

TEST REPORT

Application No.: SZEM1912021060CR
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, Guangdong, China
Manufacturer: SZ DJI TECHNOLOGY CO., LTD.
Address of Manufacturer: 14th floor, West Wing, Skyworth Semiconductor Design Building NO.18
Gaoxin South 4th Ave, Nanshan, Shenzhen, Guangdong, China
Equipment Under Test (EUT):
EUT Name: MAVIC AIR 2
Model No.: MA2UE1N, MA2UE3W♣
♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade mark: DJI
FCC ID: SS3-MA2UE1N1911
IC: 11805A-MA2UE1N1911
Standard(s) : 47 CFR Part 15, Subpart C 15.247
RSS-247 Issue 2, February 2017
RSS-Gen Issue 5, March 2019
Date of Receipt: 2019-12-10
Date of Test: 2019-12-15 to 2019-12-30
Date of Issue: 2020-01-09

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu
EMC Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2020-01-09		Original

Authorized for issue by:			
			
		<hr/> Calvin Weng /Project Engineer	
			
		<hr/> Eric Fu /Reviewer	



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4) RSS-Gen Section 6.8	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
99% Bandwidth	RSS-247 Issue 2	ANSI C63.10 Section 6.9.3	RSS-Gen Section 6.7	Pass
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
Conducted Average Output Power	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2	ANSI C63.10 (2013) Section 11.9.1	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 11.12	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 8.10	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 Section 3.3 & RSS-Gen Section 8.9	Pass

Declaration of EUT Family Grouping:

Model No.: MA2UE1N, MA2UE3W

Only the model MA2UE3W was tested, since the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, the only difference is: there are extra ADS-B RF circuit and antenna on the MA2UE3W, and no this circuit on the MA2UE1N.

The ESC Solution (ESC PCBA) is different between these two models, a magnetically permeable sheet is added on the plastic upper shell of MA2UE1N but no magnetically permeable sheet on the MA2UE3W.



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4 General Information

4.1 Details of E.U.T.

Power Supply:	DC11.55V by lithium-ion Polymer battery(3500mAh)
Cable:	USB type A to C cable: 0.5m shielded cable without ferrite core Power Adapter cable: 1m unshielded cable without ferrite core
Operation Frequency:	1.4MHz BW: 2407.5MHz ~ 2465.5MHz 1.4MHz BW CA: 2409.12MHz ~ 2467.12MHz 3MHz BW: 2417.5MHz to 2456.5MHz 10MHz BW: 2405.5MHz to 2476.5MHz 20MHz BW: 2410.5MHz to 2472.5MHz
Modulation Type:	1.4MHz BW: OFDM 1.4MHz BW CA: OFDM 3MHz BW: OFDM 10MHz BW: OFDM 20MHz BW: OFDM
Number of Channels:	1.4MHz BW: 30 1.4MHz BW CA: 30 3MHz BW: 14 10MHz BW: 72 20MHz BW: 63
Channel Spacing:	1.4MHz BW: 2MHz 1.4MHz BW CA: 2MHz 3MHz BW: 3MHz 10MHz BW: 1MHz 20MHz BW: 1MHz
Antenna Type:	PCB antenna
Antenna Gain:	1.5dBi

Channel List and nominal power for 1.4MHz BW

CH No.	Fre. (MHz)	CH No.	Fre. (MHz)	CH No.	Fre. (MHz)
1 ^{a b c}	2407.5	11	2427.5	21	2447.5
2	2409.5	12	2429.5	22	2449.5
3	2411.5	13	2431.5	23	2451.5
4	2413.5	14	2433.5	24	2453.5
5	2415.5	15	2435.5	25	2455.5
6	2417.5	16	2437.5	26	2457.5
7	2419.5	17	2439.5	27	2459.5
8	2421.5	18 ^{a b c}	2441.5	28	2461.5
9	2423.5	19	2443.5	29	2463.5
10	2425.5	20	2445.5	30 ^{a b c}	2465.5

Note a: Channels chosen for RF conducted test.



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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 1.4MHz CA BW

CH No.	Fre. (MHz)	CH No.	Fre. (MHz)	CH No.	Fre. (MHz)
1 ^{abc}	2409.12	11	2429.12	21	2449.12
2	2411.12	12	2431.12	22	2451.12
3	2413.12	13	2433.12	23	2453.12
4	2415.12	14	2435.12	24	2455.12
5	2417.12	15	2437.12	25	2457.12
6	2419.12	16	2439.12	26	2459.12
7	2421.12	17	2441.12	27	2461.12
8	2423.12	18 ^{abc}	2443.12	28	2463.12
9	2425.12	19	2445.12	29	2465.12
10	2427.12	20	2447.12	30 ^{abc}	2467.12

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 3MHz BW

CH No.	Fre. (MHz)	CH No.	Fre. (MHz)	CH No.	Fre. (MHz)
1 ^{abc}	2417.5	6	2432.5	11	2447.5
2	2420.5	7	2435.5	12	2450.5
3	2423.5	8	2438.5	13	2453.5
4	2426.5	9 ^{abc}	2441.5	14 ^{abc}	2456.5
5	2429.5	10	2444.5		

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



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

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



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

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	$\pm 7.25 \times 10^{-8}$
2	Duty cycle	$\pm 0.37\%$
3	Occupied Bandwidth	$\pm 3\%$
4	RF conducted power	$\pm 0.75\text{dB}$
5	RF power density	$\pm 2.84\text{dB}$
6	Conducted Spurious emissions	$\pm 0.75\text{dB}$
7	RF Radiated power	$\pm 4.5\text{dB}$ (Below 1GHz)
		$\pm 4.8\text{dB}$ (Above 1GHz)
8	Radiated Spurious emission test	$\pm 4.5\text{dB}$ (Below 1GHz)
		$\pm 4.8\text{dB}$ (Above 1GHz)
9	Temperature test	$\pm 1^\circ\text{C}$
10	Humidity test	$\pm 3\%$
11	Supply voltages	$\pm 1.5\%$
12	Time	$\pm 3\%$



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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:

- **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.

- **Innovation, Science and Economic Development Canada**

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

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



5 Equipment List

99% Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	SAEMC	MSR733	SEM001-09	2019-06-13	2022-06-12
DC Power Supply	Zhao Xin	KXN-6020D	SEM011-08	2019-09-24	2020-09-23
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2019-09-24	2020-09-23
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2019-07-11	2020-07-10
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2019-09-24	2020-09-23
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2019-09-24	2020-09-23
Electric and Magnetic Field Analyzer	Narda	NBM-550/EHP-50F	EMC2143	2018-02-07	2020-02-06
Electric Field Probe (100KHz-3GHz)	WANDEL & GOLTERMANN	EMR-20	EMC0907	2019-05-21	2020-05-20
EMF Tester	Narda	ELT-400	SZE039-4	2019-07-08	2020-07-07

Minimum 6dB Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	SAEMC	MSR733	SEM001-09	2019-06-13	2022-06-12
DC Power Supply	Zhao Xin	KXN-6020D	SEM011-08	2019-09-24	2020-09-23
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2019-09-24	2020-09-23
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2019-07-11	2020-07-10
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2019-09-24	2020-09-23
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2019-09-24	2020-09-23
Electric and Magnetic Field Analyzer	Narda	NBM-550/EHP-50F	EMC2143	2018-02-07	2020-02-06
Electric Field Probe (100KHz-3GHz)	WANDEL & GOLTERMANN	EMR-20	EMC0907	2019-05-21	2020-05-20
EMF Tester	Narda	ELT-400	SZE039-4	2019-07-08	2020-07-07

Conducted Average Output Power					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	SAEMC	MSR733	SEM001-09	2019-06-13	2022-06-12
DC Power Supply	Zhao Xin	KXN-6020D	SEM011-08	2019-09-24	2020-09-23
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2019-09-24	2020-09-23



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Power Sensor	KEYSIGHT	U2021XA	SEM009-13	2019-04-12	2020-04-11
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2019-07-11	2020-07-10
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2019-09-24	2020-09-23
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2019-09-24	2020-09-23
Electric and Magnetic Field Analyzer	Narda	NBM-550/EHP-50F	EMC2143	2018-02-07	2020-02-06
Electric Field Probe (100KHz-3GHz)	WANDEL & GOLTERMANN	EMR-20	EMC0907	2019-05-21	2020-05-20
EMF Tester	Narda	ELT-400	SZE039-4	2019-07-08	2020-07-07

Power Spectrum Density					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	SAEMC	MSR733	SEM001-09	2019-06-13	2022-06-12
DC Power Supply	Zhao Xin	KXN-6020D	SEM011-08	2019-09-24	2020-09-23
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2019-09-24	2020-09-23
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2019-07-11	2020-07-10
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2019-09-24	2020-09-23
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2019-09-24	2020-09-23
Electric and Magnetic Field Analyzer	Narda	NBM-550/EHP-50F	EMC2143	2018-02-07	2020-02-06
Electric Field Probe (100KHz-3GHz)	WANDEL & GOLTERMANN	EMR-20	EMC0907	2019-05-21	2020-05-20
EMF Tester	Narda	ELT-400	SZE039-4	2019-07-08	2020-07-07

Conducted Band Edges Measurement					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	SAEMC	MSR733	SEM001-09	2019-06-13	2022-06-12
DC Power Supply	Zhao Xin	KXN-6020D	SEM011-08	2019-09-24	2020-09-23
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2019-09-24	2020-09-23
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2019-07-11	2020-07-10
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2019-09-24	2020-09-23
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2019-09-24	2020-09-23



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Electric and Magnetic Field Analyzer	Narda	NBM-550/EHP-50F	EMC2143	2018-02-07	2020-02-06
Electric Field Probe (100KHz-3GHz)	WANDEL & GOLTERMANN	EMR-20	EMC0907	2019-05-21	2020-05-20
EMF Tester	Narda	ELT-400	SZE039-4	2019-07-08	2020-07-07

Conducted Spurious Emissions

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	SAEMC	MSR733	SEM001-09	2019-06-13	2022-06-12
DC Power Supply	Zhao Xin	KXN-6020D	SEM011-08	2019-09-24	2020-09-23
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2019-09-24	2020-09-23
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2019-07-11	2020-07-10
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2019-09-24	2020-09-23
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2019-09-24	2020-09-23
Electric and Magnetic Field Analyzer	Narda	NBM-550/EHP-50F	EMC2143	2018-02-07	2020-02-06
Electric Field Probe (100KHz-3GHz)	WANDEL & GOLTERMANN	EMR-20	EMC0907	2019-05-21	2020-05-20
EMF Tester	Narda	ELT-400	SZE039-4	2019-07-08	2020-07-07

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	2019-07-11	2020-07-10
EXA Spectrum Analyzer	Agilent Technologies Inc	N9010A	SEM004-12	2019-04-12	2020-04-11
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 (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2019-09-24	2020-09-23
Pre-amplifier (18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2019-04-01	2020-03-31



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Pre-amplifier (26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2019-04-01	2020-03-31
DC Power Supply	Zhao Xin	KXN-6020D	SEM011-08	2019-09-24	2020-09-23
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21

RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date	Cal. Due date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017-08-05	2020-08-04
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2019-09-24	2020-09-23
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017-06-27	2020-06-26
Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2019-04-01	2020-03-31
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2019-07-11	2020-07-10
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	2019-07-11	2020-07-10
EXA Spectrum Analyzer	Agilent Technologies Inc	N9010A	SEM004-12	2019-04-12	2020-04-11
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 (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2019-09-24	2020-09-23
Pre-amplifier (18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2019-04-01	2020-03-31
Pre-amplifier (26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2019-04-01	2020-03-31
DC Power Supply	Zhao Xin	KXN-6020D	SEM011-08	2019-09-24	2020-09-23
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date



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Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2019-09-26	2020-09-25
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2019-09-26	2020-09-25
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2019-09-26	2020-09-25
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2019-04-04	2020-04-03



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4); RSS-Gen Section 6.8

6.1.2 Conclusion

Standard Requirement:

Testing shall be performed using the highest gain antenna of each combination of licence-exempt transmitter and antenna type, with the transmitter output power set at the maximum level. When a measurement at the antenna connector is used to determine RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna manufacturer.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 1.5dBi.

Antenna location: Refer to Internal photos



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

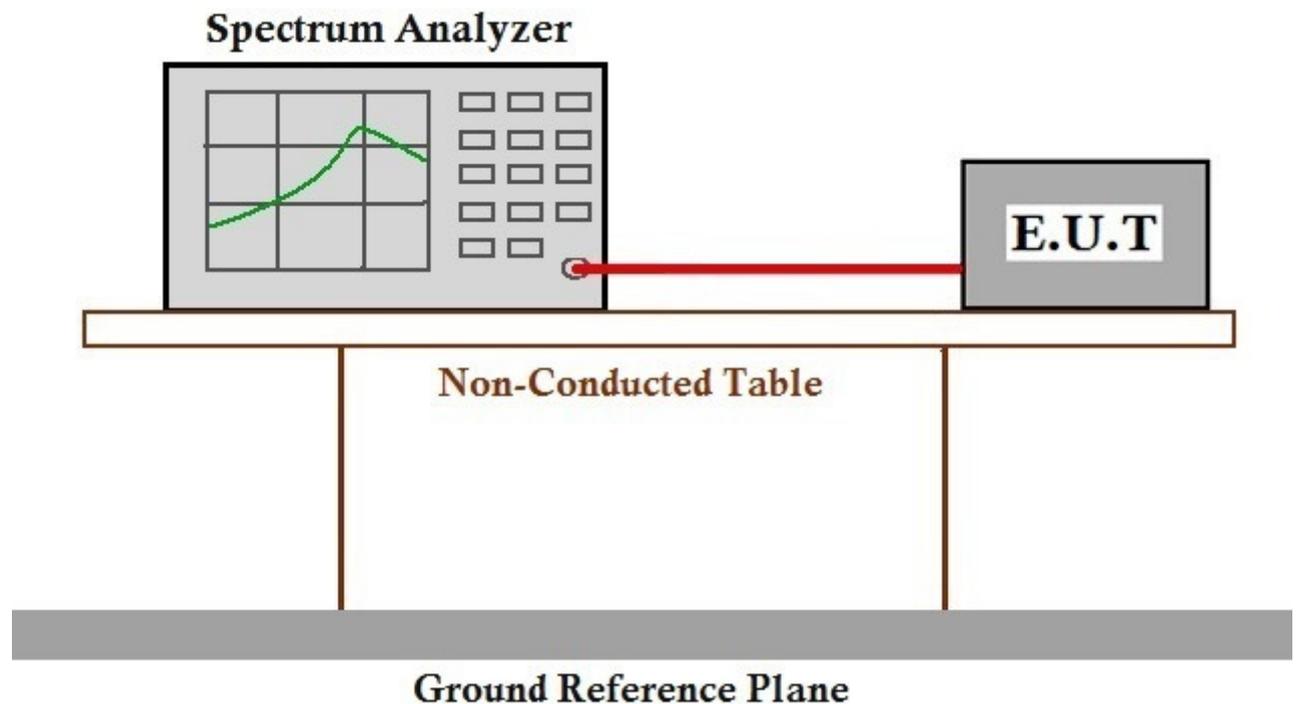
7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.1 °C Humidity: 56.9 % RH Atmospheric Pressure: 1015 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 RSS247



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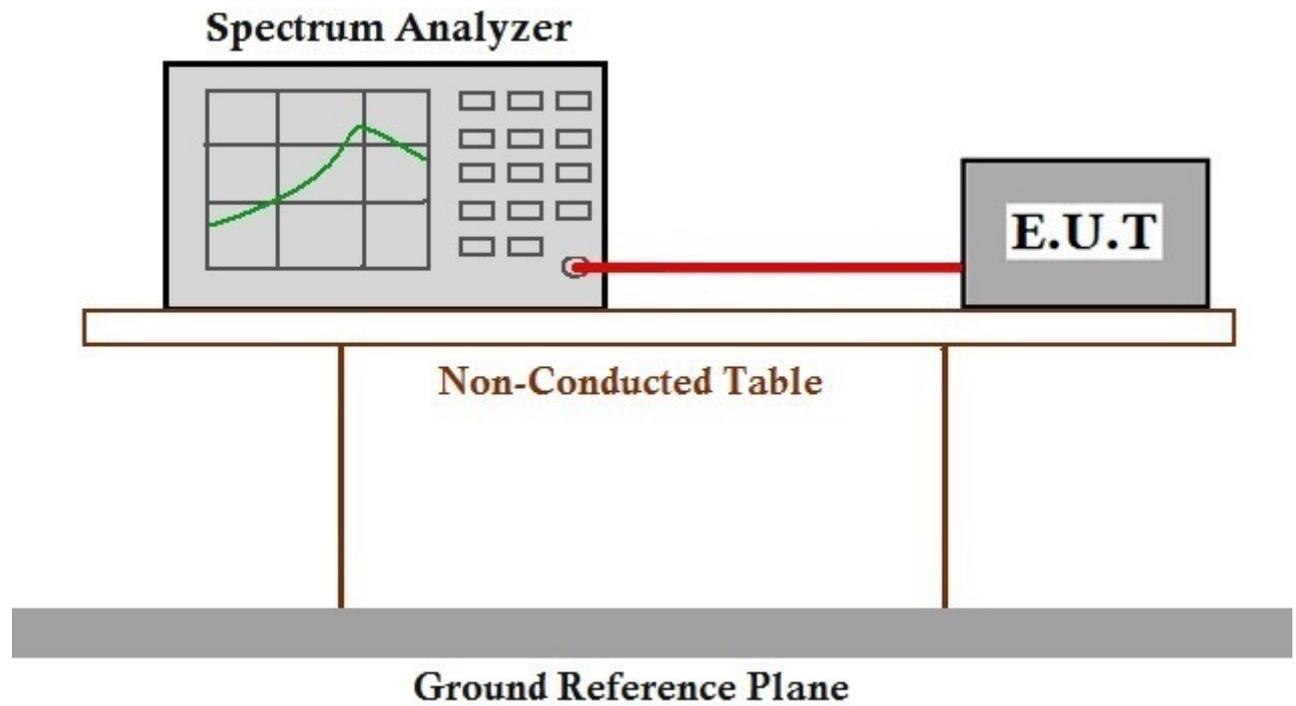
7.2 Minimum 6dB Bandwidth

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: 22.1 °C Humidity: 56.9 % RH Atmospheric Pressure: 1015 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 RSS247



7.3 Conducted Average Output Power

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 11.9.1

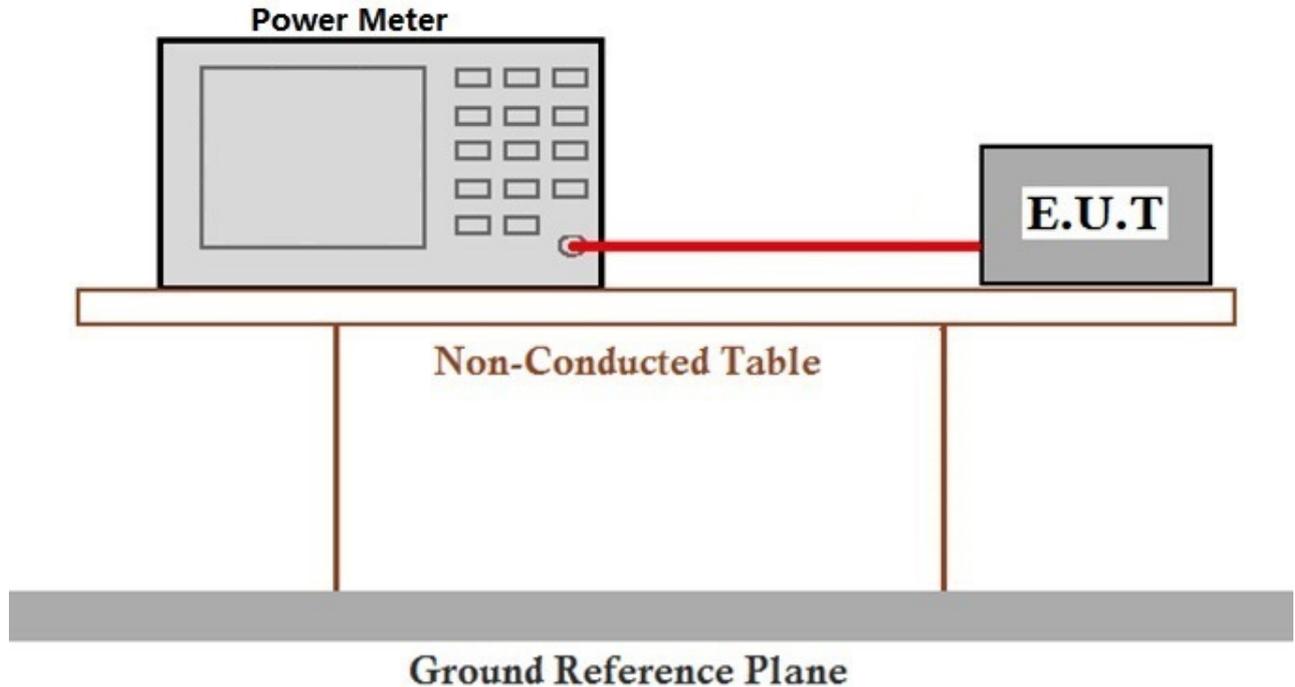
7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22.1 °C Humidity: 56.9 % RH Atmospheric Pressure: 1015 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 RSS247



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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

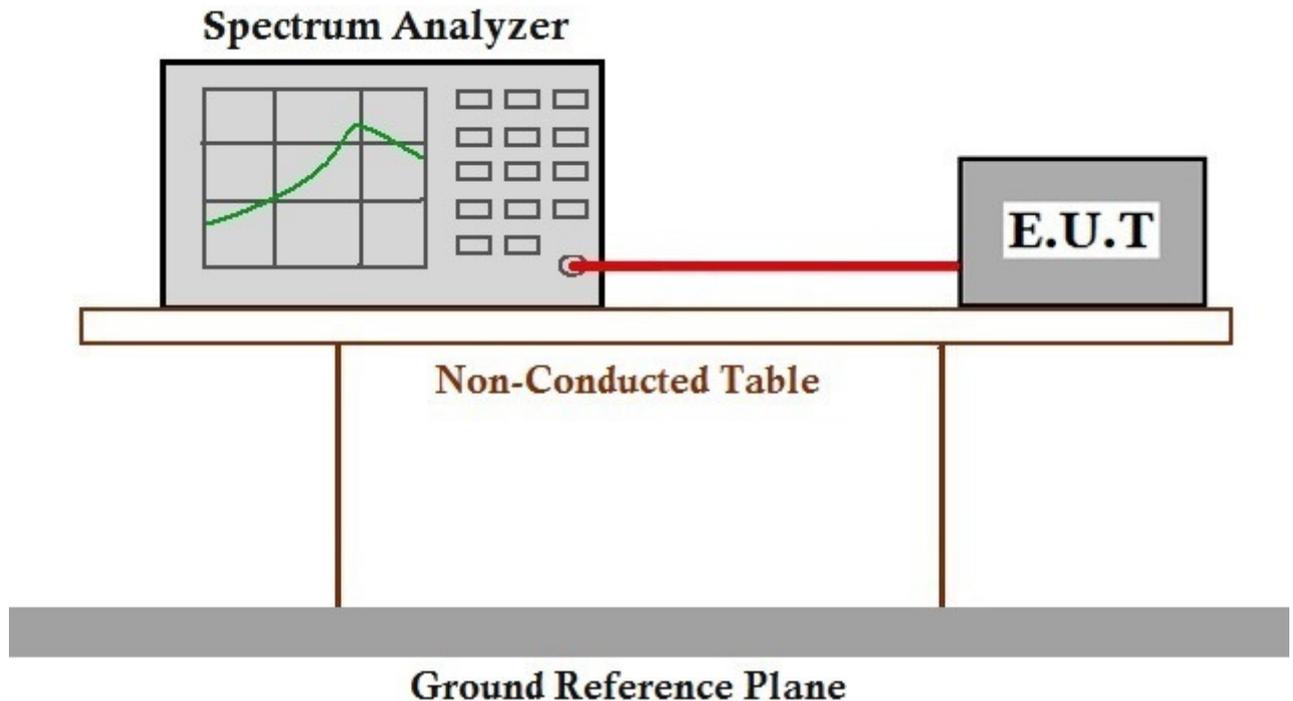
7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.1 °C Humidity: 56.9 % RH Atmospheric Pressure: 1015 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 RSS247



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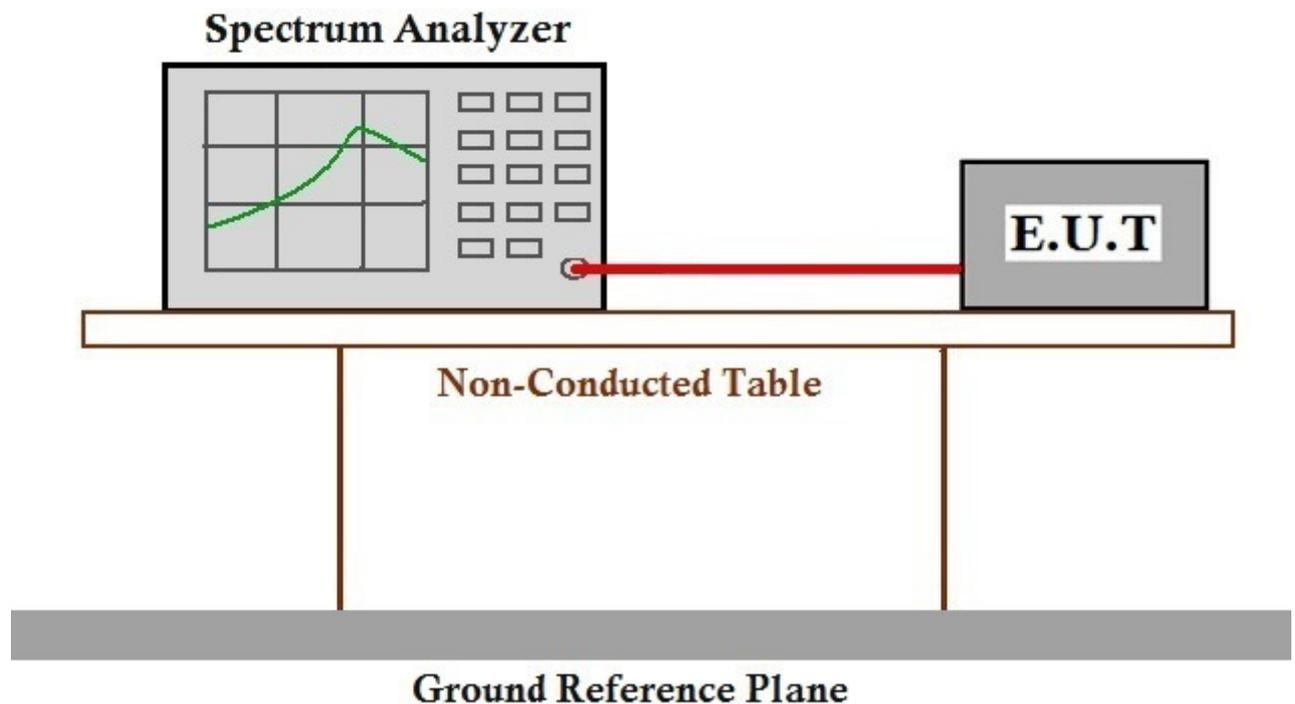
7.5 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d);RSS-247 Section 5.5
Test Method: ANSI C63.10 (2013) Section 11.12
Limit: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

7.5.1 E.U.T. Operation

Operating Environment:
Temperature: 22.1 °C **Humidity:** 56.9 % RH **Atmospheric Pressure:** 1015 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 RSS247



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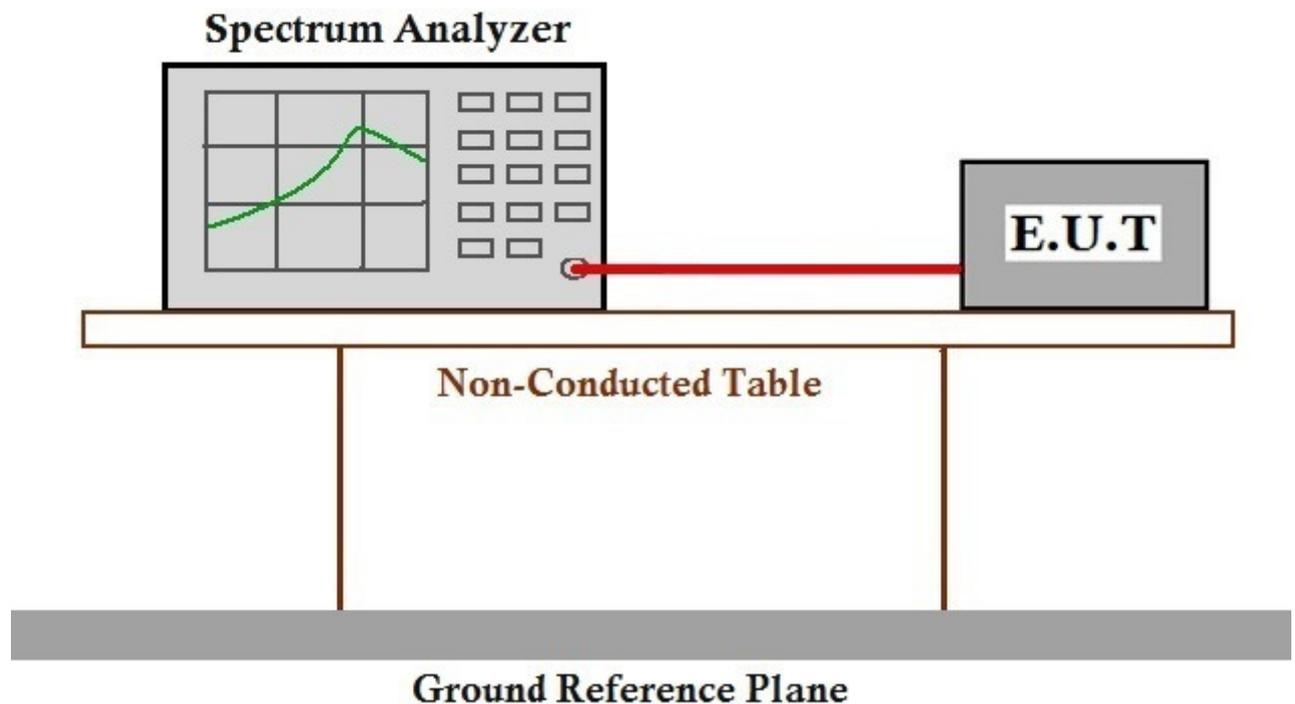
7.6 Conducted Spurious Emissions

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 device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

7.6.1 E.U.T. Operation

Operating Environment:	
Temperature:	22.1 °C Humidity: 56.9 % RH Atmospheric Pressure: 1015 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 RSS247



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:

For FCC:

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.

For IC:

Table 5 – General field strength limits at frequencies above 30 MHz

Frequency(MHz)	Field strength(μ V/m at 3 m)
30 - 88	100
88 - 216	150
216 - 960	200
Above 960	500

Table 6 – General field strength limits at frequencies below 30 MHz

Frequency	Magnetic field strength (H-Field) (μ A/m)	Measurement distance (m)
9 - 490 kHz 1	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.



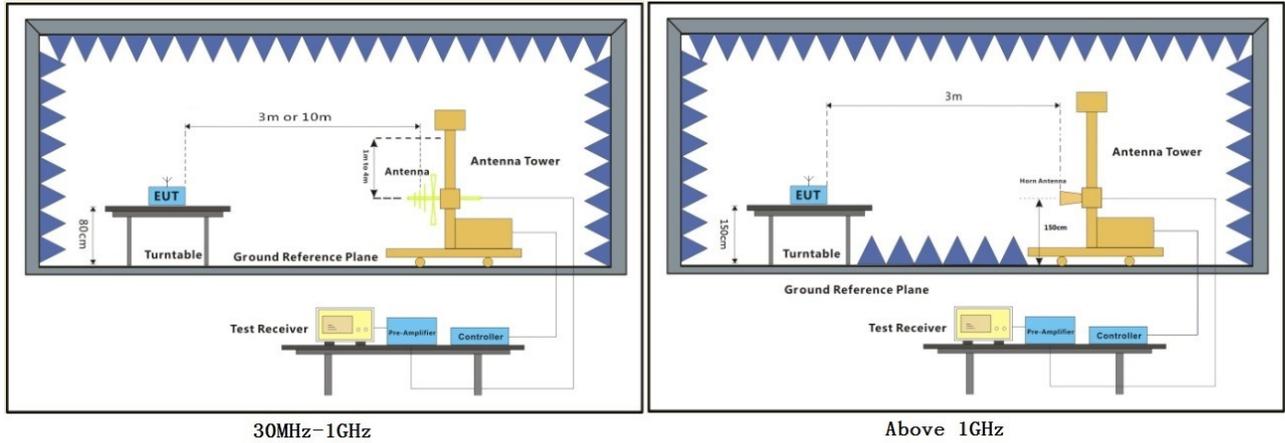
7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 53 % RH Atmospheric Pressure: 1015 mbar

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

7.7.2 Test Setup Diagram



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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

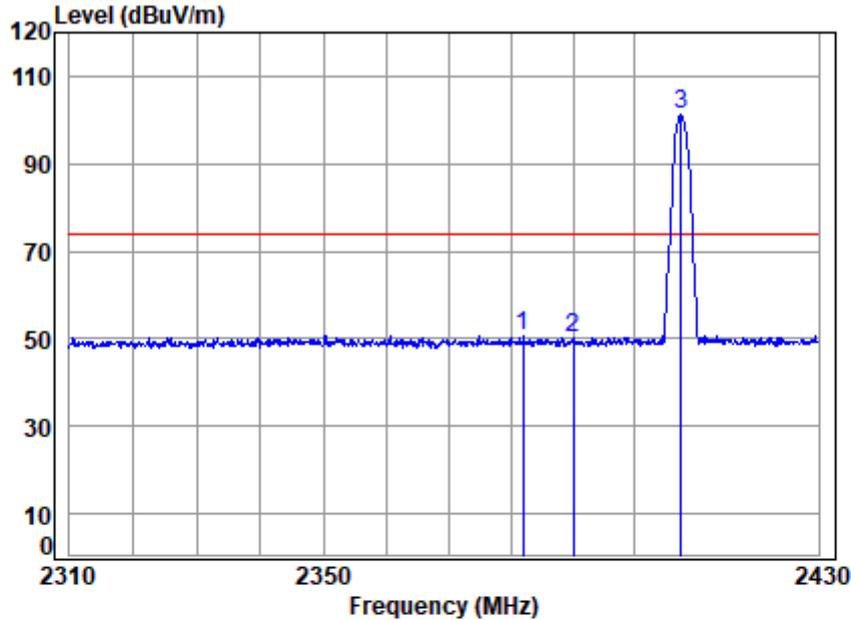
Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level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



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For 1.4MHz BW

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2407.5MHz; Value:Peak



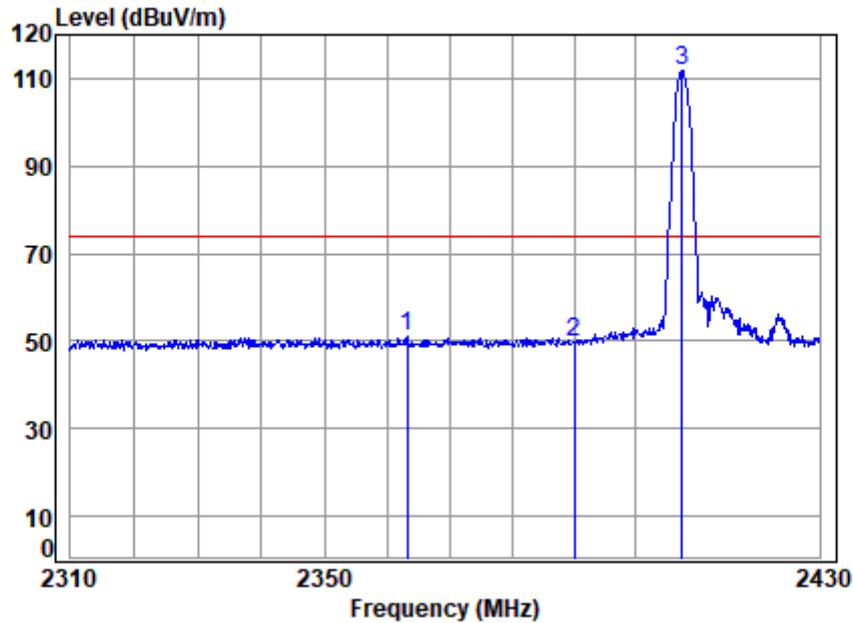
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2407.5 Band edge
 Note : 1.4M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2381.993	5.46	28.50	40.97	57.68	50.67	74.00	-23.33 peak
2	2390.000	5.47	28.52	40.97	57.25	50.27	74.00	-23.73 peak
3 *	2407.583	5.50	28.55	40.98	108.22	101.29	74.00	27.29 Peak



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2407.5MHz; Value:Peak



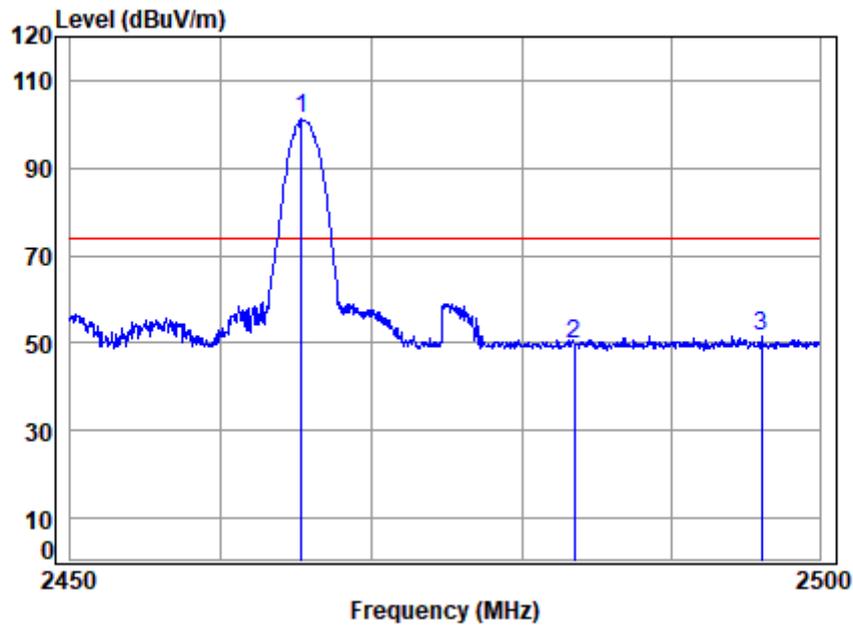
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2407.5 Band edge
 Note : 1.4M

	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	2363.129	5.44	28.47	40.96	58.17	51.12	74.00	-22.88	Peak
2	2390.000	5.47	28.52	40.97	56.85	49.87	74.00	-24.13	Peak
3 *	2407.461	5.50	28.55	40.98	118.80	111.87	74.00	37.87	Peak



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Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2465.5MHz; Value:Peak



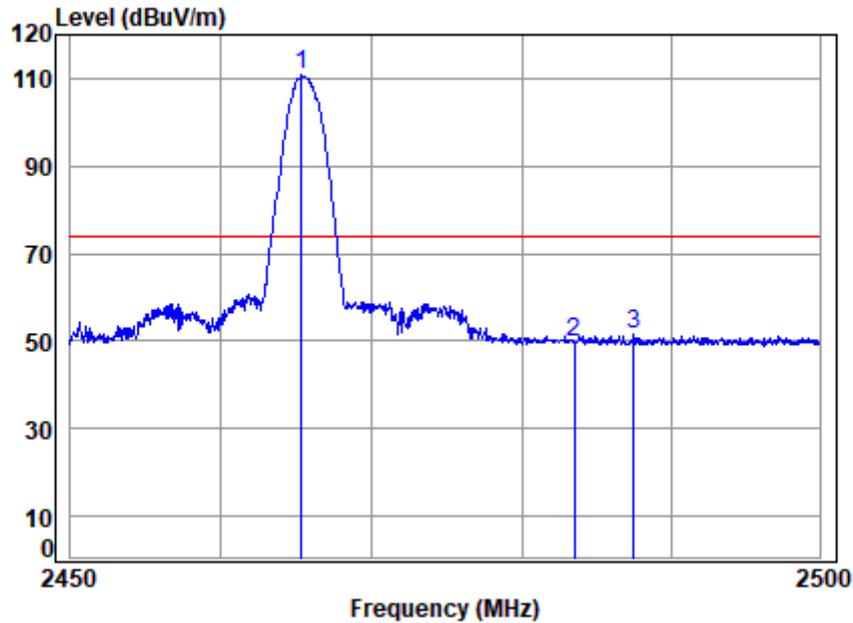
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2465.5 Band edge
 Note : 1.4M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2465.342	5.57	28.64	41.00	107.91	101.12	74.00	27.12 Peak
2	2483.500	5.60	28.67	41.01	56.66	49.92	74.00	-24.08 peak
3	2496.063	5.61	28.69	41.02	58.34	51.62	74.00	-22.38 peak



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2465.5MHz; Value:Peak



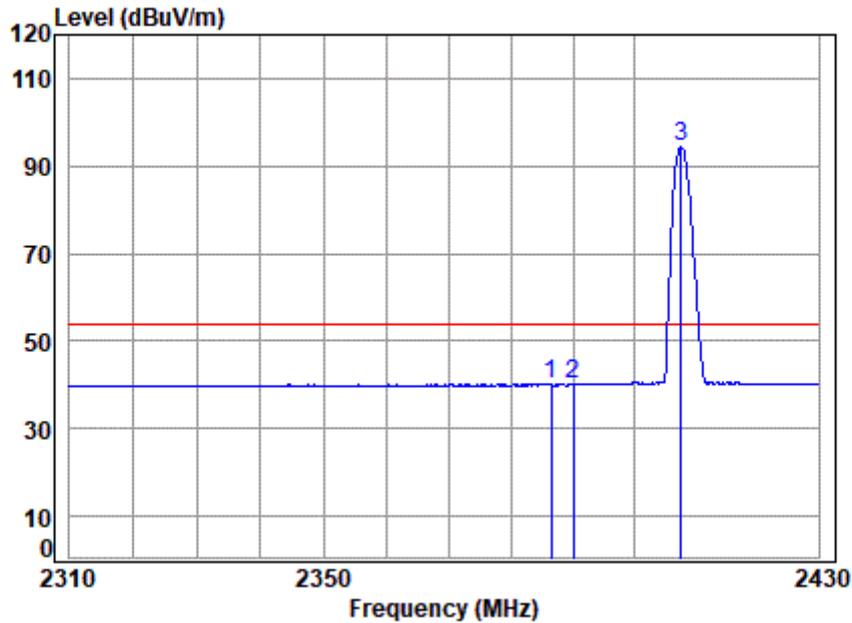
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2465.5 Band edge
 Note : 1.4M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2465.342	5.57	28.64	41.00	117.49	110.70	74.00	36.70 Peak
2	2483.500	5.60	28.67	41.01	56.59	49.85	74.00	-24.15 Peak
3	2487.506	5.60	28.68	41.01	58.10	51.37	74.00	-22.63 Peak



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Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2407.5MHz; Value:Average



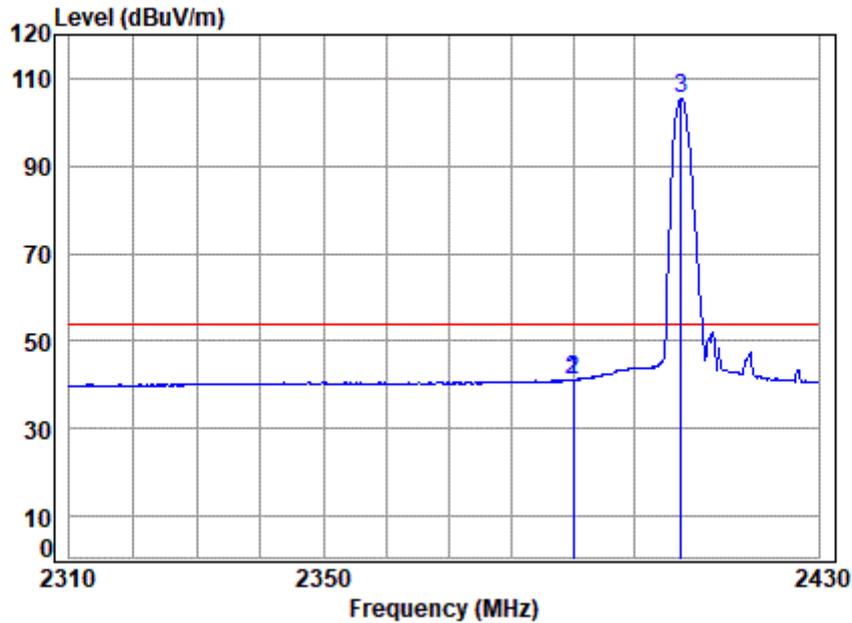
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2407.5 Band edge
 Note : 1.4M

	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	2386.461	5.47	28.51	40.97	47.10	40.11	54.00	-13.89	Average
2	2390.000	5.47	28.52	40.97	46.97	39.99	54.00	-14.01	Average
3 *	2407.583	5.50	28.55	40.98	101.28	94.35	54.00	40.35	Average



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2407.5MHz; Value:Average



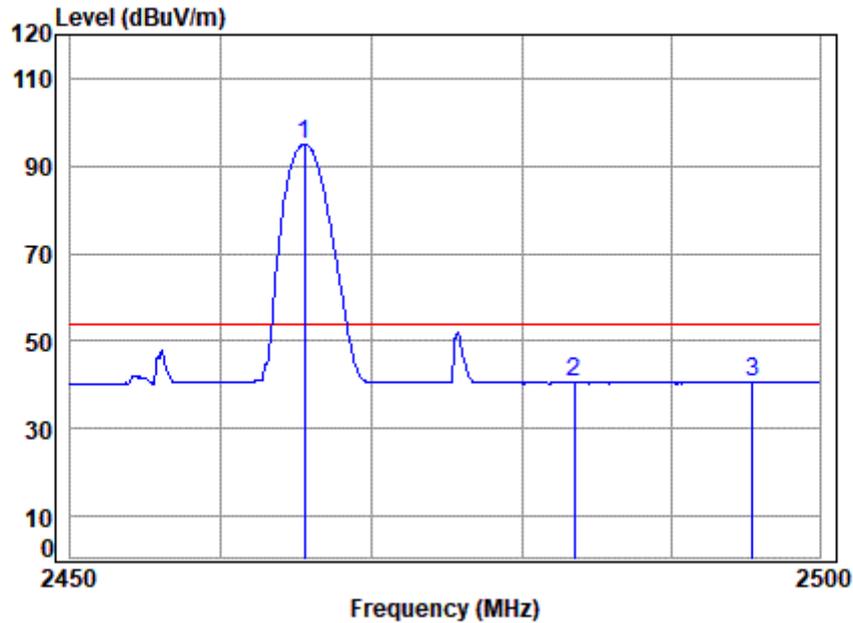
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2407.5 Band edge
 Note : 1.4M

	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	5.47	28.52	40.97	48.04	41.06	54.00	-12.94	Average
2	2390.000	5.47	28.52	40.97	48.04	41.06	54.00	-12.94	Average
3 *	2407.461	5.50	28.55	40.98	112.35	105.42	54.00	51.42	Average



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Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2465.5MHz; Value:Average



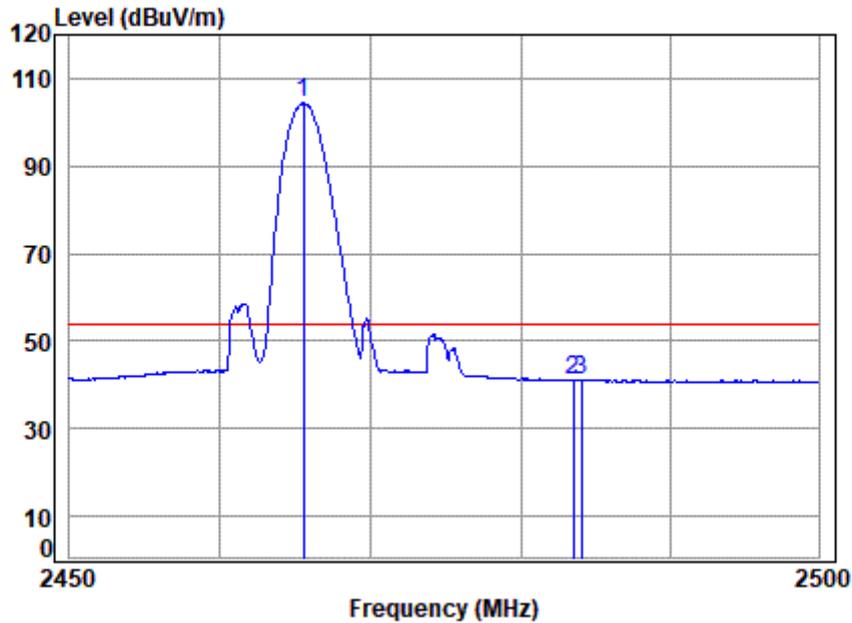
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2465.5 Band edge
 Note : 1.4M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2465.542	5.58	28.64	41.00	101.80	95.02	54.00	41.02 Average
2	2483.500	5.60	28.67	41.01	47.20	40.46	54.00	-13.54 Average
3	2495.458	5.61	28.69	41.02	47.31	40.59	54.00	-13.41 Average



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2465.5MHz; Value:Average



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2465.5 Band edge
 Note : 1.4M

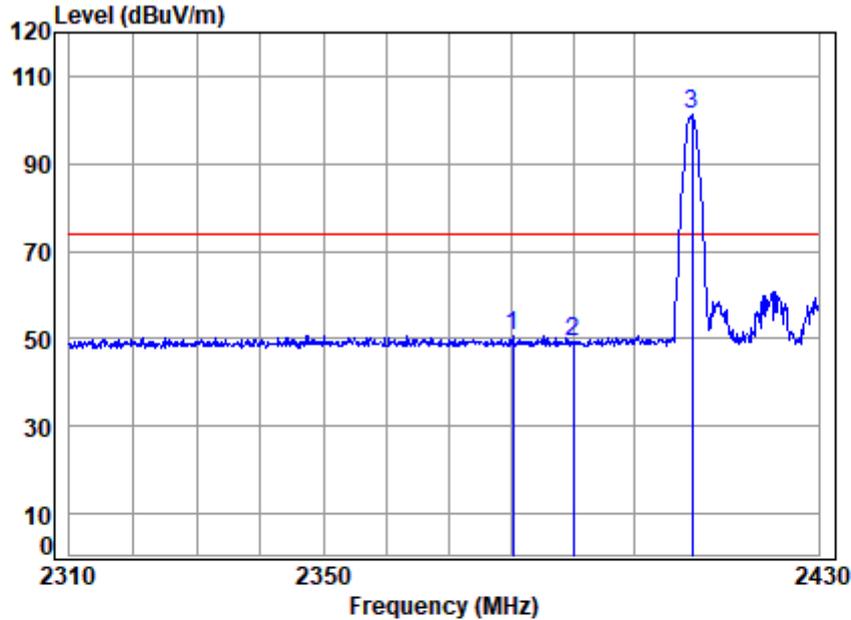
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2465.492	5.58	28.64	41.00	111.10	104.32	54.00	50.32 Average
2	2483.500	5.60	28.67	41.01	47.71	40.97	54.00	-13.03 Average
3	2484.041	5.60	28.67	41.01	47.79	41.05	54.00	-12.95 Average



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For 1.4MHz CA

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2409.12MHz; Value:Peak



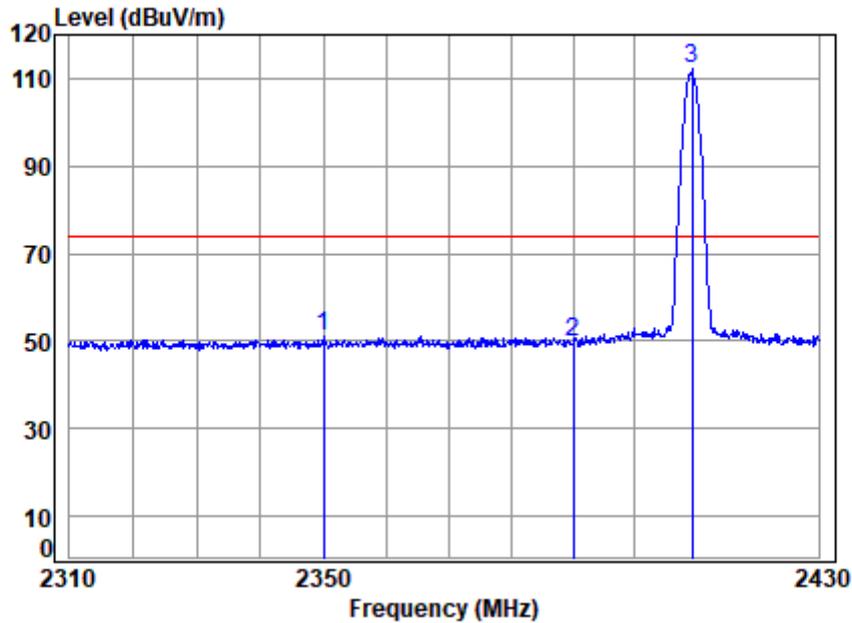
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2409.12 Band edge
 Note : 1.4M CA

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2380.305	5.46	28.50	40.97	57.66	50.65	74.00	-23.35 peak
2	2390.000	5.47	28.52	40.97	56.42	49.44	74.00	-24.56 peak
3 *	2409.291	5.50	28.55	40.98	108.14	101.21	74.00	27.21 Peak



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2409.12MHz; Value:Peak



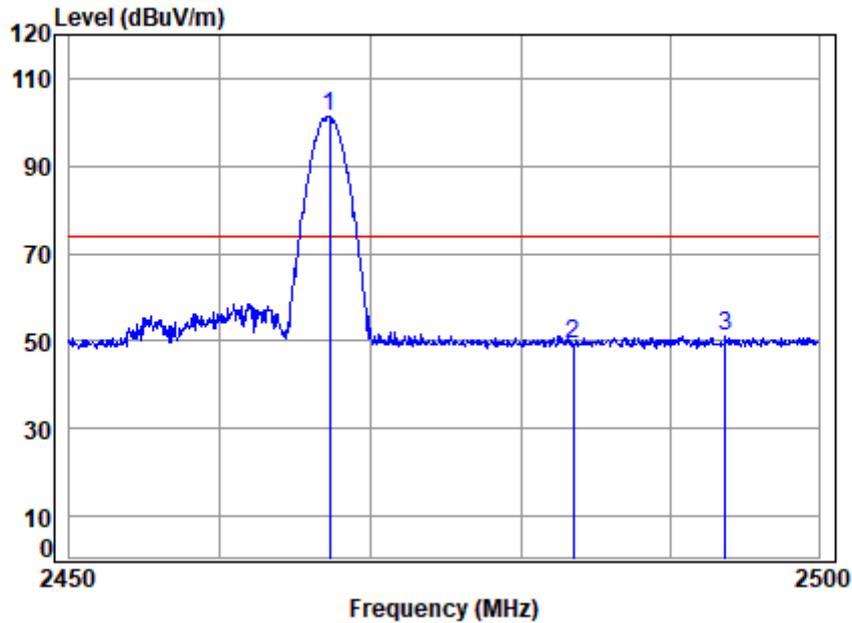
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2409.12 Band edge
 Note : 1.4M CA

	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	2350.001	5.42	28.45	40.96	58.21	51.12	74.00	-22.88	Peak
2	2390.000	5.47	28.52	40.97	56.80	49.82	74.00	-24.18	Peak
3 *	2409.291	5.50	28.55	40.98	118.98	112.05	74.00	38.05	Peak



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Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2467.12MHz; Value:Peak



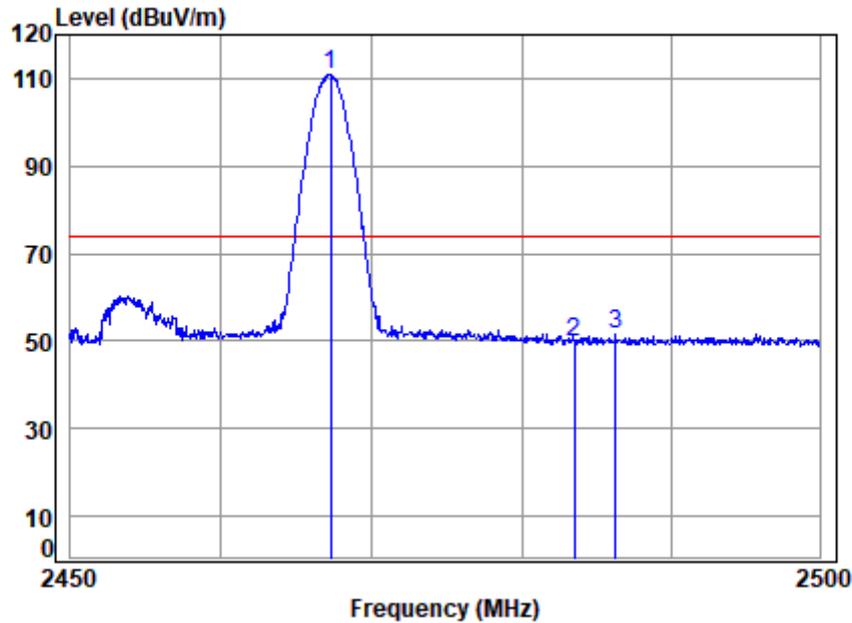
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2467.12 Band edge
 Note : 1.4M CA

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2467.285	5.58	28.65	41.00	108.28	101.51	74.00	27.51 Peak
2	2483.500	5.60	28.67	41.01	55.88	49.14	74.00	-24.86 peak
3	2493.695	5.61	28.69	41.01	57.69	50.98	74.00	-23.02 peak



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2467.12MHz; Value:Peak



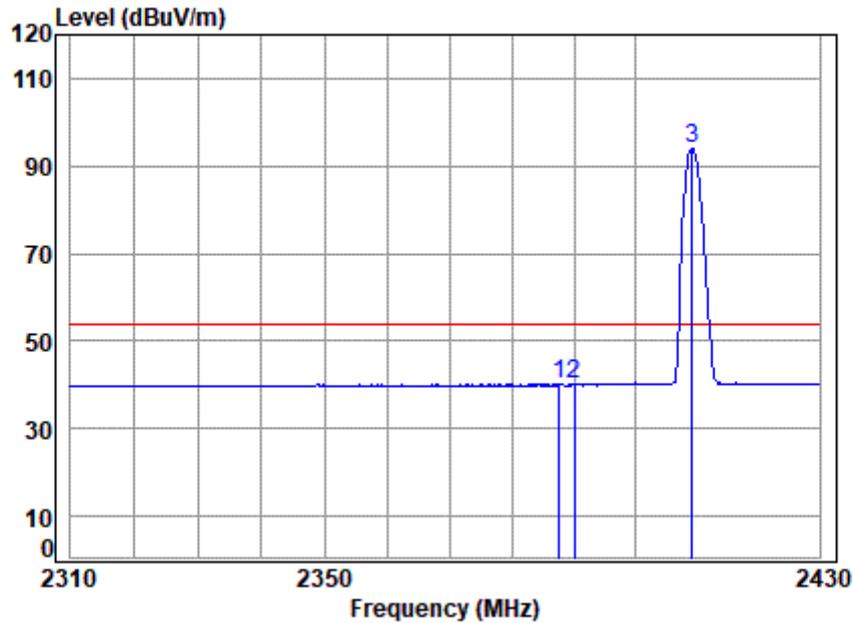
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2467.12 Band edge
 Note : 1.4M CA

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2467.236	5.58	28.65	41.00	117.74	110.97	74.00	36.97 Peak
2	2483.500	5.60	28.67	41.01	56.38	49.64	74.00	-24.36 Peak
3	2486.300	5.60	28.68	41.01	58.36	51.63	74.00	-22.37 Peak



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Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2409.12MHz; Value:Average



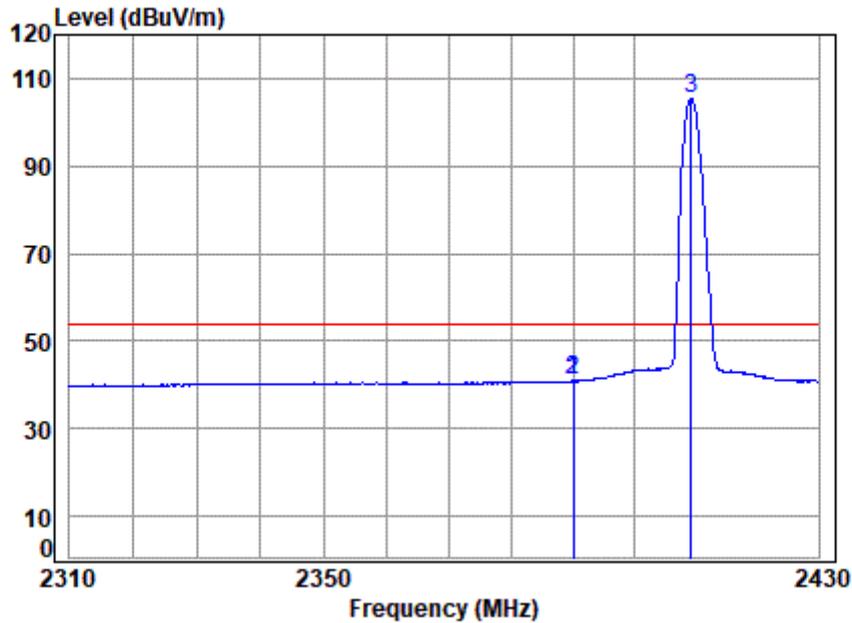
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2409.12 Band edge
 Note : 1.4M CA

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2387.670	5.47	28.51	40.97	47.04	40.05	54.00	-13.95 Average
2	2390.000	5.47	28.52	40.97	46.96	39.98	54.00	-14.02 Average
3 *	2409.169	5.50	28.55	40.98	101.01	94.08	54.00	40.08 Average



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2409.12MHz; Value:Average



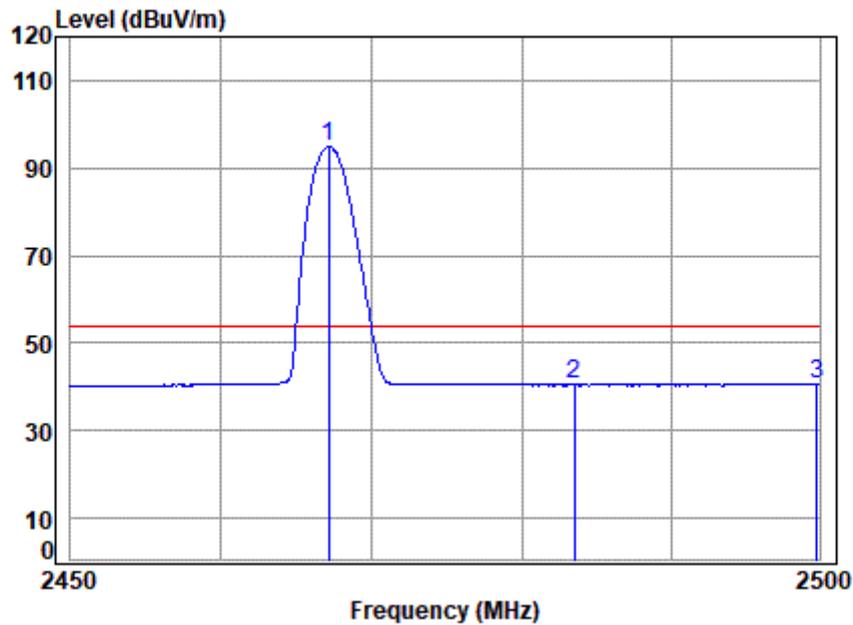
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2409.12 Band edge
 Note : 1.4M CA

	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	5.47	28.52	40.97	47.91	40.93	54.00	-13.07	Average
2	2390.000	5.47	28.52	40.97	47.91	40.93	54.00	-13.07	Average
3 *	2409.169	5.50	28.55	40.98	112.29	105.36	54.00	51.36	Average



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Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2467.12MHz; Value:Average



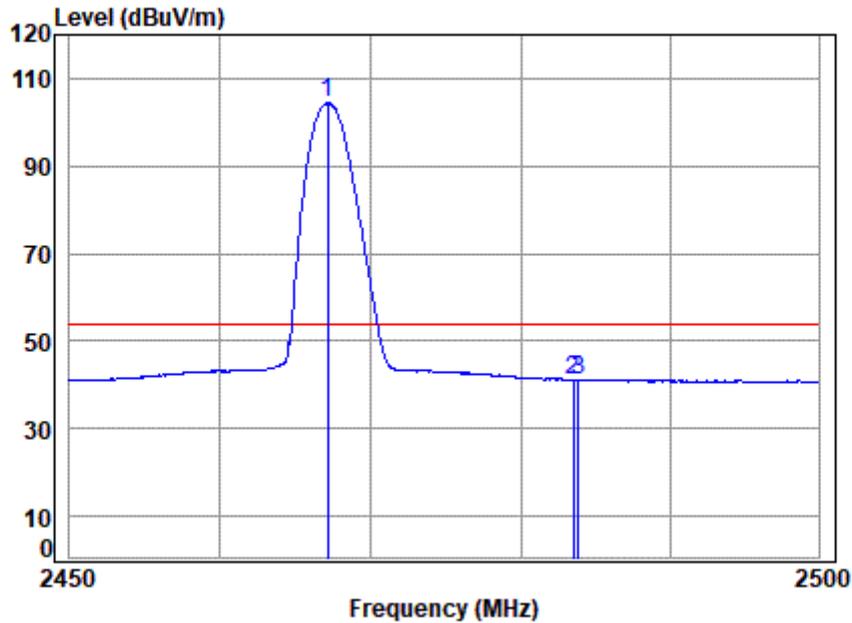
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2467.12 Band edge
 Note : 1.4M CA

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2467.136	5.58	28.65	41.00	101.64	94.87	54.00	40.87 Average
2	2483.500	5.60	28.67	41.01	47.13	40.39	54.00	-13.61 Average
3	2499.798	5.62	28.70	41.02	47.27	40.57	54.00	-13.43 Average



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2467.12MHz; Value:Average



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2467.12 Band edge
 Note : 1.4M CA

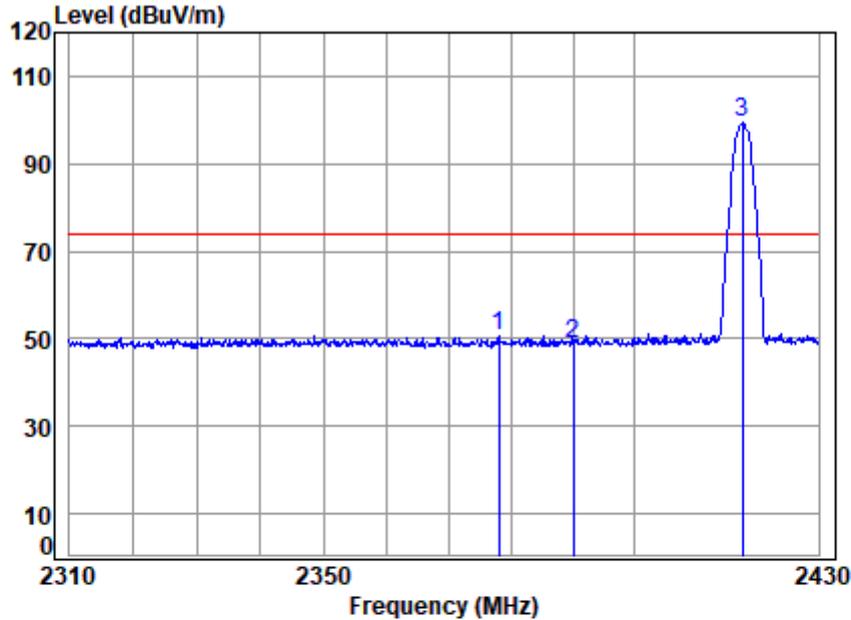
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2467.136	5.58	28.65	41.00	111.12	104.35	54.00	50.35 Average
2	2483.500	5.60	28.67	41.01	47.85	41.11	54.00	-12.89 Average
3	2483.890	5.60	28.67	41.01	47.97	41.23	54.00	-12.77 Average



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For 3MHz BW

Mode:a; Polarization:Horizontal; Bandwidth:3MHz; Channel: 2417.5MHz; Value:Peak



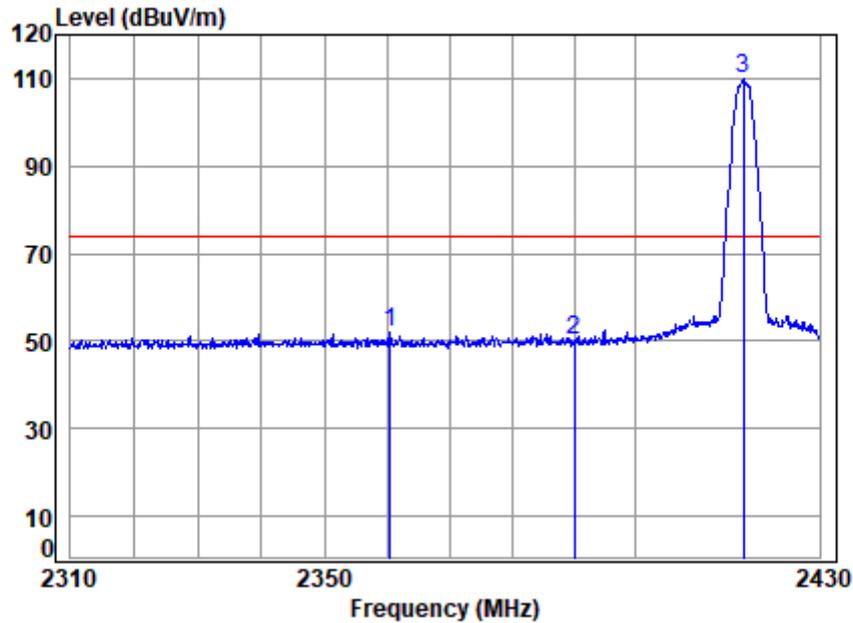
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 3M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2378.016	5.46	28.50	40.97	57.67	50.66	74.00	-23.34 peak
2	2390.000	5.47	28.52	40.97	55.77	48.79	74.00	-25.21 peak
3 *	2417.480	5.51	28.56	40.98	106.37	99.46	74.00	25.46 Peak



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Mode:a; Polarization:Vertical; Bandwidth:3MHz; Channel: 2417.5MHz; Value:Peak



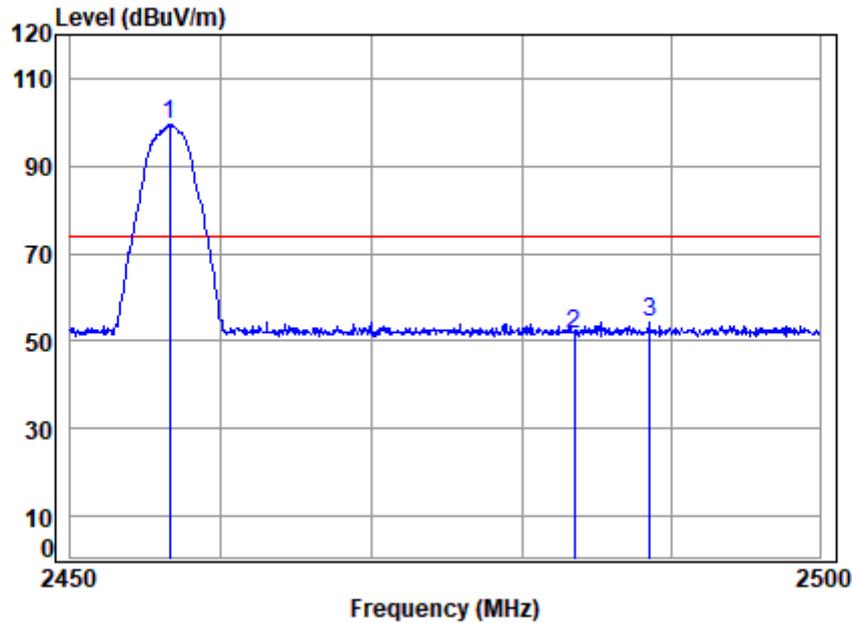
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 3M

	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	2360.498	5.43	28.47	40.96	58.91	51.85	74.00	-22.15	Peak
2	2390.000	5.47	28.52	40.97	57.07	50.09	74.00	-23.91	Peak
3 *	2417.602	5.51	28.56	40.98	116.93	110.02	74.00	36.02	Peak



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Mode:a; Polarization:Horizontal; Bandwidth:3MHz; Channel: 2456.5MHz; Value:Peak



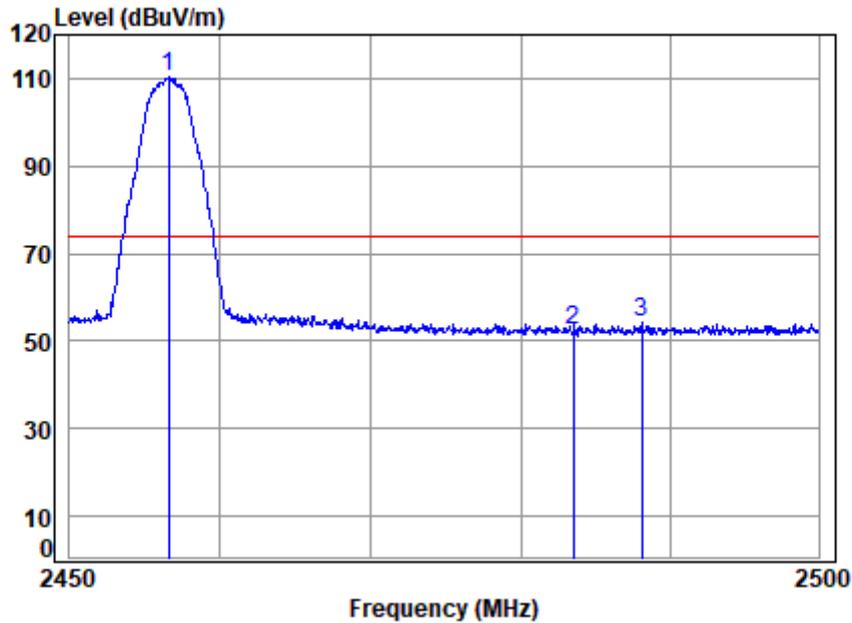
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2456.5 Band edge
 Note : 3M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2456.592	5.56	28.63	41.00	106.50	99.69	74.00	25.69 Peak
2	2483.500	5.60	28.67	41.01	58.09	51.35	74.00	-22.65 peak
3	2488.561	5.61	28.68	41.01	61.04	54.32	74.00	-19.68 peak



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Mode:a; Polarization:Vertical; Bandwidth:3MHz; Channel: 2456.5MHz; Value:Peak



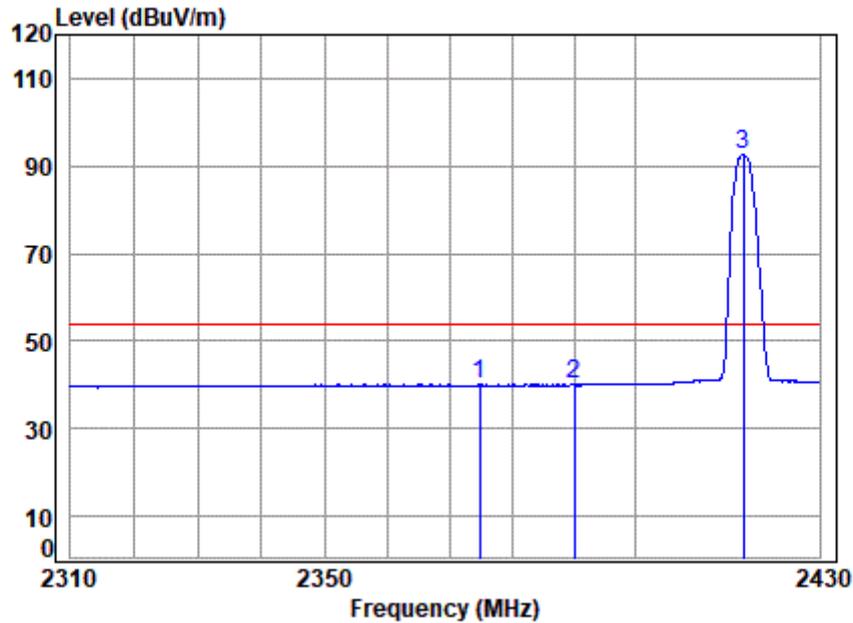
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2456.5 Band edge
 Note : 3M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2456.542	5.56	28.63	41.00	117.13	110.32	74.00	36.32 Peak
2	2483.500	5.60	28.67	41.01	59.19	52.45	74.00	-21.55 Peak
3	2488.109	5.60	28.68	41.01	60.85	54.12	74.00	-19.88 Peak



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Mode:a; Polarization:Horizontal; Bandwidth:3MHz; Channel: 2417.5MHz; Value:Average



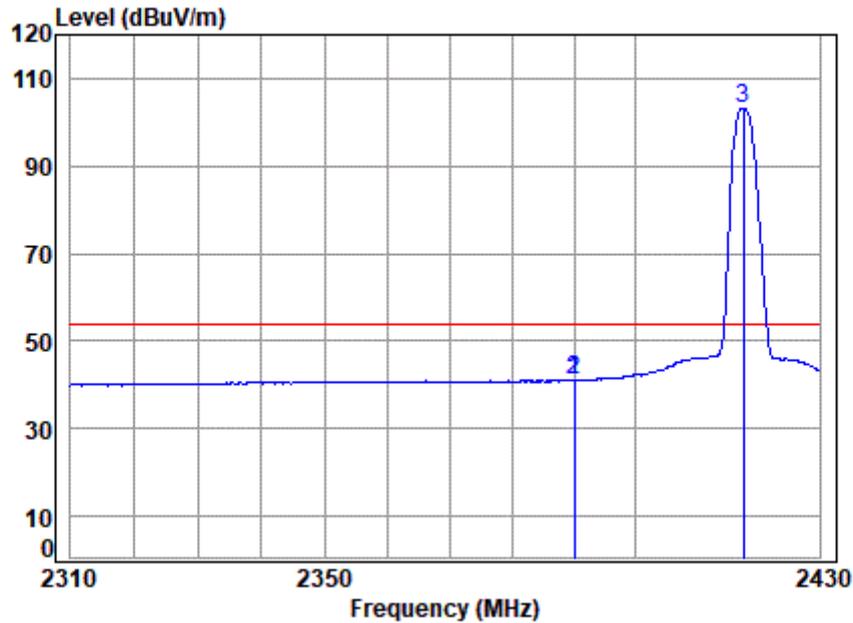
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 3M

	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	2374.886	5.45	28.49	40.97	47.09	40.06	54.00	-13.94	Average
2	2390.000	5.47	28.52	40.97	46.92	39.94	54.00	-14.06	Average
3 *	2417.480	5.51	28.56	40.98	99.48	92.57	54.00	38.57	Average



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Mode:a; Polarization:Vertical; Bandwidth:3MHz; Channel: 2417.5MHz; Value:Average



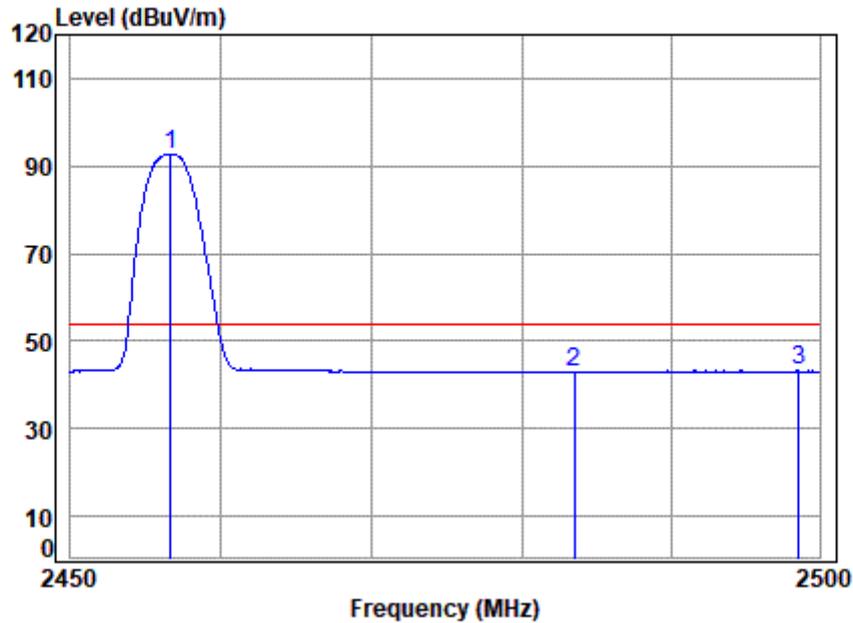
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 3M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2389.968	5.47	28.52	40.97	48.04	41.06	54.00	-12.94 Average
2	2390.000	5.47	28.52	40.97	48.04	41.06	54.00	-12.94 Average
3 *	2417.602	5.51	28.56	40.98	110.08	103.17	54.00	49.17 Average



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Mode:a; Polarization:Horizontal; Bandwidth:3MHz; Channel: 2456.5MHz; Value:Average



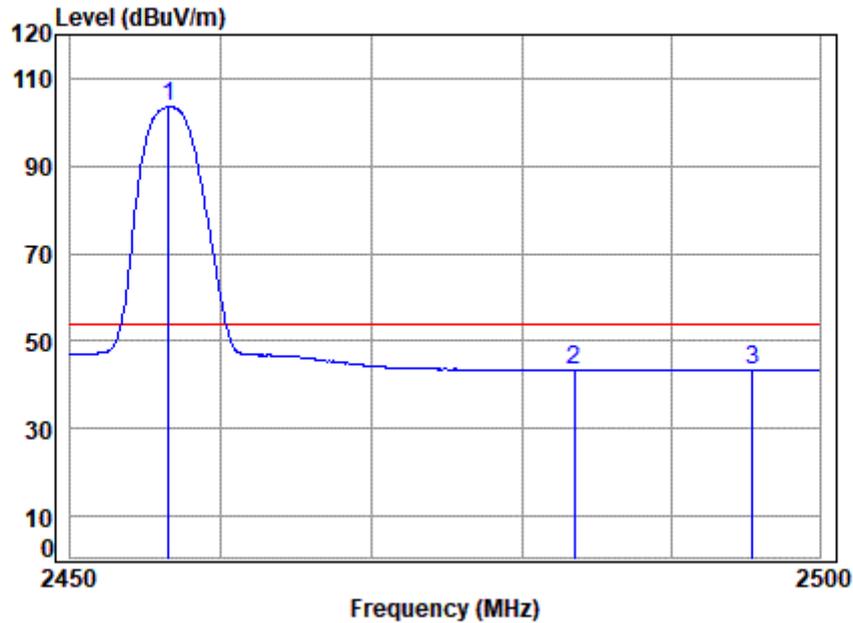
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2456.5 Band edge
 Note : 3M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2456.642	5.56	28.63	41.00	99.60	92.79	54.00	38.79 Average
2	2483.500	5.60	28.67	41.01	49.69	42.95	54.00	-11.05 Average
3	2498.586	5.62	28.70	41.02	49.88	43.18	54.00	-10.82 Average



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Mode:a; Polarization:Vertical; Bandwidth:3MHz; Channel: 2456.5MHz; Value:Average



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2456.5 Band edge
 Note : 3M

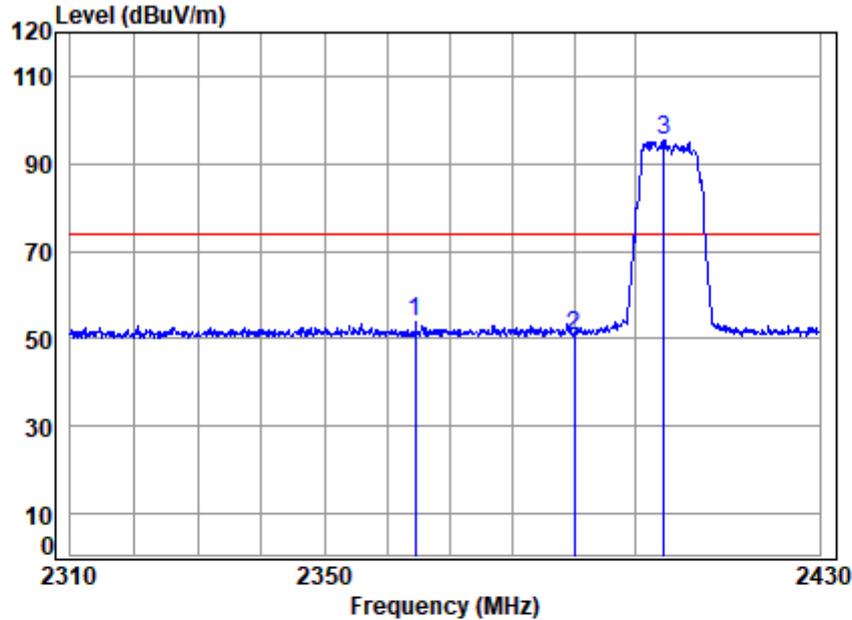
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2456.493	5.56	28.63	41.00	110.31	103.50	54.00	49.50 Average
2	2483.500	5.60	28.67	41.01	50.05	43.31	54.00	-10.69 Average
3	2495.458	5.61	28.69	41.02	50.11	43.39	54.00	-10.61 Average



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For 10MHz BW

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



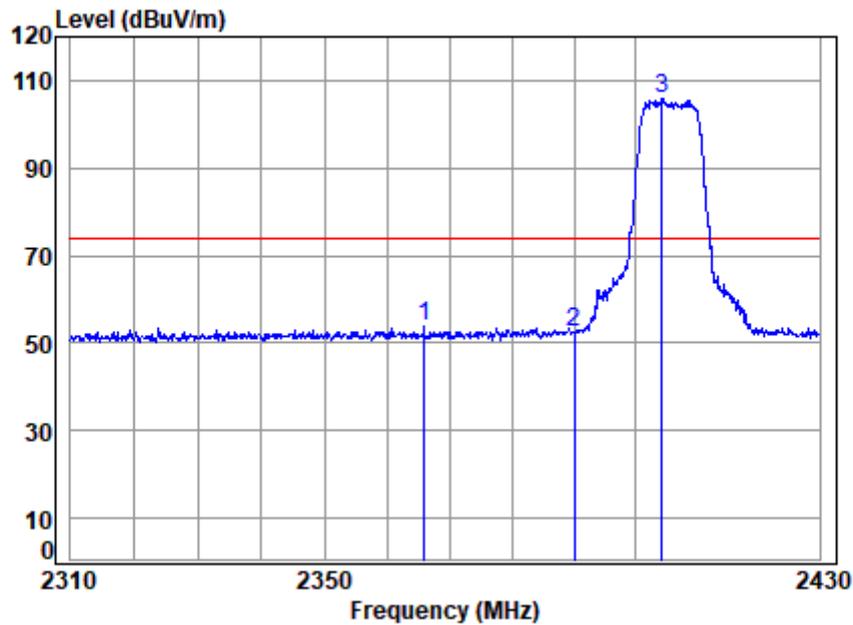
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2405.5 Band edge
 Note : 10M

	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	2364.565	5.44	28.48	40.96	60.75	53.71	74.00	-20.29	peak
2	2390.000	5.47	28.52	40.97	57.85	50.87	74.00	-23.13	peak
3 *	2404.537	5.49	28.54	40.98	102.53	95.58	74.00	21.58	Peak



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



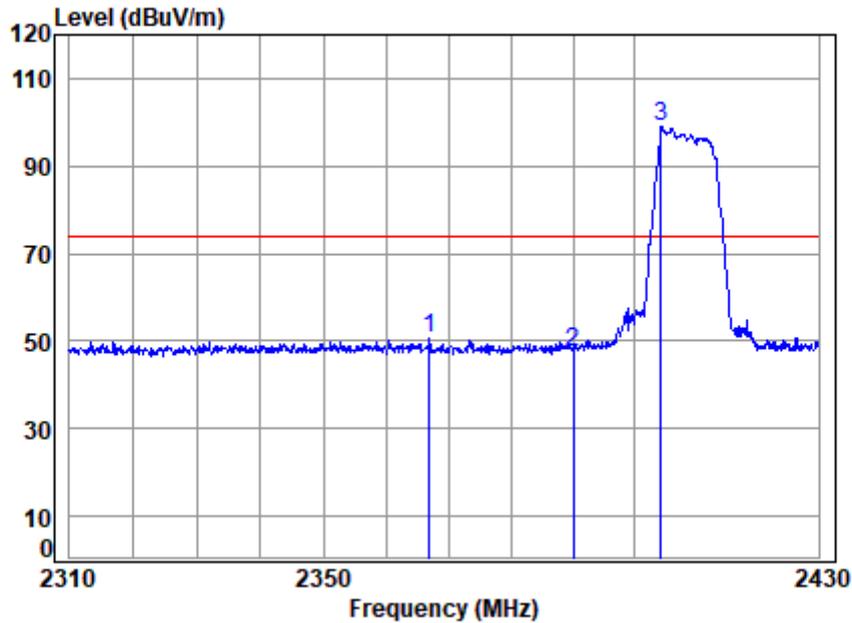
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2405.5 Band edge
 Note : 10M

	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	2365.883	5.44	28.48	40.96	60.95	53.91	74.00	-20.09	Peak
2	2390.000	5.47	28.52	40.97	59.56	52.58	74.00	-21.42	Peak
3 *	2404.293	5.49	28.54	40.98	112.88	105.93	74.00	31.93	Peak



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2408.5MHz; Value:Peak



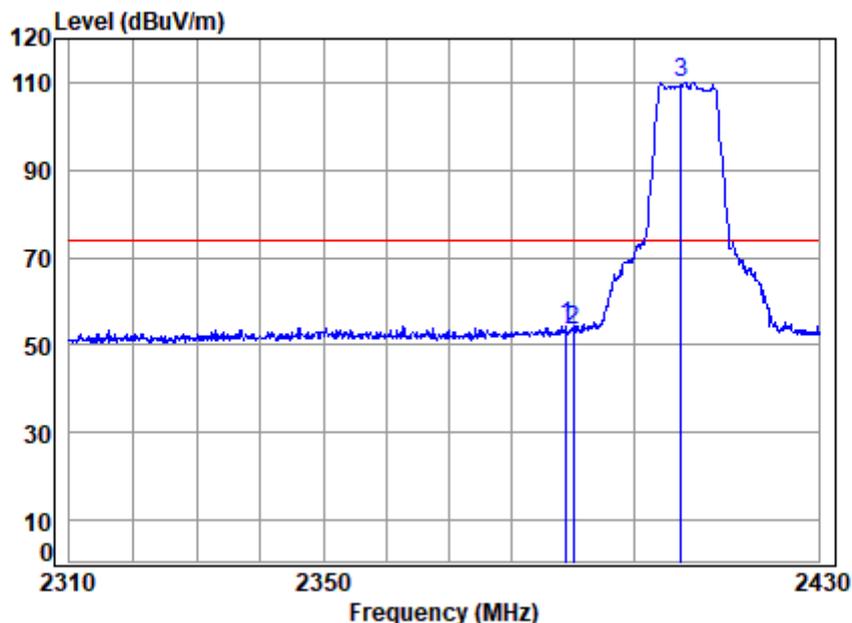
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2408.5 Band edge
 Note : 10M

	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	2366.962	5.44	28.48	40.96	57.91	50.87	74.00	-23.13	peak
2	2390.000	5.47	28.52	40.97	54.53	47.55	74.00	-26.45	peak
3 *	2404.293	5.49	28.54	40.98	105.91	98.96	74.00	24.96	Peak



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2408.5MHz; Value:Peak



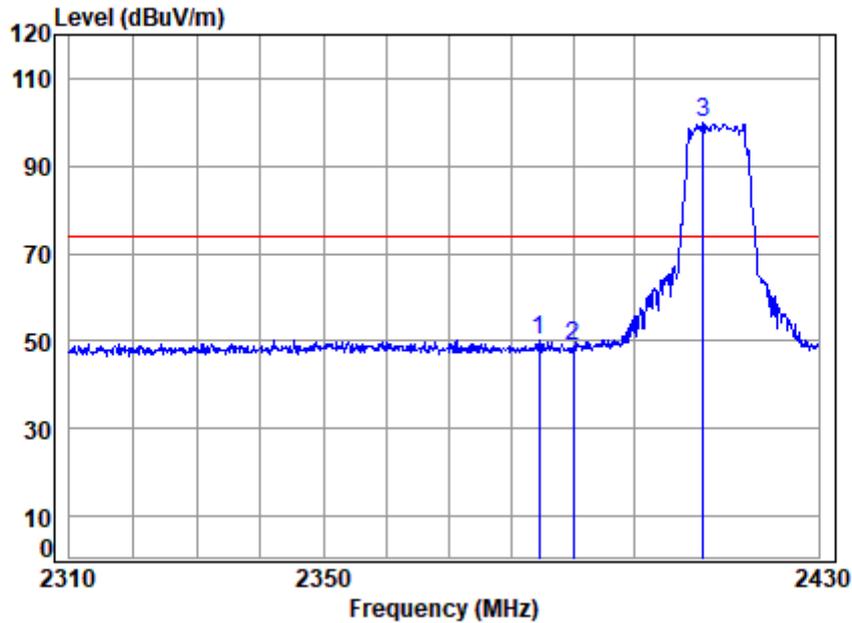
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2408.5 Band edge
 Note : 10M

	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	2388.879	5.47	28.52	40.97	61.42	54.44	74.00	-19.56	peak
2	2390.000	5.47	28.52	40.97	60.31	53.33	74.00	-20.67	peak
3 *	2407.500	5.50	28.55	40.98	116.99	110.06	74.00	36.06	peak



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2413.5MHz; Value:Peak



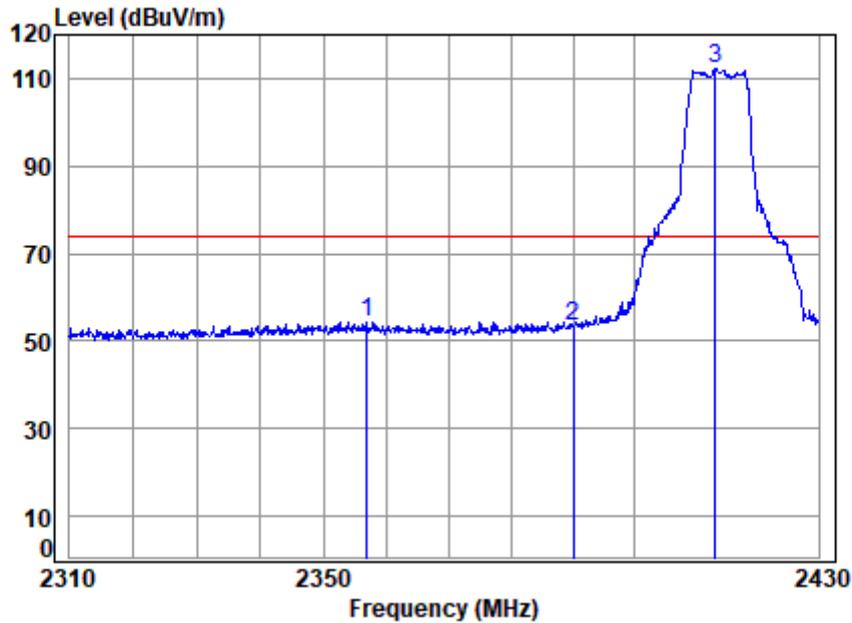
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2413.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2384.528	5.47	28.51	40.97	57.37	50.38	74.00	-23.62 peak
2	2390.000	5.47	28.52	40.97	55.89	48.91	74.00	-25.09 peak
3 *	2411.122	5.50	28.55	40.98	106.71	99.78	74.00	25.78 Peak



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2413.5MHz; Value:Peak



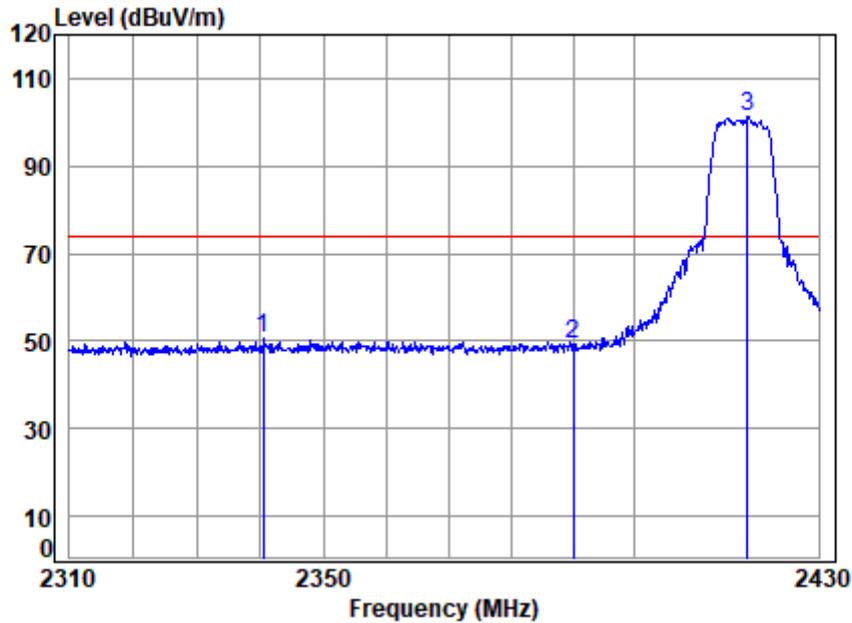
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2413.5 Band edge
 Note : 10M

	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	2356.914	5.43	28.46	40.96	61.53	54.46	74.00	-19.54	peak
2	2390.000	5.47	28.52	40.97	60.16	53.18	74.00	-20.82	peak
3 *	2413.076	5.51	28.56	40.98	119.04	112.13	74.00	38.13	Peak



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



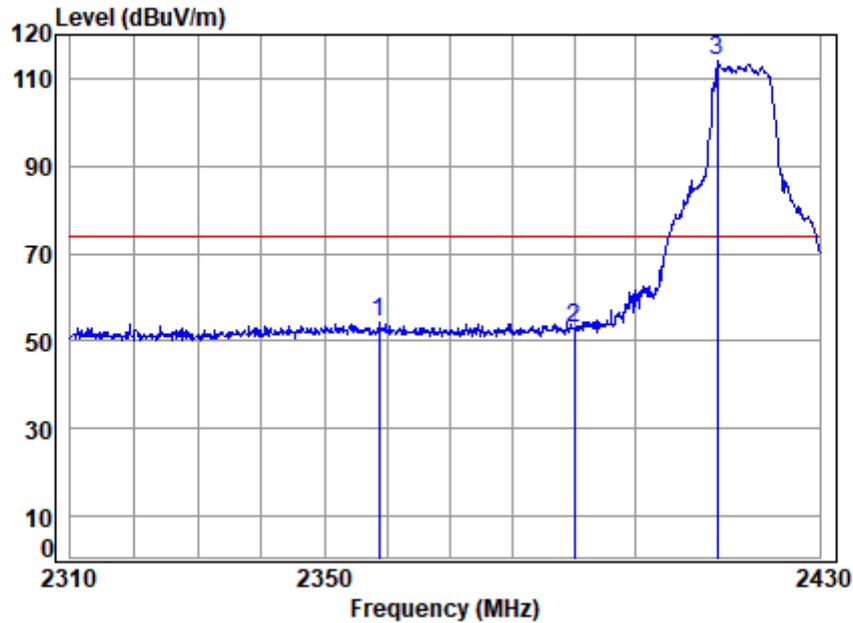
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 10M

	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	2340.499	5.41	28.43	40.95	57.59	50.48	74.00	-23.52	peak
2	2390.000	5.47	28.52	40.97	56.24	49.26	74.00	-24.74	peak
3 *	2418.337	5.51	28.57	40.98	108.13	101.23	74.00	27.23	Peak



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



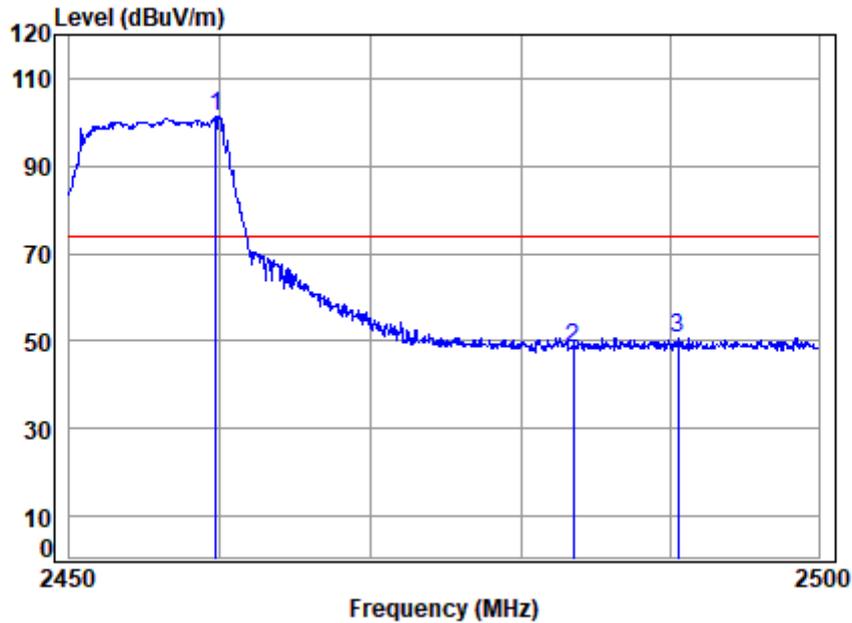
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 10M

	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	2358.705	5.43	28.47	40.96	61.52	54.46	74.00	-19.54	peak
2	2390.000	5.47	28.52	40.97	60.10	53.12	74.00	-20.88	peak
3 *	2413.321	5.51	28.56	40.98	120.85	113.94	74.00	39.94	Peak



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



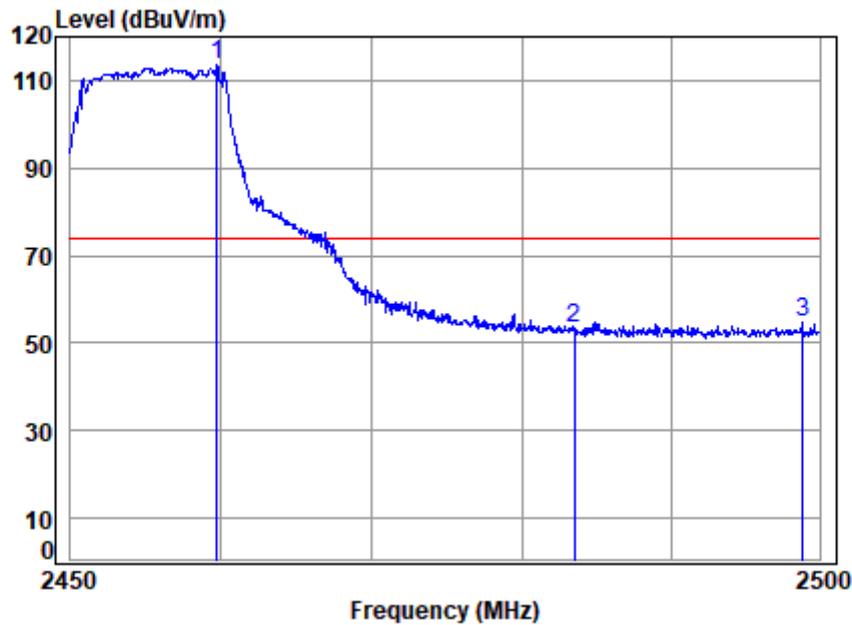
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2455.5 Band edge
 Note : 10M

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 * 2459.671	5.57	28.63	41.00	108.14	101.34	74.00	27.34	Peak
2 2483.500	5.60	28.67	41.01	55.28	48.54	74.00	-25.46	peak
3 2490.523	5.61	28.68	41.01	57.45	50.73	74.00	-23.27	peak



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



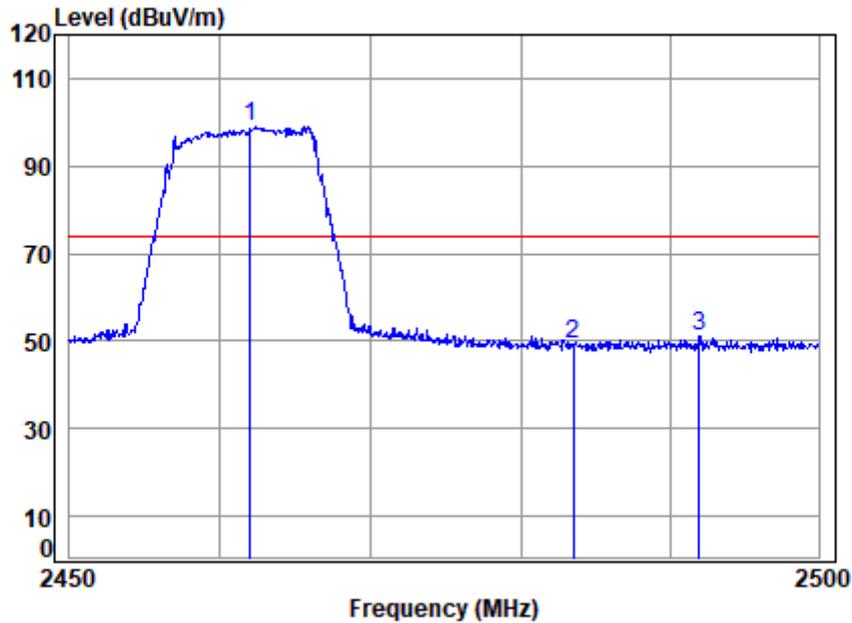
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2455.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 2459.720	5.57	28.63	41.00	120.38	113.58	74.00	39.58	Peak
2 2483.500	5.60	28.67	41.01	59.91	53.17	74.00	-20.83	peak
3 2498.839	5.62	28.70	41.02	61.56	54.86	74.00	-19.14	peak



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2461.5MHz; Value:Peak



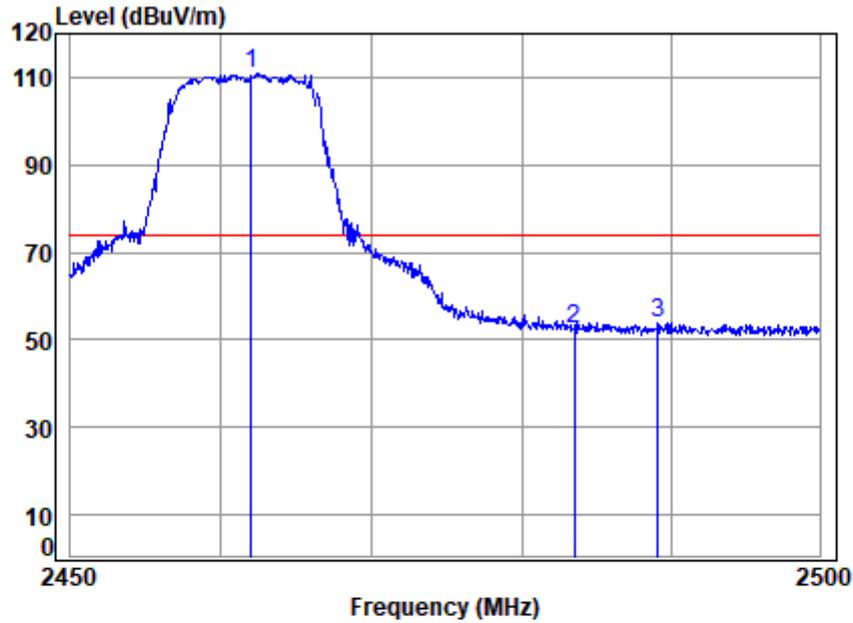
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2461.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2462.000	5.57	28.64	41.00	106.00	99.21	74.00	25.21 peak
2	2483.500	5.60	28.67	41.01	56.15	49.41	74.00	-24.59 peak
3	2491.982	5.61	28.69	41.01	57.72	51.01	74.00	-22.99 peak



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2461.5MHz; Value:Peak



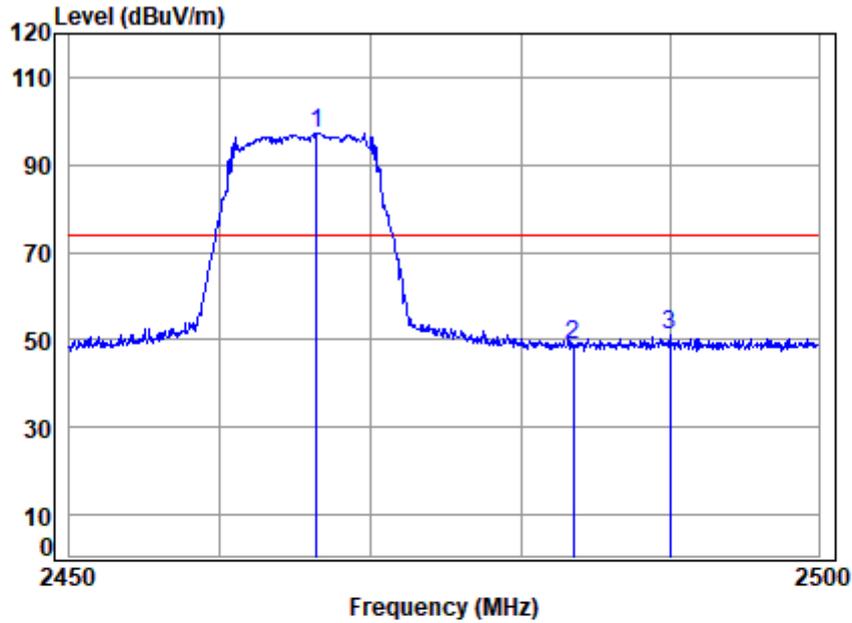
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2461.5 Band edge
 Note : 10M

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 * 2462.000	5.57	28.64	41.00	117.59	110.80	74.00	36.80	peak
2 2483.500	5.60	28.67	41.01	59.15	52.41	74.00	-21.59	peak
3 2489.114	5.61	28.68	41.01	60.70	53.98	74.00	-20.02	peak



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2465.5MHz; Value:Peak



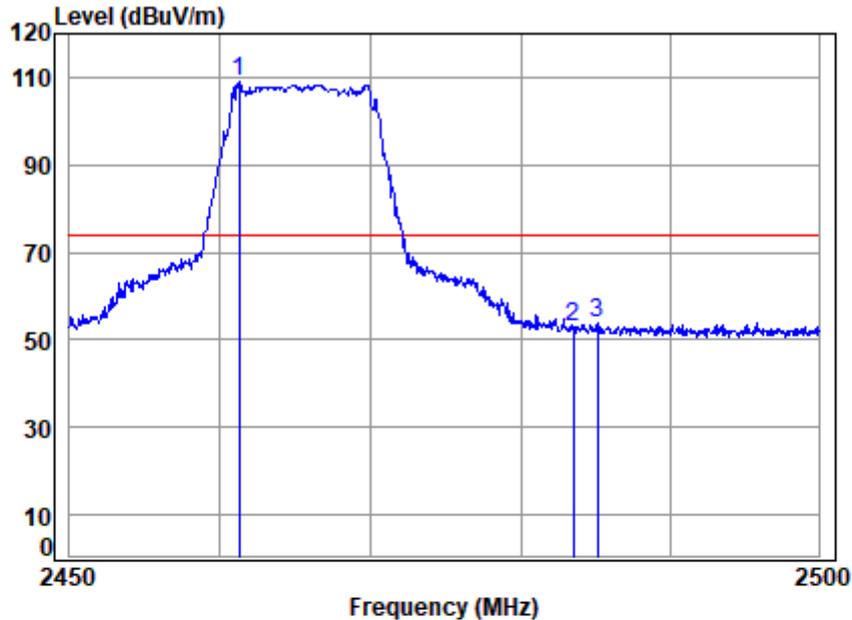
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2465.5 Band edge
 Note : 10M

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 * 2466.388	5.58	28.65	41.00	104.02	97.25	74.00	23.25	Peak
2 2483.500	5.60	28.67	41.01	55.76	49.02	74.00	-24.98	peak
3 2489.969	5.61	28.68	41.01	57.60	50.88	74.00	-23.12	peak



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2465.5MHz; Value:Peak



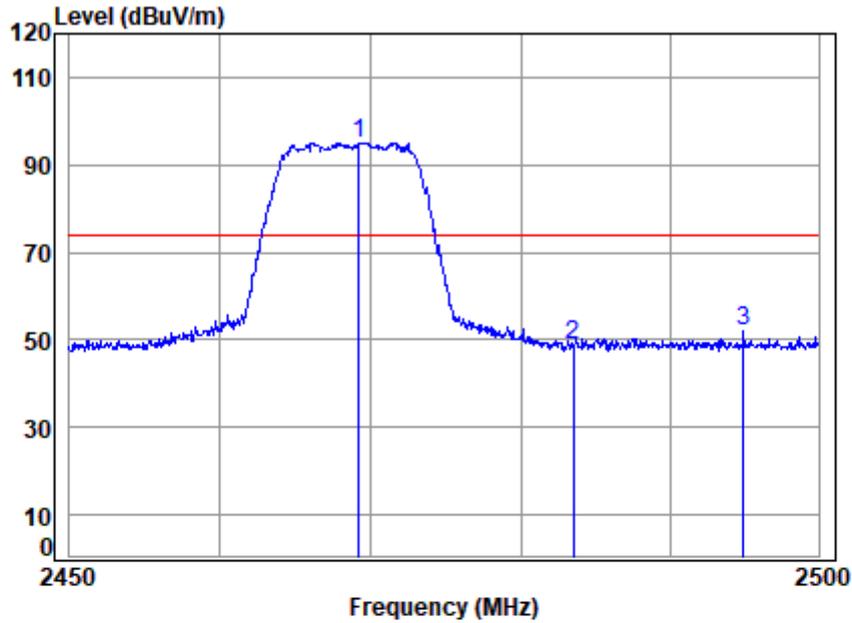
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2465.5 Band edge
 Note : 10M

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 * 2461.261	5.57	28.64	41.00	115.62	108.83	74.00	34.83	Peak
2 2483.500	5.60	28.67	41.01	59.86	53.12	74.00	-20.88	peak
3 2485.145	5.60	28.68	41.01	60.67	53.94	74.00	-20.06	peak



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2468.5MHz; Value:Peak



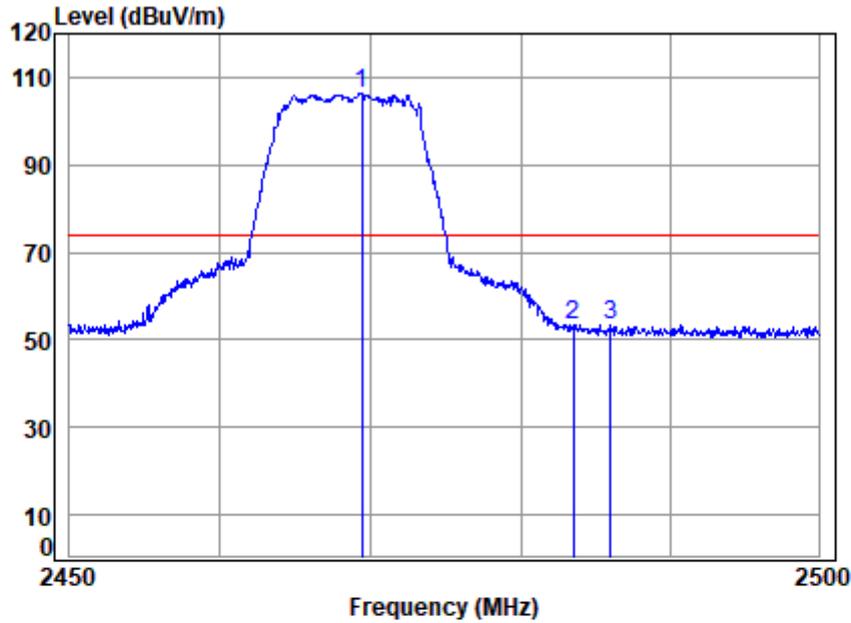
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2468.5 Band edge
 Note : 10M

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 * 2469.180	5.58	28.65	41.01	101.84	95.06	74.00	21.06	Peak
2 2483.500	5.60	28.67	41.01	55.61	48.87	74.00	-25.13	peak
3 2494.954	5.61	28.69	41.02	58.76	52.04	74.00	-21.96	peak



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2468.5MHz; Value:Peak



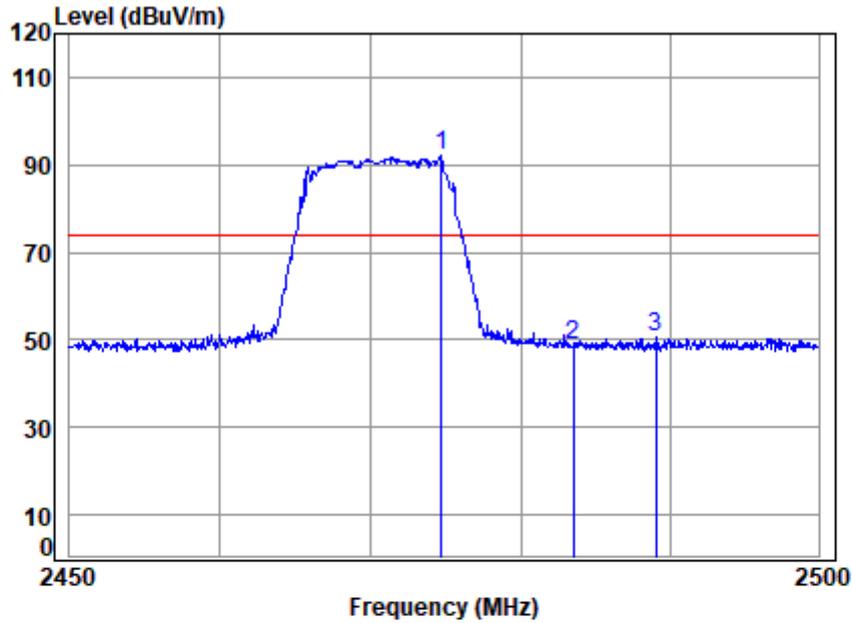
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2468.5 Band edge
 Note : 10M

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 * 2469.380	5.58	28.65	41.01	113.10	106.32	74.00	32.32	Peak
2 2483.500	5.60	28.67	41.01	59.99	53.25	74.00	-20.75	peak
3 2486.049	5.60	28.68	41.01	60.26	53.53	74.00	-20.47	peak



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2470.5MHz; Value:Peak



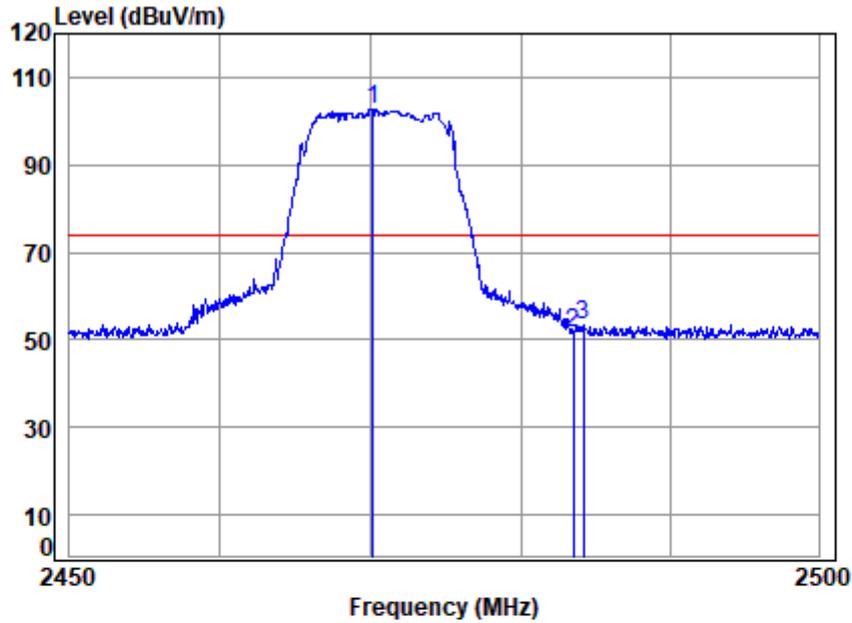
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2470.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2474.724	5.59	28.66	41.01	98.71	91.95	74.00	17.95 Peak
2	2483.500	5.60	28.67	41.01	55.72	48.98	74.00	-25.02 peak
3	2489.064	5.61	28.68	41.01	57.39	50.67	74.00	-23.33 peak



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2470.5MHz; Value:Peak



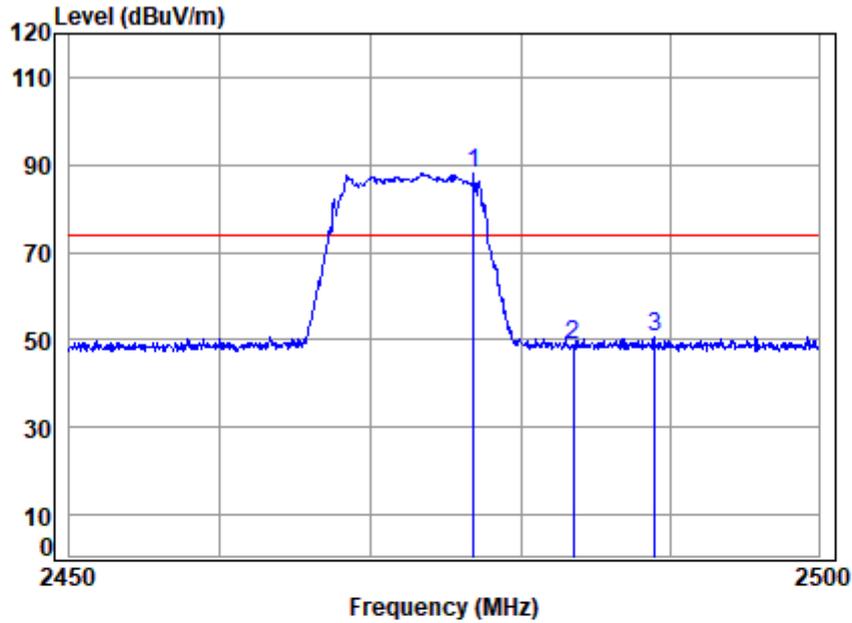
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2470.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2470.128	5.58	28.65	41.01	109.62	102.84	74.00	28.84 Peak
2	2483.500	5.60	28.67	41.01	58.27	51.53	74.00	-22.47 peak
3	2484.191	5.60	28.67	41.01	60.30	53.56	74.00	-20.44 peak



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2472.5MHz; Value:Peak



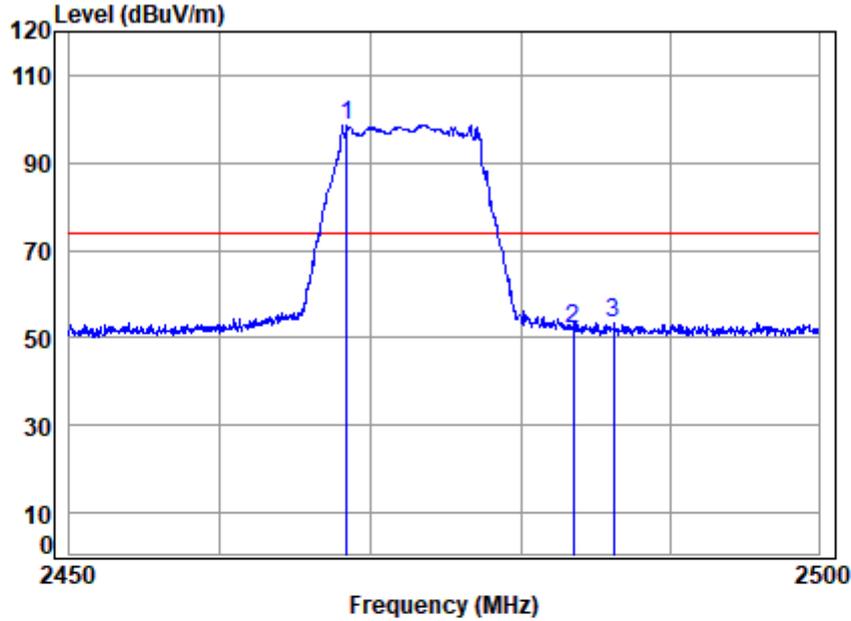
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2472.5 Band edge
 Note : 10M

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 * 2476.824	5.59	28.66	41.01	94.70	87.94	74.00	13.94	Peak
2 2483.500	5.60	28.67	41.01	55.64	48.90	74.00	-25.10	peak
3 2488.963	5.61	28.68	41.01	57.39	50.67	74.00	-23.33	peak



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2472.5MHz; Value:Peak



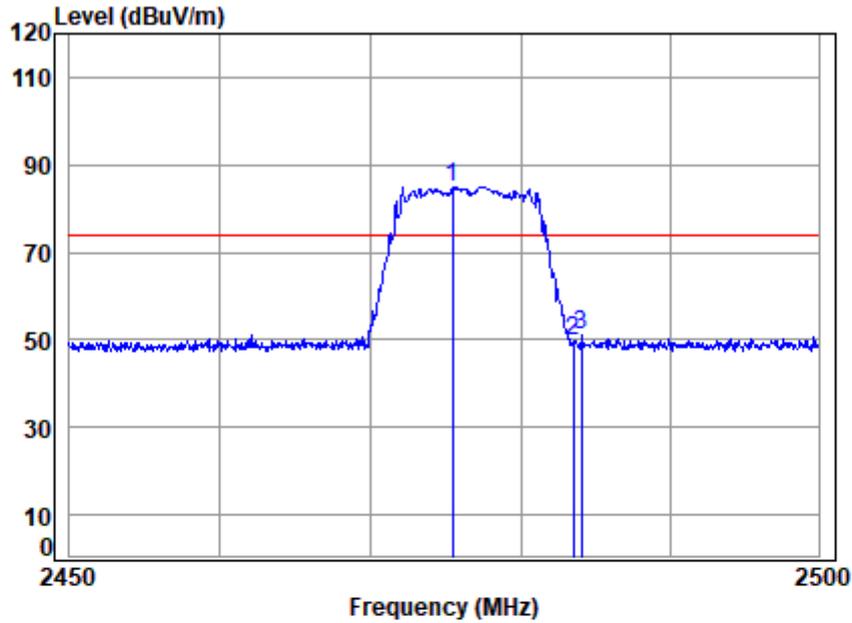
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2472.5 Band edge
 Note : 10M

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 * 2468.382	5.58	28.65	41.00	105.52	98.75	74.00	24.75	Peak
2 2483.500	5.60	28.67	41.01	58.97	52.23	74.00	-21.77	peak
3 2486.250	5.60	28.68	41.01	60.11	53.38	74.00	-20.62	peak



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



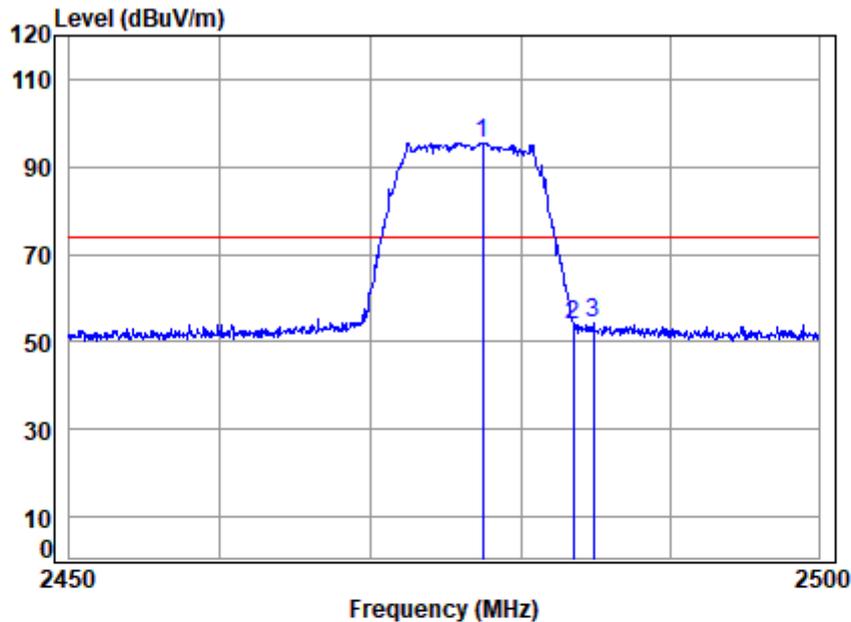
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2476.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2475.424	5.59	28.66	41.01	91.80	85.04	74.00	11.04 Peak
2	2483.500	5.60	28.67	41.01	56.41	49.67	74.00	-24.33 peak
3	2484.091	5.60	28.67	41.01	57.67	50.93	74.00	-23.07 peak



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



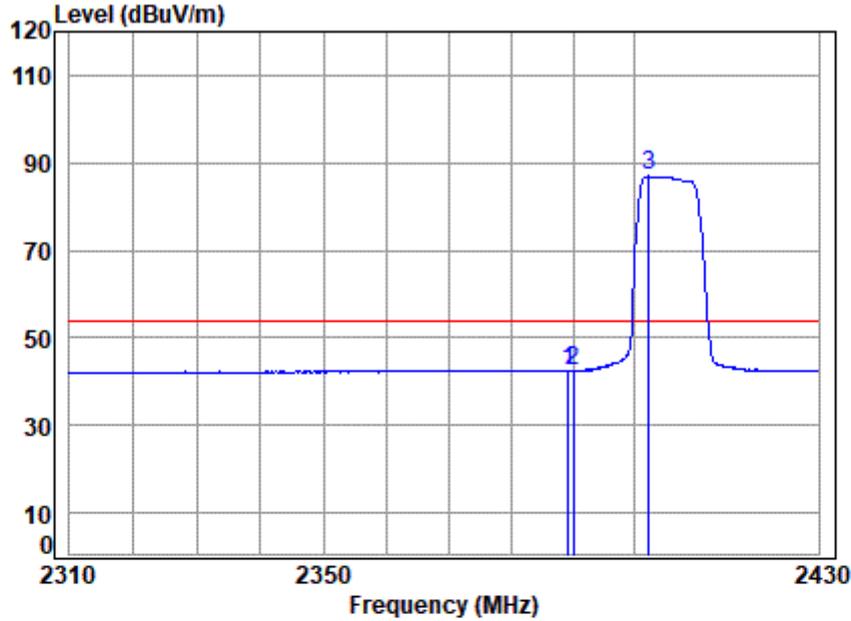
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2476.5 Band edge
 Note : 10M

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 * 2477.475	5.59	28.66	41.01	102.26	95.50	74.00	21.50	Peak
2 2483.500	5.60	28.67	41.01	60.76	54.02	74.00	-19.98	peak
3 2484.844	5.60	28.68	41.01	60.99	54.26	74.00	-19.74	peak



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



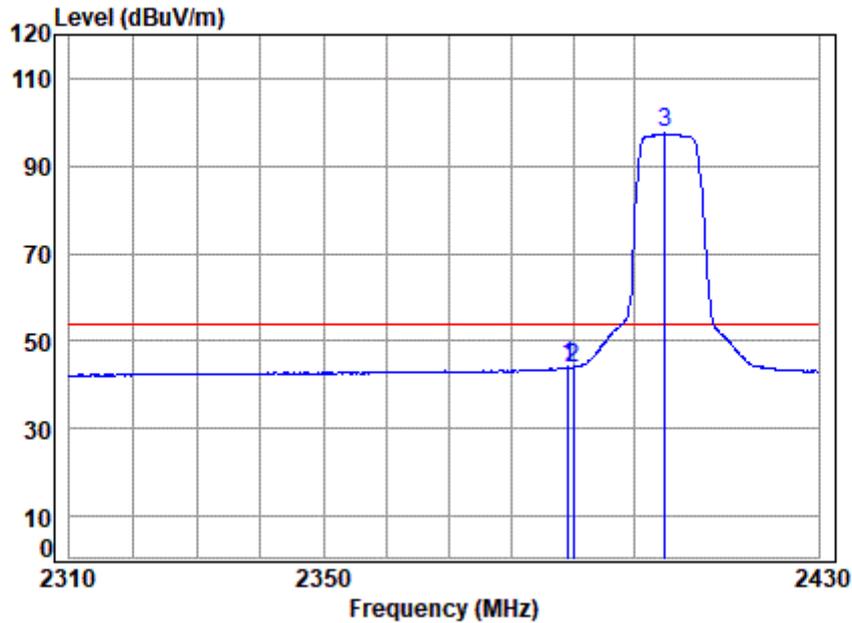
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2405.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.242	5.47	28.52	40.97	49.61	42.63	54.00	-11.37 Average
2	2390.000	5.47	28.52	40.97	49.50	42.52	54.00	-11.48 Average
3 *	2402.224	5.49	28.54	40.98	93.88	86.93	54.00	32.93 Average



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



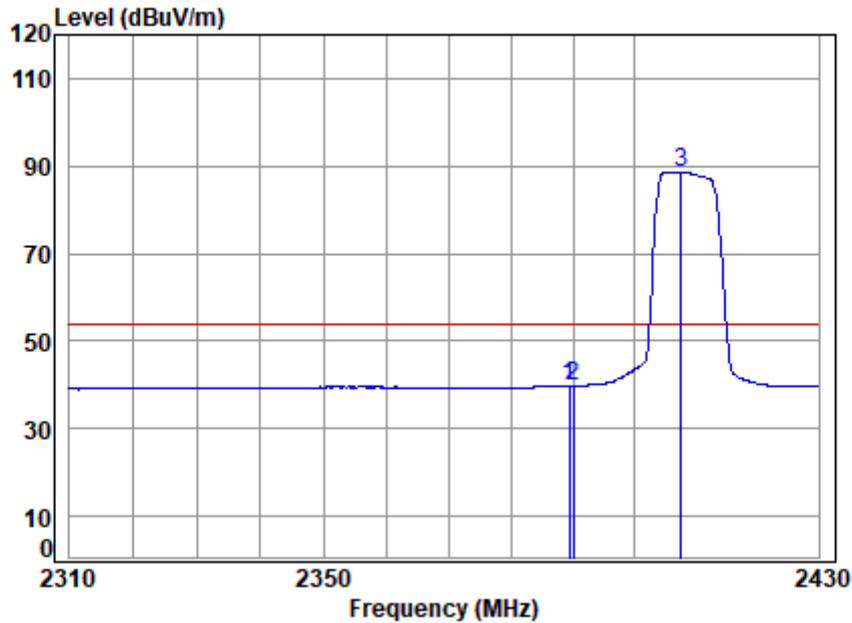
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2405.5 Band edge
 Note : 10M

	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	2389.242	5.47	28.52	40.97	51.03	44.05	54.00	-9.95	Average
2	2390.000	5.47	28.52	40.97	50.98	44.00	54.00	-10.00	Average
3 *	2404.902	5.49	28.54	40.98	104.41	97.46	54.00	43.46	Average



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2408.5MHz; Value:Average



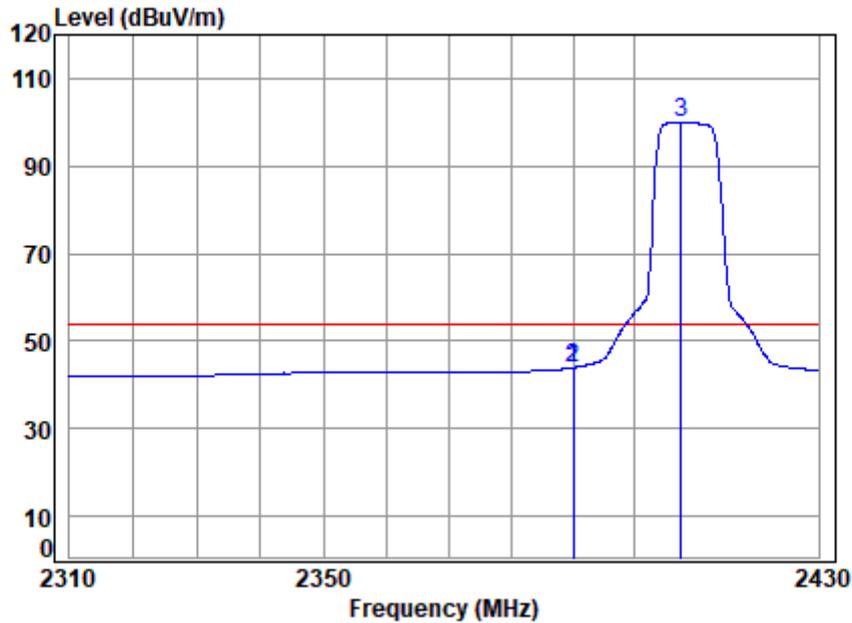
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2408.5 Band edge
 Note : 10M

	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	2389.363	5.47	28.52	40.97	46.67	39.69	54.00	-14.31	Average
2	2390.000	5.47	28.52	40.97	46.67	39.69	54.00	-14.31	Average
3 *	2407.500	5.50	28.55	40.98	95.67	88.74	54.00	34.74	Average



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2408.5MHz; Value:Average



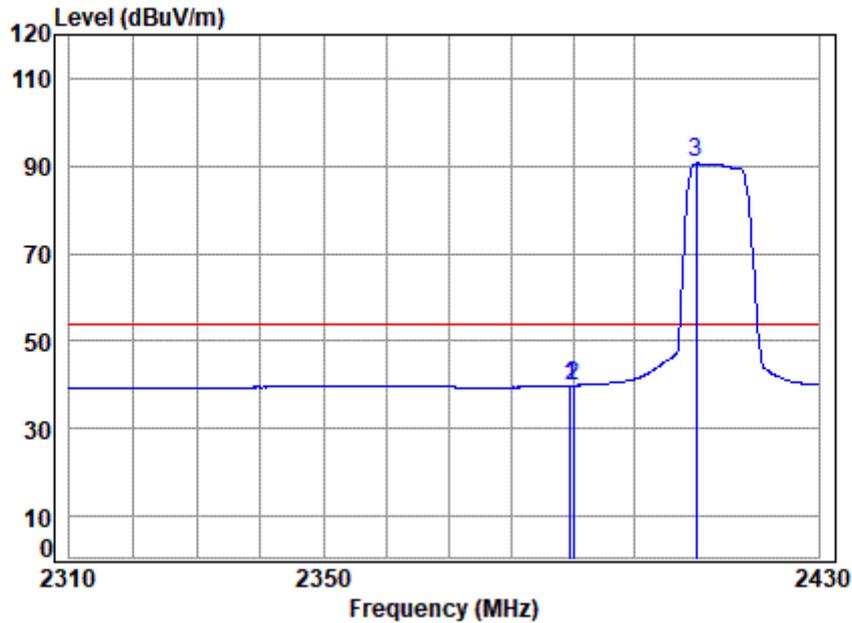
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2408.5 Band edge
 Note : 10M

	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	5.47	28.52	40.97	50.90	43.92	54.00	-10.08	Average
2	2390.000	5.47	28.52	40.97	50.90	43.92	54.00	-10.08	Average
3 *	2407.500	5.50	28.55	40.98	107.07	100.14	54.00	46.14	Average



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2413.5MHz; Value:Average



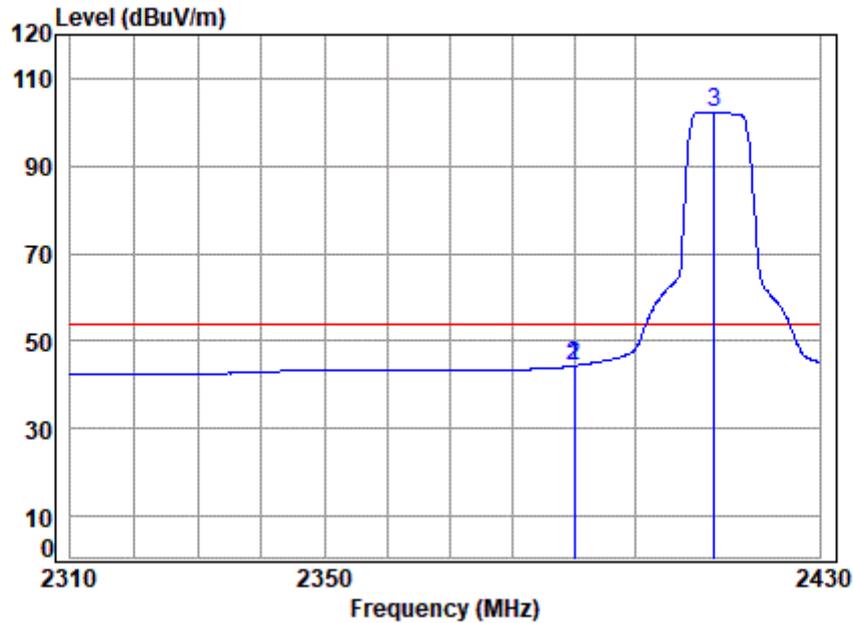
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2413.5 Band edge
 Note : 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2389.484	5.47	28.52	40.97	46.87	39.89	54.00	-14.11 Average
2	2390.000	5.47	28.52	40.97	46.84	39.86	54.00	-14.14 Average
3 *	2410.023	5.50	28.55	40.98	97.52	90.59	54.00	36.59 Average



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2413.5MHz; Value:Average



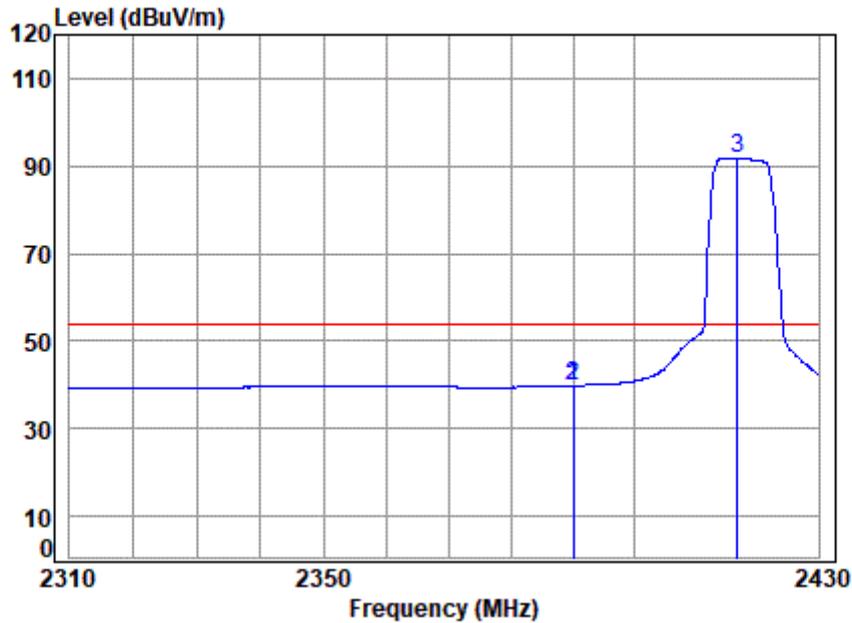
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2413.5 Band edge
 Note : 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2389.968	5.47	28.52	40.97	51.32	44.34	54.00	-9.66 Average
2	2390.000	5.47	28.52	40.97	51.32	44.34	54.00	-9.66 Average
3 *	2412.710	5.51	28.56	40.98	109.27	102.36	54.00	48.36 Average



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



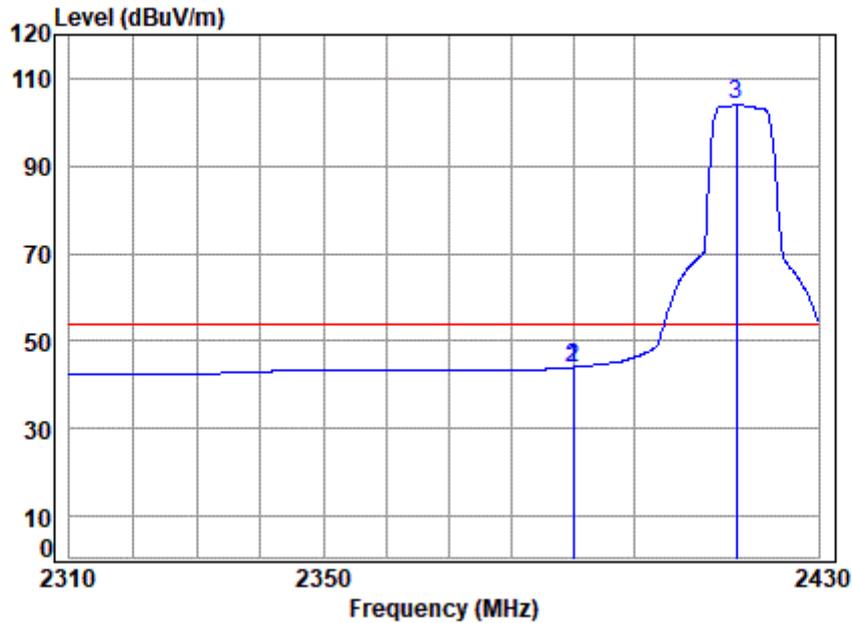
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 10M

	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	5.47	28.52	40.97	46.79	39.81	54.00	-14.19	Average
2	2390.000	5.47	28.52	40.97	46.79	39.81	54.00	-14.19	Average
3 *	2416.745	5.51	28.56	40.98	98.73	91.82	54.00	37.82	Average



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



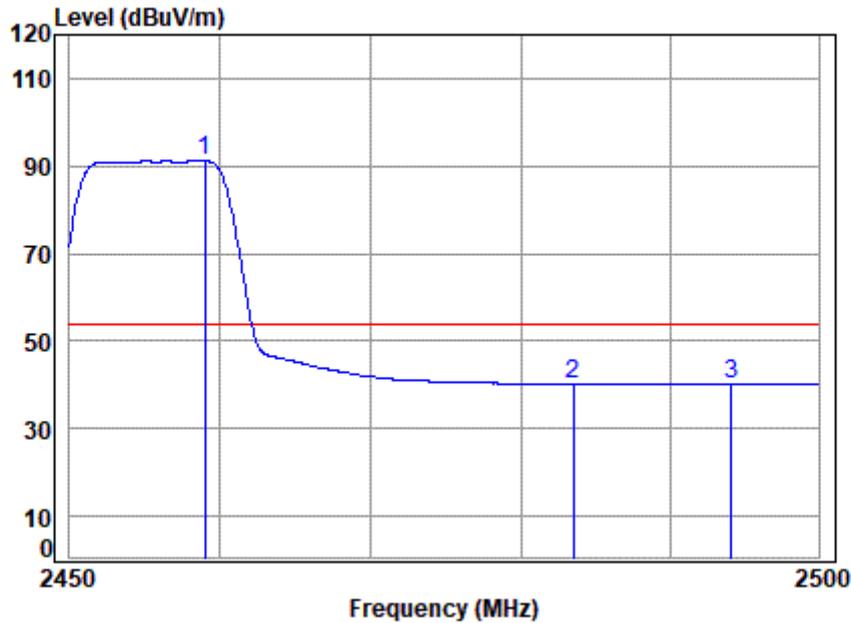
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 10M

	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	5.47	28.52	40.97	51.00	44.02	54.00	-9.98	Average
2	2390.000	5.47	28.52	40.97	51.00	44.02	54.00	-9.98	Average
3 *	2416.623	5.51	28.56	40.98	110.87	103.96	54.00	49.96	Average



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



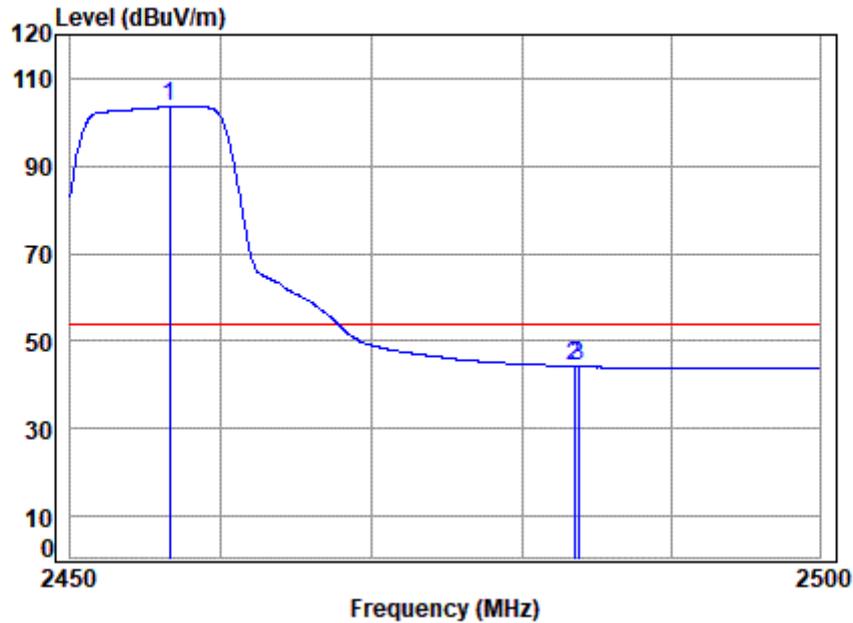
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2455.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2458.975	5.57	28.63	41.00	97.94	91.14	54.00	37.14 Average
2	2483.500	5.60	28.67	41.01	46.93	40.19	54.00	-13.81 Average
3	2494.098	5.61	28.69	41.02	47.00	40.28	54.00	-13.72 Average



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



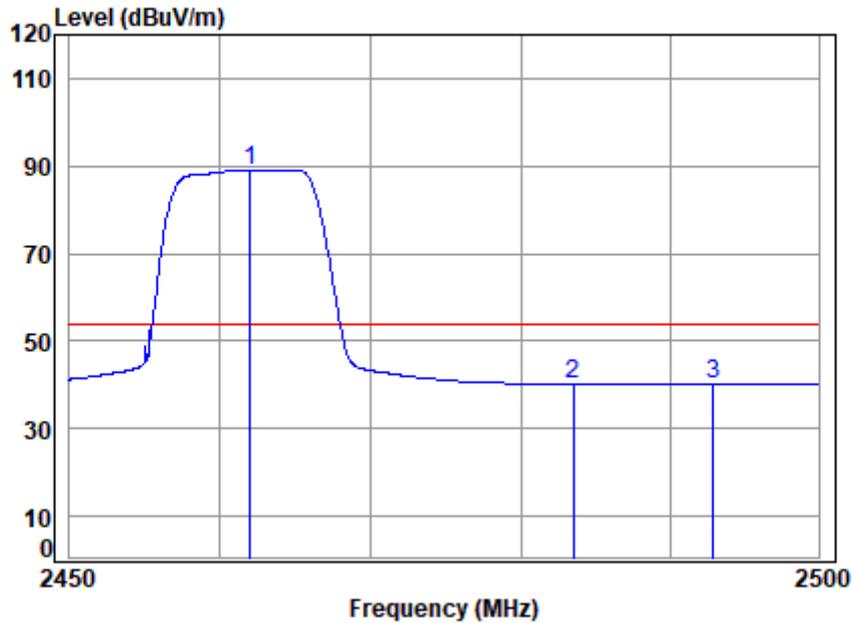
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2455.5 Band edge
 Note : 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 *	2456.542	5.56	28.63	41.00	110.24	103.43	54.00	49.43 Average
2	2483.500	5.60	28.67	41.01	50.94	44.20	54.00	-9.80 Average
3	2483.790	5.60	28.67	41.01	50.92	44.18	54.00	-9.82 Average



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2461.5MHz; Value:Average



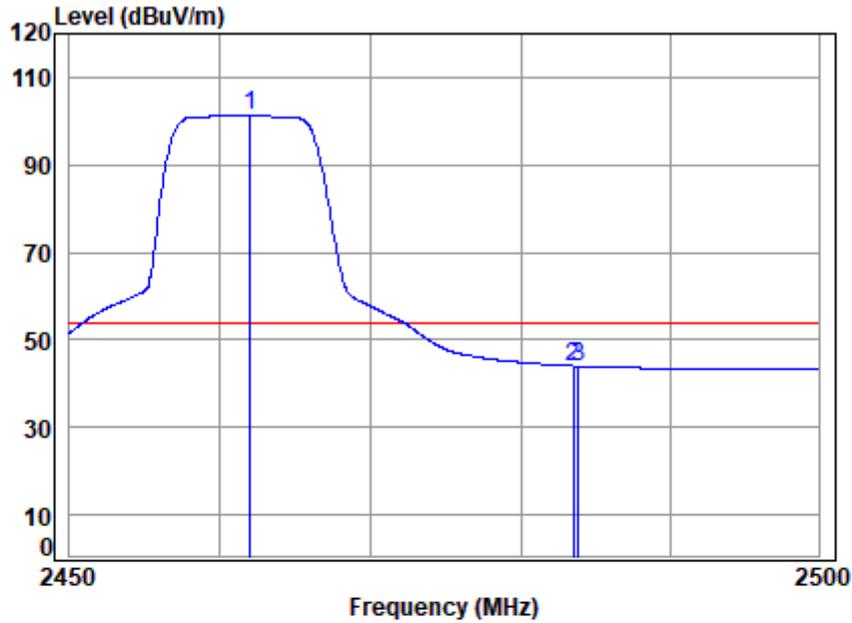
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2461.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	5.57	28.64	41.00	95.95	89.16	54.00	35.16	Average
2	5.60	28.67	41.01	46.88	40.14	54.00	-13.86	Average
3	5.61	28.69	41.01	46.86	40.15	54.00	-13.85	Average



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2461.5MHz; Value:Average



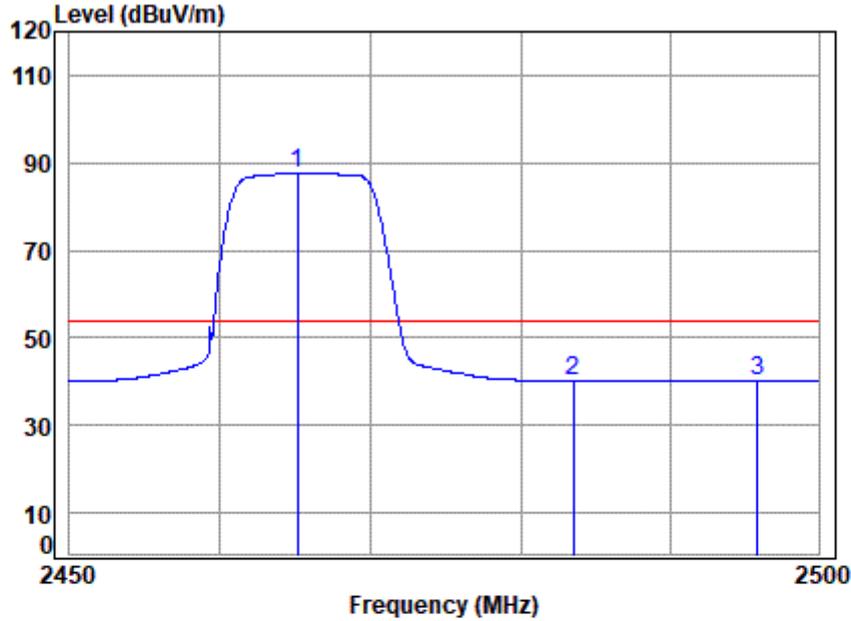
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2461.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2462.000	5.57	28.64	41.00	108.22	101.43	54.00	47.43 Average
2	2483.500	5.60	28.67	41.01	50.76	44.02	54.00	-9.98 Average
3	2483.840	5.60	28.67	41.01	50.74	44.00	54.00	-10.00 Average



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2465.5MHz; Value:Average



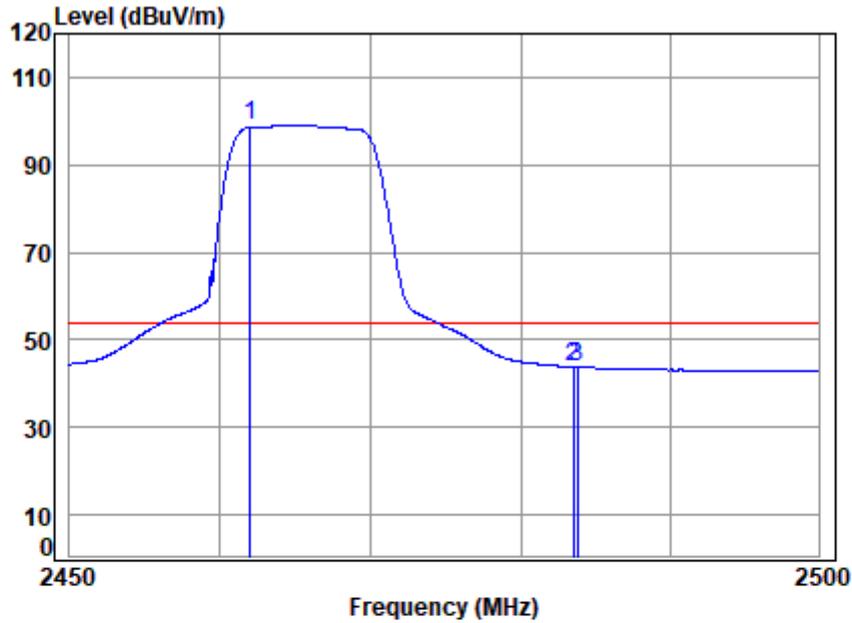
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2465.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 2465.093	5.57	28.64	41.00	94.57	87.78	54.00	33.78	Average
2 2483.500	5.60	28.67	41.01	46.81	40.07	54.00	-13.93	Average
3 2495.862	5.61	28.69	41.02	46.80	40.08	54.00	-13.92	Average



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2465.5MHz; Value:Average



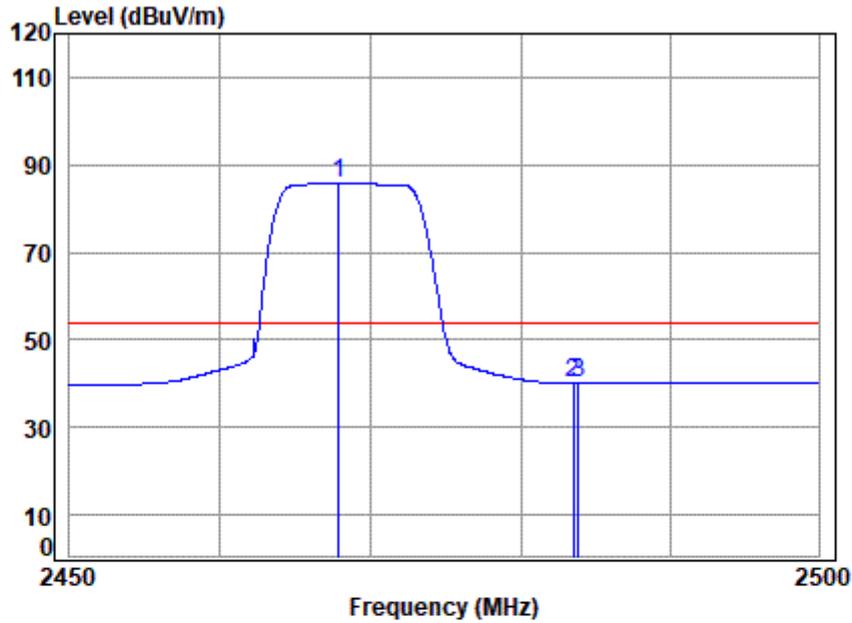
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2465.5 Band edge
 Note : 10M

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 * 2462.000	5.57	28.64	41.00	105.78	98.99	54.00	44.99	Average
2 2483.500	5.60	28.67	41.01	50.58	43.84	54.00	-10.16	Average
3 2483.790	5.60	28.67	41.01	50.51	43.77	54.00	-10.23	Average



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2468.5MHz; Value:Average



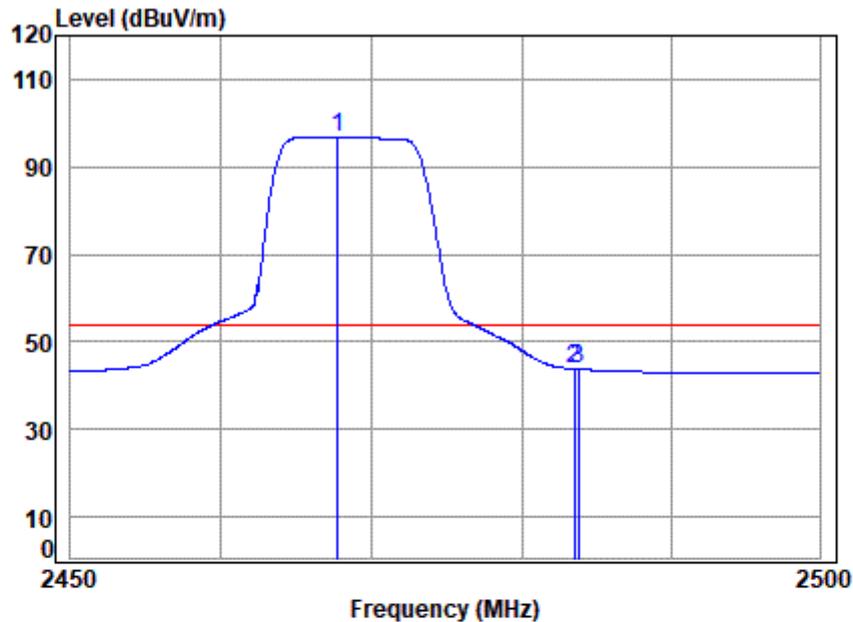
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2468.5 Band edge
 Note : 10M

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 * 2467.884	5.58	28.65	41.00	92.65	85.88	54.00	31.88	Average
2 2483.500	5.60	28.67	41.01	46.82	40.08	54.00	-13.92	Average
3 2483.890	5.60	28.67	41.01	46.81	40.07	54.00	-13.93	Average



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2468.5MHz; Value:Average



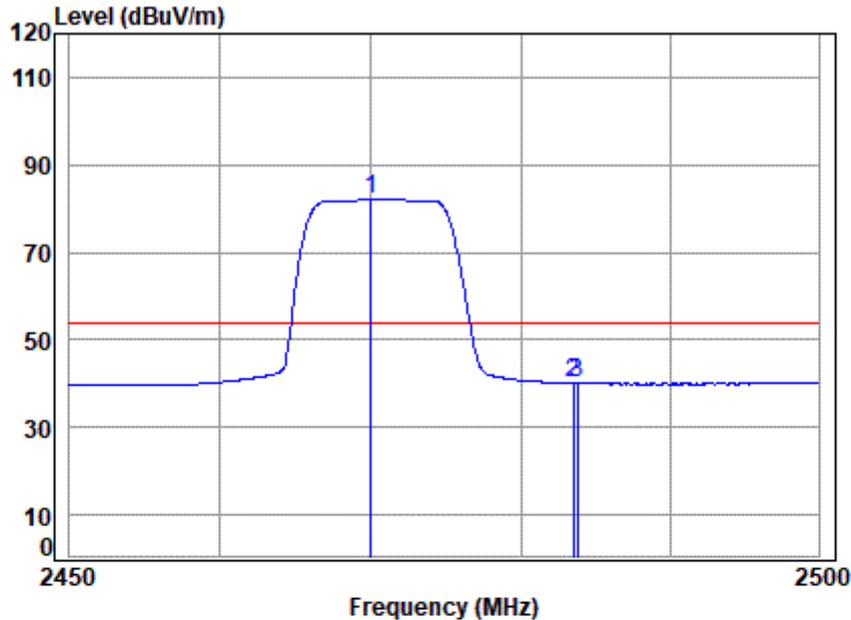
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2468.5 Band edge
 Note : 10M

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 * 2467.734	5.58	28.65	41.00	103.72	96.95	54.00	42.95	Average
2 2483.500	5.60	28.67	41.01	50.60	43.86	54.00	-10.14	Average
3 2483.790	5.60	28.67	41.01	50.49	43.75	54.00	-10.25	Average



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2470.5MHz; Value:Average



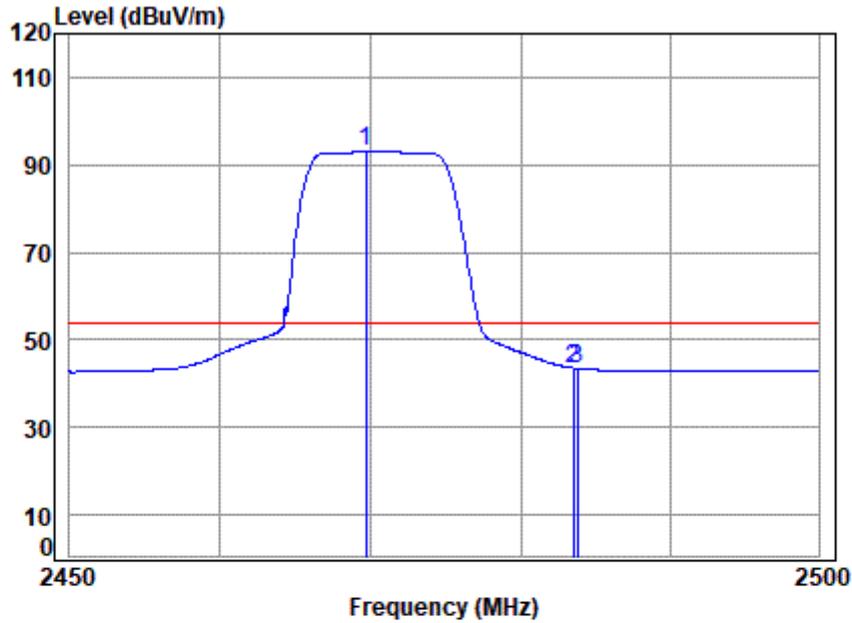
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2470.5 Band edge
 Note : 10M

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 * 2470.029	5.58	28.65	41.01	88.82	82.04	54.00	28.04	Average
2 2483.500	5.60	28.67	41.01	46.73	39.99	54.00	-14.01	Average
3 2483.790	5.60	28.67	41.01	46.73	39.99	54.00	-14.01	Average



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2470.5MHz; Value:Average



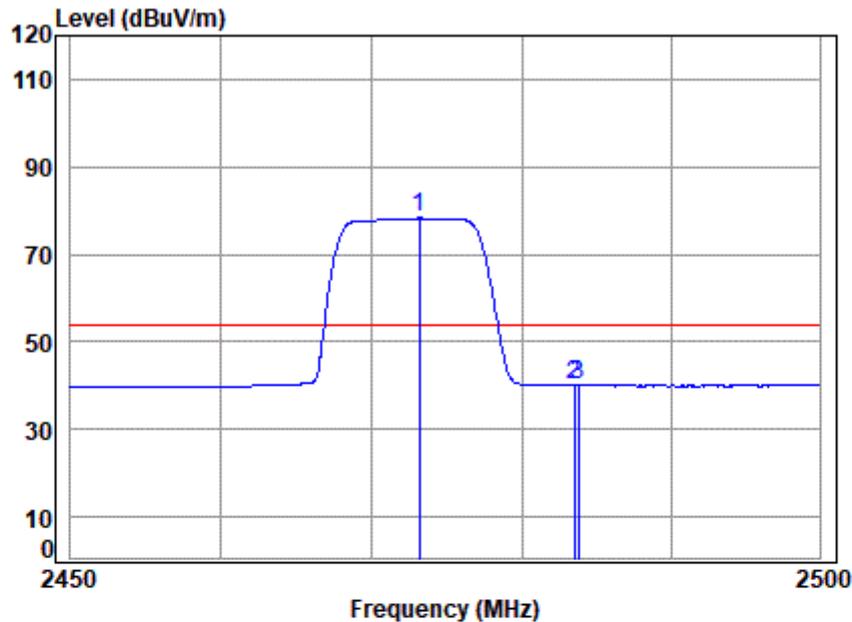
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2470.5 Band edge
 Note : 10M

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 * 2469.679	5.58	28.65	41.01	99.84	93.06	54.00	39.06	Average
2 2483.500	5.60	28.67	41.01	50.28	43.54	54.00	-10.46	Average
3 2483.790	5.60	28.67	41.01	50.15	43.41	54.00	-10.59	Average



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2472.5MHz; Value:Average



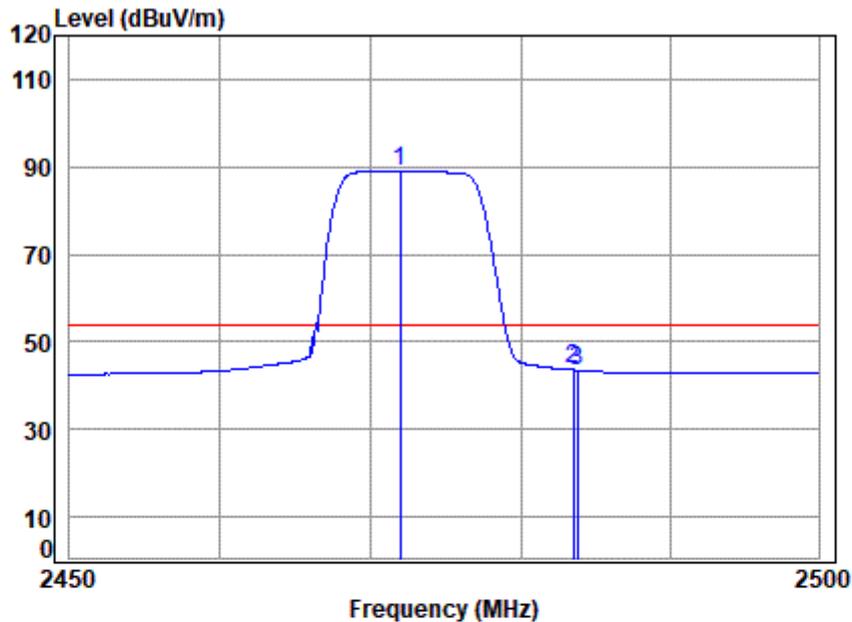
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2472.5 Band edge
 Note : 10M

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 * 2473.174	5.59	28.66	41.01	85.02	78.26	54.00	24.26	Average
2 2483.500	5.60	28.67	41.01	46.76	40.02	54.00	-13.98	Average
3 2483.790	5.60	28.67	41.01	46.75	40.01	54.00	-13.99	Average



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2472.5MHz; Value:Average



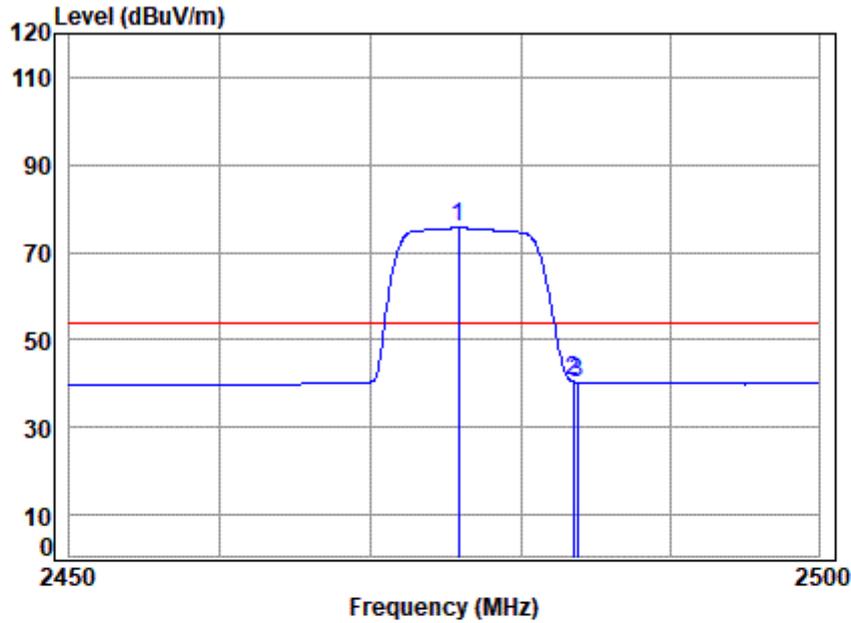
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2472.5 Band edge
 Note : 10M

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2471.976	5.58	28.65	41.01	95.94	89.16	54.00	35.16 Average
2	2483.500	5.60	28.67	41.01	50.34	43.60	54.00	-10.40 Average
3	2483.790	5.60	28.67	41.01	50.24	43.50	54.00	-10.50 Average



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



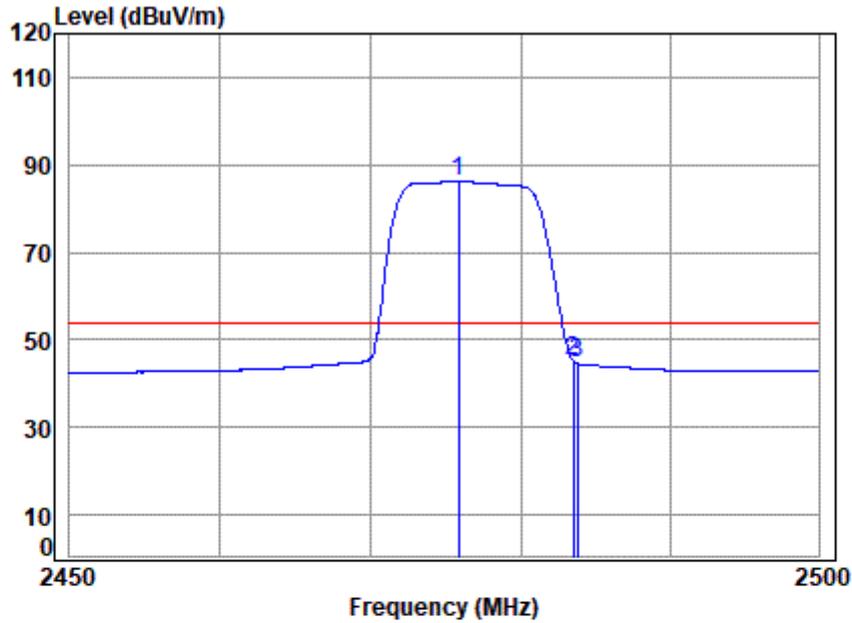
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2476.5 Band edge
 Note : 10M

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 * 2475.874	5.59	28.66	41.01	82.35	75.59	54.00	21.59	Average
2 2483.500	5.60	28.67	41.01	47.21	40.47	54.00	-13.53	Average
3 2483.790	5.60	28.67	41.01	47.01	40.27	54.00	-13.73	Average



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2476.5 Band edge
 Note : 10M

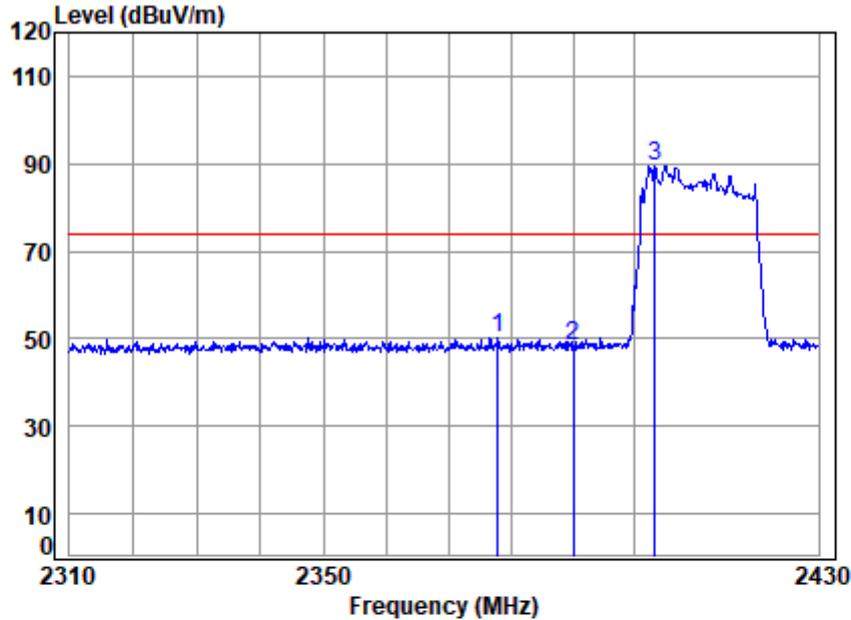
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 2475.824	5.59	28.66	41.01	92.93	86.17	54.00	32.17	Average
2 2483.500	5.60	28.67	41.01	52.07	45.33	54.00	-8.67	Average
3 2483.790	5.60	28.67	41.01	51.37	44.63	54.00	-9.37	Average



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For 20MHz BW

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



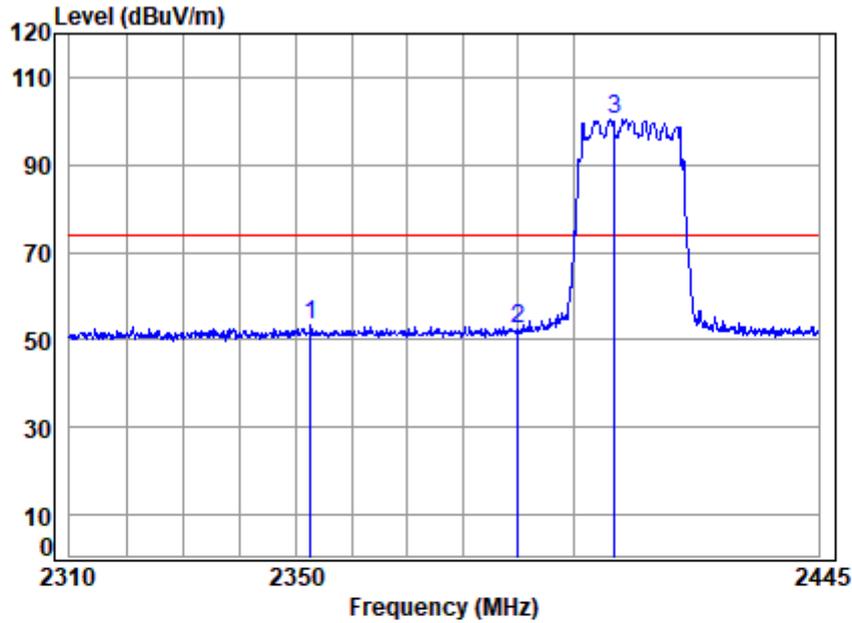
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2410.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2377.895	5.46	28.50	40.97	57.32	50.31	74.00	-23.69 peak
2	2390.000	5.47	28.52	40.97	55.56	48.58	74.00	-25.42 peak
3 *	2403.198	5.49	28.54	40.98	96.34	89.39	74.00	15.39 Peak



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



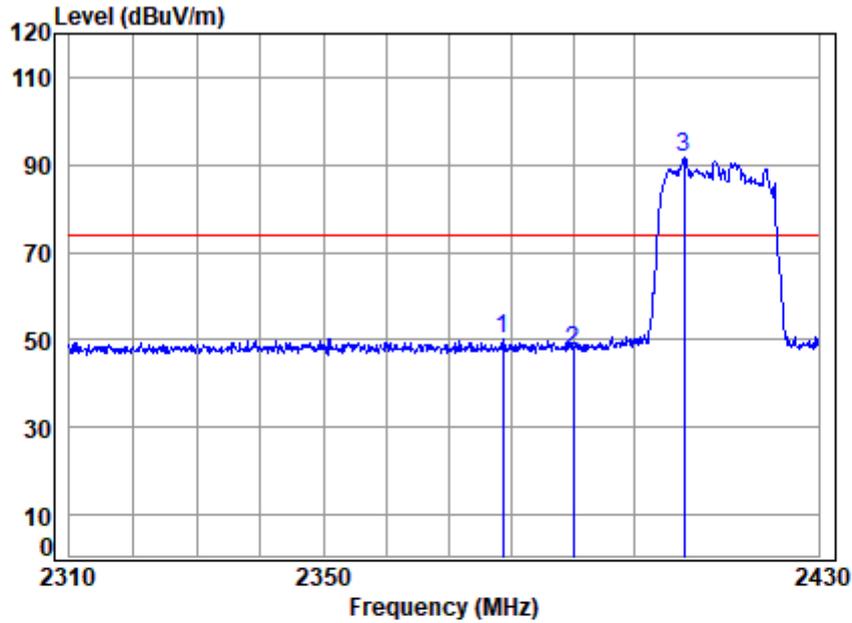
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2410.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2352.636	5.42	28.45	40.96	60.44	53.35	74.00	-20.65 peak
2	2390.000	5.47	28.52	40.97	59.48	52.50	74.00	-21.50 peak
3 *	2407.500	5.50	28.55	40.98	107.17	100.24	74.00	26.24 peak



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2413.5MHz; Value:Peak



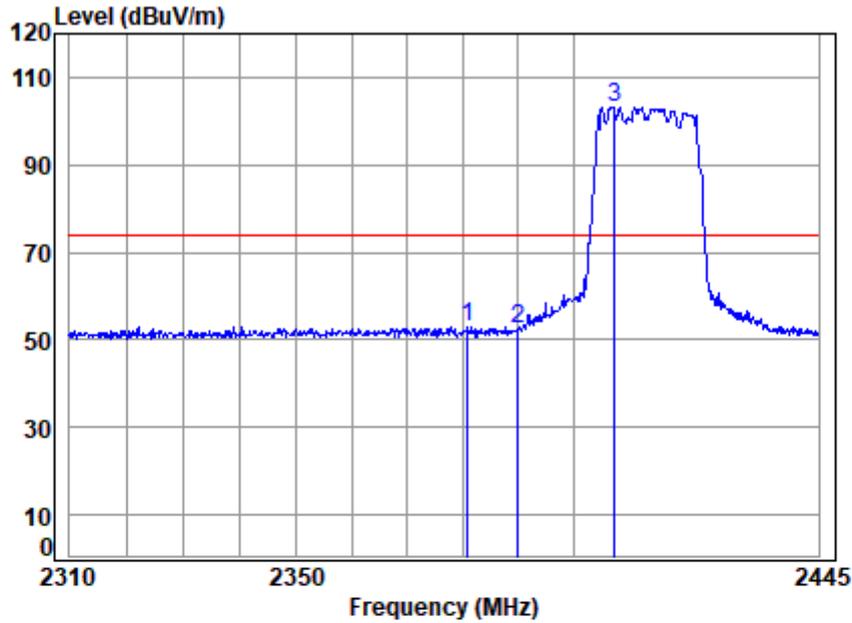
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2413.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2378.618	5.46	28.50	40.97	57.37	50.36	74.00	-23.64 peak
2	2390.000	5.47	28.52	40.97	54.48	47.50	74.00	-26.50 peak
3 *	2407.949	5.50	28.55	40.98	98.51	91.58	74.00	17.58 Peak



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2413.5MHz; Value:Peak



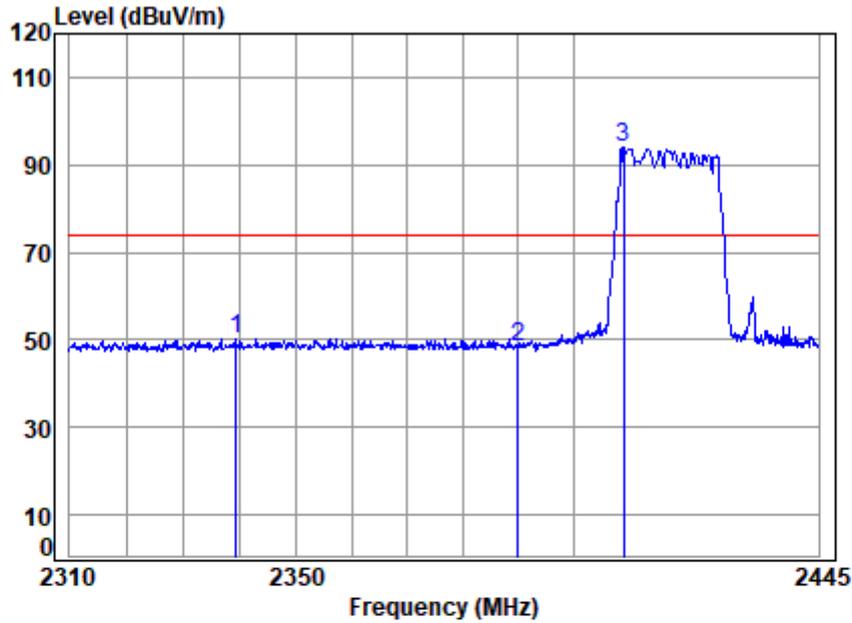
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2413.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2380.865	5.46	28.50	40.97	60.10	53.09	74.00	-20.91 peak
2	2390.000	5.47	28.52	40.97	59.67	52.69	74.00	-21.31 peak
3 *	2407.500	5.50	28.55	40.98	109.94	103.01	74.00	29.01 peak



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2417.5MHz; Value:Peak



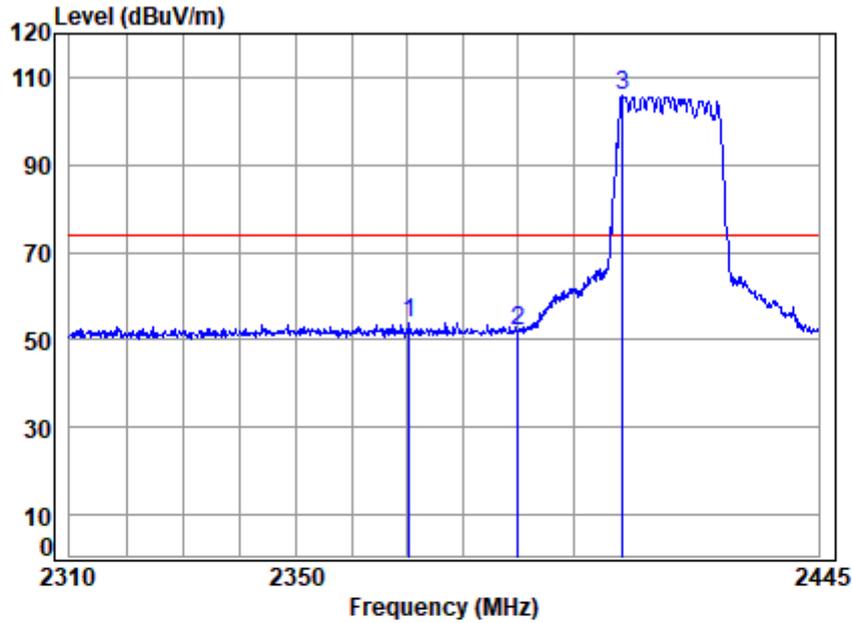
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2339.444	5.41	28.43	40.95	57.47	50.36	74.00	-23.64 peak
2	2390.000	5.47	28.52	40.97	55.49	48.51	74.00	-25.49 peak
3 *	2409.159	5.50	28.55	40.98	100.90	93.97	74.00	19.97 Peak



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2417.5MHz; Value:Peak



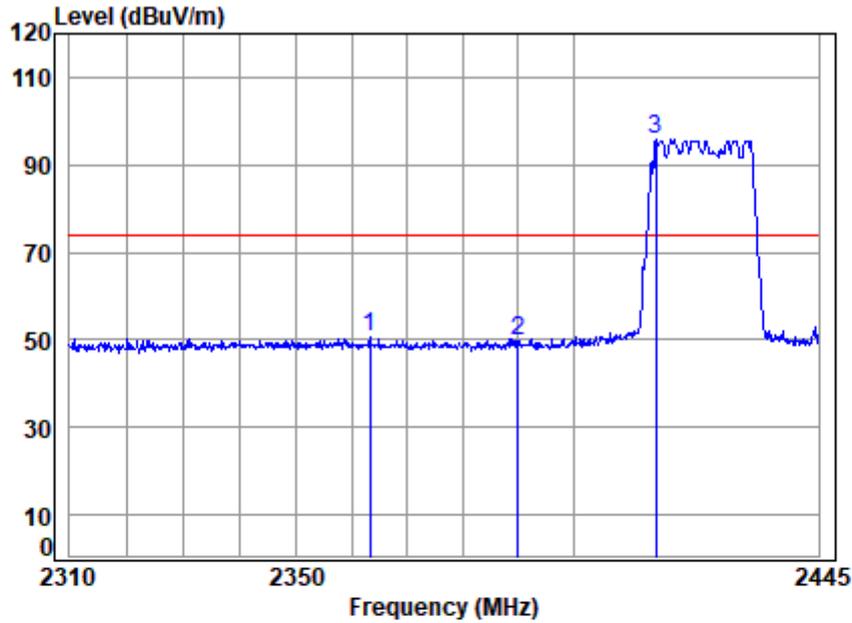
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2370.341	5.45	28.49	40.96	60.83	53.81	74.00	-20.19 peak
2	2390.000	5.47	28.52	40.97	59.12	52.14	74.00	-21.86 peak
3 *	2408.885	5.50	28.55	40.98	112.68	105.75	74.00	31.75 Peak



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2423.5MHz; Value:Peak



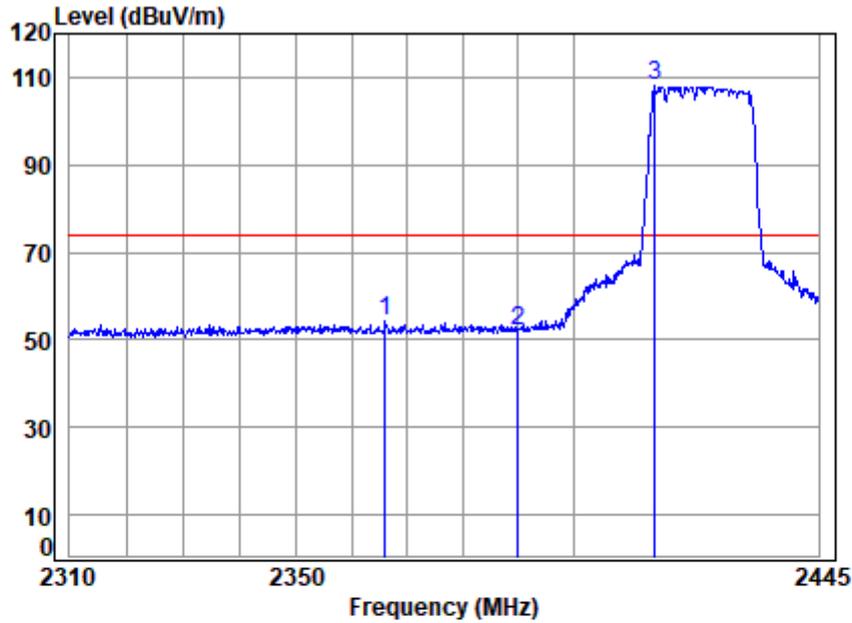
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2423.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2363.216	5.44	28.47	40.96	57.50	50.45	74.00	-23.55 peak
2	2390.000	5.47	28.52	40.97	56.66	49.68	74.00	-24.32 peak
3 *	2415.050	5.51	28.56	40.98	102.66	95.75	74.00	21.75 Peak



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2423.5MHz; Value:Peak



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2423.5 Band edge
 Note : 20M

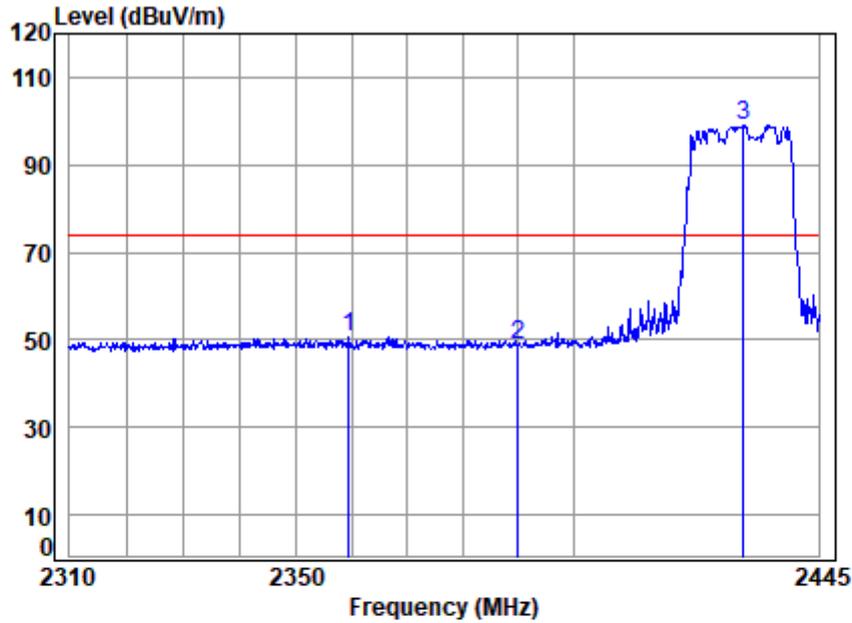
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2366.036	5.44	28.48	40.96	61.43	54.39	74.00	-19.61 peak
2	2390.000	5.47	28.52	40.97	59.09	52.11	74.00	-21.89 peak
3 *	2414.776	5.51	28.56	40.98	114.93	108.02	74.00	34.02 Peak



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



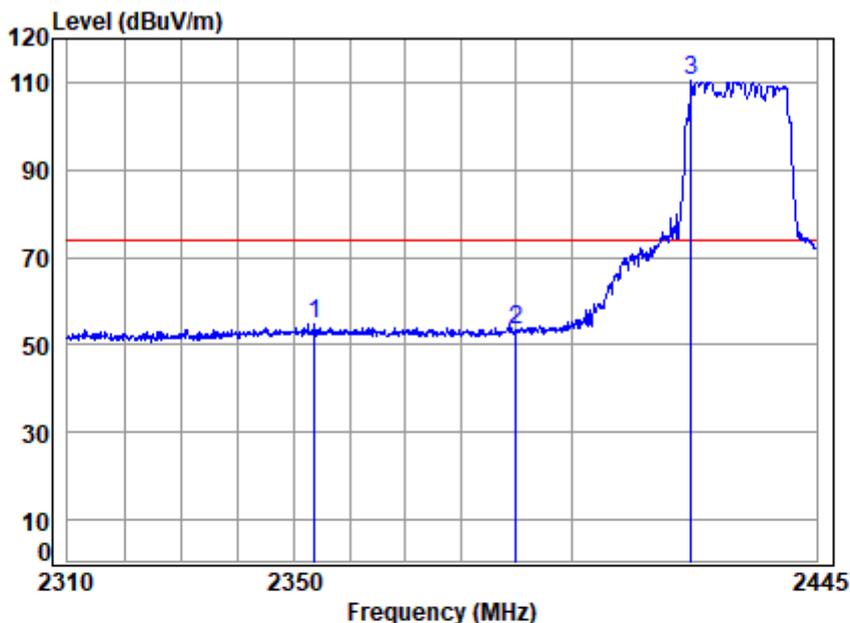
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2430.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2359.461	5.43	28.47	40.96	57.93	50.87	74.00	-23.13 peak
2	2390.000	5.47	28.52	40.97	55.71	48.73	74.00	-25.27 peak
3 *	2431.152	5.53	28.59	40.99	105.72	98.85	74.00	24.85 Peak



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



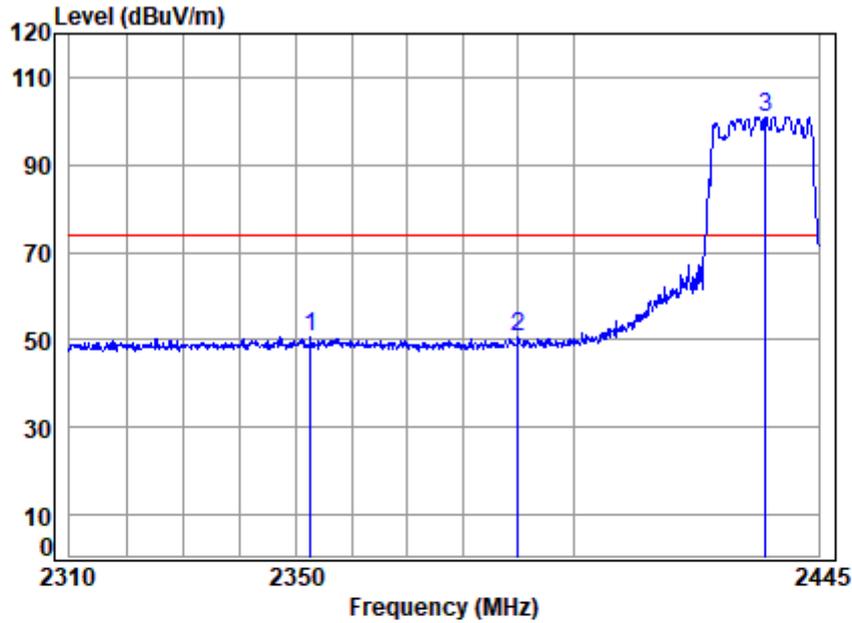
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2430.5 Band edge
 Note : 20M

	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	2353.705	5.43	28.46	40.96	61.98	54.91	74.00	-19.09	peak
2	2390.000	5.47	28.52	40.97	60.22	53.24	74.00	-20.76	peak
3 *	2421.781	5.52	28.57	40.99	117.19	110.29	74.00	36.29	Peak



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



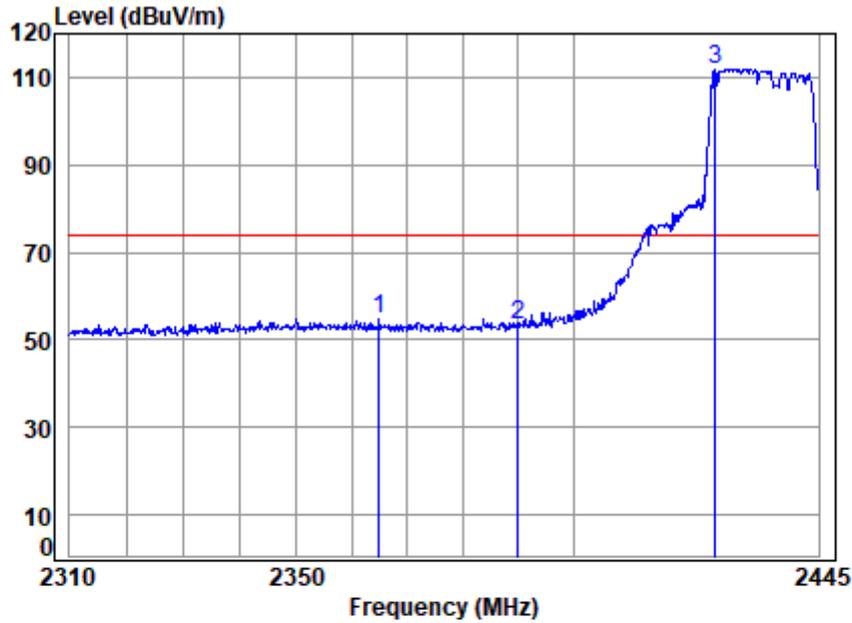
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2434.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2352.636	5.42	28.45	40.96	57.66	50.57	74.00	-23.43 peak
2	2390.000	5.47	28.52	40.97	57.53	50.55	74.00	-23.45 peak
3 *	2435.160	5.54	28.59	40.99	107.90	101.04	74.00	27.04 Peak



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



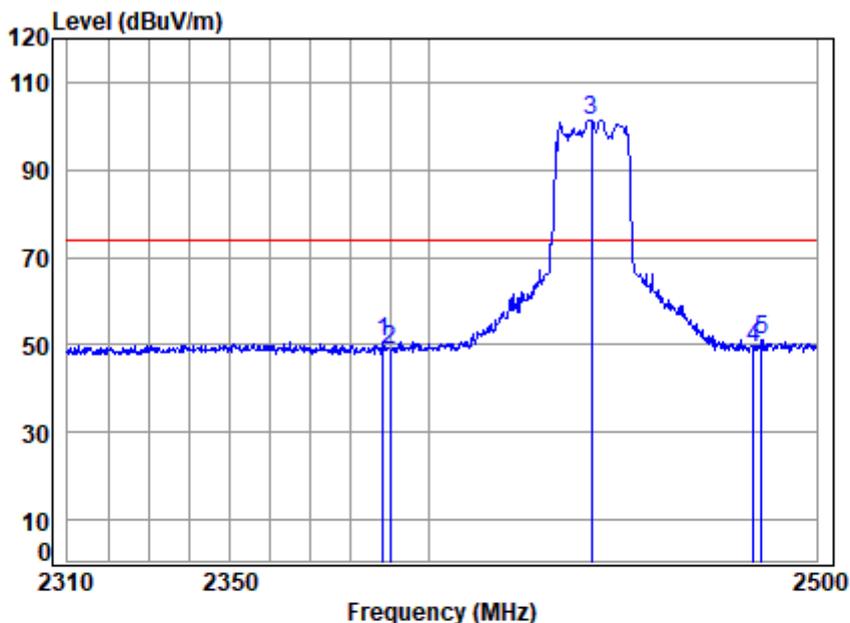
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2434.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2364.961	5.44	28.48	40.96	61.73	54.69	74.00	-19.31 peak
2	2390.000	5.47	28.52	40.97	60.24	53.26	74.00	-20.74 peak
3 *	2425.911	5.52	28.58	40.99	118.78	111.89	74.00	37.89 Peak



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



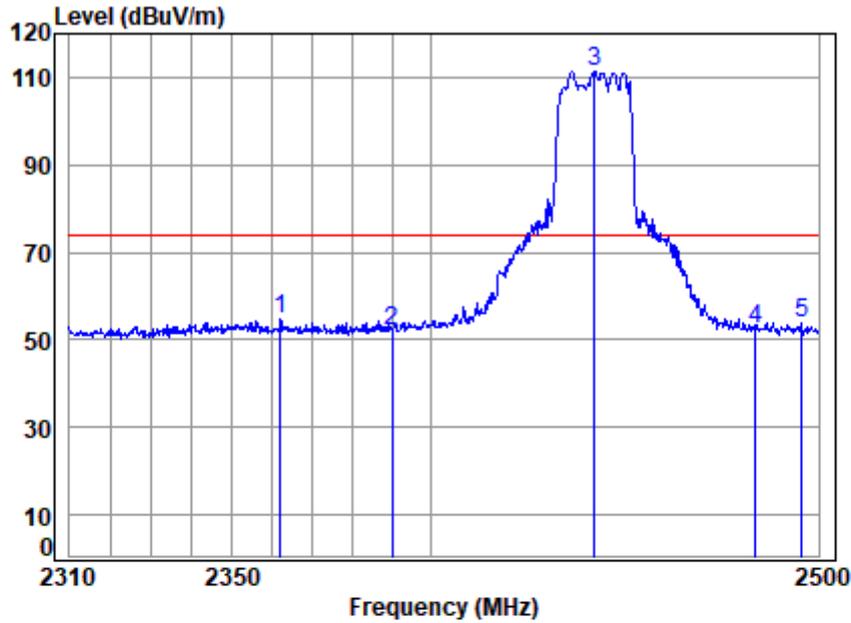
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.352	5.47	28.52	40.97	57.85	50.87	74.00	-23.13 Peak
2	2390.000	5.47	28.52	40.97	55.63	48.65	74.00	-25.35 Peak
3 *	2441.415	5.54	28.60	40.99	108.17	101.32	74.00	27.32 Peak
4	2483.500	5.60	28.67	41.01	56.14	49.40	74.00	-24.60 Peak
5	2485.616	5.60	28.68	41.01	57.99	51.26	74.00	-22.74 Peak



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



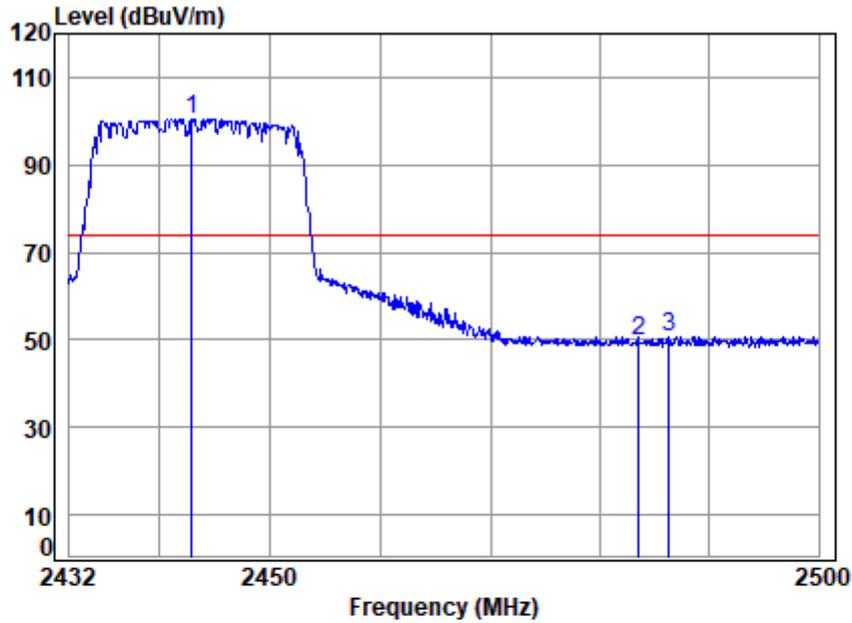
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 Band edge
 Note : 20M

	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	2362.068	5.44	28.47	40.96	61.71	54.66	74.00	-19.34	Peak
2	2390.000	5.47	28.52	40.97	59.03	52.05	74.00	-21.95	Peak
3 *	2441.608	5.54	28.60	40.99	118.02	111.17	74.00	37.17	Peak
4	2483.500	5.60	28.67	41.01	59.38	52.64	74.00	-21.36	Peak
5	2495.656	5.61	28.69	41.02	60.76	54.04	74.00	-19.96	Peak



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2443.5MHz; Value:Peak



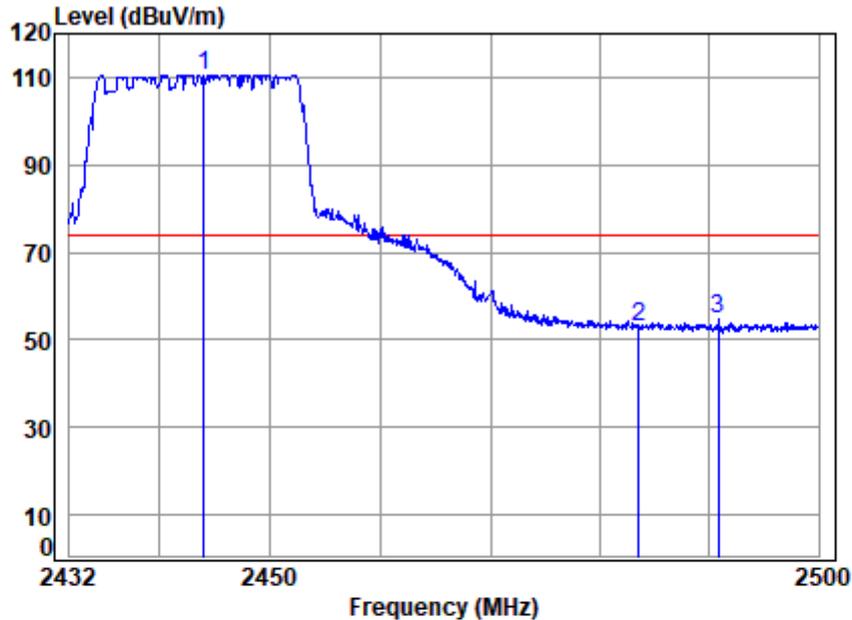
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2443.5 Band edge
 Note : 20M

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 * 2443.024	5.55	28.61	40.99	107.25	100.42	74.00	26.42	Peak
2 2483.500	5.60	28.67	41.01	56.29	49.55	74.00	-24.45	peak
3 2486.250	5.60	28.68	41.01	57.52	50.79	74.00	-23.21	peak



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2443.5MHz; Value:Peak



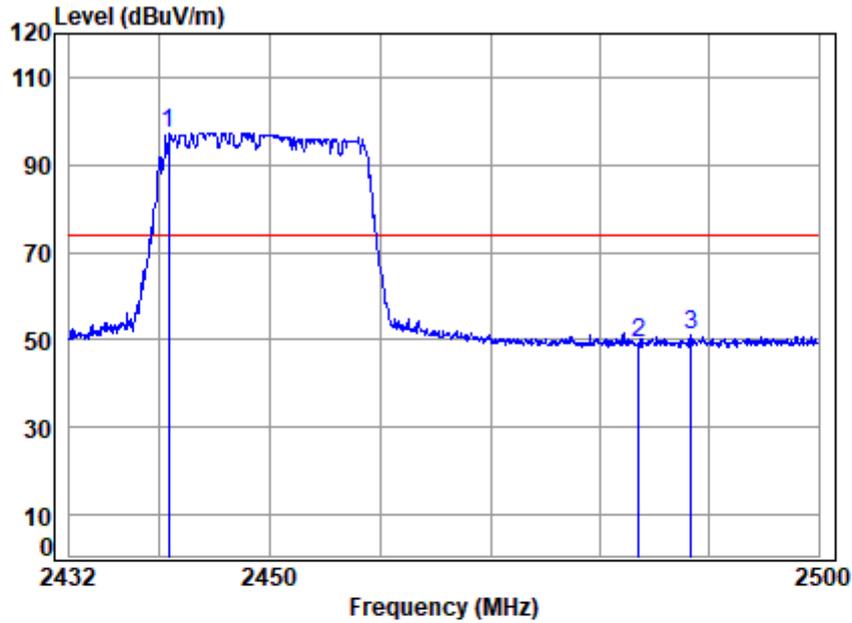
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2443.5 Band edge
 Note : 20M

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 * 2444.035	5.55	28.61	40.99	117.40	110.57	74.00	36.57	Peak
2 2483.500	5.60	28.67	41.01	59.47	52.73	74.00	-21.27	peak
3 2490.779	5.61	28.69	41.01	61.56	54.85	74.00	-19.15	peak



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2449.5MHz; Value:Peak



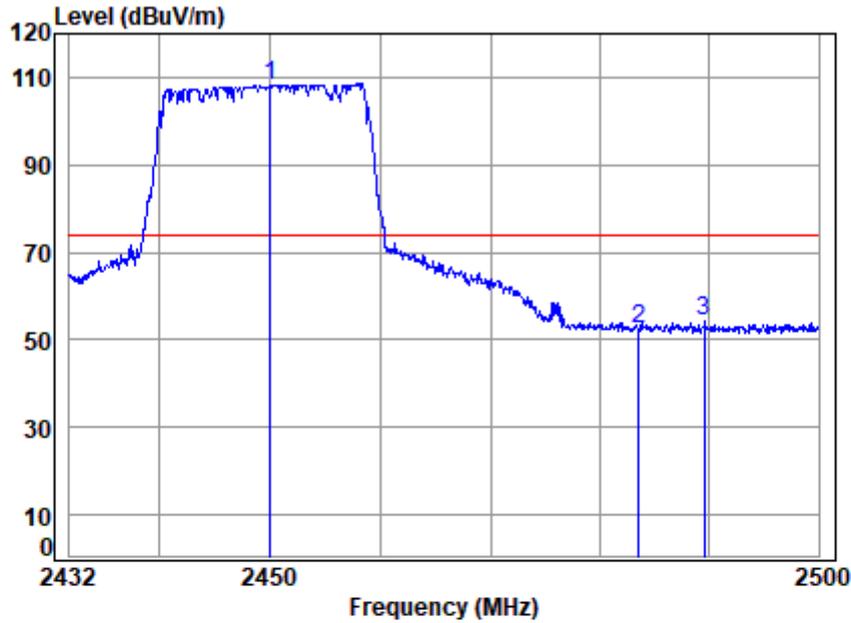
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2449.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2440.936	5.54	28.60	40.99	104.08	97.23	74.00	23.23 Peak
2	2483.500	5.60	28.67	41.01	56.19	49.45	74.00	-24.55 peak
3	2488.307	5.60	28.68	41.01	57.79	51.06	74.00	-22.94 peak



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2449.5MHz; Value:Peak



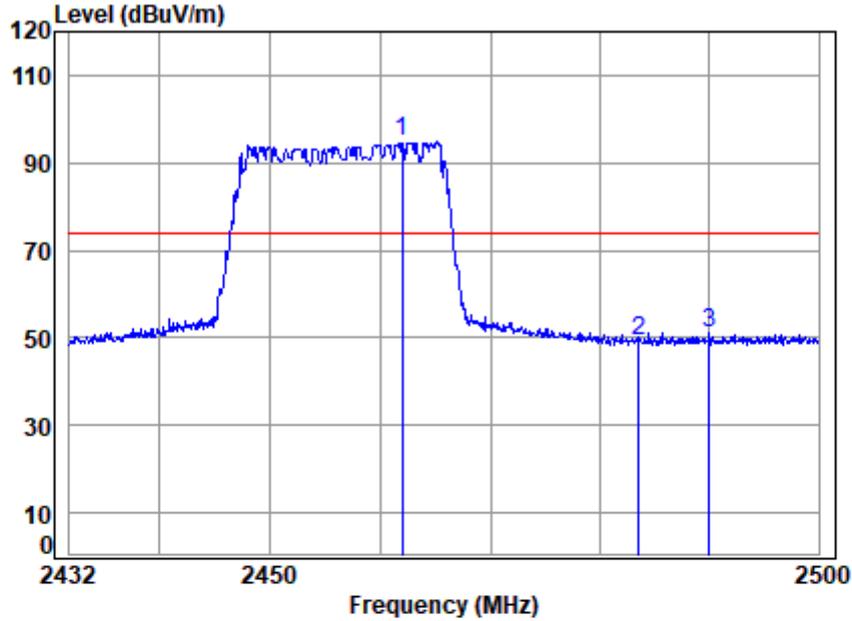
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2449.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 2450.041	5.55	28.62	41.00	114.93	108.10	74.00	34.10	Peak
2 2483.500	5.60	28.67	41.01	59.15	52.41	74.00	-21.59	peak
3 2489.543	5.61	28.68	41.01	60.93	54.21	74.00	-19.79	peak



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2456.5MHz; Value:Peak



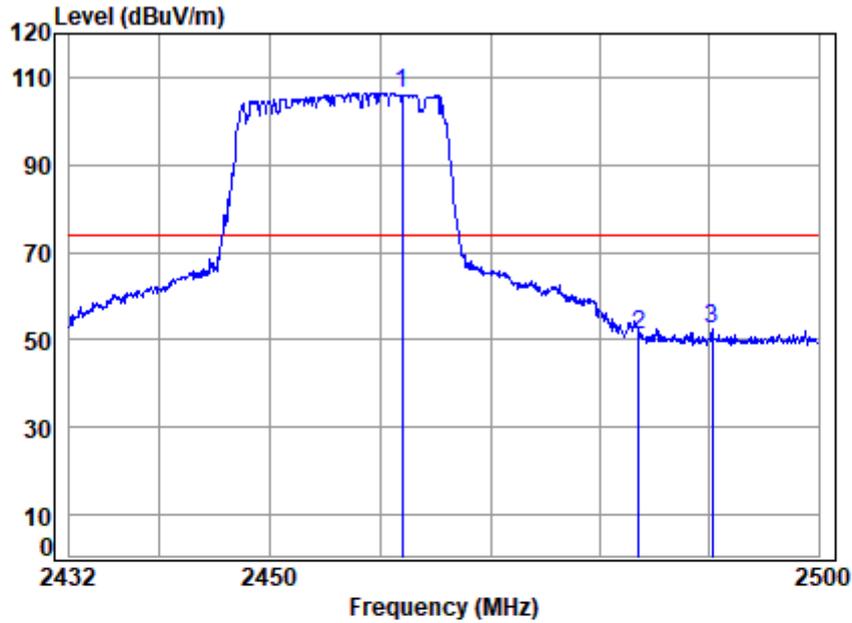
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2456.5 Band edge
 Note : 20M

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 * 2462.000	5.57	28.64	41.00	101.56	94.77	74.00	20.77	peak
2 2483.500	5.60	28.67	41.01	55.92	49.18	74.00	-24.82	peak
3 2489.955	5.61	28.68	41.01	57.74	51.02	74.00	-22.98	peak



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2456.5MHz; Value:Peak



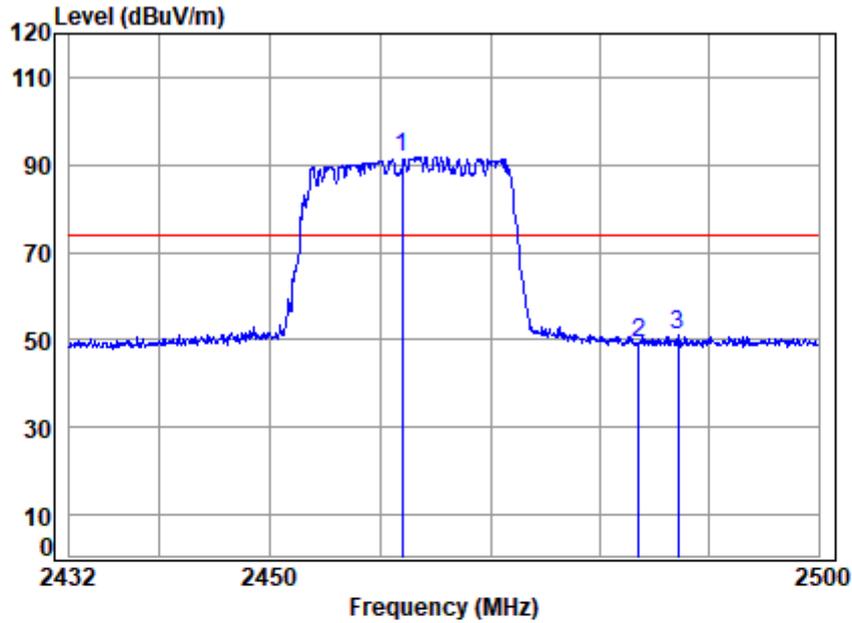
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2456.5 Band edge
 Note : 20M

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 * 2462.000	5.57	28.64	41.00	112.99	106.20	74.00	32.20	peak
2 2483.500	5.60	28.67	41.01	57.66	50.92	74.00	-23.08	peak
3 2490.229	5.61	28.68	41.01	59.26	52.54	74.00	-21.46	peak



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2462.5MHz; Value:Peak



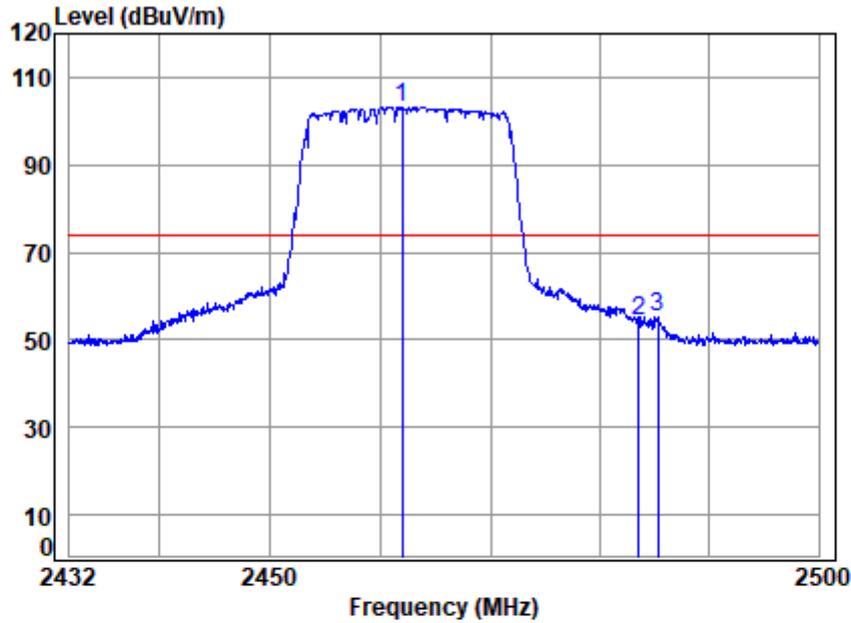
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2462.5 Band edge
 Note : 20M

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 * 2462.000	5.57	28.64	41.00	98.42	91.63	74.00	17.63	peak
2 2483.500	5.60	28.67	41.01	56.09	49.35	74.00	-24.65	peak
3 2487.073	5.60	28.68	41.01	57.67	50.94	74.00	-23.06	peak



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2462.5MHz; Value:Peak



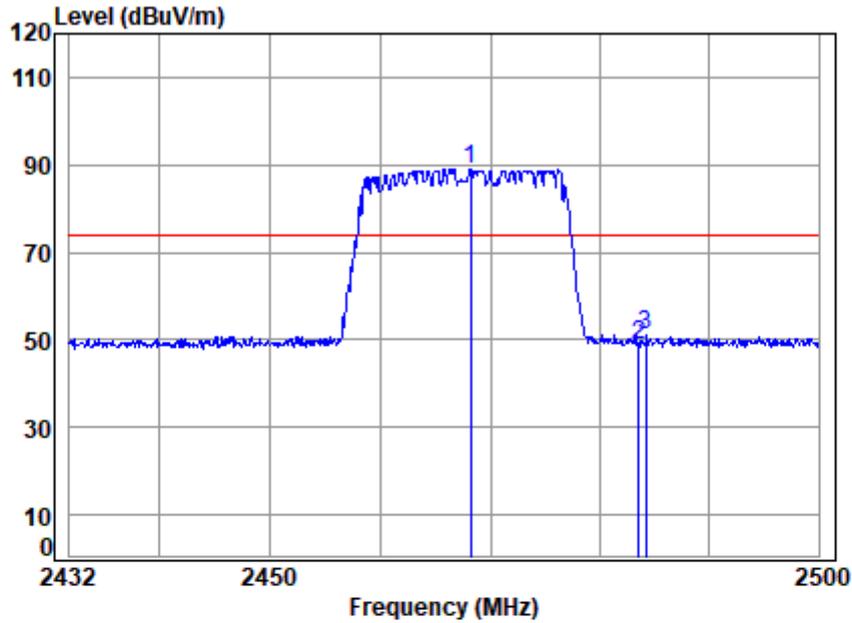
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2462.5 Band edge
 Note : 20M

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 * 2462.000	5.57	28.64	41.00	109.91	103.12	74.00	29.12	peak
2 2483.500	5.60	28.67	41.01	61.19	54.45	74.00	-19.55	peak
3 2485.221	5.60	28.68	41.01	62.14	55.41	74.00	-18.59	peak



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2467.5MHz; Value:Peak



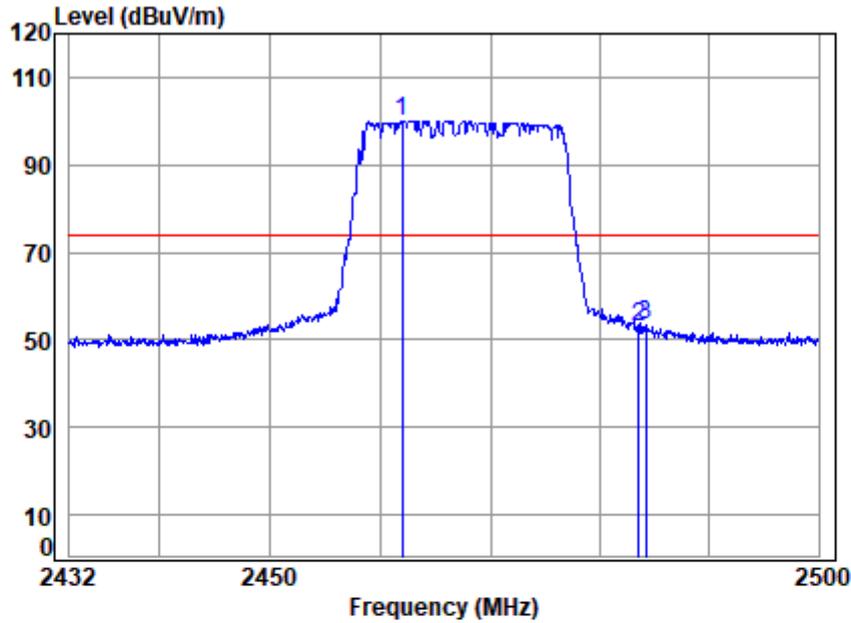
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2467.5 Band edge
 Note : 20M

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 * 2468.147	5.58	28.65	41.00	95.68	88.91	74.00	14.91	Peak
2 2483.500	5.60	28.67	41.01	55.60	48.86	74.00	-25.14	peak
3 2484.194	5.60	28.67	41.01	57.92	51.18	74.00	-22.82	peak



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2467.5MHz; Value:Peak



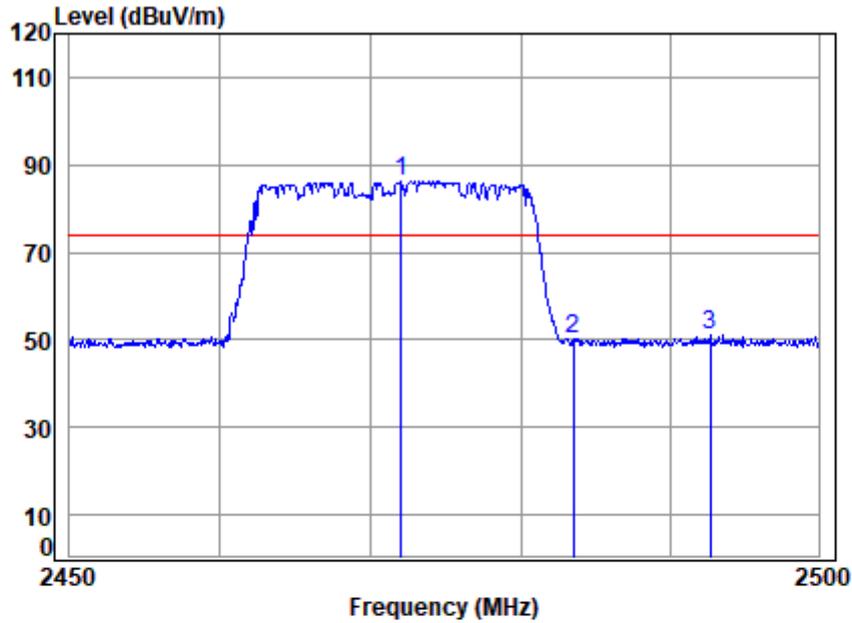
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2467.5 Band edge
 Note : 20M

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 * 2462.000	5.57	28.64	41.00	106.62	99.83	74.00	25.83	peak
2 2483.500	5.60	28.67	41.01	59.68	52.94	74.00	-21.06	peak
3 2484.125	5.60	28.67	41.01	60.20	53.46	74.00	-20.54	peak



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



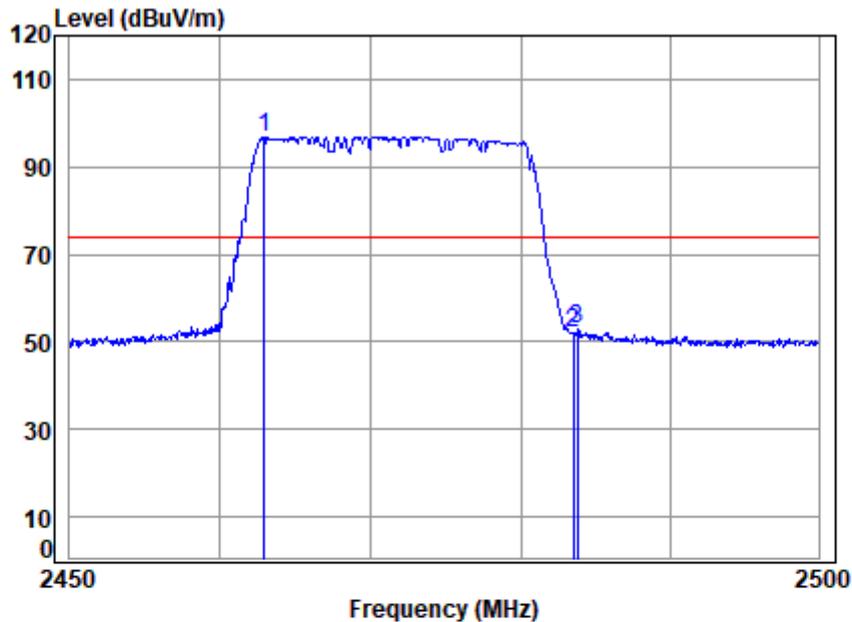
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2471.5 Band edge
 Note : 20M

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 * 2472.029	5.58	28.65	41.01	92.82	86.04	74.00	12.04	Peak
2 2483.500	5.60	28.67	41.01	56.82	50.08	74.00	-23.92	peak
3 2492.703	5.61	28.69	41.01	57.80	51.09	74.00	-22.91	peak



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



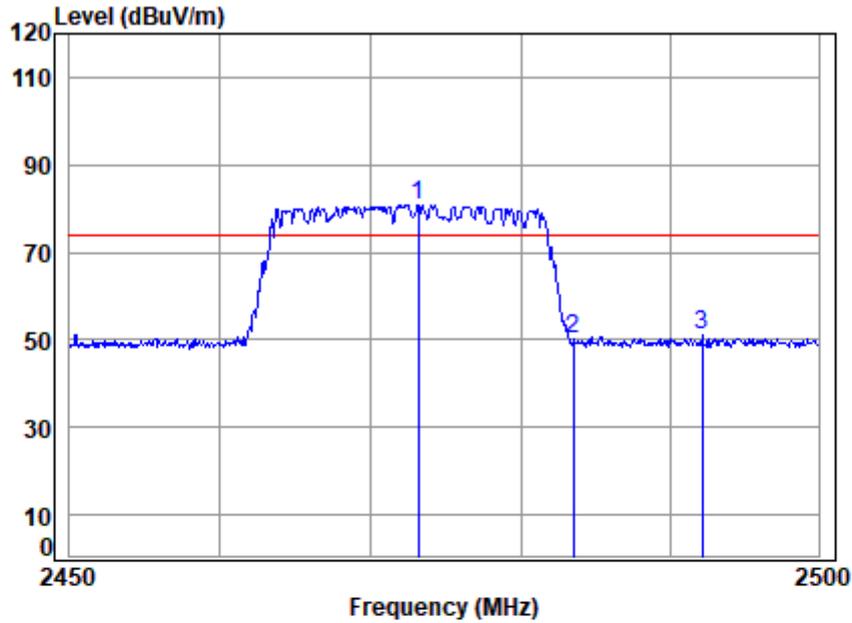
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2471.5 Band edge
 Note : 20M

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 * 2462.911	5.57	28.64	41.00	103.60	96.81	74.00	22.81	Peak
2 2483.500	5.60	28.67	41.01	58.84	52.10	74.00	-21.90	peak
3 2483.782	5.60	28.67	41.01	59.84	53.10	74.00	-20.90	peak



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



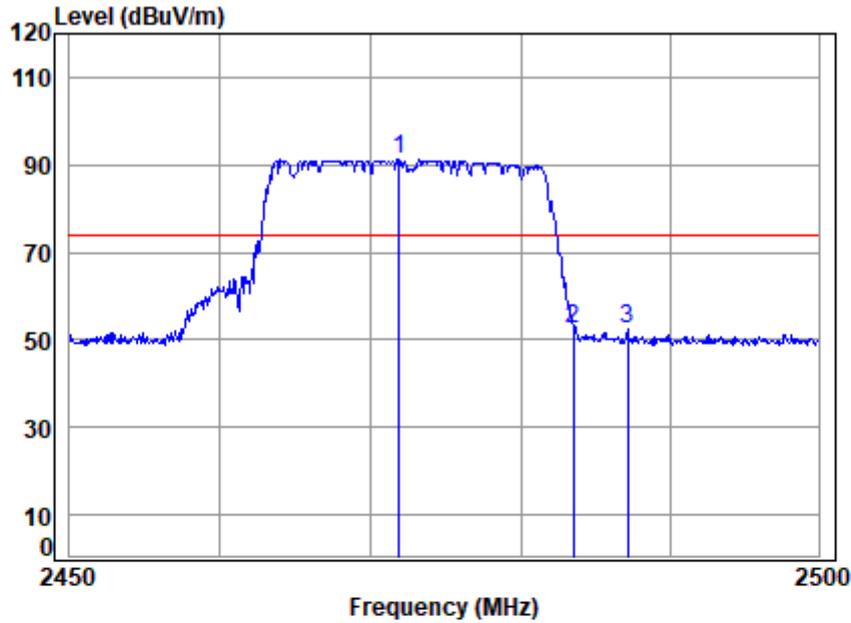
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2472.5 Band edge
 Note : 20M

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 * 2473.188	5.59	28.66	41.01	87.55	80.79	74.00	6.79	Peak
2 2483.500	5.60	28.67	41.01	57.07	50.33	74.00	-23.67	peak
3 2492.153	5.61	28.69	41.01	57.84	51.13	74.00	-22.87	peak



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



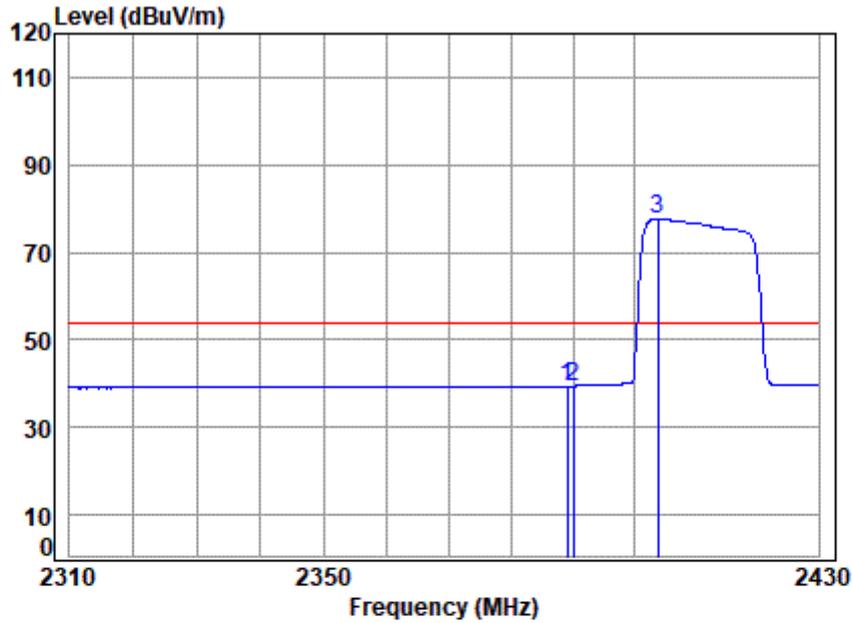
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2472.5 Band edge
 Note : 20M

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 * 2471.893	5.58	28.65	41.01	97.99	91.21	74.00	17.21	Peak
2 2483.500	5.60	28.67	41.01	59.39	52.65	74.00	-21.35	peak
3 2487.141	5.60	28.68	41.01	59.04	52.31	74.00	-21.69	peak



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



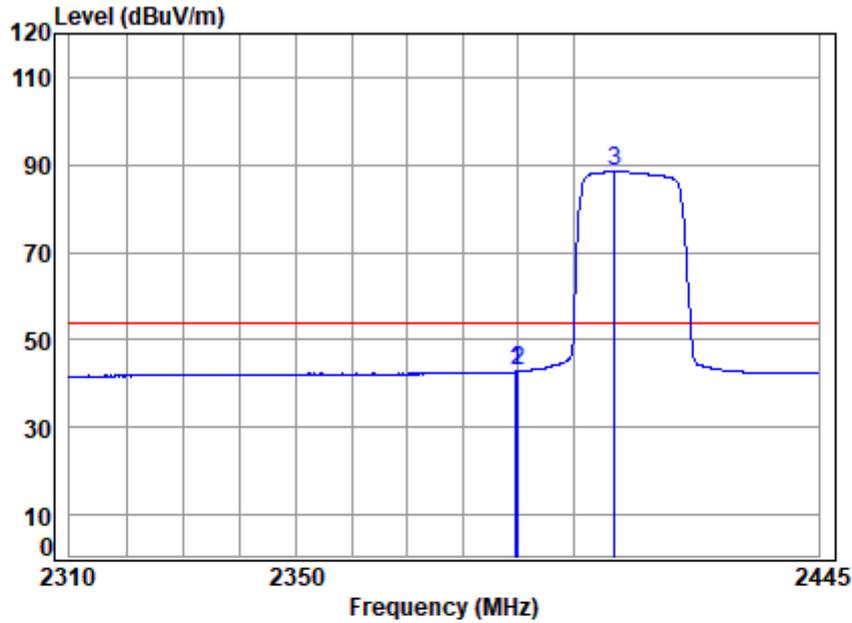
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2410.5 Band edge
 Note : 20M

	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	2389.121	5.47	28.52	40.97	46.44	39.46	54.00	-14.54	Average
2	2390.000	5.47	28.52	40.97	46.43	39.45	54.00	-14.55	Average
3 *	2403.806	5.49	28.54	40.98	84.52	77.57	54.00	23.57	Average



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



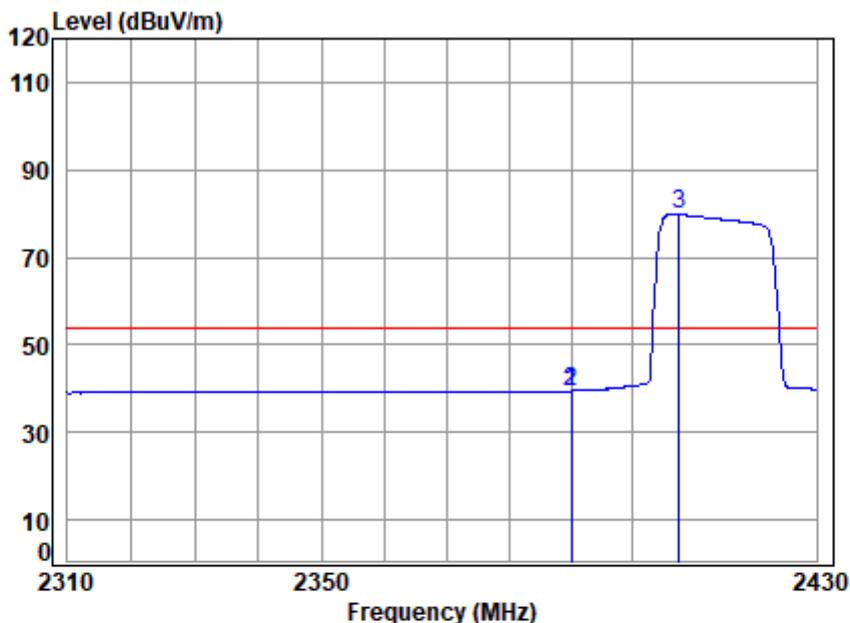
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2410.5 Band edge
 Note : 20M

	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	2389.535	5.47	28.52	40.97	49.65	42.67	54.00	-11.33	Average
2	2390.000	5.47	28.52	40.97	49.65	42.67	54.00	-11.33	Average
3 *	2407.500	5.50	28.55	40.98	95.33	88.40	54.00	34.40	Average



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2413.5MHz; Value:Average



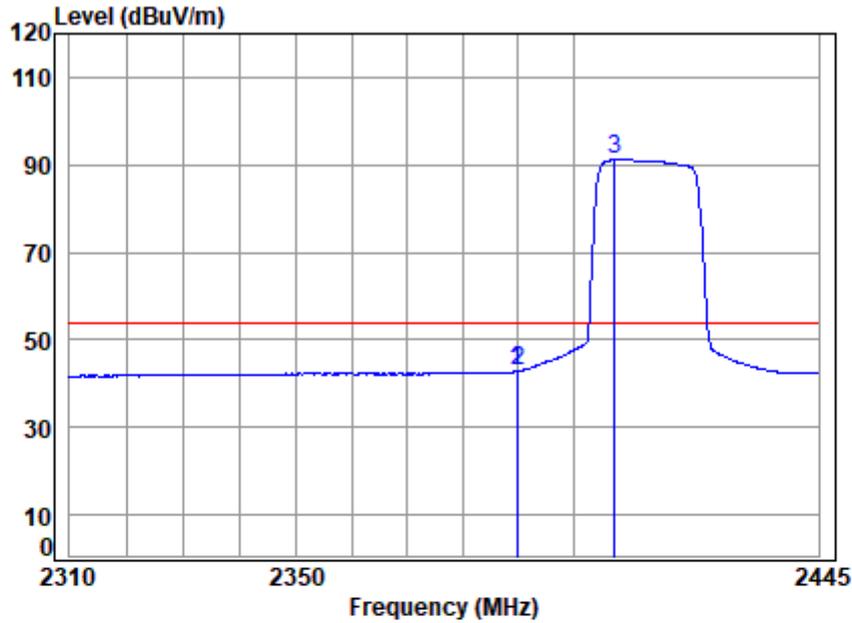
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2413.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.968	5.47	28.52	40.97	46.44	39.46	54.00	-14.54 Average
2	2390.000	5.47	28.52	40.97	46.44	39.46	54.00	-14.54 Average
3 *	2407.500	5.50	28.55	40.98	86.76	79.83	54.00	25.83 Average



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2413.5MHz; Value:Average



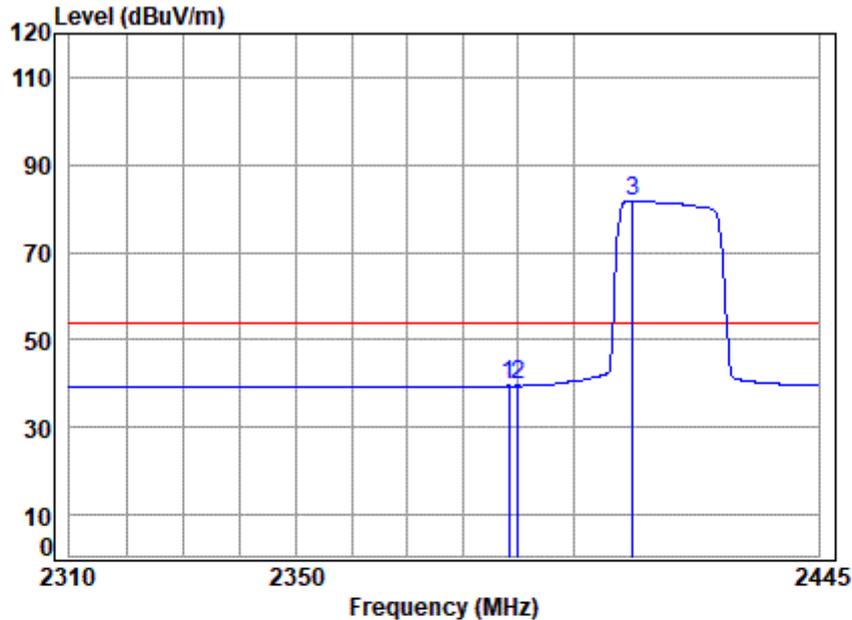
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2413.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.807	5.47	28.52	40.97	49.74	42.76	54.00	-11.24 Average
2	2390.000	5.47	28.52	40.97	49.79	42.81	54.00	-11.19 Average
3 *	2407.500	5.50	28.55	40.98	98.11	91.18	54.00	37.18 Average



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2417.5MHz; Value:Average



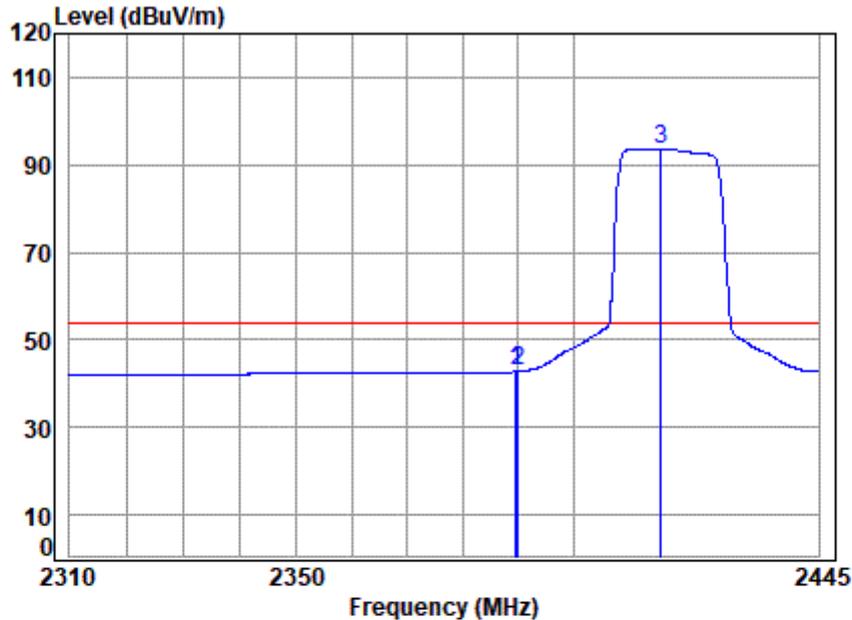
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.178	5.47	28.52	40.97	46.47	39.49	54.00	-14.51 Average
2	2390.000	5.47	28.52	40.97	46.45	39.47	54.00	-14.53 Average
3 *	2410.802	5.50	28.55	40.98	88.76	81.83	54.00	27.83 Average



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2417.5MHz; Value:Average



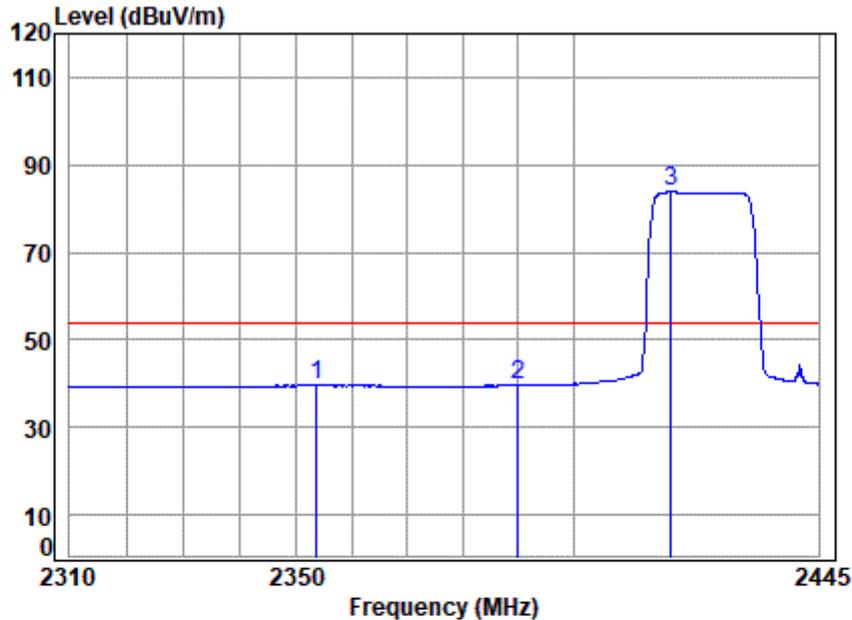
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.535	5.47	28.52	40.97	49.68	42.70	54.00	-11.30 Average
2	2390.000	5.47	28.52	40.97	49.70	42.72	54.00	-11.28 Average
3 *	2415.873	5.51	28.56	40.98	100.54	93.63	54.00	39.63 Average



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2423.5MHz; Value:Average



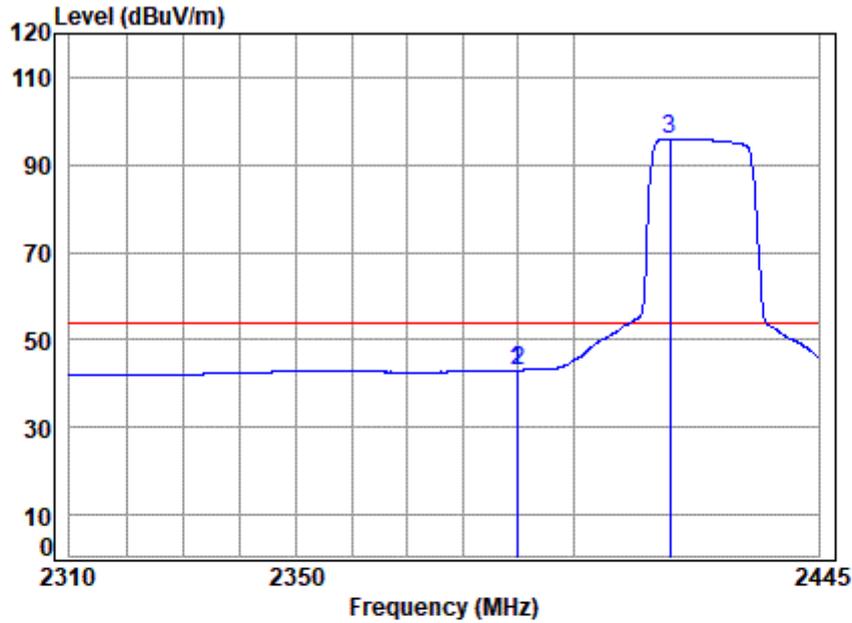
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2423.5 Band edge
 Note : 20M

	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	2353.705	5.43	28.46	40.96	46.61	39.54	54.00	-14.46	Average
2	2390.000	5.47	28.52	40.97	46.49	39.51	54.00	-14.49	Average
3 *	2417.795	5.51	28.57	40.98	90.70	83.80	54.00	29.80	Average



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2423.5MHz; Value:Average



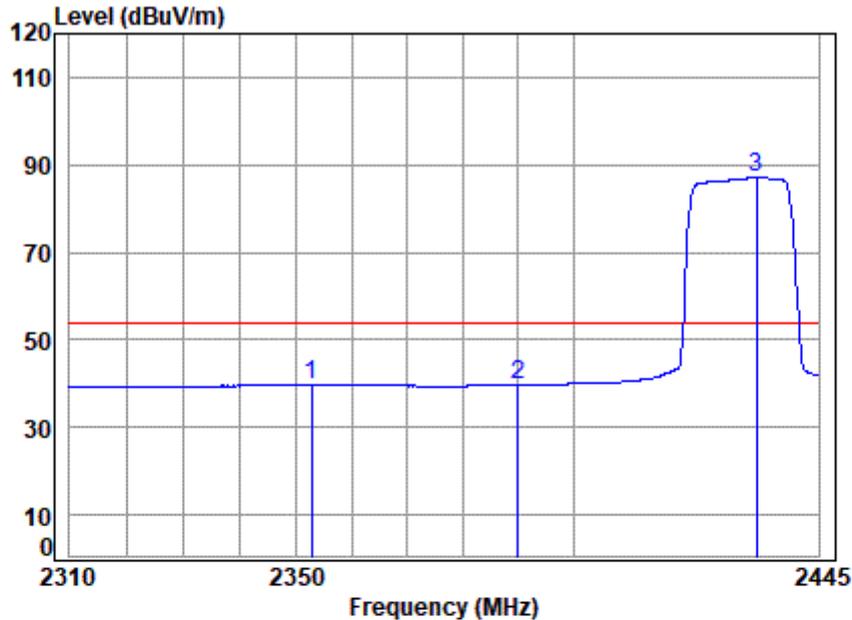
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2423.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.807	5.47	28.52	40.97	50.00	43.00	54.00	-10.98 Average
2	2390.000	5.47	28.52	40.97	50.02	43.04	54.00	-10.96 Average
3 *	2417.658	5.51	28.56	40.98	102.86	95.95	54.00	41.95 Average



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



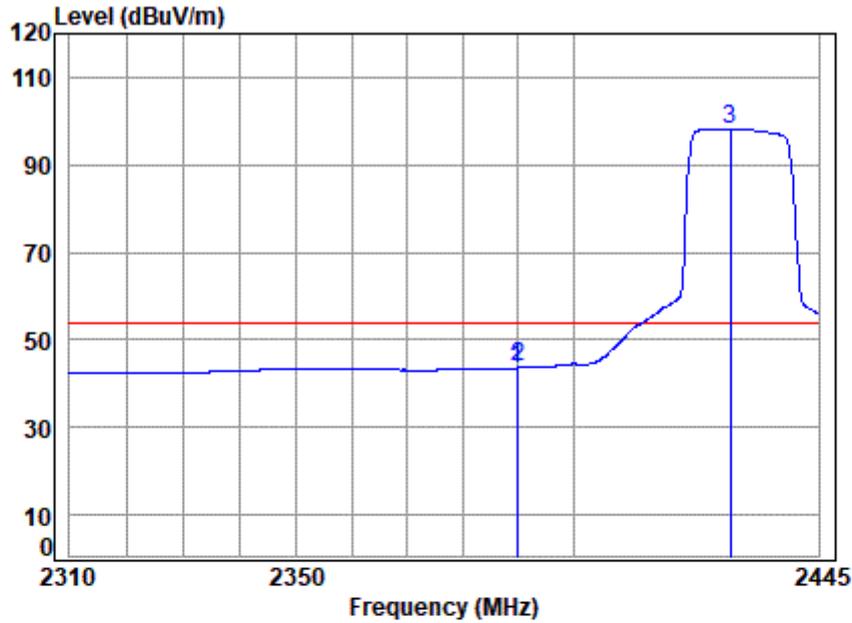
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2430.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2352.770	5.42	28.46	40.96	46.80	39.72	54.00	-14.28 Average
2	2390.000	5.47	28.52	40.97	46.65	39.67	54.00	-14.33 Average
3 *	2433.501	5.53	28.59	40.99	93.85	86.98	54.00	32.98 Average



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



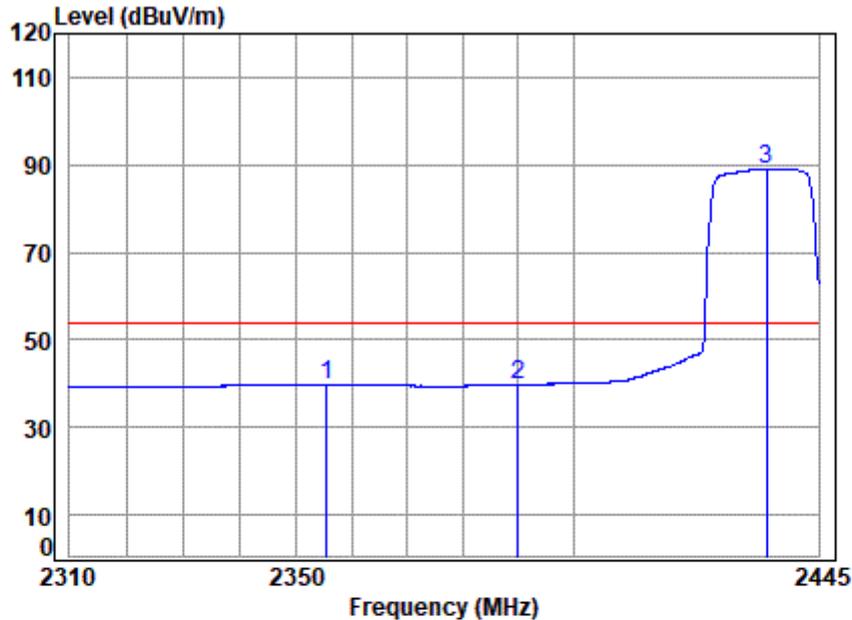
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2430.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.807	5.47	28.52	40.97	50.55	43.57	54.00	-10.43 Average
2	2390.000	5.47	28.52	40.97	50.58	43.60	54.00	-10.40 Average
3 *	2428.668	5.53	28.58	40.99	105.12	98.24	54.00	44.24 Average



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



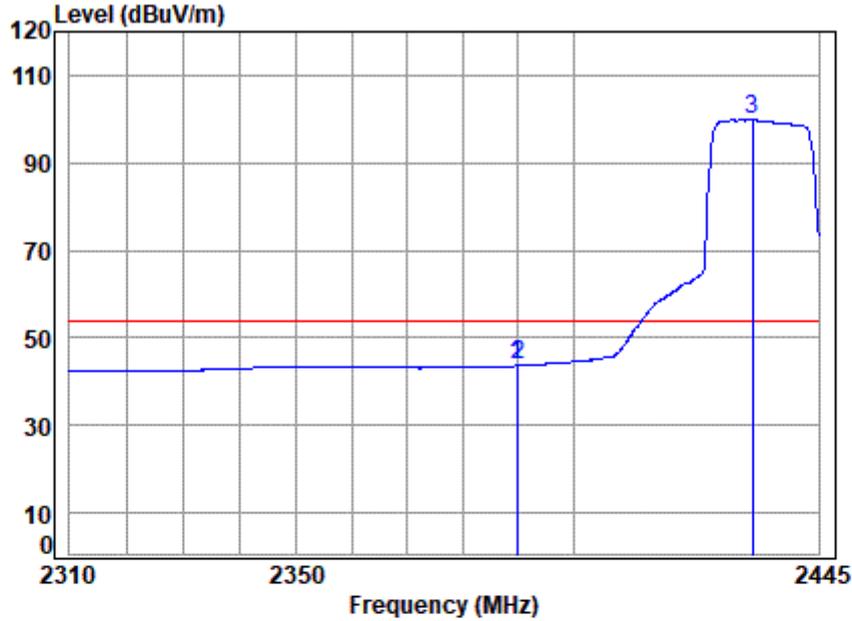
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2434.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2355.577	5.43	28.46	40.96	46.84	39.77	54.00	-14.23 Average
2	2390.000	5.47	28.52	40.97	46.66	39.68	54.00	-14.32 Average
3 *	2435.298	5.54	28.59	40.99	95.88	89.02	54.00	35.02 Average



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



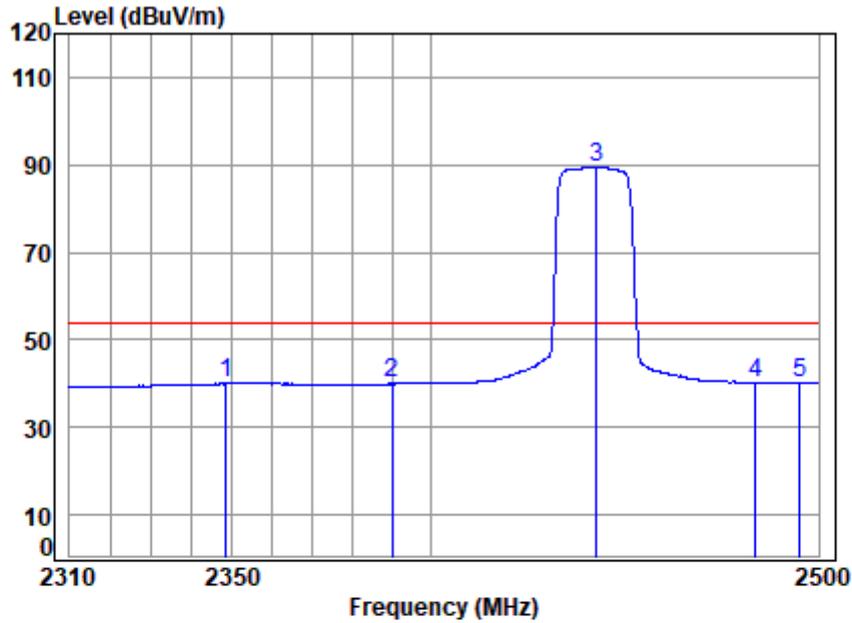
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2434.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.807	5.47	28.52	40.97	50.58	43.60	54.00	-10.40 Average
2	2390.000	5.47	28.52	40.97	50.60	43.62	54.00	-10.38 Average
3 *	2432.810	5.53	28.59	40.99	106.64	99.77	54.00	45.77 Average



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



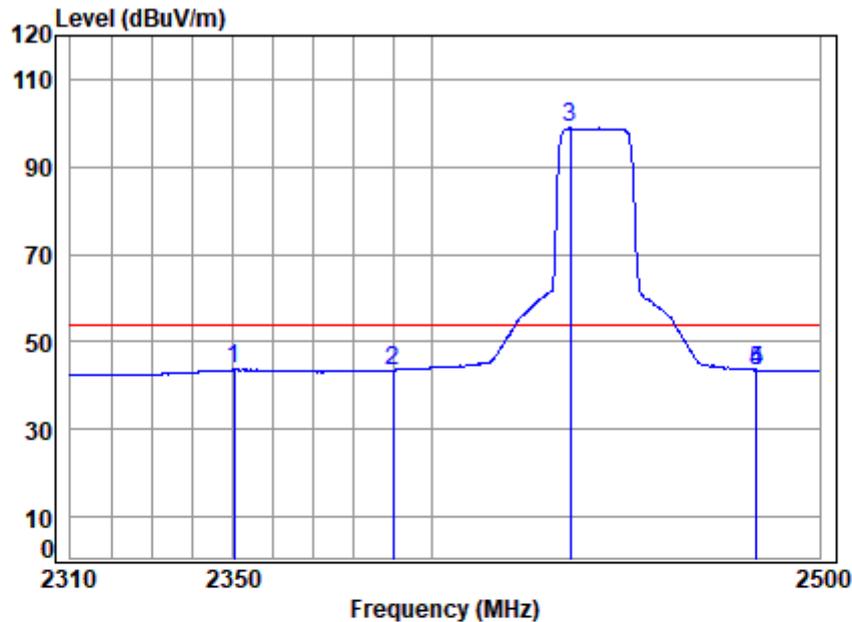
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 Band edge
 Note : 20M

	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	2348.478	5.42	28.45	40.95	47.16	40.08	54.00	-13.92	Average
2	2390.000	5.47	28.52	40.97	46.92	39.94	54.00	-14.06	Average
3 *	2441.994	5.54	28.61	40.99	96.35	89.51	54.00	35.51	Average
4	2483.500	5.60	28.67	41.01	46.97	40.23	54.00	-13.77	Average
5	2495.065	5.61	28.69	41.02	47.10	40.38	54.00	-13.62	Average



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



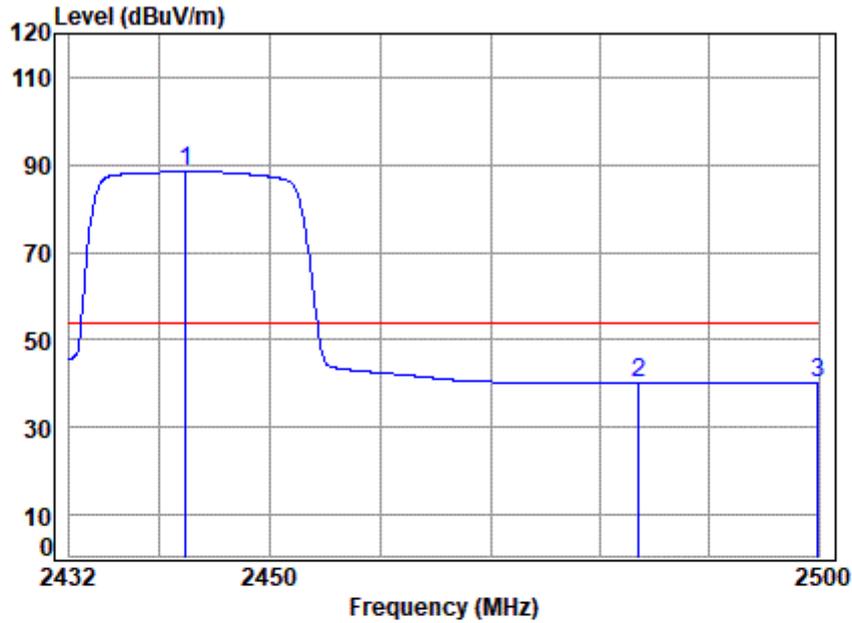
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 Band edge
 Note : 20M

		Cable	Ant	Preamp	Read	Limit	Over		
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2350.149	5.42	28.45	40.96	50.74	43.65	54.00	-10.35	Average
2	2390.000	5.47	28.52	40.97	50.53	43.55	54.00	-10.45	Average
3 *	2435.055	5.54	28.59	40.99	105.68	98.82	54.00	44.82	Average
4	2483.500	5.60	28.67	41.01	50.29	43.55	54.00	-10.45	Average
5	2483.516	5.60	28.67	41.01	50.19	43.45	54.00	-10.55	Average



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2443.5MHz; Value:Average



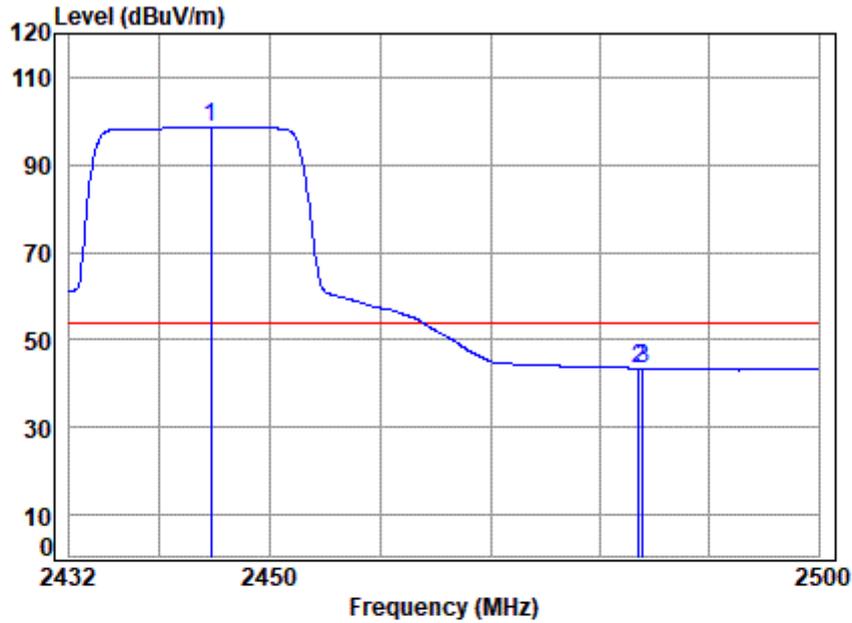
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2443.5 Band edge
 Note : 20M

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 * 2442.485	5.54	28.61	40.99	95.36	88.52	54.00	34.52	Average
2 2483.500	5.60	28.67	41.01	46.75	40.01	54.00	-13.99	Average
3 2499.931	5.62	28.70	41.02	46.84	40.14	54.00	-13.86	Average



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2443.5MHz; Value:Average



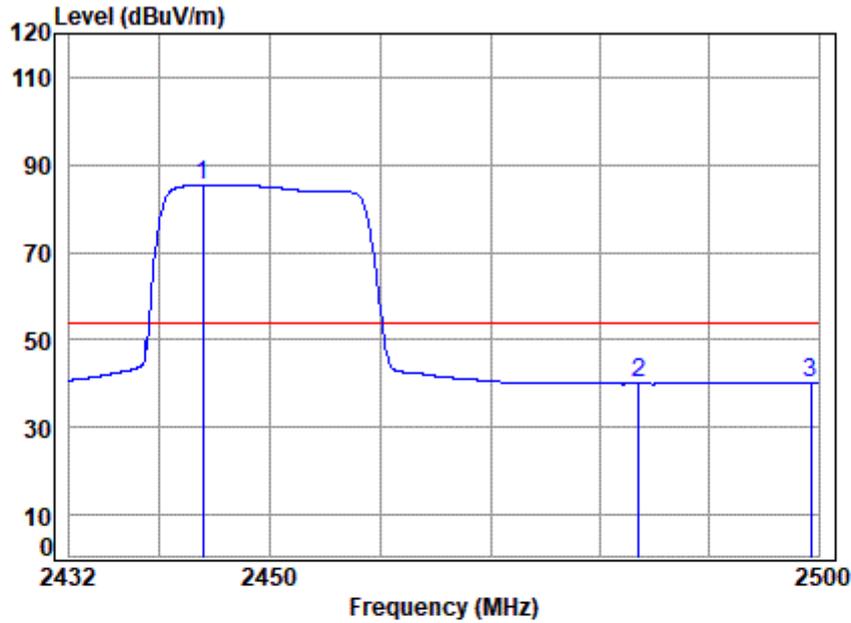
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2443.5 Band edge
 Note : 20M

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 * 2444.709	5.55	28.61	41.00	105.49	98.65	54.00	44.65	Average
2 2483.500	5.60	28.67	41.01	50.20	43.46	54.00	-10.54	Average
3 2483.919	5.60	28.67	41.01	50.17	43.43	54.00	-10.57	Average



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2449.5MHz; Value:Average



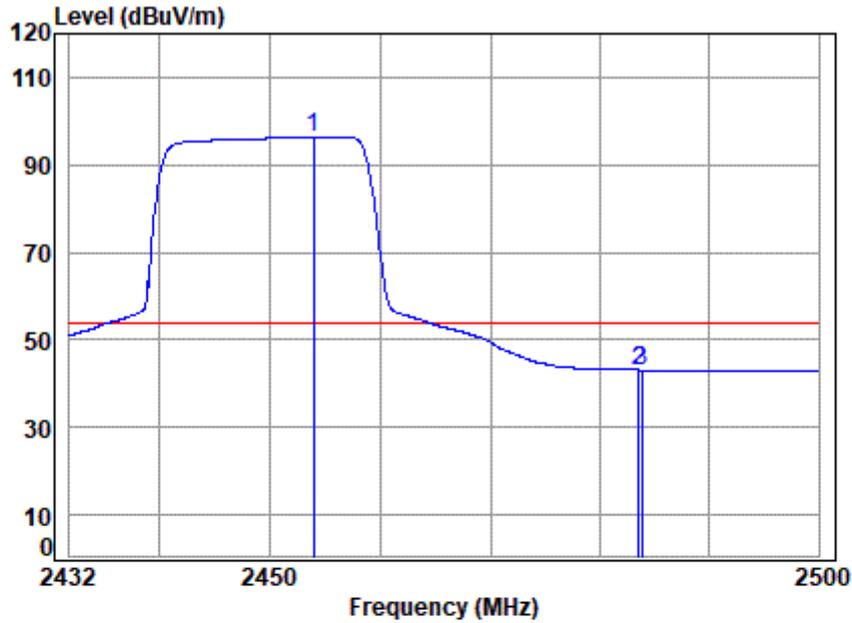
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2449.5 Band edge
 Note : 20M

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 * 2443.967	5.55	28.61	40.99	92.23	85.40	54.00	31.40	Average
2 2483.500	5.60	28.67	41.01	46.70	39.96	54.00	-14.04	Average
3 2499.311	5.62	28.70	41.02	46.76	40.06	54.00	-13.94	Average



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2449.5MHz; Value:Average



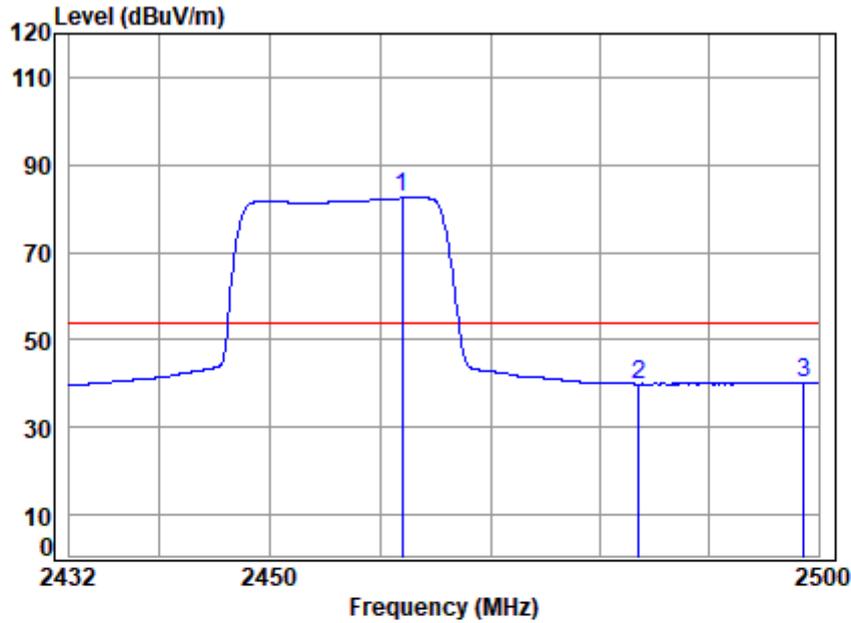
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2449.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2453.962	5.56	28.63	41.00	103.02	96.21	54.00	42.21 Average
2	2483.500	5.60	28.67	41.01	49.85	43.11	54.00	-10.89 Average
3	2483.782	5.60	28.67	41.01	49.85	43.11	54.00	-10.89 Average



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2456.5MHz; Value:Average



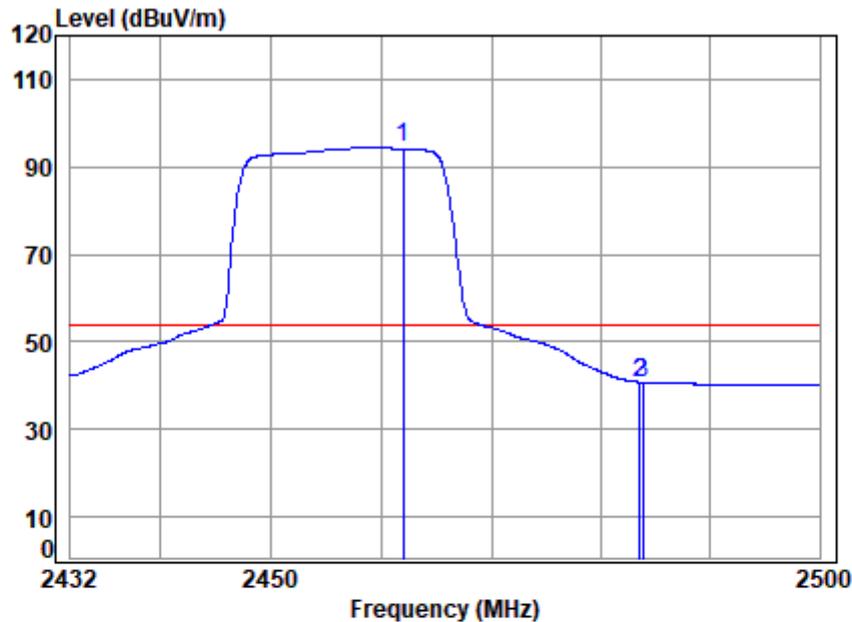
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2456.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 2462.000	5.57	28.64	41.00	89.35	82.56	54.00	28.56	Average
2 2483.500	5.60	28.67	41.01	46.64	39.90	54.00	-14.10	Average
3 2498.622	5.62	28.70	41.02	46.70	40.00	54.00	-14.00	Average



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2456.5MHz; Value:Average



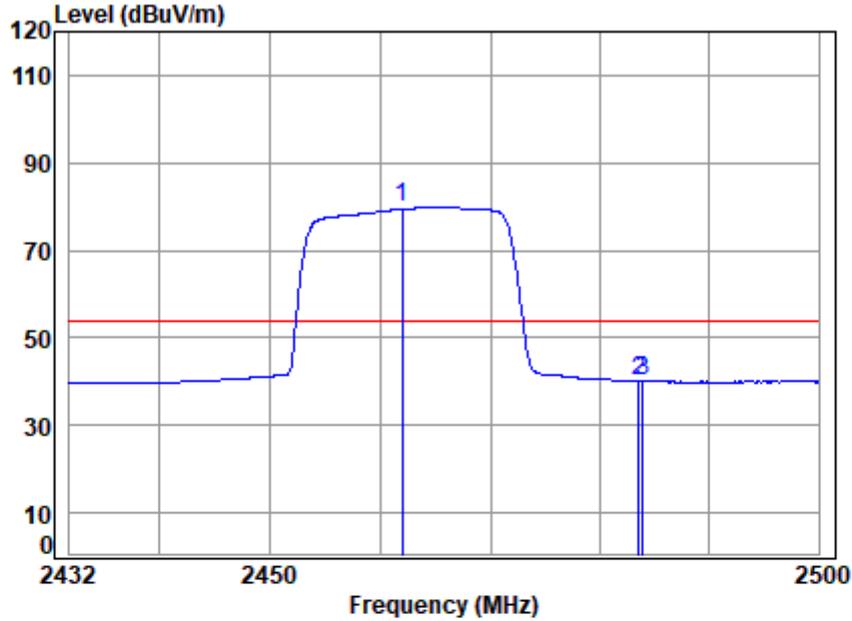
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2456.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 2462.000	5.57	28.64	41.00	101.14	94.35	54.00	40.35	Average
2 2483.500	5.60	28.67	41.01	47.54	40.80	54.00	-13.20	Average
3 2483.782	5.60	28.67	41.01	47.49	40.75	54.00	-13.25	Average



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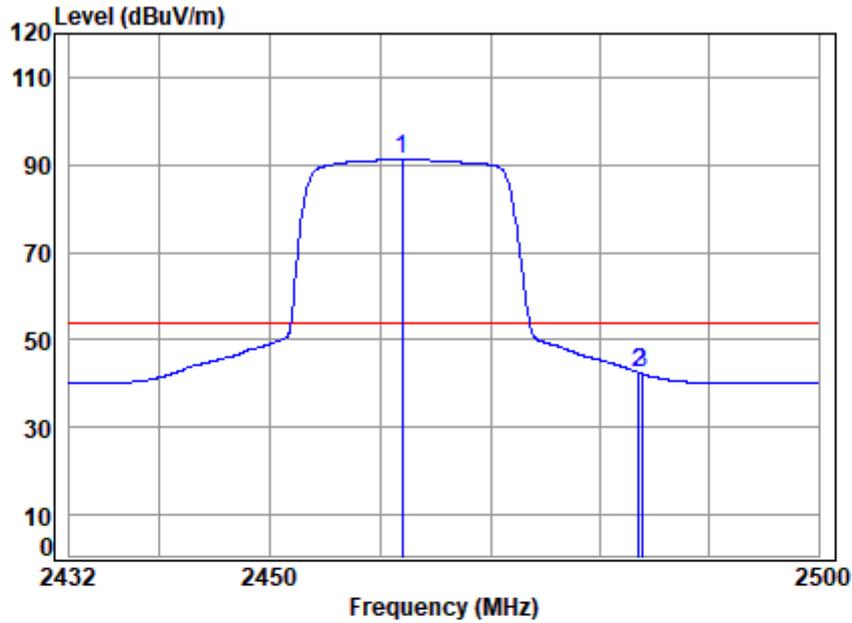
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2462.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2462.000	5.57	28.64	41.00	86.54	79.75	54.00	25.75 Average
2	2483.500	5.60	28.67	41.01	46.84	40.10	54.00	-13.90 Average
3	2483.851	5.60	28.67	41.01	46.83	40.09	54.00	-13.91 Average



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2462.5MHz; Value:Average



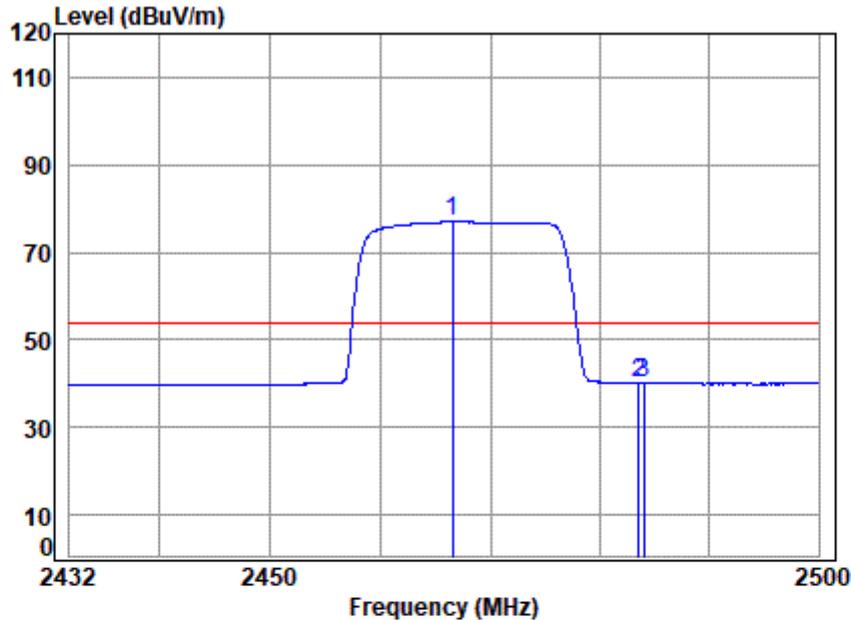
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2462.5 Band edge
 Note : 20M

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 * 2462.000	5.57	28.64	41.00	97.95	91.16	54.00	37.16	Average
2 2483.500	5.60	28.67	41.01	49.19	42.45	54.00	-11.55	Average
3 2483.782	5.60	28.67	41.01	48.95	42.21	54.00	-11.79	Average



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Mode:a; Polarization:Horizontal; Bandwidth:20MHz; Channel:2467.5MHz; Value:Average



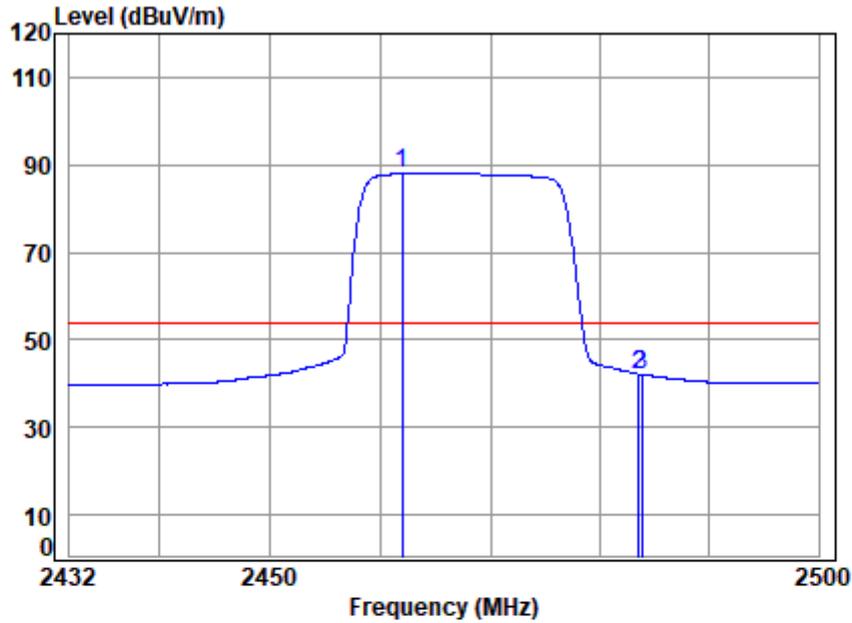
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2467.5 Band edge
 Note : 20M

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 * 2466.514	5.58	28.65	41.00	83.77	77.00	54.00	23.00	Average
2 2483.500	5.60	28.67	41.01	46.81	40.07	54.00	-13.93	Average
3 2483.988	5.60	28.67	41.01	46.82	40.08	54.00	-13.92	Average



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Mode:a; Polarization:Vertical; Bandwidth:20MHz; Channel:2467.5MHz; Value:Average



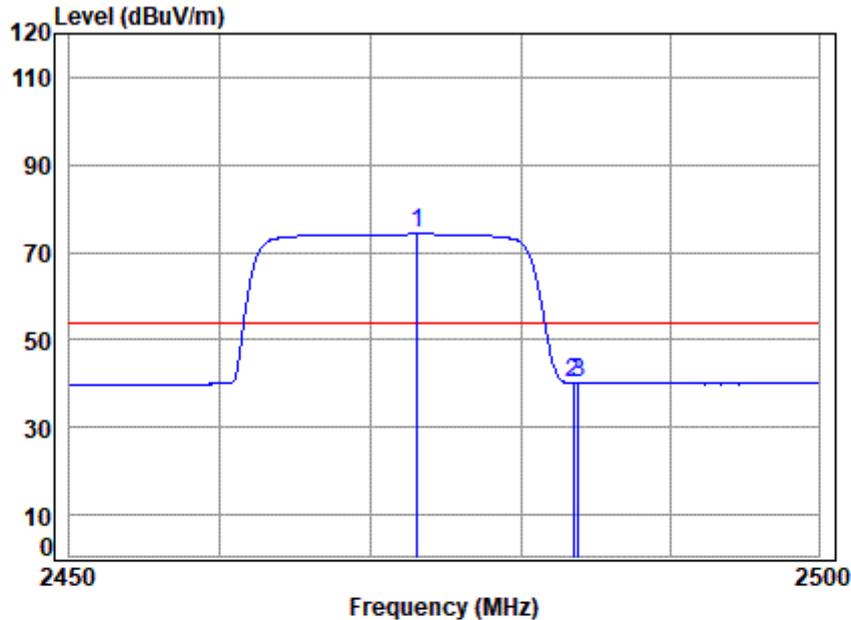
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2467.5 Band edge
 Note : 20M

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 * 2462.000	5.57	28.64	41.00	94.80	88.01	54.00	34.01	Average
2 2483.500	5.60	28.67	41.01	48.88	42.14	54.00	-11.86	Average
3 2483.782	5.60	28.67	41.01	48.76	42.02	54.00	-11.98	Average



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



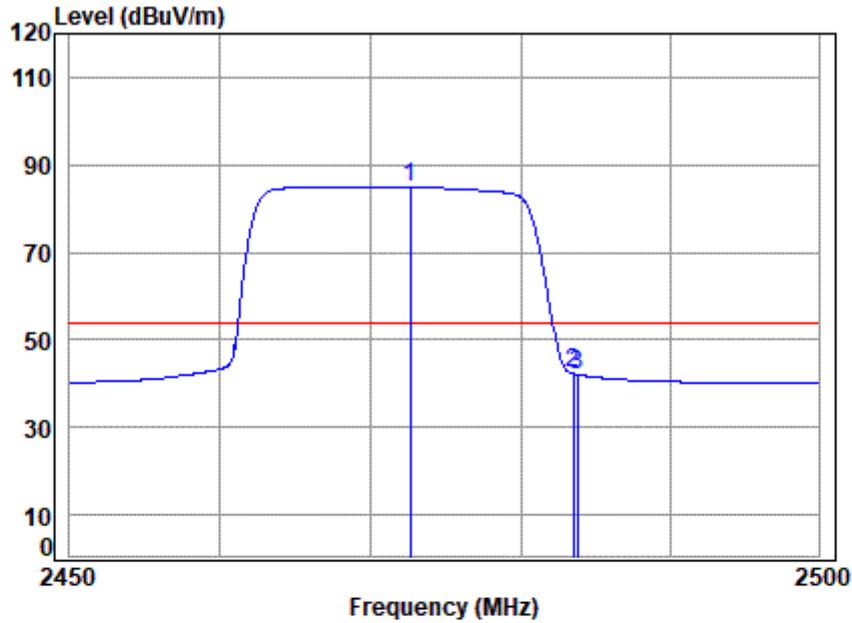
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2471.5 Band edge
 Note : 20M

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 * 2473.120	5.59	28.66	41.01	80.94	74.18	54.00	20.18	Average
2 2483.500	5.60	28.67	41.01	46.86	40.12	54.00	-13.88	Average
3 2483.851	5.60	28.67	41.01	46.86	40.12	54.00	-13.88	Average



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



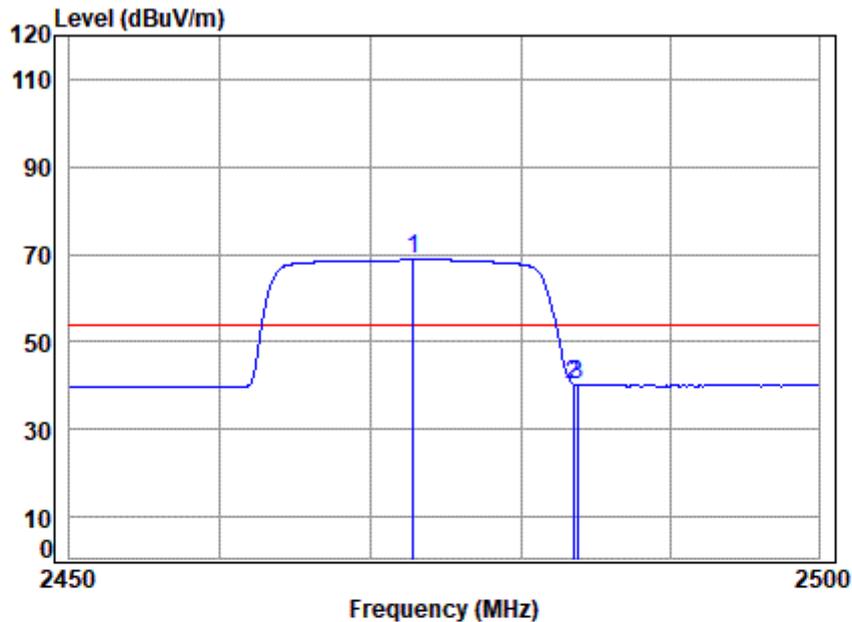
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2471.5 Band edge
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	2472.643	5.58	28.66	41.01	91.65	84.88	54.00	30.88 Average
2	2483.500	5.60	28.67	41.01	48.95	42.21	54.00	-11.79 Average
3	2483.782	5.60	28.67	41.01	48.78	42.04	54.00	-11.96 Average



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



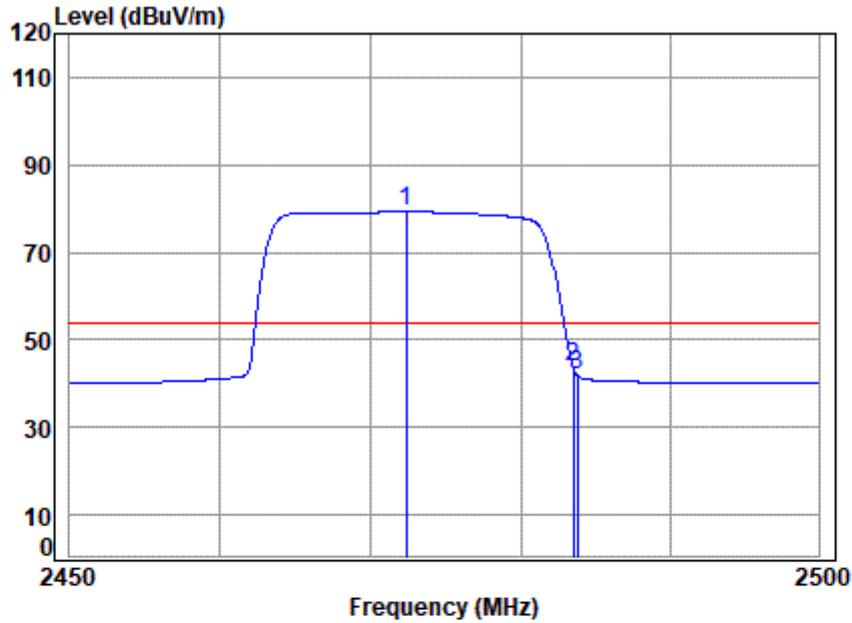
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2472.5 Band edge
 Note : 20M

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 * 2472.847	5.58	28.66	41.01	75.54	68.77	54.00	14.77	Average
2 2483.500	5.60	28.67	41.01	47.12	40.38	54.00	-13.62	Average
3 2483.782	5.60	28.67	41.01	46.83	40.09	54.00	-13.91	Average



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2472.5 Band edge
 Note : 20M

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 * 2472.370	5.58	28.66	41.01	86.12	79.35	54.00	25.35	Average
2 2483.500	5.60	28.67	41.01	50.41	43.67	54.00	-10.33	Average
3 2483.782	5.60	28.67	41.01	48.59	41.85	54.00	-12.15	Average



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7.8 Radiated Spurious Emissions

Test Requirement 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:

For FCC

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.

For IC:

Table 5 - General field strength limits at frequencies above 30 MHz

Frequency (MHz)	Field strength (μ V/m at 3 m)
30 - 88	100
88 - 216	150
216 - 960	200
Above 960	500

Table 6 - General field strength limits at frequencies below 30 MHz

Frequency	Magnetic field strength (H-Field) (μ A/m)	Measurement distance (m)
9 - 490 kHz 1	6.37/F (F in kHz)	300
490 - 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.



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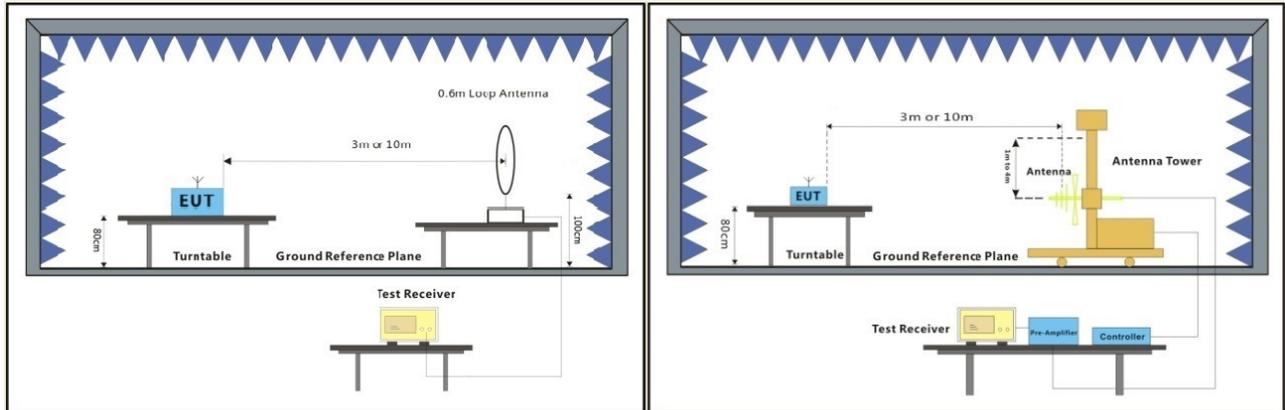
7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar

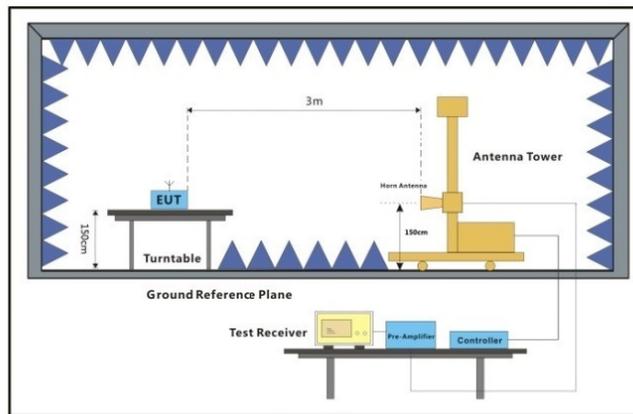
Test mode a:TX mode_Keep the EUT in continuously transmitting mode with modulation

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. 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.

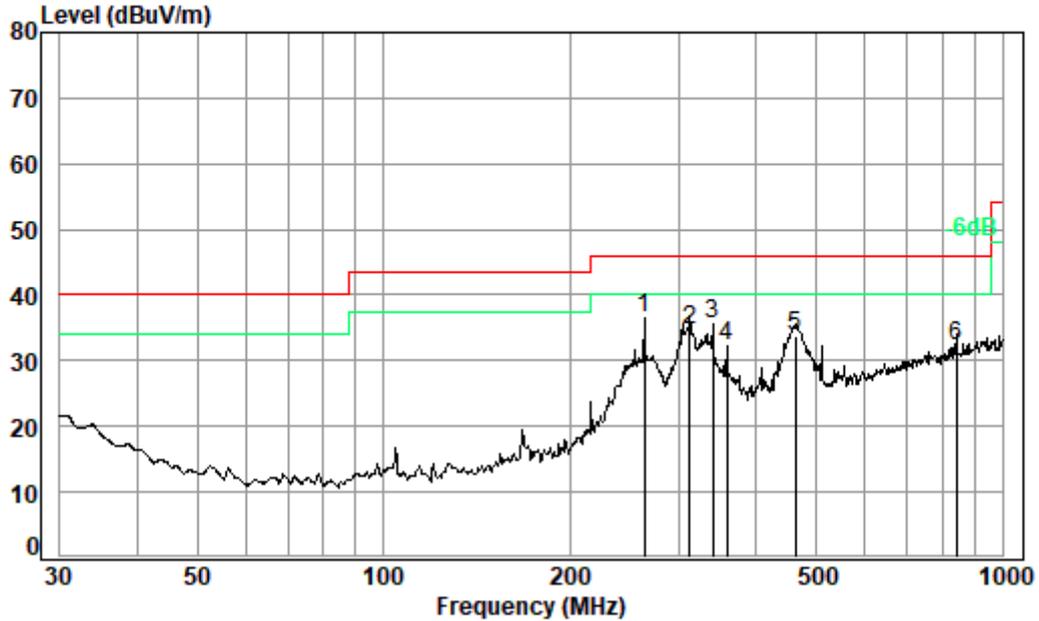


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30MHz~1GHz

QP value:

Mode: a; Polarization: Horizontal; Bandwidth:1.4MHz; Channel:2407.5MHz



Condition: 3m HORIZONTAL

Job No. : 21060CR

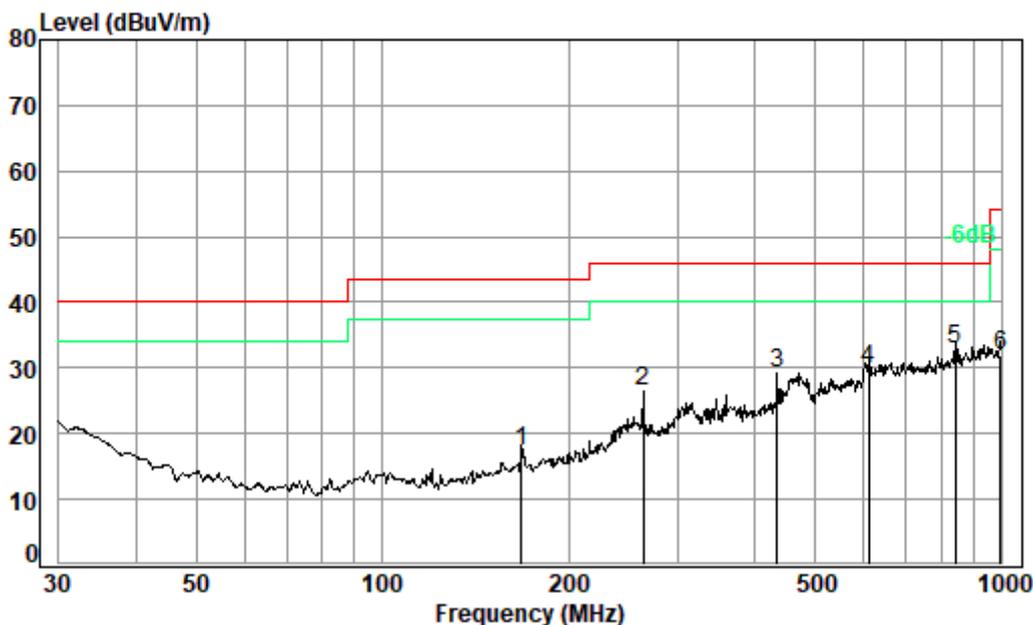
Test mode: a

	Ant	Cable	Read	Limit	Over	
Freq	Factor	Loss	Level	Level	Line	Limit Remark
MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	263.82	19.04	1.74	42.61	36.41	46.00 -9.59 QP
2	312.18	19.99	1.94	39.85	34.82	46.00 -11.18 QP
3	340.78	20.84	2.03	39.85	35.59	46.00 -10.41 QP
4	359.19	21.35	2.09	36.10	32.32	46.00 -13.68 QP
5	462.35	23.83	2.46	35.07	33.67	46.00 -12.33 QP
6	842.13	29.07	3.38	27.26	32.18	46.00 -13.82 QP



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Mode: a; Polarization: Vertical; Bandwidth:1.4MHz; Channel:2407.5MHz



Condition: 3m VERTICAL
 Job No. : 21060CR
 Test mode: a

	Ant Freq	Cable Factor	Read Loss	Limit Level	Over Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	167.82	15.66	1.35	27.49	17.21	43.50	-26.29	QP
2	263.82	19.04	1.74	32.60	26.40	46.00	-19.60	QP
3	434.07	23.21	2.35	31.23	29.22	46.00	-16.78	QP
4	609.92	26.74	2.72	28.35	29.67	46.00	-16.33	QP
5 pp	842.13	29.07	3.38	28.00	32.92	46.00	-13.08	QP
6	996.50	30.28	3.70	24.90	31.96	54.00	-22.04	QP

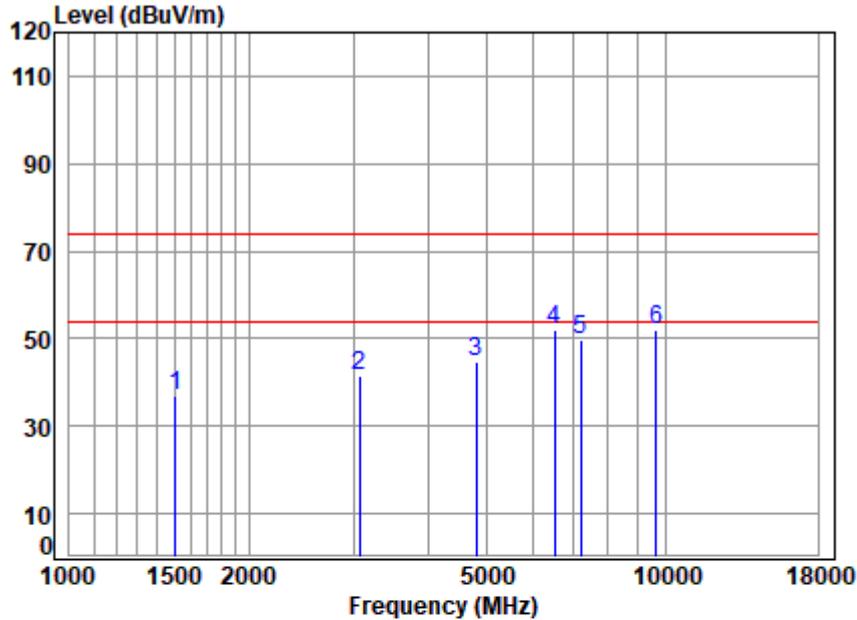


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Above 1GHz

For 1.4MHz BW

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2407.5MHz



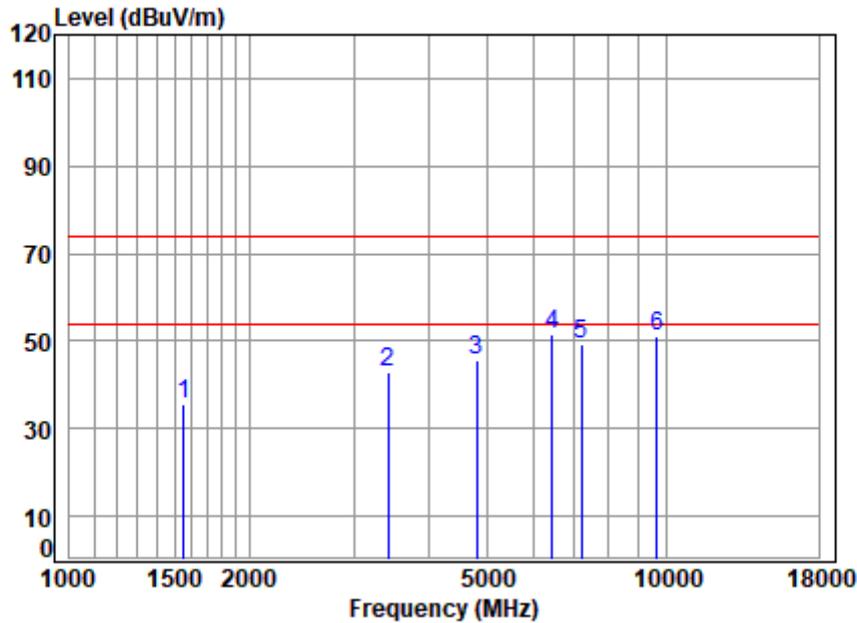
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2407.5 TX RSE
 Note : 1.4M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1507.470	5.47	25.83	40.51	46.14	36.93	74.00	-37.07	Peak
2	3069.345	6.05	31.02	41.28	45.68	41.47	74.00	-32.53	Peak
3	4815.000	7.90	33.99	42.77	45.60	44.72	74.00	-29.28	Peak
4	6507.536	11.52	35.60	41.95	46.79	51.96	74.00	-22.04	Peak
5	7222.500	10.07	36.08	41.57	45.01	49.59	74.00	-24.41	Peak
6	9630.000	10.76	37.68	38.54	42.28	52.18	74.00	-21.82	Peak



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2407.5MHz



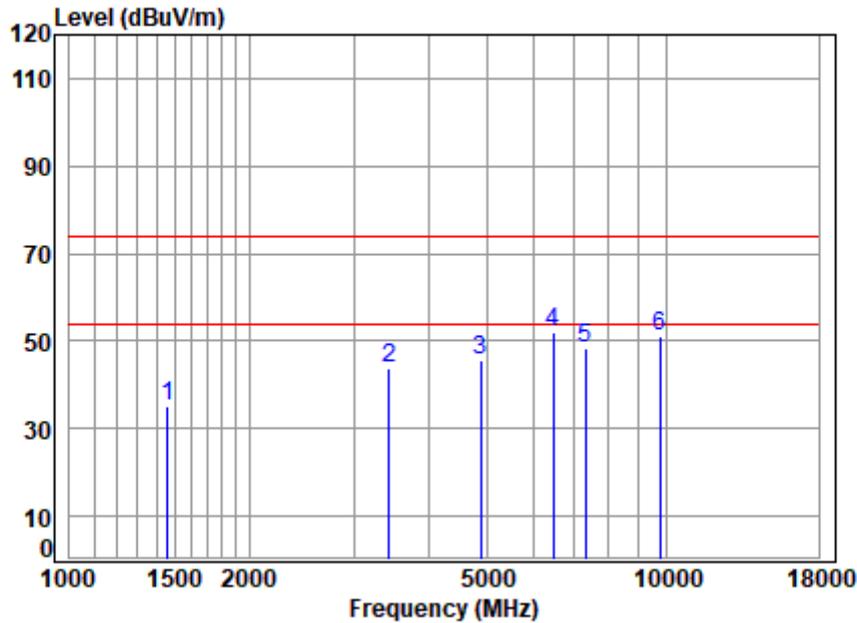
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2407.5 TX RSE
 Note : 1.4M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1551.677	5.41	26.04	40.54	44.66	35.57	74.00	-38.43 Peak
2	3415.787	6.38	31.57	41.63	46.71	43.03	74.00	-30.97 Peak
3	4815.000	7.90	33.99	42.77	46.32	45.44	74.00	-28.56 Peak
4	6451.353	11.45	35.55	41.98	46.36	51.38	74.00	-22.62 Peak
5	7222.500	10.07	36.08	41.57	44.84	49.42	74.00	-24.58 Peak
6	9630.000	10.76	37.68	38.54	41.38	51.28	74.00	-22.72 Peak



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



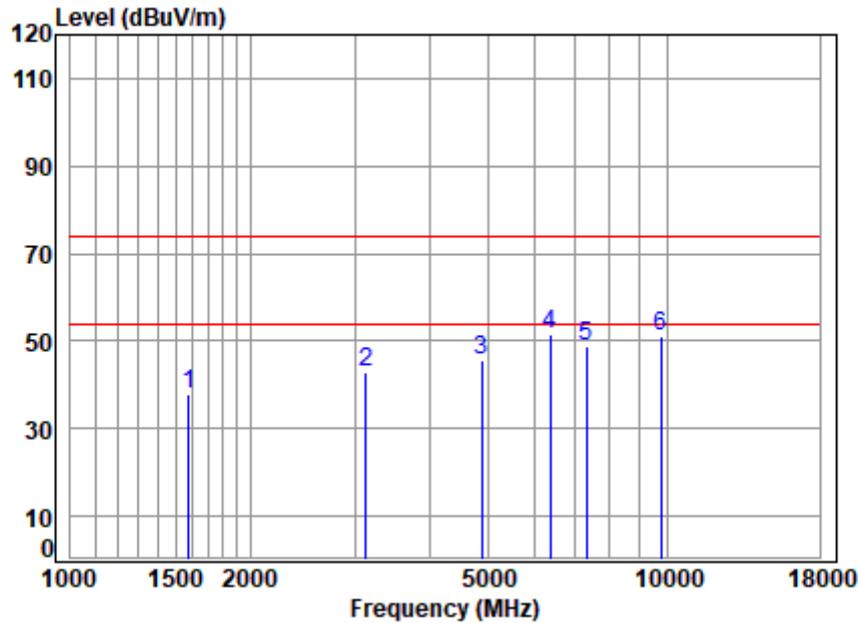
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 TX RSE
 Note : 1.4M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1460.295	5.35	25.65	40.48	44.83	35.35	74.00	-38.65 Peak
2	3435.590	6.40	31.60	41.65	47.51	43.86	74.00	-30.14 Peak
3	4883.000	7.97	34.07	42.82	46.42	45.64	74.00	-28.36 Peak
4	6470.026	11.48	35.57	41.97	46.91	51.99	74.00	-22.01 Peak
5	7324.500	10.04	36.16	41.52	43.62	48.30	74.00	-25.70 Peak
6	9766.000	10.82	37.76	38.34	40.96	51.20	74.00	-22.80 Peak



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



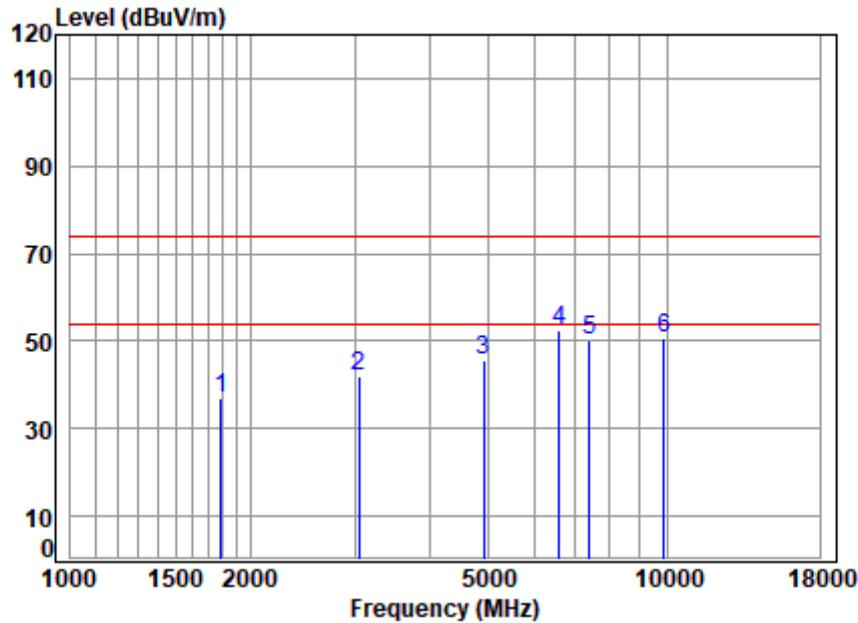
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 TX RSE
 Note : 1.4M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1578.822	5.38	26.16	40.56	47.01	37.99	74.00	-36.01 Peak
2	3123.039	6.11	31.11	41.33	47.12	43.01	74.00	-30.99 Peak
3	4883.000	7.97	34.07	42.82	46.21	45.43	74.00	-28.57 Peak
4	6377.195	11.31	35.48	42.02	46.65	51.42	74.00	-22.58 Peak
5	7324.500	10.04	36.16	41.52	44.28	48.96	74.00	-25.04 Peak
6	9766.000	10.82	37.76	38.34	41.03	51.27	74.00	-22.73 Peak



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Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2465.5MHz



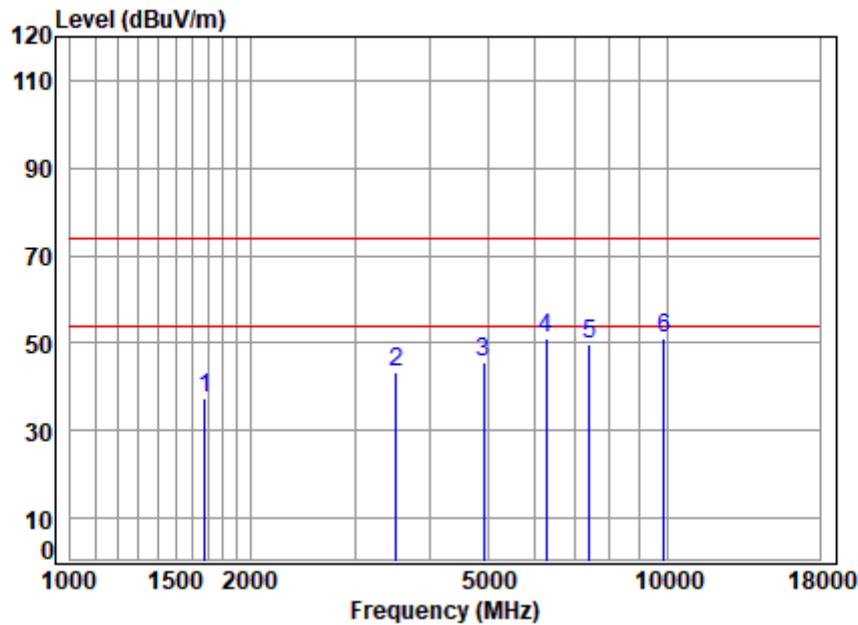
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2465.5 TX RSE
 Note : 1.4M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1787.762	5.13	27.02	40.68	45.34	36.81	74.00	-37.19 Peak
2	3042.846	6.02	30.97	41.25	46.15	41.89	74.00	-32.11 Peak
3	4931.000	8.02	34.12	42.85	46.39	45.68	74.00	-28.32 Peak
4	6583.209	11.30	35.65	41.91	47.43	52.47	74.00	-21.53 Peak
5	7396.500	10.03	36.22	41.48	45.23	50.00	74.00	-24.00 Peak
6	9862.000	10.87	37.82	38.20	40.11	50.60	74.00	-23.40 Peak



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2465.5MHz



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2465.5 TX RSE
 Note : 1.4M

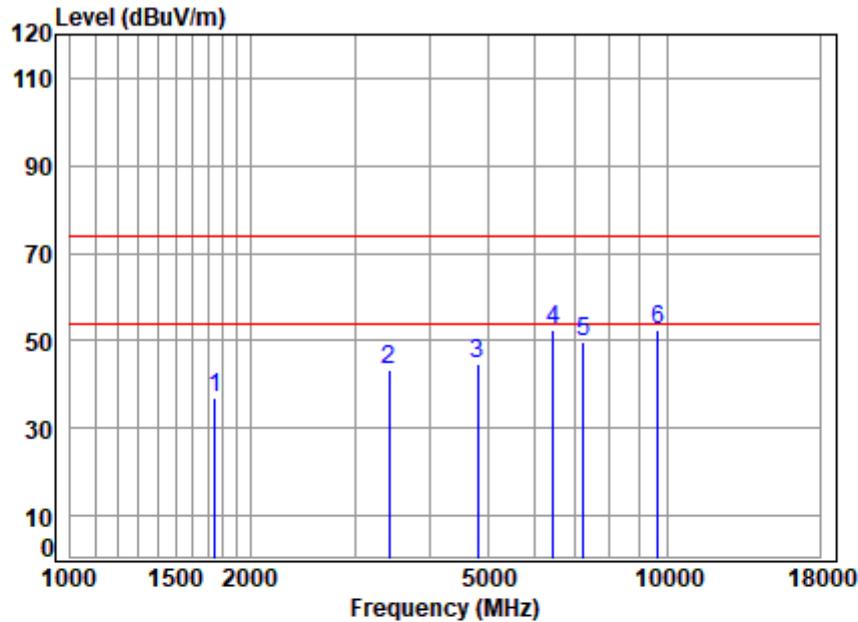
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1677.621	5.25	26.58	40.62	46.20	37.41	74.00	-36.59	Peak
2	3515.957	6.48	31.73	41.73	46.89	43.37	74.00	-30.63	Peak
3	4931.000	8.02	34.12	42.85	46.53	45.82	74.00	-28.18	Peak
4	6267.553	11.10	35.37	42.08	46.57	50.96	74.00	-23.04	Peak
5	7396.500	10.03	36.22	41.48	44.83	49.60	74.00	-24.40	Peak
6	9862.000	10.87	37.82	38.20	40.52	51.01	74.00	-22.99	Peak



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For 1.4MHz BW CA

Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz;Channel:2409.12MHz



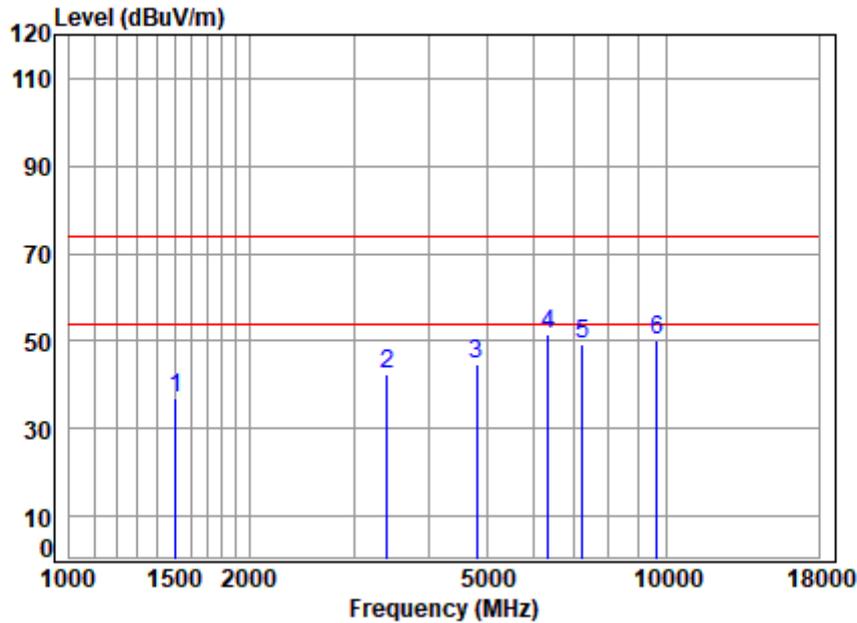
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2409.12 TX RSE
 Note : 1.4M CA

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1746.898	5.17	26.86	40.66	45.48	36.85	74.00	-37.15 Peak
2	3425.675	6.39	31.59	41.64	47.16	43.50	74.00	-30.50 Peak
3	4818.240	7.90	33.99	42.78	45.69	44.80	74.00	-29.20 Peak
4	6432.732	11.41	35.54	41.99	47.48	52.44	74.00	-21.56 Peak
5	7227.360	10.07	36.09	41.57	45.00	49.59	74.00	-24.41 Peak
6	9636.480	10.76	37.68	38.53	42.68	52.59	74.00	-21.41 Peak



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz;Channel:2409.12MHz



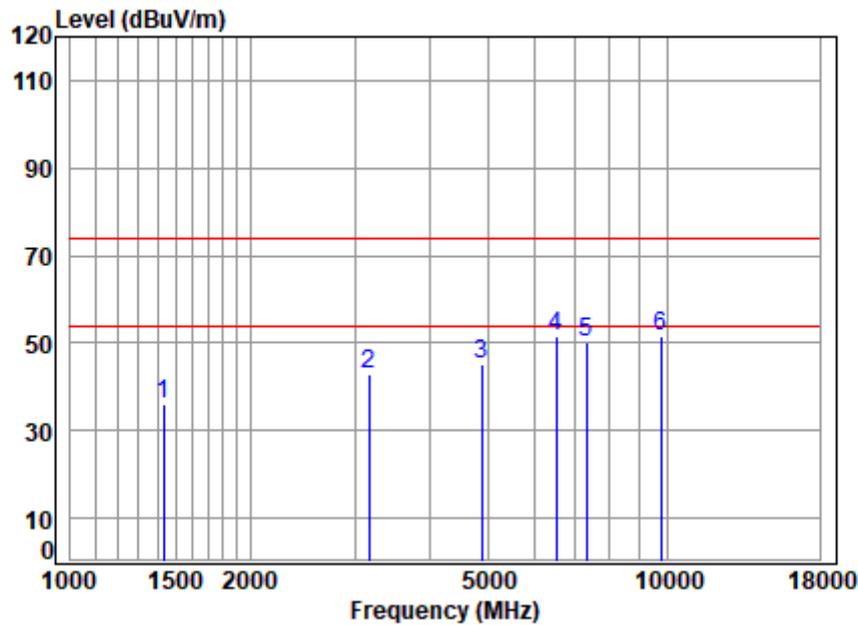
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2409.12 TX RSE
 Note : 1.4M CA

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	1507.470	5.47	25.83	40.51	46.01	74.00	-37.20	Peak
2	3405.929	6.38	31.56	41.62	46.19	74.00	-31.49	Peak
3	4818.240	7.90	33.99	42.78	45.74	74.00	-29.15	Peak
4	6340.436	11.24	35.44	42.04	46.76	74.00	-22.60	Peak
5	7227.360	10.07	36.09	41.57	44.71	74.00	-24.70	Peak
6	9636.480	10.76	37.68	38.53	40.28	74.00	-23.81	Peak



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Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2443.12MHz



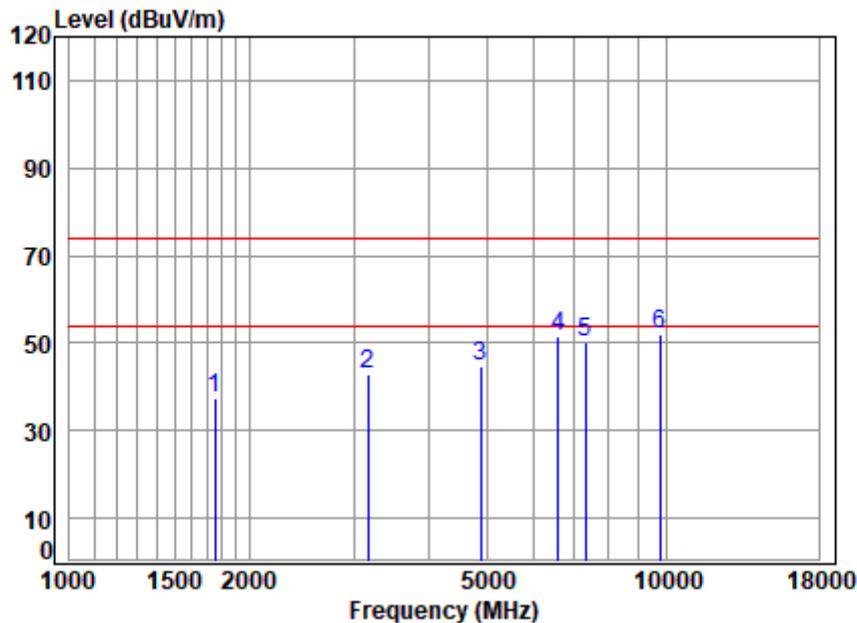
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2443.12 TX RSE
 Note : 1.4M CA

	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	1431.047	5.26	25.54	40.46	45.67	36.01	74.00	-37.99	Peak
2	3168.500	6.15	31.18	41.38	46.99	42.94	74.00	-31.06	Peak
3	4886.240	7.97	34.07	42.82	45.95	45.17	74.00	-28.83	Peak
4	6526.373	11.46	35.62	41.94	46.50	51.64	74.00	-22.36	Peak
5	7329.360	10.04	36.17	41.52	45.36	50.05	74.00	-23.95	Peak
6	9772.480	10.83	37.77	38.33	41.08	51.35	74.00	-22.65	Peak



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2443.12MHz



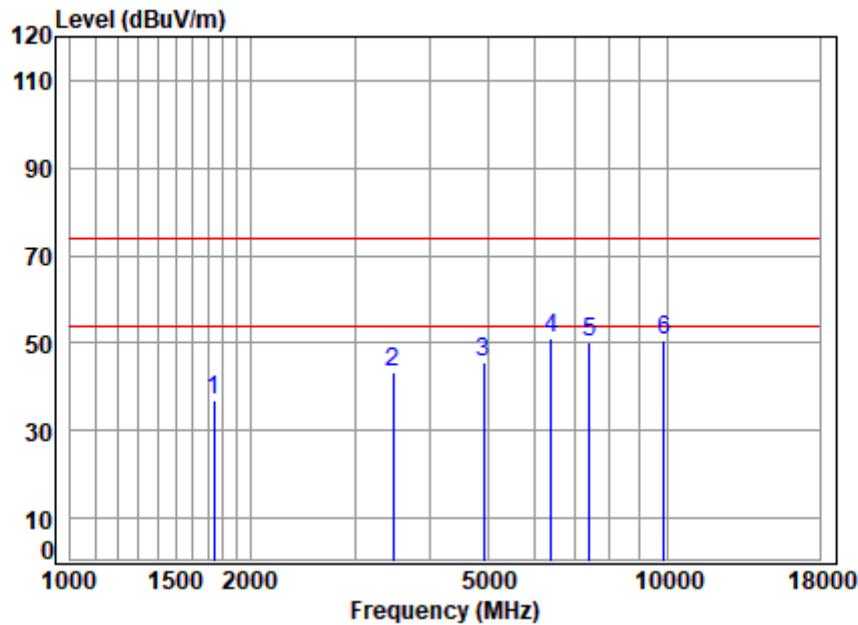
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2443.12 TX RSE
 Note : 1.4M CA

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1751.955	5.17	26.88	40.66	46.10	37.49	74.00	-36.51 Peak
2	3159.355	6.14	31.17	41.37	46.90	42.84	74.00	-31.16 Peak
3	4886.240	7.97	34.07	42.82	45.55	44.77	74.00	-29.23 Peak
4	6602.265	11.24	35.66	41.89	46.63	51.64	74.00	-22.36 Peak
5	7329.360	10.04	36.17	41.52	45.58	50.27	74.00	-23.73 Peak
6	9772.480	10.83	37.77	38.33	41.67	51.94	74.00	-22.06 Peak



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Mode:a; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2467.12MHz



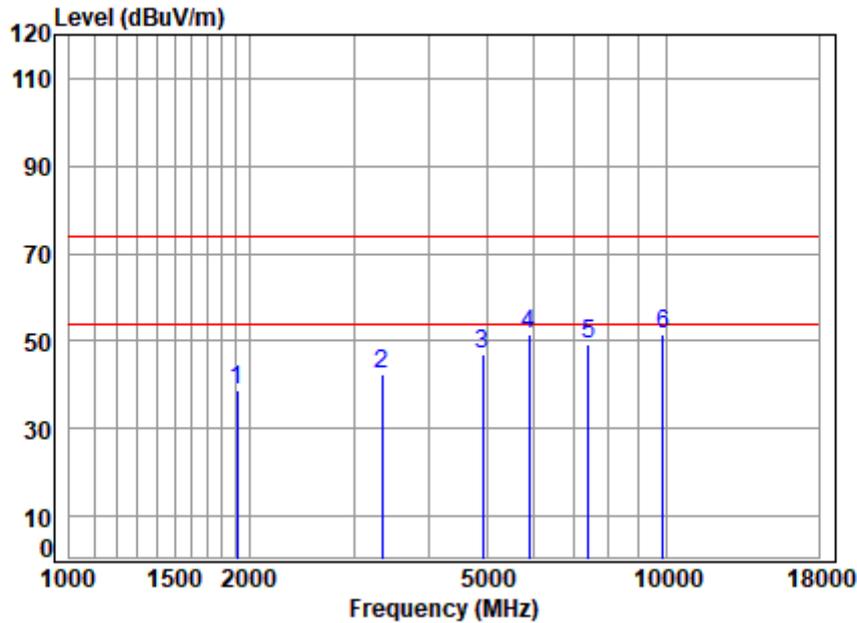
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2467.12 TX RSE
 Note : 1.4M CA

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1741.856	5.18	26.84	40.66	45.41	36.77	74.00	-37.23 Peak
2	3475.541	6.44	31.66	41.69	47.03	43.44	74.00	-30.56 Peak
3	4934.240	8.02	34.12	42.86	46.32	45.60	74.00	-28.40 Peak
4	6395.654	11.34	35.50	42.01	46.39	51.22	74.00	-22.78 Peak
5	7401.360	10.02	36.22	41.48	45.51	50.27	74.00	-23.73 Peak
6	9868.480	10.88	37.82	38.19	40.36	50.87	74.00	-23.13 Peak



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Mode:a; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2467.12MHz



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2467.12 TX RSE
 Note : 1.4M CA

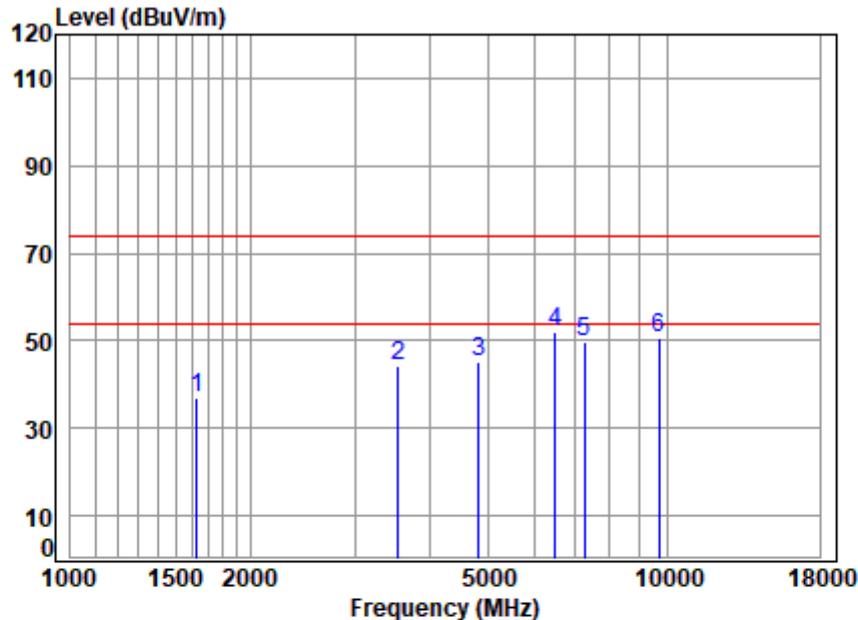
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1910.650	4.99	27.48	40.75	46.86	38.58	74.00	-35.42 Peak
2	3347.371	6.32	31.47	41.56	46.31	42.54	74.00	-31.46 Peak
3	4934.240	8.02	34.12	42.86	47.50	46.78	74.00	-27.22 Peak
4	5881.418	10.18	34.99	42.31	48.59	51.45	74.00	-22.55 Peak
5	7401.360	10.02	36.22	41.48	44.32	49.08	74.00	-24.92 Peak
6	9868.480	10.88	37.82	38.19	40.92	51.43	74.00	-22.57 Peak



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For 3MHz BW

Mode:a; Polarization:Horizontal; Bandwidth:3MHz; Channel:2417.5MHz



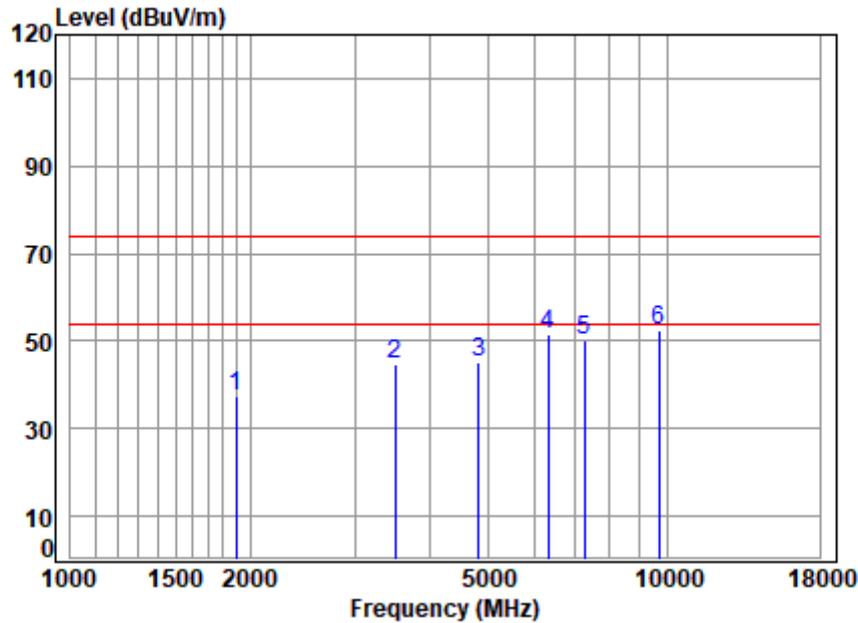
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 TX RSE
 Note : 3M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1629.825	5.31	26.38	40.59	45.83	36.93	74.00	-37.07 Peak
2	3546.577	6.51	31.80	41.76	47.50	44.05	74.00	-29.95 Peak
3	4835.000	7.92	34.01	42.79	46.03	45.17	74.00	-28.83 Peak
4	6488.754	11.52	35.59	41.96	46.69	51.84	74.00	-22.16 Peak
5	7252.500	10.06	36.11	41.55	45.23	49.85	74.00	-24.15 Peak
6	9670.000	10.78	37.70	38.48	40.76	50.76	74.00	-23.24 Peak



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Mode:a; Polarization:Vertical; Bandwidth:3MHz; Channel:2417.5MHz



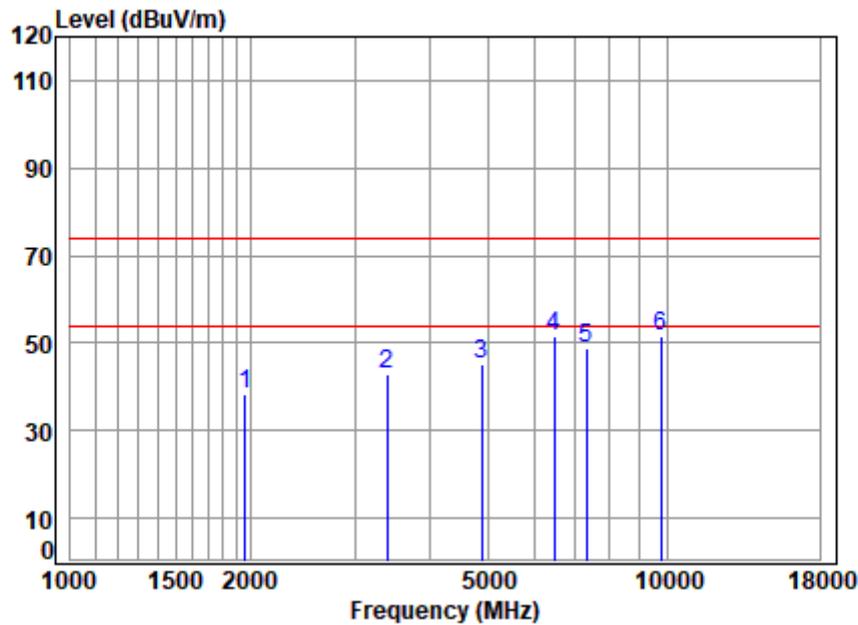
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2417.5 TX RSE
 Note : 3M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1894.154	5.01	27.42	40.74	45.78	37.47	74.00	-36.53 Peak
2	3495.691	6.46	31.69	41.71	48.13	44.57	74.00	-29.43 Peak
3	4835.000	7.92	34.01	42.79	46.18	45.32	74.00	-28.68 Peak
4	6322.136	11.20	35.43	42.05	47.15	51.73	74.00	-22.27 Peak
5	7252.500	10.06	36.11	41.55	45.78	50.40	74.00	-23.60 Peak
6	9670.000	10.78	37.70	38.48	42.41	52.41	74.00	-21.59 Peak



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Mode:a; Polarization:Horizontal; Bandwidth:3MHz; Channel:2441.5MHz



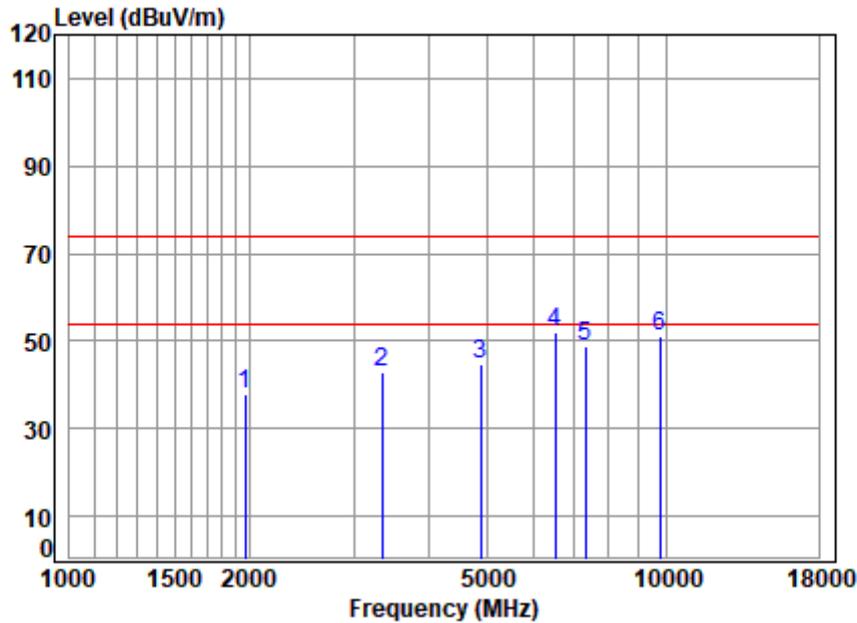
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 TX RSE
 Note : 3M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	1961.004	4.94	27.66	40.77	46.71	74.00	-35.46	Peak
2	3396.098	6.37	31.54	41.61	46.78	74.00	-30.92	Peak
3	4883.000	7.97	34.07	42.82	45.82	74.00	-28.96	Peak
4	6470.026	11.48	35.57	41.97	46.33	74.00	-22.59	Peak
5	7324.500	10.04	36.16	41.52	44.27	74.00	-25.05	Peak
6	9766.000	10.82	37.76	38.34	41.54	74.00	-22.22	Peak



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Mode:a; Polarization:Vertical; Bandwidth:3MHz; Channel:2441.5MHz



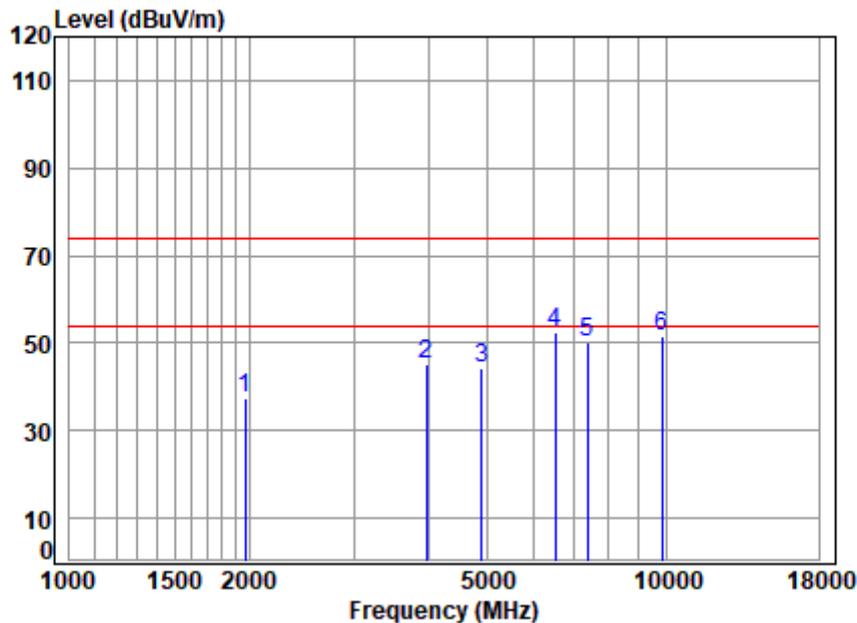
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 TX RSE
 Note : 3M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	1966.680	4.93	27.68	40.78	45.98	74.00	-36.19	Peak
2	3337.710	6.31	31.45	41.56	46.71	74.00	-31.09	Peak
3	4883.000	7.97	34.07	42.82	45.31	74.00	-29.47	Peak
4	6526.373	11.46	35.62	41.94	47.09	74.00	-21.77	Peak
5	7324.500	10.04	36.16	41.52	44.11	74.00	-25.21	Peak
6	9766.000	10.82	37.76	38.34	40.88	74.00	-22.88	Peak



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Mode:a; Polarization:Horizontal; Bandwidth:3MHz; Channel:2456.5MHz



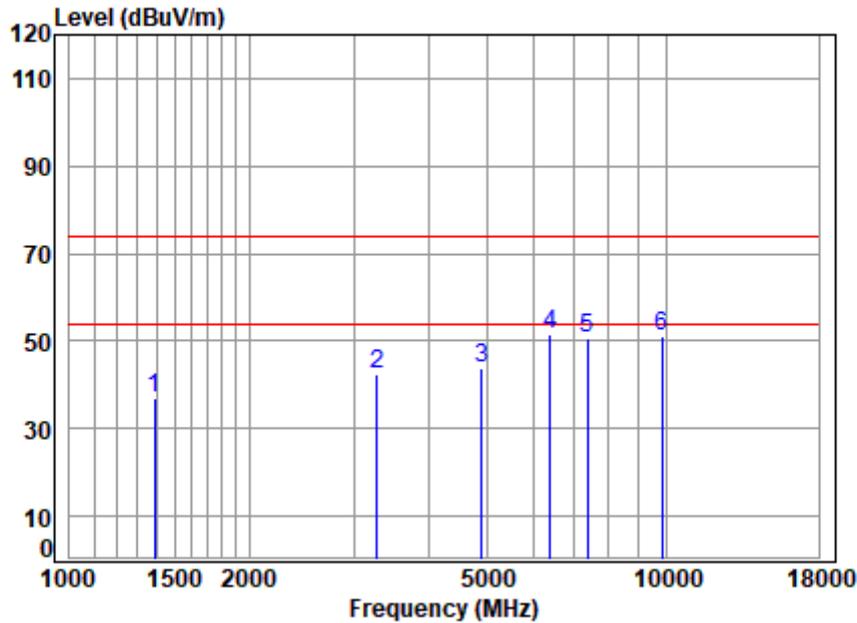
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2456.5 TX RSE
 Note : 3M

	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	1966.680	4.93	27.68	40.78	45.70	37.53	74.00	-36.47	Peak
2	3958.309	6.94	32.62	42.12	47.87	45.31	74.00	-28.69	Peak
3	4913.000	8.00	34.10	42.84	45.05	44.31	74.00	-29.69	Peak
4	6507.536	11.52	35.60	41.95	47.40	52.57	74.00	-21.43	Peak
5	7369.500	10.03	36.20	41.50	45.41	50.14	74.00	-23.86	Peak
6	9826.000	10.85	37.80	38.25	41.36	51.76	74.00	-22.24	Peak



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Mode:a; Polarization:Vertical; Bandwidth:3MHz; Channel:2456.5MHz



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2456.5 TX RSE
 Note : 3M

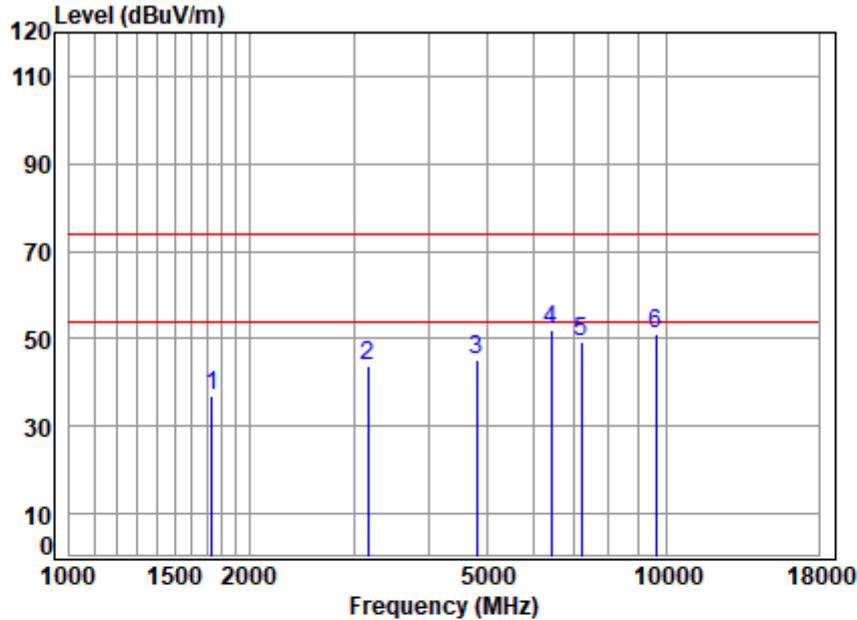
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1390.276	5.12	25.39	40.43	47.05	37.13	74.00	-36.87	Peak
2	3270.858	6.25	31.35	41.49	46.18	42.29	74.00	-31.71	Peak
3	4913.000	8.00	34.10	42.84	44.61	43.87	74.00	-30.13	Peak
4	6395.654	11.34	35.50	42.01	46.85	51.68	74.00	-22.32	Peak
5	7369.500	10.03	36.20	41.50	45.71	50.44	74.00	-23.56	Peak
6	9826.000	10.85	37.80	38.25	40.71	51.11	74.00	-22.89	Peak



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For 10MHz BW

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



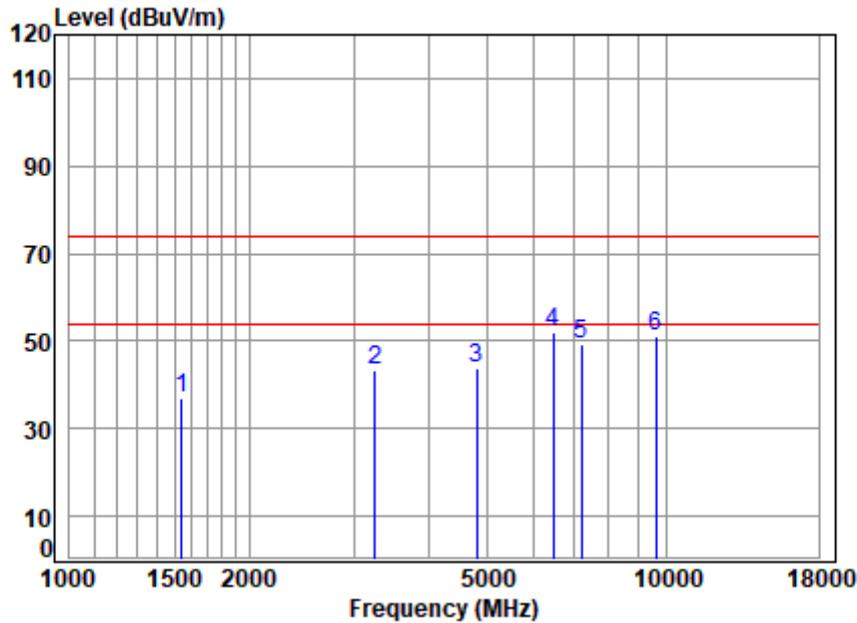
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2405.5 TX RSE
 Note : 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1731.816	5.19	26.80	40.65	45.60	36.94	74.00	-37.06 Peak
2	3168.500	6.15	31.18	41.38	47.76	43.71	74.00	-30.29 Peak
3	4811.000	7.90	33.98	42.77	45.95	45.06	74.00	-28.94 Peak
4	6414.167	11.38	35.52	42.00	47.16	52.06	74.00	-21.94 Peak
5	7216.500	10.07	36.08	41.57	44.89	49.47	74.00	-24.53 Peak
6	9622.000	10.75	37.67	38.55	41.44	51.31	74.00	-22.69 Peak



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



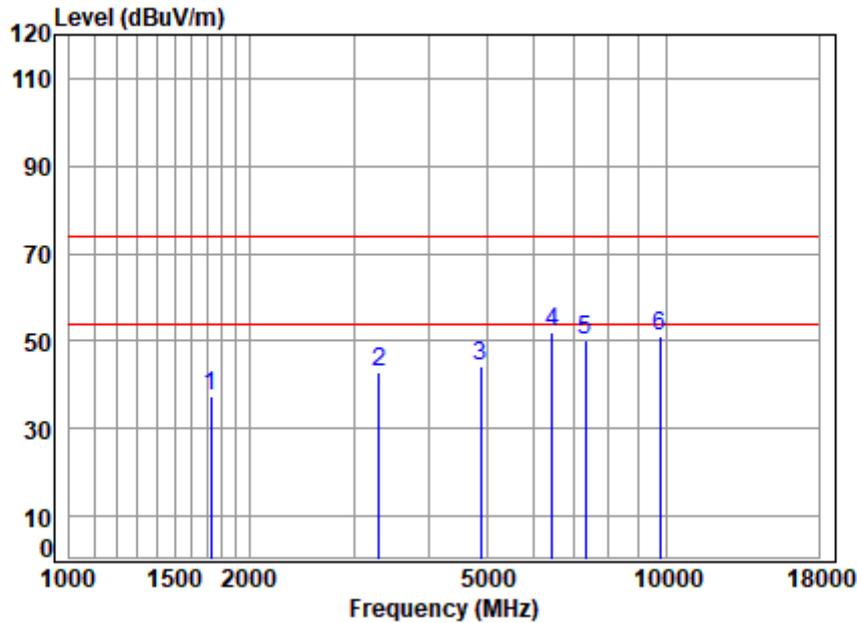
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2405.5 TX RSE
 Note : 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1542.733	5.42	26.00	40.53	45.90	36.79	74.00	-37.21 Peak
2	3252.005	6.23	31.32	41.47	47.09	43.17	74.00	-30.83 Peak
3	4811.000	7.90	33.98	42.77	44.66	43.77	74.00	-30.23 Peak
4	6470.026	11.48	35.57	41.97	46.97	52.05	74.00	-21.95 Peak
5	7216.500	10.07	36.08	41.57	44.81	49.39	74.00	-24.61 Peak
6	9622.000	10.75	37.67	38.55	41.29	51.16	74.00	-22.84 Peak



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Mode:a; Polarization:Horizontal; Bandwidth:10MHz; Channel:2441.5MHz



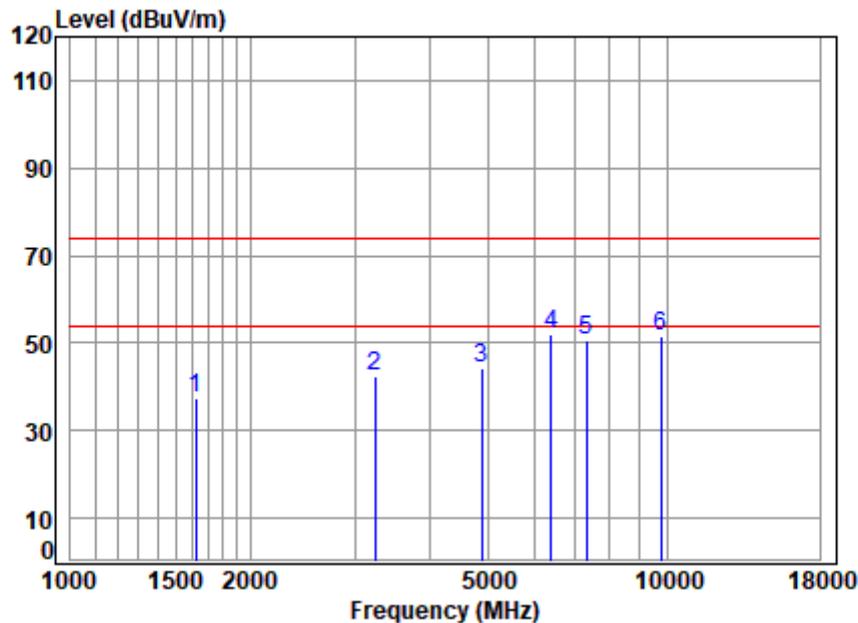
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 TX RSE
 Note : 10M

	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	1726.818	5.20	26.78	40.65	46.19	37.52	74.00	-36.48	Peak
2	3299.344	6.28	31.39	41.52	46.69	42.84	74.00	-31.16	Peak
3	4883.000	7.97	34.07	42.82	45.26	44.48	74.00	-29.52	Peak
4	6432.732	11.41	35.54	41.99	47.09	52.05	74.00	-21.95	Peak
5	7324.500	10.04	36.16	41.52	45.64	50.32	74.00	-23.68	Peak
6	9766.000	10.82	37.76	38.34	41.02	51.26	74.00	-22.74	Peak



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Mode:a; Polarization:Vertical; Bandwidth:10MHz; Channel:2441.5MHz



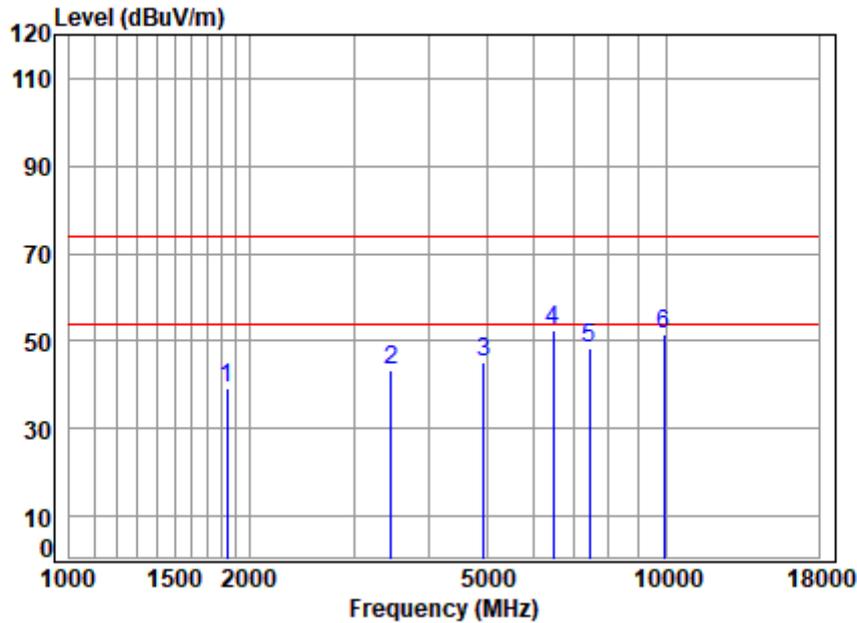
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 TX RSE
 Note : 10M

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1625.121	5.32	26.36	40.59	46.20	37.29	74.00	-36.71 Peak
2	3233.260	6.21	31.29	41.45	46.34	42.39	74.00	-31.61 Peak
3	4883.000	7.97	34.07	42.82	45.14	44.36	74.00	-29.64 Peak
4	6395.654	11.34	35.50	42.01	47.06	51.89	74.00	-22.11 Peak
5	7324.500	10.04	36.16	41.52	46.04	50.72	74.00	-23.28 Peak
6	9766.000	10.82	37.76	38.34	41.41	51.65	74.00	-22.35 Peak



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



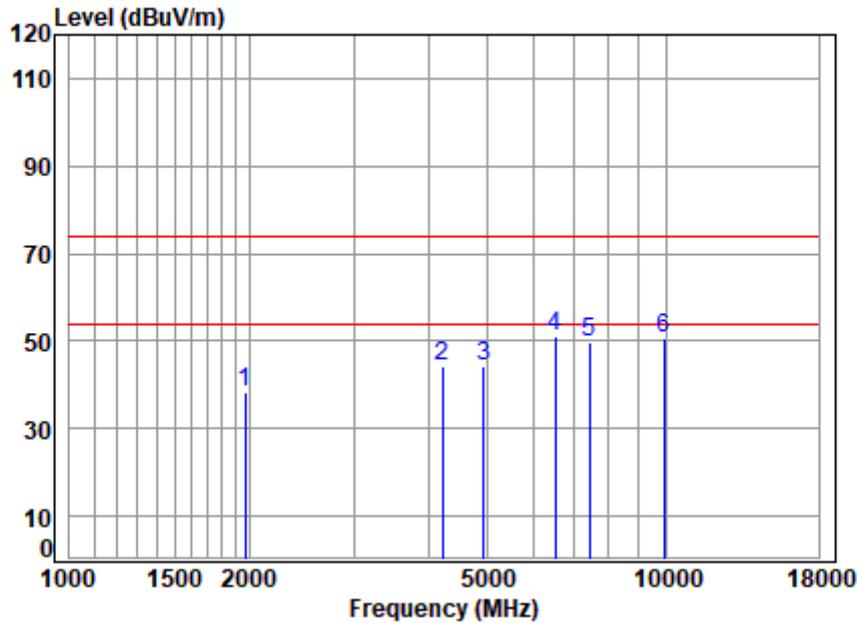
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2476.5 TX RSE
 Note : 10M

	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	1834.878	5.07	27.20	40.71	47.58	39.14	74.00	-34.86	Peak
2	3465.510	6.43	31.65	41.68	47.11	43.51	74.00	-30.49	Peak
3	4953.000	8.04	34.15	42.87	45.84	45.16	74.00	-28.84	Peak
4	6470.026	11.48	35.57	41.97	47.33	52.41	74.00	-21.59	Peak
5	7429.500	10.02	36.25	41.47	43.76	48.56	74.00	-25.44	Peak
6	9906.000	10.89	37.84	38.14	40.98	51.57	74.00	-22.43	Peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2476.5 TX RSE
 Note : 10M

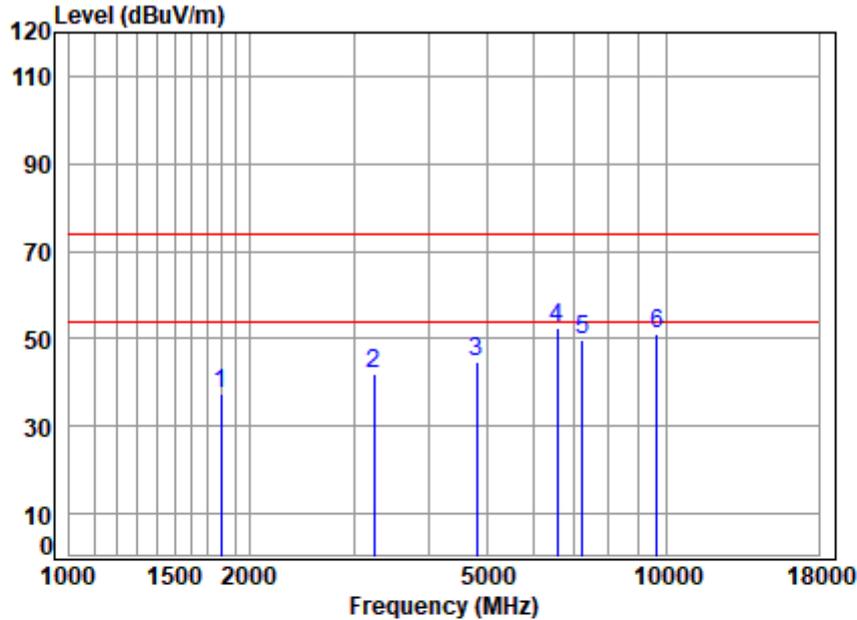
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1966.680	4.93	27.68	40.78	46.52	38.35	74.00	-35.65	Peak
2	4218.186	7.24	33.11	42.33	46.25	44.27	74.00	-29.73	Peak
3	4953.000	8.04	34.15	42.87	45.16	44.48	74.00	-29.52	Peak
4	6526.373	11.46	35.62	41.94	46.01	51.15	74.00	-22.85	Peak
5	7429.500	10.02	36.25	41.47	44.93	49.73	74.00	-24.27	Peak
6	9906.000	10.89	37.84	38.14	40.17	50.76	74.00	-23.24	Peak



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For 20MHz BW

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



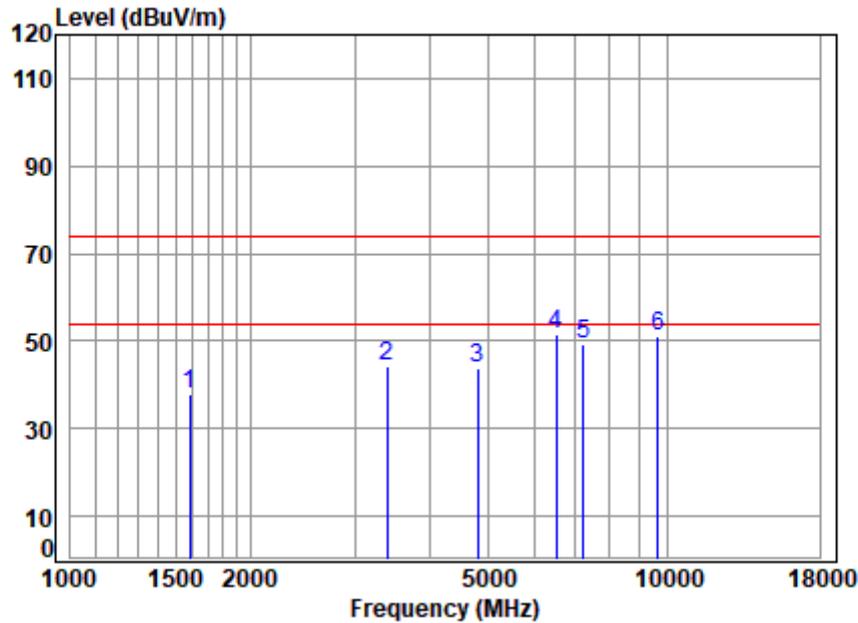
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2410.5 TX RSE
 Note : 20M

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5.11	27.06	40.69	46.04	37.52	74.00	-36.48	Peak
2	6.21	31.29	41.45	45.74	41.79	74.00	-32.21	Peak
3	7.91	33.99	42.78	45.47	44.59	74.00	-29.41	Peak
4	11.35	35.64	41.92	47.51	52.58	74.00	-21.42	Peak
5	10.07	36.09	41.57	45.30	49.89	74.00	-24.11	Peak
6	10.76	37.69	38.52	41.38	51.31	74.00	-22.69	Peak



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



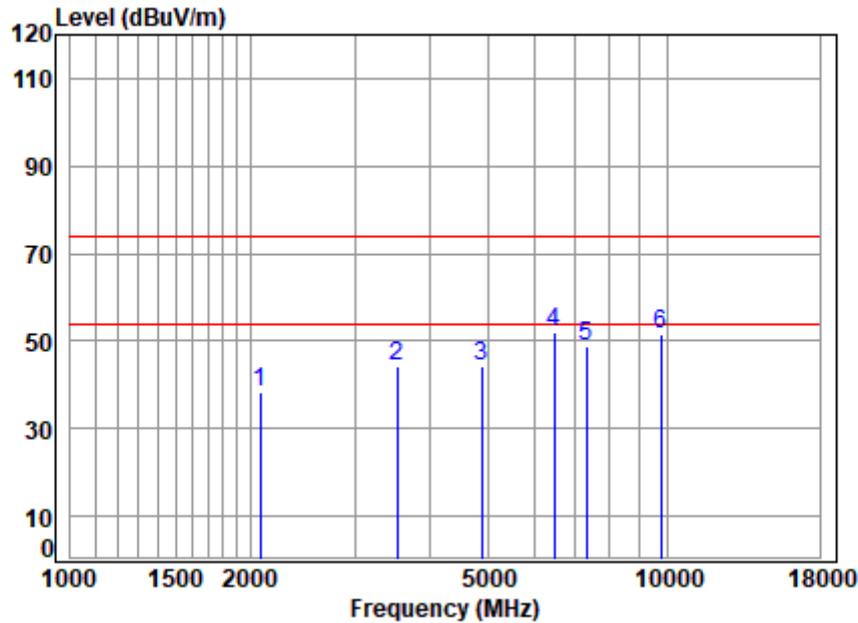
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2410.5 TX RSE
 Note : 20M

	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	40.56	46.76	37.75	74.00	-36.25	Peak
2	3396.098	6.37	31.54	41.61	47.78	44.08	74.00	-29.92	Peak
3	4821.000	7.91	33.99	42.78	44.81	43.93	74.00	-30.07	Peak
4	6507.536	11.52	35.60	41.95	46.39	51.56	74.00	-22.44	Peak
5	7231.500	10.07	36.09	41.57	44.90	49.49	74.00	-24.51	Peak
6	9642.000	10.76	37.69	38.52	40.95	50.88	74.00	-23.12	Peak



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



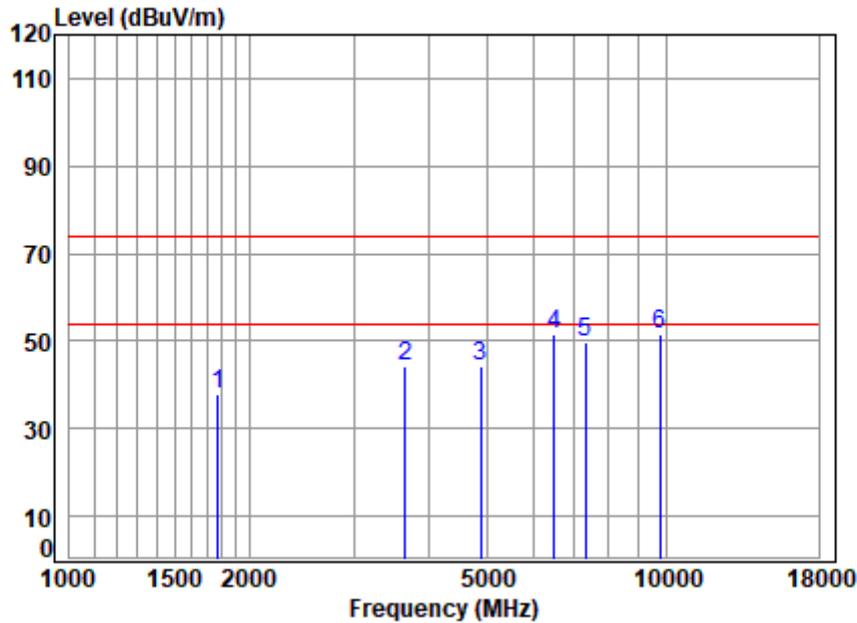
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 TX RSE
 Note : 20M

	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	2083.719	5.03	27.97	40.84	46.24	38.40	74.00	-35.60	Peak
2	3526.134	6.49	31.76	41.74	47.53	44.04	74.00	-29.96	Peak
3	4883.000	7.97	34.07	42.82	45.02	44.24	74.00	-29.76	Peak
4	6470.026	11.48	35.57	41.97	46.80	51.88	74.00	-22.12	Peak
5	7324.500	10.04	36.16	41.52	43.92	48.60	74.00	-25.40	Peak
6	9766.000	10.82	37.76	38.34	41.18	51.42	74.00	-22.58	Peak



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



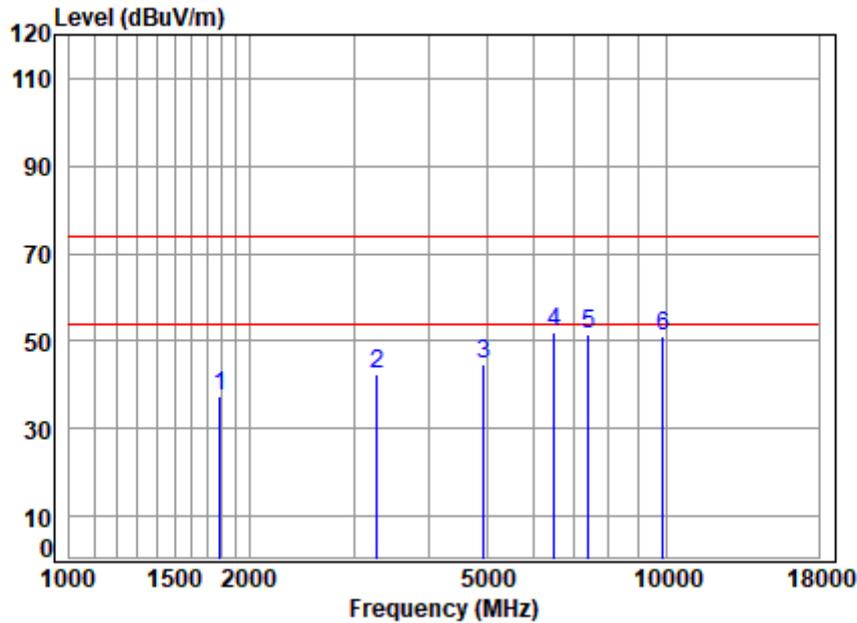
Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2441.5 TX RSE
 Note : 20M

	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	1777.458	5.14	26.98	40.68	46.40	37.84	74.00	-36.16	Peak
2	3650.582	6.62	32.02	41.85	47.33	44.12	74.00	-29.88	Peak
3	4883.000	7.97	34.07	42.82	45.22	44.44	74.00	-29.56	Peak
4	6488.754	11.52	35.59	41.96	46.57	51.72	74.00	-22.28	Peak
5	7324.500	10.04	36.16	41.52	45.18	49.86	74.00	-24.14	Peak
6	9766.000	10.82	37.76	38.34	41.37	51.61	74.00	-22.39	Peak



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



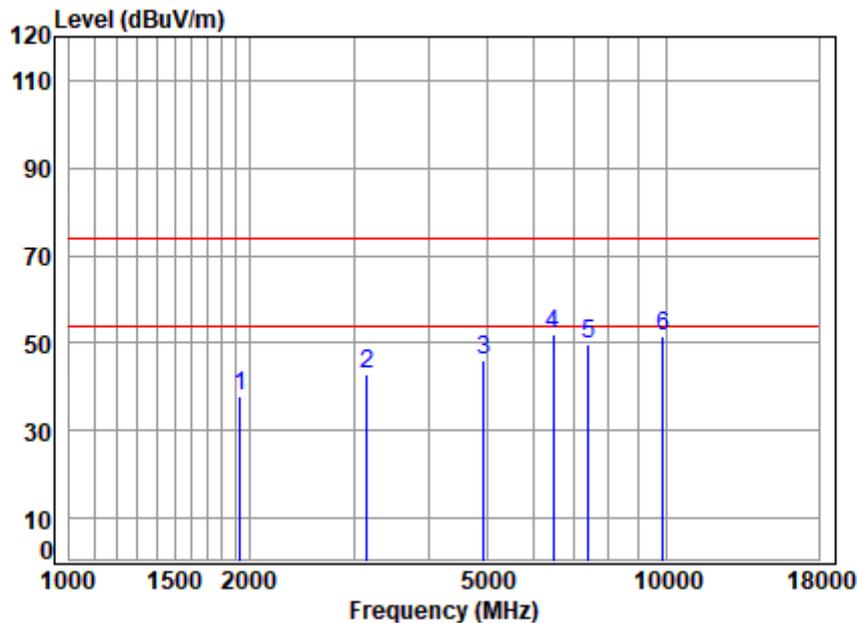
Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 21059CR\21060CR
 Mode : 2472.5 TX RSE
 Note : 20M

	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	1787.762	5.13	27.02	40.68	46.08	37.55	74.00	-36.45	Peak
2	3280.326	6.26	31.36	41.50	46.47	42.59	74.00	-31.41	Peak
3	4945.000	8.03	34.14	42.86	45.60	44.91	74.00	-29.09	Peak
4	6488.754	11.52	35.59	41.96	46.74	51.89	74.00	-22.11	Peak
5	7417.500	10.02	36.24	41.47	46.72	51.51	74.00	-22.49	Peak
6	9890.000	10.89	37.84	38.16	40.72	51.29	74.00	-22.71	Peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 21059CR\21060CR
 Mode : 2472.5 TX RSE
 Note : 20M

	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	1932.868	4.97	27.56	40.76	46.13	37.90	74.00	-36.10	Peak
2	3150.237	6.13	31.15	41.36	47.12	43.04	74.00	-30.96	Peak
3	4945.000	8.03	34.14	42.86	46.91	46.22	74.00	-27.78	Peak
4	6470.026	11.48	35.57	41.97	46.89	51.97	74.00	-22.03	Peak
5	7417.500	10.02	36.24	41.47	45.07	49.86	74.00	-24.14	Peak
6	9890.000	10.89	37.84	38.16	40.91	51.48	74.00	-22.52	Peak



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8 Photographs

8.1 Test Setup

Refer to Setup Photos

8.2 EUT Constructional Details (EUT Photos)

Refer to EUT external and internal photos



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9 Appendix

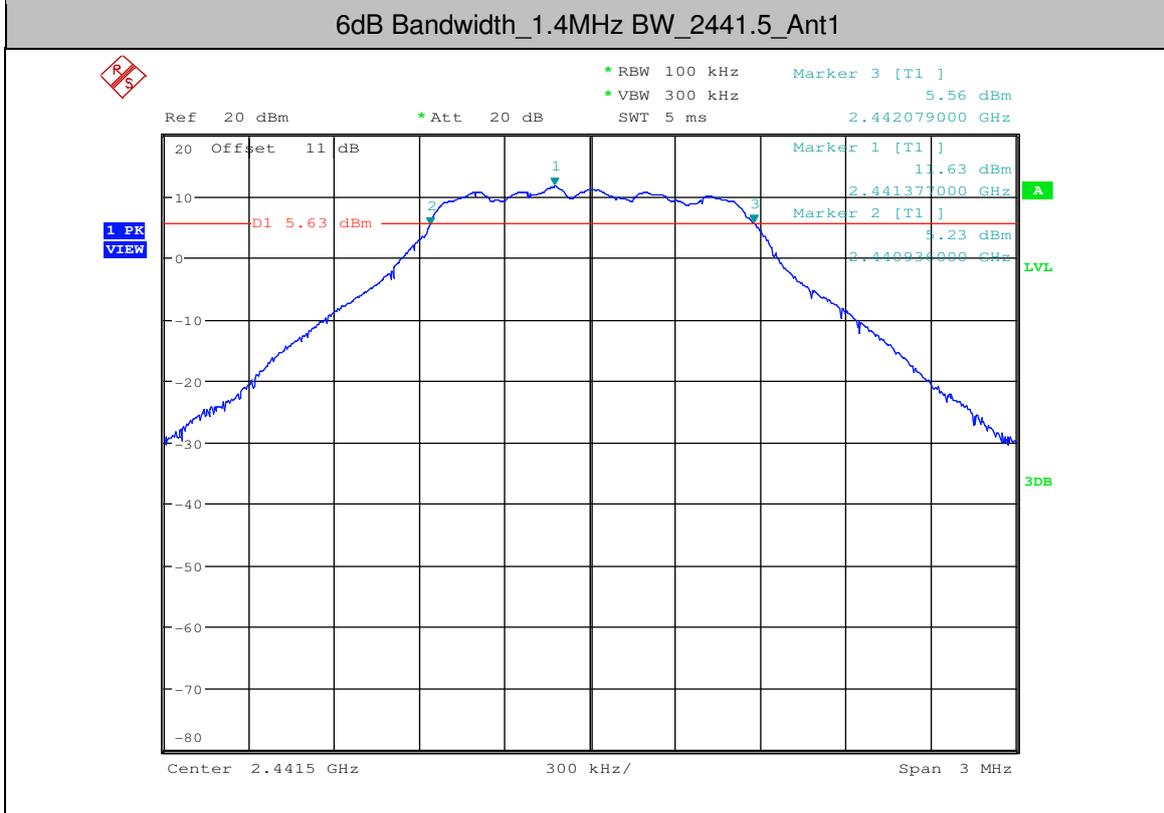
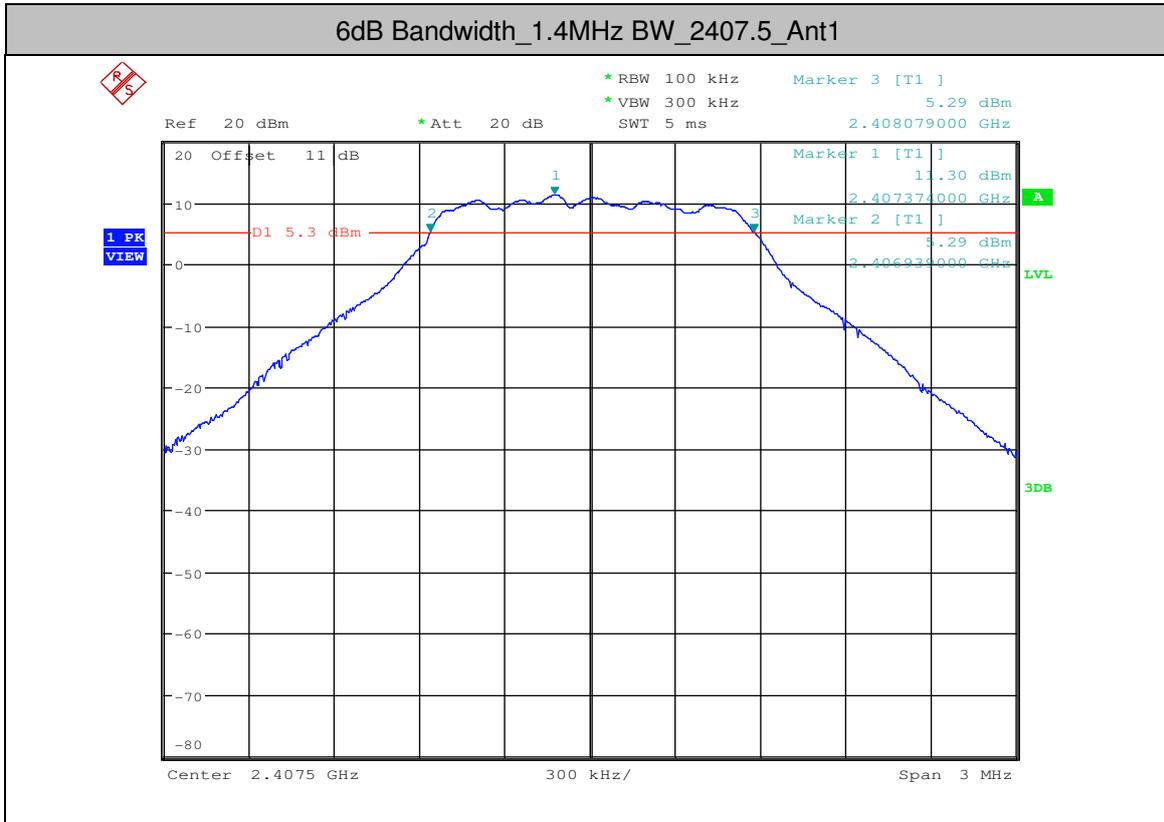
9.1 Appendix RSS247

1.6dB Bandwidth

Test Mode	Test	Ant	EBW[MHz]	Limit[MHz]	Verdict
1.4MHz BW	2407.5	Ant1	1.140	>=0.5	PASS
1.4MHz BW	2441.5	Ant1	1.143	>=0.5	PASS
1.4MHz BW	2465.5	Ant1	1.140	>=0.5	PASS
1.4MHz BW CA	2409.12	Ant1	1.128	>=0.5	PASS
1.4MHz BW CA	2443.12	Ant1	1.128	>=0.5	PASS
1.4MHz BW CA	2467.12	Ant1	1.125	>=0.5	PASS
3MHz BW	2417.5	Ant1	2.202	>=0.5	PASS
3MHz BW	2441.5	Ant1	2.208	>=0.5	PASS
3MHz BW	2456.5	Ant1	2.202	>=0.5	PASS
10MHz BW	2405.5	Ant1	9.000	>=0.5	PASS
10MHz BW	2441.5	Ant1	9.060	>=0.5	PASS
10MHz BW	2476.5	Ant1	9.060	>=0.5	PASS
20MHz BW	2410.5	Ant1	18.000	>=0.5	PASS
20MHz BW	2441.5	Ant1	18.050	>=0.5	PASS
20MHz BW	2472.5	Ant1	18.000	>=0.5	PASS

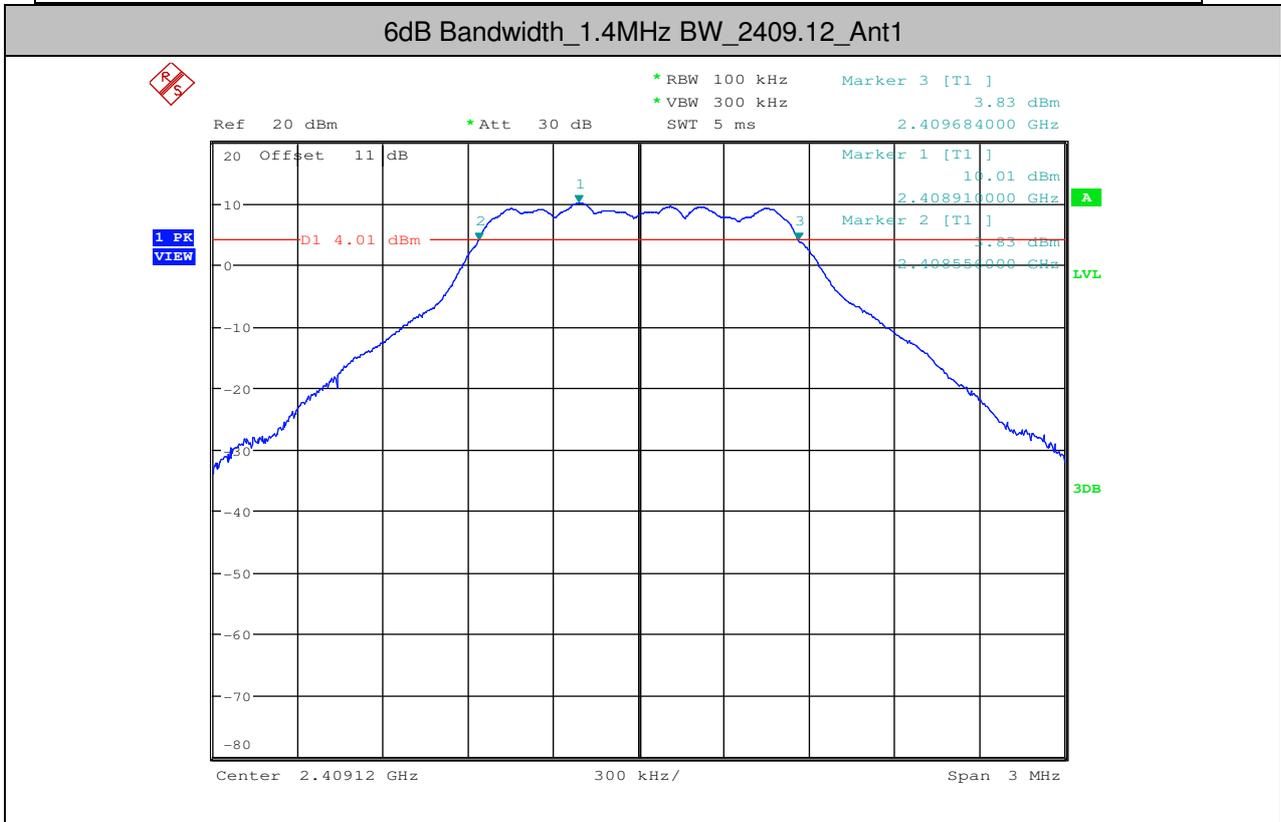
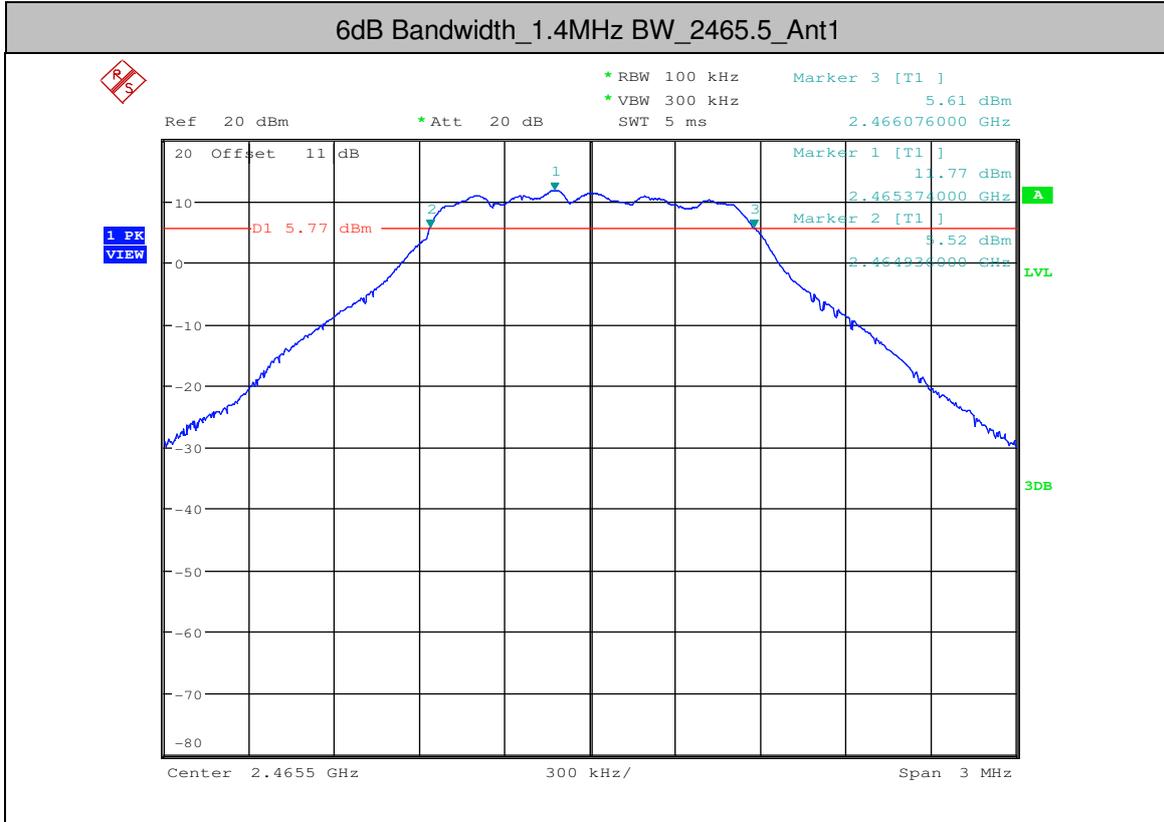


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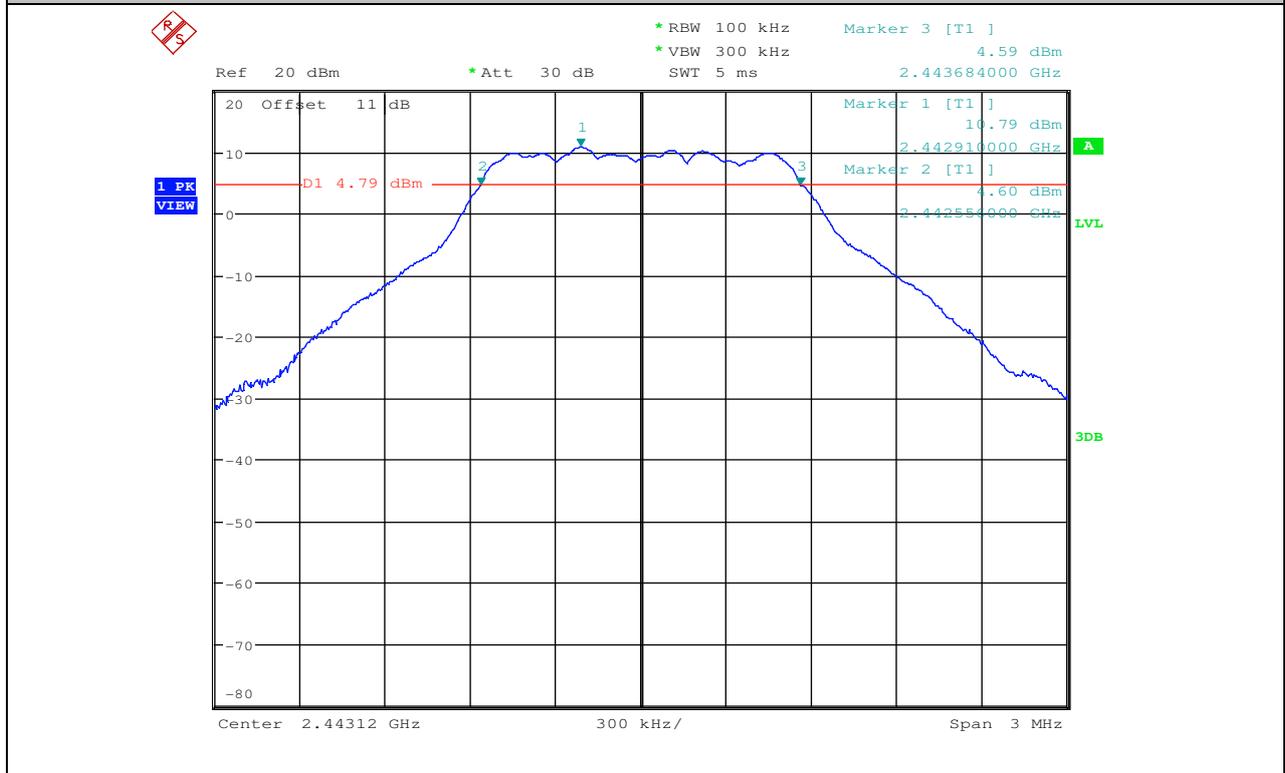
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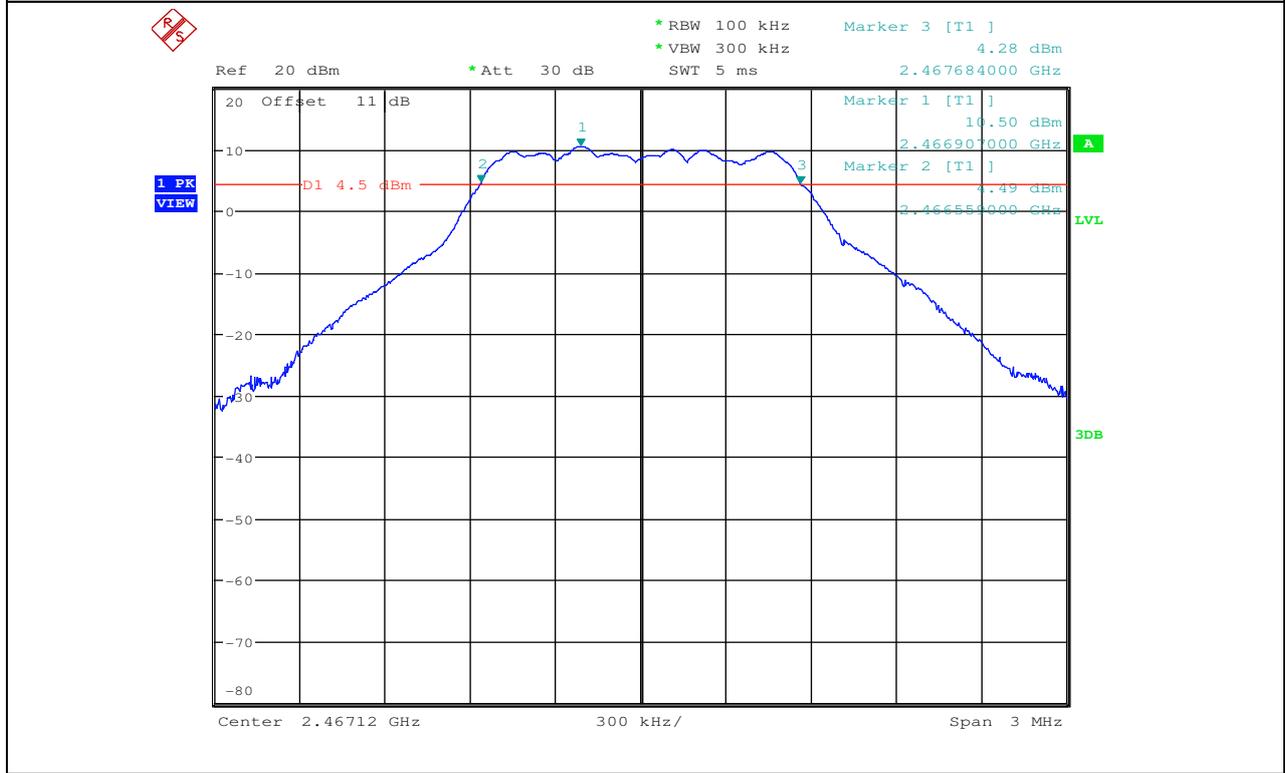
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6dB Bandwidth_1.4MHz BW_2443.12_Ant1



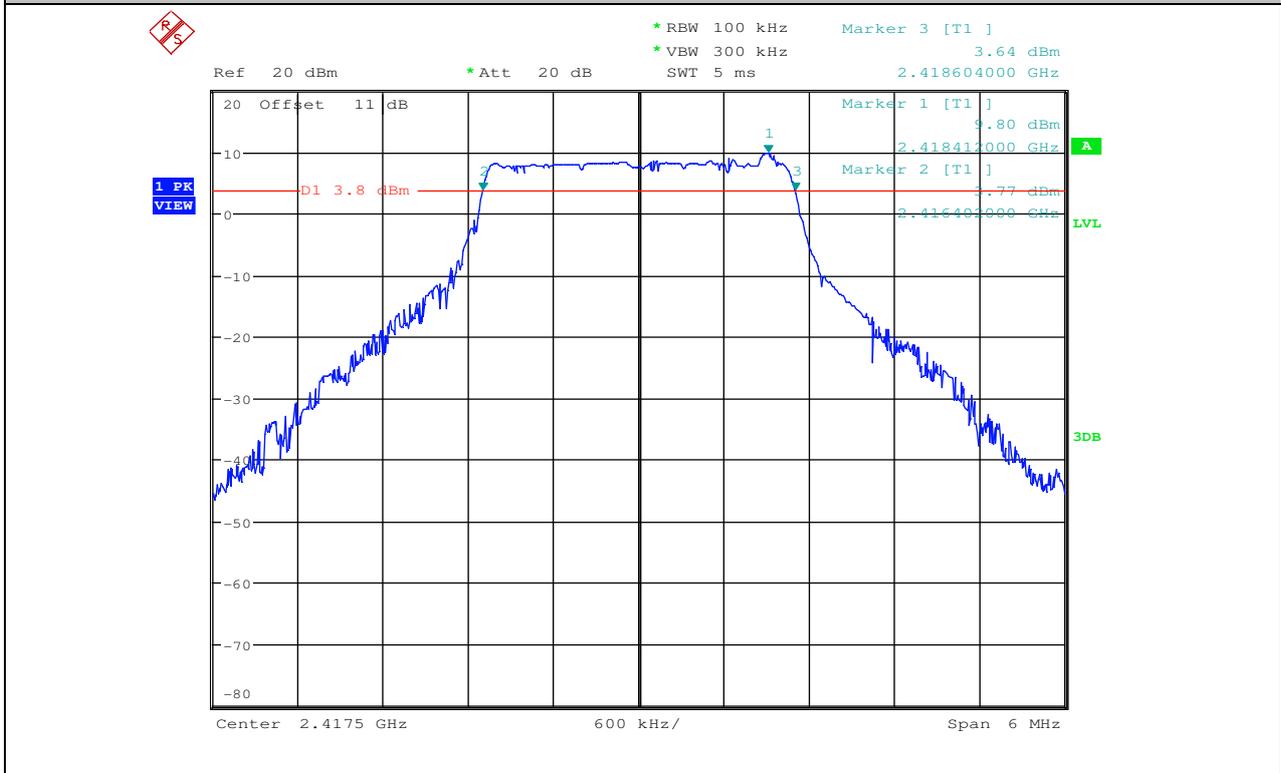
6dB Bandwidth_1.4MHz BW_2467.12_Ant1



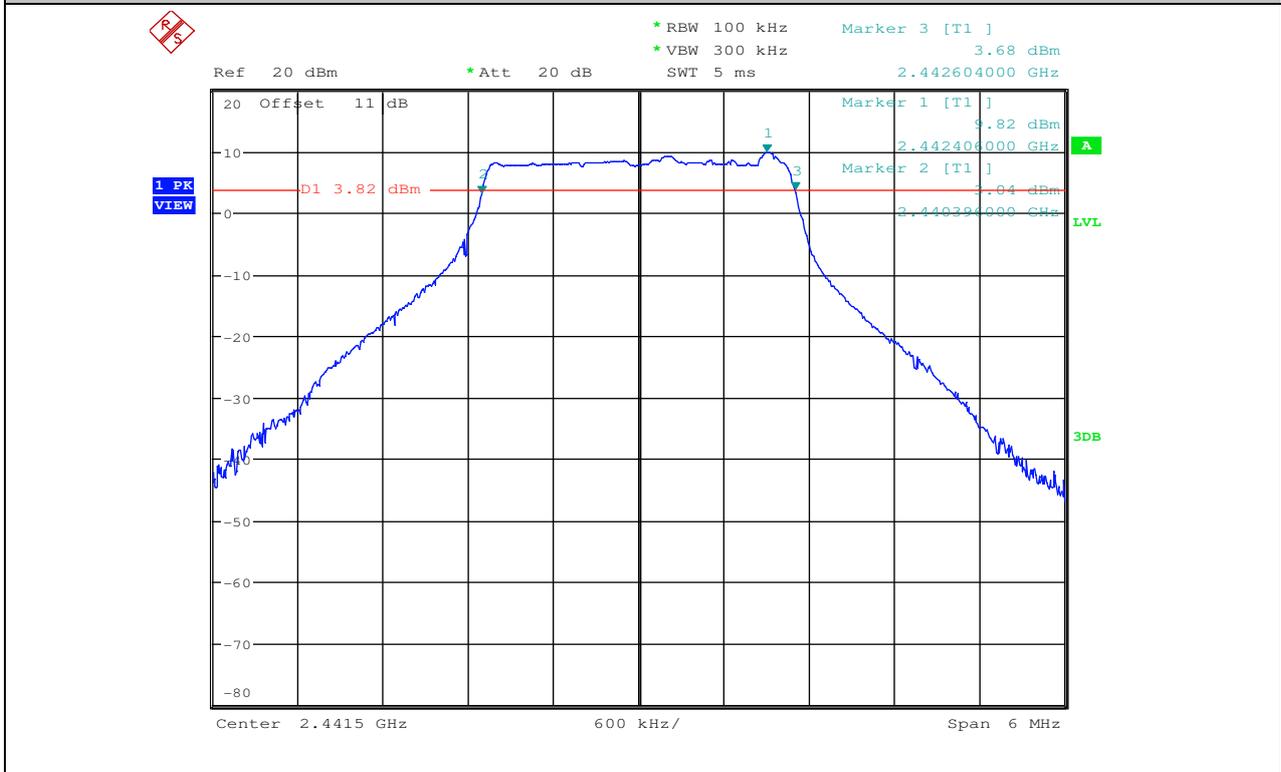
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6dB Bandwidth_3MHz BW_2417.5_Ant1



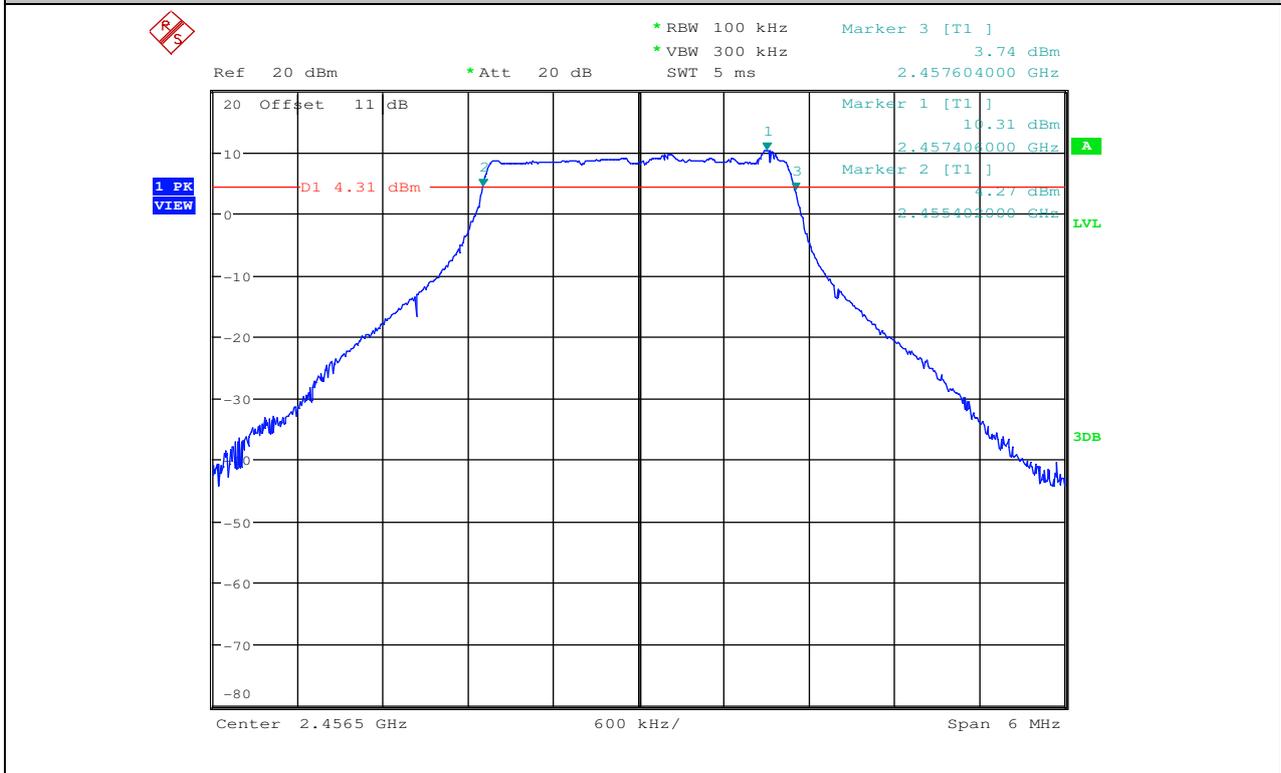
6dB Bandwidth_3MHz BW_2441.5_Ant1



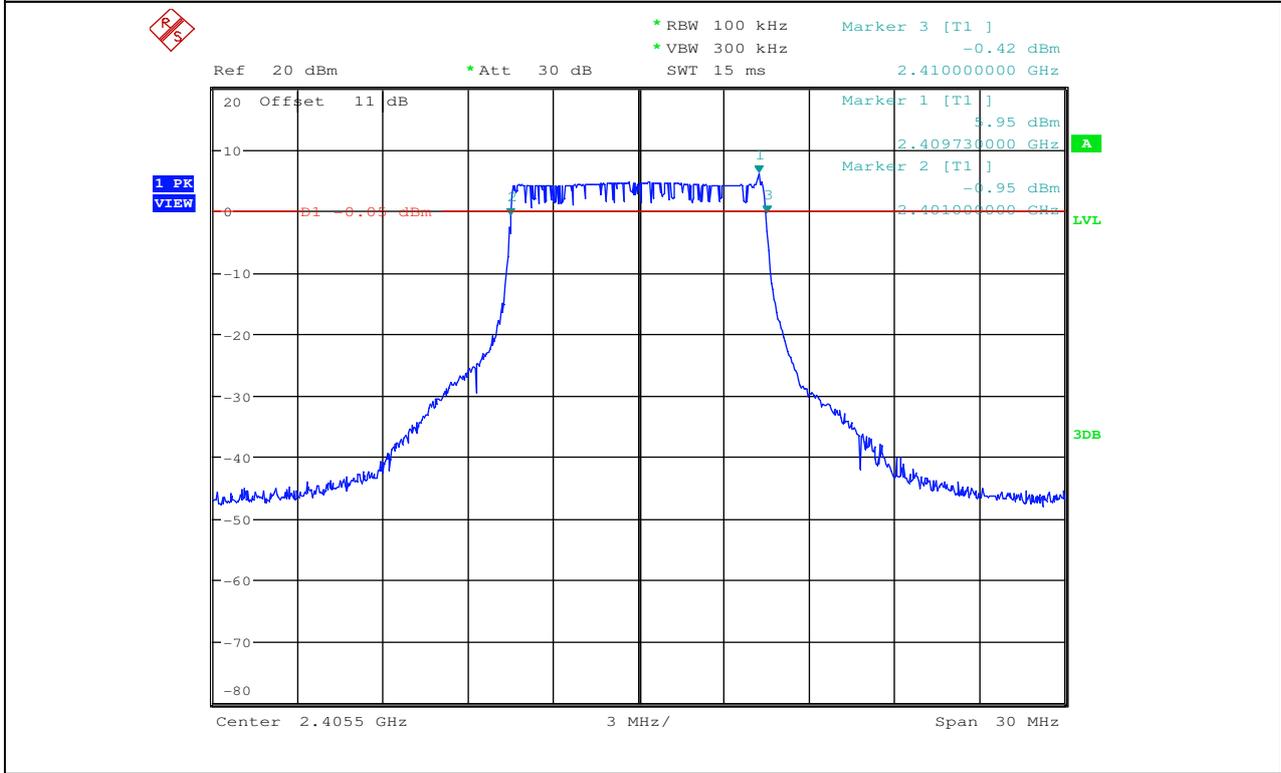
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6dB Bandwidth_3MHz BW_2456.5_Ant1



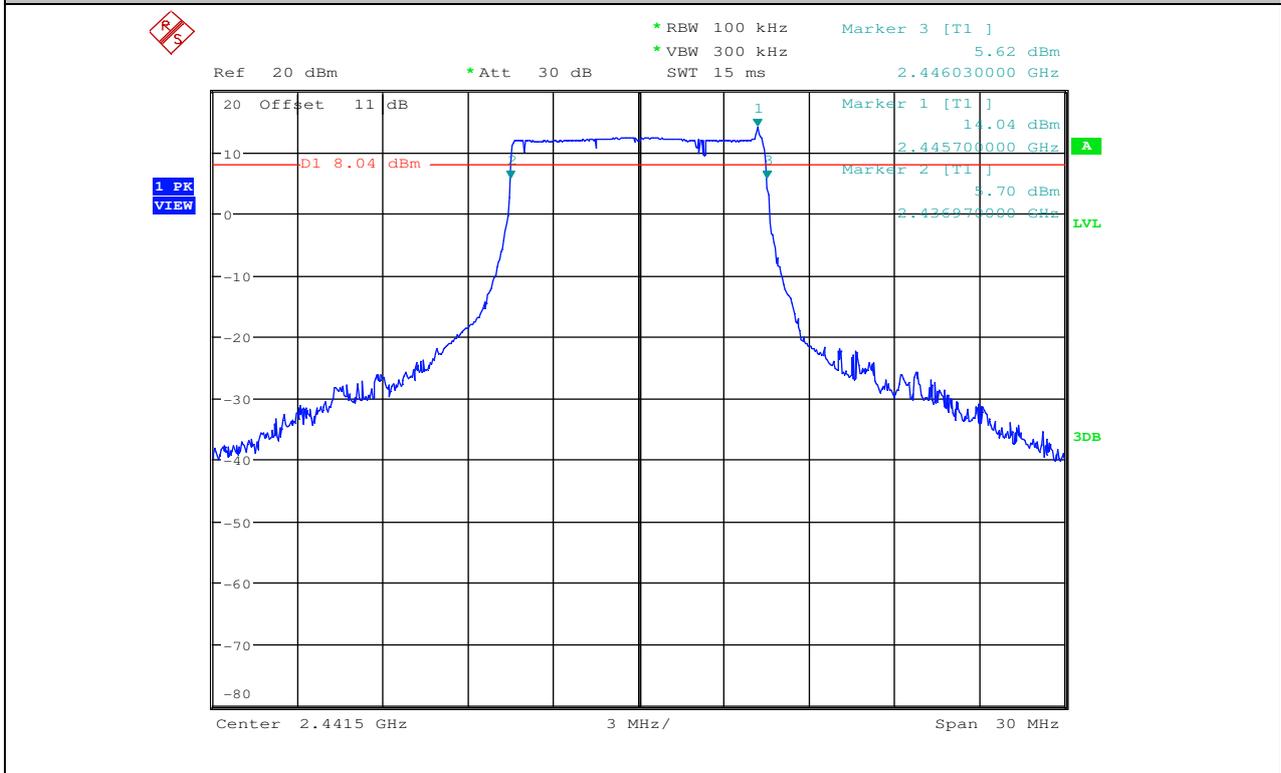
6dB Bandwidth_10MHz BW_2405.5_Ant1



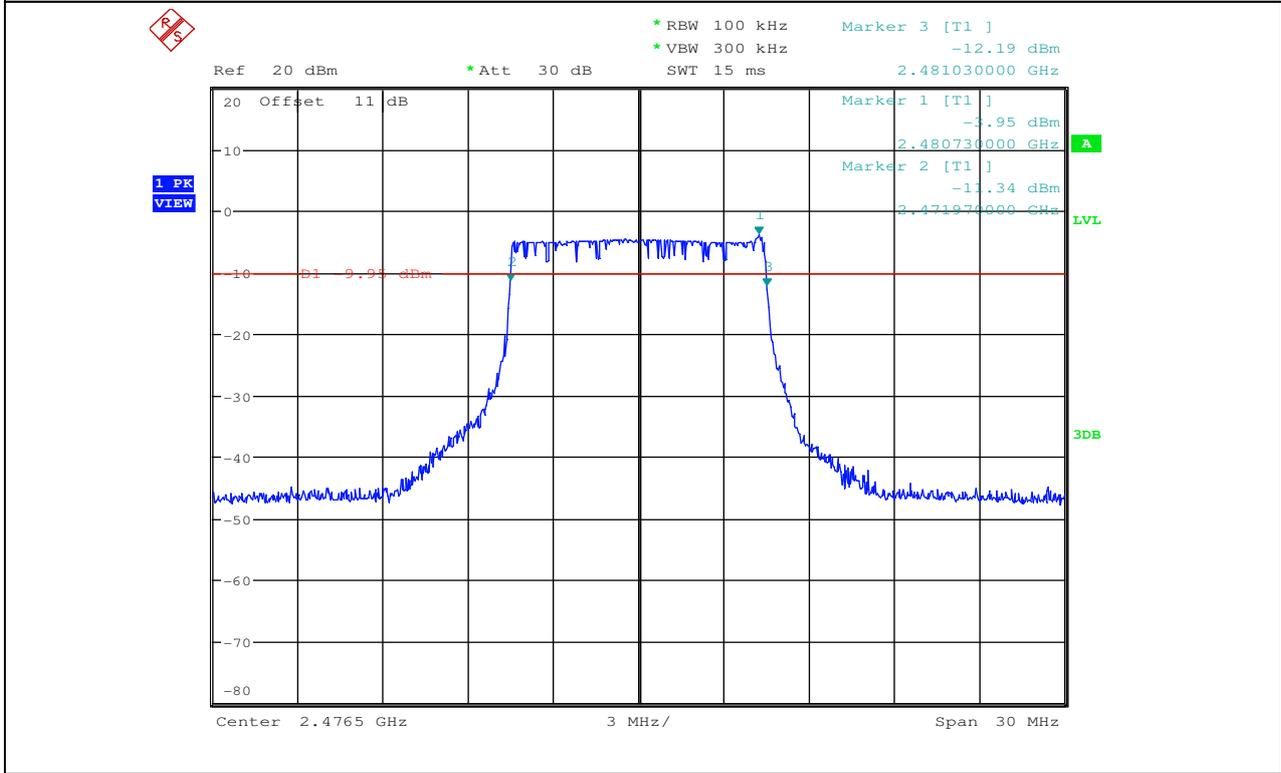
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6dB Bandwidth_10MHz BW_2441.5_Ant1



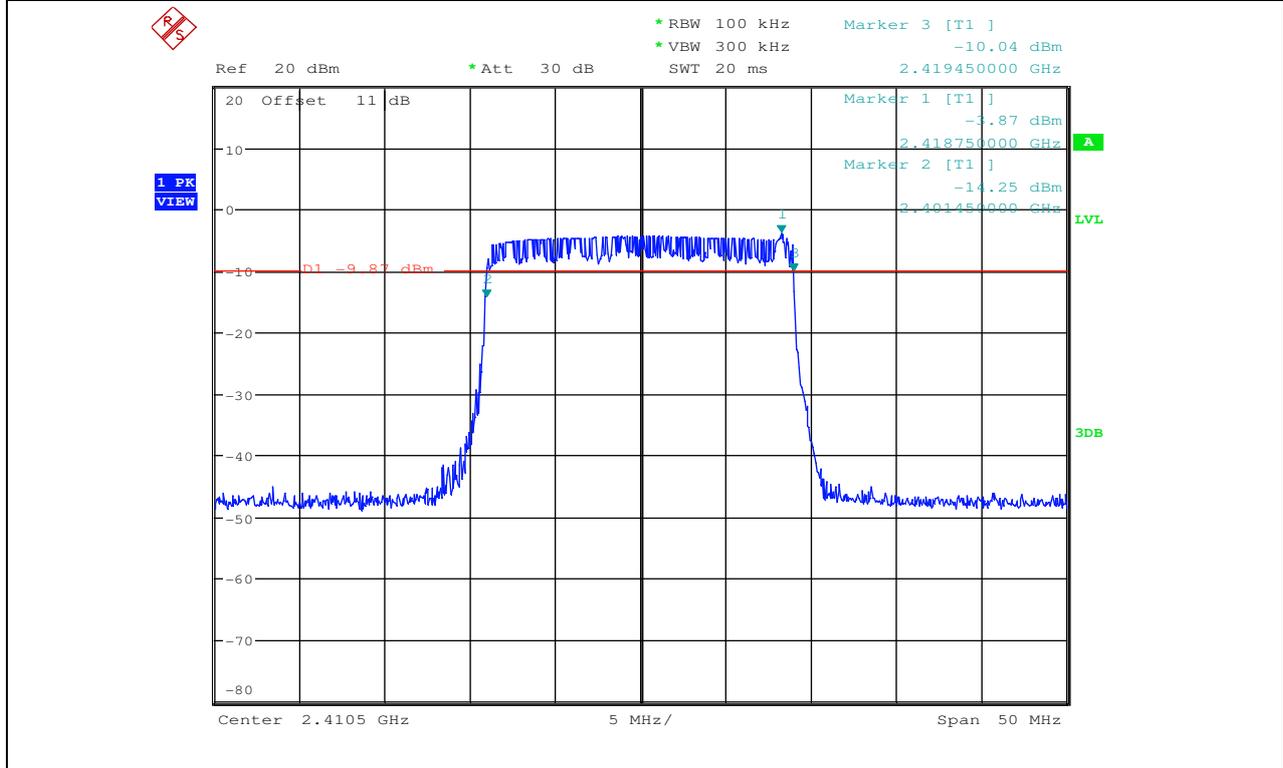
6dB Bandwidth_10MHz BW_2476.5_Ant1



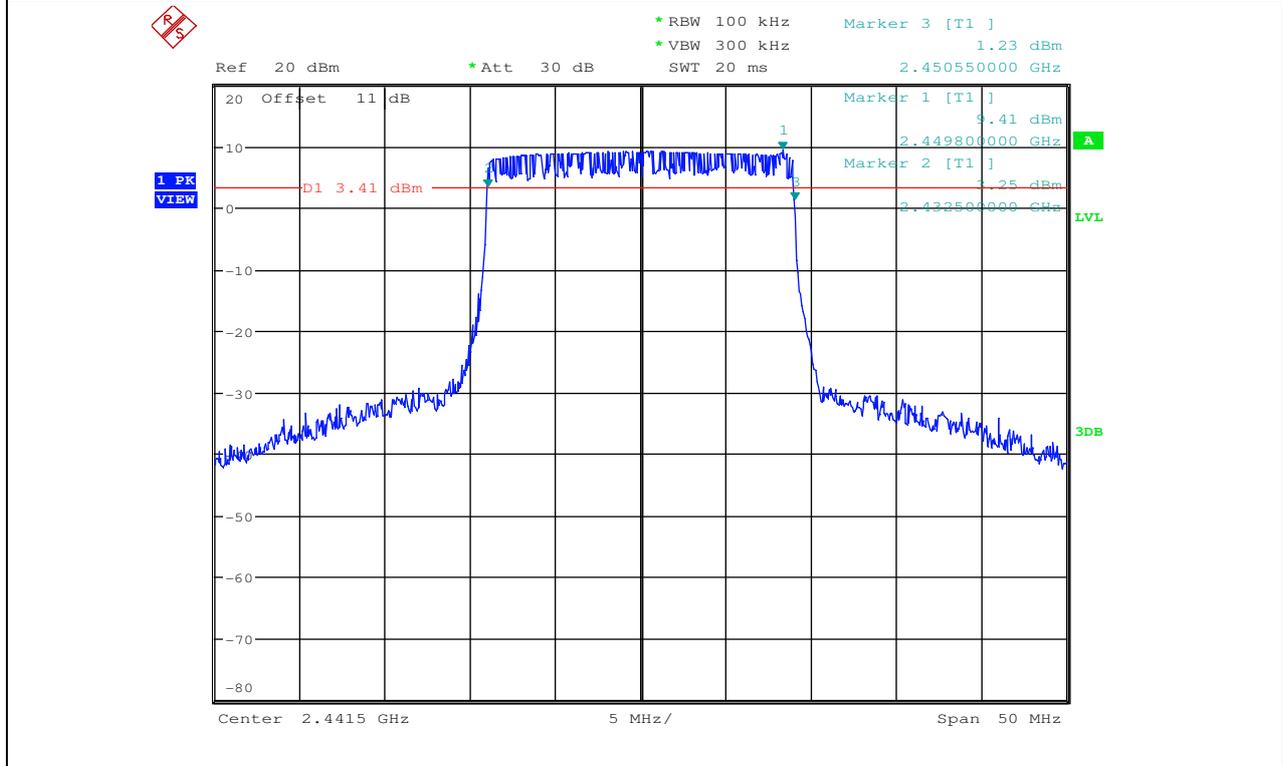
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6dB Bandwidth_20MHz BW_2410.5_Ant1

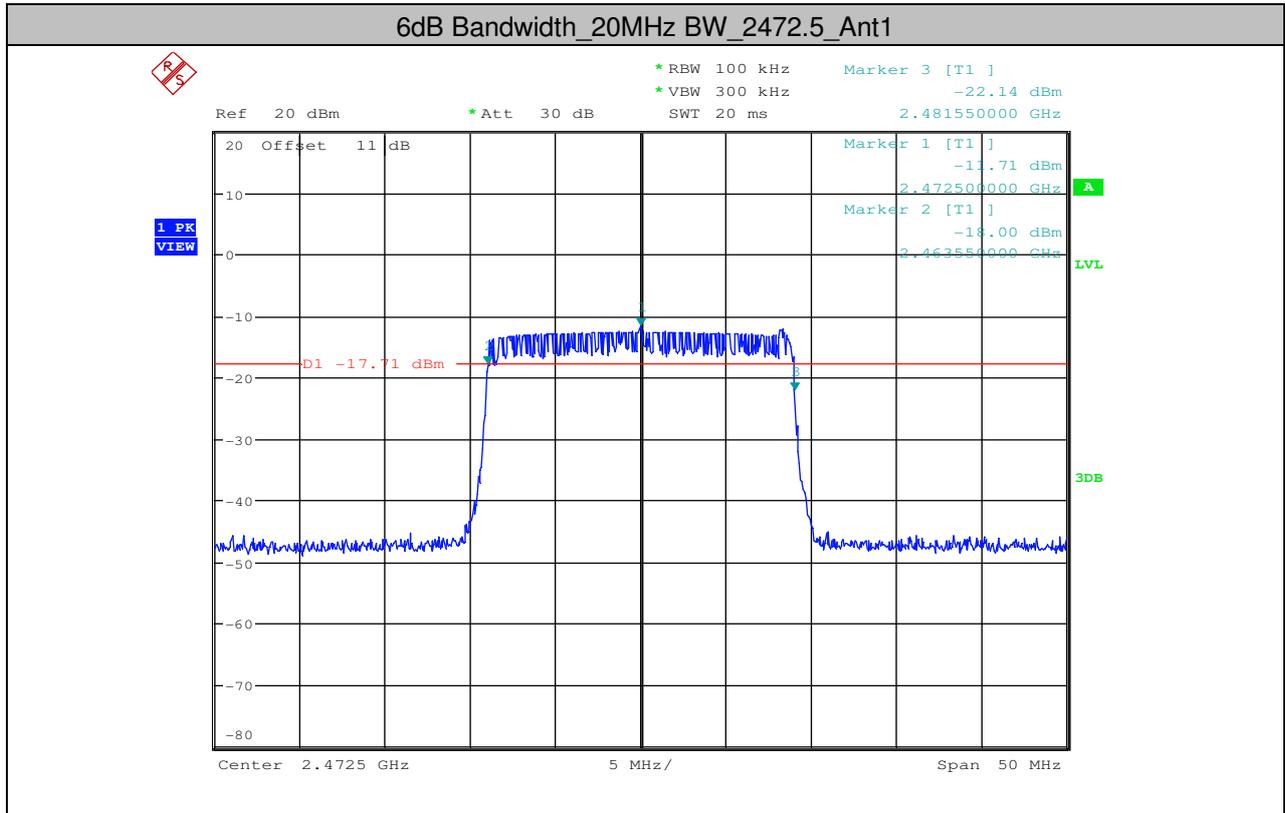


6dB Bandwidth_20MHz BW_2441.5_Ant1



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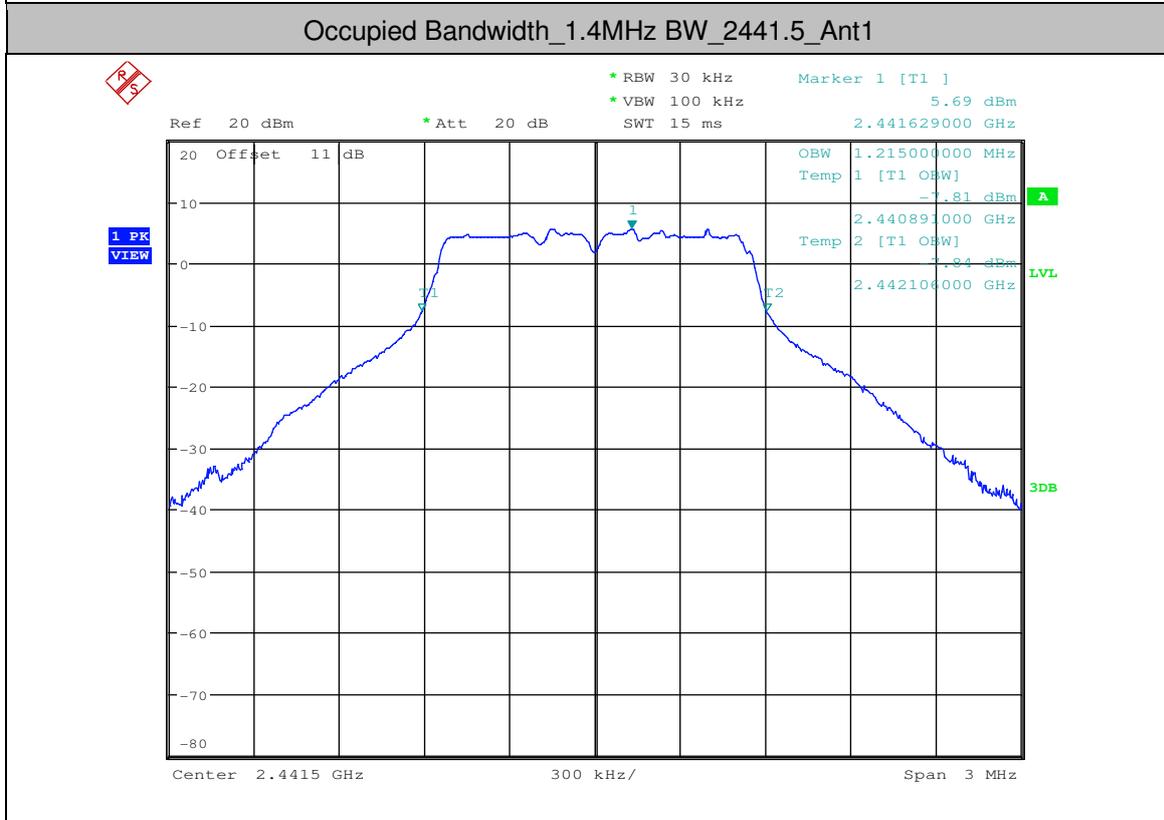
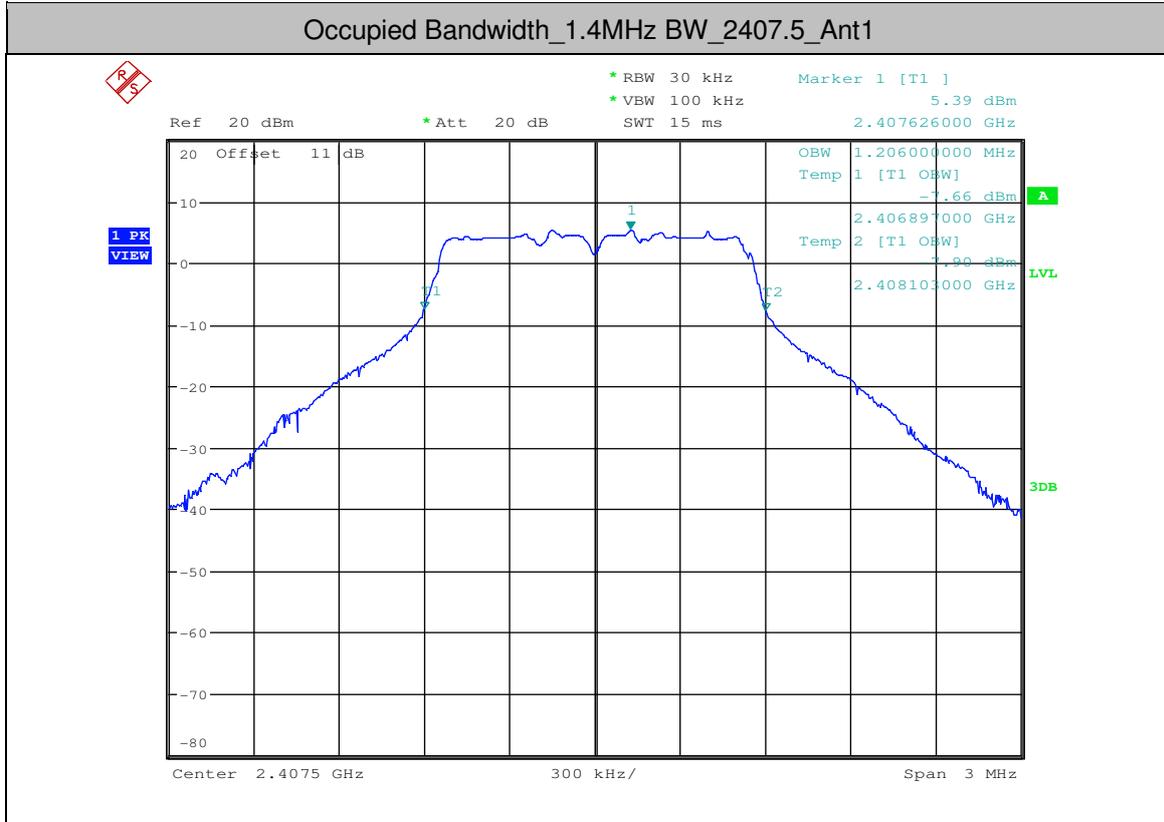
2.Occupied Bandwidth

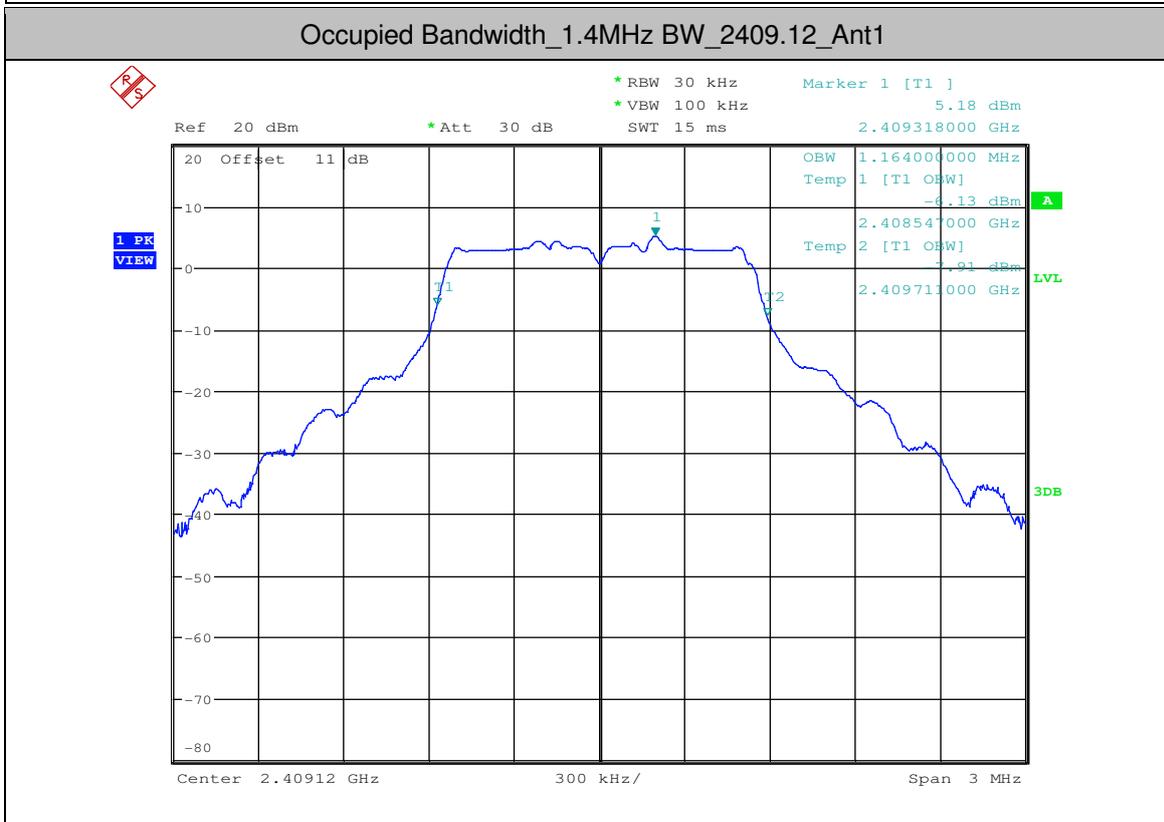
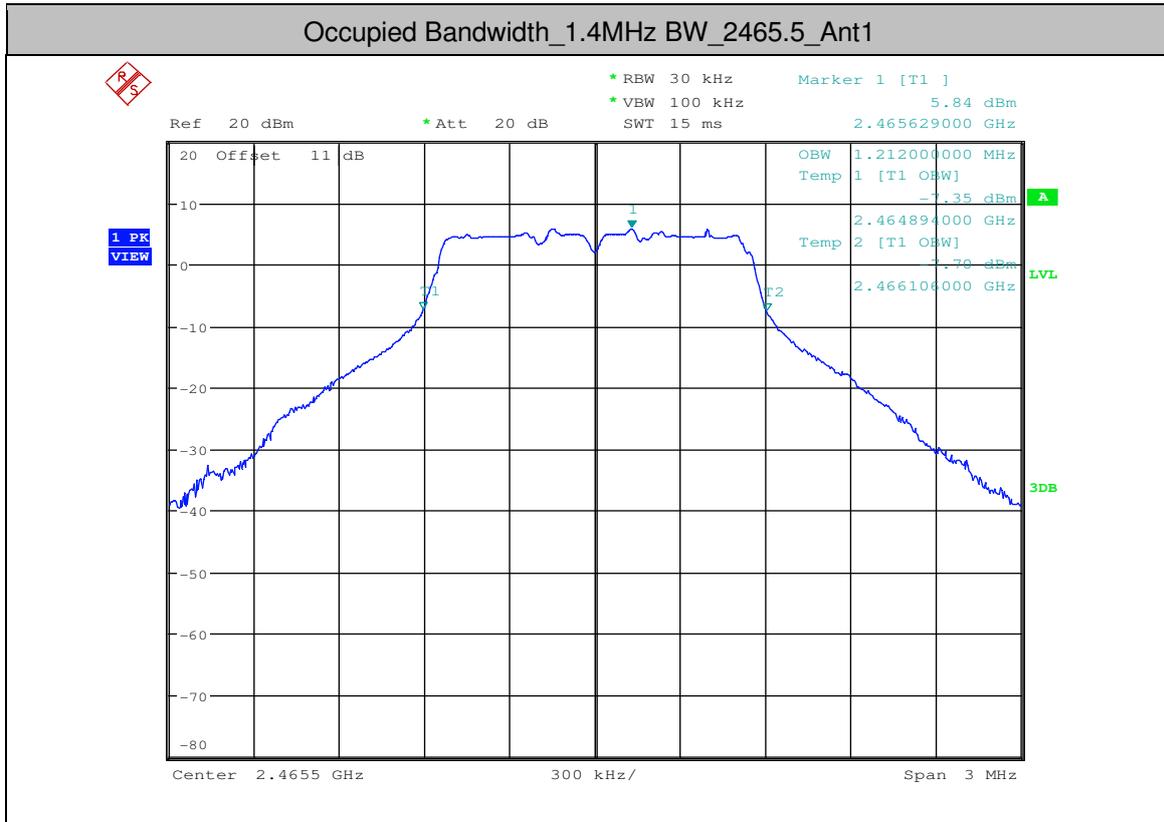
Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
1.4MHz BW	2407.5	Ant1	1.206	---	PASS
1.4MHz BW	2441.5	Ant1	1.215	---	PASS
1.4MHz BW	2465.5	Ant1	1.212	---	PASS
1.4MHz BW CA	2409.12	Ant1	1.164	---	PASS
1.4MHz BW CA	2443.12	Ant1	1.167	---	PASS
1.4MHz BW CA	2467.12	Ant1	1.167	---	PASS
3MHz BW	2417.5	Ant1	2.190	---	PASS
3MHz BW	2441.5	Ant1	2.190	---	PASS
3MHz BW	2456.5	Ant1	2.190	---	PASS
10MHz BW	2405.5	Ant1	8.940	---	PASS
10MHz BW	2441.5	Ant1	8.910	---	PASS
10MHz BW	2476.5	Ant1	8.940	---	PASS
20MHz BW	2410.5	Ant1	17.800	---	PASS
20MHz BW	2441.5	Ant1	17.800	---	PASS
20MHz BW	2472.5	Ant1	17.800	---	PASS



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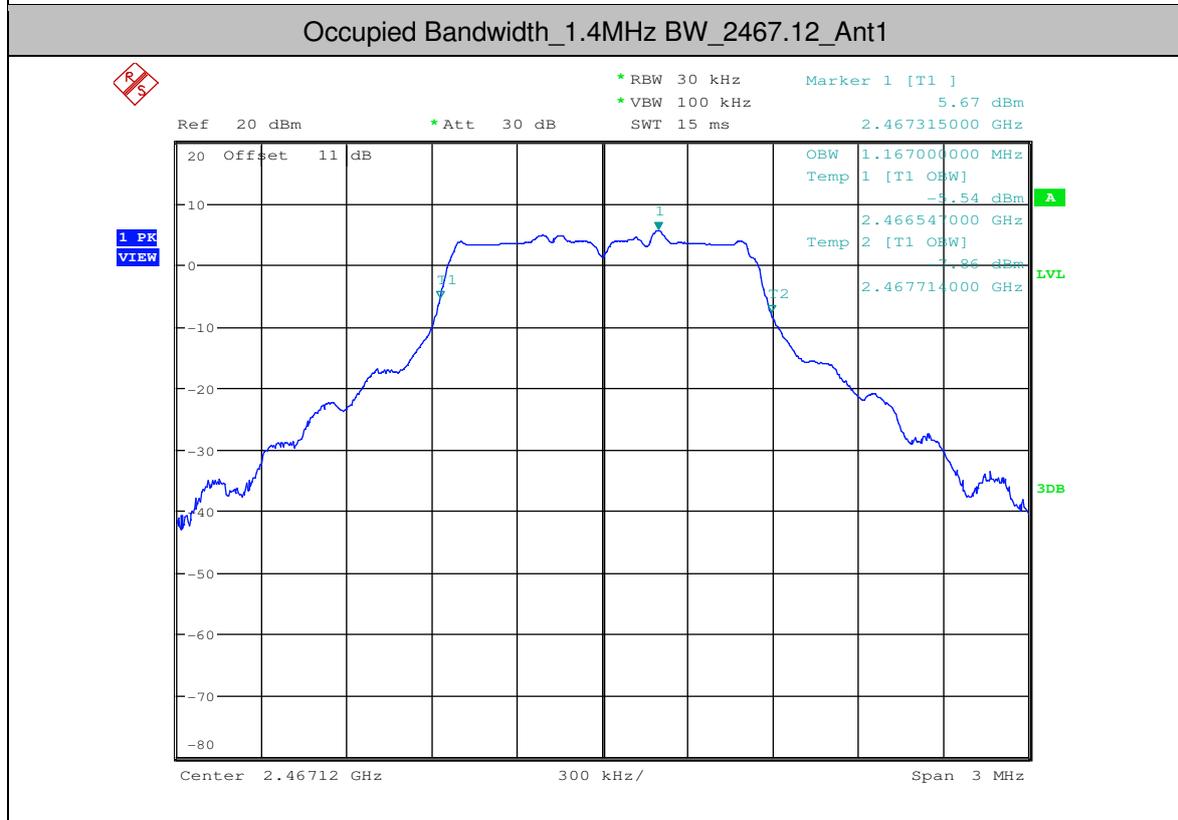
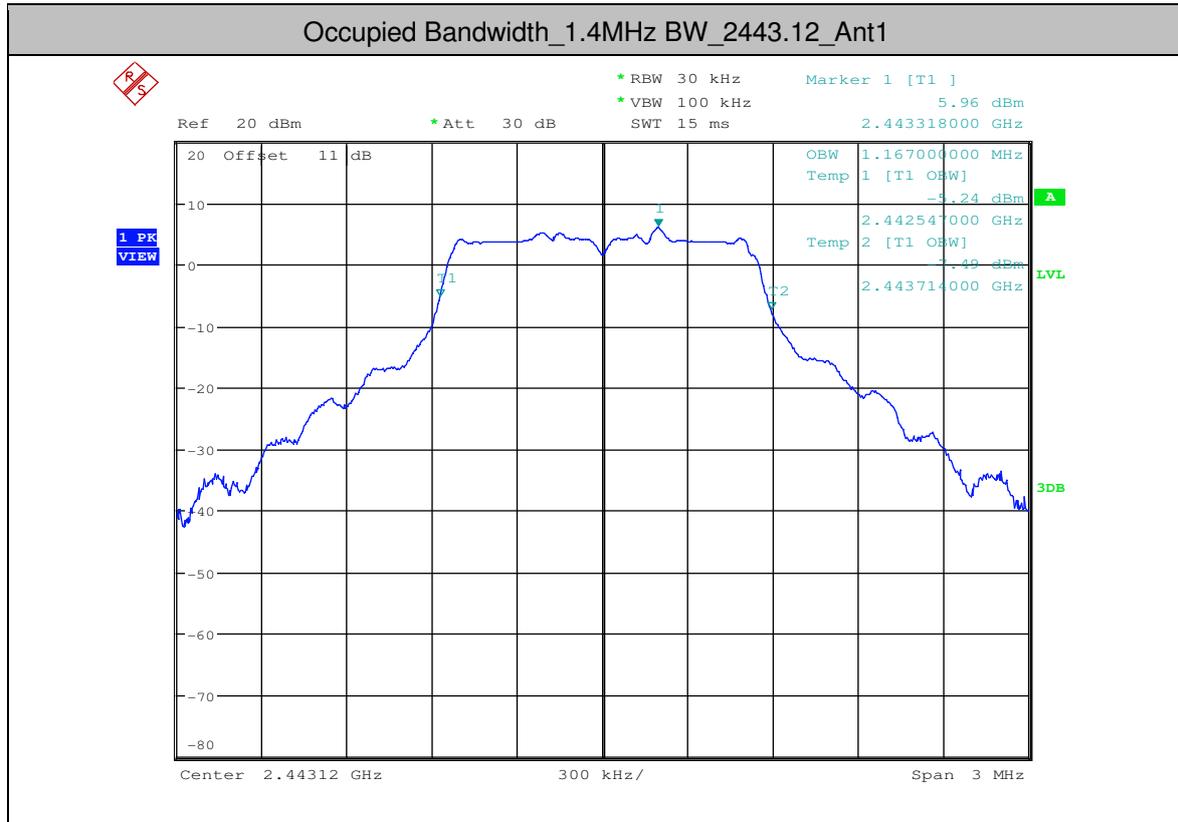
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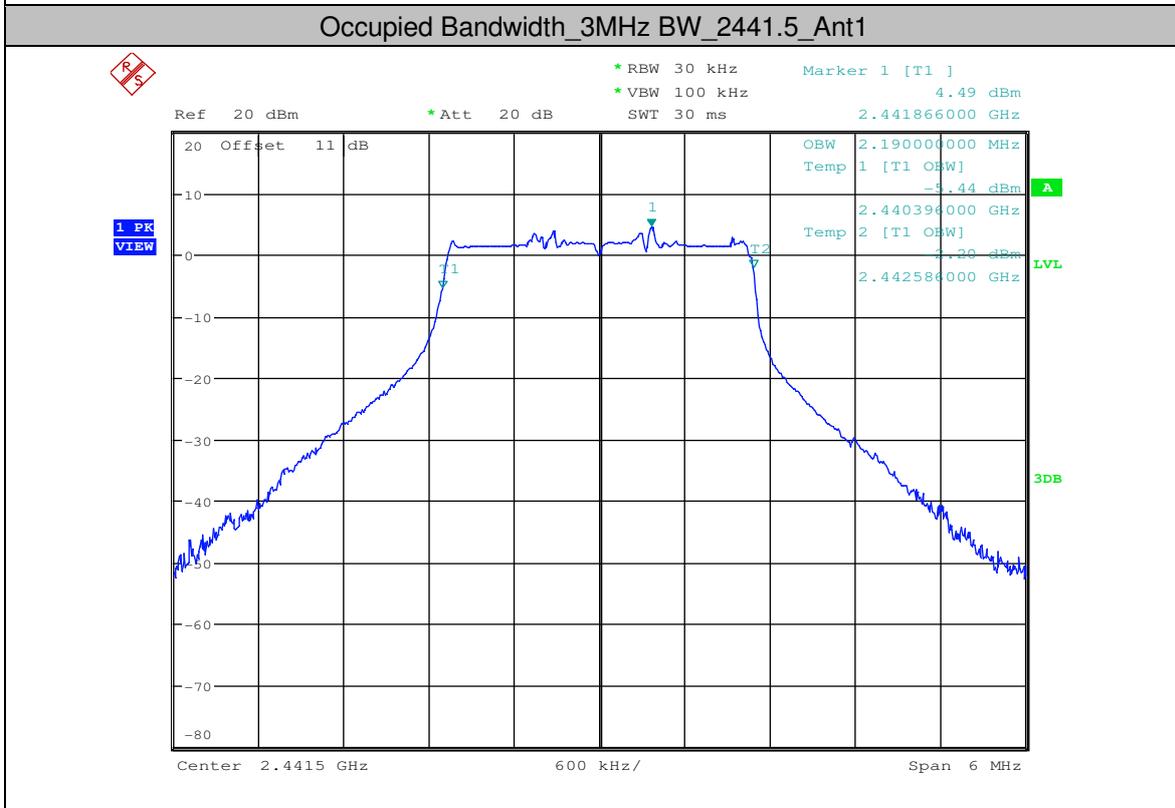
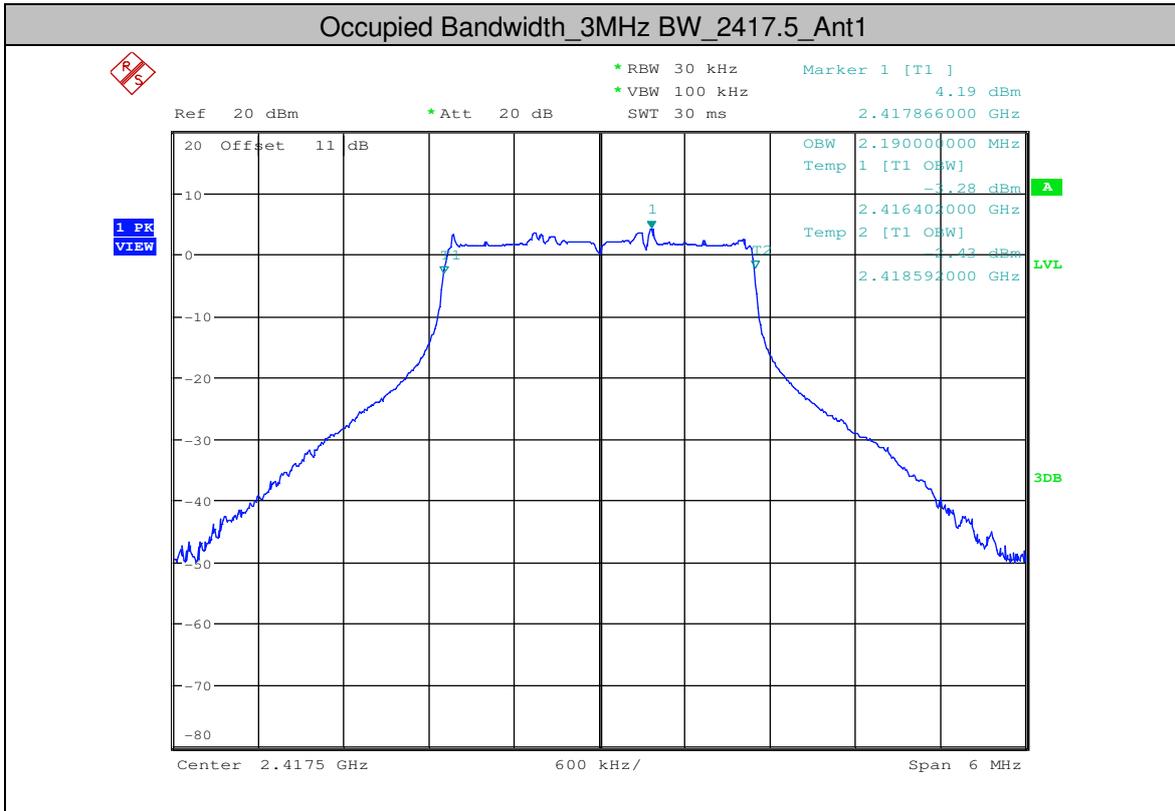
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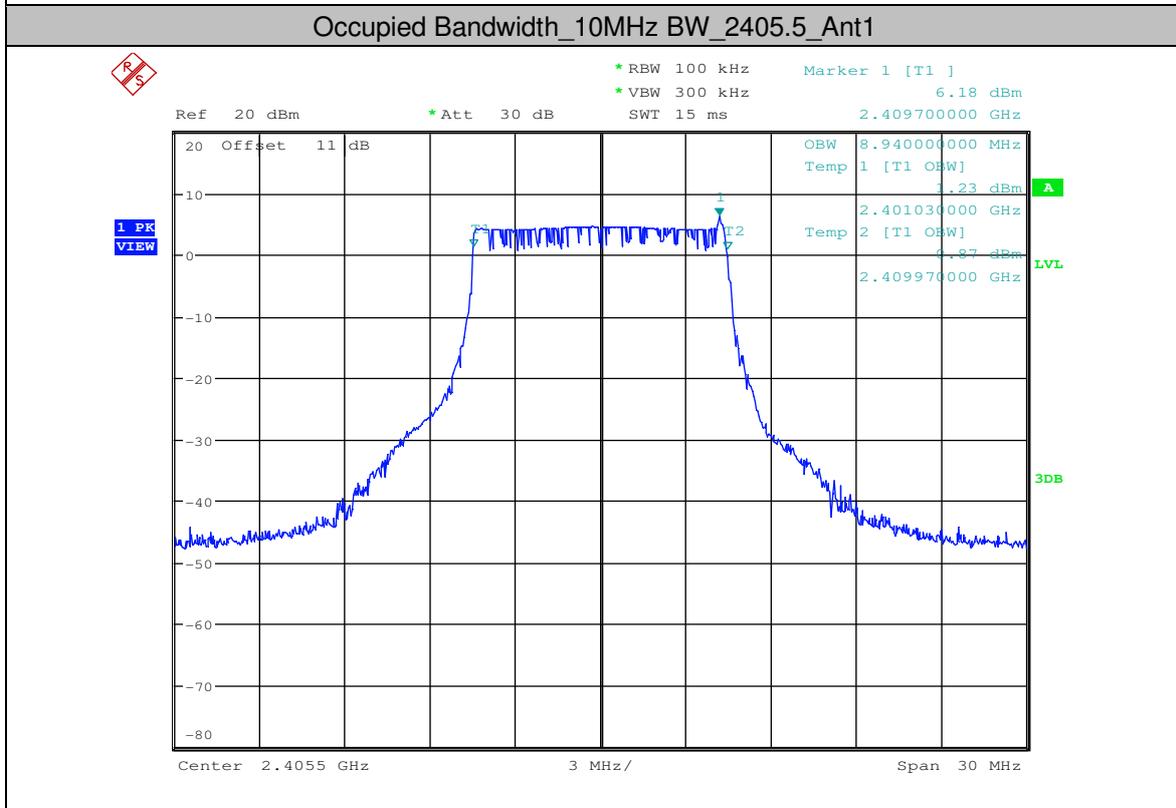
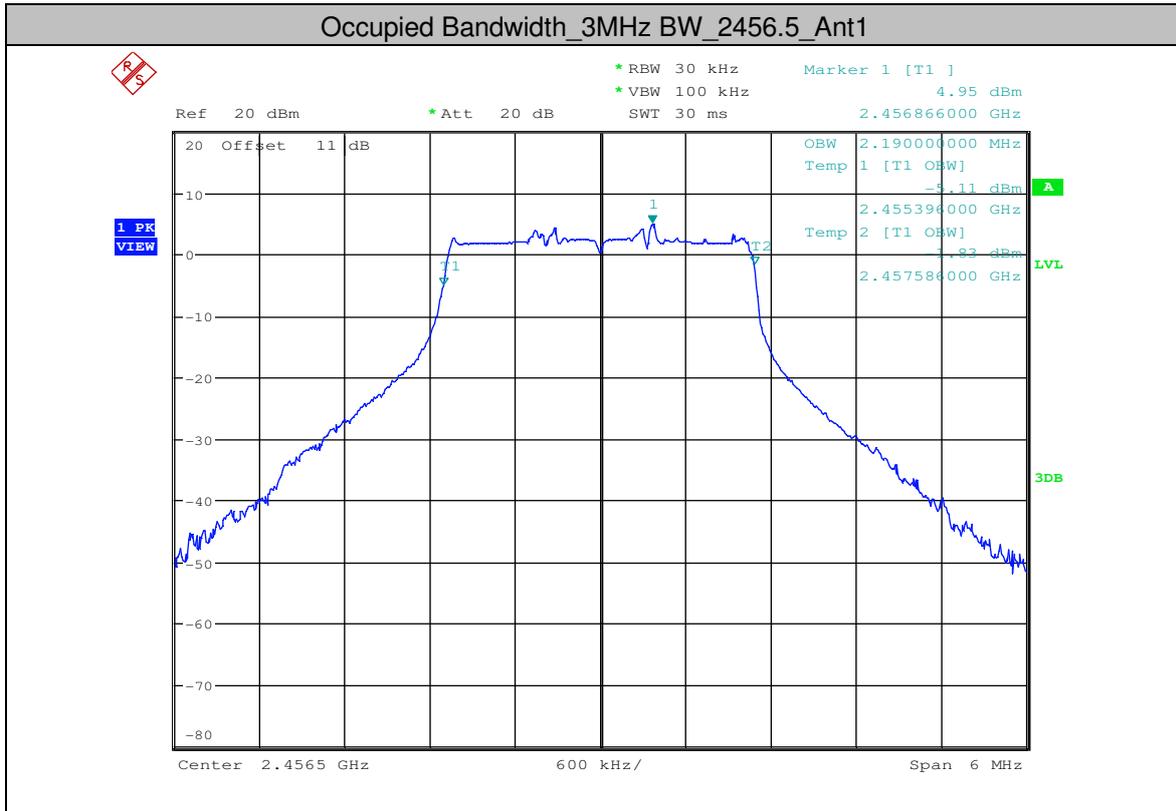
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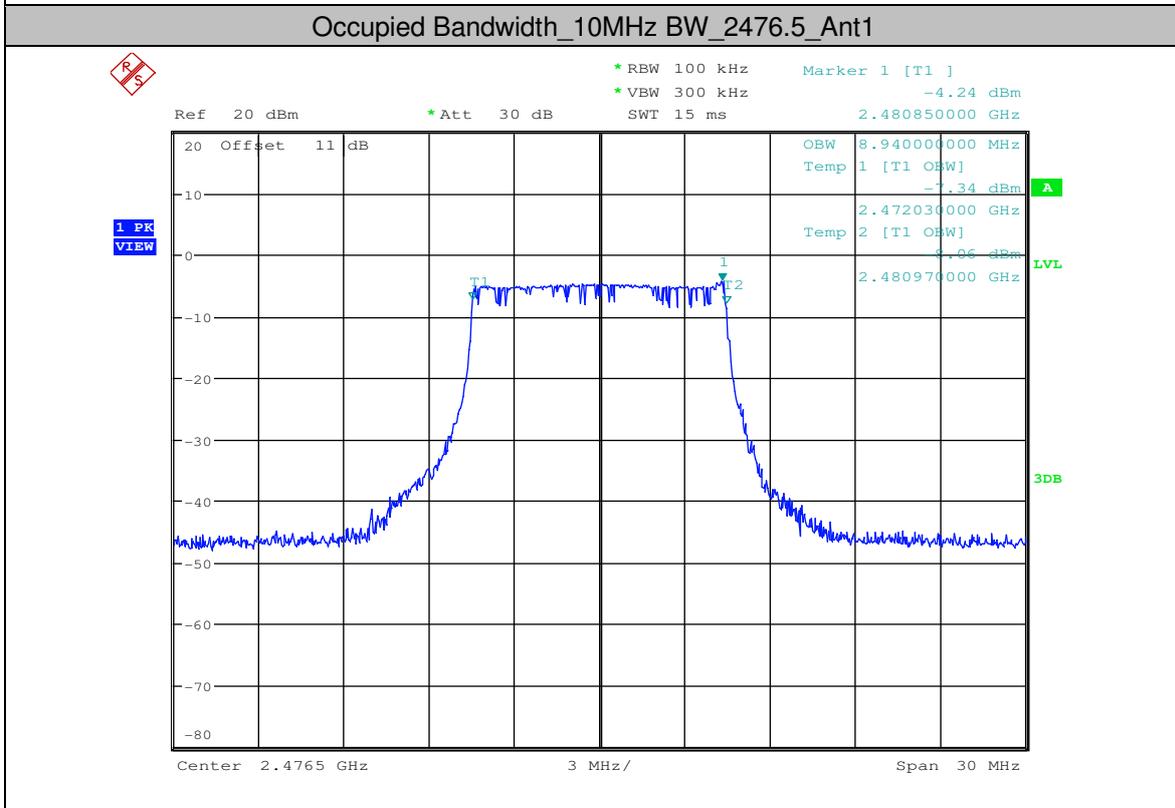
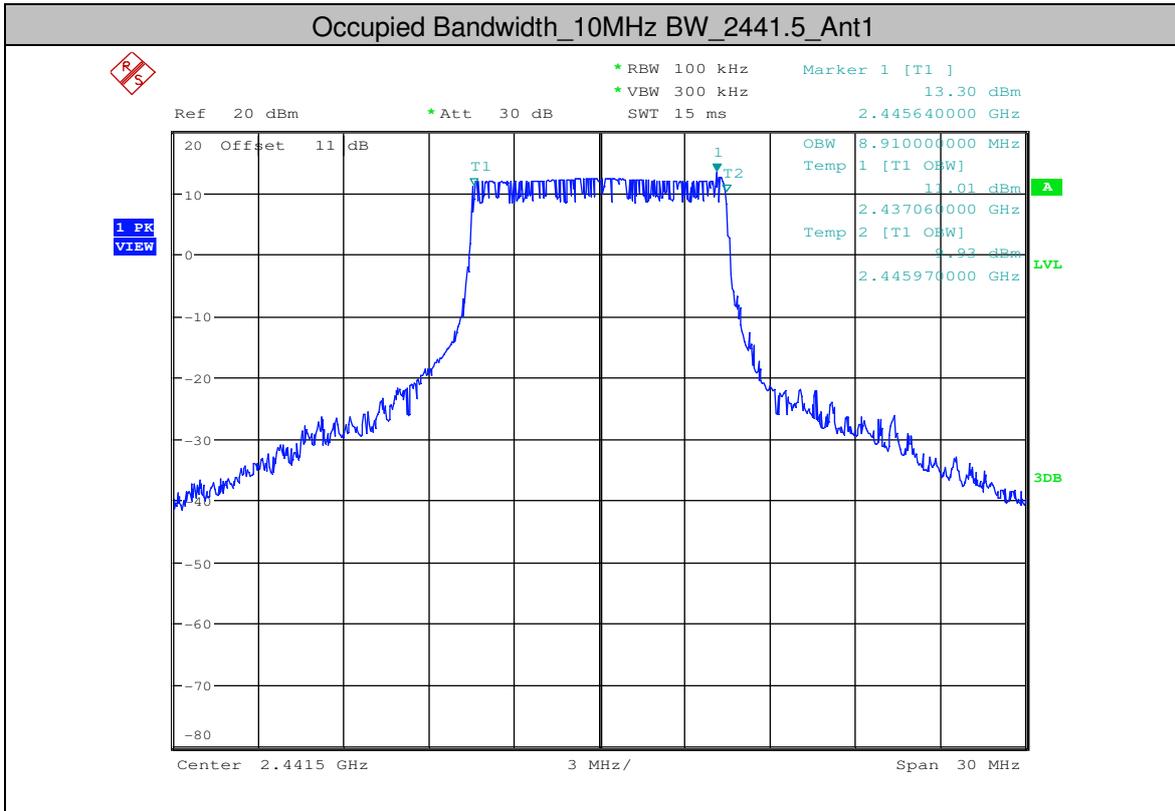
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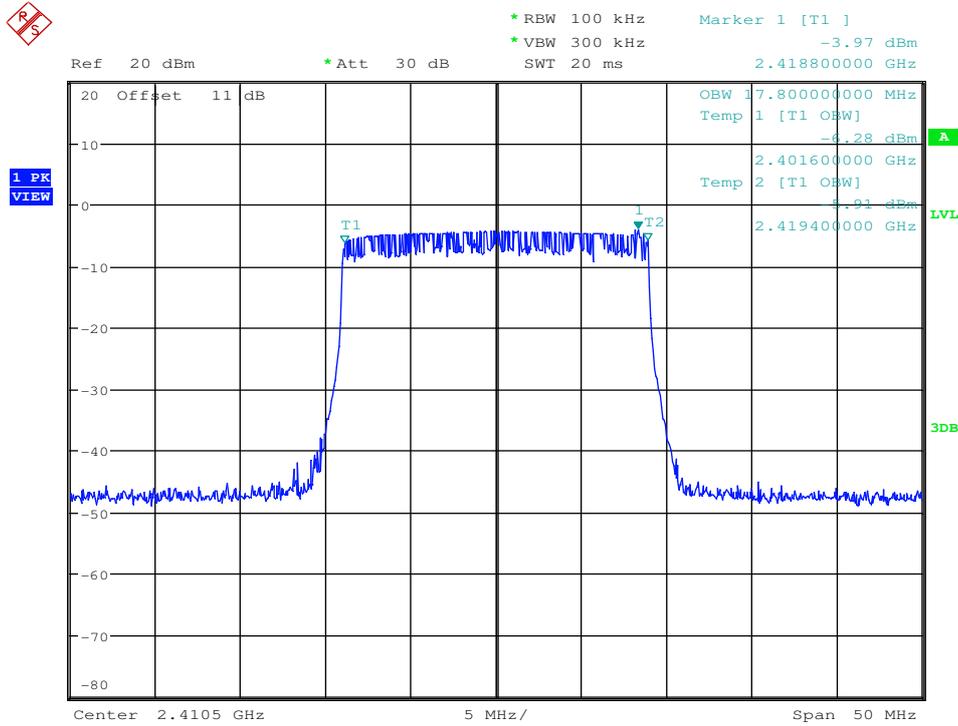
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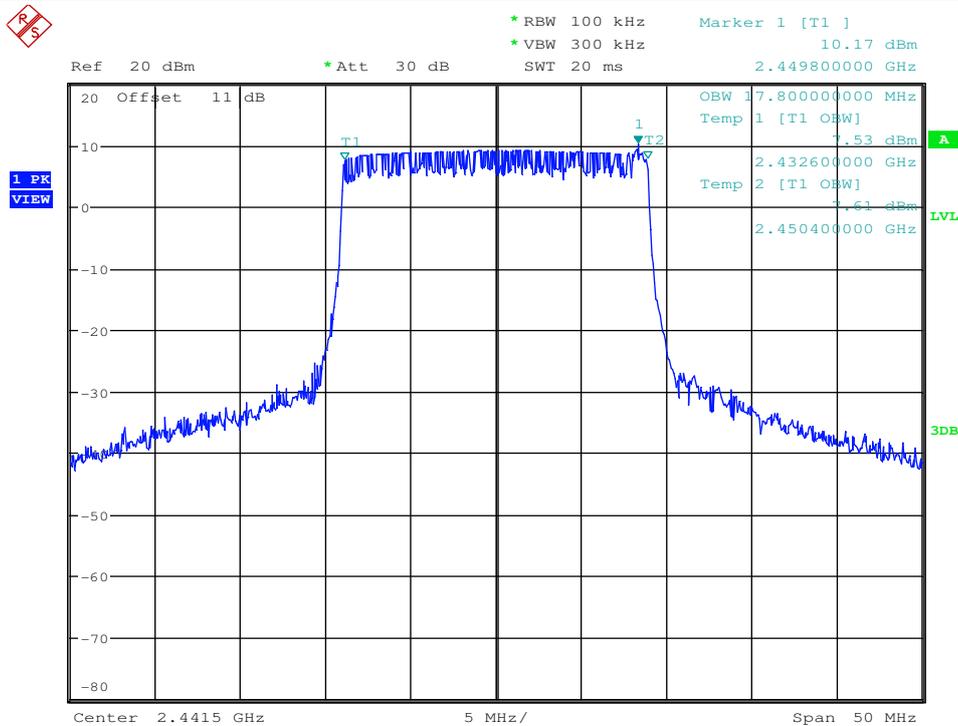
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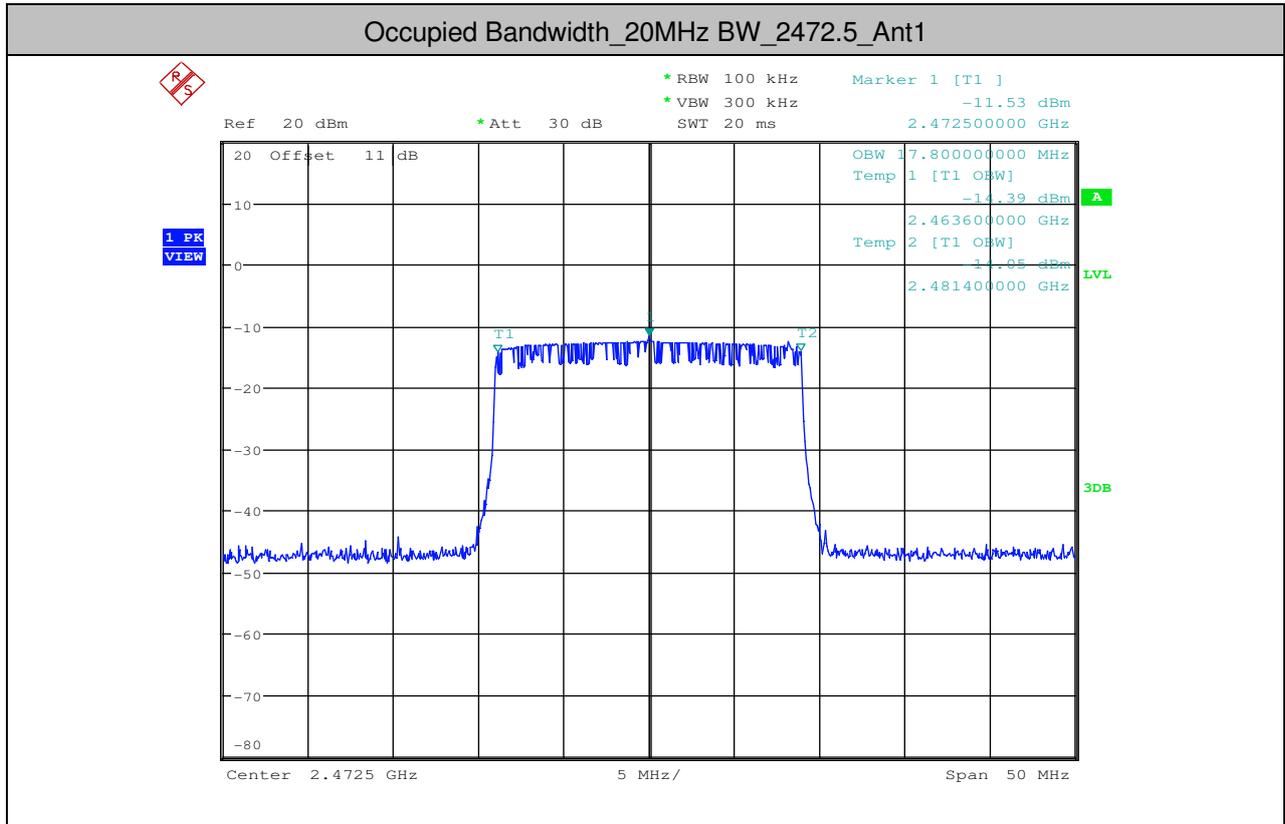
Occupied Bandwidth_20MHz BW_2410.5_Ant1



Occupied Bandwidth_20MHz BW_2441.5_Ant1



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3.Maximum average conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
1.4MHz BW	2407.5	Ant1	16.22	<30	PASS
1.4MHz BW	2441.5	Ant1	16.59	<30	PASS
1.4MHz BW	2465.5	Ant1	16.57	<30	PASS
1.4MHz BW CA	2409.12	Ant1	15.22	<30	PASS
1.4MHz BW CA	2443.12	Ant1	16.27	<30	PASS
1.4MHz BW CA	2467.12	Ant1	15.98	<30	PASS
3MHz BW	2107.5	Ant1	16.85	<30	PASS
3MHz BW	2441.5	Ant1	17.01	<30	PASS
3MHz BW	2456.5	Ant1	16.95	<30	PASS
10MHz BW	2405.5	Ant1	11.14	<30	PASS
10MHz BW	2408.5	Ant1	14.25	<30	PASS
10MHz BW	2413.5	Ant1	17.41	<30	PASS
10MHz BW	2417.5	Ant1	19.08	<30	PASS
10MHz BW	2441.5	Ant1	19.77	<30	PASS
10MHz BW	2455.5	Ant1	19.65	<30	PASS
10MHz BW	2461.5	Ant1	16.34	<30	PASS
10MHz BW	2465.5	Ant1	14.83	<30	PASS
10MHz BW	2468.5	Ant1	12.95	<30	PASS
10MHz BW	2470.5	Ant1	9.10	<30	PASS
10MHz BW	2472.5	Ant1	5.10	<30	PASS
10MHz BW	2476.5	Ant1	2.20	<30	PASS
20MHz BW	2410.5	Ant1	5.58	<30	PASS
20MHz BW	2413.5	Ant1	8.42	<30	PASS
20MHz BW	2417.5	Ant1	11.63	<30	PASS
20MHz BW	2423.5	Ant1	14.72	<30	PASS
20MHz BW	2430.5	Ant1	17.70	<30	PASS
20MHz BW	2434.5	Ant1	19.53	<30	PASS
20MHz BW	2441.5	Ant1	19.63	<30	PASS
20MHz BW	2443.5	Ant1	18.85	<30	PASS



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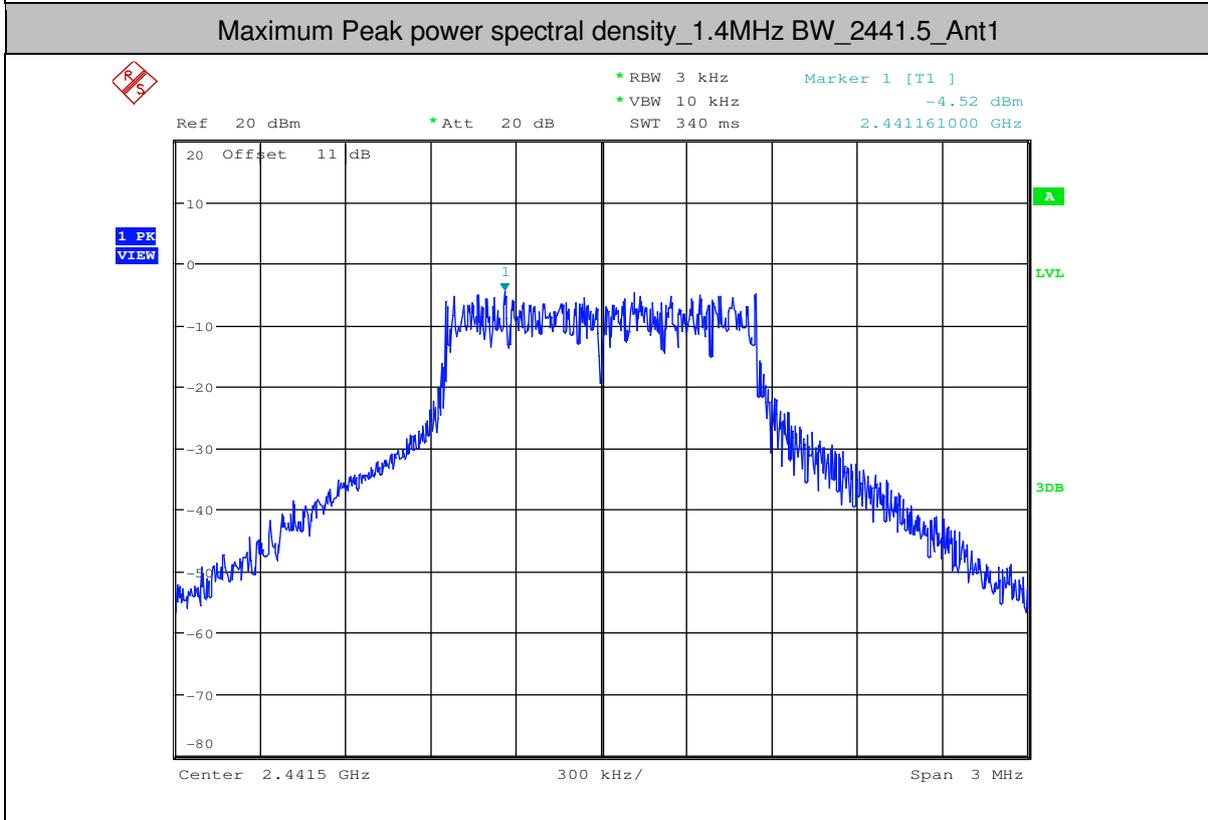
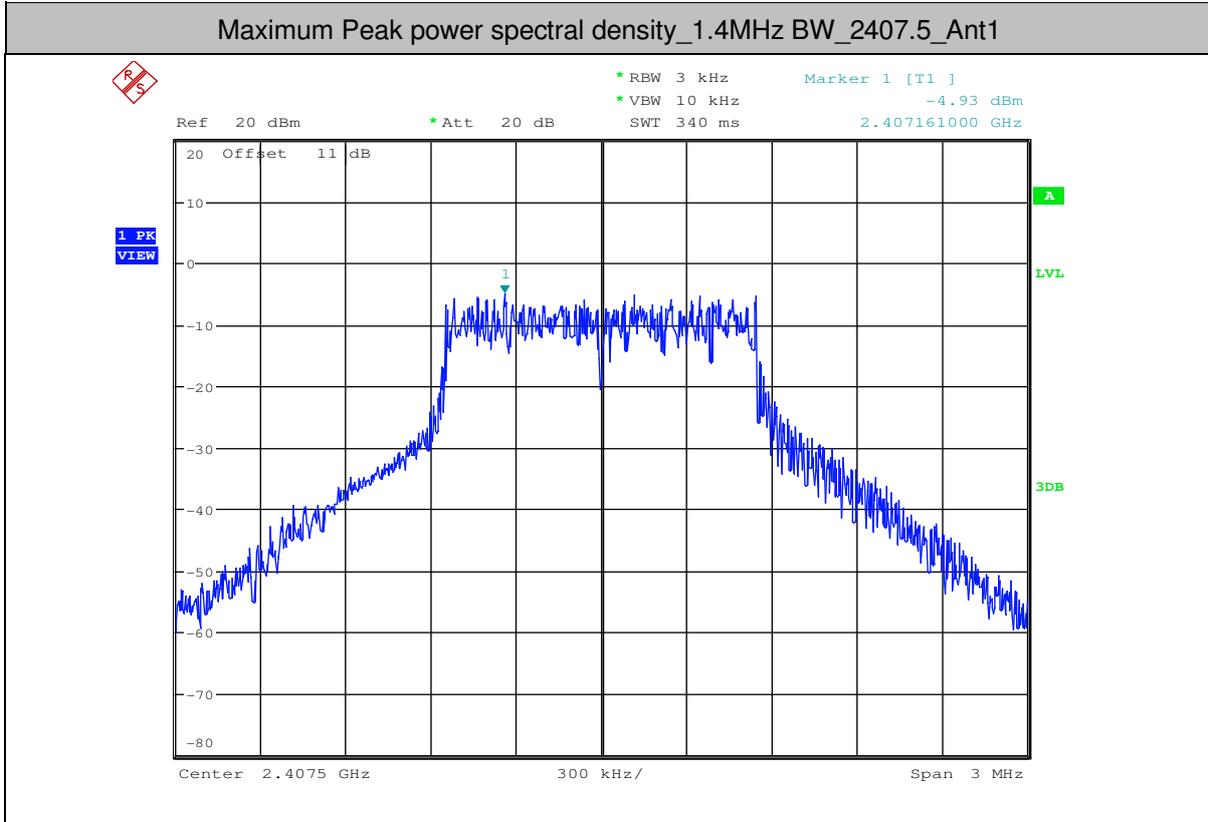
20MHz BW	2449.5	Ant1	16.01	<30	PASS
20MHz BW	2456.5	Ant1	13.69	<30	PASS
20MHz BW	2462.5	Ant1	10.02	<30	PASS
20MHz BW	2467.5	Ant1	7.21	<30	PASS
20MHz BW	2471.5	Ant1	3.93	<30	PASS
20MHz BW	2472.5	Ant1	-1.32	<30	PASS

4. Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
1.4MHz BW	2407.5	Ant1	-4.93	<8.00	PASS
1.4MHz BW	2441.5	Ant1	-4.52	<8.00	PASS
1.4MHz BW	2465.5	Ant1	-4.43	<8.00	PASS
1.4MHz BW CA	2409.12	Ant1	-5.55	<8.00	PASS
1.4MHz BW CA	2443.12	Ant1	-4.79	<8.00	PASS
1.4MHz BW CA	2467.12	Ant1	-5.08	<8.00	PASS
3MHz BW	2417.5	Ant1	-7.37	<8.00	PASS
3MHz BW	2441.5	Ant1	-7.12	<8.00	PASS
3MHz BW	2456.5	Ant1	-6.68	<8.00	PASS
10MHz BW	2405.5	Ant1	-13.47	<8.00	PASS
10MHz BW	2441.5	Ant1	-5.97	<8.00	PASS
10MHz BW	2476.5	Ant1	-21.51	<8.00	PASS
20MHz BW	2410.5	Ant1	-20.78	<8.00	PASS
20MHz BW	2441.5	Ant1	-8.52	<8.00	PASS
20MHz BW	2472.5	Ant1	-21.71	<8.00	PASS

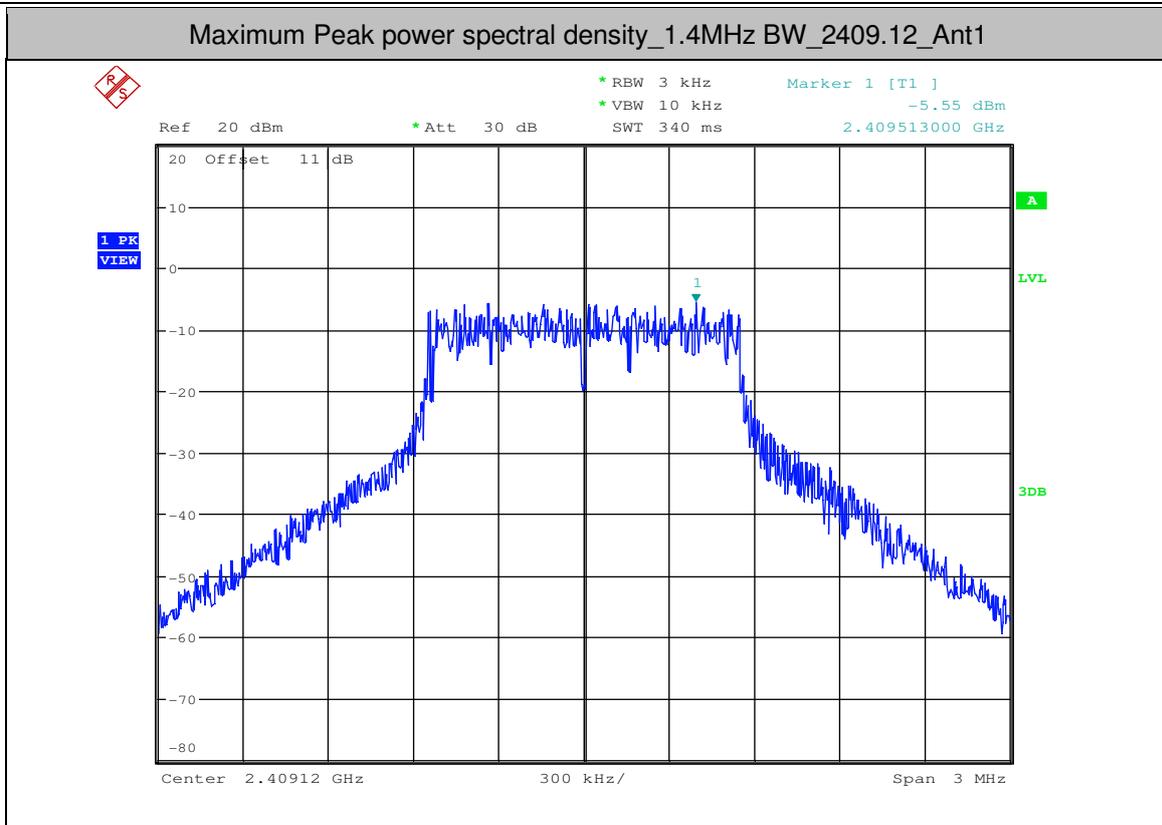
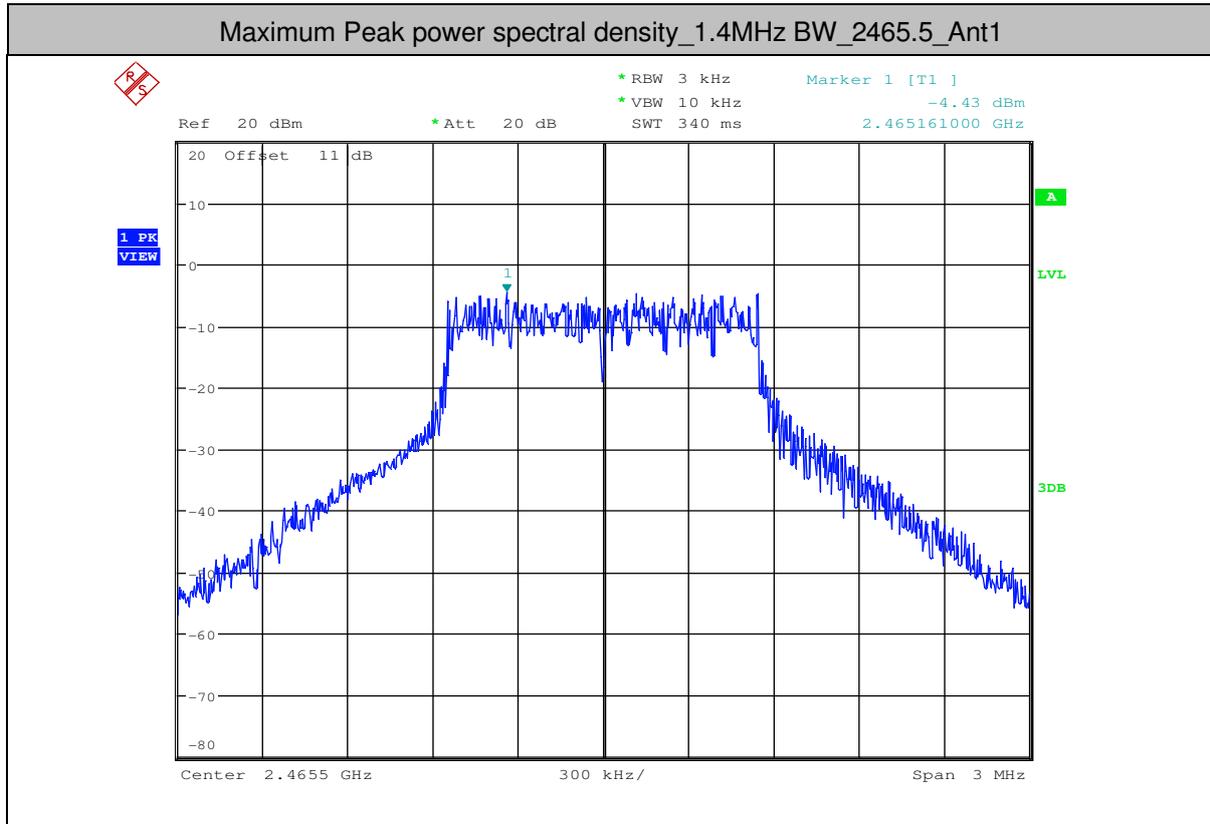


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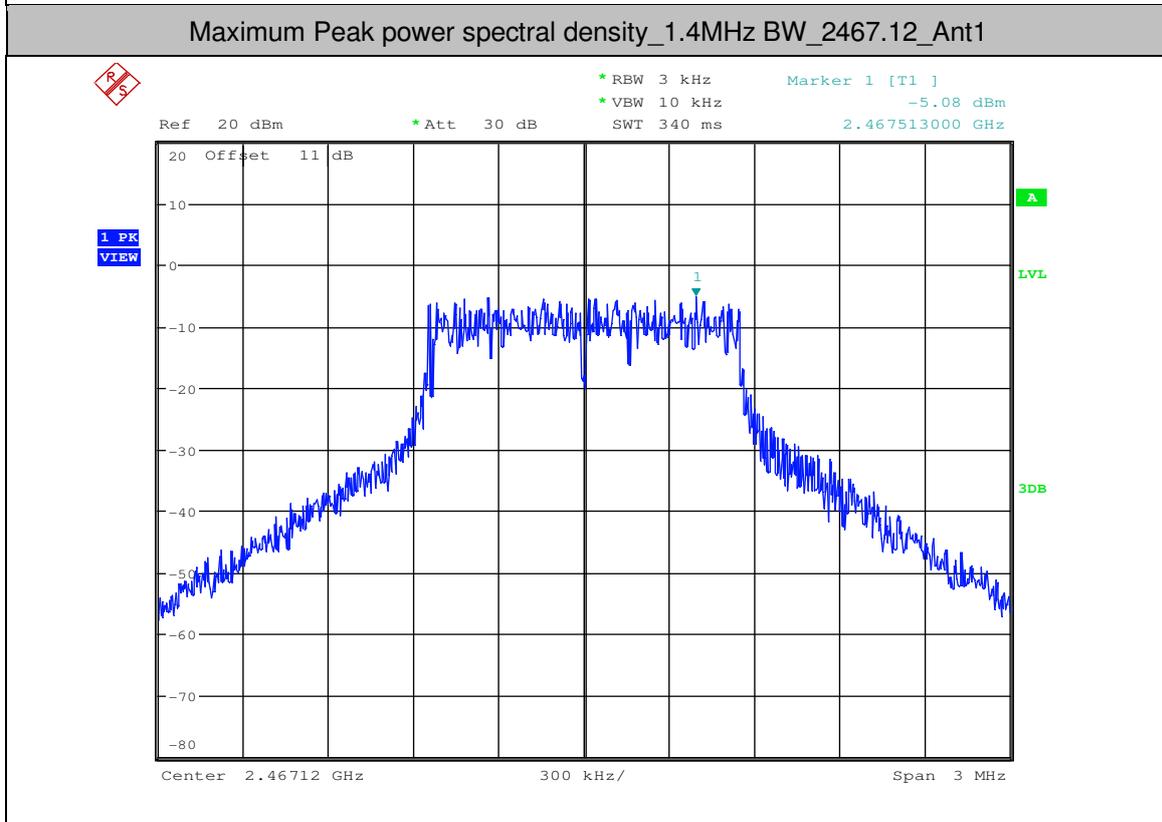
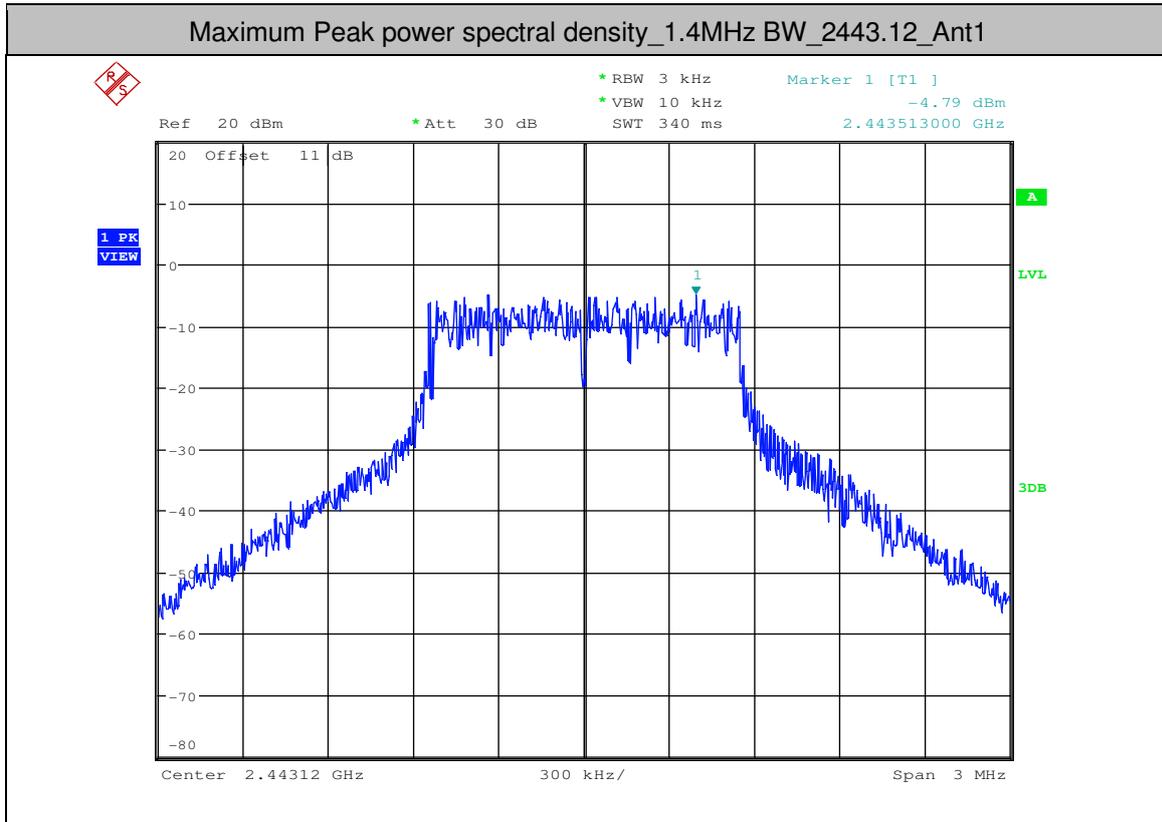
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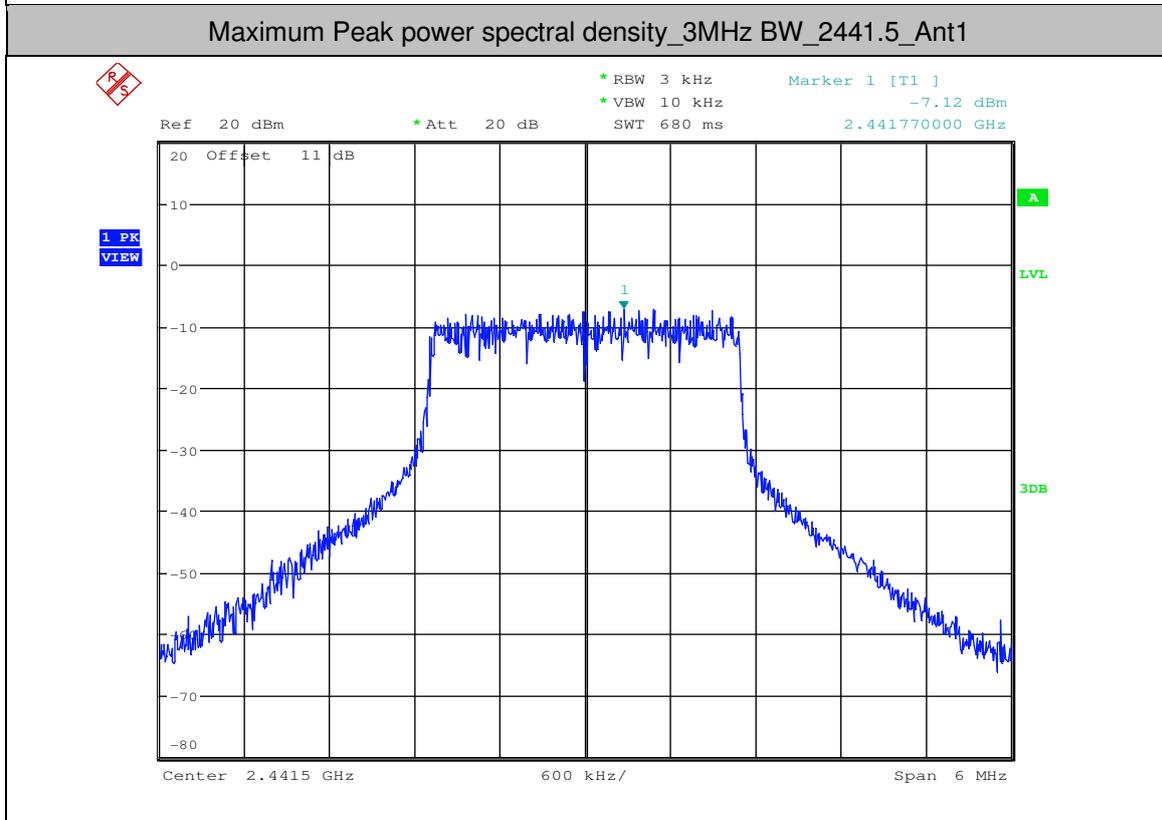
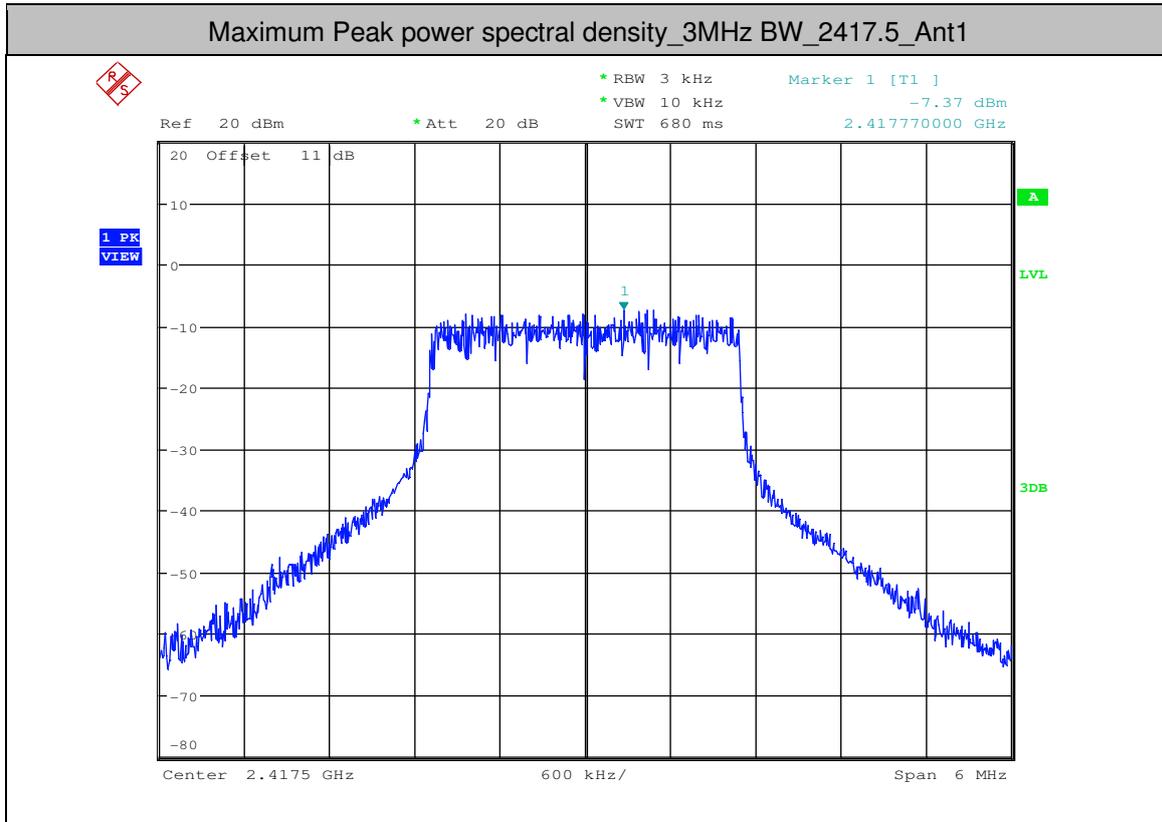
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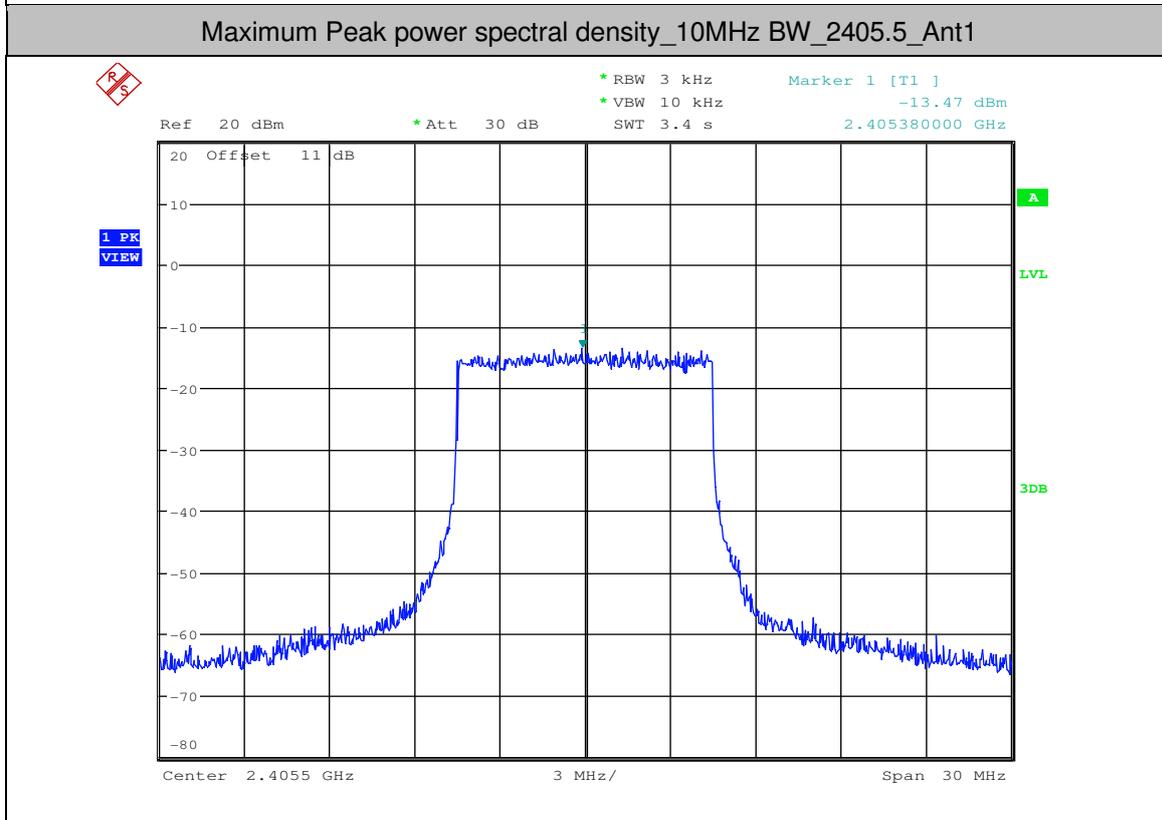
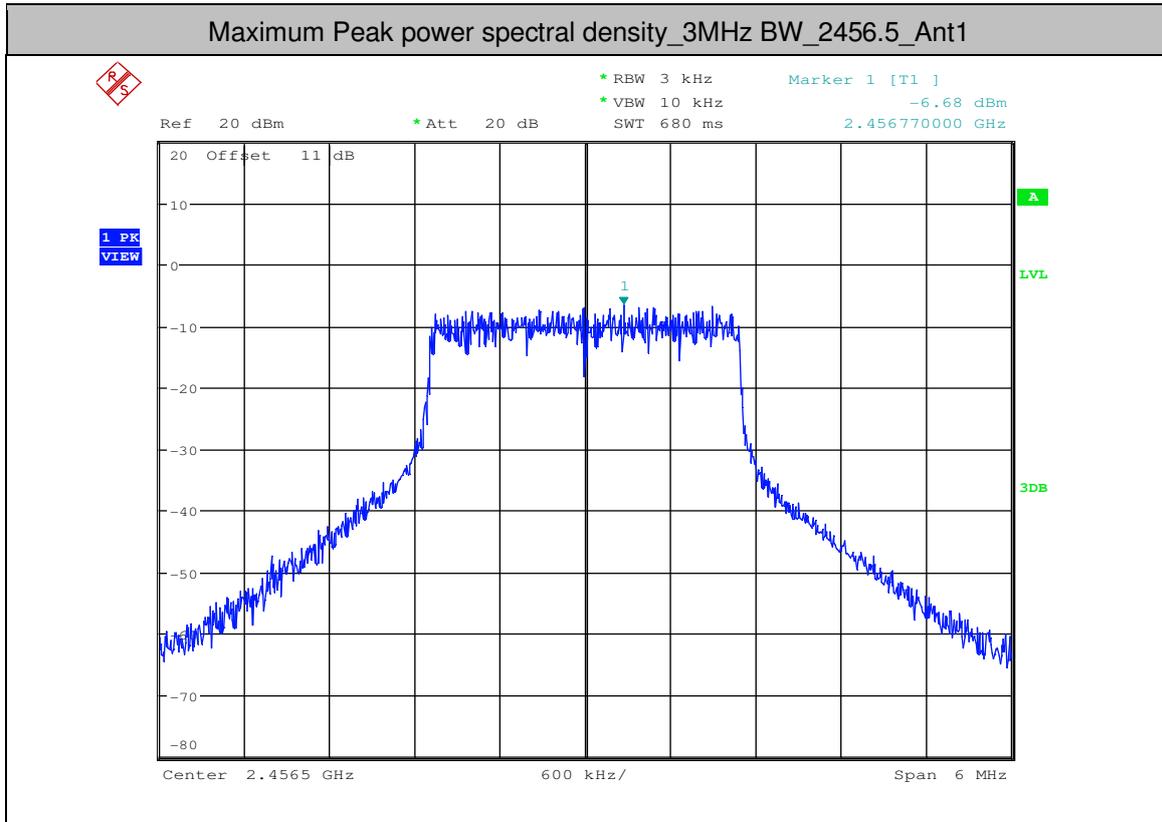


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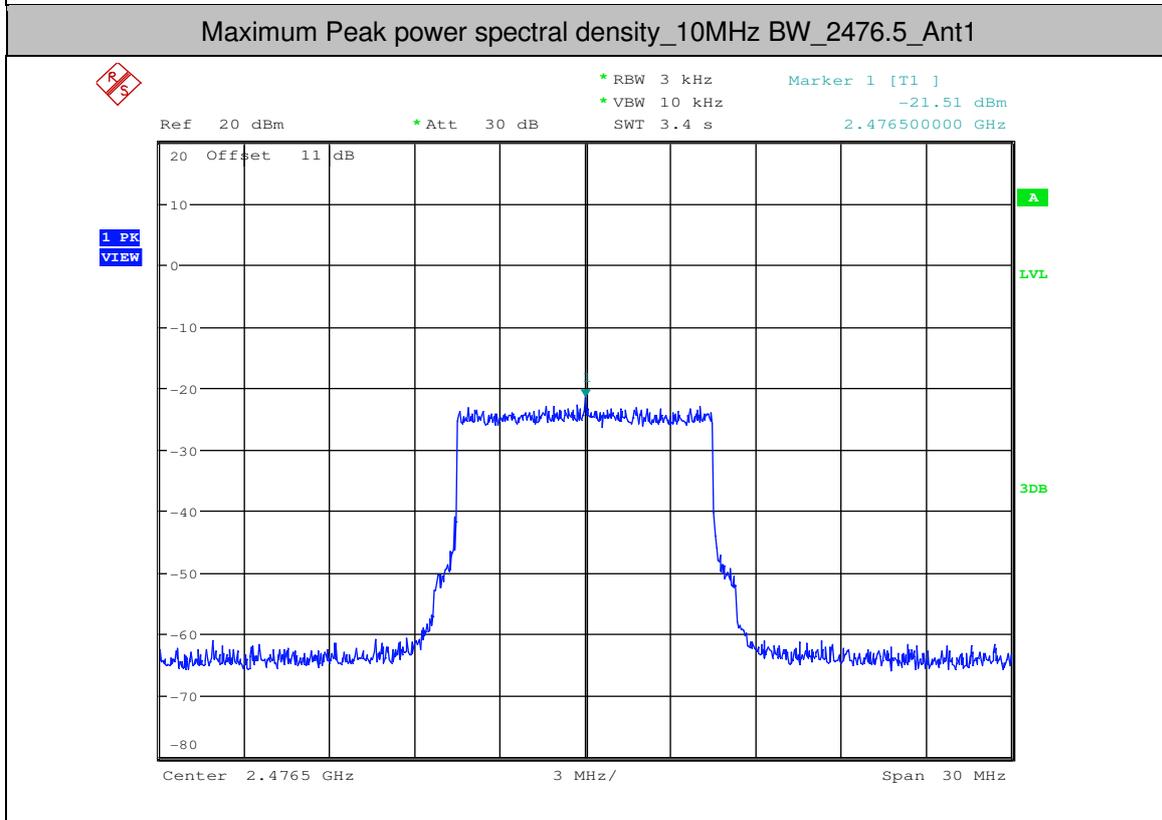
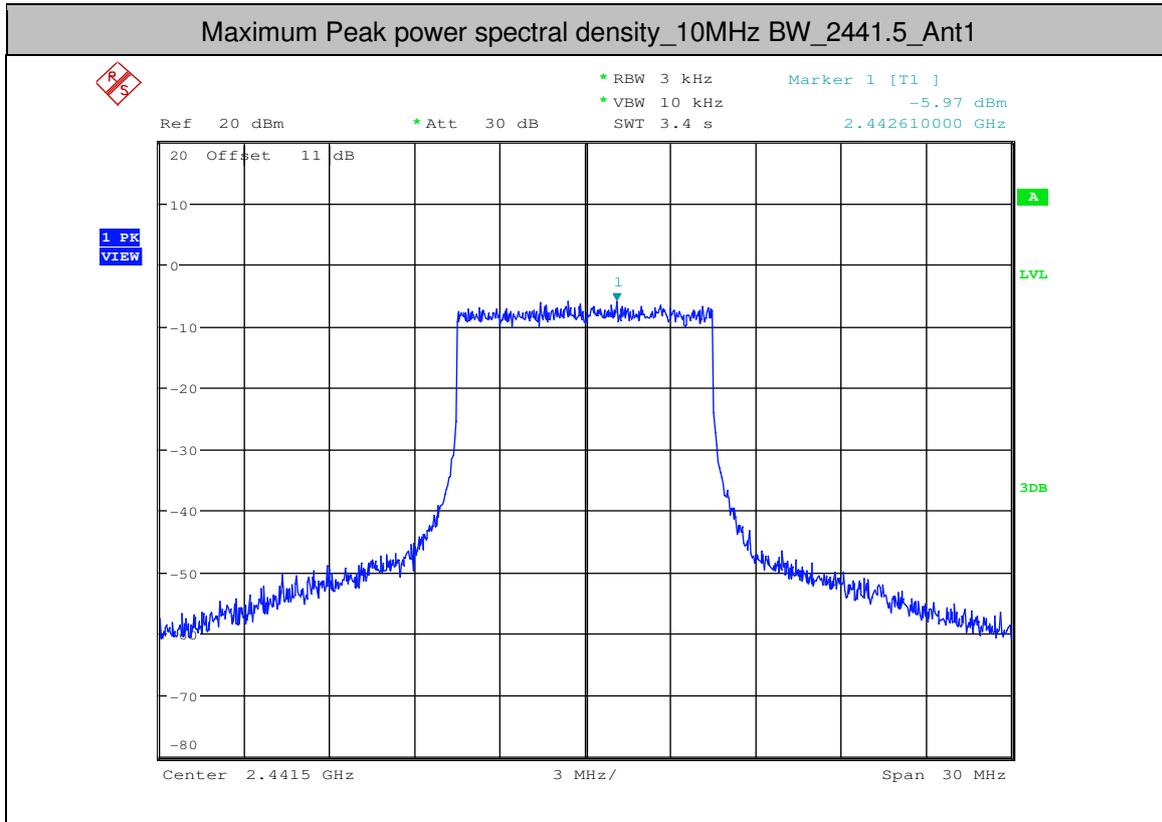






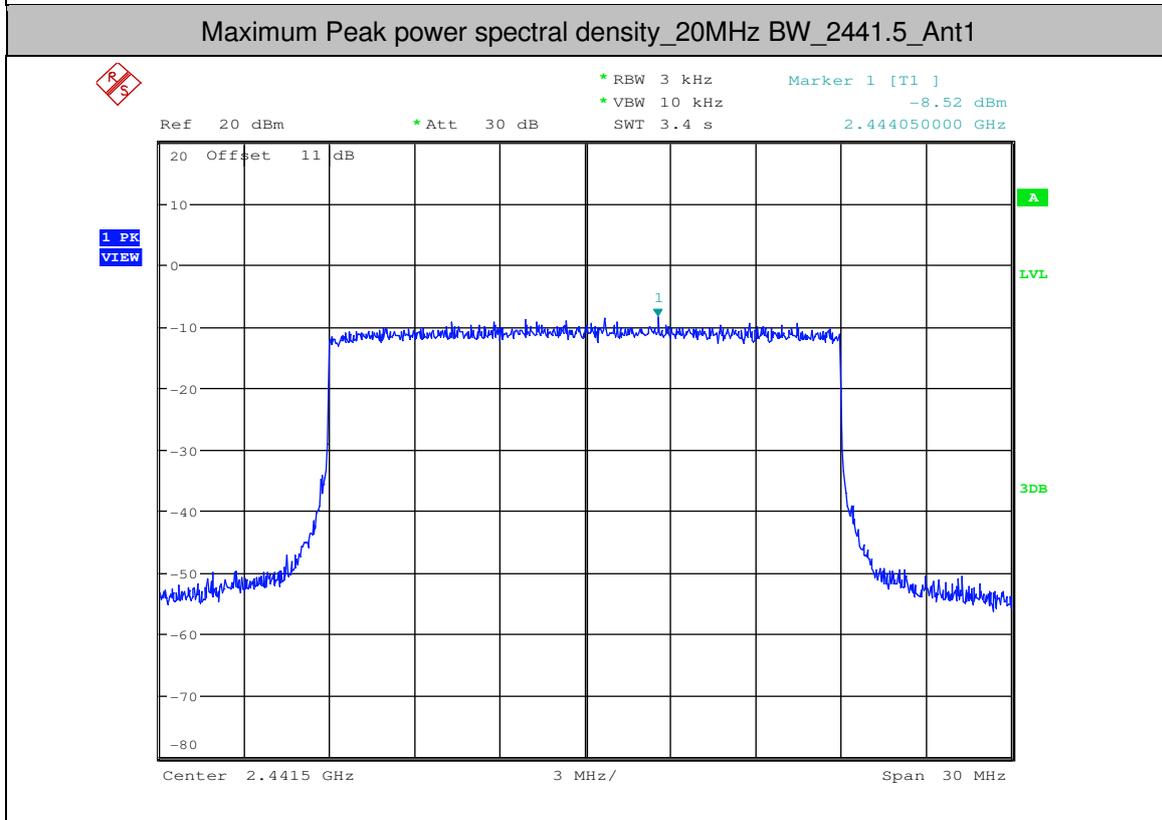
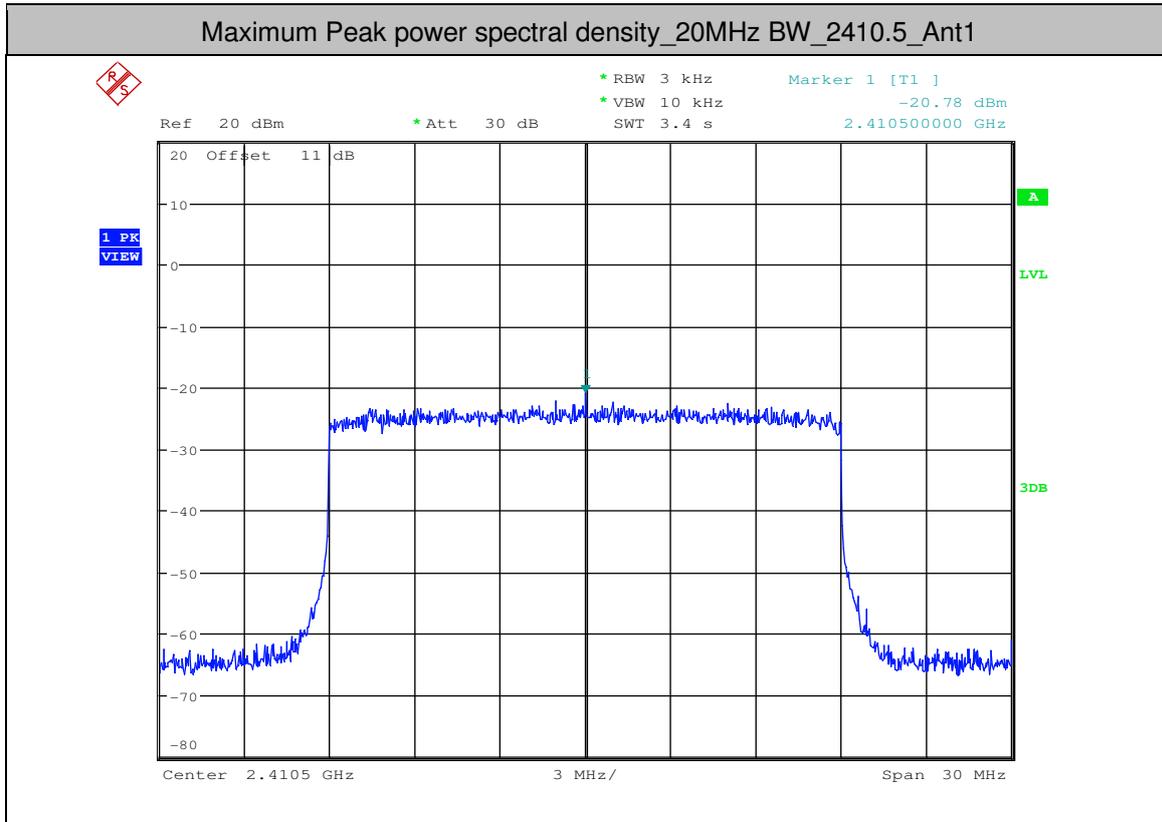
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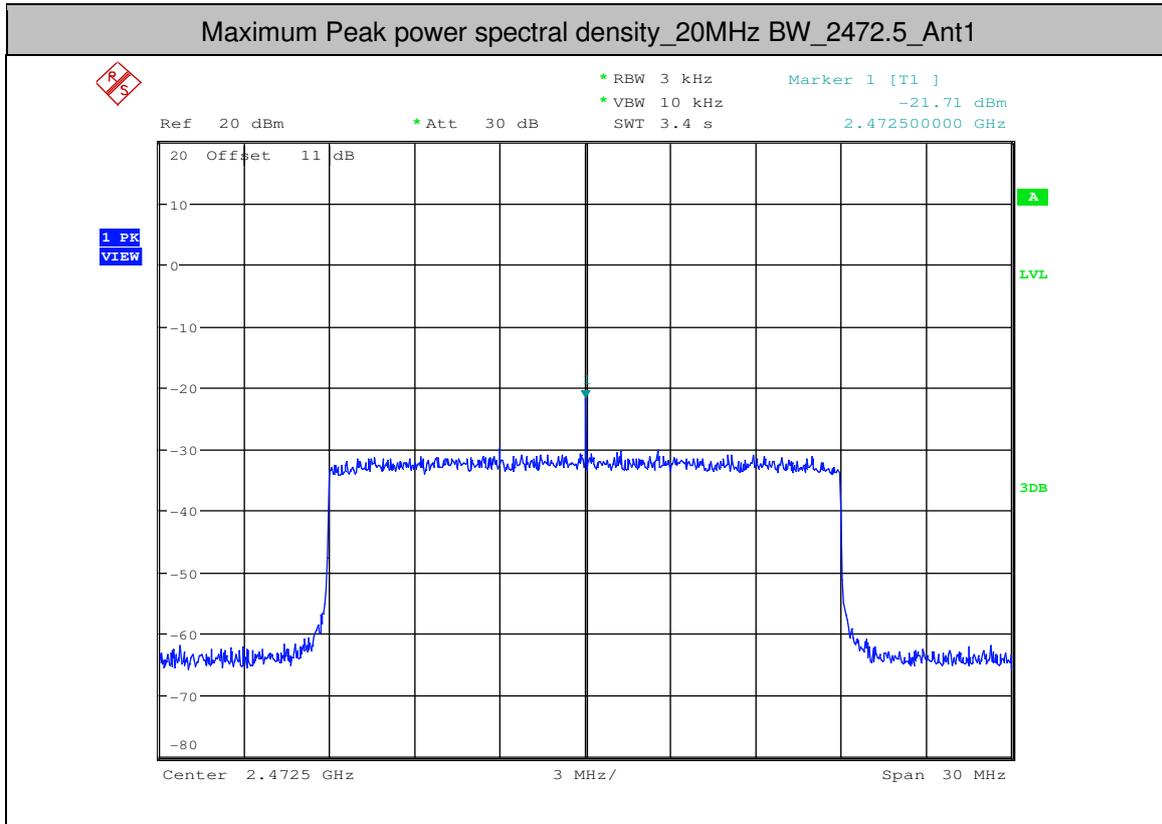
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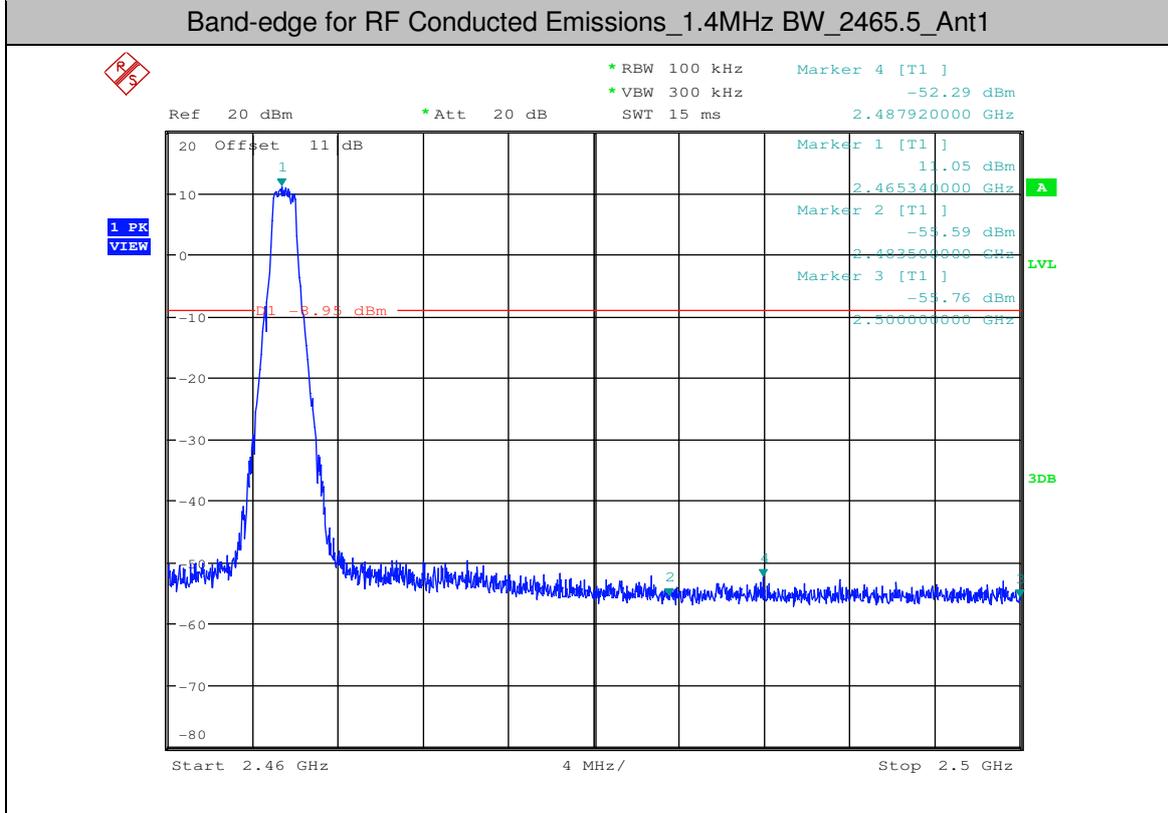
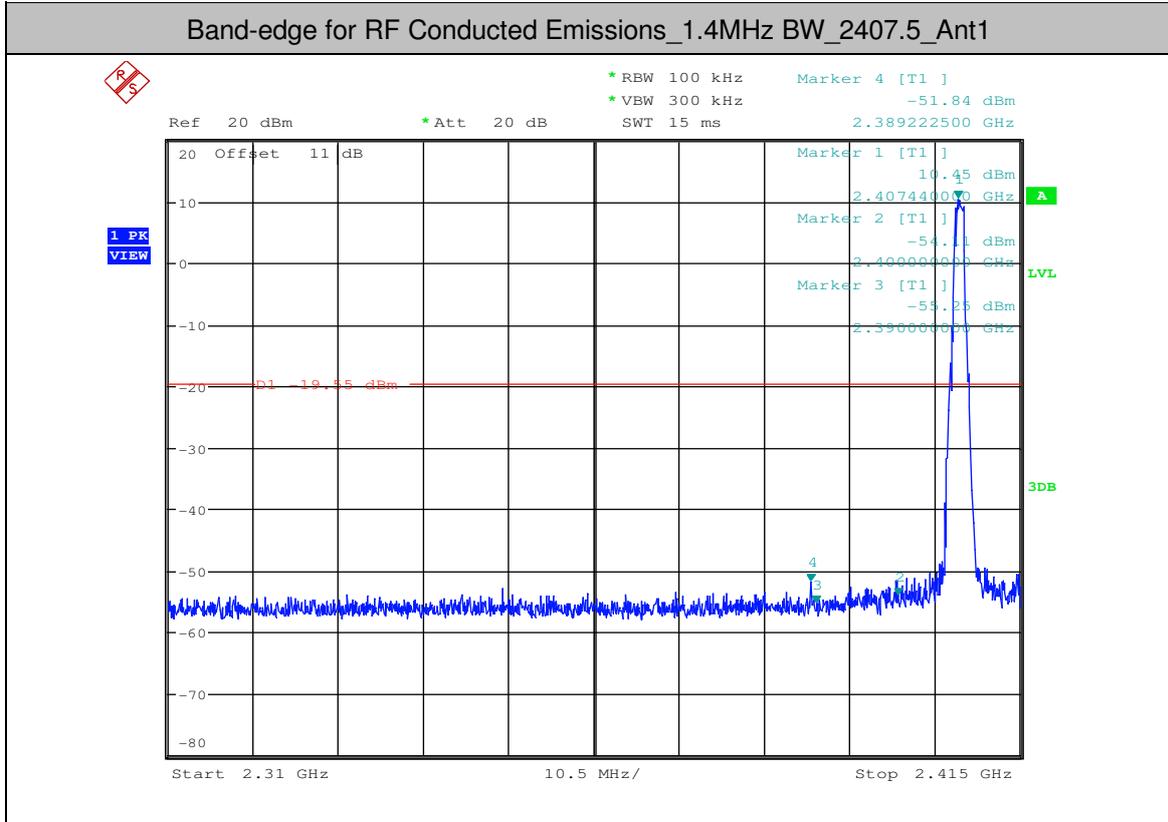
5. Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
1.4MHz BW	2407.5	Ant1	10.450	-51.839	<-19.55	PASS
1.4MHz BW	2465.5	Ant1	11.050	-52.291	<-8.95	PASS
1.4MHz BW CA	2409.12	Ant1	9.900	-44.464	<-20.1	PASS
1.4MHz BW CA	2467.12	Ant1	10.510	-45.331	<-19.49	PASS
3MHz BW	2417.5	Ant1	9.600	-53.341	<-20.4	PASS
3MHz BW	2456.5	Ant1	9.950	-52.185	<-20.05	PASS
10MHz BW	2405.5	Ant1	5.210	-26.120	<-24.79	PASS
10MHz BW	2476.5	Ant1	-3.940	-41.605	<-33.94	PASS
20MHz BW	2410.5	Ant1	-4.620	-45.454	<-34.62	PASS
20MHz BW	2472.5	Ant1	-11.770	-45.123	<-41.77	PASS



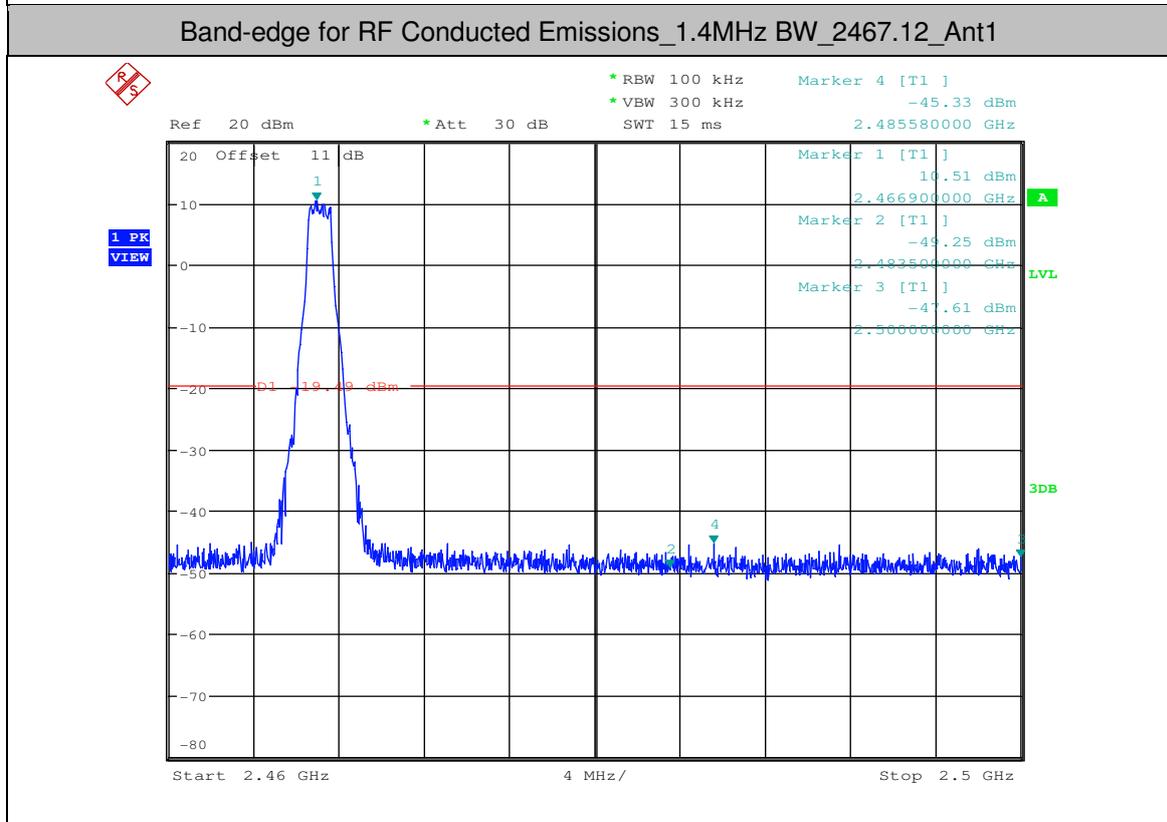
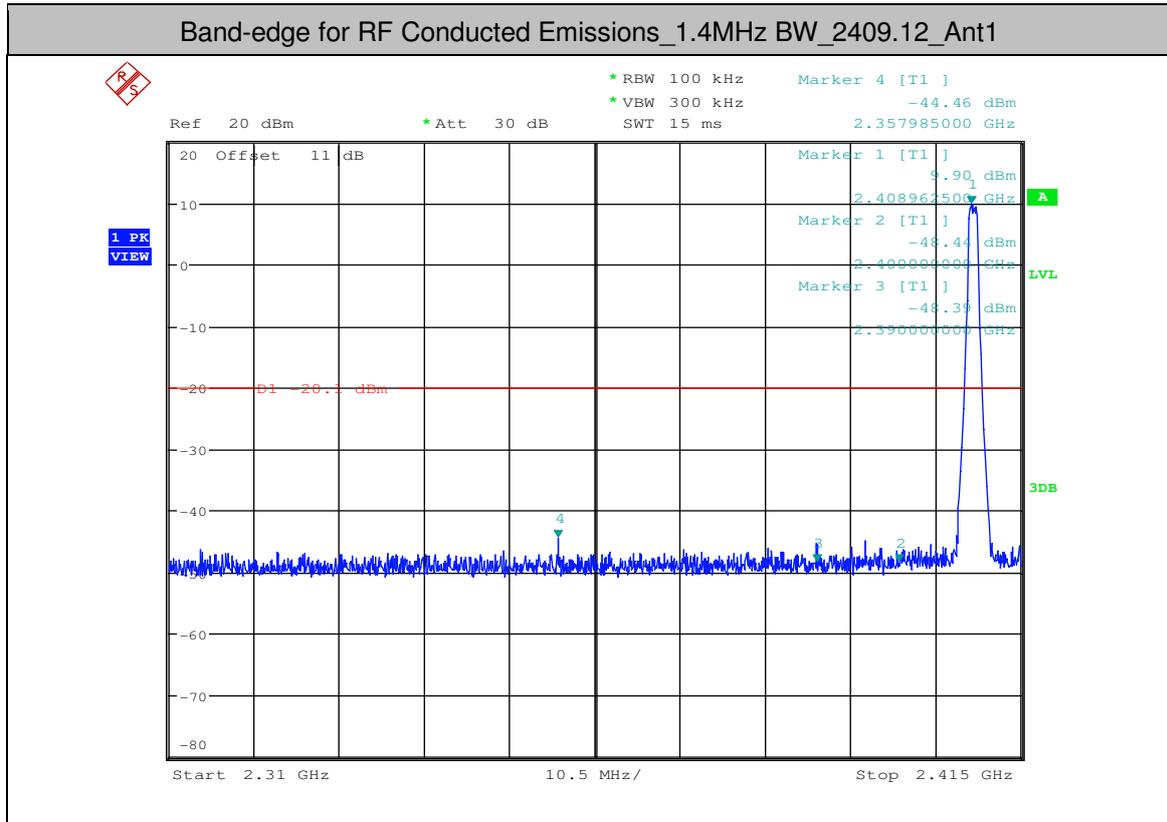
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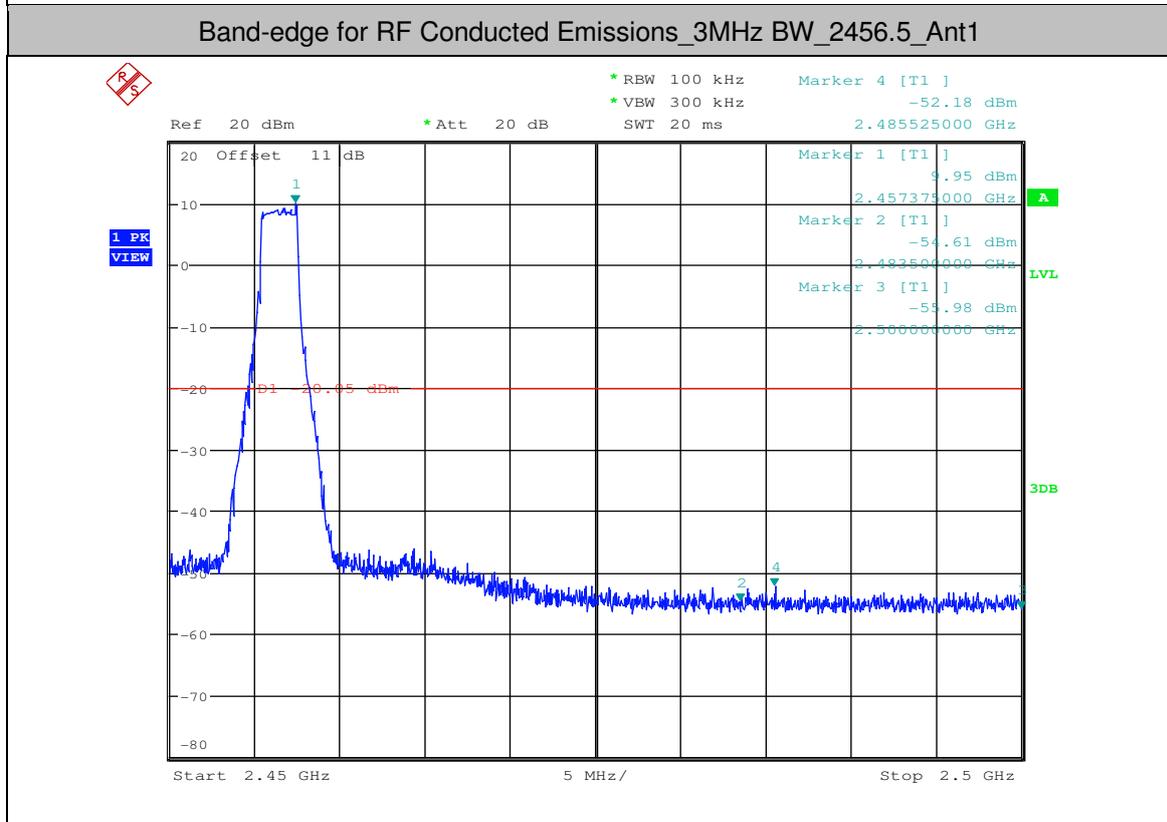
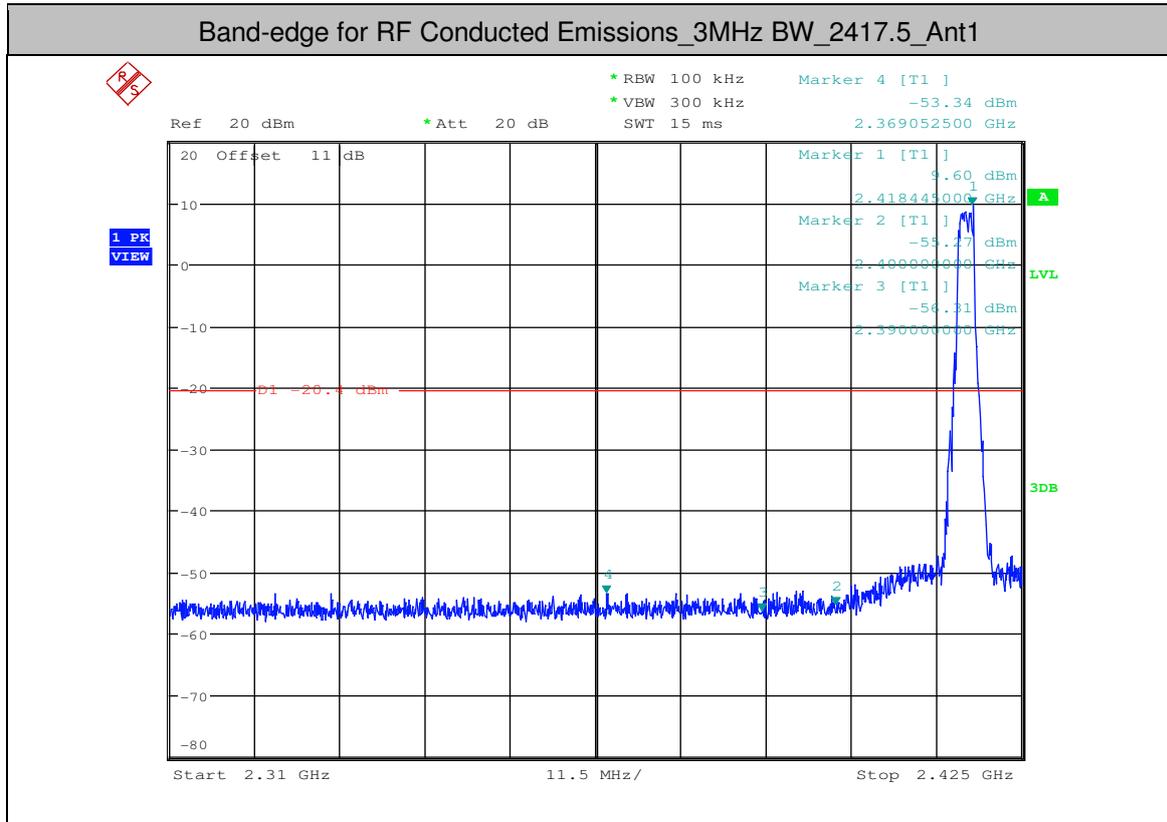
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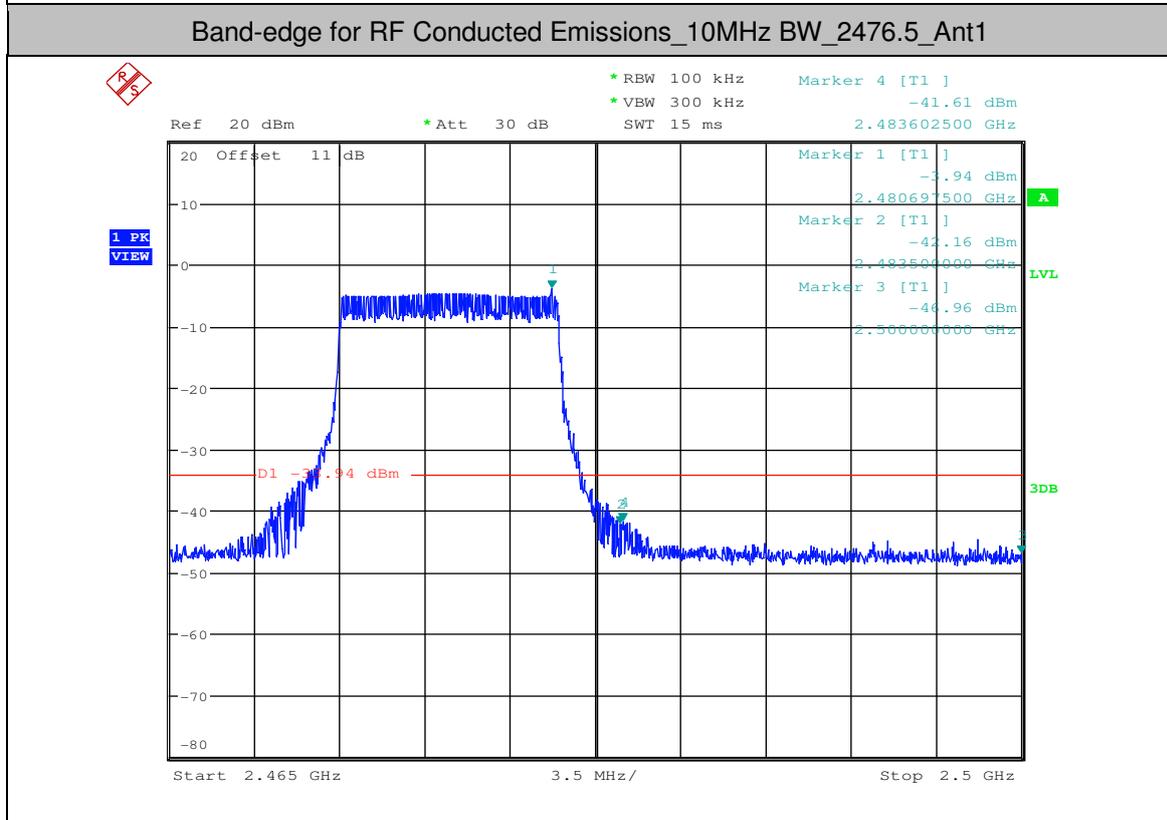
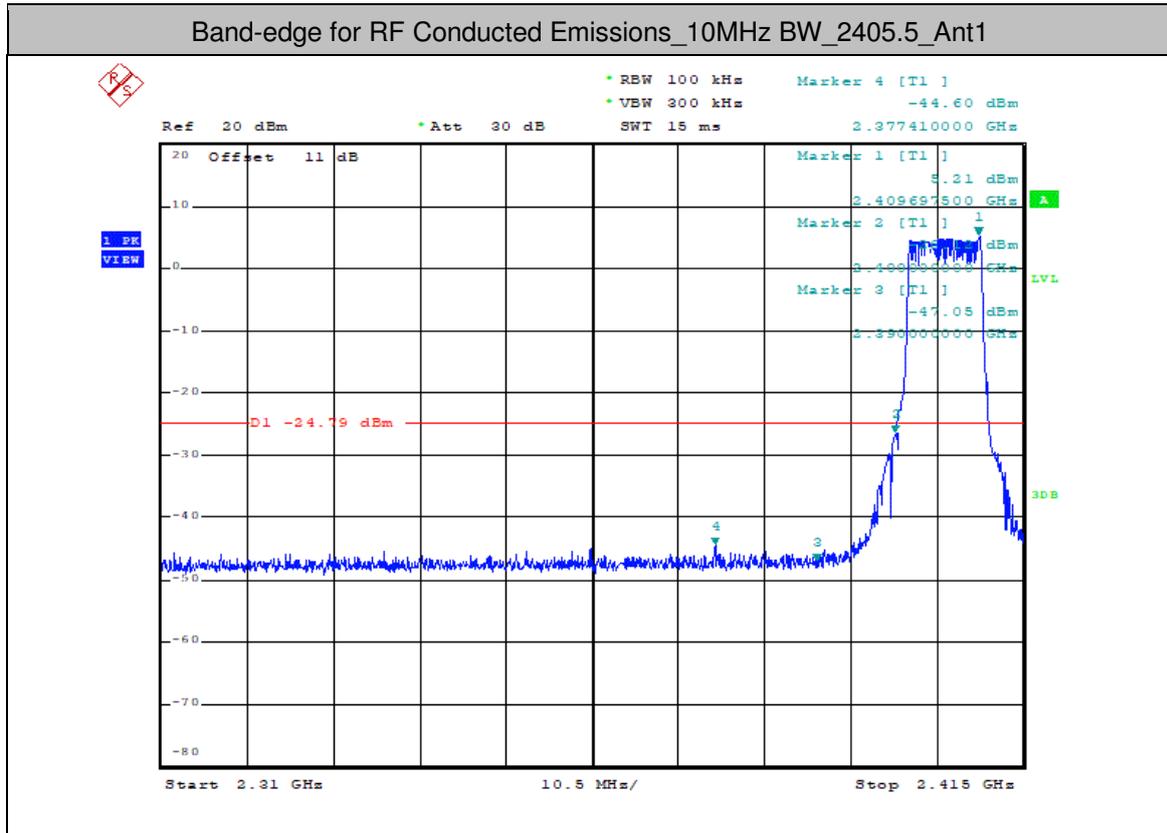
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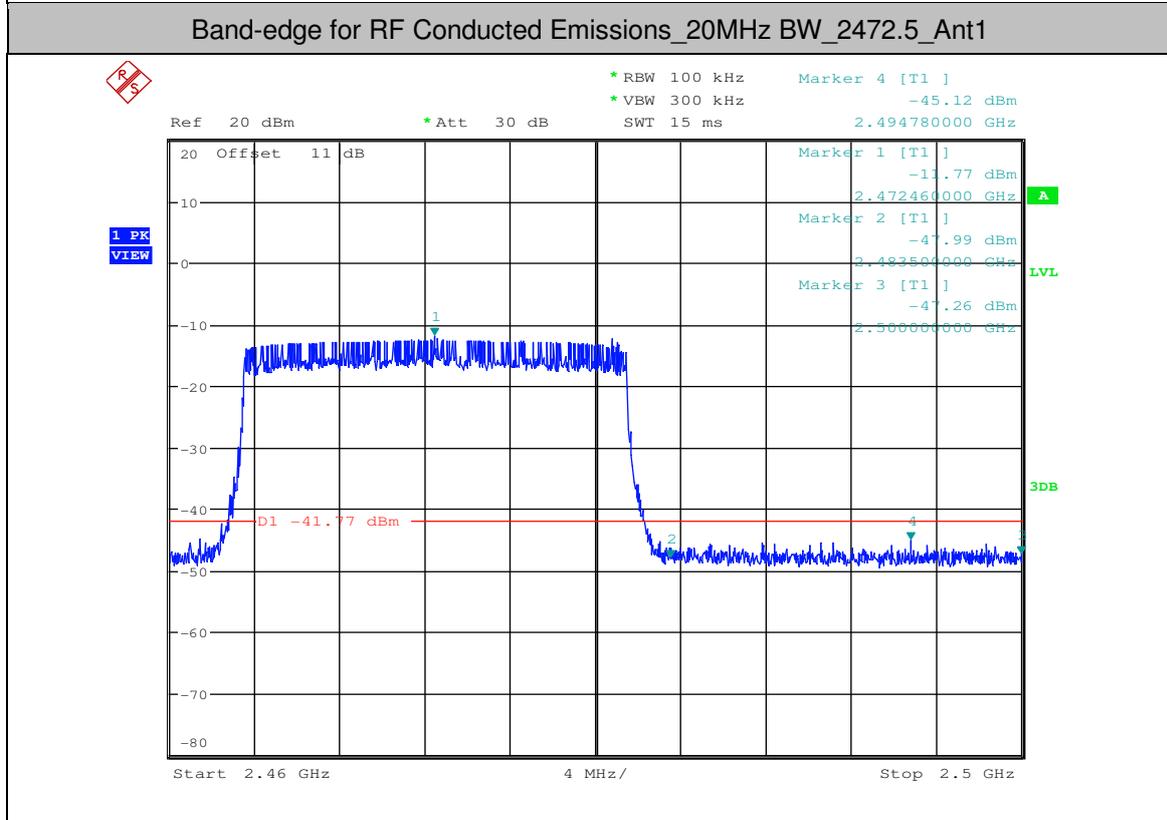
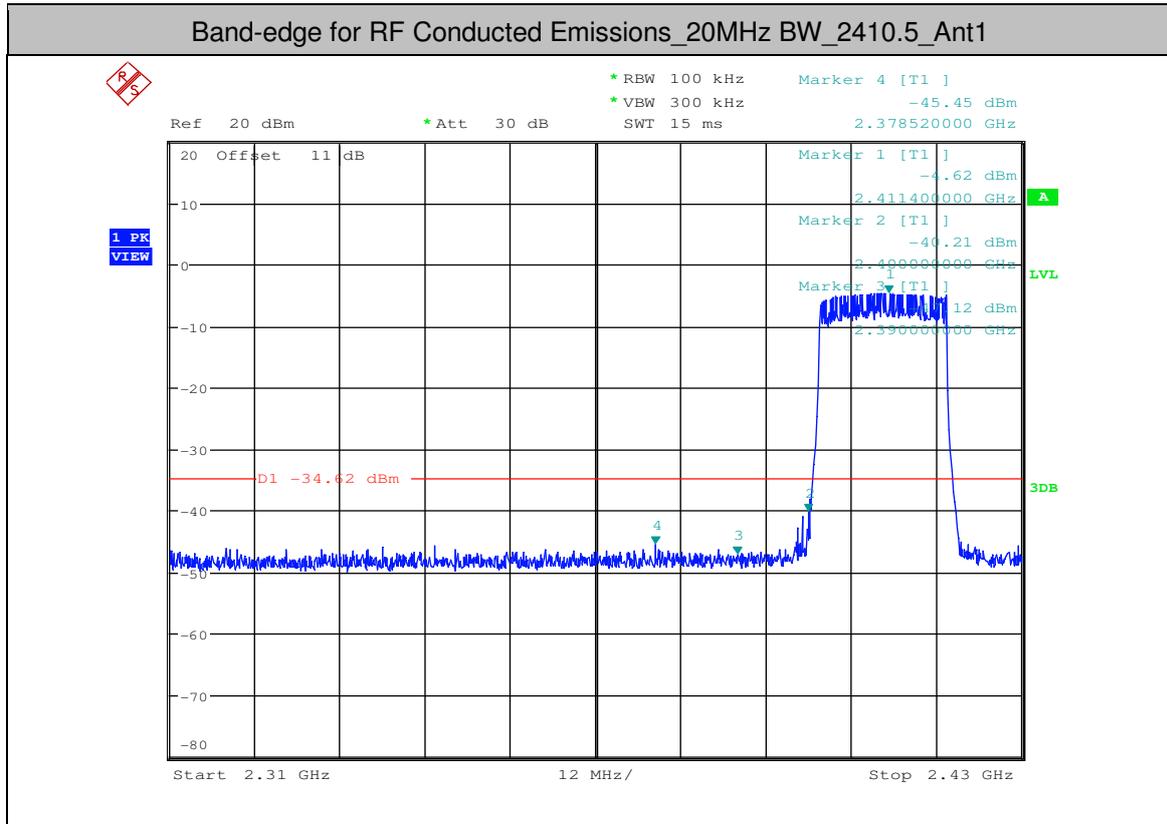
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6.RF Conducted Spurious Emissions

Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
1.4MHz BW	2407.5	30	10000	1000	3000	11.5	-36.380	<-18.5	PASS
1.4MHz BW	2407.5	10000	25000	1000	3000	11.5	-36.100	<-18.5	PASS
1.4MHz BW	2441.5	30	10000	1000	3000	12.03	-37.520	<-17.97	PASS
1.4MHz BW	2441.5	10000	25000	1000	3000	12.03	-36.670	<-17.97	PASS
1.4MHz BW	2465.5	30	10000	1000	3000	12.08	-36.620	<-17.92	PASS
1.4MHz BW	2465.5	10000	25000	1000	3000	12.08	-36.880	<-17.92	PASS
1.4MHz BW CA	2409.12	30	10000	100	300	10.1	-49.230	<-19.9	PASS
1.4MHz BW CA	2409.12	10000	25000	100	300	10.1	-53.740	<-19.9	PASS
1.4MHz BW CA	2443.12	30	10000	100	300	10.89	-49.010	<-19.11	PASS
1.4MHz BW CA	2443.12	10000	25000	100	300	10.89	-53.750	<-19.11	PASS
1.4MHz BW CA	2467.12	30	10000	100	300	10.63	-50.250	<-19.37	PASS
1.4MHz BW CA	2467.12	10000	25000	100	300	10.63	-53.730	<-19.37	PASS
3MHz BW	2417.5	30	10000	1000	3000	9.43	-36.810	<-20.57	PASS
3MHz BW	2417.5	10000	25000	1000	3000	9.43	-36.160	<-20.57	PASS
3MHz BW	2441.5	30	10000	1000	3000	8.82	-36.370	<-21.18	PASS
3MHz BW	2441.5	10000	25000	1000	3000	8.82	-36.810	<-21.18	PASS
3MHz BW	2456.5	30	10000	1000	3000	9.66	-36.300	<-20.34	PASS
3MHz BW	2456.5	10000	25000	1000	3000	9.66	-36.230	<-20.34	PASS
10MHz BW	2405.5	30	10000	100	300	5.25	-52.460	<-24.75	PASS
10MHz BW	2405.5	10000	25000	100	300	5.25	-53.580	<-24.75	PASS
10MHz BW	2441.5	30	10000	100	300	12.06	-42.530	<-17.94	PASS
10MHz BW	2441.5	10000	25000	100	300	12.06	-53.210	<-17.94	PASS
10MHz BW	2476.5	30	10000	100	300	-4.02	-53.510	<-34.02	PASS
10MHz BW	2476.5	10000	25000	100	300	-4.02	-53.870	<-34.02	PASS
20MHz BW	2410.5	30	10000	100	300	-4.94	-53.970	<-34.94	PASS
20MHz BW	2410.5	10000	25000	100	300	-4.94	-53.040	<-34.94	PASS
20MHz BW	2441.5	30	10000	100	300	9.46	-45.280	<-20.54	PASS
20MHz BW	2441.5	10000	25000	100	300	9.46	-53.930	<-20.54	PASS



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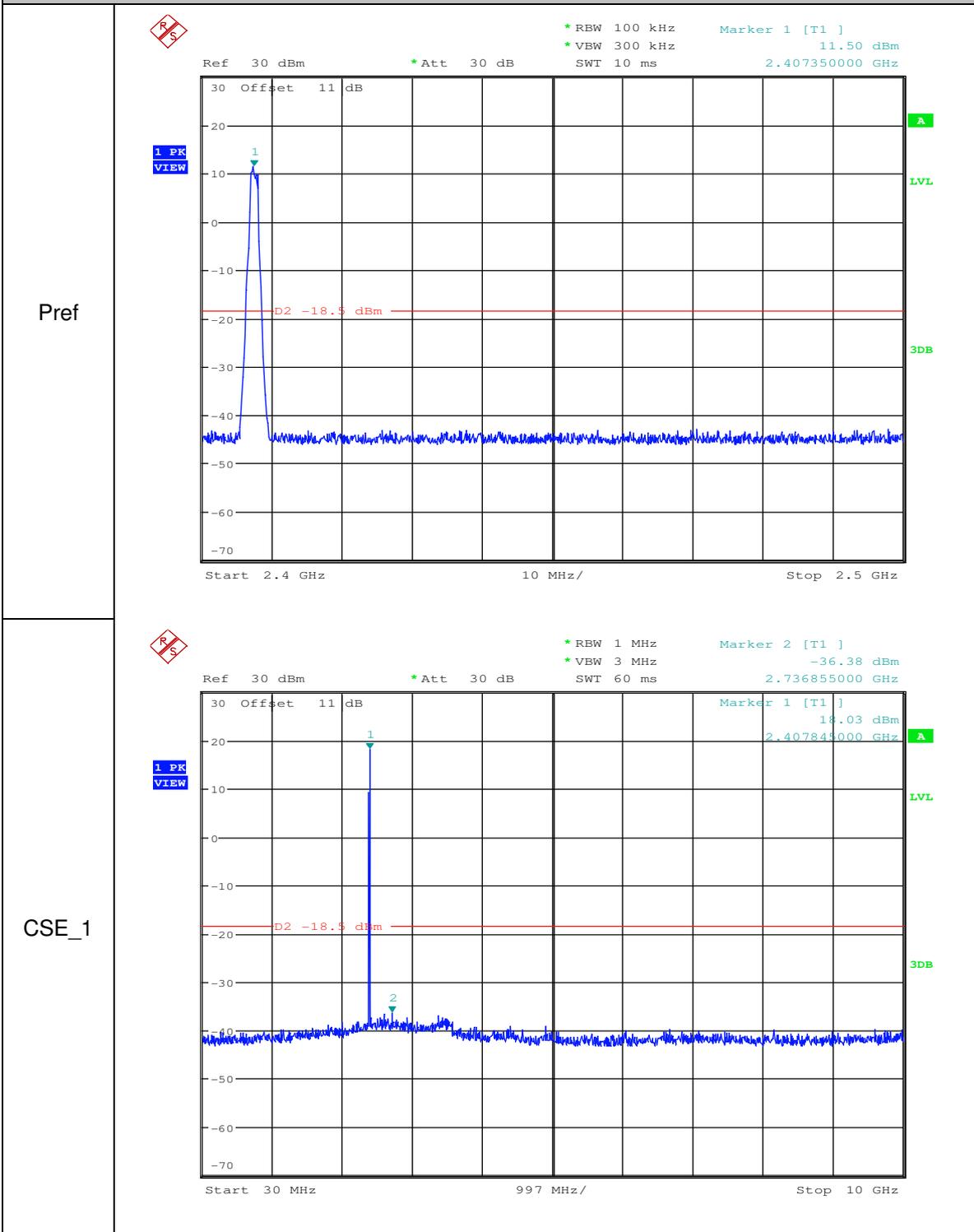
20MHz BW	2472.5	30	10000	100	300	-12.4	-54.080	<-42.4	PASS
20MHz BW	2472.5	10000	25000	100	300	-12.4	-53.610	<-42.4	PASS



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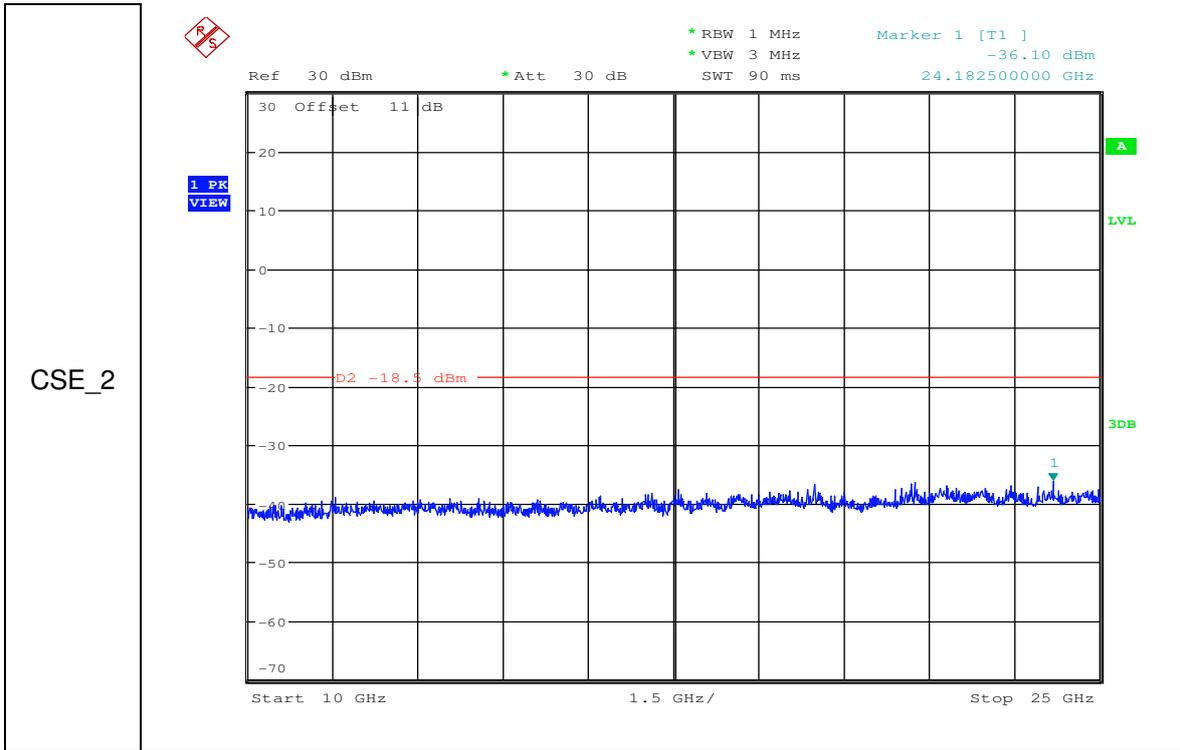
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RF Conducted Spurious Emissions_1.4MHz BW_2407.5_Ant1

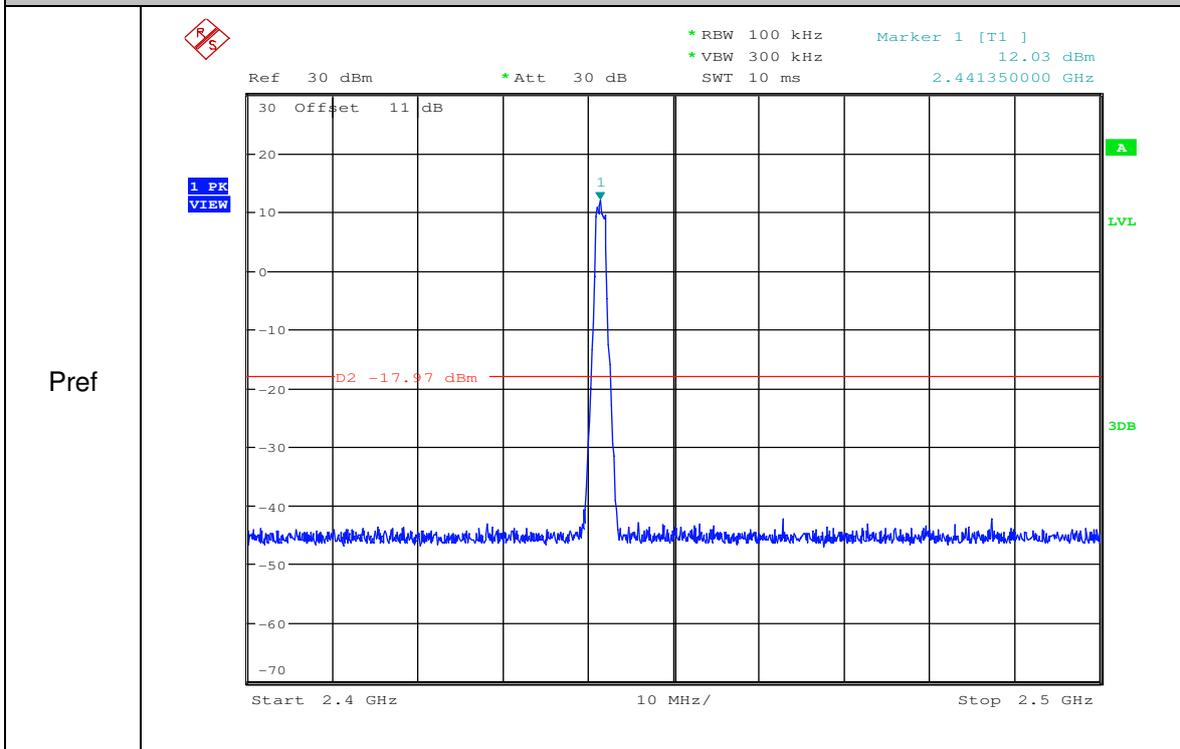


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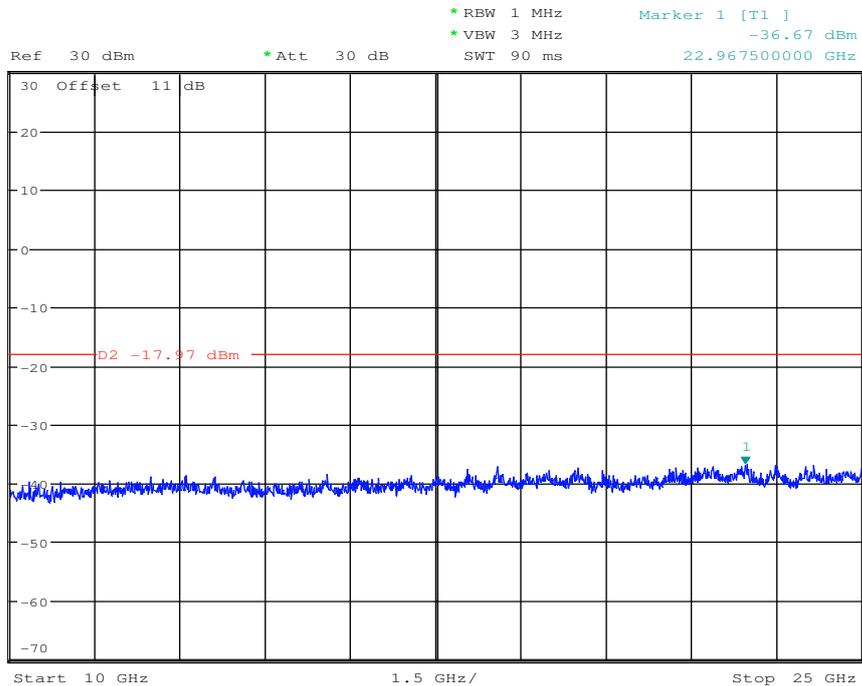
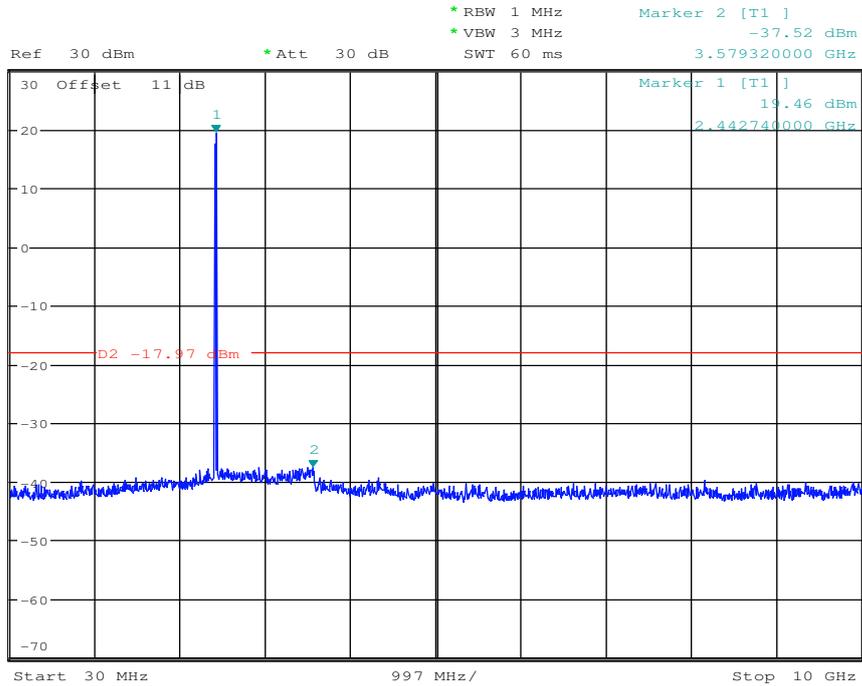


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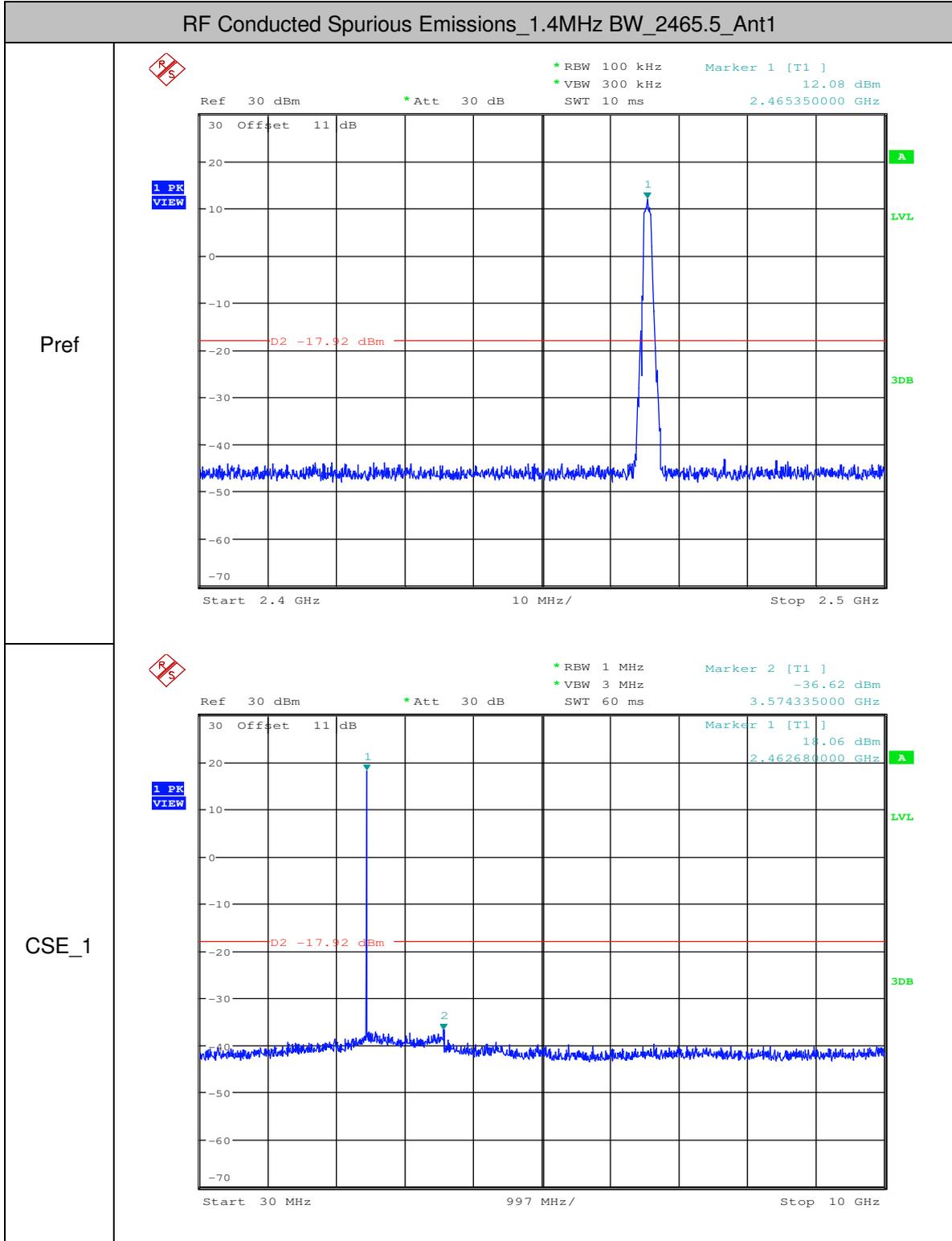
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CSE_2



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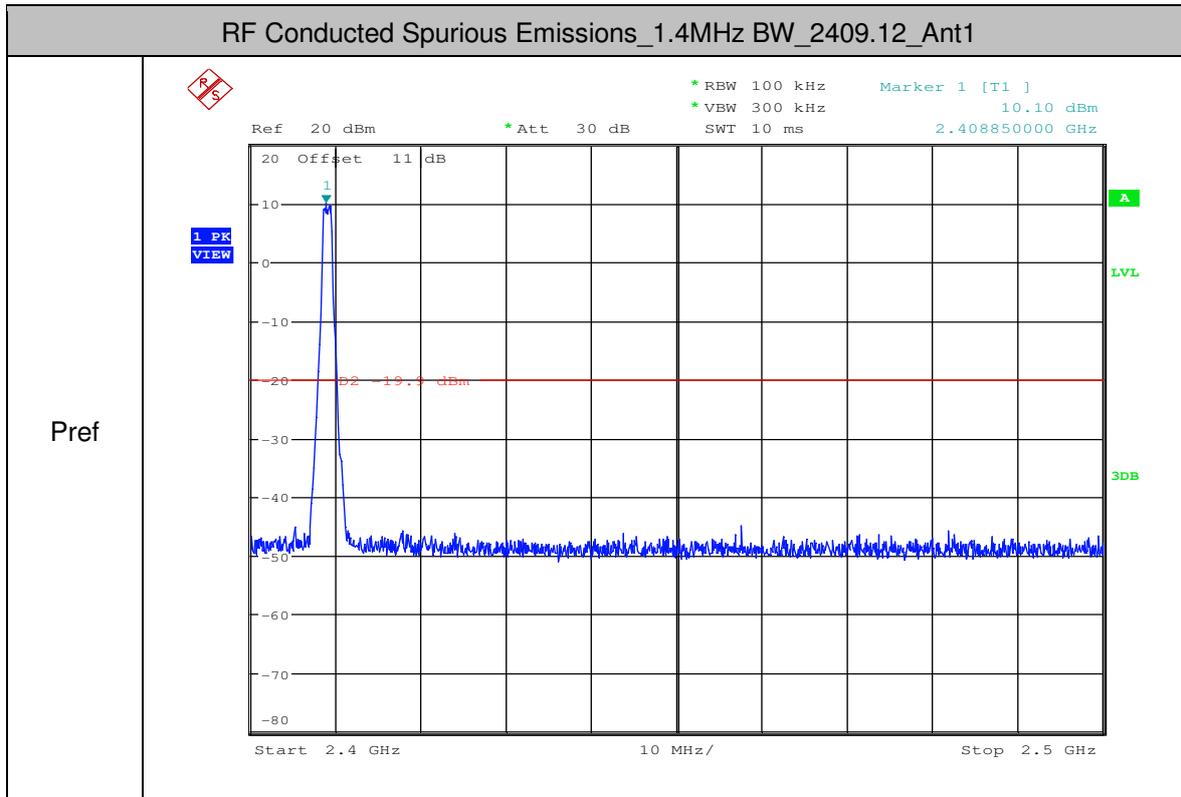
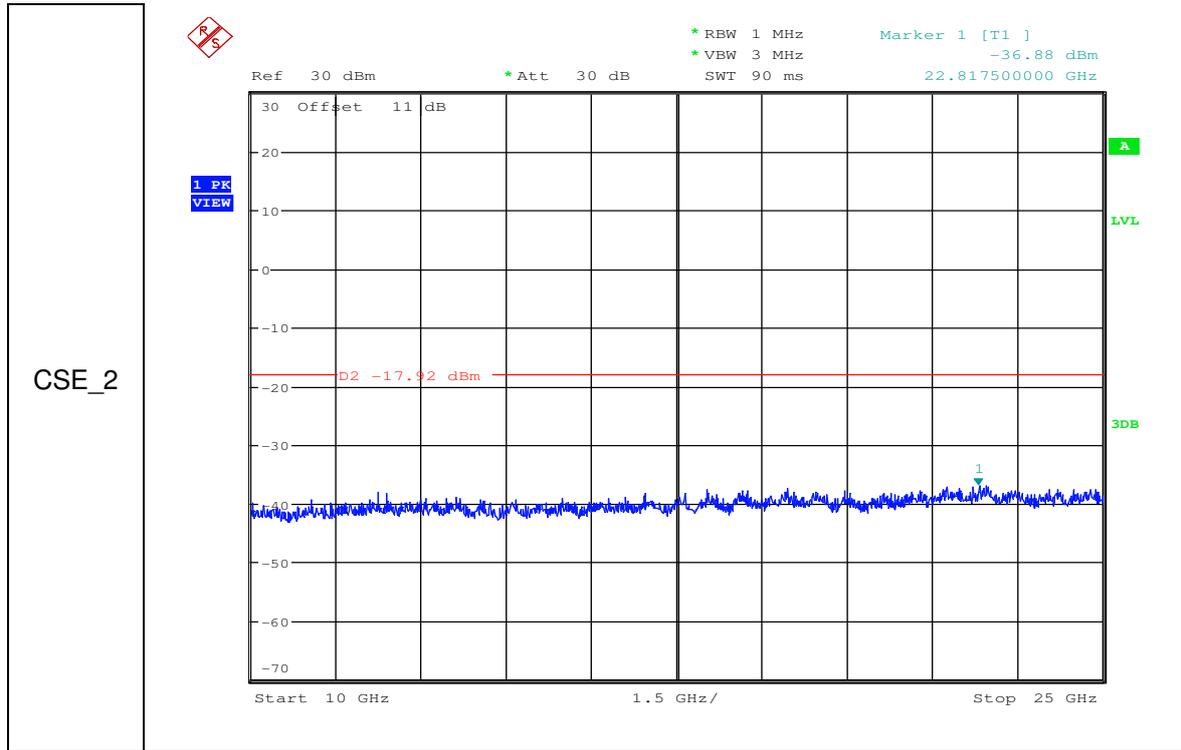
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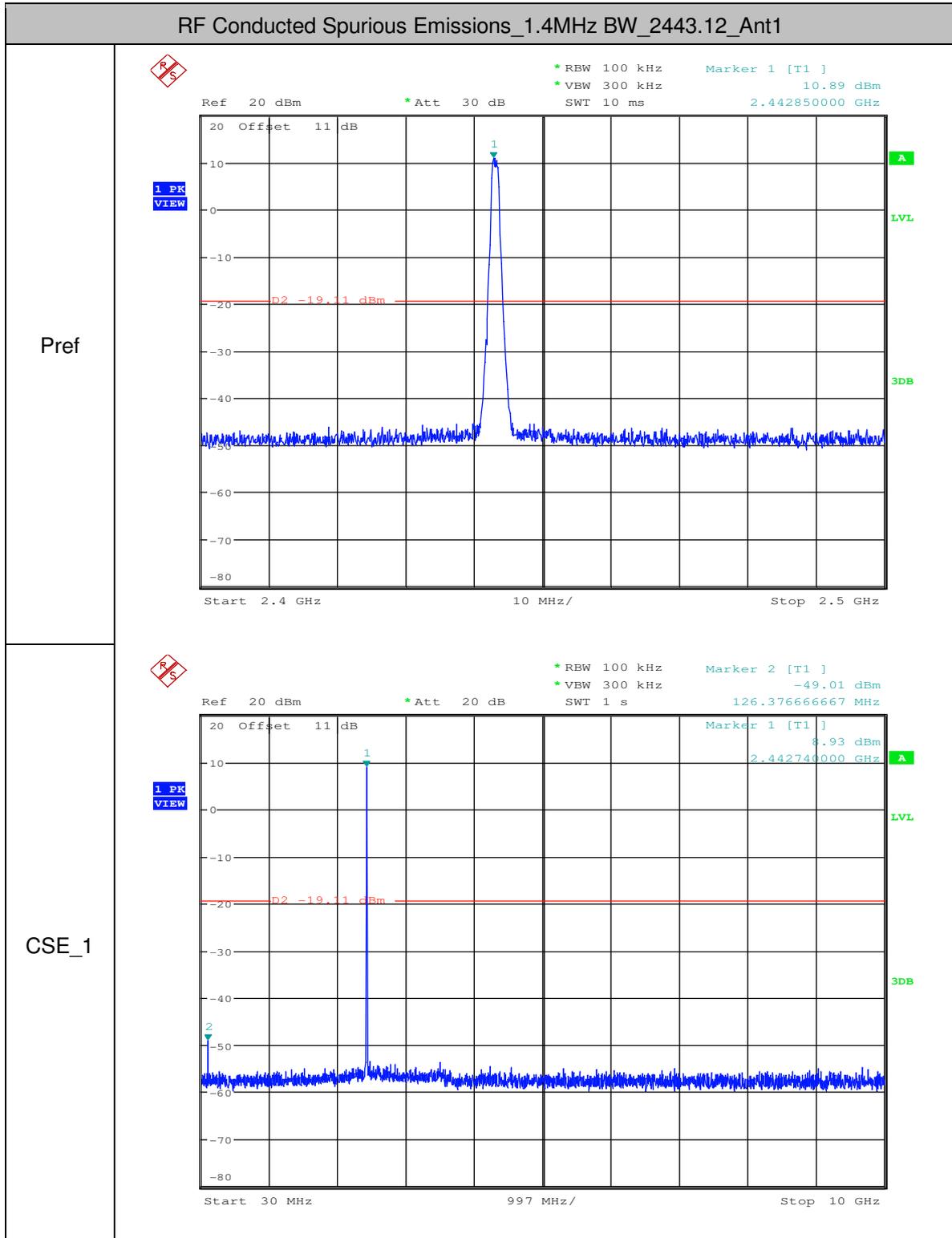
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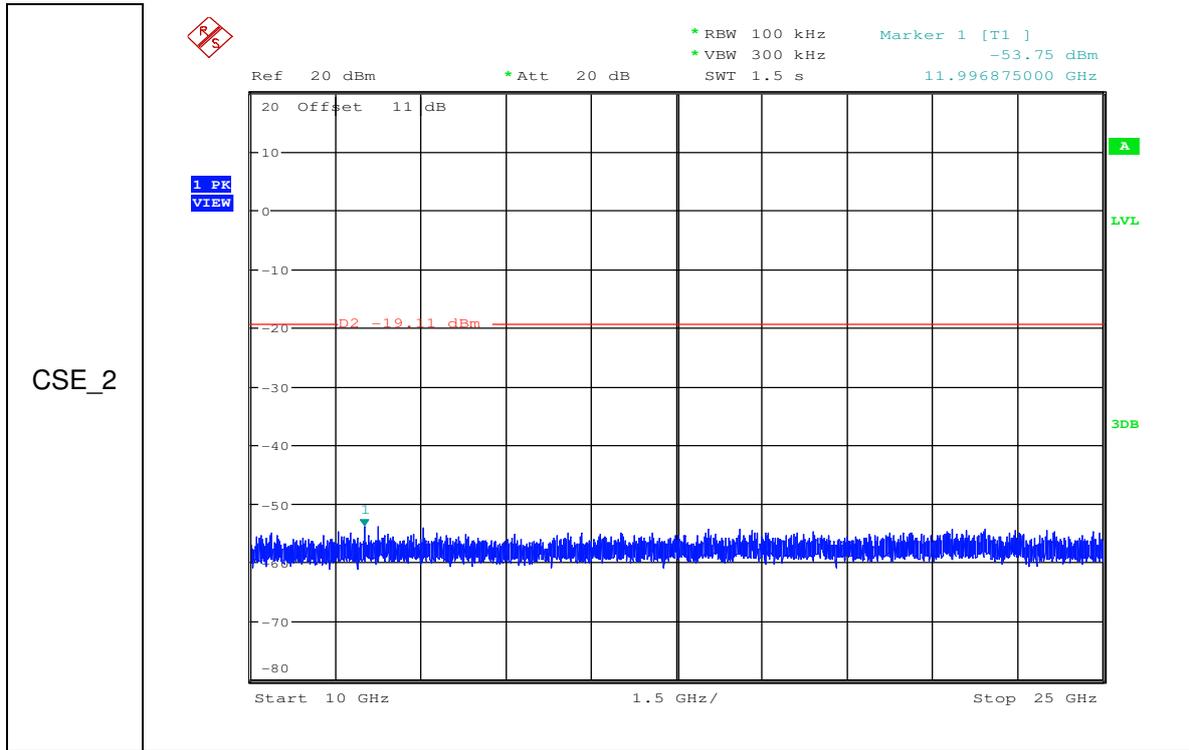
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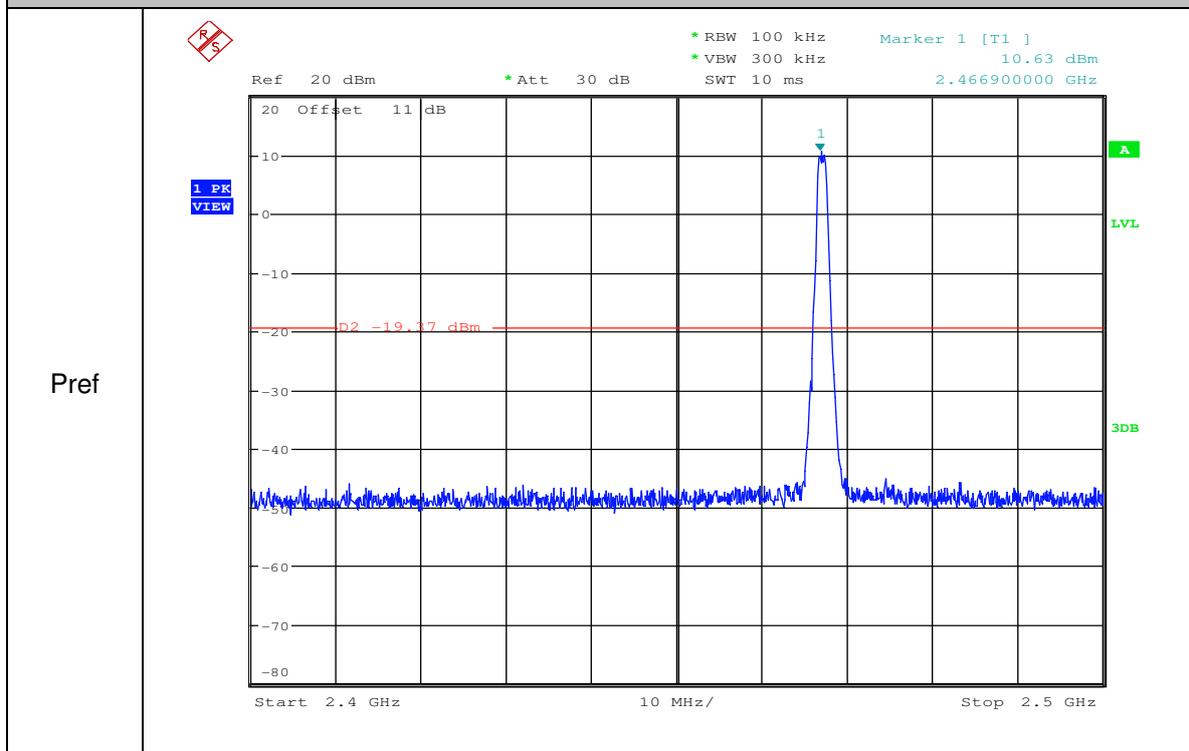


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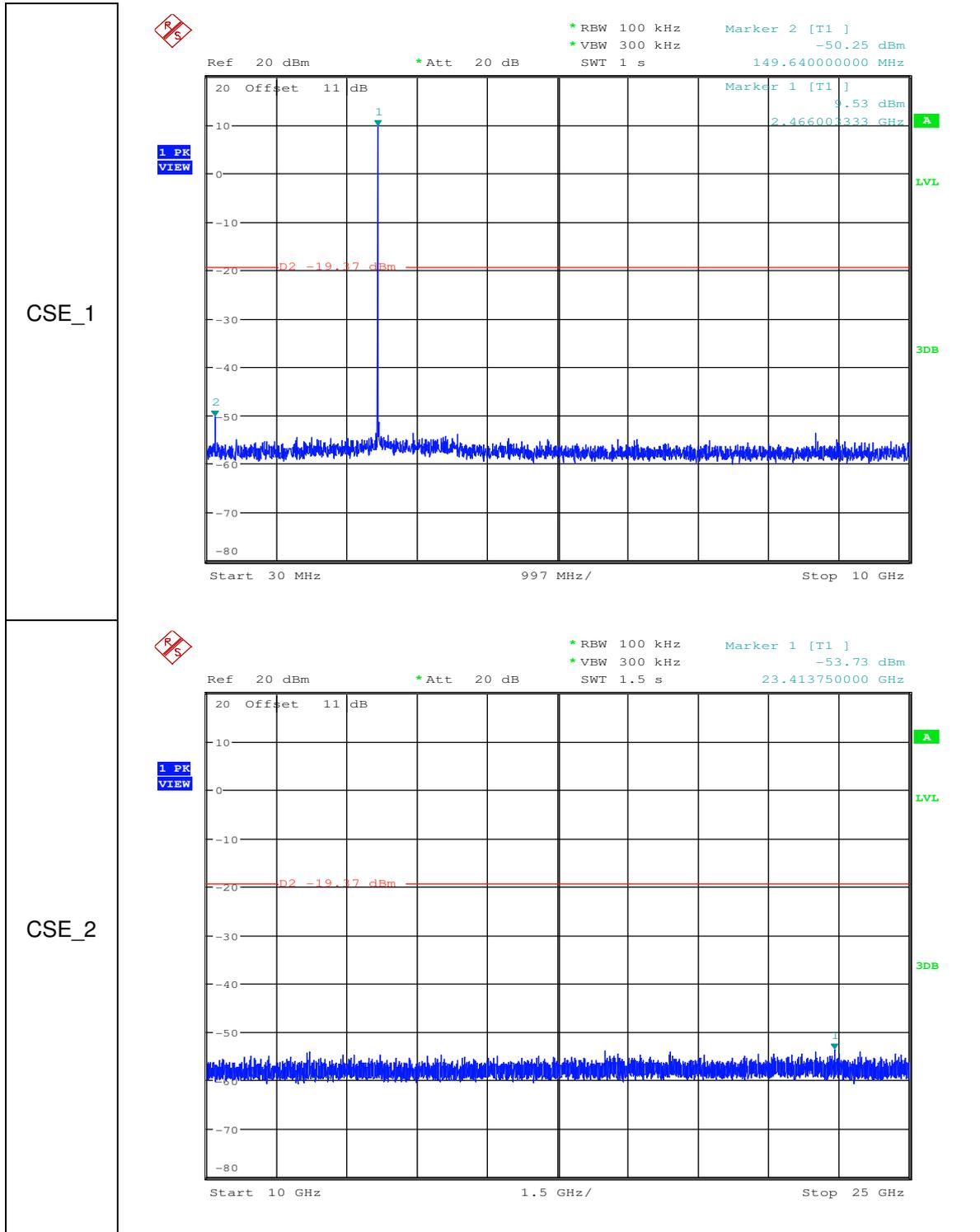


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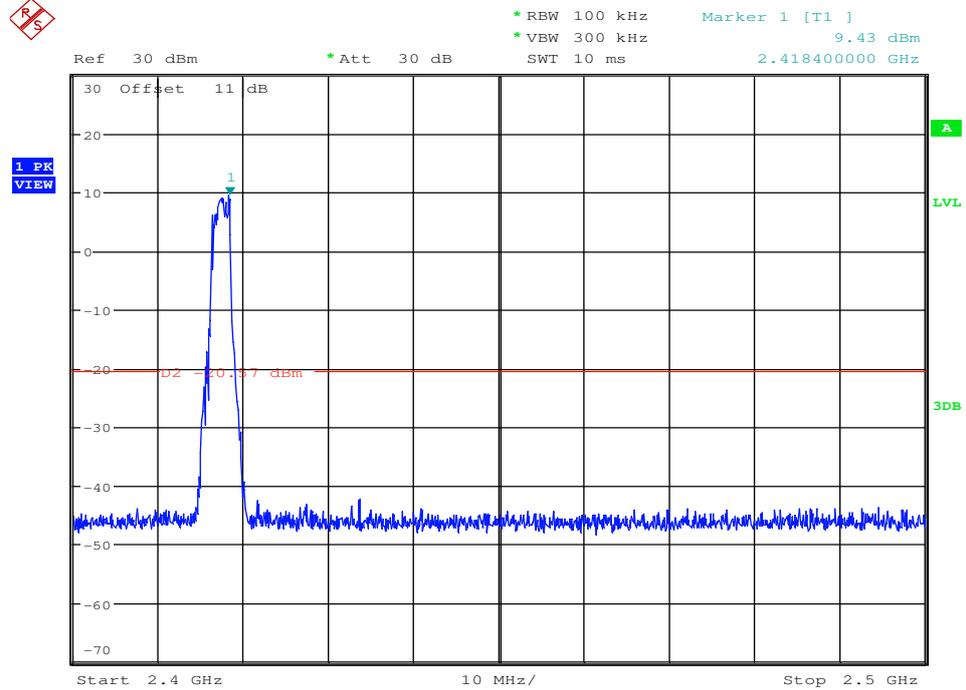


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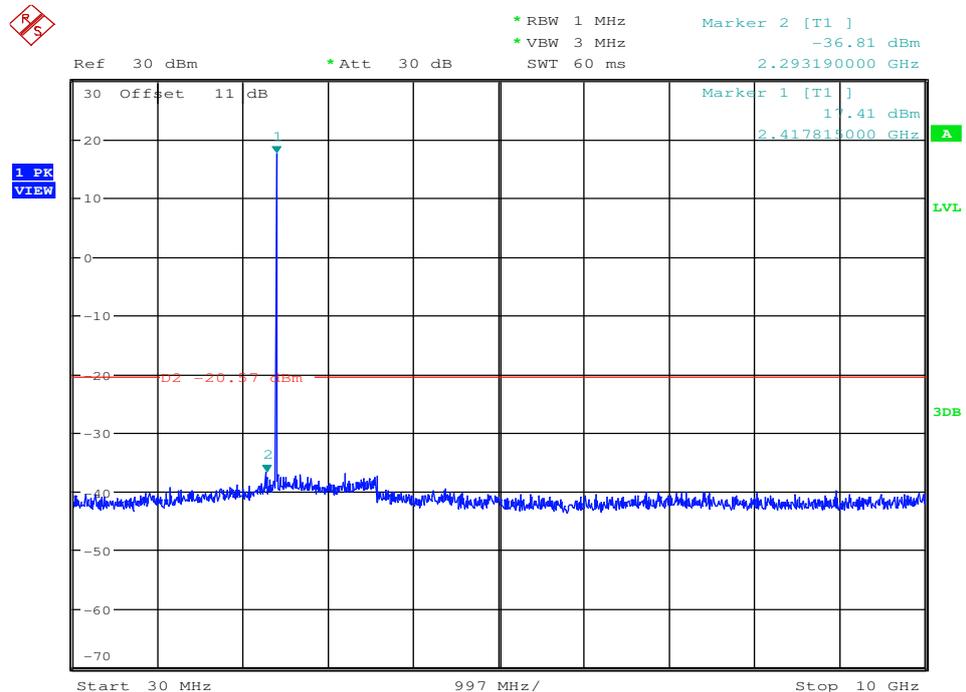
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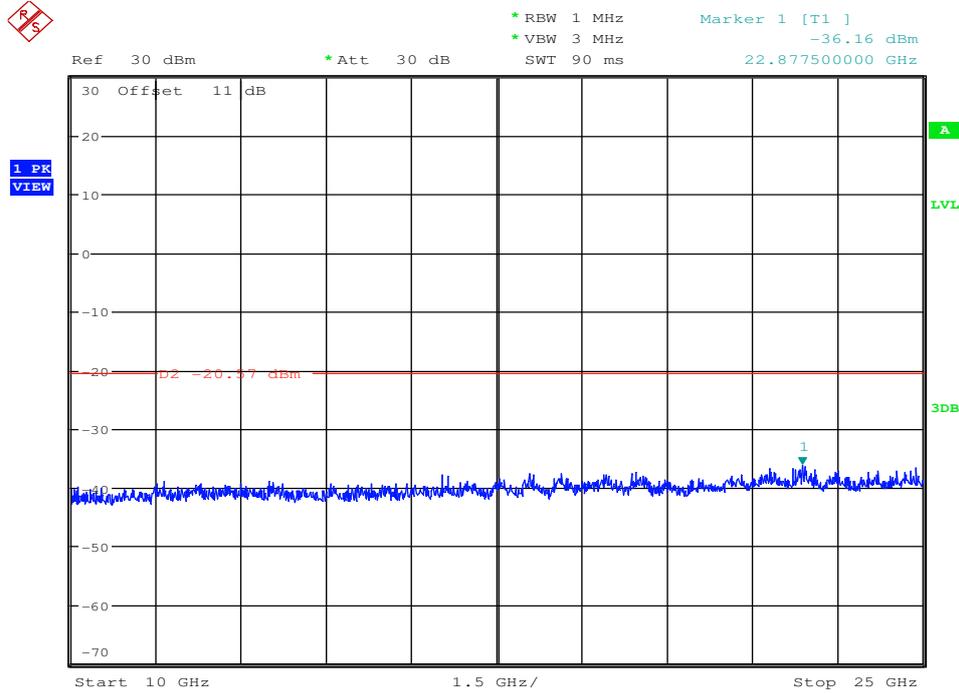
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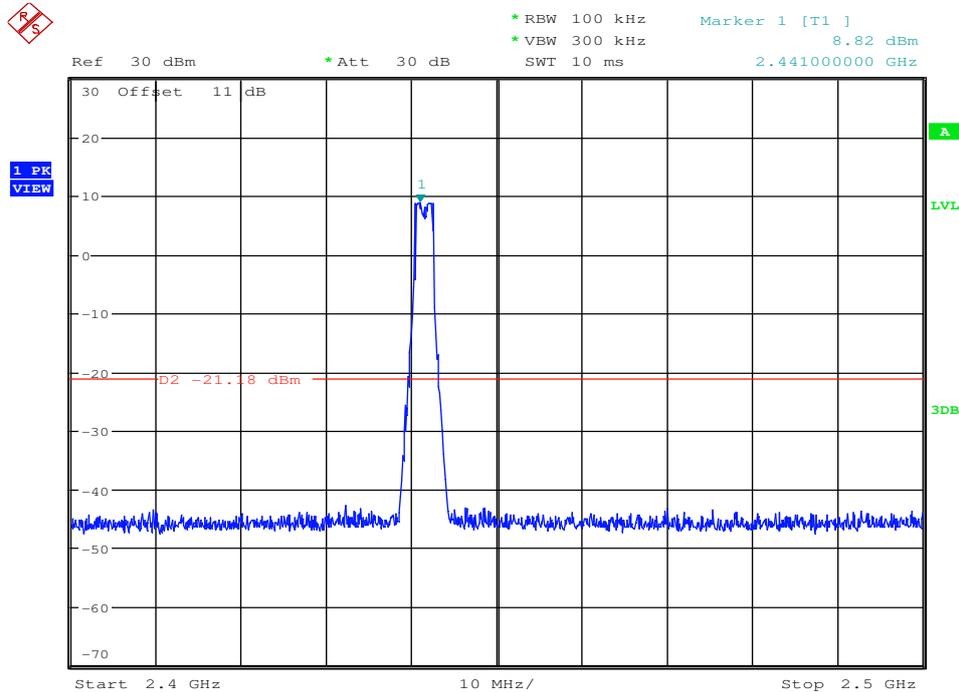


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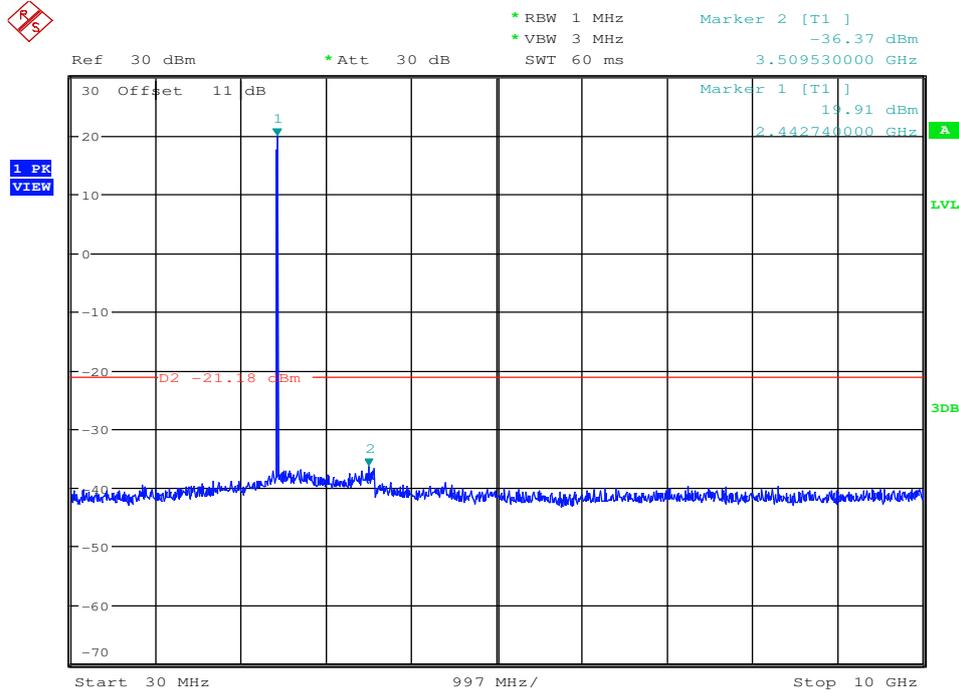
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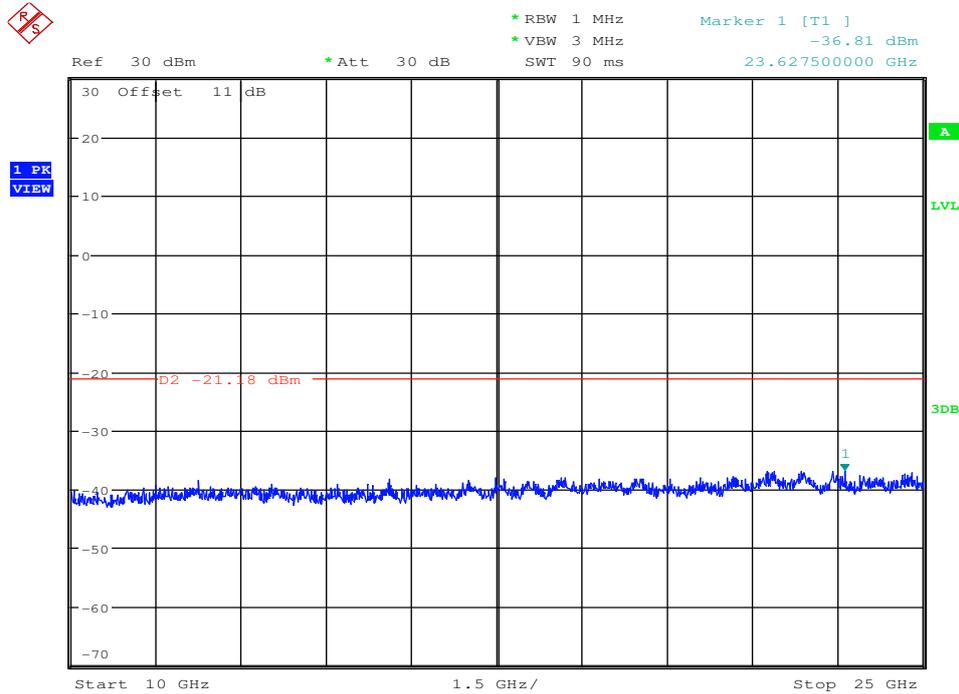
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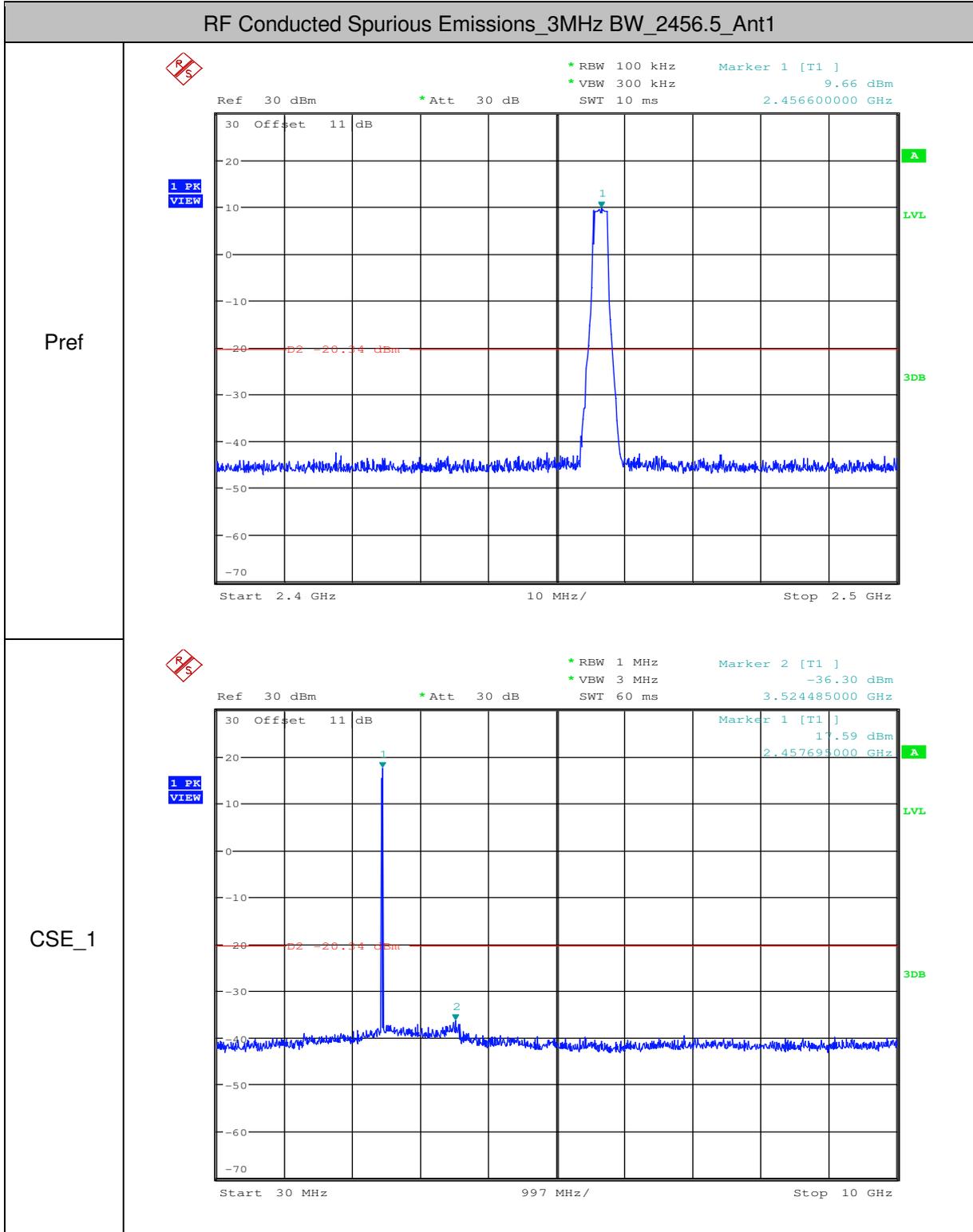


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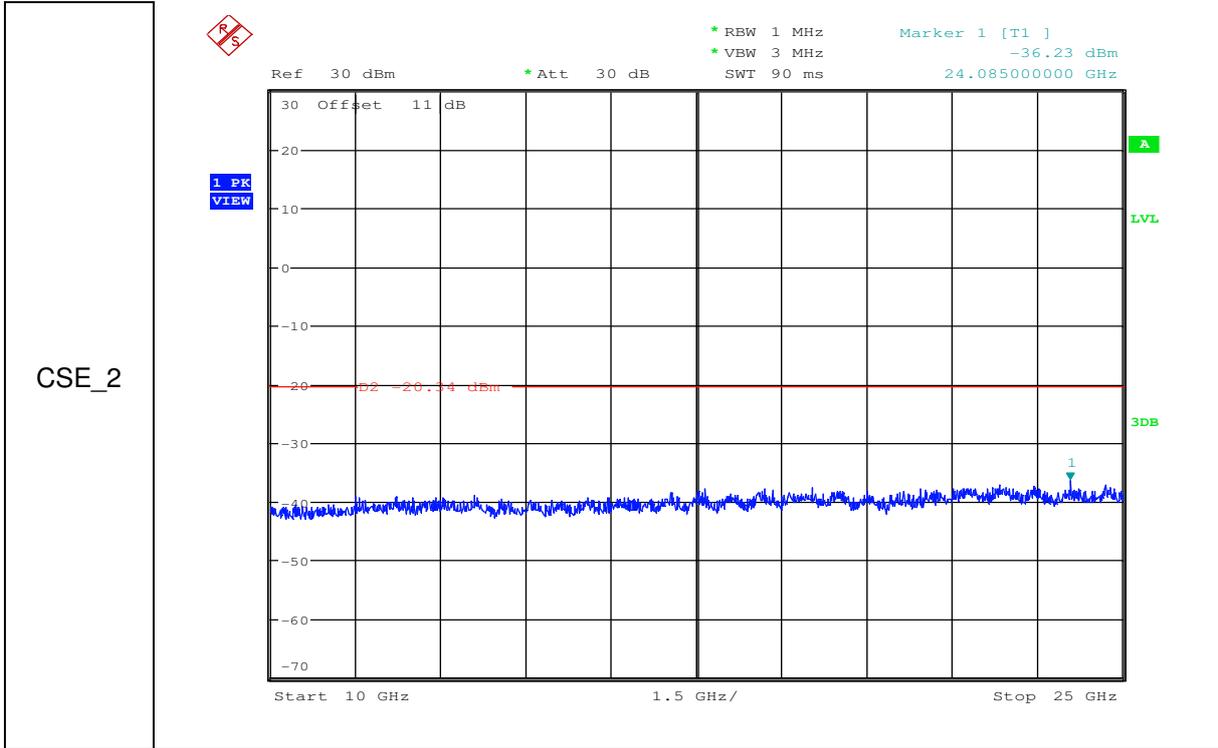
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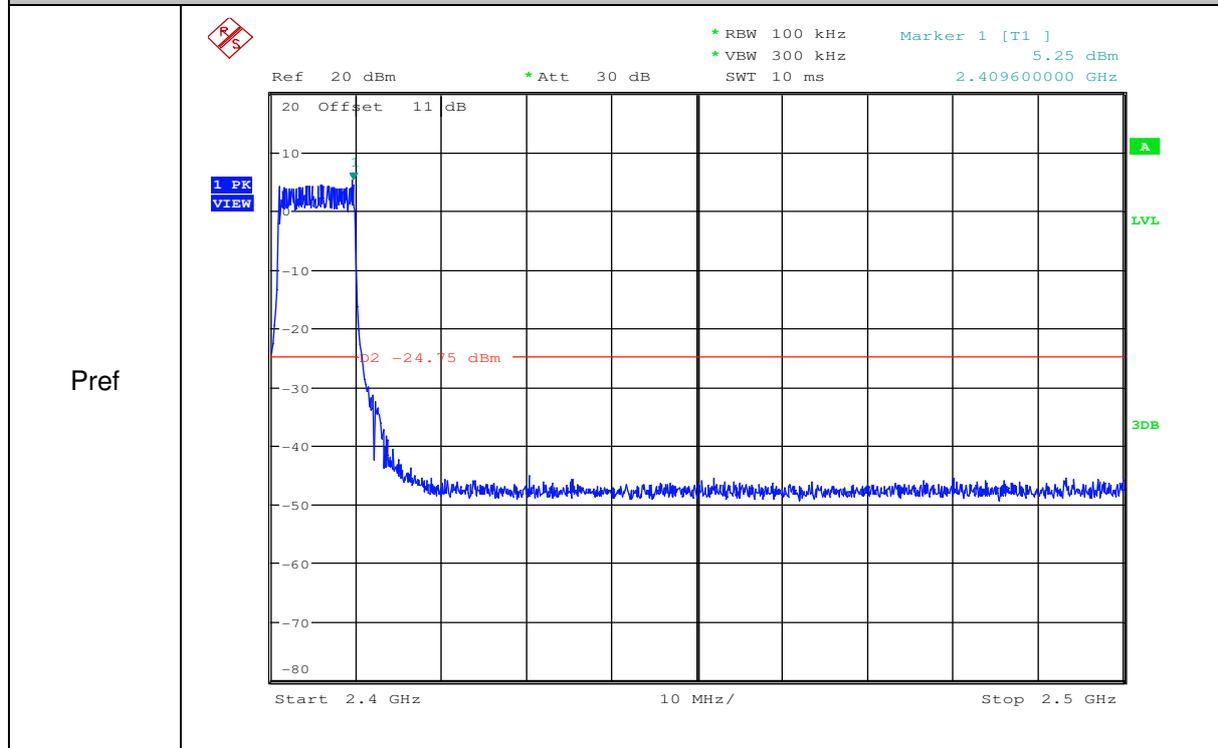


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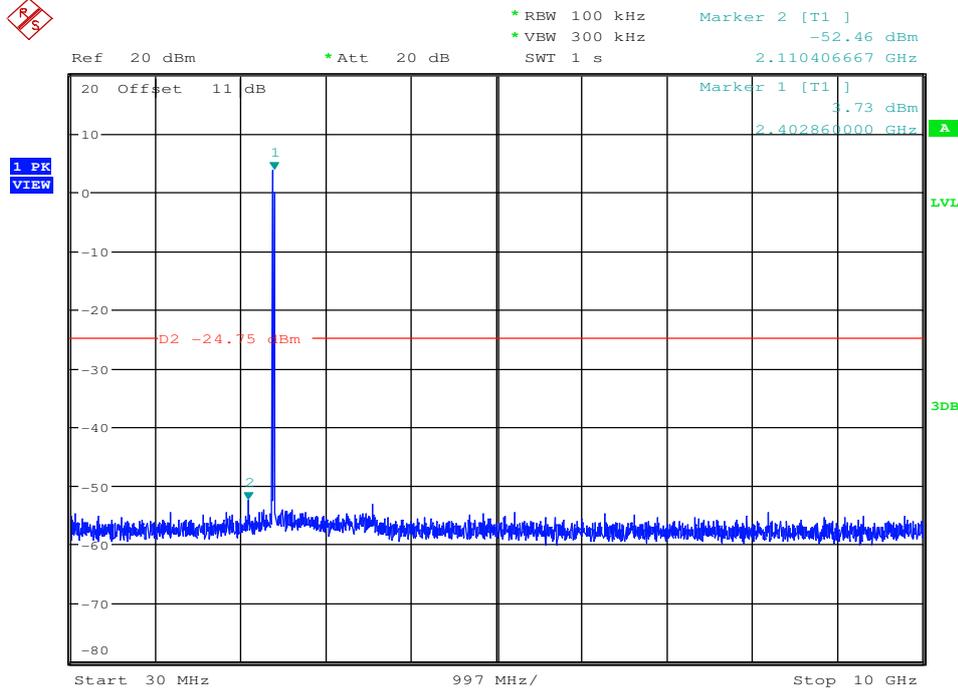
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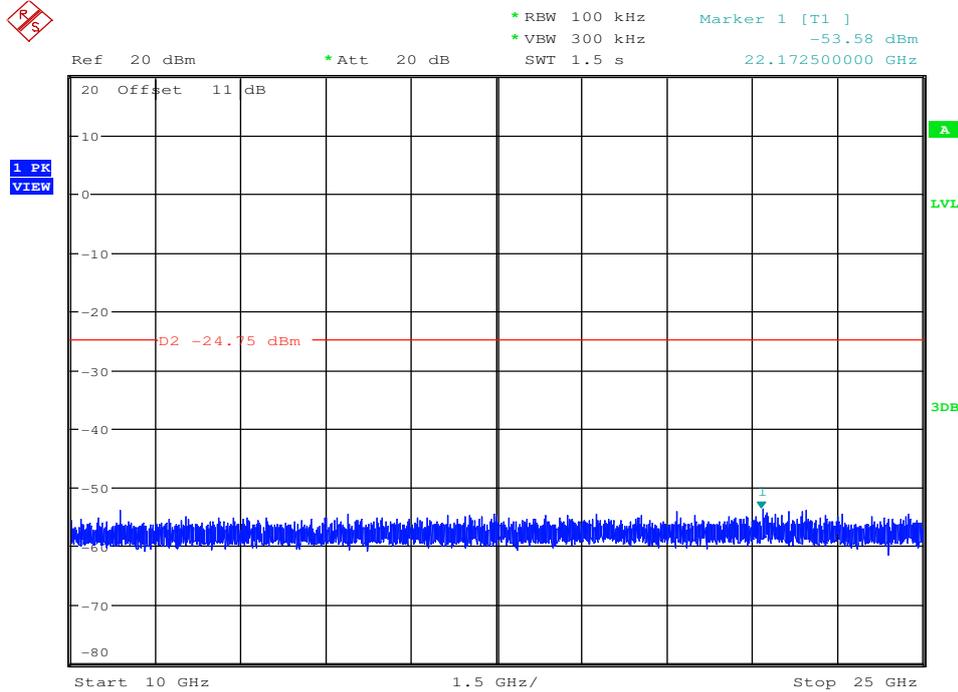
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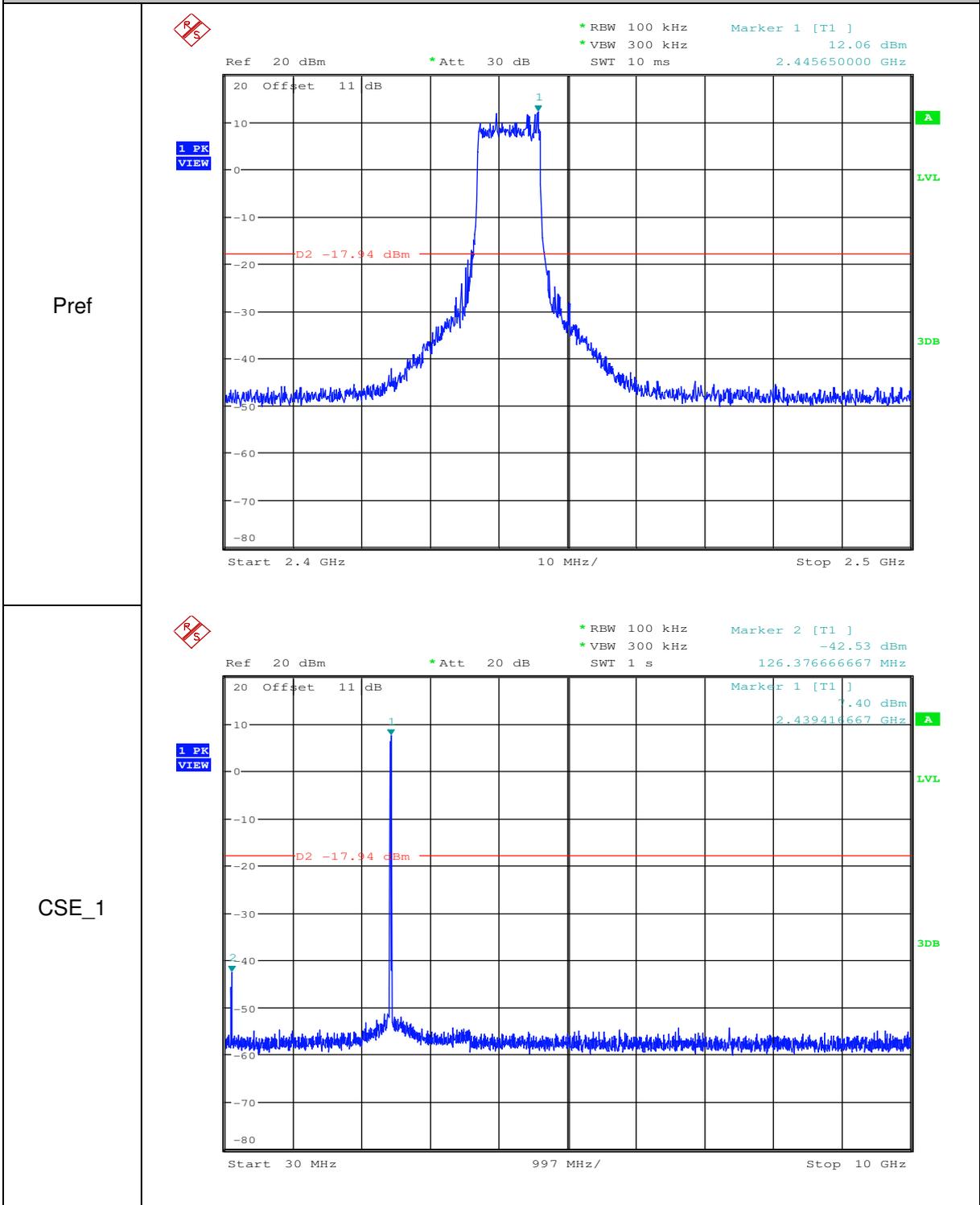
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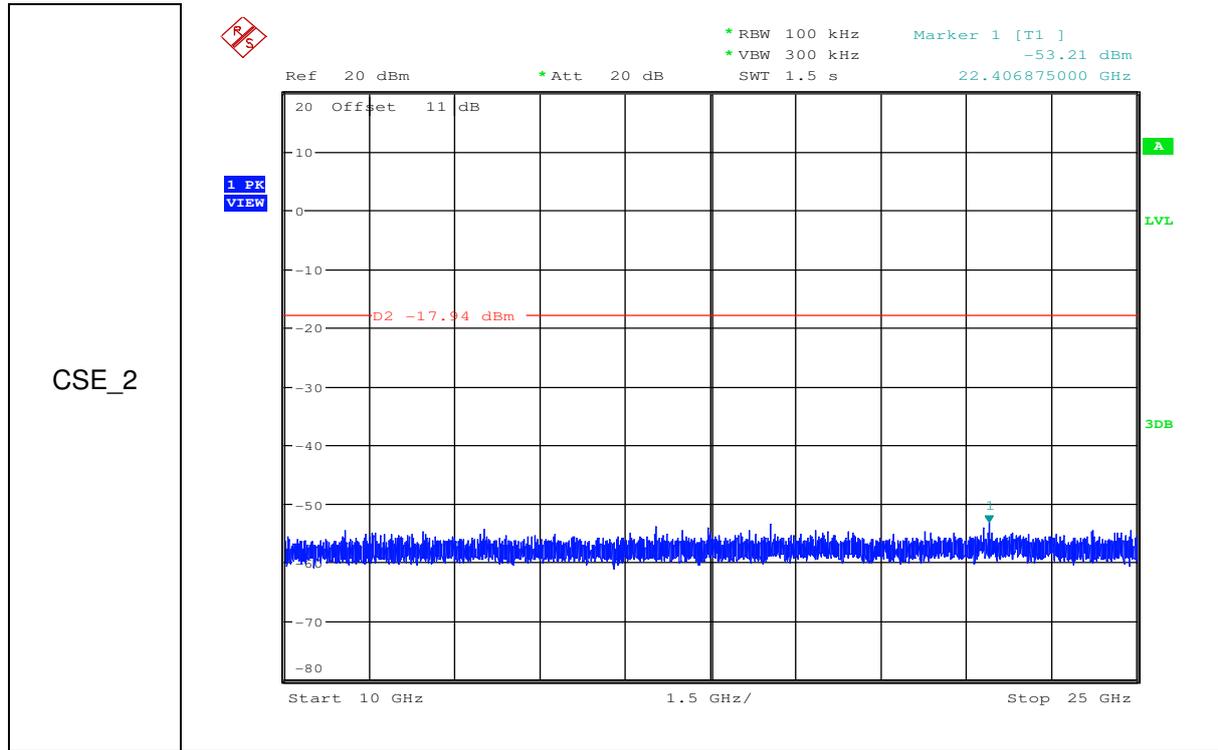
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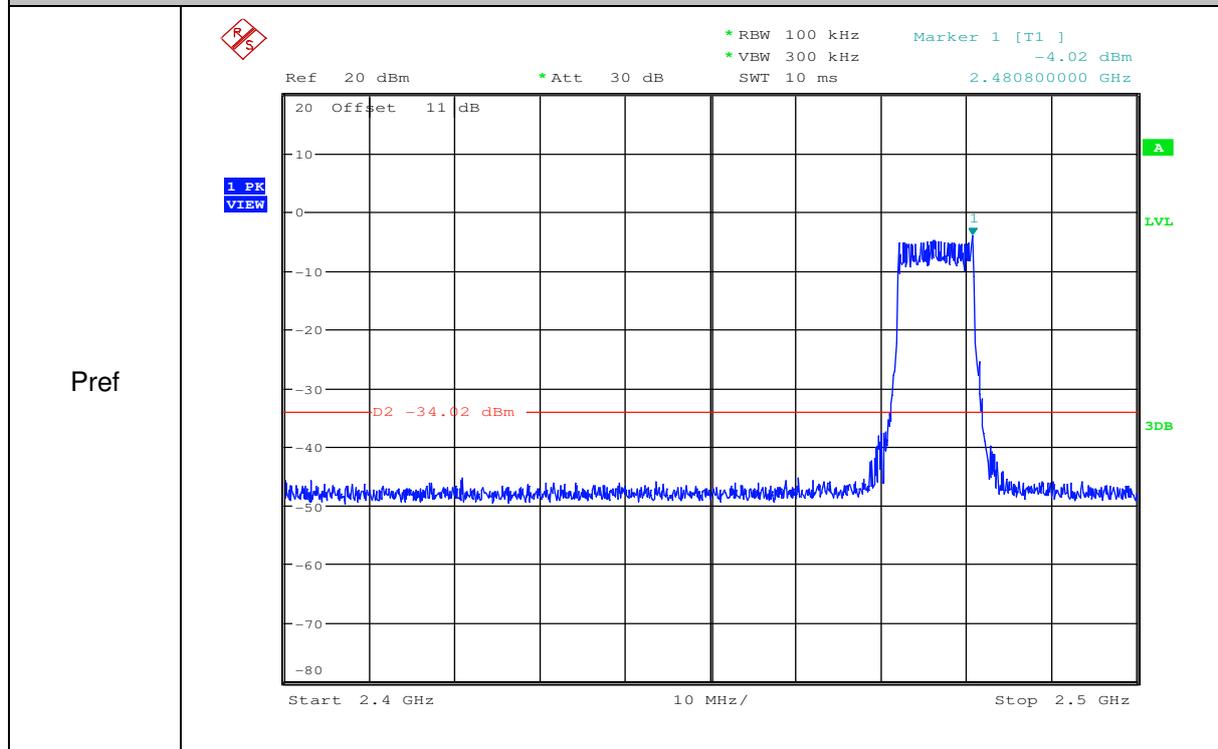


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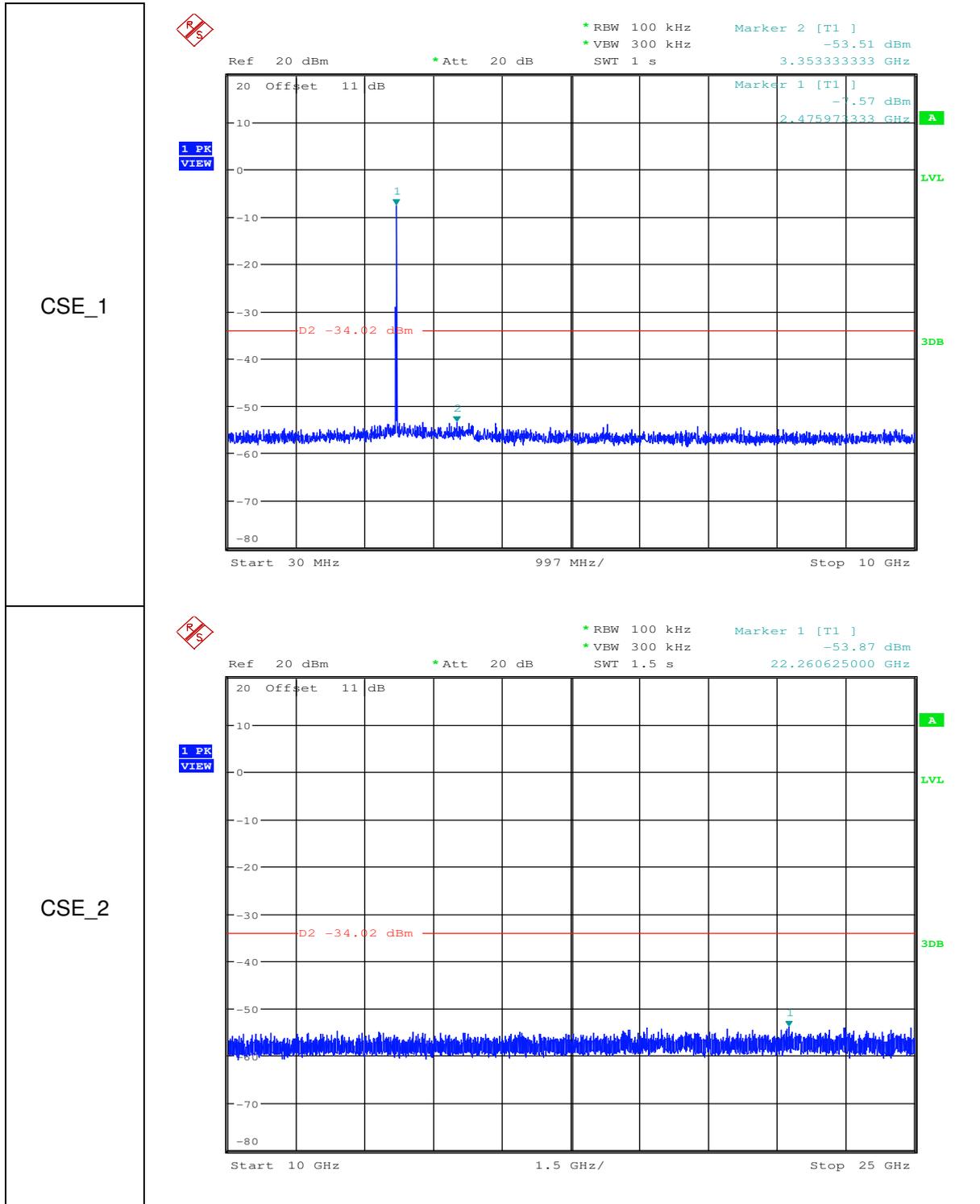
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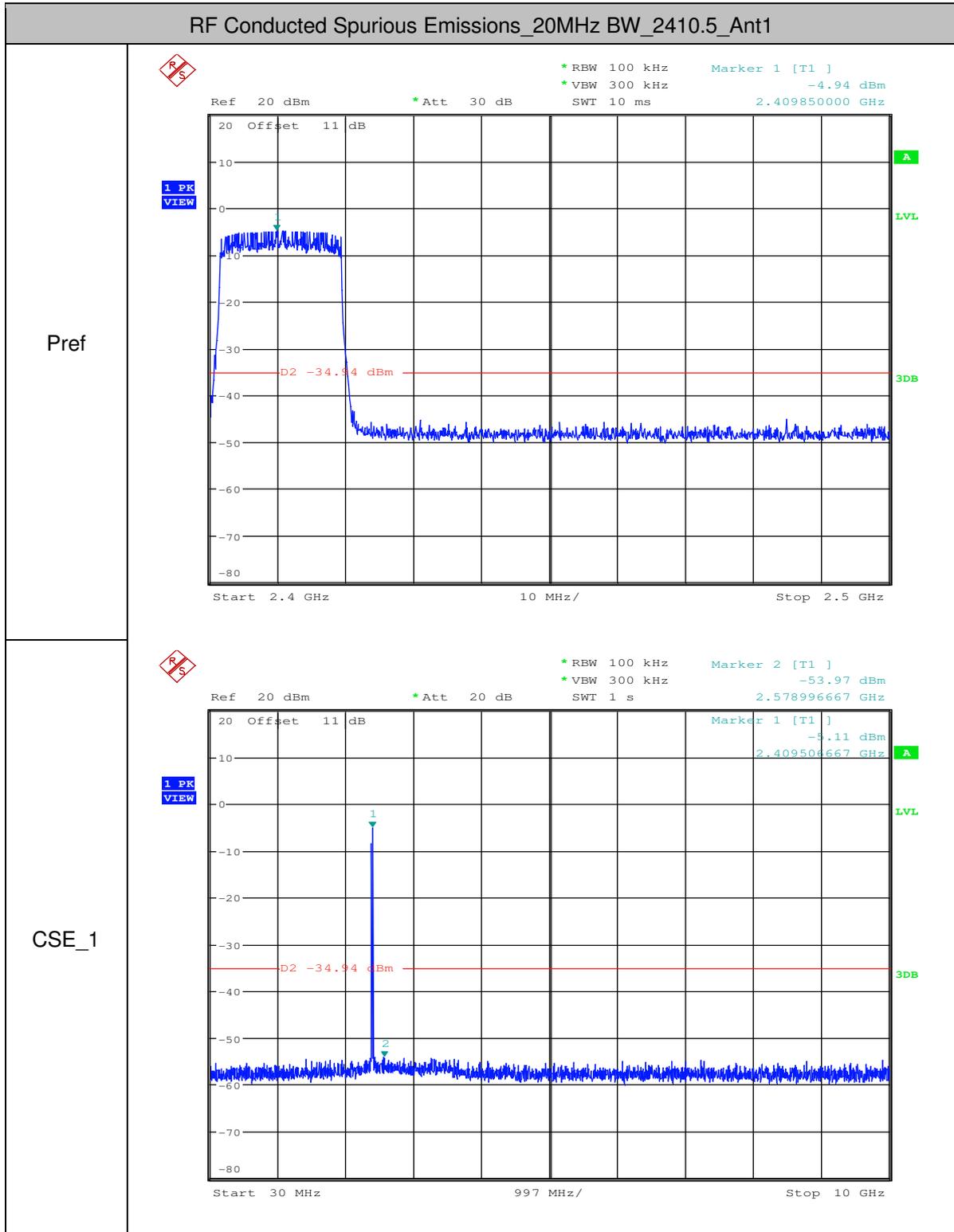


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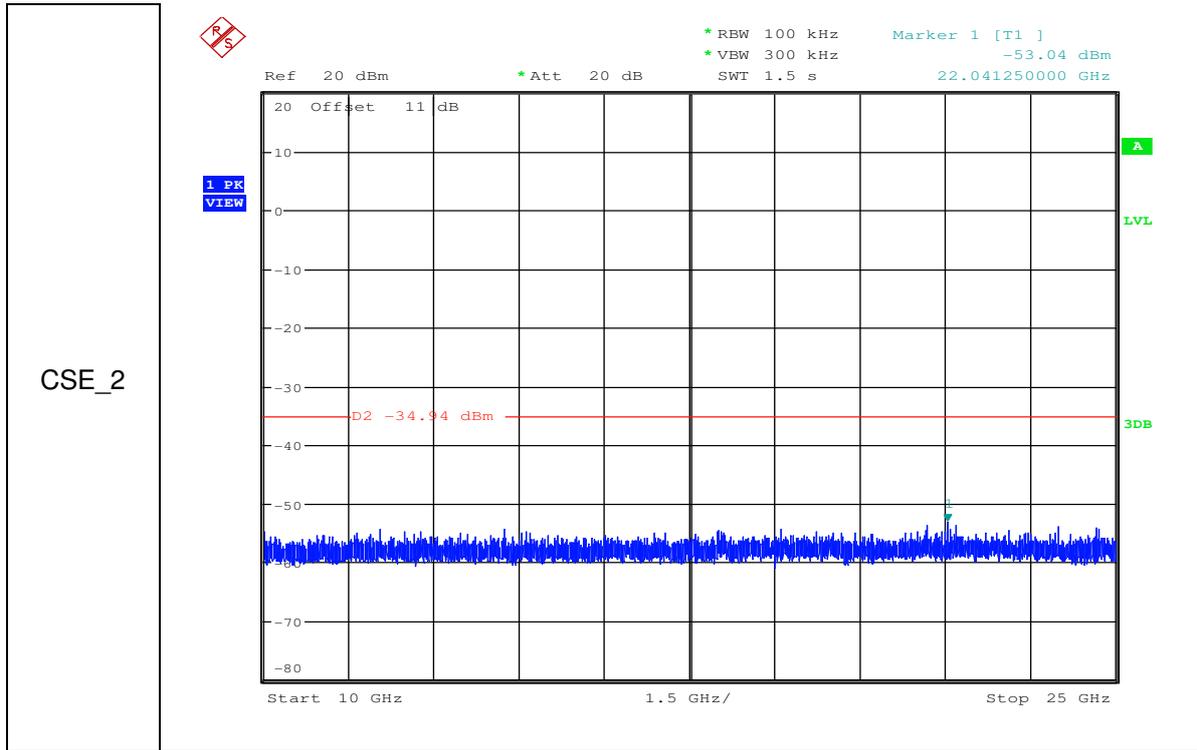
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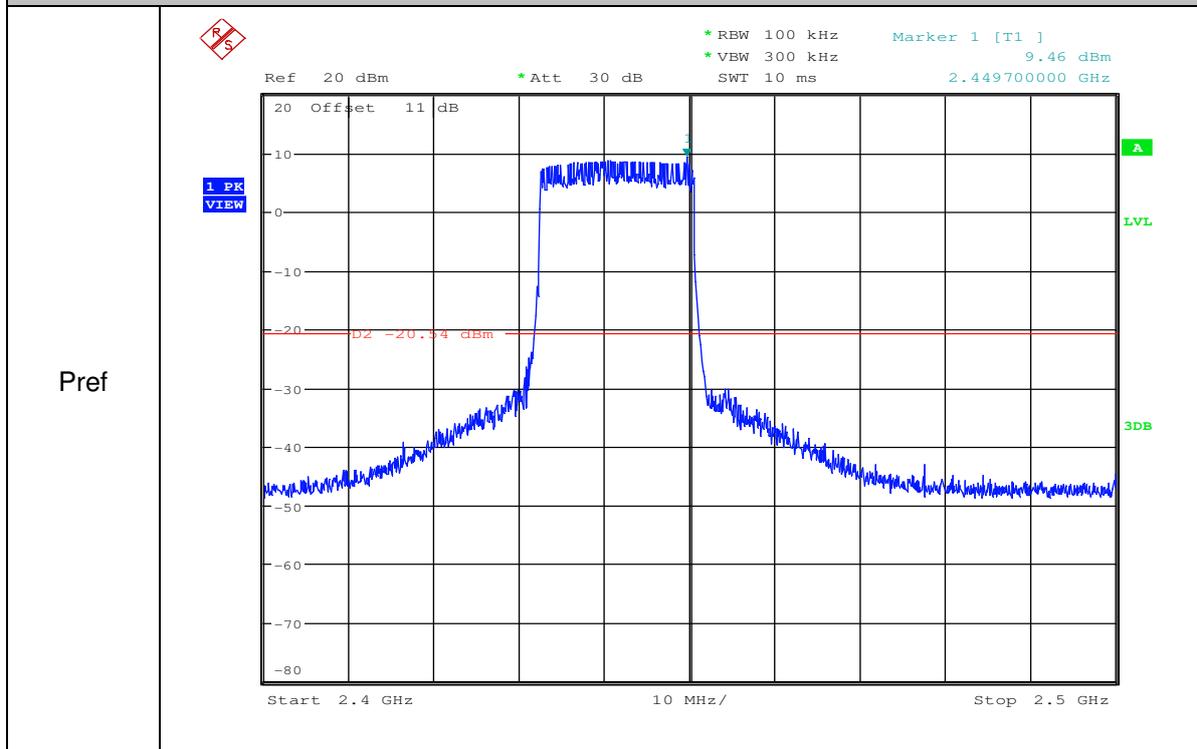


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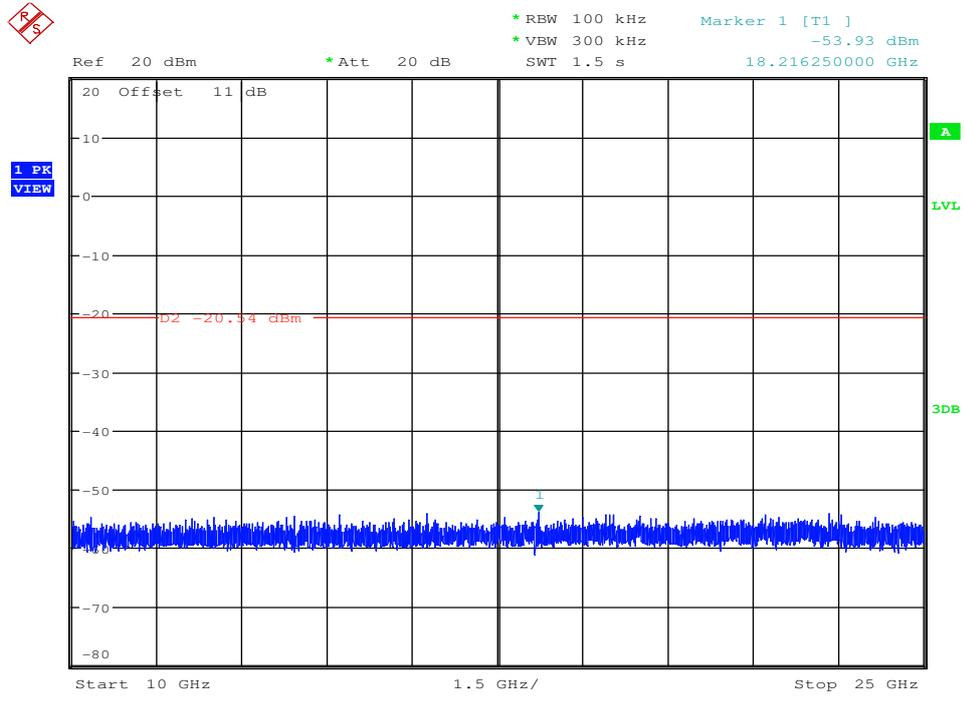
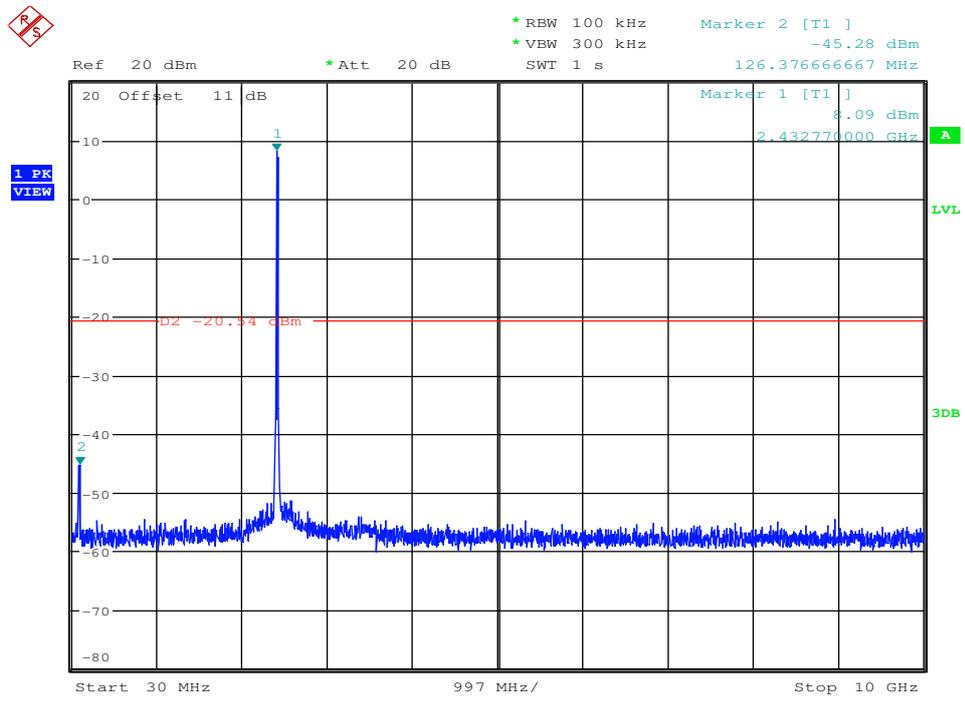


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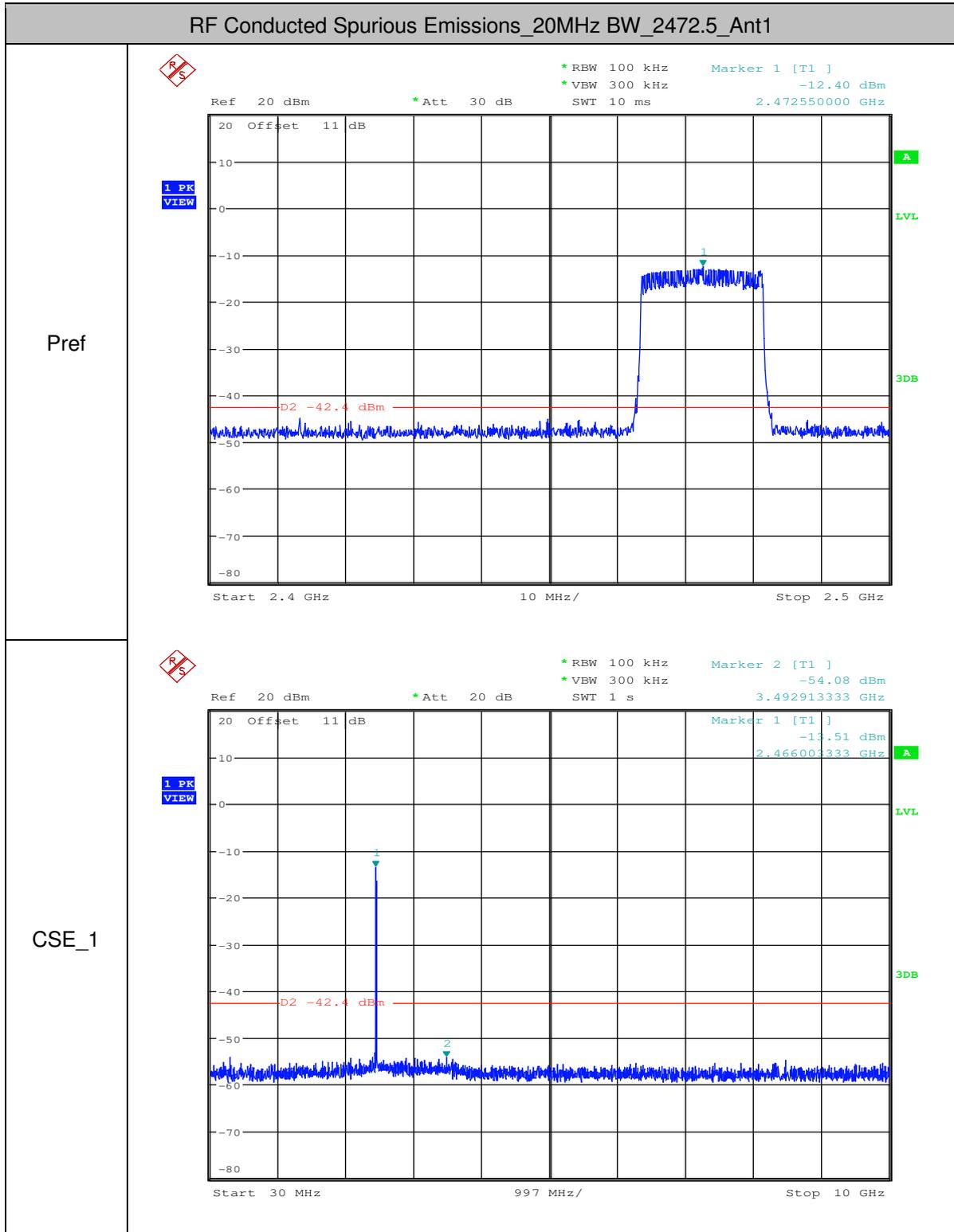
CSE_1

CSE_2



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