SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

No. 1 Workshop, M-10, Middle section, Science & Technology Park,
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TEST REPORT

Application No.:	SZEM1805004179CR
Applicant:	SZ DJI TECHNOLOGY CO., LTD
Address of Applicant:	14th floor, West Wing, Skyworth Semiconductor Design Building NO.18 Gaoxin South 4th Ave, Nanshan, Shenzhen, China
Manufacturer:	SZ DJI TECHNOLOGY CO., LTD
Address of Manufacturer:	4th floor, West Wing, Skyworth Semiconductor Design Building NO.18 Gaoxin South 4th Ave, Nanshan District, Shenzhen, China
Factory:	SZ DJI TECHNOLOGY CO., LTD
Address of Factory:	4th floor, West Wing, Skyworth Semiconductor Design Building NO.18 Gaoxin South 4th Ave, Nanshan District, Shenzhen, China
Equipment Under Test (EUT):	
EUT Name:	Mavic 2 Pro
Model No.:	L1P
Trade mark:	DJI
FCC ID:	SS3-L1P1805
IC:	11805A-L1P1805
Standard(s) :	47 CFR Part 15, Subpart C 15.247
	RSS-Gen Issue 5, April 2018
	RSS-247 Issue 2, February 2017
Date of Receipt:	2018-05-18
Date of Test:	2018-05-25 to 2018-05-30
Date of Issue:	2018-06-15
Test Result:	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu
EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2018-06-15		Original

Authorized for issue by:				
				
		Hank Yan /Project Engineer		
				
		Eric Fu /Reviewer		

2 Test Summary

Radio Spectrum Technical Requirement				
Item	**Standard**	**Method**	**Requirement**	**Result**
Antenna Requirement	47 CFR Part 15, Subpart C 15.247; RSS-Gen Issue 5	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c); RSS-Gen Section 6.8	Pass

Radio Spectrum Matter Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2); RSS-247 Section 5.2(a)	Pass
99% Bandwidth	RSS-247 Issue 2, February 2017	ANSI C63.10 Section 6.9.3	RSS-Gen Section 6.7	Pass
Conducted Output Power (Average)	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.9.2	47 CFR Part 15, Subpart C 15.247(b)(3); RSS-247 Section 5.4(d)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e); RSS-247 Clause 5.2(b)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d); RSS-247 Section 5.5	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d); RSS-247 Section 5.5	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209; Section 3.3 & RSS-Gen Section 8.9	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247; RSS-247 Issue 2	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.205 & 15.209; RSS-247 Section 3.3 & RSS-Gen Section 8.9	Pass

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	DC 15.4V, 3850mAh Li-Po Battery
Cable:	USB Type-C Cable: 100cm
Operation Frequency:	1.4MHz BW: 2403.5MHz ~ 2477.5MHz 10MHz BW: 2405.5MHz to 2477.5MHz 20MHz BW: 2410.5MHz to 2472.5MHz
Modulation Type:	1.4MHz BW: OFDM 10MHz BW: OFDM 20MHz BW: OFDM
Number of Channels:	1.4MHz BW: 38 10MHz BW: 73 20MHz BW:63
Channel Spacing:	1.4MHz BW: 2MHz 10MHz BW: 1MHz 20MHz BW: 1MHz
Antenna Type:	PCB Antenna
Antenna Gain:	3.5dBi

Channel List and nominal power for 1.4MHz BW

CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)
1 a b c	2403.5	25.5	14	2429.5	25.5	27	2455.5	25.5
2	2405.5	25.5	15	2431.5	25.5	28	2457.5	25.5
3	2407.5	25.5	16	2433.5	25.5	29	2459.5	25.5
4	2409.5	25.5	17	2435.5	25.5	30	2461.5	25.5
5	2411.5	25.5	18	2437.5	25.5	31	2463.5	25.5
6	2413.5	25.5	19	2439.5	25.5	32	2465.5	25.5
7	2415.5	25.5	20 a b c	2441.5	25.5	33	2467.5	25.5
8	2417.5	25.5	21	2443.5	25.5	34	2469.5	25.5
9	2419.5	25.5	22	2445.5	25.5	35	2471.5	25.5
10	2421.5	25.5	23	2447.5	25.5	36	2473.5	25.5
11	2423.5	25.5	24	2449.5	25.5	37	2475.5	25.5
12	2425.5	25.5	25	2451.5	25.5	38 a b c	2477.5	25.5
13	2427.5	25.5	26	2453.5	25.5			

Note a: Channels chosen for RF conducted test.
Note b: Channels chosen for Radiated spurious emission
Note c: Channels chosen for Radiated Emissions which fall in the restricted bands test

Channel List and nominal power for 10MHz BW								
CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)
1 [a b c d]	2405.5	14.5	26	2430.5	22.5	51 [b c d]	2455.5	22.5
2	2406.5	15.5	27	2431.5	22.5	52	2456.5	21.5
3	2407.5	16.5	28	2432.5	22.5	53	2457.5	21.5
4 [b]	2408.5	17.5	29	2433.5	22.5	54	2458.5	20.5
5 [c d]	2409.5	18.5	30	2434.5	22.5	55 [b c d]	2459.5	20.5
6	2410.5	18.5	31	2435.5	22.5	56	2460.5	19.5
7	2411.5	19.5	32	2436.5	22.5	57	2461.5	19.5
8	2412.5	19.5	33	2437.5	22.5	58	2462.5	18.5
9	2413.5	20.5	34	2438.5	22.5	59 [b]	2463.5	18.5
10	2414.5	20.5	35	2439.5	22.5	60 [b]	2464.5	17.5
11 [b]	2415.5	21.5	36	2440.5	22.5	61	2465.5	17.5
12	2416.5	21.5	37 [a c]	2441.5	22.5	62	2466.5	16.5
13 [b c d]	2417.5	22.5	38	2442.5	22.5	63 [b c d]	2467.5	16.5
14	2418.5	22.5	39	2443.5	22.5	64	2468.5	15.5
15	2419.5	22.5	40	2444.5	22.5	65 [b c d]	2469.5	13.5
16	2420.5	22.5	41	2445.5	22.5	66	2470.5	11.5
17	2421.5	22.5	42	2446.5	22.5	67 [b c d]	2471.5	9.5
18	2422.5	22.5	43	2447.5	22.5	68 [b]	2472.5	7.5
19	2423.5	22.5	44	2448.5	22.5	69	2473.5	6.5
20	2424.5	22.5	45	2449.5	22.5	70	2474.5	5.5
21	2425.5	22.5	46	2450.5	22.5	71	2475.5	5.5
22	2426.5	22.5	47	2451.5	22.5	72 [b c d]	2476.5	4.5
23	2427.5	22.5	48	2452.5	22.5	73 [a b c d]	2477.5	-11.5
24	2428.5	22.5	49	2453.5	22.5			
25	2429.5	22.5	50	2454.5	22.5			

Note a: Channels chosen for RF conducted test.
Note b: Additional channel for maximum output power test.
Note c: Channels chosen for Radiated spurious emission
Note d: Channels chosen for Radiated Emissions which fall in the restricted bands test

Channel List and nominal power for 20MHz BW								
CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)	CH No.	Fre. (MHz)	Nominal Power (EIRP) (dBm)
1 [a b c d]	2410.5	8.5	22	2431.5	20.5	43	2452.5	16.5
2	2411.5	9.5	23	2432.5	21.5	44	2453.5	16.5
3	2412.5	10.5	24	2433.5	21.5	45	2454.5	15.5
4	2413.5	11.5	25 [b c d]	2434.5	22.5	46	2455.5	15.5
5 [b]	2414.5	11.5	26	2435.5	22.5	47	2456.5	15.5
6 [c d]	2415.5	12.5	27	2436.5	22.5	48	2457.5	14.5
7	2416.5	13.5	28	2437.5	22.5	49 [b c d]	2458.5	14.5
8	2417.5	14.5	29	2438.5	22.5	50 [b]	2459.5	13.5
9	2418.5	15.5	30	2439.5	22.5	51	2460.5	13.5
10 [b]	2419.5	15.5	31	2440.5	22.5	52	2461.5	12.5
11 [b c d]	2420.5	16.5	32 [a b c d]	2441.5	22.5	53	2462.5	12.5
12	2421.5	16.5	33 [b]	2442.5	21.5	54	2463.5	11.5
13	2422.5	16.5	34	2443.5	21.5	55 [b c d]	2464.5	10.5
14	2423.5	17.5	35	2444.5	20.5	56 [b]	2465.5	9.5
15	2424.5	17.5	36	2445.5	20.5	57	2466.5	9.5
16	2425.5	18.5	37	2446.5	19.5	58	2467.5	9.5
17	2426.5	18.5	38	2447.5	19.5	59	2468.5	8.5
18	2427.5	18.5	39 [b c d]	2448.5	18.5	60	2469.5	8.5
19	2428.5	19.5	40	2449.5	18.5	61	2470.5	7.5
20	2429.5	19.5	41 [b]	2450.5	17.5	62 [b c d]	2471.5	6.5
21 [b c d]	2430.5	20.5	42	2451.5	17.5	63 [a b c d]	2472.5	-2.5

Note a: Channels chosen for RF conducted test.
Note b: Additional channel for maximum output power test.
Note c: Channels chosen for Radiated spurious emission
Note d: Channels chosen for Radiated Emissions which fall in the restricted bands test

4.2 Description of Support Units

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	± 7.25 x 10^{-8}
2	Duty cycle	± 0.37%
3	Occupied Bandwidth	± 3%
4	RF conducted power	± 0.75dB
5	RF power density	± 2.84dB
6	Conducted Spurious emissions	± 0.75dB
7	RF Radiated power	± 4.5dB (below 1GHz)
		± 4.8dB (above 1GHz)
8	Radiated Spurious emission test	± 4.5dB (Below 1GHz)
		± 4.8dB (Above 1GHz)
9	Temperature test	± 1℃
10	Humidity test	± 3%
11	Supply voltages	± 1.5%
12	Time	± 3%

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC

Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

• Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

5 Equipment List

Minimum 6dB Bandwidth					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

Conducted Output Power (Average)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

Power Spectrum Density					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

Conducted Band Edges Measurement					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26

Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

Conducted Spurious Emissions					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

Radiated Emissions which fall in the restricted bands					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018-03-13	2021-03-12
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2017-07-13	2018-07-12
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017-06-27	2020-06-26
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12
Horn Antenna(15GHz-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017-10-17	2020-10-16
Pre-amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2017-09-27	2018-09-26
Low Noise Amplifier(100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2017-09-27	2018-09-27
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2018-04-02	2019-04-01
Pre-amplifier(26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018-04-02	2019-04-01
DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21
Band filter	N/A	N/A	SEM023-01	N/A	N/A

General used equipment					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2017-09-29	2018-09-28
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2018-04-08	2019-04-07

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(c); RSS-Gen Section 6.8

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna (Refer to EUT photos):

The antenna is integrated on the main PCB and no consideration of replacement. The best-case gain of the antenna is 3.5dBi. The product has two antennas, but only one antenna is used to transmit signal at any time. Pre-test was used to find out the worst case, and only the data of worst case is recorded in the report.

7 Radio Spectrum Matter Test Results

7.1 99% Bandwidth

Test Requirement RSS-Gen Section 6.7

Test Method: ANSI C63.10 Section 6.9.3

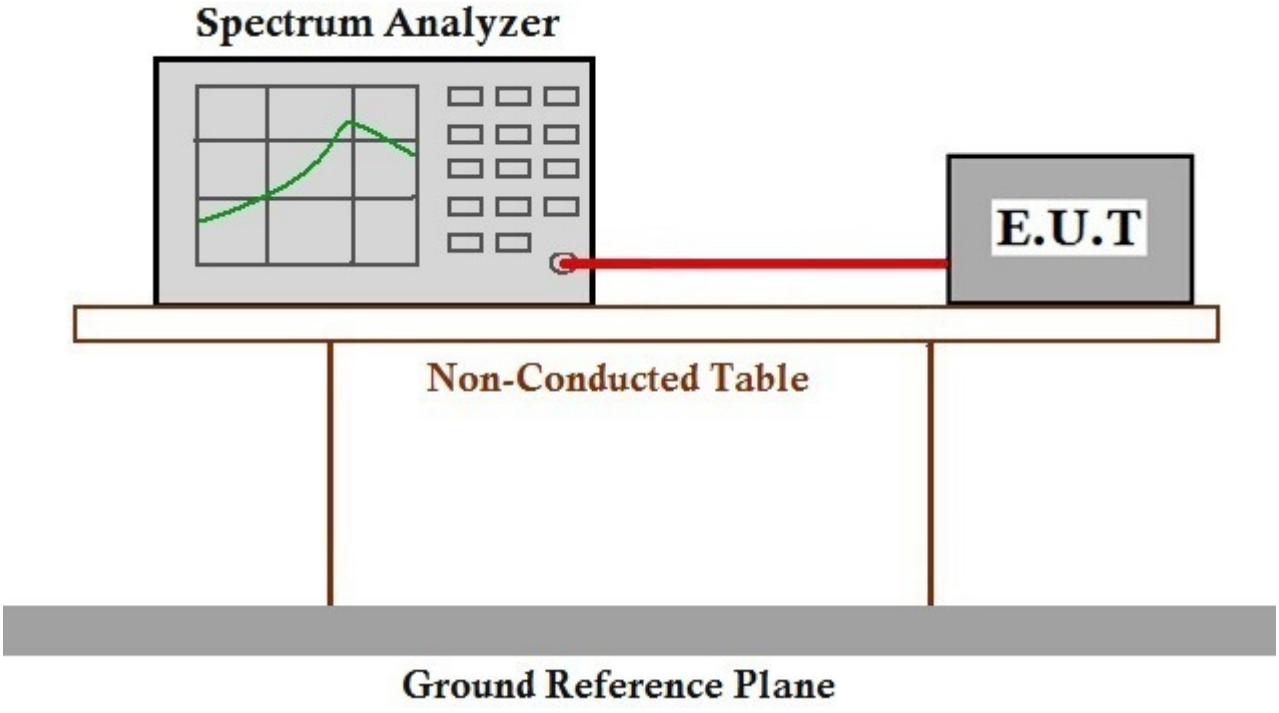
7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.1 °C Humidity: 58.1 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.1.2 Test Setup Diagram



7.1.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.2 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2); RSS-247 Section 5.2(a)

Test Method: ANSI C63.10 (2013) Section 11.8.1

Limit: ≥500 kHz

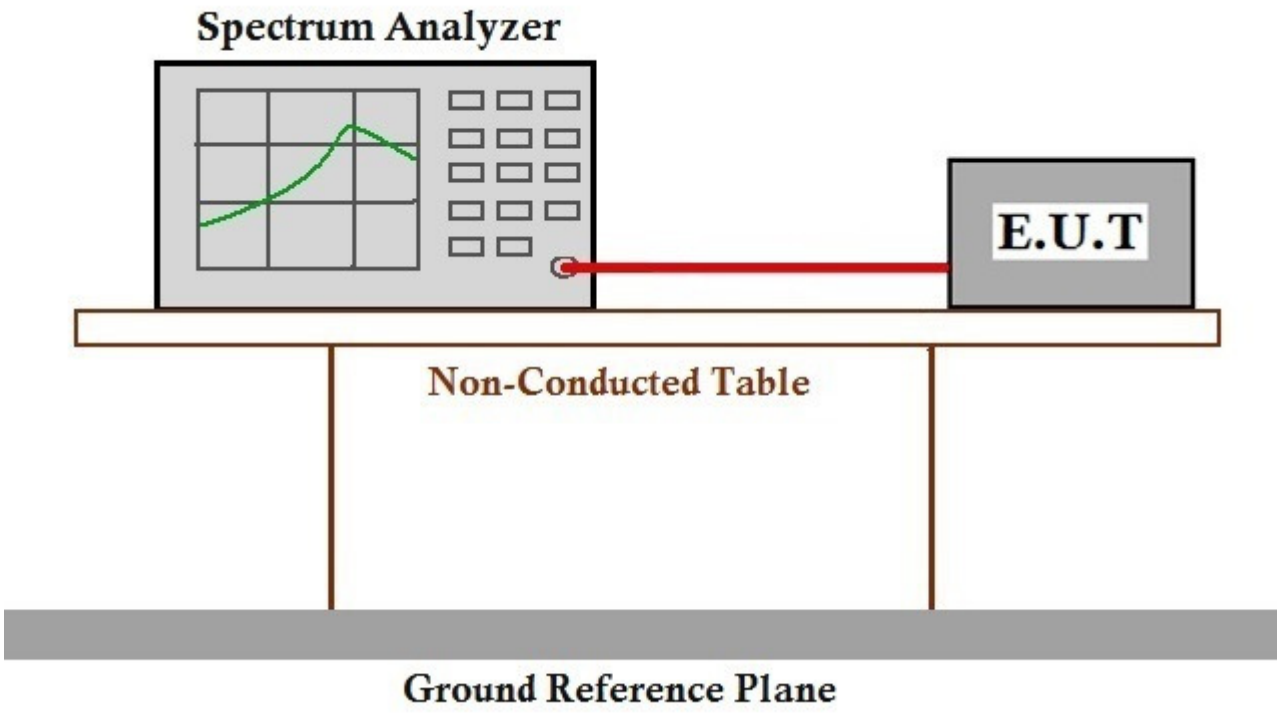
7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C Humidity: 51.2 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.2.2 Test Setup Diagram



7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.3 Conducted Output Power (Average)

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3); RSS-247 Section 5.4(d)

Test Method: ANSI C63.10 (2013) Section 11.9.2

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥50 hopping channels
	0.25 for 25≤ hopping channels <50
	1 for digital modulation
2400-2483.5	1 for ≥75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

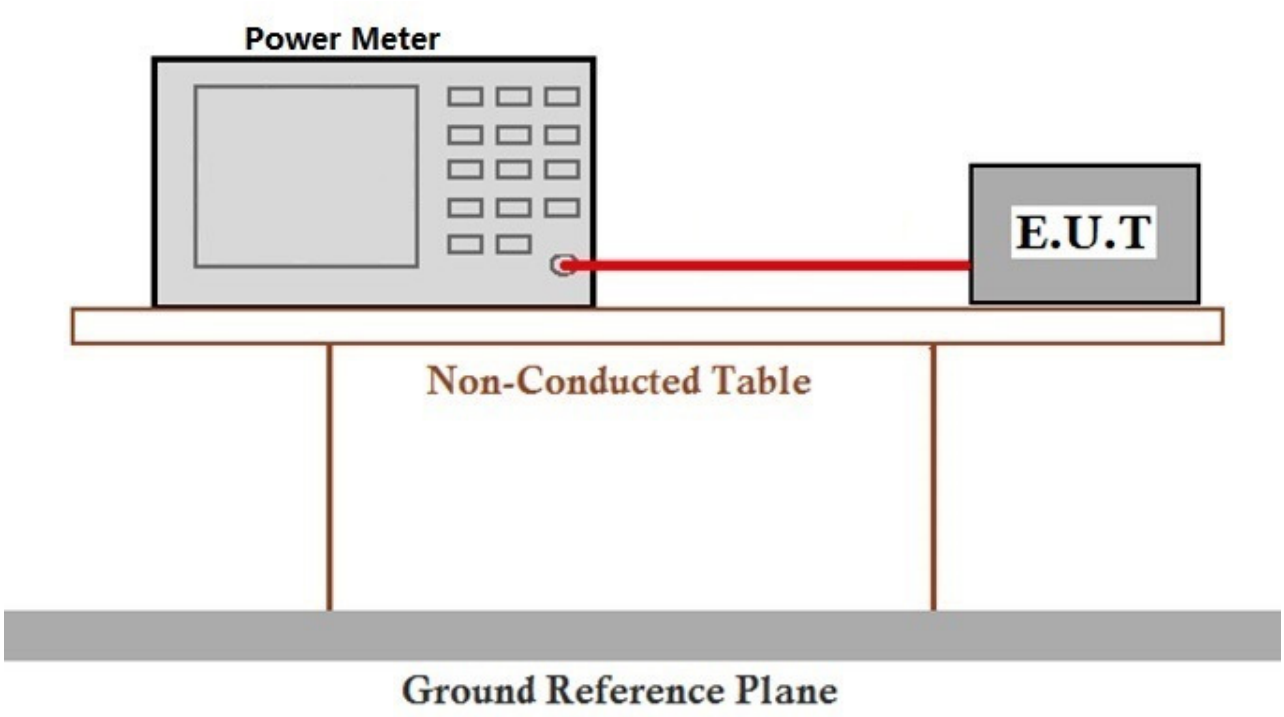
7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C Humidity: 50.9 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.3.2 Test Setup Diagram



7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.4 Power Spectrum Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e); RSS-247 Clause 5.2(b)

Test Method: ANSI C63.10 (2013) Section 11.10.2

Limit: ≤8dBm in any 3 kHz band during any time interval of continuous transmission

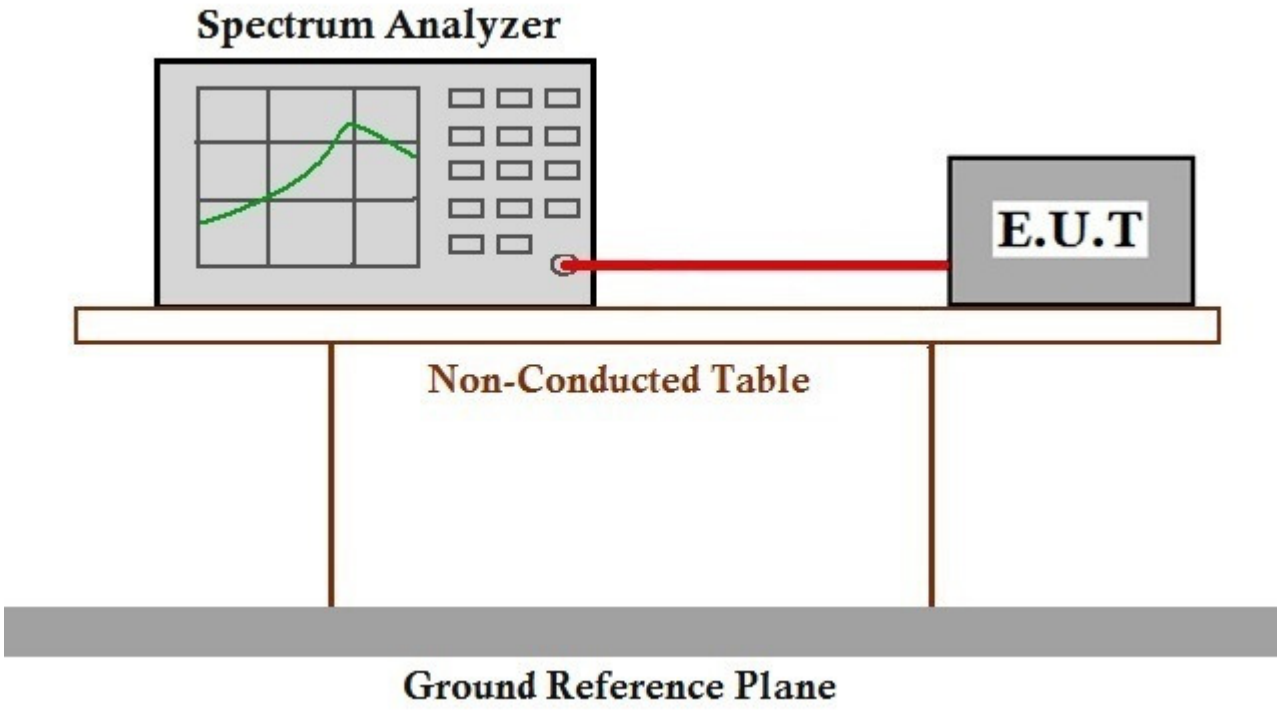
7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C Humidity: 51.2 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.4.2 Test Setup Diagram



7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.5 Conducted Band Edges Measurement

Test Requirement: 47 CFR Part 15, Subpart C 15.247(d); RSS-247 Section 5.5

Test Method: ANSI C63.10 (2013) Section 11.13.3.2

Limit: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)

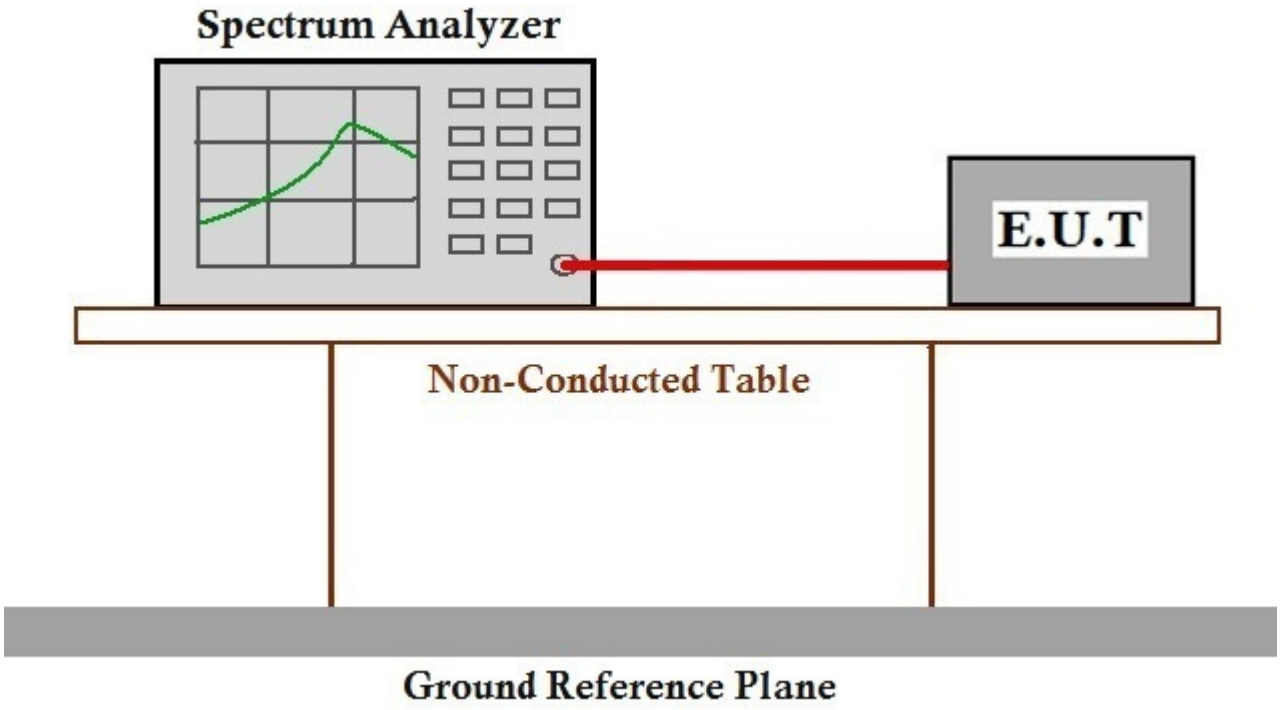
7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C Humidity: 51.4 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.5.2 Test Setup Diagram



7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.6 Conducted Spurious Emissions

Test Requirement: 47 CFR Part 15, Subpart C 15.247(d); RSS-247 Section 5.5

Test Method: ANSI C63.10 (2013) Section 11.11

Limit: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)

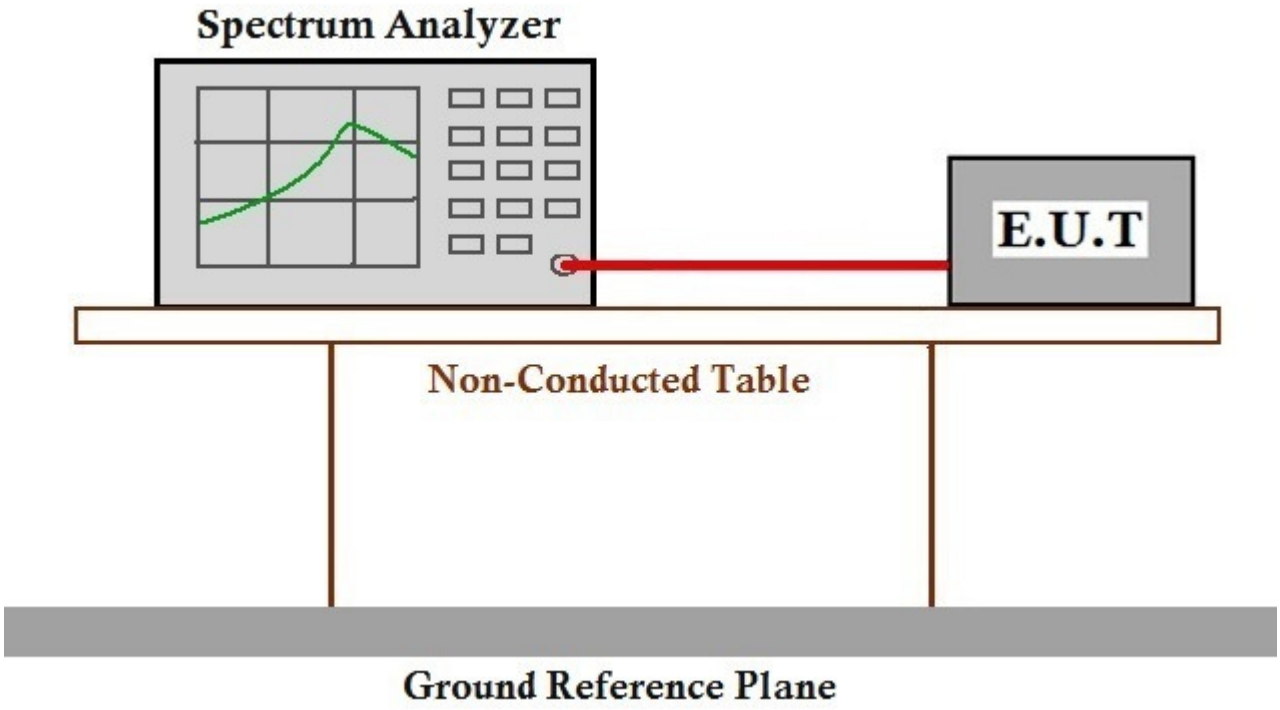
7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C Humidity: 51.4 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.6.2 Test Setup Diagram



7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.7 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209; RSS-247 Section 3.3 & RSS-Gen Section 8.9

Test Method: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.		

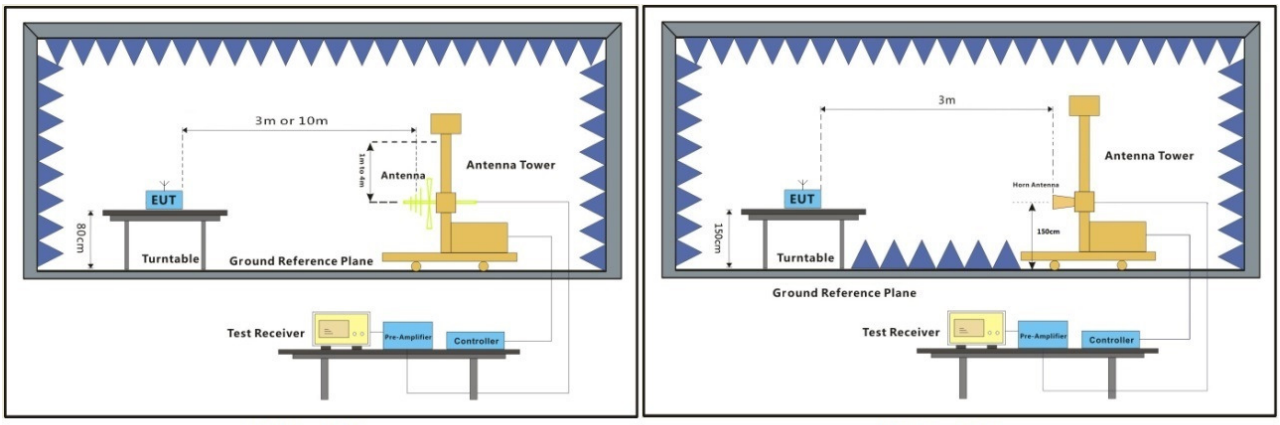
7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 26.3 °C Humidity: 53.7 % RH Atmospheric Pressure: 1010 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

7.7.2 Test Setup Diagram



30MHz-1GHz Above 1GHz

7.7.3 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

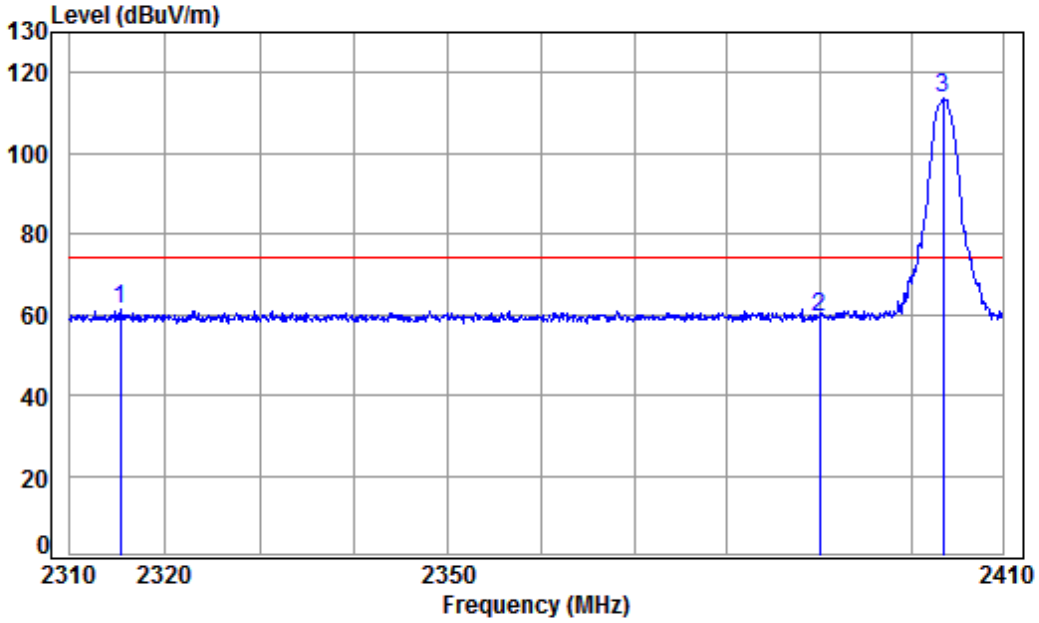
j. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

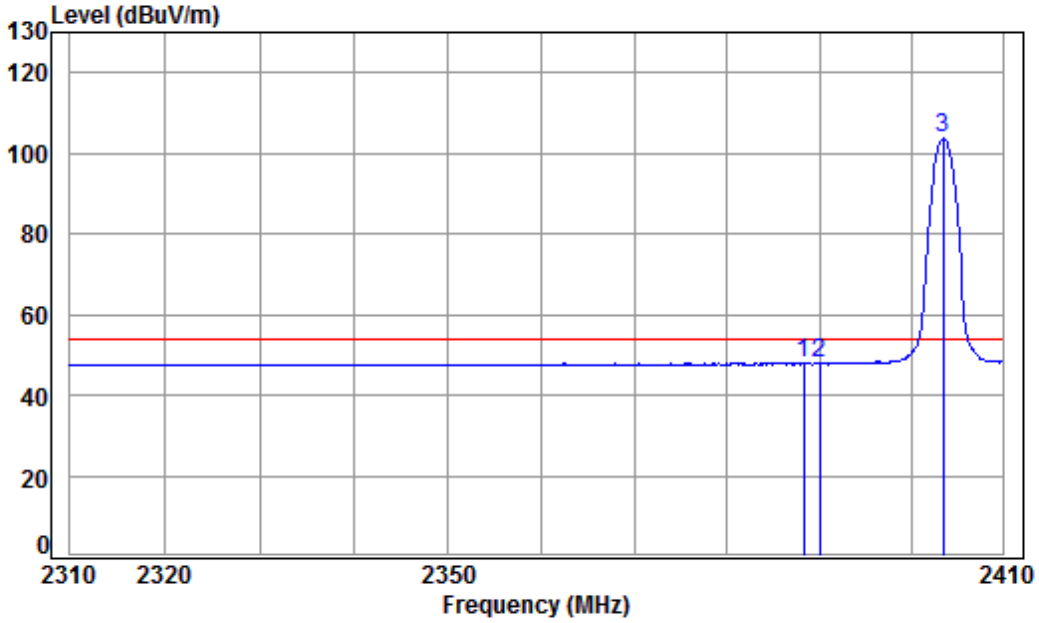
Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:Low; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2403.5 Band edge
Note : L1P 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2315.292	3.27	28.39	0.00	29.58	61.24	74.00	-12.76	peak
2	2390.000	3.33	28.52	0.00	27.26	59.11	74.00	-14.89	peak
3 pp	2403.500	3.34	28.54	0.00	81.67	113.55	74.00	39.55	peak

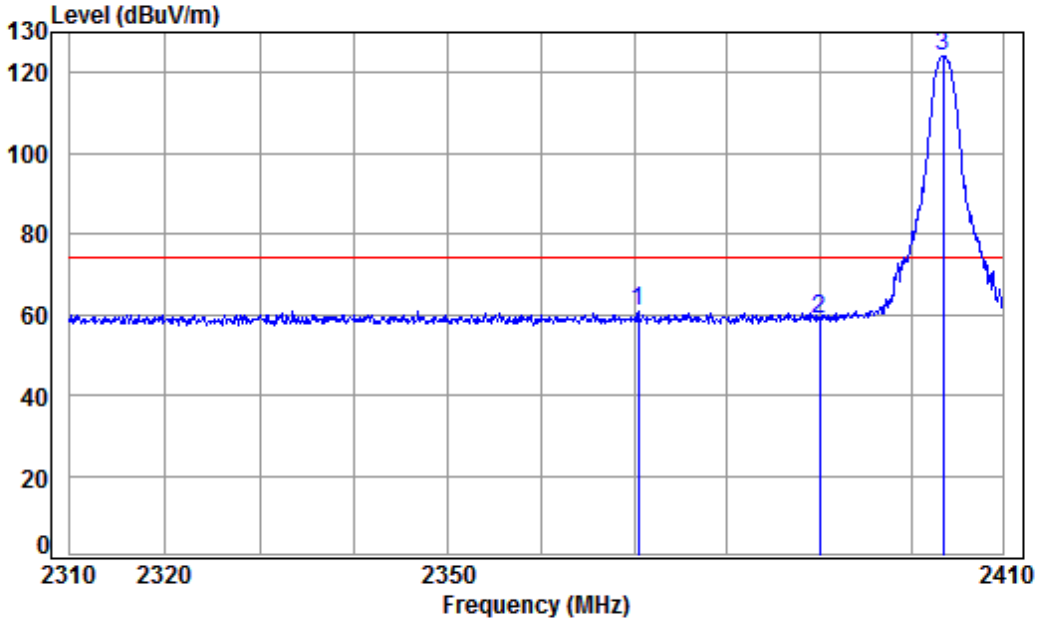
Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:Low; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2403.5 Band edge
Note : L1P 1.4M ANT1

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		2388.343	3.33	28.52	0.00	16.06	47.91	54.00	-6.09	Average
2		2390.000	3.33	28.52	0.00	15.95	47.80	54.00	-6.20	Average
3	pp	2403.500	3.34	28.54	0.00	71.72	103.60	54.00	49.60	Average

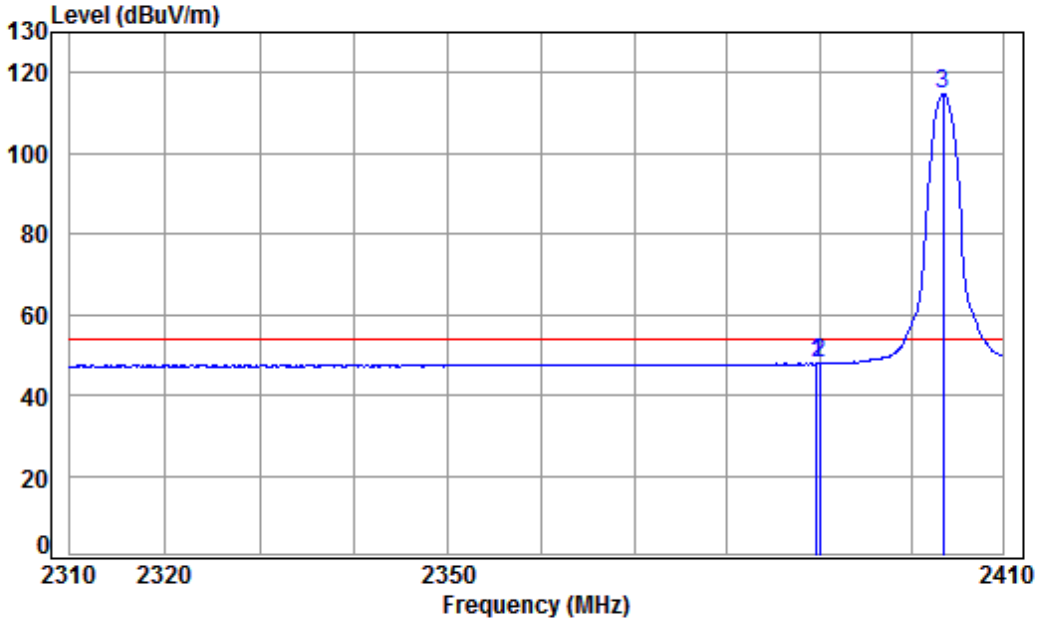
Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:Low; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2403.5 Band edge
Note : L1P 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2370.395	3.31	28.49	0.00	29.16	60.96	74.00	-13.04	peak
2	2390.000	3.33	28.52	0.00	26.96	58.81	74.00	-15.19	peak
3 pp	2403.500	3.34	28.54	0.00	92.39	124.27	74.00	50.27	peak

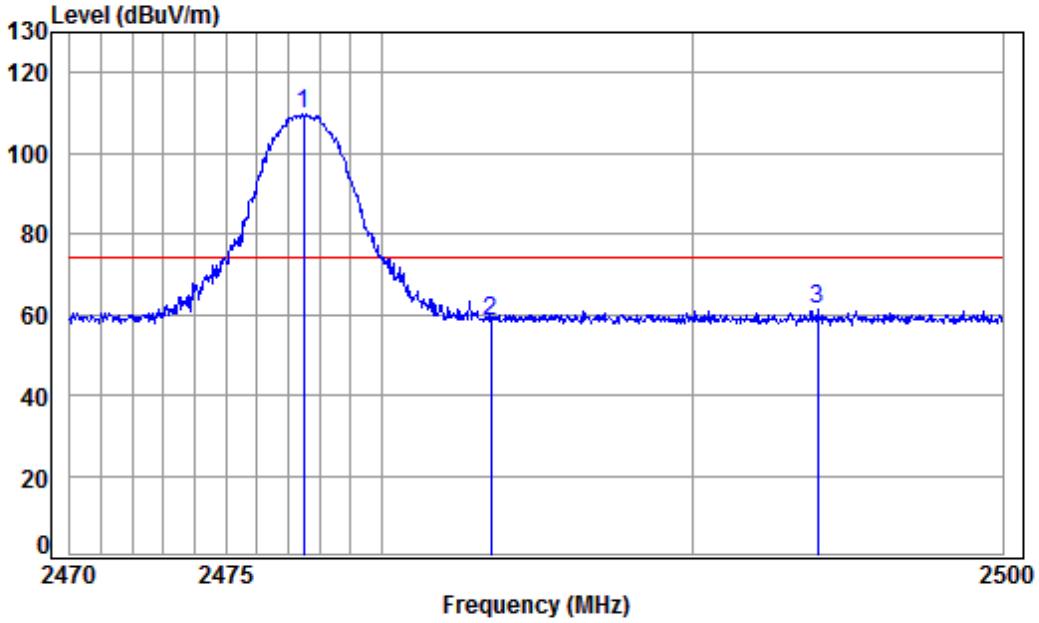
Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:Low; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2403.5 Band edge
Note : L1P 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.761	3.33	28.52	0.00	15.96	47.81	54.00	-6.19	Average
2	2390.000	3.33	28.52	0.00	15.88	47.73	54.00	-6.27	Average
3 pp	2403.500	3.34	28.54	0.00	82.77	114.65	54.00	60.65	Average

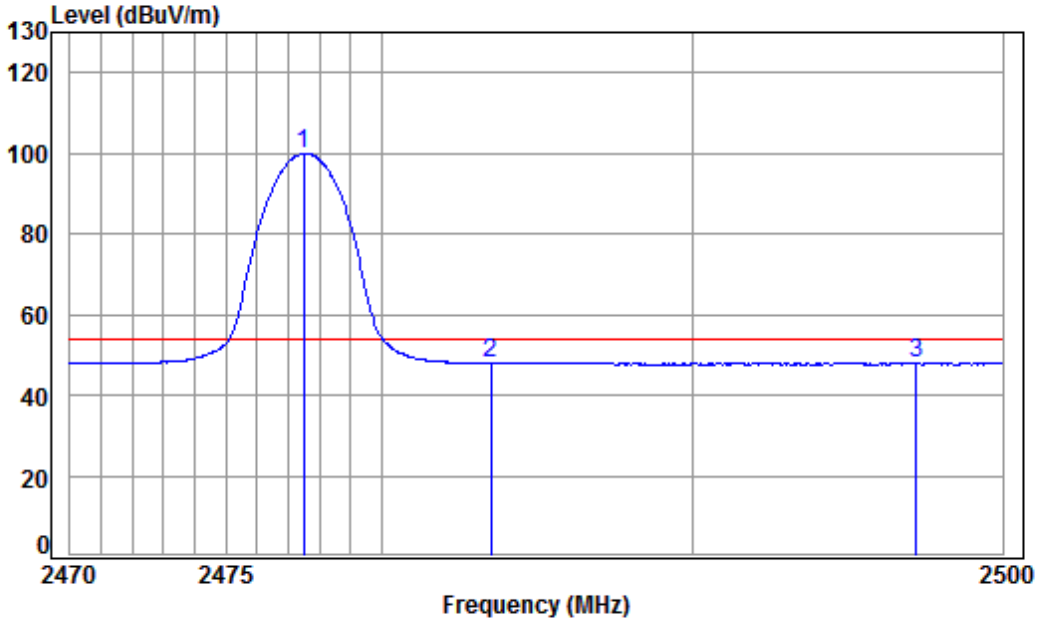
Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:High; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2477.5 Band edge
Note : L1P 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2477.500	3.40	28.66	0.00	77.86	109.92	74.00	35.92	peak
2	2483.500	3.41	28.67	0.00	26.31	58.39	74.00	-15.61	peak
3	2494.031	3.42	28.69	0.00	29.08	61.19	74.00	-12.81	peak

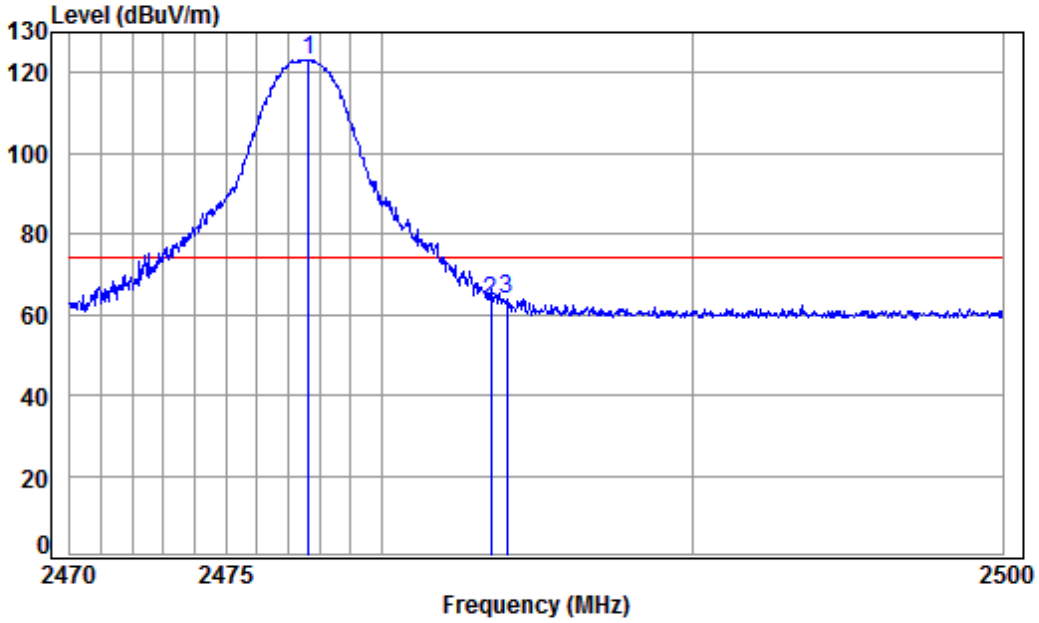
Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:High; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2477.5 Band edge
Note : L1P 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2477.500	3.40	28.66	0.00	67.84	99.90	54.00	45.90	Average
2	2483.500	3.41	28.67	0.00	15.85	47.93	54.00	-6.07	Average
3	2497.195	3.42	28.70	0.00	15.82	47.94	54.00	-6.06	Average

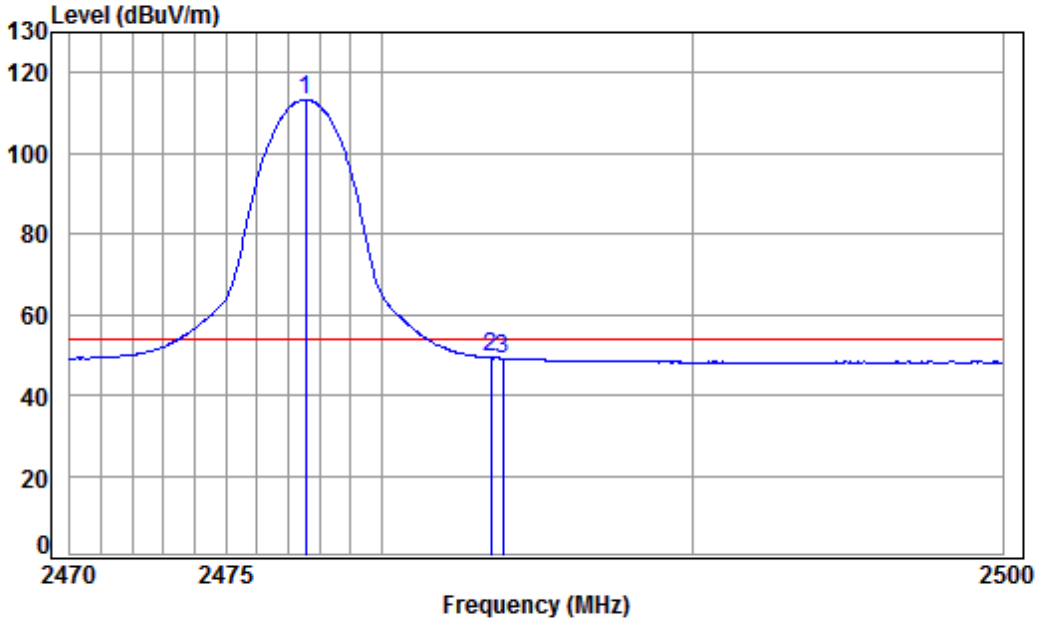
Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:High; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2477.5 Band edge
Note : L1P 1.4M ANT1

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2477.646	3.40	28.66	0.00	91.19	123.25	74.00	49.25	peak
2		2483.500	3.41	28.67	0.00	30.95	63.03	74.00	-10.97	peak
3		2483.995	3.41	28.67	0.00	31.74	63.82	74.00	-10.18	peak

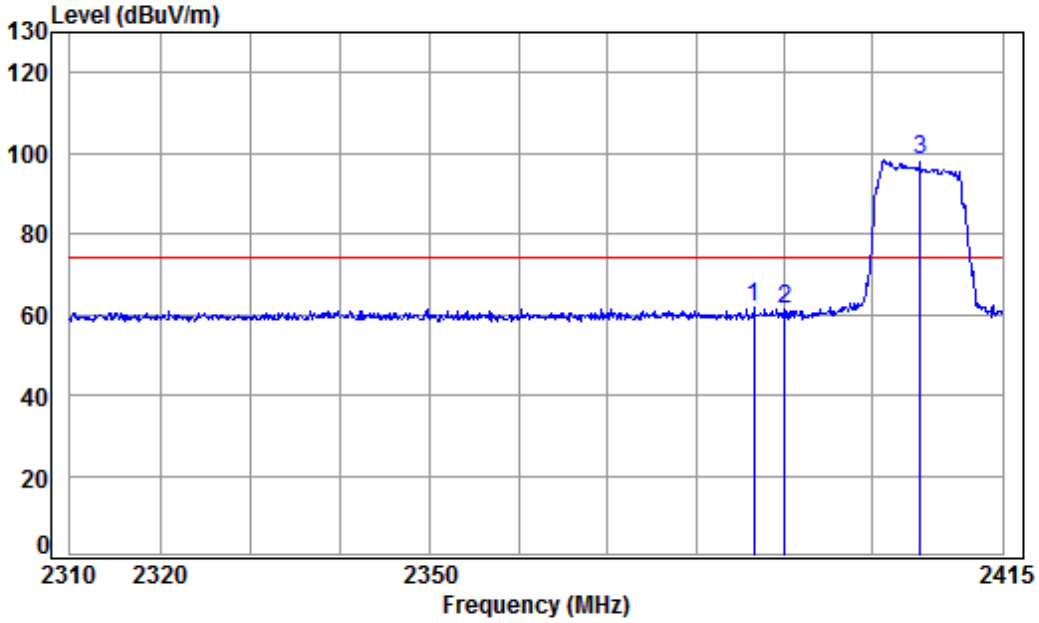
Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:High; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2477.5 Band edge
Note : L1P 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2477.556	3.40	28.66	0.00	81.21	113.27	54.00	59.27	Average
2	2483.500	3.41	28.67	0.00	17.19	49.27	54.00	-4.73	Average
3	2483.875	3.41	28.67	0.00	17.05	49.13	54.00	-4.87	Average

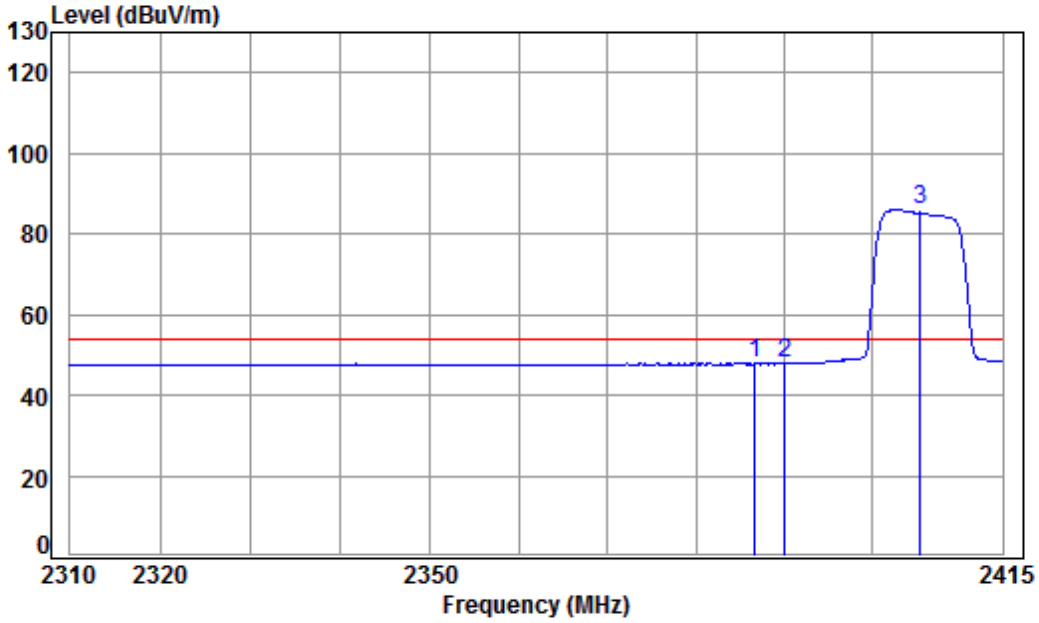
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2405.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2405.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2386.507	3.33	28.51	0.00	30.07	61.91	74.00	-12.09	peak
2	2390.000	3.33	28.52	0.00	29.24	61.09	74.00	-12.91	peak
3 pp	2405.500	3.34	28.54	0.00	66.32	98.20	74.00	24.20	peak

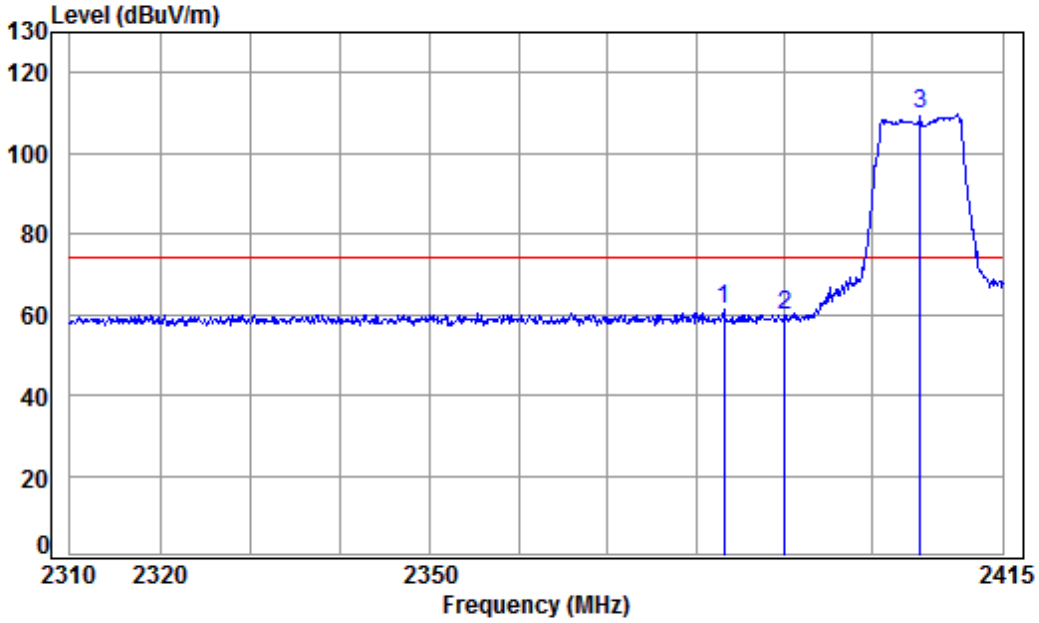
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2405.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2405.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2386.613	3.33	28.51	0.00	16.08	47.92	54.00	-6.08	Average
2	2390.000	3.33	28.52	0.00	16.04	47.89	54.00	-6.11	Average
3 pp	2405.500	3.34	28.54	0.00	54.04	85.92	54.00	31.92	Average

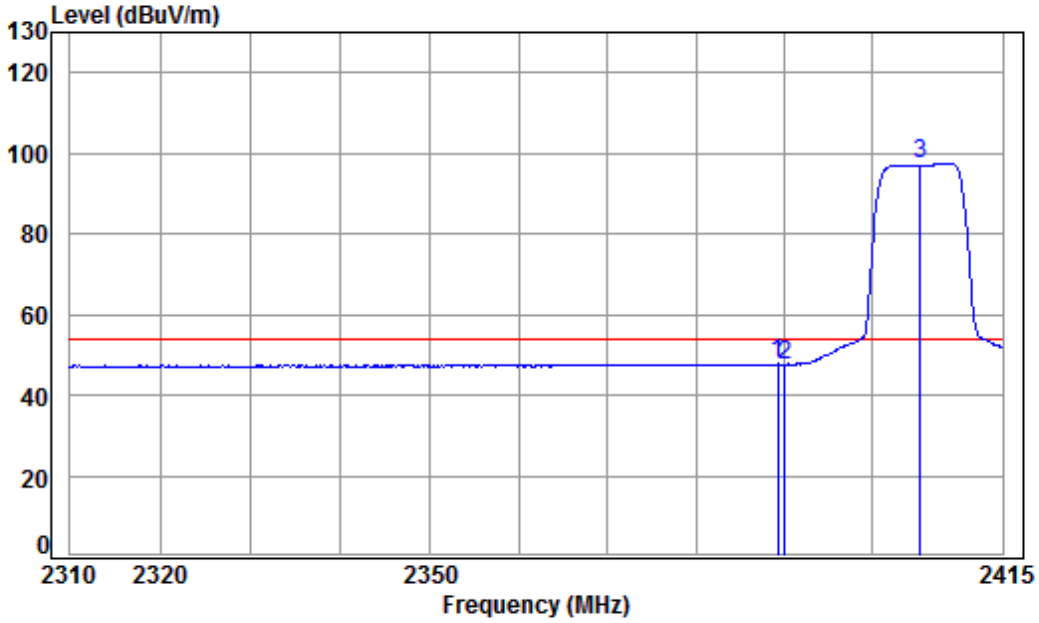
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2405.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2405.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2383.115	3.32	28.51	0.00	29.35	61.18	74.00	-12.82	peak
2	2390.000	3.33	28.52	0.00	27.77	59.62	74.00	-14.38	peak
3 pp	2405.500	3.35	28.55	0.00	77.75	109.65	74.00	35.65	peak

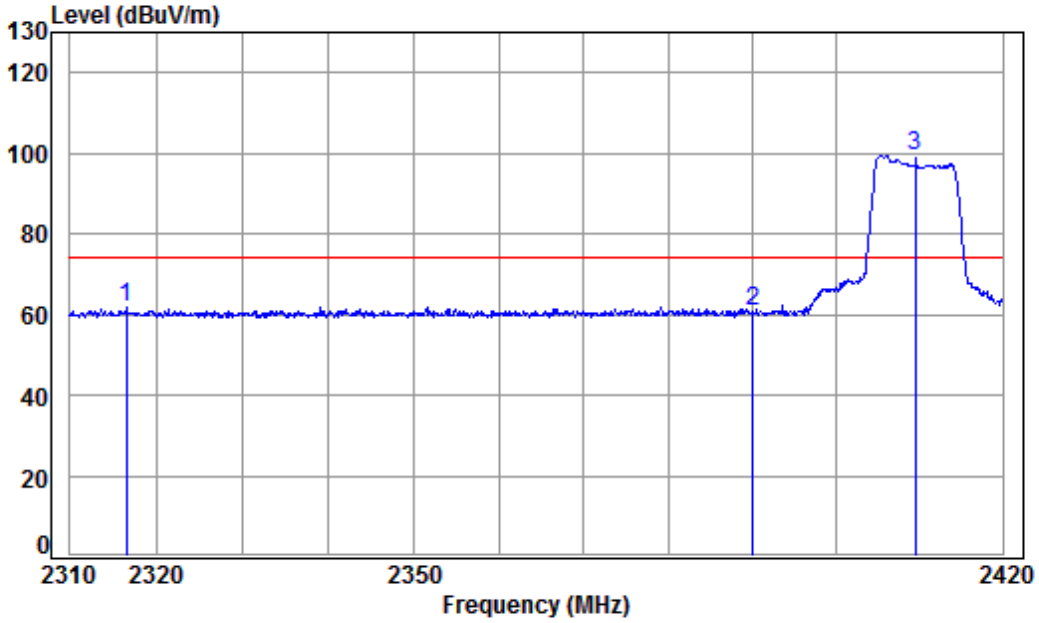
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2405.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2405.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.267	3.33	28.52	0.00	15.87	47.72	54.00	-6.28	Average
2	2390.000	3.33	28.52	0.00	15.72	47.57	54.00	-6.43	Average
3 pp	2405.500	3.35	28.55	0.00	65.51	97.41	54.00	43.41	Average

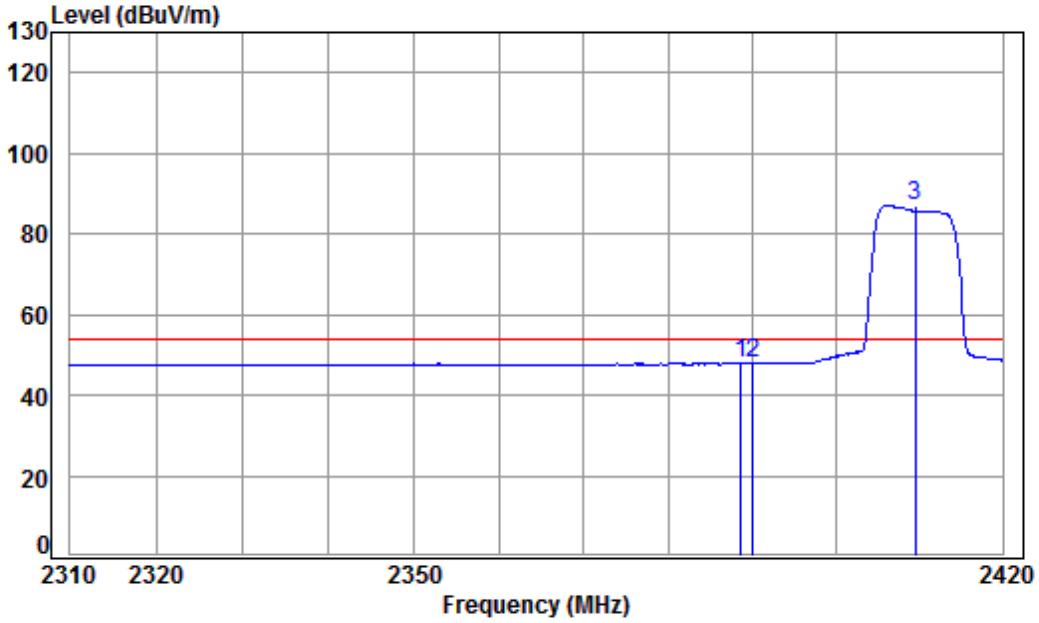
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2409.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2409.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2316.564	3.27	28.39	0.00	30.36	62.02	74.00	-11.98	peak
2	2390.000	3.33	28.52	0.00	29.02	60.87	74.00	-13.13	peak
3 pp	2409.500	3.34	28.54	0.00	67.71	99.59	74.00	25.59	peak

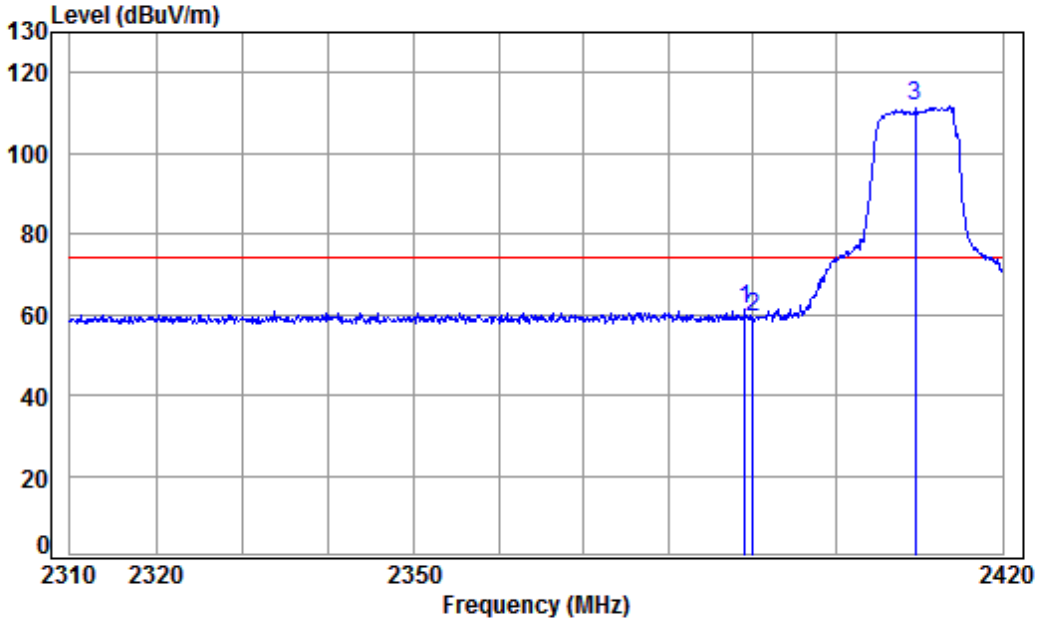
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2409.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2409.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.571	3.33	28.52	0.00	16.05	47.90	54.00	-6.10	Average
2	2390.000	3.33	28.52	0.00	15.98	47.83	54.00	-6.17	Average
3 pp	2409.500	3.34	28.55	0.00	55.17	87.06	54.00	33.06	Average

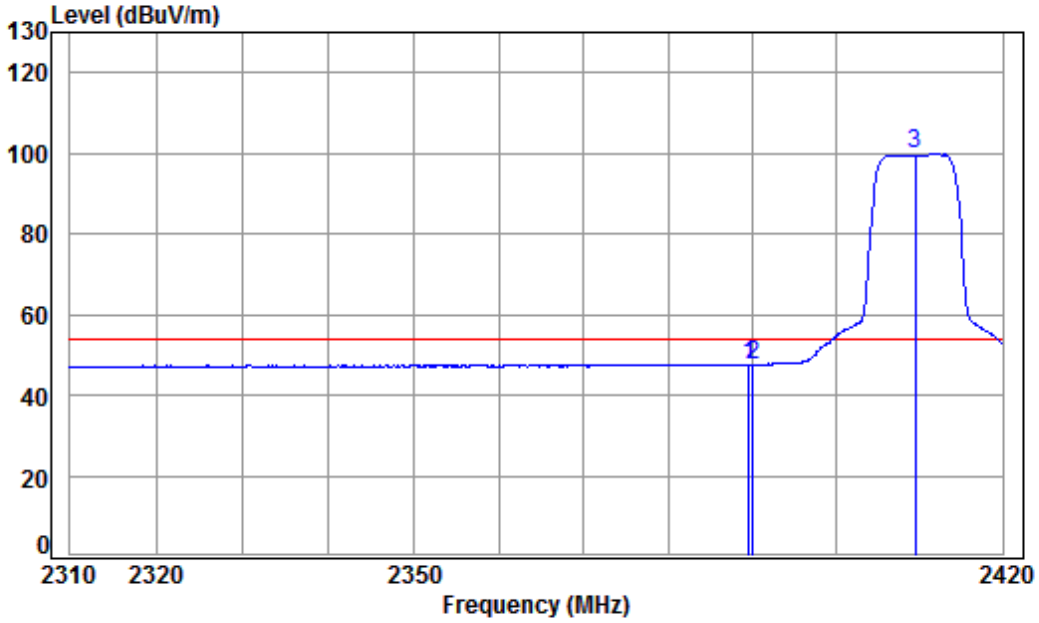
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2409.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2409.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.127	3.33	28.52	0.00	29.23	61.08	74.00	-12.92	peak
2	2390.000	3.33	28.52	0.00	27.69	59.54	74.00	-14.46	peak
3 pp	2409.500	3.35	28.56	0.00	79.81	111.72	74.00	37.72	peak

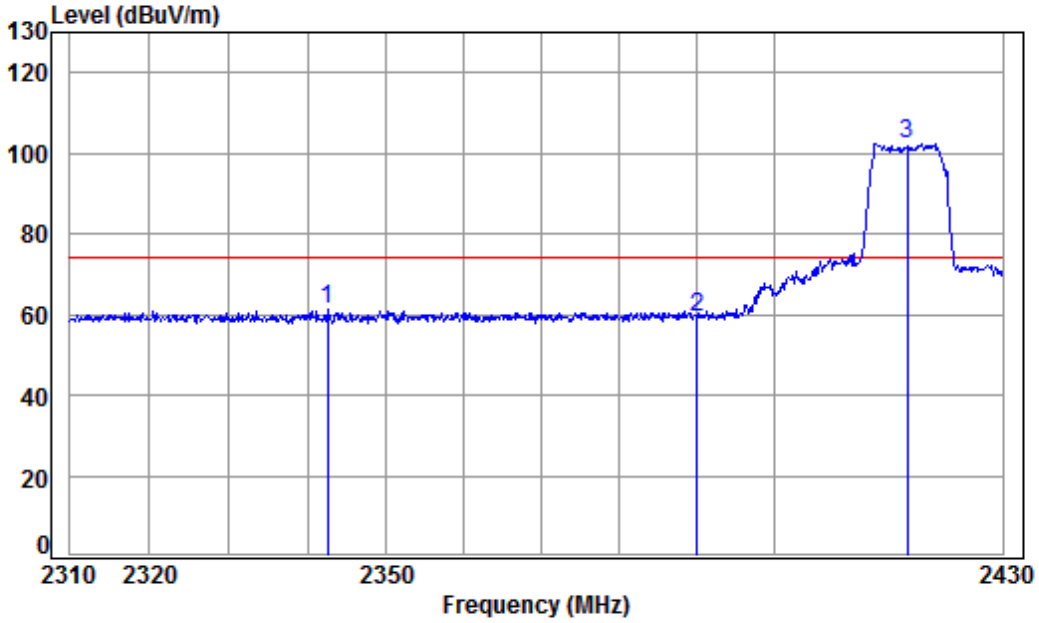
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2409.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2409.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.572	3.33	28.52	0.00	15.82	47.67	54.00	-6.33	Average
2	2390.000	3.33	28.52	0.00	15.66	47.51	54.00	-6.49	Average
3 pp	2409.500	3.35	28.55	0.00	67.78	99.68	54.00	45.68	Average

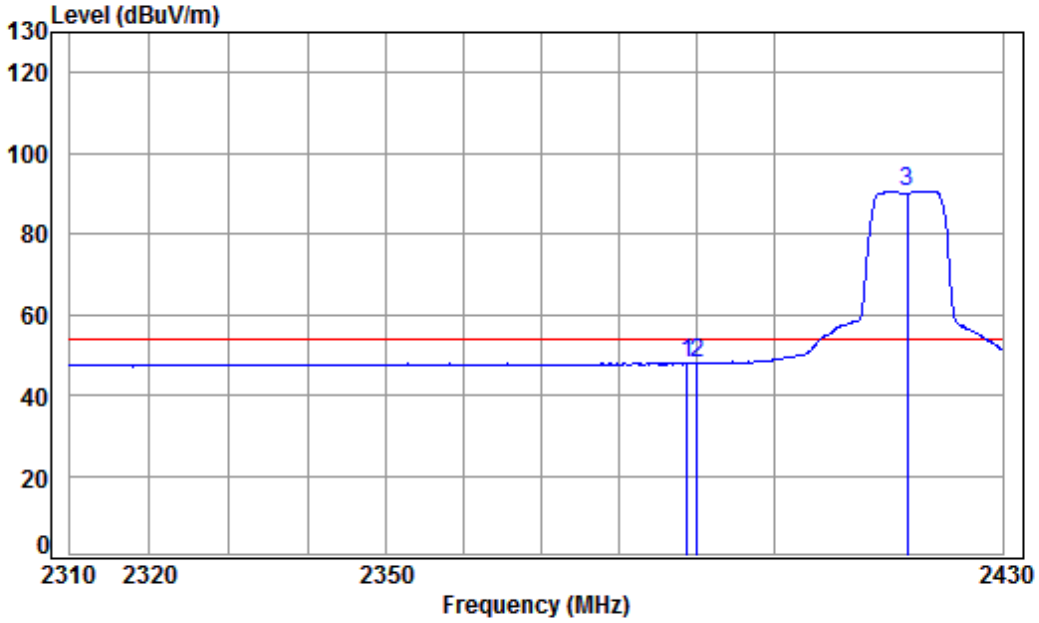
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2417.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2417.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2342.515	3.29	28.44	0.00	29.47	61.20	74.00	-12.80	peak
2	2390.000	3.33	28.52	0.00	27.34	59.19	74.00	-14.81	peak
3 pp	2417.500	3.35	28.56	0.00	70.50	102.41	74.00	28.41	peak

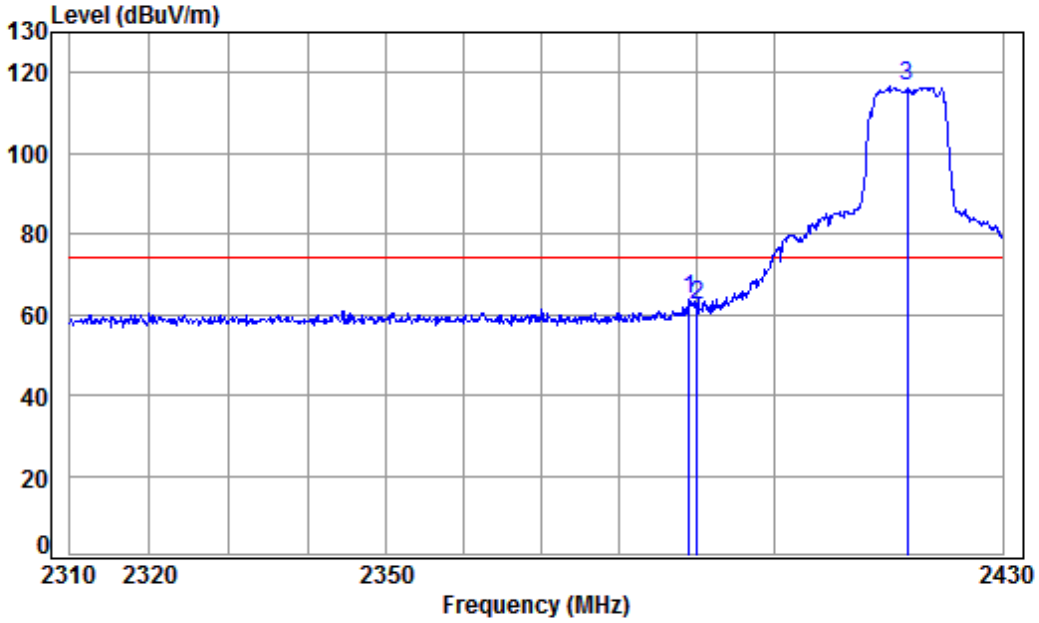
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2417.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2417.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.758	3.33	28.52	0.00	16.06	47.91	54.00	-6.09	Average
2	2390.000	3.33	28.52	0.00	15.99	47.84	54.00	-6.16	Average
3 pp	2417.500	3.35	28.57	0.00	58.67	90.59	54.00	36.59	Average

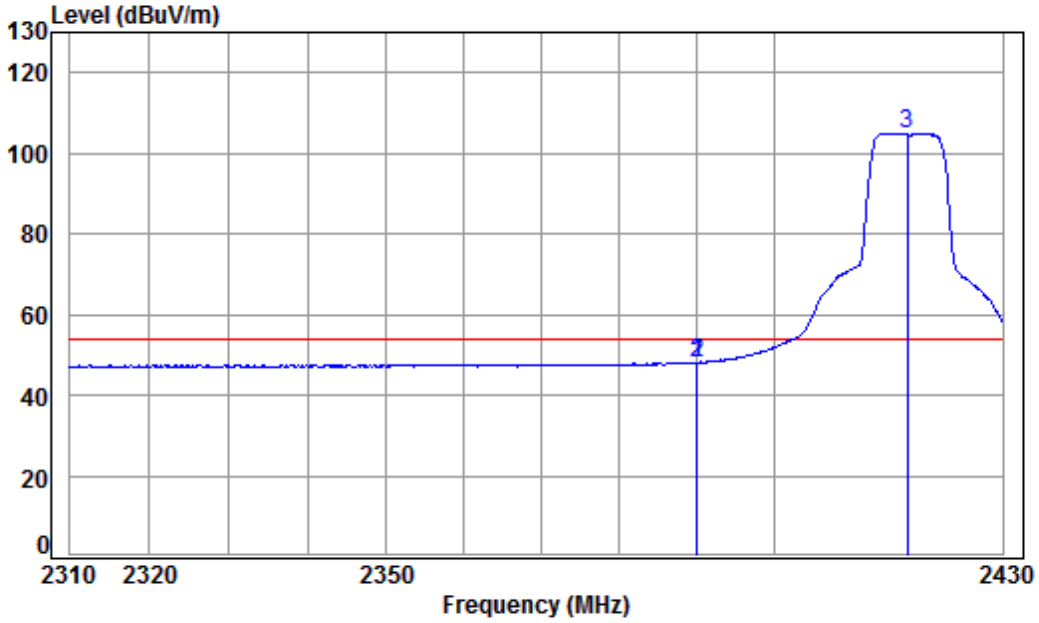
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2417.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2417.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.000	3.33	28.52	0.00	32.01	63.86	74.00	-10.14	peak
2	2390.000	3.33	28.52	0.00	30.61	62.46	74.00	-11.54	peak
3 pp	2417.500	3.35	28.56	0.00	84.64	116.55	74.00	42.55	peak

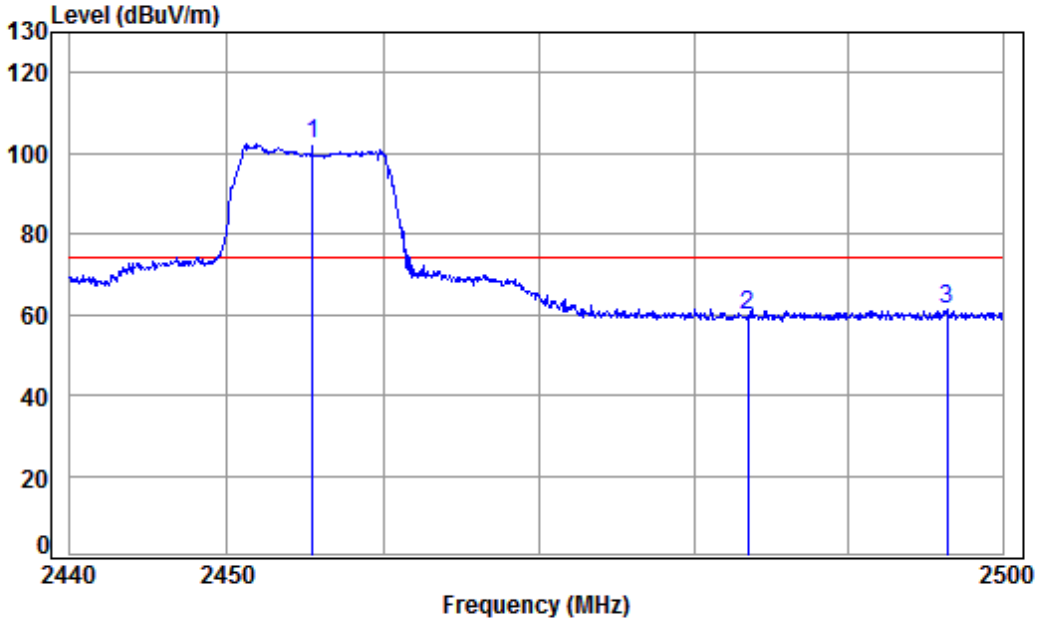
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2417.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2417.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.968	3.33	28.52	0.00	16.19	48.04	54.00	-5.96	Average
2	2390.000	3.33	28.52	0.00	16.19	48.04	54.00	-5.96	Average
3 pp	2417.500	3.35	28.56	0.00	73.02	104.93	54.00	50.93	Average

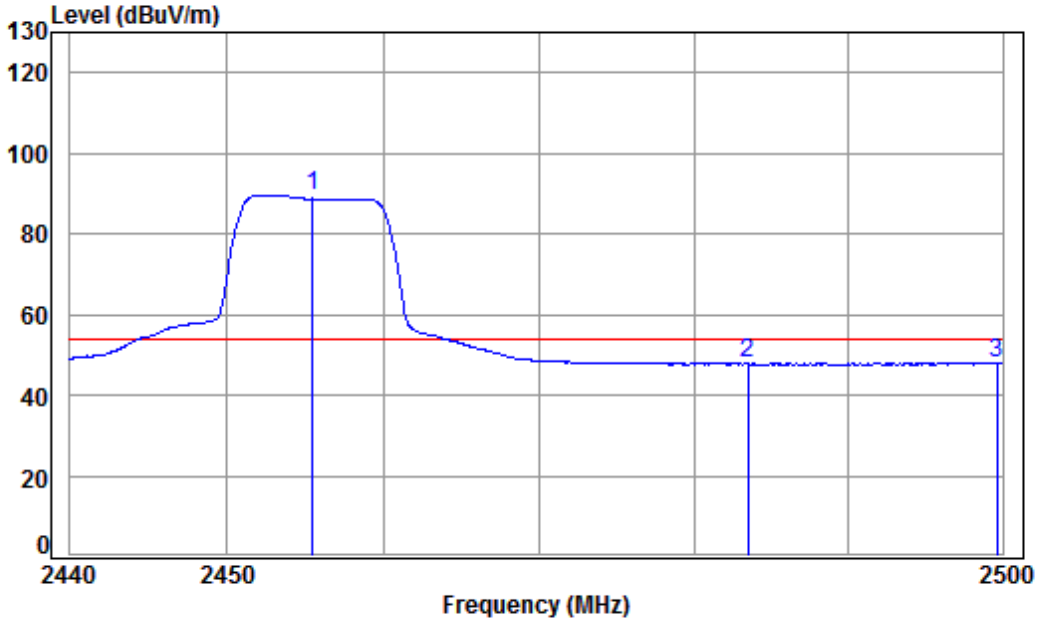
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2455.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2455.5 Band edge
Note : L1P 10M ANT1

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2455.500	3.38	28.62	0.00	70.11	102.11	74.00	28.11	peak
2		2483.500	3.41	28.67	0.00	27.50	59.58	74.00	-14.42	peak
3		2496.359	3.42	28.69	0.00	29.07	61.18	74.00	-12.82	peak

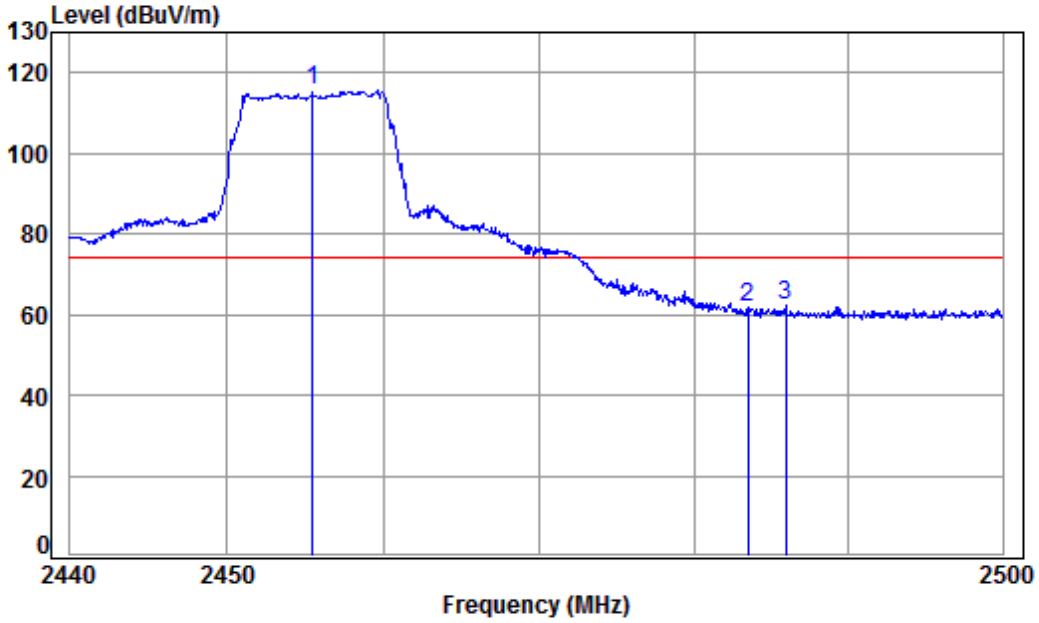
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2455.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2455.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2455.500	3.38	28.62	0.00	57.71	89.71	54.00	35.71	Average
2	2483.500	3.41	28.67	0.00	15.63	47.71	54.00	-6.29	Average
3	2499.636	3.42	28.70	0.00	15.76	47.88	54.00	-6.12	Average

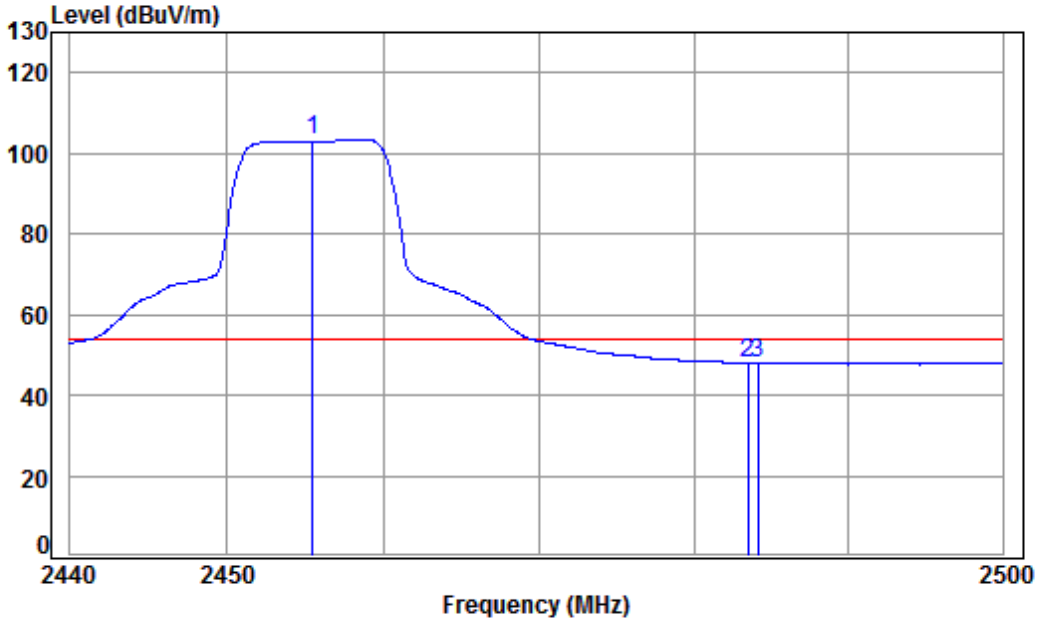
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2455.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2455.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2455.500	3.39	28.63	0.00	83.43	115.45	74.00	41.45	peak
2	2483.500	3.41	28.67	0.00	29.59	61.67	74.00	-12.33	peak
3	2485.889	3.41	28.68	0.00	29.95	62.04	74.00	-11.96	peak

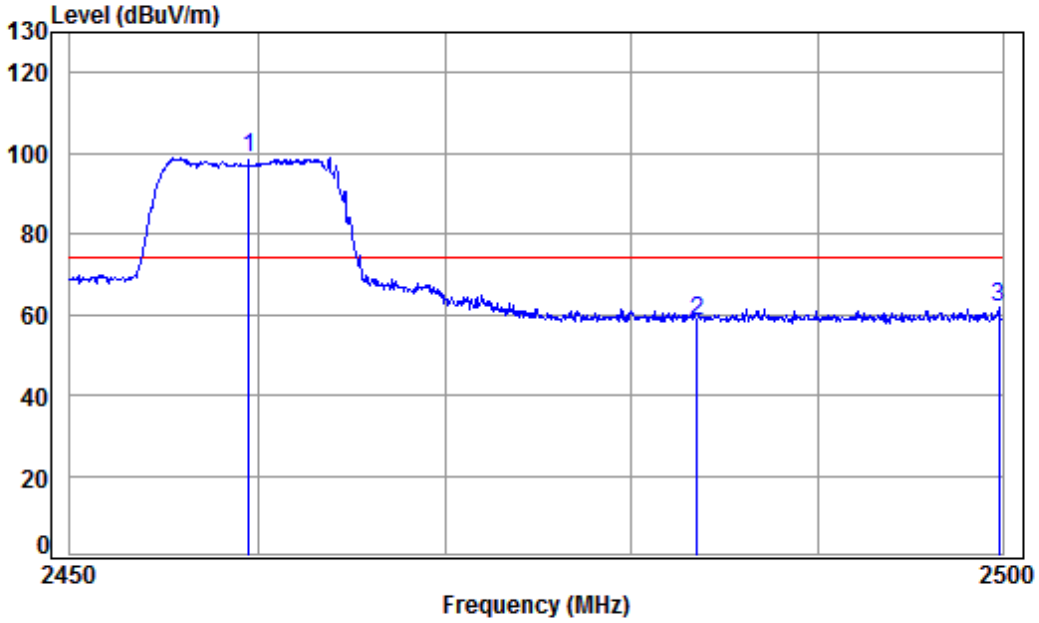
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2455.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2455.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2455.500	3.39	28.63	0.00	71.27	103.29	54.00	49.29	Average
2	2483.500	3.41	28.67	0.00	15.94	48.02	54.00	-5.98	Average
3	2484.139	3.41	28.67	0.00	15.92	48.00	54.00	-6.00	Average

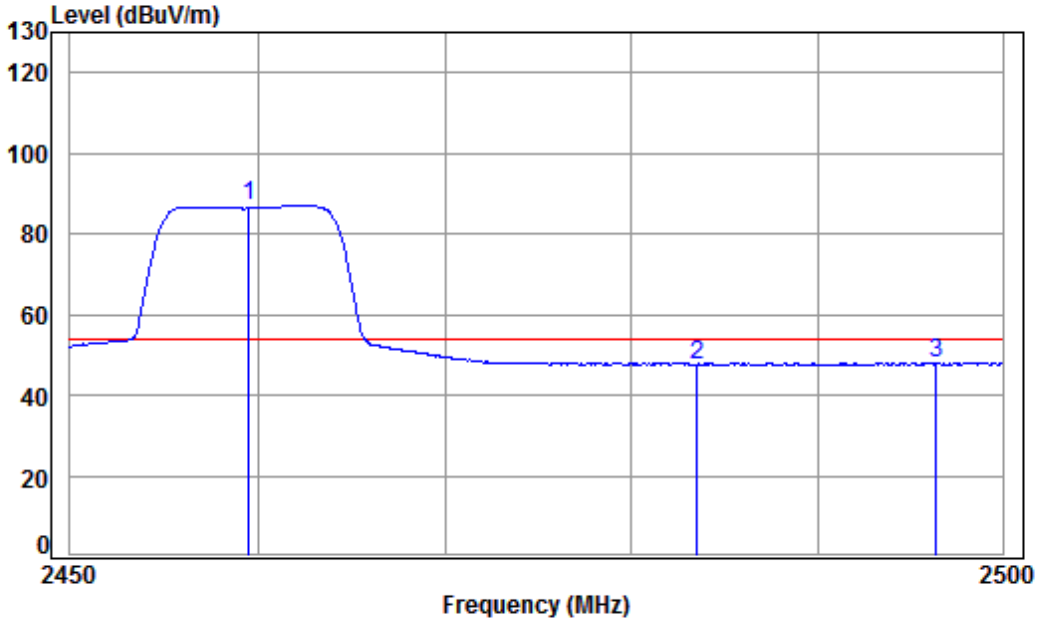
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2459.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2459.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2459.500	3.39	28.64	0.00	66.98	99.01	74.00	25.01	peak
2	2483.500	3.41	28.67	0.00	26.31	58.39	74.00	-15.61	peak
3	2499.798	3.42	28.70	0.00	29.48	61.60	74.00	-12.40	peak

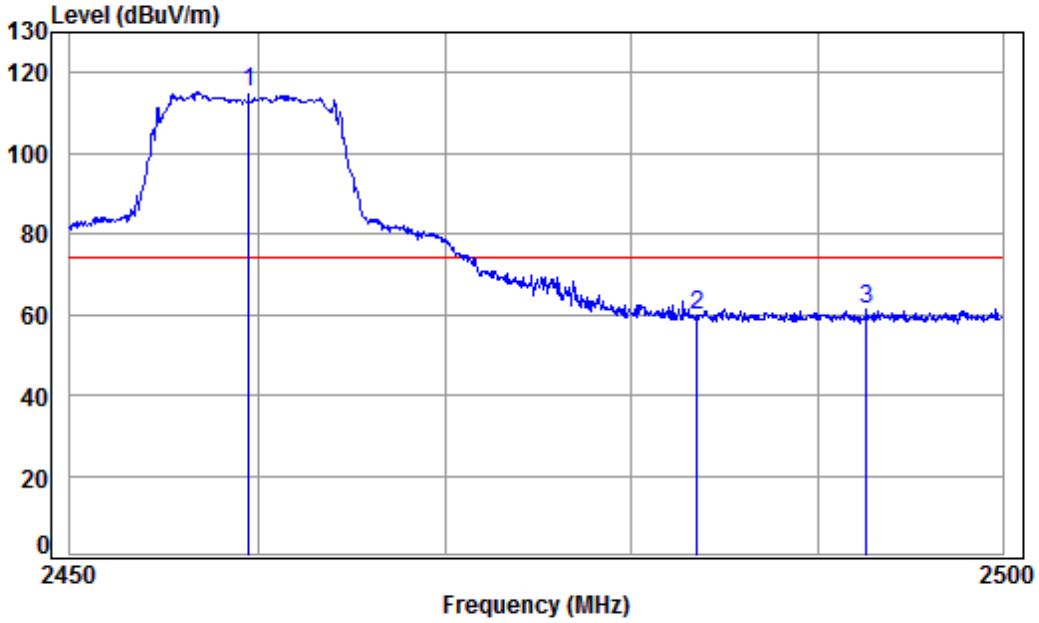
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2459.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2459.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2459.500	3.39	28.64	0.00	54.86	86.89	54.00	32.89	Average
2	2483.500	3.41	28.67	0.00	15.56	47.64	54.00	-6.36	Average
3	2496.417	3.42	28.69	0.00	15.80	47.91	54.00	-6.09	Average

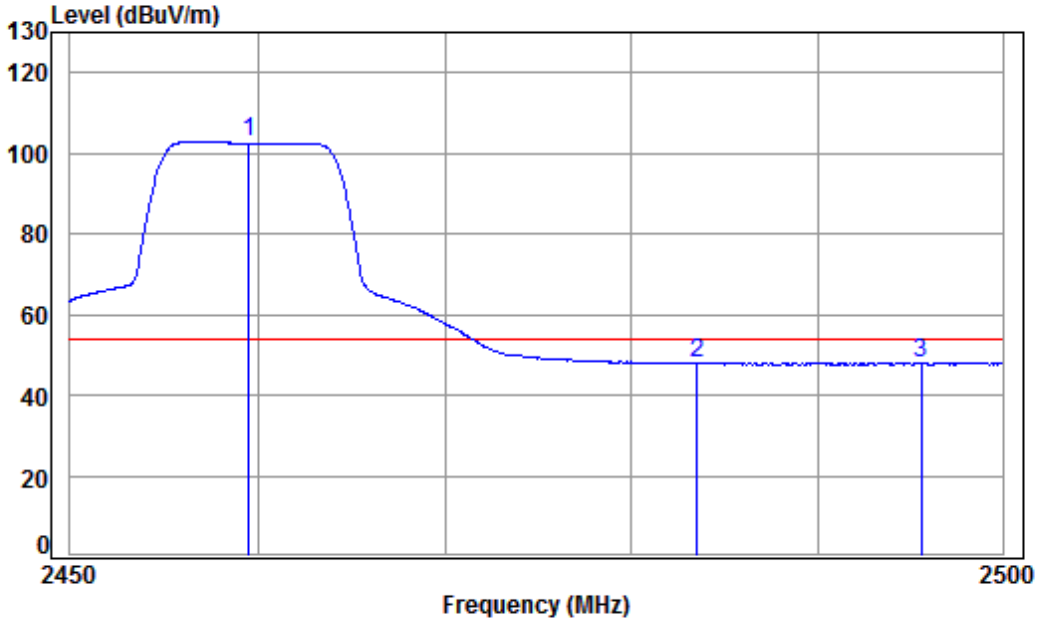
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2459.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2459.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2459.500	3.38	28.63	0.00	83.09	115.10	74.00	41.10	peak
2	2483.500	3.41	28.67	0.00	27.95	60.03	74.00	-13.97	peak
3	2492.637	3.41	28.69	0.00	29.23	61.33	74.00	-12.67	peak

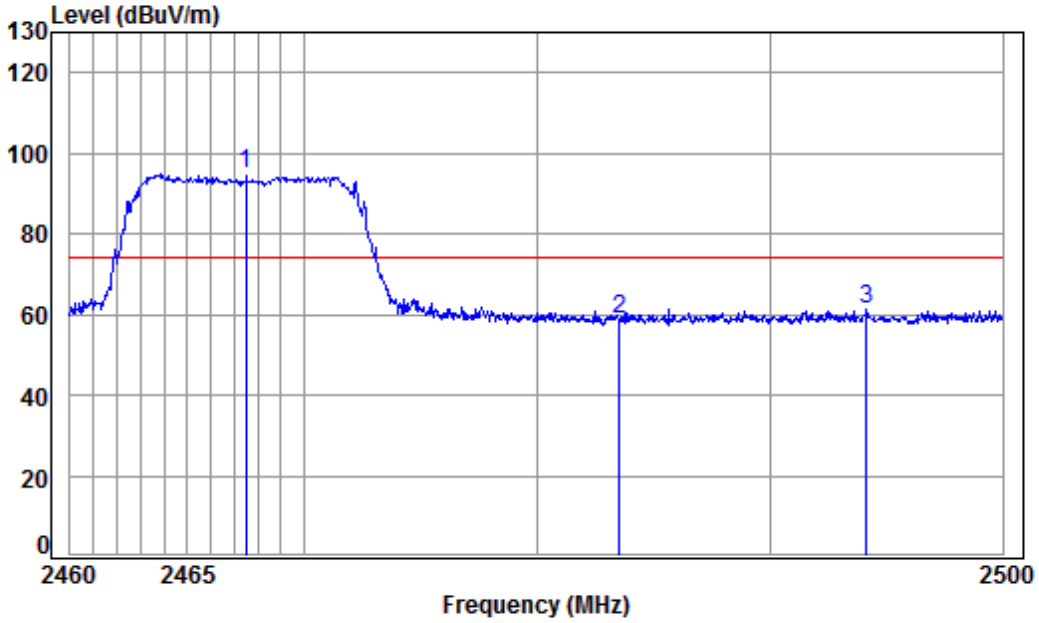
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2459.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2459.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2459.500	3.38	28.63	0.00	70.91	102.92	54.00	48.92	Average
2	2483.500	3.41	28.67	0.00	15.74	47.82	54.00	-6.18	Average
3	2495.610	3.42	28.69	0.00	15.83	47.94	54.00	-6.06	Average

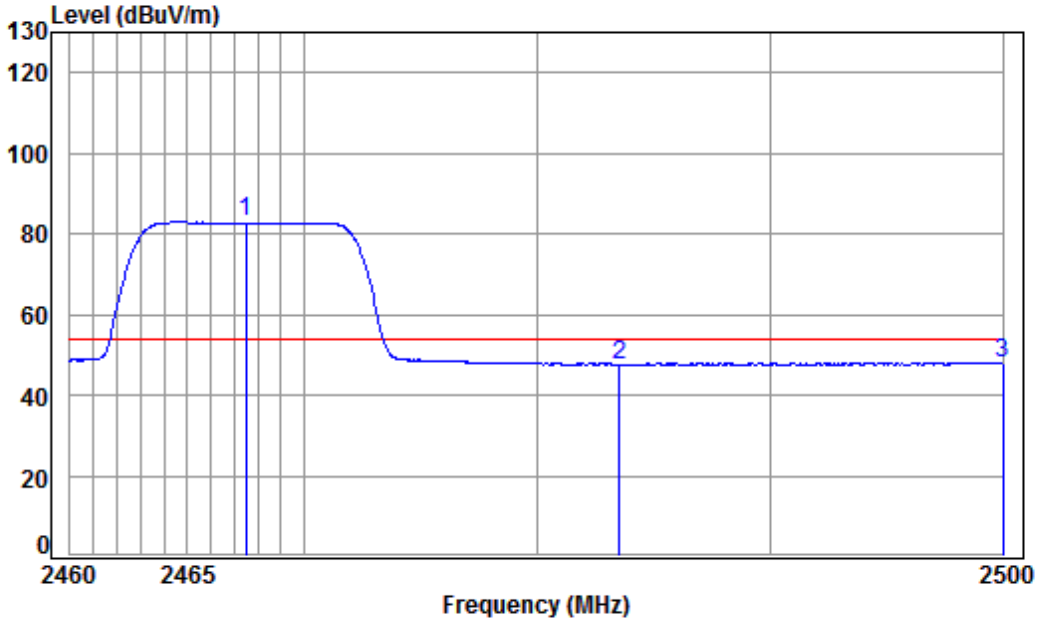
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2467.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2467.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2467.500	3.39	28.64	0.00	62.69	94.72	74.00	20.72	peak
2	2483.500	3.41	28.67	0.00	26.80	58.88	74.00	-15.12	peak
3	2494.120	3.42	28.69	0.00	29.35	61.46	74.00	-12.54	peak

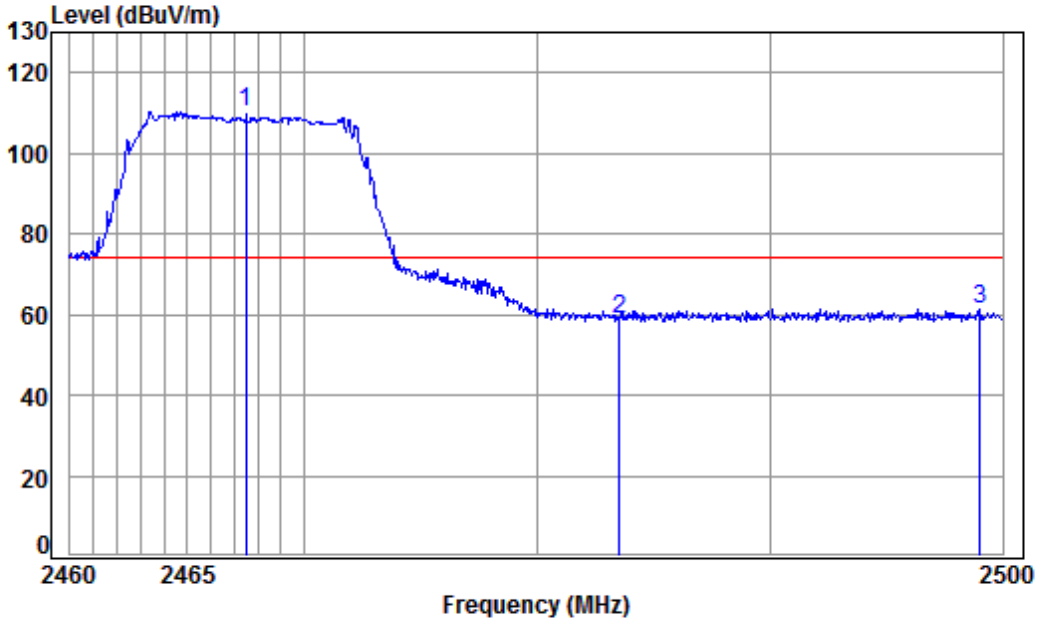
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2467.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2467.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2467.500	3.39	28.64	0.00	50.82	82.85	54.00	28.85	Average
2	2483.500	3.41	28.67	0.00	15.52	47.60	54.00	-6.40	Average
3	2500.000	3.42	28.70	0.00	15.78	47.90	54.00	-6.10	Average

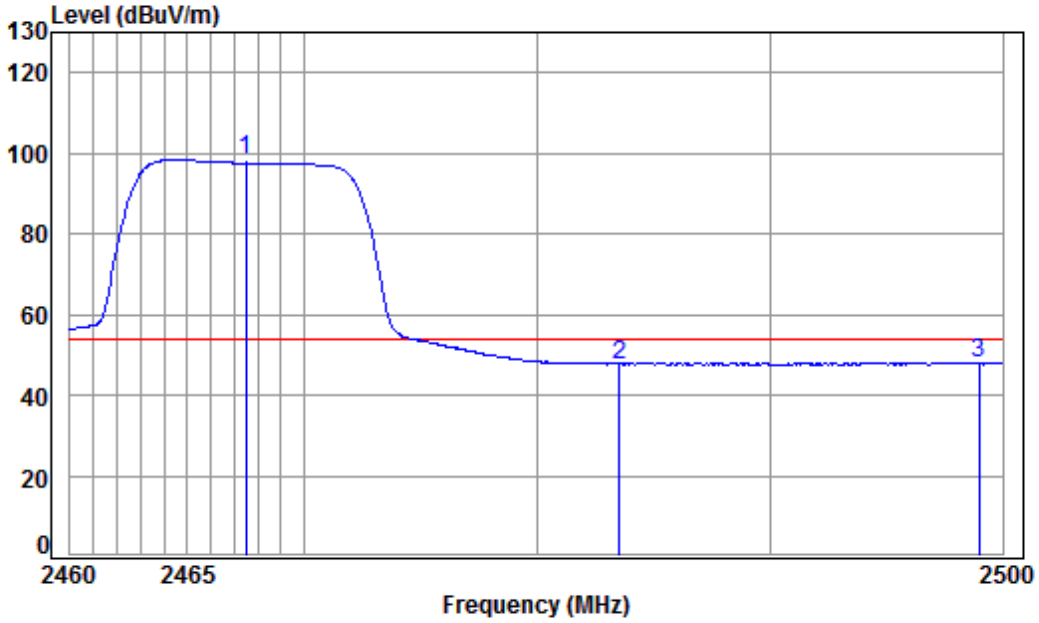
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2467.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2467.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2467.500	3.39	28.64	0.00	78.36	110.39	74.00	36.39	peak
2	2483.500	3.41	28.67	0.00	26.60	58.68	74.00	-15.32	peak
3	2499.032	3.42	28.70	0.00	29.14	61.26	74.00	-12.74	peak

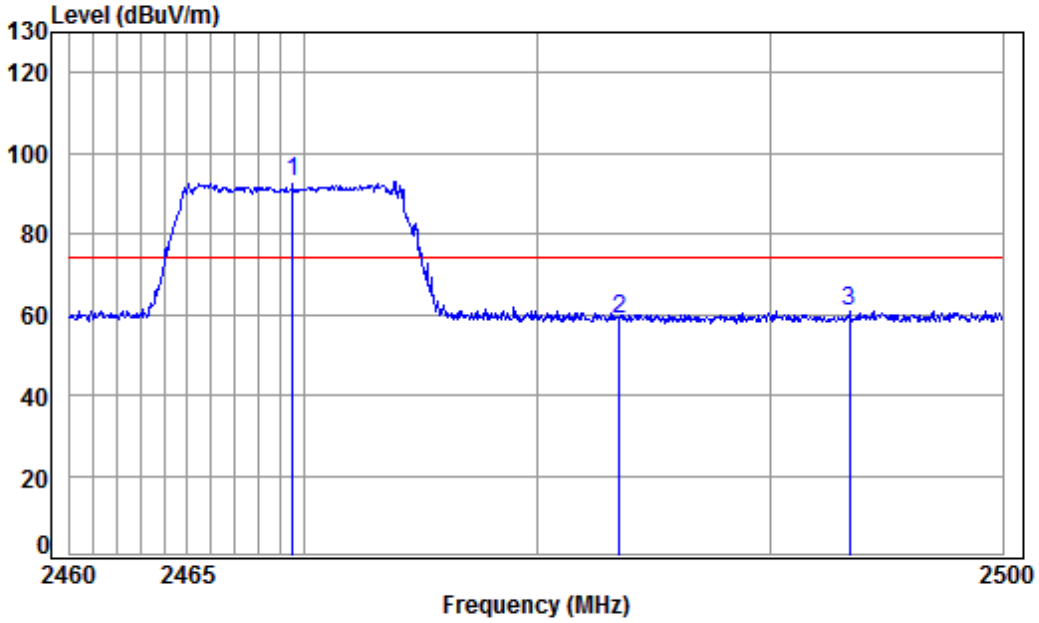
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2467.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2467.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2467.500	3.39	28.64	0.00	66.27	98.30	54.00	44.30	Average
2	2483.500	3.41	28.67	0.00	15.61	47.69	54.00	-6.31	Average
3	2498.992	3.42	28.70	0.00	15.79	47.91	54.00	-6.09	Average

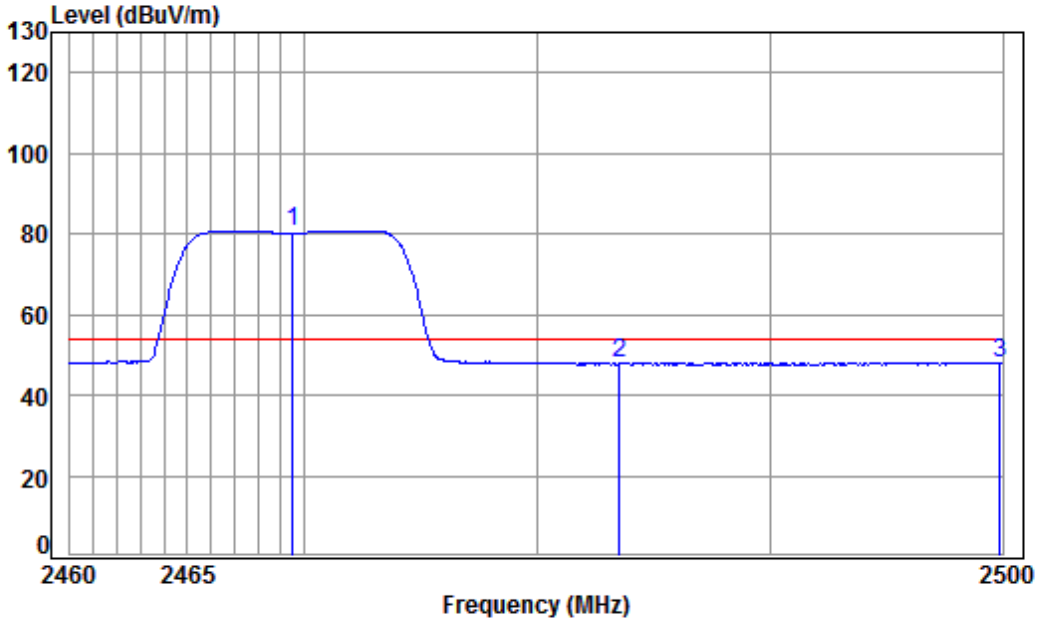
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2469.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2469.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2469.500	3.40	28.66	0.00	60.81	92.87	74.00	18.87	peak
2	2483.500	3.41	28.67	0.00	26.84	58.92	74.00	-15.08	peak
3	2493.396	3.41	28.69	0.00	28.83	60.93	74.00	-13.07	peak

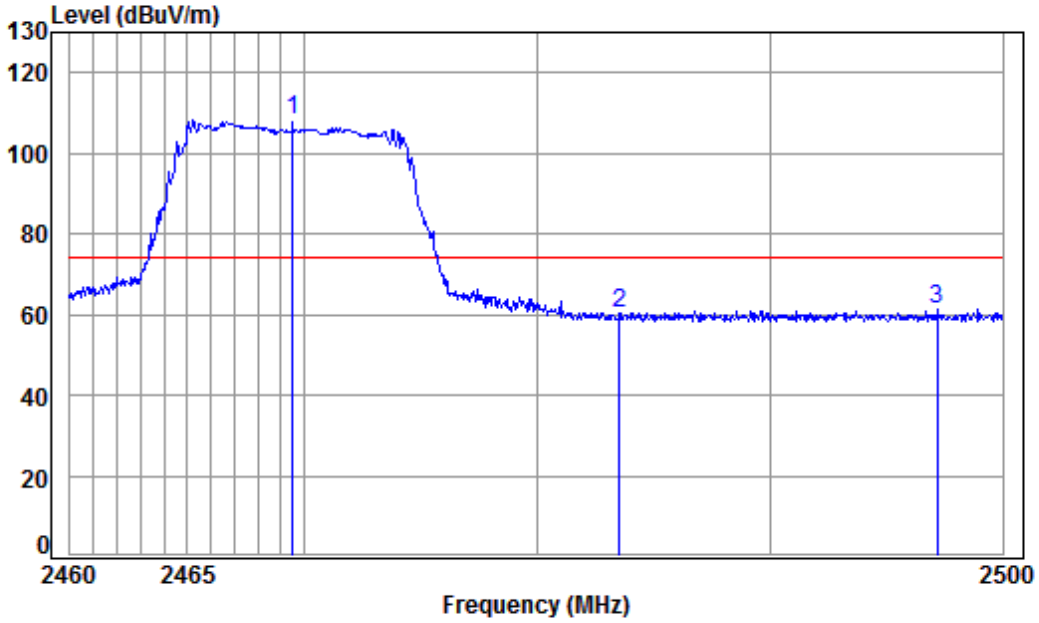
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2469.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2469.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2469.500	3.40	28.65	0.00	48.62	80.67	54.00	26.67	Average
2	2483.500	3.41	28.67	0.00	15.65	47.73	54.00	-6.27	Average
3	2499.879	3.42	28.70	0.00	15.88	48.00	54.00	-6.00	Average

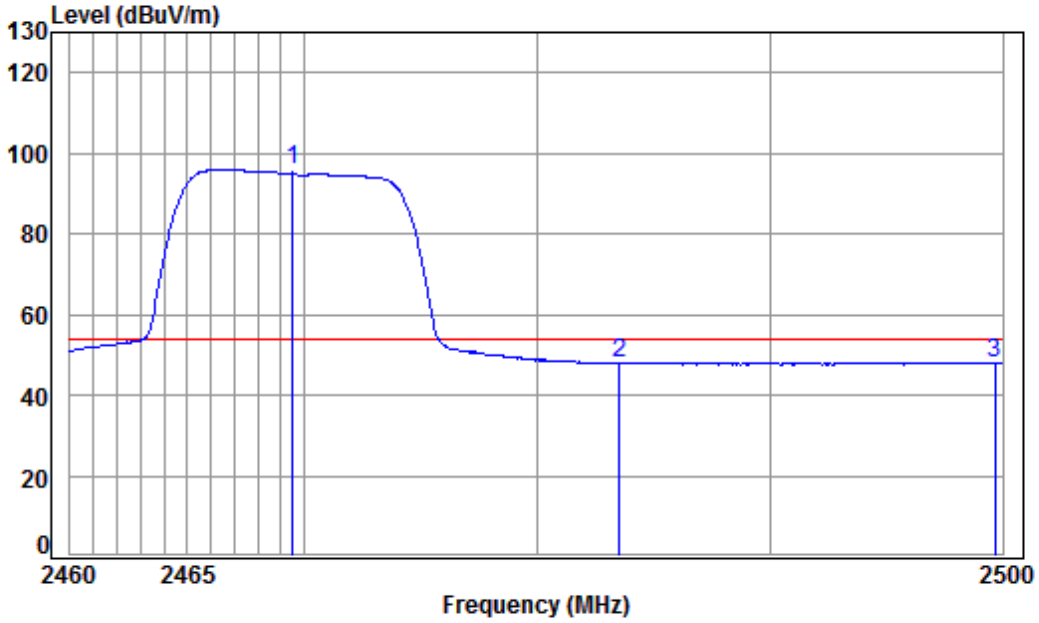
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2469.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2469.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2469.500	3.39	28.64	0.00	76.08	108.11	74.00	34.11	peak
2	2483.500	3.41	28.67	0.00	28.03	60.11	74.00	-13.89	peak
3	2497.179	3.42	28.70	0.00	29.38	61.50	74.00	-12.50	peak

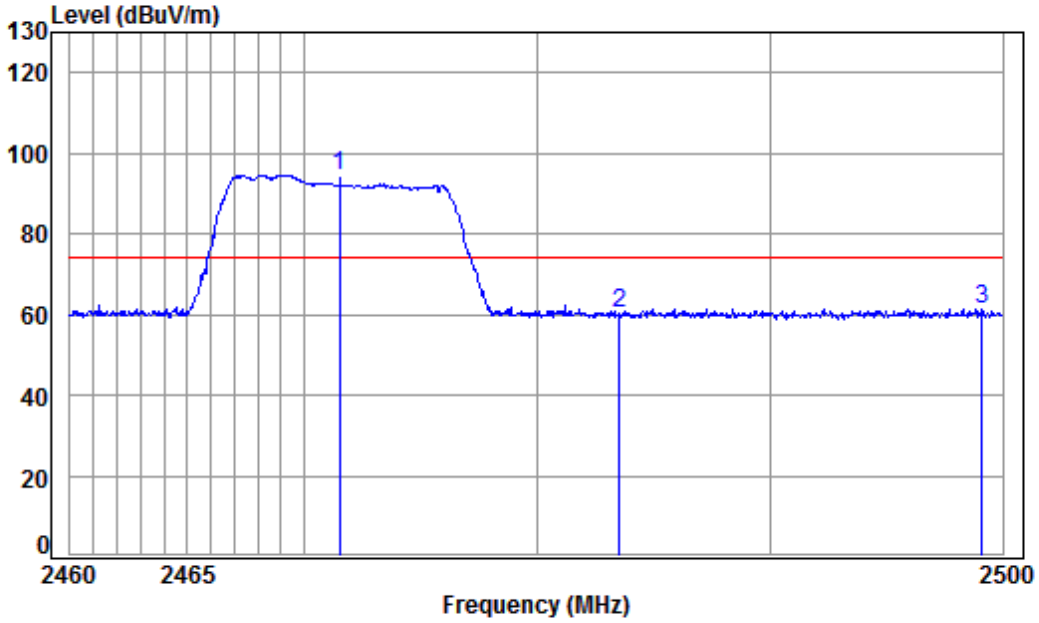
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2469.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2469.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2469.500	3.39	28.65	0.00	63.85	95.89	54.00	41.89	Average
2	2483.500	3.41	28.67	0.00	15.70	47.78	54.00	-6.22	Average
3	2499.677	3.42	28.70	0.00	15.90	48.02	54.00	-5.98	Average

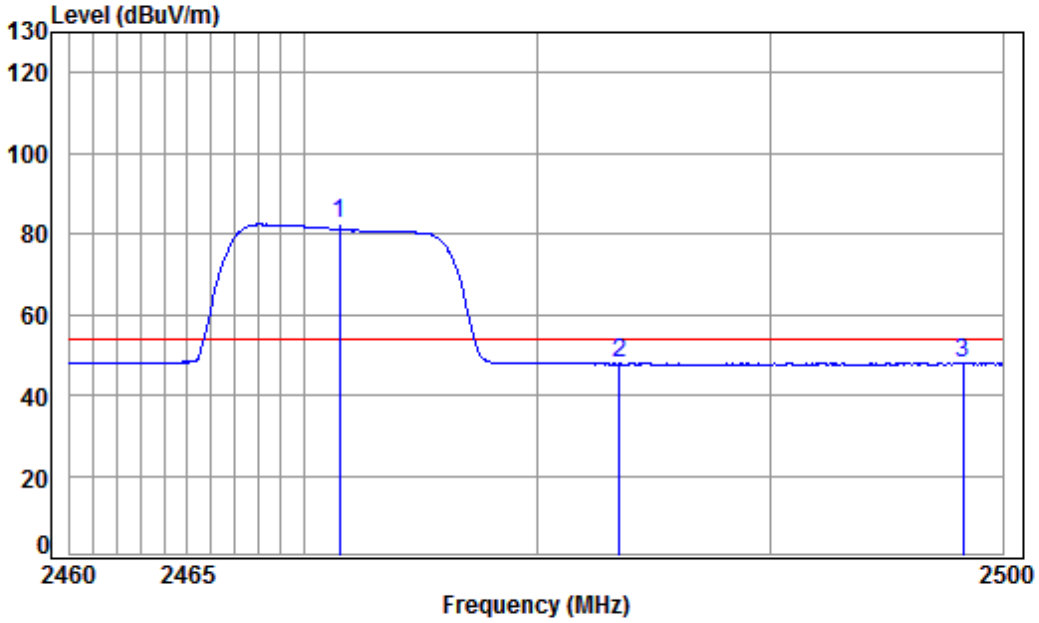
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2471.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2471.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.65	0.00	62.60	94.64	74.00	20.64	peak
2	2483.500	3.41	28.67	0.00	28.29	60.37	74.00	-13.63	peak
3	2499.113	3.42	28.70	0.00	29.39	61.51	74.00	-12.49	peak

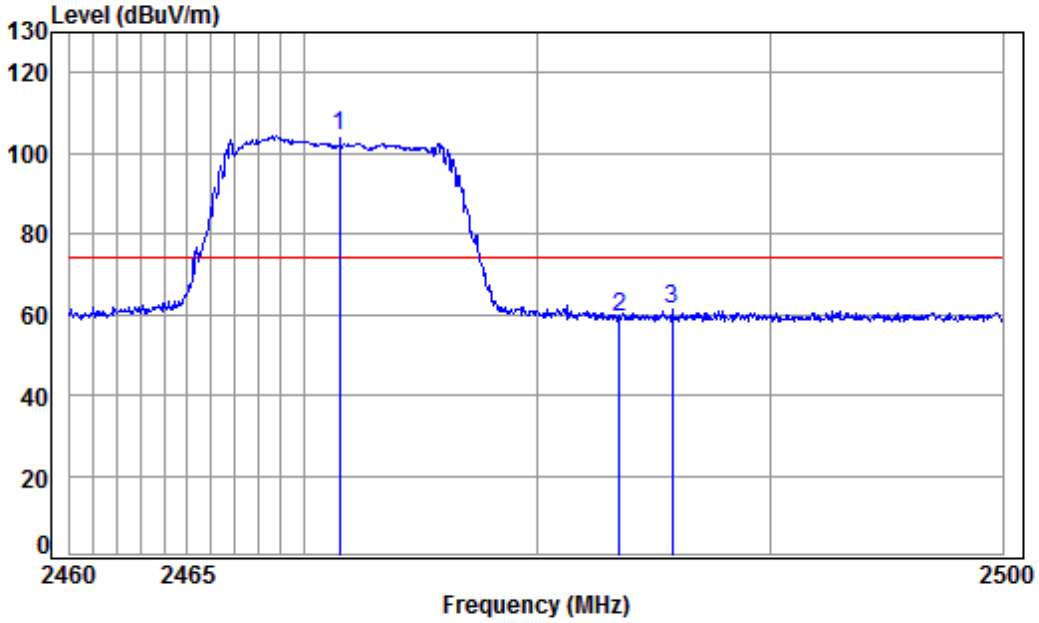
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2471.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2471.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.65	0.00	50.31	82.35	54.00	28.35	Average
2	2483.500	3.41	28.67	0.00	15.62	47.70	54.00	-6.30	Average
3	2498.307	3.42	28.70	0.00	15.77	47.89	54.00	-6.11	Average

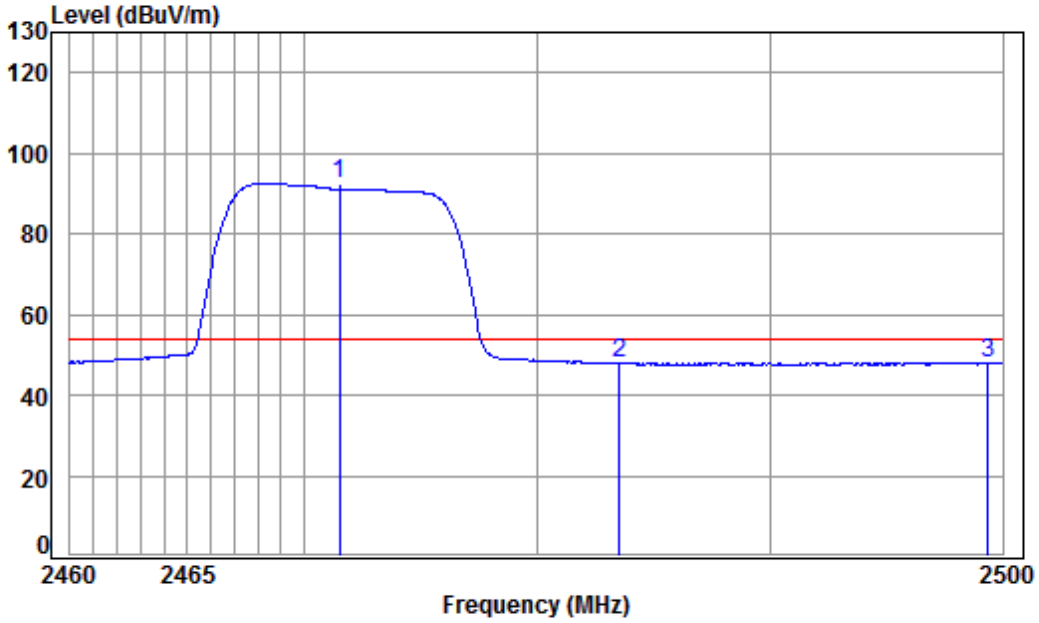
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2471.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2471.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.65	0.00	72.48	104.52	74.00	30.52	peak
2	2483.500	3.41	28.67	0.00	27.46	59.54	74.00	-14.46	peak
3	2485.766	3.41	28.68	0.00	28.96	61.05	74.00	-12.95	peak

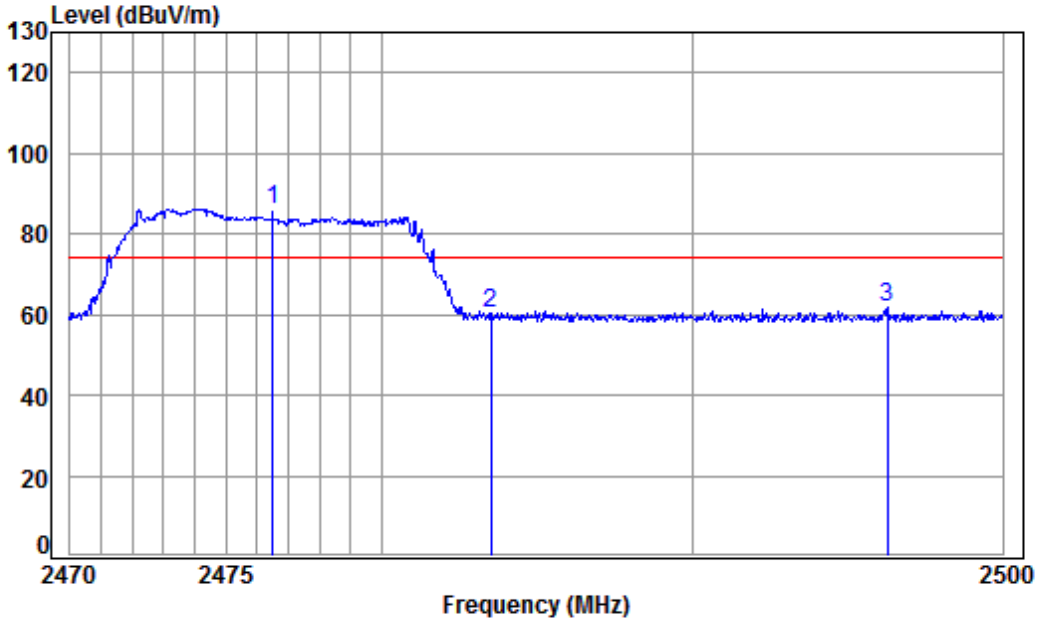
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2471.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2471.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.65	0.00	60.44	92.48	54.00	38.48	Average
2	2483.500	3.41	28.67	0.00	15.82	47.90	54.00	-6.10	Average
3	2499.355	3.42	28.70	0.00	15.95	48.07	54.00	-5.93	Average

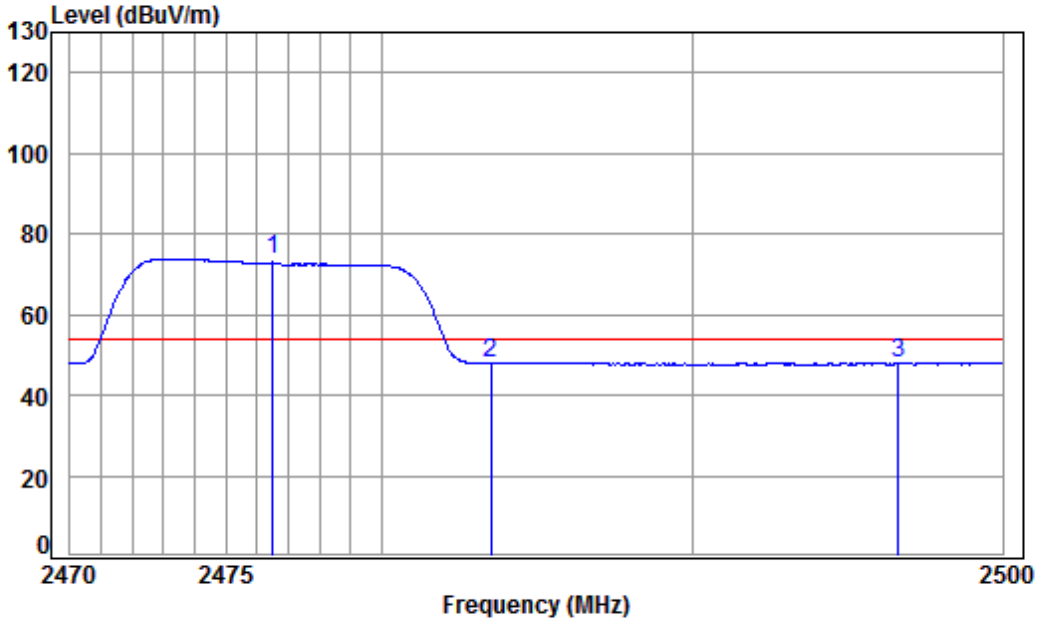
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2476.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2476.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2476.500	3.40	28.65	0.00	54.12	86.17	74.00	12.17	peak
2	2483.500	3.41	28.67	0.00	27.98	60.06	74.00	-13.94	peak
3	2496.260	3.42	28.69	0.00	29.72	61.83	74.00	-12.17	peak

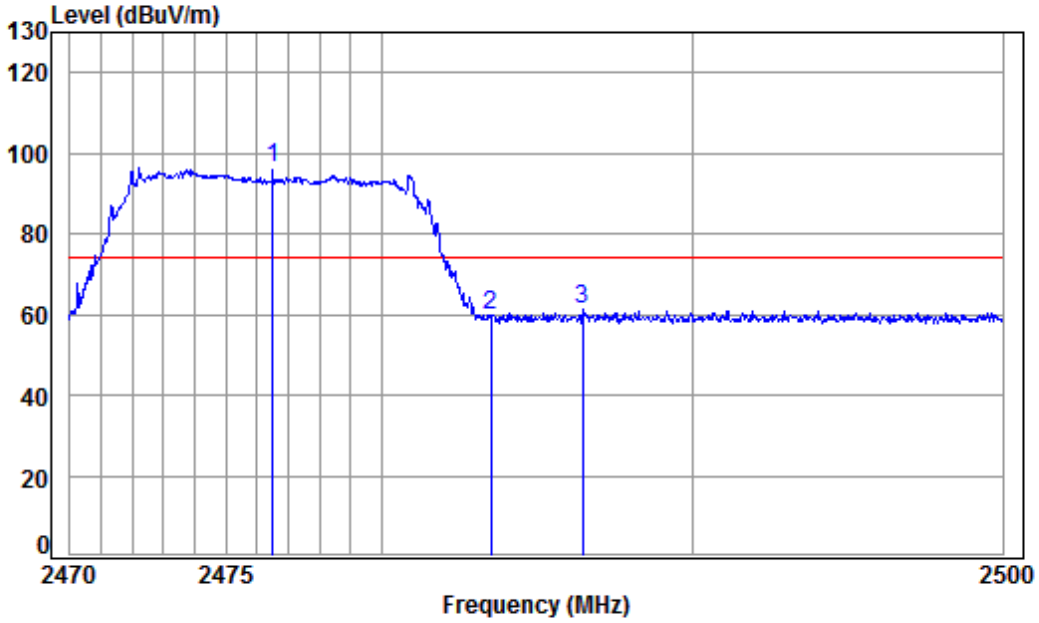
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2476.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2476.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2476.500	3.40	28.66	0.00	41.80	73.86	54.00	19.86	Average
2	2483.500	3.41	28.67	0.00	15.70	47.78	54.00	-6.22	Average
3	2496.622	3.42	28.69	0.00	15.83	47.94	54.00	-6.06	Average

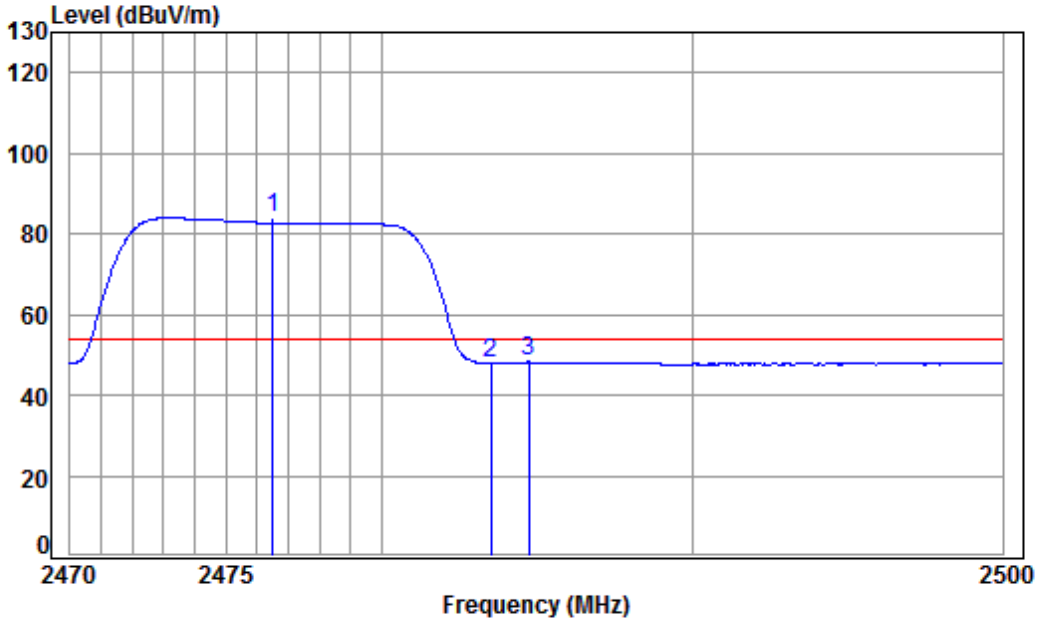
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2476.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2476.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2476.500	3.40	28.65	0.00	64.30	96.35	74.00	22.35	peak
2	2483.500	3.41	28.67	0.00	27.65	59.73	74.00	-14.27	peak
3	2486.455	3.41	28.68	0.00	29.18	61.27	74.00	-12.73	peak

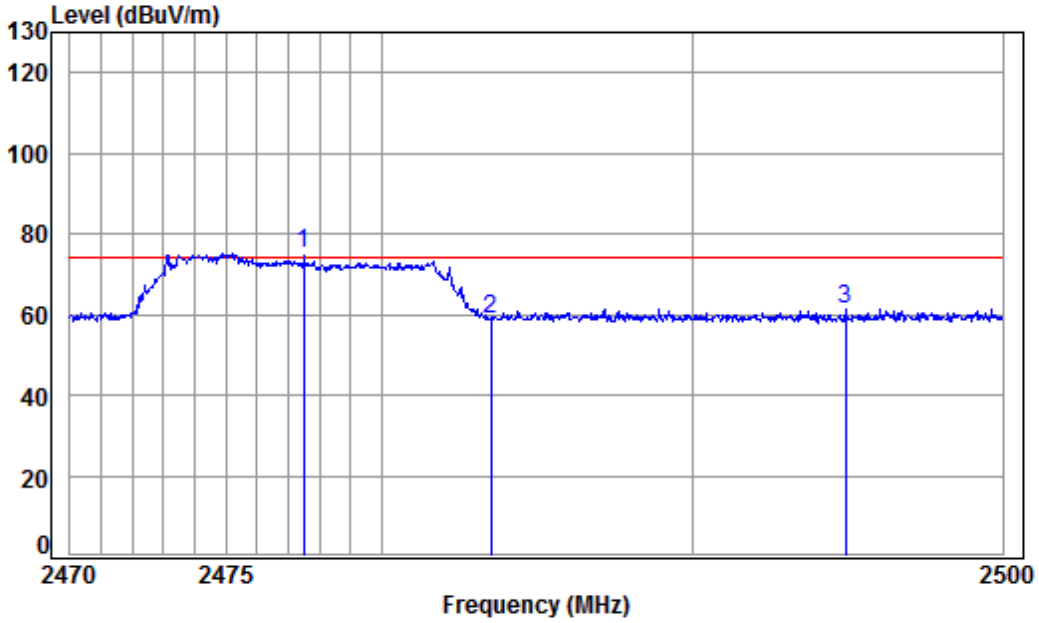
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2476.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2476.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2476.500	3.40	28.66	0.00	51.86	83.92	54.00	29.92	Average
2	2483.500	3.41	28.67	0.00	15.82	47.90	54.00	-6.10	Average
3	2484.715	3.41	28.68	0.00	16.12	48.21	54.00	-5.79	Average

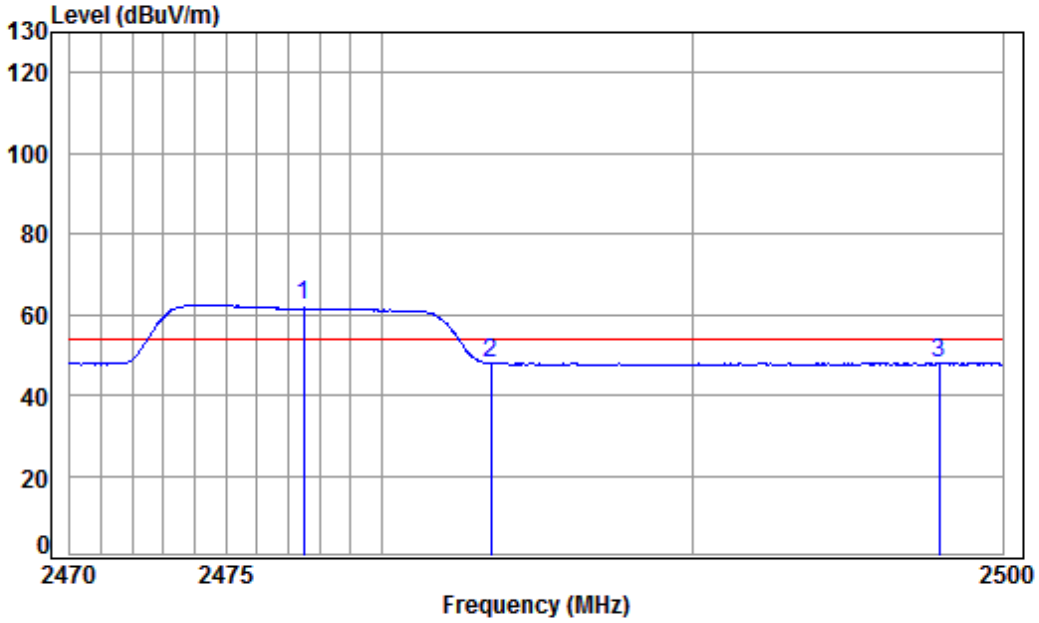
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2477.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2477.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2477.500	3.40	28.66	0.00	42.92	74.98	74.00	0.98	peak
2	2483.500	3.41	28.67	0.00	26.70	58.78	74.00	-15.22	peak
3	2494.935	3.42	28.69	0.00	29.23	61.34	74.00	-12.66	peak

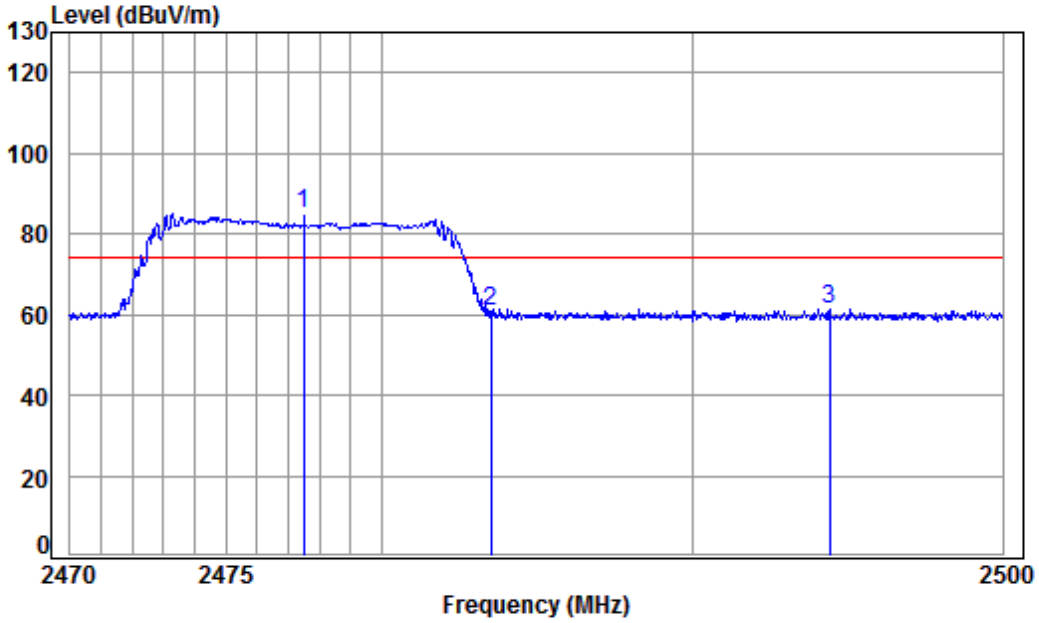
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2477.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2477.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2477.500	3.40	28.66	0.00	30.36	62.42	54.00	8.42	Average
2	2483.500	3.41	28.67	0.00	15.81	47.89	54.00	-6.11	Average
3	2497.948	3.42	28.70	0.00	15.70	47.82	54.00	-6.18	Average

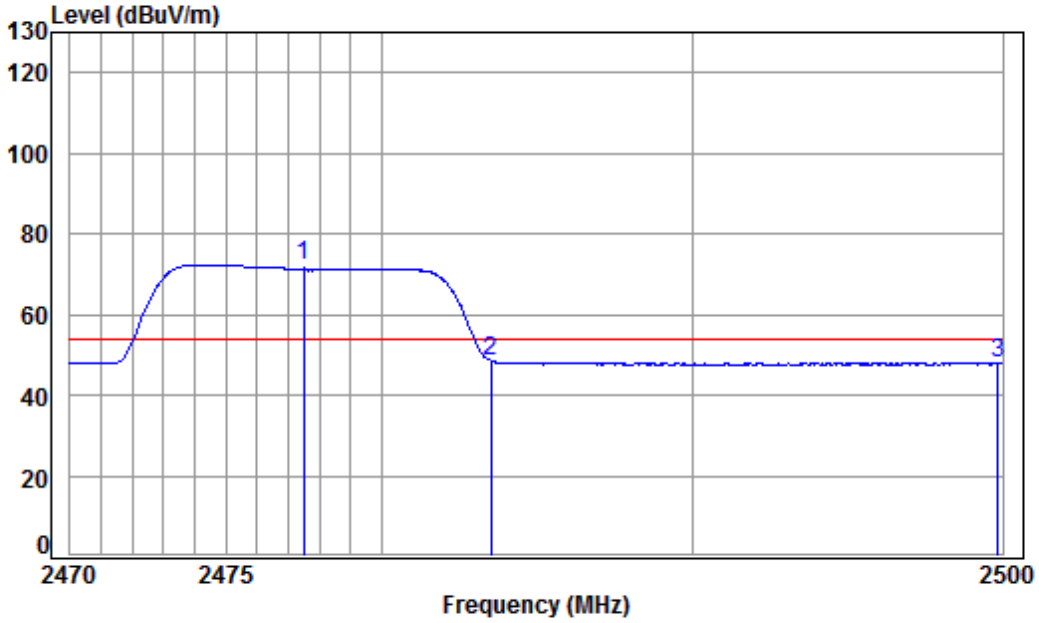
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2477.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2477.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2477.500	3.40	28.66	0.00	52.83	84.89	74.00	10.89	peak
2	2483.500	3.41	28.67	0.00	28.81	60.89	74.00	-13.11	peak
3	2494.393	3.42	28.69	0.00	29.42	61.53	74.00	-12.47	peak

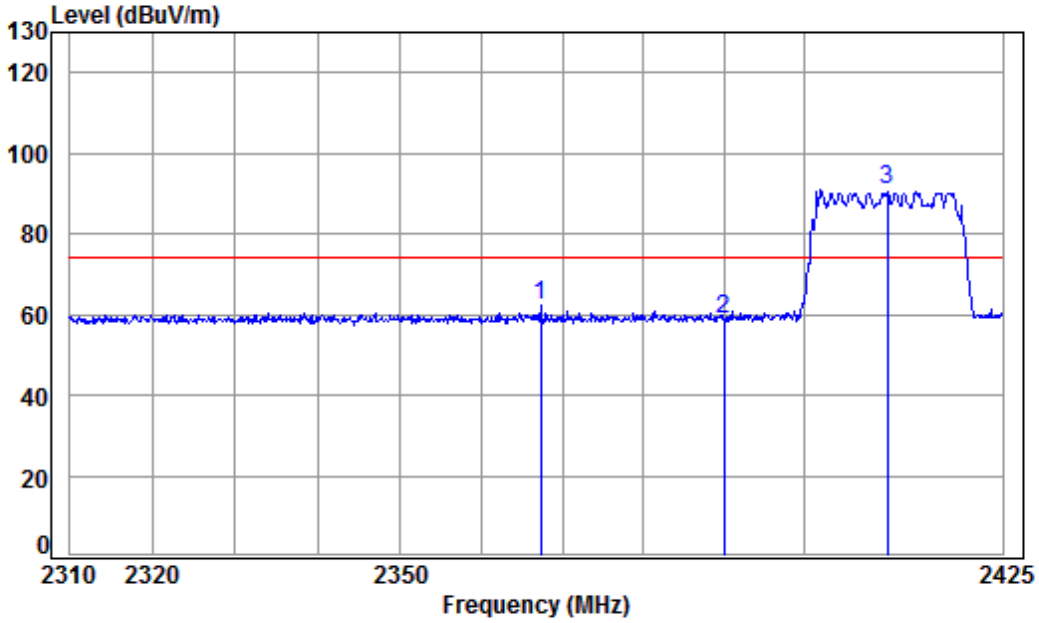
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2477.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2477.5 Band edge
Note : L1P 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2477.500	3.40	28.66	0.00	40.34	72.40	54.00	18.40	Average
2	2483.500	3.41	28.67	0.00	16.47	48.55	54.00	-5.45	Average
3	2499.849	3.42	28.70	0.00	15.88	48.00	54.00	-6.00	Average

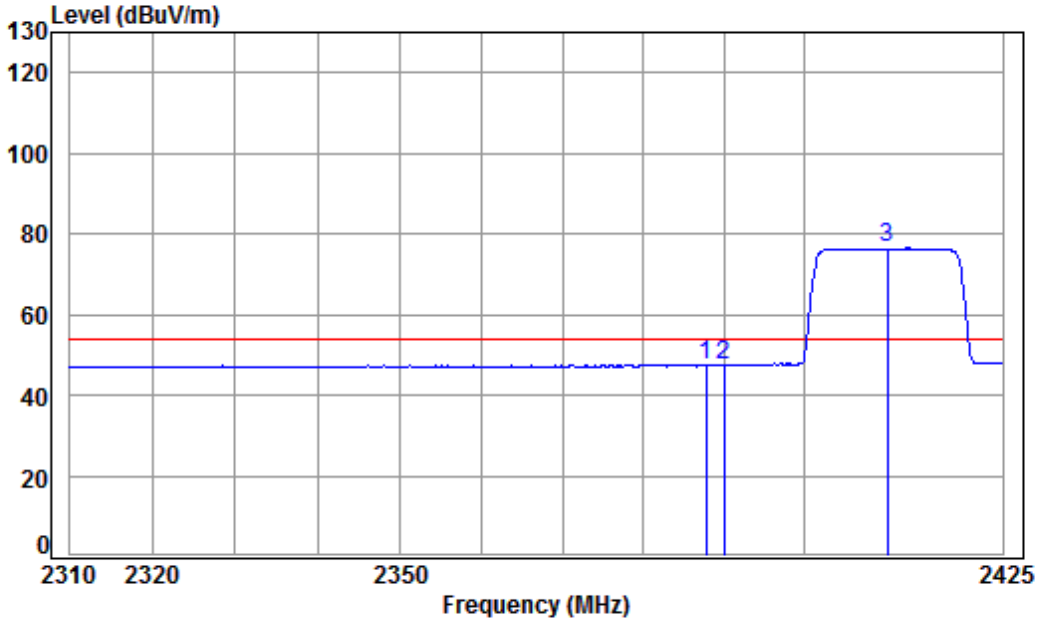
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2410.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2410.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2367.377	3.31	28.48	0.00	30.26	62.05	74.00	-11.95	peak
2	2390.000	3.33	28.52	0.00	27.15	59.00	74.00	-15.00	peak
3 pp	2410.500	3.34	28.54	0.00	58.83	90.71	74.00	16.71	peak

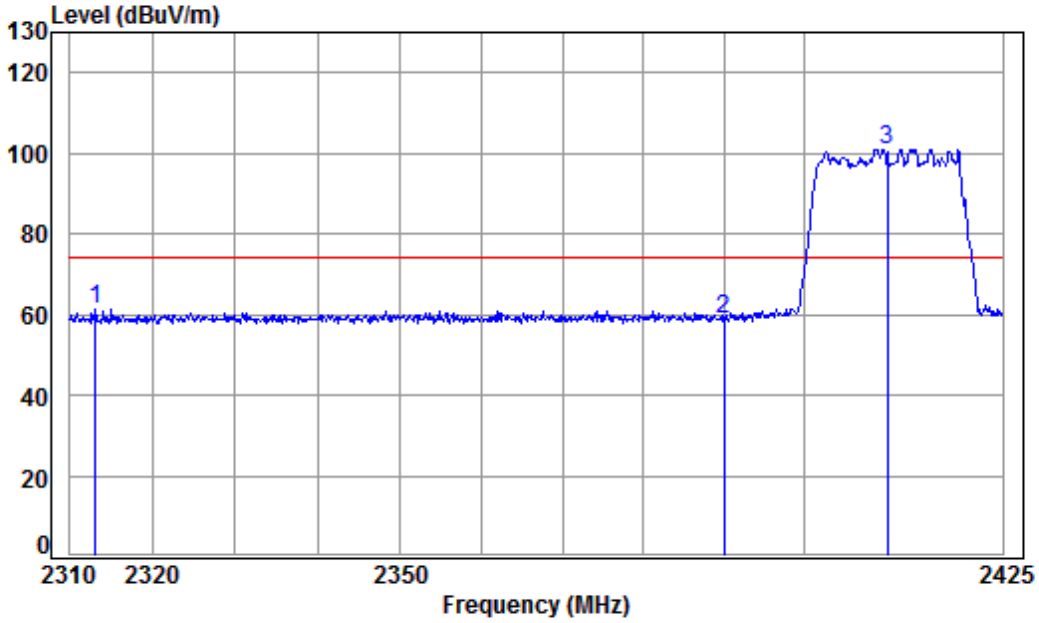
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2410.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2410.5 Band edge
Note : L1P 20M ANT1

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		2387.822	3.33	28.51	0.00	15.78	47.62	54.00	-6.38	Average
2		2390.000	3.33	28.52	0.00	15.64	47.49	54.00	-6.51	Average
3	pp	2410.500	3.35	28.56	0.00	44.46	76.37	54.00	22.37	Average

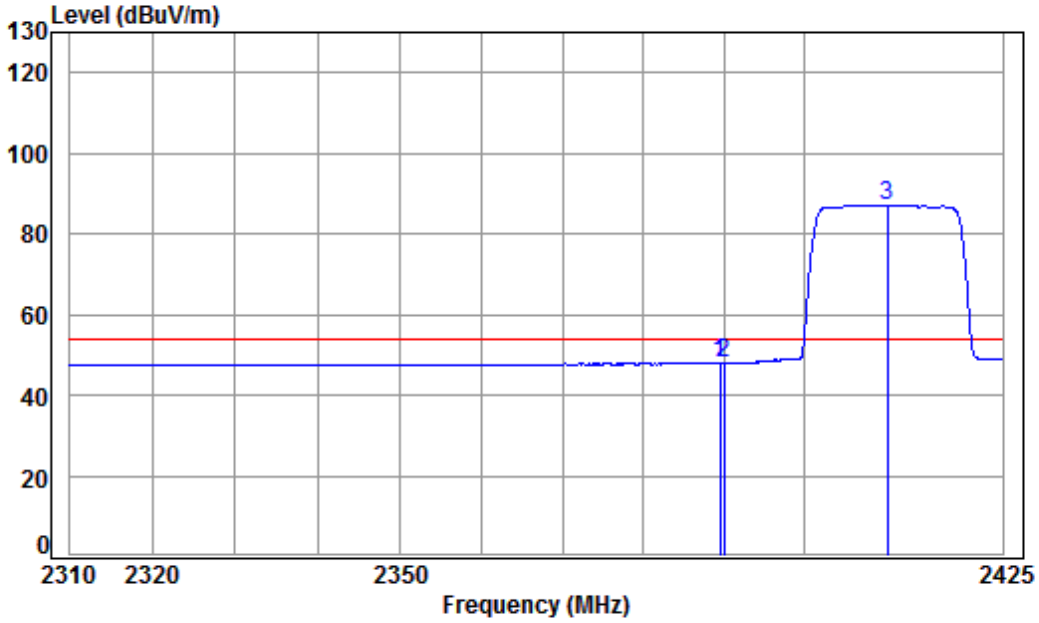
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2410.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2410.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2313.145	3.27	28.39	0.00	29.52	61.18	74.00	-12.82	peak
2	2390.000	3.33	28.52	0.00	27.14	58.99	74.00	-15.01	peak
3 pp	2410.500	3.35	28.57	0.00	69.04	100.96	74.00	26.96	peak

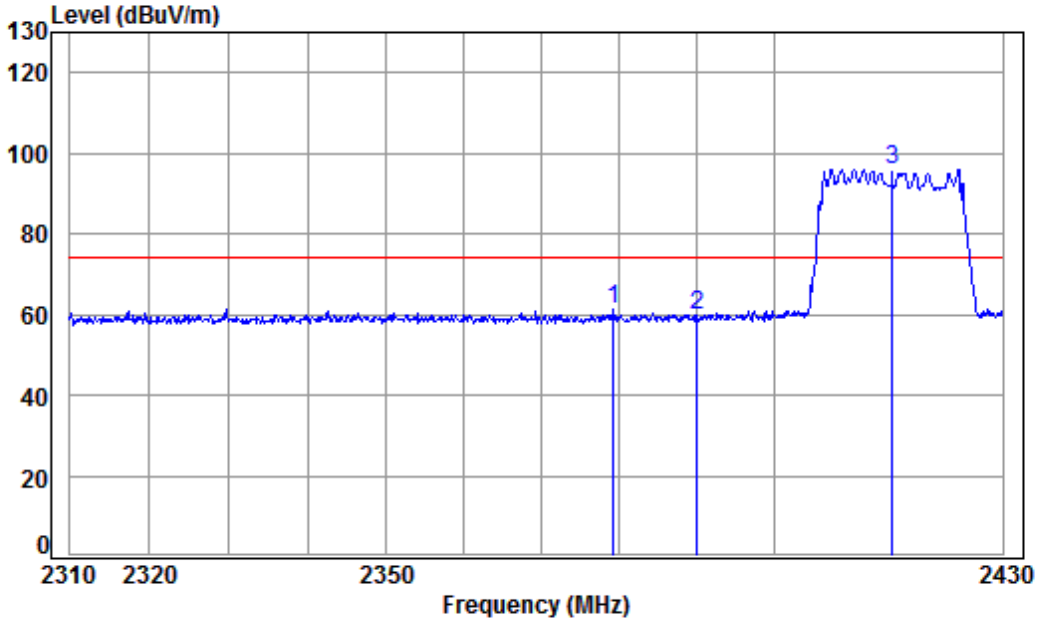
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2410.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2410.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.563	3.33	28.52	0.00	16.14	47.99	54.00	-6.01	Average
2	2390.000	3.33	28.52	0.00	16.07	47.92	54.00	-6.08	Average
3 pp	2410.500	3.35	28.55	0.00	55.19	87.09	54.00	33.09	Average

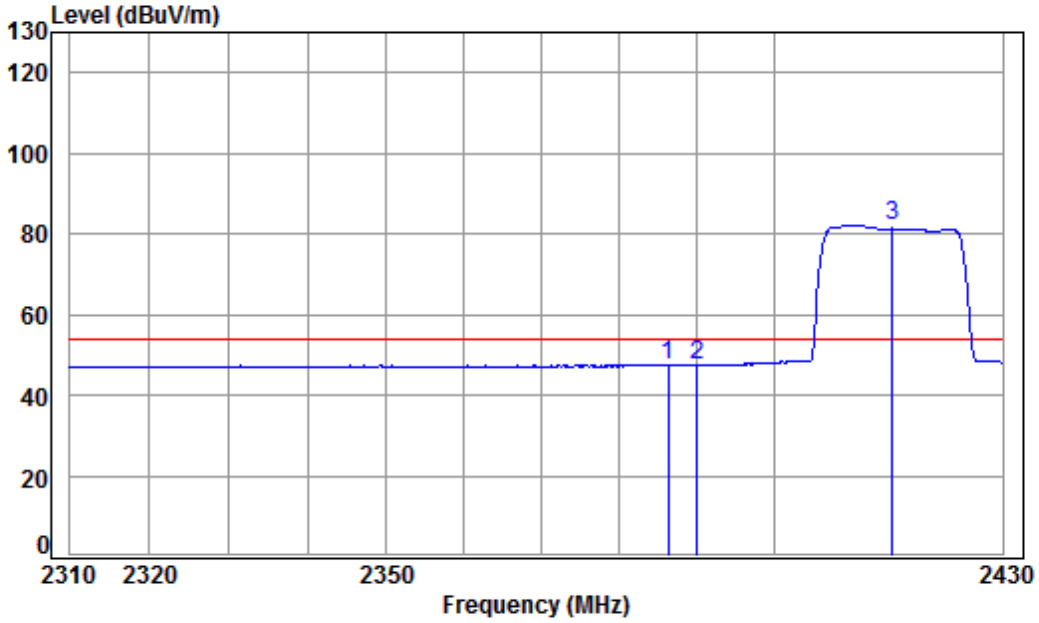
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2415.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2415.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2379.220	3.32	28.50	0.00	29.27	61.09	74.00	-12.91	peak
2	2390.000	3.33	28.52	0.00	27.93	59.78	74.00	-14.22	peak
3 pp	2415.500	3.36	28.58	0.00	64.09	96.03	74.00	22.03	peak

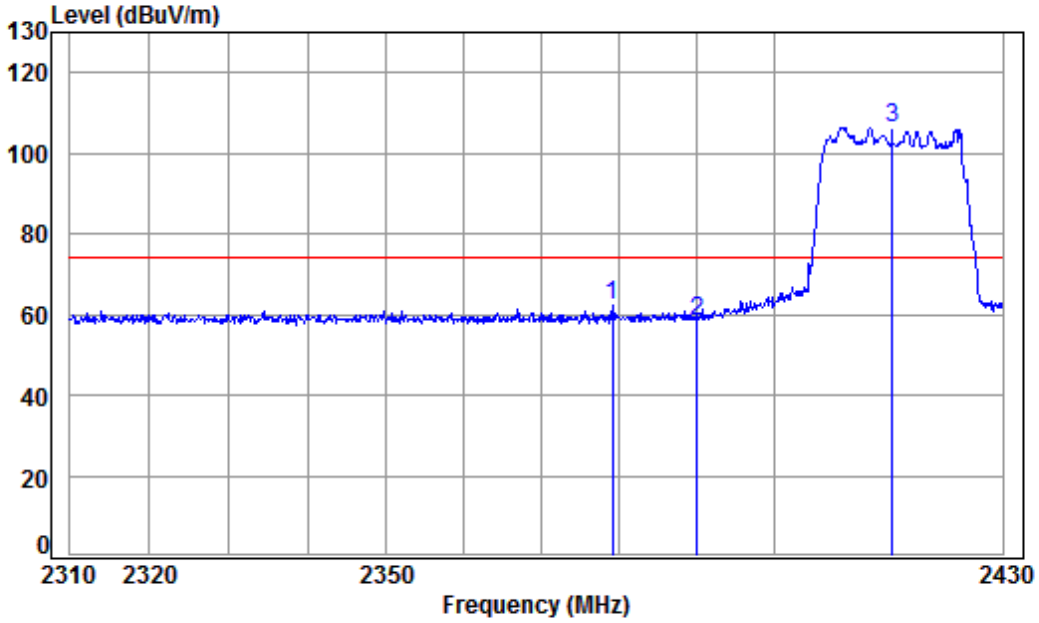
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2415.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2415.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2386.219	3.33	28.51	0.00	15.61	47.45	54.00	-6.55	Average
2	2390.000	3.33	28.52	0.00	15.54	47.39	54.00	-6.61	Average
3 pp	2415.500	3.35	28.55	0.00	50.03	81.93	54.00	27.93	Average

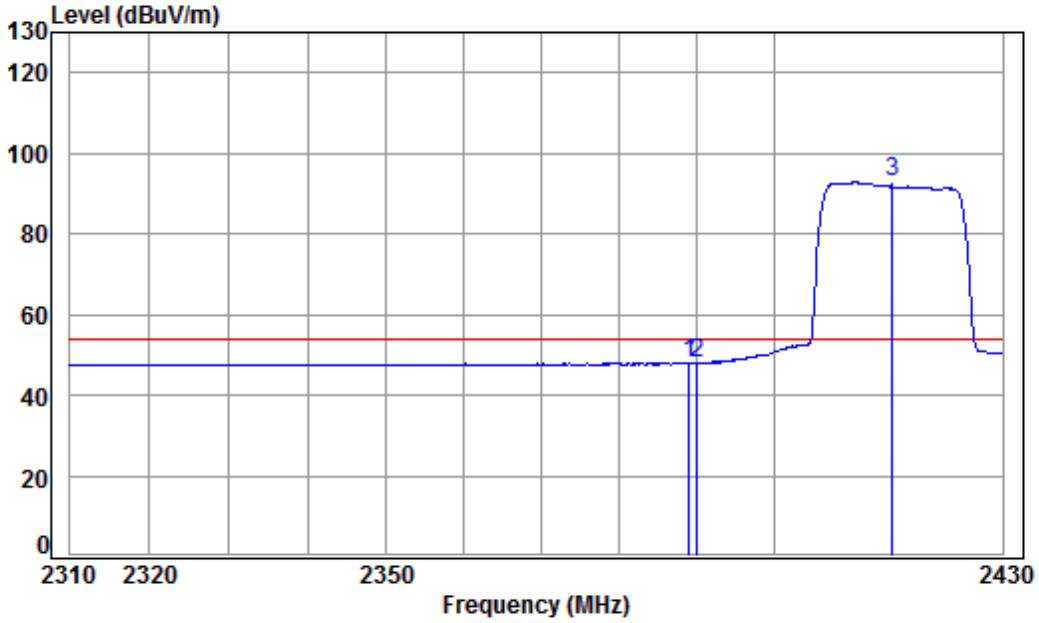
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2415.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2415.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2379.100	3.32	28.50	0.00	30.40	62.22	74.00	-11.78	peak
2	2390.000	3.33	28.52	0.00	26.61	58.46	74.00	-15.54	peak
3 pp	2415.500	3.35	28.55	0.00	74.57	106.47	74.00	32.47	peak

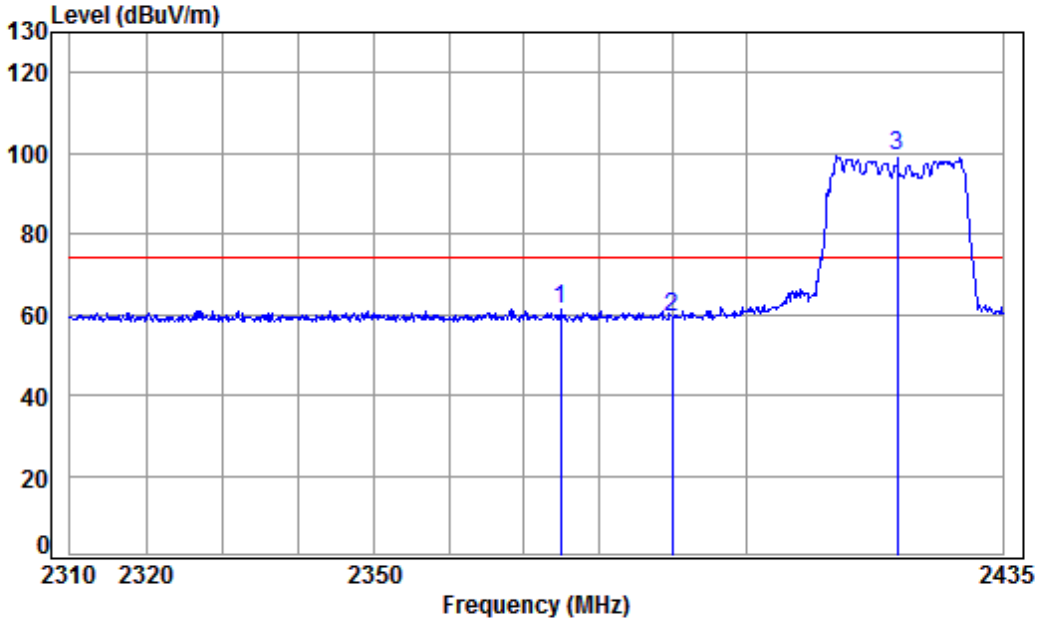
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2415.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2415.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.000	3.33	28.52	0.00	16.08	47.93	54.00	-6.07	Average
2	2390.000	3.33	28.52	0.00	16.04	47.89	54.00	-6.11	Average
3 pp	2415.500	3.35	28.55	0.00	60.82	92.72	54.00	38.72	Average

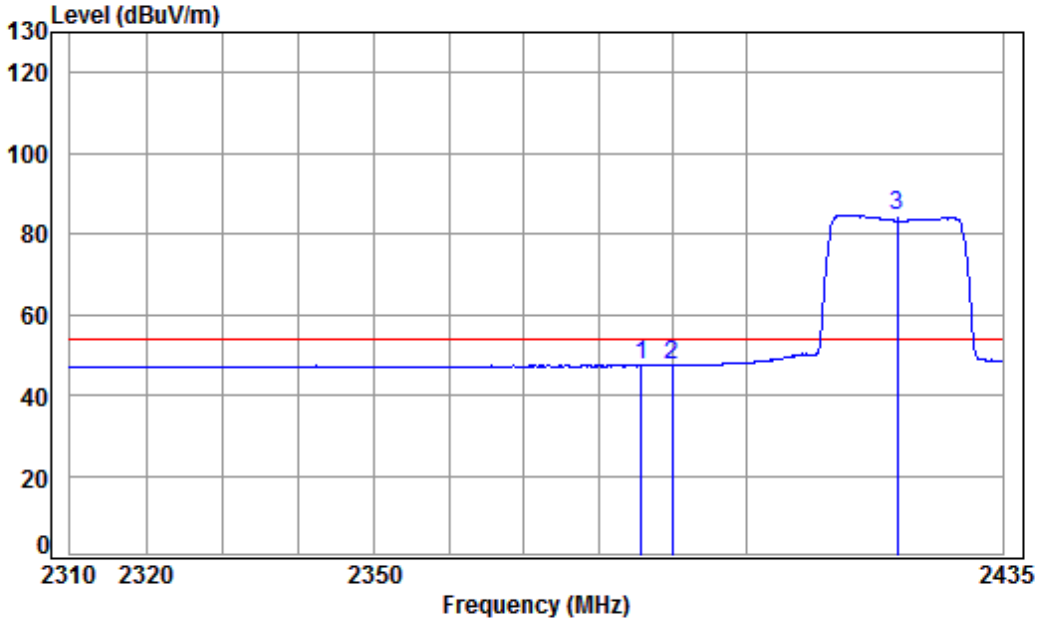
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2420.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2420.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2374.928	3.32	28.49	0.00	29.27	61.08	74.00	-12.92	peak
2	2390.000	3.33	28.52	0.00	27.70	59.55	74.00	-14.45	peak
3 pp	2420.500	3.35	28.56	0.00	67.29	99.20	74.00	25.20	peak

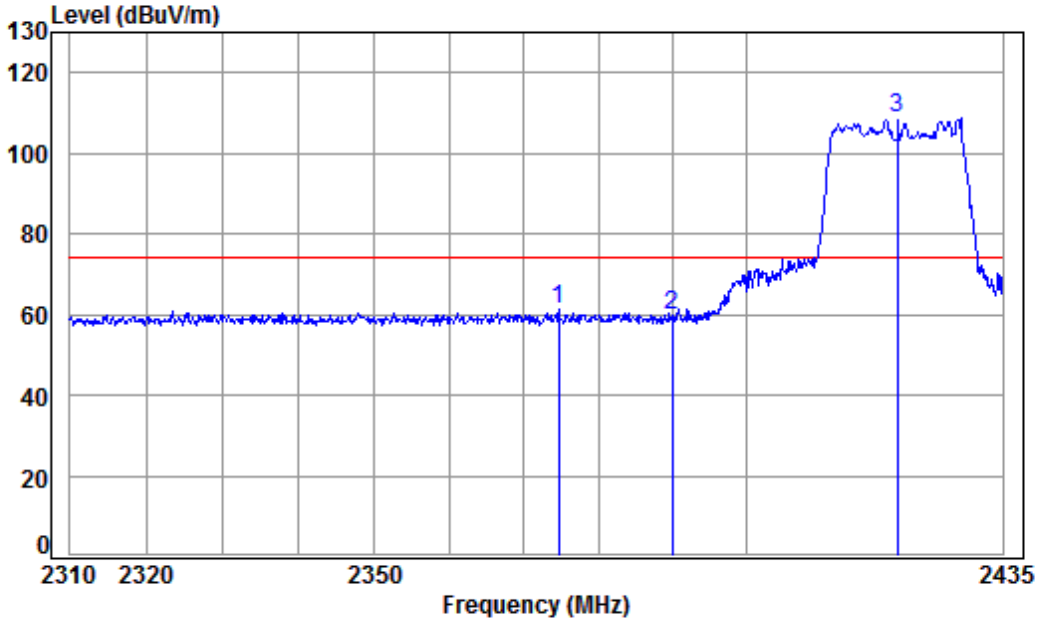
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2420.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2420.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2385.842	3.33	28.51	0.00	15.65	47.49	54.00	-6.51	peak
2	2390.000	3.33	28.52	0.00	15.52	47.37	54.00	-6.63	peak
3 pp	2420.500	3.35	28.56	0.00	52.72	84.63	54.00	30.63	peak

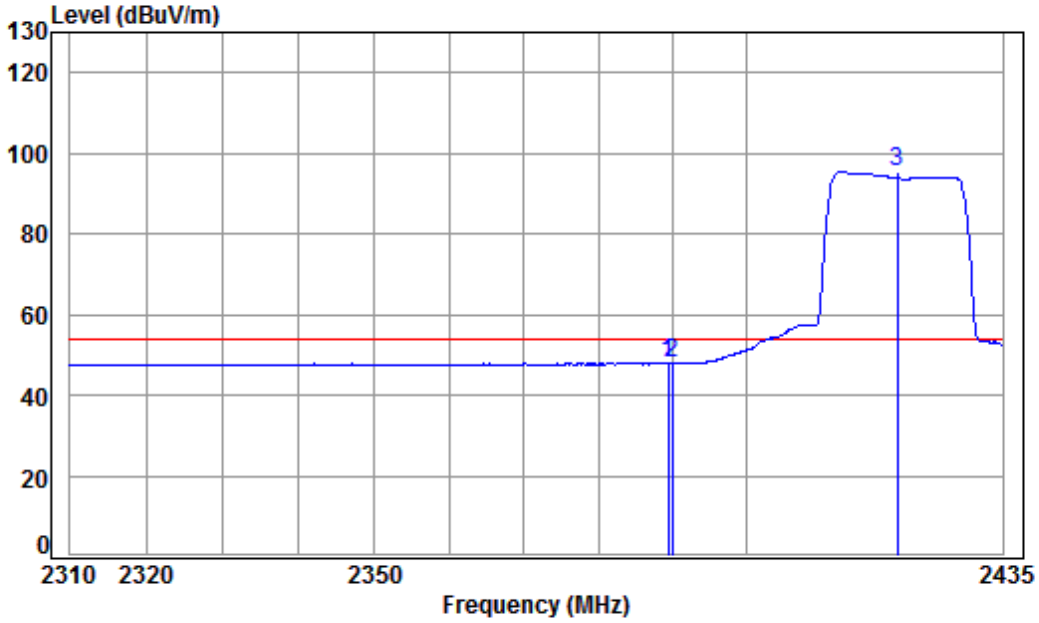
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2420.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2420.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2374.678	3.32	28.49	0.00	29.72	61.53	74.00	-12.47	peak
2	2390.000	3.33	28.52	0.00	27.75	59.60	74.00	-14.40	peak
3 pp	2420.500	3.36	28.58	0.00	76.86	108.80	74.00	34.80	peak

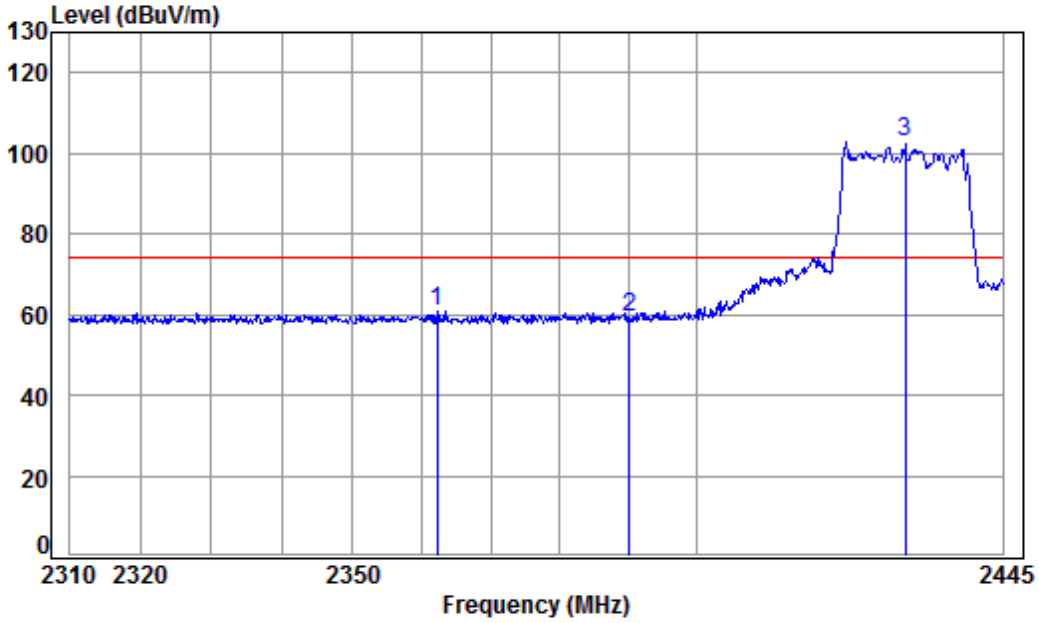
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2420.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2420.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.491	3.33	28.52	0.00	16.09	47.94	54.00	-6.06	Average
2	2390.000	3.33	28.52	0.00	16.00	47.85	54.00	-6.15	Average
3 pp	2420.500	3.35	28.56	0.00	63.44	95.35	54.00	41.35	Average

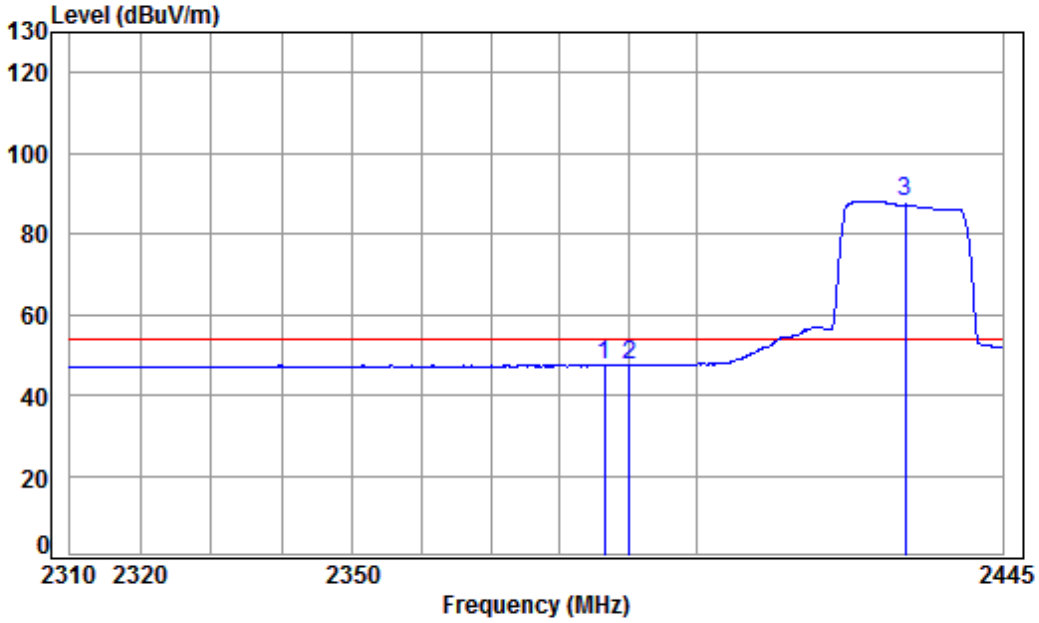
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2430.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2430.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2362.277	3.31	28.47	0.00	29.25	61.03	74.00	-12.97	peak
2	2390.000	3.33	28.52	0.00	27.23	59.08	74.00	-14.92	peak
3 pp	2430.500	3.36	28.57	0.00	70.82	102.75	74.00	28.75	peak

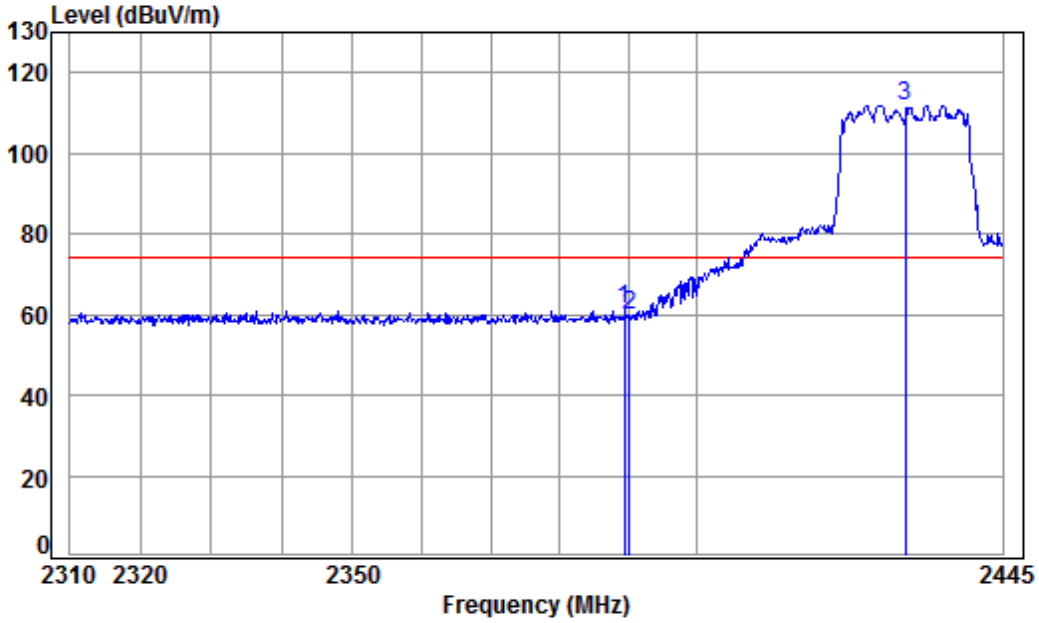
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2430.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2430.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2386.416	3.33	28.51	0.00	15.64	47.48	54.00	-6.52	Average
2	2390.000	3.33	28.52	0.00	15.59	47.44	54.00	-6.56	Average
3 pp	2430.500	3.36	28.58	0.00	56.03	87.97	54.00	33.97	Average

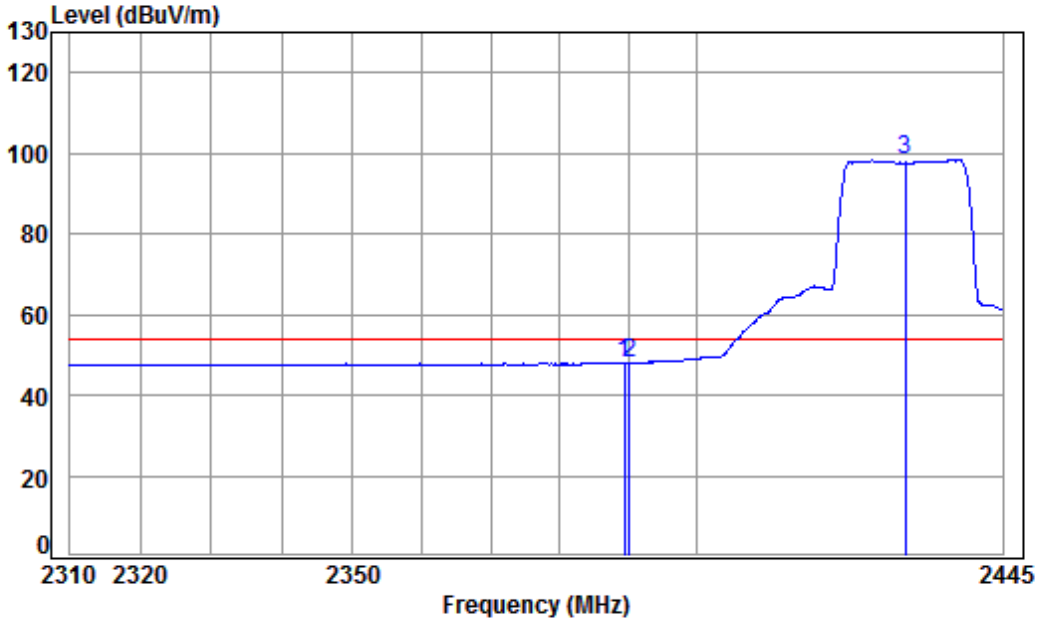
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2430.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2430.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.400	3.33	28.52	0.00	29.30	61.15	74.00	-12.85	peak
2	2390.000	3.33	28.52	0.00	27.83	59.68	74.00	-14.32	peak
3 pp	2430.500	3.37	28.60	0.00	79.92	111.89	74.00	37.89	peak

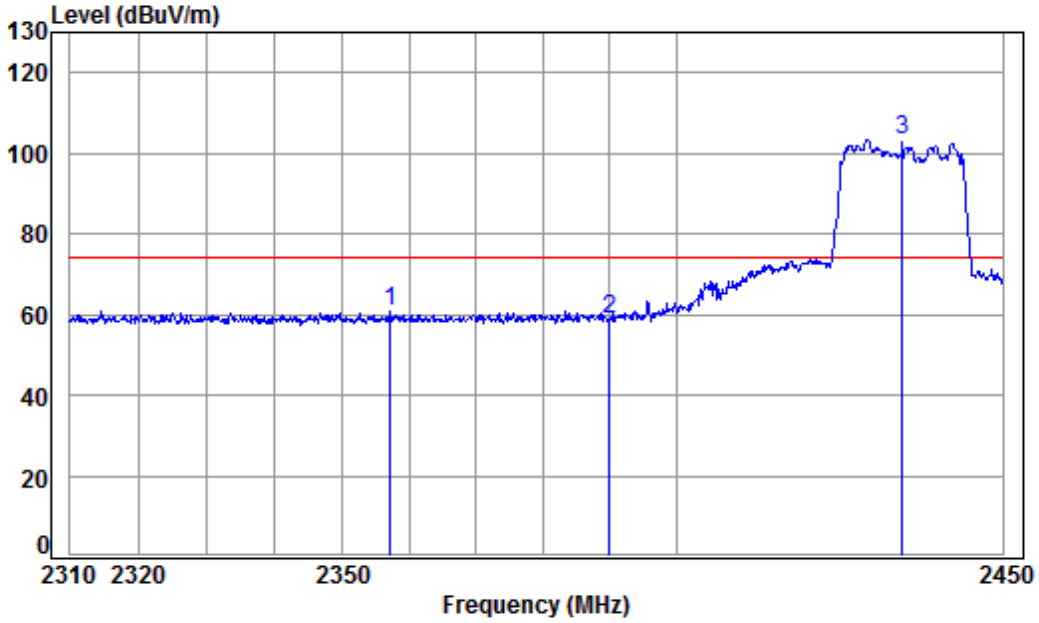
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2430.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2430.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.400	3.33	28.52	0.00	16.26	48.11	54.00	-5.89	Average
2	2390.000	3.33	28.52	0.00	16.09	47.94	54.00	-6.06	Average
3 pp	2430.500	3.37	28.60	0.00	66.45	98.42	54.00	44.42	Average

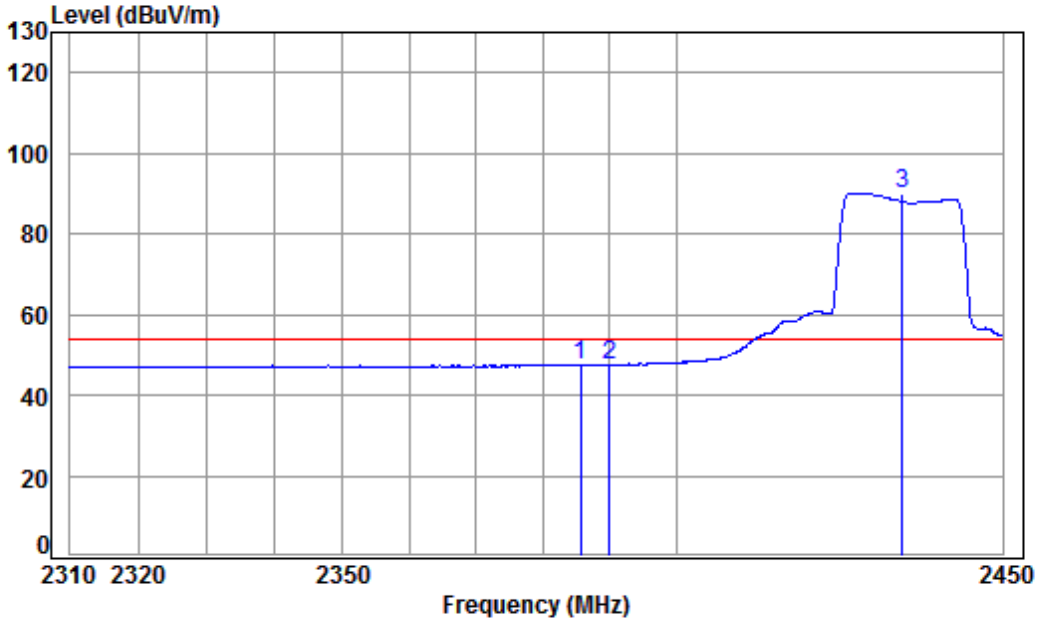
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2434.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2434.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2357.233	3.30	28.46	0.00	29.04	60.80	74.00	-13.20	peak
2	2390.000	3.33	28.52	0.00	26.73	58.58	74.00	-15.42	peak
3 pp	2434.500	3.36	28.58	0.00	71.54	103.48	74.00	29.48	peak

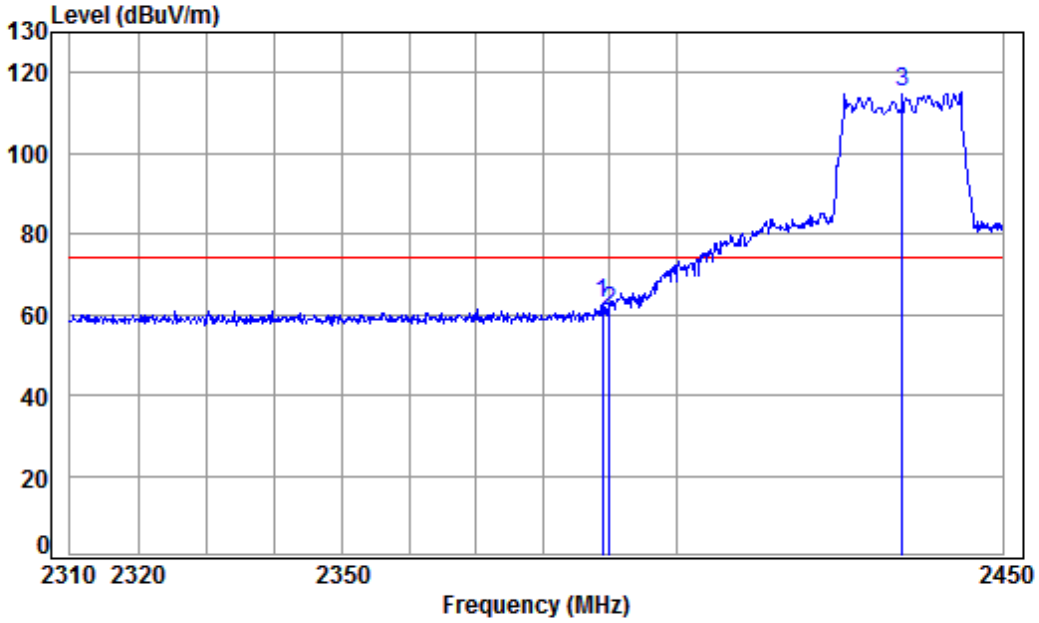
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2434.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2434.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2385.699	3.33	28.51	0.00	15.69	47.53	54.00	-6.47	Average
2	2390.000	3.33	28.52	0.00	15.68	47.53	54.00	-6.47	Average
3 pp	2434.500	3.36	28.58	0.00	58.10	90.04	54.00	36.04	Average

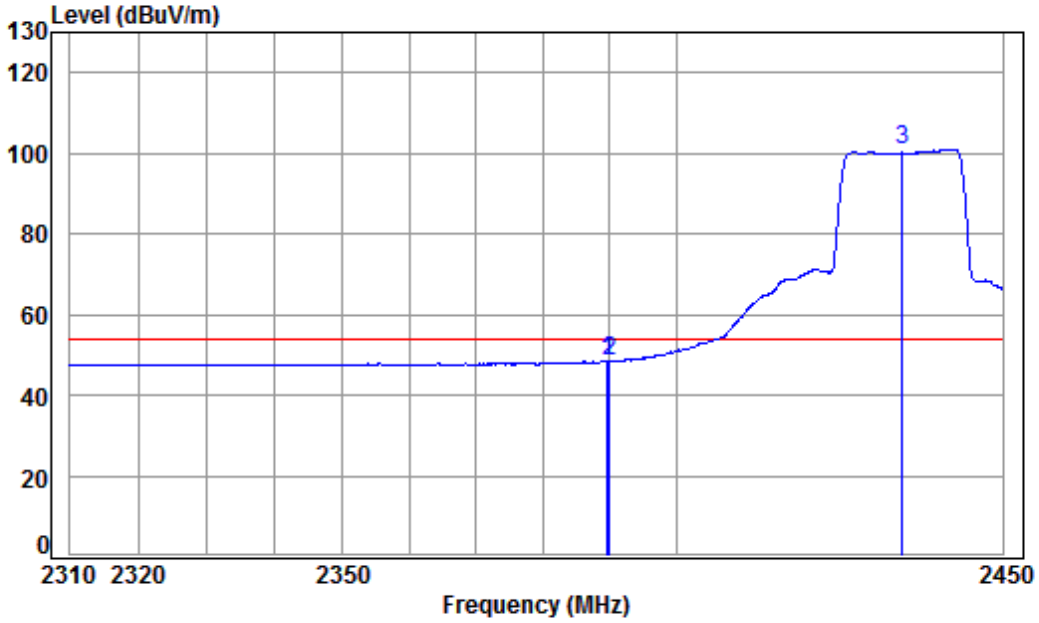
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2434.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2434.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.930	3.33	28.52	0.00	31.17	63.02	74.00	-10.98	peak
2	2390.000	3.33	28.52	0.00	29.02	60.87	74.00	-13.13	peak
3 pp	2434.500	3.37	28.61	0.00	83.06	115.04	74.00	41.04	peak

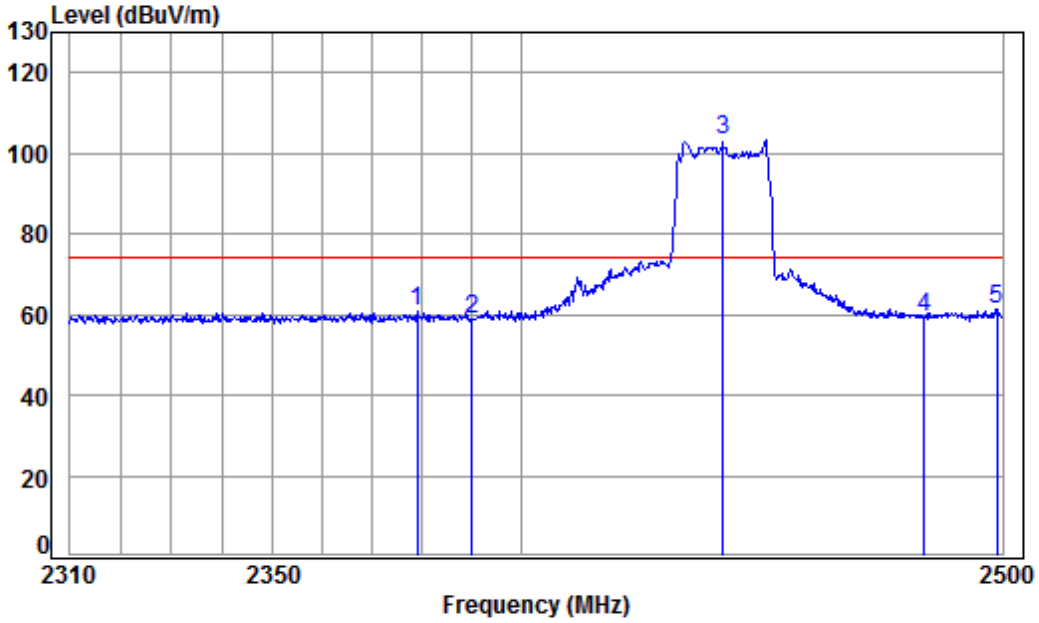
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2434.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2434.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.633	3.33	28.52	0.00	16.60	48.45	54.00	-5.55	Average
2	2390.000	3.33	28.52	0.00	16.62	48.47	54.00	-5.53	Average
3 pp	2434.500	3.37	28.61	0.00	69.07	101.05	54.00	47.05	Average

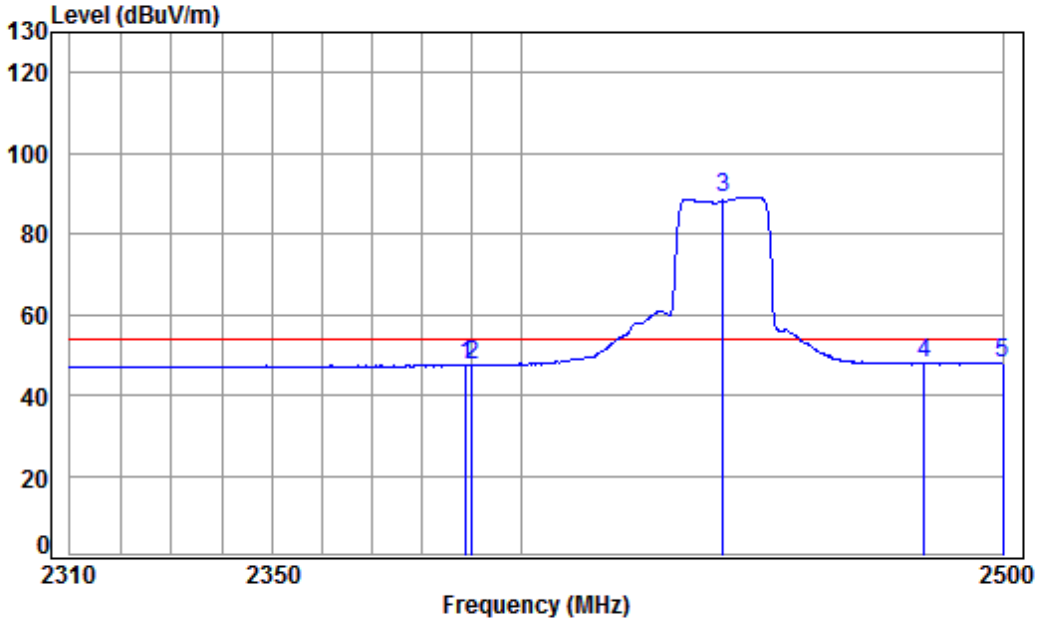
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2441.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2441.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2378.932	3.32	28.50	0.00	29.17	60.99	74.00	-13.01	peak
2	2390.000	3.33	28.52	0.00	26.89	58.74	74.00	-15.26	peak
3 pp	2441.500	3.38	28.62	0.00	71.54	103.54	74.00	29.54	peak
4	2483.500	3.41	28.67	0.00	27.36	59.44	74.00	-14.56	peak
5	2498.815	3.42	28.70	0.00	29.06	61.18	74.00	-12.82	peak

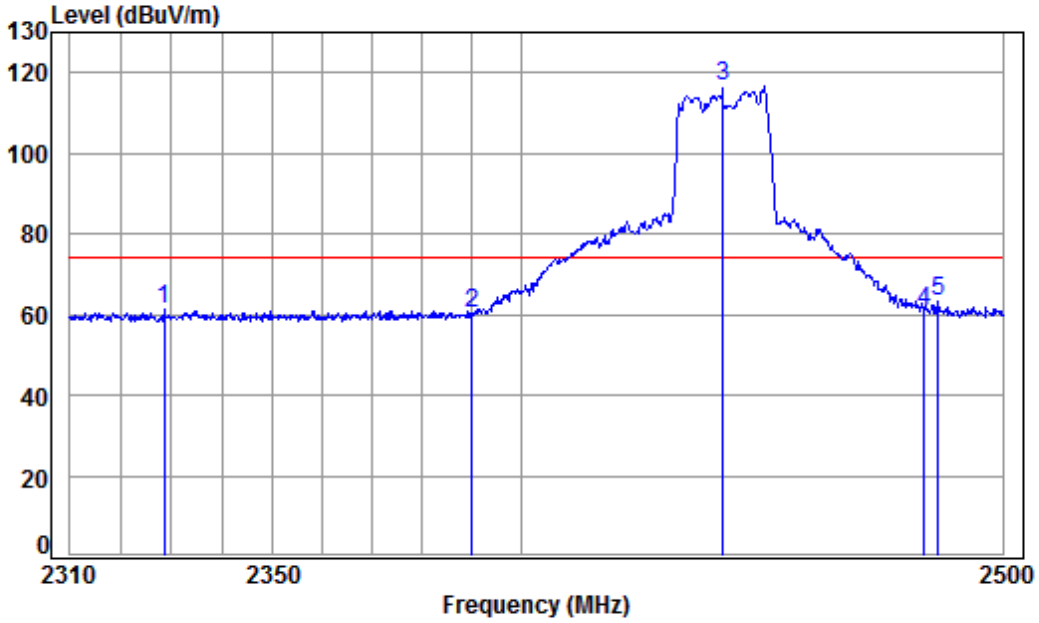
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2441.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2441.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.919	3.33	28.52	0.00	15.62	47.47	54.00	-6.53	peak
2	2390.000	3.33	28.52	0.00	15.48	47.33	54.00	-6.67	peak
3 pp	2441.500	3.38	28.62	0.00	56.92	88.92	54.00	34.92	peak
4	2483.500	3.41	28.67	0.00	15.77	47.85	54.00	-6.15	peak
5	2500.000	3.42	28.70	0.00	15.88	48.00	54.00	-6.00	peak

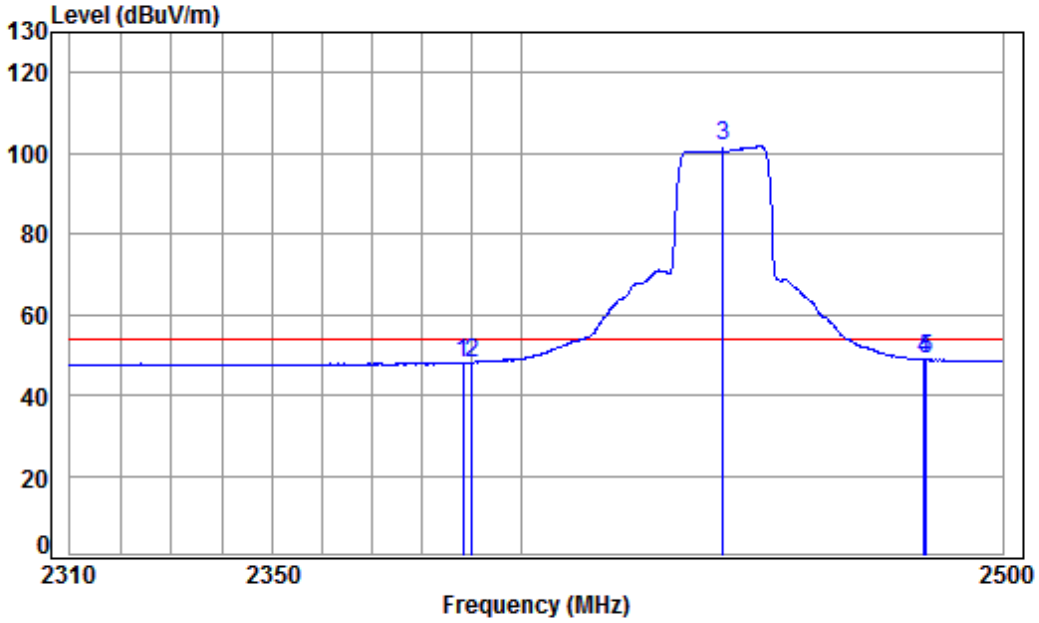
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2441.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2441.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2328.515	3.28	28.41	0.00	29.81	61.50	74.00	-12.50	peak
2	2390.000	3.33	28.52	0.00	28.62	60.47	74.00	-13.53	peak
3 pp	2441.500	3.38	28.62	0.00	84.47	116.47	74.00	42.47	peak
4	2483.500	3.41	28.67	0.00	28.90	60.98	74.00	-13.02	peak
5	2486.402	3.41	28.68	0.00	31.18	63.27	74.00	-10.73	peak

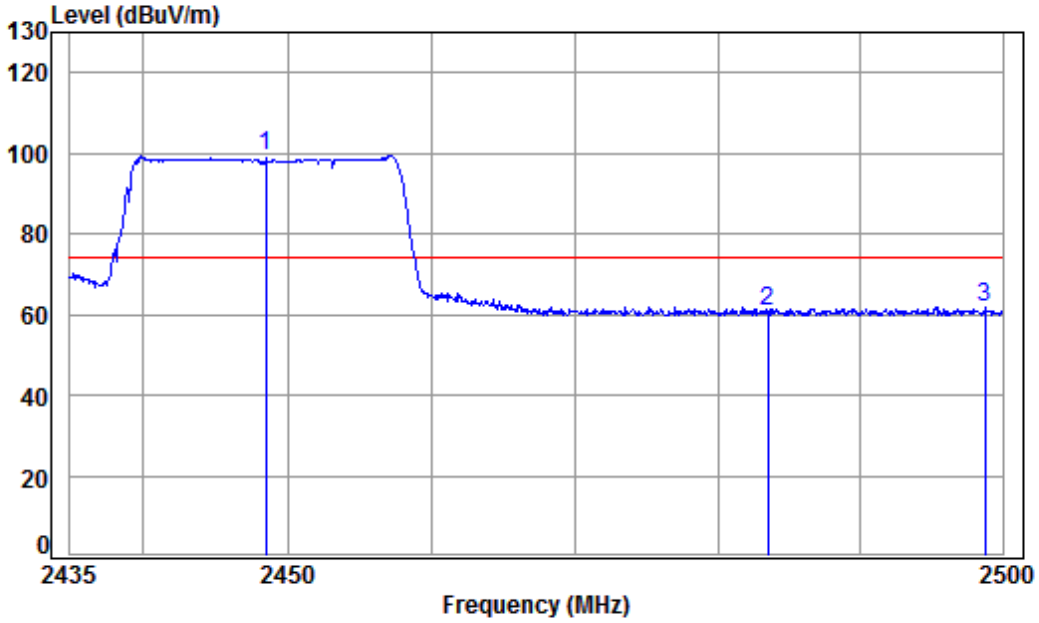
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2441.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2441.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.164	3.33	28.52	0.00	16.23	48.08	54.00	-5.92	Average
2	2390.000	3.33	28.52	0.00	16.13	47.98	54.00	-6.02	Average
3 pp	2441.500	3.38	28.62	0.00	69.68	101.68	54.00	47.68	Average
4	2483.500	3.41	28.67	0.00	16.79	48.87	54.00	-5.13	Average
5	2483.849	3.41	28.67	0.00	16.74	48.82	54.00	-5.18	Average

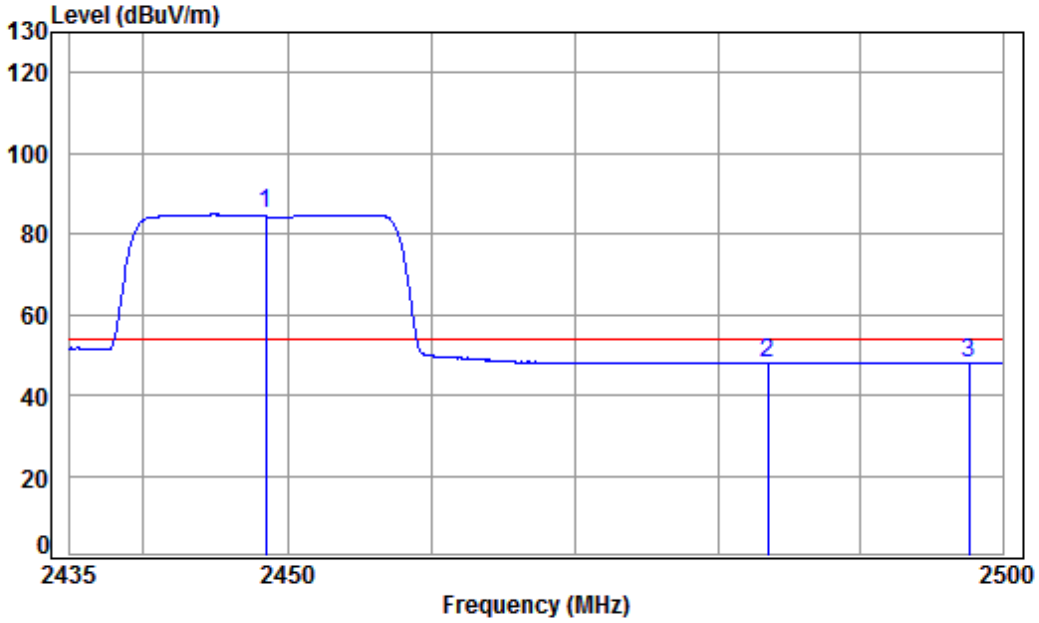
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2448.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2448.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2448.500	3.38	28.63	0.00	67.47	99.48	74.00	25.48	peak
2	2483.500	3.41	28.67	0.00	28.71	60.79	74.00	-13.21	peak
3	2498.749	3.42	28.70	0.00	29.55	61.67	74.00	-12.33	peak

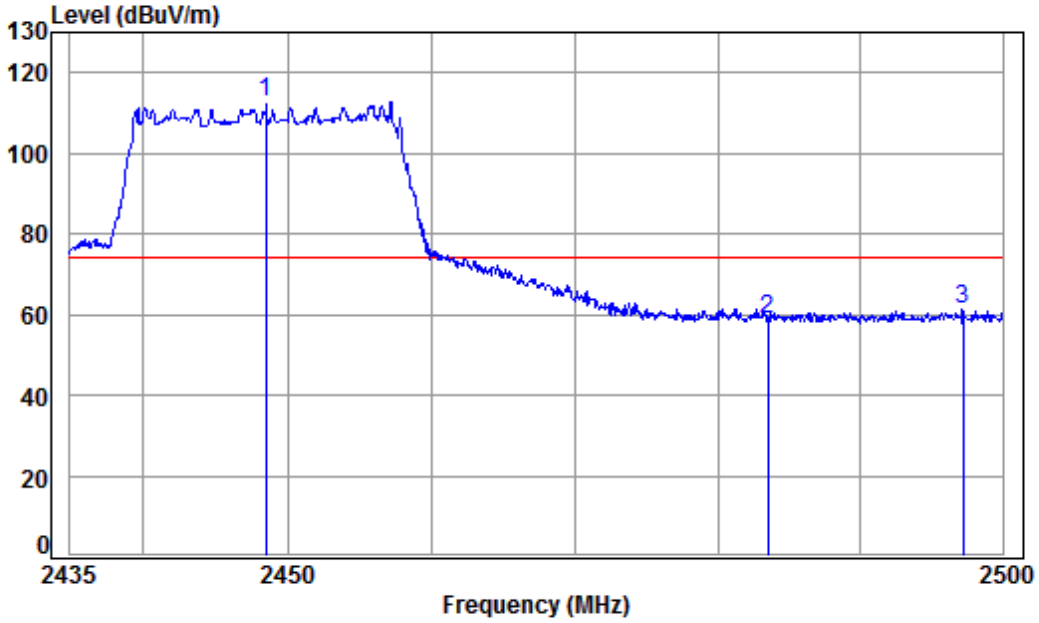
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2448.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2448.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2448.500	3.37	28.61	0.00	52.82	84.80	54.00	30.80	Average
2	2483.500	3.41	28.67	0.00	15.73	47.81	54.00	-6.19	Average
3	2497.630	3.42	28.70	0.00	15.92	48.04	54.00	-5.96	Average

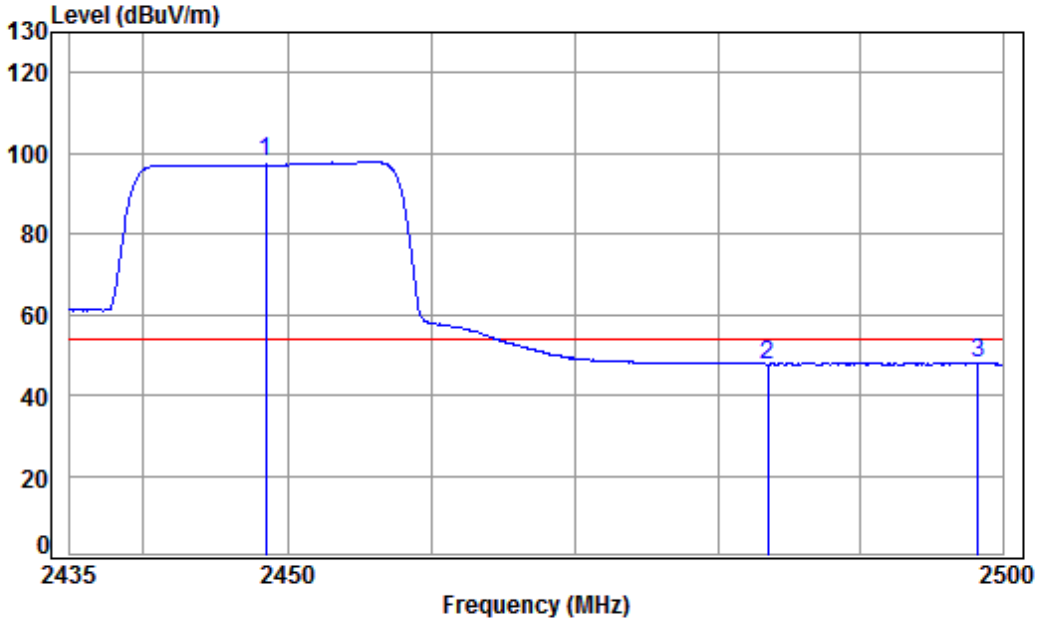
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2448.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2448.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2448.500	3.38	28.63	0.00	80.54	112.55	74.00	38.55	peak
2	2483.500	3.41	28.67	0.00	26.58	58.66	74.00	-15.34	peak
3	2497.170	3.42	28.70	0.00	28.93	61.05	74.00	-12.95	peak

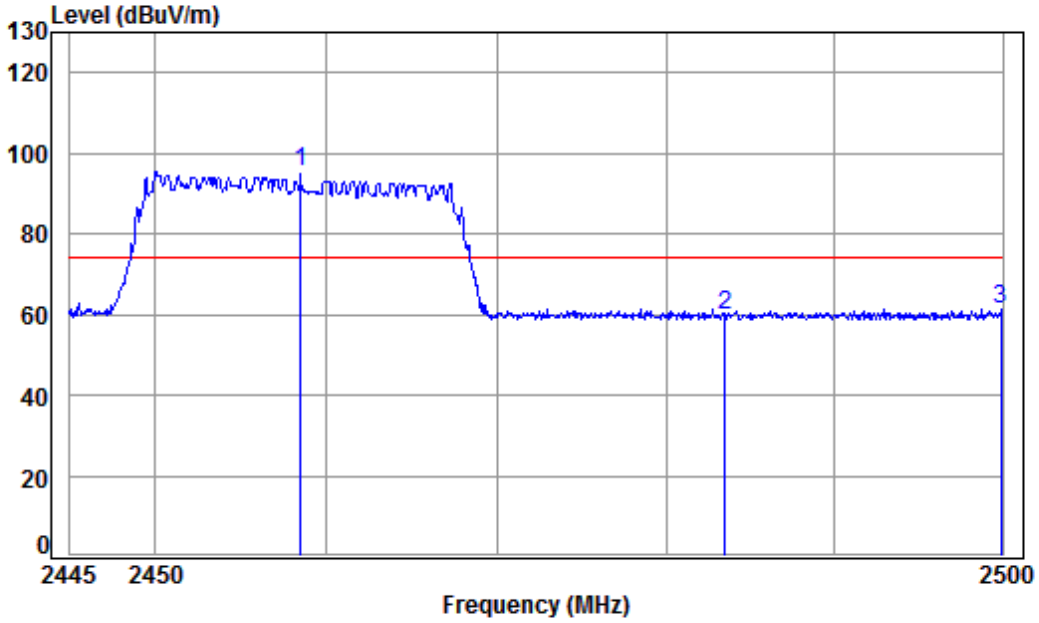
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2448.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2448.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2448.500	3.38	28.63	0.00	65.78	97.79	54.00	43.79	Average
2	2483.500	3.41	28.67	0.00	15.60	47.68	54.00	-6.32	Average
3	2498.288	3.42	28.70	0.00	15.81	47.93	54.00	-6.07	Average

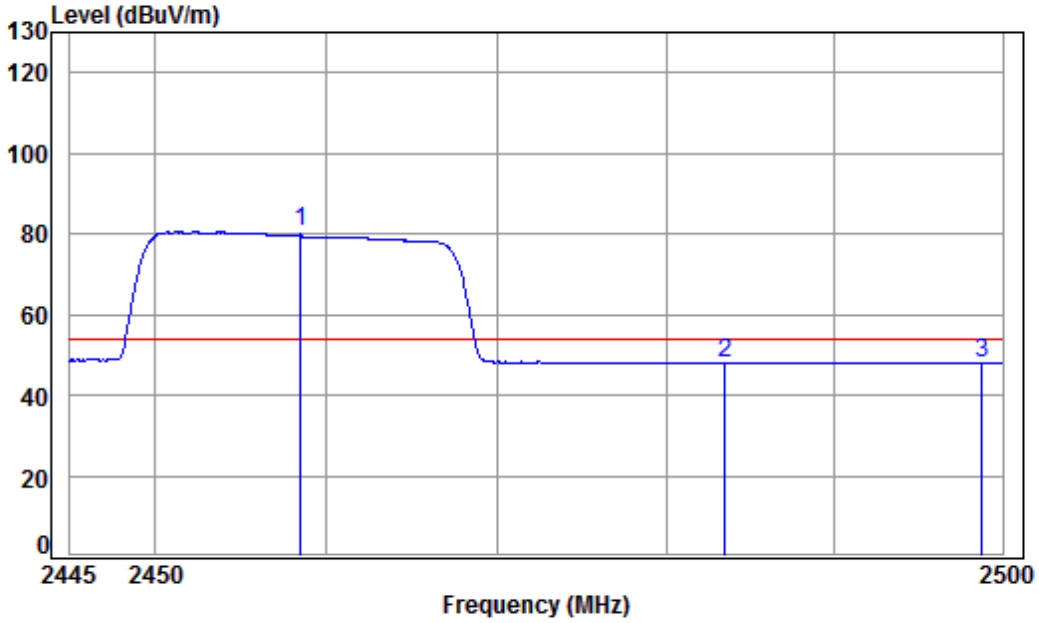
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2458.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2458.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2458.500	3.38	28.62	0.00	63.48	95.48	74.00	21.48	peak
2	2483.500	3.41	28.67	0.00	27.60	59.68	74.00	-14.32	peak
3	2499.889	3.42	28.70	0.00	29.28	61.40	74.00	-12.60	peak

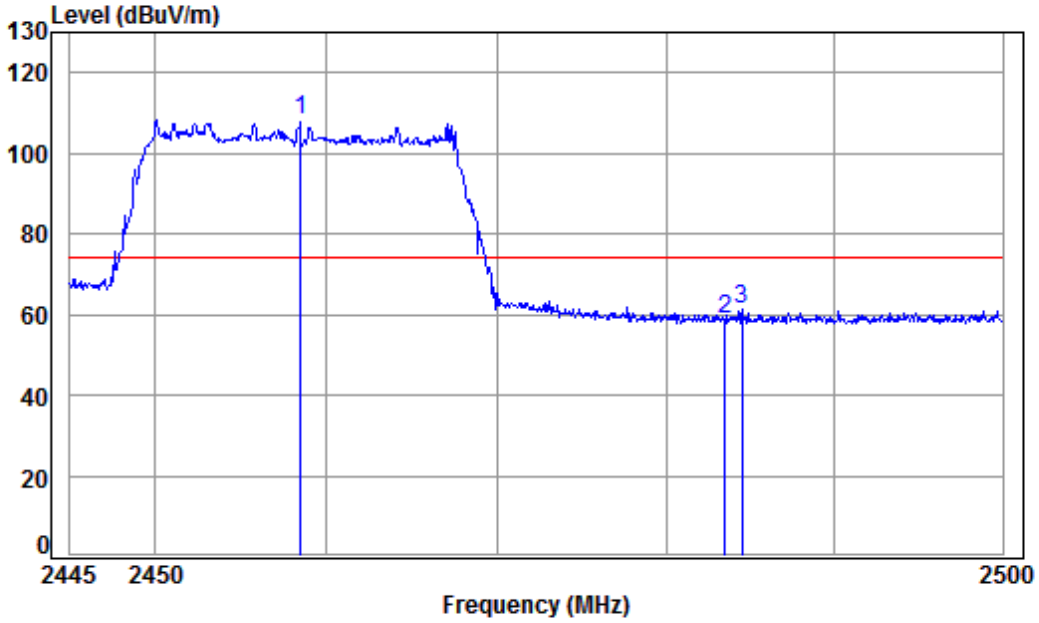
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2458.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2458.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2458.500	3.38	28.62	0.00	48.36	80.36	54.00	26.36	Average
2	2483.500	3.41	28.67	0.00	15.87	47.95	54.00	-6.05	Average
3	2498.777	3.42	28.70	0.00	15.95	48.07	54.00	-5.93	Average

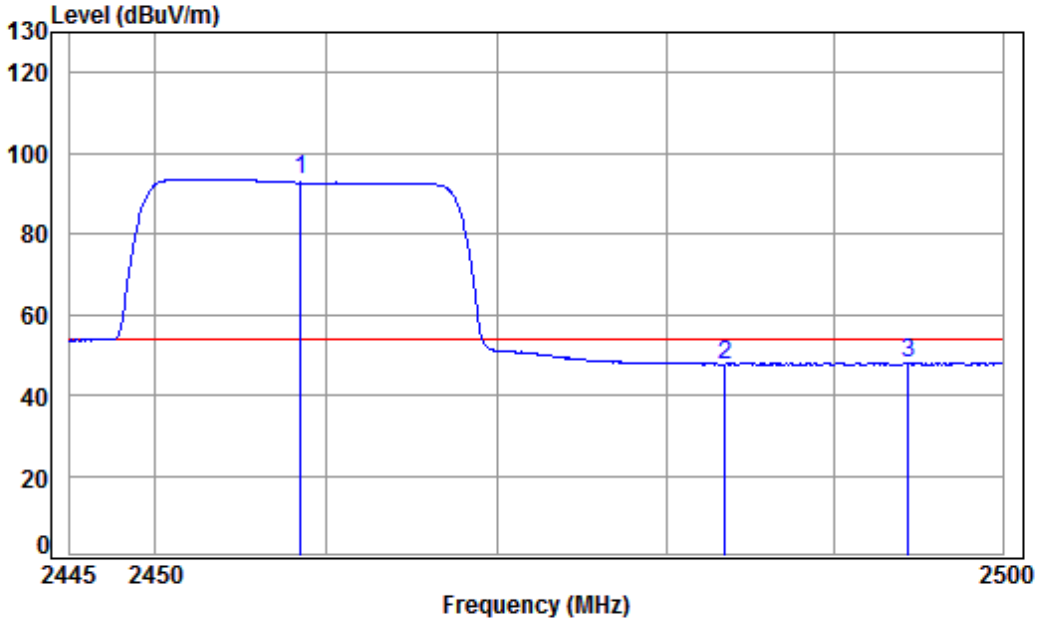
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2458.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2458.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2458.500	3.38	28.62	0.00	76.13	108.13	74.00	34.13	peak
2	2483.500	3.41	28.67	0.00	26.68	58.76	74.00	-15.24	peak
3	2484.477	3.41	28.67	0.00	29.21	61.29	74.00	-12.71	peak

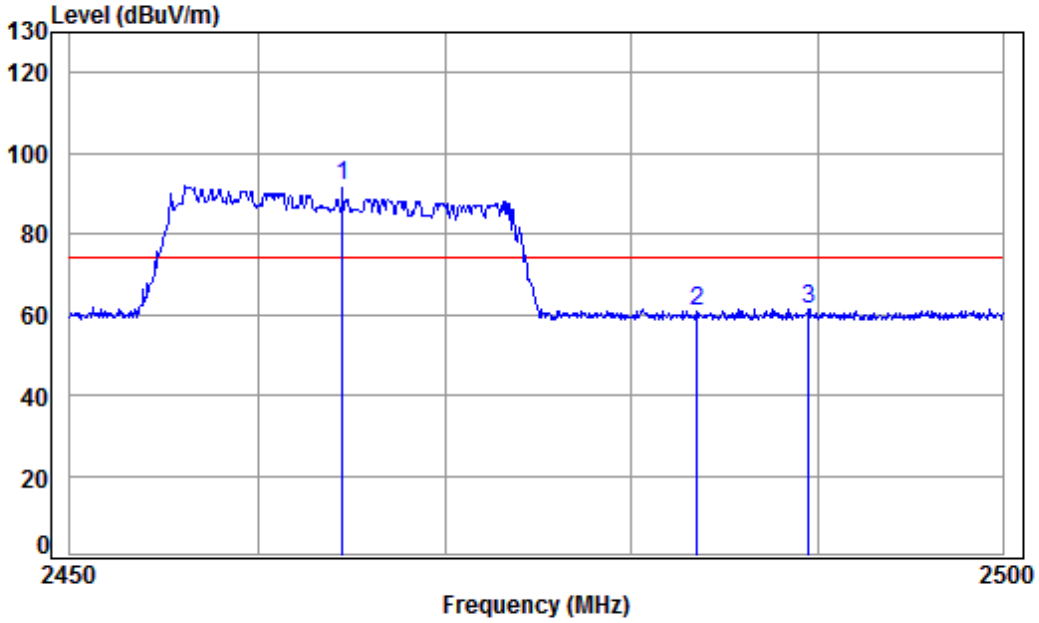
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2458.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2458.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2458.500	3.38	28.62	0.00	61.56	93.56	54.00	39.56	Average
2	2483.500	3.41	28.67	0.00	15.61	47.69	54.00	-6.31	Average
3	2494.389	3.42	28.69	0.00	15.82	47.93	54.00	-6.07	Average

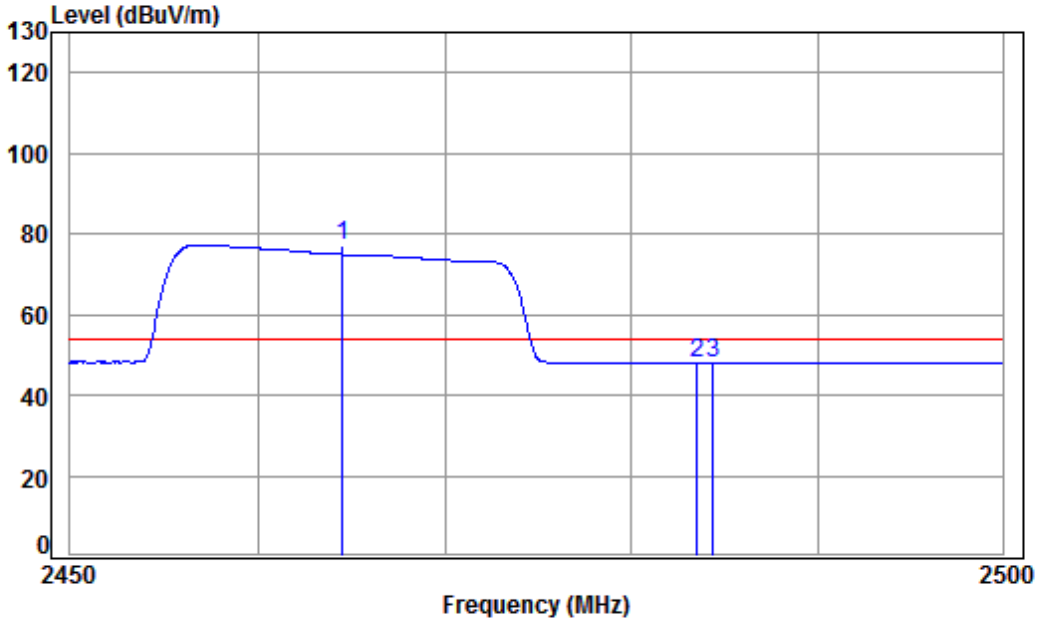
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2464.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2464.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2464.500	3.38	28.63	0.00	59.73	91.74	74.00	17.74	peak
2	2483.500	3.41	28.67	0.00	28.89	60.97	74.00	-13.03	peak
3	2489.517	3.41	28.68	0.00	29.23	61.32	74.00	-12.68	peak

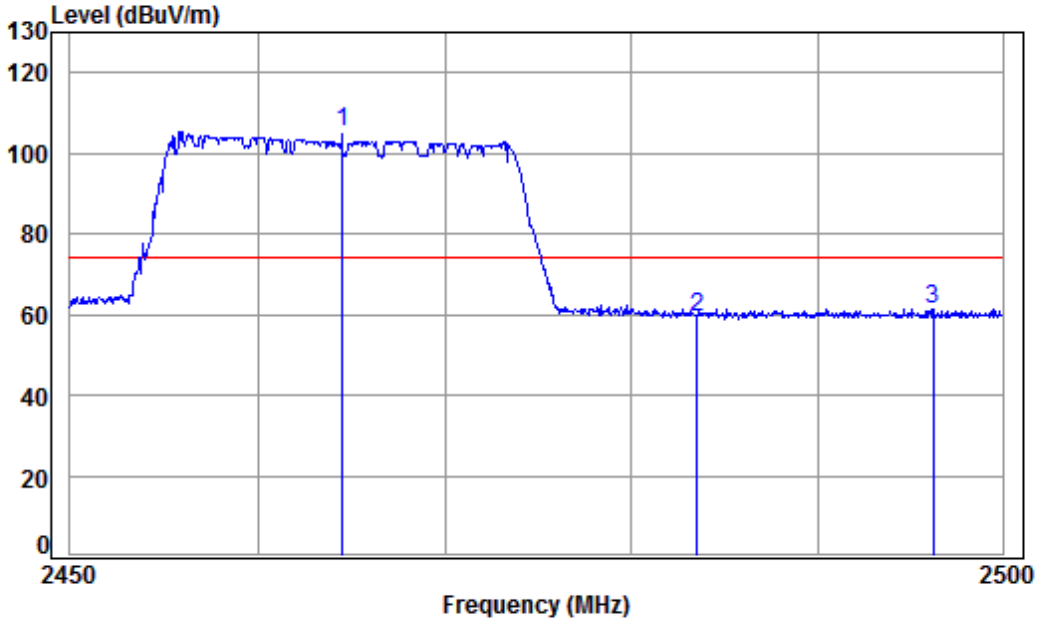
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2464.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2464.5 Band edge
Note : L1P 20M ANT1

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2464.500	3.38	28.63	0.00	45.13	77.14	54.00	23.14	Average
2		2483.500	3.41	28.67	0.00	15.72	47.80	54.00	-6.20	Average
3		2484.342	3.41	28.67	0.00	16.00	48.08	54.00	-5.92	Average

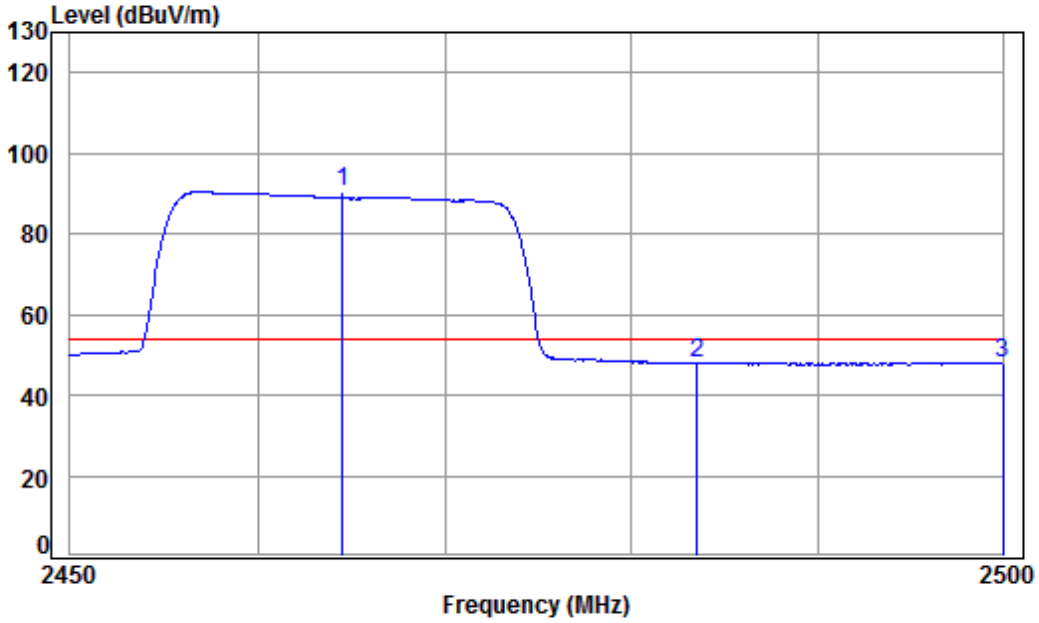
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2464.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2464.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2464.500	3.38	28.63	0.00	73.46	105.47	74.00	31.47	peak
2	2483.500	3.41	28.67	0.00	27.15	59.23	74.00	-14.77	peak
3	2496.215	3.42	28.69	0.00	29.42	61.53	74.00	-12.47	peak

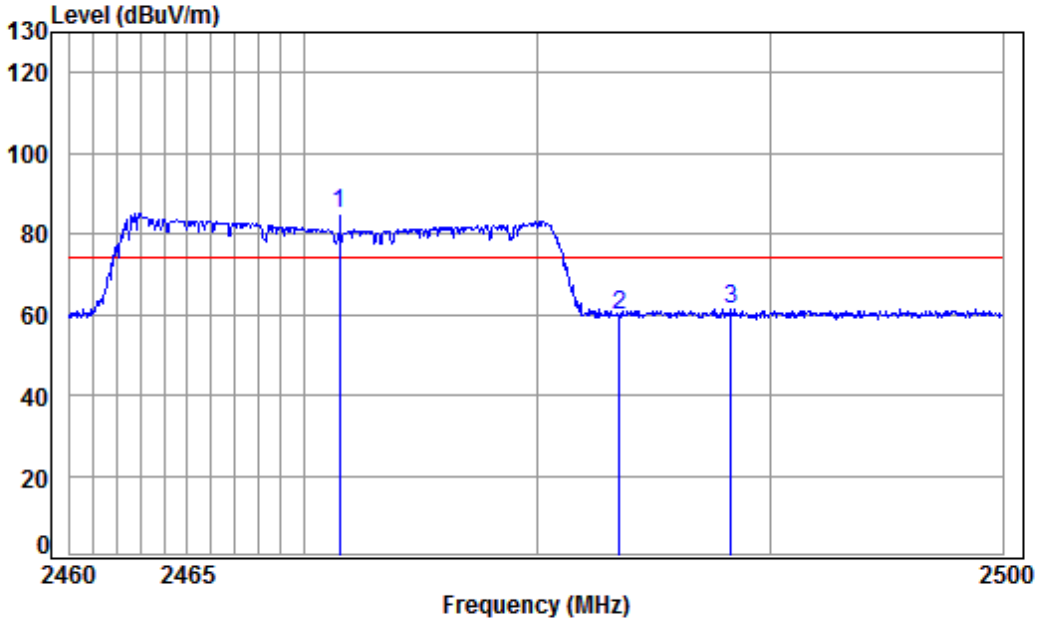
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2464.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2464.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2464.500	3.38	28.63	0.00	58.36	90.37	54.00	36.37	Average
2	2483.500	3.41	28.67	0.00	15.77	47.85	54.00	-6.15	Average
3	2500.000	3.42	28.70	0.00	15.89	48.01	54.00	-5.99	Average

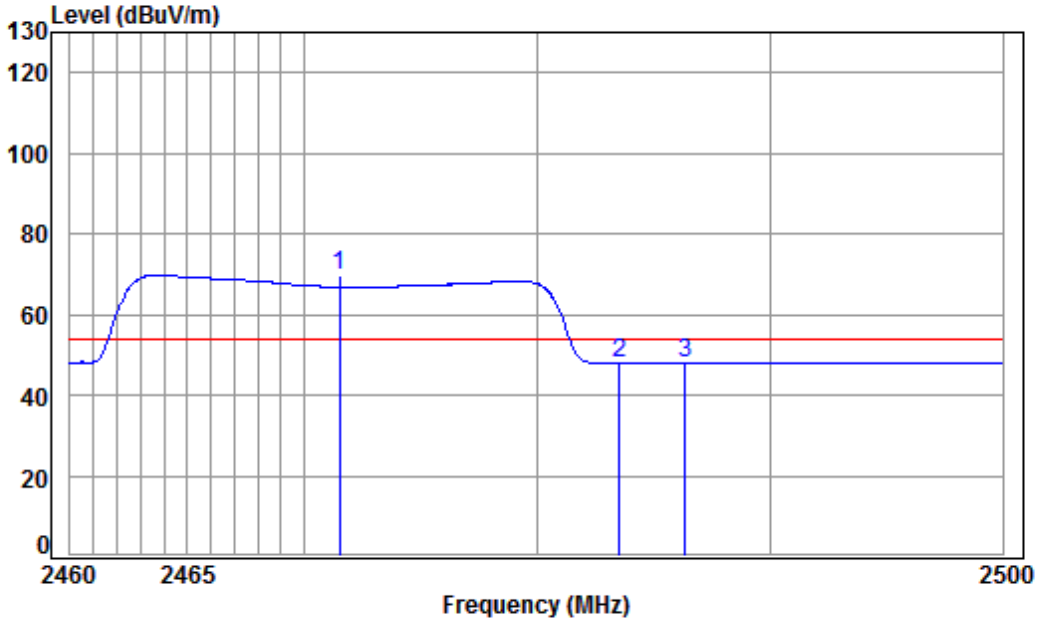
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2471.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2471.5 Band edge
Note : L1P 20M ANT1

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2471.500	3.39	28.64	0.00	53.08	85.11	74.00	11.11	peak
2		2483.500	3.41	28.67	0.00	27.96	60.04	74.00	-13.96	peak
3		2488.293	3.41	28.68	0.00	29.45	61.54	74.00	-12.46	peak

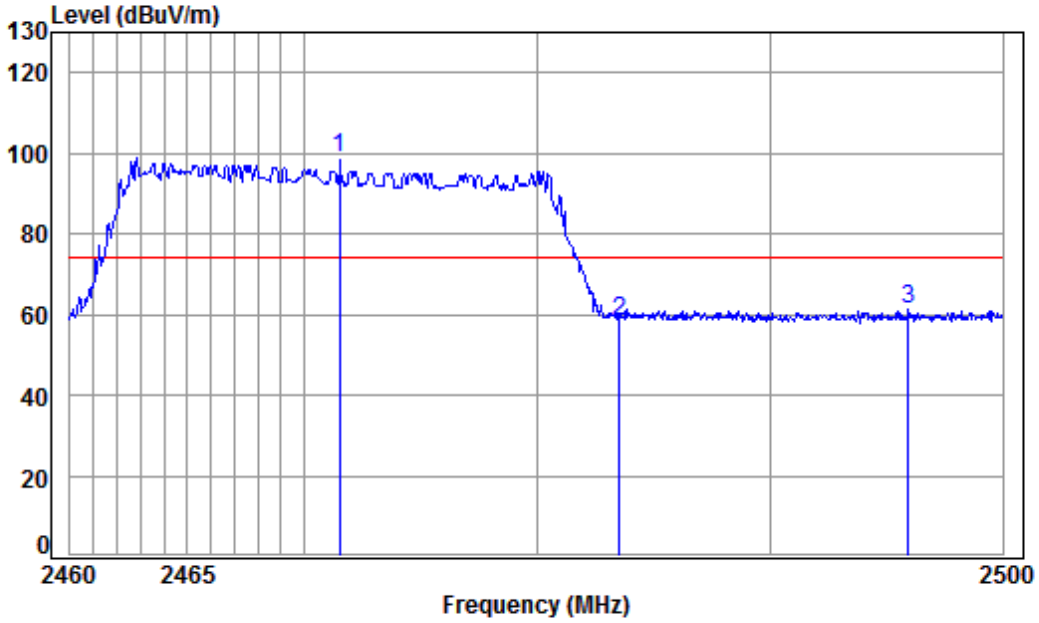
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2471.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2471.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.64	0.00	37.68	69.71	54.00	15.71	Average
2	2483.500	3.41	28.67	0.00	15.89	47.97	54.00	-6.03	Average
3	2486.328	3.41	28.68	0.00	15.99	48.08	54.00	-5.92	Average

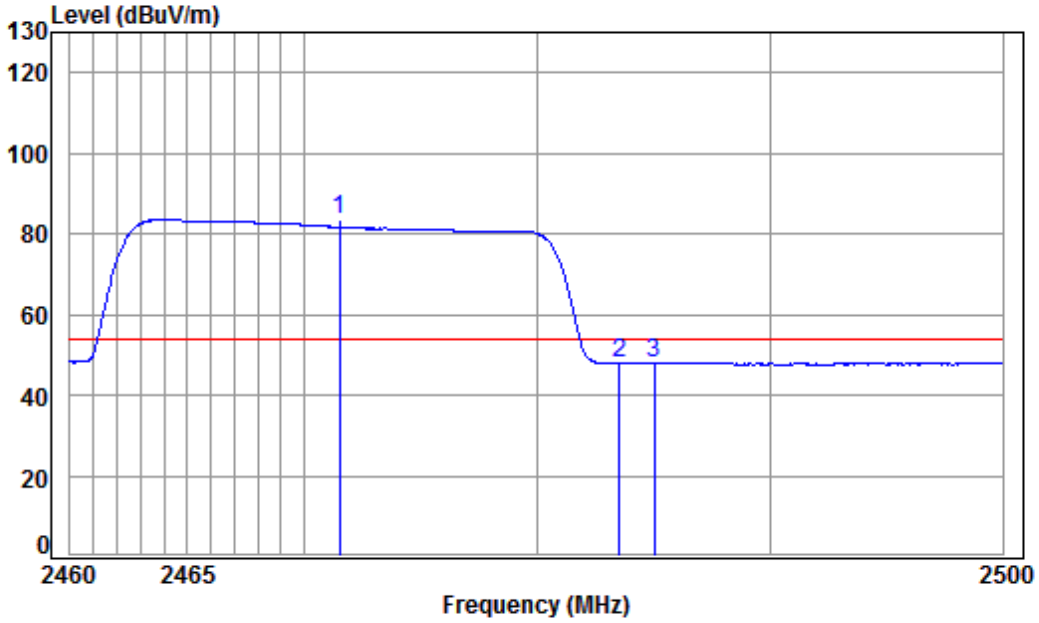
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2471.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2471.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.64	0.00	66.62	98.65	74.00	24.65	peak
2	2483.500	3.41	28.67	0.00	26.49	58.57	74.00	-15.43	peak
3	2495.931	3.42	28.69	0.00	29.37	61.48	74.00	-12.52	peak

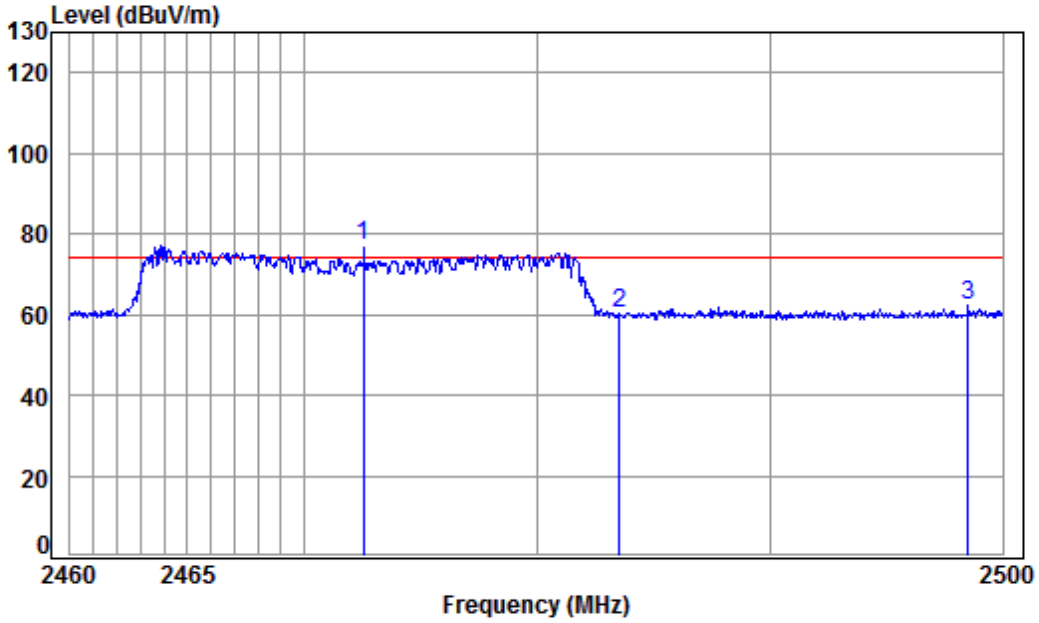
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2471.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2471.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2471.500	3.39	28.64	0.00	51.51	83.54	54.00	29.54	Average
2	2483.500	3.41	28.67	0.00	15.83	47.91	54.00	-6.09	Average
3	2485.004	3.41	28.68	0.00	16.00	48.09	54.00	-5.91	Average

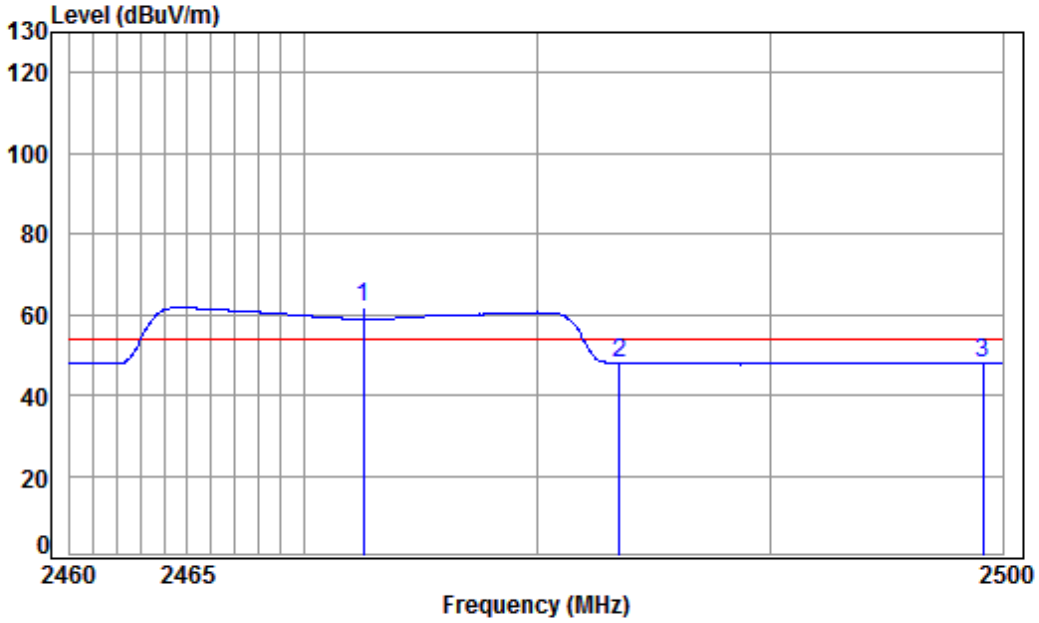
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2472.5MHz; Value:Peak



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2472.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2472.500	3.39	28.64	0.00	45.10	77.13	74.00	3.13	peak
2	2483.500	3.41	28.67	0.00	28.21	60.29	74.00	-13.71	peak
3	2498.509	3.42	28.70	0.00	29.97	62.09	74.00	-11.91	peak

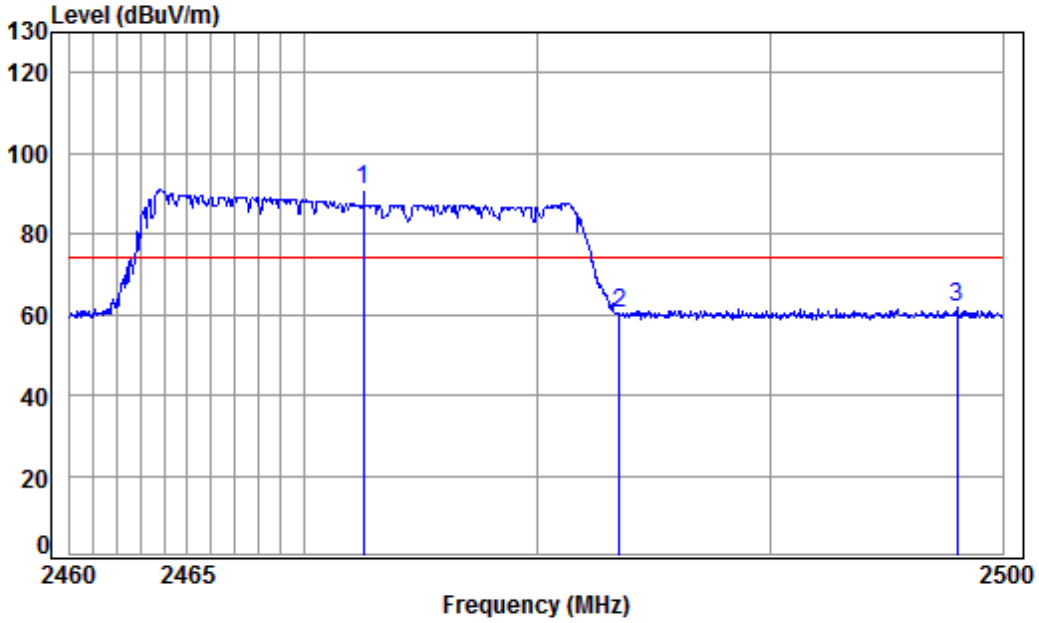
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2472.5MHz; Value:Average



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2472.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2472.500	3.39	28.64	0.00	29.76	61.79	54.00	7.79	Average
2	2483.500	3.41	28.67	0.00	15.87	47.95	54.00	-6.05	Average
3	2499.153	3.42	28.70	0.00	15.91	48.03	54.00	-5.97	Average

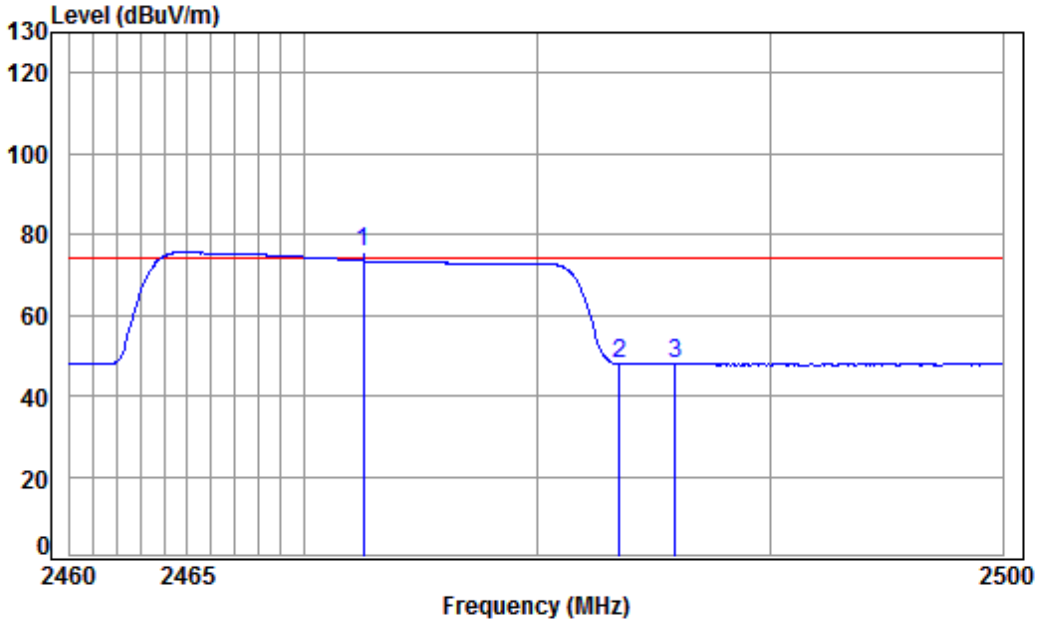
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2472.5MHz; Value:Peak



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2472.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2472.500	3.39	28.64	0.00	58.70	90.73	74.00	16.73	peak
2	2483.500	3.41	28.67	0.00	28.33	60.41	74.00	-13.59	peak
3	2498.025	3.42	28.70	0.00	29.42	61.54	74.00	-12.46	peak

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2472.5MHz; Value:Average



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2472.5 Band edge
Note : L1P 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2472.500	3.39	28.64	0.00	43.55	75.58	74.00	1.58	Average
2	2483.500	3.41	28.67	0.00	15.90	47.98	74.00	-26.02	Average
3	2485.886	3.41	28.68	0.00	15.89	47.98	74.00	-26.02	Average

7.8 Radiated Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209; RSS-247 Section 3.3 & RSS-Gen Section 8.9

Test Method: ANSI C63.10 (2013) Section 6.4,6.5,6.6

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.		

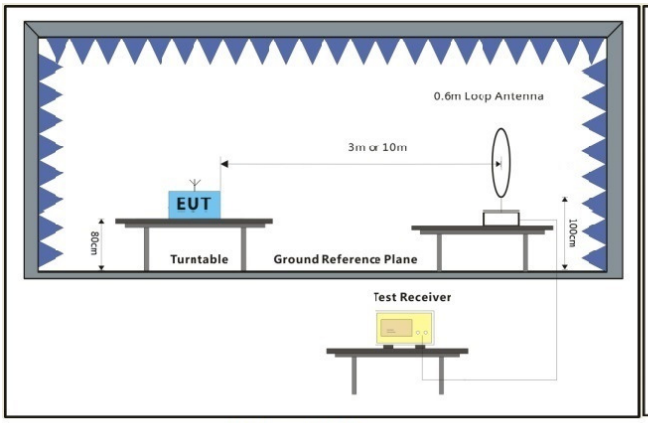
7.8.1 E.U.T. Operation

Operating Environment:

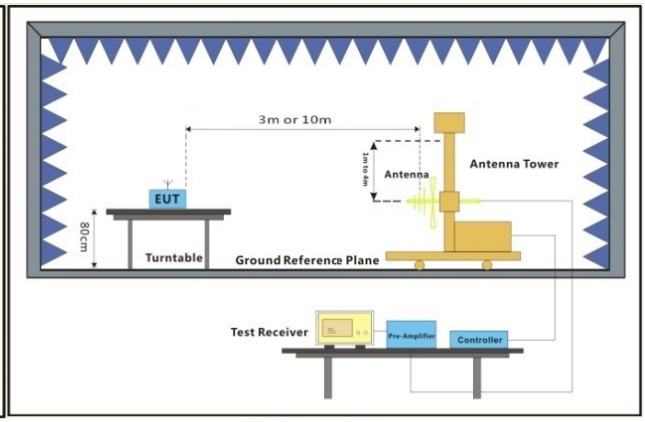
Temperature: 26.3 °C Humidity: 53.8 % RH Atmospheric Pressure: 1015 mbar

Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

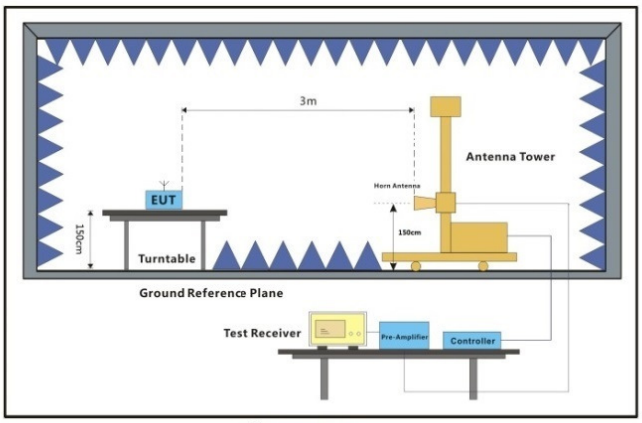
7.8.2 Test Setup Diagram



Below 30MHz



30MHz-1GHz



Above 1GHz

7.8.3 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

Remark:

1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel @1.4MHz BW mode. Only the worst case is recorded in the report.

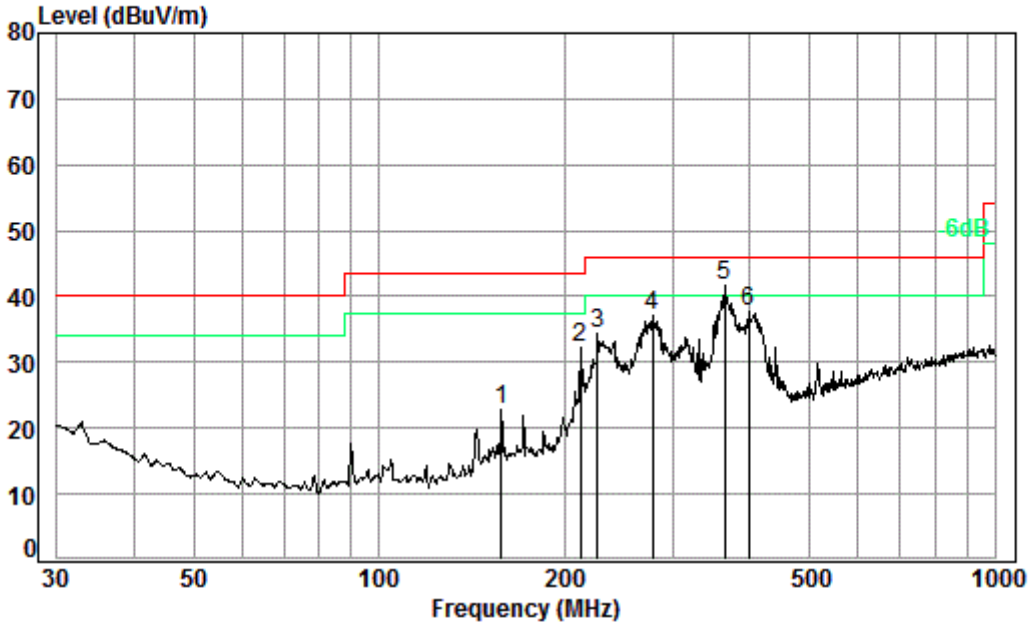
2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

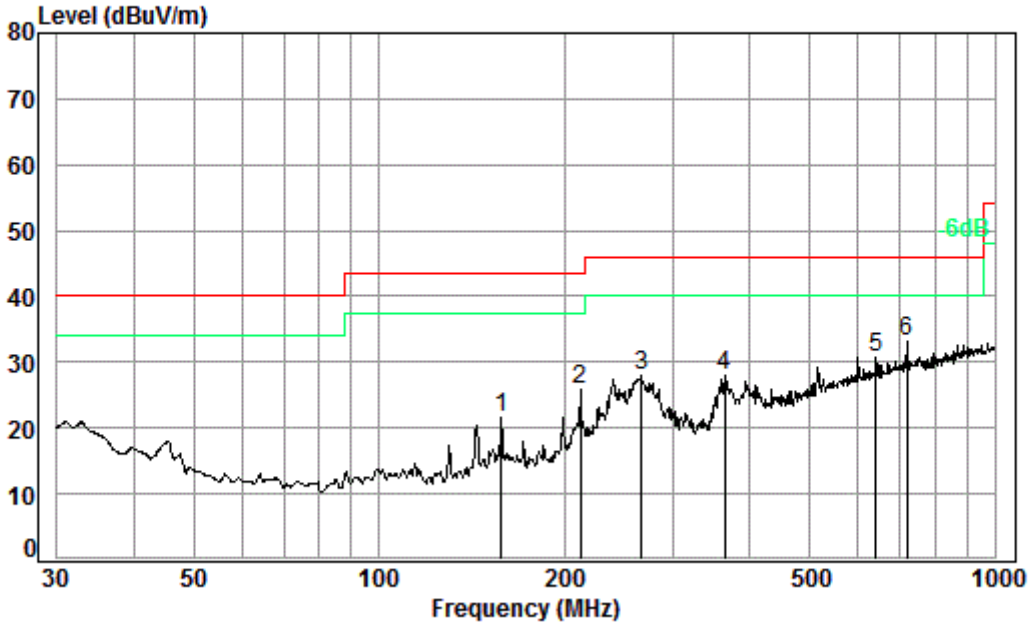
Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2403.5MHz;



Condition: 3m HORIZONTAL
Job No. : 04179CR
Test mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	158.11	1.33	15.34	27.52	33.59	22.74	43.50	-20.76	
2	212.27	1.47	16.94	27.53	41.41	32.29	43.50	-11.21	
3	226.10	1.55	17.70	27.53	42.50	34.22	46.00	-11.78	
4	278.07	1.81	18.83	27.54	43.87	36.97	46.00	-9.03	
5 pp	364.26	2.10	21.49	27.67	45.65	41.57	46.00	-4.43	
6	399.03	2.20	22.38	27.73	40.98	37.83	46.00	-8.17	

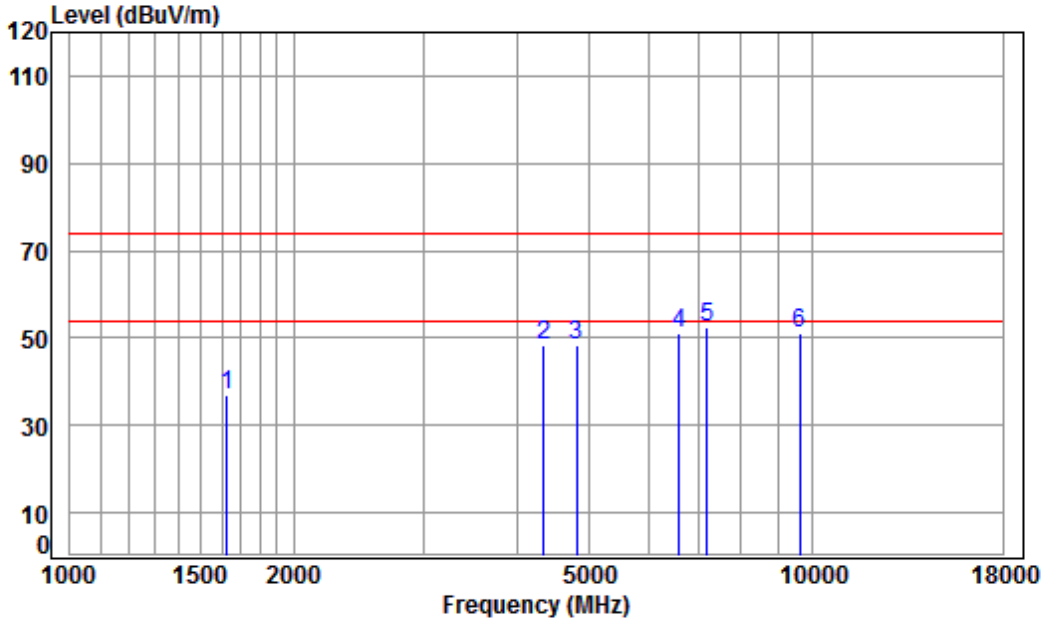
Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2403.5MHz;



Condition: 3m VERTICAL
Job No. : 04179CR
Test mode: a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	158.11	1.33	15.34	27.52	32.42	21.57	43.50	-21.93	
2	212.27	1.47	16.94	27.53	34.90	25.78	43.50	-17.72	
3	266.61	1.75	19.00	27.54	34.78	27.99	46.00	-18.01	
4	364.26	2.10	21.49	27.67	32.06	27.98	46.00	-18.02	
5	640.61	2.79	27.15	27.64	28.35	30.65	46.00	-15.35	
6 pp	719.20	2.96	28.02	27.52	29.72	33.18	46.00	-12.82	

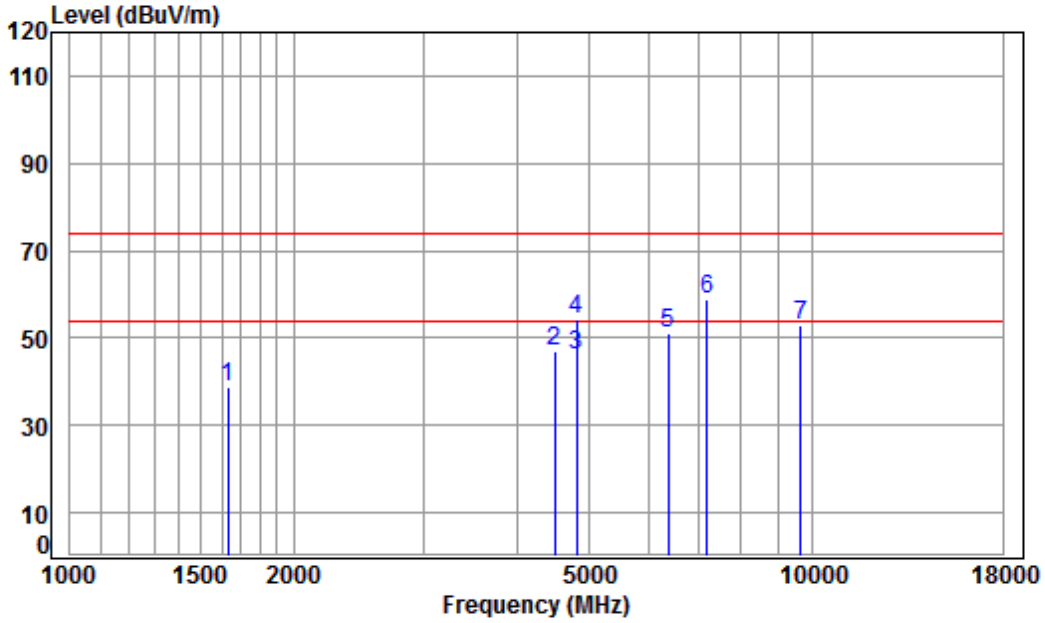
Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2403.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2403.5 TX RSE
Note : 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1625.121	5.32	26.36	41.49	46.73	36.92	74.00	-37.08	peak
2	4341.886	7.38	33.33	42.39	50.07	48.39	74.00	-25.61	peak
3	4806.000	7.89	33.97	42.47	49.13	48.52	74.00	-25.48	peak
4	6602.265	11.24	35.66	41.14	45.52	51.28	74.00	-22.72	peak
5 pp	7209.000	10.07	36.07	40.71	46.93	52.36	74.00	-21.64	peak
6	9612.000	10.75	37.67	37.73	40.50	51.19	74.00	-22.81	peak

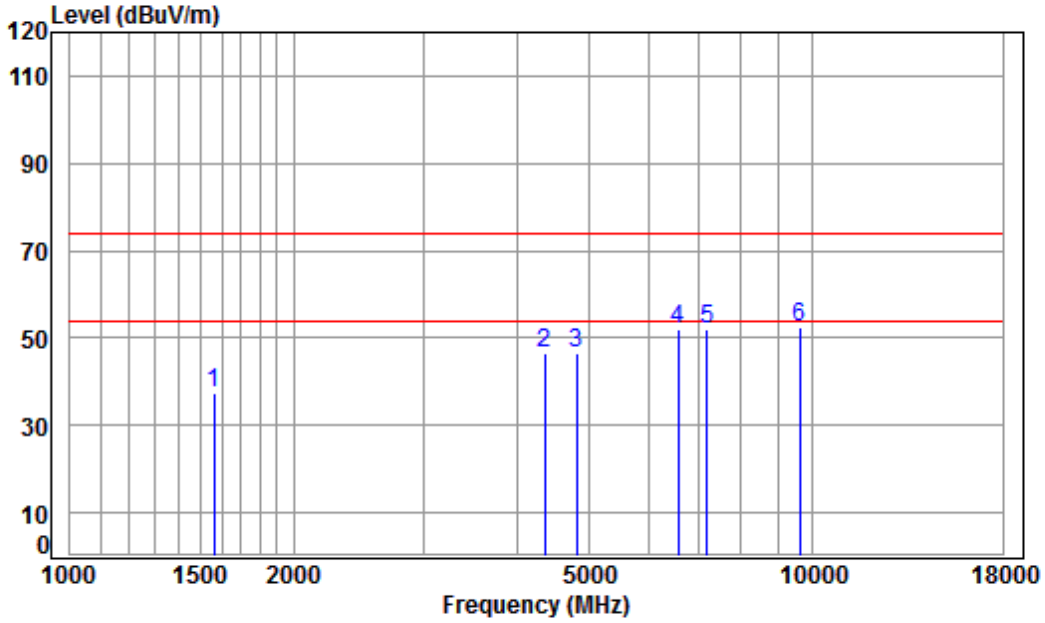
Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2403.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2403.5 TX RSE
Note : 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1629.825	5.31	26.38	41.49	48.59	38.79	74.00	-35.21	peak
2	4495.125	7.55	33.59	42.42	48.44	47.16	74.00	-26.84	peak
3 pp	4807.000	7.89	33.98	42.47	46.53	45.93	54.00	-8.07	Average
4	4807.000	7.89	33.98	42.47	54.83	54.23	74.00	-19.77	peak
5	6377.195	11.31	35.48	41.31	45.81	51.29	74.00	-22.71	peak
6 pk	7210.500	10.07	36.07	40.71	53.56	58.99	74.00	-15.01	peak
7	9614.000	10.75	37.67	37.73	42.07	52.76	74.00	-21.24	peak

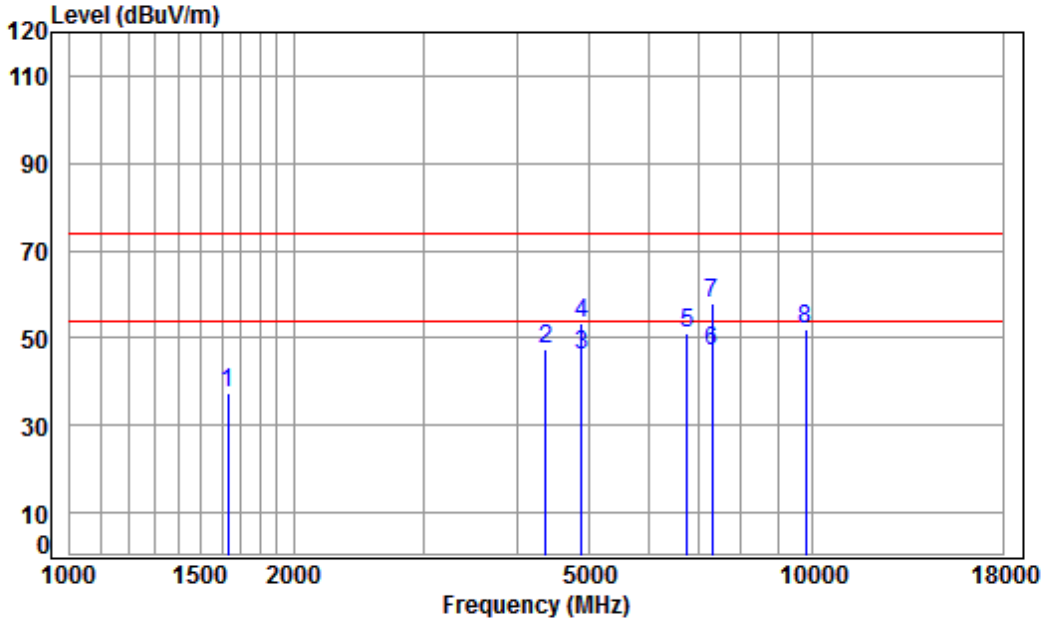
Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2441.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2441.5 TX RSE
Note : 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1565.191	5.39	26.10	41.45	47.44	37.48	74.00	-36.52	peak
2	4354.454	7.40	33.35	42.39	48.35	46.71	74.00	-27.29	peak
3	4806.000	7.89	33.97	42.47	47.35	46.74	74.00	-27.26	peak
4	6583.209	11.30	35.65	41.15	46.24	52.04	74.00	-21.96	peak
5	7209.000	10.07	36.07	40.71	46.64	52.07	74.00	-21.93	peak
6 pp	9612.000	10.75	37.67	37.73	41.78	52.47	74.00	-21.53	peak

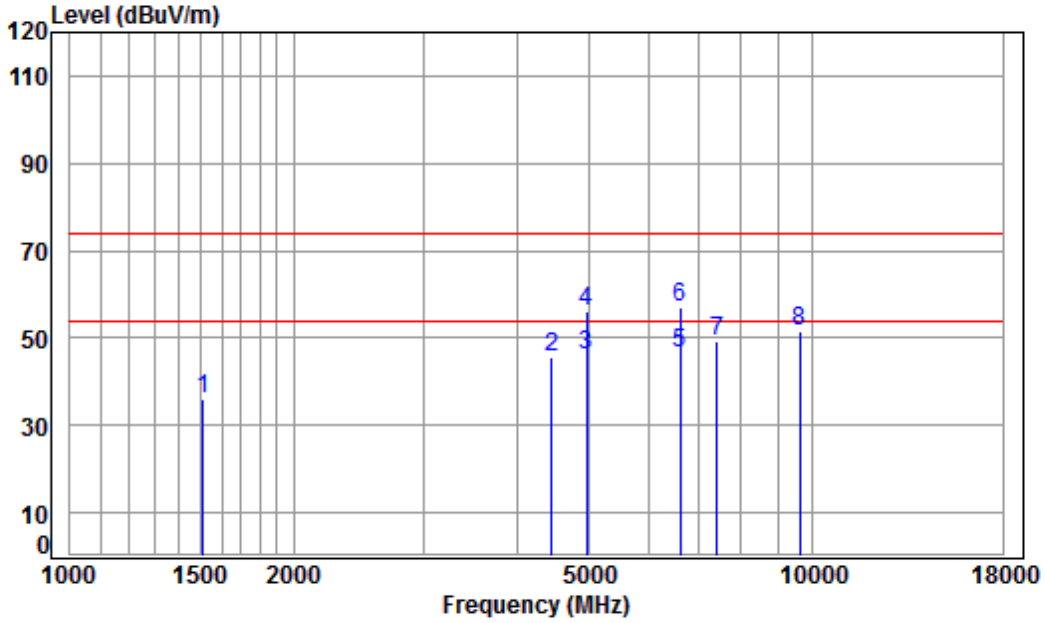
Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2441.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2441.5 TX RSE
Note : 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1629.825	5.31	26.38	41.49	46.99	37.19	74.00	-36.81	peak
2	4367.058	7.41	33.37	42.39	49.23	47.62	74.00	-26.38	peak
3	4883.000	7.97	34.07	42.48	46.64	46.20	54.00	-7.80	Average
4	4883.000	7.97	34.07	42.48	53.89	53.45	74.00	-20.55	peak
5	6776.265	10.75	35.77	41.01	45.60	51.11	74.00	-22.89	peak
6 pp	7324.500	10.04	36.16	40.63	41.33	46.90	54.00	-7.10	Average
7 pk	7324.500	10.04	36.16	40.63	52.20	57.77	74.00	-16.23	peak
8	9766.000	10.82	37.76	37.52	41.01	52.07	74.00	-21.93	peak

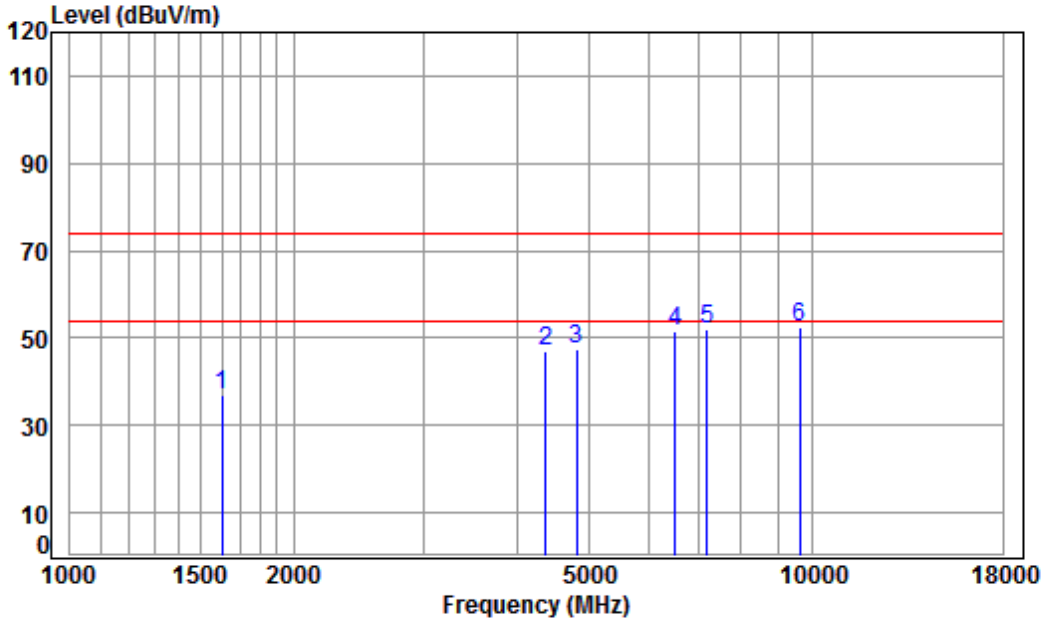
Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2477.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2477.5 TX RSE
Note : 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1511.833	5.46	25.85	41.41	45.99	35.89	74.00	-38.11	peak
2	4456.315	7.51	33.53	42.41	46.97	45.60	74.00	-28.40	peak
3	4955.000	8.04	34.15	42.49	46.29	45.99	54.00	-8.01	Average
4	4955.000	8.04	34.15	42.49	56.64	56.34	74.00	-17.66	peak
5	pp 6621.375	11.19	35.67	41.13	40.87	46.60	54.00	-7.40	Average
6	pk 6621.375	11.19	35.67	41.13	51.34	57.07	74.00	-16.93	peak
7	7432.500	10.02	36.25	40.56	43.71	49.42	74.00	-24.58	peak
8	9610.000	10.75	37.67	37.73	41.08	51.77	74.00	-22.23	peak

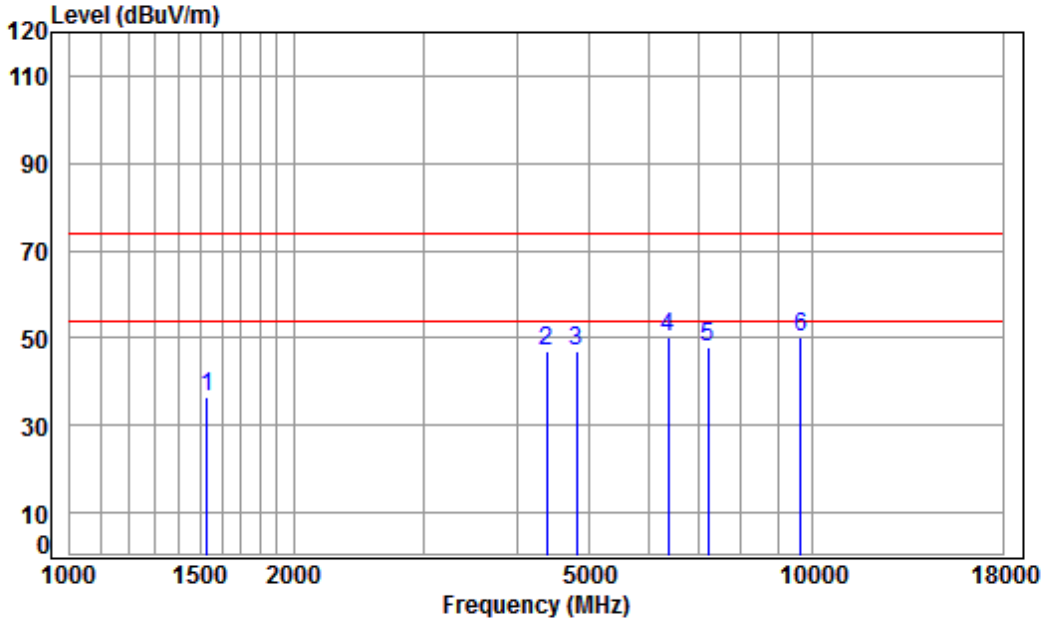
Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2477.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2477.5 TX RSE
Note : 1.4M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1601.804	5.35	26.26	41.47	47.05	37.19	74.00	-36.81	peak
2	4367.058	7.41	33.37	42.39	48.67	47.06	74.00	-26.94	peak
3	4806.000	7.89	33.97	42.47	47.87	47.26	74.00	-26.74	peak
4	6526.373	11.46	35.62	41.20	45.86	51.74	74.00	-22.26	peak
5	7209.000	10.07	36.07	40.71	46.52	51.95	74.00	-22.05	peak
6 pp	9612.000	10.75	37.67	37.73	41.72	52.41	74.00	-21.59	peak

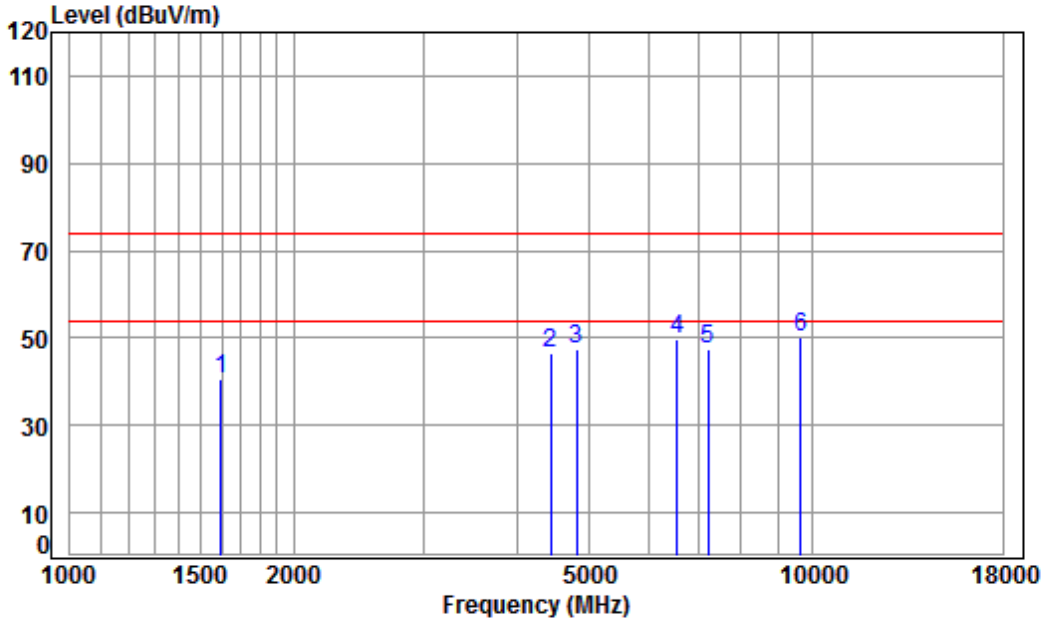
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2405.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2405.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1529.414	5.44	25.94	41.43	46.75	36.70	74.00	-37.30	peak
2	4379.699	7.43	33.39	42.40	48.66	47.08	74.00	-26.92	peak
3	4811.000	7.90	33.98	42.47	47.47	46.88	74.00	-27.12	peak
4 pp	6395.654	11.34	35.50	41.30	44.65	50.19	74.00	-23.81	peak
5	7216.500	10.07	36.08	40.70	42.48	47.93	74.00	-26.07	peak
6	9622.000	10.75	37.67	37.72	39.34	50.04	74.00	-23.96	peak

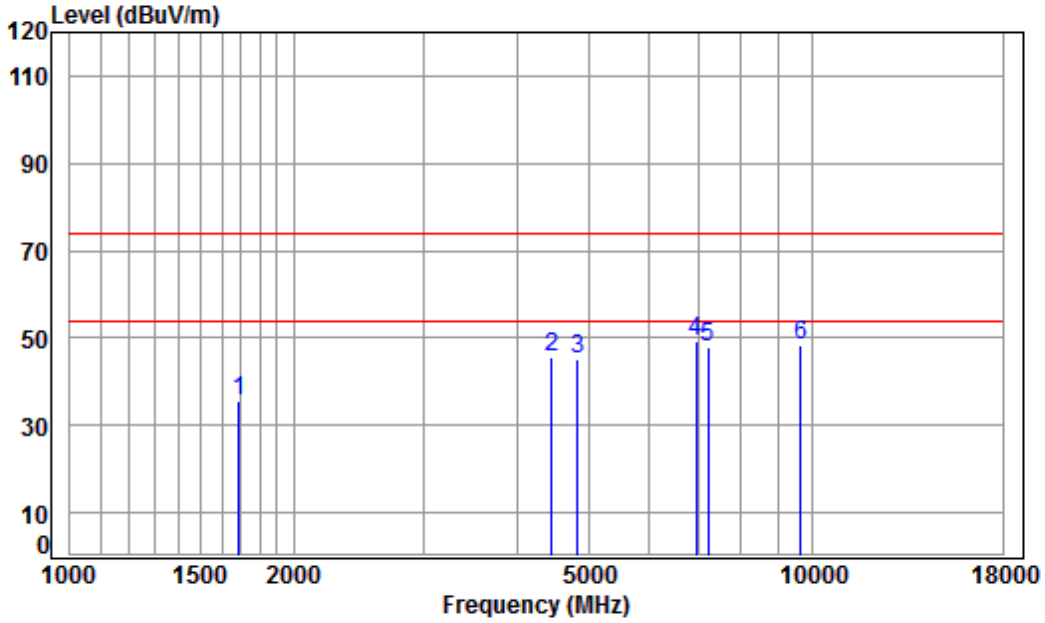
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2405.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2405.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1597.181	5.35	26.24	41.47	50.31	40.43	74.00	-33.57	peak
2	4430.628	7.48	33.48	42.41	48.19	46.74	74.00	-27.26	peak
3	4811.000	7.90	33.98	42.47	48.26	47.67	74.00	-26.33	peak
4	6564.209	11.35	35.64	41.17	43.97	49.79	74.00	-24.21	peak
5	7216.500	10.07	36.08	40.70	42.00	47.45	74.00	-26.55	peak
6 pp	9622.000	10.75	37.67	37.72	39.33	50.03	74.00	-23.97	peak

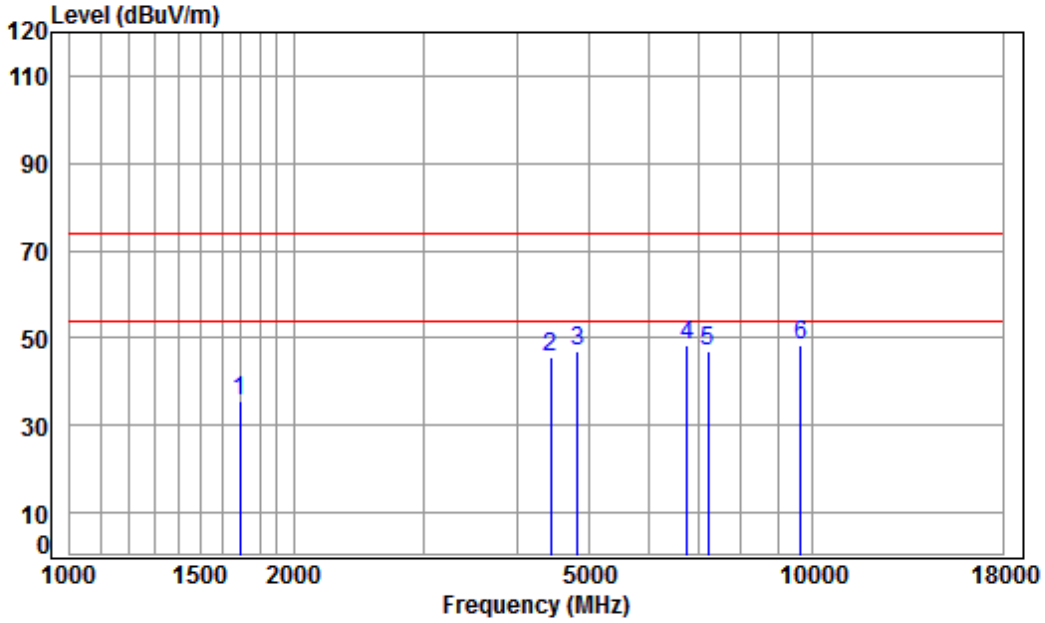
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2409.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2409.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1687.347	5.24	26.62	41.52	45.13	35.47	74.00	-38.53	peak
2	4456.315	7.51	33.53	42.41	46.94	45.57	74.00	-28.43	peak
3	4819.000	7.90	33.99	42.47	45.79	45.21	74.00	-28.79	peak
4 pp	6954.852	10.25	35.87	40.89	43.95	49.18	74.00	-24.82	peak
5	7228.500	10.07	36.09	40.70	42.53	47.99	74.00	-26.01	peak
6	9638.000	10.76	37.68	37.70	37.51	48.25	74.00	-25.75	peak

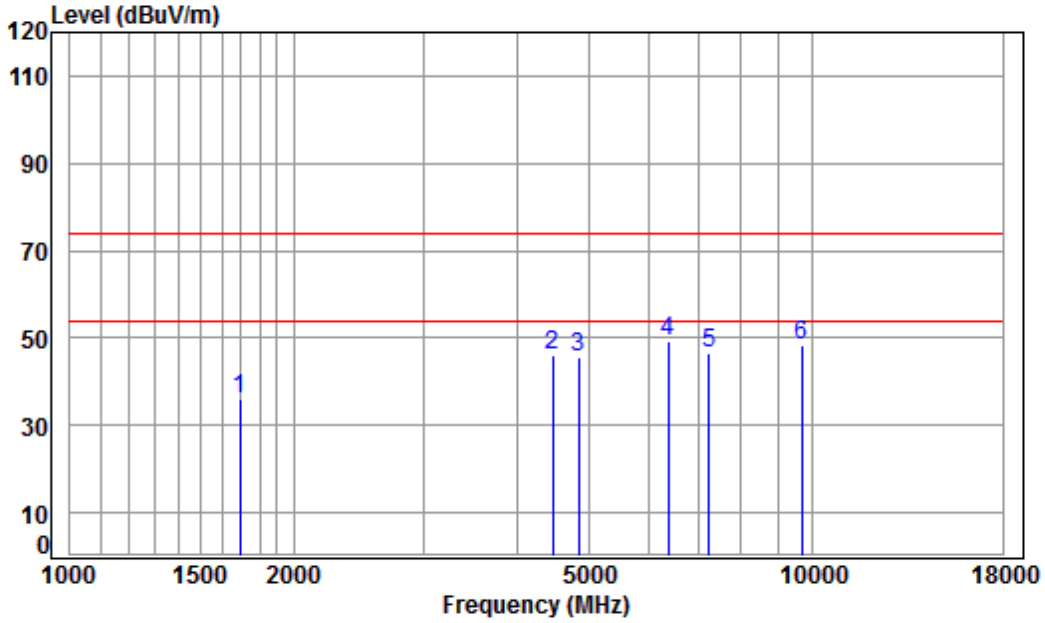
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2409.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2409.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1692.231	5.24	26.64	41.53	45.40	35.75	74.00	-38.25	peak
2	4443.453	7.50	33.50	42.41	47.14	45.73	74.00	-28.27	peak
3	4819.000	7.90	33.99	42.47	47.39	46.81	74.00	-27.19	peak
4	6776.265	10.75	35.77	41.01	42.83	48.34	74.00	-25.66	peak
5	7228.500	10.07	36.09	40.70	41.48	46.94	74.00	-27.06	peak
6 pp	9638.000	10.76	37.68	37.70	37.68	48.42	74.00	-25.58	peak

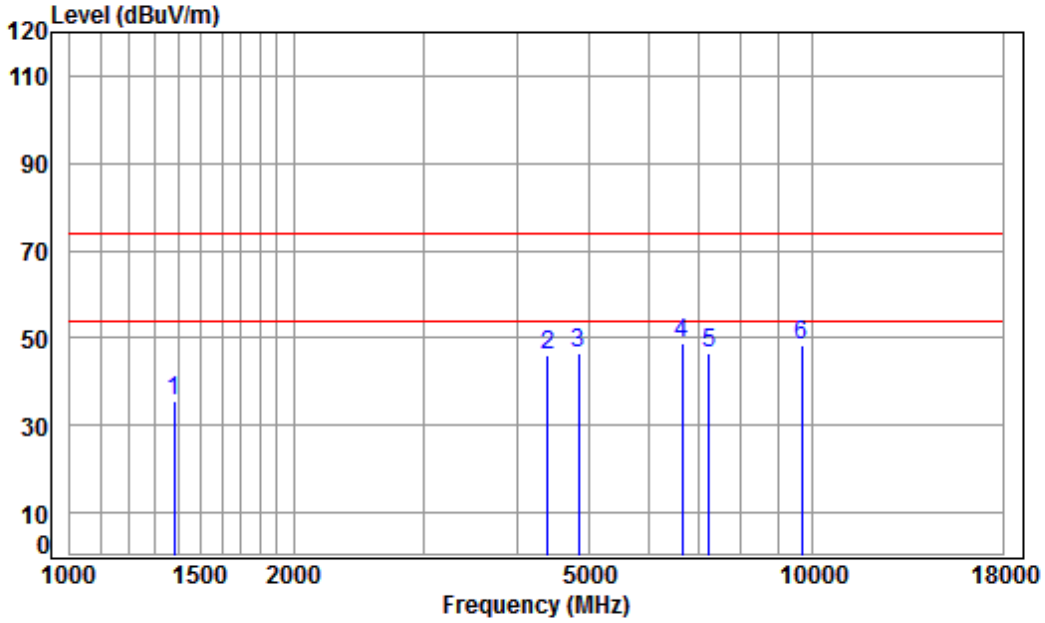
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2417.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2417.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1692.231	5.24	26.64	41.53	45.49	35.84	74.00	-38.16	peak
2	4469.214	7.53	33.55	42.41	47.63	46.30	74.00	-27.70	peak
3	4835.000	7.92	34.01	42.47	46.13	45.59	74.00	-28.41	peak
4 pp	6395.654	11.34	35.50	41.30	43.66	49.20	74.00	-24.80	peak
5	7252.500	10.06	36.11	40.68	41.27	46.76	74.00	-27.24	peak
6	9670.000	10.78	37.70	37.65	37.32	48.15	74.00	-25.85	peak

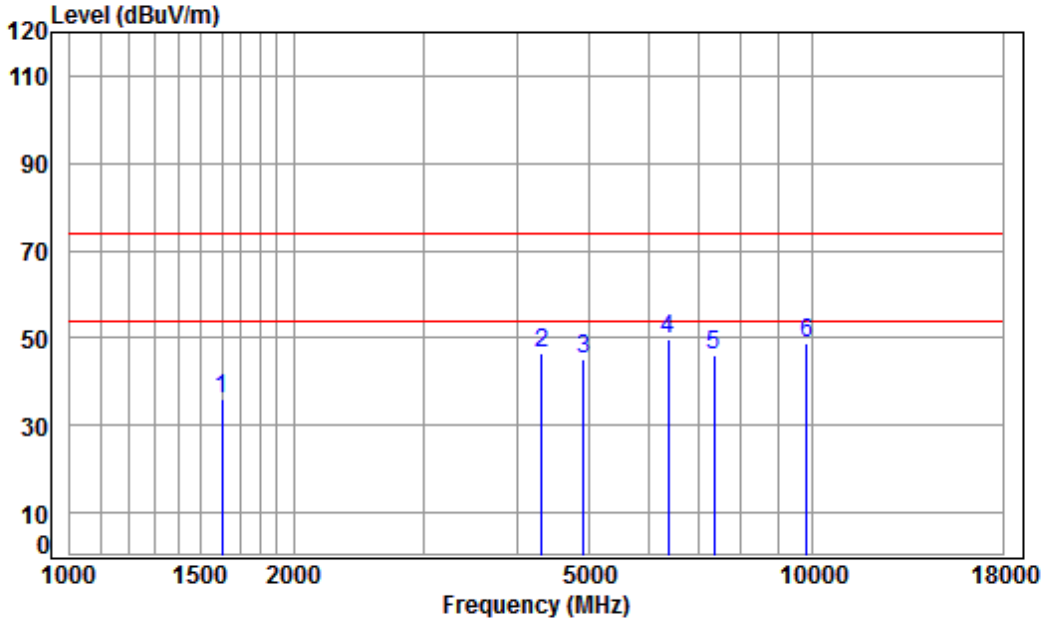
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2417.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2417.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1382.262	5.09	25.36	41.32	46.32	35.45	74.00	-38.55	peak
2	4392.376	7.44	33.42	42.40	47.59	46.05	74.00	-27.95	peak
3	4835.000	7.92	34.01	42.47	46.88	46.34	74.00	-27.66	peak
4 pp	6659.763	11.08	35.70	41.10	43.32	49.00	74.00	-25.00	peak
5	7252.500	10.06	36.11	40.68	40.90	46.39	74.00	-27.61	peak
6	9670.000	10.78	37.70	37.65	37.33	48.16	74.00	-25.84	peak

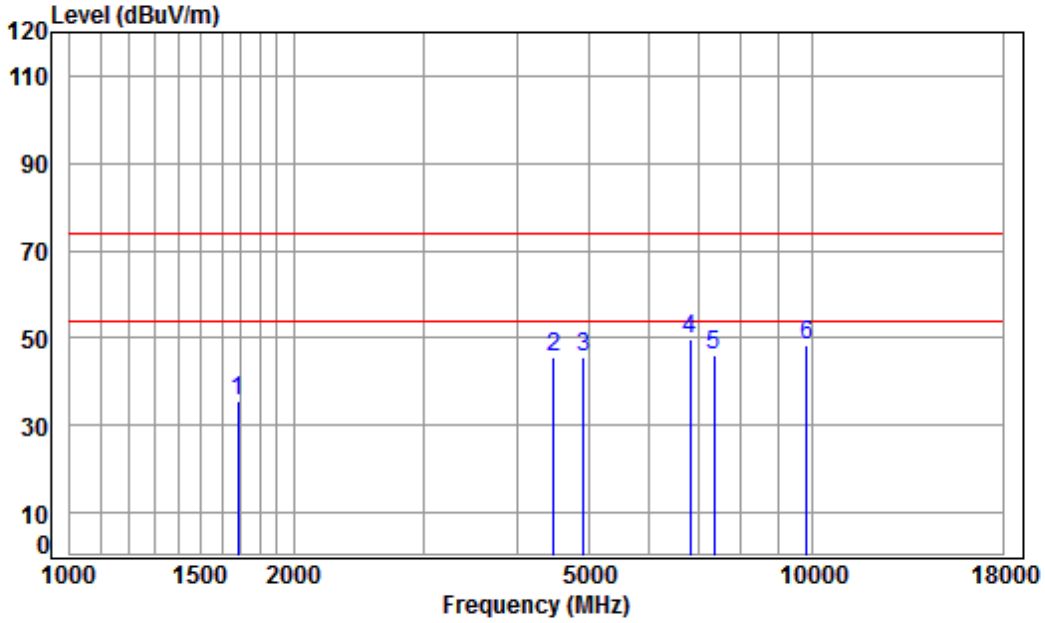
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2455.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2455.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1601.804	5.35	26.26	41.47	45.70	35.84	74.00	-38.16	peak
2	4316.859	7.36	33.28	42.38	48.14	46.40	74.00	-27.60	peak
3	4911.000	8.00	34.10	42.49	45.35	44.96	74.00	-29.04	peak
4 pp	6377.195	11.31	35.48	41.31	44.16	49.64	74.00	-24.36	peak
5	7366.500	10.03	36.20	40.60	40.37	46.00	74.00	-28.00	peak
6	9822.000	10.85	37.79	37.44	37.64	48.84	74.00	-25.16	peak

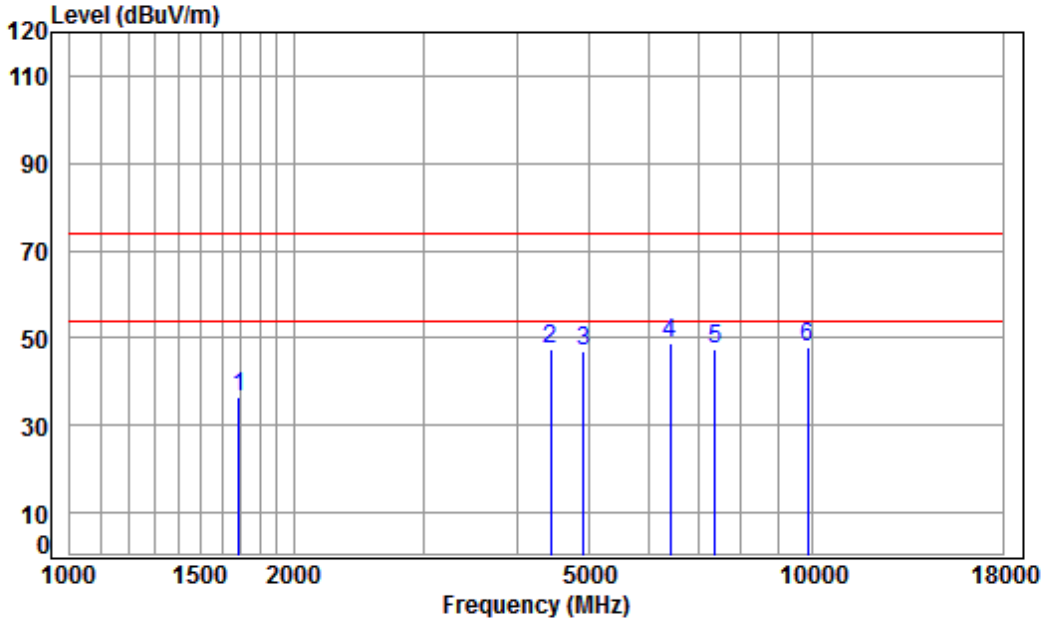
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2455.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2455.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1682.477	5.25	26.60	41.52	45.33	35.66	74.00	-38.34	peak
2	4482.150	7.54	33.57	42.41	47.06	45.76	74.00	-28.24	peak
3	4911.000	8.00	34.10	42.49	45.80	45.41	74.00	-28.59	peak
4 pp	6835.278	10.58	35.80	40.97	44.14	49.55	74.00	-24.45	peak
5	7366.500	10.03	36.20	40.60	40.61	46.24	74.00	-27.76	peak
6	9822.000	10.85	37.79	37.44	37.11	48.31	74.00	-25.69	peak

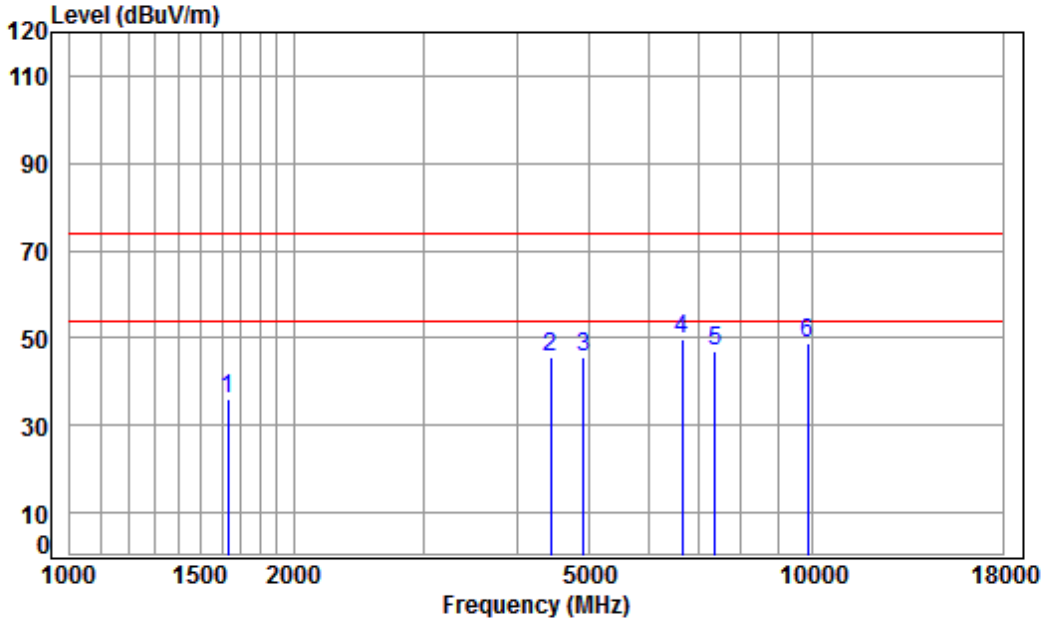
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2459.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2459.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1687.347	5.24	26.62	41.52	46.36	36.70	74.00	-37.30	peak
2	4430.628	7.48	33.48	42.41	48.74	47.29	74.00	-26.71	peak
3	4919.000	8.01	34.11	42.49	47.28	46.91	74.00	-27.09	peak
4 pp	6432.732	11.41	35.54	41.27	43.37	49.05	74.00	-24.95	peak
5	7378.500	10.03	36.21	40.60	41.90	47.54	74.00	-26.46	peak
6	9838.000	10.86	37.80	37.42	36.77	48.01	74.00	-25.99	peak

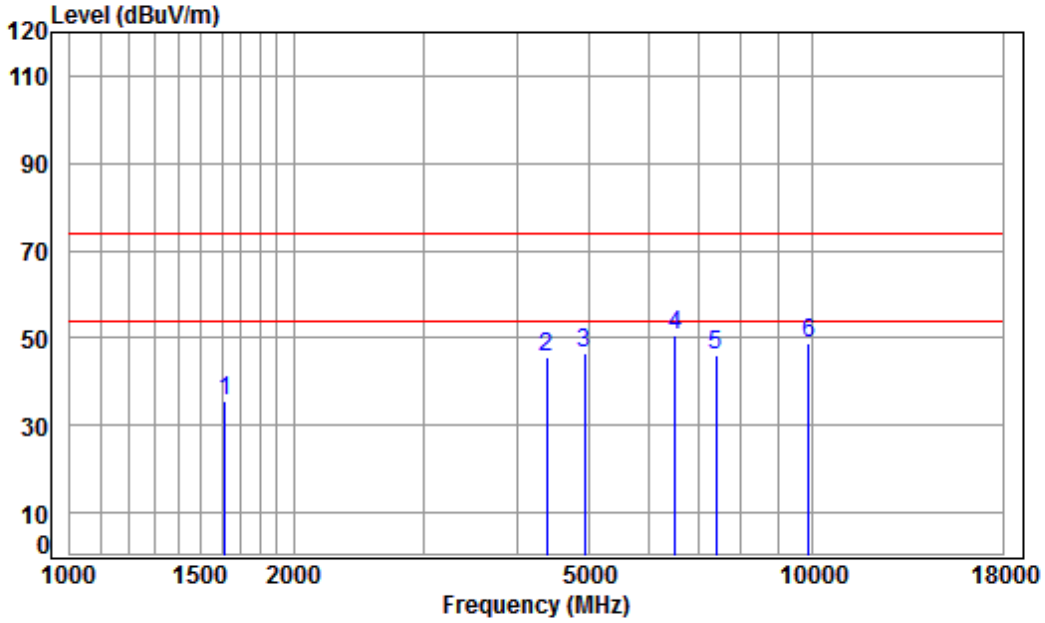
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2459.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2459.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1634.543	5.31	26.40	41.49	45.68	35.90	74.00	-38.10	peak
2	4430.628	7.48	33.48	42.41	47.01	45.56	74.00	-28.44	peak
3	4919.000	8.01	34.11	42.49	46.08	45.71	74.00	-28.29	peak
4 pp	6659.763	11.08	35.70	41.10	43.95	49.63	74.00	-24.37	peak
5	7378.500	10.03	36.21	40.60	41.46	47.10	74.00	-26.90	peak
6	9838.000	10.86	37.80	37.42	37.61	48.85	74.00	-25.15	peak

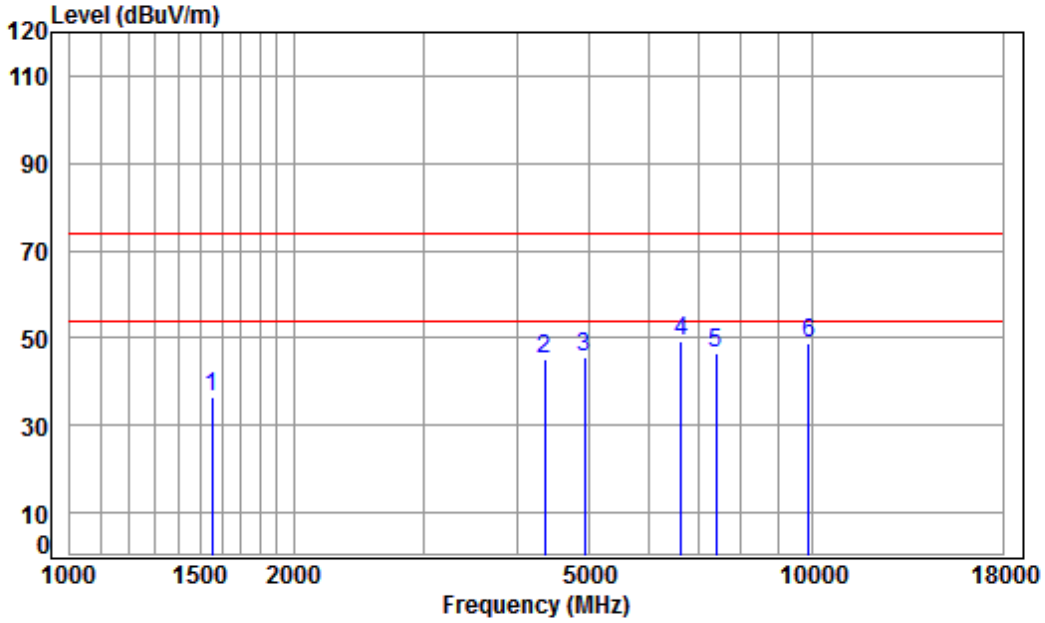
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2467.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2467.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1615.754	5.33	26.32	41.48	45.49	35.66	74.00	-38.34	peak
2	4379.699	7.43	33.39	42.40	47.01	45.43	74.00	-28.57	peak
3	4935.000	8.02	34.13	42.49	46.73	46.39	74.00	-27.61	peak
4 pp	6526.373	11.46	35.62	41.20	44.92	50.80	74.00	-23.20	peak
5	7402.500	10.02	36.22	40.58	40.45	46.11	74.00	-27.89	peak
6	9870.000	10.88	37.82	37.38	37.40	48.72	74.00	-25.28	peak

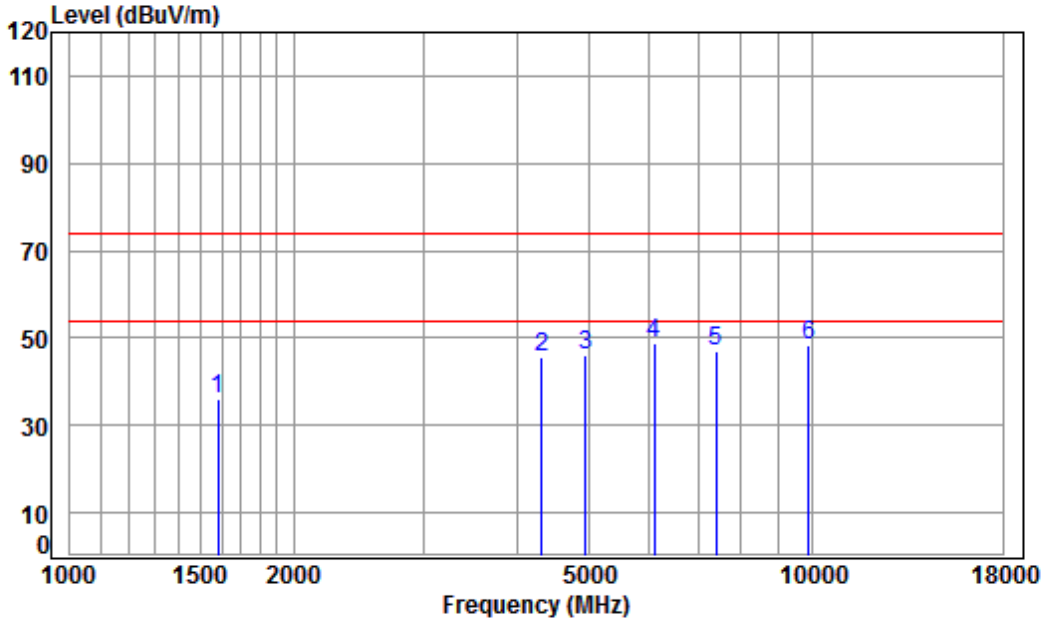
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2467.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2467.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1551.677	5.41	26.04	41.44	46.70	36.71	74.00	-37.29	peak
2	4354.454	7.40	33.35	42.39	46.72	45.08	74.00	-28.92	peak
3	4935.000	8.02	34.13	42.49	46.09	45.75	74.00	-28.25	peak
4 pp	6640.542	11.13	35.69	41.11	43.42	49.13	74.00	-24.87	peak
5	7402.500	10.02	36.22	40.58	40.76	46.42	74.00	-27.58	peak
6	9870.000	10.88	37.82	37.38	37.71	49.03	74.00	-24.97	peak

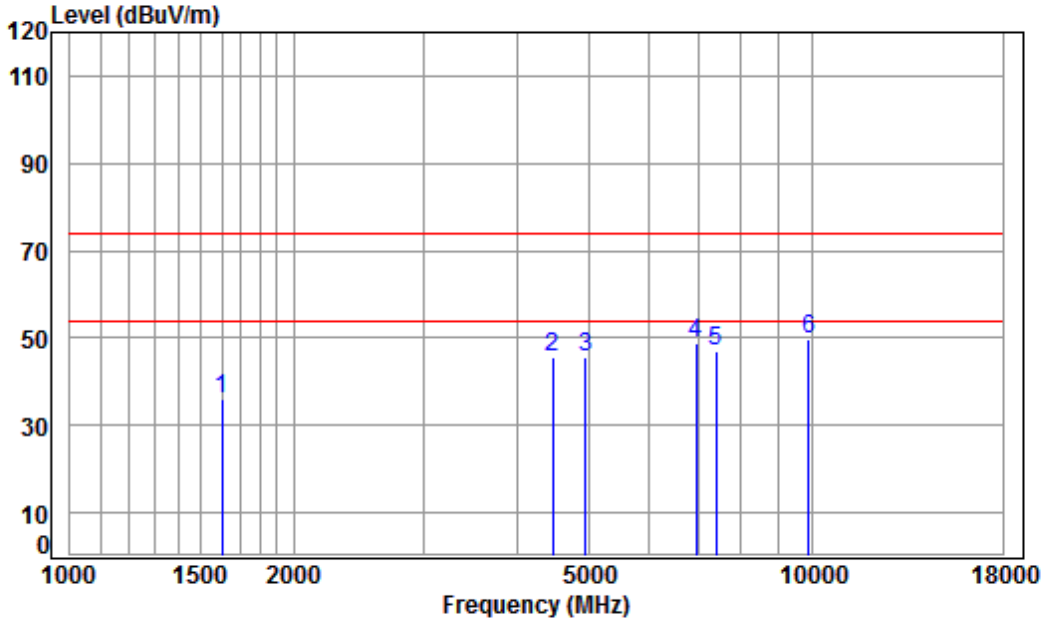
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2469.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2469.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1583.392	5.37	26.18	41.46	45.75	35.84	74.00	-38.16	peak
2	4316.859	7.36	33.28	42.38	47.16	45.42	74.00	-28.58	peak
3	4939.000	8.03	34.13	42.49	46.39	46.06	74.00	-27.94	peak
4 pp	6106.616	10.78	35.21	41.52	44.24	48.71	74.00	-25.29	peak
5	7408.500	10.02	36.23	40.58	41.28	46.95	74.00	-27.05	peak
6	9878.000	10.88	37.83	37.37	36.85	48.19	74.00	-25.81	peak

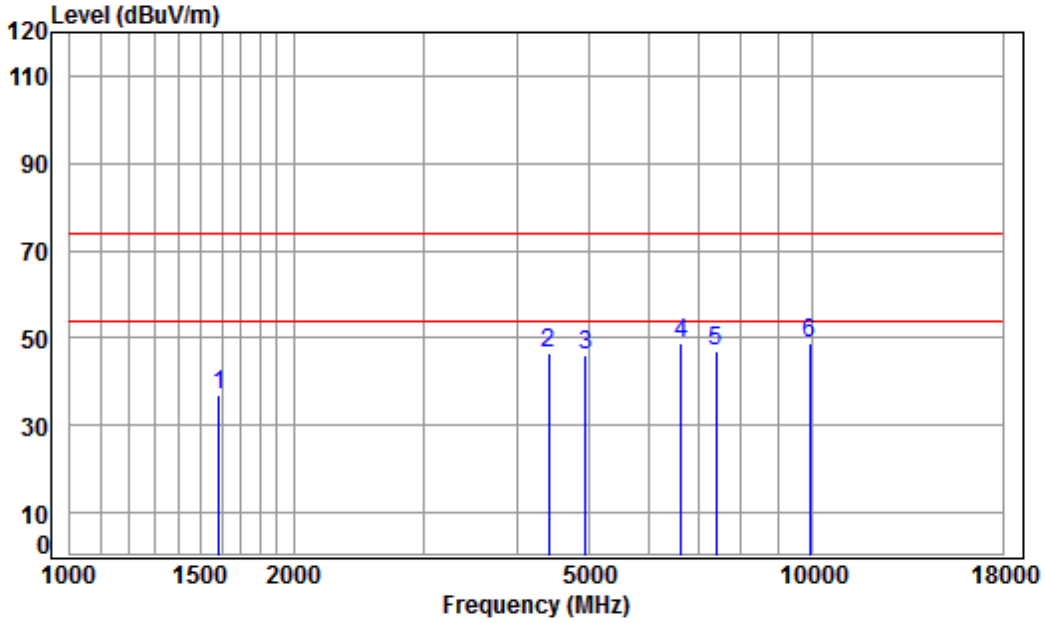
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2469.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2469.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1601.804	5.35	26.26	41.47	46.03	36.17	74.00	-37.83	peak
2	4469.214	7.53	33.55	42.41	46.99	45.66	74.00	-28.34	peak
3	4939.000	8.03	34.13	42.49	45.73	45.40	74.00	-28.60	peak
4	6954.852	10.25	35.87	40.89	43.76	48.99	74.00	-25.01	peak
5	7408.500	10.02	36.23	40.58	41.48	47.15	74.00	-26.85	peak
6 pp	9878.000	10.88	37.83	37.37	38.20	49.54	74.00	-24.46	peak

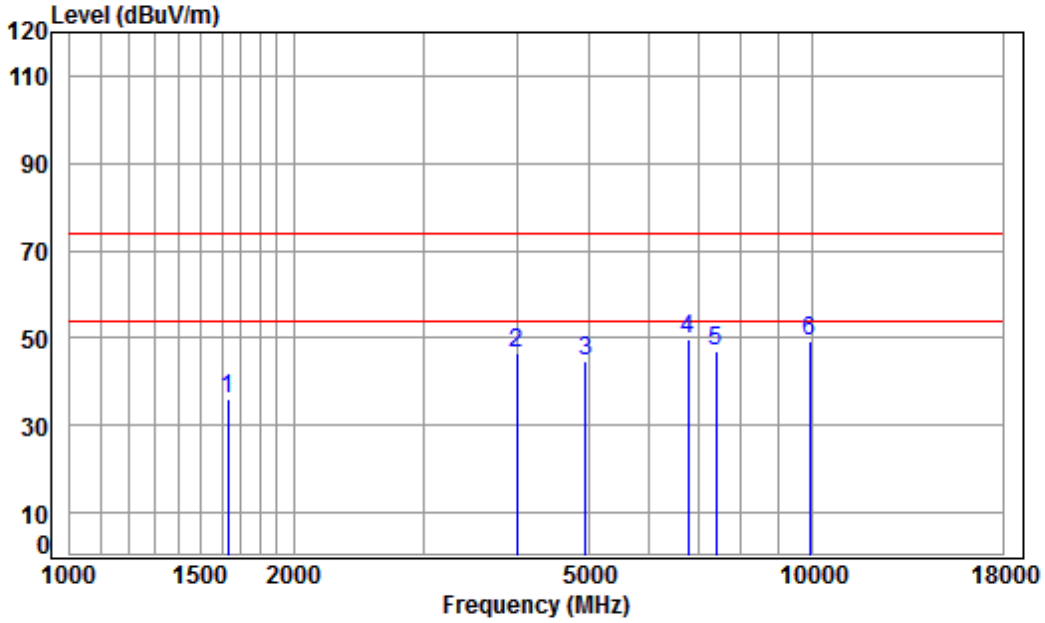
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2471.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2471.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1587.975	5.37	26.20	41.46	46.85	36.96	74.00	-37.04	peak
2	4405.090	7.46	33.44	42.40	48.17	46.67	74.00	-27.33	peak
3	4943.000	8.03	34.13	42.49	46.29	45.96	74.00	-28.04	peak
4 pp	6640.542	11.13	35.69	41.11	43.03	48.74	74.00	-25.26	peak
5	7414.500	10.02	36.23	40.57	41.45	47.13	74.00	-26.87	peak
6	9886.000	10.88	37.83	37.35	37.37	48.73	74.00	-25.27	peak

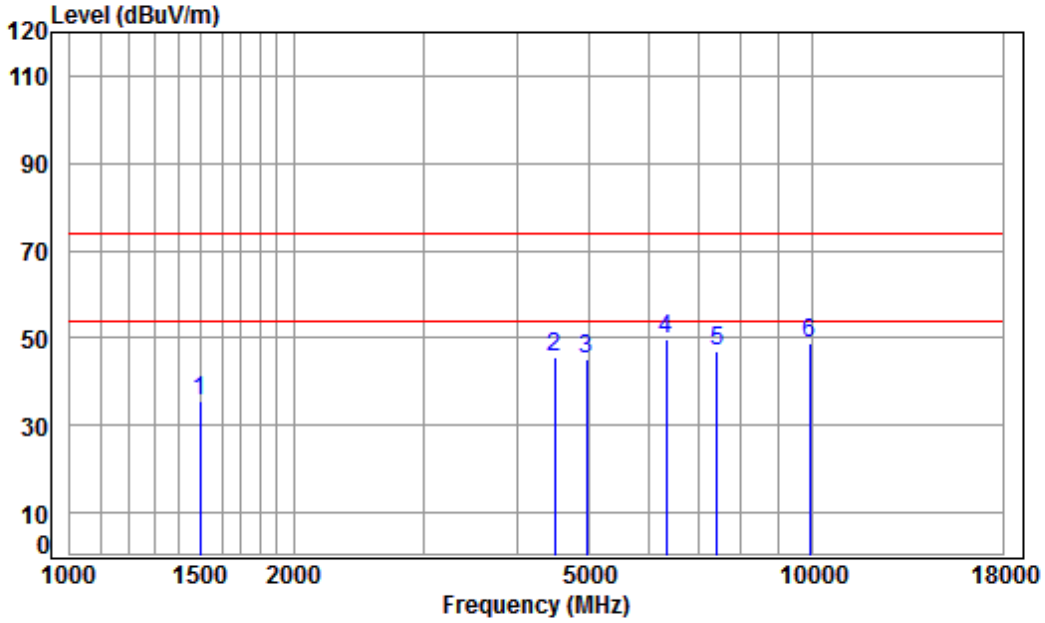
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2471.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2471.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1634.543	5.31	26.40	41.49	45.67	35.89	74.00	-38.11	peak
2	3992.781	6.97	32.69	42.32	49.31	46.65	74.00	-27.35	peak
3	4943.000	8.03	34.13	42.49	45.18	44.85	74.00	-29.15	peak
4 pp	6795.879	10.69	35.78	41.00	44.16	49.63	74.00	-24.37	peak
5	7414.500	10.02	36.23	40.57	41.16	46.84	74.00	-27.16	peak
6	9886.000	10.88	37.83	37.35	38.13	49.49	74.00	-24.51	peak

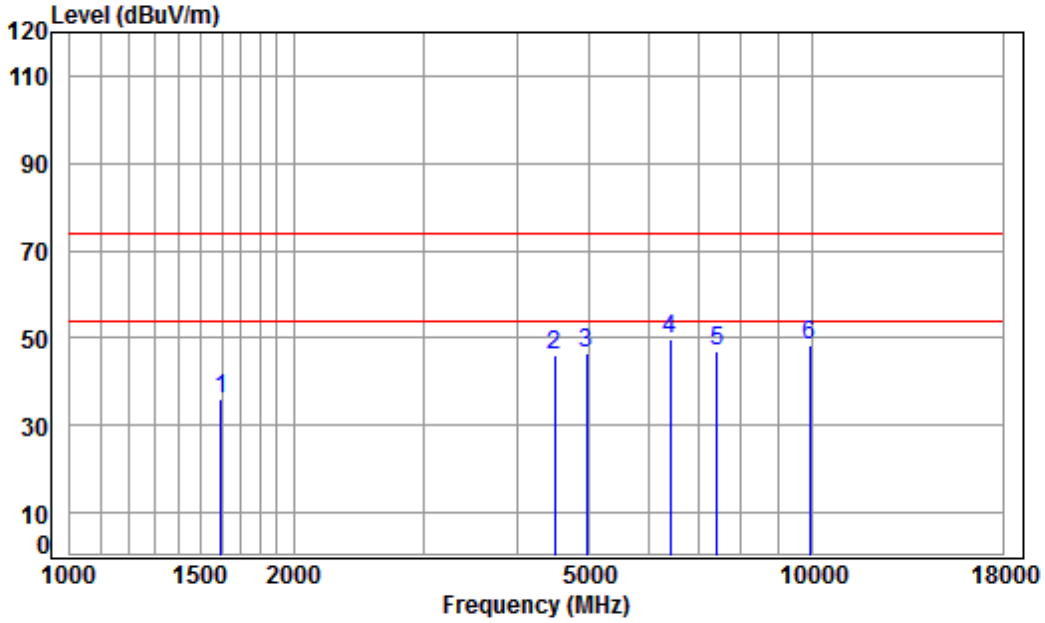
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2476.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2476.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1498.781	5.48	25.80	41.41	45.51	35.38	74.00	-38.62	peak
2	4495.125	7.55	33.59	42.42	46.70	45.42	74.00	-28.58	peak
3	4953.000	8.04	34.15	42.49	45.65	45.35	74.00	-28.65	peak
4 pp	6340.436	11.24	35.44	41.34	44.21	49.55	74.00	-24.45	peak
5	7429.500	10.02	36.25	40.56	41.20	46.91	74.00	-27.09	peak
6	9906.000	10.89	37.84	37.33	37.63	49.03	74.00	-24.97	peak

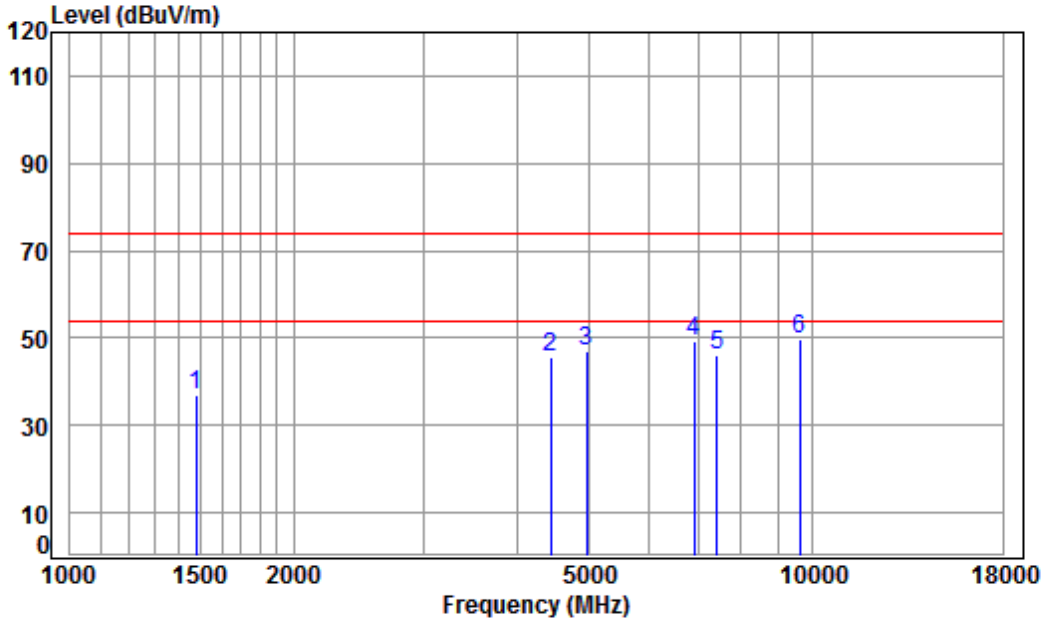
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2476.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2476.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1597.181	5.35	26.24	41.47	46.14	36.26	74.00	-37.74	peak
2	4495.125	7.55	33.59	42.42	47.37	46.09	74.00	-27.91	peak
3	4953.000	8.04	34.15	42.49	46.96	46.66	74.00	-27.34	peak
4 pp	6432.732	11.41	35.54	41.27	44.01	49.69	74.00	-24.31	peak
5	7429.500	10.02	36.25	40.56	41.40	47.11	74.00	-26.89	peak
6	9906.000	10.89	37.84	37.33	37.12	48.52	74.00	-25.48	peak

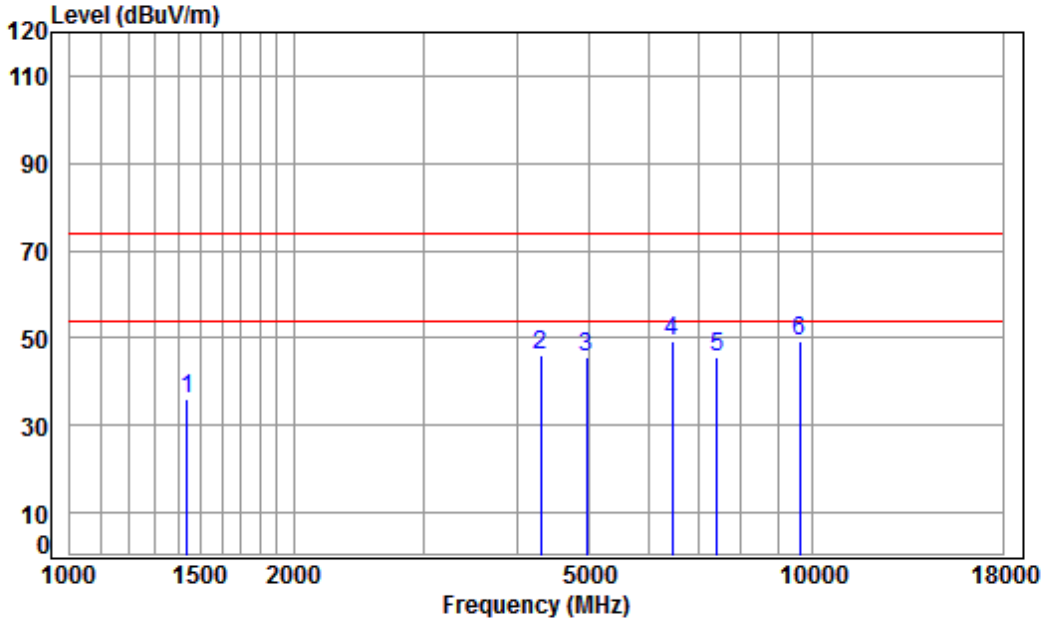
Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2477.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2477.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1477.276	5.41	25.72	41.39	47.05	36.79	74.00	-37.21	peak
2	4430.628	7.48	33.48	42.41	46.89	45.44	74.00	-28.56	peak
3	4955.000	8.04	34.15	42.49	47.20	46.90	74.00	-27.10	peak
4	6914.763	10.36	35.85	40.91	43.90	49.20	74.00	-24.80	peak
5	7432.500	10.02	36.25	40.56	40.31	46.02	74.00	-27.98	peak
6 pp	9610.000	10.75	37.67	37.73	38.95	49.64	74.00	-24.36	peak

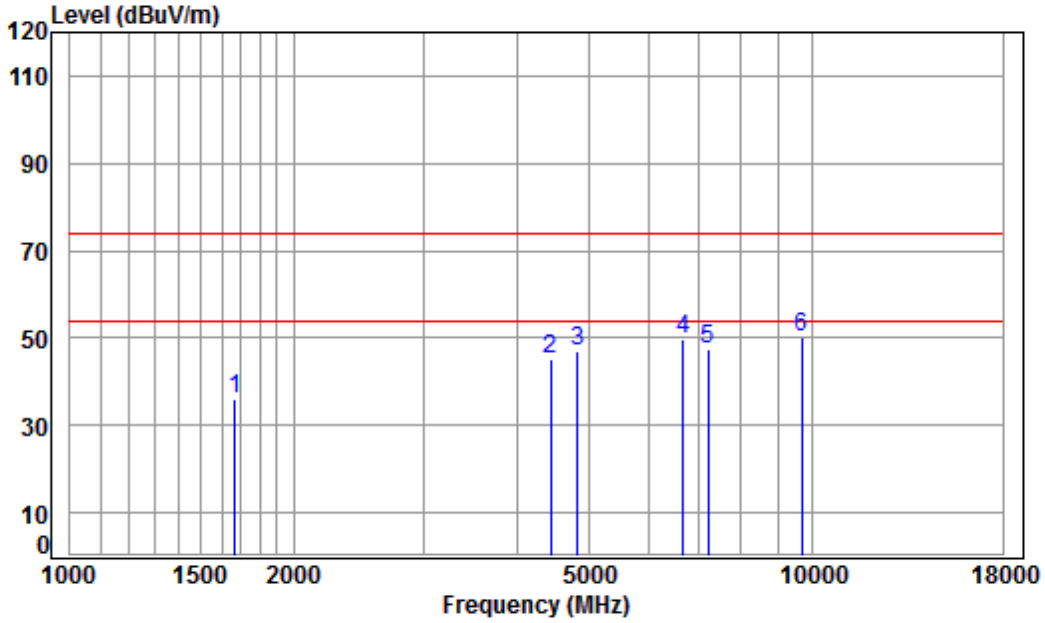
Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2477.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2477.5 TX RSE
Note : 10M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1439.343	5.28	25.58	41.36	46.40	35.90	74.00	-38.10	peak
2	4304.400	7.34	33.26	42.38	47.81	46.03	74.00	-27.97	peak
3	4955.000	8.04	34.15	42.49	46.11	45.81	74.00	-28.19	peak
4 pp	6470.026	11.48	35.57	41.24	43.68	49.49	74.00	-24.51	peak
5	7432.500	10.02	36.25	40.56	39.70	45.41	74.00	-28.59	peak
6	9610.000	10.75	37.67	37.73	38.44	49.13	74.00	-24.87	peak

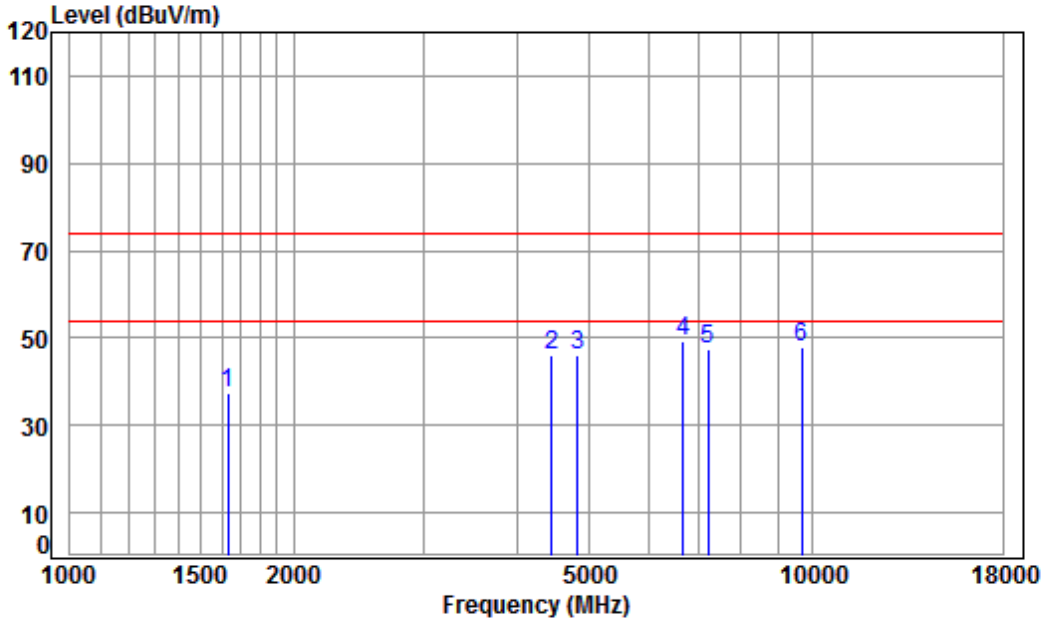
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2410.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2410.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1667.951	5.27	26.54	41.51	45.84	36.14	74.00	-37.86	peak
2	4430.628	7.48	33.48	42.41	46.77	45.32	74.00	-28.68	peak
3	4821.000	7.91	33.99	42.47	47.45	46.88	74.00	-27.12	peak
4	6698.373	10.97	35.72	41.07	44.16	49.78	74.00	-24.22	peak
5	7231.500	10.07	36.09	40.69	41.80	47.27	74.00	-26.73	peak
6 pp	9642.000	10.76	37.69	37.69	39.44	50.20	74.00	-23.80	peak

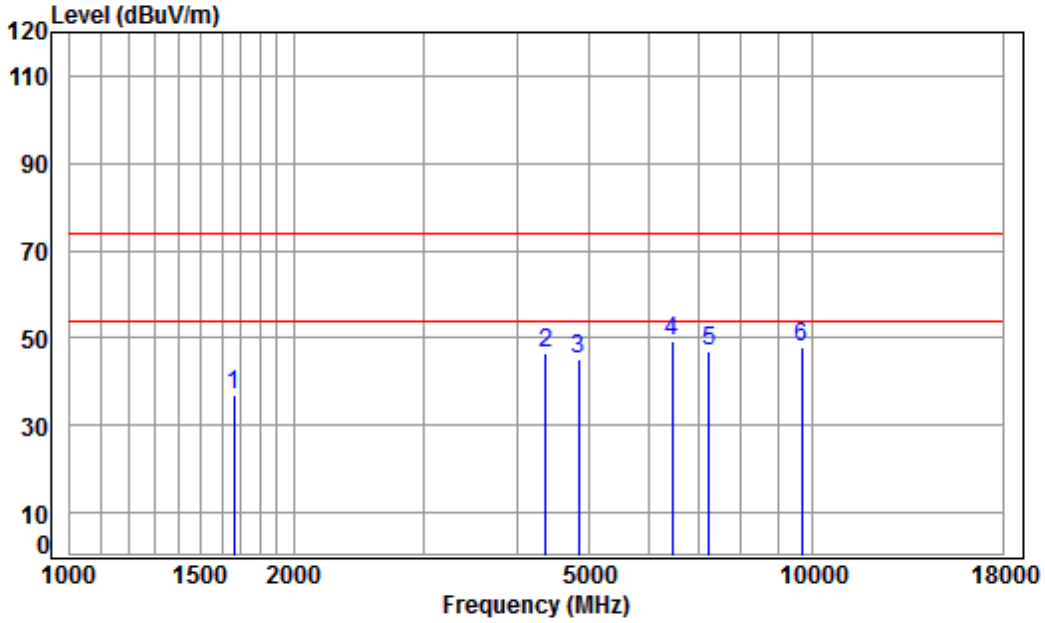
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2410.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2410.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1634.543	5.31	26.40	41.49	47.38	37.60	74.00	-36.40	peak
2	4456.315	7.51	33.53	42.41	47.27	45.90	74.00	-28.10	peak
3	4821.000	7.91	33.99	42.47	46.77	46.20	74.00	-27.80	peak
4 pp	6679.040	11.02	35.71	41.08	43.59	49.24	74.00	-24.76	peak
5	7231.500	10.07	36.09	40.69	41.77	47.24	74.00	-26.76	peak
6	9642.000	10.76	37.69	37.69	37.17	47.93	74.00	-26.07	peak

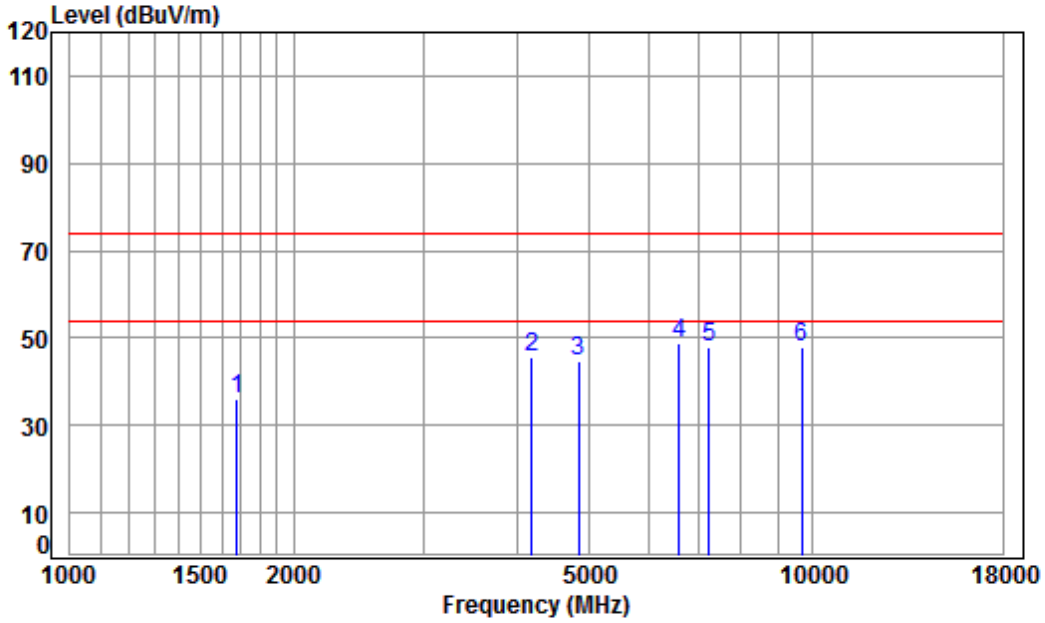
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2415.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2415.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1663.137	5.27	26.52	41.51	46.84	37.12	74.00	-36.88	peak
2	4367.058	7.41	33.37	42.39	48.06	46.45	74.00	-27.55	peak
3	4831.000	7.92	34.00	42.47	45.54	44.99	74.00	-29.01	peak
4 pp	6470.026	11.48	35.57	41.24	43.43	49.24	74.00	-24.76	peak
5	7246.500	10.06	36.10	40.68	41.30	46.78	74.00	-27.22	peak
6	9662.000	10.77	37.70	37.66	37.10	47.91	74.00	-26.09	peak

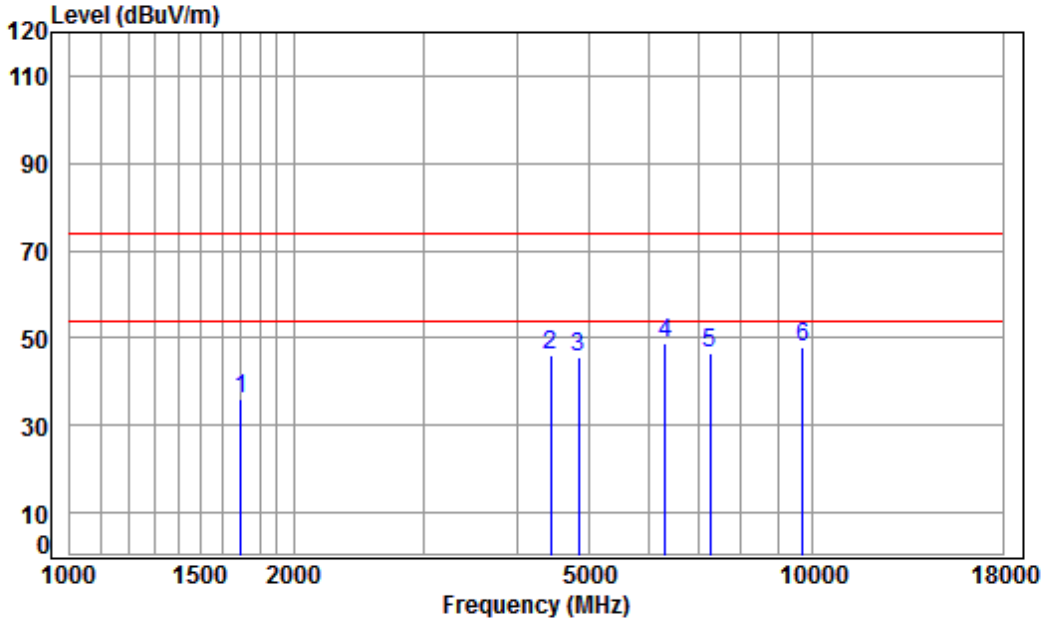
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2415.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2415.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1677.621	5.25	26.58	41.52	45.56	35.87	74.00	-38.13	peak
2	4181.768	7.20	33.04	42.36	47.75	45.63	74.00	-28.37	peak
3	4831.000	7.92	34.00	42.47	45.40	44.85	74.00	-29.15	peak
4 pp	6602.265	11.24	35.66	41.14	43.14	48.90	74.00	-25.10	peak
5	7246.500	10.06	36.10	40.68	42.23	47.71	74.00	-26.29	peak
6	9662.000	10.77	37.70	37.66	36.94	47.75	74.00	-26.25	peak

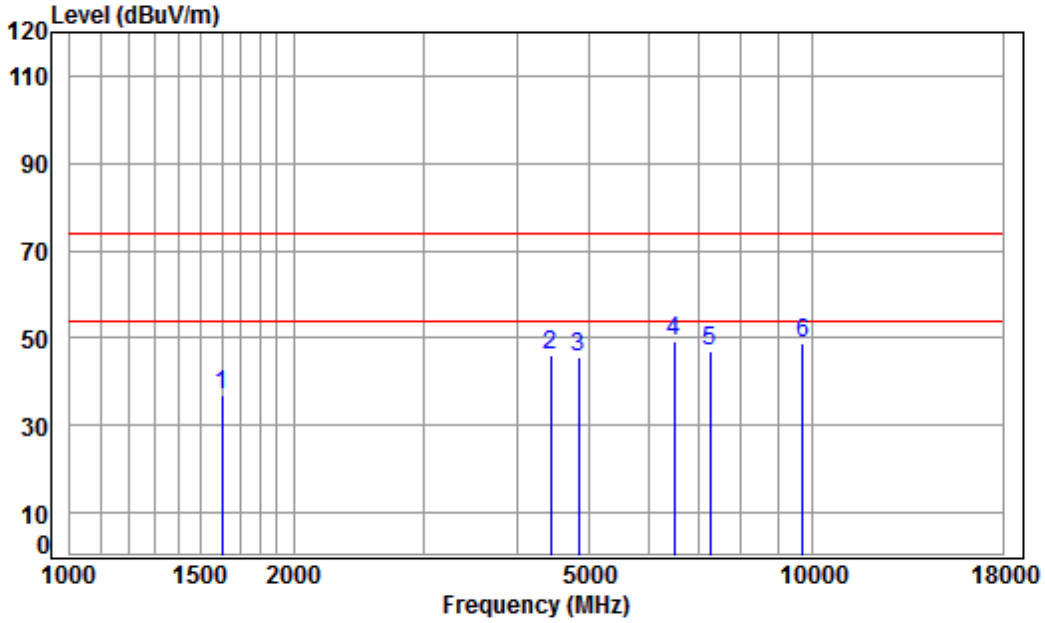
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2420.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2420.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	5.23	26.66	41.53	45.72	36.08	74.00	-37.92	peak
2	4430.628	7.48	33.48	42.41	47.43	45.98	74.00	-28.02	peak
3	4841.000	7.93	34.02	42.47	46.20	45.68	74.00	-28.32	peak
4 pp	6322.136	11.20	35.43	41.35	43.73	49.01	74.00	-24.99	peak
5	7261.500	10.06	36.11	40.67	41.04	46.54	74.00	-27.46	peak
6	9682.000	10.78	37.71	37.63	37.21	48.07	74.00	-25.93	peak

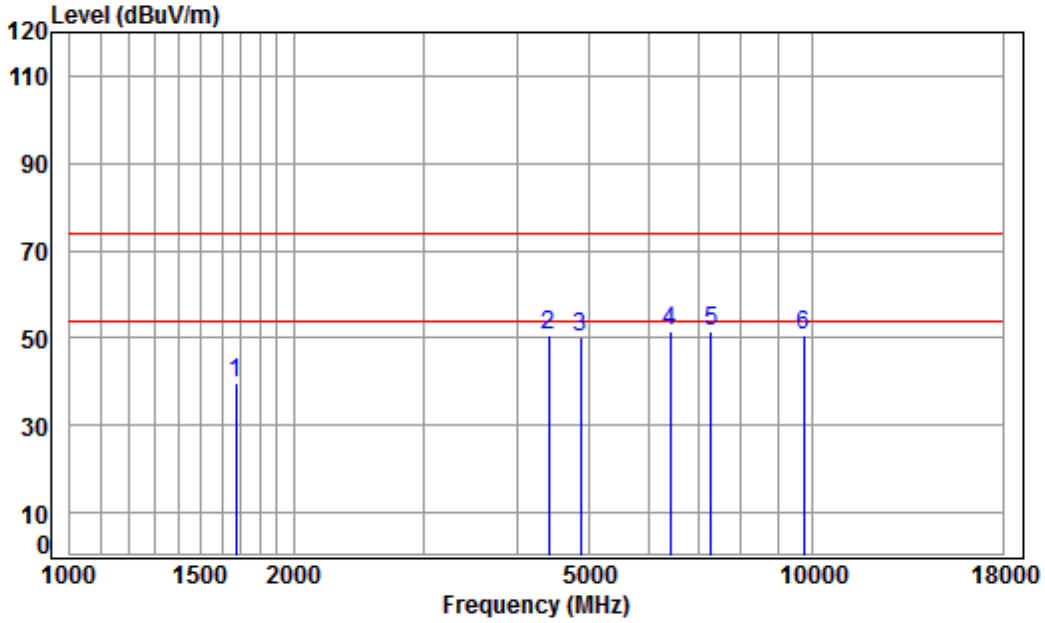
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2420.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2420.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1601.804	5.35	26.26	41.47	47.00	37.14	74.00	-36.86	peak
2	4443.453	7.50	33.50	42.41	47.47	46.06	74.00	-27.94	peak
3	4841.000	7.93	34.02	42.47	46.37	45.85	74.00	-28.15	peak
4 pp	6507.536	11.52	35.60	41.21	43.21	49.12	74.00	-24.88	peak
5	7261.500	10.06	36.11	40.67	41.46	46.96	74.00	-27.04	peak
6	9682.000	10.78	37.71	37.63	37.82	48.68	74.00	-25.32	peak

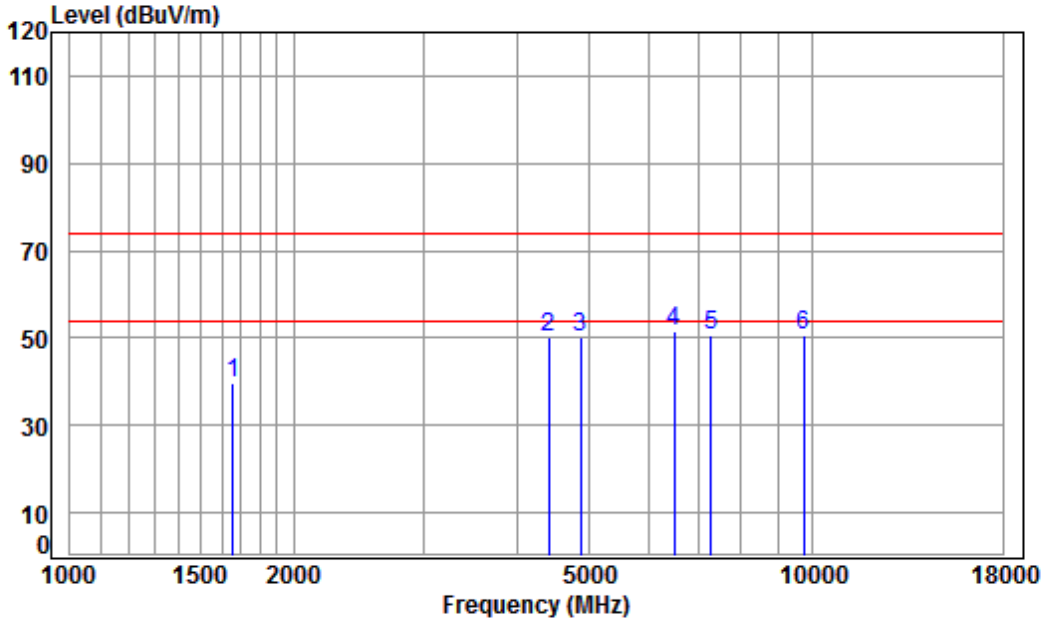
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2430.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2430.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1672.779	5.26	26.56	38.03	45.85	39.64	74.00	-34.36	peak
2	4405.090	7.46	33.60	38.22	47.60	50.44	74.00	-23.56	peak
3	4861.000	7.95	34.26	38.44	46.24	50.01	74.00	-23.99	peak
4	6432.732	11.41	35.05	37.85	43.08	51.69	74.00	-22.31	peak
5 pp	7291.500	10.05	36.38	37.03	42.35	51.75	74.00	-22.25	peak
6	9722.000	10.80	37.55	35.03	37.26	50.58	74.00	-23.42	peak

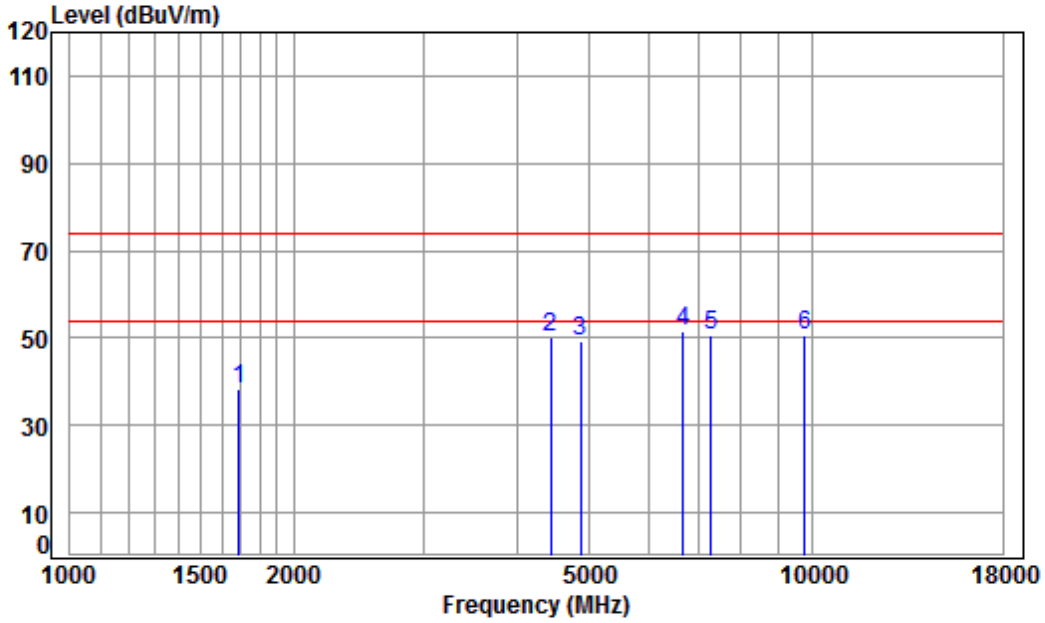
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2430.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2430.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1658.337	5.28	26.50	38.03	45.86	39.61	74.00	-34.39	peak
2	4405.090	7.46	33.60	38.22	47.27	50.11	74.00	-23.89	peak
3	4861.000	7.95	34.26	38.44	46.38	50.15	74.00	-23.85	peak
4 pp	6507.536	11.52	35.12	37.77	42.63	51.50	74.00	-22.50	peak
5	7291.500	10.05	36.38	37.03	41.12	50.52	74.00	-23.48	peak
6	9722.000	10.80	37.55	35.03	37.16	50.48	74.00	-23.52	peak

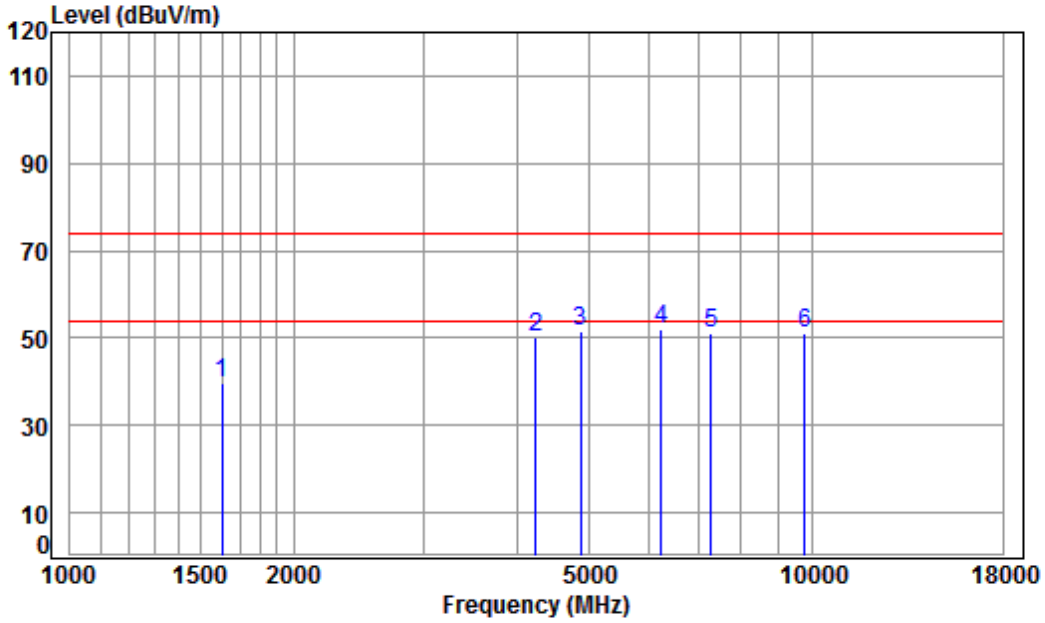
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2434.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2434.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1687.347	5.24	26.62	38.02	44.68	38.52	74.00	-35.48	peak
2	4430.628	7.48	33.60	38.23	47.30	50.15	74.00	-23.85	peak
3	4869.000	7.96	34.27	38.44	45.48	49.27	74.00	-24.73	peak
4 pp	6679.040	11.02	35.61	37.60	42.62	51.65	74.00	-22.35	peak
5	7303.500	10.05	36.38	37.01	41.07	50.49	74.00	-23.51	peak
6	9738.000	10.81	37.55	35.03	37.51	50.84	74.00	-23.16	peak

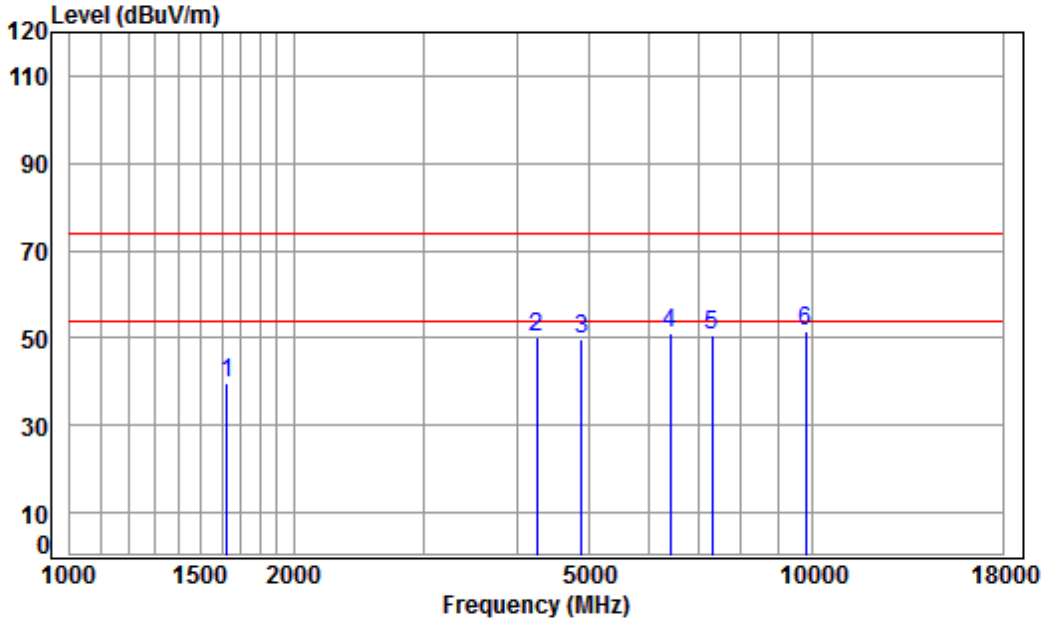
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2434.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2434.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1601.804	5.35	26.26	38.03	46.15	39.73	74.00	-34.27	peak
2	4230.396	7.26	33.60	38.13	47.49	50.22	74.00	-23.78	peak
3	4869.000	7.96	34.27	38.44	47.54	51.33	74.00	-22.67	peak
4 pp	6249.464	11.06	34.90	38.04	44.07	51.99	74.00	-22.01	peak
5	7303.500	10.05	36.38	37.01	41.85	51.27	74.00	-22.73	peak
6	9738.000	10.81	37.55	35.03	37.83	51.16	74.00	-22.84	peak

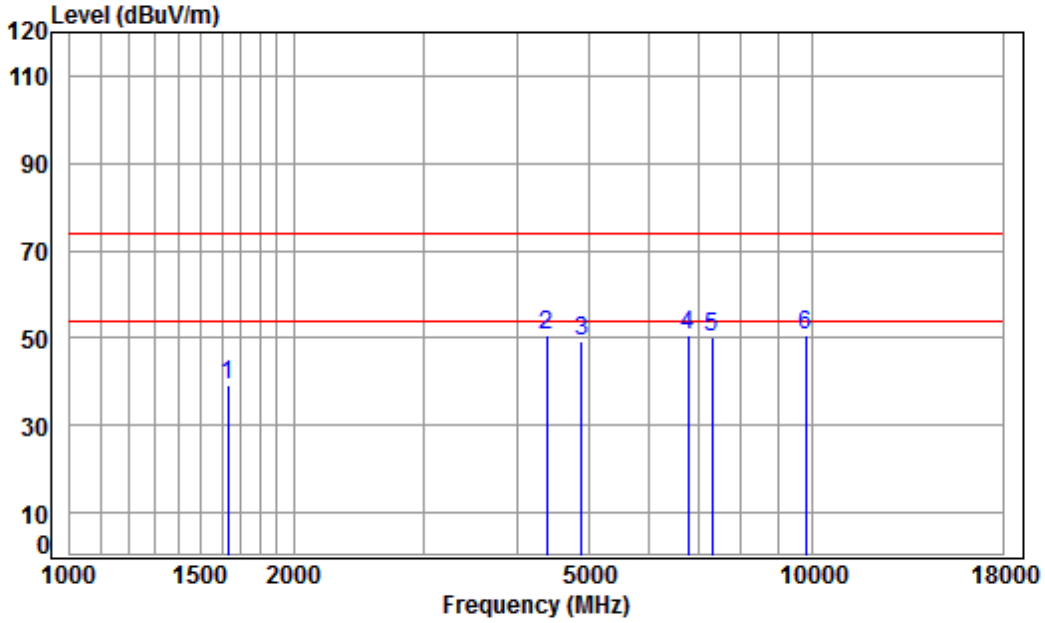
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2441.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2441.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1625.121	5.32	26.36	38.03	46.09	39.74	74.00	-34.26	peak
2	4242.641	7.27	33.60	38.13	47.61	50.35	74.00	-23.65	peak
3	4883.000	7.97	34.30	38.45	45.76	49.58	74.00	-24.42	peak
4	6432.732	11.41	35.05	37.85	42.53	51.14	74.00	-22.86	peak
5	7324.500	10.04	36.37	36.99	41.18	50.60	74.00	-23.40	peak
6 pp	9766.000	10.82	37.55	35.01	38.16	51.52	74.00	-22.48	peak

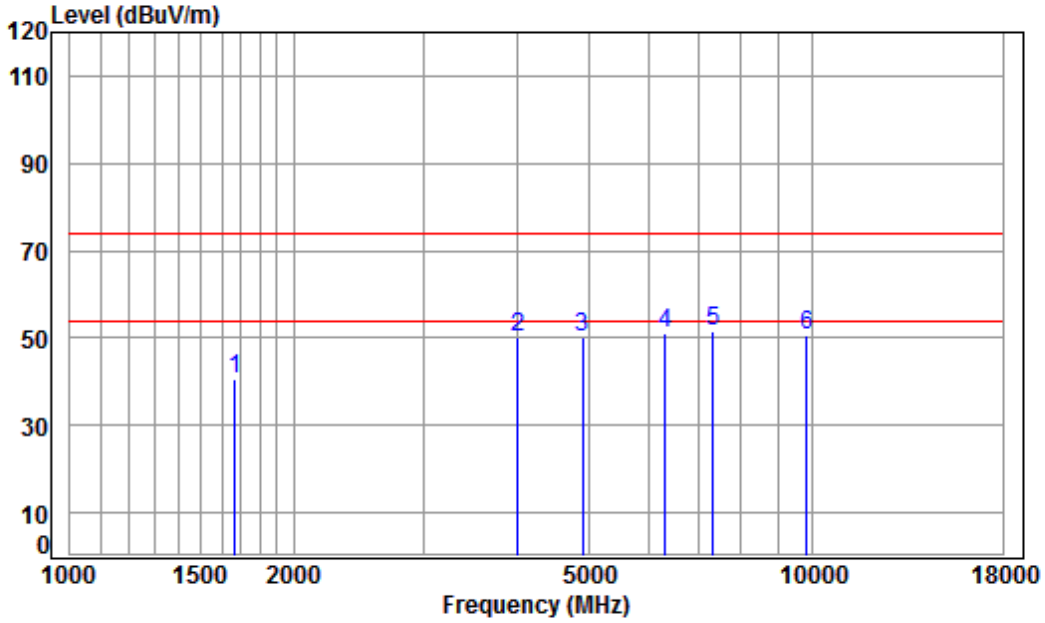
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2441.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2441.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1629.825	5.31	26.38	38.03	45.72	39.38	74.00	-34.62	peak
2	4379.699	7.43	33.60	38.20	47.82	50.65	74.00	-23.35	peak
3	4883.000	7.97	34.30	38.45	45.59	49.41	74.00	-24.59	peak
4 pp	6795.879	10.69	35.94	37.49	41.67	50.81	74.00	-23.19	peak
5	7324.500	10.04	36.37	36.99	40.90	50.32	74.00	-23.68	peak
6	9766.000	10.82	37.55	35.01	37.09	50.45	74.00	-23.55	peak

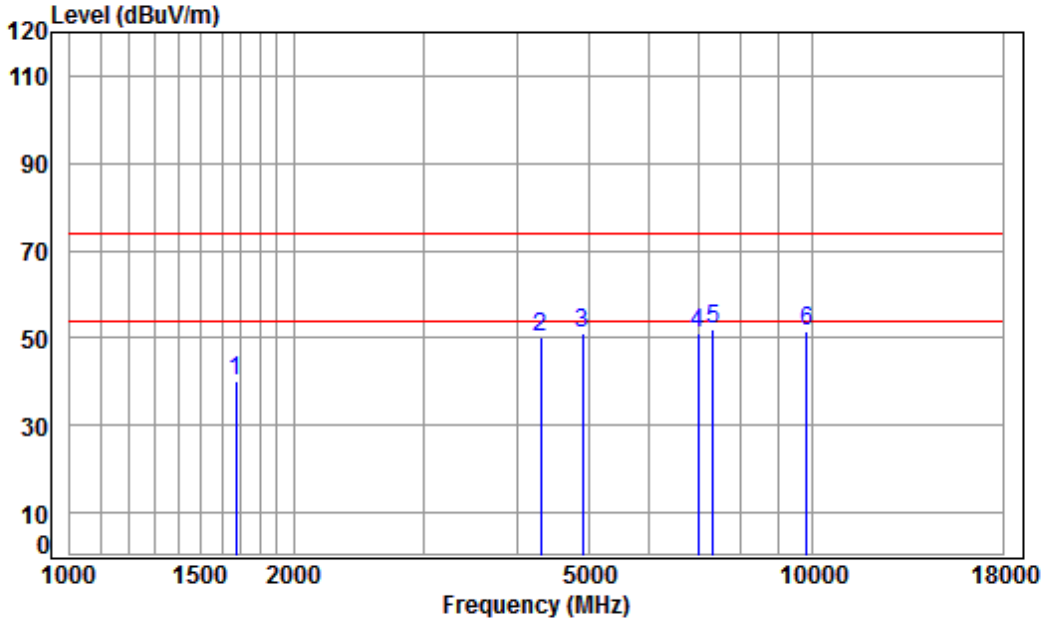
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2448.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2448.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1667.951	5.27	26.54	38.03	46.69	40.47	74.00	-33.53	peak
2	4004.339	6.99	33.60	38.00	47.41	50.00	74.00	-24.00	peak
3	4897.000	7.99	34.32	38.45	46.48	50.34	74.00	-23.66	peak
4	6322.136	11.20	34.96	37.96	42.81	51.01	74.00	-22.99	peak
5 pp	7345.500	10.04	36.36	36.98	41.94	51.36	74.00	-22.64	peak
6	9794.000	10.84	37.56	35.00	37.11	50.51	74.00	-23.49	peak

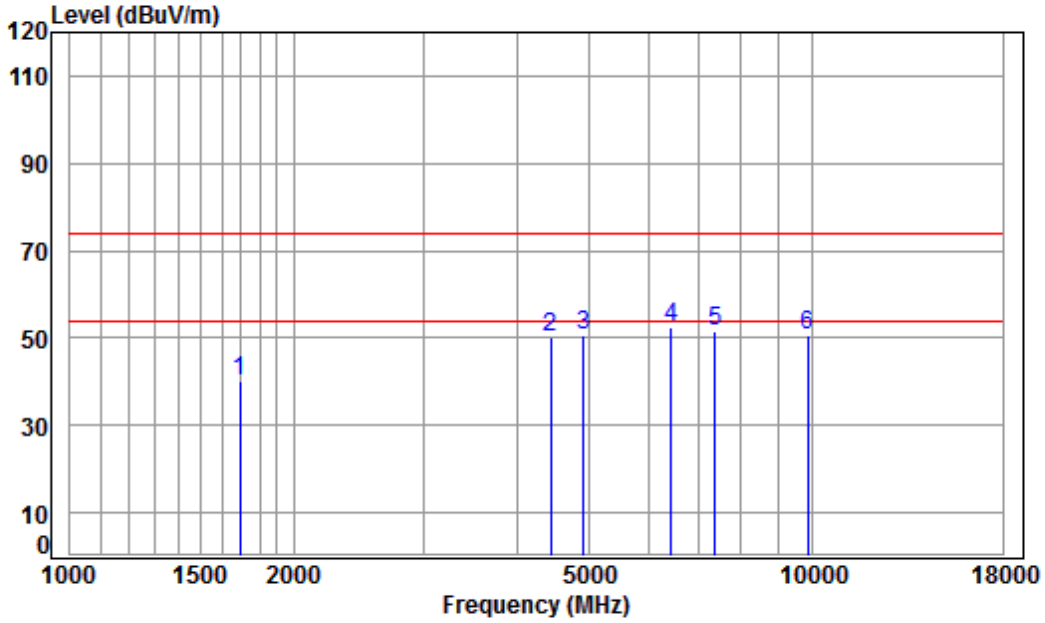
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2448.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2448.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1672.779	5.26	26.56	38.03	46.36	40.15	74.00	-33.85	peak
2	4304.400	7.34	33.60	38.16	47.57	50.35	74.00	-23.65	peak
3	4897.000	7.99	34.32	38.45	47.33	51.19	74.00	-22.81	peak
4	6995.172	10.14	36.49	37.30	41.75	51.08	74.00	-22.92	peak
5 pp	7345.500	10.04	36.36	36.98	42.66	52.08	74.00	-21.92	peak
6	9794.000	10.84	37.56	35.00	37.95	51.35	74.00	-22.65	peak

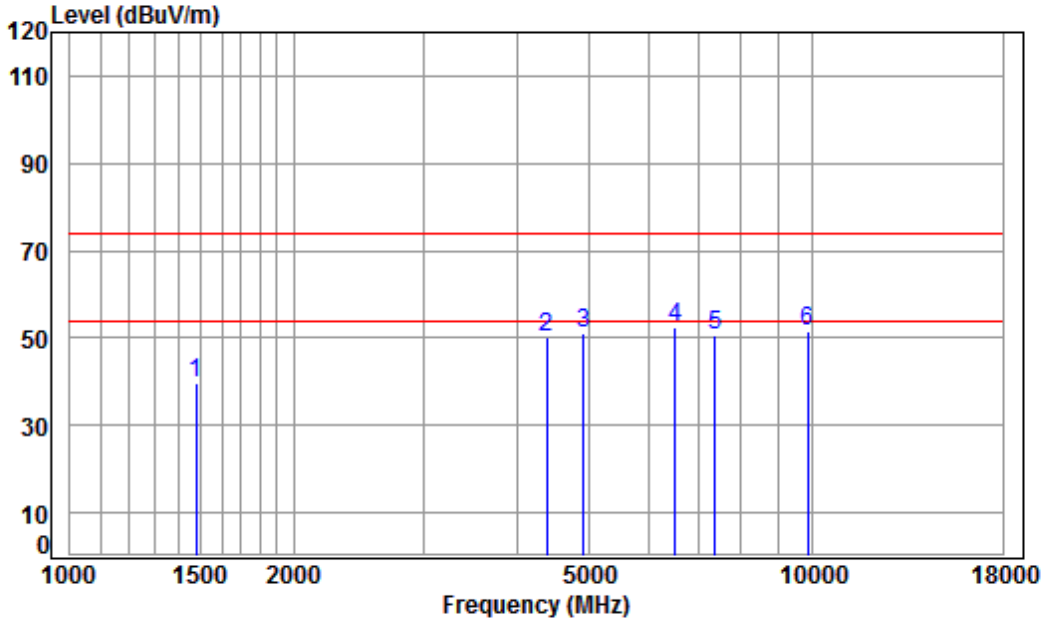
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2458.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2458.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1692.231	5.24	26.64	38.02	46.28	40.14	74.00	-33.86	peak
2	4430.628	7.48	33.60	38.23	47.35	50.20	74.00	-23.80	peak
3	4917.000	8.01	34.36	38.46	46.90	50.81	74.00	-23.19	peak
4 pp	6451.353	11.45	35.06	37.83	43.85	52.53	74.00	-21.47	peak
5	7375.500	10.03	36.35	36.95	41.98	51.41	74.00	-22.59	peak
6	9834.000	10.86	37.57	34.98	37.12	50.57	74.00	-23.43	peak

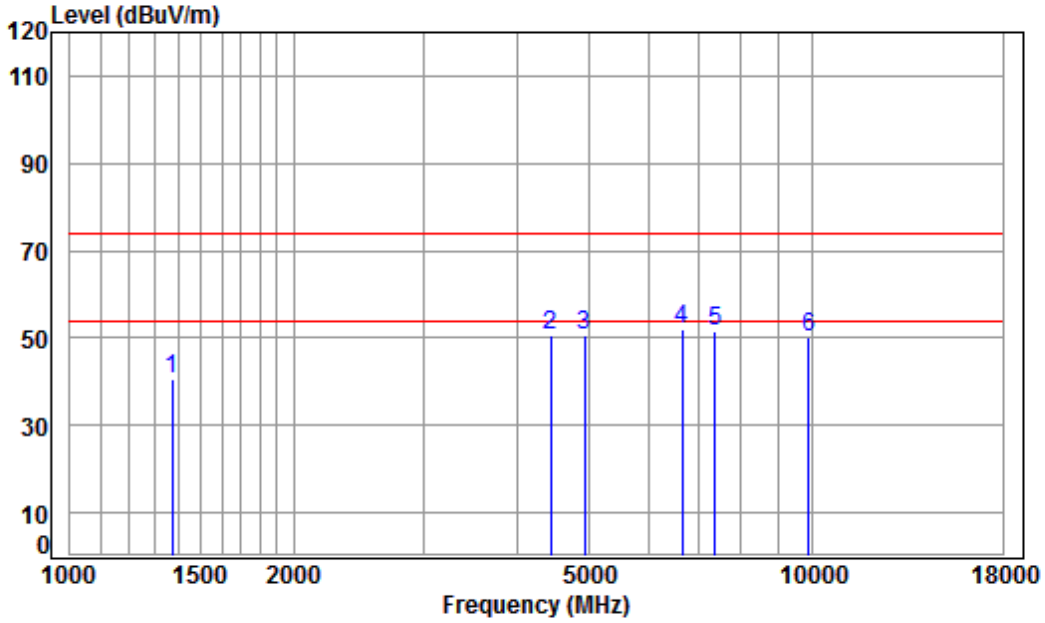
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2458.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2458.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1477.276	5.41	25.71	38.04	46.41	39.49	74.00	-34.51	peak
2	4379.699	7.43	33.60	38.20	47.54	50.37	74.00	-23.63	peak
3	4917.000	8.01	34.36	38.46	47.11	51.02	74.00	-22.98	peak
4 pp	6526.373	11.46	35.18	37.75	43.81	52.70	74.00	-21.30	peak
5	7375.500	10.03	36.35	36.95	41.38	50.81	74.00	-23.19	peak
6	9834.000	10.86	37.57	34.98	38.23	51.68	74.00	-22.32	peak

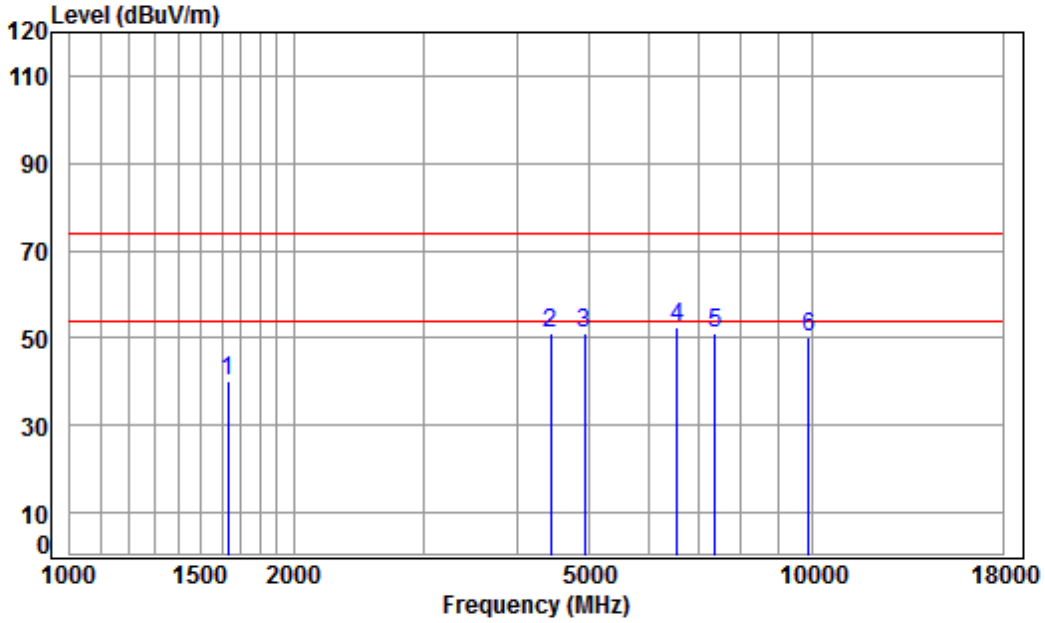
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2464.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2464.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1374.295	5.06	25.28	38.05	48.48	40.77	74.00	-33.23	peak
2	4430.628	7.48	33.60	38.23	47.85	50.70	74.00	-23.30	peak
3	4929.000	8.02	34.38	38.47	46.83	50.76	74.00	-23.24	peak
4 pp	6659.763	11.08	35.56	37.62	42.88	51.90	74.00	-22.10	peak
5	7393.500	10.03	36.34	36.93	42.03	51.47	74.00	-22.53	peak
6	9858.000	10.87	37.57	34.97	36.74	50.21	74.00	-23.79	peak

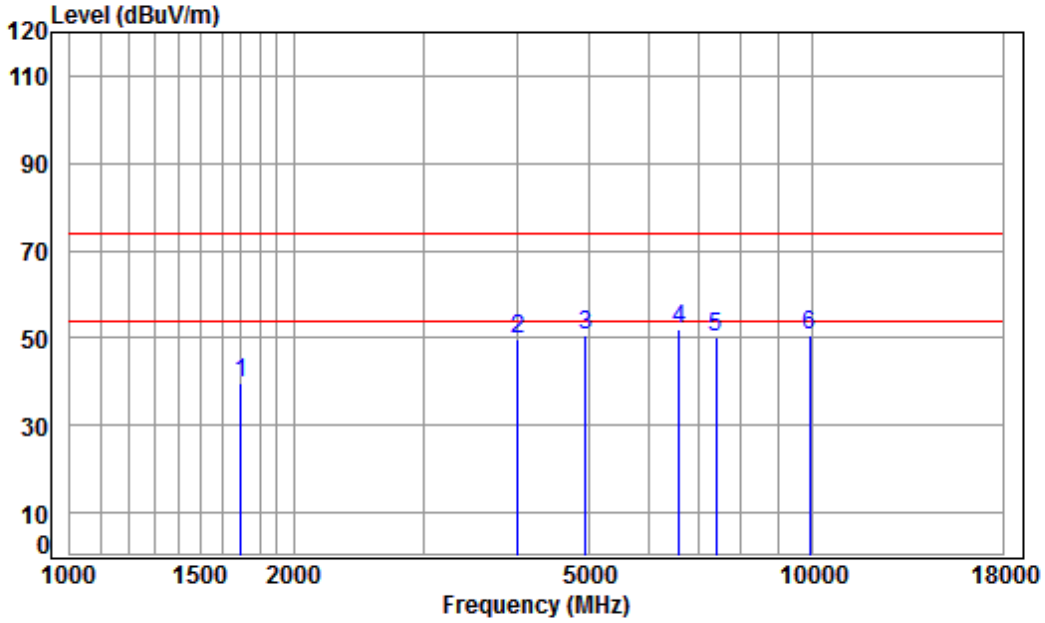
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2464.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2464.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1634.543	5.31	26.40	38.03	46.32	40.00	74.00	-34.00	peak
2	4430.628	7.48	33.60	38.23	48.20	51.05	74.00	-22.95	peak
3	4929.000	8.02	34.38	38.47	47.11	51.04	74.00	-22.96	peak
4 pp	6564.209	11.35	35.29	37.72	43.73	52.65	74.00	-21.35	peak
5	7393.500	10.03	36.34	36.93	41.60	51.04	74.00	-22.96	peak
6	9858.000	10.87	37.57	34.97	36.81	50.28	74.00	-23.72	peak

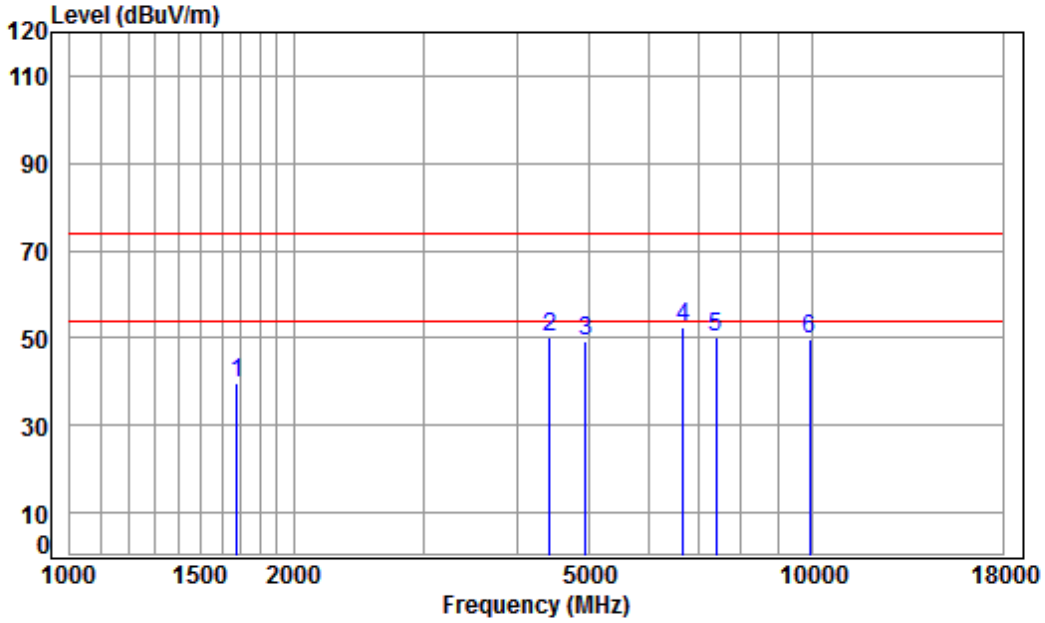
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2471.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2471.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	5.23	26.66	38.02	45.65	39.52	74.00	-34.48	peak
2	4004.339	6.99	33.60	38.00	47.28	49.87	74.00	-24.13	peak
3	4943.000	8.03	34.40	38.47	46.69	50.65	74.00	-23.35	peak
4 pp	6602.265	11.24	35.39	37.68	43.05	52.00	74.00	-22.00	peak
5	7414.500	10.02	36.33	36.91	40.70	50.14	74.00	-23.86	peak
6	9886.000	10.88	37.58	34.95	37.16	50.67	74.00	-23.33	peak

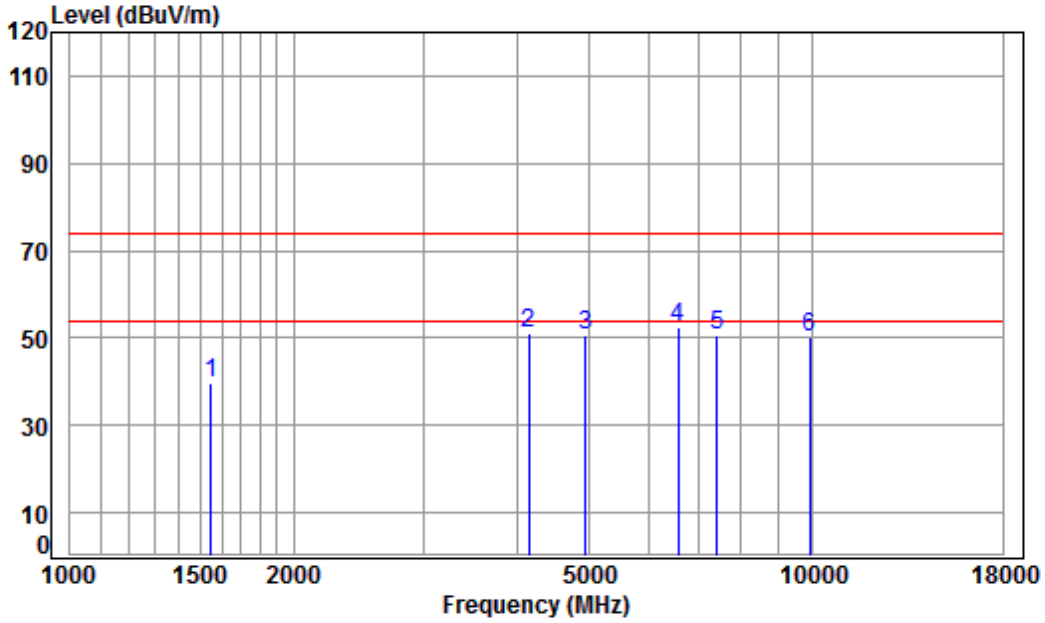
Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2471.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2471.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1677.621	5.25	26.58	38.03	46.12	39.92	74.00	-34.08	peak
2	4417.841	7.47	33.60	38.22	47.34	50.19	74.00	-23.81	peak
3	4943.000	8.03	34.40	38.47	45.52	49.48	74.00	-24.52	peak
4 pp	6679.040	11.02	35.61	37.60	43.30	52.33	74.00	-21.67	peak
5	7414.500	10.02	36.33	36.91	40.89	50.33	74.00	-23.67	peak
6	9886.000	10.88	37.58	34.95	36.33	49.84	74.00	-24.16	peak

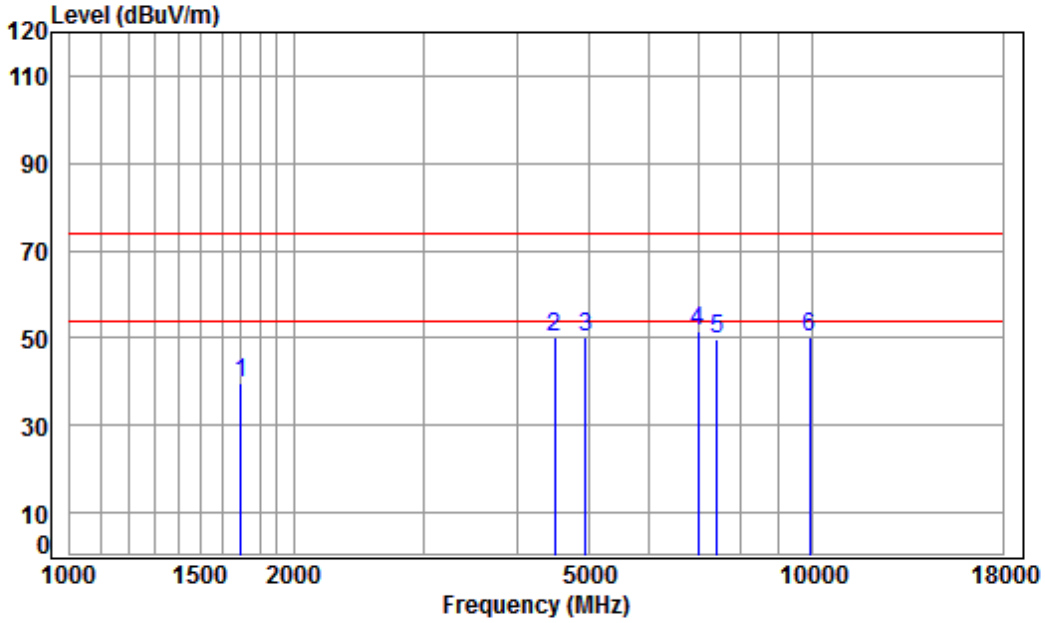
Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2472.5MHz;



Condition: 3m HORIZONTAL
Job No : 04179CR
Mode : 2472.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1547.199	5.42	26.02	38.04	46.51	39.91	74.00	-34.09	peak
2	4145.664	7.16	33.60	38.08	48.23	50.91	74.00	-23.09	peak
3	4945.000	8.03	34.41	38.48	46.48	50.44	74.00	-23.56	peak
4 pp	6583.209	11.30	35.34	37.70	43.41	52.35	74.00	-21.65	peak
5	7417.500	10.02	36.33	36.91	41.03	50.47	74.00	-23.53	peak
6	9890.000	10.89	37.58	34.95	36.88	50.40	74.00	-23.60	peak

Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2472.5MHz;



Condition: 3m VERTICAL
Job No : 04179CR
Mode : 2472.5 TX RSE
Note : 20M ANT1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	5.23	26.66	38.02	45.88	39.75	74.00	-34.25	peak
2	4495.125	7.55	33.60	38.26	47.28	50.17	74.00	-23.83	peak
3	4945.000	8.03	34.41	38.48	46.21	50.17	74.00	-23.83	peak
4 pp	6995.172	10.14	36.49	37.30	42.35	51.68	74.00	-22.32	peak
5	7417.500	10.02	36.33	36.91	40.52	49.96	74.00	-24.04	peak
6	9890.000	10.89	37.58	34.95	36.52	50.04	74.00	-23.96	peak

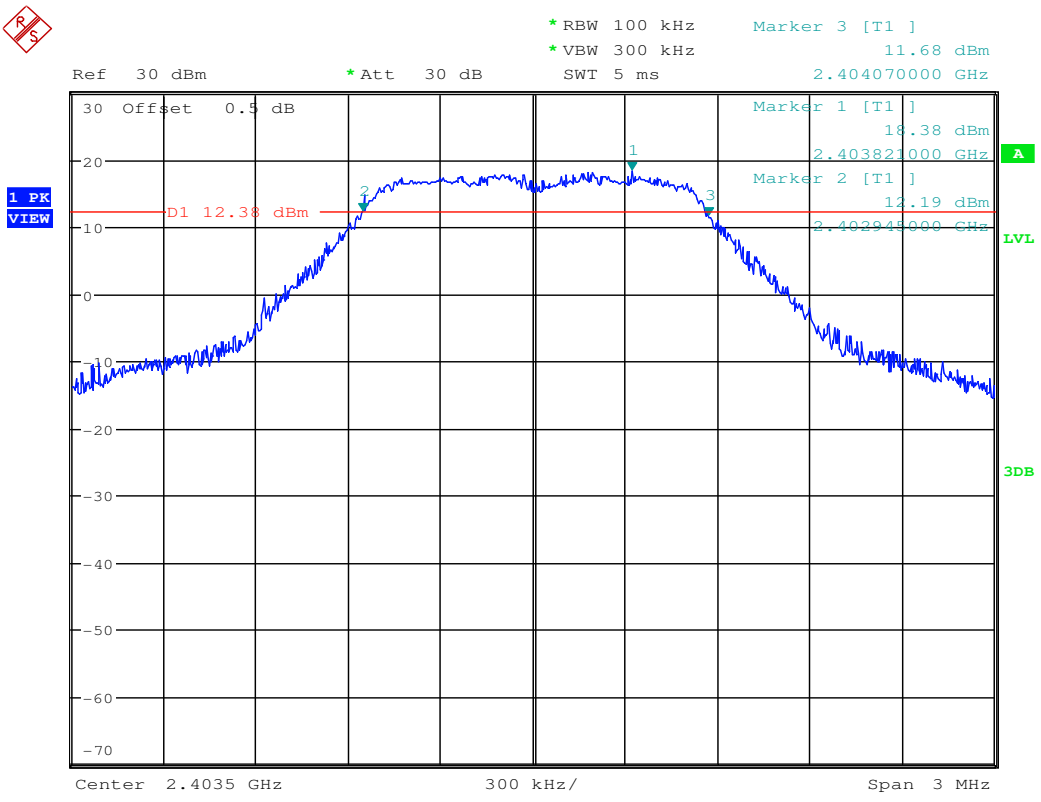
8 Appendix

8.1 Appendix 15.247

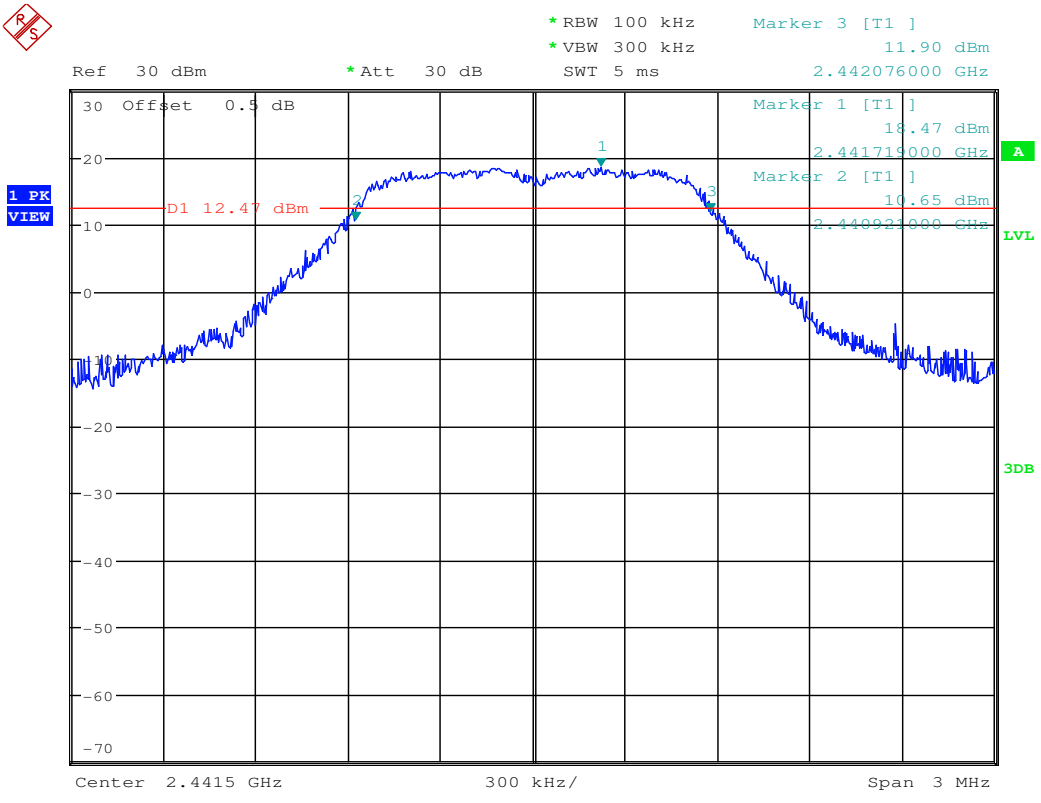
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit[MHz]	Verdict
1.4MHz BW	2403.5	Ant1	1.125	>=0.5	PASS
1.4MHz BW	2441.5	Ant1	1.155	>=0.5	PASS
1.4MHz BW	2477.5	Ant1	1.149	>=0.5	PASS
10MHz BW	2405.5	Ant1	9.000	>=0.5	PASS
10MHz BW	2441.5	Ant1	9.015	>=0.5	PASS
10MHz BW	2477.5	Ant1	9.015	>=0.5	PASS
20MHz BW	2410.5	Ant1	18.030	>=0.5	PASS
20MHz BW	2441.5	Ant1	18.060	>=0.5	PASS
20MHz BW	2472.5	Ant1	18.060	>=0.5	PASS

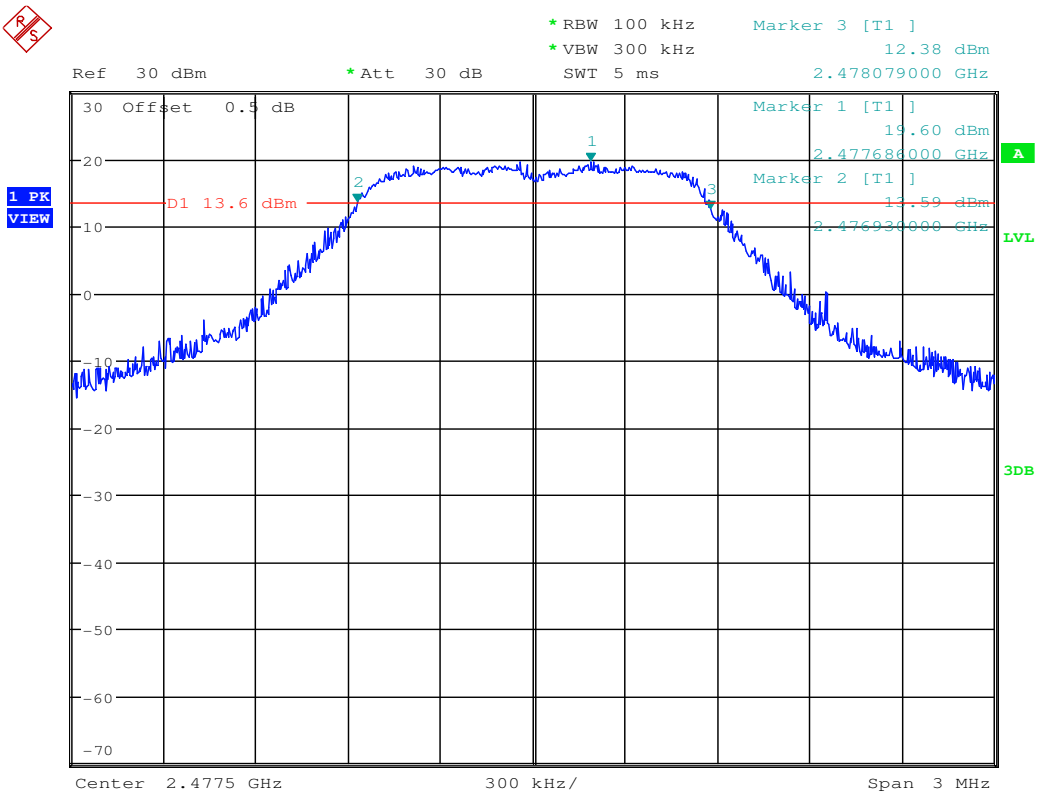
6dB Bandwidth_1.4MHz BW_2403.5_Ant1



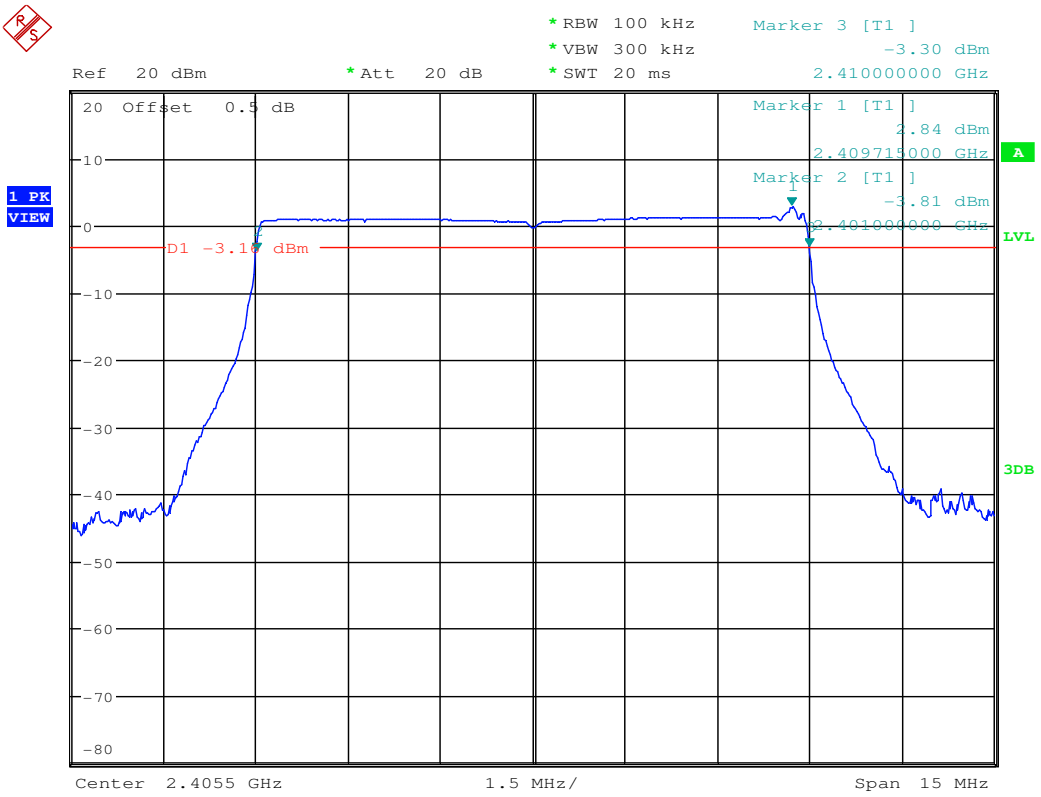
6dB Bandwidth_1.4MHz BW_2441.5_Ant1



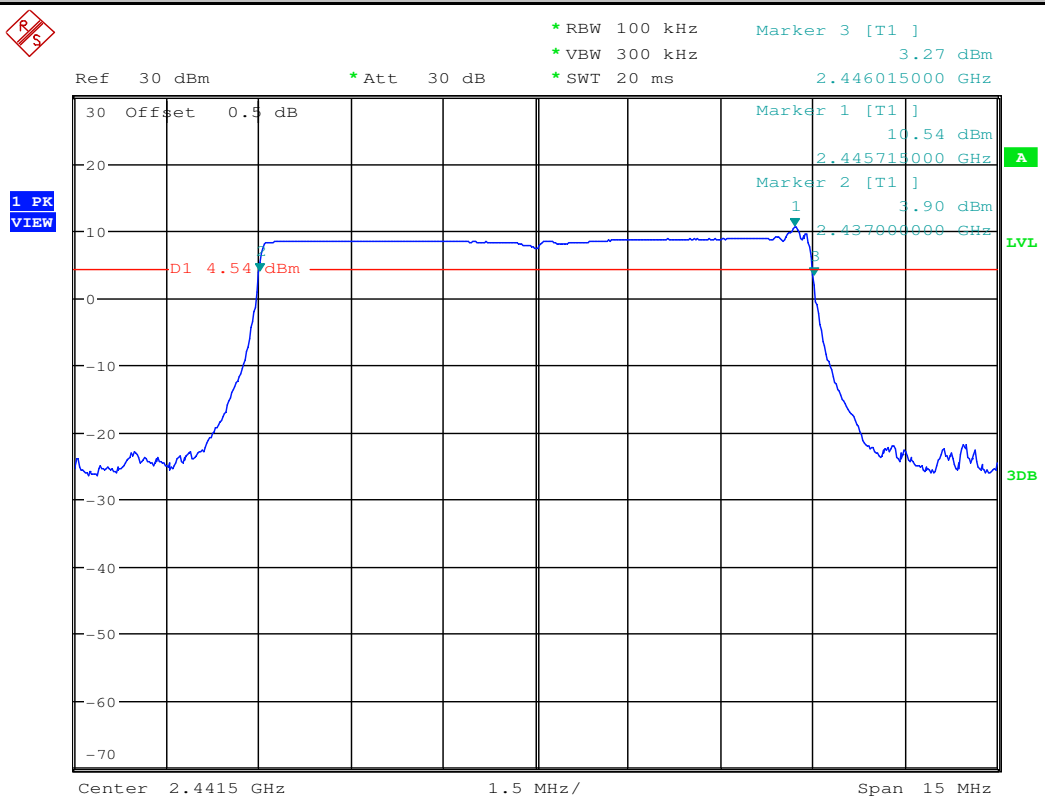
6dB Bandwidth_1.4MHz BW_2477.5_Ant1



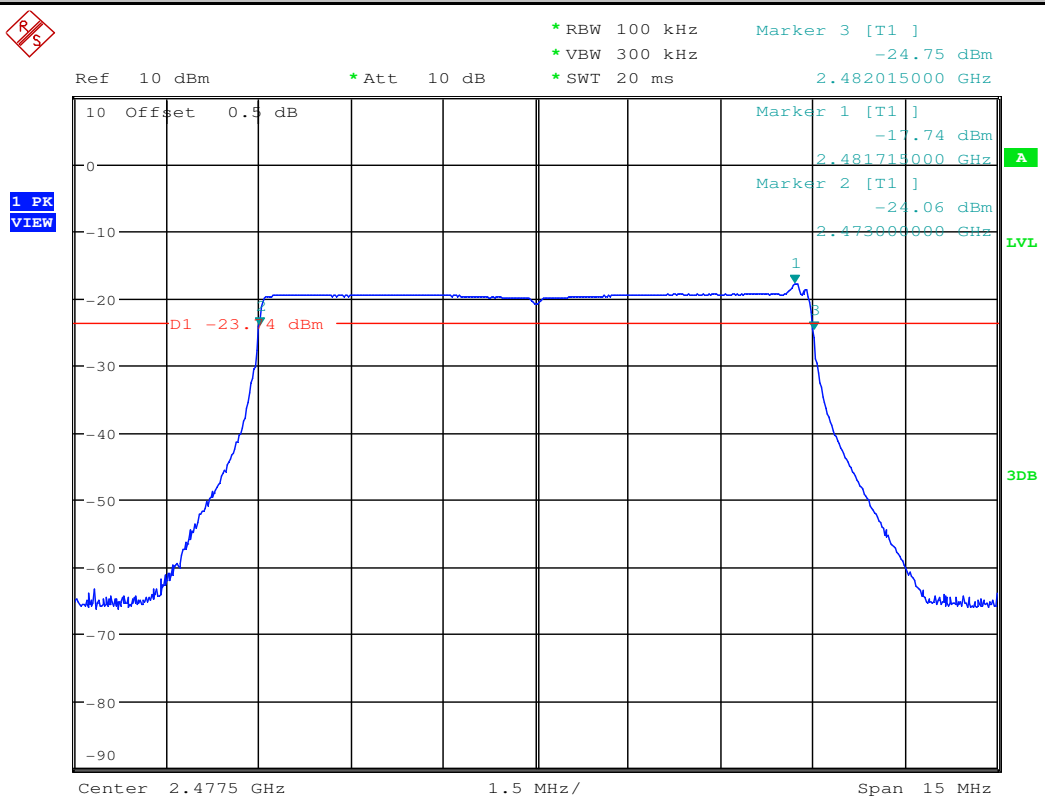
6dB Bandwidth_10MHz BW_2405.5_Ant1



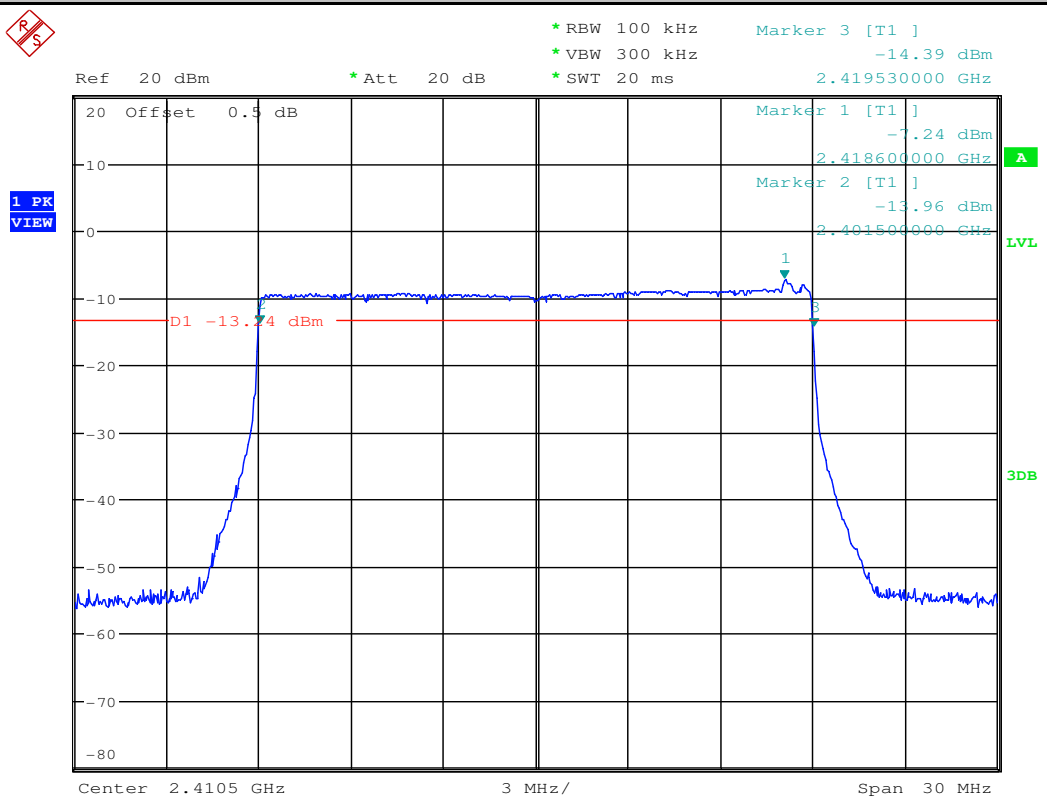
6dB Bandwidth_10MHz BW_2441.5_Ant1



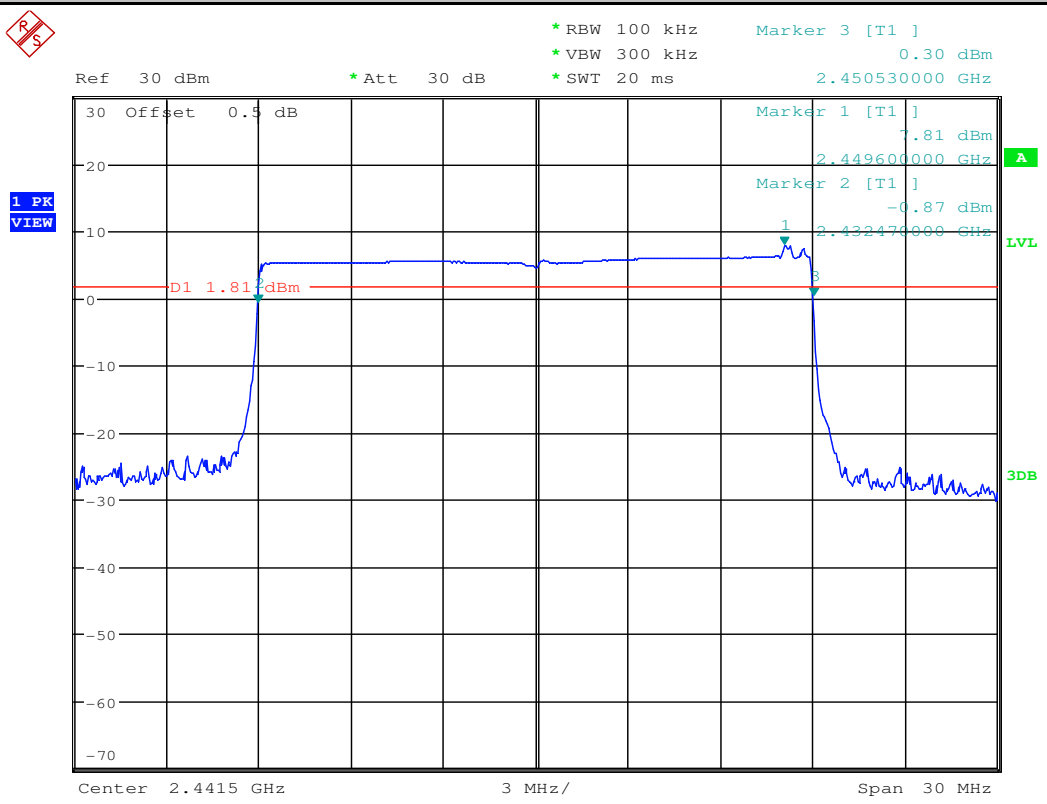
6dB Bandwidth_10MHz BW_2477.5_Ant1



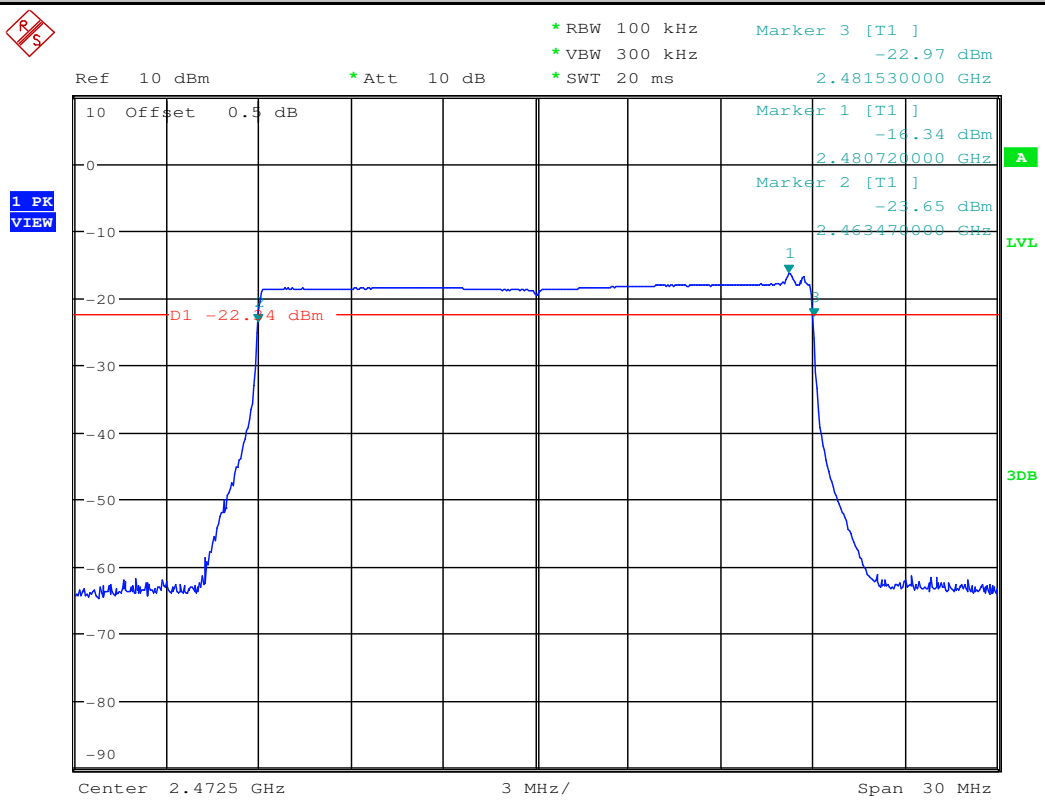
6dB Bandwidth_20MHz BW_2410.5_Ant1



6dB Bandwidth_20MHz BW_2441.5_Ant1



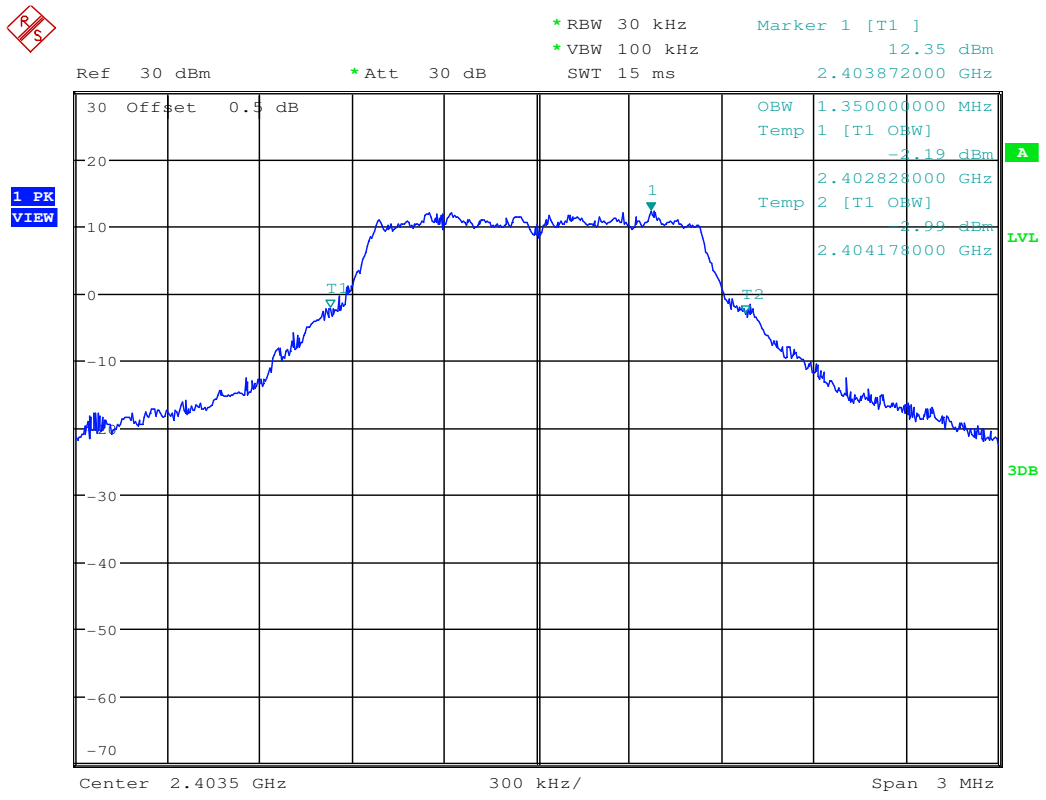
6dB Bandwidth_20MHz BW_2472.5_Ant1



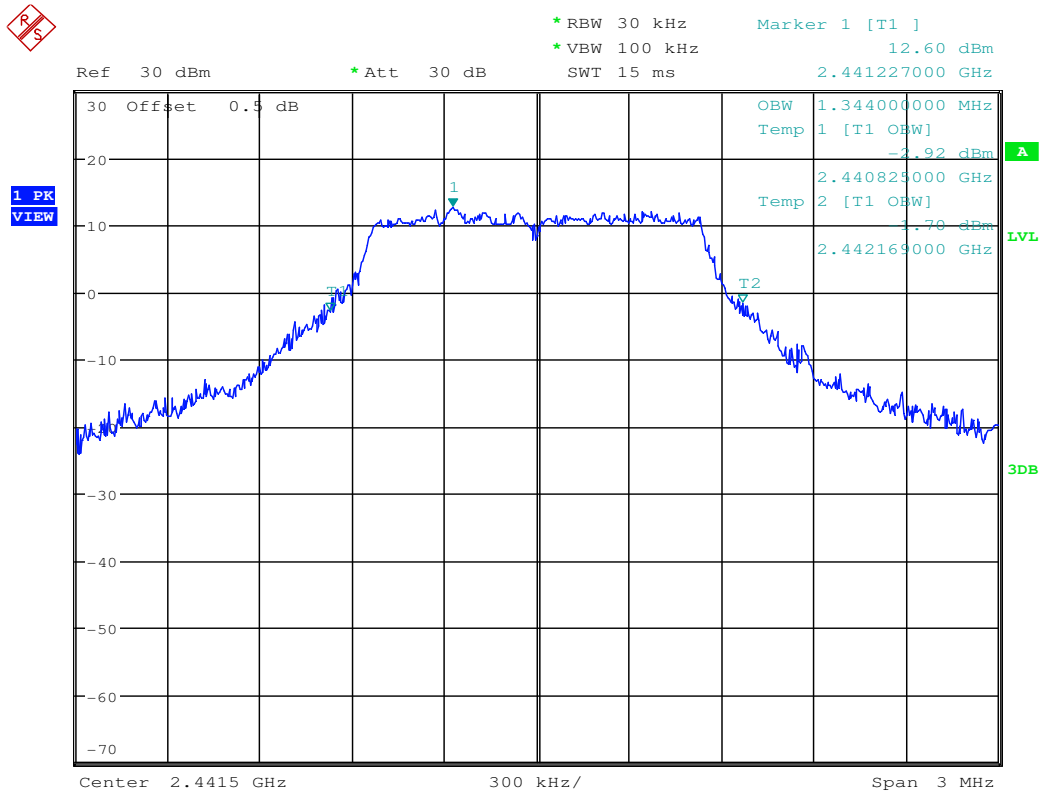
2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
1.4MHz BW	2403.5	Ant1	1.350	---	PASS
1.4MHz BW	2441.5	Ant1	1.344	---	PASS
1.4MHz BW	2477.5	Ant1	1.329	---	PASS
10MHz BW	2405.5	Ant1	9.060	---	PASS
10MHz BW	2441.5	Ant1	9.060	---	PASS
10MHz BW	2477.5	Ant1	9.060	---	PASS
20MHz BW	2410.5	Ant1	17.820	---	PASS
20MHz BW	2441.5	Ant1	17.820	---	PASS
20MHz BW	2472.5	Ant1	17.820	---	PASS

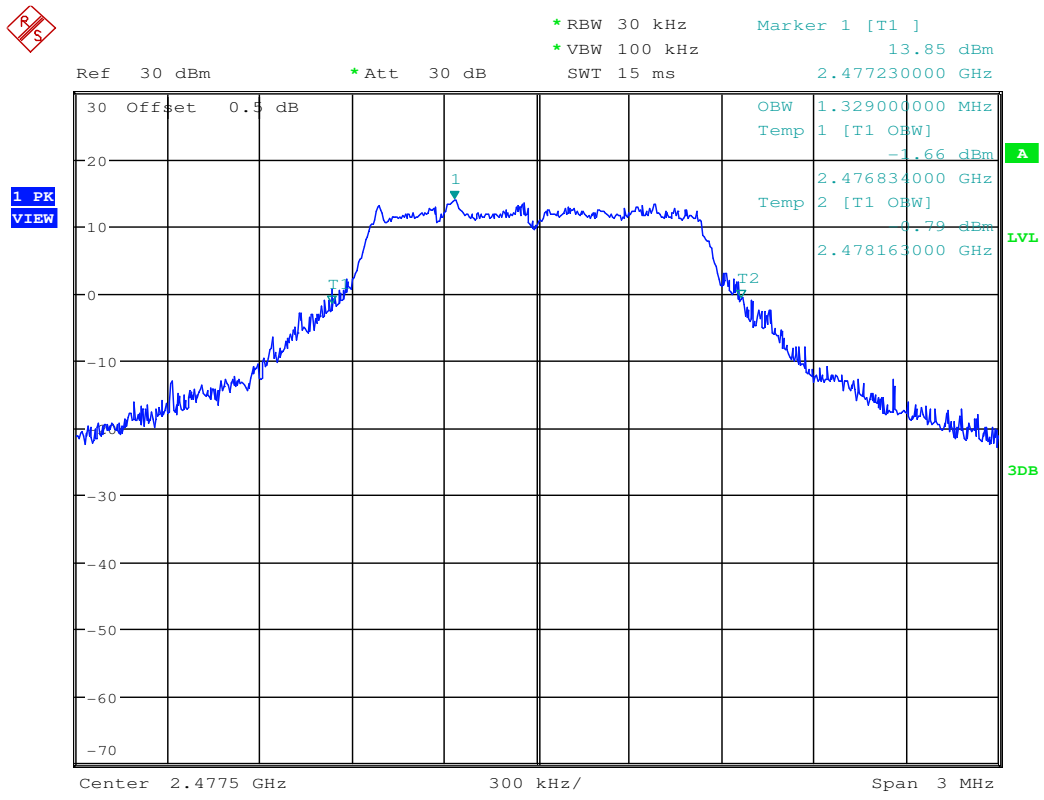
Occupied Bandwidth_1.4MHz BW_2403.5_Ant1



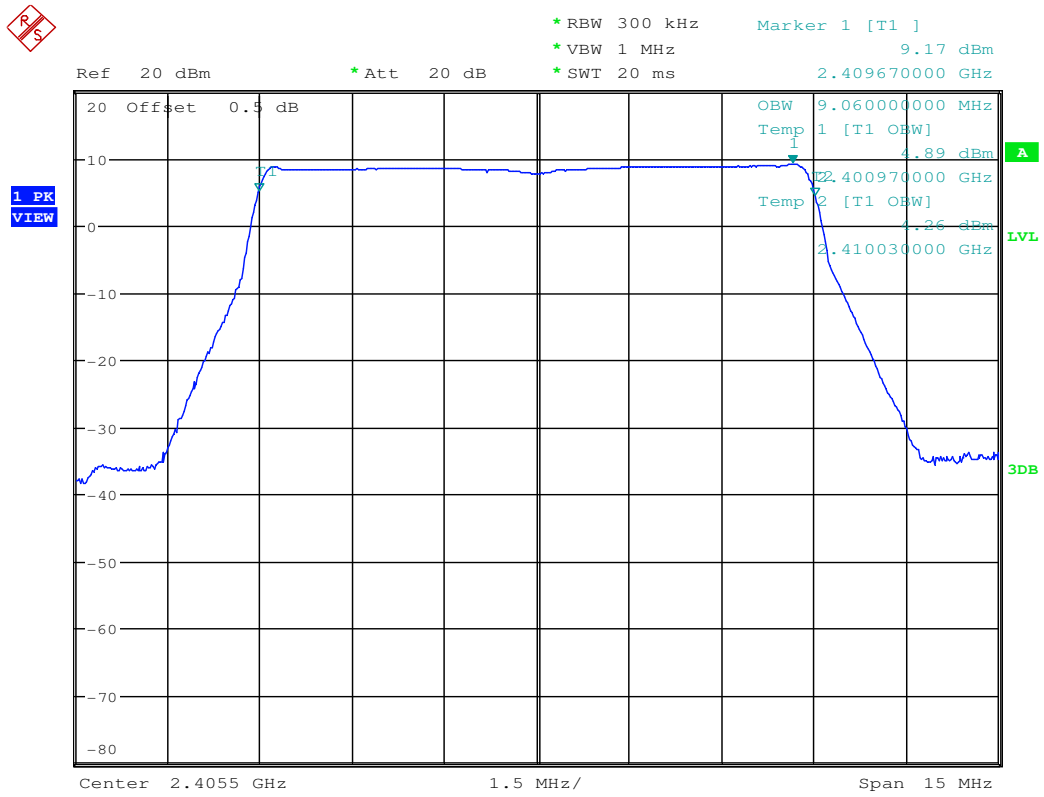
Occupied Bandwidth_1.4MHz BW_2441.5_Ant1



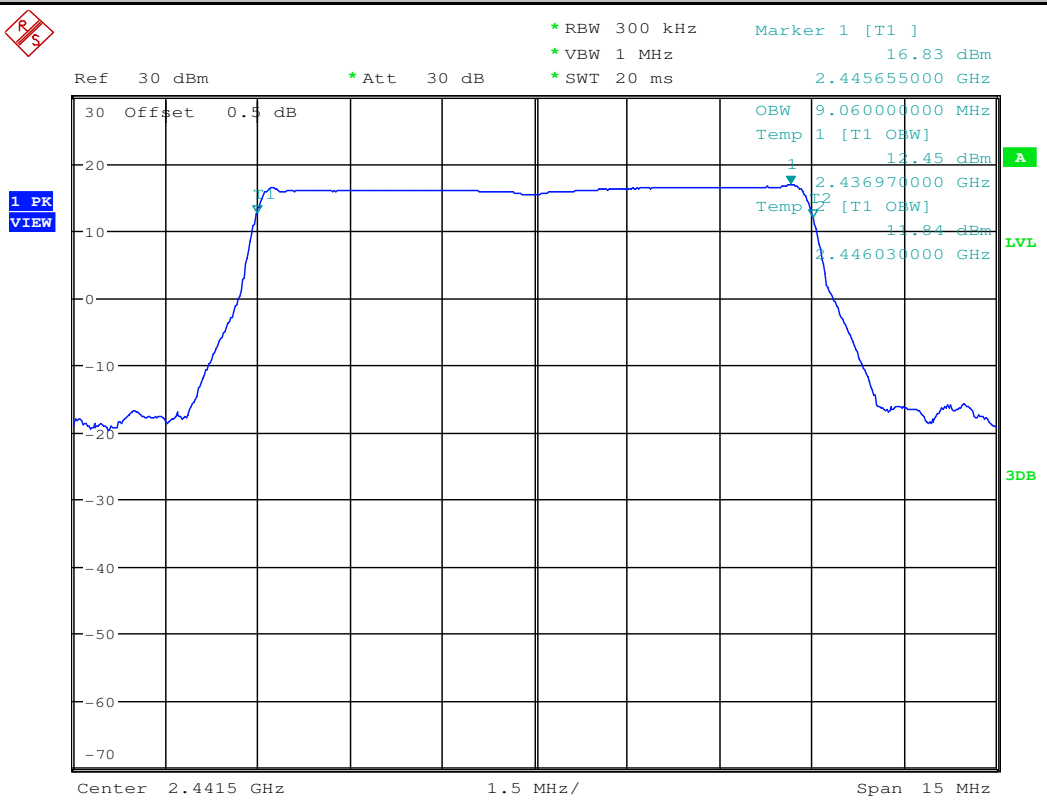
Occupied Bandwidth_1.4MHz BW_2477.5_Ant1



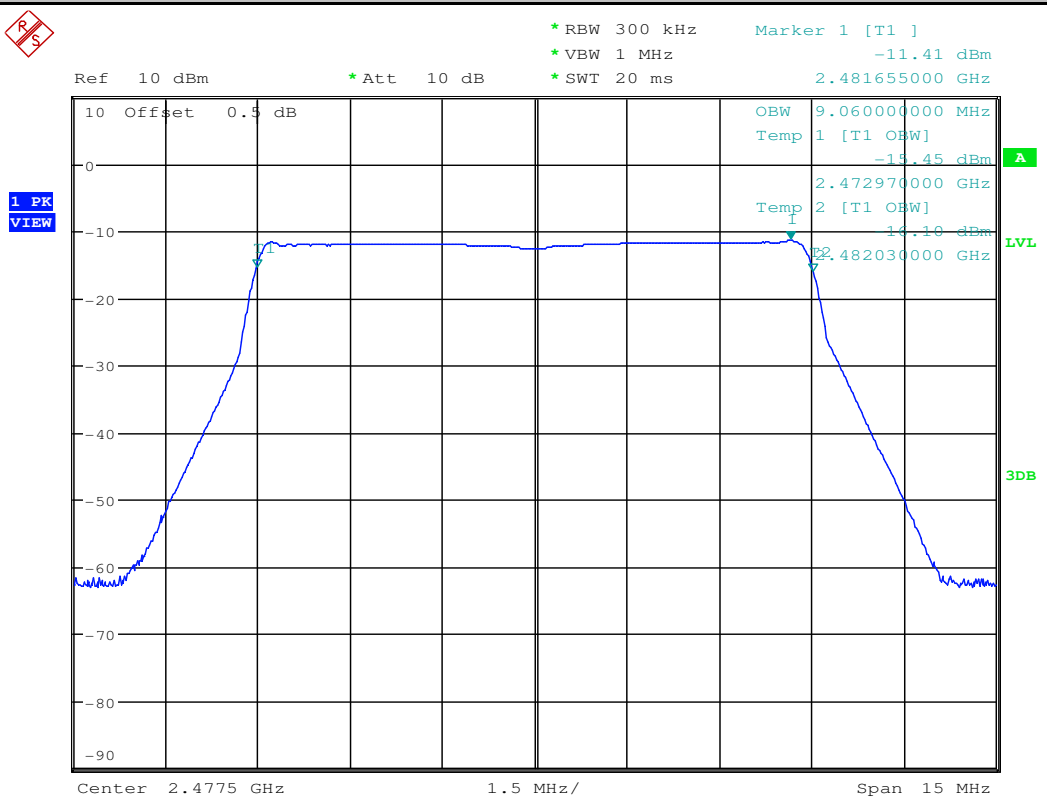
Occupied Bandwidth_10MHz BW_2405.5_Ant1



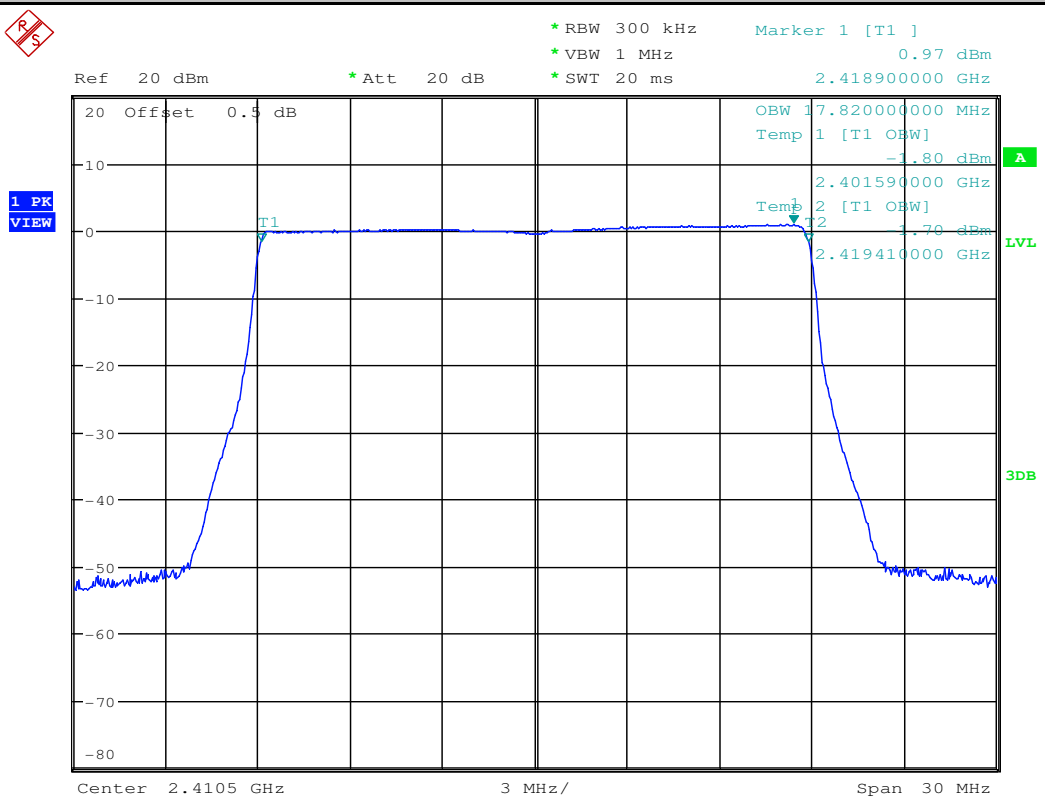
Occupied Bandwidth_10MHz BW_2441.5_Ant1



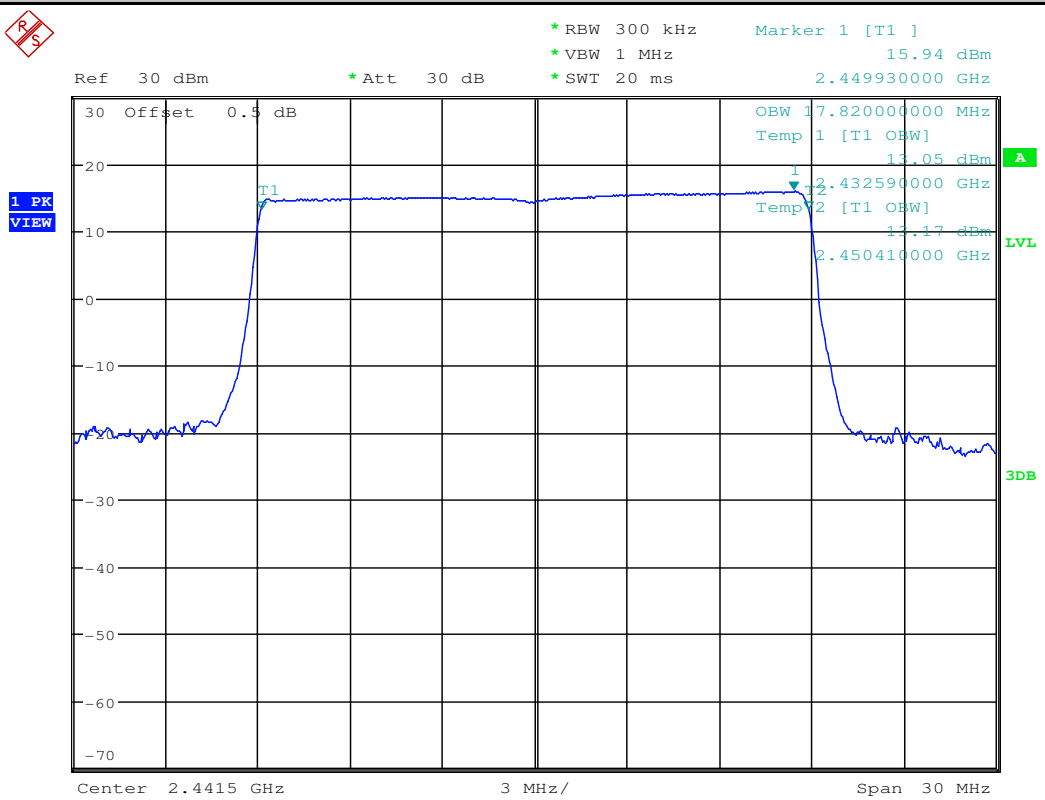
Occupied Bandwidth_10MHz BW_2477.5_Ant1



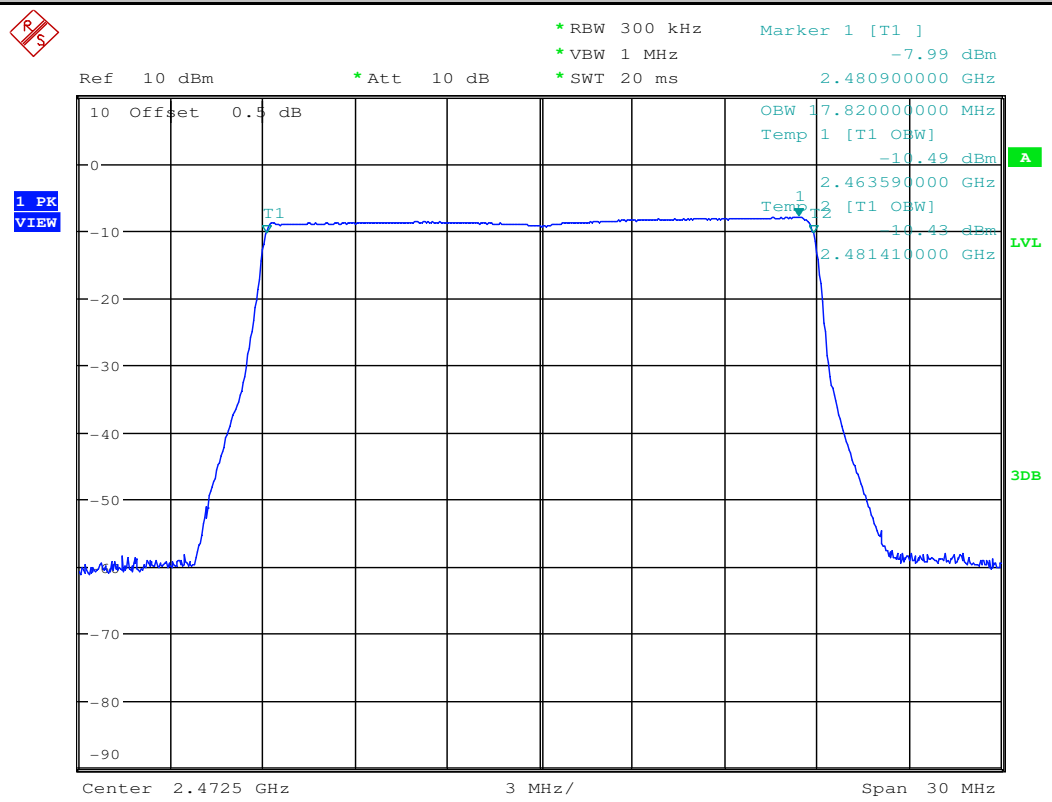
Occupied Bandwidth_20MHz BW_2410.5_Ant1



Occupied Bandwidth_20MHz BW_2441.5_Ant1



Occupied Bandwidth_20MHz BW_2472.5_Ant1



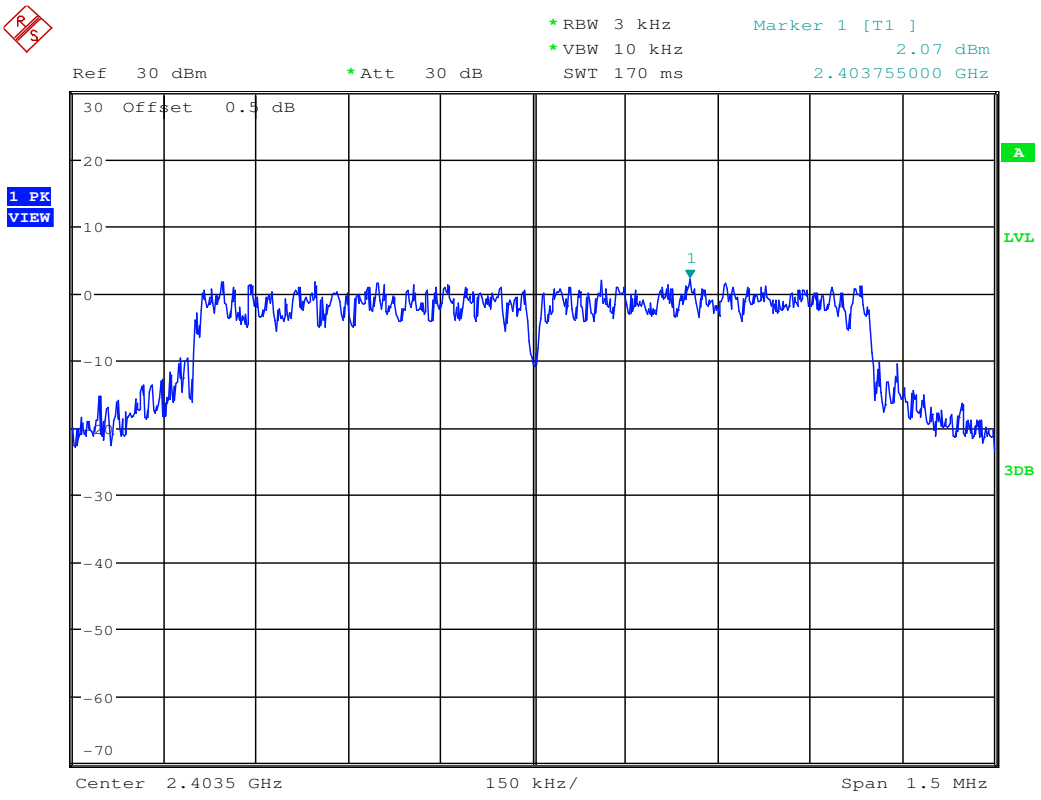
3.Maximum conducted output power (Average)

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
1.4MHz BW	2403.5	Ant1	20.97	<30	PASS
1.4MHz BW	2441.5	Ant1	21.11	<30	PASS
1.4MHz BW	2477.5	Ant1	20.96	<30	PASS
10MHz BW	2405.5	Ant1	11.00	<30	PASS
10MHz BW	2408.5	Ant1	11.93	<30	PASS
10MHz BW	2409.5	Ant1	12.98	<30	PASS
10MHz BW	2415.5	Ant1	16.07	<30	PASS
10MHz BW	2417.5	Ant1	18.07	<30	PASS
10MHz BW	2441.5	Ant1	17.91	<30	PASS
10MHz BW	2455.5	Ant1	18.10	<30	PASS
10MHz BW	2459.5	Ant1	17.26	<30	PASS
10MHz BW	2463.5	Ant1	14.06	<30	PASS
10MHz BW	2464.5	Ant1	12.96	<30	PASS
10MHz BW	2467.5	Ant1	11.02	<30	PASS
10MHz BW	2469.5	Ant1	9.95	<30	PASS
10MHz BW	2471.5	Ant1	7.20	<30	PASS
10MHz BW	2472.5	Ant1	2.87	<30	PASS
10MHz BW	2476.5	Ant1	0.28	<30	PASS
10MHz BW	2477.5	Ant1	-11.08	<30	PASS
20MHz BW	2410.5	Ant1	3.89	<30	PASS
20MHz BW	2414.5	Ant1	7.82	<30	PASS
20MHz BW	2415.5	Ant1	8.88	<30	PASS
20MHz BW	2419.5	Ant1	11.07	<30	PASS
20MHz BW	2420.5	Ant1	11.84	<30	PASS
20MHz BW	2430.5	Ant1	15.31	<30	PASS
20MHz BW	2434.5	Ant1	18.26	<30	PASS
20MHz BW	2441.5	Ant1	18.19	<30	PASS
20MHz BW	2442.5	Ant1	17.19	<30	PASS
20MHz BW	2448.5	Ant1	14.30	<30	PASS
20MHz BW	2450.5	Ant1	12.95	<30	PASS
20MHz BW	2458.5	Ant1	10.08	<30	PASS
20MHz BW	2459.5	Ant1	9.17	<30	PASS
20MHz BW	2464.5	Ant1	6.86	<30	PASS
20MHz BW	2465.5	Ant1	5.85	<30	PASS
20MHz BW	2471.5	Ant1	1.15	<30	PASS
20MHz BW	2472.5	Ant1	-6.82	<30	PASS

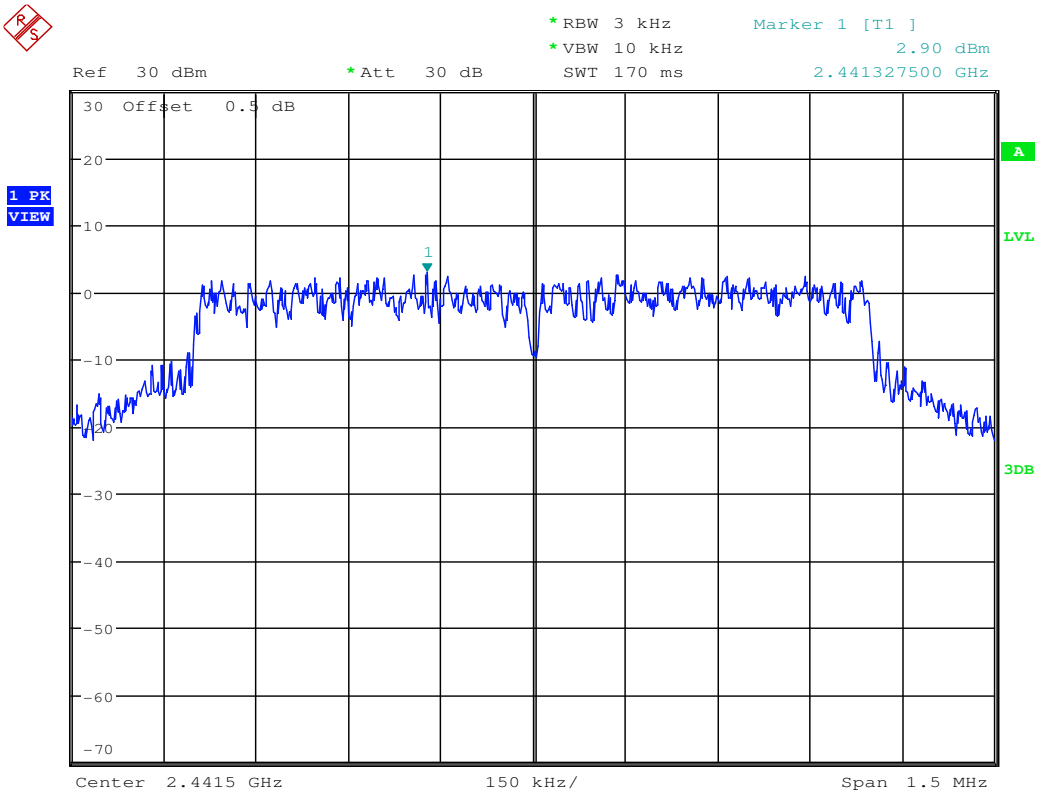
4.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
1.4MHz BW	2403.5	Ant1	2.07	<8.00	PASS
1.4MHz BW	2441.5	Ant1	2.9	<8.00	PASS
1.4MHz BW	2477.5	Ant1	3.57	<8.00	PASS
10MHz BW	2405.5	Ant1	-16.67	<8.00	PASS
10MHz BW	2441.5	Ant1	-7.85	<8.00	PASS
10MHz BW	2477.5	Ant1	-37.76	<8.00	PASS
20MHz BW	2410.5	Ant1	-27.94	<8.00	PASS
20MHz BW	2441.5	Ant1	-11.15	<8.00	PASS
20MHz BW	2472.5	Ant1	-33.46	<8.00	PASS

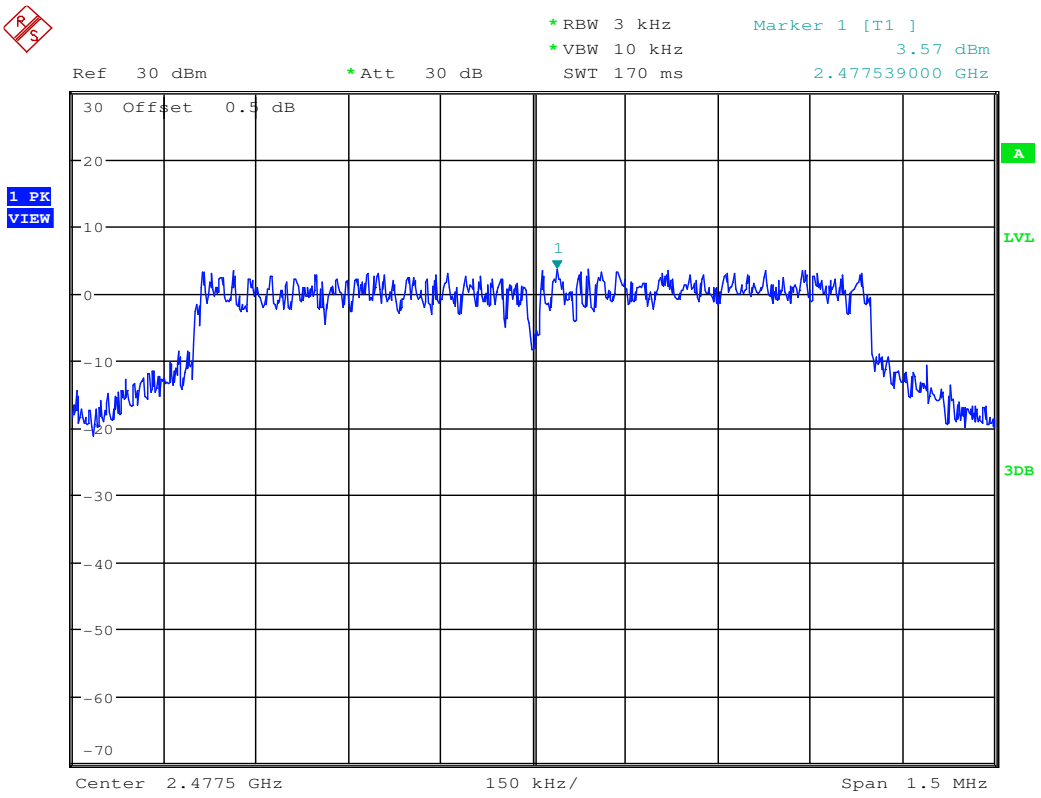
Maximum Peak power spectral density_1.4MHz BW_2403.5_Ant1



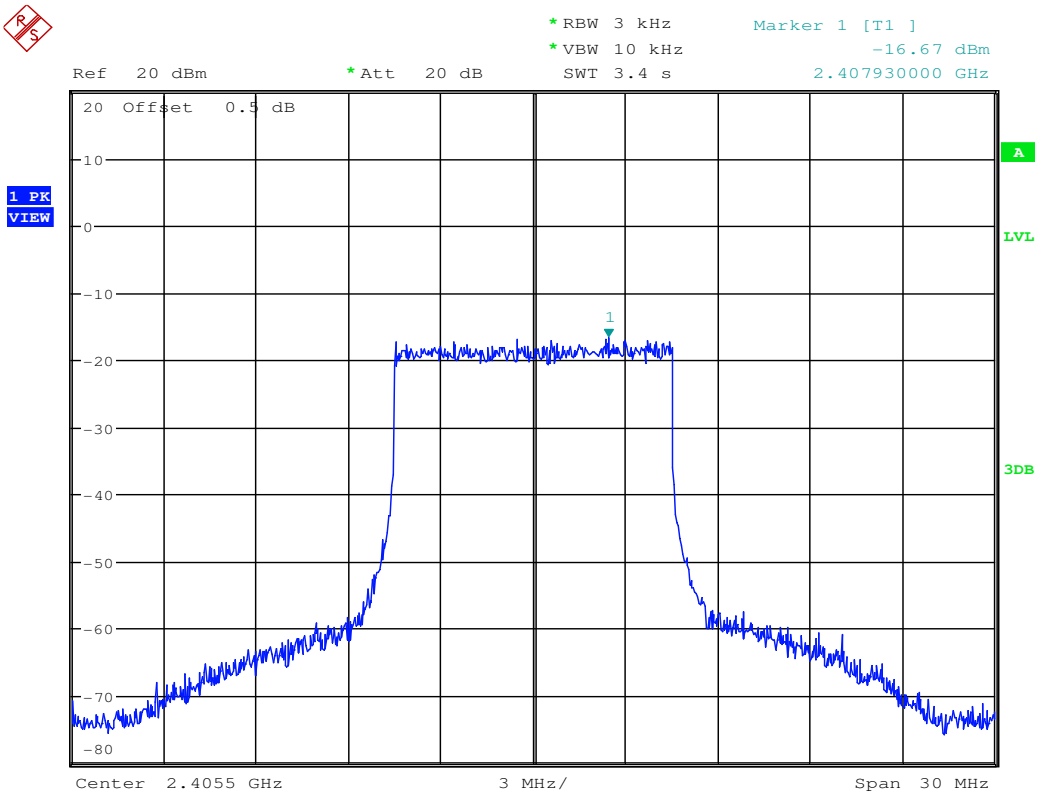
Maximum Peak power spectral density_1.4MHz BW_2441.5_Ant1



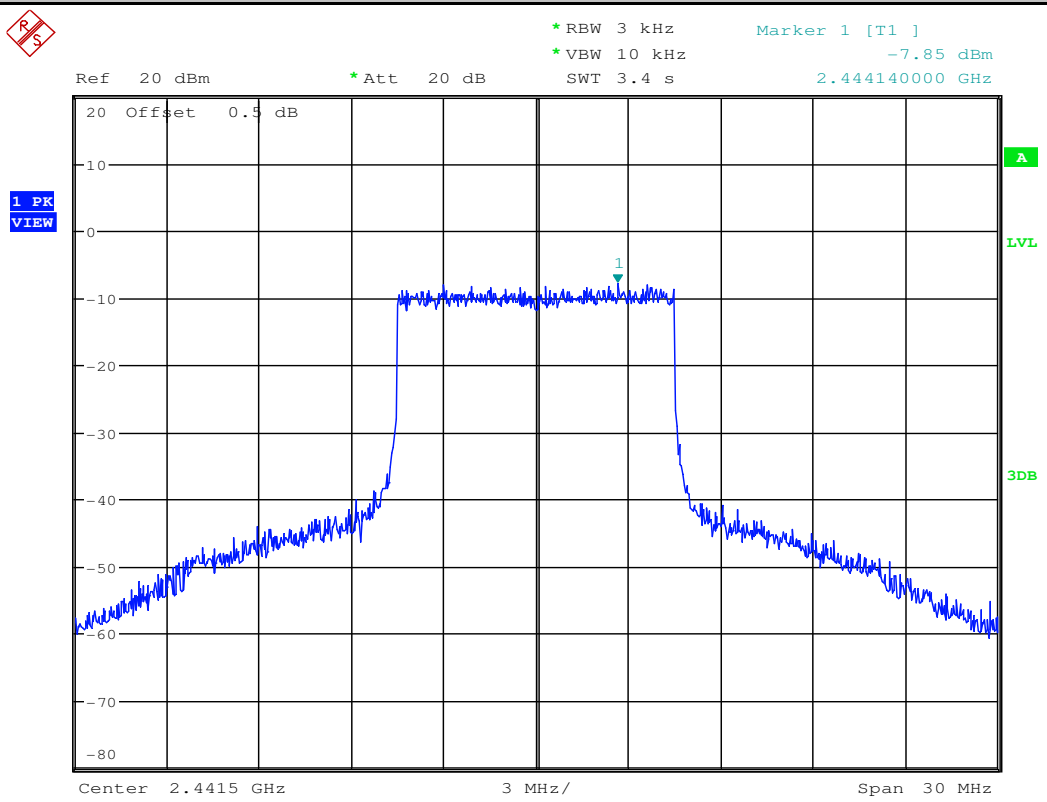
Maximum Peak power spectral density_1.4MHz BW_2477.5_Ant1



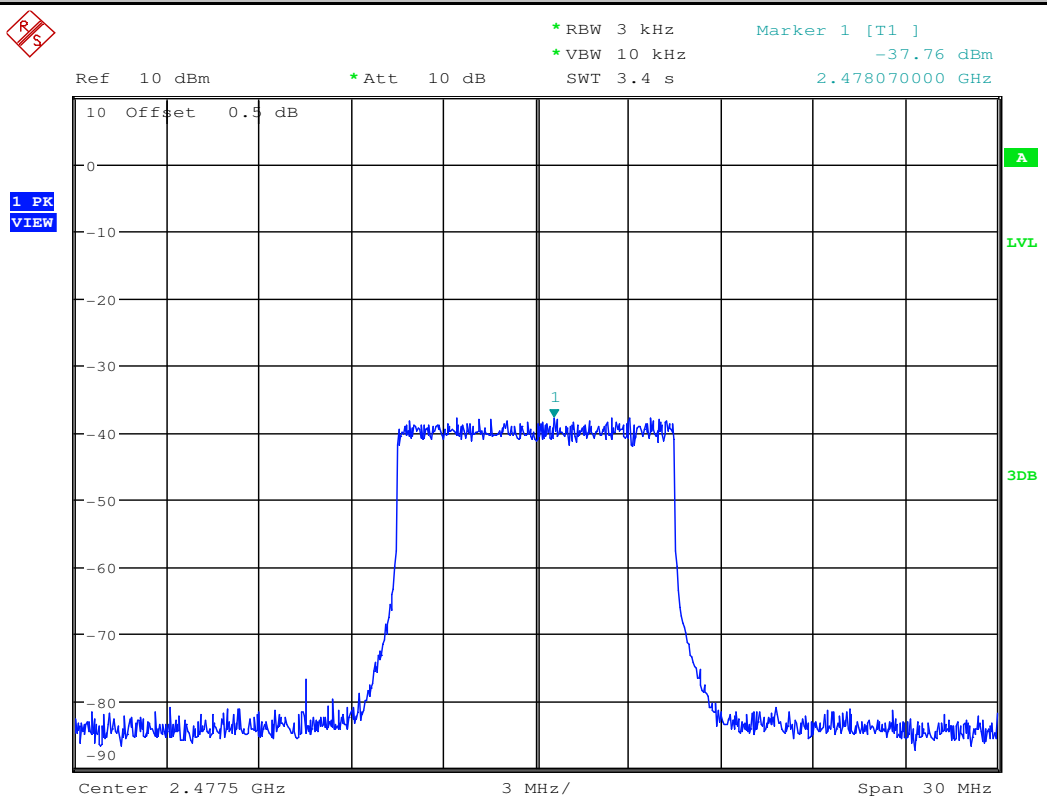
Maximum Peak power spectral density_10MHz BW_2405.5_Ant1



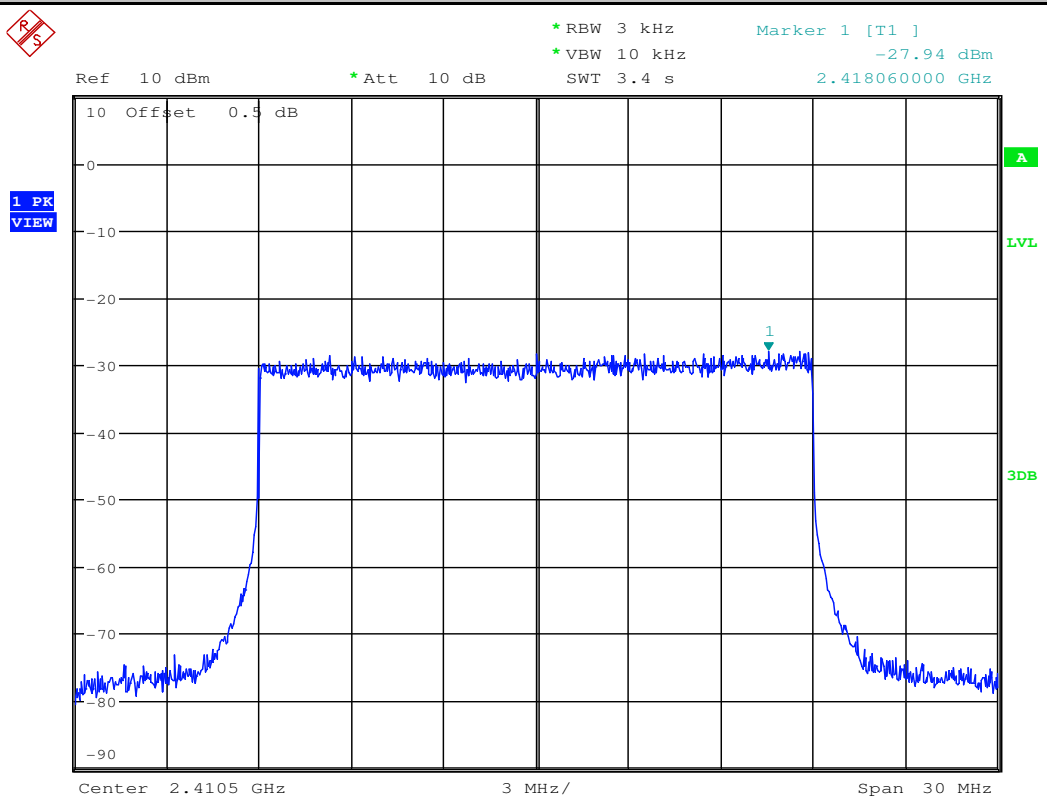
Maximum Peak power spectral density_10MHz BW_2441.5_Ant1



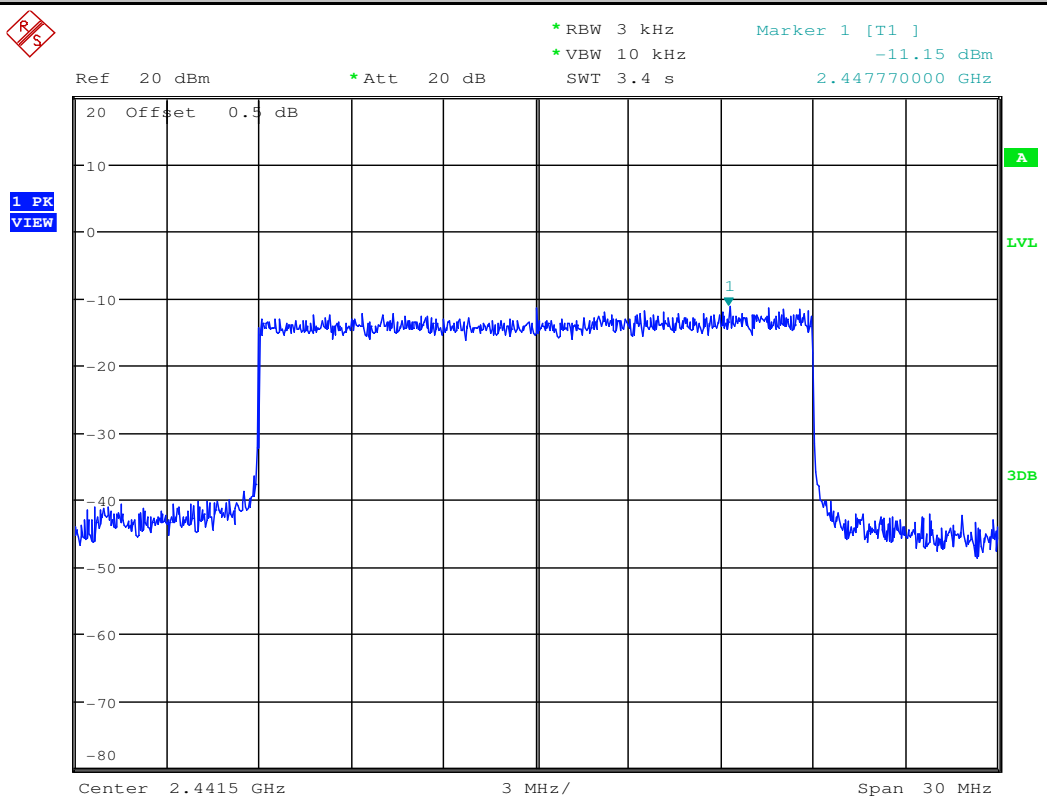
Maximum Peak power spectral density_10MHz BW_2477.5_Ant1



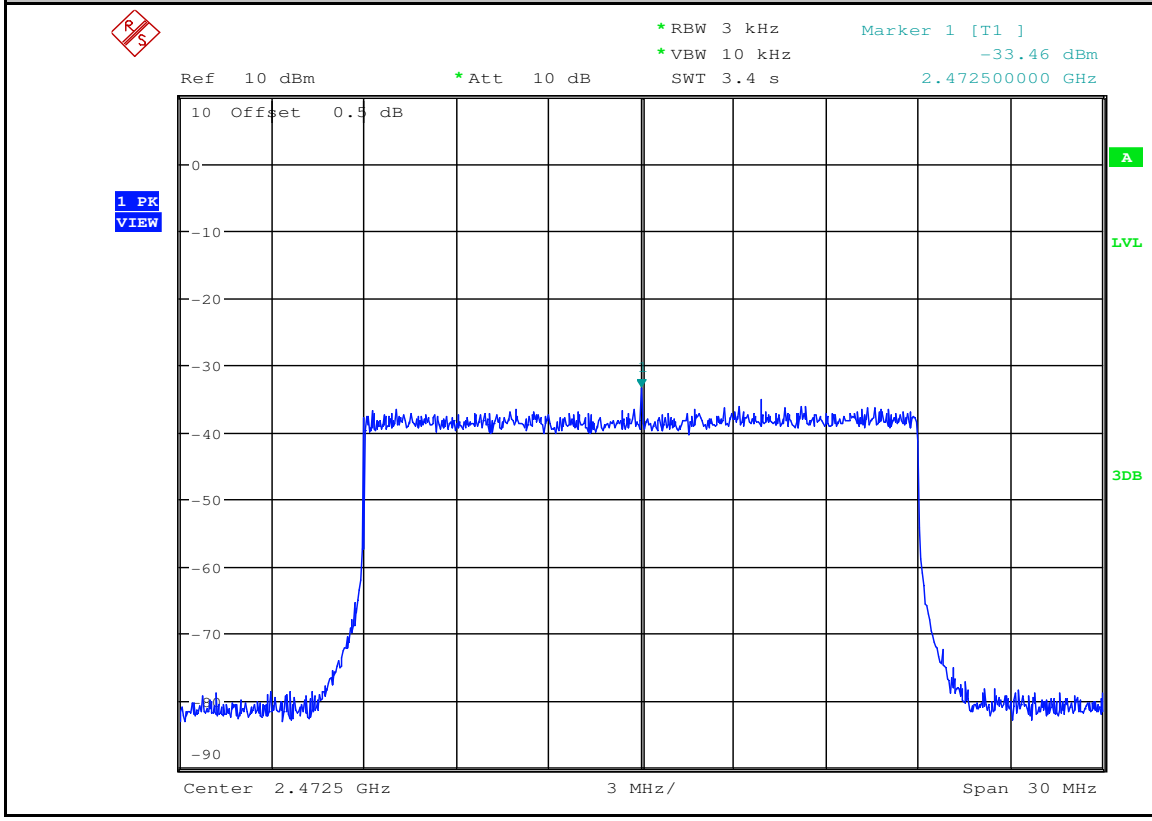
Maximum Peak power spectral density_20MHz BW_2410.5_Ant1



Maximum Peak power spectral density_20MHz BW_2441.5_Ant1



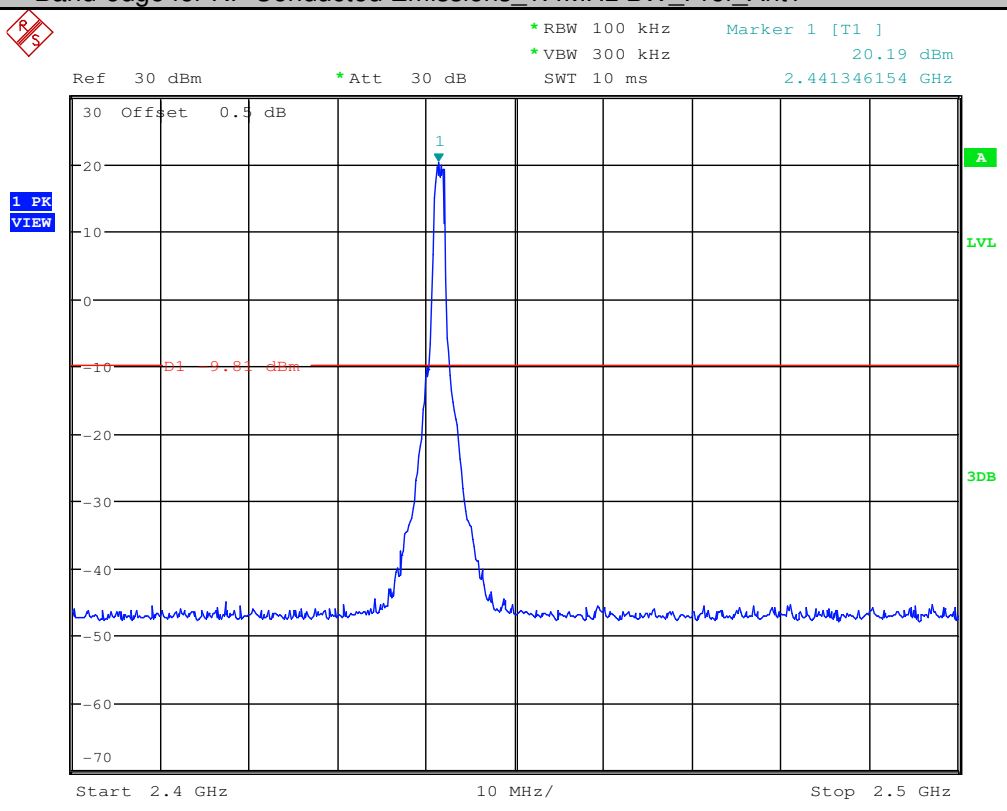
Maximum Peak power spectral density_20MHz BW_2472.5_Ant1



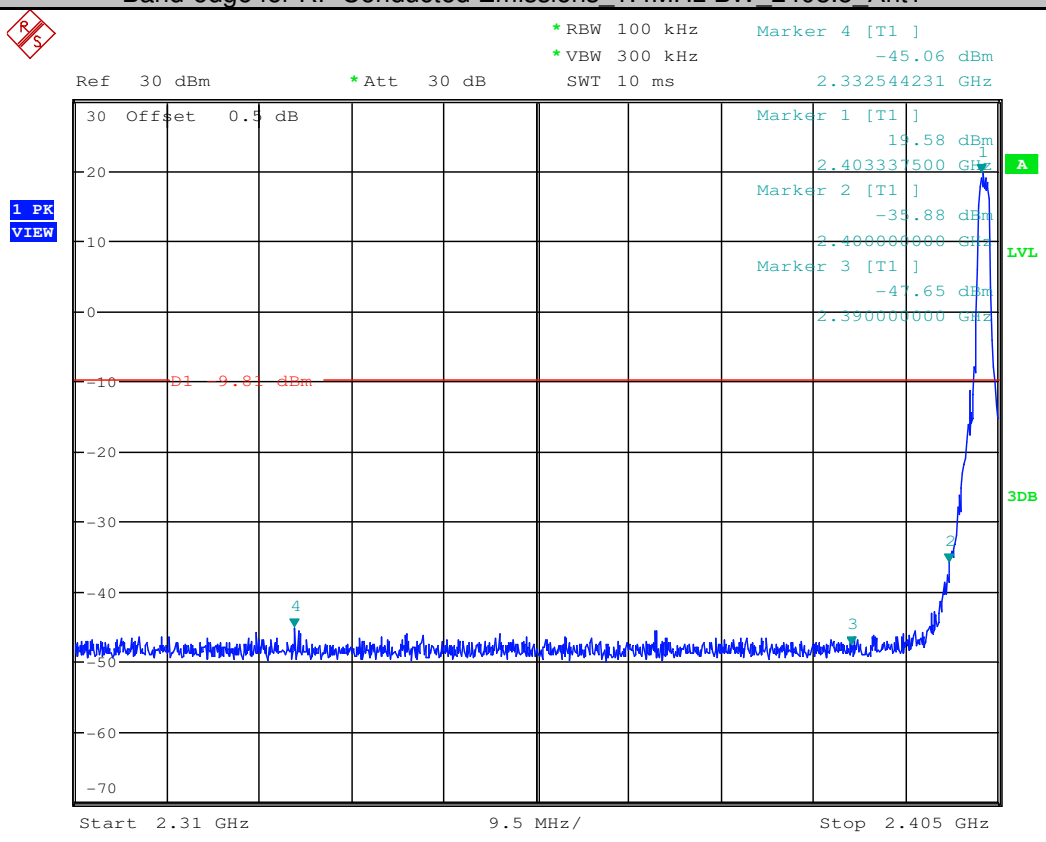
5.Band-edge for RF Conducted Emissions

Band-edge for RF Conducted Emissions_1.4MHz BW_Pref_Ant1

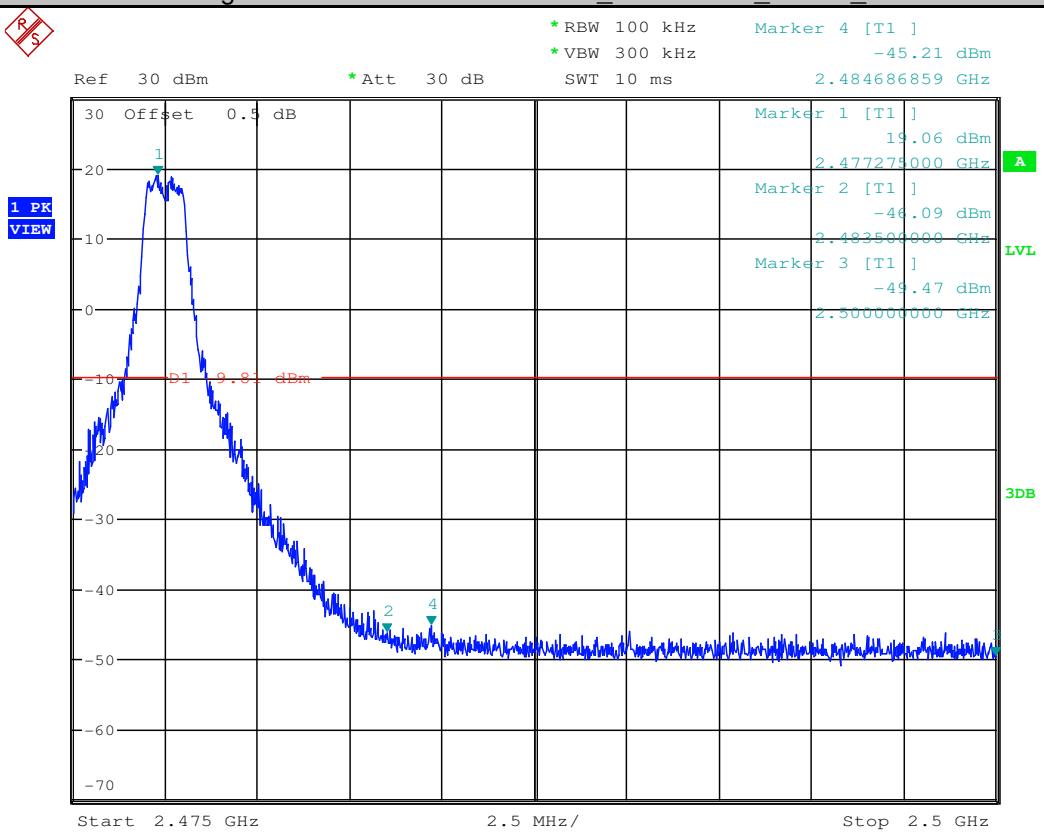
Pref



Band-edge for RF Conducted Emissions_1.4MHz BW_2403.5_Ant1

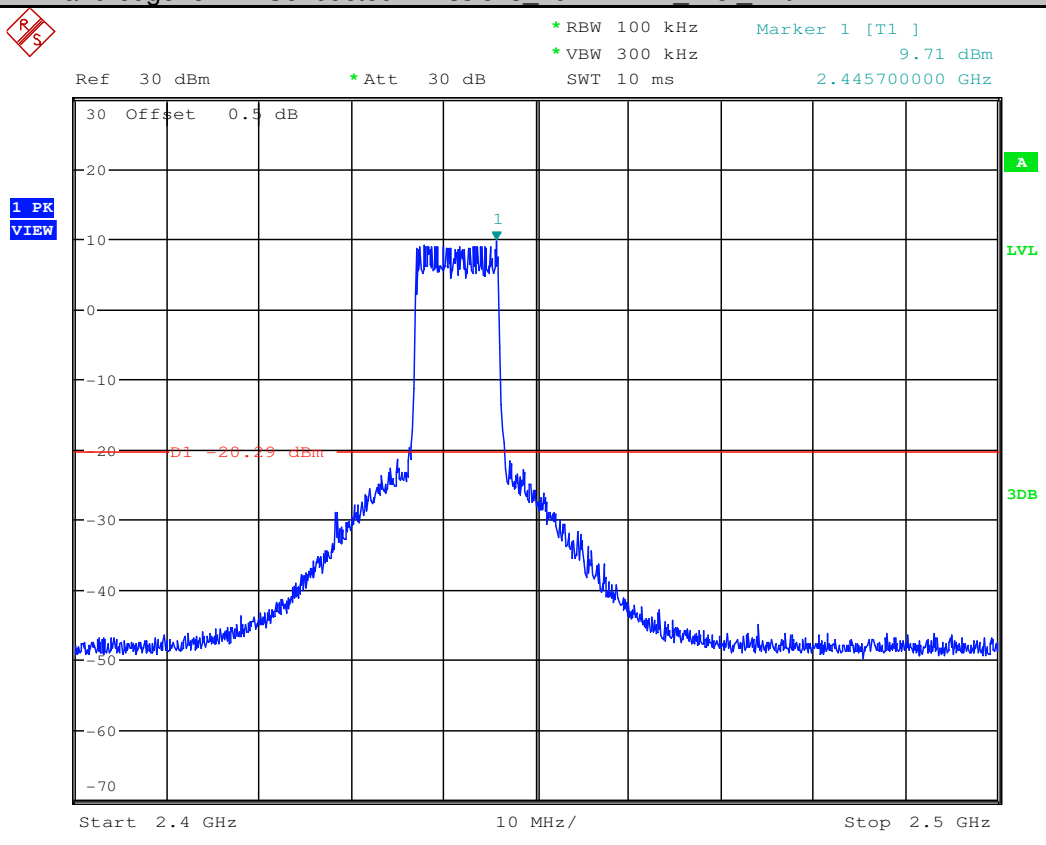


Band-edge for RF Conducted Emissions_1.4MHz BW_2477.5_Ant1



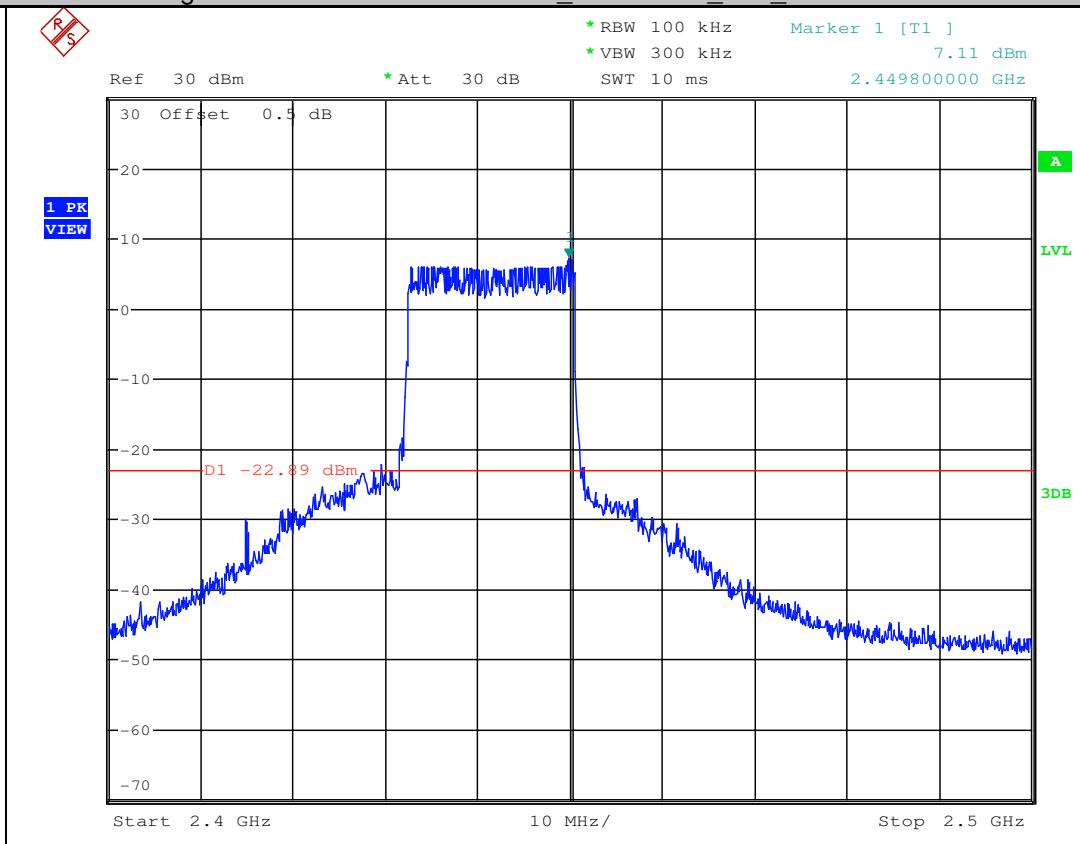
Band-edge for RF Conducted Emissions_10MHz BW_Pref_Ant1

Pref

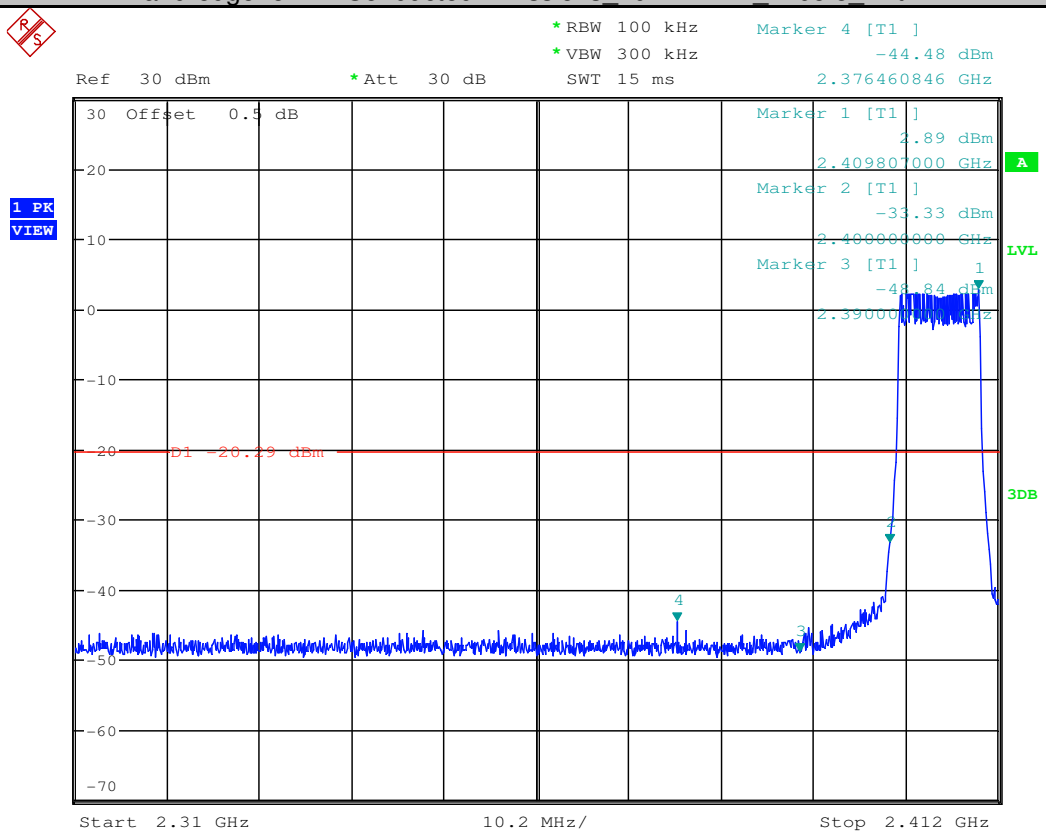


Band-edge for RF Conducted Emissions_20MHz BW_Pref_Ant1

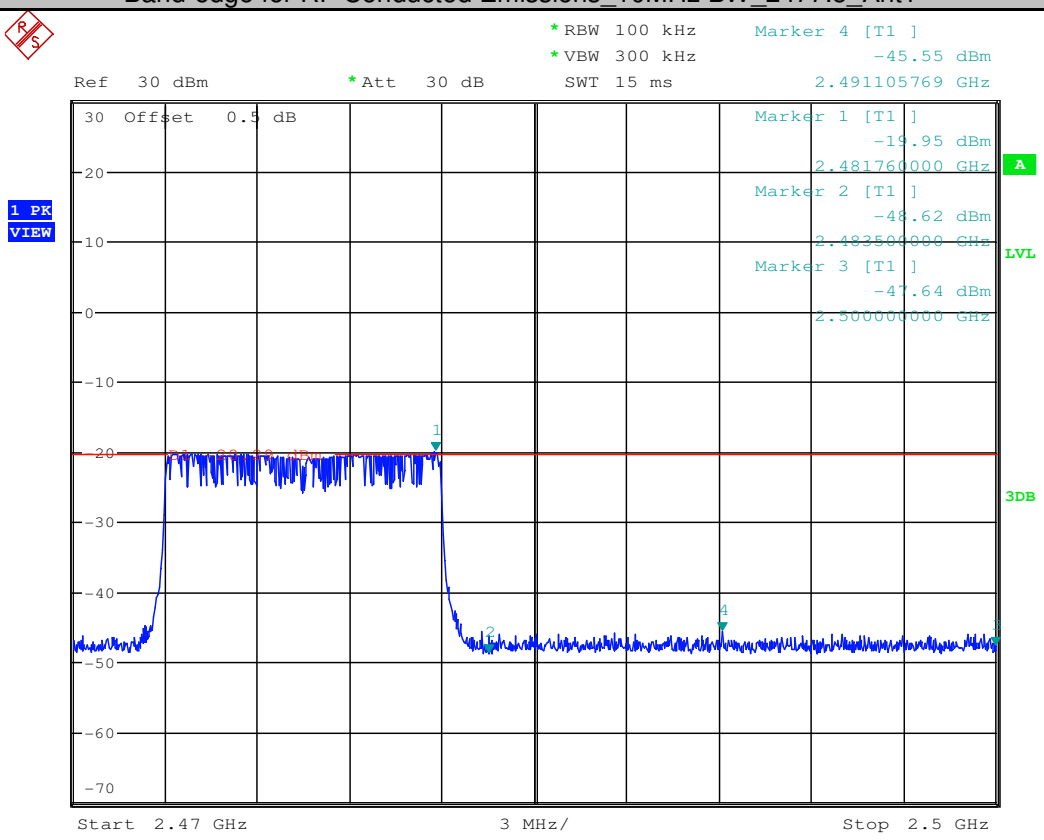
Pref



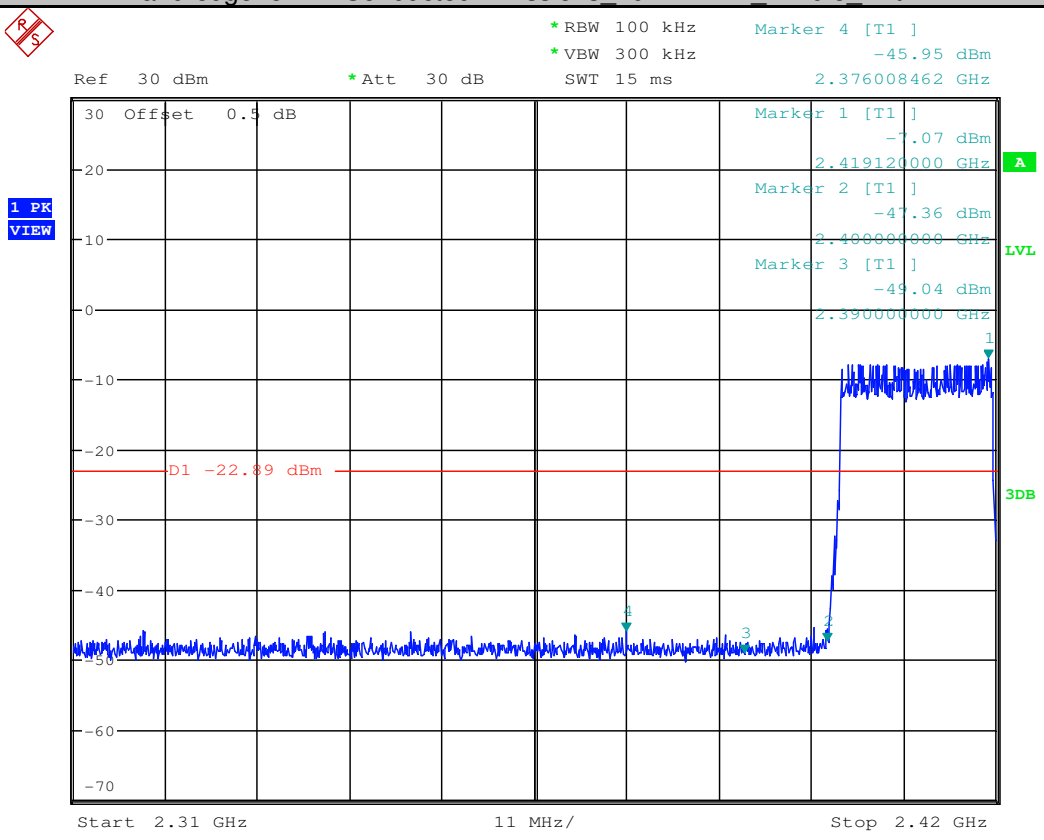
Band-edge for RF Conducted Emissions_10MHz BW_2405.5_Ant1



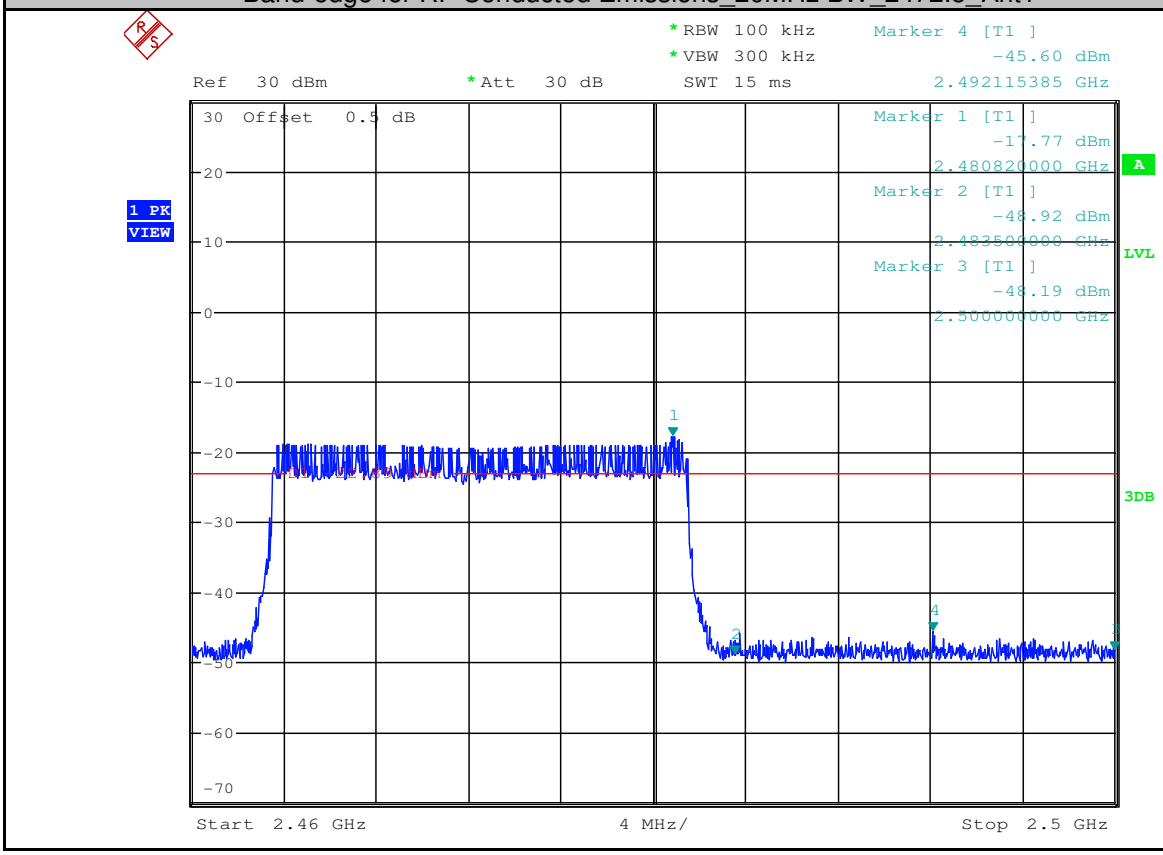
Band-edge for RF Conducted Emissions_10MHz BW_2477.5_Ant1



Band-edge for RF Conducted Emissions_20MHz BW_2410.5_Ant1



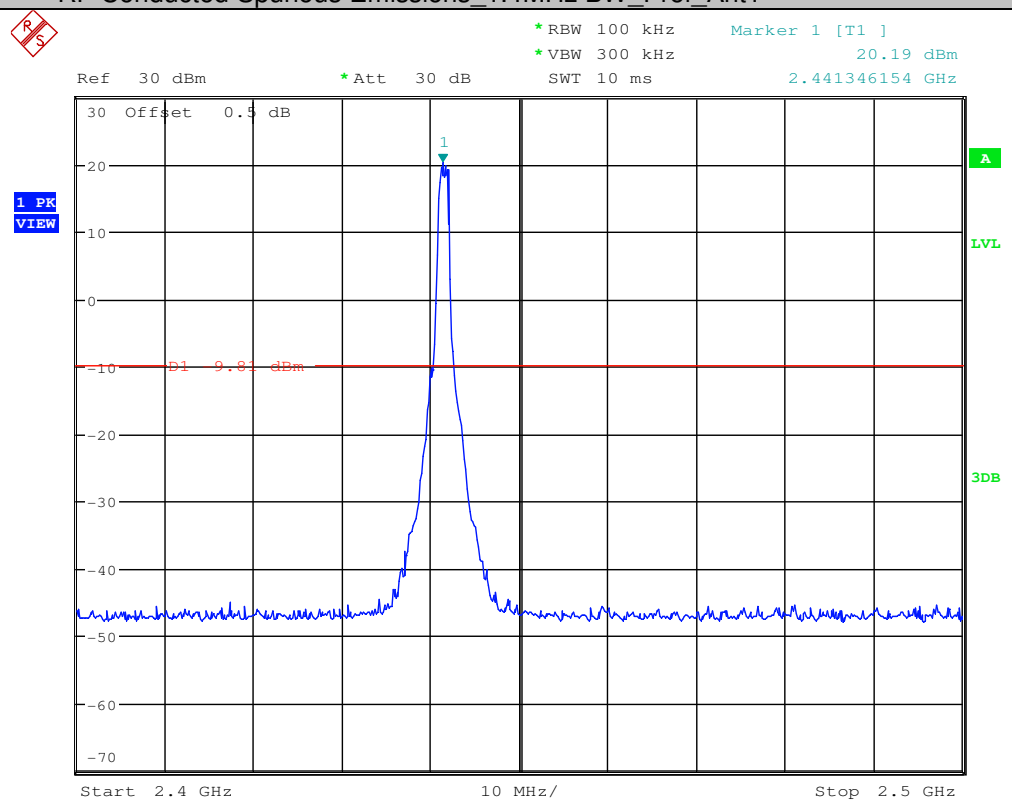
Band-edge for RF Conducted Emissions_20MHz BW_2472.5_Ant1



6.RF Conducted Spurious Emissions

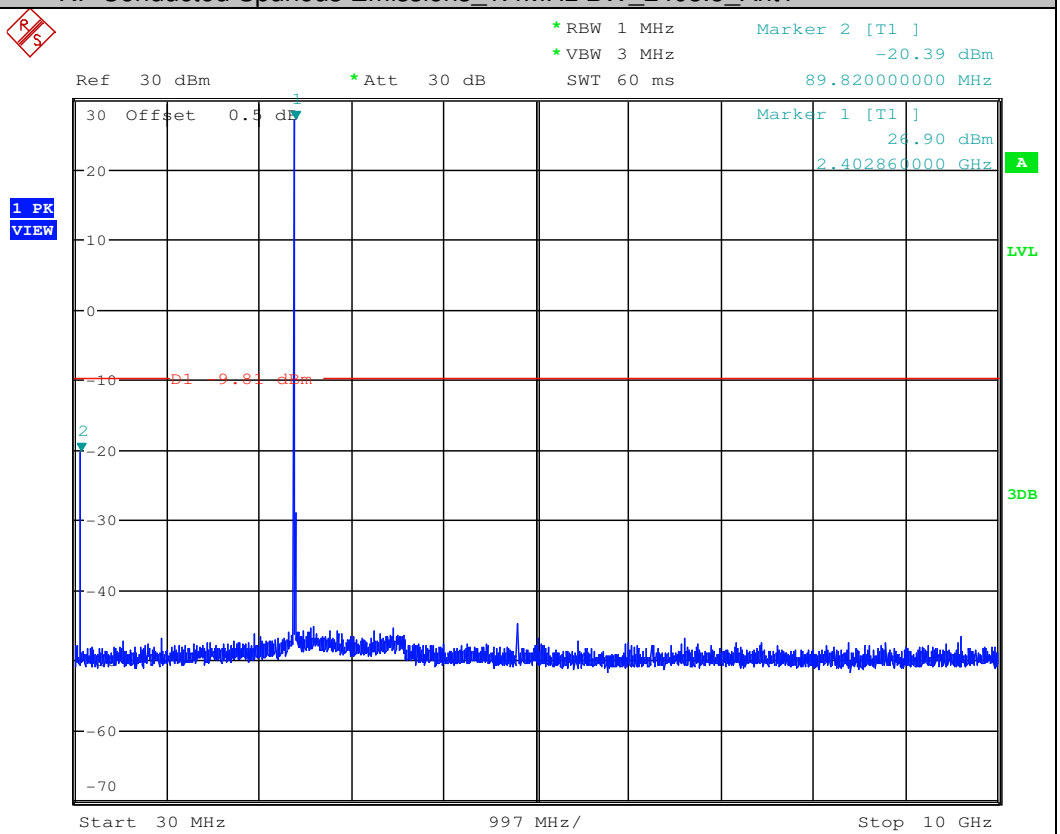
RF Conducted Spurious Emissions_1.4MHz BW_Pref_Ant1

Pref

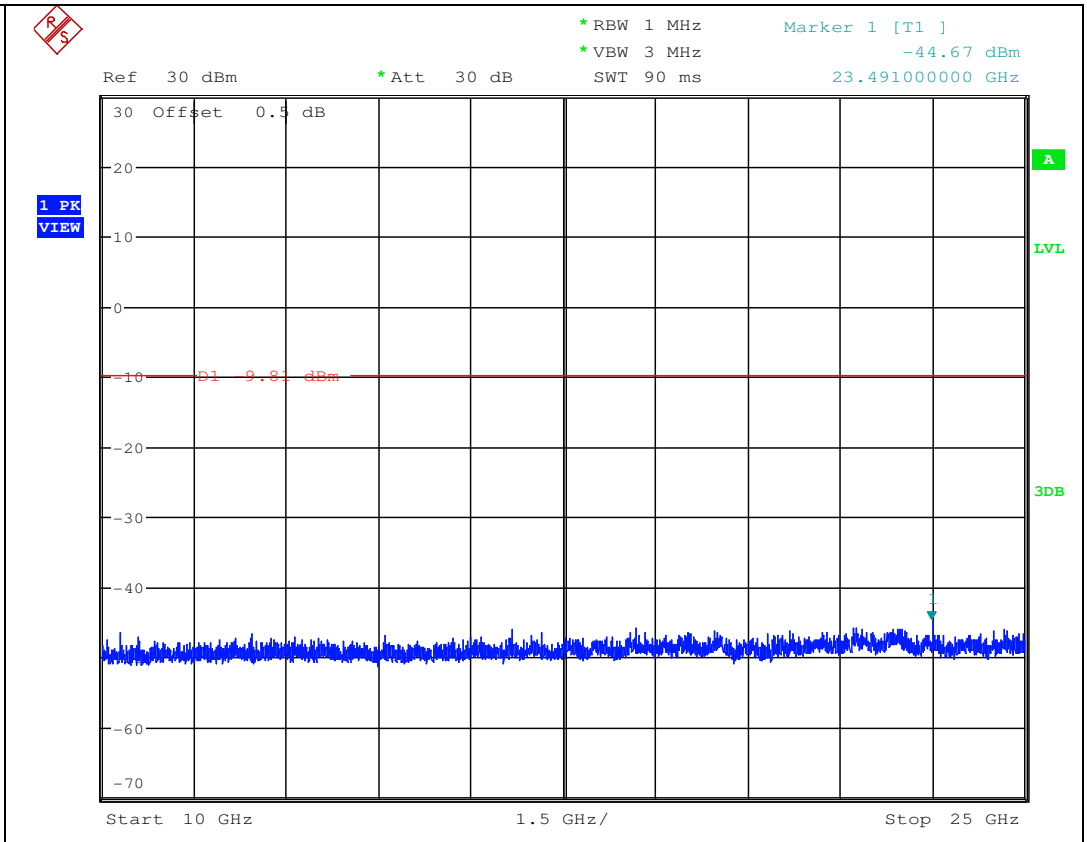


RF Conducted Spurious Emissions_1.4MHz BW_2403.5_Ant1

CSE_1

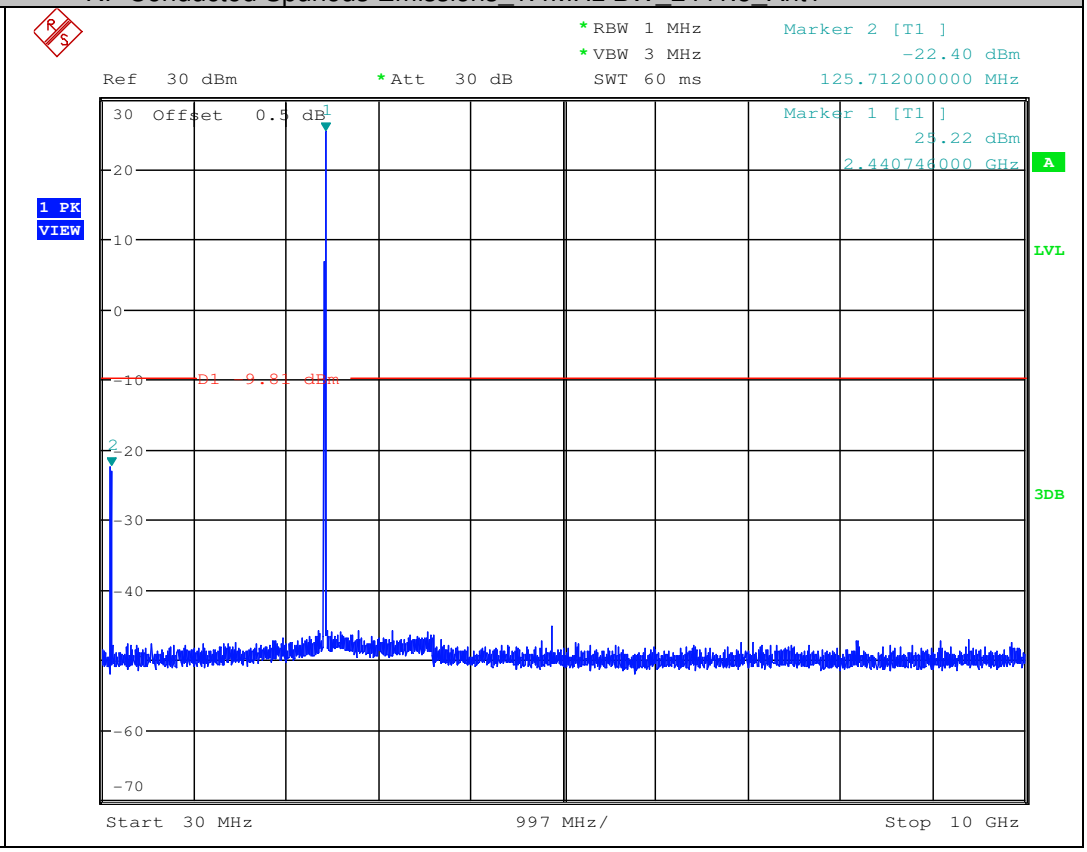


CSE_2

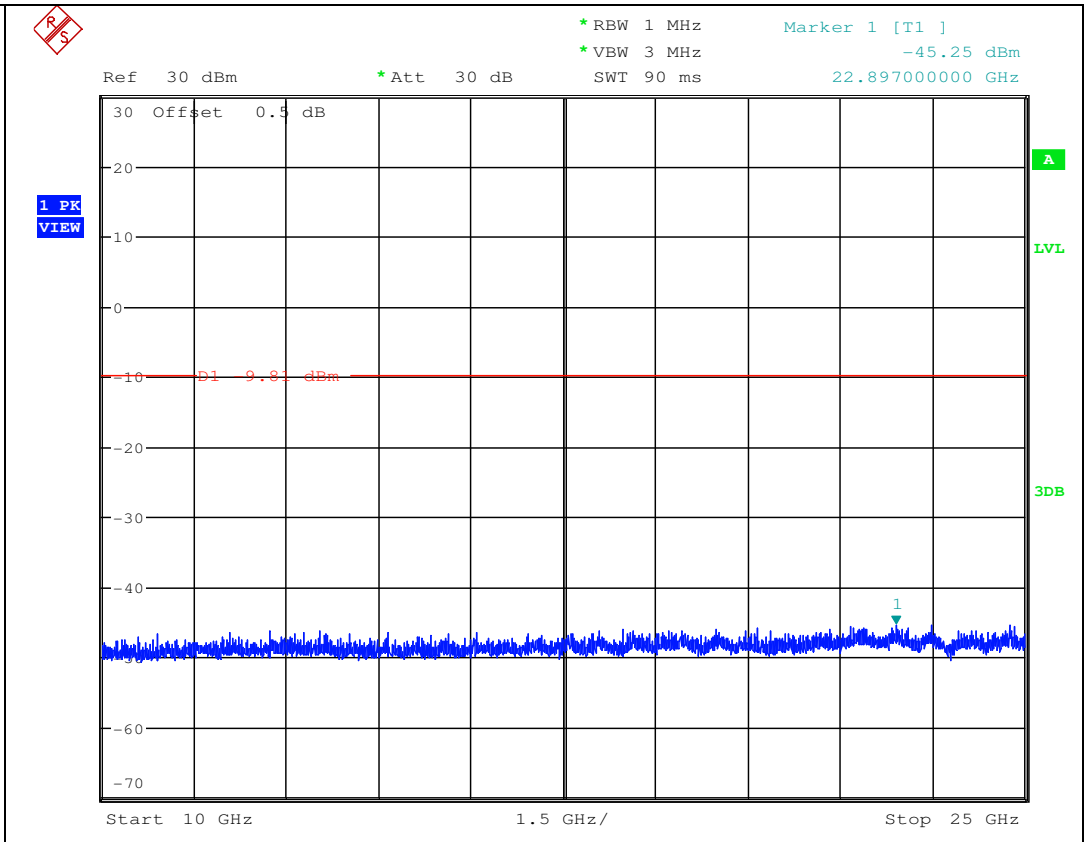


RF Conducted Spurious Emissions_1.4MHz BW_2441.5_Ant1

CSE_1

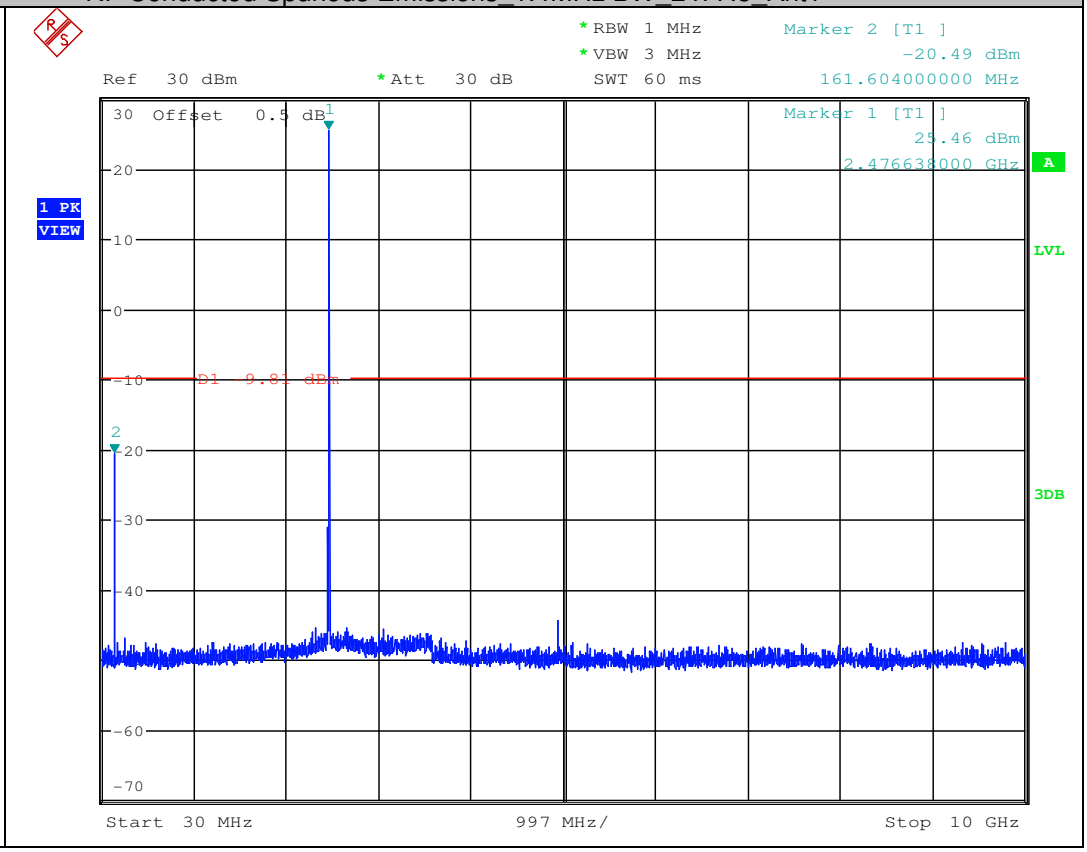


CSE_2

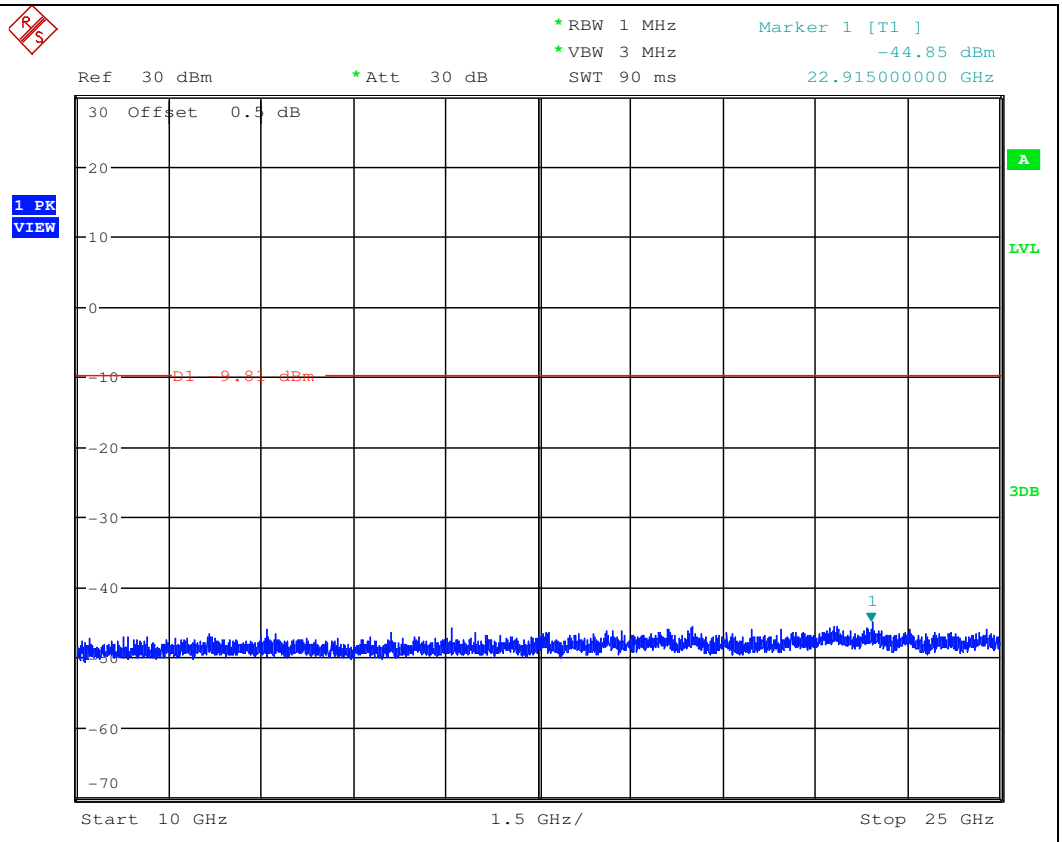


RF Conducted Spurious Emissions_1.4MHz BW_2477.5_Ant1

CSE_1

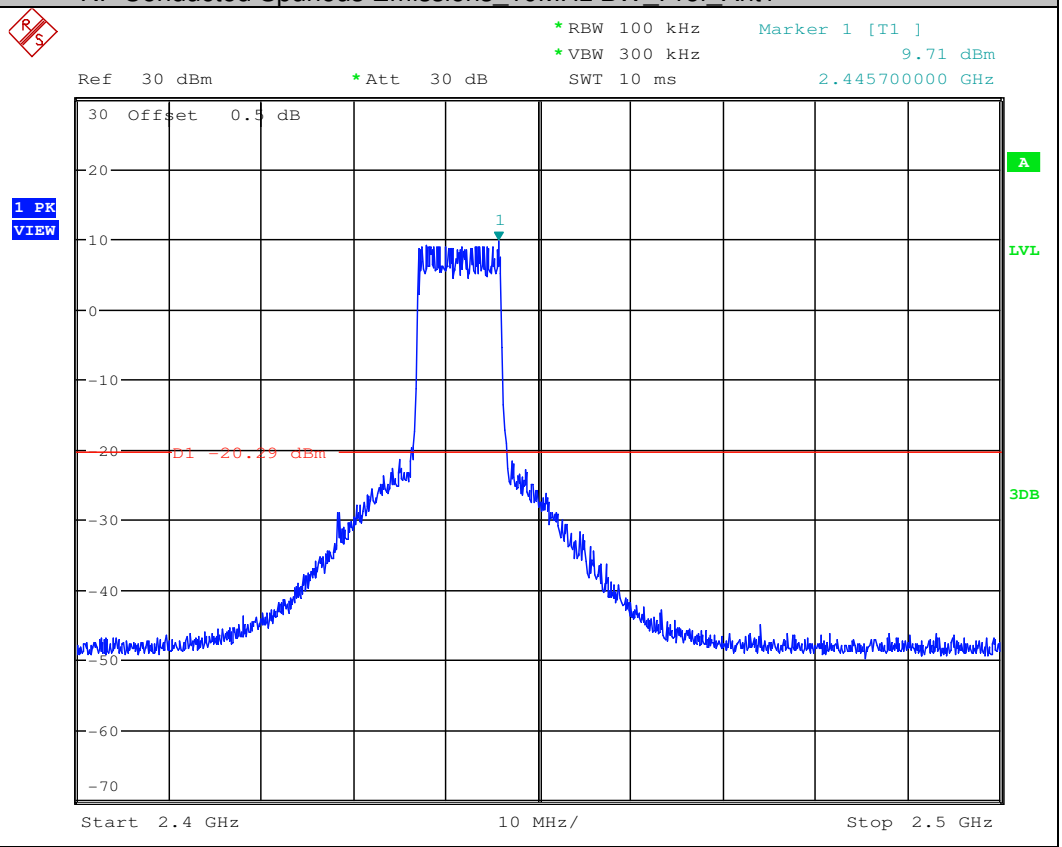


CSE_2



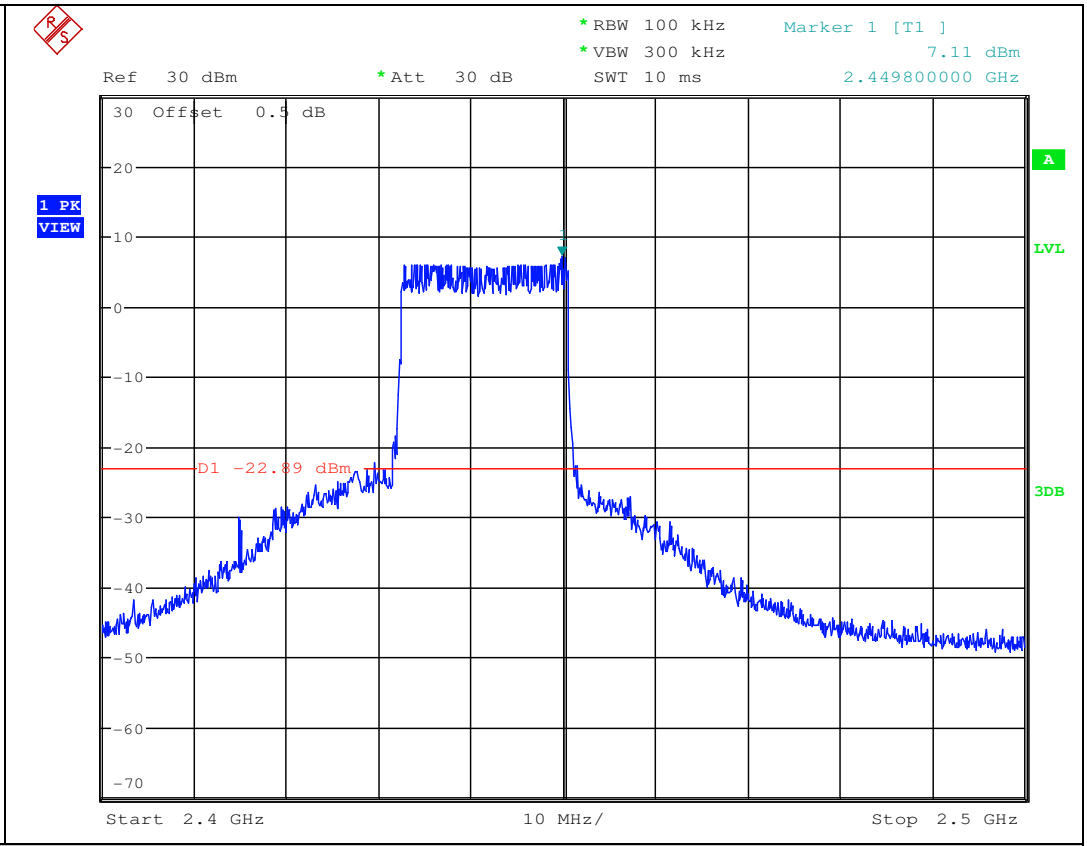
RF Conducted Spurious Emissions_10MHz BW_Pref_Ant1

Pref



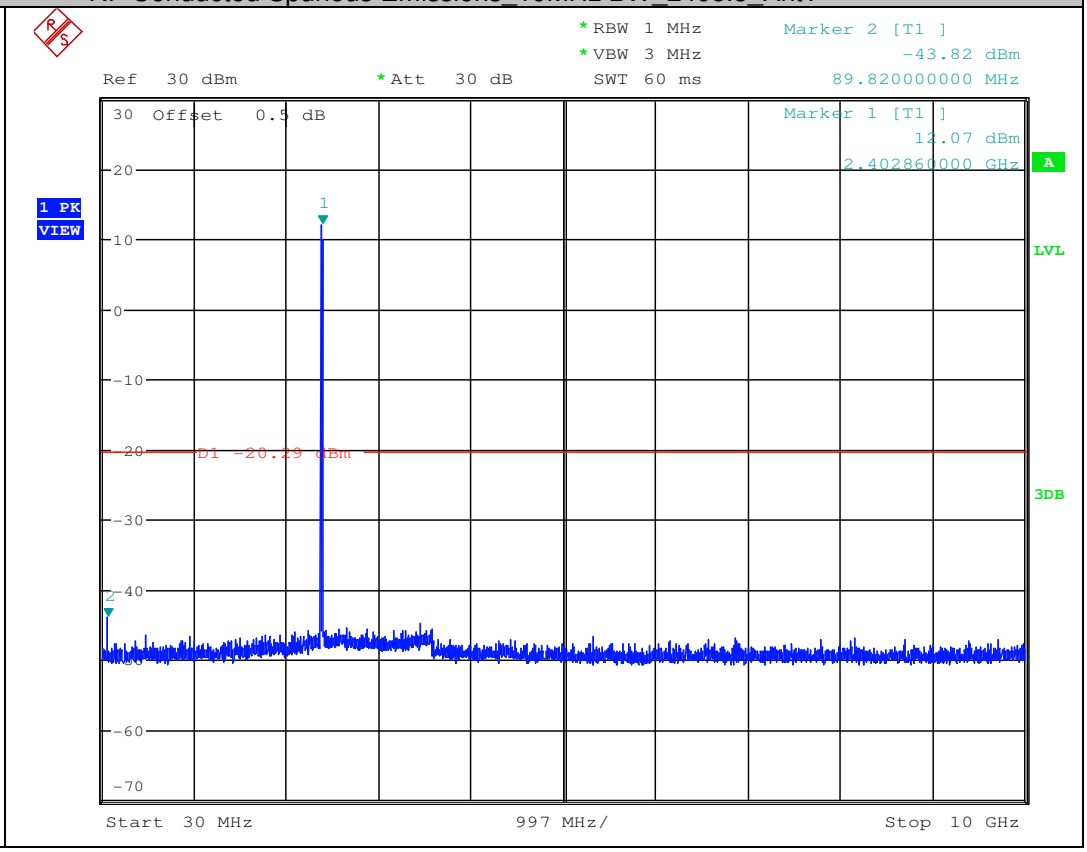
RF Conducted Spurious Emissions_20MHz BW_Pref_Ant1

Pref

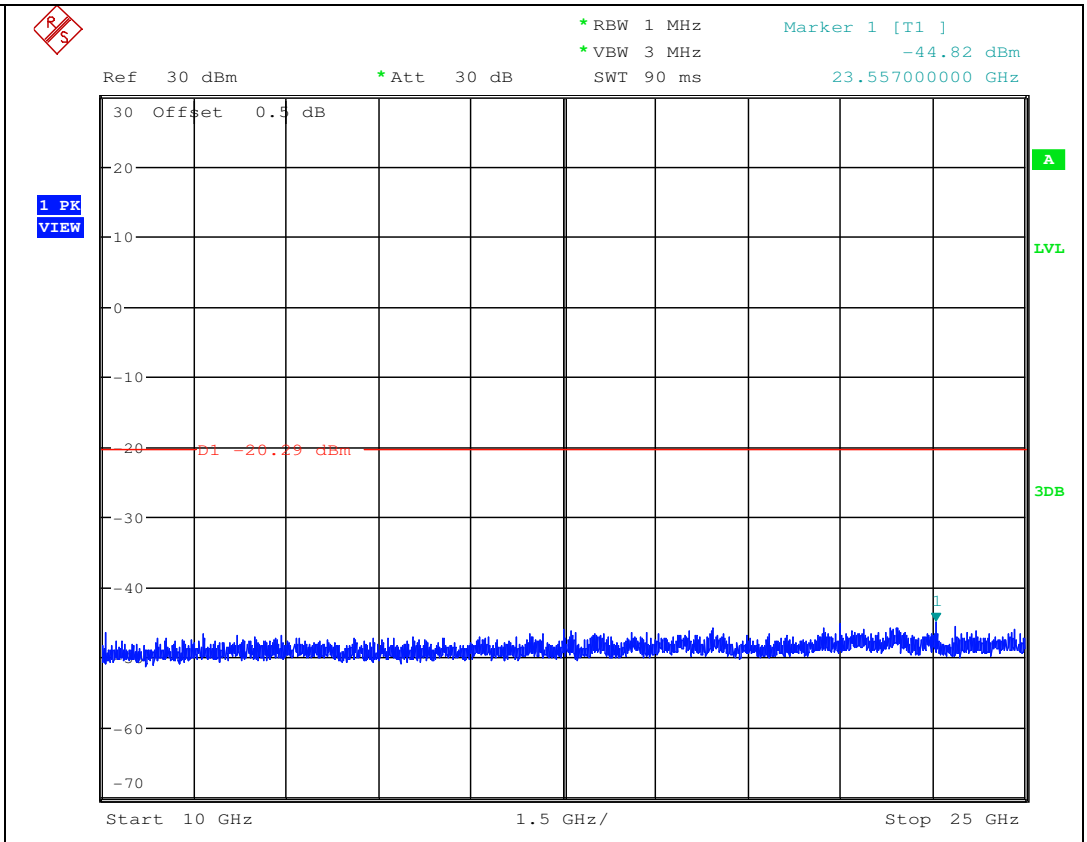


RF Conducted Spurious Emissions_10MHz BW_2405.5_Ant1

CSE_1

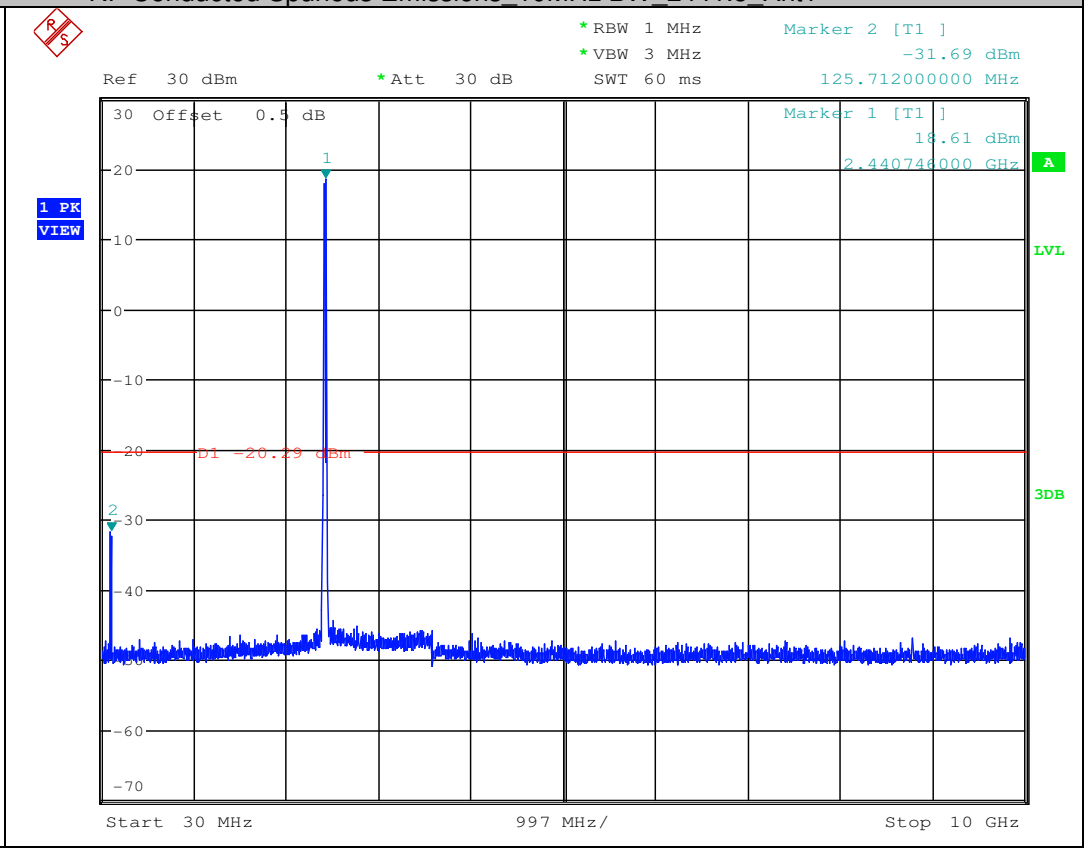


CSE_2

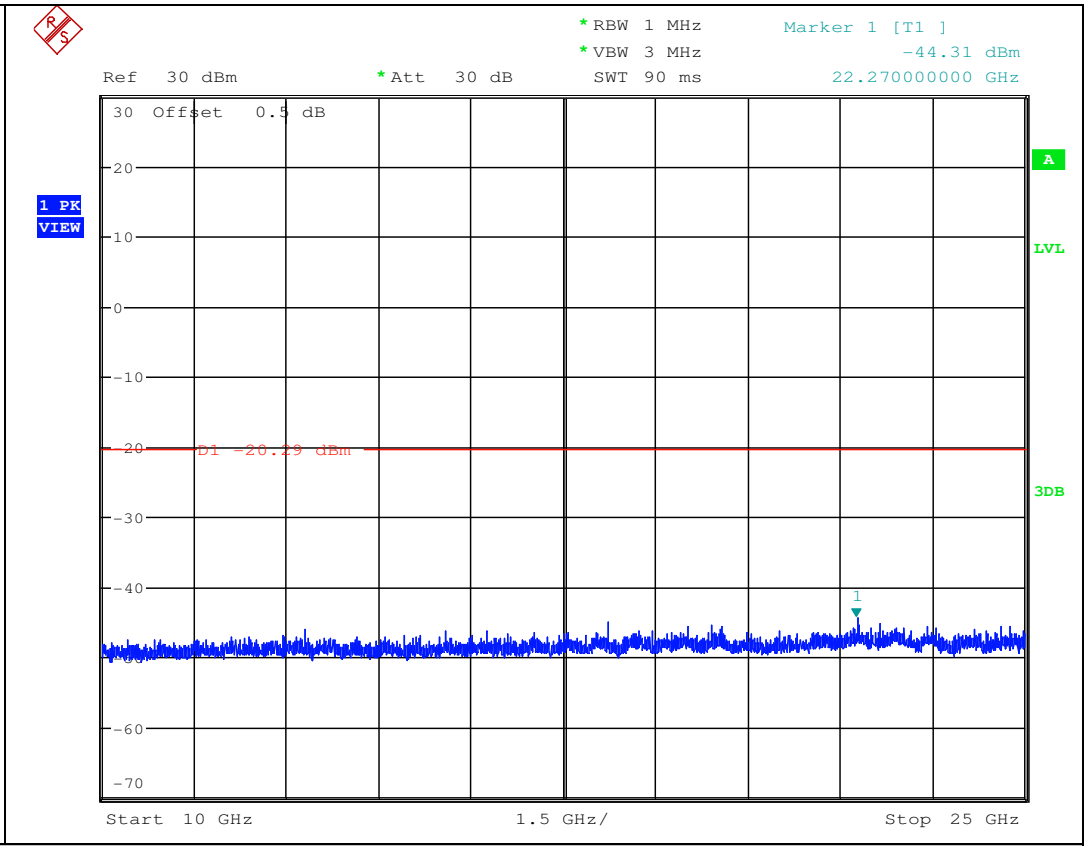


RF Conducted Spurious Emissions_10MHz BW_2441.5_Ant1

CSE_1

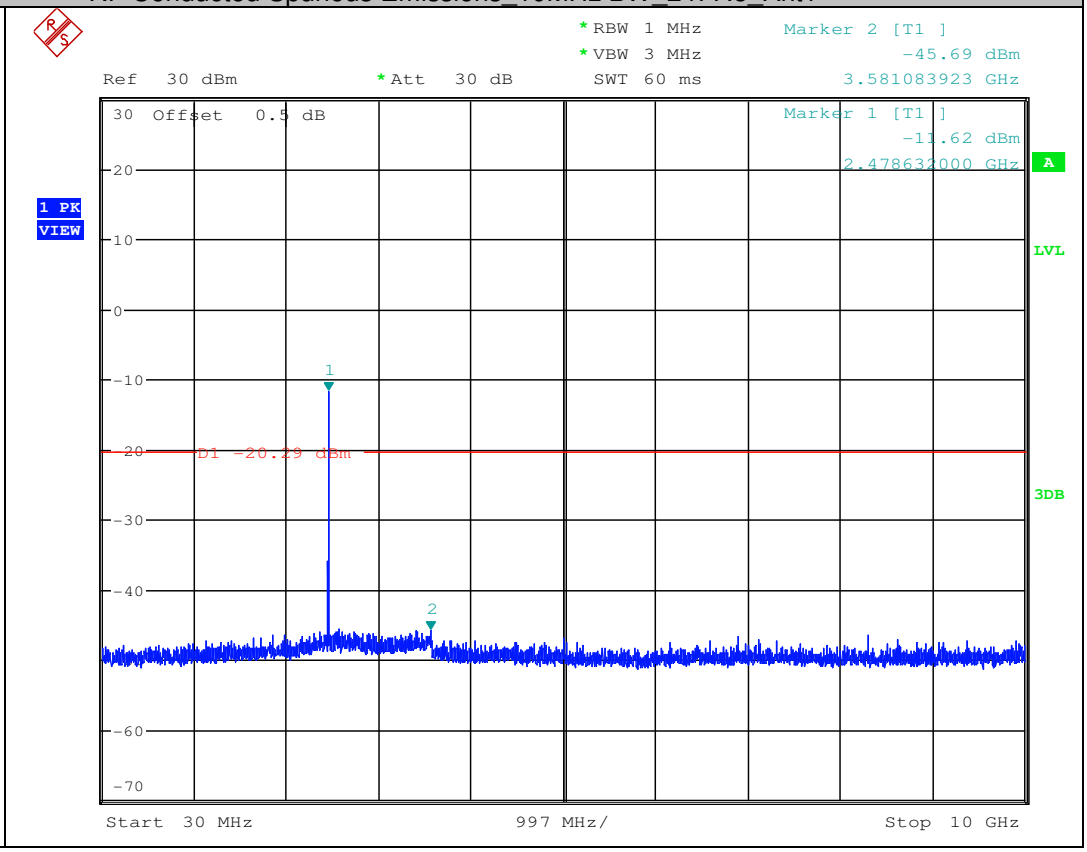


CSE_2

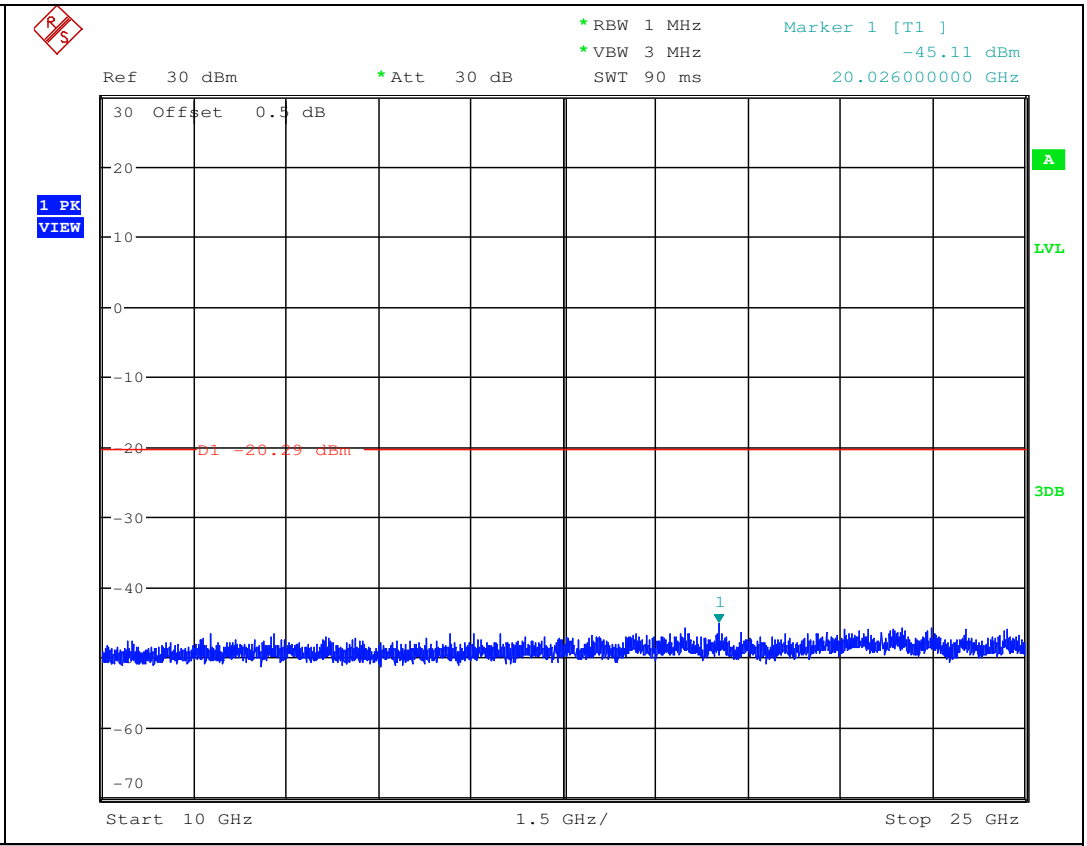


RF Conducted Spurious Emissions_10MHz BW_2477.5_Ant1

CSE_1

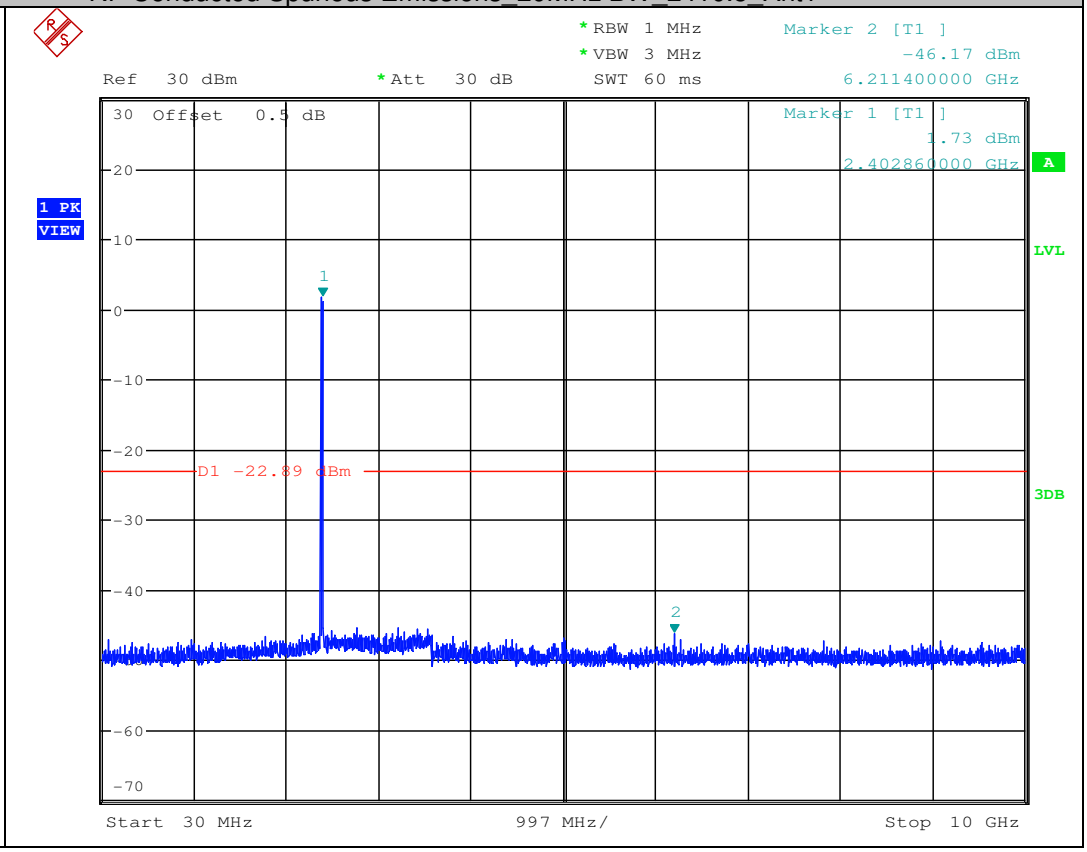


CSE_2

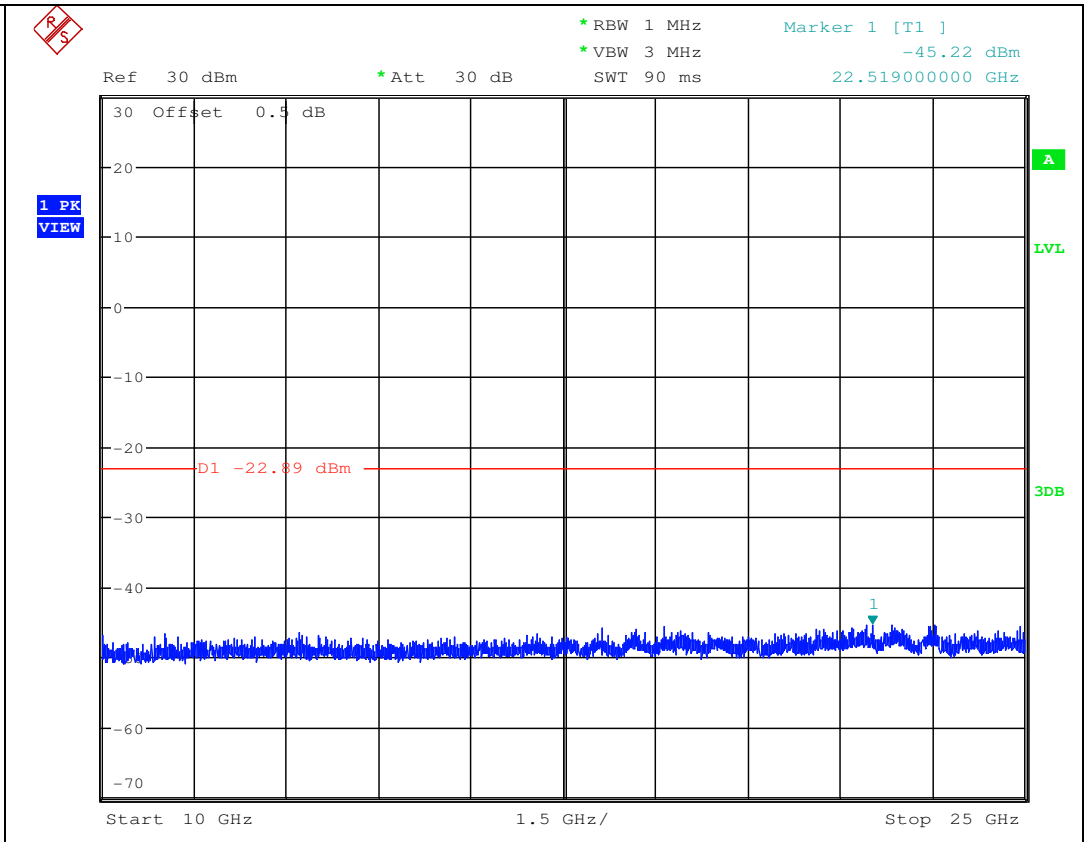


RF Conducted Spurious Emissions_20MHz BW_2410.5_Ant1

CSE_1

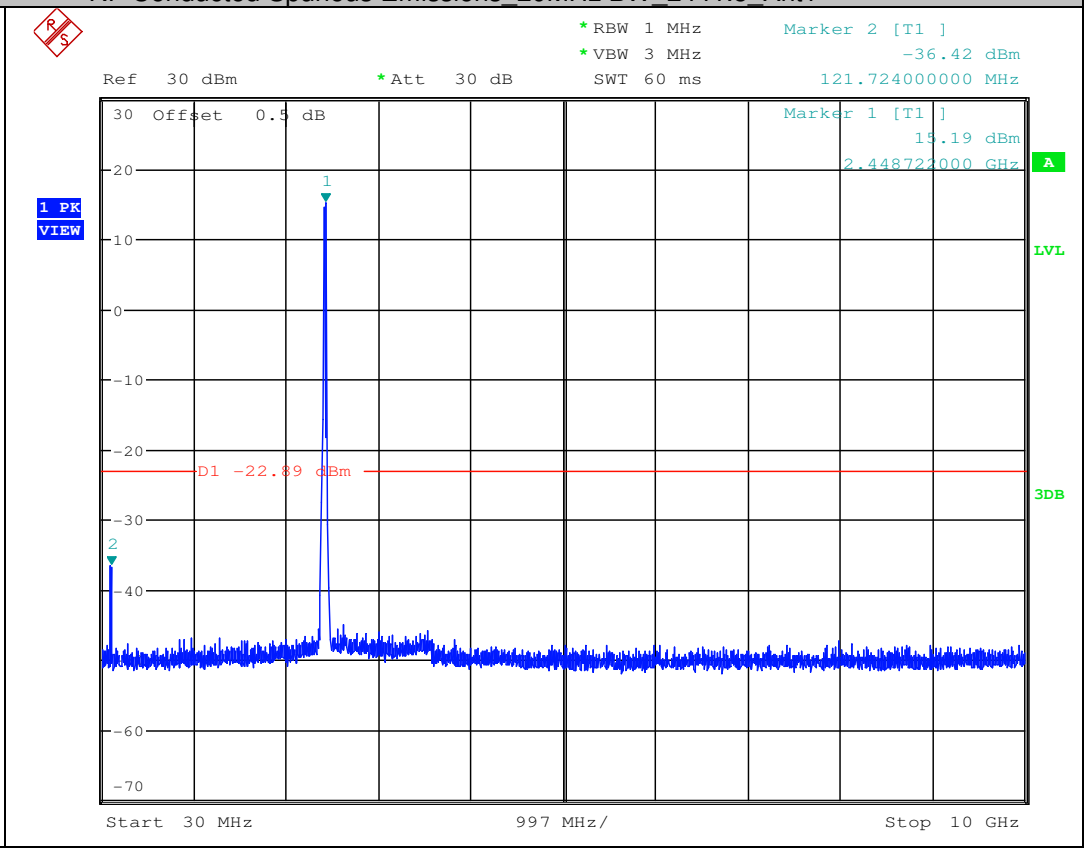


CSE_2

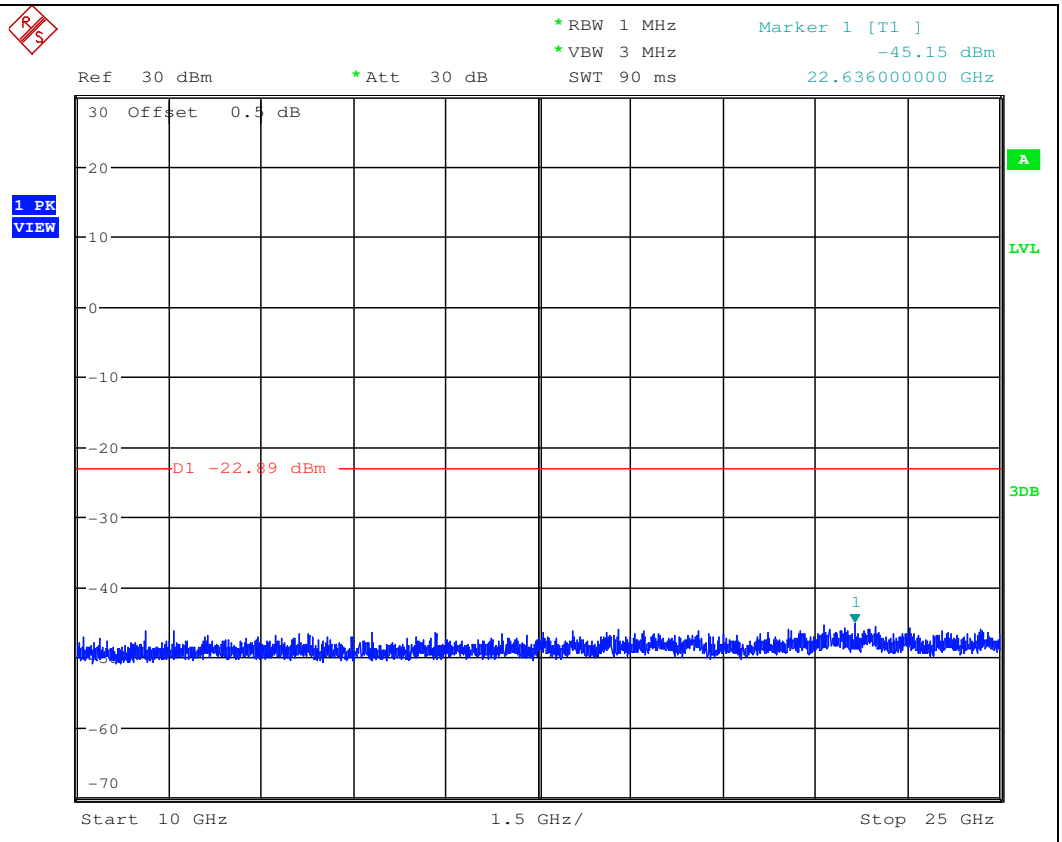


RF Conducted Spurious Emissions_20MHz BW_2441.5_Ant1

CSE_1

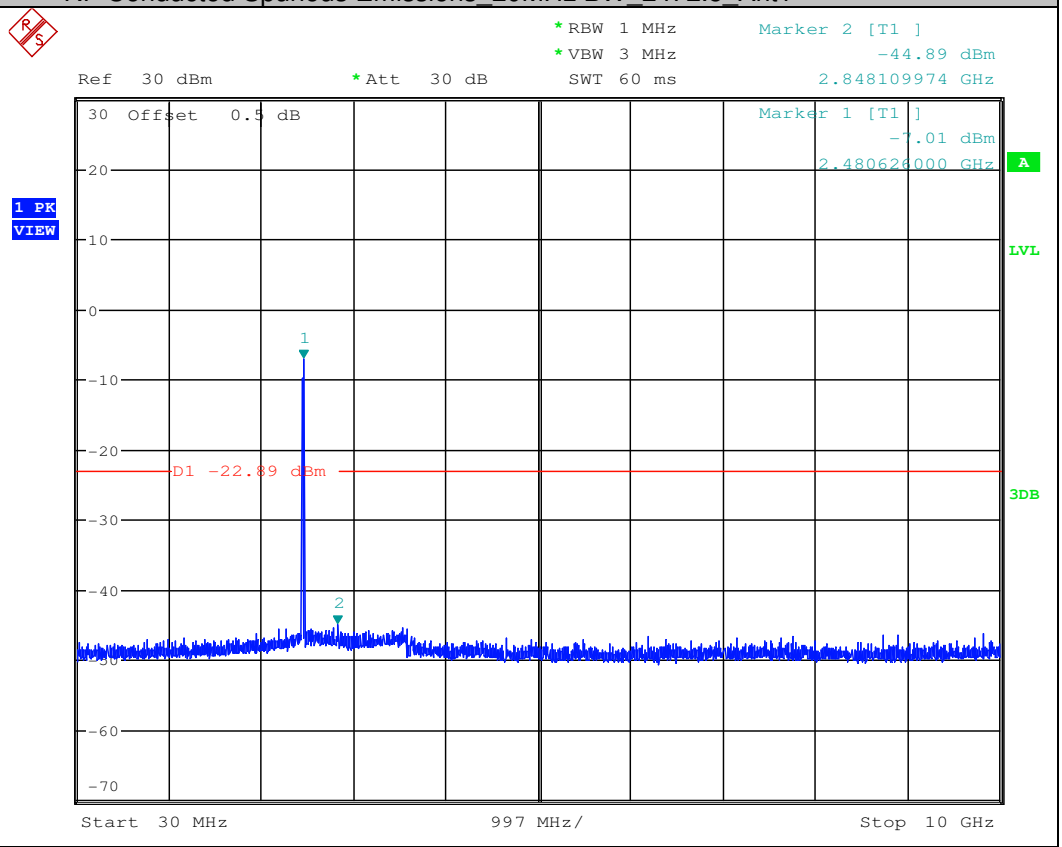


CSE_2

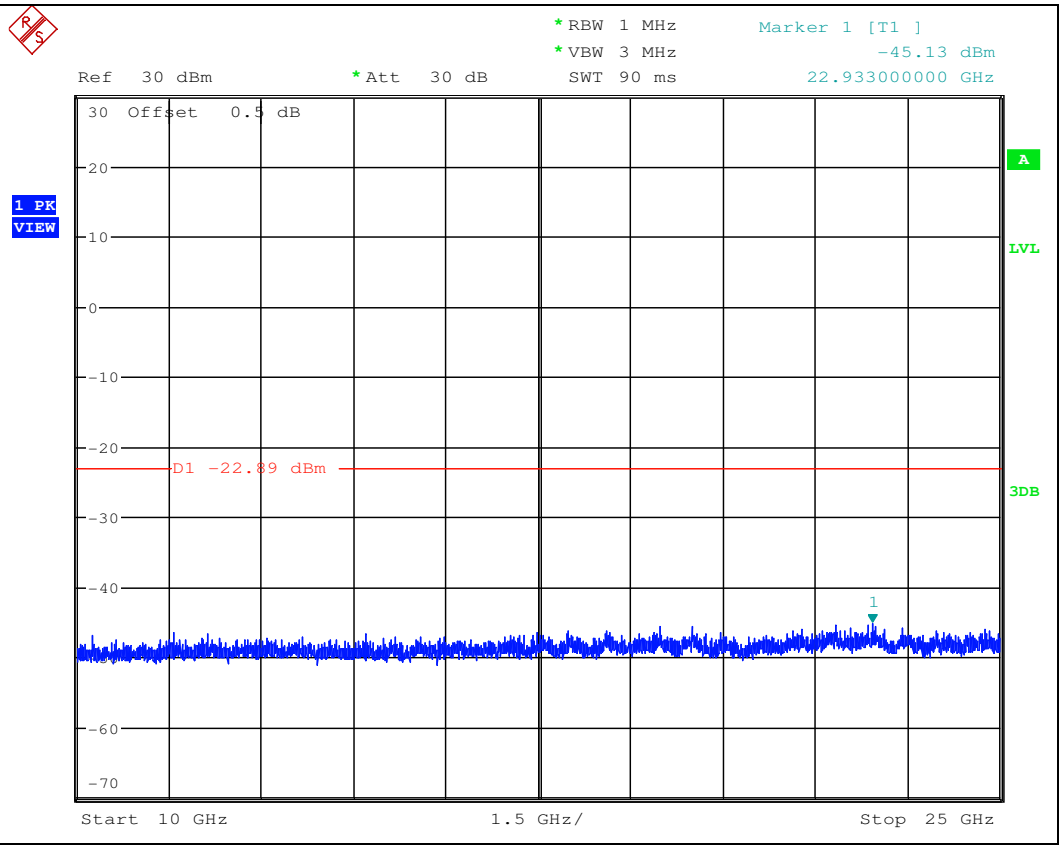


RF Conducted Spurious Emissions_20MHz BW_2472.5_Ant1

CSE_1



CSE_2



- End of the Report -