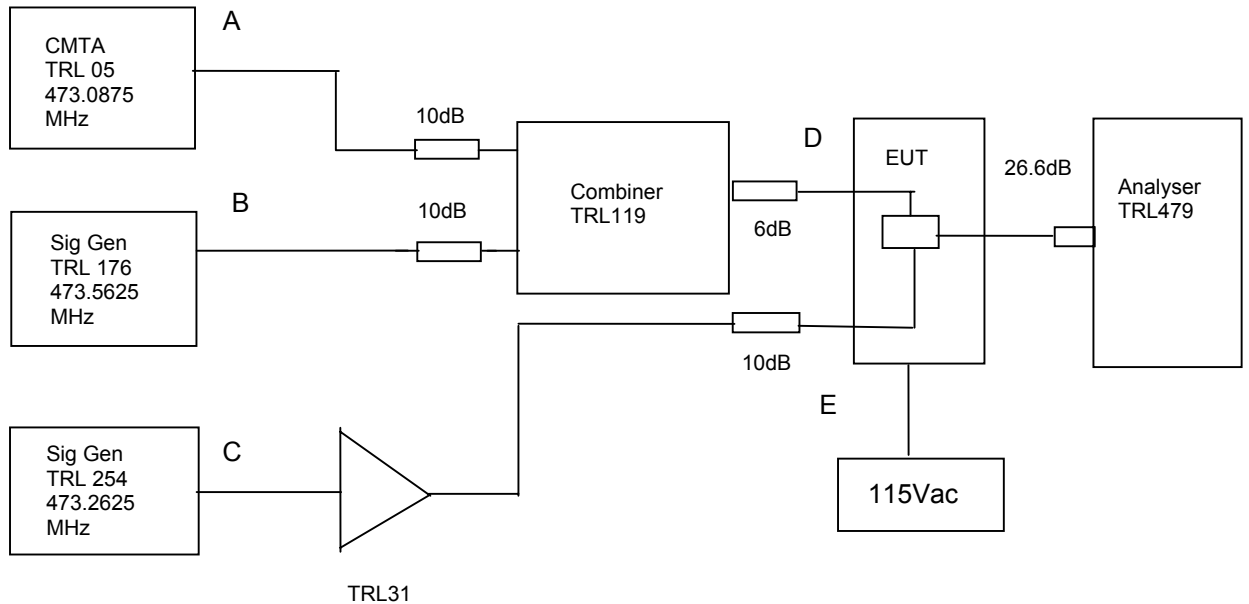


The above plot shows that there are no products outside the bands.

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

Ambient temperature = 27°C  
 Relative humidity = 34%  
 Supply voltage = 115Vac

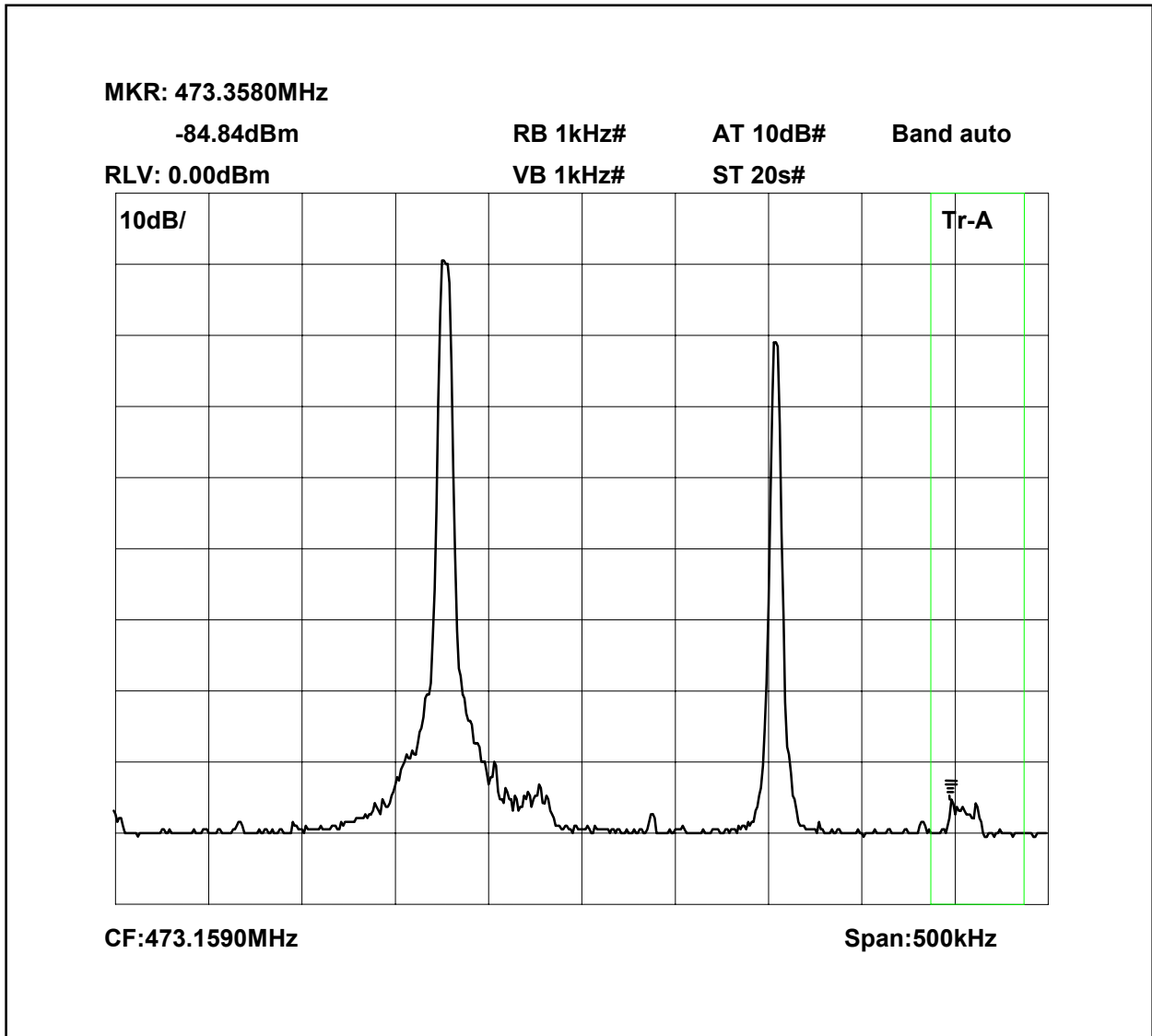
Radio Laboratory



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  $-29.1\text{dBm}$ . The input power level was adjusted so the level at E was  $20\text{dBm}$ . This is representative of a signal coming from another amplifier within the system. (See appendix C system block diagram.) The cable and attenuator loss between the EUT and the spectrum analyser was  $26.6\text{dB}$ .

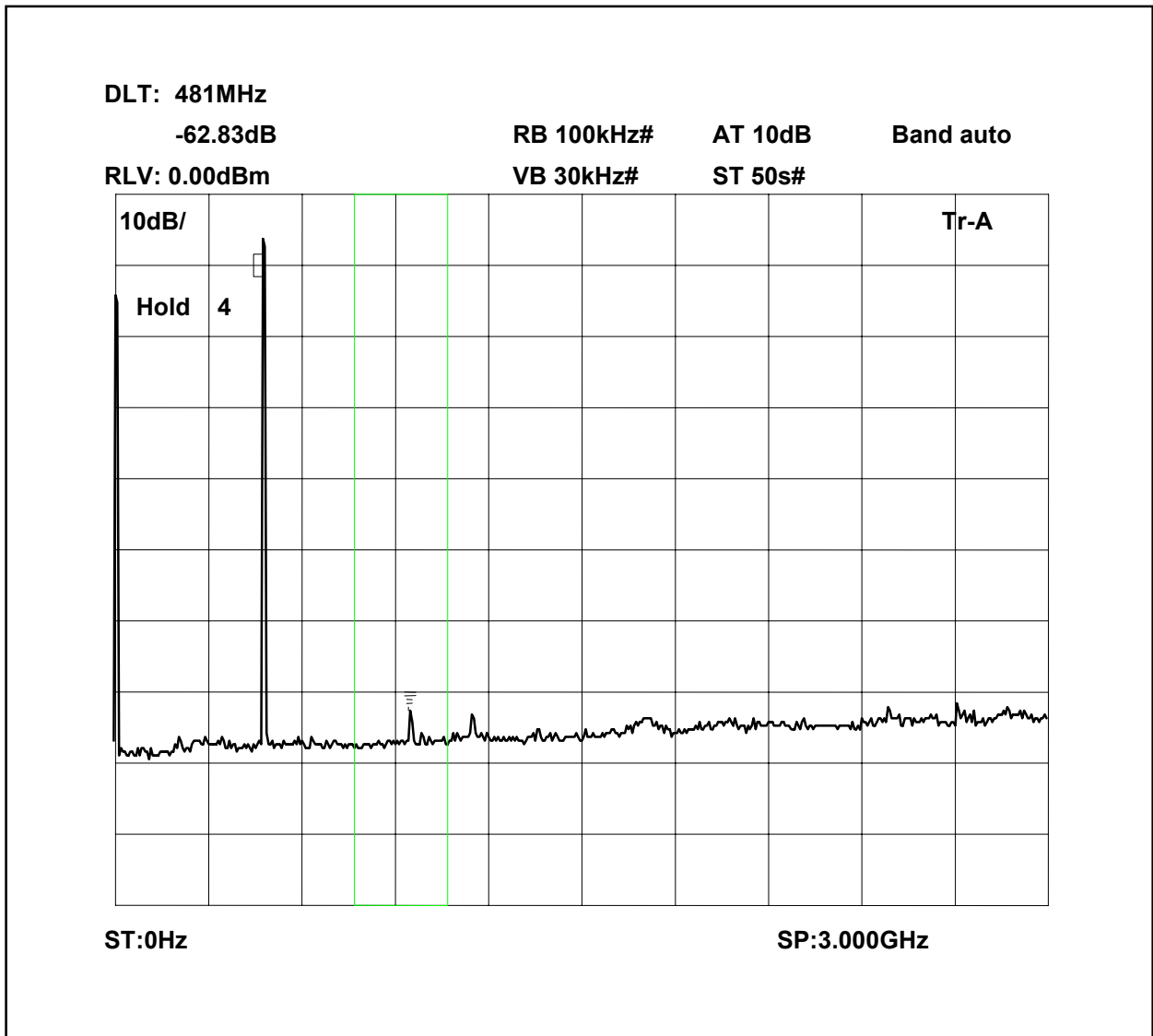
Sweep data is shown on the next page:

Intermodulation Inband



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

Intermodulation Wideband



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

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	MARCON	2042	119562/02	254	<b>X</b>
CMTA	ROHDE & SCHWARZ	CMTA52	894715/033	05	<b>X</b>
SIGNAL GENERATOR	MARCON	2042	119388/080	179	<b>X</b>
AMPLIFIER	ENI	6032	1240	31	<b>X</b>
COMBINER	ELCOM	RC-3-50	N/A	119	<b>X</b>
COMBINER	ELCOM	RC-4-50	N/A	170	<b>X</b>

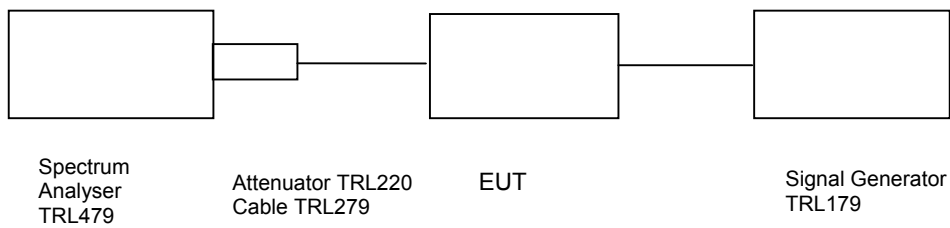


## TRANSMITTER TESTS

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

Ambient temperature = 21°C  
Relative humidity = 46%  
Supply voltage = 115Vac  
Channel number = See test results

Radio Laboratory

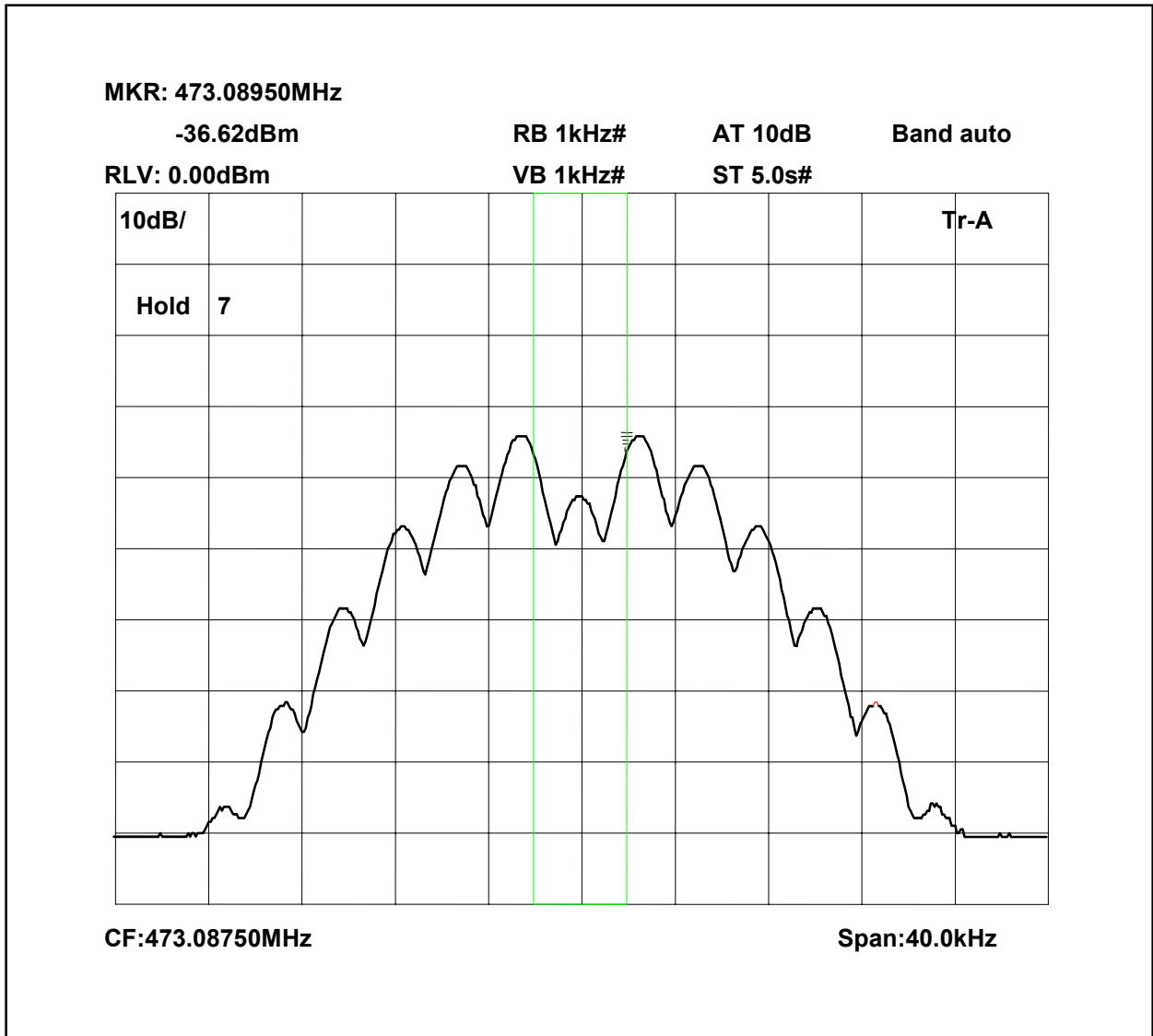


This test was performed to show that the amplifier does not alter the input signal in any way. The input signal was set to the maximum input level (-29.1dBm) and modulated with a 2500Hz tone. The plots show the signal measured at the signal generator and the signal measured at the output of the EUT.

Note: The cables and attenuators had the following losses.

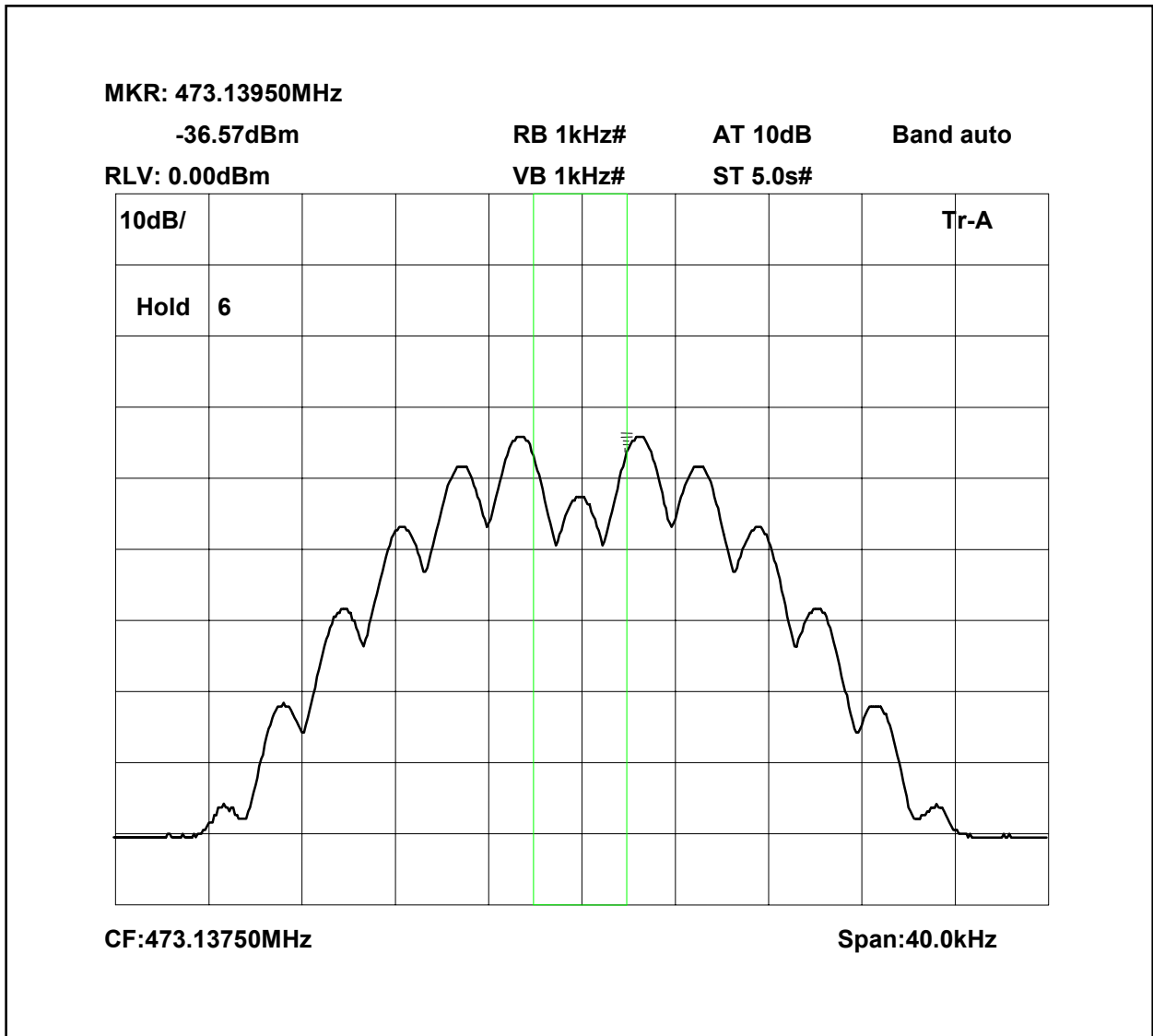
1. Cable TRL279 and attenuator TRL220 26.6dB
2. Cable between signal generator and EUT 0.4dB

473.0875MHz Signal Generator deviation set to 5kHz

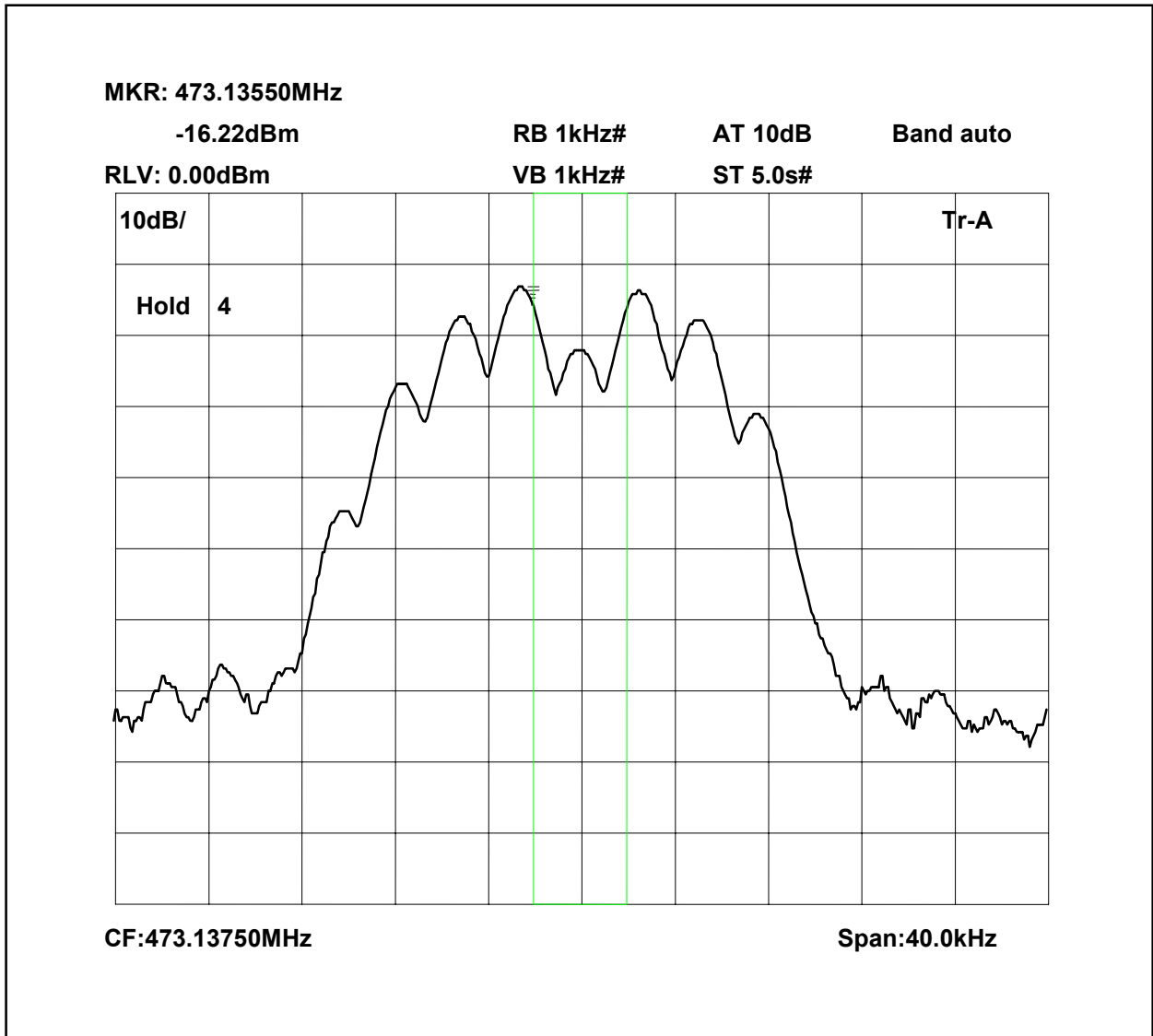




473.1375MHz Signal Generator deviation set to 5kHz

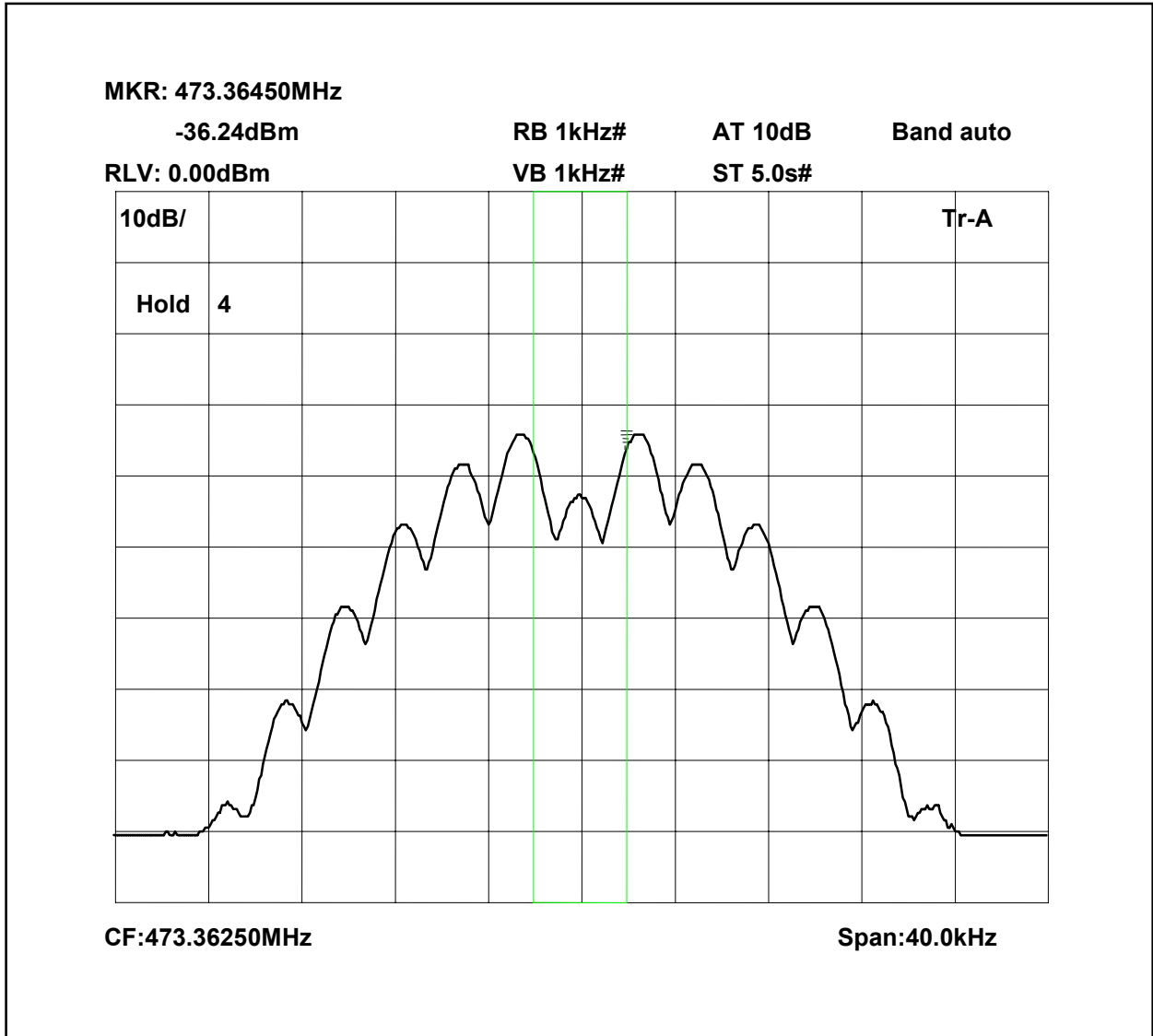


473.1375MHz Signal Generator and amplifier deviation set to 5kHz



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

473.3625MHz Signal Generator deviation set to 5kHz





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>
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCON	2042	119388/080	179	<b>X</b>

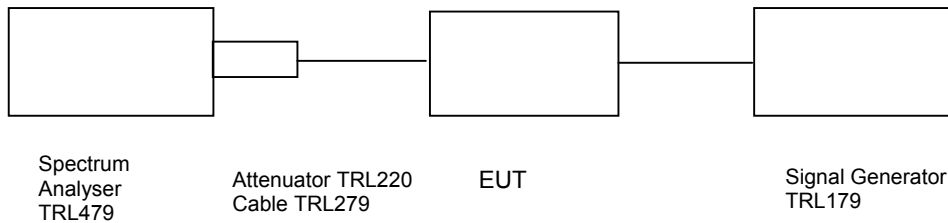


**TRANSMITTER TESTS**

**AMPLIFIER SPURIOUS EMISSIONS – CONDUCTED – Part 2.1051– UPLINK**

Ambient temperature = 21°C  
 Relative humidity = 46%  
 Supply voltage = 115Vac

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

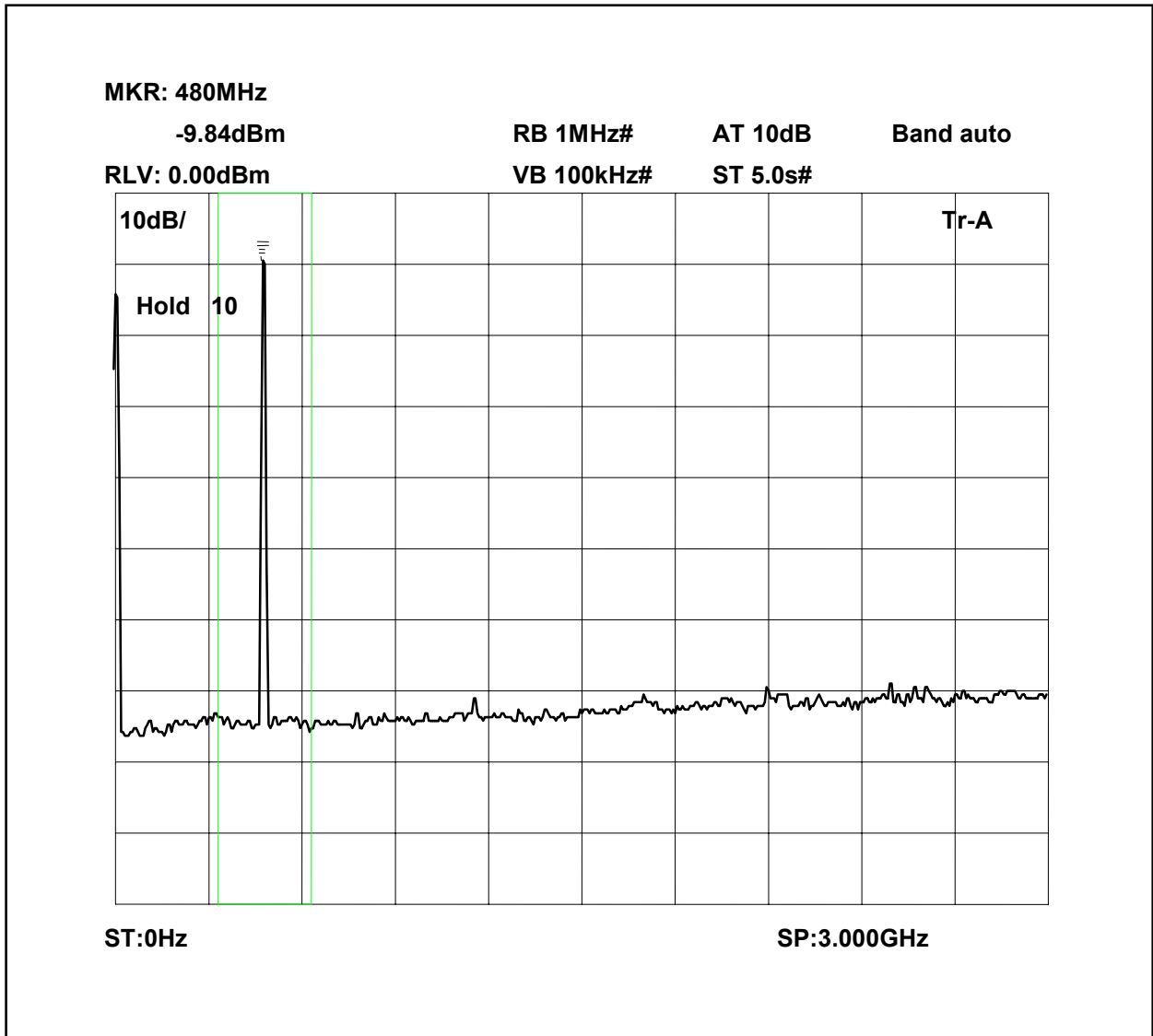
At least 43 + 10 log PdB

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

The test equipment used for the Transmitter Conducted Emissions:

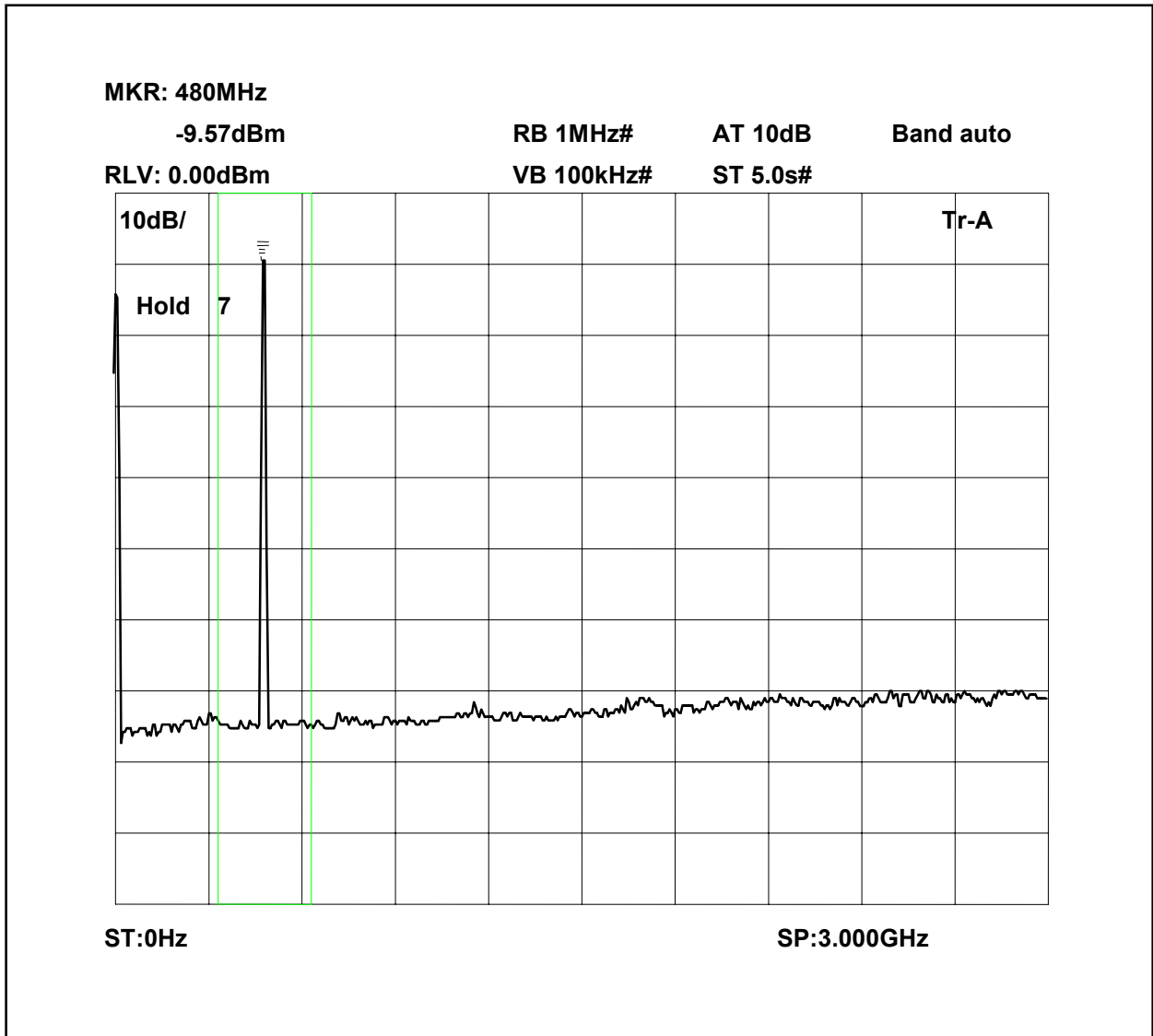
TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
ATTENUATOR	BIRD	8304-300-N	N/A	220	<b>X</b>
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCON	2042	119388/080	179	<b>X</b>

Conducted emissions 473.0875MHz 0 - 3GHz

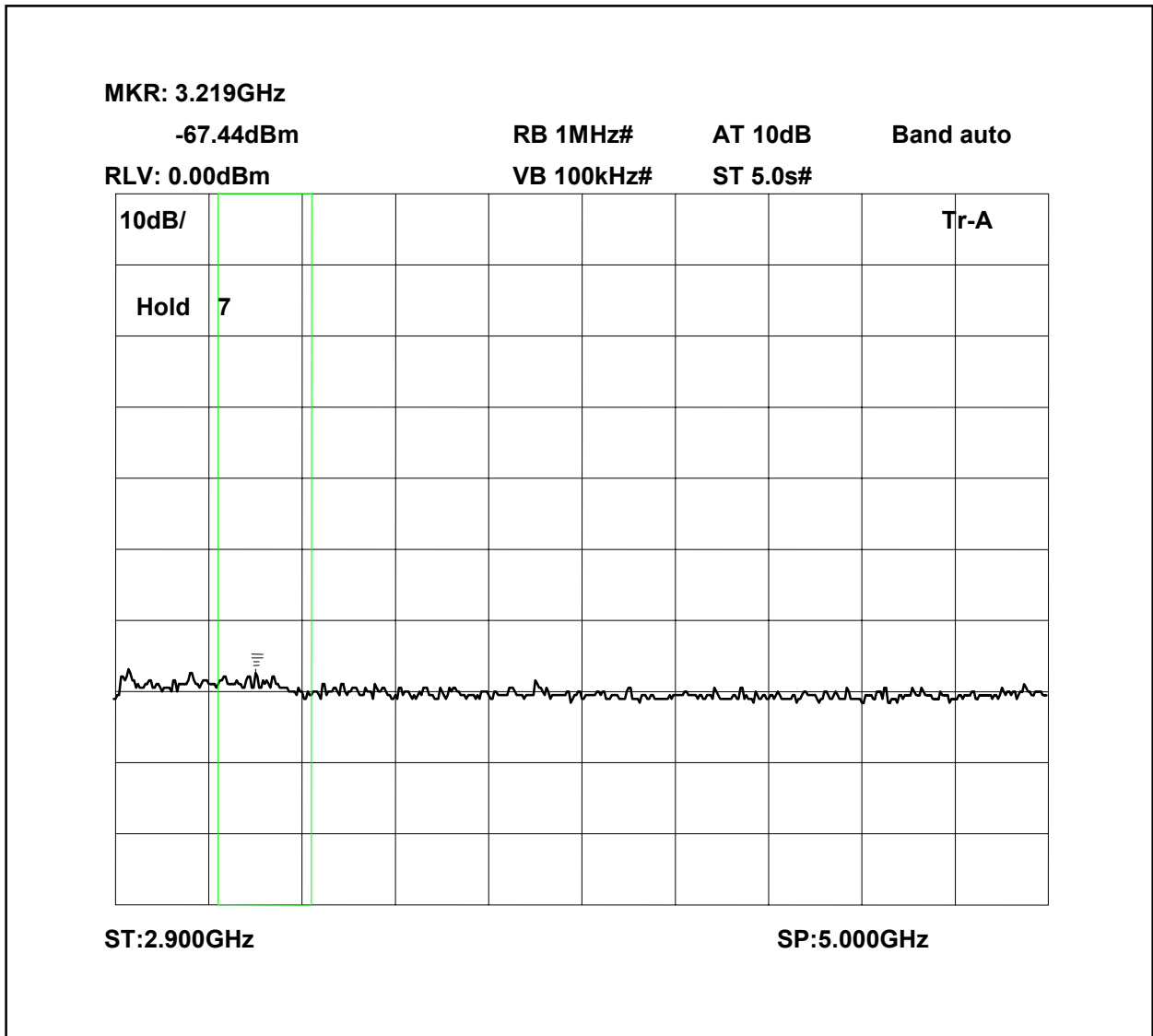




Conducted emissions 473.1375MHz 0 - 3GHz

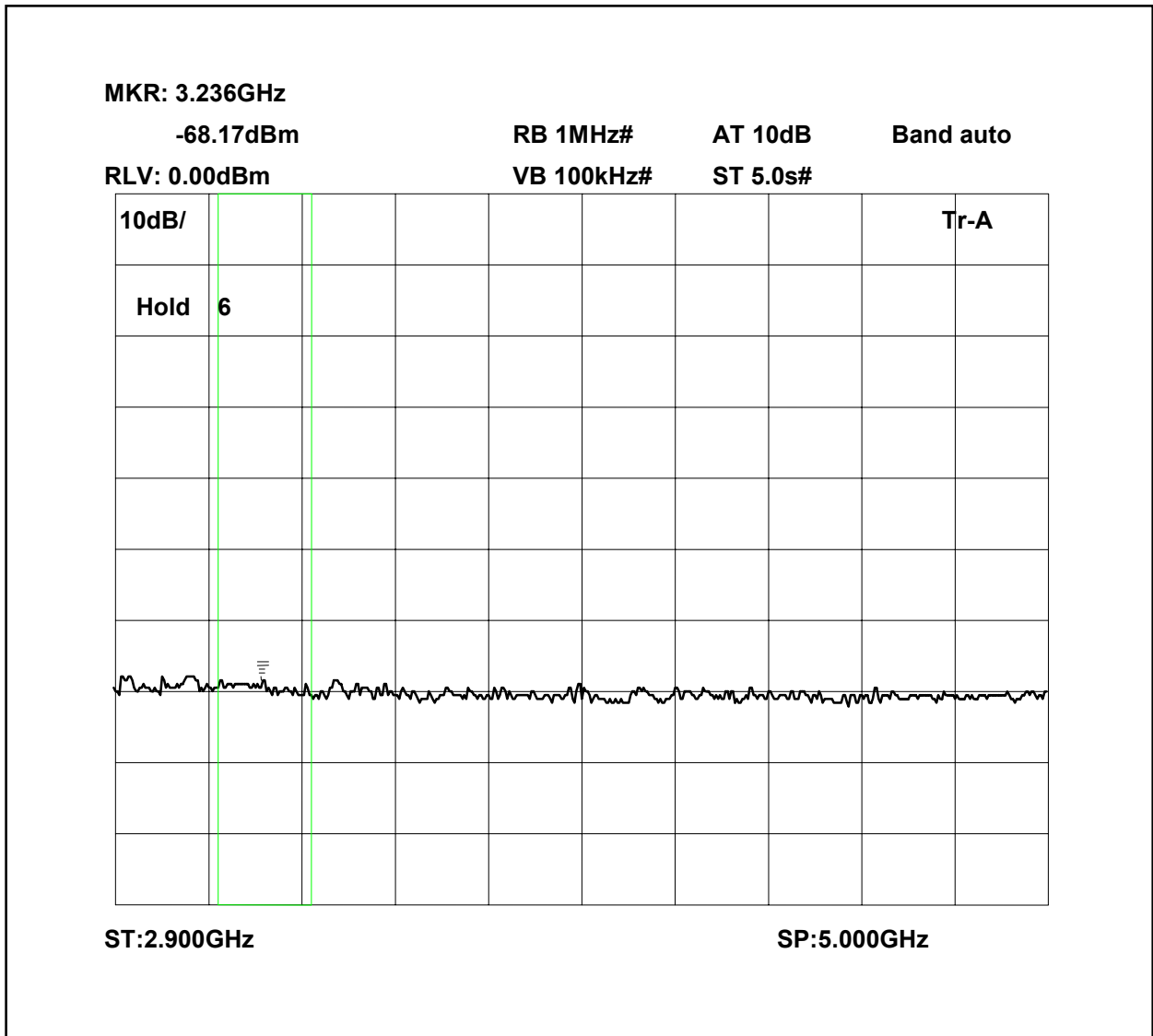


Conducted emissions 473.1375MHz 2.9 - 5GHz





Conducted emissions 473.3625MHz 2.9 - 5GHz

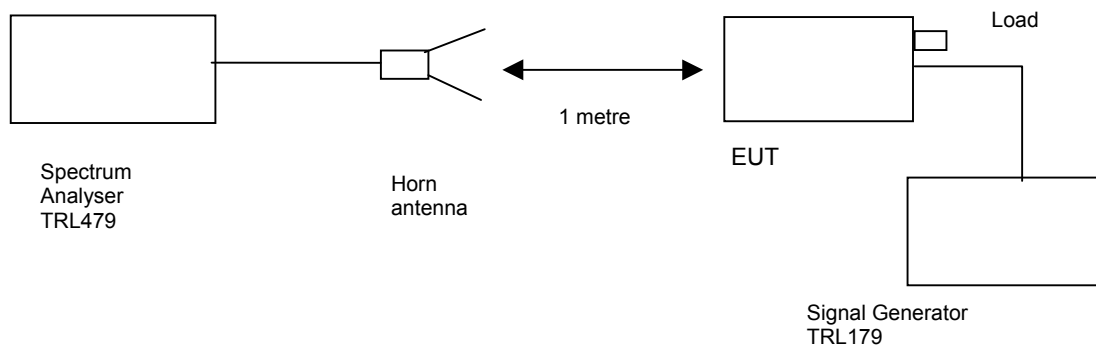


## TRANSMITTER TESTS

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

Ambient temperature = 17°C  
Relative humidity = 50%  
Conditions = OATS  
Supply voltage = 115Vac  
Supply Frequency = N/A

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:

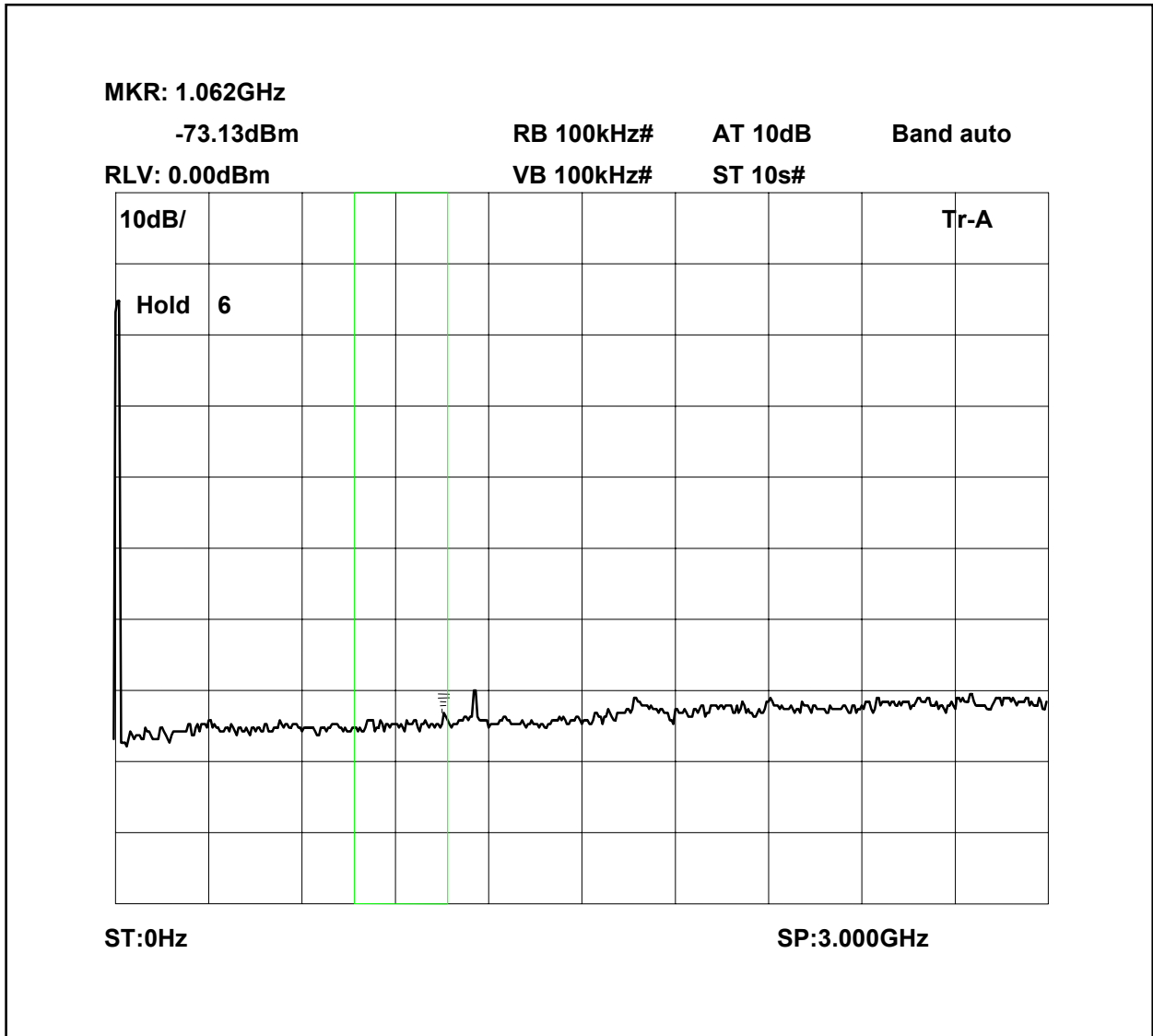
On any frequency removed from the assigned frequency by more that 250% of the authorised bandwidth

At least 43 + 10 log PdB

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



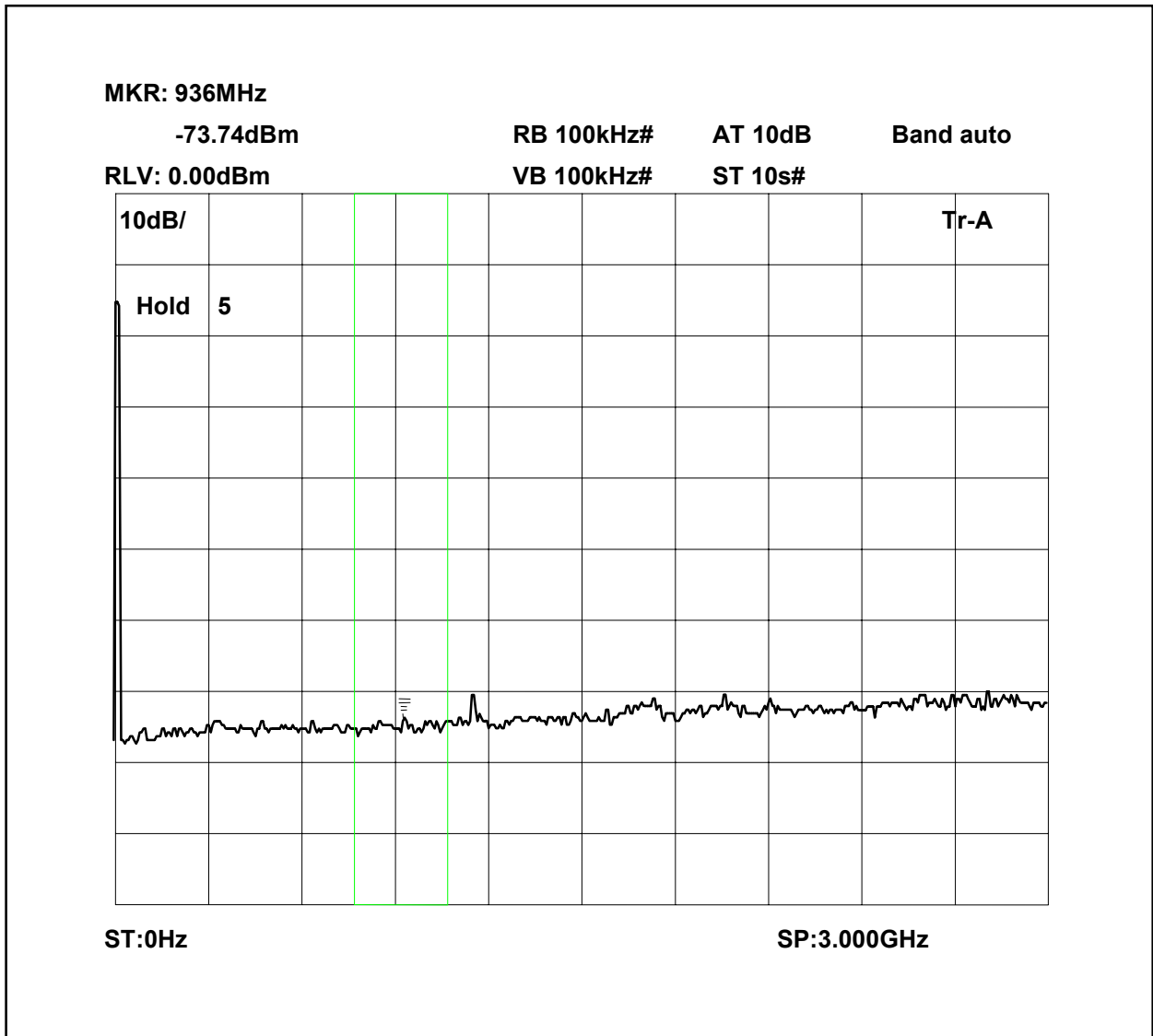
Radiated emissions 473.0875MHz 0-3GHz



The above test results show that there were no emissions within 20dBs of the -13dBm limit.



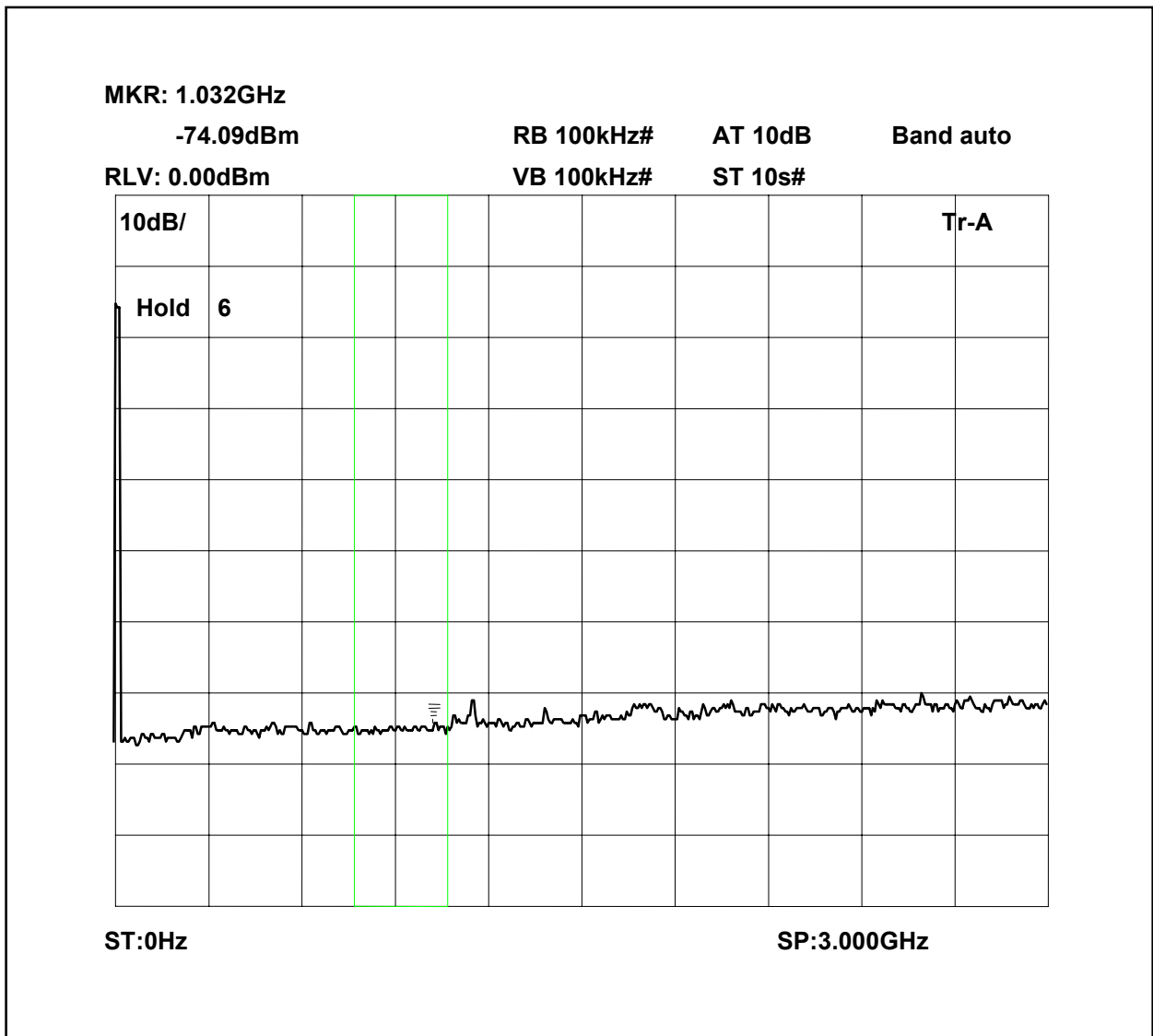
Radiated emissions 473.1375MHz 0-3GHz



The above test results show that there were no emissions within 20dBs of the -13dBm limit.

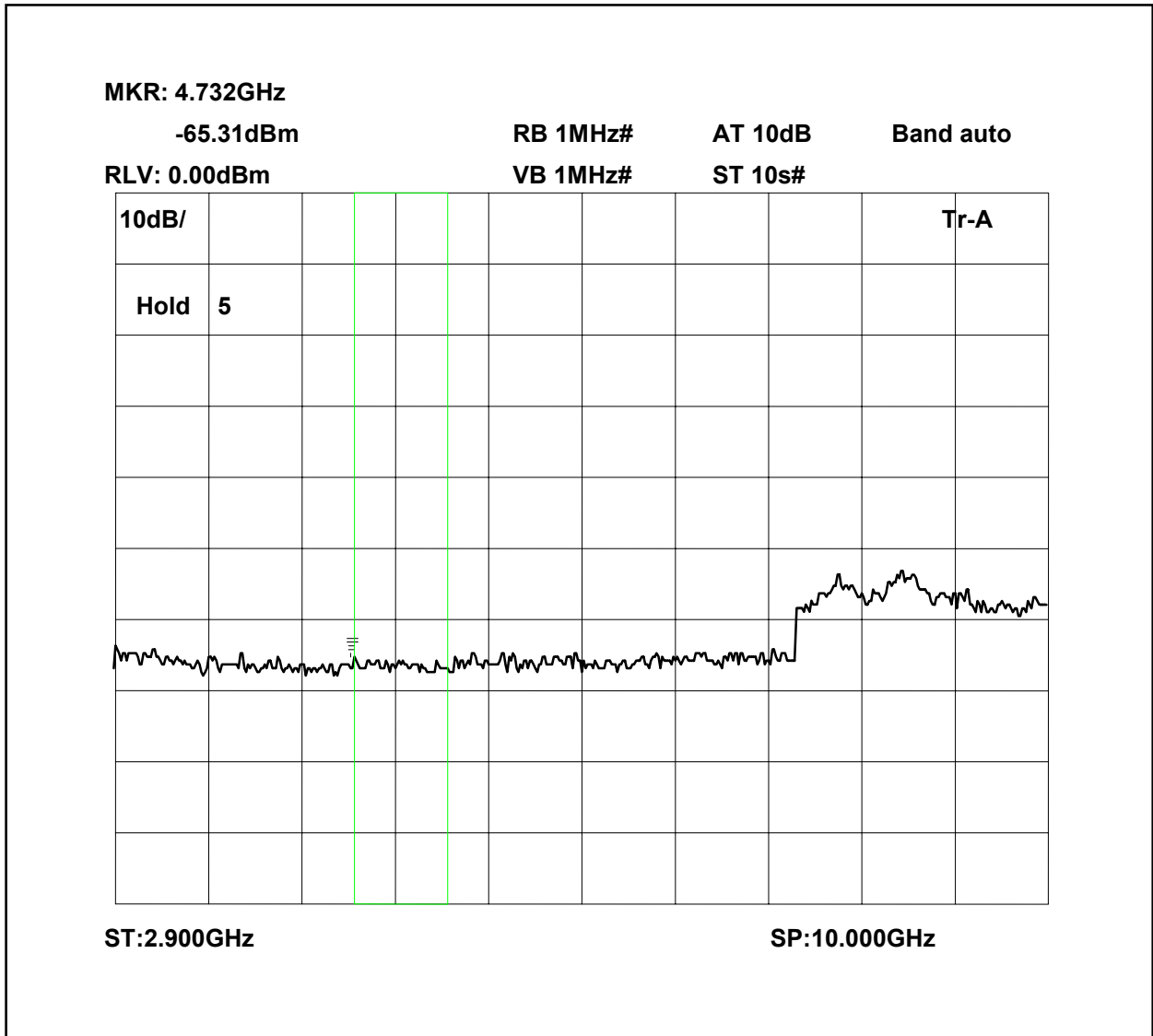


Radiated emissions 473.3625MHz 0-3GHz



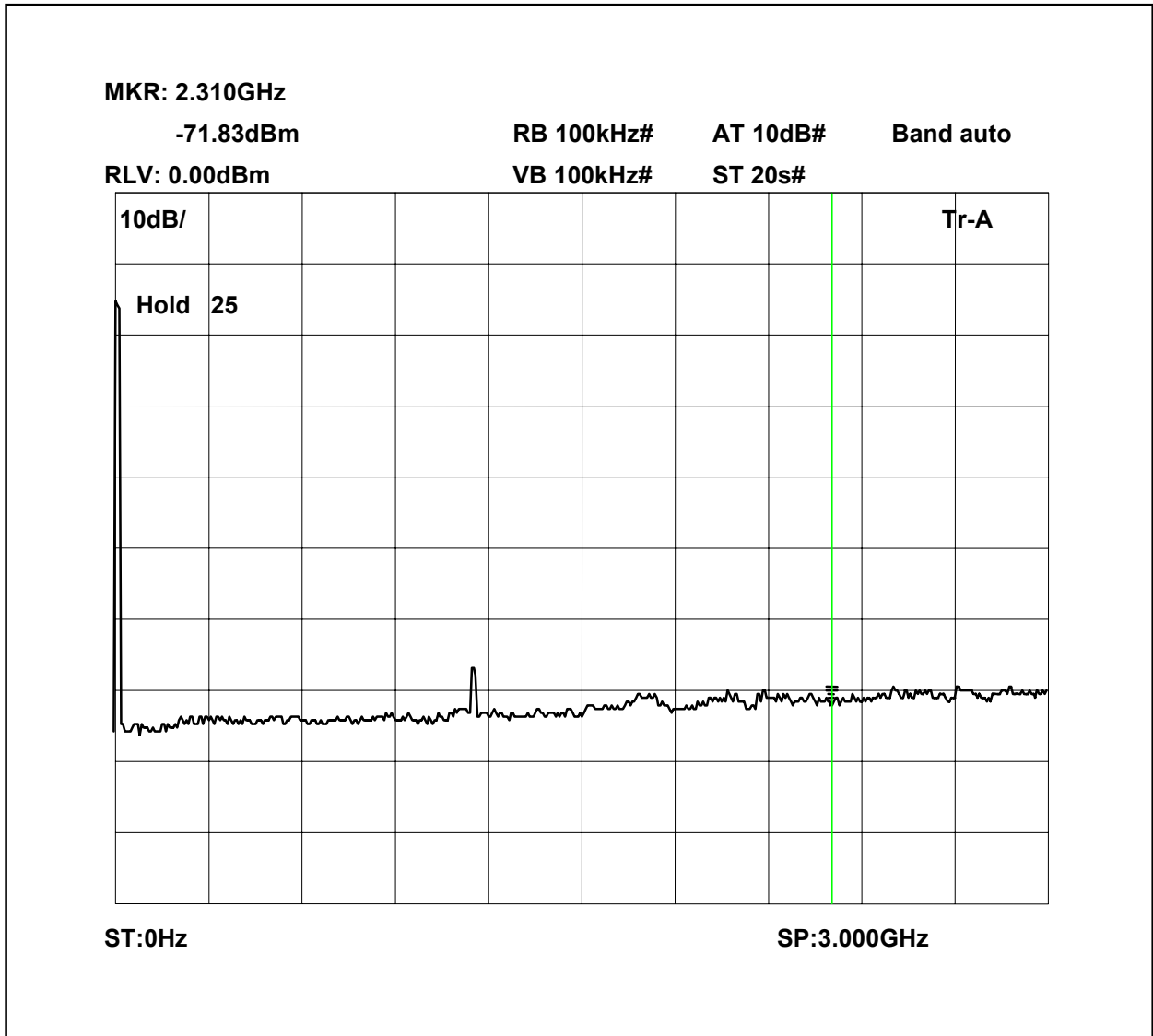
The above test results show that there were no emissions within 20dBs of the -13dBm limit.

Radiated emissions 473.3625MHz 2.9-10GHz



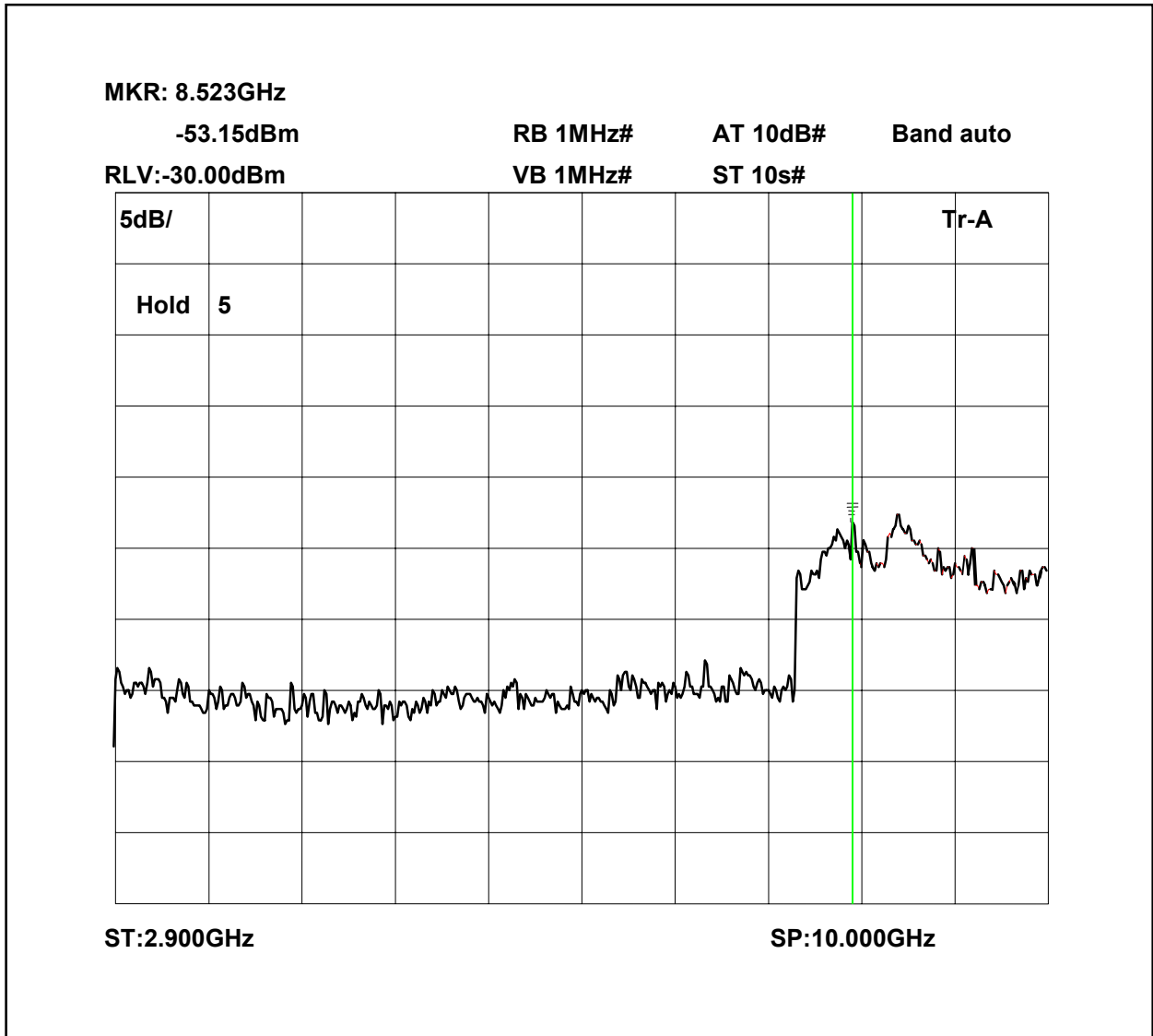
The above test results show that there were no emissions within 20dBs of the -13dBm limit.

Radiated emissions no input signal 0-3GHz



The above test results show that there were no emissions within 20dBs of the -13dBm limit.

Radiated emissions no input signal 2.9-10GHz



The above test results show that there were no emissions within 20dBs of the -13dBm limit.



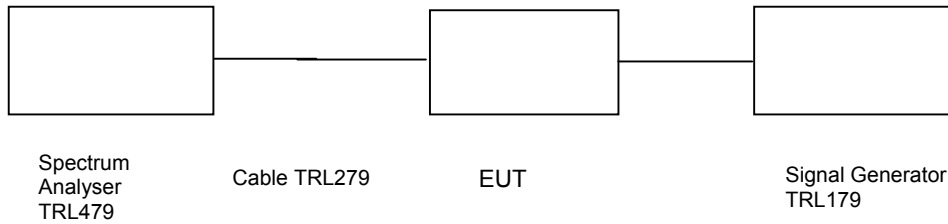
The test equipment used for the Transmitter Spurious Emissions:

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
HORN	EMCO	3115	9010-3581	139	<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	MARCON	2042	119388/080	179	<b>X</b>

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

Ambient temperature = 23°C  
 Relative humidity = 35%  
 Supply voltage = 115Vac  
 Channel number = See test results

Radio Laboratory



Frequency MHz	Signal Generator input level dBm	Cable & Attenuator loss dB	Level at Spectrum Analyser dBm	Gain dB	Gain after 20dB input level increase dBm
470.0875	-62.6	0.5	-3.9	58.7	58.7
470.1375	-62.3	0.5	-4.9	57.4	57.4
470.3625	-61.9	0.5	-4.3	57.6	57.6

Notes:

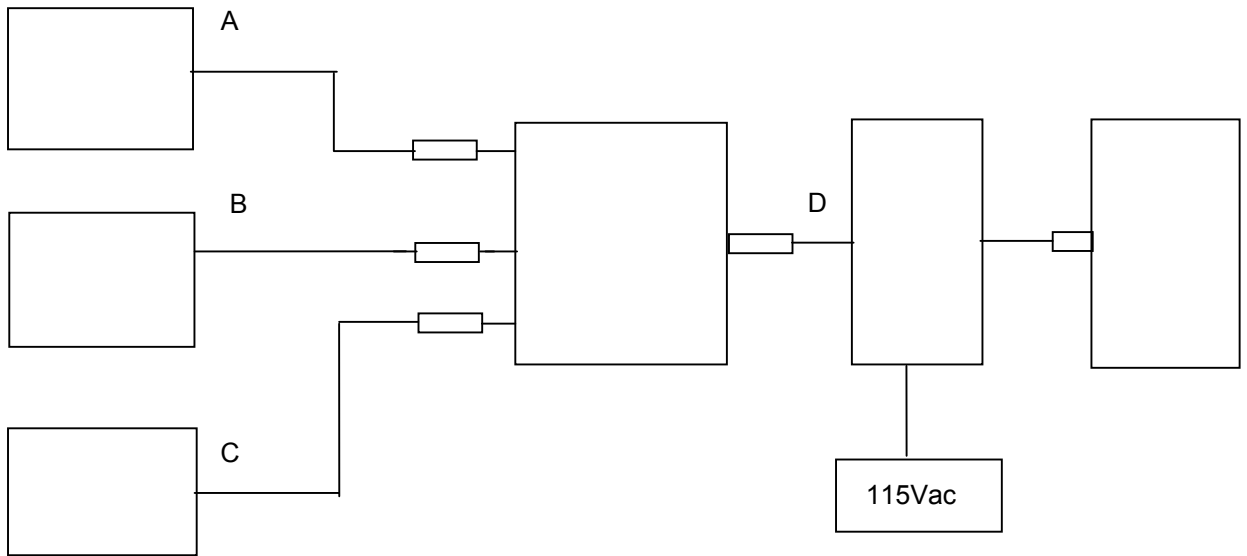
1. The level of the signal generator takes into consideration the loss from the cable.
2. The signal generator input was increased by 20dBs and the level of the output signal re-measured

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	
ATTENUATOR	BIRD	8304-300-N	N/A	220	
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCON	2042	119388/080	179	<b>X</b>

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

Ambient temperature = N/A  
Relative humidity = N/A  
Supply voltage = 115Vac

Radio Laboratory



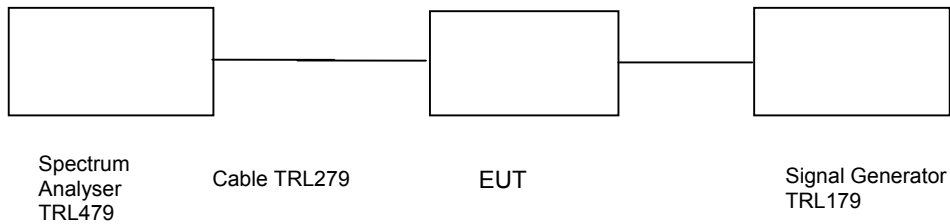
The Intermodulation was deemed not appropriate to the downlink part of the amplifier as the output of the amplifier feeds into an RF to optical converter. See annex C system diagram.

## TRANSMITTER TESTS

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

Ambient temperature = 21°C  
Relative humidity = 47%  
Supply voltage = 115Vac  
Channel number = See test results

Radio Laboratory

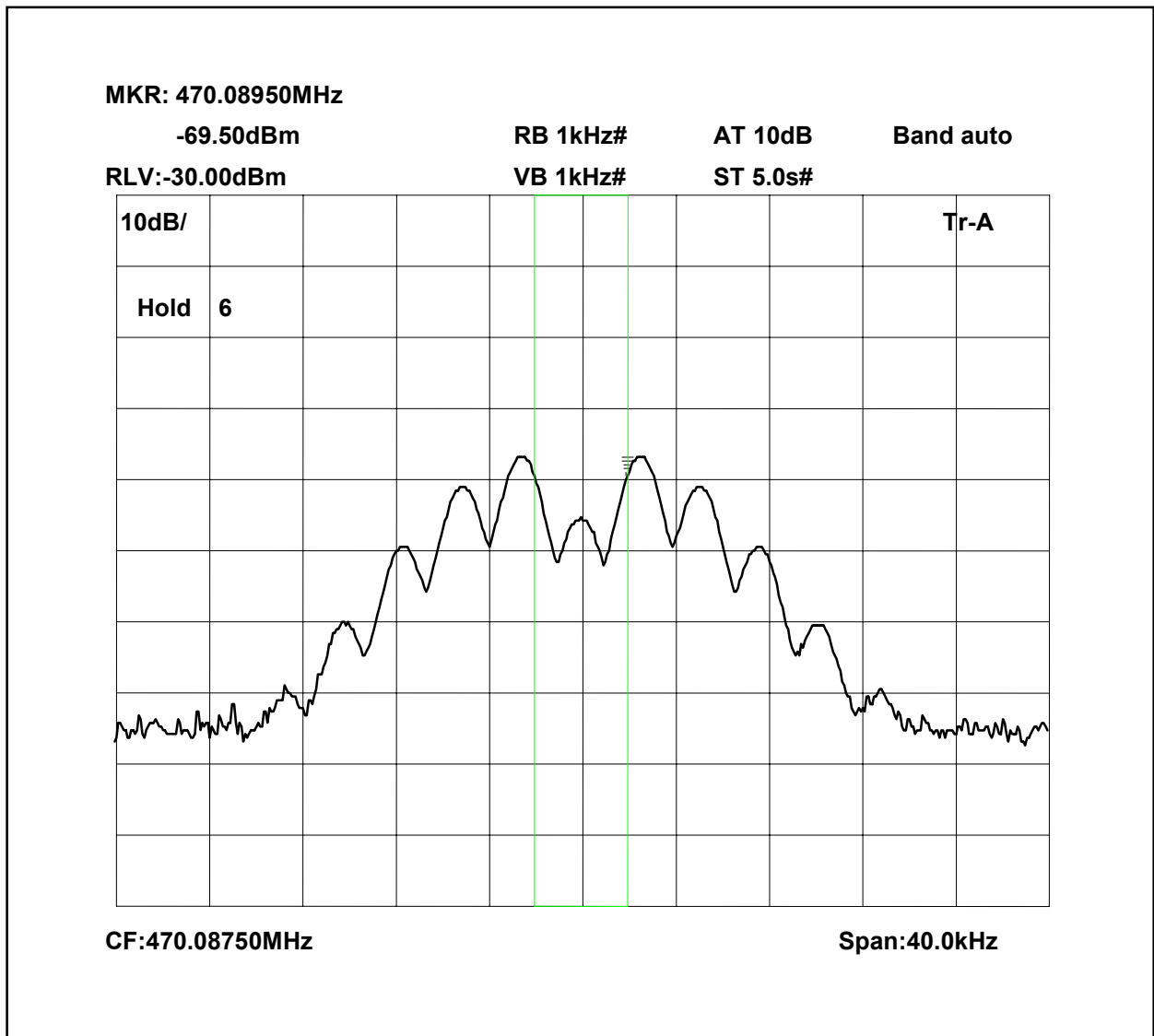


This test was performed to show that the amplifier does not alter the input signal in any way. The input signal was set to the maximum input level (dBm) and modulated with a 2500Hz tone. The plots show the signal measured at the signal generator and the signal measured at the output of the EUT.

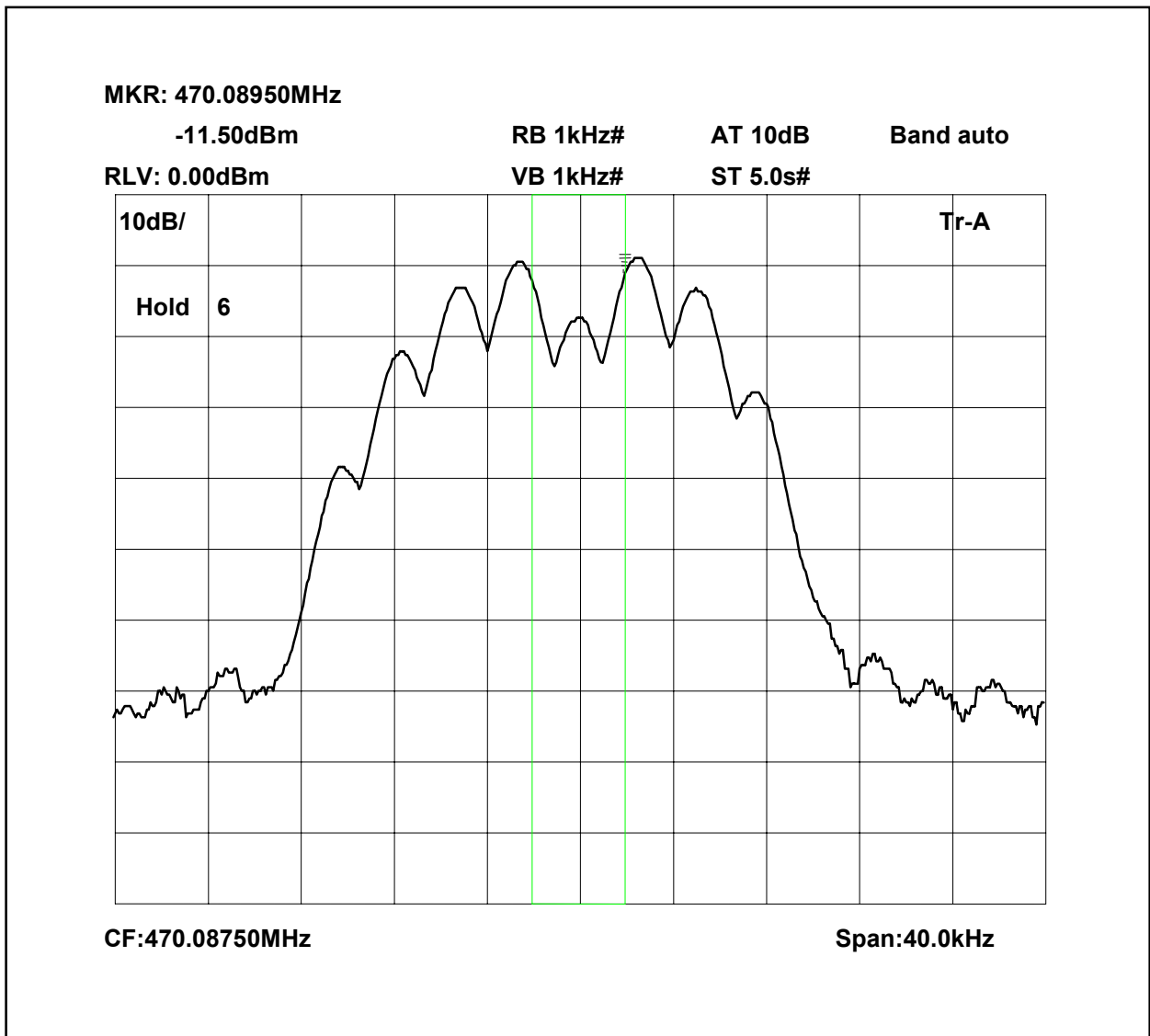
Note: The cables and attenuators had the following losses.

1. Cable TRL279 and analyser = 0.5dB
2. Cable between signal generator and EUT = 0.4dB

470.0875 Signal Generator deviation set to 5kHz

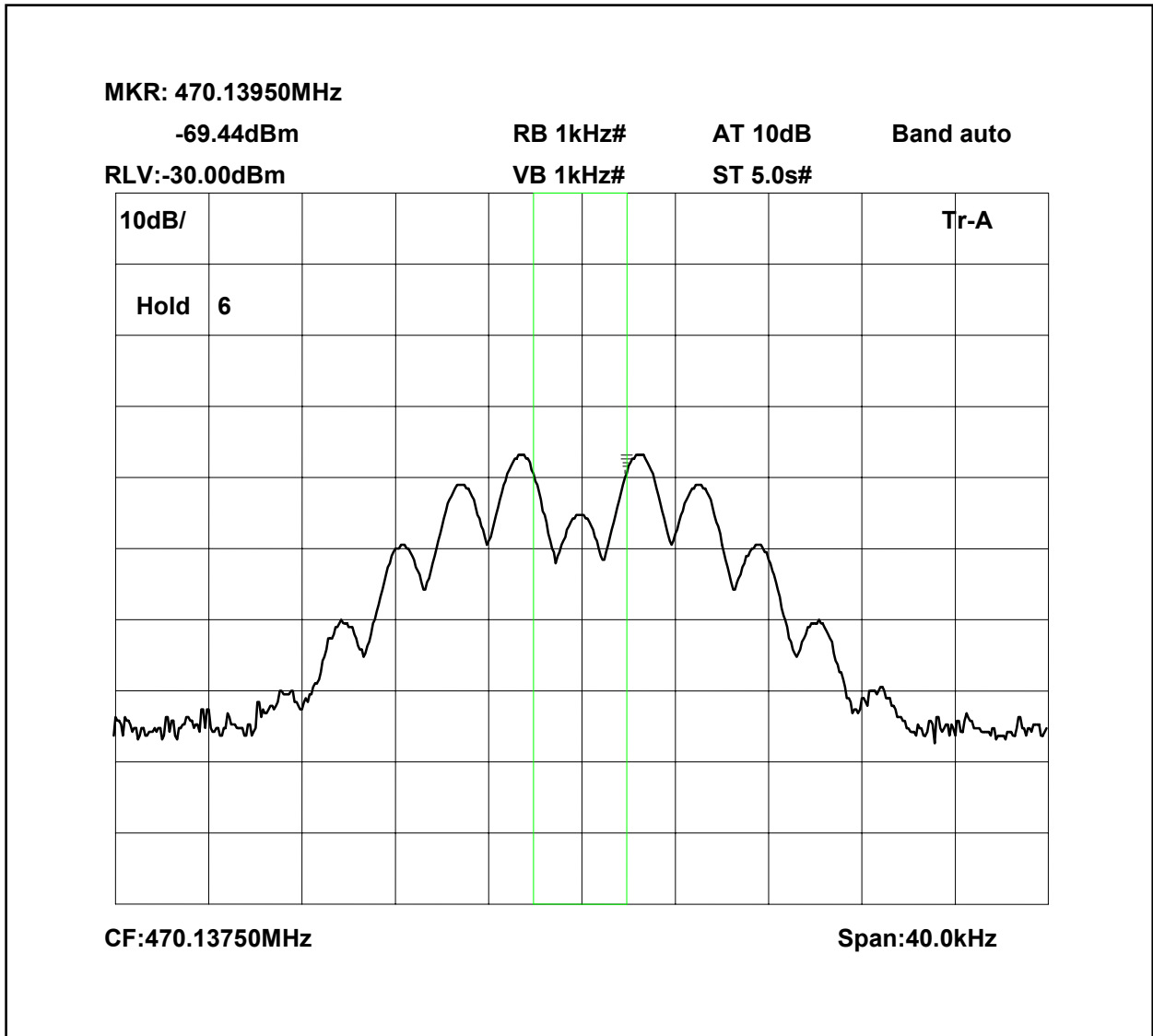


470.0875 Signal Generator and EUT deviation set to 5kHz

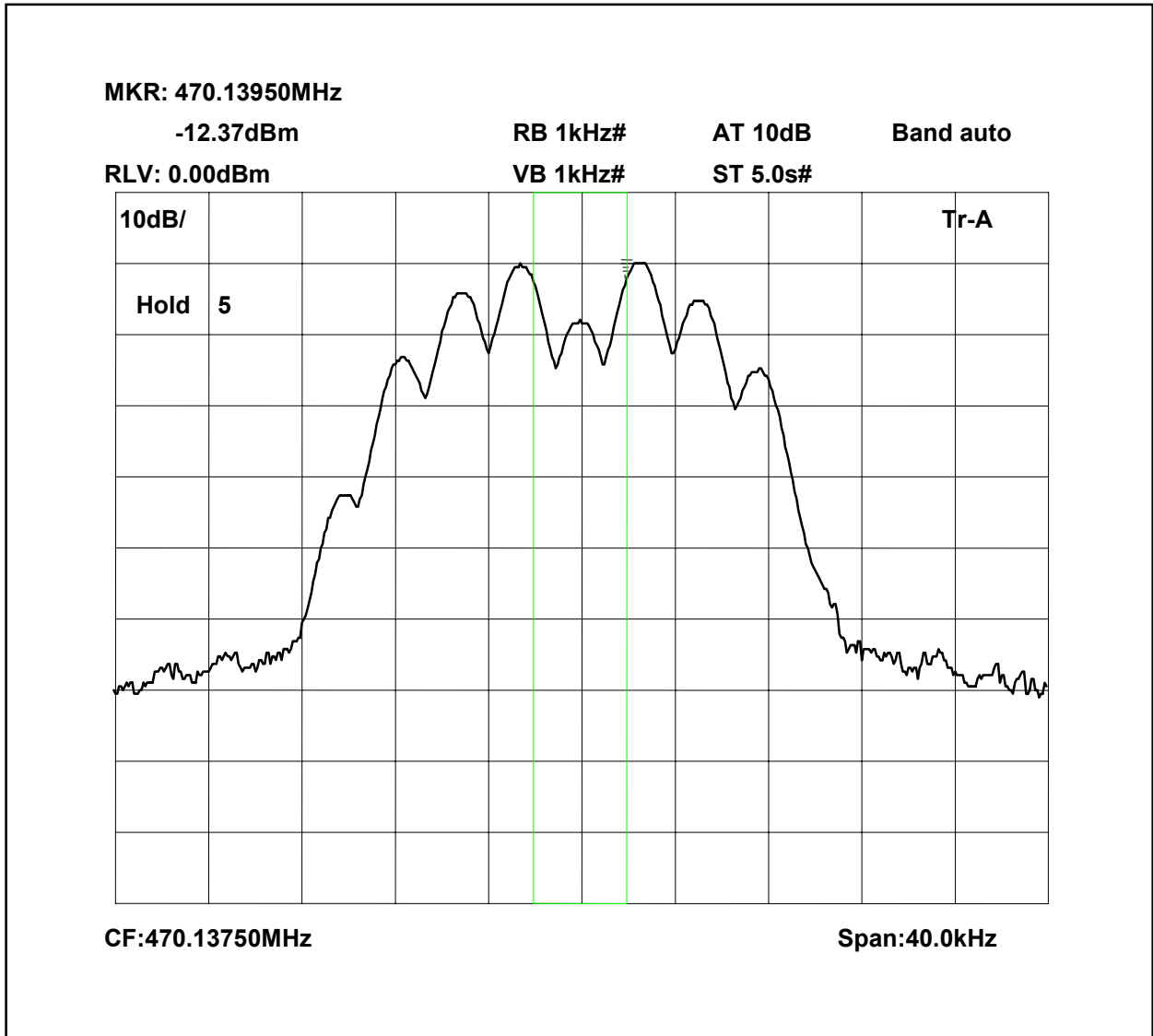


The above plots depicting the output wave shape show no measurable distortion visible. When compared to the input signal.

470.1375 Signal Generator deviation set to 5kHz



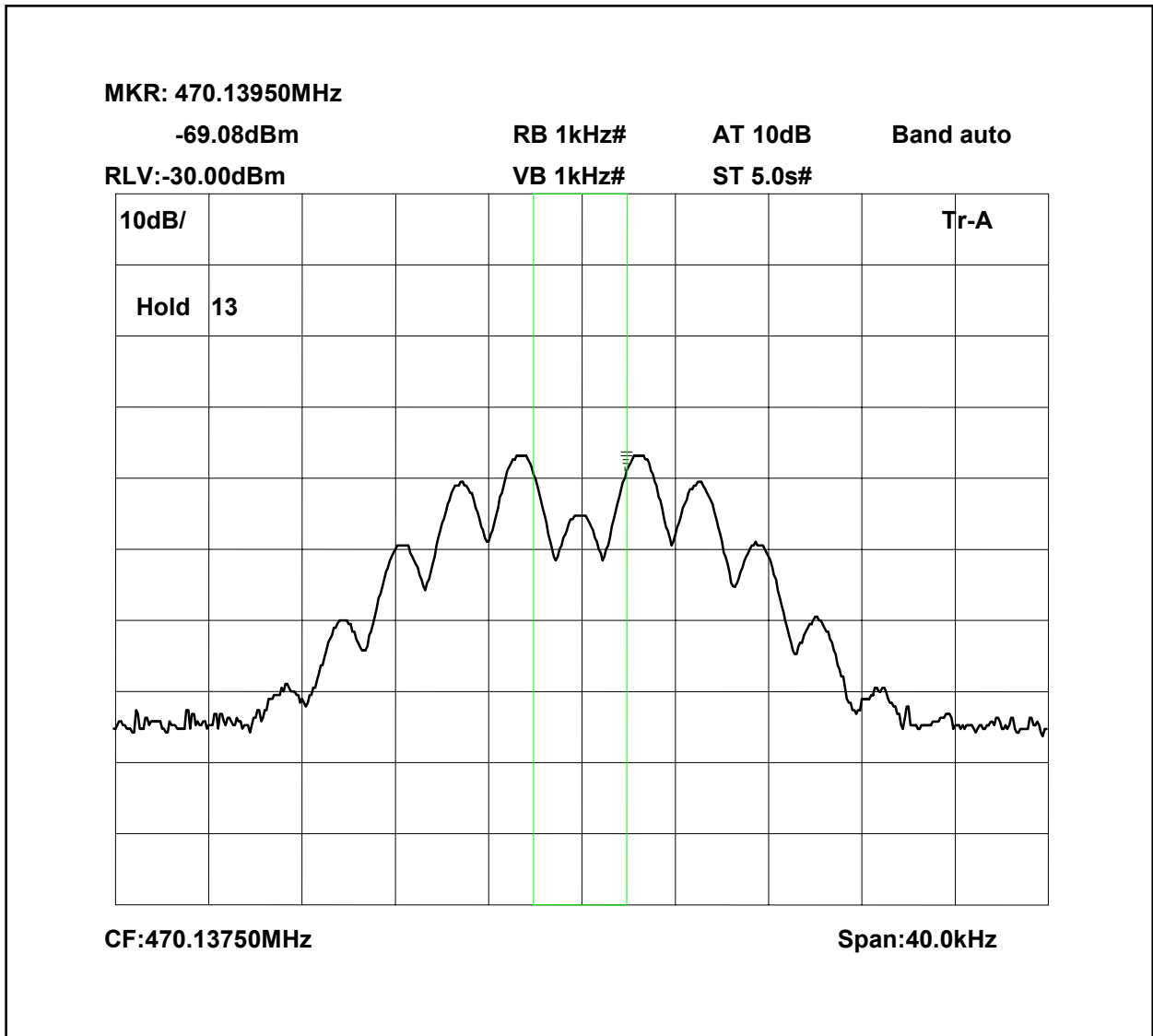
470.1375 Signal Generator and amplifier deviation set to 5kHz



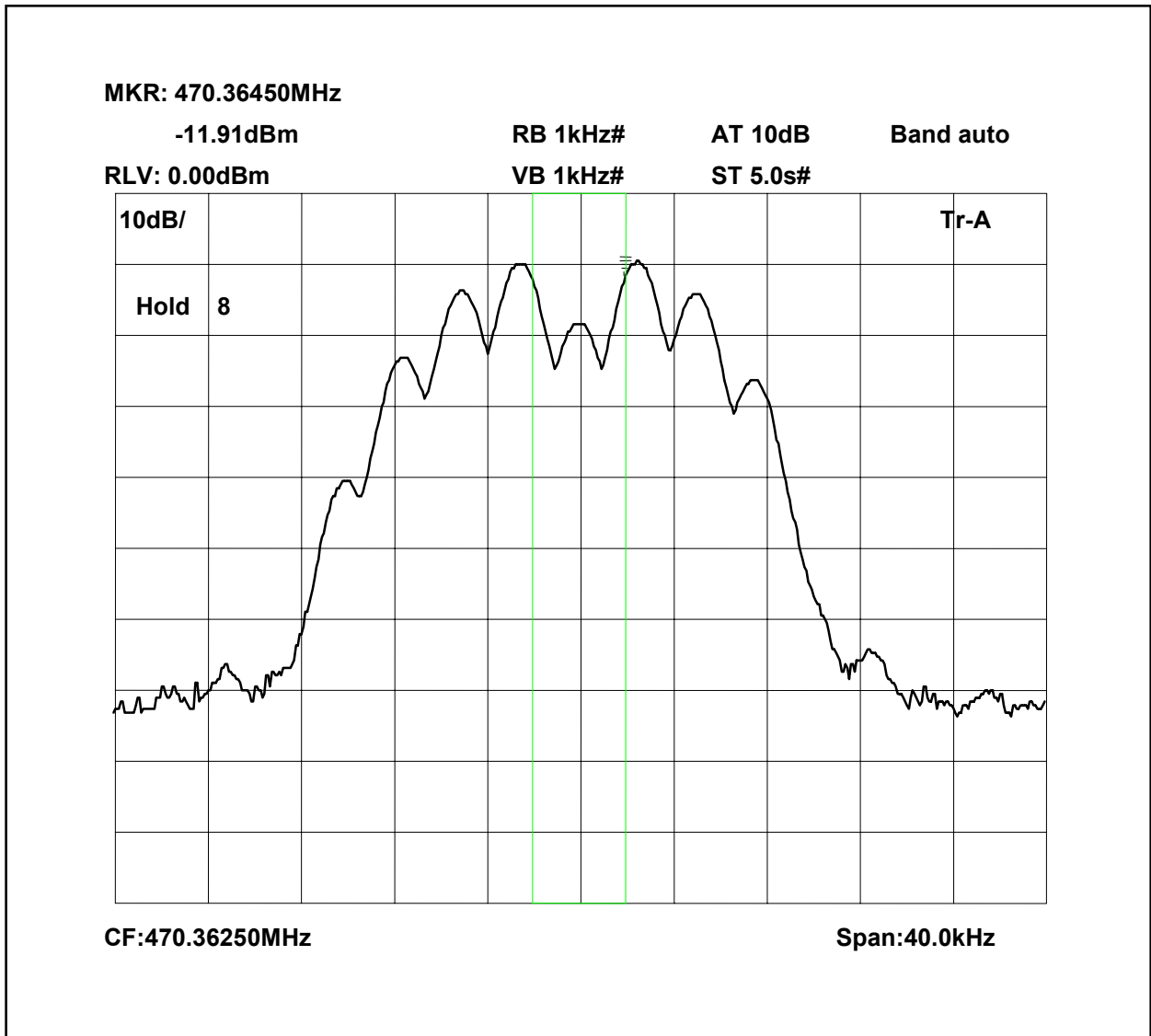
The above plots depicting the output wave shape show no measurable distortion visible. When compared to the input signal.



470.3625 Signal Generator deviation set to 5kHz



470.3625 Signal Generator deviation set to 5kHz



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

The test equipment used for the Transmitter modulated channel tests is shown overleaf:

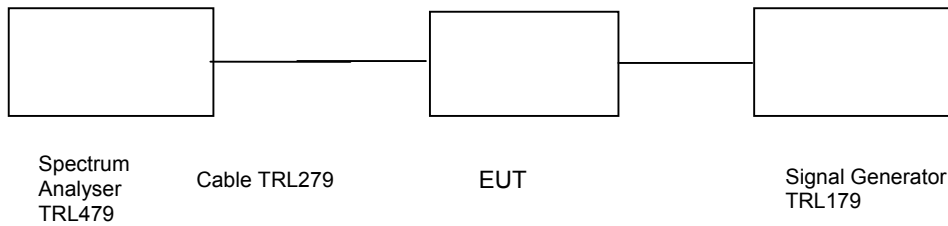
TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
ATTENUATOR	BIRD	8304-200	N/A	103	
ATTENUATOR	BIRD	8304-300-N	N/A	220	
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCON	2042	119388/080	179	<b>X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

**TRANSMITTER TESTS**

**AMPLIFIER SPURIOUS EMISSIONS – CONDUCTED – Part 2.1051– DOWNLINK**

Ambient temperature = 23°C  
 Relative humidity = 35%  
 Supply voltage = 115Vac

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

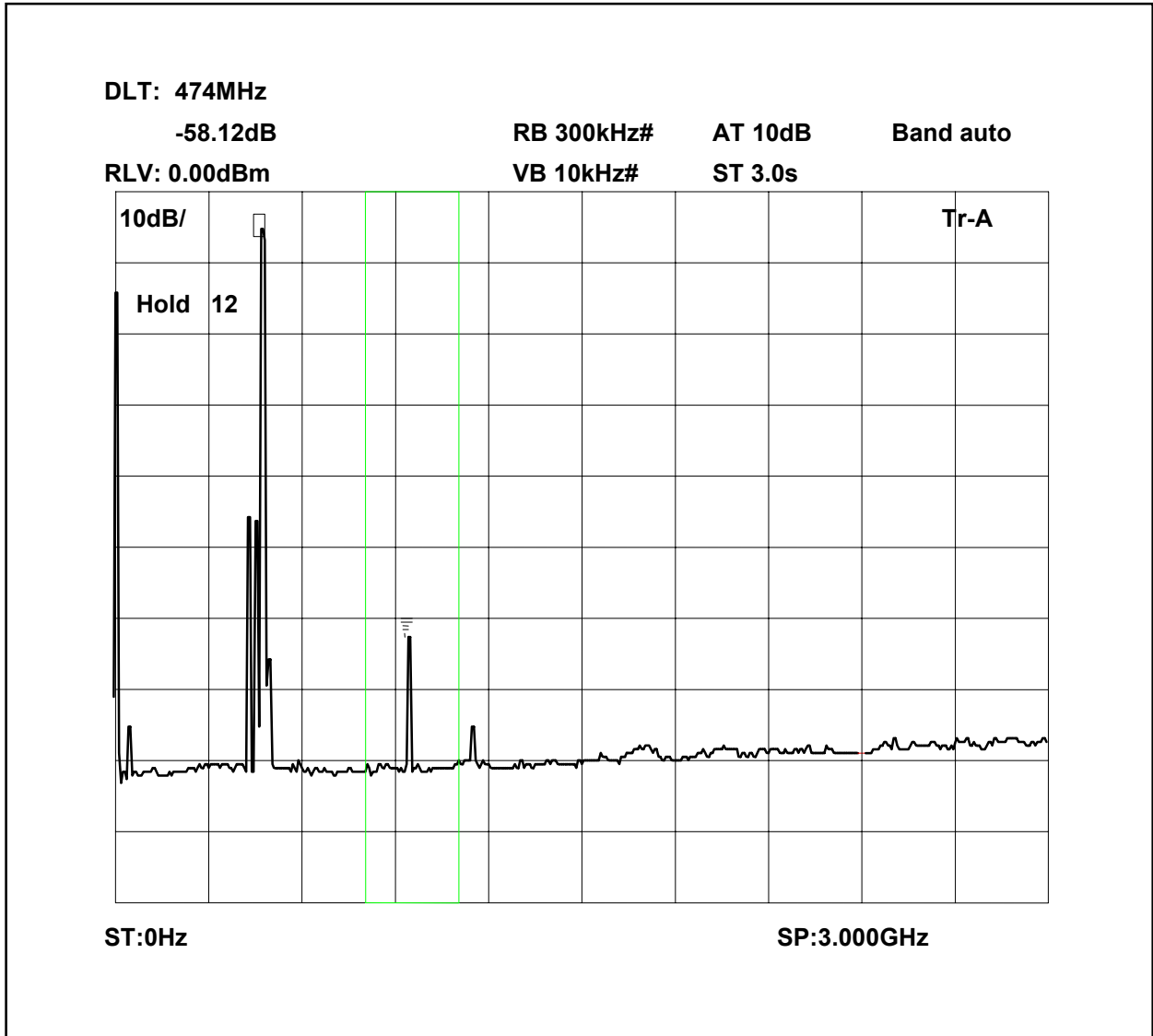
At least 43 + 10 log PdB

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

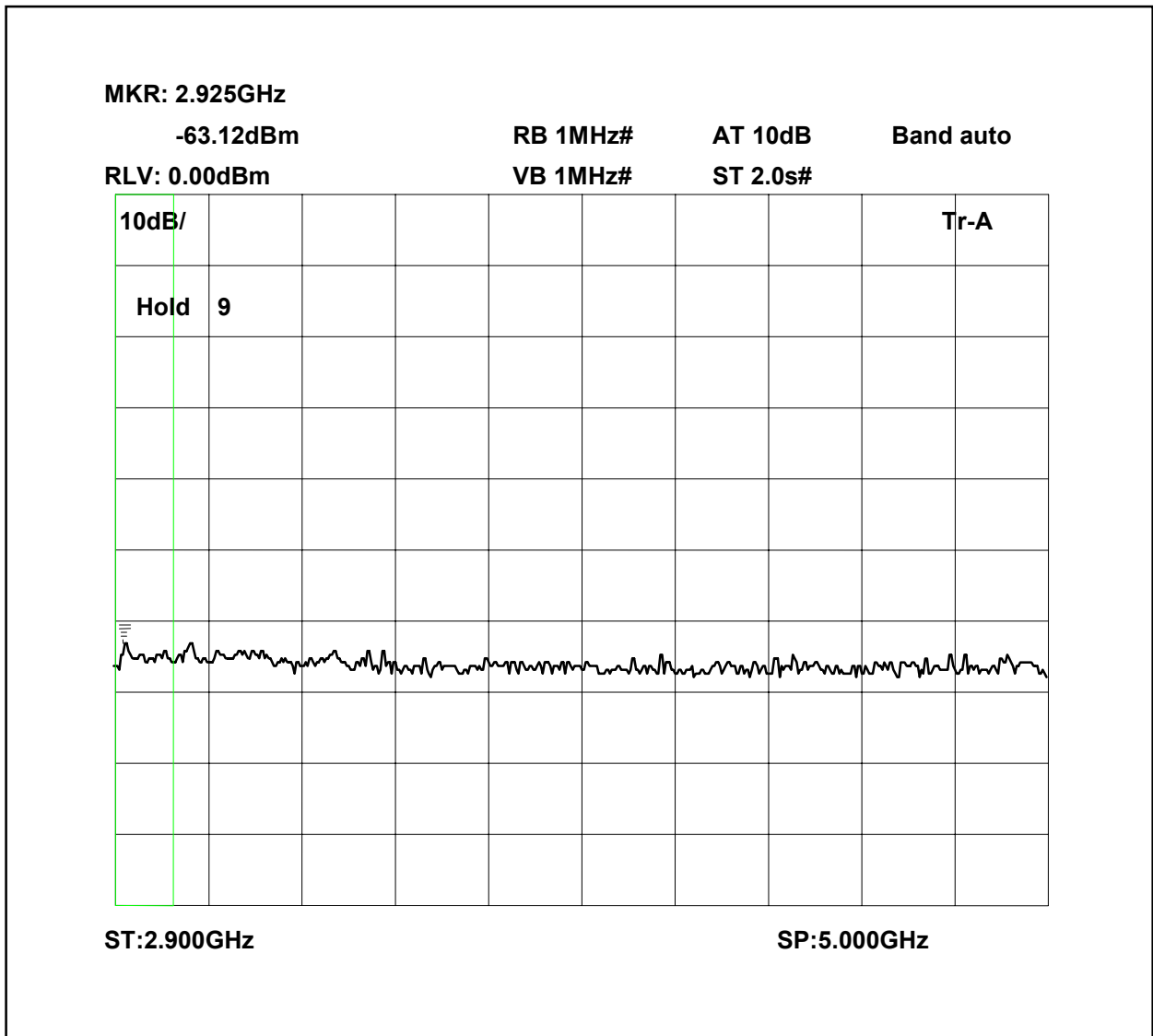
The test equipment used for the Transmitter Conducted Emissions:

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	8304-200	N/A	103	
ATTENUATOR	BIRD	8304-300-N	N/A	220	
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCON	2042	119388/080	179	<b>X</b>

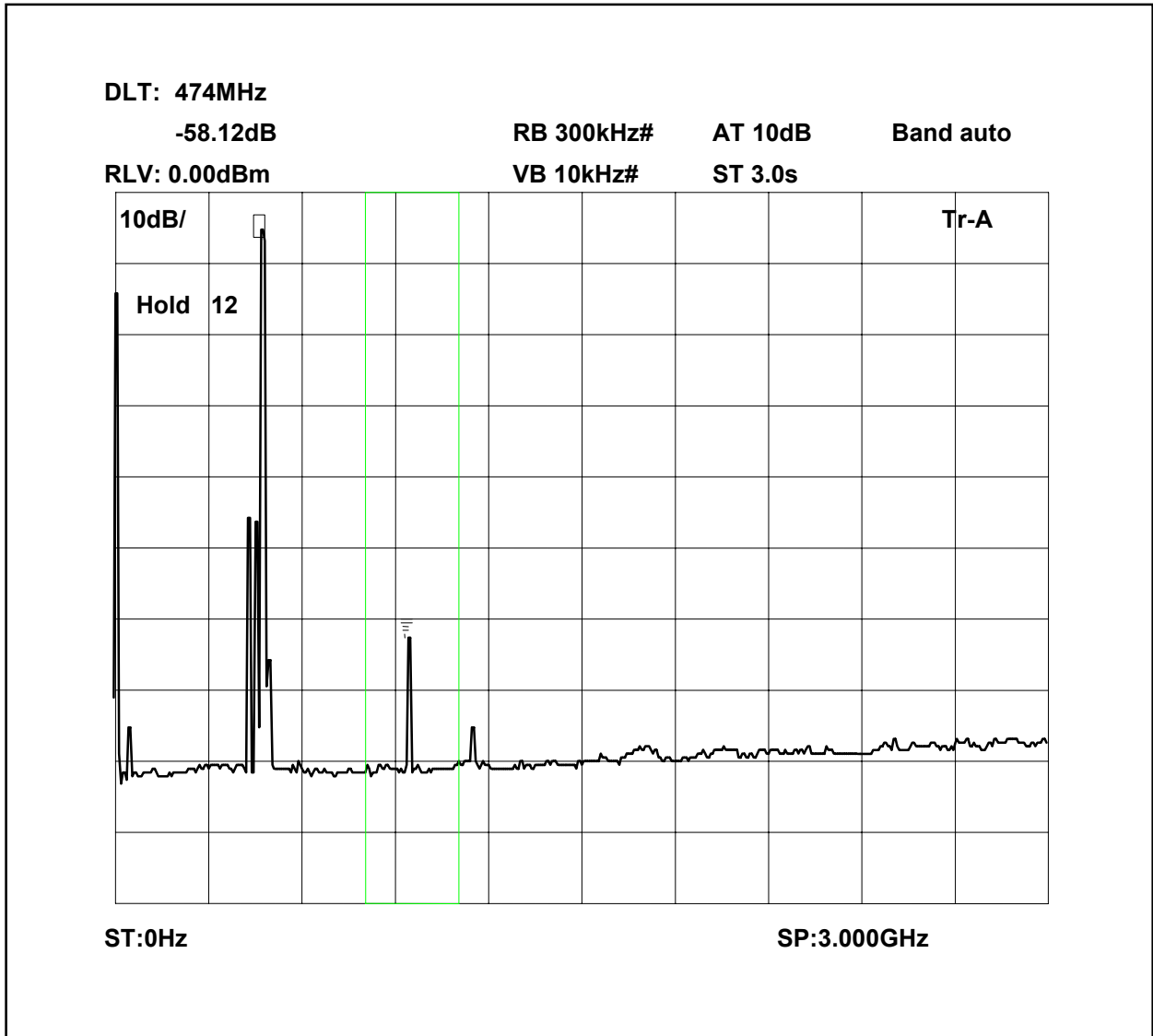
Conducted emissions 470.0875 0-3GHz



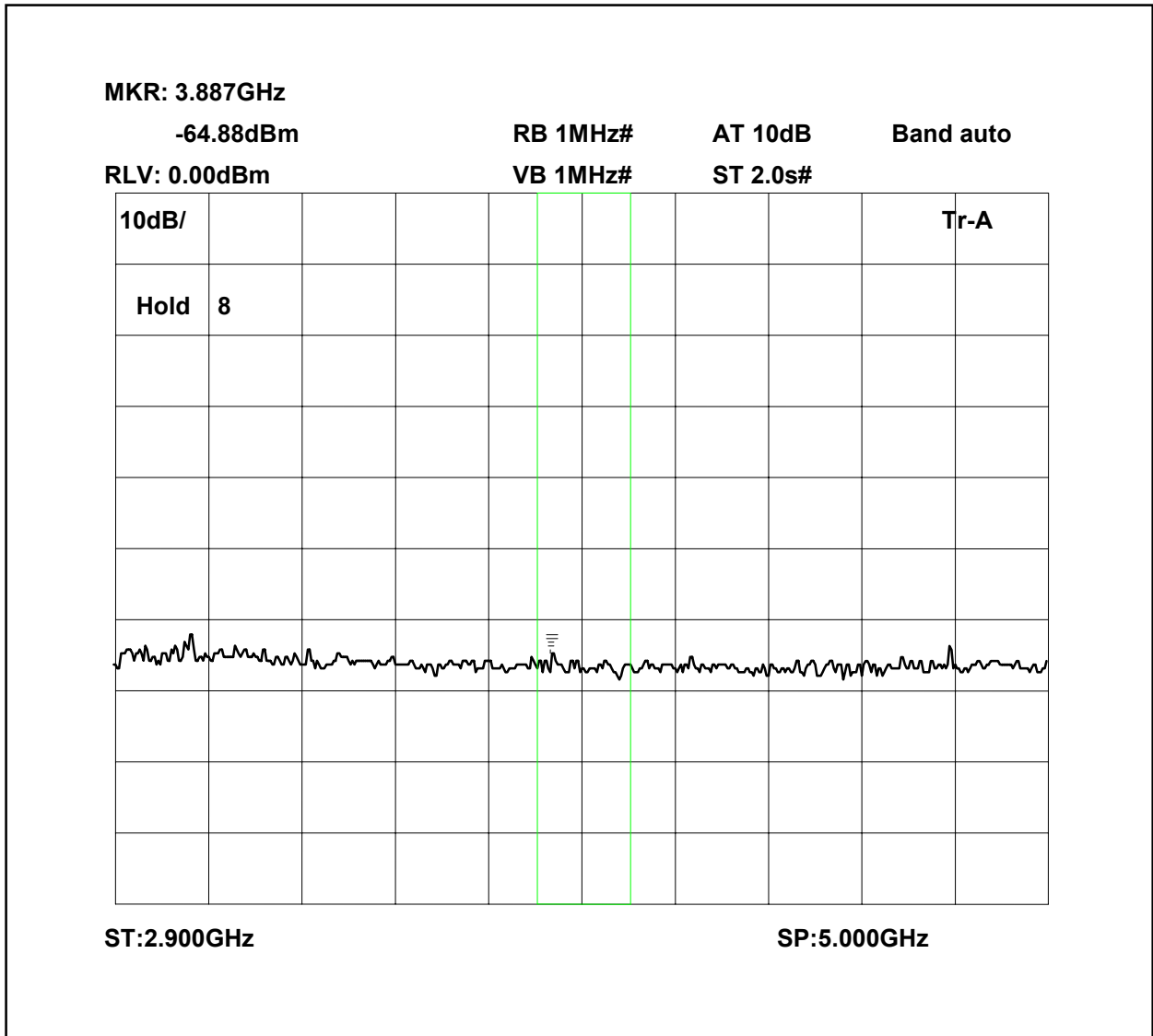
Conducted emissions 470.0875 2.9-5GHz



Conducted emissions 470.1375 0-3GHz

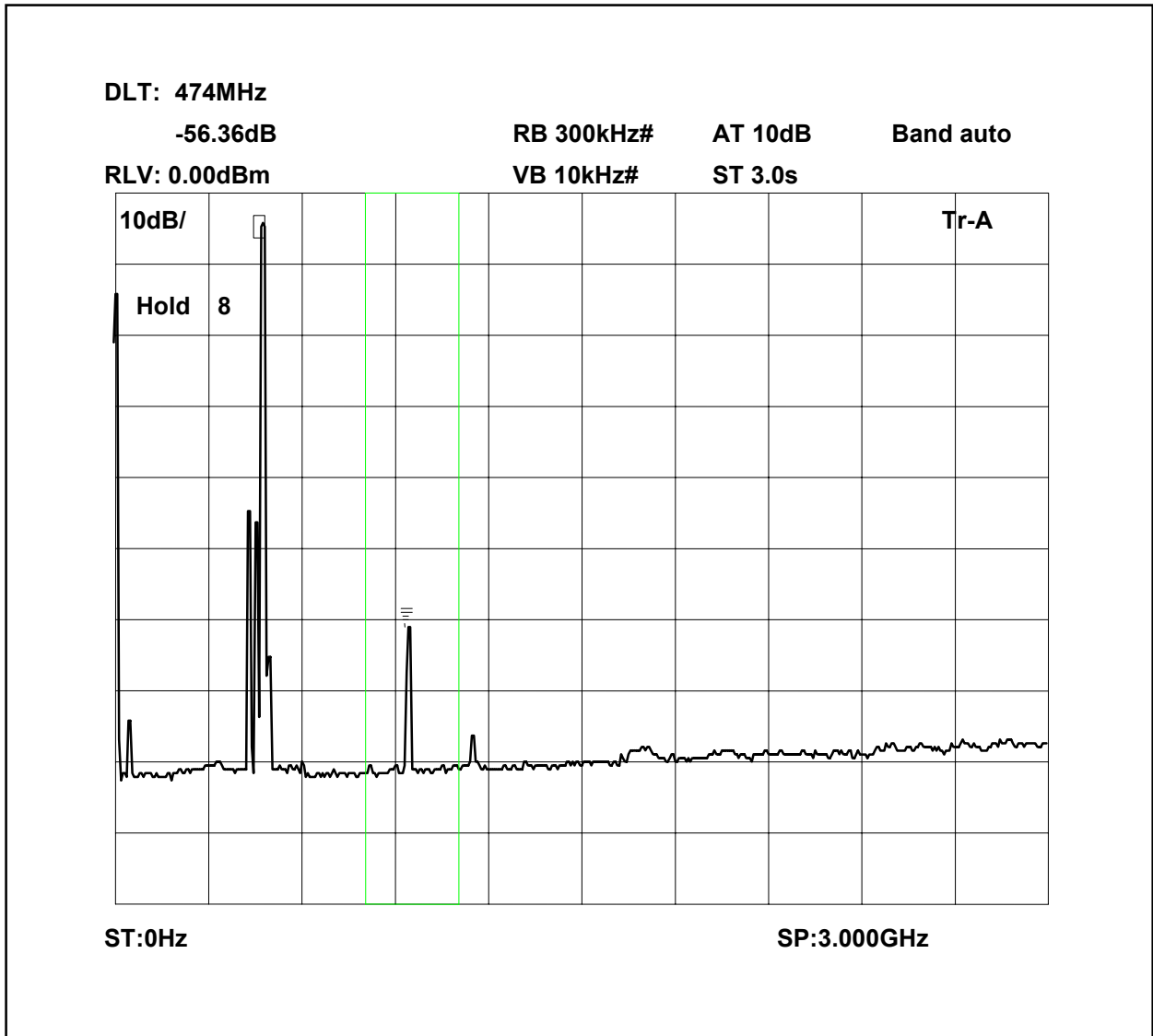


Conducted emissions 470.1375 2.9-5GHz





Conducted emissions 470.3625 0-3GHz



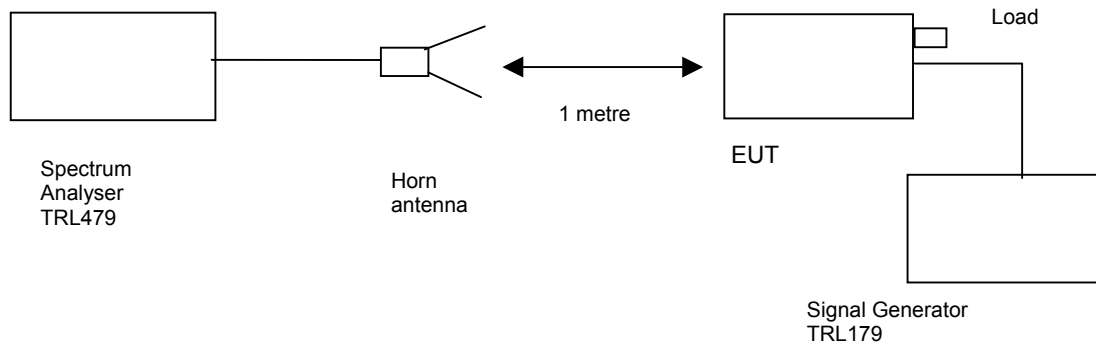


## TRANSMITTER TESTS

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

Ambient temperature = 17°C  
Relative humidity = 46%  
Conditions = OATS  
Supply voltage = 115Vac  
Supply Frequency = N/A

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.

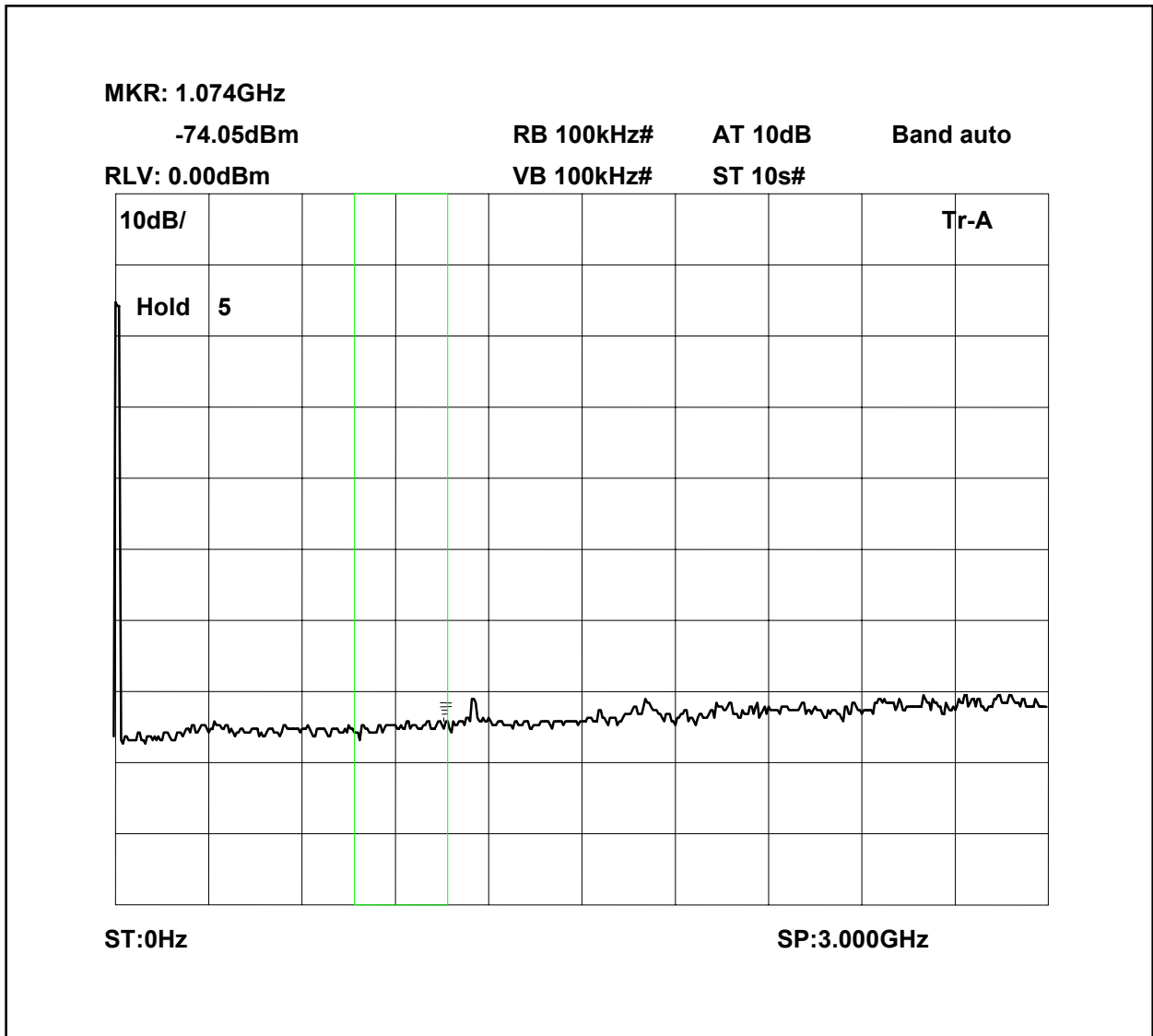
The Spurious limit was calculated as follows:

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

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

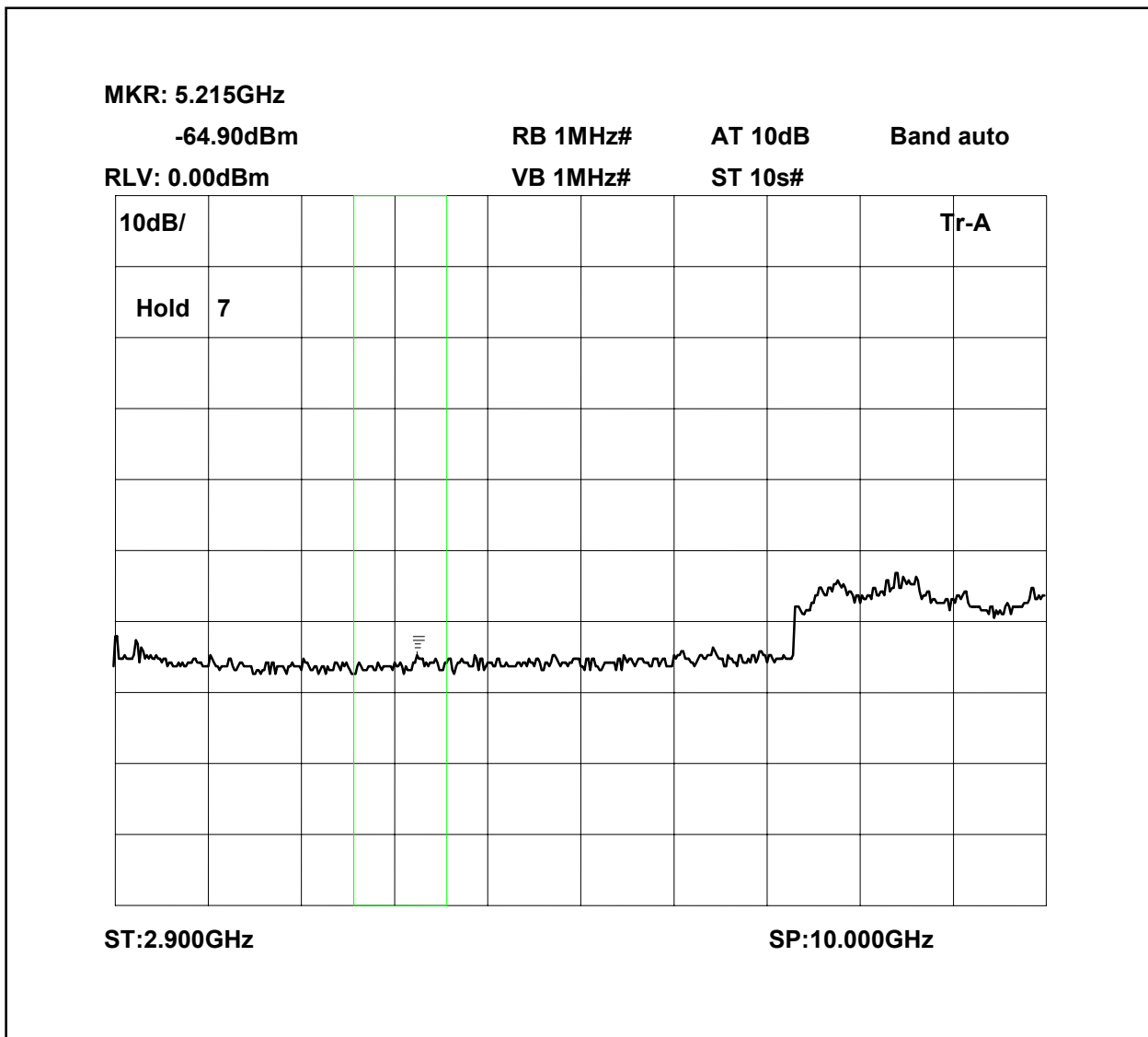
$$(10\log P_{watts}) - (43 + 10\log (P_{watts} * 1000)) = \text{LIMIT } = -13 \text{ dBm}$$

Radiated emissions 470.0875 0-3GHz



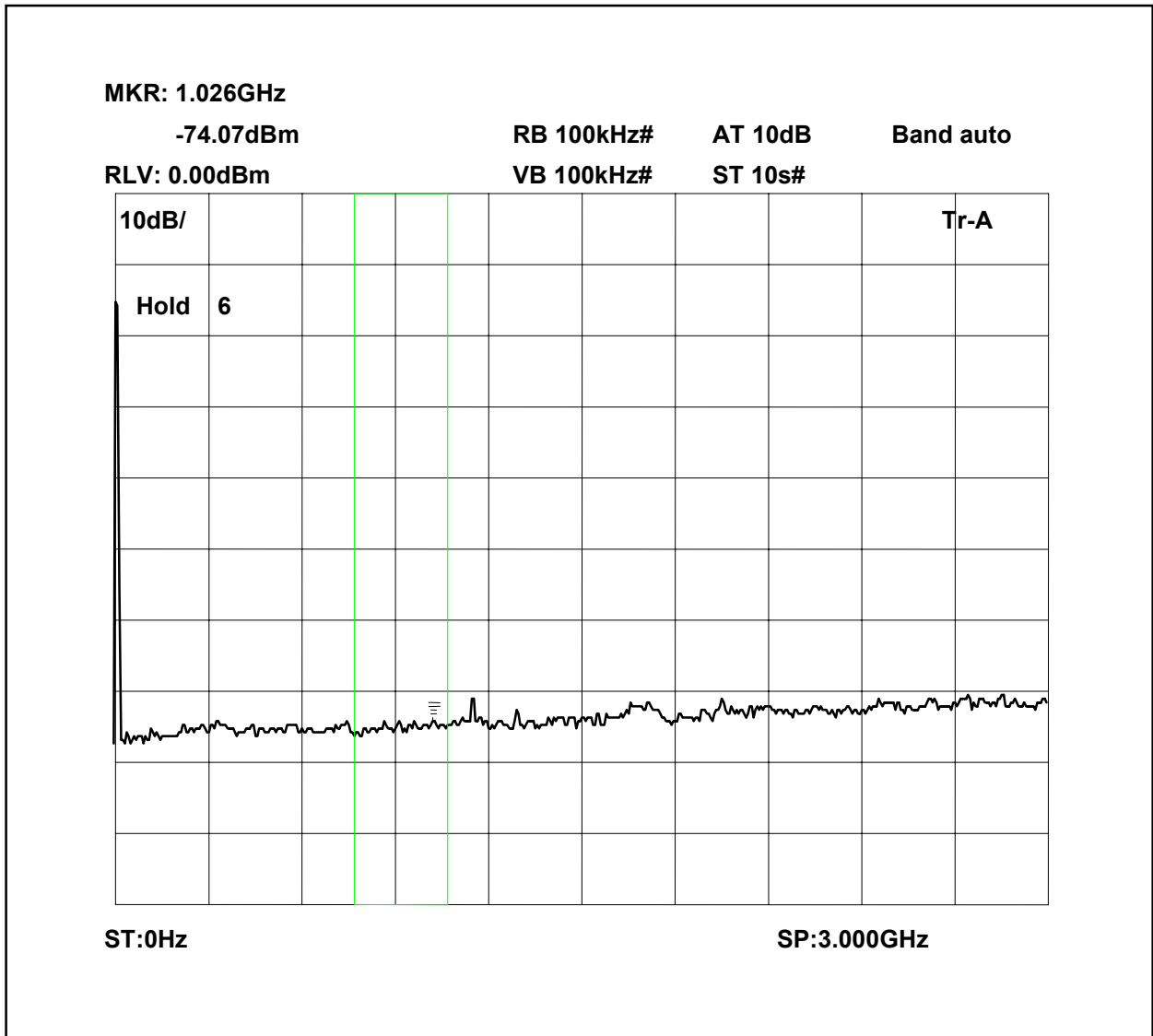
The above test results show that there were no emissions within 20dBs of the -13dBm limit.

Radiated emissions 470.0875 2.9-10GHz



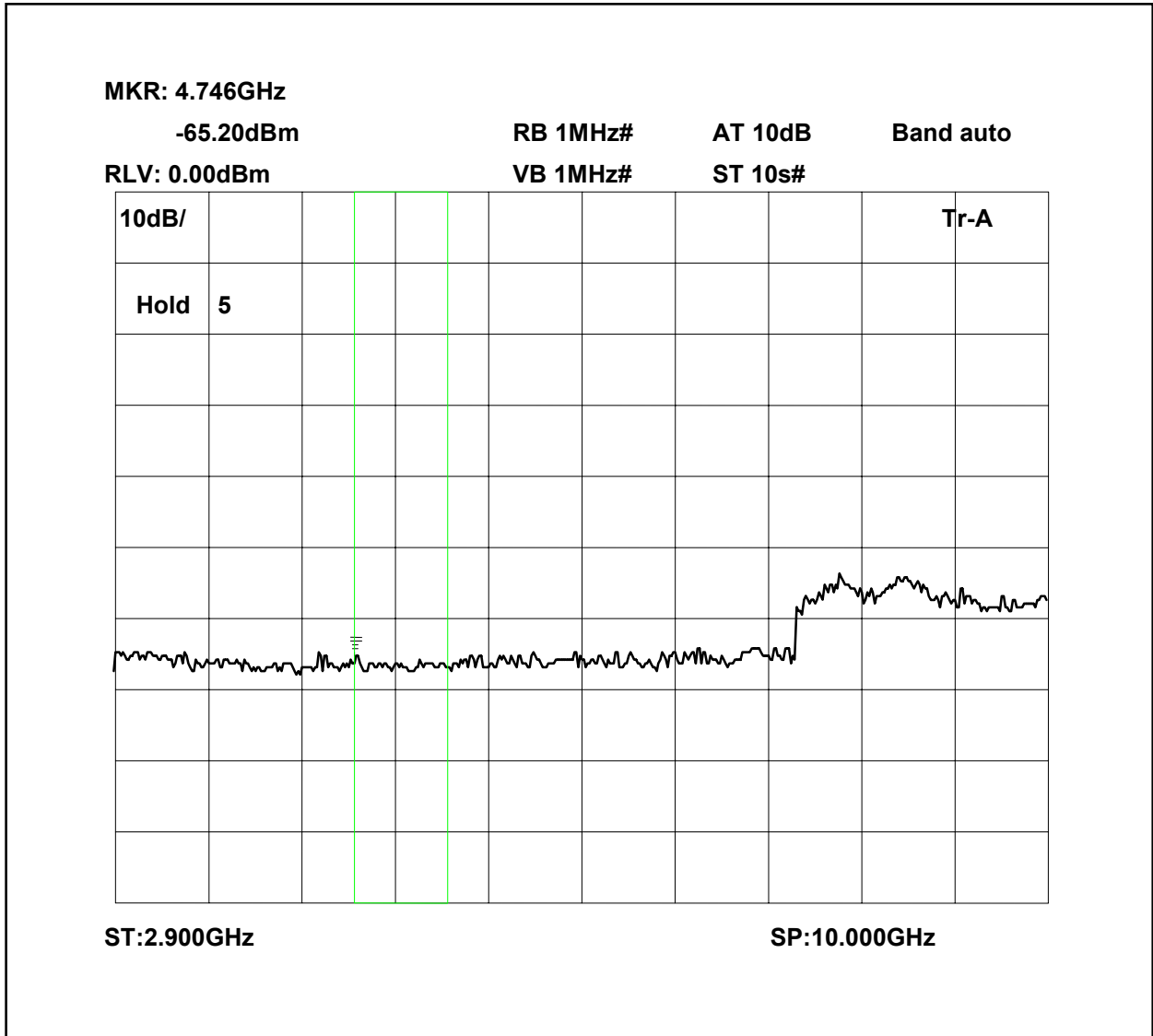
The above test results show that there were no emissions within 20dBs of the -13dBm limit.

Radiated emissions 470.1375 0-3GHz



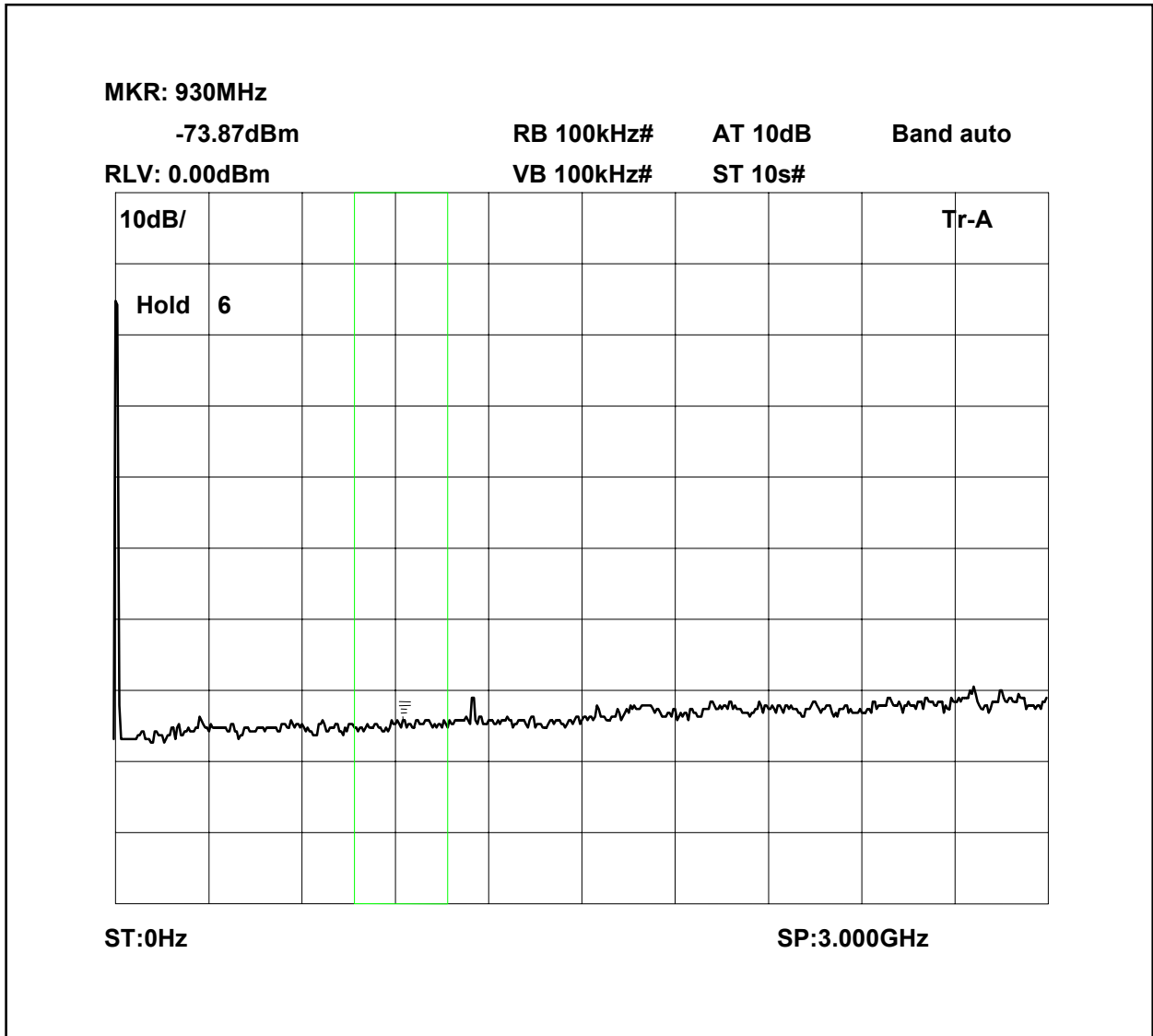
The above test results show that there were no emissions within 20dBs of the -13dBm limit.

Radiated emissions 470.1375 2.9-10GHz



The above test results show that there were no emissions within 20dBs of the -13dBm limit.

Radiated emissions 470.3625 0-3GHz

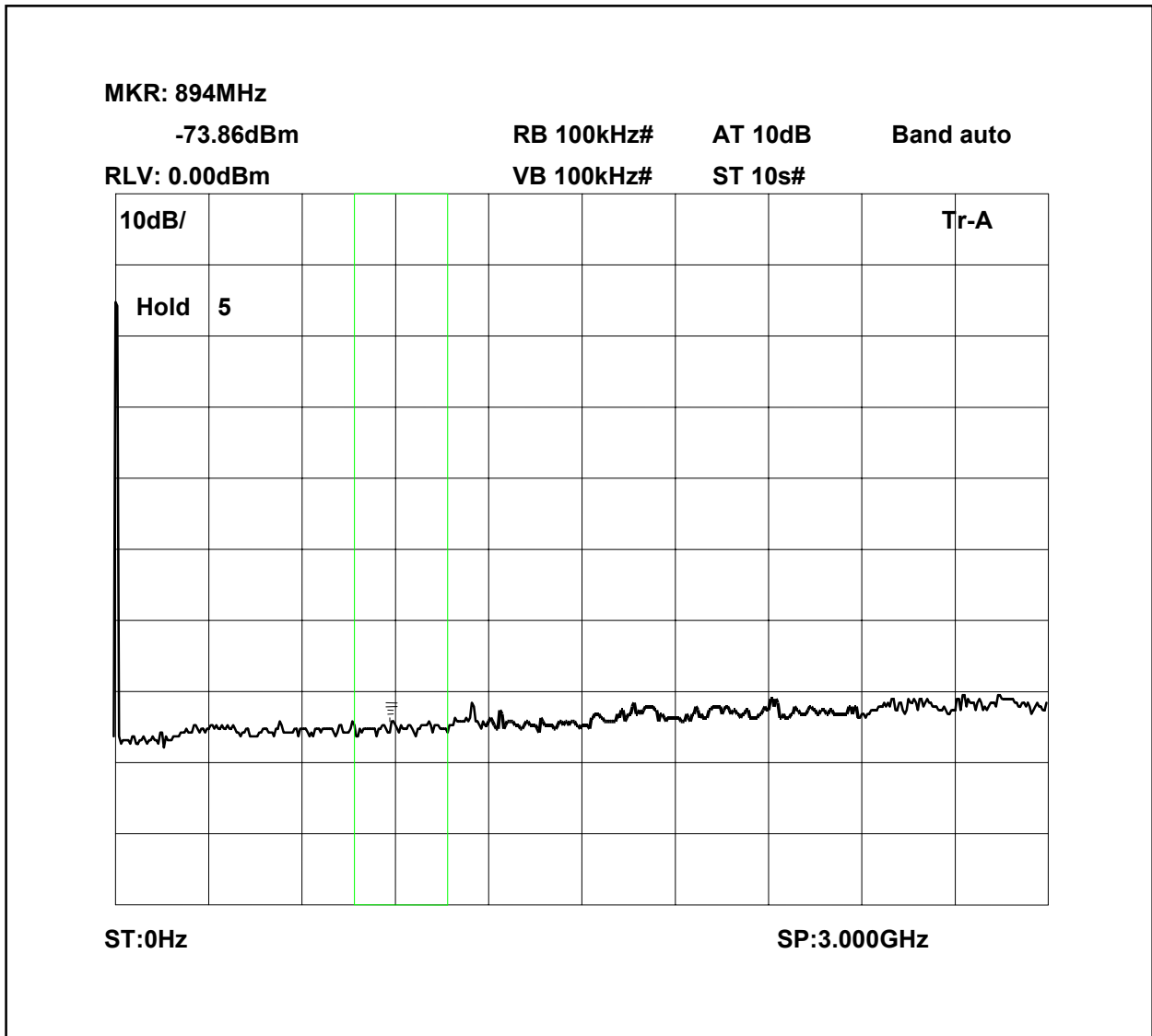


The above test results show that there were no emissions within 20dBs of the -13dBm limit.





Radiated emissions no input signal 0-3GHz



The above test results show that there were no emissions within 20dBs of the -13dBm limit.



The test equipment used for the Transmitter Spurious Emissions:

TYPE OF EQUIPMENT	MAKER/SUPPLIER	MODEL No	SERIAL No	TRL No	ACTUAL EQUIPMENT USED
SPECTRUM ANALYSER	ANRITSU	MS2665C	MT26089	479	<b>X</b>
HORN	EMCO	3115	9010-3581	139	<b>X</b>
ATTENUATOR	BIRD	8304-300-N	N/A	220	<b>X</b>
ATTENUATOR	BIRD	8308-100	N/A	112	<b>X</b>
CABLE	ROSENBERGER	MICRO COAX	N/A	279	<b>X</b>
SIGNAL GENERATOR	MARCON	2042	119388/080	179	<b>X</b>

**ANNEX A**  
**PHOTOGRAPHS**

PHOTOGRAPH No. 1

TEST SETUP





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



## APPLICANT'S SUBMISSION OF DOCUMENTATION LIST

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

**ANNEX C**  
**SYSTEM DIAGRAM**

**System Block Diagram Location One**

