Report No.: SZEM191202106602
Page: 1 of 250

TEST REPORT

Application No.:	SZEM1912021066CR
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:	C5
Model No.:	RC231
Trade mark:	DJI
FCC ID:	SS3-RC2311911
IC:	11805A-RC2311911
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 2020-01-04
Date of Issue:	2020-01-06
Test Result:	**Pass***

* 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		2020-01-06		Original

Authorized for issue by:				
		Calvin Weng /Project Engineer		
		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**
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247 RSS-247 Issue 2	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 RSS-Gen Section 8.8	Pass
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 Spectral 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

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4 General Information

4.1 Details of E.U.T.

Power Supply:	DC3.6V by Li-polymer battery(2500mAh*2)
Cable:	USB type C to C cable: 13cm unshielded cable without ferrite core USB type C to lightening cable: 13cm unshielded cable without ferrite core USB type C to Micro USB cable: 13cm unshielded cable without ferrite core 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:	3dBi

Channel List 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

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

Channel List for 1.4MHz CA BW

CH No.	Fre. (MHz)	CH No.	Fre. (MHz)	CH No.	Fre. (MHz)
1 [a b c]	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 [a b c]	2443.12	28	2463.12
9	2425.12	19	2445.12	29	2465.12
10	2427.12	20	2447.12	30 [a b c]	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 for 3MHz BW

CH No.	Fre. (MHz)	CH No.	Fre. (MHz)	CH No.	Fre. (MHz)
1 [a b c]	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 [a b c]	2441.5	14 [a b c]	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 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 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

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4.2 Description of Support Units

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	± 7.25 x 10^{-8}
2	Duty cycle	± 0.37%
3	Occupied Bandwidth	± 3%
4	Conduction emission	± 3.0dB (150kHz to 30MHz)
5	RF conducted power	± 0.75dB
6	RF power density	± 2.84dB
7	Conducted Spurious emissions	± 0.75dB
8	Radiated Spurious emission test	± 4.5dB (Below 1GHz)
		± 4.8dB (Above 1GHz)
9	Temperature test	± 1℃
10	Humidity test	± 3%
11	Supply voltages	± 1.5%
12	Time	± 3%

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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

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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2019-06-13	2022-06-12
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2019-07-11	2020-07-10
LISN	Rohde & Schwarz	ENV216	SEM007-01	2019-09-24	2020-09-23
LISN	ETS-LINDGREN	3816/2	SEM007-02	2019-04-01	2020-03-31
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2019-04-01	2020-03-31

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

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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
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
Power Sensor	KEYSIGHT	U2021XA	SEM009-13	2019-04-12	2020-04-11
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 Spectral 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

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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 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	AgilentTechnologies 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

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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

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	AgilentTechnologies 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

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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**
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 3dBi.

Antenna location: Refer to Internal photos.

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7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207; RSS-Gen Section 8.8

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency.		

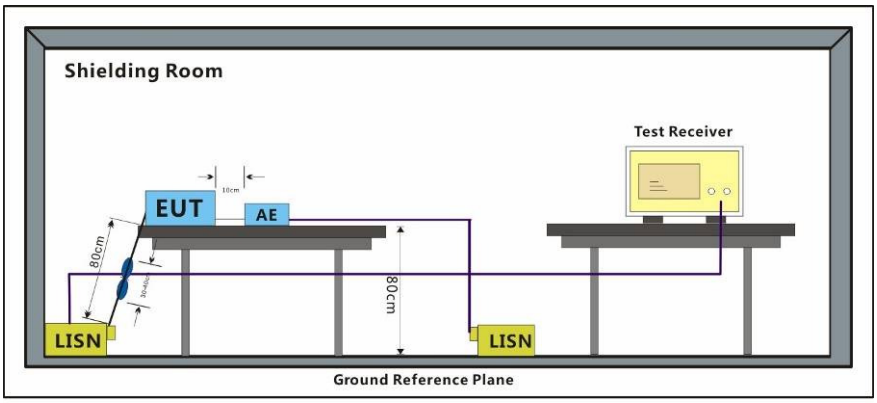
7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.6 °C Humidity: 52.8 % RH Atmospheric Pressure: 1015 mbar

Test mode b:Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with modulation.

7.1.2 Test Setup Diagram



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7.1.3 Measurement Procedure and Data

1) The mains terminal disturbance voltage test was conducted in a shielded room.

2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor

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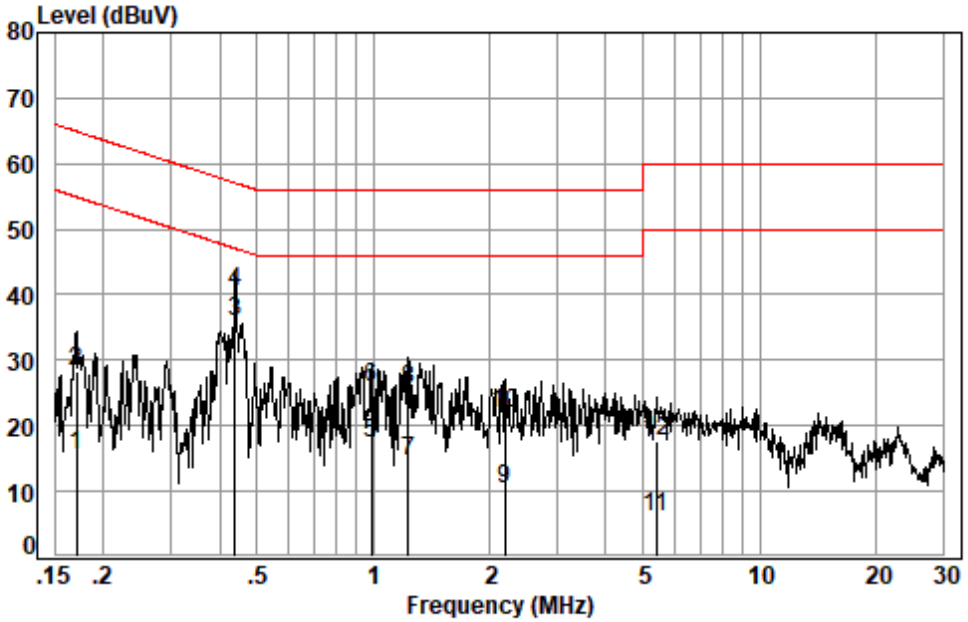
Mode:b; Line:Live Line



Site : Shielding Room
Condition: Line
Job No. : 21066CR
Test mode: b

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1703	0.02	9.59	5.95	15.56	54.94	-39.38	Average
2	0.1703	0.02	9.59	18.76	28.37	64.94	-36.57	QP
3	0.4397	0.06	9.59	26.34	35.99	47.07	-11.08	Average
4	0.4397	0.06	9.59	30.93	40.58	57.07	-16.49	QP
5	0.9891	0.09	9.60	7.64	17.33	46.00	-28.67	Average
6	0.9891	0.09	9.60	16.17	25.86	56.00	-30.14	QP
7	1.2357	0.11	9.60	4.95	14.66	46.00	-31.34	Average
8	1.2357	0.11	9.60	15.86	25.57	56.00	-30.43	QP
9	2.1898	0.16	9.63	0.41	10.20	46.00	-35.80	Average
10	2.1898	0.16	9.63	12.07	21.86	56.00	-34.14	QP
11	5.4186	0.17	9.68	-3.80	6.05	50.00	-43.95	Average
12	5.4186	0.17	9.68	7.79	17.64	60.00	-42.36	QP

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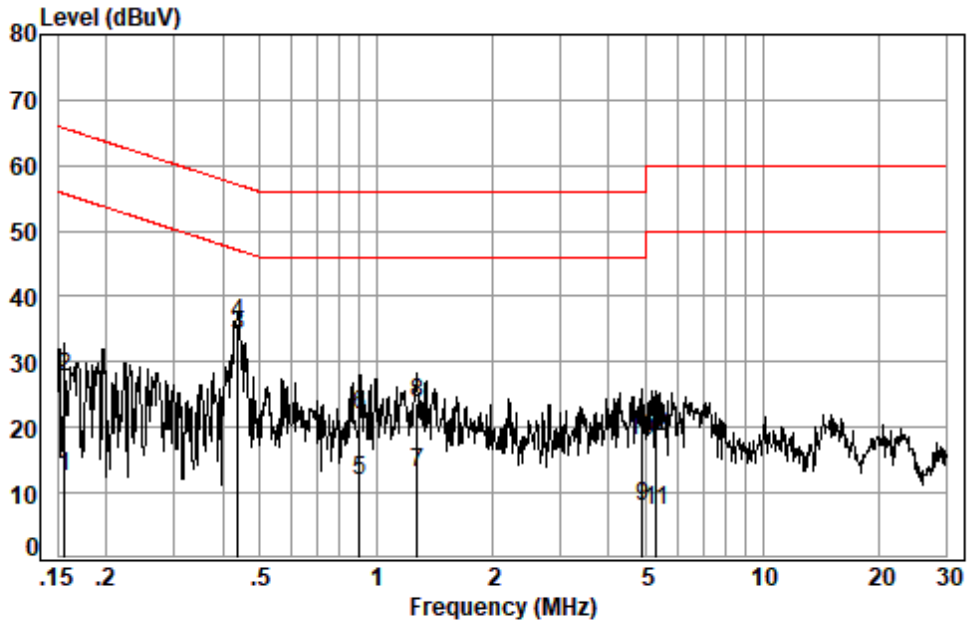
Mode:b; Line:Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 21066CR
Test mode: b

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1565	0.01	9.55	2.93	12.49	55.65	-43.16	Average
2	0.1565	0.01	9.55	18.15	27.71	65.65	-37.94	QP
3	0.4374	0.05	9.55	24.60	34.20	47.11	-12.91	Average
4	0.4374	0.05	9.55	26.31	35.91	57.11	-21.20	QP
5	0.9039	0.09	9.55	2.30	11.94	46.00	-34.06	Average
6	0.9039	0.09	9.55	12.22	21.86	56.00	-34.14	QP
7	1.2756	0.11	9.55	3.42	13.08	46.00	-32.92	Average
8	1.2756	0.11	9.55	13.92	23.58	56.00	-32.42	QP
9	4.8738	0.17	9.63	-1.85	7.95	46.00	-38.05	Average
10	4.8738	0.17	9.63	8.09	17.89	56.00	-38.11	QP
11	5.3050	0.17	9.64	-2.66	7.15	50.00	-42.85	Average
12	5.3050	0.17	9.64	8.79	18.60	60.00	-41.40	QP

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7.2 99% Bandwidth

Test Requirement RSS-Gen Section 6.7

Test Method: ANSI C63.10 Section 6.9.3

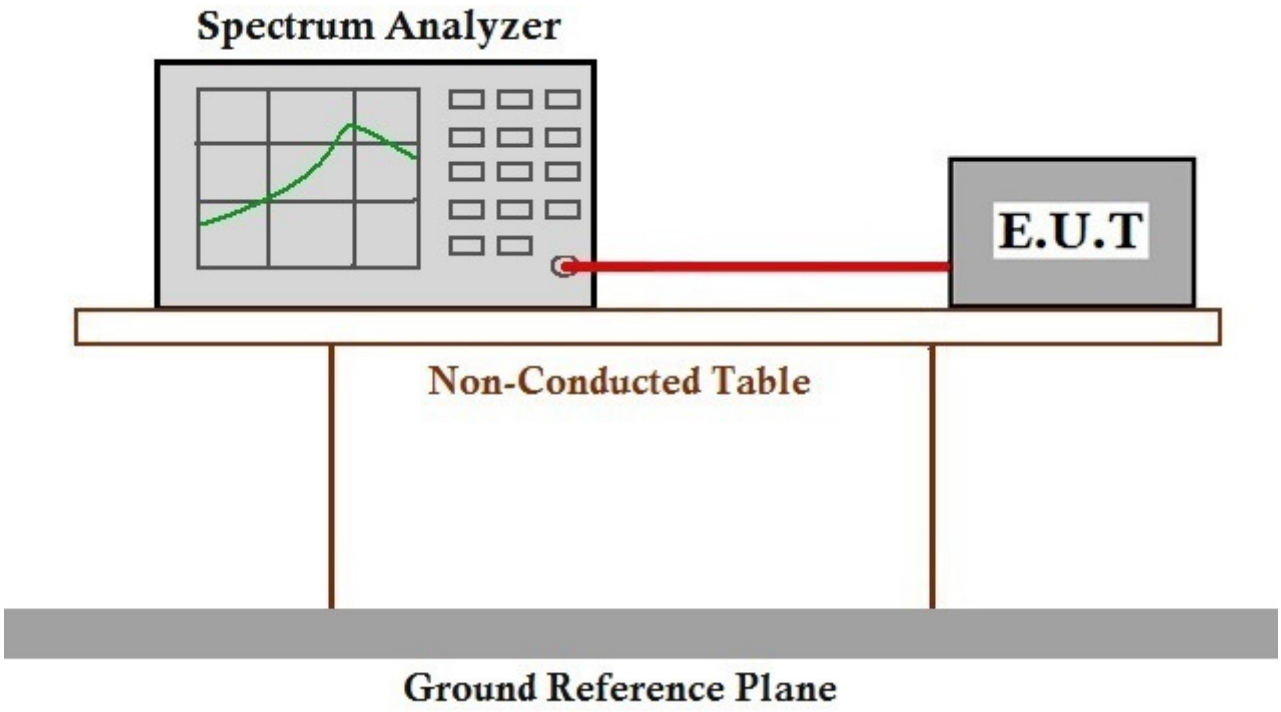
7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C Humidity: 43.9 % 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

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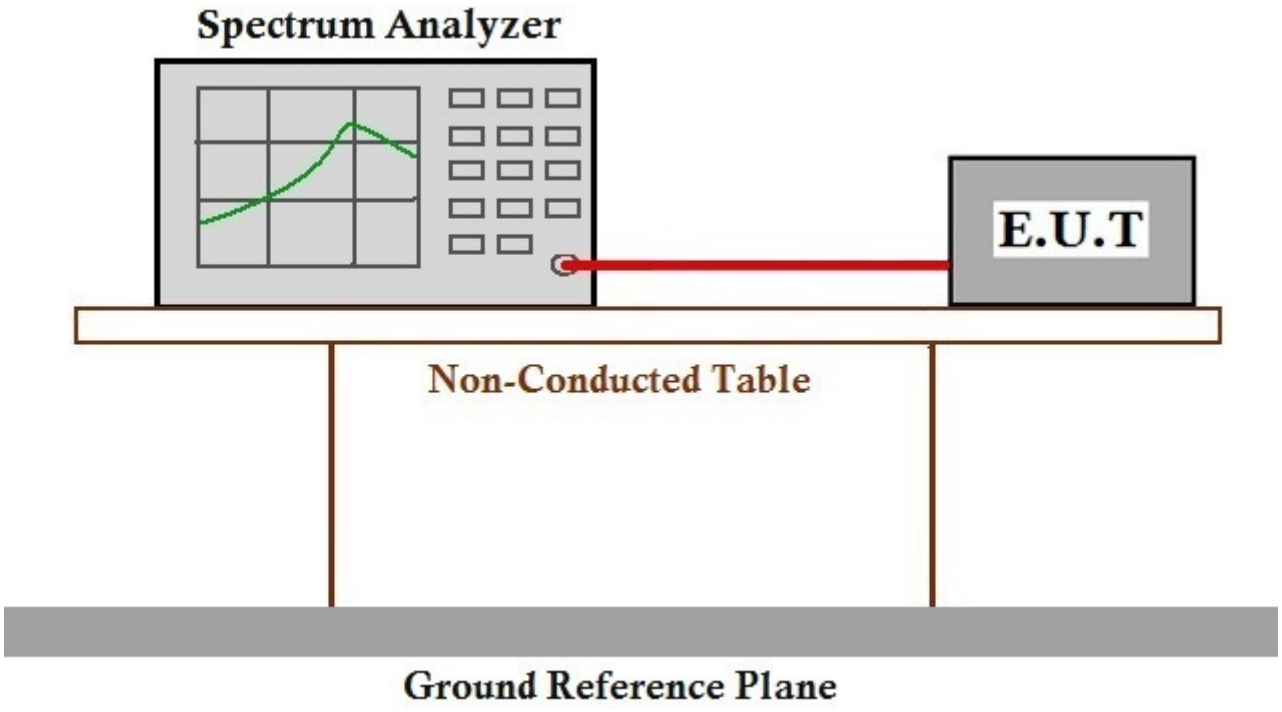
7.3 Minimum 6dB Bandwidth

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

7.3.1 E.U.T. Operation

Operating Environment:
Temperature: 23.4 °C Humidity: 43.9 % 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 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

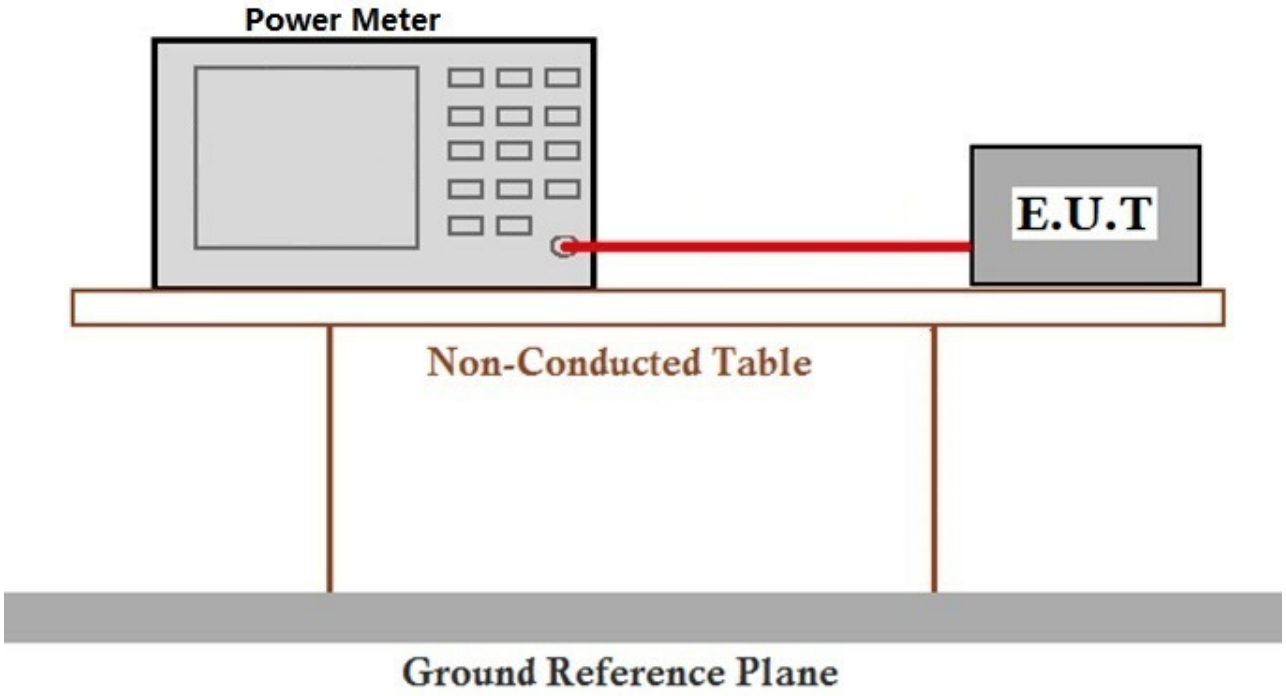
7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C Humidity: 43.9 % 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 Power Spectral 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

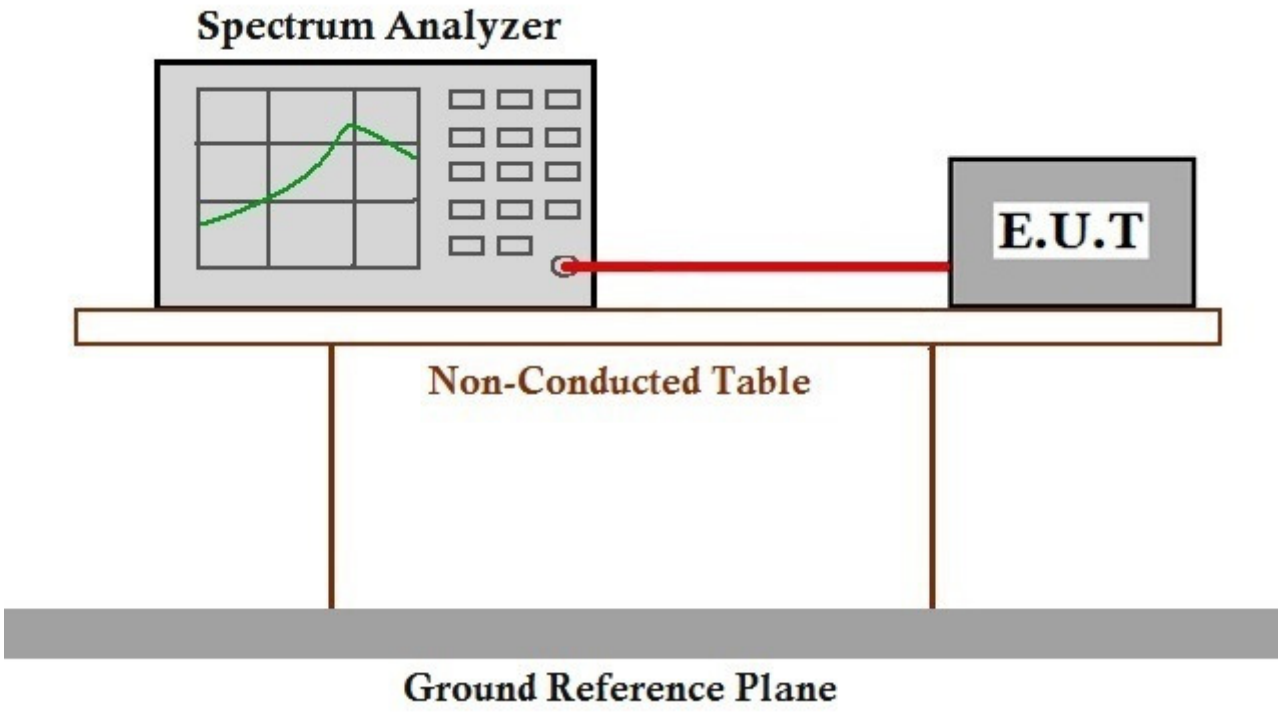
7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C Humidity: 43.9 % 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 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.

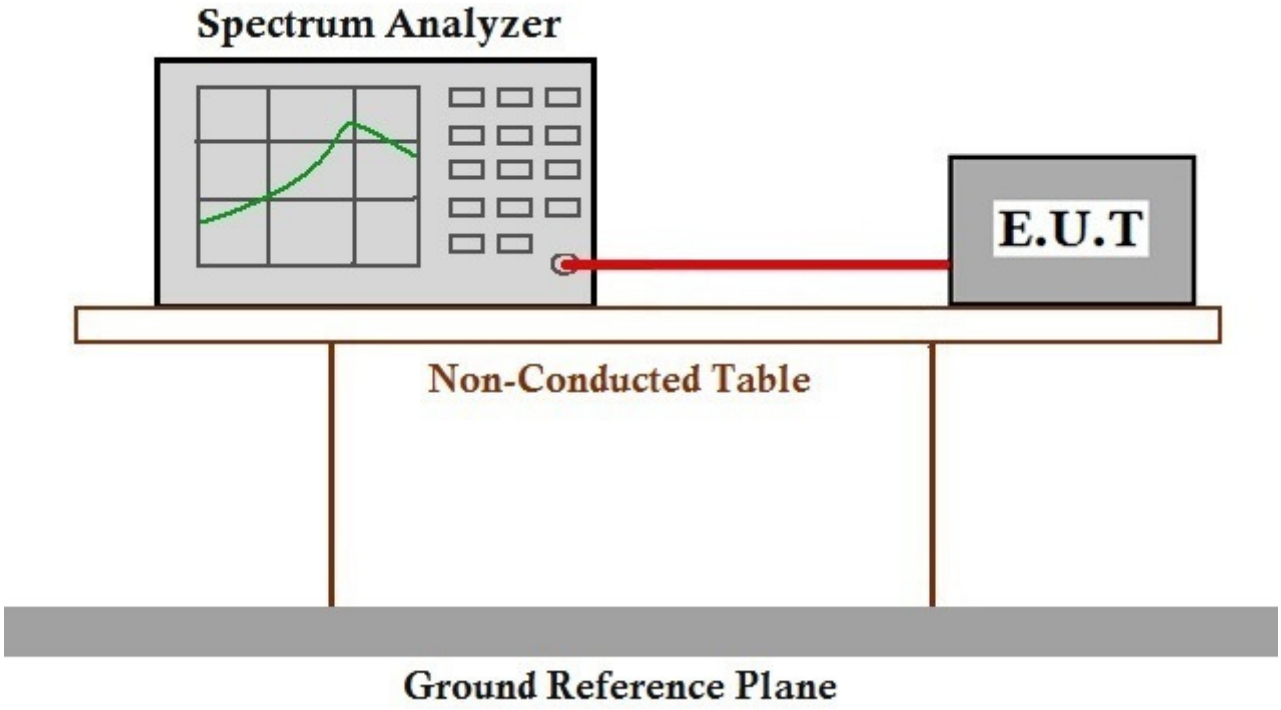
7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C Humidity: 43.9 % 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

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7.7 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.

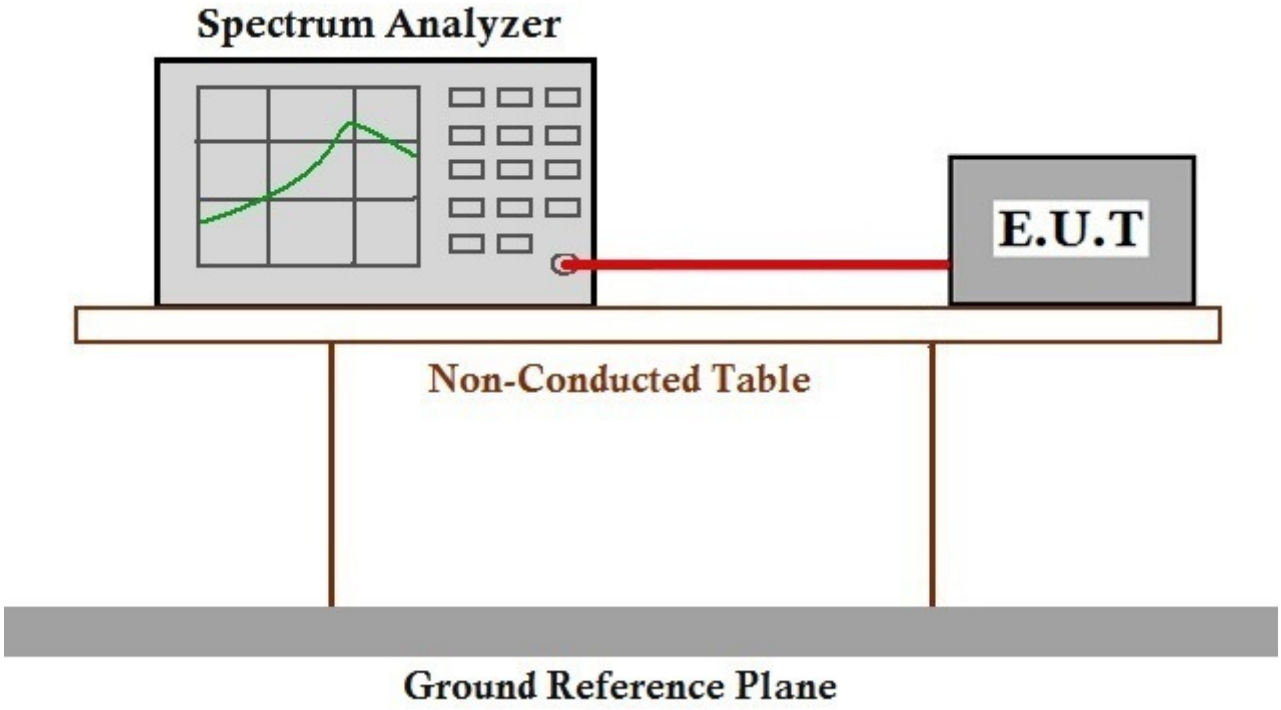
7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C Humidity: 43.9 % 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



7.7.3 Measurement Procedure and Data

The detailed test data see: Appendix RSS247

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7.8 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.

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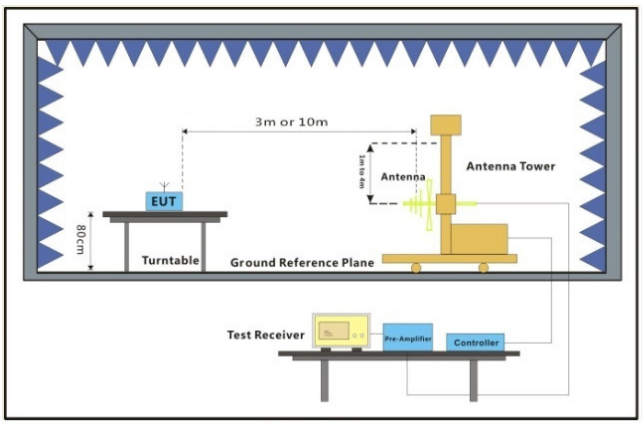
7.8.1 E.U.T. Operation

Operating Environment:

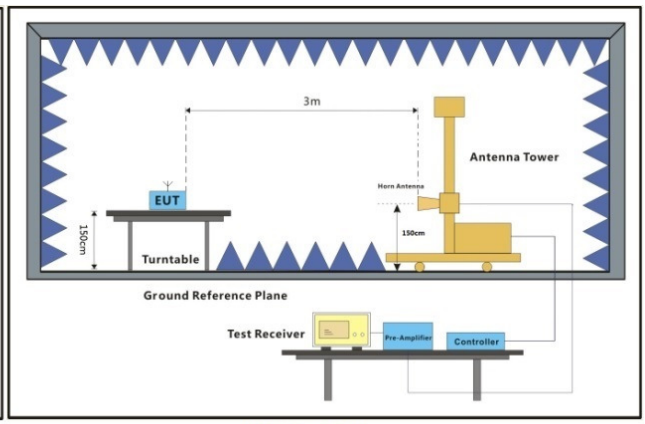
Temperature: 23 °C Humidity: 52 % RH Atmospheric Pressure: 1015 mbar

Pretest these modes to find the worst case:	a:TX mode_Keep the EUT in continuously transmitting mode with modulation b:Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with modulation.
The worst case for final test:	b:Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with modulation.

7.8.2 Test Setup Diagram



30MHz-1GHz



Above 1GHz

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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: 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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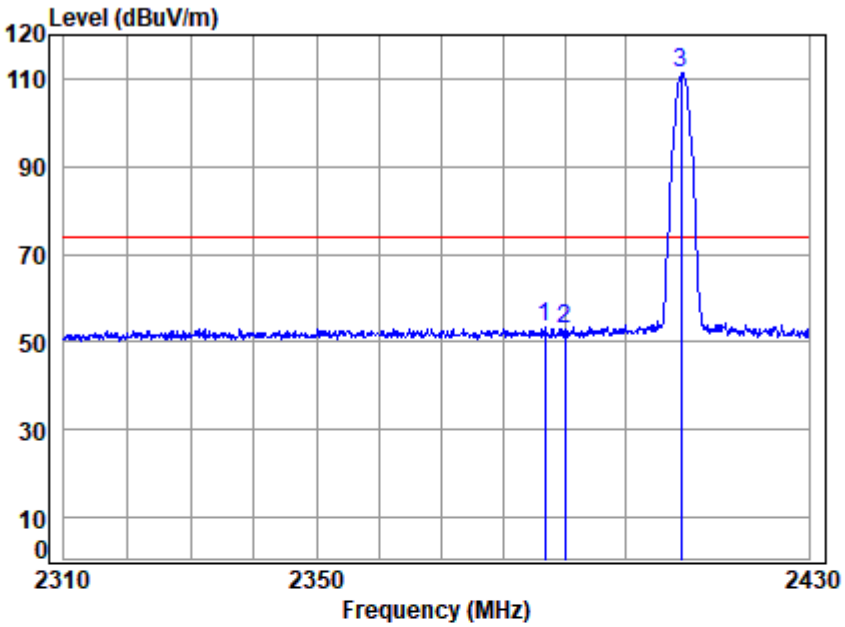
1.4MHz BW CA

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2386.823	5.47	28.51	40.97	60.25	53.26	74.00	-20.74	peak
2	2390.000	5.47	28.52	40.97	60.13	53.15	74.00	-20.85	peak
3 *	2408.925	5.50	28.55	40.98	118.28	111.35	74.00	37.35	Peak

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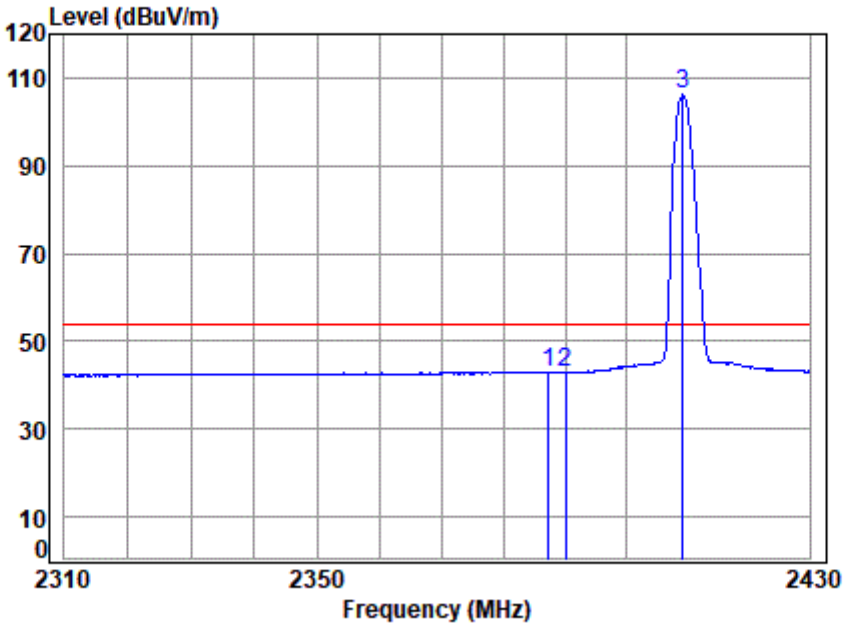
Mode:b; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2409.12MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2387.307	5.47	28.51	40.97	49.92	42.93	54.00	-11.07	Average
2	2390.000	5.47	28.52	40.97	49.80	42.82	54.00	-11.18	Average
3 *	2409.169	5.50	28.55	40.98	113.08	106.15	54.00	52.15	Average

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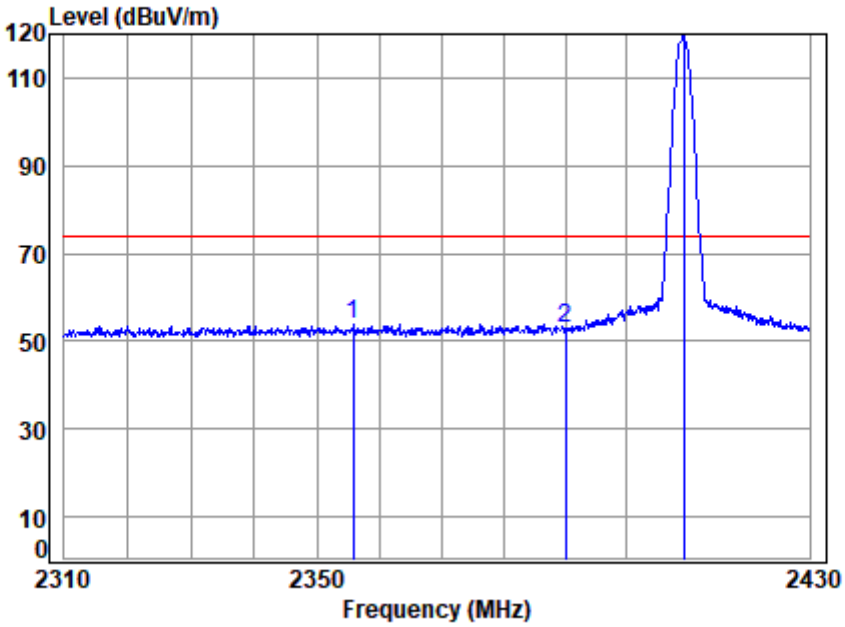
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2409.12MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2355.840	5.43	28.46	40.96	60.90	53.83	74.00	-20.17	Peak
2	2390.000	5.47	28.52	40.97	59.95	52.97	74.00	-21.03	Peak
3 *	2409.291	5.50	28.55	40.98	126.59	119.66	74.00	45.66	Peak

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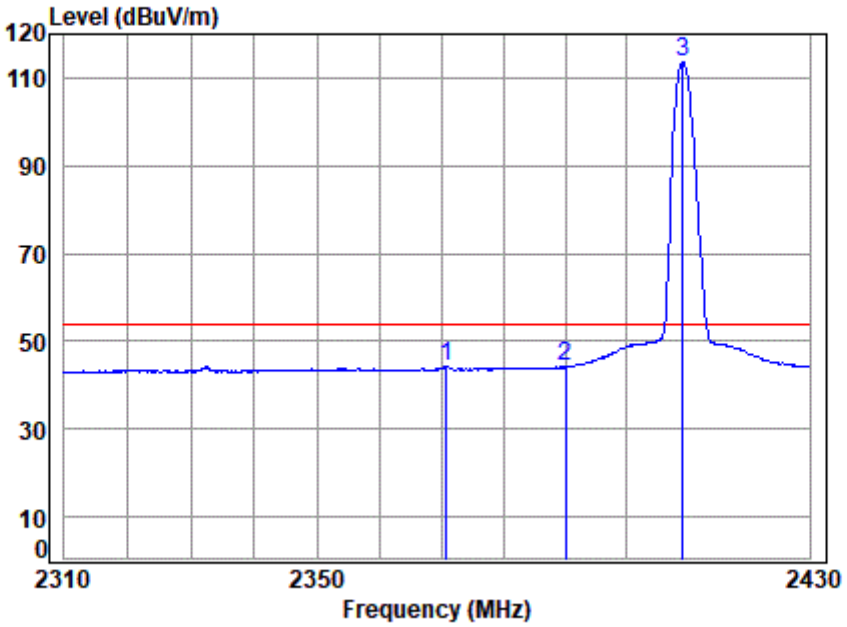
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2409.12MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2370.801	5.45	28.49	40.96	51.21	44.19	54.00	-9.81	Average
2	2390.000	5.47	28.52	40.97	51.04	44.06	54.00	-9.94	Average
3 *	2409.169	5.50	28.55	40.98	120.43	113.50	54.00	59.50	Average

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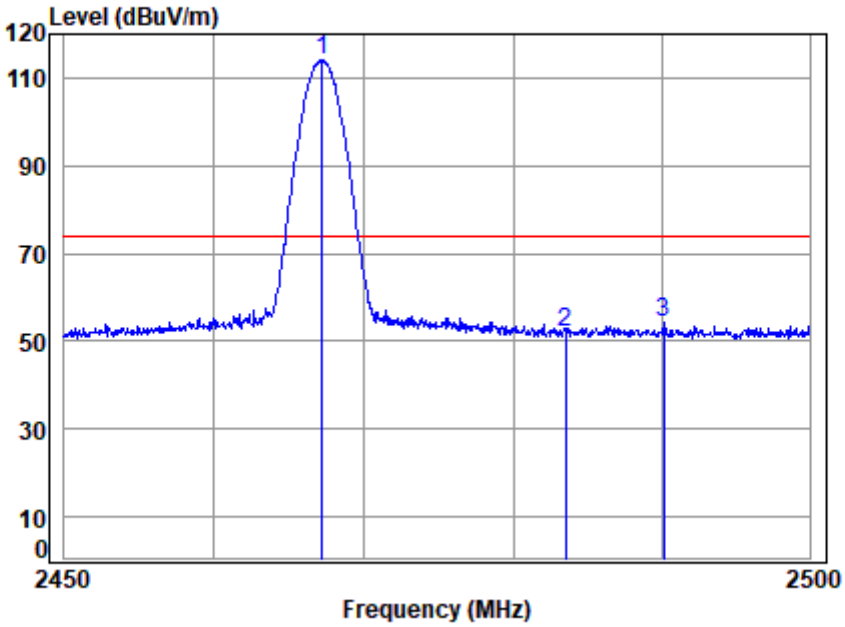
Mode:b; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2467.12MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2467.12 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 *	2467.186	5.58	28.65	41.00	120.72	113.95	74.00	39.95	Peak
2	2483.500	5.60	28.67	41.01	58.80	52.06	74.00	-21.94	peak
3	2490.120	5.61	28.68	41.01	60.85	54.13	74.00	-19.87	peak

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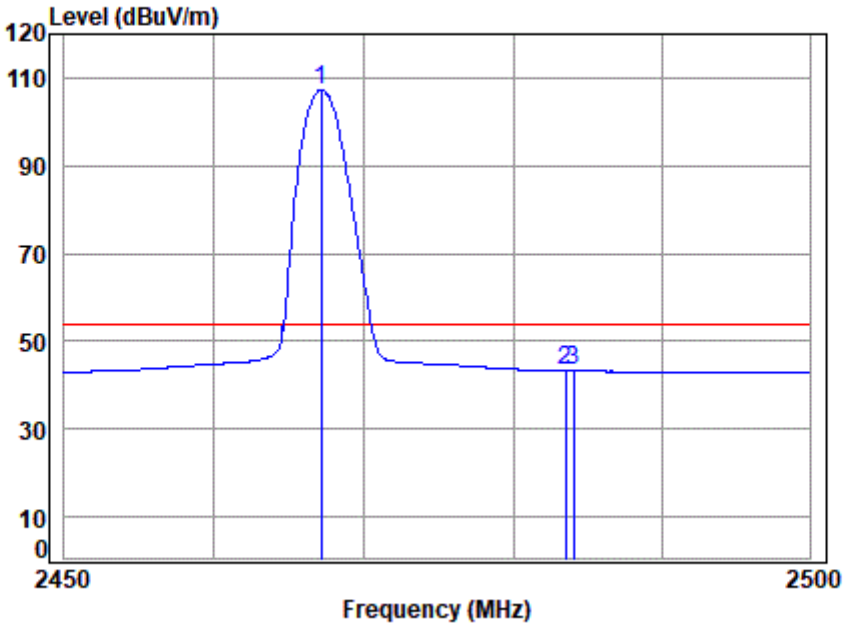
Mode:b; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2467.12MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2467.12 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 *	2467.136	5.58	28.65	41.00	113.97	107.20	54.00	53.20	Average
2	2483.500	5.60	28.67	41.01	49.99	43.25	54.00	-10.75	Average
3	2484.041	5.60	28.67	41.01	50.02	43.28	54.00	-10.72	Average

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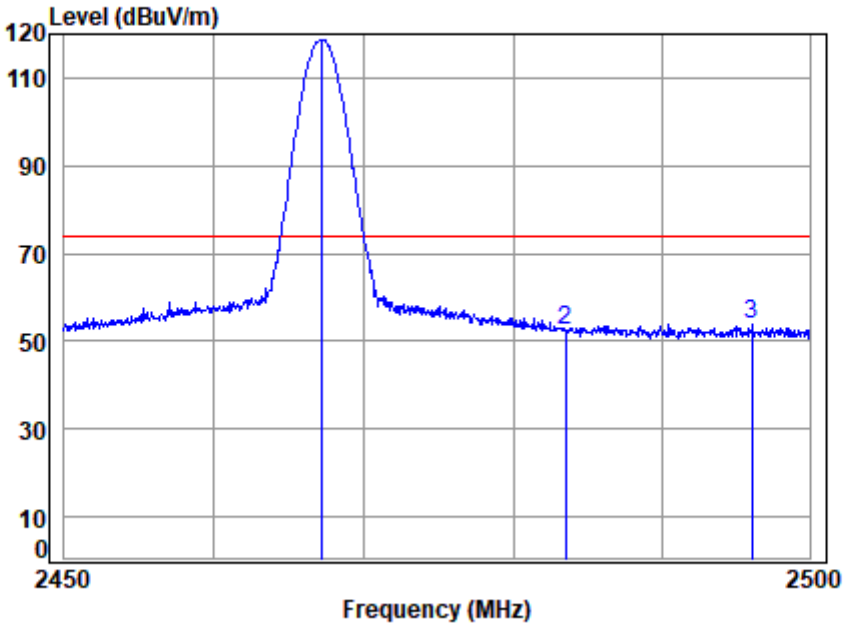
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2467.12MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2467.12 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 *	2467.186	5.58	28.65	41.00	125.46	118.69	74.00	44.69	Peak
2	2483.500	5.60	28.67	41.01	59.04	52.30	74.00	-21.70	peak
3	2496.114	5.61	28.69	41.02	60.69	53.97	74.00	-20.03	peak

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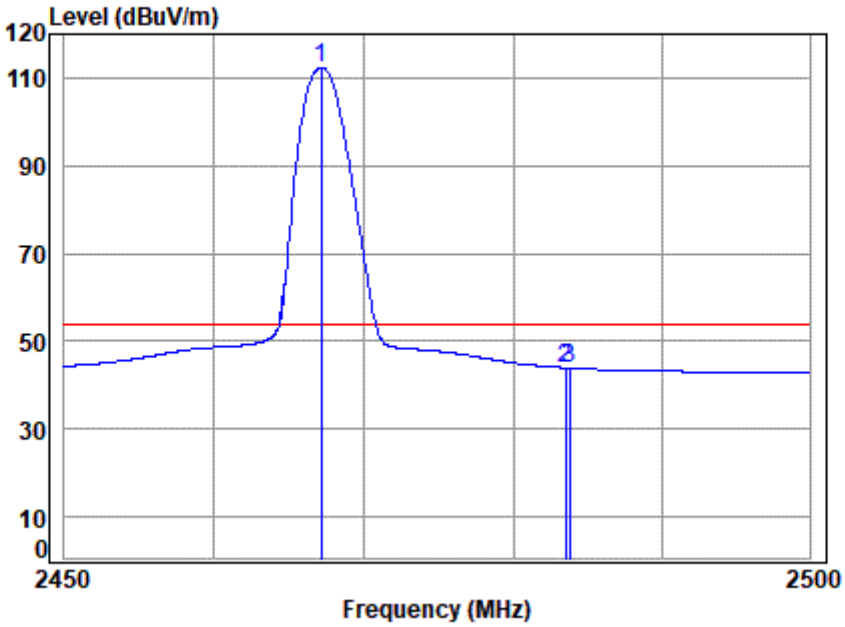
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2467.12MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2467.12 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 *	2467.136	5.58	28.65	41.00	119.23	112.46	54.00	58.46	Average
2	2483.500	5.60	28.67	41.01	50.72	43.98	54.00	-10.02	Average
3	2483.790	5.60	28.67	41.01	50.63	43.89	54.00	-10.11	Average

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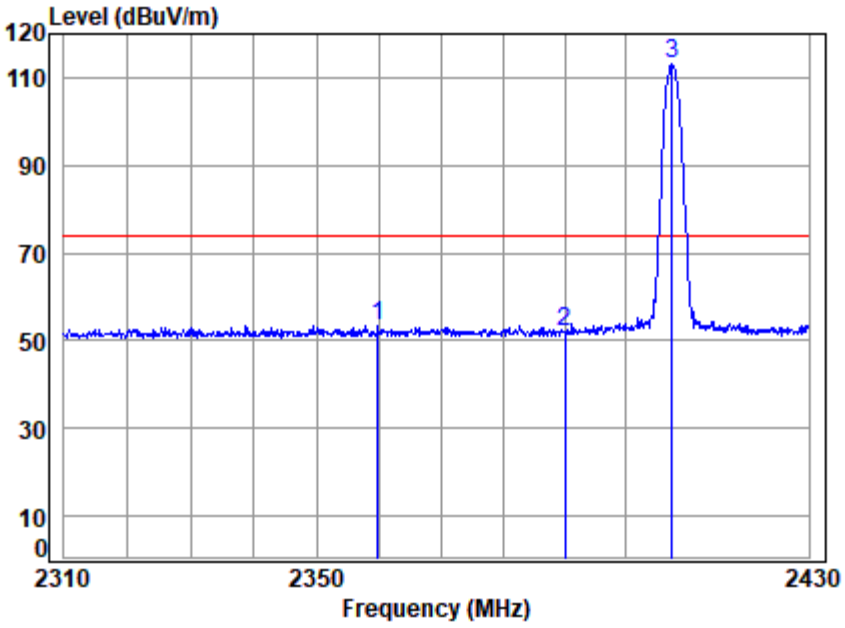
1.4MHz BW

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2359.780	5.43	28.47	40.96	60.67	53.61	74.00	-20.39	peak
2	2390.000	5.47	28.52	40.97	59.22	52.24	74.00	-21.76	peak
3 *	2407.461	5.50	28.55	40.98	120.21	113.28	74.00	39.28	Peak

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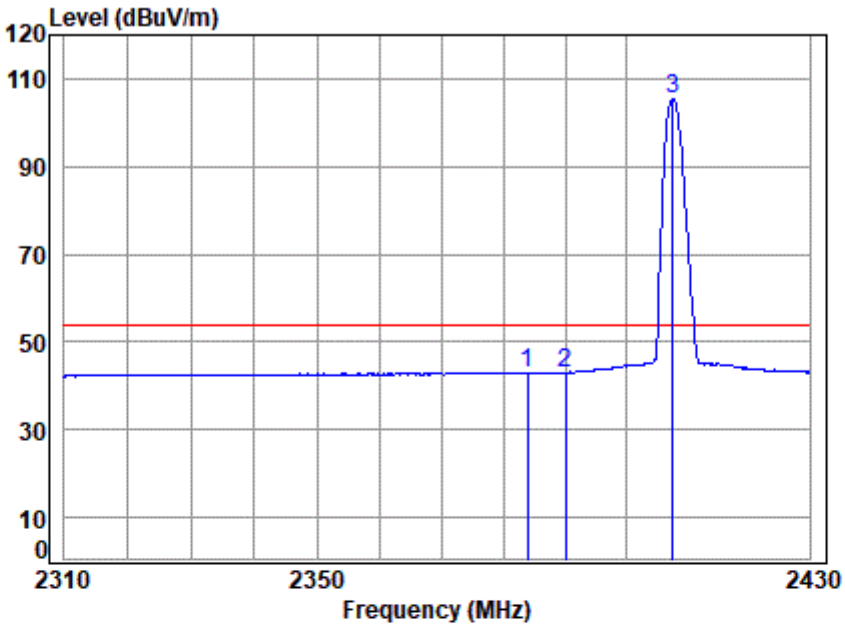
Mode:b; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2407.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2383.803	5.47	28.51	40.97	50.10	43.11	54.00	-10.89	Average
2	2390.000	5.47	28.52	40.97	49.93	42.95	54.00	-11.05	Average
3 *	2407.461	5.50	28.55	40.98	112.41	105.48	54.00	51.48	Average

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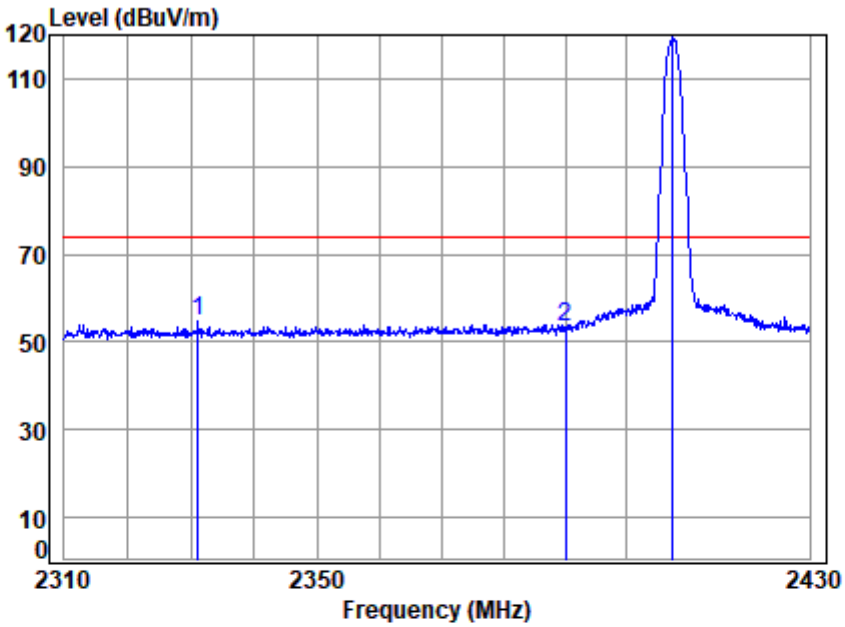
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2407.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2331.154	5.39	28.42	40.95	61.80	54.66	74.00	-19.34	Peak
2	2390.000	5.47	28.52	40.97	60.25	53.27	74.00	-20.73	Peak
3 *	2407.583	5.50	28.55	40.98	126.46	119.53	74.00	45.53	Peak

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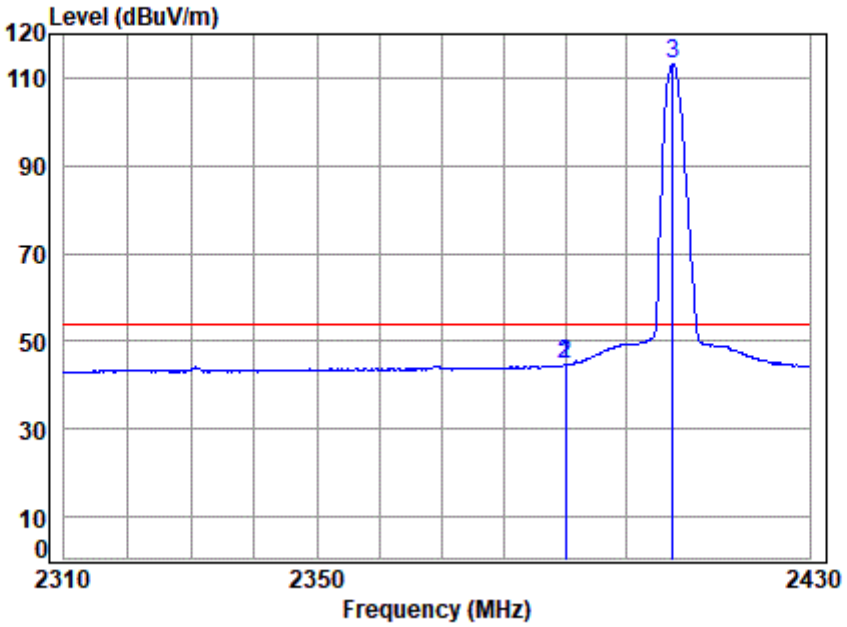
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel: 2407.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	51.63	44.65	54.00	-9.35	Average
2	2390.000	5.47	28.52	40.97	51.63	44.65	54.00	-9.35	Average
3 *	2407.583	5.50	28.55	40.98	120.03	113.10	54.00	59.10	Average

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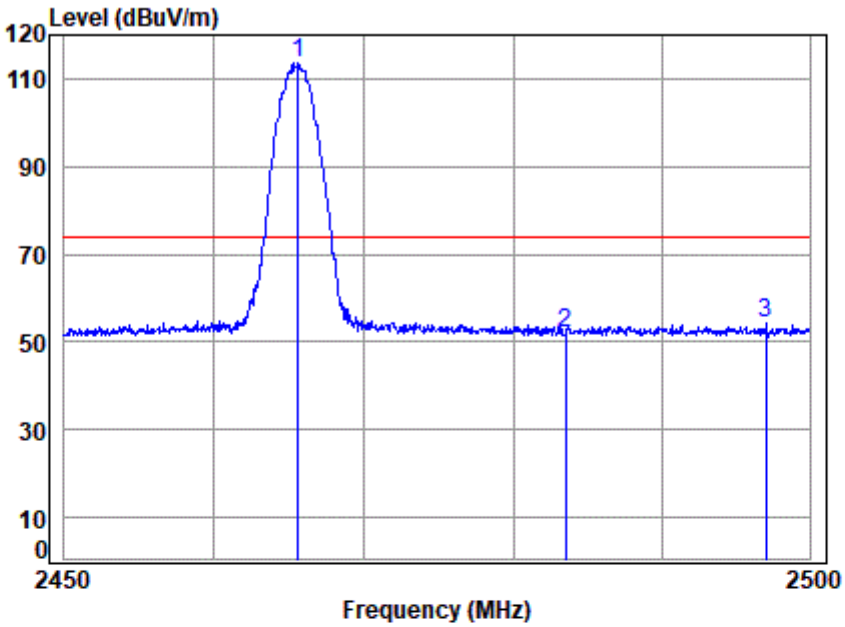
Mode:b; Polarization:Horizontal; Bandwidth:1.4MHz; Channel: 2465.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2465.5 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 *	2465.591	5.58	28.64	41.00	120.22	113.44	74.00	39.44	Peak
2	2483.500	5.60	28.67	41.01	58.97	52.23	74.00	-21.77	peak
3	2497.072	5.62	28.70	41.02	60.86	54.16	74.00	-19.84	peak

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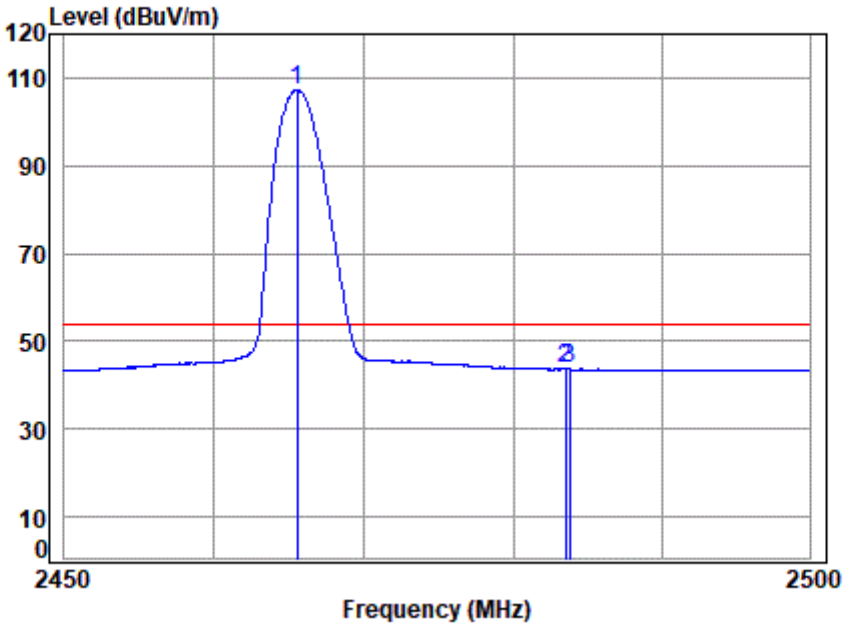

Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2465.5 Band edge
Note : 1.4M

	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 *	2465.542	5.58	28.64	41.00	114.01	107.23	54.00	53.23	Average
2	2483.500	5.60	28.67	41.01	50.40	43.66	54.00	-10.34	Average
3	2483.790	5.60	28.67	41.01	50.44	43.70	54.00	-10.30	Average

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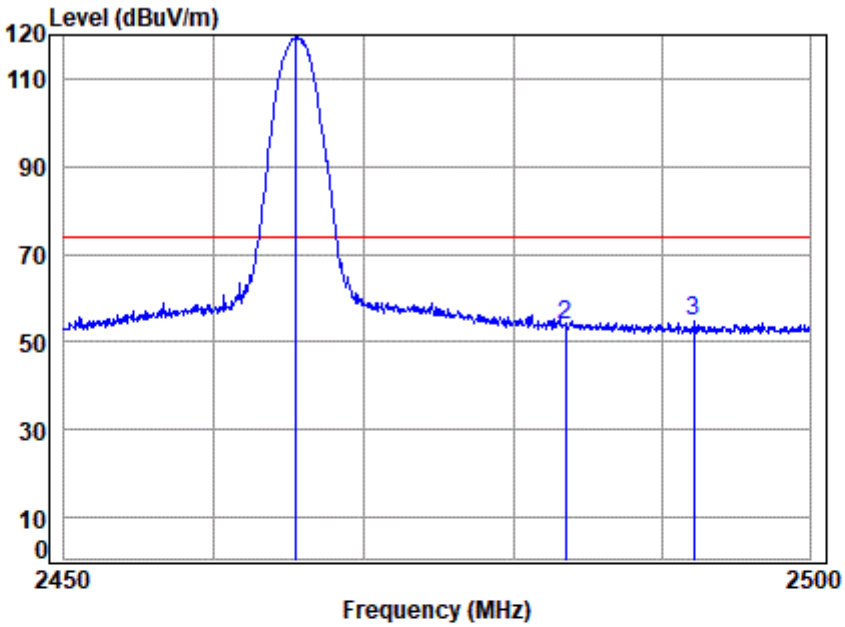

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2465.5 Band edge
Note : 1.4M

	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 *	2465.442	5.58	28.64	41.00	126.34	119.56	74.00	45.56	Peak
2	2483.500	5.60	28.67	41.01	60.42	53.68	74.00	-20.32	Peak
3	2492.184	5.61	28.69	41.01	61.57	54.86	74.00	-19.14	Peak

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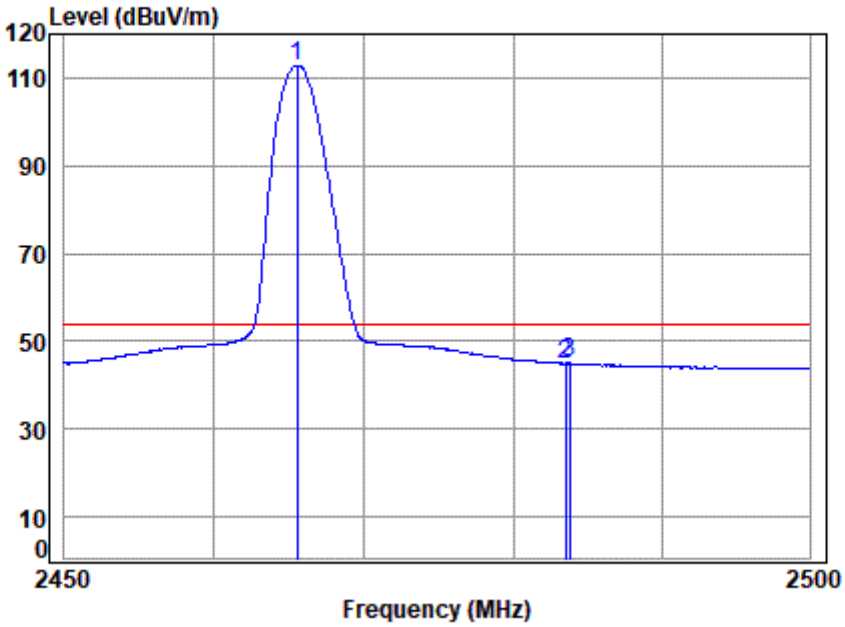

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2465.5 Band edge
Note : 1.4M

	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 *	2465.542	5.58	28.64	41.00	119.69	112.91	54.00	58.91	Average
2	2483.500	5.60	28.67	41.01	51.64	44.90	54.00	-9.10	Average
3	2483.790	5.60	28.67	41.01	51.73	44.99	54.00	-9.01	Average

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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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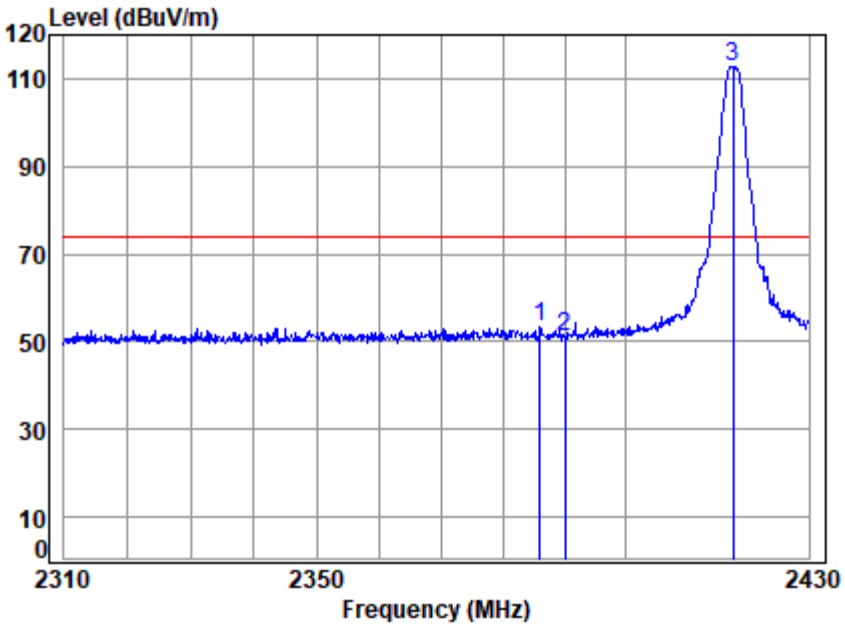
3MHz BW

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2385.978	5.47	28.51	40.97	60.15	53.16	74.00	-20.84	peak
2	2390.000	5.47	28.52	40.97	58.23	51.25	74.00	-22.75	peak
3 *	2417.480	5.51	28.56	40.98	119.74	112.83	74.00	38.83	Peak

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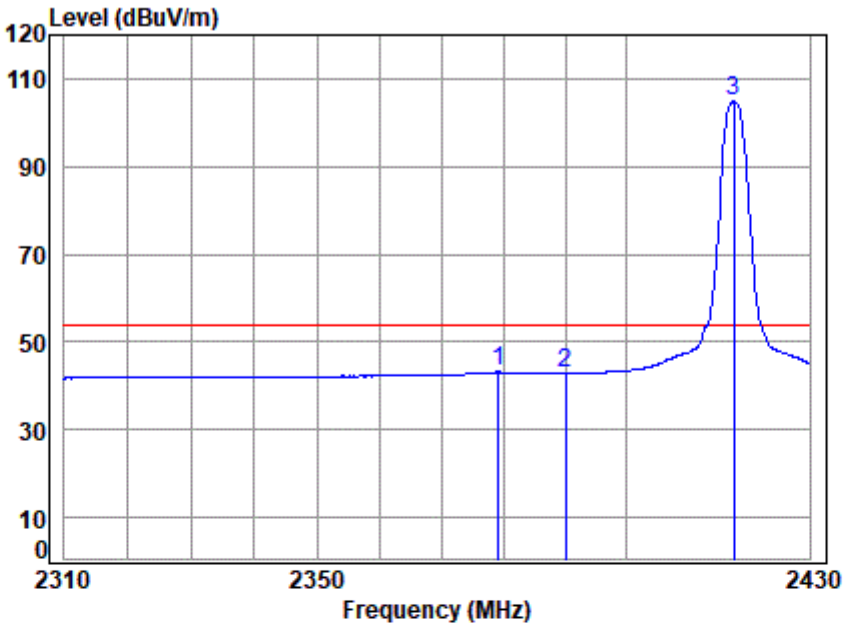
Mode:b; Polarization:Horizontal; Bandwidth:3MHz; Channel: 2417.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2379.100	5.46	28.50	40.97	50.22	43.21	54.00	-10.79	Average
2	2390.000	5.47	28.52	40.97	49.85	42.87	54.00	-11.13	Average
3 *	2417.602	5.51	28.56	40.98	111.70	104.79	54.00	50.79	Average

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Testing Center EMC Laboratory
检验检测专用章 Inspection & Testing Services

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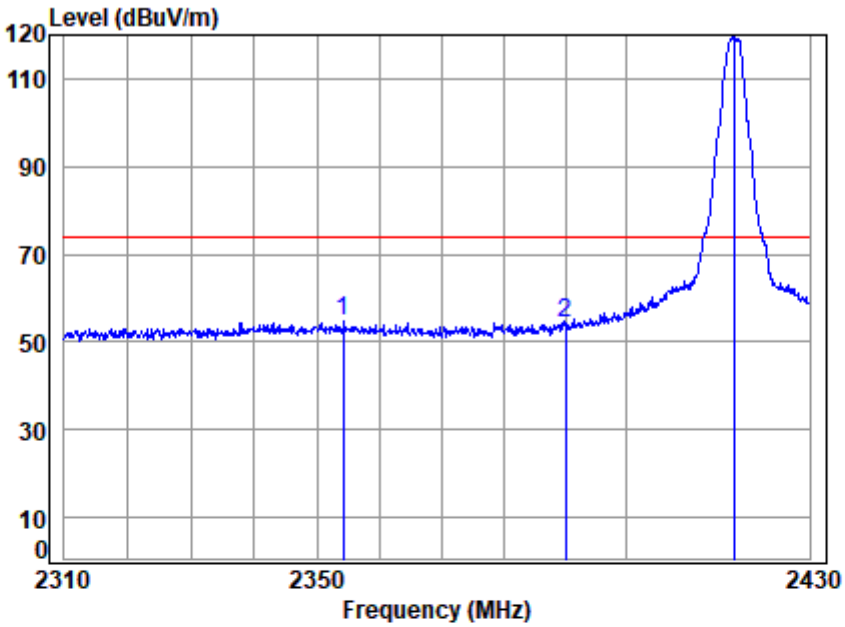
Mode:b; Polarization:Vertical; Bandwidth:3MHz; Channel: 2417.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2354.289	5.43	28.46	40.96	61.88	54.81	74.00	-19.19	peak
2	2390.000	5.47	28.52	40.97	61.18	54.20	74.00	-19.80	peak
3 *	2417.480	5.51	28.56	40.98	126.28	119.37	74.00	45.37	Peak

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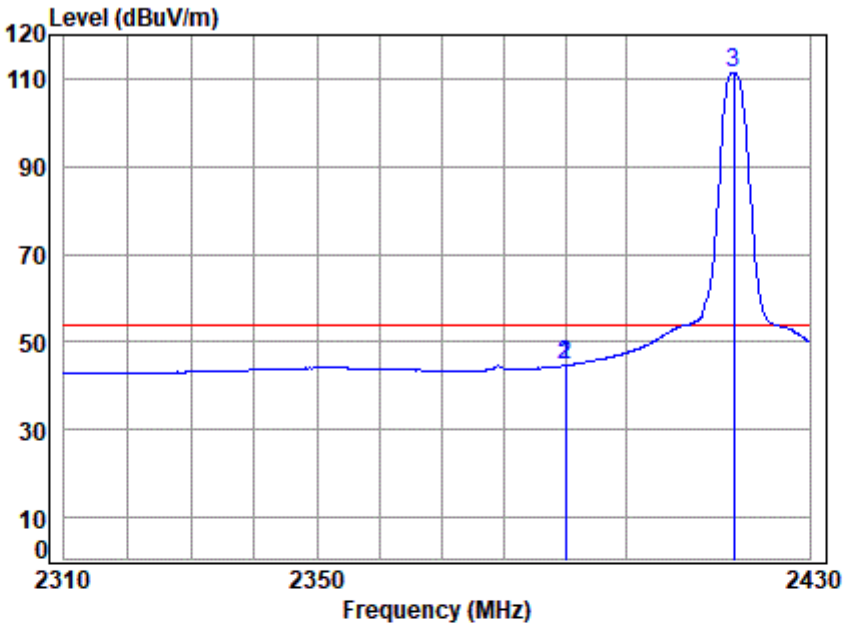
Mode:b; Polarization:Vertical; Bandwidth:3MHz; Channel: 2417.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2389.968	5.47	28.52	40.97	51.62	44.64	54.00	-9.36	Average
2	2390.000	5.47	28.52	40.97	51.62	44.64	54.00	-9.36	Average
3 *	2417.602	5.51	28.56	40.98	118.32	111.41	54.00	57.41	Average

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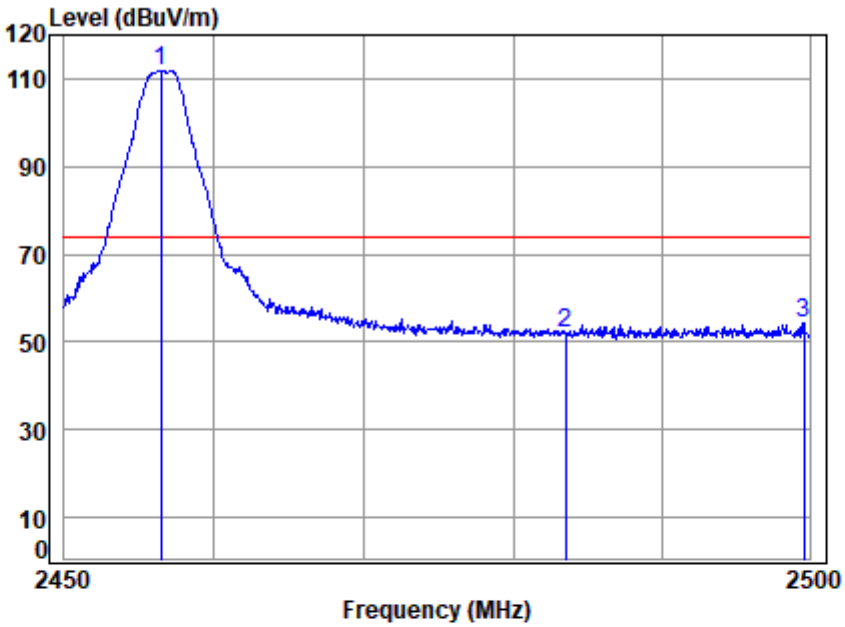
Mode:b; Polarization:Horizontal; Bandwidth:3MHz; Channel: 2456.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2456.5 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 *	2456.443	5.56	28.63	41.00	118.80	111.99	74.00	37.99	Peak
2	2483.500	5.60	28.67	41.01	58.98	52.24	74.00	-21.76	peak
3	2499.596	5.62	28.70	41.02	60.98	54.28	74.00	-19.72	peak

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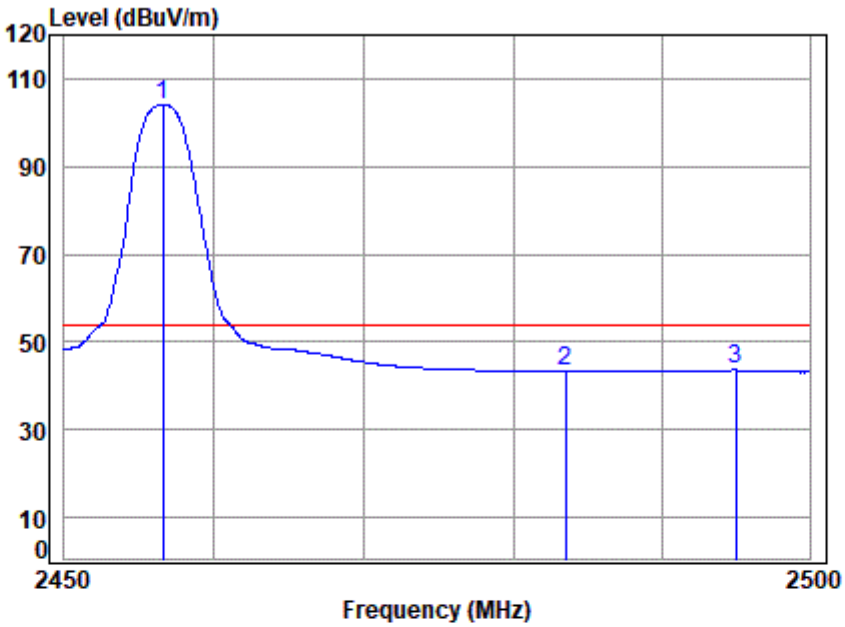
Mode:b; Polarization:Horizontal; Bandwidth:3MHz; Channel: 2456.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2456.5 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 *	2456.592	5.56	28.63	41.00	110.91	104.10	54.00	50.10	Average
2	2483.500	5.60	28.67	41.01	50.08	43.34	54.00	-10.66	Average
3	2495.005	5.61	28.69	41.02	50.33	43.61	54.00	-10.39	Average

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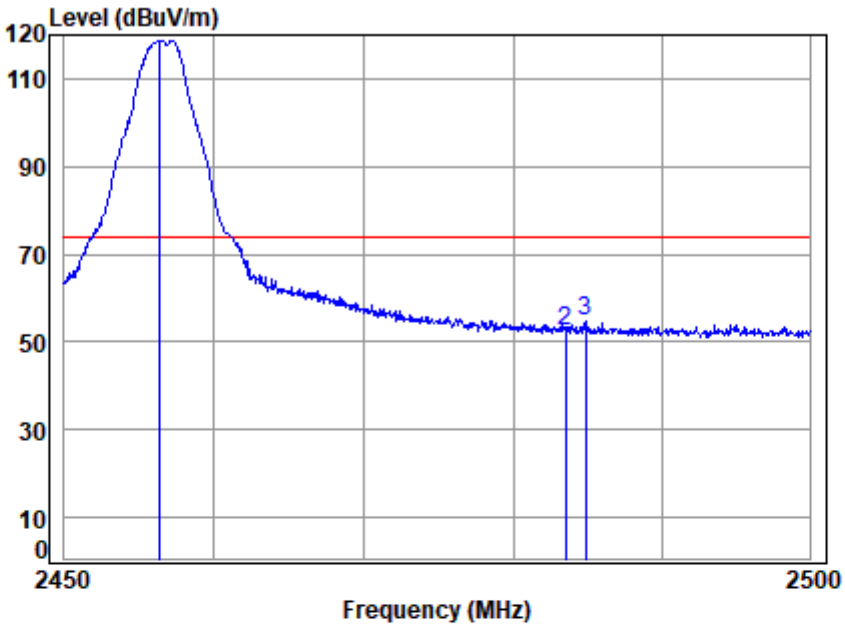
Mode:b; Polarization:Vertical; Bandwidth:3MHz; Channel: 2456.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2456.5 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 *	2456.393	5.56	28.63	41.00	125.62	118.81	74.00	44.81	Peak
2	2483.500	5.60	28.67	41.01	59.06	52.32	74.00	-21.68	peak
3	2484.894	5.60	28.68	41.01	61.29	54.56	74.00	-19.44	peak

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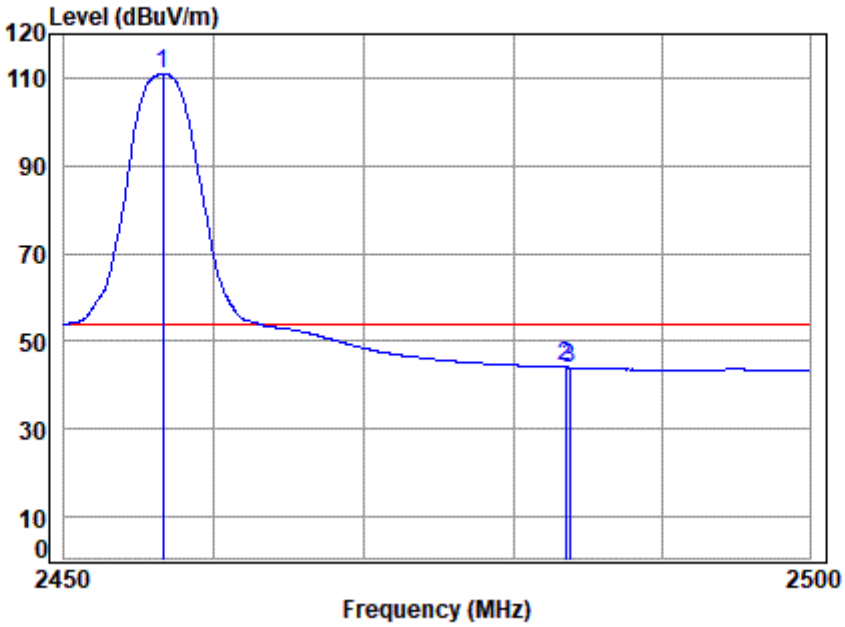
Mode:b; Polarization:Vertical; Bandwidth:3MHz; Channel: 2456.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2456.5 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 *	2456.592	5.56	28.63	41.00	117.66	110.85	54.00	56.85	Average
2	2483.500	5.60	28.67	41.01	50.81	44.07	54.00	-9.93	Average
3	2483.790	5.60	28.67	41.01	50.76	44.02	54.00	-9.98	Average

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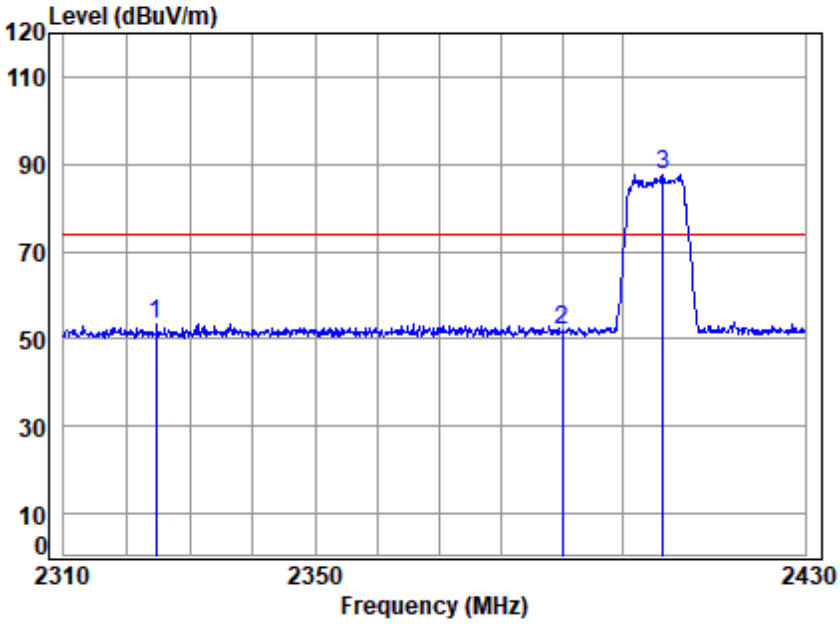
10MHz

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2324.670	5.39	28.41	40.94	60.62	53.48	74.00	-20.52	peak
2	2390.000	5.47	28.52	40.97	58.88	51.90	74.00	-22.10	peak
3 *	2406.486	5.50	28.55	40.98	94.61	87.68	74.00	13.68	Peak

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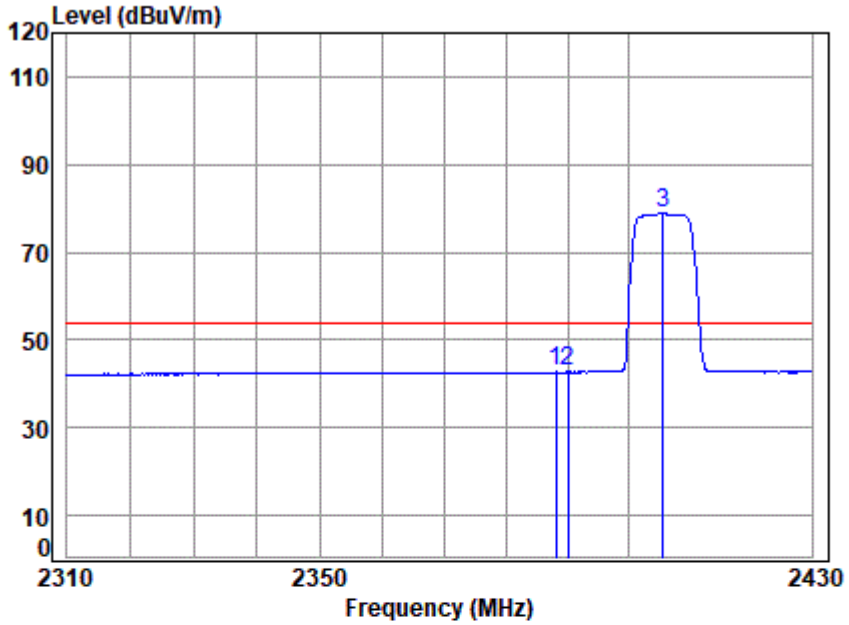
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2405.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2388.032	5.47	28.52	40.97	49.72	42.74	54.00	-11.26	Average
2	2390.000	5.47	28.52	40.97	49.69	42.71	54.00	-11.29	Average
3 *	2405.511	5.50	28.54	40.98	85.80	78.86	54.00	24.86	Average

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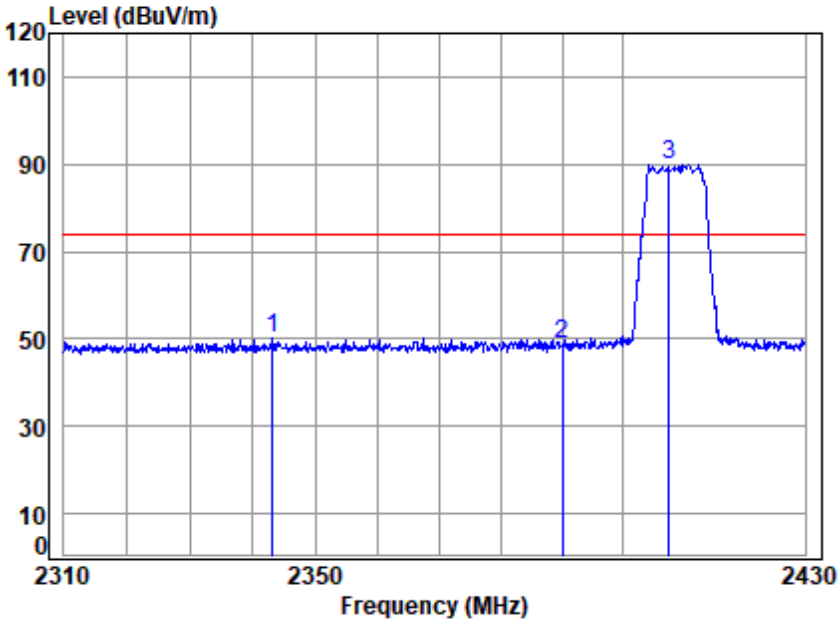
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2408.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2343.227	5.41	28.44	40.95	57.36	50.26	74.00	-23.74	peak
2	2390.000	5.47	28.52	40.97	55.58	48.60	74.00	-25.40	peak
3 *	2407.500	5.50	28.55	40.98	97.00	90.07	74.00	16.07	peak

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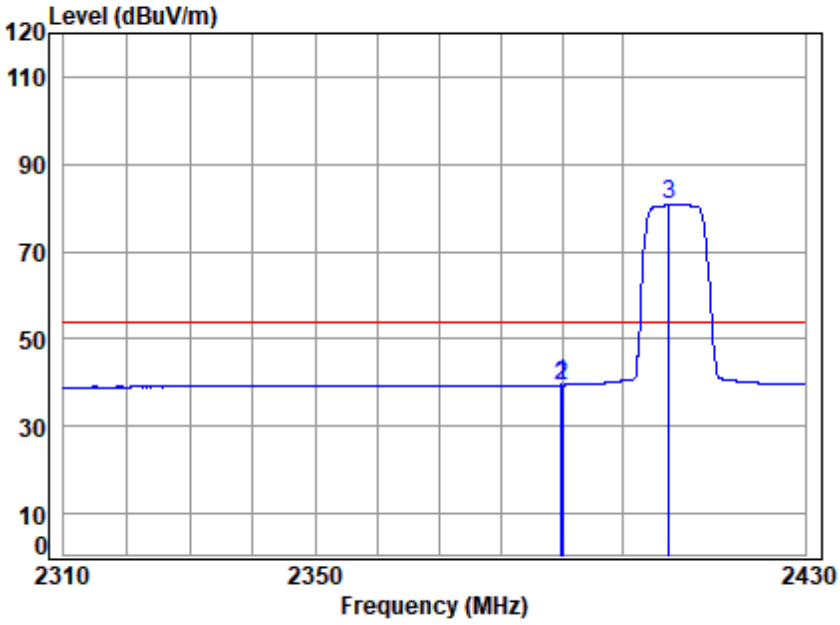
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2408.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2389.847	5.47	28.52	40.97	46.45	39.47	54.00	-14.53	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	87.82	80.89	54.00	26.89	Average

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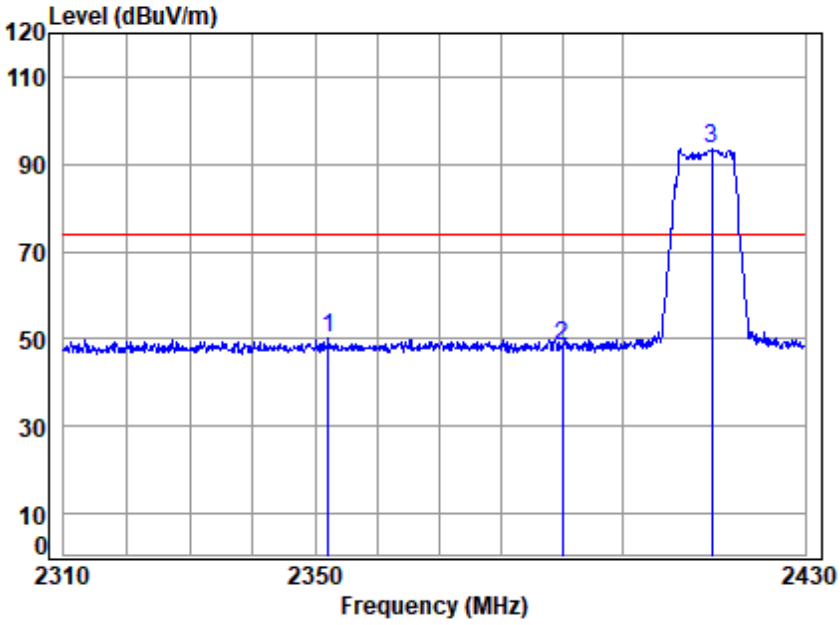
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2413.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2352.144	5.42	28.45	40.96	57.05	49.96	74.00	-24.04	peak
2	2390.000	5.47	28.52	40.97	55.19	48.21	74.00	-25.79	peak
3 *	2414.543	5.51	28.56	40.98	100.50	93.59	74.00	19.59	Peak

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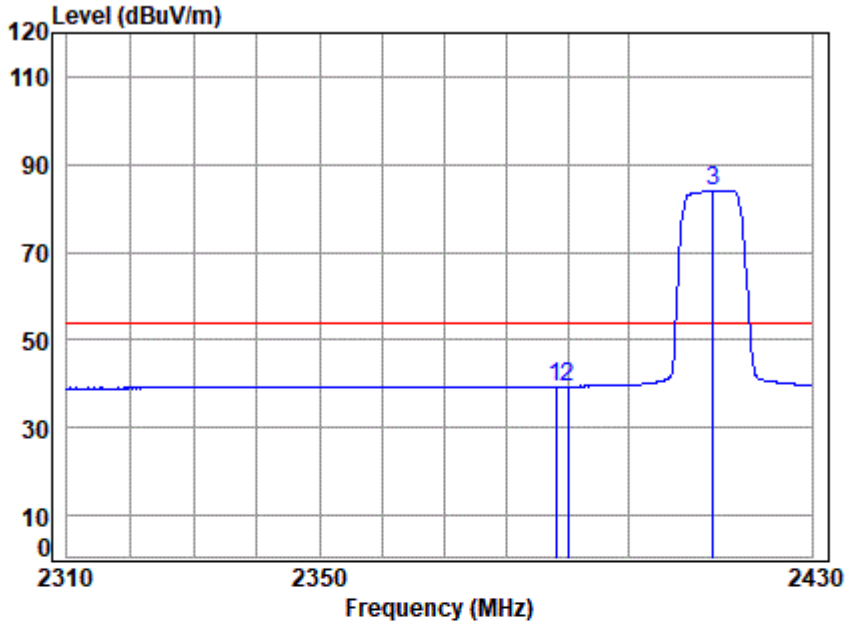
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2413.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2388.154	5.47	28.52	40.97	46.41	39.43	54.00	-14.57	Average
2	2390.000	5.47	28.52	40.97	46.39	39.41	54.00	-14.59	Average
3 *	2413.810	5.51	28.56	40.98	91.04	84.13	54.00	30.13	Average

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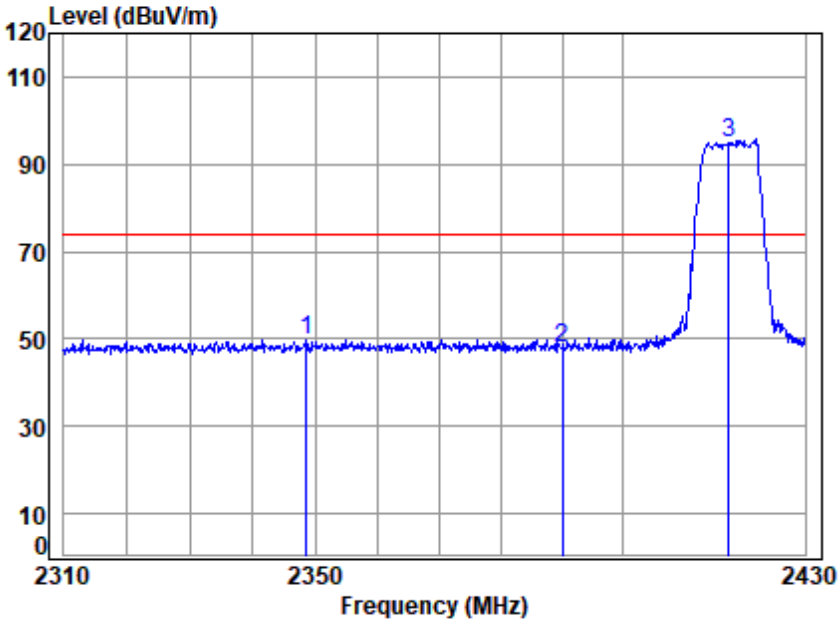
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2417.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2348.573	5.42	28.45	40.95	56.89	49.81	74.00	-24.19	peak
2	2390.000	5.47	28.52	40.97	55.05	48.07	74.00	-25.93	peak
3 *	2417.357	5.51	28.56	40.98	101.75	94.84	74.00	20.84	Peak

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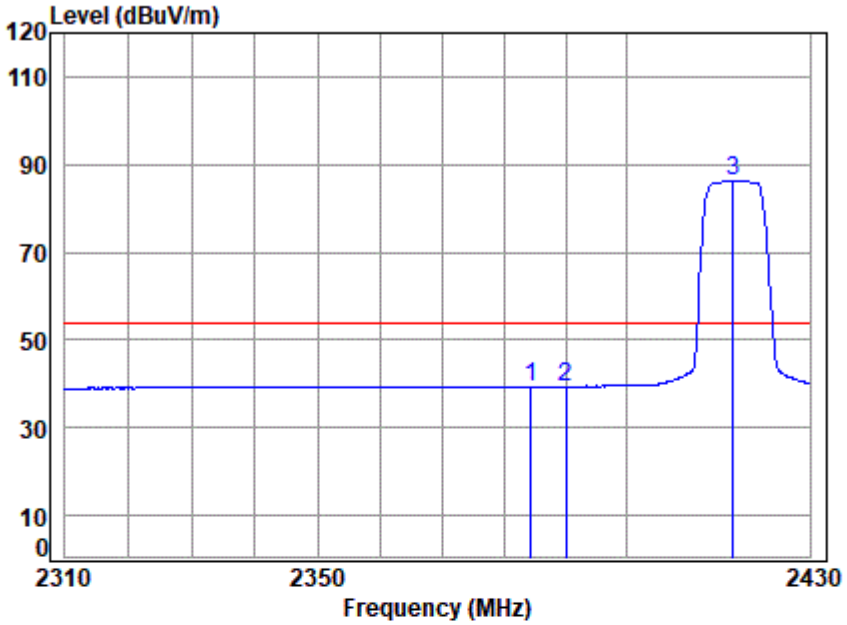

Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2417.5 Band edge
Note : 10M

	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	2384.407	5.47	28.51	40.97	46.44	39.45	54.00	-14.55	Average
2	2390.000	5.47	28.52	40.97	46.40	39.42	54.00	-14.58	Average
3 *	2417.357	5.51	28.56	40.98	93.35	86.44	54.00	32.44	Average

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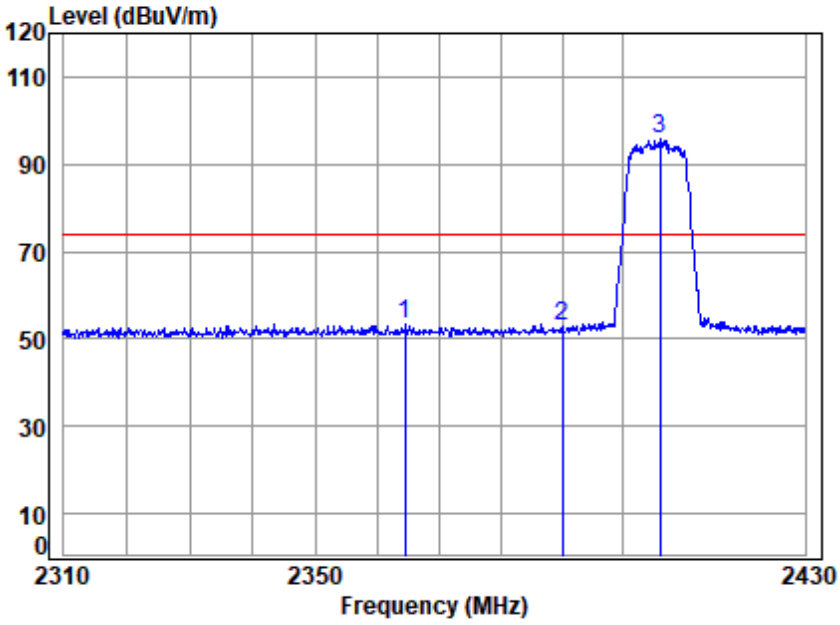

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2405.5 Band edge
Note : 10M

	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	60.34	53.30	74.00	-20.70	Peak
2	2390.000	5.47	28.52	40.97	59.75	52.77	74.00	-21.23	Peak
3 *	2405.999	5.50	28.55	40.98	102.91	95.98	74.00	21.98	Peak

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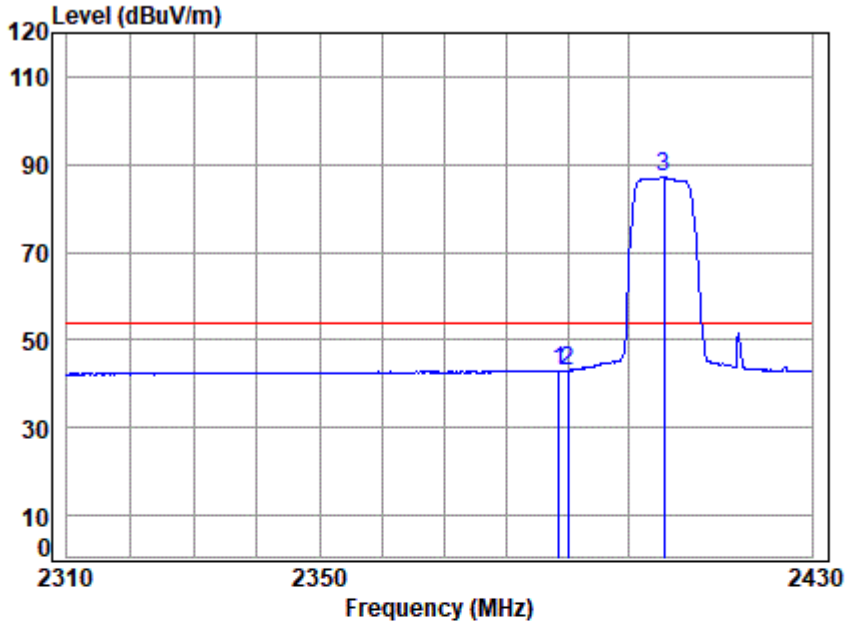

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2405.5 Band edge
Note : 10M

	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	2388.516	5.47	28.52	40.97	50.07	43.09	54.00	-10.91	Average
2	2390.000	5.47	28.52	40.97	49.99	43.01	54.00	-10.99	Average
3 *	2405.633	5.50	28.54	40.98	93.95	87.01	54.00	33.01	Average

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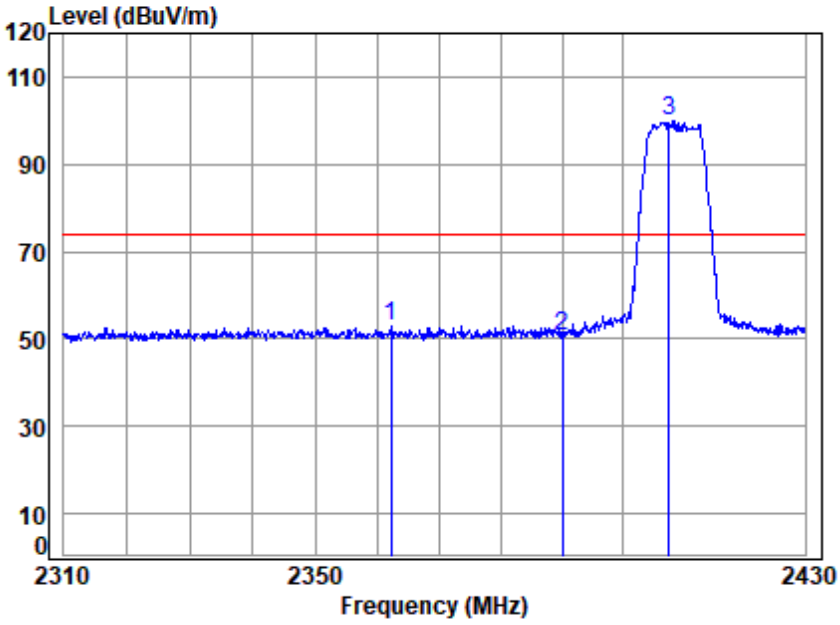

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2408.5 Band edge
Note : 10M

	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	2362.172	5.44	28.47	40.96	59.97	52.92	74.00	-21.08	peak
2	2390.000	5.47	28.52	40.97	57.50	50.52	74.00	-23.48	peak
3 *	2407.500	5.50	28.55	40.98	106.74	99.81	74.00	25.81	peak

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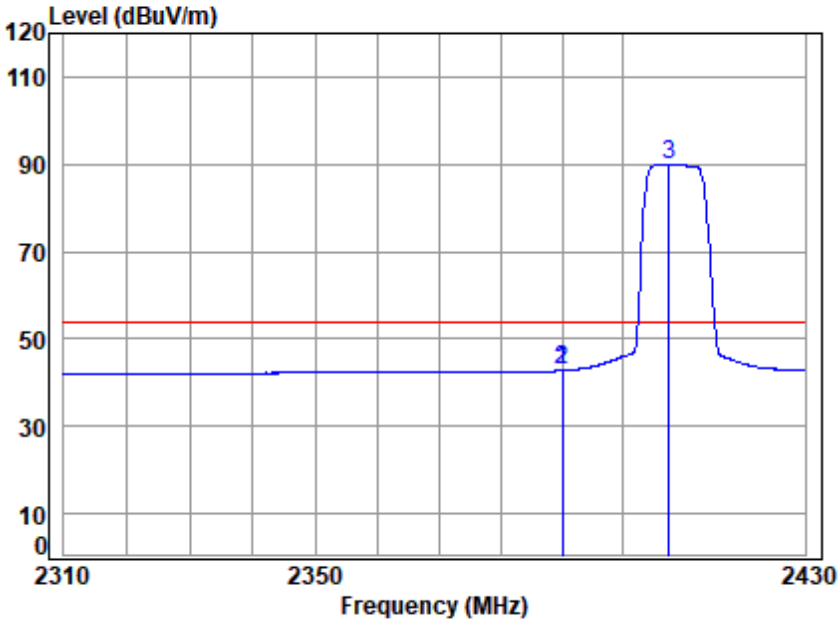

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2408.5 Band edge
Note : 10M

	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	49.71	42.73	54.00	-11.27	Average
2	2390.000	5.47	28.52	40.97	49.71	42.73	54.00	-11.27	Average
3 *	2407.500	5.50	28.55	40.98	97.01	90.08	54.00	36.08	Average

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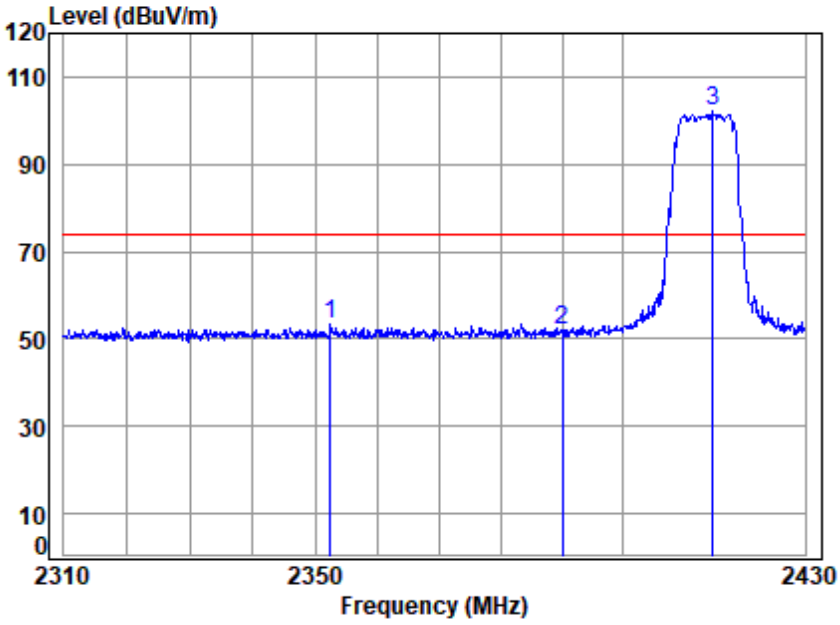
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2413.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2352.502	5.42	28.45	40.96	60.49	53.40	74.00	-20.60	peak
2	2390.000	5.47	28.52	40.97	59.06	52.08	74.00	-21.92	peak
3 *	2414.666	5.51	28.56	40.98	109.25	102.34	74.00	28.34	Peak

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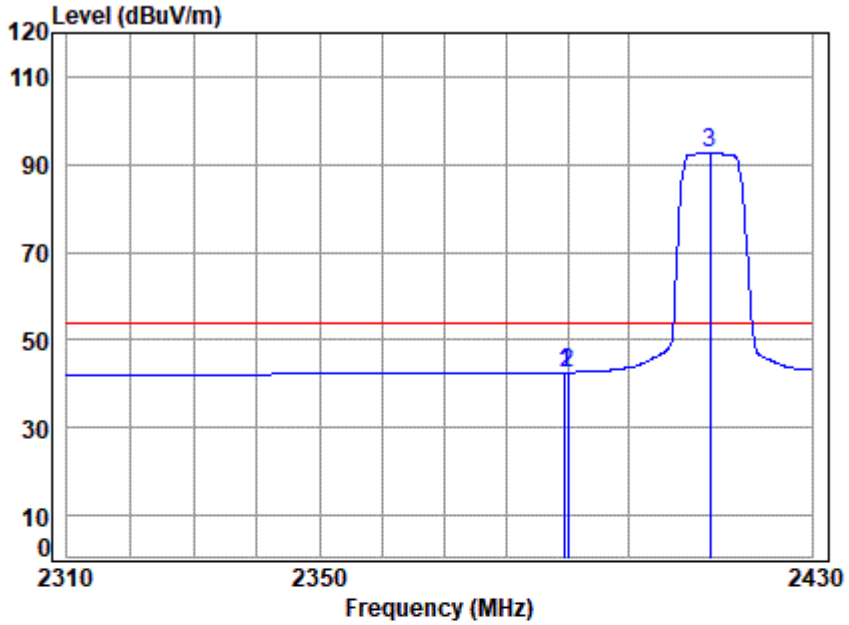
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2413.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2389.484	5.47	28.52	40.97	49.55	42.57	54.00	-11.43	Average
2	2390.000	5.47	28.52	40.97	49.54	42.56	54.00	-11.44	Average
3 *	2413.198	5.51	28.56	40.98	99.64	92.73	54.00	38.73	Average

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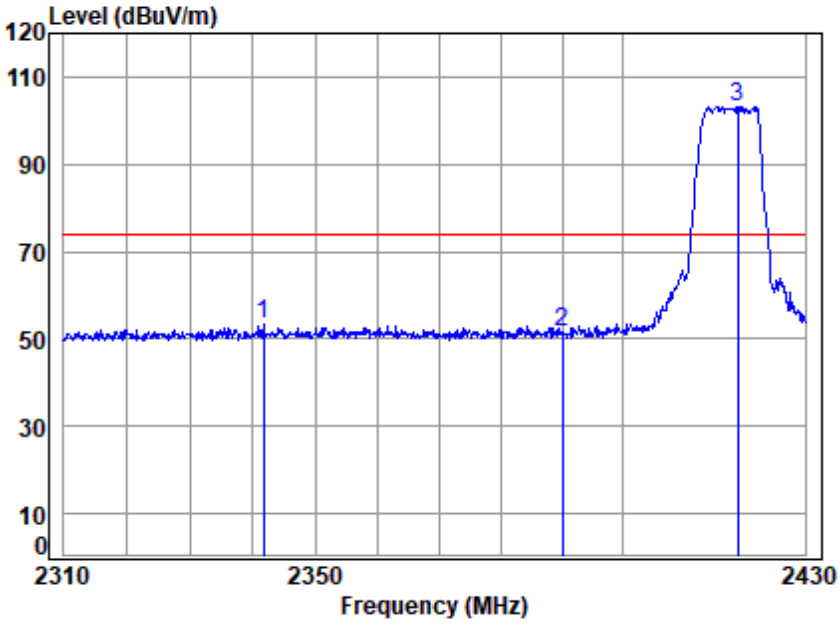
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2417.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2341.685	5.41	28.44	40.95	60.35	53.25	74.00	-20.75	peak
2	2390.000	5.47	28.52	40.97	58.53	51.55	74.00	-22.45	peak
3 *	2418.827	5.51	28.57	40.98	110.21	103.31	74.00	29.31	Peak

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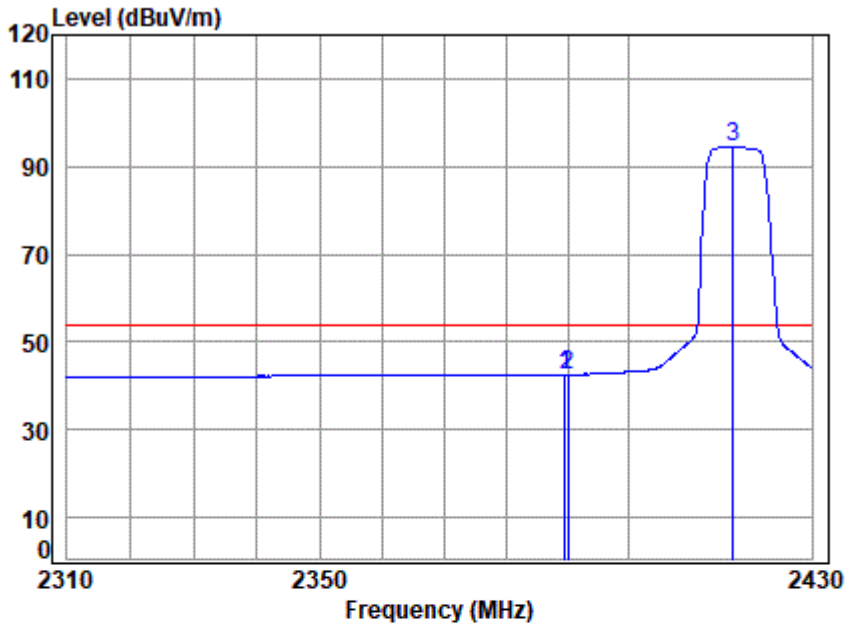
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2417.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2389.605	5.47	28.52	40.97	49.48	42.50	54.00	-11.50	Average
2	2390.000	5.47	28.52	40.97	49.48	42.50	54.00	-11.50	Average
3 *	2417.113	5.51	28.56	40.98	101.47	94.56	54.00	40.56	Average

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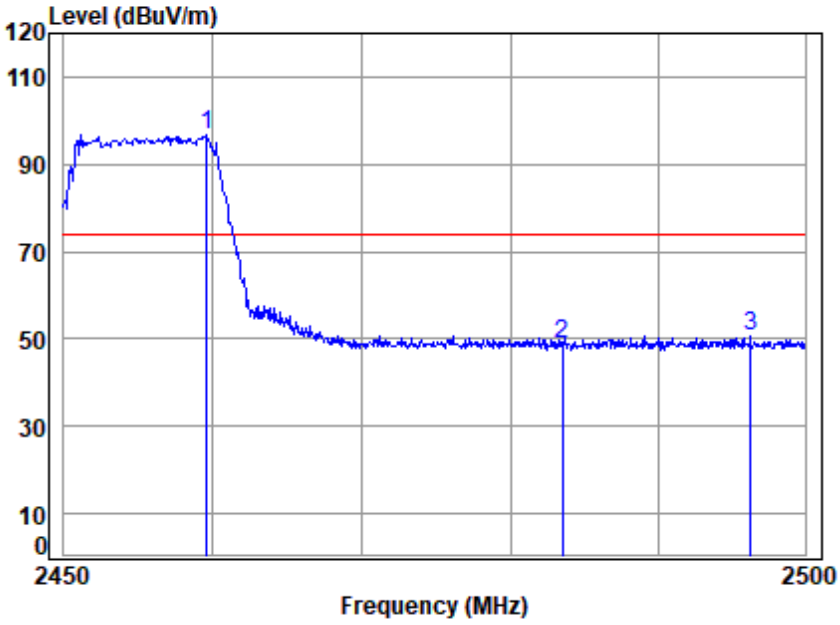
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2455.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2459.572	5.57	28.63	41.00	103.62	96.82	74.00	22.82	Peak
2	2483.500	5.60	28.67	41.01	55.59	48.85	74.00	-25.15	peak
3	2496.265	5.62	28.69	41.02	57.27	50.56	74.00	-23.44	peak

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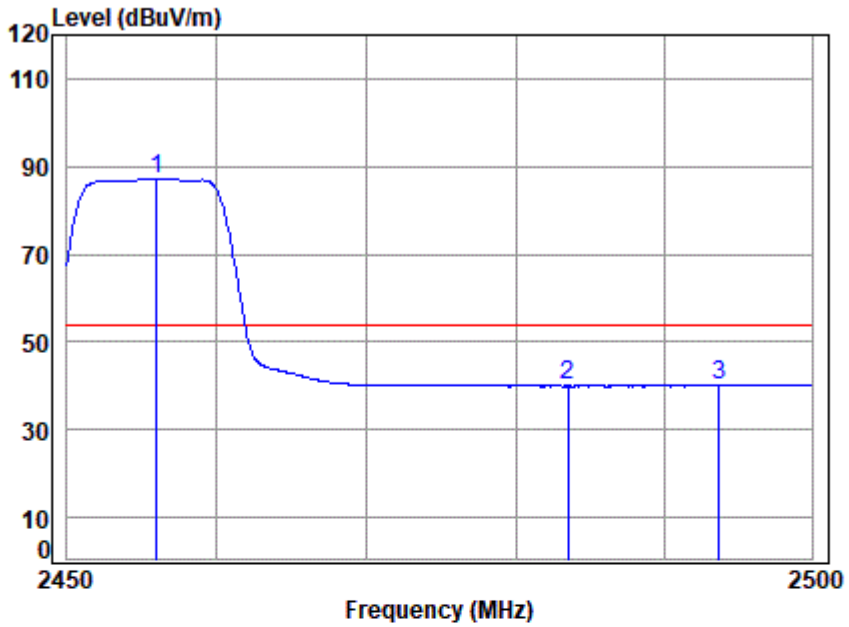
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2455.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2455.947	5.56	28.63	41.00	93.85	87.04	54.00	33.04	Average
2	2483.500	5.60	28.67	41.01	46.67	39.93	54.00	-14.07	Average
3	2493.745	5.61	28.69	41.01	46.74	40.03	54.00	-13.97	Average

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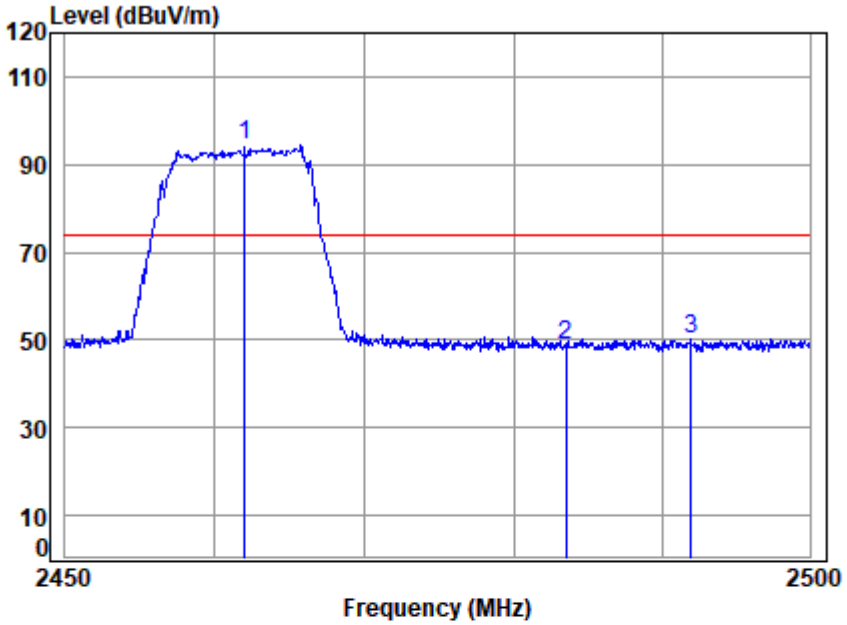
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2461.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	101.14	94.35	74.00	20.35	peak
2	2483.500	5.60	28.67	41.01	55.41	48.67	74.00	-25.33	peak
3	2491.932	5.61	28.69	41.01	57.07	50.36	74.00	-23.64	peak

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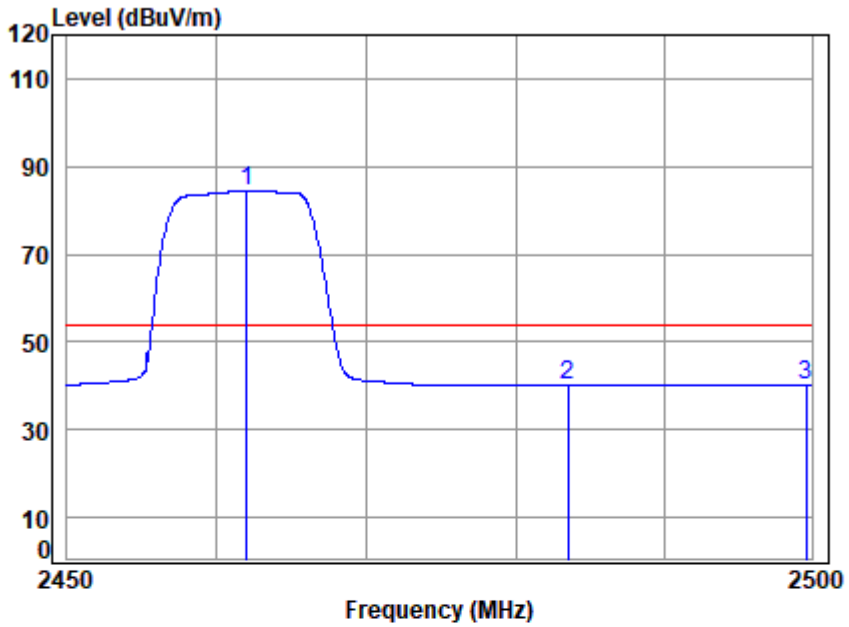
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2461.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	91.18	84.39	54.00	30.39	Average
2	2483.500	5.60	28.67	41.01	46.69	39.95	54.00	-14.05	Average
3	2499.596	5.62	28.70	41.02	46.70	40.00	54.00	-14.00	Average

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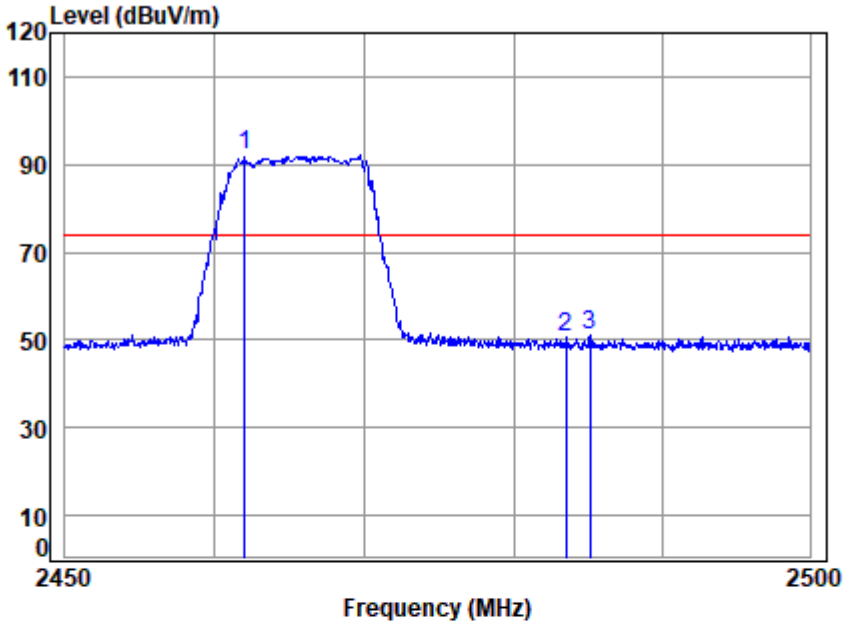
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2465.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	98.95	92.16	74.00	18.16	peak
2	2483.500	5.60	28.67	41.01	57.28	50.54	74.00	-23.46	peak
3	2485.145	5.60	28.68	41.01	57.63	50.90	74.00	-23.10	peak

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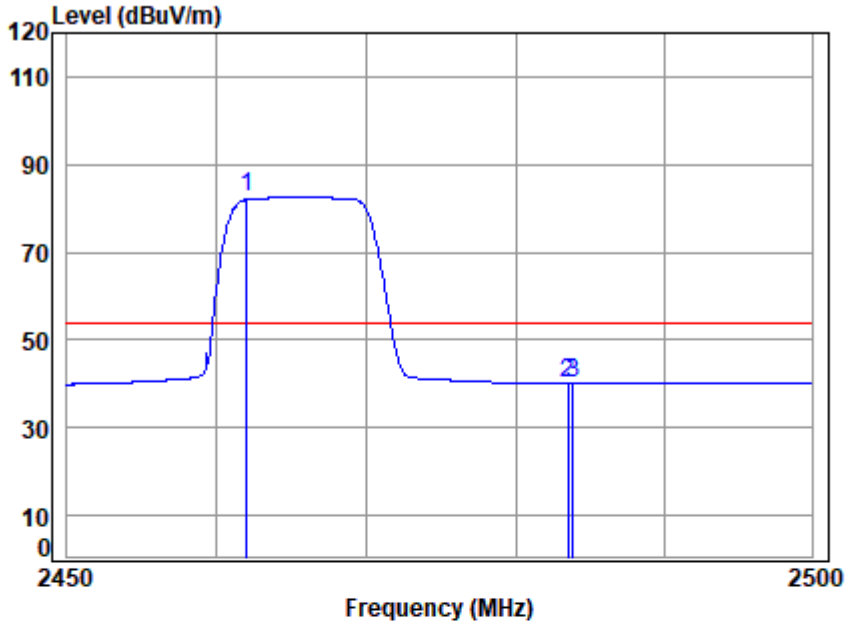
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2465.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	89.59	82.80	54.00	28.80	Average
2	2483.500	5.60	28.67	41.01	46.80	40.06	54.00	-13.94	Average
3	2483.890	5.60	28.67	41.01	46.79	40.05	54.00	-13.95	Average

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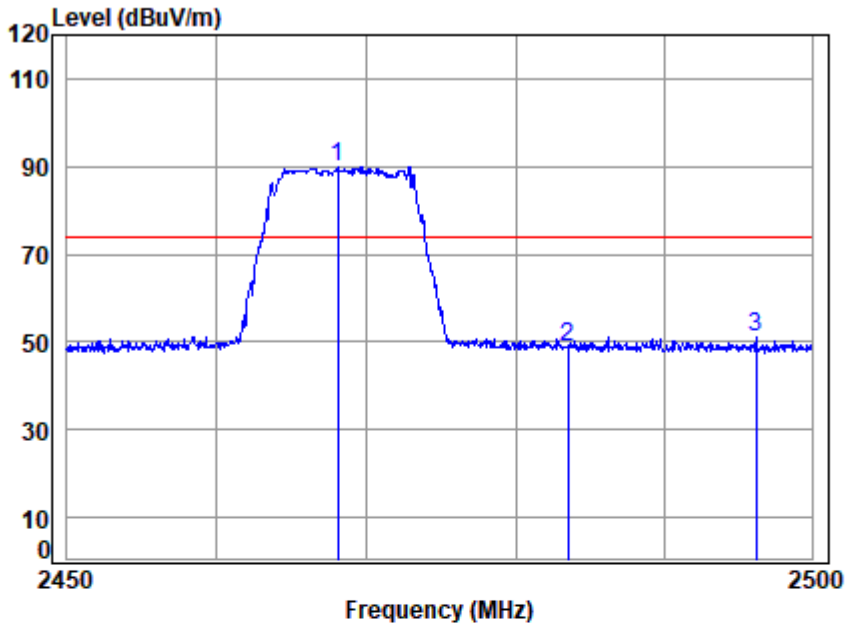
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2468.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2468.083	5.58	28.65	41.00	96.66	89.89	74.00	15.89	Peak
2	2483.500	5.60	28.67	41.01	55.49	48.75	74.00	-25.25	peak
3	2496.215	5.62	28.69	41.02	57.80	51.09	74.00	-22.91	peak

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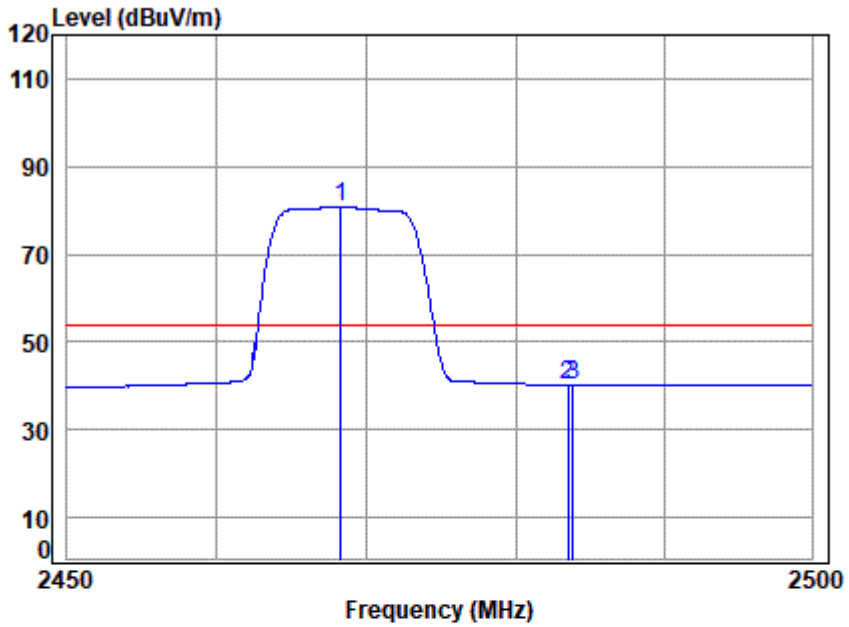
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2468.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2468.233	5.58	28.65	41.00	87.51	80.74	54.00	26.74	Average
2	2483.500	5.60	28.67	41.01	46.89	40.15	54.00	-13.85	Average
3	2483.890	5.60	28.67	41.01	46.86	40.12	54.00	-13.88	Average

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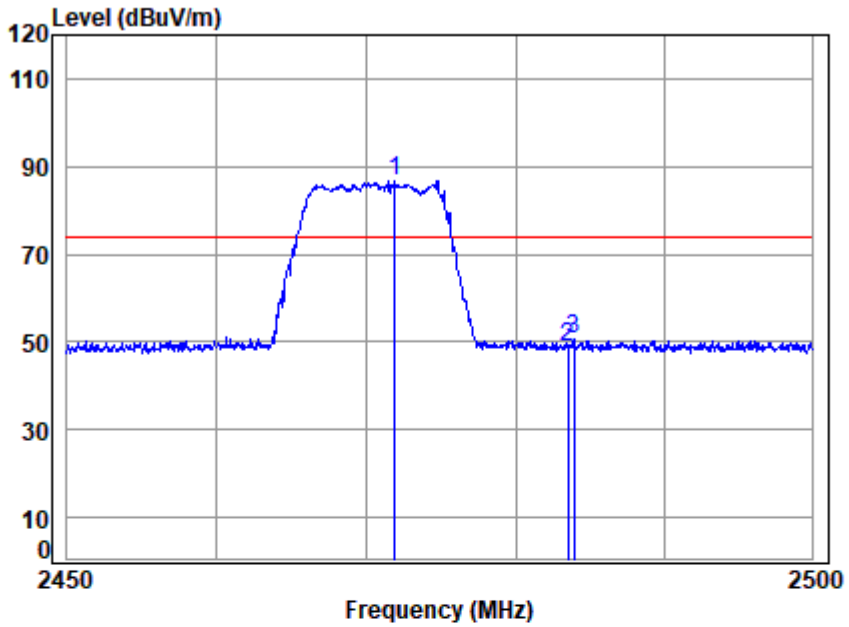
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2470.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2471.875	5.58	28.65	41.01	93.53	86.75	74.00	12.75	Peak
2	2483.500	5.60	28.67	41.01	55.72	48.98	74.00	-25.02	peak
3	2483.940	5.60	28.67	41.01	57.35	50.61	74.00	-23.39	peak

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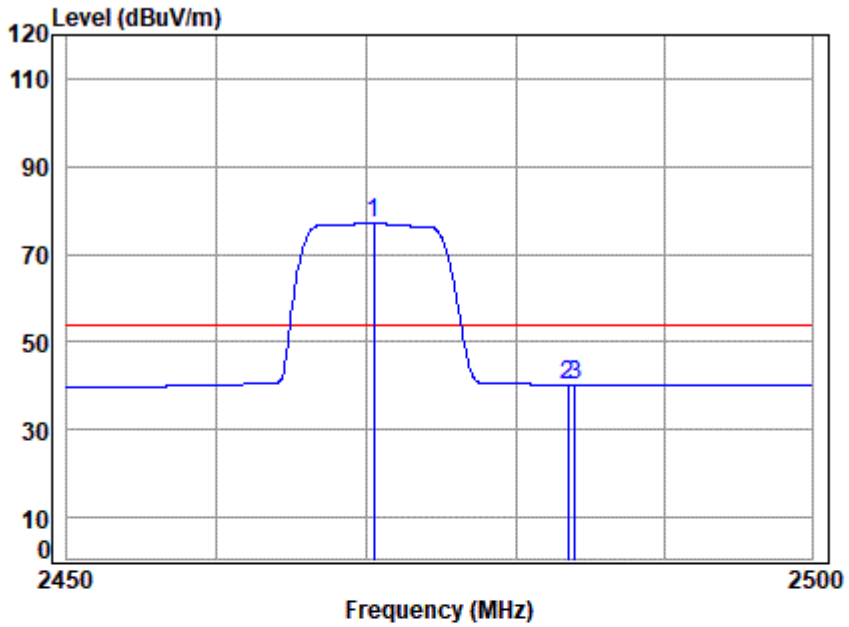
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2470.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2470.478	5.58	28.65	41.01	83.94	77.16	54.00	23.16	Average
2	2483.500	5.60	28.67	41.01	46.95	40.21	54.00	-13.79	Average
3	2483.990	5.60	28.67	41.01	46.93	40.19	54.00	-13.81	Average

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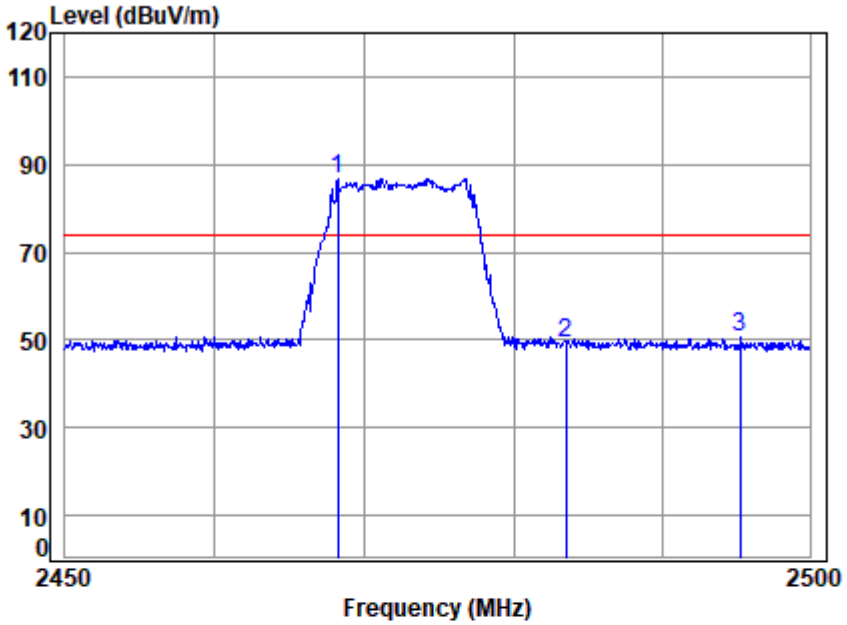
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2472.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2468.183	5.58	28.65	41.00	93.52	86.75	74.00	12.75	Peak
2	2483.500	5.60	28.67	41.01	56.14	49.40	74.00	-24.60	peak
3	2495.307	5.61	28.69	41.02	57.47	50.75	74.00	-23.25	peak

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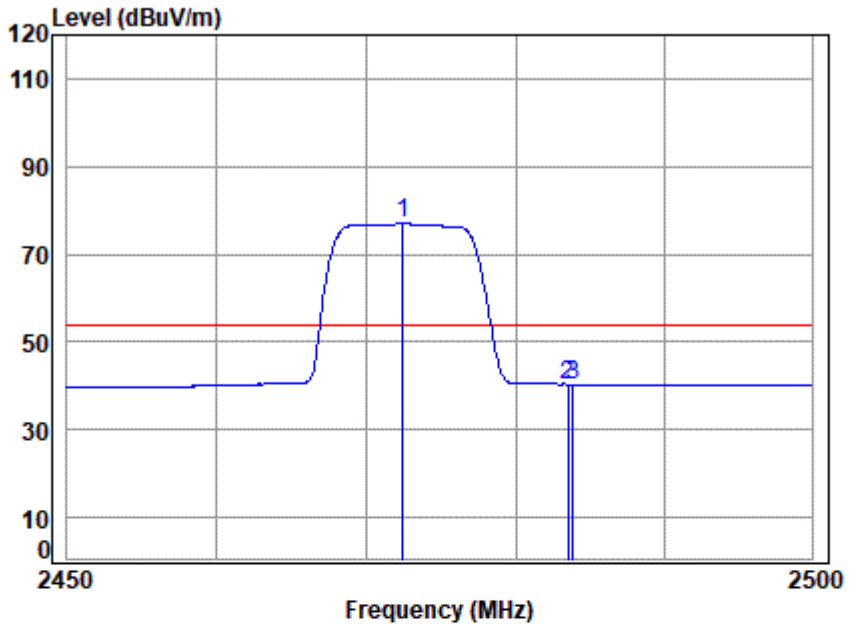

Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2472.5 Band edge
Note : 10M

	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 *	2472.425	5.58	28.66	41.01	83.74	76.97	54.00	22.97	Average
2	2483.500	5.60	28.67	41.01	47.08	40.34	54.00	-13.66	Average
3	2483.840	5.60	28.67	41.01	47.08	40.34	54.00	-13.66	Average

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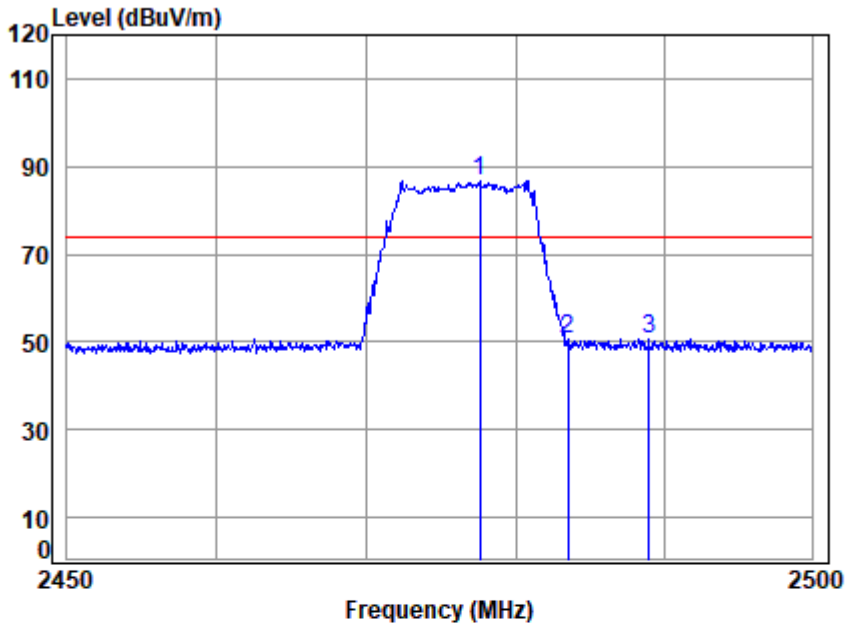
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2476.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2477.625	5.59	28.66	41.01	93.25	86.49	74.00	12.49	Peak
2	2483.500	5.60	28.67	41.01	57.54	50.80	74.00	-23.20	peak
3	2488.963	5.61	28.68	41.01	57.47	50.75	74.00	-23.25	peak

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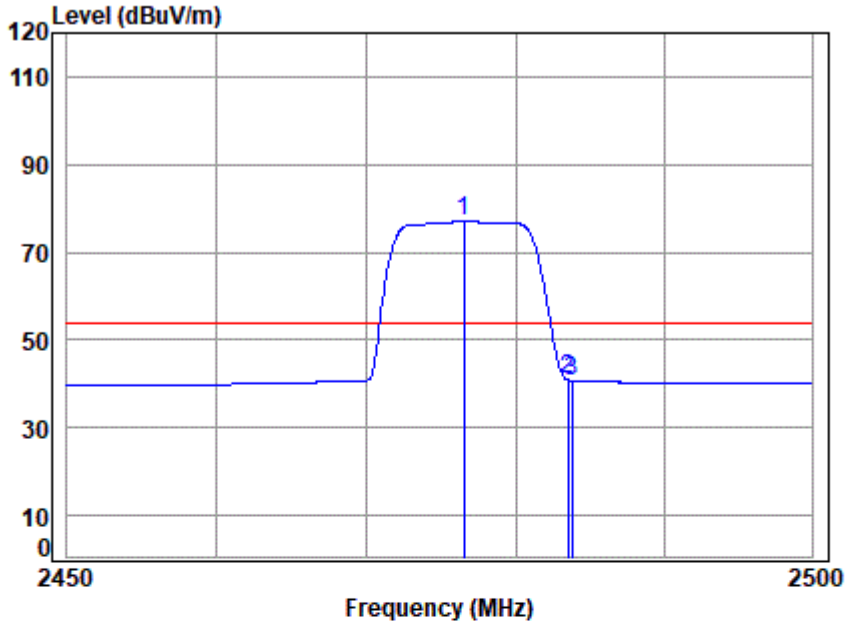
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2476.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2476.524	5.59	28.66	41.01	83.89	77.13	54.00	23.13	Average
2	2483.500	5.60	28.67	41.01	47.65	40.91	54.00	-13.09	Average
3	2483.790	5.60	28.67	41.01	47.39	40.65	54.00	-13.35	Average

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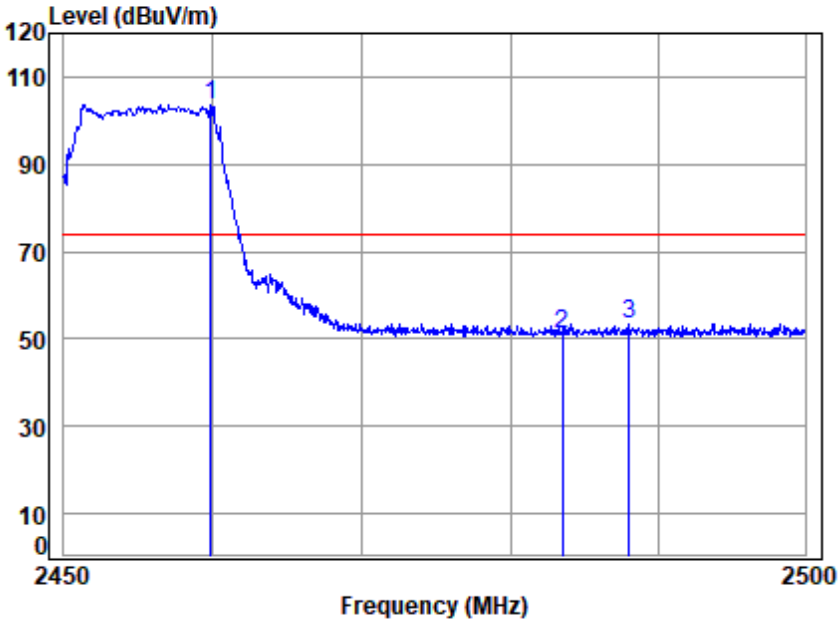
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2455.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2459.870	5.57	28.63	41.00	110.52	103.72	74.00	29.72	Peak
2	2483.500	5.60	28.67	41.01	58.06	51.32	74.00	-22.68	peak
3	2488.059	5.60	28.68	41.01	60.21	53.48	74.00	-20.52	peak

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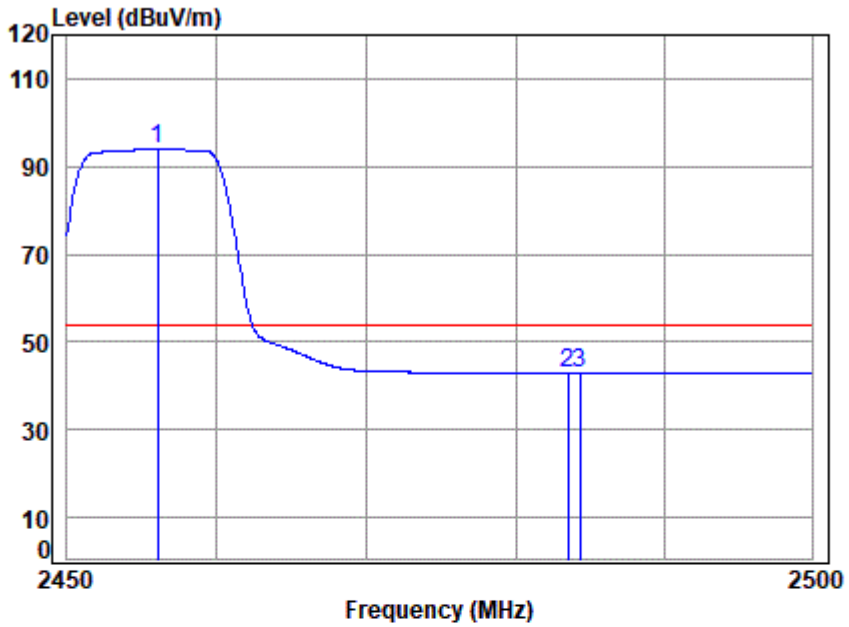

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2455.5 Band edge
Note : 10M

	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 *	2456.046	5.56	28.63	41.00	100.82	94.01	54.00	40.01	Average
2	2483.500	5.60	28.67	41.01	49.58	42.84	54.00	-11.16	Average
3	2484.342	5.60	28.67	41.01	49.61	42.87	54.00	-11.13	Average

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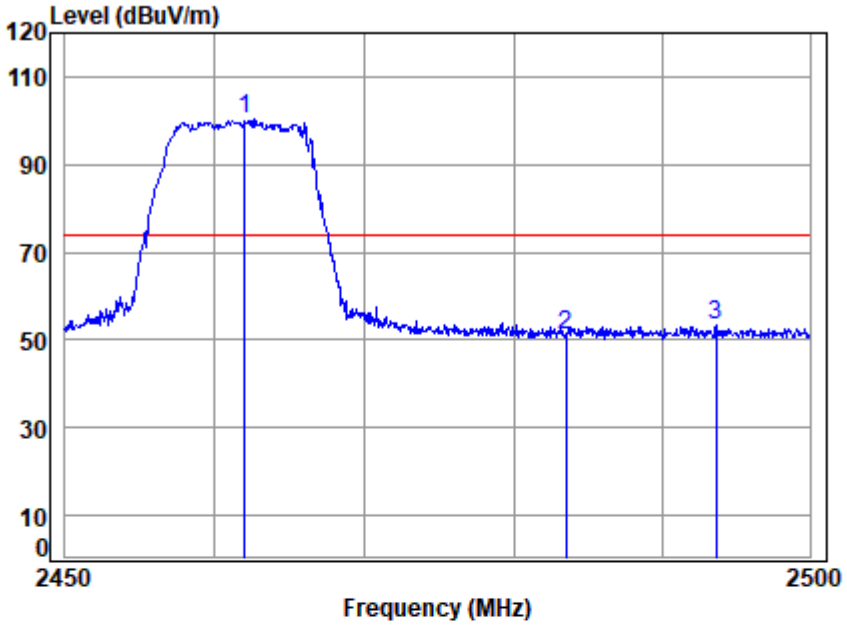

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2461.5 Band edge
Note : 10M

	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	107.19	100.40	74.00	26.40	peak
2	2483.500	5.60	28.67	41.01	57.90	51.16	74.00	-22.84	peak
3	2493.644	5.61	28.69	41.01	59.87	53.16	74.00	-20.84	peak

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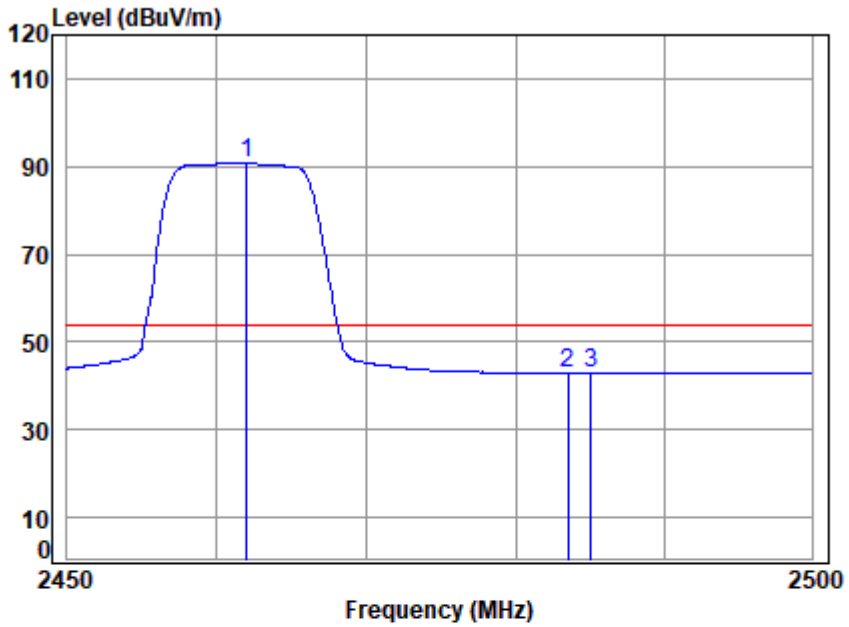

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2461.5 Band edge
Note : 10M

	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	97.56	90.77	54.00	36.77	Average
2	2483.500	5.60	28.67	41.01	49.62	42.88	54.00	-11.12	Average
3	2485.095	5.60	28.68	41.01	49.61	42.88	54.00	-11.12	Average

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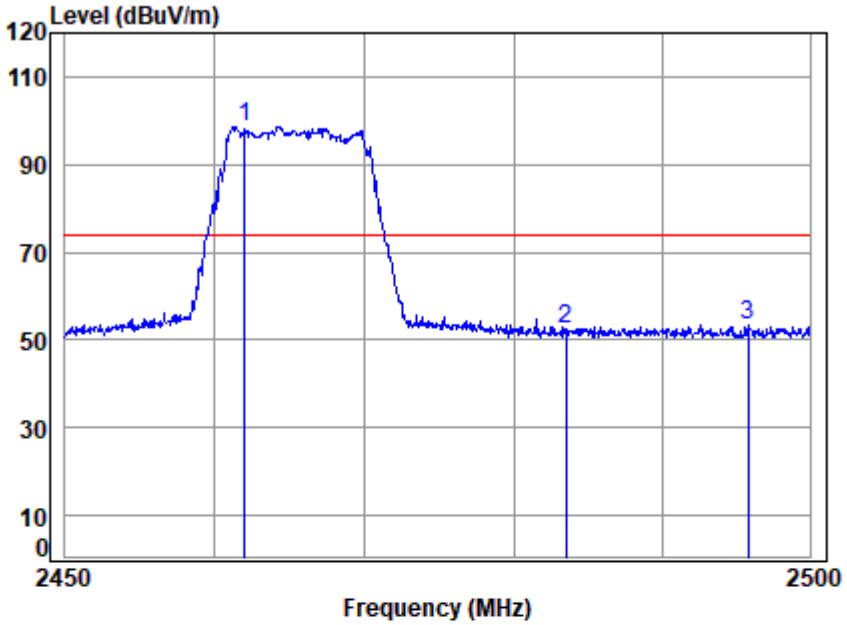
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2465.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	105.31	98.52	74.00	24.52	peak
2	2483.500	5.60	28.67	41.01	59.03	52.29	74.00	-21.71	peak
3	2495.812	5.61	28.69	41.02	60.27	53.55	74.00	-20.45	peak

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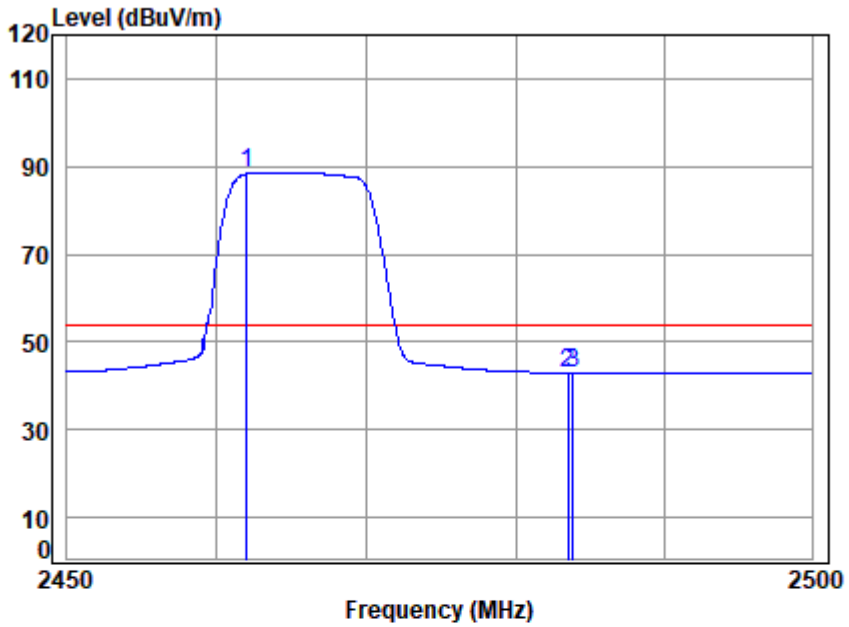
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2465.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	95.52	88.73	54.00	34.73	Average
2	2483.500	5.60	28.67	41.01	49.69	42.95	54.00	-11.05	Average
3	2483.840	5.60	28.67	41.01	49.68	42.94	54.00	-11.06	Average

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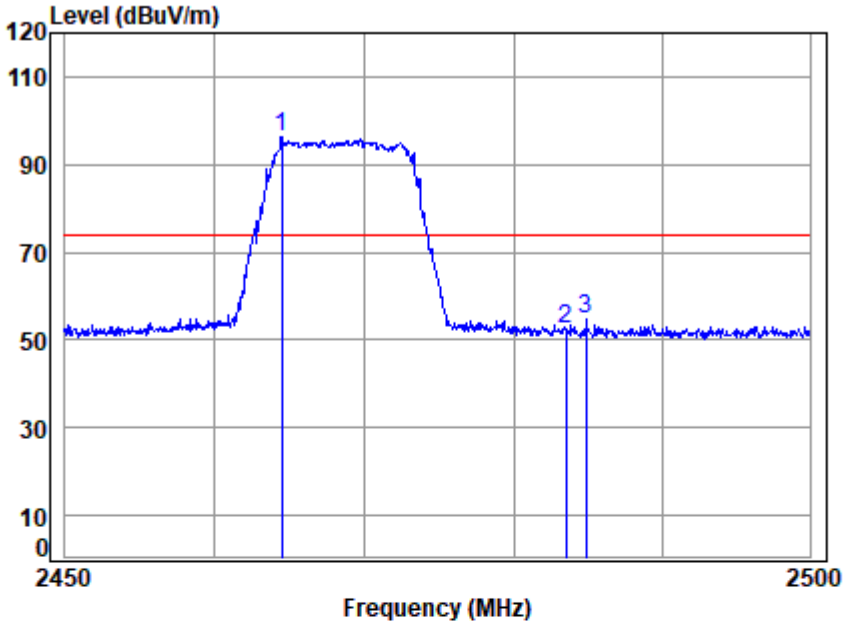
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2468.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2464.446	5.57	28.64	41.00	102.90	96.11	74.00	22.11	Peak
2	2483.500	5.60	28.67	41.01	59.19	52.45	74.00	-21.55	peak
3	2484.894	5.60	28.68	41.01	61.70	54.97	74.00	-19.03	peak

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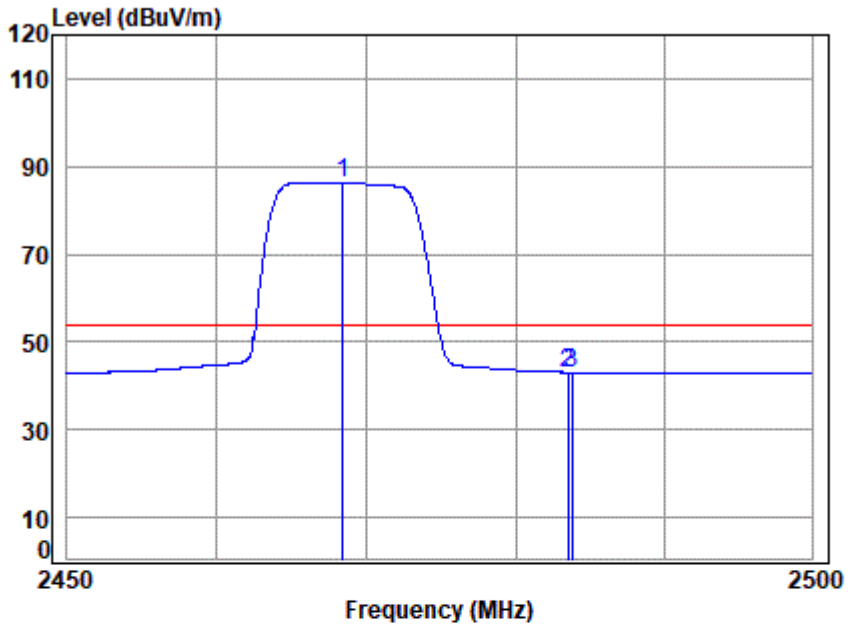
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2468.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2468.432	5.58	28.65	41.00	93.23	86.46	54.00	32.46	Average
2	2483.500	5.60	28.67	41.01	49.80	43.06	54.00	-10.94	Average
3	2483.790	5.60	28.67	41.01	49.81	43.07	54.00	-10.93	Average

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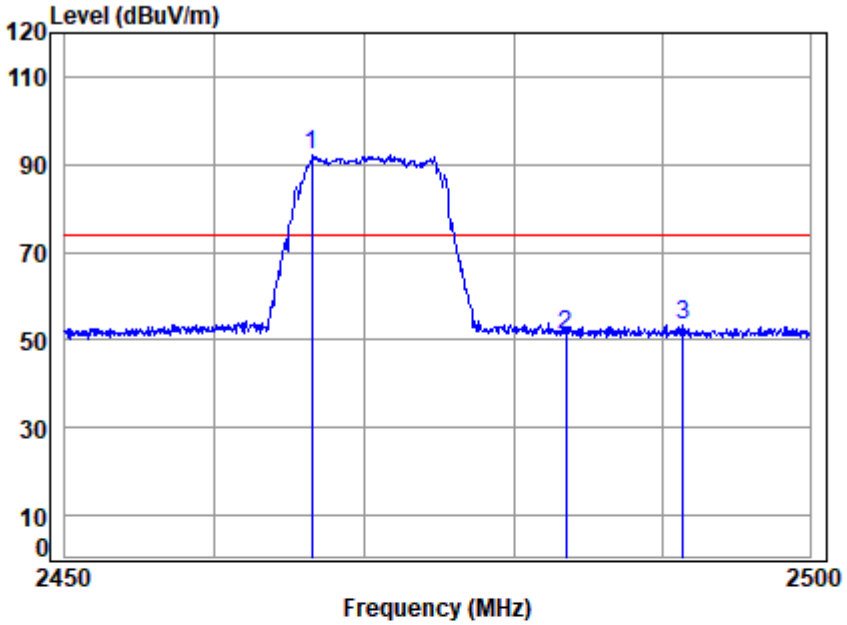
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2470.5MHz; Value: Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2466.488	5.58	28.65	41.00	98.95	92.18	74.00	18.18	Peak
2	2483.500	5.60	28.67	41.01	57.94	51.20	74.00	-22.80	peak
3	2491.428	5.61	28.69	41.01	60.26	53.55	74.00	-20.45	peak

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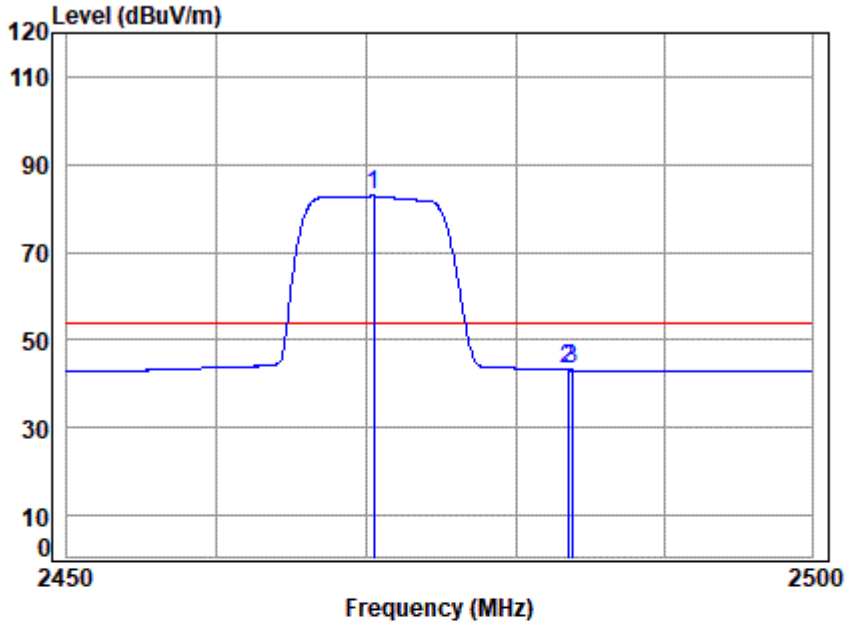
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2470.5MHz; Value: Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2470.478	5.58	28.65	41.01	89.60	82.82	54.00	28.82	Average
2	2483.500	5.60	28.67	41.01	49.87	43.13	54.00	-10.87	Average
3	2483.790	5.60	28.67	41.01	49.87	43.13	54.00	-10.87	Average

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Shenzhen Branch (Guangdong Province) EMC Laboratory

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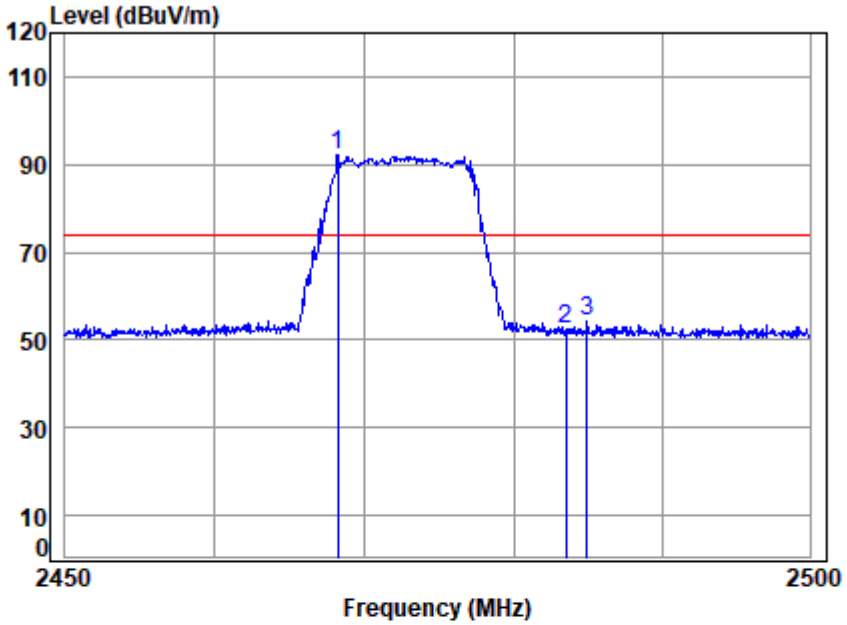

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2472.5 Band edge
Note : 10M

	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 *	2468.183	5.58	28.65	41.00	99.15	92.38	74.00	18.38	Peak
2	2483.500	5.60	28.67	41.01	59.08	52.34	74.00	-21.66	peak
3	2484.944	5.60	28.68	41.01	60.97	54.24	74.00	-19.76	peak

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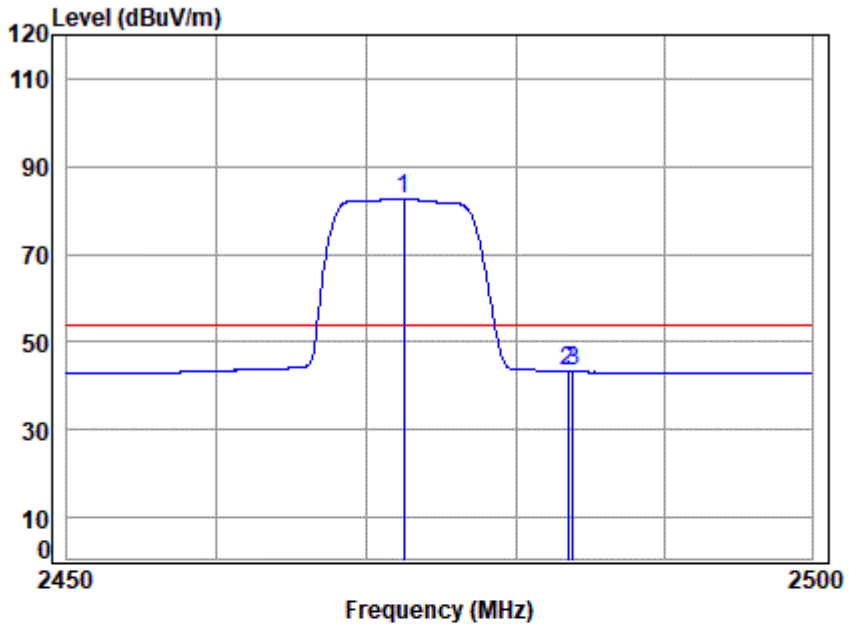
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2472.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2472.475	5.58	28.66	41.01	89.47	82.70	54.00	28.70	Average
2	2483.500	5.60	28.67	41.01	50.04	43.30	54.00	-10.70	Average
3	2483.840	5.60	28.67	41.01	50.00	43.26	54.00	-10.74	Average

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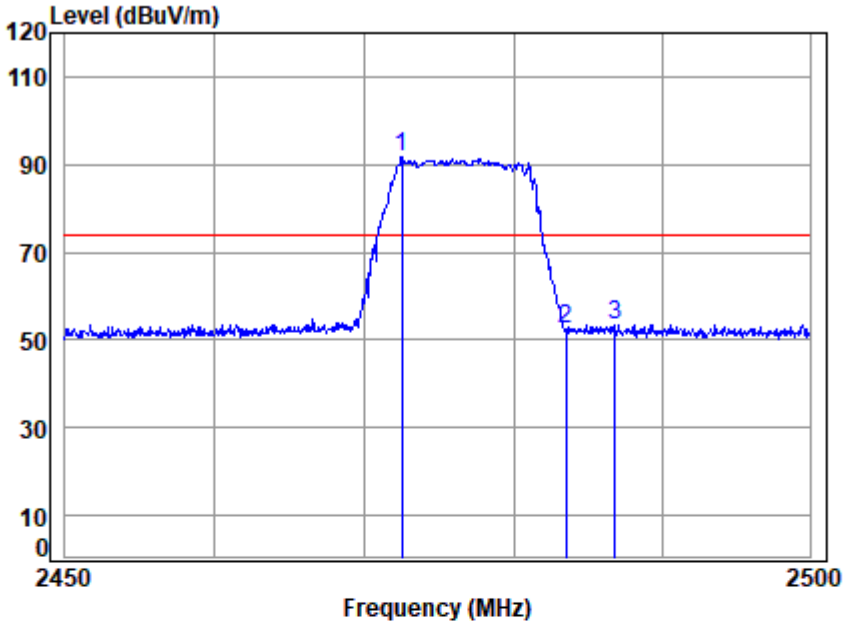
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2476.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2472.475	5.58	28.66	41.01	98.49	91.72	74.00	17.72	Peak
2	2483.500	5.60	28.67	41.01	59.43	52.69	74.00	-21.31	peak
3	2486.802	5.60	28.68	41.01	60.27	53.54	74.00	-20.46	peak

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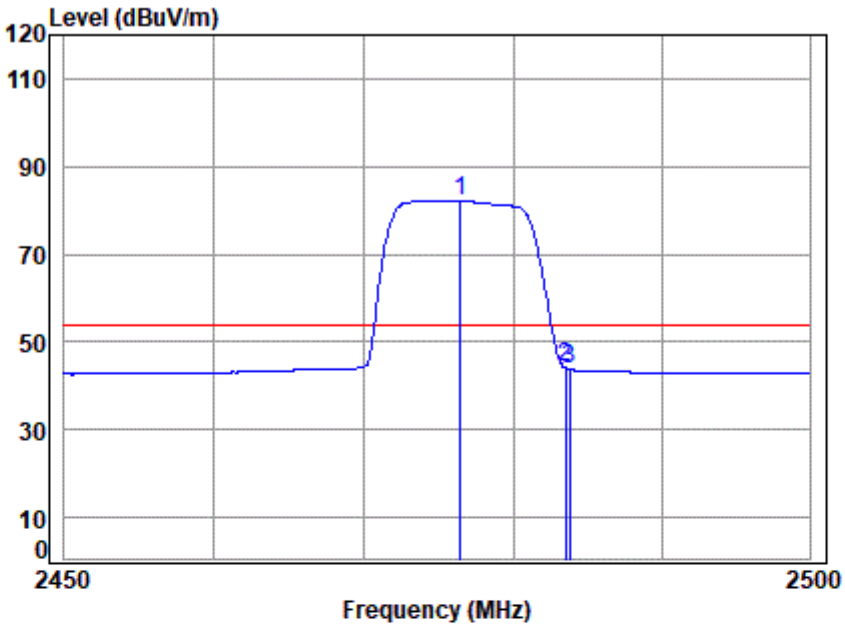
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2476.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2476.474	5.59	28.66	41.01	89.09	82.33	54.00	28.33	Average
2	2483.500	5.60	28.67	41.01	50.79	44.05	54.00	-9.95	Average
3	2483.790	5.60	28.67	41.01	50.42	43.68	54.00	-10.32	Average

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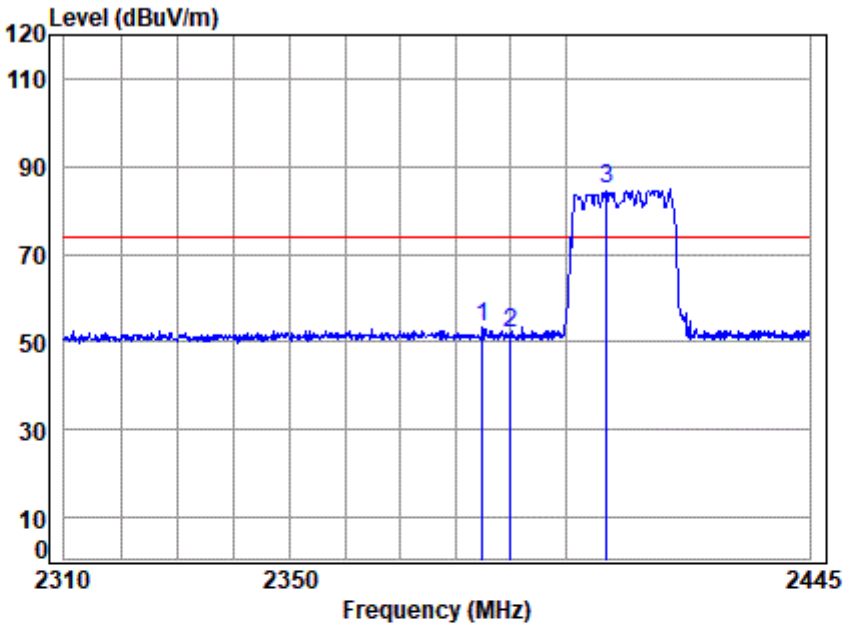
20MHz BW

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2384.790	5.47	28.51	40.97	60.23	53.24	74.00	-20.76	peak
2	2390.000	5.47	28.52	40.97	59.18	52.20	74.00	-21.80	peak
3 *	2407.500	5.50	28.55	40.98	91.63	84.70	74.00	10.70	peak

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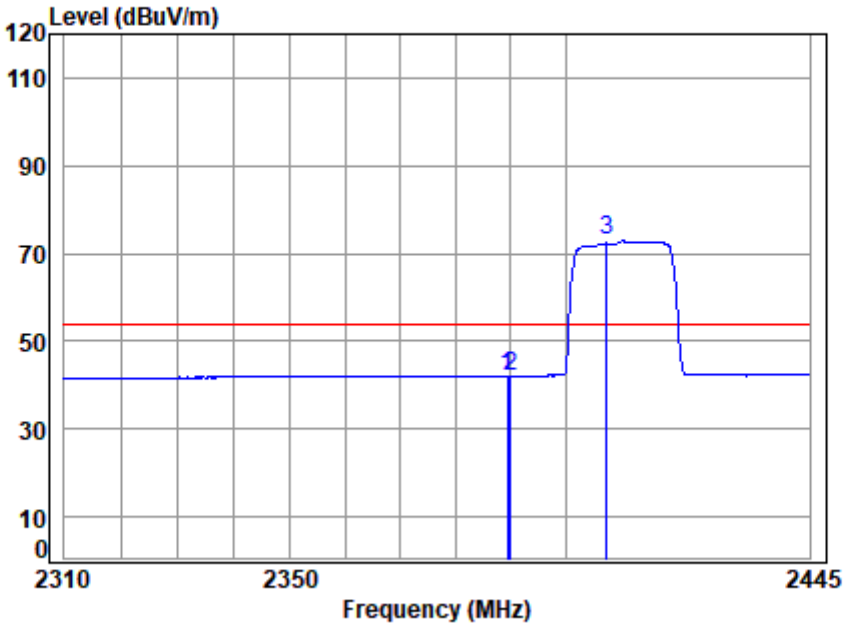
Mode:b; Polarization:Horizontal; Bandwidth:20MHz; Channel:2410.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2389.400	5.47	28.52	40.97	49.08	42.10	54.00	-11.90	Average
2	2390.000	5.47	28.52	40.97	49.04	42.06	54.00	-11.94	Average
3 *	2407.500	5.50	28.55	40.98	79.76	72.83	54.00	18.83	Average

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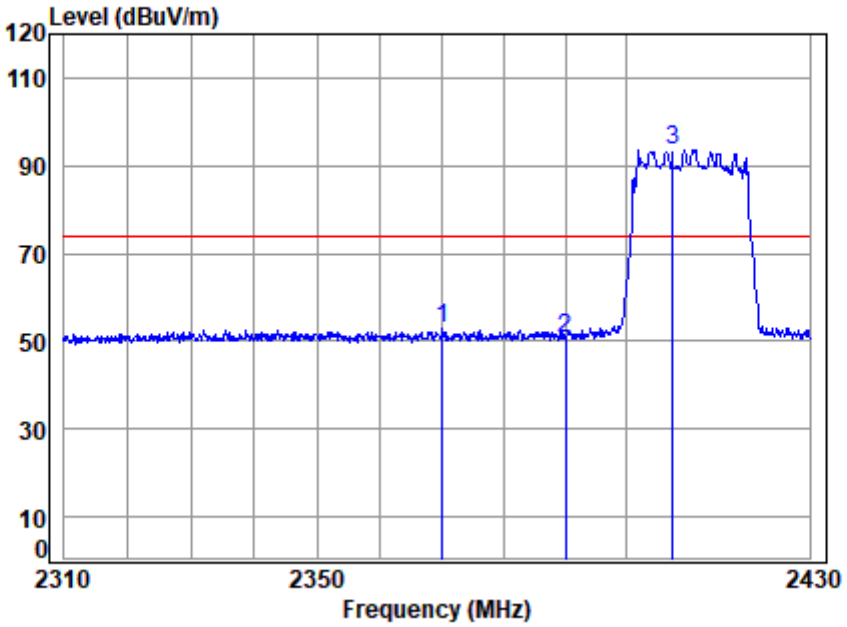
Mode:b; Polarization:Vertical; Bandwidth:20MHz; Channel:2410.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2370.080	5.45	28.48	40.96	59.84	52.81	74.00	-21.19	peak
2	2390.000	5.47	28.52	40.97	57.71	50.73	74.00	-23.27	peak
3 *	2407.500	5.50	28.55	40.98	100.51	93.58	74.00	19.58	peak

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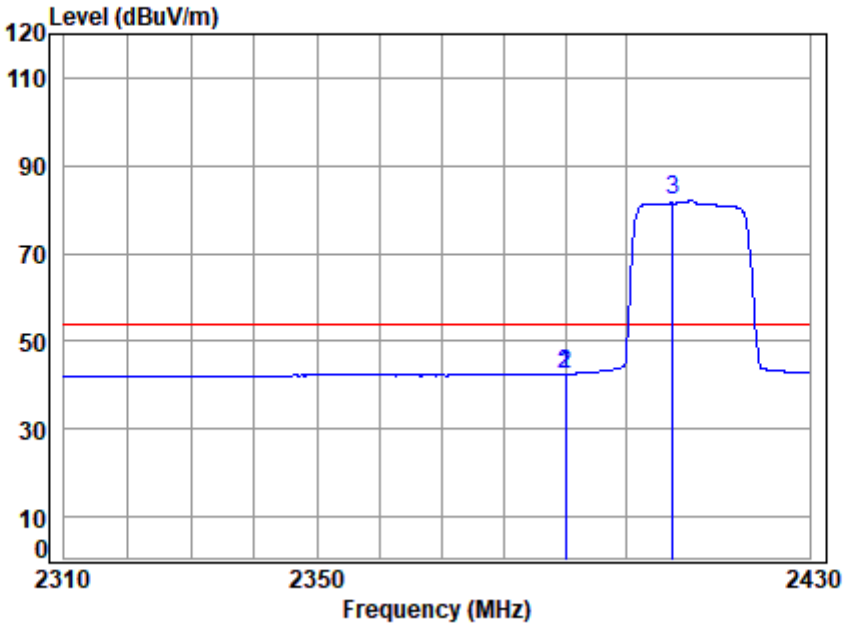
Mode:b; Polarization:Vertical; Bandwidth:20MHz; Channel:2410.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2389.968	5.47	28.52	40.97	49.53	42.55	54.00	-11.45	Average
2	2390.000	5.47	28.52	40.97	49.53	42.55	54.00	-11.45	Average
3 *	2407.500	5.50	28.55	40.98	88.95	82.02	54.00	28.02	Average

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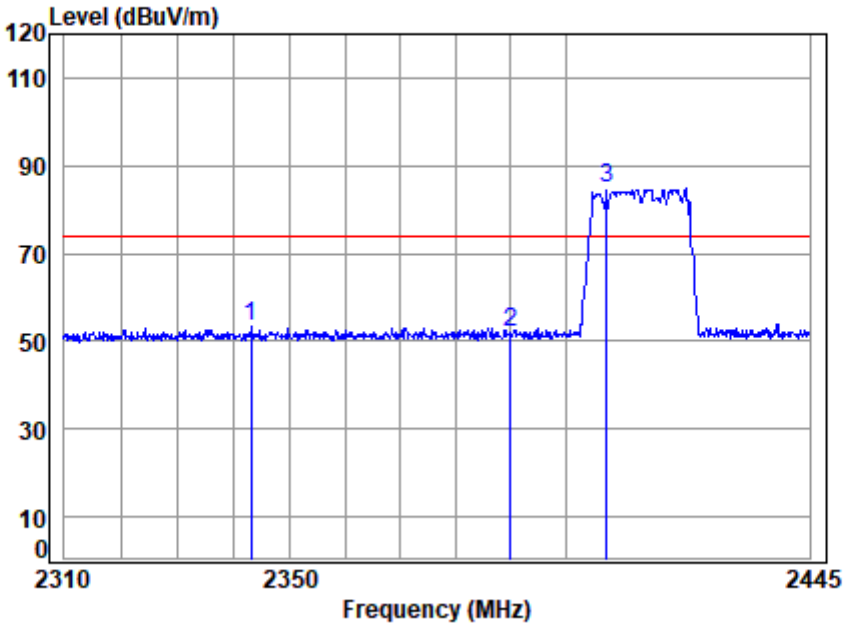
Mode:b; Polarization:Horizontal; Bandwidth:20MHz; Channel:2413.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2413.5 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	2343.168	5.41	28.44	40.95	60.37	53.27	74.00	-20.73	peak
2	2390.000	5.47	28.52	40.97	59.06	52.08	74.00	-21.92	peak
3 *	2407.500	5.50	28.55	40.98	91.61	84.68	74.00	10.68	peak

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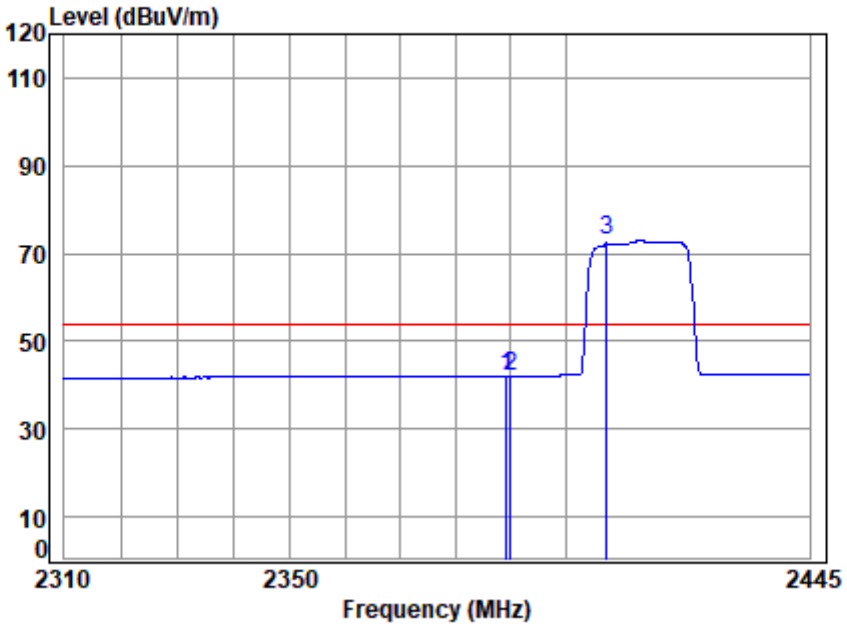
Mode:b; Polarization:Horizontal; Bandwidth:20MHz; Channel:2413.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2413.5 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	2389.264	5.47	28.52	40.97	49.06	42.08	54.00	-11.92	Average
2	2390.000	5.47	28.52	40.97	49.02	42.04	54.00	-11.96	Average
3 *	2407.500	5.50	28.55	40.98	80.01	73.08	54.00	19.08	Average

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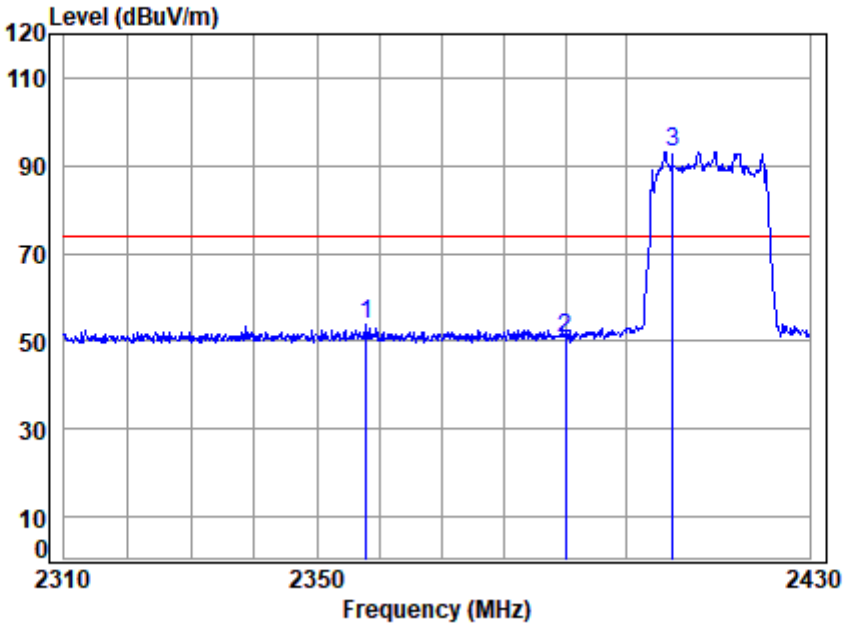
Mode:b; Polarization:Vertical; Bandwidth:20MHz; Channel:2413.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2413.5 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	2357.869	5.43	28.46	40.96	60.76	53.69	74.00	-20.31	peak
2	2390.000	5.47	28.52	40.97	57.57	50.59	74.00	-23.41	peak
3 *	2407.500	5.50	28.55	40.98	100.14	93.21	74.00	19.21	peak

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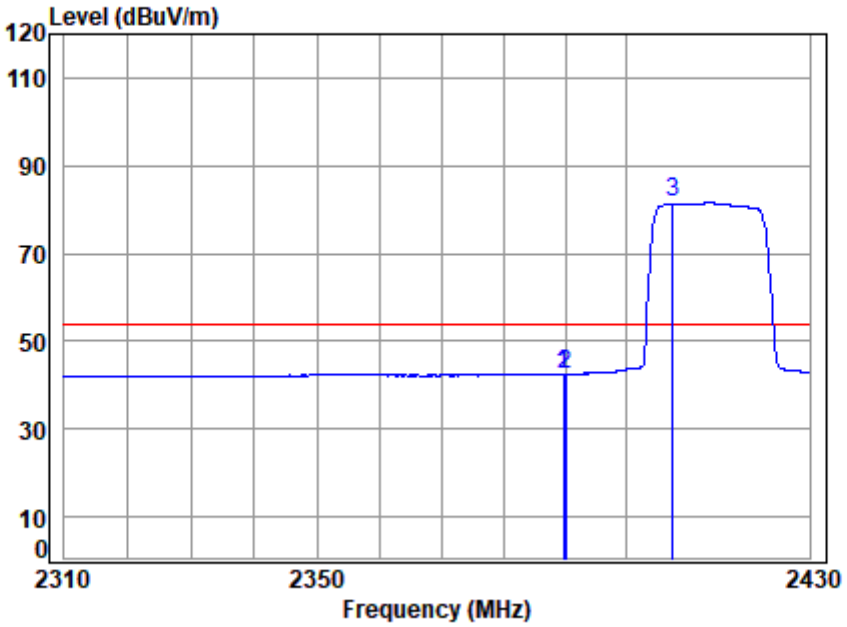
Mode:b; Polarization:Vertical; Bandwidth:20MHz; Channel:2413.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2413.5 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	2389.726	5.47	28.52	40.97	49.45	42.47	54.00	-11.53	Average
2	2390.000	5.47	28.52	40.97	49.43	42.45	54.00	-11.55	Average
3 *	2407.500	5.50	28.55	40.98	88.74	81.81	54.00	27.81	Average

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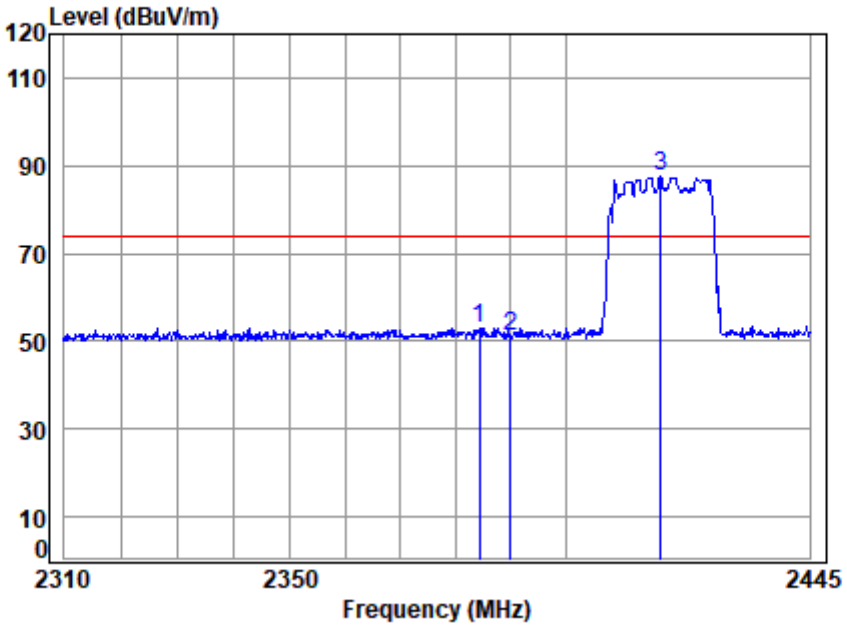
Mode:b; Polarization:Horizontal; Bandwidth:20MHz; Channel:2417.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2417.5 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	2384.248	5.47	28.51	40.97	60.04	53.05	74.00	-20.95	peak
2	2390.000	5.47	28.52	40.97	57.92	50.94	74.00	-23.06	peak
3 *	2417.383	5.51	28.56	40.98	94.39	87.48	74.00	13.48	Peak

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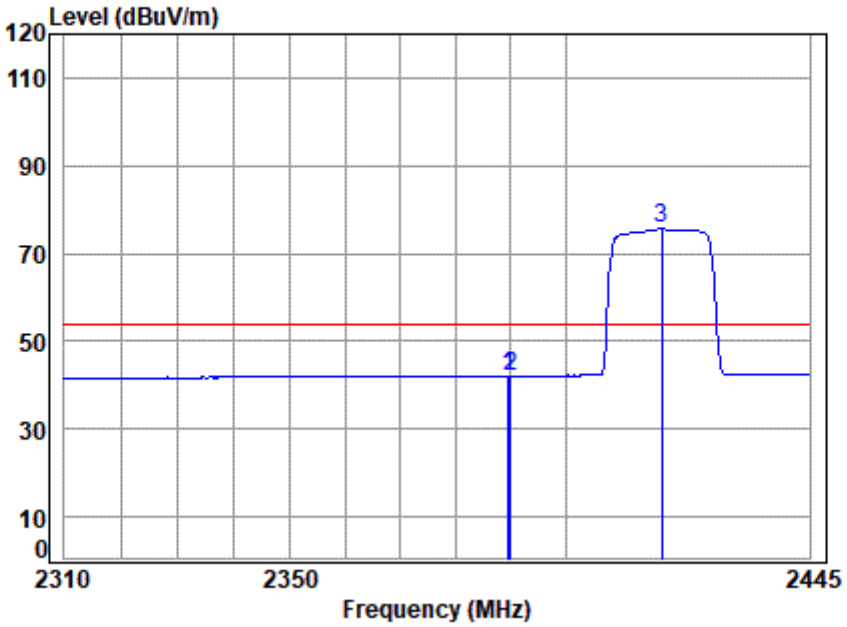
Mode:b; Polarization:Horizontal; Bandwidth:20MHz; Channel:2417.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2417.5 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	49.08	42.10	54.00	-11.90	Average
2	2390.000	5.47	28.52	40.97	49.03	42.05	54.00	-11.95	Average
3 *	2417.521	5.51	28.56	40.98	82.64	75.73	54.00	21.73	Average

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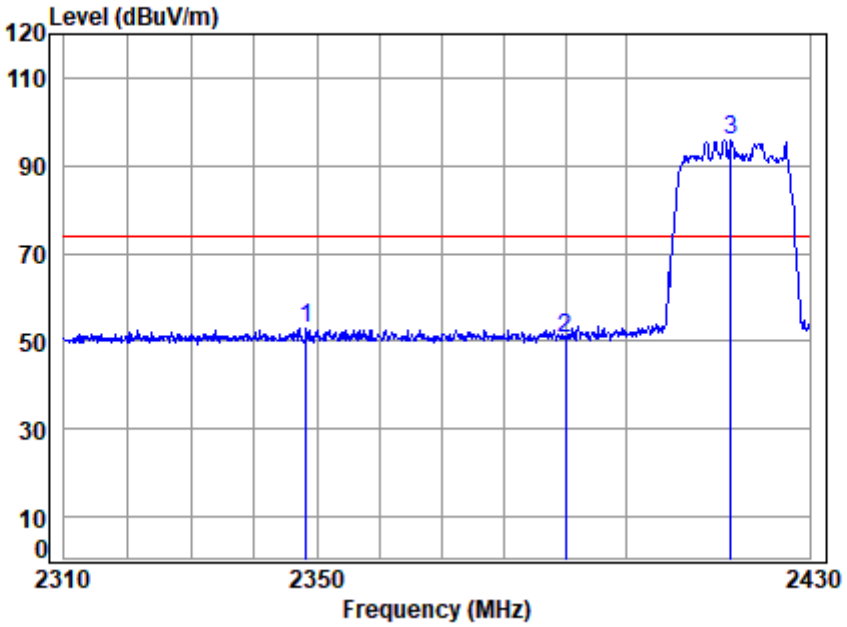
Mode:b; Polarization:Vertical; Bandwidth:20MHz; Channel:2417.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2417.5 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	2348.217	5.42	28.45	40.95	60.14	53.06	74.00	-20.94	peak
2	2390.000	5.47	28.52	40.97	57.66	50.68	74.00	-23.32	peak
3 *	2416.990	5.51	28.56	40.98	102.57	95.66	74.00	21.66	Peak

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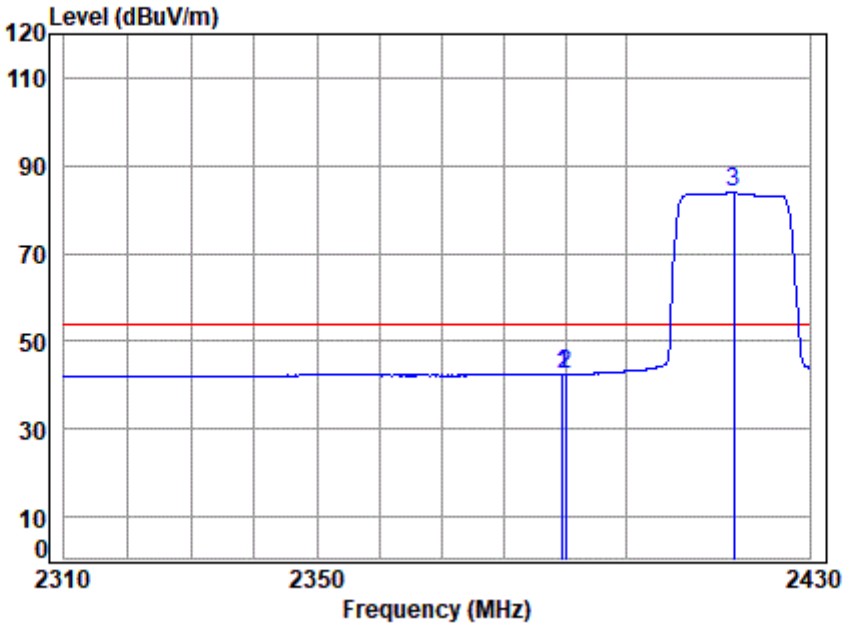
Mode:b; Polarization:Vertical; Bandwidth:20MHz; Channel:2417.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2417.5 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	2389.484	5.47	28.52	40.97	49.41	42.43	54.00	-11.57	Average
2	2390.000	5.47	28.52	40.97	49.41	42.43	54.00	-11.57	Average
3 *	2417.480	5.51	28.56	40.98	90.95	84.04	54.00	30.04	Average

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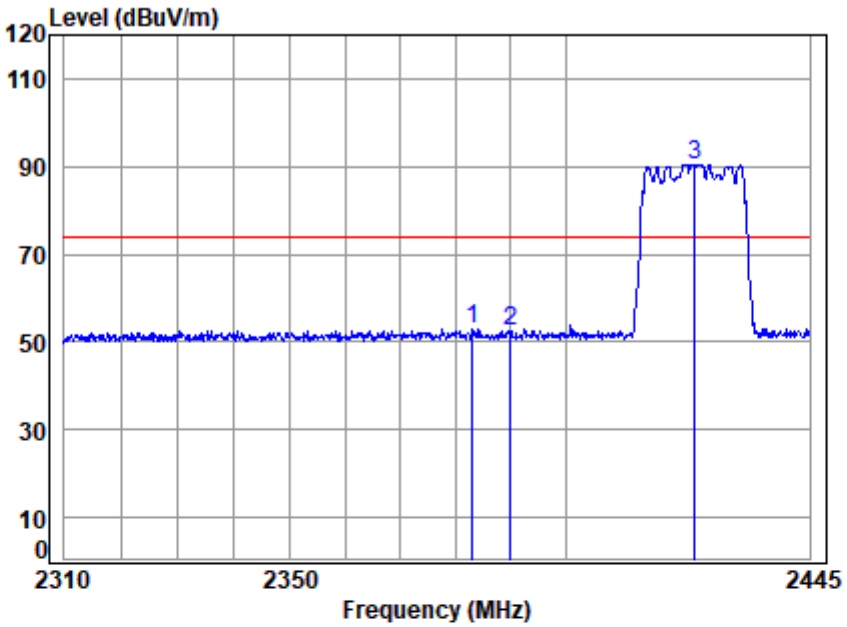
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2423.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2383.030	5.47	28.51	40.97	60.12	53.13	74.00	-20.87	peak
2	2390.000	5.47	28.52	40.97	59.36	52.38	74.00	-21.62	peak
3 *	2423.707	5.52	28.57	40.99	97.46	90.56	74.00	16.56	Peak

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch (Guangdong Province) EMC Laboratory

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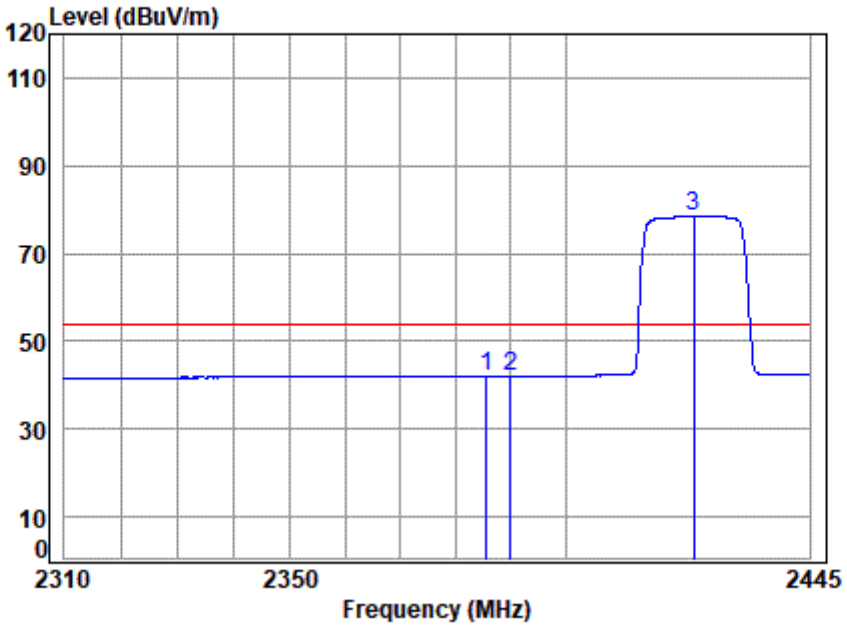
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2423.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2385.603	5.47	28.51	40.97	49.10	42.11	54.00	-11.89	Average
2	2390.000	5.47	28.52	40.97	49.02	42.04	54.00	-11.96	Average
3 *	2423.570	5.52	28.57	40.99	85.57	78.67	54.00	24.67	Average

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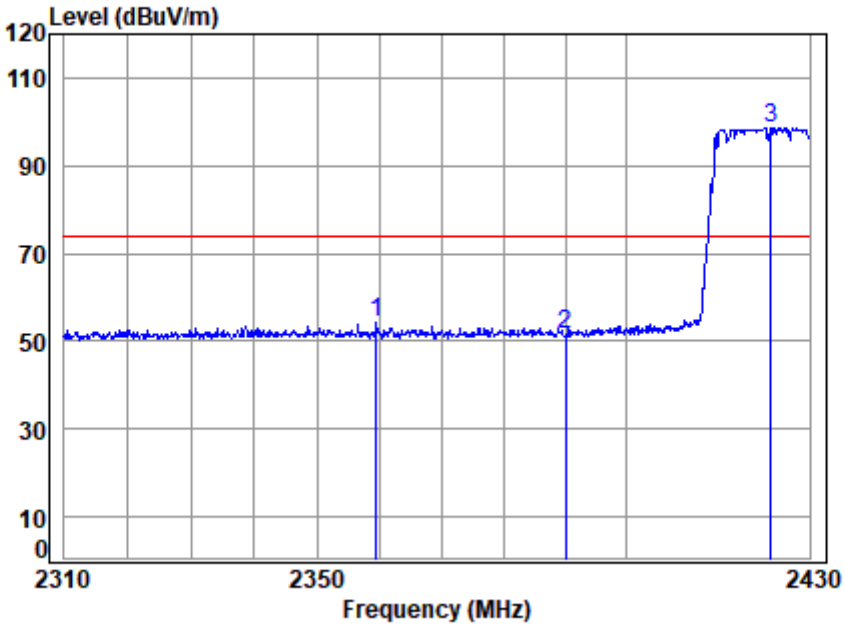
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2423.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2359.541	5.43	28.47	40.96	61.15	54.09	74.00	-19.91	peak
2	2390.000	5.47	28.52	40.97	58.49	51.51	74.00	-22.49	peak
3 *	2423.609	5.52	28.57	40.99	105.57	98.67	74.00	24.67	Peak

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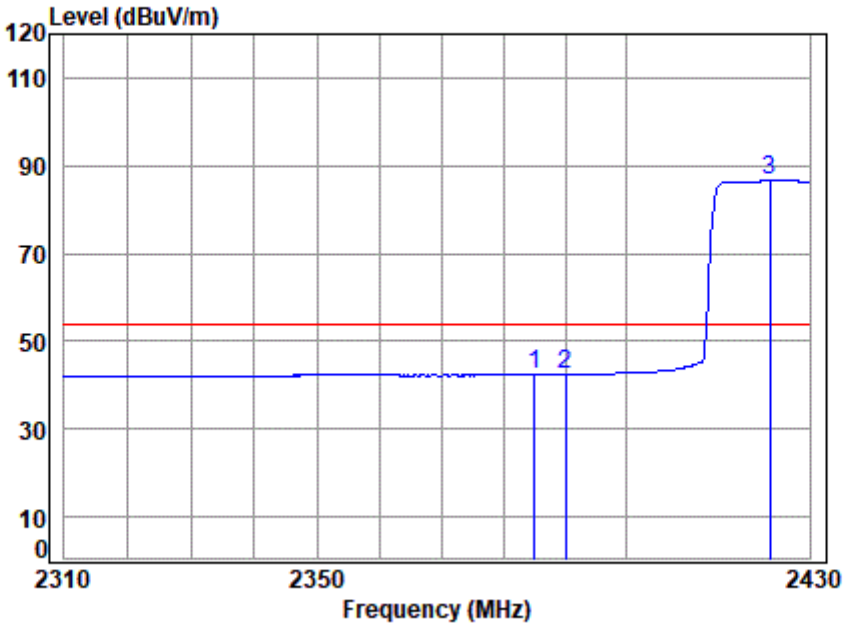
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2423.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2385.011	5.47	28.51	40.97	49.47	42.48	54.00	-11.52	Average
2	2390.000	5.47	28.52	40.97	49.37	42.39	54.00	-11.61	Average
3 *	2423.486	5.52	28.57	40.99	93.62	86.72	54.00	32.72	Average

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Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Laboratory

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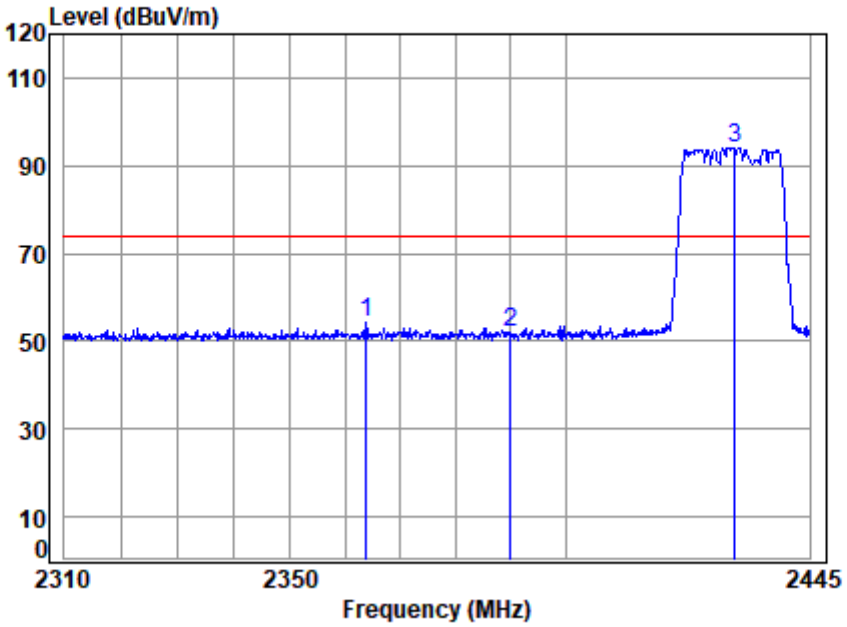
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2430.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2363.753	5.44	28.47	40.96	61.27	54.22	74.00	-19.78	peak
2	2390.000	5.47	28.52	40.97	58.77	51.79	74.00	-22.21	peak
3 *	2431.152	5.53	28.59	40.99	100.88	94.01	74.00	20.01	Peak

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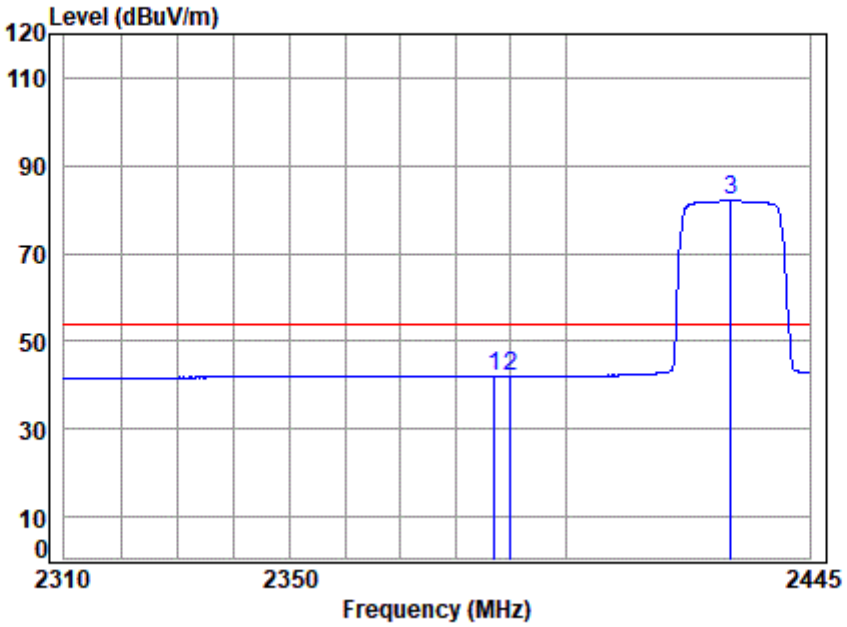
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2430.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	2386.958	5.47	28.51	40.97	49.08	42.09	54.00	-11.91	Average
2	2390.000	5.47	28.52	40.97	49.02	42.04	54.00	-11.96	Average
3 *	2430.324	5.53	28.59	40.99	88.93	82.06	54.00	28.06	Average

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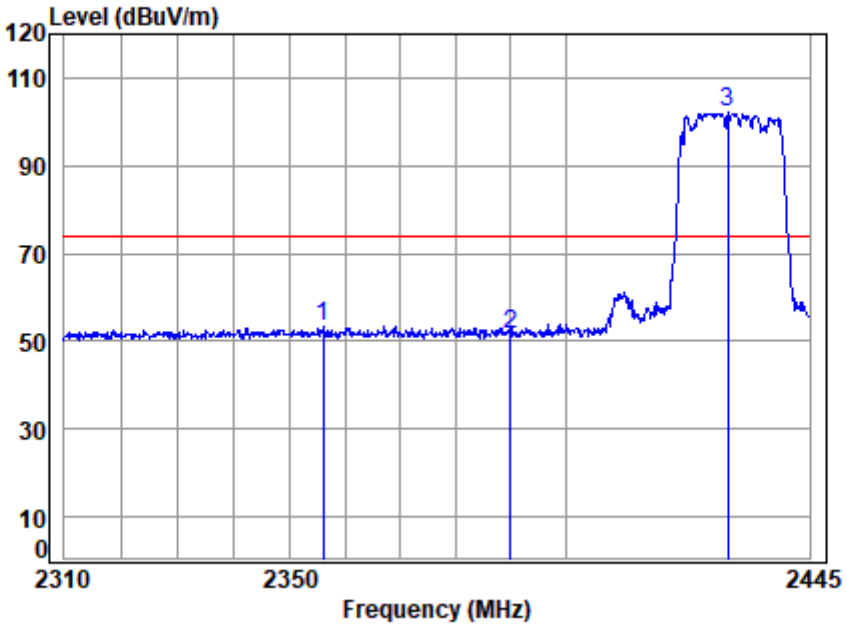
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2430.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2356.113	5.43	28.46	40.96	60.46	53.39	74.00	-20.61	peak
2	2390.000	5.47	28.52	40.97	58.47	51.49	74.00	-22.51	peak
3 *	2429.910	5.53	28.59	40.99	108.92	102.05	74.00	28.05	Peak

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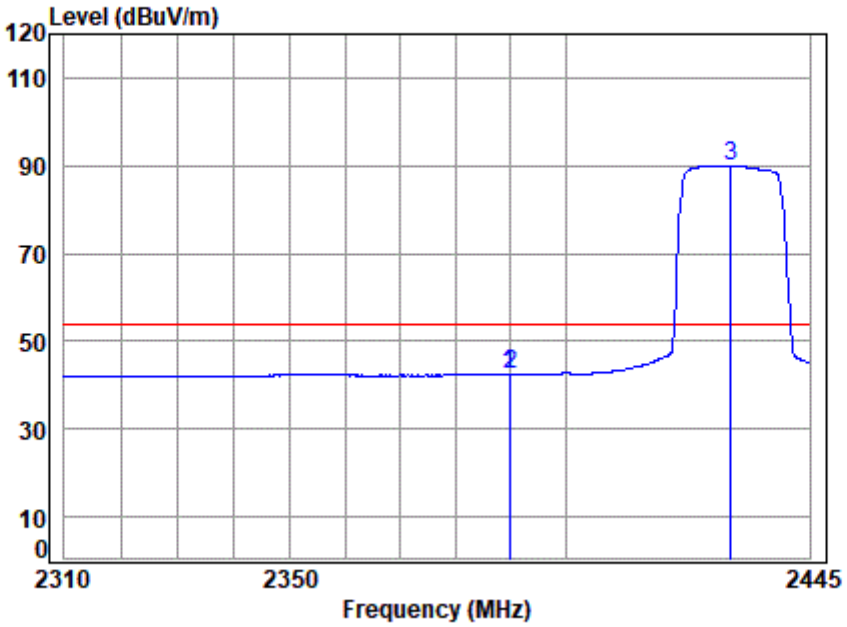
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2430.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	2389.807	5.47	28.52	40.97	49.32	42.34	54.00	-11.66	Average
2	2390.000	5.47	28.52	40.97	49.32	42.34	54.00	-11.66	Average
3 *	2430.324	5.53	28.59	40.99	96.94	90.07	54.00	36.07	Average

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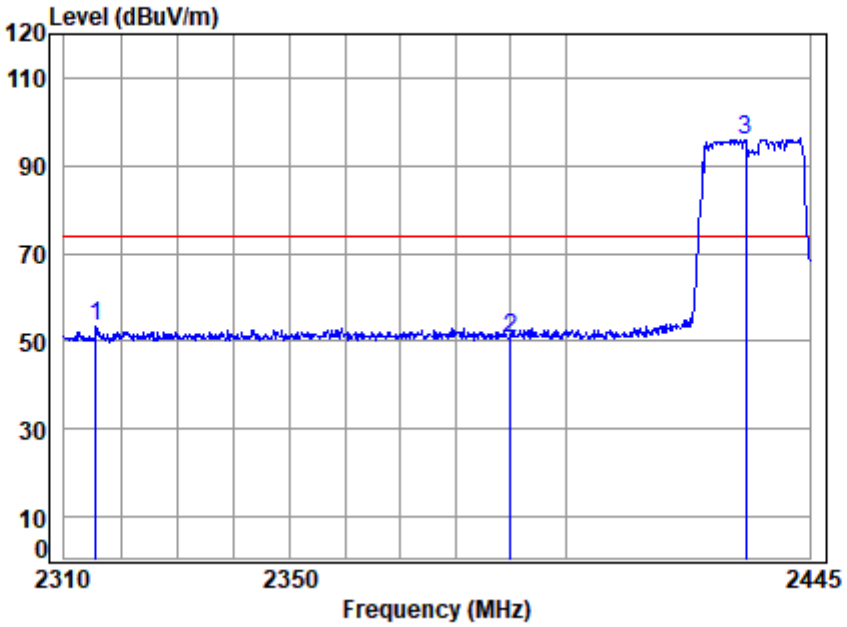
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2434.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2434.5 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	2315.649	5.37	28.39	40.94	60.37	53.19	74.00	-20.81	peak
2	2390.000	5.47	28.52	40.97	57.51	50.53	74.00	-23.47	peak
3 *	2433.086	5.53	28.59	40.99	102.64	95.77	74.00	21.77	Peak

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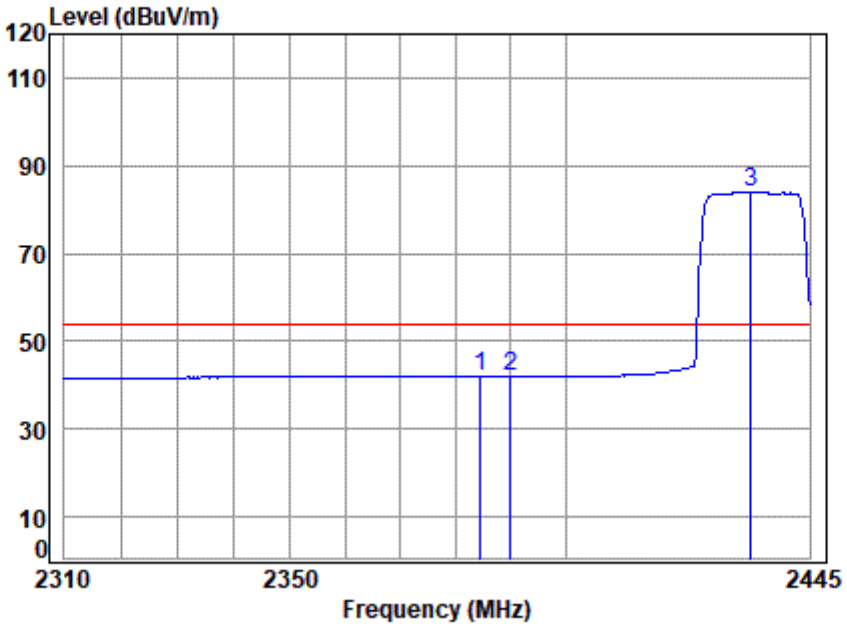
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2434.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2434.5 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	2384.384	5.47	28.51	40.97	49.07	42.08	54.00	-11.92	Average
2	2390.000	5.47	28.52	40.97	49.04	42.06	54.00	-11.94	Average
3 *	2434.054	5.53	28.59	40.99	90.85	83.98	54.00	29.98	Average

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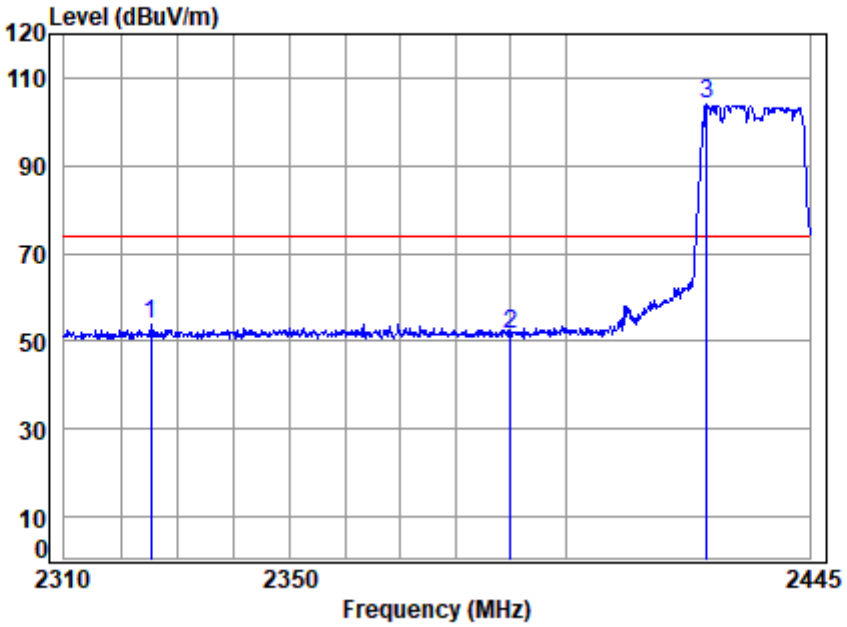
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2434.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2434.5 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	2325.270	5.39	28.41	40.94	61.04	53.90	74.00	-20.10	peak
2	2390.000	5.47	28.52	40.97	58.63	51.65	74.00	-22.35	peak
3 *	2425.911	5.52	28.58	40.99	110.83	103.94	74.00	29.94	Peak

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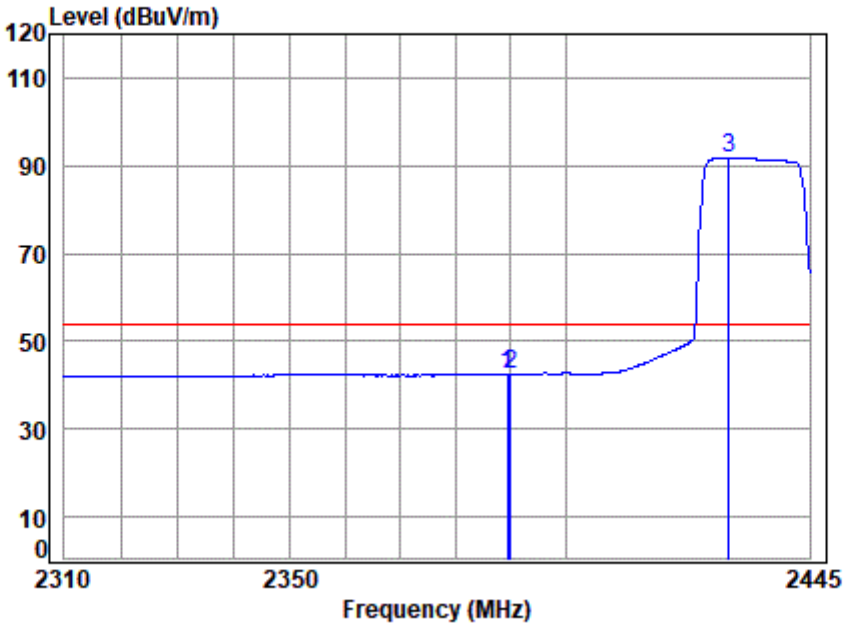
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2434.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2434.5 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	2389.400	5.47	28.52	40.97	49.34	42.36	54.00	-11.64	Average
2	2390.000	5.47	28.52	40.97	49.34	42.36	54.00	-11.64	Average
3 *	2430.048	5.53	28.59	40.99	98.63	91.76	54.00	37.76	Average

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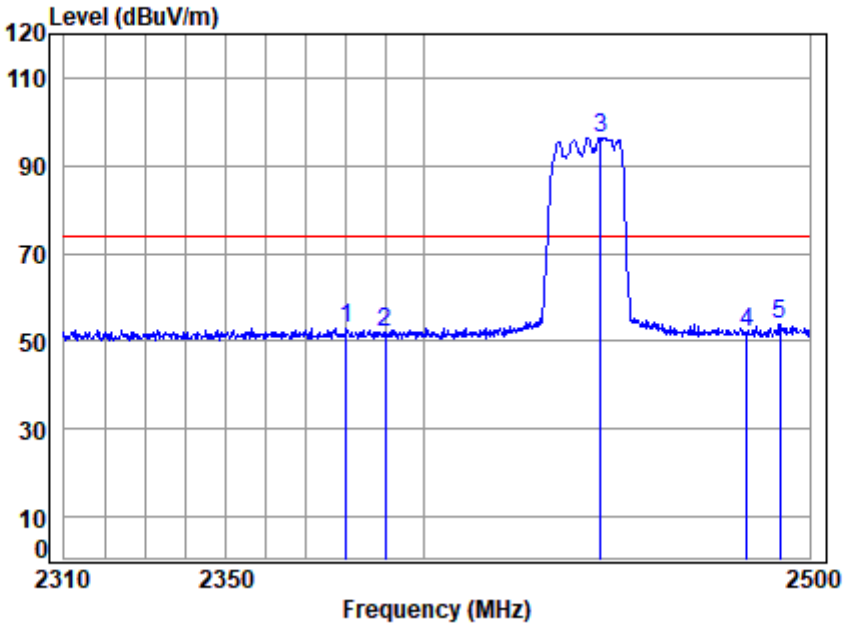
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2441.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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		2380.249	5.46	28.50	40.97	59.96	52.95	74.00	-21.05	Peak
2		2390.000	5.47	28.52	40.97	59.10	52.12	74.00	-21.88	Peak
3	*	2445.278	5.55	28.61	41.00	103.06	96.22	74.00	22.22	Peak
4		2483.500	5.60	28.67	41.01	58.75	52.01	74.00	-21.99	Peak
5		2492.108	5.61	28.69	41.01	60.42	53.71	74.00	-20.29	Peak

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch China National EMC Laboratory

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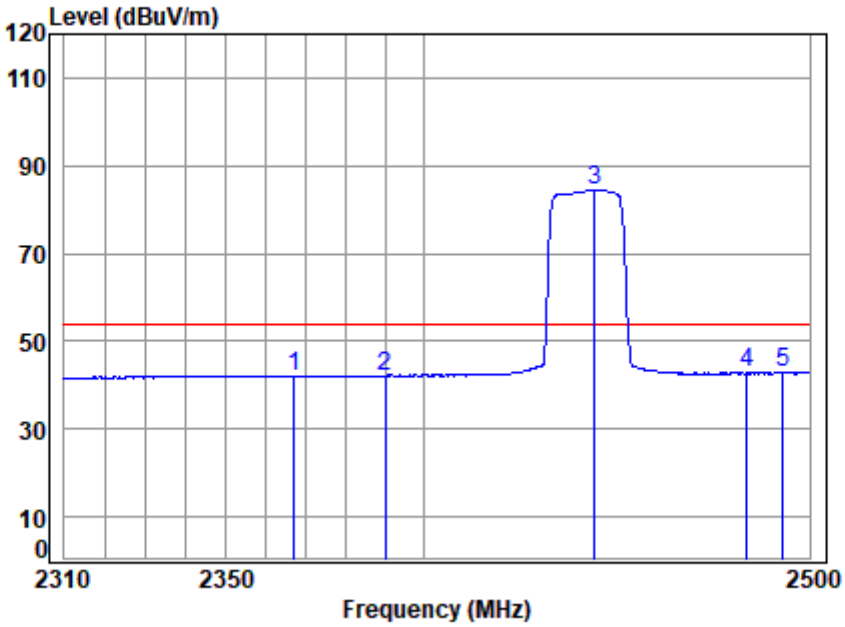
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2441.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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		2366.928	5.44	28.48	40.96	49.23	42.19	54.00	-11.81	Average
2		2390.000	5.47	28.52	40.97	49.07	42.09	54.00	-11.91	Average
3	*	2443.732	5.55	28.61	40.99	91.29	84.46	54.00	30.46	Average
4		2483.500	5.60	28.67	41.01	49.41	42.67	54.00	-11.33	Average
5		2492.896	5.61	28.69	41.01	49.52	42.81	54.00	-11.19	Average

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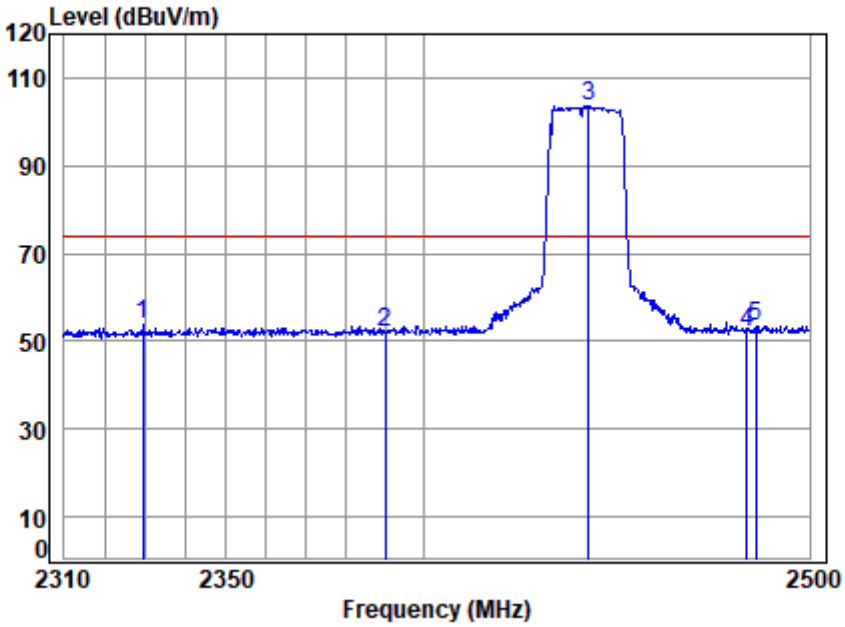
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2441.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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		2329.436	5.39	28.41	40.95	60.92	53.77	74.00	-20.23	Peak
2		2390.000	5.47	28.52	40.97	59.21	52.23	74.00	-21.77	Peak
3	*	2442.187	5.54	28.61	40.99	110.27	103.43	74.00	29.43	Peak
4		2483.500	5.60	28.67	41.01	58.72	51.98	74.00	-22.02	Peak
5		2485.813	5.60	28.68	41.01	60.32	53.59	74.00	-20.41	Peak

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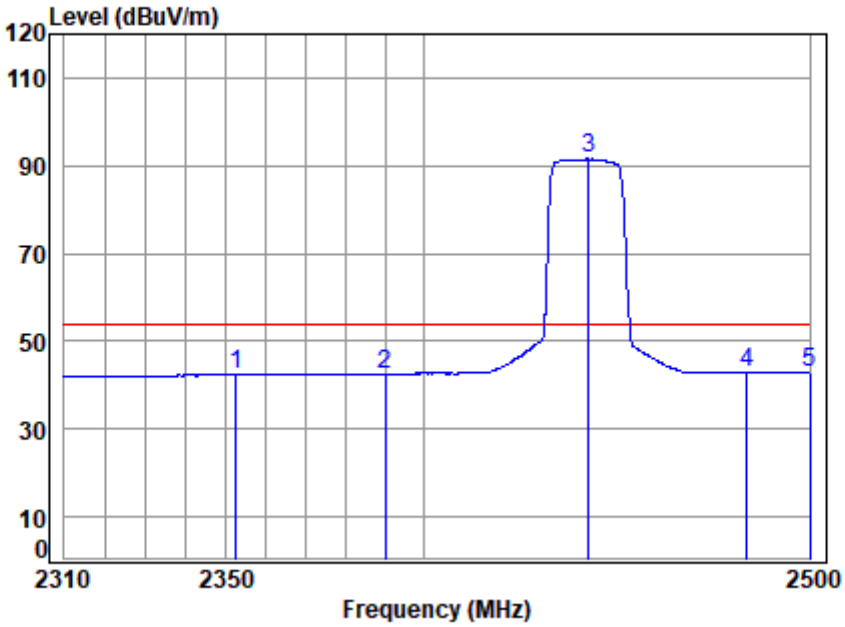
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2441.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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		2352.566	5.42	28.45	40.96	49.57	42.48	54.00	-11.52	Average
2		2390.000	5.47	28.52	40.97	49.48	42.50	54.00	-11.50	Average
3	*	2442.187	5.54	28.61	40.99	98.34	91.50	54.00	37.50	Average
4		2483.500	5.60	28.67	41.01	49.63	42.89	54.00	-11.11	Average
5		2500.000	5.62	28.70	41.02	49.68	42.98	54.00	-11.02	Average

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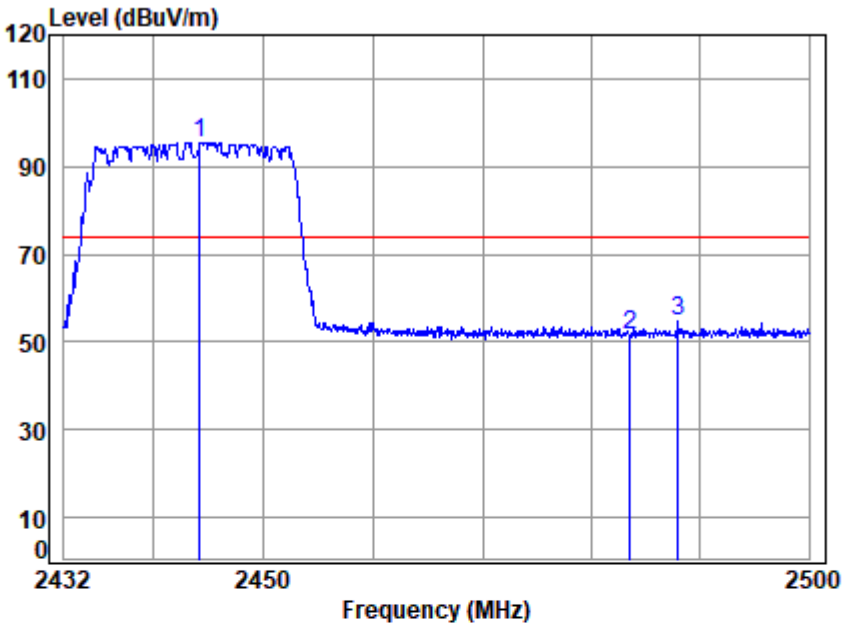
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2443.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2444.237	5.55	28.61	40.99	102.23	95.40	74.00	21.40	Peak
2	2483.500	5.60	28.67	41.01	58.30	51.56	74.00	-22.44	peak
3	2487.896	5.60	28.68	41.01	61.31	54.58	74.00	-19.42	peak

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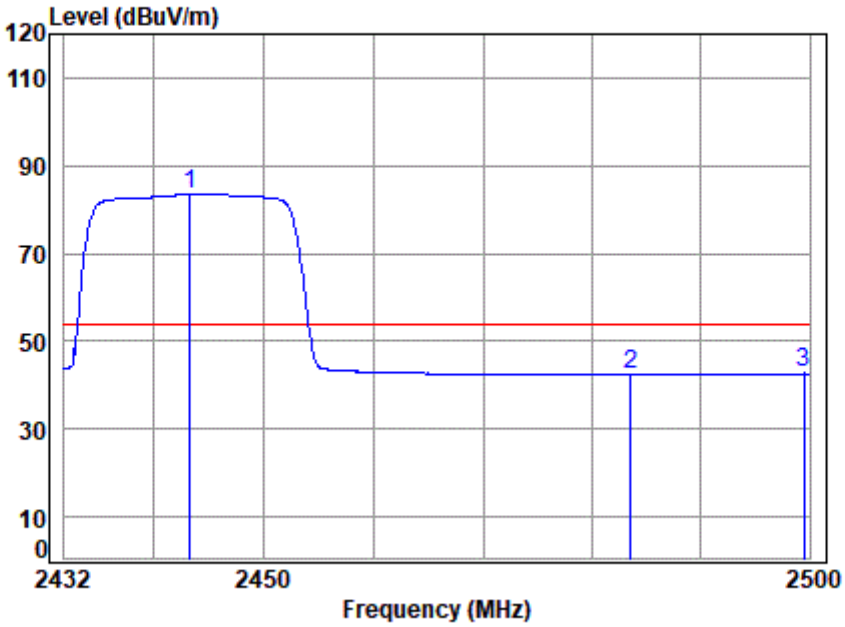
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2443.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2443.361	5.55	28.61	40.99	90.36	83.53	54.00	29.53	Average
2	2483.500	5.60	28.67	41.01	49.31	42.57	54.00	-11.43	Average
3	2499.448	5.62	28.70	41.02	49.36	42.66	54.00	-11.34	Average

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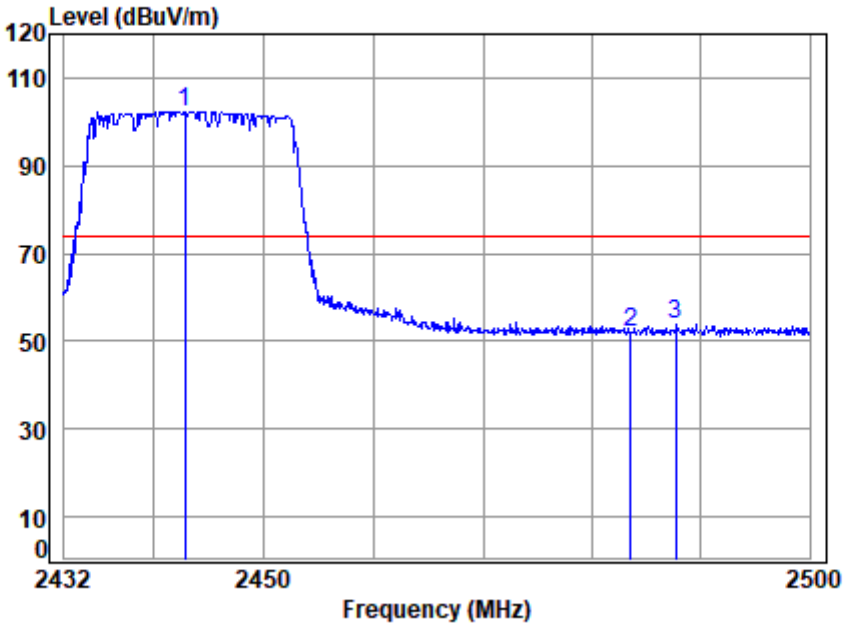

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2443.5 Band edge
Note : 20M

	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 *	2442.889	5.55	28.61	40.99	109.20	102.37	74.00	28.37	Peak
2	2483.500	5.60	28.67	41.01	58.72	51.98	74.00	-22.02	peak
3	2487.690	5.60	28.68	41.01	60.63	53.90	74.00	-20.10	peak

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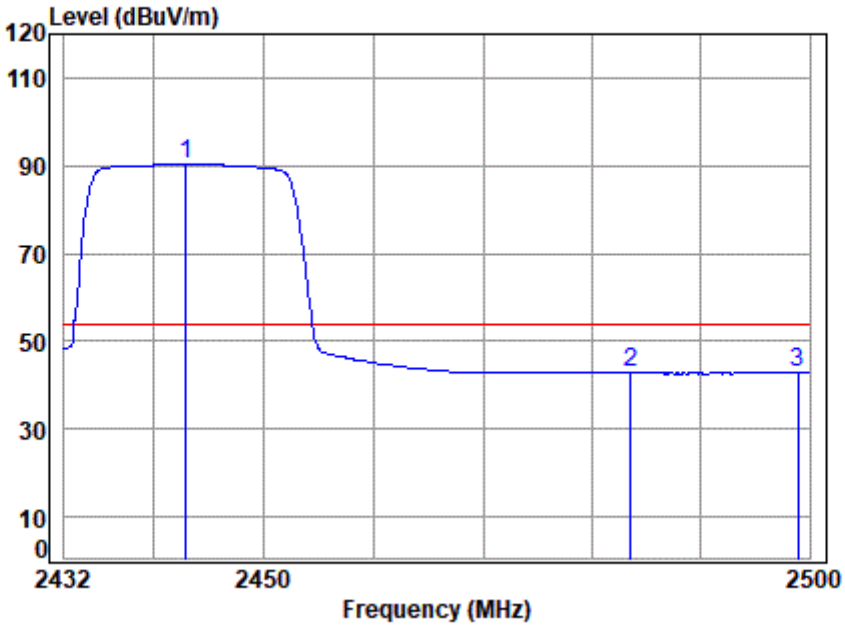

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2443.5 Band edge
Note : 20M

	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 *	2442.957	5.55	28.61	40.99	97.27	90.44	54.00	36.44	Average
2	2483.500	5.60	28.67	41.01	49.44	42.70	54.00	-11.30	Average
3	2498.966	5.62	28.70	41.02	49.43	42.73	54.00	-11.27	Average

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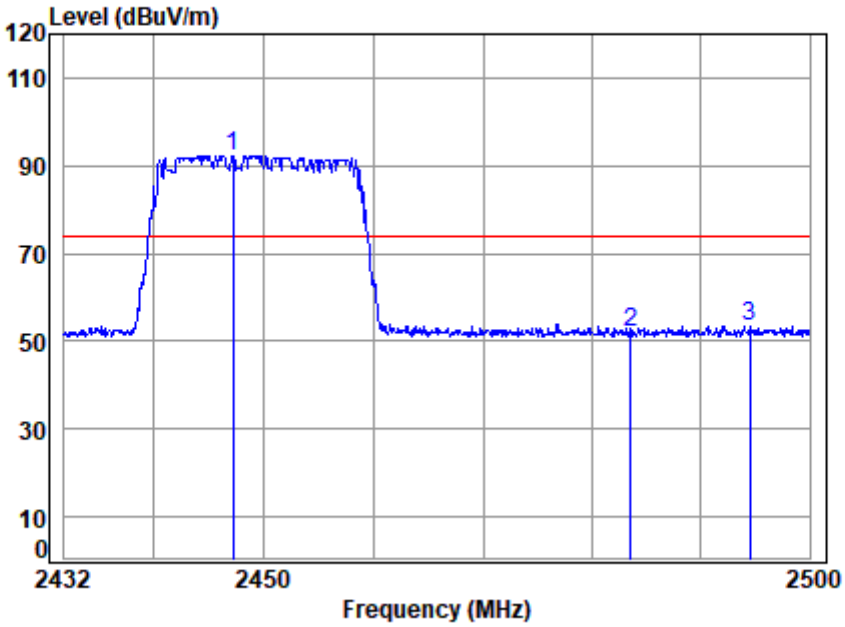
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2449.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2447.204	5.55	28.61	41.00	99.02	92.18	74.00	18.18	Peak
2	2483.500	5.60	28.67	41.01	58.65	51.91	74.00	-22.09	peak
3	2494.491	5.61	28.69	41.02	60.22	53.50	74.00	-20.50	peak

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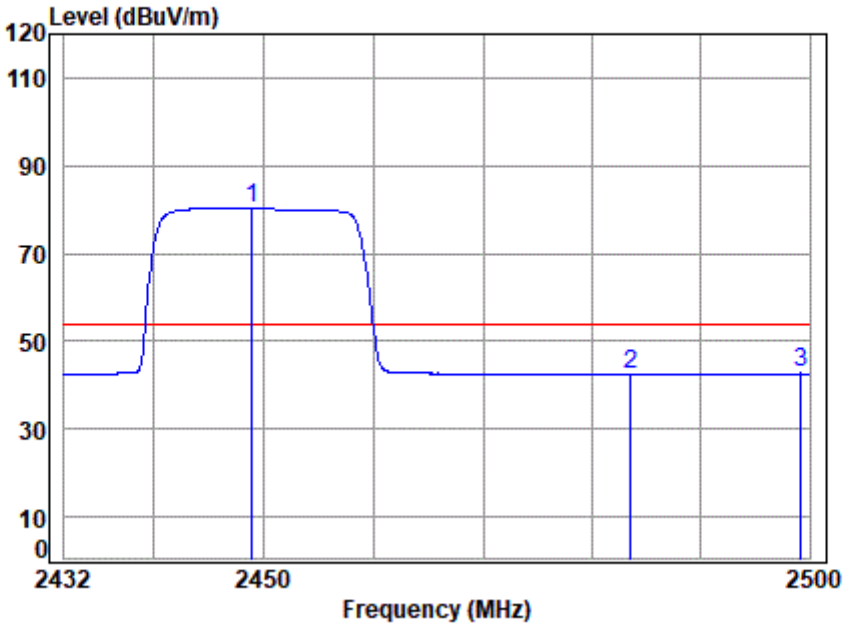
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2449.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2448.960	5.55	28.62	41.00	87.18	80.35	54.00	26.35	Average
2	2483.500	5.60	28.67	41.01	49.32	42.58	54.00	-11.42	Average
3	2499.242	5.62	28.70	41.02	49.37	42.67	54.00	-11.33	Average

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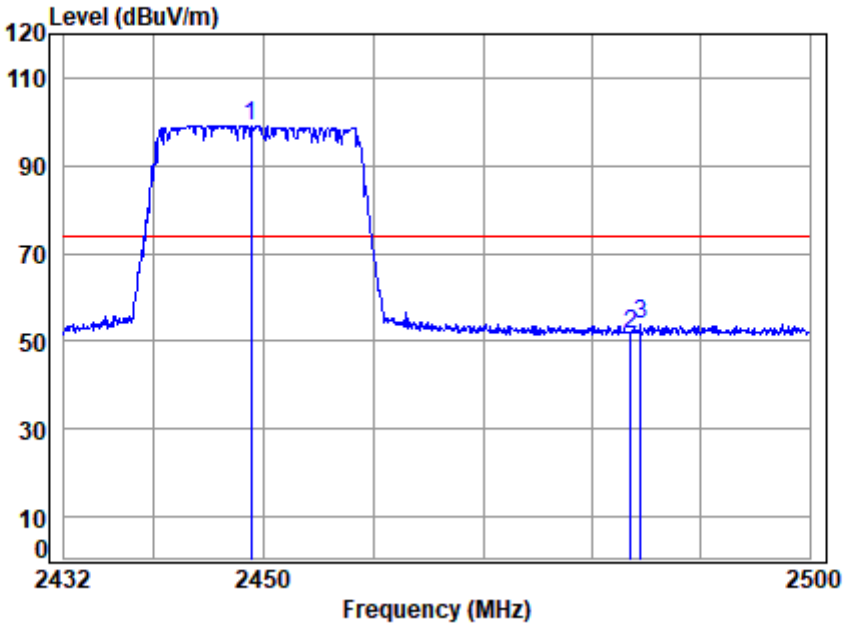
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2449.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2448.892	5.55	28.62	41.00	105.84	99.01	74.00	25.01	Peak
2	2483.500	5.60	28.67	41.01	58.32	51.58	74.00	-22.42	peak
3	2484.399	5.60	28.67	41.01	60.77	54.03	74.00	-19.97	peak

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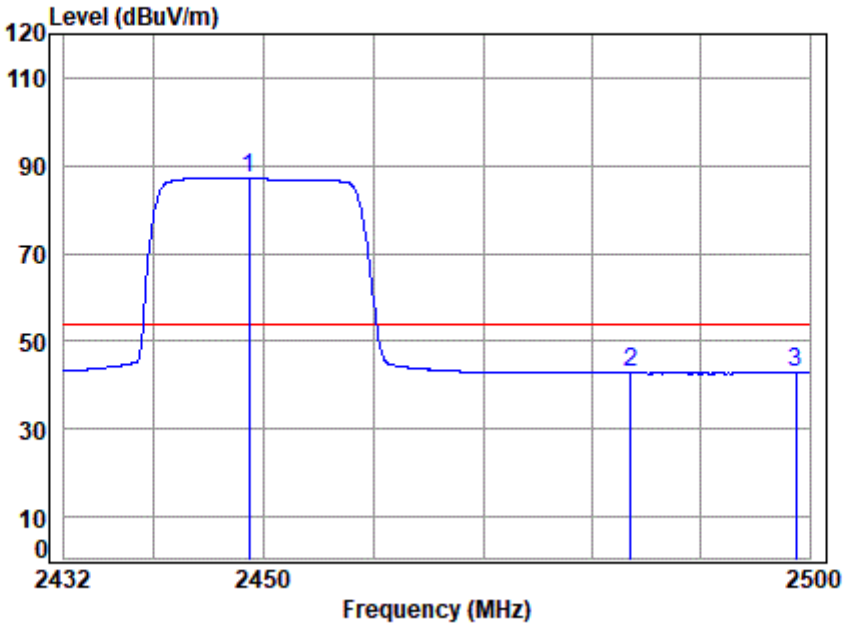
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2449.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2448.689	5.55	28.62	41.00	93.96	87.13	54.00	33.13	Average
2	2483.500	5.60	28.67	41.01	49.43	42.69	54.00	-11.31	Average
3	2498.759	5.62	28.70	41.02	49.43	42.73	54.00	-11.27	Average

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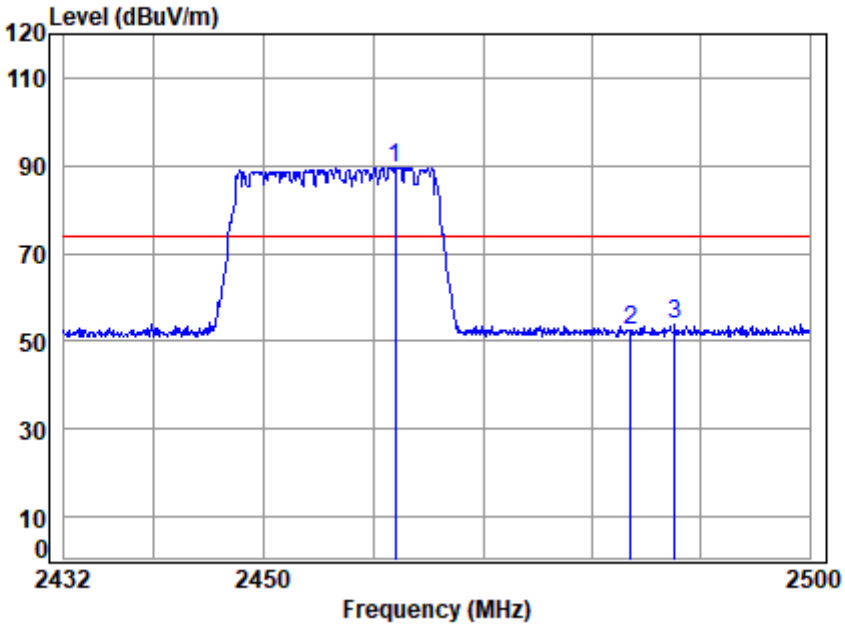
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2456.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	96.30	89.51	74.00	15.51	peak
2	2483.500	5.60	28.67	41.01	59.05	52.31	74.00	-21.69	peak
3	2487.552	5.60	28.68	41.01	60.65	53.92	74.00	-20.08	peak

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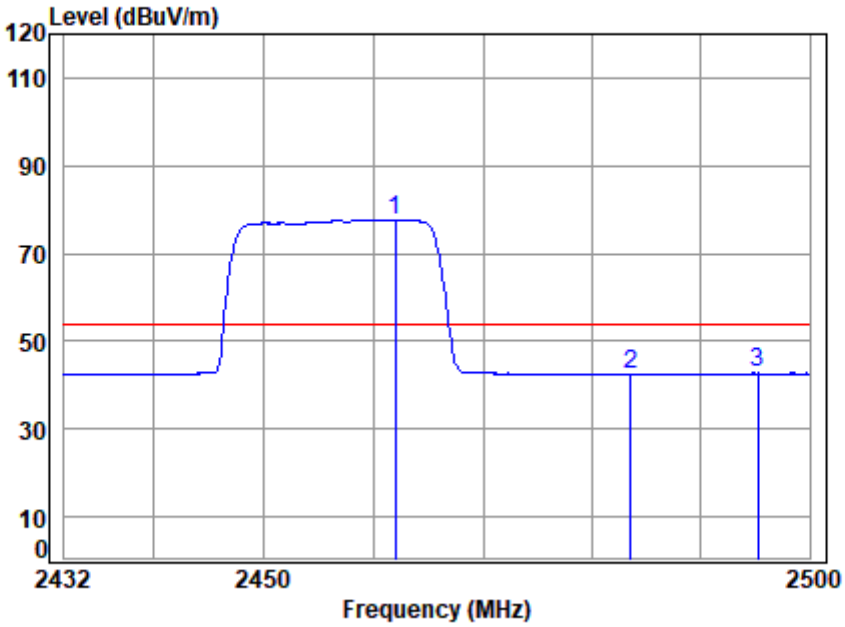
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2456.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	84.40	77.61	54.00	23.61	Average
2	2483.500	5.60	28.67	41.01	49.32	42.58	54.00	-11.42	Average
3	2495.248	5.61	28.69	41.02	49.39	42.67	54.00	-11.33	Average

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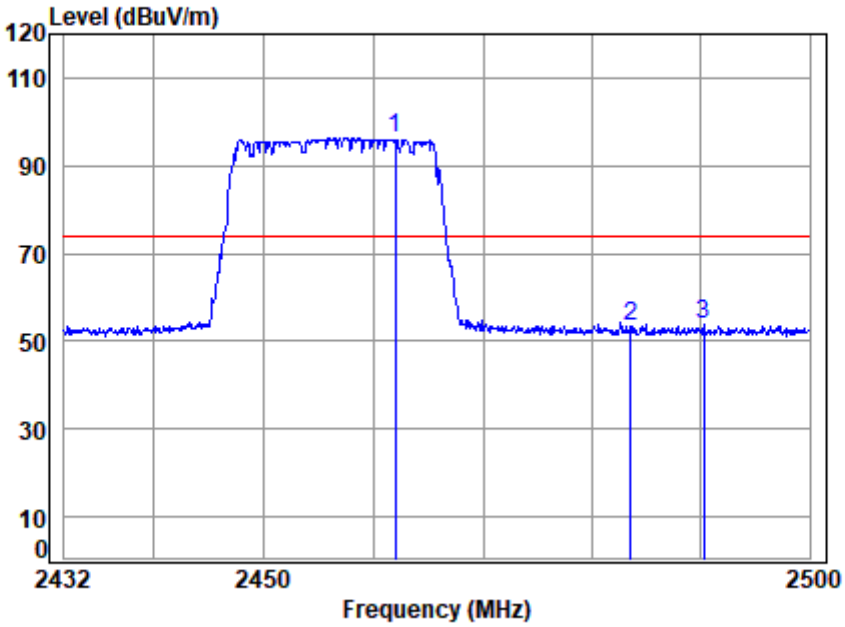

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2456.5 Band edge
Note : 20M

	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	103.09	96.30	74.00	22.30	peak
2	2483.500	5.60	28.67	41.01	60.14	53.40	74.00	-20.60	peak
3	2490.229	5.61	28.68	41.01	60.57	53.85	74.00	-20.15	peak

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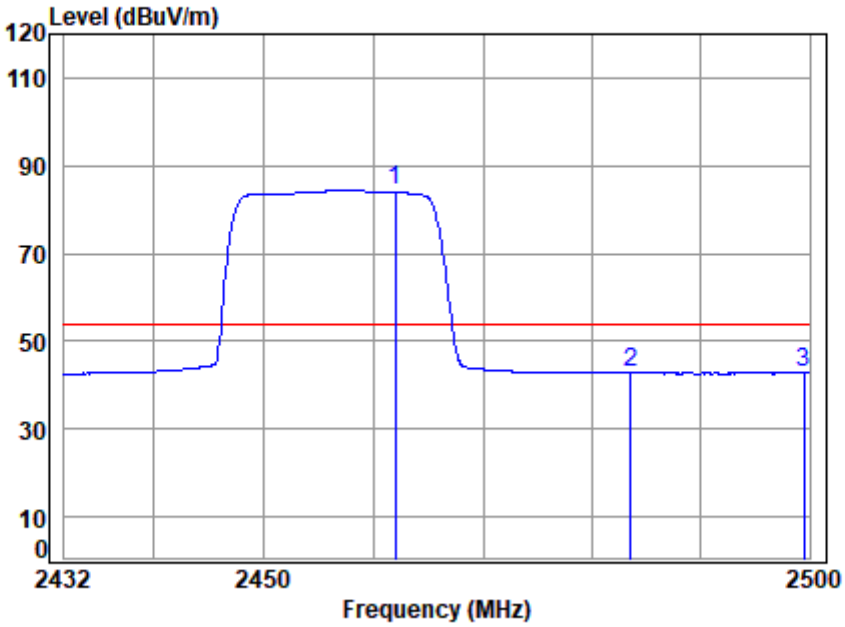

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
Mode : 2456.5 Band edge
Note : 20M

	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	91.29	84.50	54.00	30.50	Average
2	2483.500	5.60	28.67	41.01	49.44	42.70	54.00	-11.30	Average
3	2499.517	5.62	28.70	41.02	49.44	42.74	54.00	-11.26	Average

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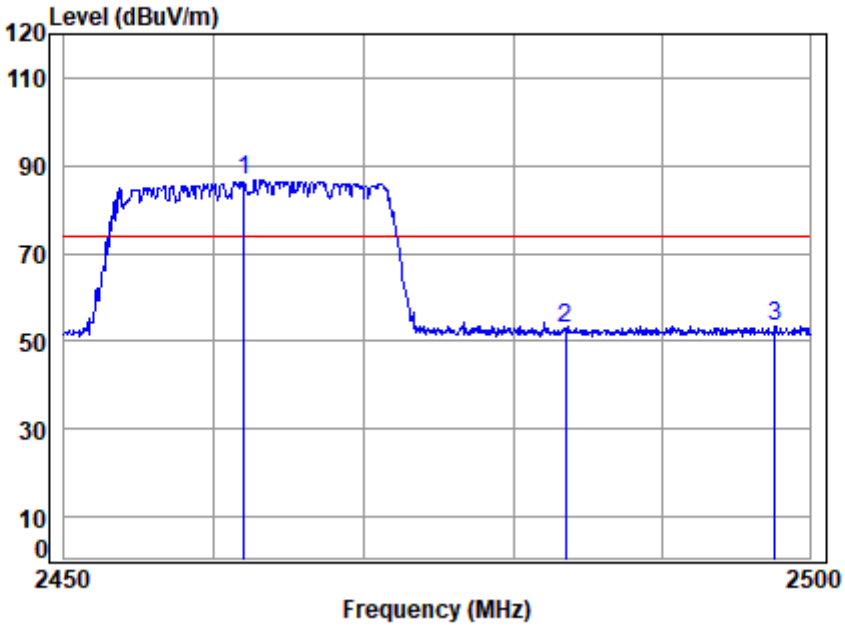

Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2462.5 Band edge
Note : 20M

	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	93.38	86.59	74.00	12.59	peak
2	2483.500	5.60	28.67	41.01	59.57	52.83	74.00	-21.17	peak
3	2497.678	5.62	28.70	41.02	60.31	53.61	74.00	-20.39	peak

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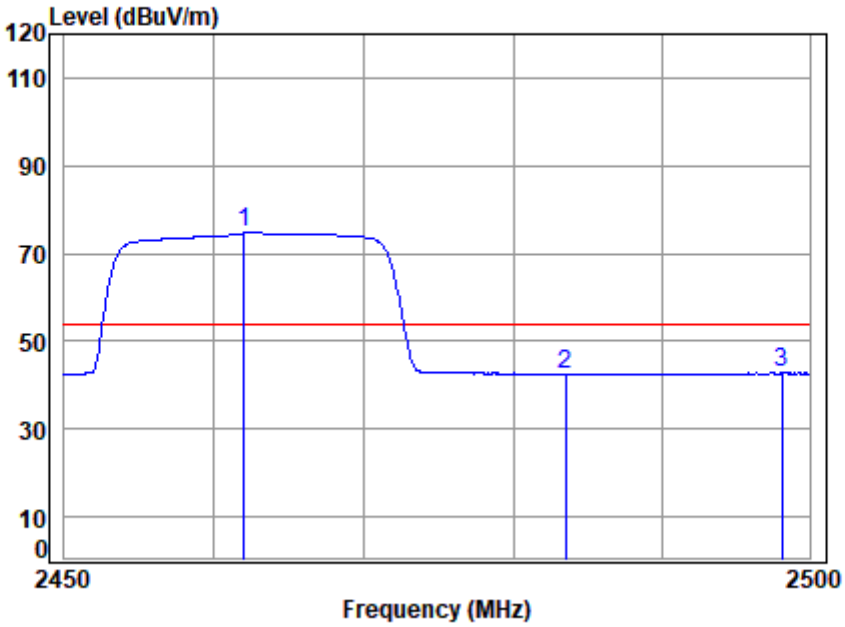

Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
Mode : 2462.5 Band edge
Note : 20M

	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	81.65	74.86	54.00	20.86	Average
2	2483.500	5.60	28.67	41.01	49.35	42.61	54.00	-11.39	Average
3	2498.132	5.62	28.70	41.02	49.39	42.69	54.00	-11.31	Average

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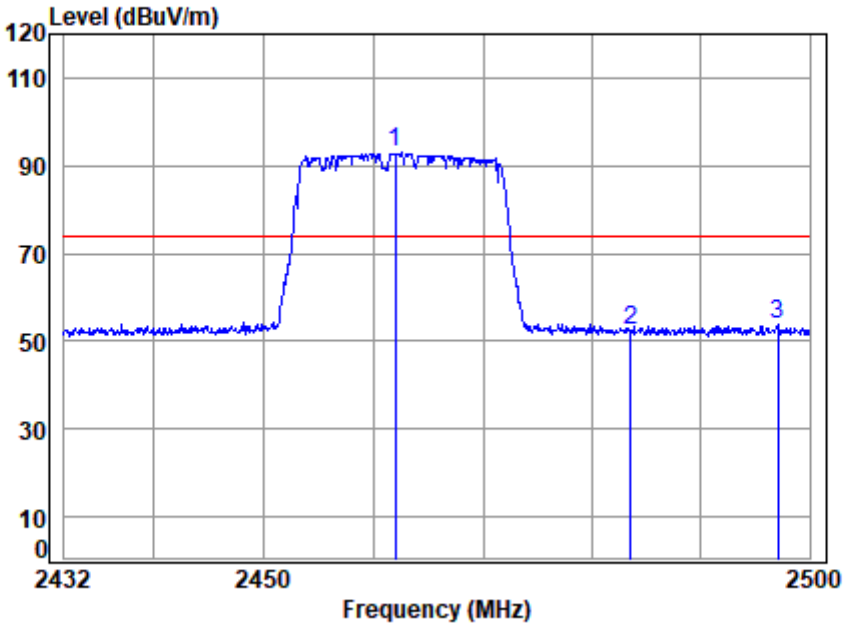
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2462.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	99.75	92.96	74.00	18.96	peak
2	2483.500	5.60	28.67	41.01	59.13	52.39	74.00	-21.61	peak
3	2497.106	5.62	28.70	41.02	60.58	53.88	74.00	-20.12	peak

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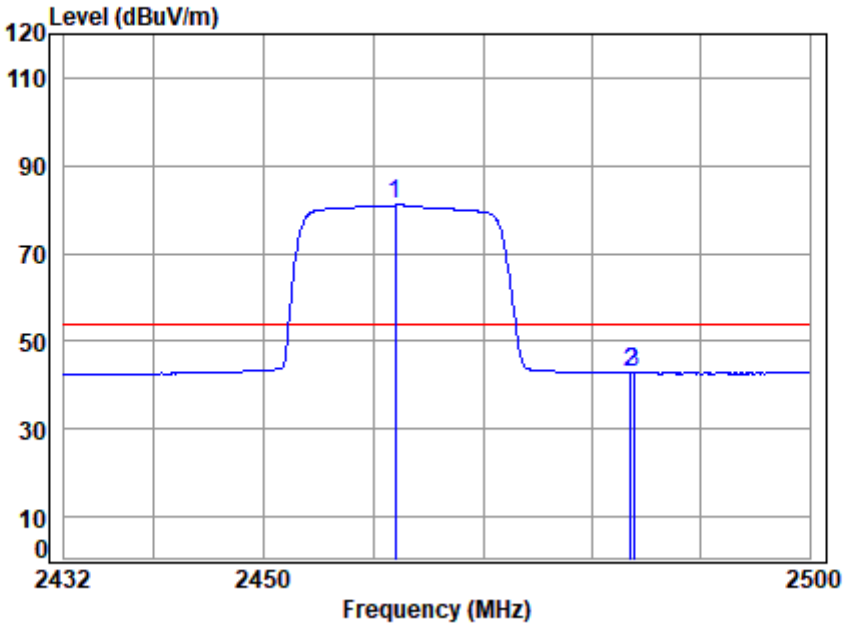
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2462.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	87.86	81.07	54.00	27.07	Average
2	2483.500	5.60	28.67	41.01	49.47	42.73	54.00	-11.27	Average
3	2483.782	5.60	28.67	41.01	49.47	42.73	54.00	-11.27	Average

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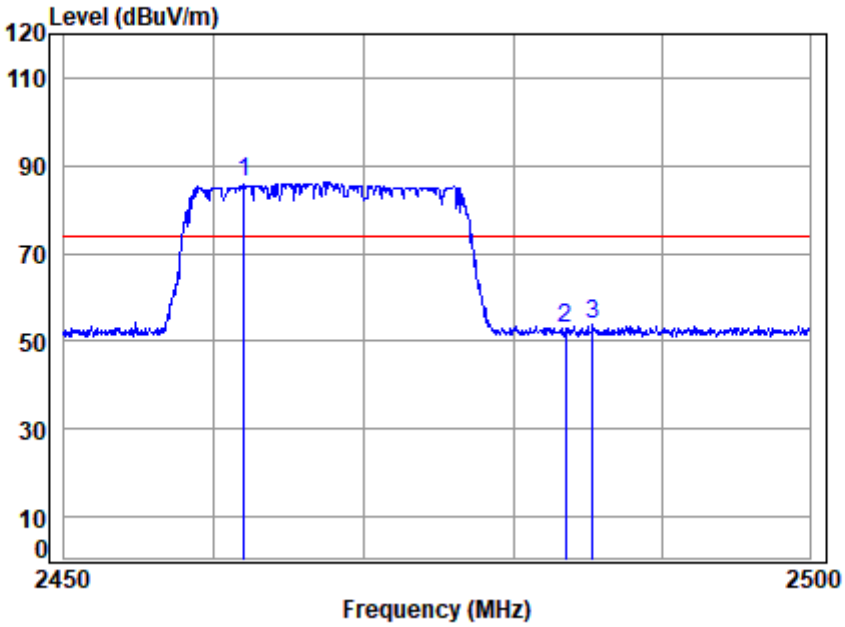
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2467.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	93.03	86.24	74.00	12.24	peak
2	2483.500	5.60	28.67	41.01	59.45	52.71	74.00	-21.29	peak
3	2485.346	5.60	28.68	41.01	60.77	54.04	74.00	-19.96	peak

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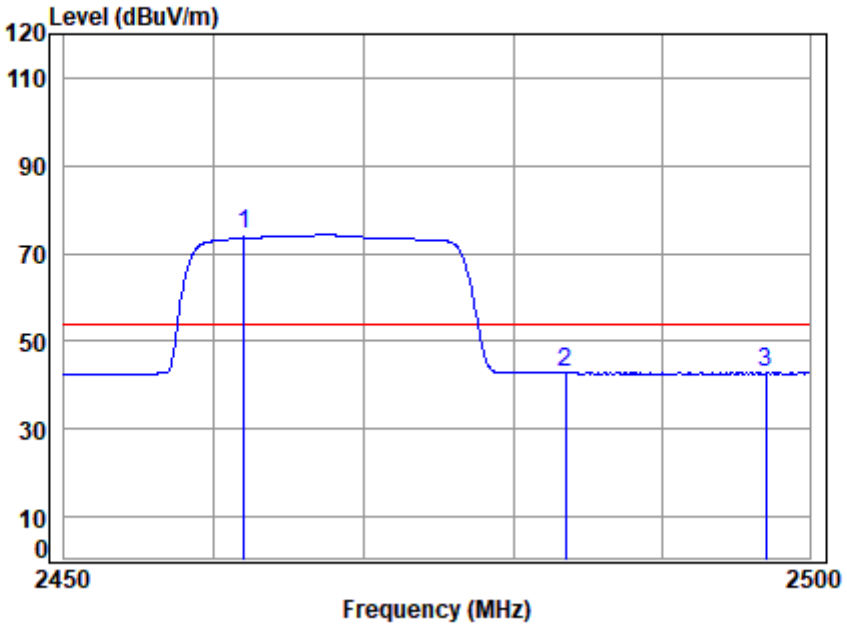
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2467.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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	81.25	74.46	54.00	20.46	Average
2	2483.500	5.60	28.67	41.01	49.41	42.67	54.00	-11.33	Average
3	2497.072	5.62	28.70	41.02	49.39	42.69	54.00	-11.31	Average

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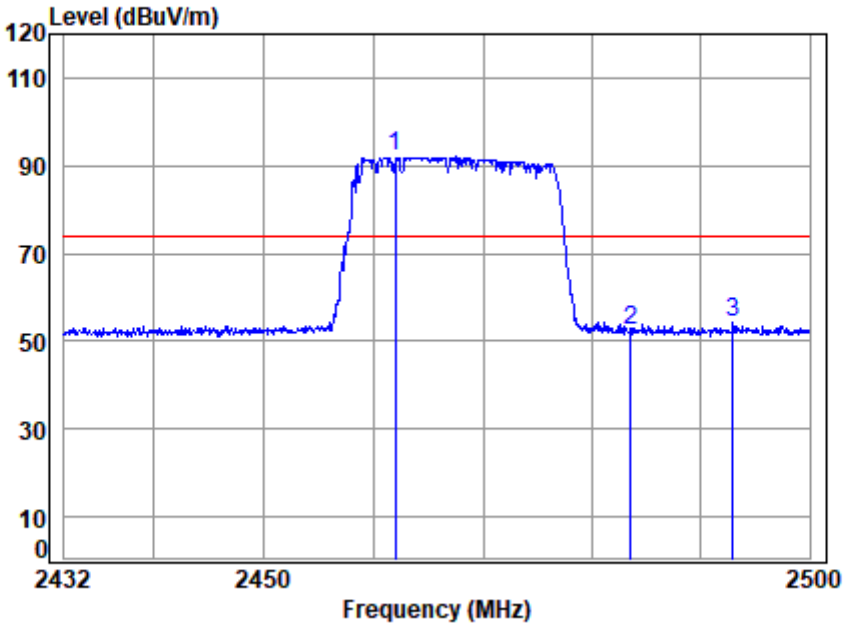
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2467.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	98.81	92.02	74.00	18.02	peak
2	2483.500	5.60	28.67	41.01	59.34	52.60	74.00	-21.40	peak
3	2492.909	5.61	28.69	41.01	60.85	54.14	74.00	-19.86	peak

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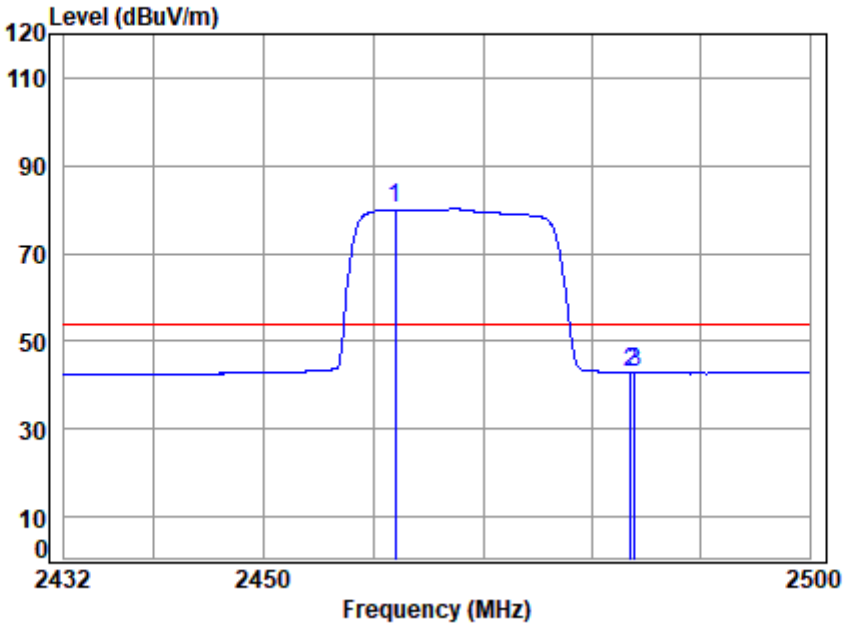
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2467.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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	87.01	80.22	54.00	26.22	Average
2	2483.500	5.60	28.67	41.01	49.58	42.84	54.00	-11.16	Average
3	2483.919	5.60	28.67	41.01	49.58	42.84	54.00	-11.16	Average

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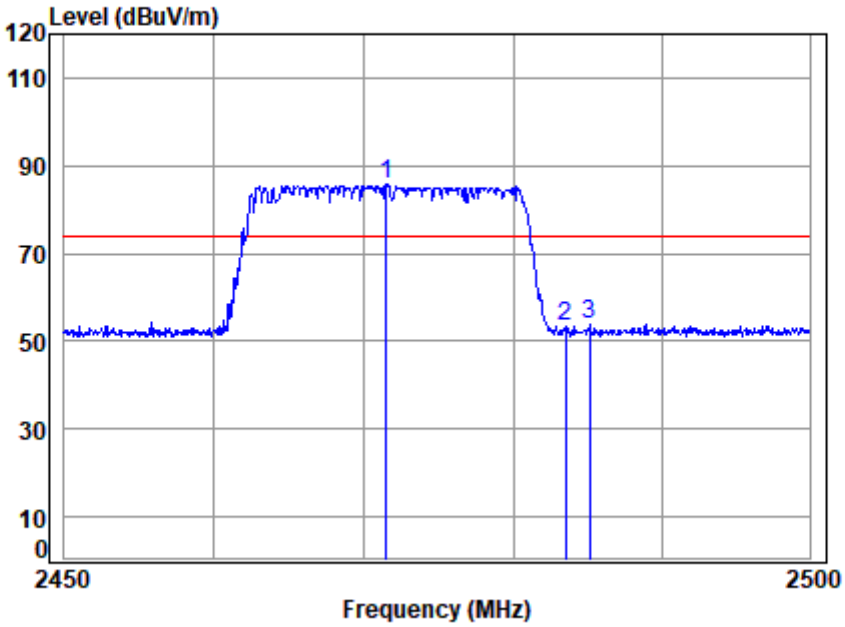
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2471.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2471.476	5.58	28.65	41.01	92.39	85.61	74.00	11.61	Peak
2	2483.500	5.60	28.67	41.01	60.03	53.29	74.00	-20.71	peak
3	2485.145	5.60	28.68	41.01	60.51	53.78	74.00	-20.22	peak

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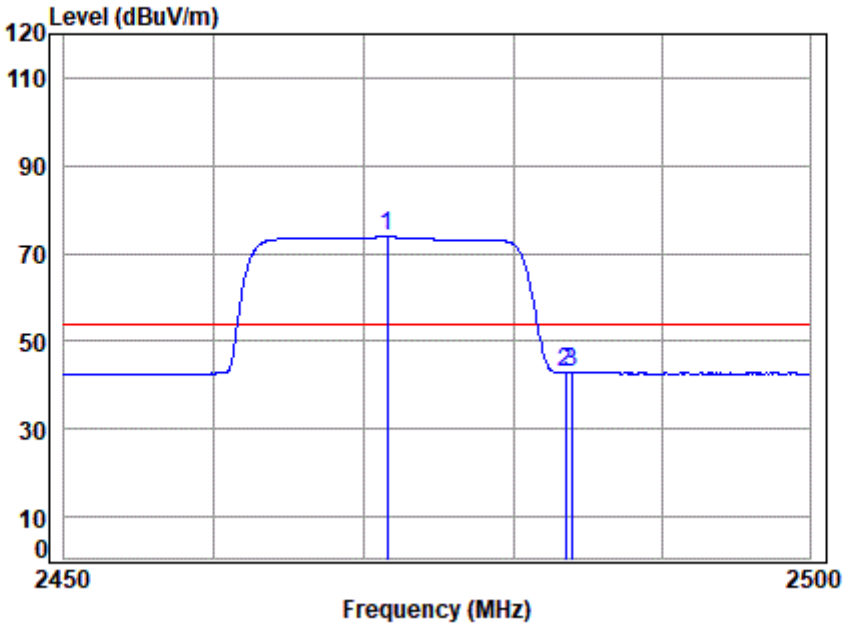
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2471.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2471.576	5.58	28.65	41.01	80.72	73.94	54.00	19.94	Average
2	2483.500	5.60	28.67	41.01	49.52	42.78	54.00	-11.22	Average
3	2483.940	5.60	28.67	41.01	49.51	42.77	54.00	-11.23	Average

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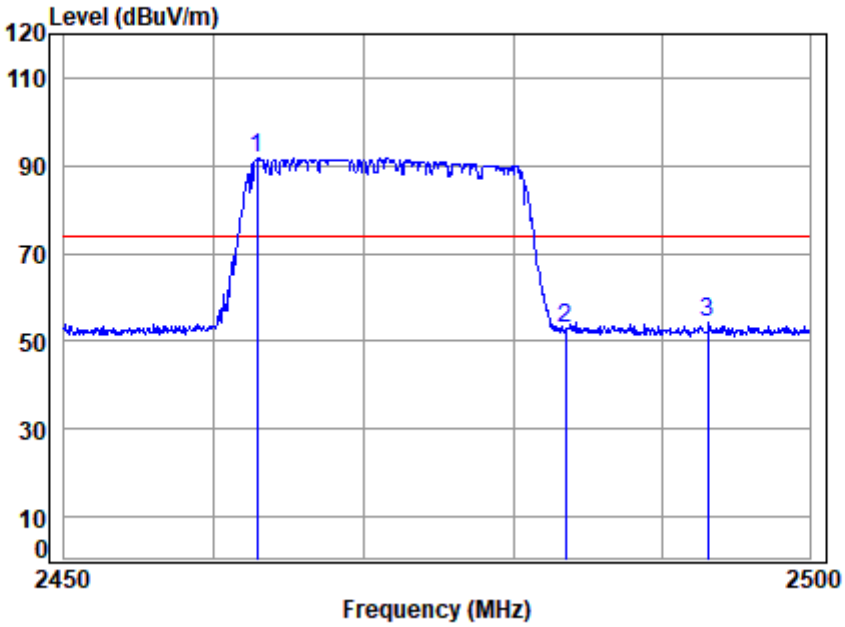
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2471.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2462.853	5.57	28.64	41.00	98.56	91.77	74.00	17.77	Peak
2	2483.500	5.60	28.67	41.01	59.83	53.09	74.00	-20.91	peak
3	2493.141	5.61	28.69	41.01	61.00	54.29	74.00	-19.71	peak

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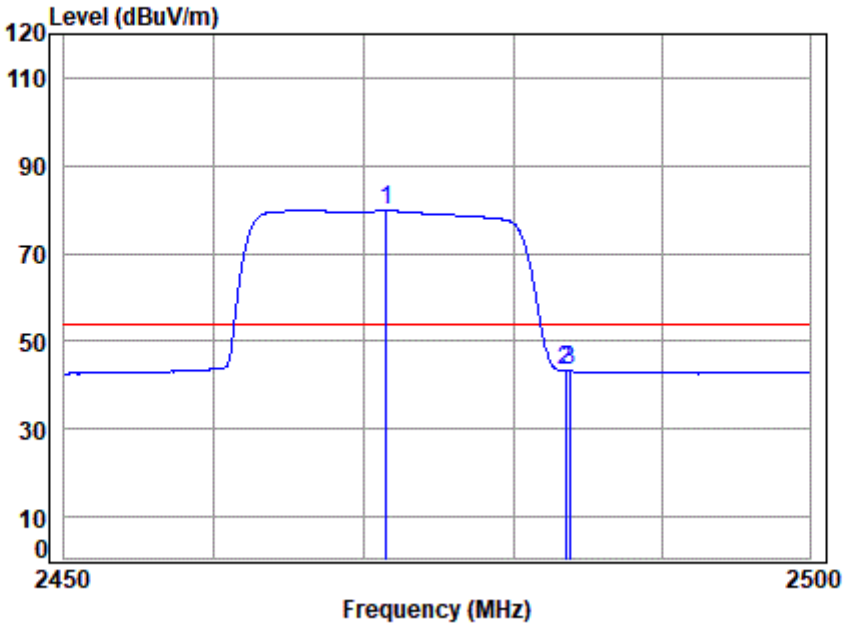
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2471.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2471.484	5.58	28.65	41.01	86.82	80.04	54.00	26.04	Average
2	2483.500	5.60	28.67	41.01	49.92	43.18	54.00	-10.82	Average
3	2483.782	5.60	28.67	41.01	49.86	43.12	54.00	-10.88	Average

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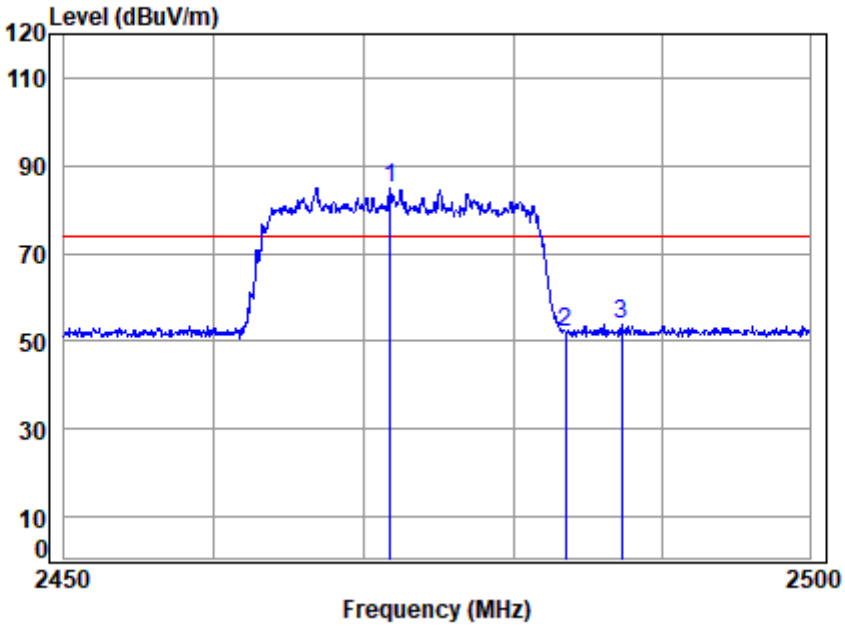
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2472.5MHz; Value:Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2471.776	5.58	28.65	41.01	91.48	84.70	74.00	10.70	Peak
2	2483.500	5.60	28.67	41.01	58.78	52.04	74.00	-21.96	peak
3	2487.305	5.60	28.68	41.01	60.42	53.69	74.00	-20.31	peak

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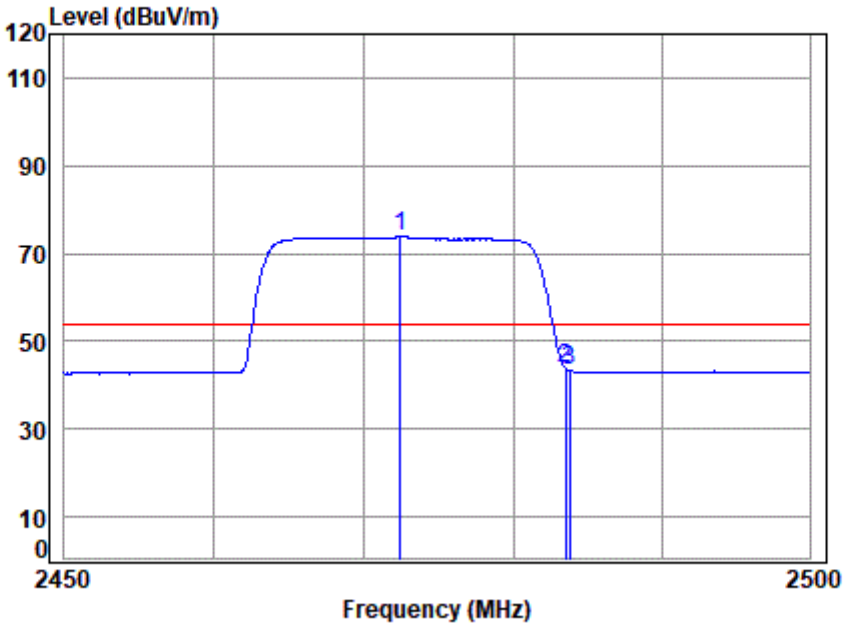
Mode:b; Polarization: Horizontal; Bandwidth:20MHz; Channel:2472.5MHz; Value:Average



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR\21066CR
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 *	2472.425	5.58	28.66	41.01	80.56	73.79	54.00	19.79	Average
2	2483.500	5.60	28.67	41.01	50.67	43.93	54.00	-10.07	Average
3	2483.790	5.60	28.67	41.01	49.96	43.22	54.00	-10.78	Average

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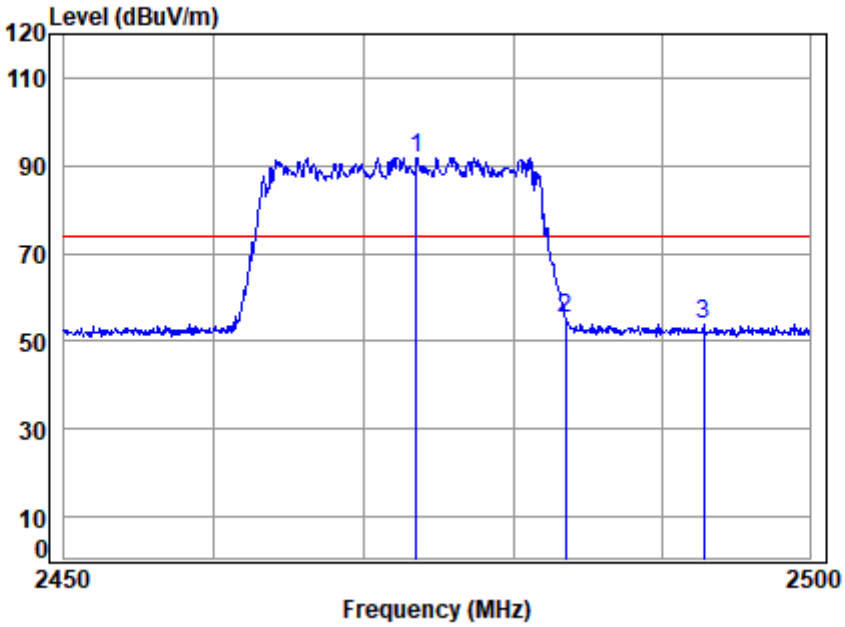
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2472.5MHz; Value:Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2473.524	5.59	28.66	41.01	98.55	91.79	74.00	17.79	Peak
2	2483.500	5.60	28.67	41.01	62.18	55.44	74.00	-18.56	Peak
3	2492.838	5.61	28.69	41.01	60.64	53.93	74.00	-20.07	Peak

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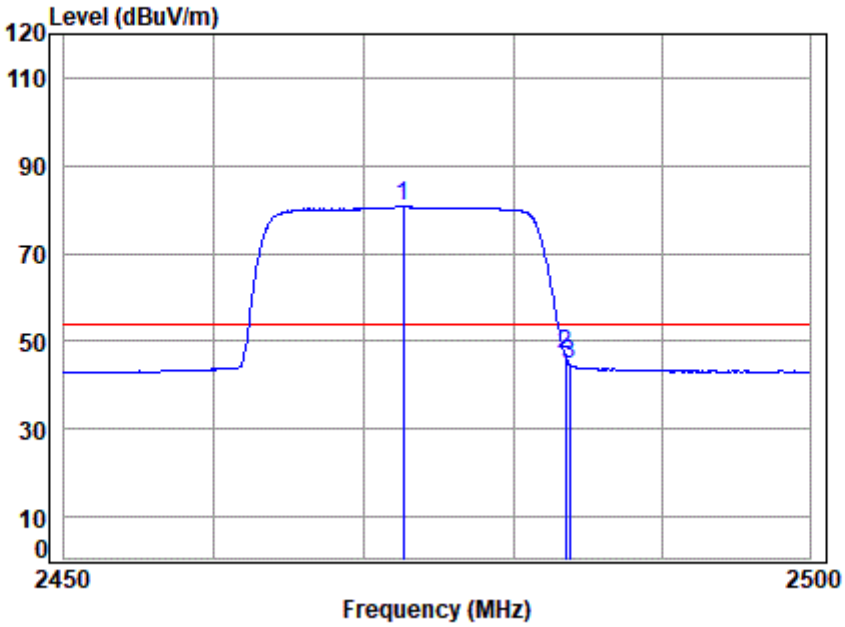
Mode:b; Polarization: Vertical; Bandwidth:20MHz; Channel:2472.5MHz; Value:Average



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR\21066CR
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 *	2472.625	5.58	28.66	41.01	87.58	80.81	54.00	26.81	Average
2	2483.500	5.60	28.67	41.01	53.58	46.84	54.00	-7.16	Average
3	2483.790	5.60	28.67	41.01	51.55	44.81	54.00	-9.19	Average

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7.9 Radiated Spurious Emissions

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

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

Measurement Distance: 3m

Limit:

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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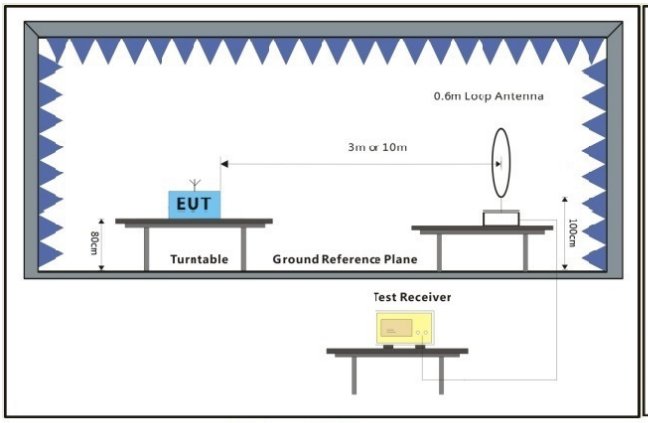
7.9.1 E.U.T. Operation

Operating Environment:

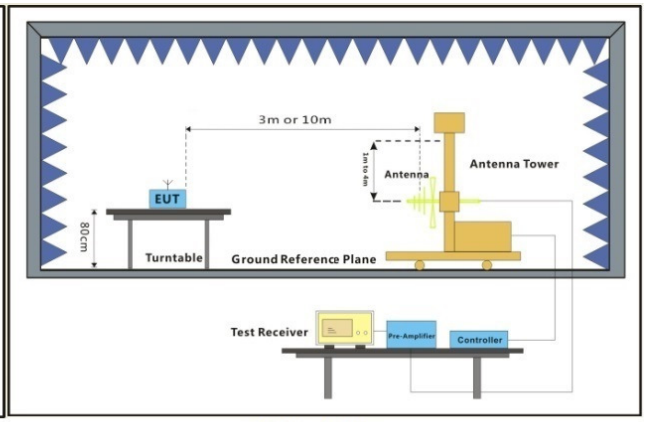
Temperature: 25 °C Humidity: 51 % RH Atmospheric Pressure: 1020 mbar

Pretest these modes to find the worst case:	a:TX mode_Keep the EUT in continuously transmitting mode with modulation b:Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with modulation.
The worst case for final test:	b:Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with modulation.

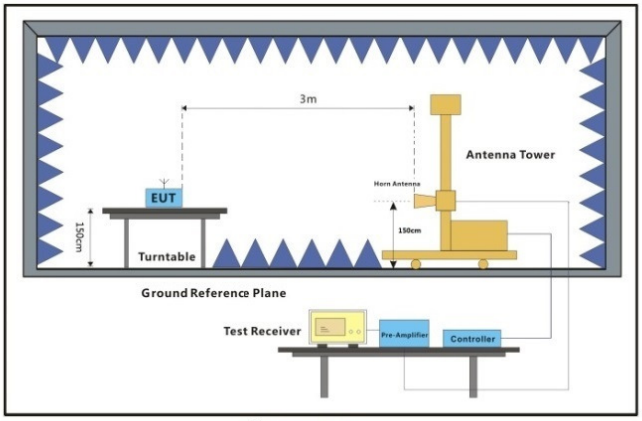
7.9.2 Test Setup Diagram



Below 30MHz



30MHz-1GHz



Above 1GHz

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7.9.3 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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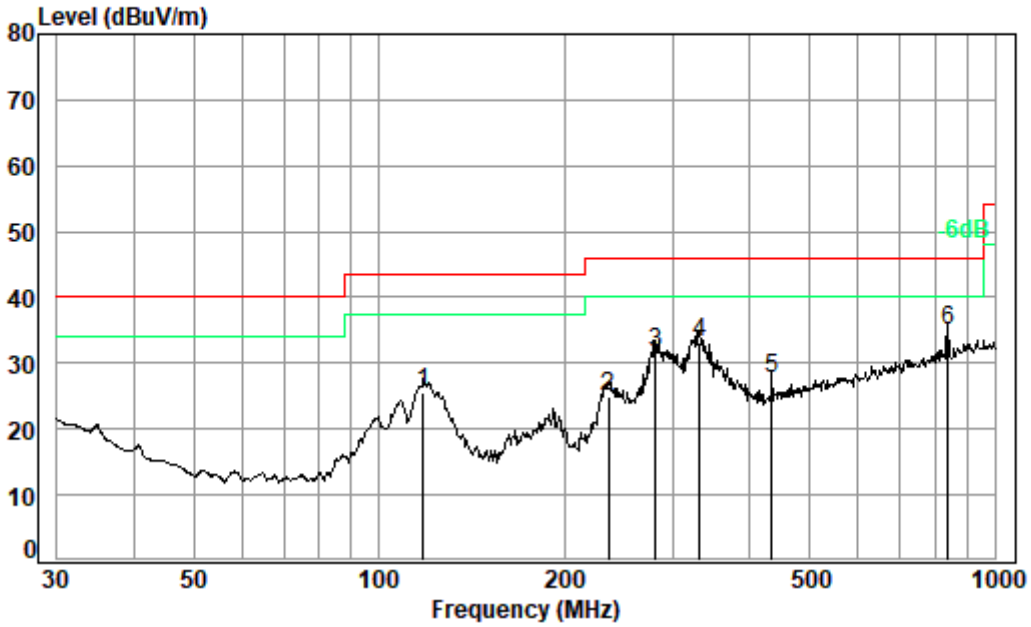
Radiated emission below 1GHz

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



Condition: 3m HORIZONTAL
Job No. : 21066CR
Test mode: b

	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	118.19	13.18	1.25	38.72	25.62	43.50	-17.88	QP
2	235.82	18.48	1.60	32.05	25.08	46.00	-20.92	QP
3	281.01	18.84	1.82	37.87	31.60	46.00	-14.40	QP
4	331.35	20.57	2.00	37.58	33.08	46.00	-12.92	QP
5	434.07	23.21	2.35	29.74	27.73	46.00	-18.27	QP
6 pp	839.18	29.03	3.36	30.03	34.87	46.00	-11.13	QP

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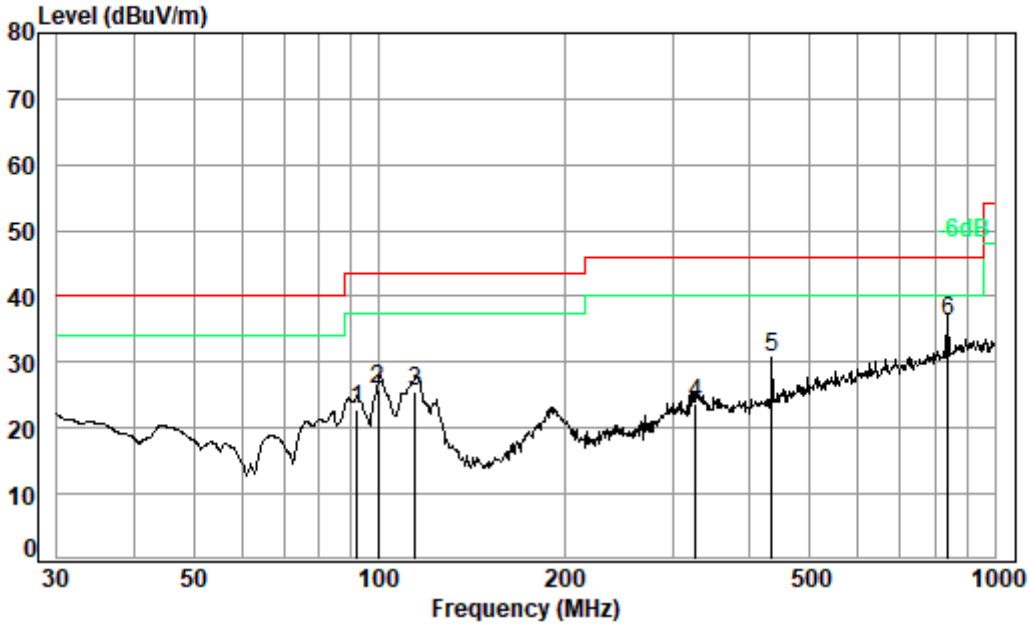
Mode:b ; Polarization: Vertical Bandwidth:1.4MHz; Channel:2407.5MHz



Condition: 3m VERTICAL
Job No. : 21066CR
Test mode: b

	Freq	Ant Factor	Cable Loss	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	92.14	13.30	1.12	36.10	22.87	43.50	-20.63	QP
2	99.88	13.99	1.20	38.45	26.00	43.50	-17.50	QP
3	114.51	13.33	1.24	38.59	25.61	43.50	-17.89	QP
4	326.74	20.43	1.99	28.22	23.59	46.00	-22.41	QP
5	434.07	23.21	2.35	32.64	30.63	46.00	-15.37	QP
6 pp	839.18	29.03	3.36	31.23	36.07	46.00	-9.93	QP

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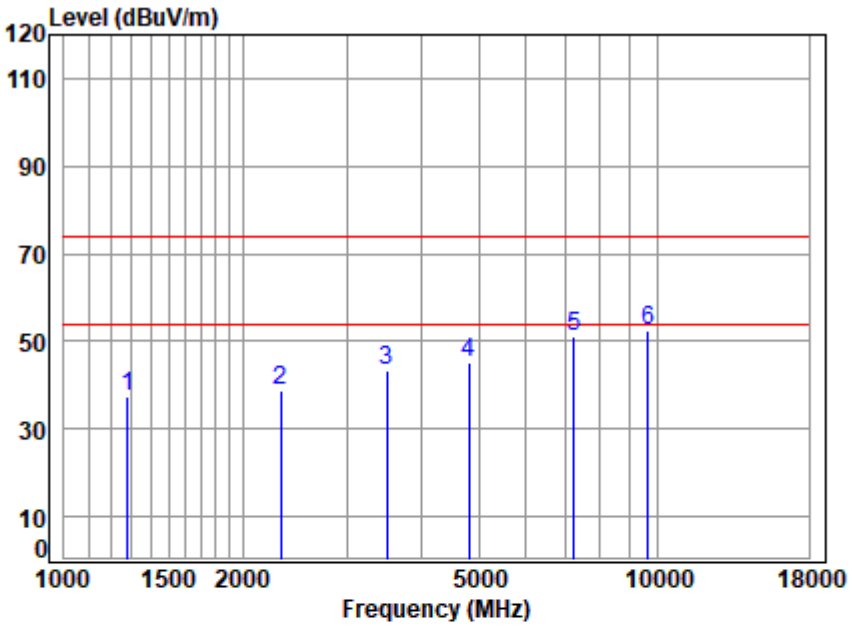
Above 1GHz

1.4MHz BW CA

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
Mode : 2409.12 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	1282.193	4.73	24.95	40.35	48.16	37.49	74.00	-36.51	Peak
2	2318.912	5.38	28.40	40.94	45.79	38.63	74.00	-35.37	Peak
3	3505.809	6.47	31.71	41.72	47.09	43.55	74.00	-30.45	Peak
4	4818.240	7.90	33.99	42.78	45.89	45.00	74.00	-29.00	Peak
5	7227.360	10.07	36.09	41.57	46.51	51.10	74.00	-22.90	Peak
6	9636.480	10.76	37.68	38.53	42.47	52.38	74.00	-21.62	Peak

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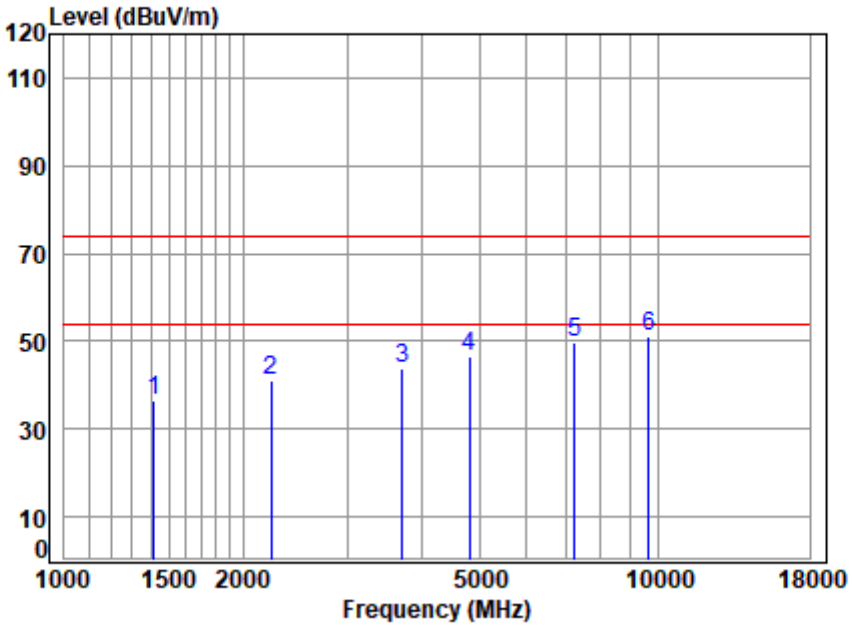
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2409.12MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
Mode : 2409.12 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	1418.692	5.21	25.50	40.45	46.23	36.49	74.00	-37.51	Peak
2	2233.396	5.26	28.25	40.90	48.30	40.91	74.00	-33.09	Peak
3	3714.443	6.69	32.15	41.91	46.65	43.58	74.00	-30.42	Peak
4	4818.240	7.90	33.99	42.78	47.29	46.40	74.00	-27.60	Peak
5	7227.360	10.07	36.09	41.57	45.02	49.61	74.00	-24.39	Peak
6	9636.480	10.76	37.68	38.53	41.04	50.95	74.00	-23.05	Peak

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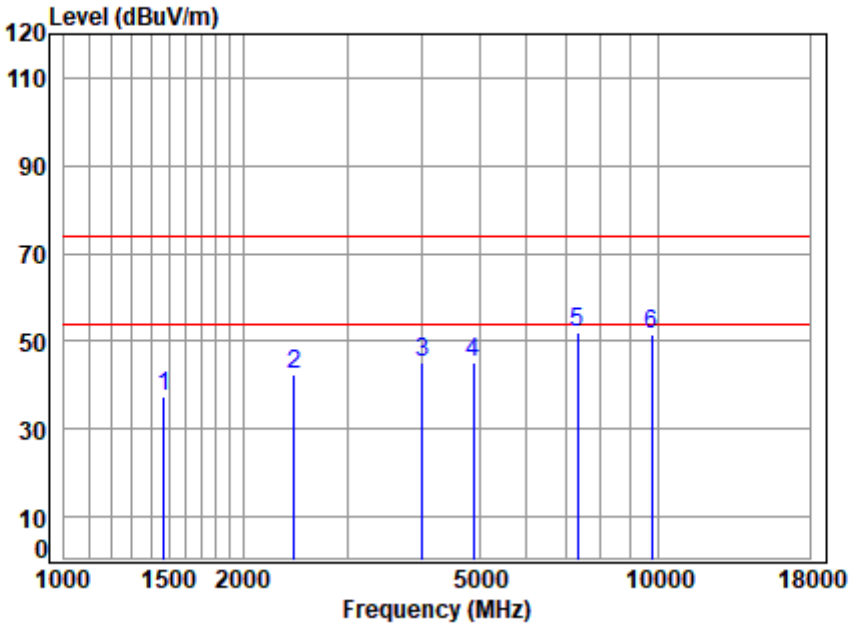
Mode:b; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2443.12MHz



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
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	1473.013	5.39	25.70	40.49	46.78	37.38	74.00	-36.62	Peak
2	2442.751	5.55	28.61	40.99	49.41	42.58	74.00	-31.42	Peak
3	4004.339	6.99	32.71	42.16	47.48	45.02	74.00	-28.98	Peak
4	4886.240	7.97	34.07	42.82	45.83	45.05	74.00	-28.95	Peak
5	7329.360	10.04	36.17	41.52	47.18	51.87	74.00	-22.13	Peak
6	9772.480	10.83	37.77	38.33	41.10	51.37	74.00	-22.63	Peak

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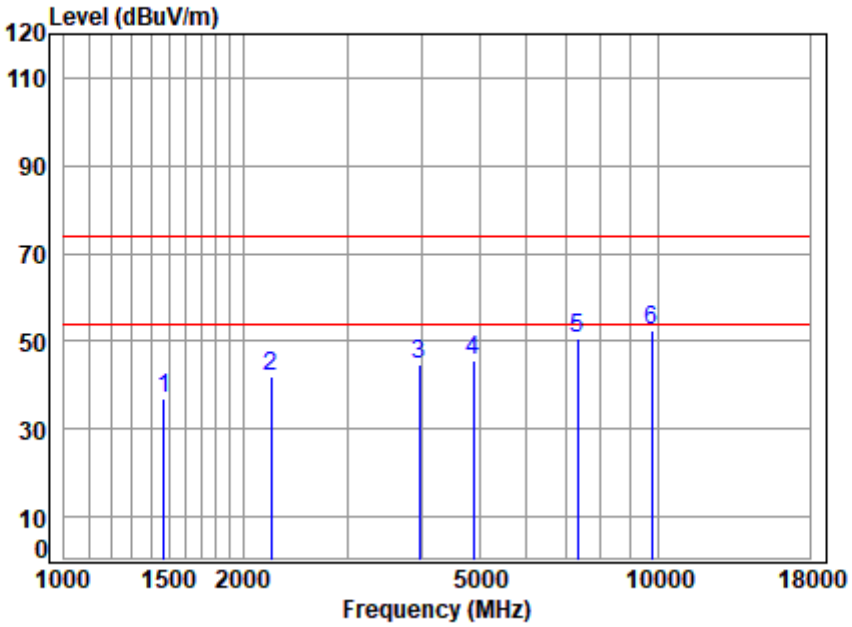
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2443.12MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
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	1473.013	5.39	25.70	40.49	46.43	37.03	74.00	-36.97	Peak
2	2233.396	5.26	28.25	40.90	49.55	42.16	74.00	-31.84	Peak
3	3958.309	6.94	32.62	42.12	47.47	44.91	74.00	-29.09	Peak
4	4886.240	7.97	34.07	42.82	46.43	45.65	74.00	-28.35	Peak
5	7329.360	10.04	36.17	41.52	46.18	50.87	74.00	-23.13	Peak
6	9772.480	10.83	37.77	38.33	42.34	52.61	74.00	-21.39	Peak

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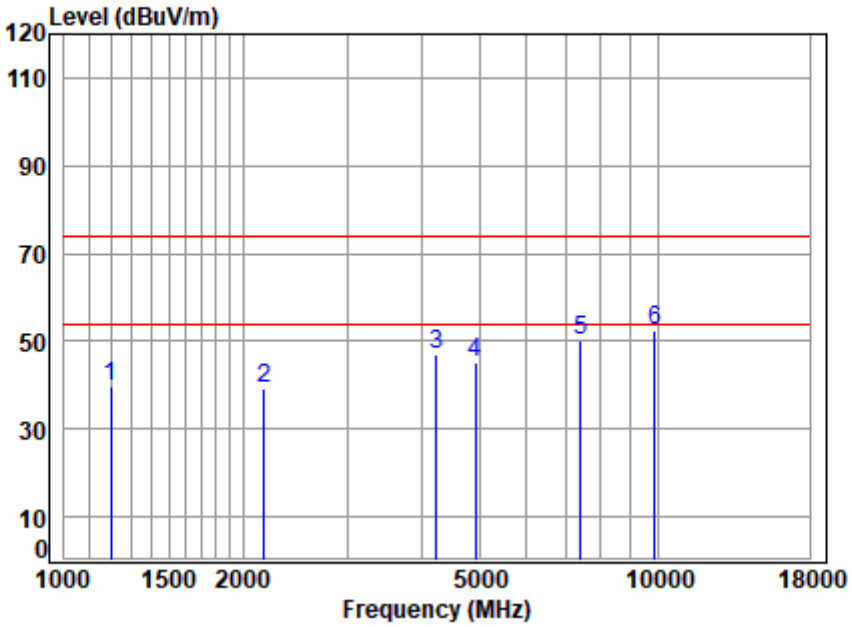
Mode:b; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2467.12MHz



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
Mode : 2467.12 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	1199.726	4.42	24.59	40.28	51.09	39.82	74.00	-34.18	Peak
2	2169.767	5.16	28.13	40.88	46.73	39.14	74.00	-34.86	Peak
3	4230.396	7.26	33.13	42.34	49.14	47.19	74.00	-26.81	Peak
4	4934.240	8.02	34.12	42.86	45.91	45.19	74.00	-28.81	Peak
5	7401.360	10.02	36.22	41.48	45.60	50.36	74.00	-23.64	Peak
6	9868.480	10.88	37.82	38.19	41.89	52.40	74.00	-21.60	Peak

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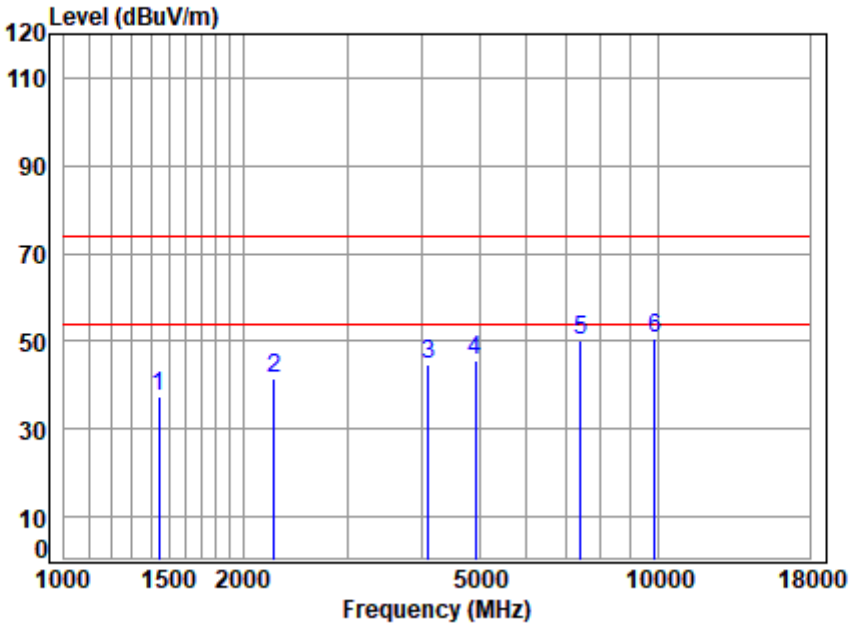
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2467.12MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
Mode : 2467.12 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	1443.509	5.30	25.59	40.47	46.89	37.31	74.00	-36.69	Peak
2	2252.846	5.28	28.28	40.91	48.76	41.41	74.00	-32.59	Peak
3	4098.010	7.10	32.88	42.24	46.96	44.70	74.00	-29.30	Peak
4	4934.240	8.02	34.12	42.86	46.49	45.77	74.00	-28.23	Peak
5	7401.360	10.02	36.22	41.48	45.25	50.01	74.00	-23.99	Peak
6	9868.480	10.88	37.82	38.19	40.06	50.57	74.00	-23.43	Peak

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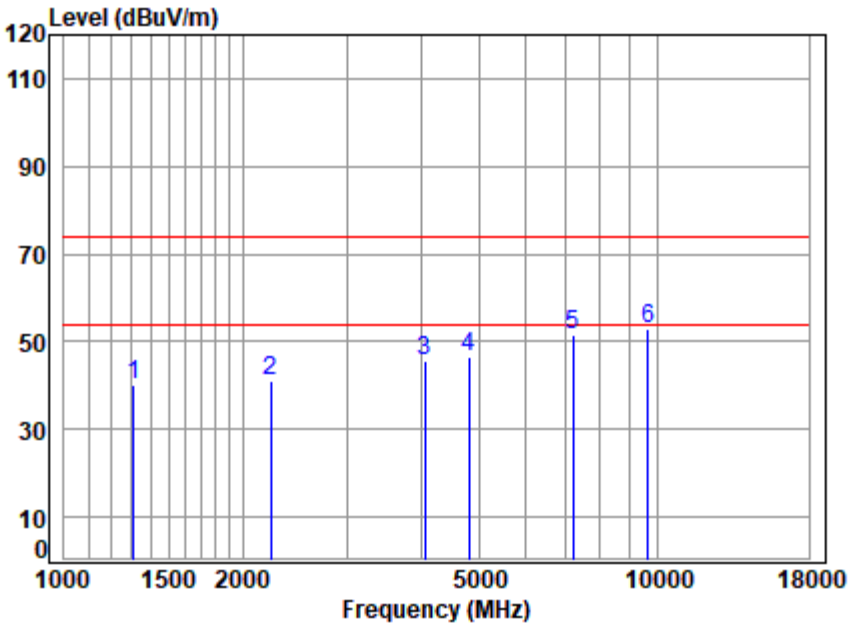
1.4MHz BW

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
Mode : 2407.5 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	1308.399	4.83	25.06	40.37	50.75	40.27	74.00	-33.73	Peak
2	2226.950	5.25	28.23	40.90	48.53	41.11	74.00	-32.89	Peak
3	4062.629	7.06	32.82	42.21	48.07	45.74	74.00	-28.26	Peak
4	4815.000	7.90	33.99	42.77	47.27	46.39	74.00	-27.61	Peak
5	7222.500	10.07	36.08	41.57	47.18	51.76	74.00	-22.24	Peak
6	9630.000	10.76	37.68	38.54	42.85	52.75	74.00	-21.25	Peak

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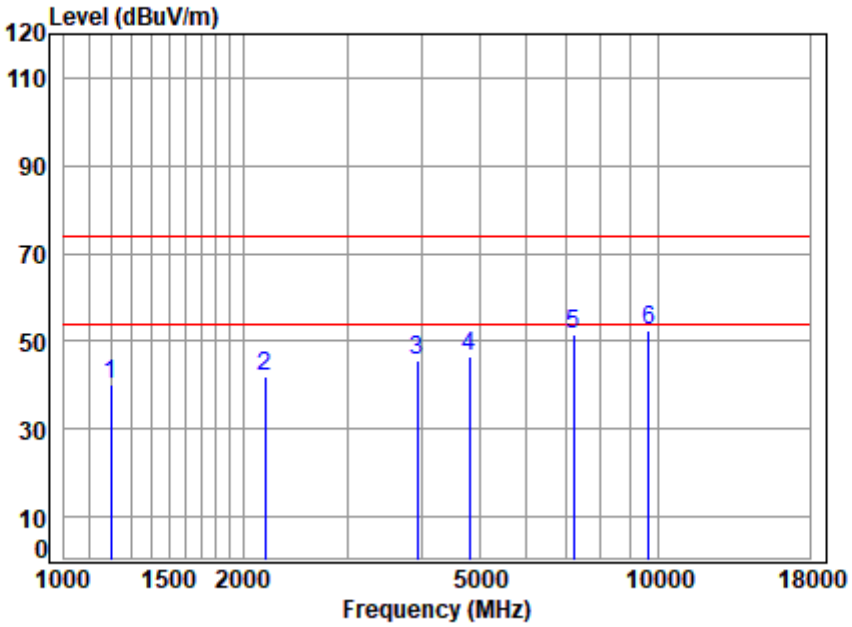
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2407.5MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
Mode : 2407.5 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	1199.726	4.42	24.59	40.28	51.25	39.98	74.00	-34.02	Peak
2	2176.047	5.17	28.14	40.88	49.53	41.96	74.00	-32.04	Peak
3	3935.493	6.92	32.58	42.10	48.30	45.70	74.00	-28.30	Peak
4	4815.000	7.90	33.99	42.77	47.30	46.42	74.00	-27.58	Peak
5	7222.500	10.07	36.08	41.57	46.85	51.43	74.00	-22.57	Peak
6	9630.000	10.76	37.68	38.54	42.61	52.51	74.00	-21.49	Peak

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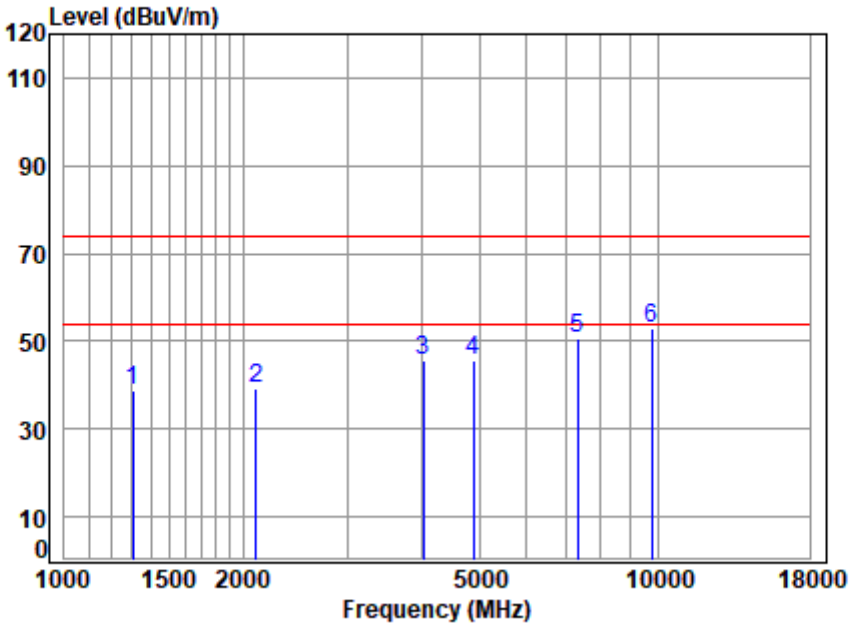
Mode:b; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2441.5MHz



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
Mode : 2441.5 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	1304.623	4.82	25.04	40.37	49.30	38.79	74.00	-35.21	Peak
2	2107.950	5.07	28.01	40.85	46.88	39.11	74.00	-34.89	Peak
3	4027.554	7.01	32.75	42.18	47.93	45.51	74.00	-28.49	Peak
4	4883.000	7.97	34.07	42.82	46.35	45.57	74.00	-28.43	Peak
5	7324.500	10.04	36.16	41.52	45.77	50.45	74.00	-23.55	Peak
6	9766.000	10.82	37.76	38.34	42.56	52.80	74.00	-21.20	Peak

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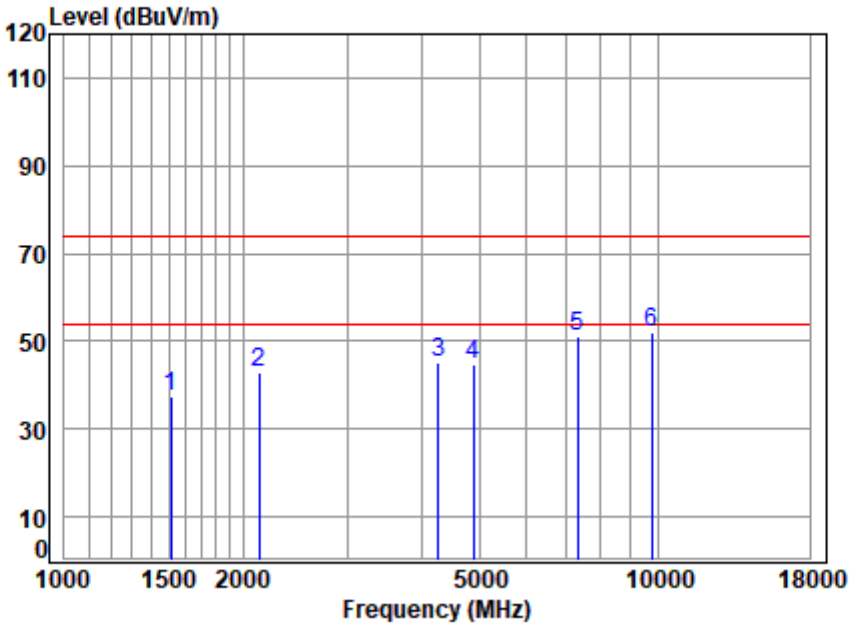
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2441.5MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
Mode : 2441.5 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	1511.833	5.46	25.85	40.51	46.61	37.41	74.00	-36.59	Peak
2	2132.462	5.11	28.06	40.86	50.46	42.77	74.00	-31.23	Peak
3	4267.237	7.30	33.19	42.37	47.06	45.18	74.00	-28.82	Peak
4	4883.000	7.97	34.07	42.82	45.48	44.70	74.00	-29.30	Peak
5	7324.500	10.04	36.16	41.52	46.26	50.94	74.00	-23.06	Peak
6	9766.000	10.82	37.76	38.34	41.82	52.06	74.00	-21.94	Peak

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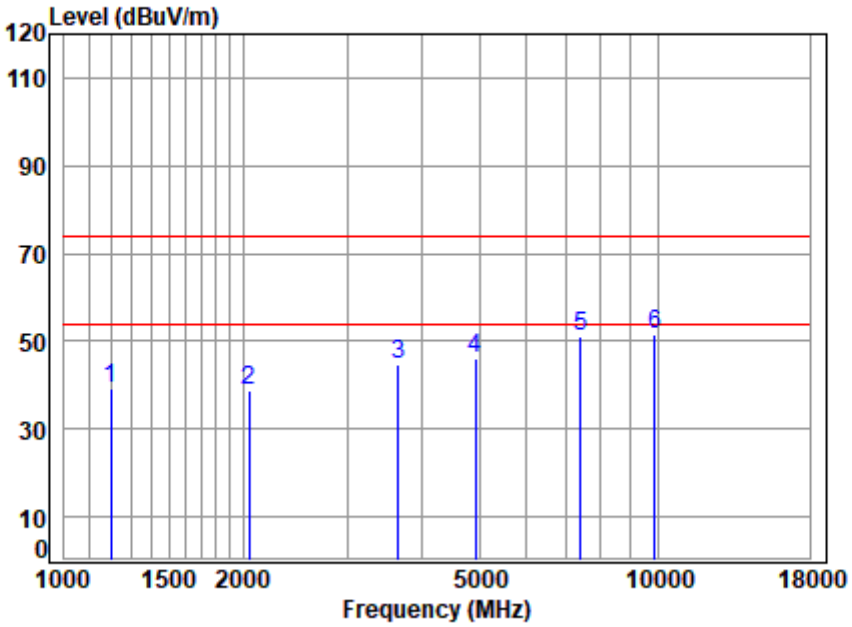
Mode:b; Polarization:Horizontal; Bandwidth:1.4MHz; Channel:2465.5MHz



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
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	1199.726	4.42	24.59	40.28	50.30	39.03	74.00	-34.97	Peak
2	2047.895	4.98	27.90	40.82	46.78	38.84	74.00	-35.16	Peak
3	3650.582	6.62	32.02	41.85	48.02	44.81	74.00	-29.19	Peak
4	4931.000	8.02	34.12	42.85	46.76	46.05	74.00	-27.95	Peak
5	7396.500	10.03	36.22	41.48	46.34	51.11	74.00	-22.89	Peak
6	9862.000	10.87	37.82	38.20	41.25	51.74	74.00	-22.26	Peak

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Shenzhen Branch

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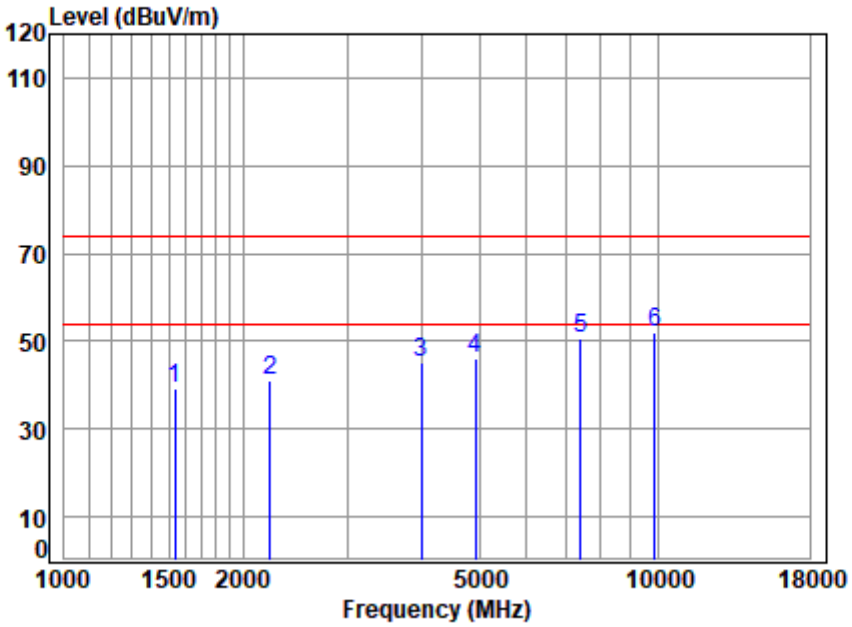
Mode:b; Polarization:Vertical; Bandwidth:1.4MHz; Channel:2465.5MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
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	1538.281	5.43	25.98	40.53	48.42	39.30	74.00	-34.70	Peak
2	2220.523	5.24	28.22	40.90	48.31	40.87	74.00	-33.13	Peak
3	3992.781	6.97	32.69	42.15	47.84	45.35	74.00	-28.65	Peak
4	4931.000	8.02	34.12	42.85	46.70	45.99	74.00	-28.01	Peak
5	7396.500	10.03	36.22	41.48	46.00	50.77	74.00	-23.23	Peak
6	9862.000	10.87	37.82	38.20	41.53	52.02	74.00	-21.98	Peak

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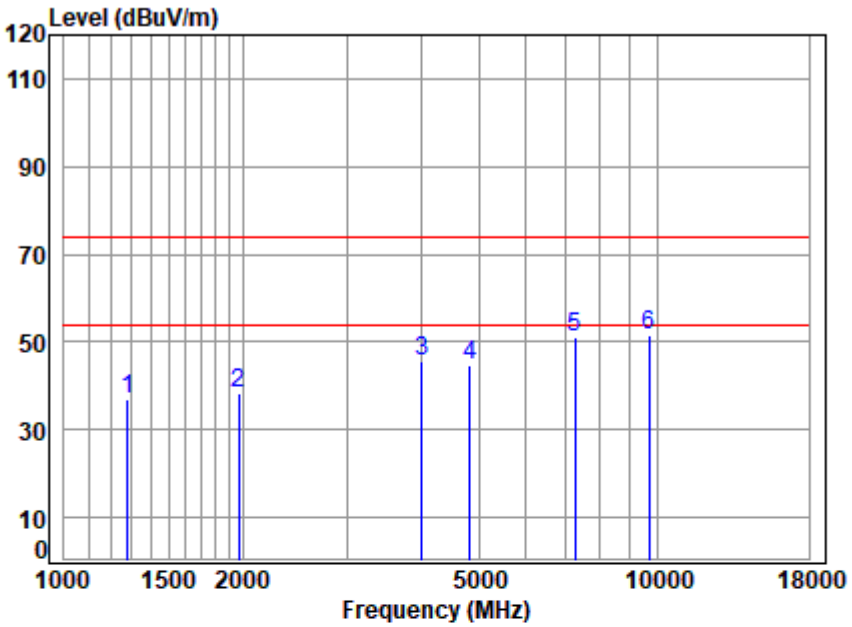
3MHz BW

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
Mode : 2417.5 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	1282.193	4.73	24.95	40.35	47.55	36.88	74.00	-37.12	Peak
2	1966.680	4.93	27.68	40.78	46.70	38.53	74.00	-35.47	Peak
3	4004.339	6.99	32.71	42.16	48.08	45.62	74.00	-28.38	Peak
4	4835.000	7.92	34.01	42.79	45.75	44.89	74.00	-29.11	Peak
5	7252.500	10.06	36.11	41.55	46.47	51.09	74.00	-22.91	Peak
6	9670.000	10.78	37.70	38.48	41.77	51.77	74.00	-22.23	Peak

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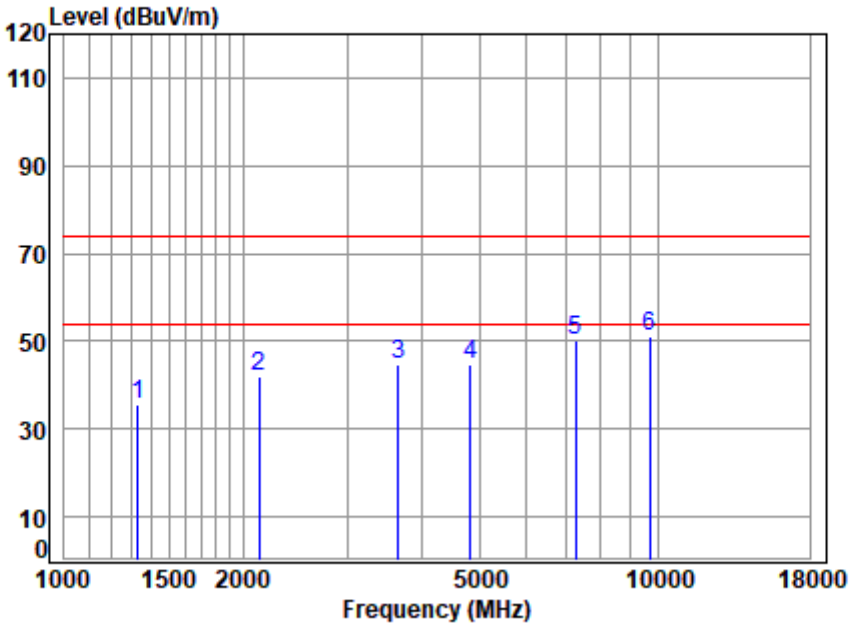
Mode:b; Polarization:Vertical; Bandwidth:3MHz; Channel:2417.5MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
Mode : 2417.5 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	1331.288	4.91	25.15	40.39	46.02	35.69	74.00	-38.31	Peak
2	2132.462	5.11	28.06	40.86	49.50	41.81	74.00	-32.19	Peak
3	3650.582	6.62	32.02	41.85	47.91	44.70	74.00	-29.30	Peak
4	4835.000	7.92	34.01	42.79	45.43	44.57	74.00	-29.43	Peak
5	7252.500	10.06	36.11	41.55	45.59	50.21	74.00	-23.79	Peak
6	9670.000	10.78	37.70	38.48	41.06	51.06	74.00	-22.94	Peak

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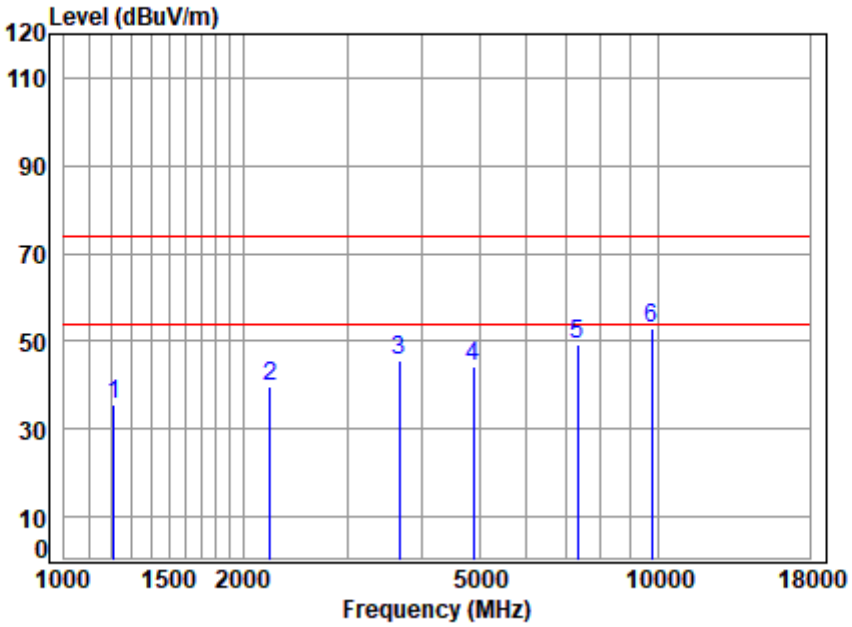
Mode:b; Polarization:Horizontal; Bandwidth:3MHz; Channel:2441.5MHz



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
Mode : 2441.5 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	1213.677	4.47	24.65	40.29	46.69	35.52	74.00	-38.48	Peak
2	2220.523	5.24	28.22	40.90	47.02	39.58	74.00	-34.42	Peak
3	3661.149	6.64	32.04	41.86	48.84	45.66	74.00	-28.34	Peak
4	4883.000	7.97	34.07	42.82	44.95	44.17	74.00	-29.83	Peak
5	7324.500	10.04	36.16	41.52	44.63	49.31	74.00	-24.69	Peak
6	9766.000	10.82	37.76	38.34	42.72	52.96	74.00	-21.04	Peak

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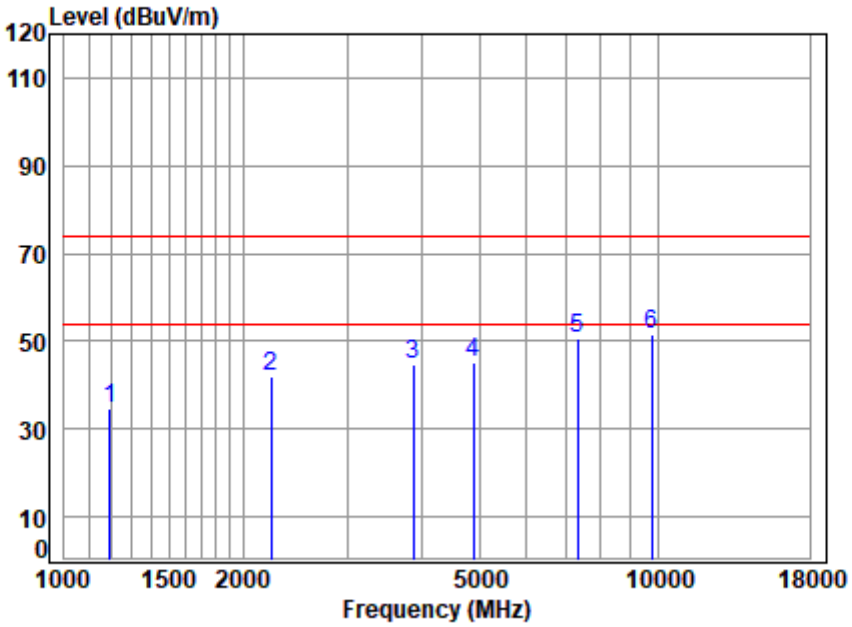
Mode:b; Polarization:Vertical; Bandwidth:3MHz; Channel:2441.5MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
Mode : 2441.5 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	1192.811	4.39	24.56	40.28	46.16	34.83	74.00	-39.17	Peak
2	2226.950	5.25	28.23	40.90	49.26	41.84	74.00	-32.16	Peak
3	3879.027	6.86	32.47	42.06	47.54	44.81	74.00	-29.19	Peak
4	4883.000	7.97	34.07	42.82	45.99	45.21	74.00	-28.79	Peak
5	7324.500	10.04	36.16	41.52	45.82	50.50	74.00	-23.50	Peak
6	9766.000	10.82	37.76	38.34	41.26	51.50	74.00	-22.50	Peak

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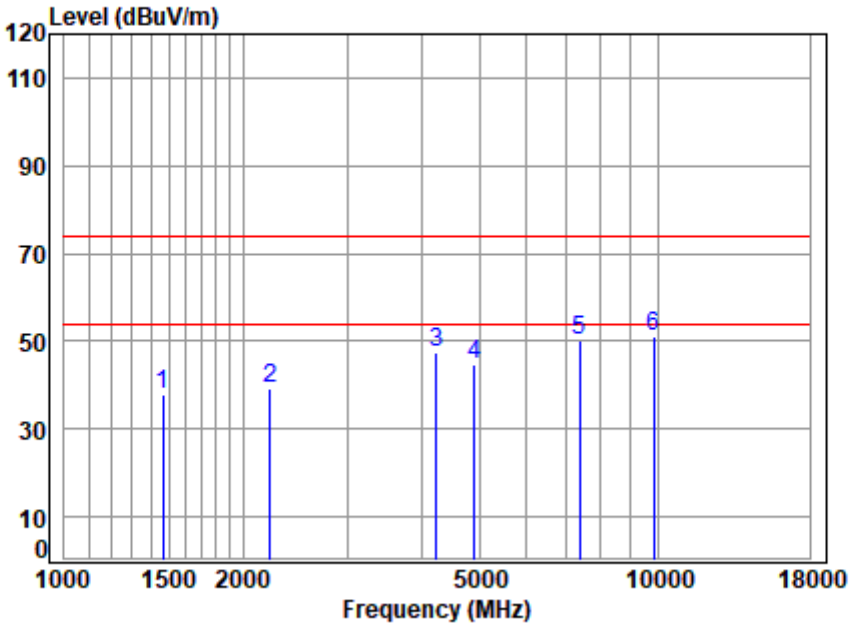

Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
Mode : 2456.5 TX RSE
Note : 3M

	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	1468.761	5.38	25.69	40.48	47.38	37.97	74.00	-36.03	Peak
2	2220.523	5.24	28.22	40.90	46.61	39.17	74.00	-34.83	Peak
3	4230.396	7.26	33.13	42.34	49.32	47.37	74.00	-26.63	Peak
4	4913.000	8.00	34.10	42.84	45.32	44.58	74.00	-29.42	Peak
5	7369.500	10.03	36.20	41.50	45.54	50.27	74.00	-23.73	Peak
6	9826.000	10.85	37.80	38.25	40.86	51.26	74.00	-22.74	Peak

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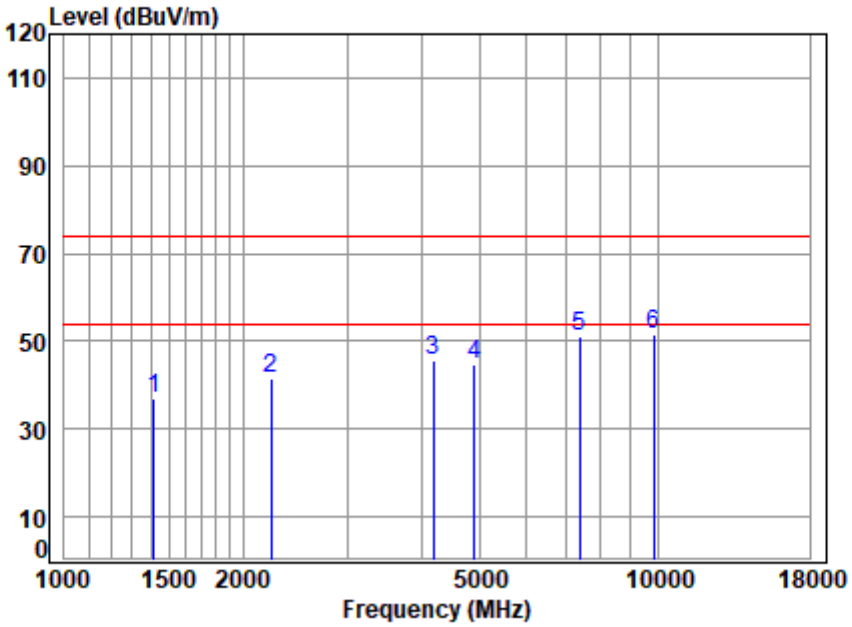
Mode:b; Polarization:Vertical; Bandwidth:3MHz; Channel:2456.5MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
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	1418.692	5.21	25.50	40.45	46.73	36.99	74.00	-37.01	Peak
2	2233.396	5.26	28.25	40.90	48.92	41.53	74.00	-32.47	Peak
3	4181.768	7.20	33.04	42.31	47.92	45.85	74.00	-28.15	Peak
4	4913.000	8.00	34.10	42.84	45.54	44.80	74.00	-29.20	Peak
5	7369.500	10.03	36.20	41.50	46.27	51.00	74.00	-23.00	Peak
6	9826.000	10.85	37.80	38.25	41.27	51.67	74.00	-22.33	Peak

检验检测专用章
Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Laboratory

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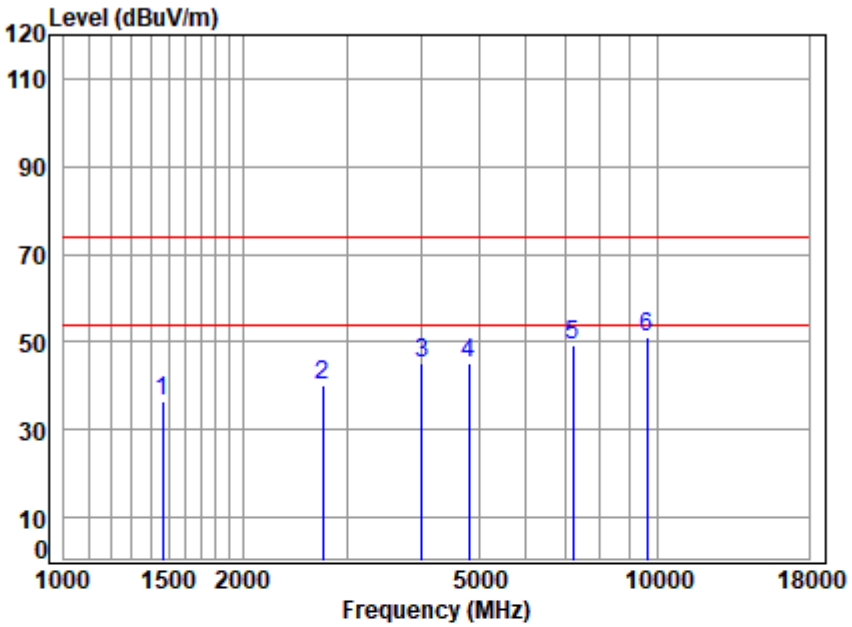
10MHz BW

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
Mode : 2405.5 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	1464.522	5.37	25.67	40.48	46.02	36.58	74.00	-37.42	Peak
2	2734.229	5.80	29.78	41.11	45.89	40.36	74.00	-33.64	Peak
3	4015.929	7.00	32.73	42.17	47.72	45.28	74.00	-28.72	Peak
4	4811.000	7.90	33.98	42.77	46.20	45.31	74.00	-28.69	Peak
5	7216.500	10.07	36.08	41.57	44.90	49.48	74.00	-24.52	Peak
6	9622.000	10.75	37.67	38.55	41.37	51.24	74.00	-22.76	Peak

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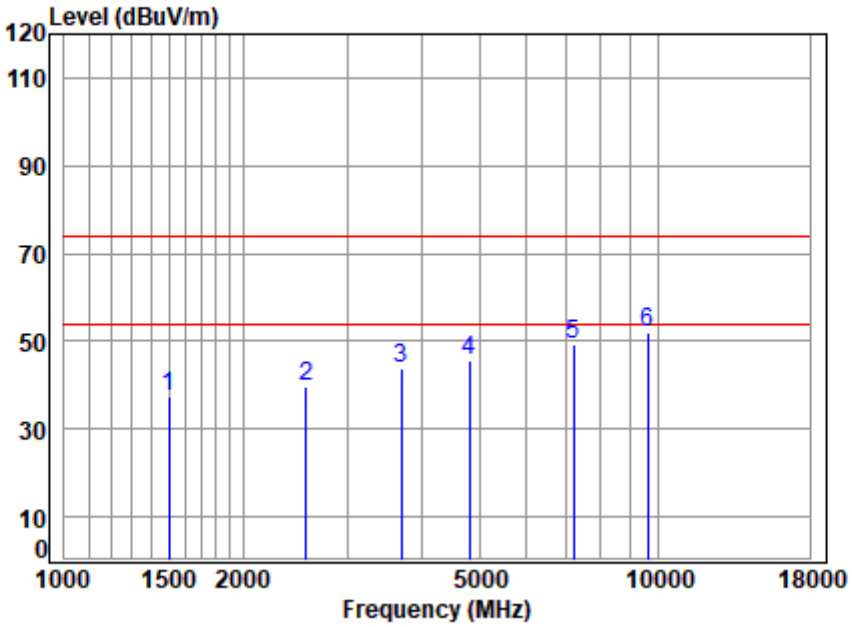
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2405.5MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
Mode : 2405.5 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	1498.781	5.48	25.80	40.51	46.79	37.56	74.00	-36.44	Peak
2	2550.987	5.66	28.94	41.04	45.98	39.54	74.00	-34.46	Peak
3	3693.033	6.67	32.10	41.89	46.70	43.58	74.00	-30.42	Peak
4	4811.000	7.90	33.98	42.77	46.72	45.83	74.00	-28.17	Peak
5	7216.500	10.07	36.08	41.57	44.60	49.18	74.00	-24.82	Peak
6	9622.000	10.75	37.67	38.55	42.13	52.00	74.00	-22.00	Peak

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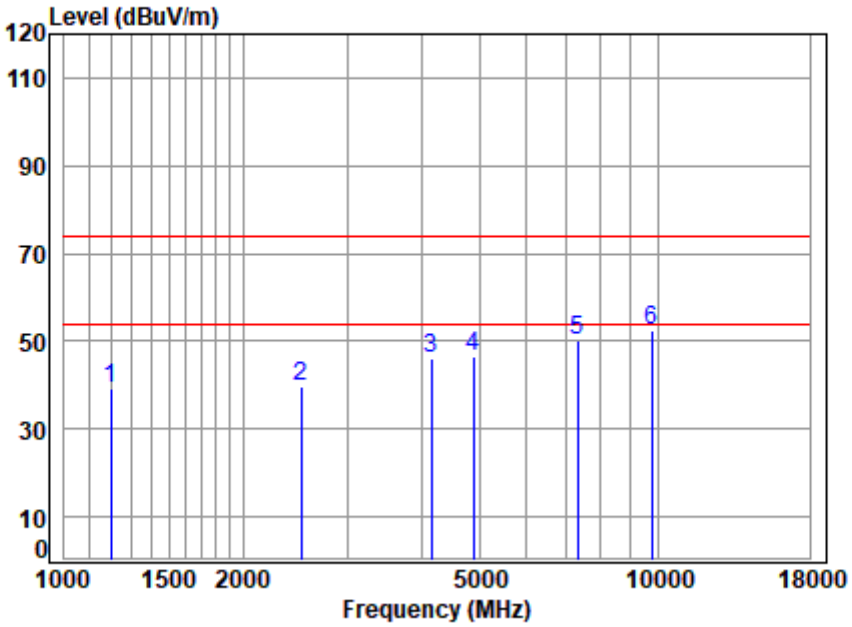
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2441.5MHz



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
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	1199.726	4.42	24.59	40.28	50.65	39.38	74.00	-34.62	Peak
2	2507.129	5.63	28.73	41.02	46.17	39.51	74.00	-34.49	Peak
3	4145.664	7.16	32.97	42.28	48.01	45.86	74.00	-28.14	Peak
4	4883.000	7.97	34.07	42.82	47.45	46.67	74.00	-27.33	Peak
5	7324.500	10.04	36.16	41.52	45.33	50.01	74.00	-23.99	Peak
6	9766.000	10.82	37.76	38.34	42.15	52.39	74.00	-21.61	Peak

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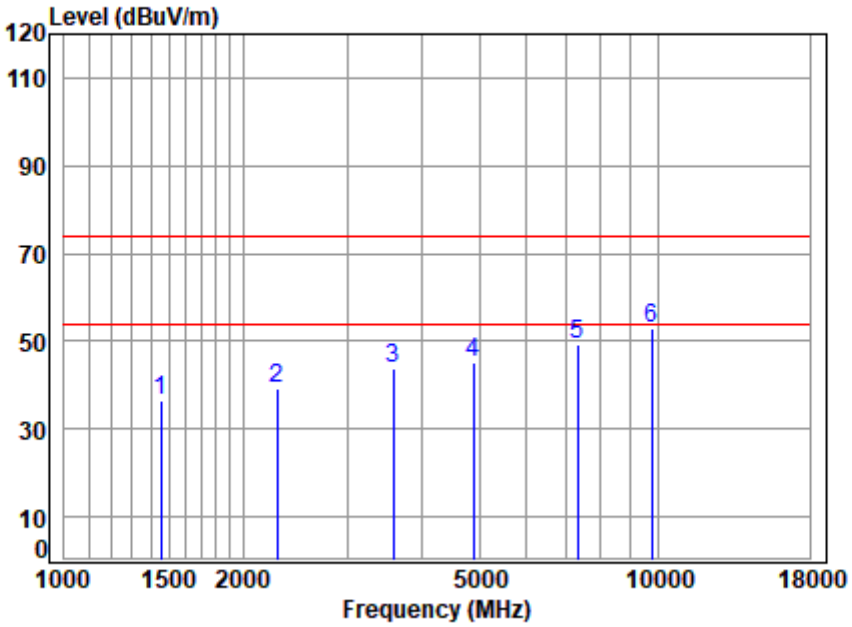
Mode:b; Polarization:Vertical; Bandwidth:10MHz; Channel:2441.5MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
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	1456.081	5.34	25.64	40.48	45.86	36.36	74.00	-37.64	Peak
2	2285.641	5.33	28.34	40.93	46.34	39.08	74.00	-34.92	Peak
3	3577.463	6.55	31.86	41.79	47.24	43.86	74.00	-30.14	Peak
4	4883.000	7.97	34.07	42.82	45.81	45.03	74.00	-28.97	Peak
5	7324.500	10.04	36.16	41.52	44.69	49.37	74.00	-24.63	Peak
6	9766.000	10.82	37.76	38.34	42.72	52.96	74.00	-21.04	Peak

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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch (Guangdong) EMC Laboratory

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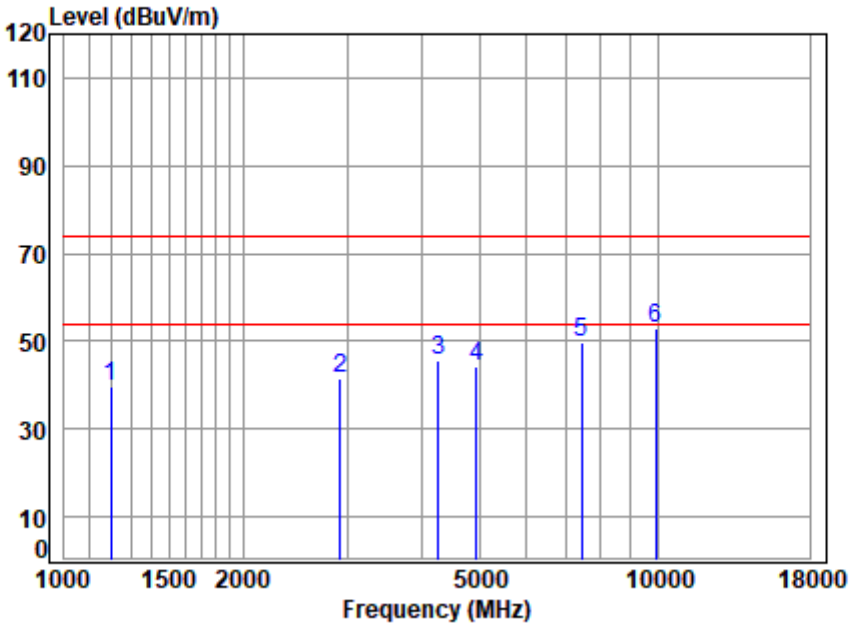
Mode:b; Polarization:Horizontal; Bandwidth:10MHz; Channel:2476.5MHz



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
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	1199.726	4.42	24.59	40.28	51.19	39.92	74.00	-34.08	Peak
2	2922.174	5.93	30.58	41.17	46.19	41.53	74.00	-32.47	Peak
3	4267.237	7.30	33.19	42.37	47.60	45.72	74.00	-28.28	Peak
4	4953.000	8.04	34.15	42.87	45.11	44.43	74.00	-29.57	Peak
5	7429.500	10.02	36.25	41.47	45.09	49.89	74.00	-24.11	Peak
6	9906.000	10.89	37.84	38.14	42.22	52.81	74.00	-21.19	Peak

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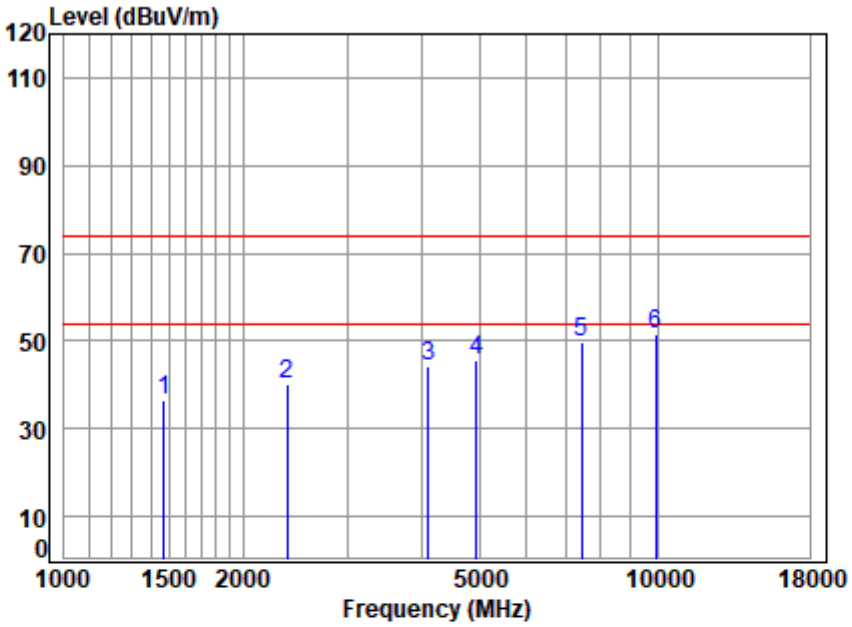
Member of the SGS Group (SGS SA)

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



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
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	1473.013	5.39	25.70	40.49	46.09	36.69	74.00	-37.31	Peak
2	2373.157	5.45	28.49	40.97	47.20	40.17	74.00	-33.83	Peak
3	4098.010	7.10	32.88	42.24	46.64	44.38	74.00	-29.62	Peak
4	4953.000	8.04	34.15	42.87	46.13	45.45	74.00	-28.55	Peak
5	7429.500	10.02	36.25	41.47	44.72	49.52	74.00	-24.48	Peak
6	9906.000	10.89	37.84	38.14	41.19	51.78	74.00	-22.22	Peak

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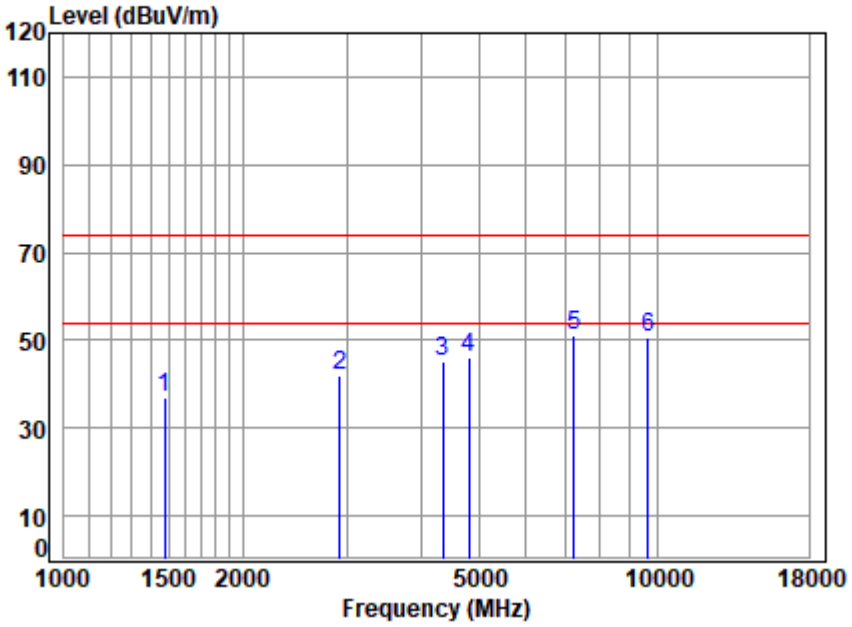
20MHz BW
Mode:b; Polarization:Horizontal; Bandwidth:20MHz; Channel:2410.5MHz



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
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	1477.276	5.41	25.72	40.49	46.11	36.75	74.00	-37.25	Peak
2	2922.174	5.93	30.58	41.17	46.58	41.92	74.00	-32.08	Peak
3	4354.454	7.40	33.35	42.44	46.76	45.07	74.00	-28.93	Peak
4	4821.000	7.91	33.99	42.78	46.83	45.95	74.00	-28.05	Peak
5	7231.500	10.07	36.09	41.57	46.46	51.05	74.00	-22.95	Peak
6	9642.000	10.76	37.69	38.52	40.90	50.83	74.00	-23.17	Peak

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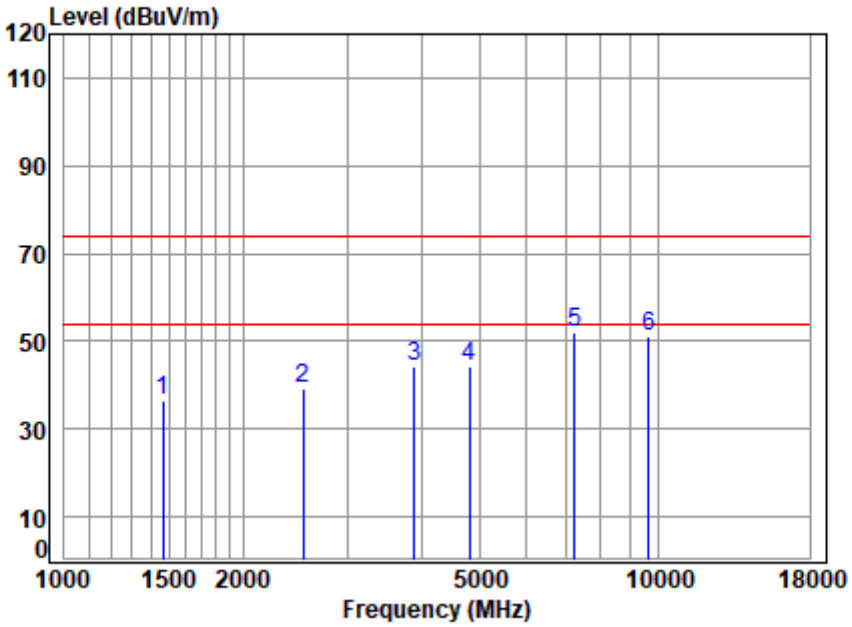

Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
Mode : 2410.5 TX RSE
Note : 20M

	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	1468.761	5.38	25.69	40.48	46.08	36.67	74.00	-37.33	Peak
2	2528.963	5.64	28.84	41.03	45.96	39.41	74.00	-34.59	Peak
3	3890.255	6.87	32.49	42.06	46.89	44.19	74.00	-29.81	Peak
4	4821.000	7.91	33.99	42.78	45.16	44.28	74.00	-29.72	Peak
5	7231.500	10.07	36.09	41.57	47.54	52.13	74.00	-21.87	Peak
6	9642.000	10.76	37.69	38.52	41.39	51.32	74.00	-22.68	Peak

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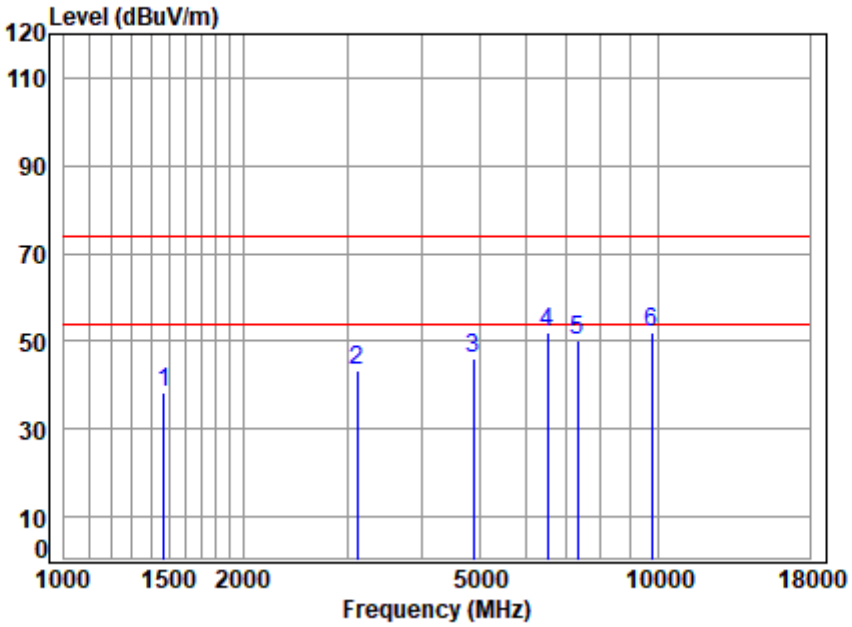
Mode:b; Polarization:Horizontal; Bandwidth:20MHz; Channel:2441.5MHz



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
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	1473.013	5.39	25.70	40.49	47.90	38.50	74.00	-35.50	Peak
2	3114.025	6.10	31.09	41.32	47.42	43.29	74.00	-30.71	Peak
3	4883.000	7.97	34.07	42.82	47.04	46.26	74.00	-27.74	Peak
4	6526.373	11.46	35.62	41.94	46.83	51.97	74.00	-22.03	Peak
5	7324.500	10.04	36.16	41.52	45.46	50.14	74.00	-23.86	Peak
6	9766.000	10.82	37.76	38.34	41.81	52.05	74.00	-21.95	Peak

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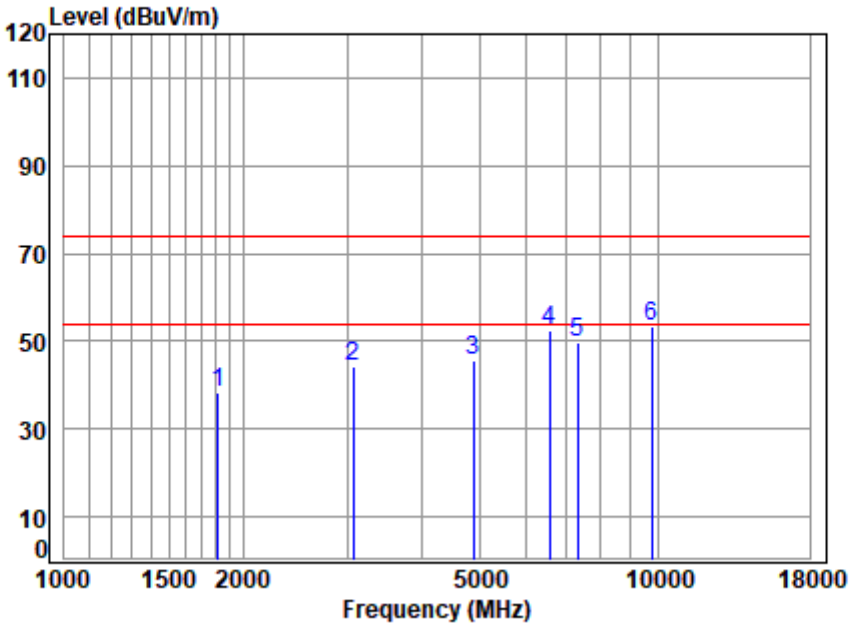
Mode:b; Polarization:Vertical; Bandwidth:20MHz; Channel:2441.5MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
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	1819.036	5.09	27.14	40.70	46.64	38.17	74.00	-35.83	Peak
2	3069.345	6.05	31.02	41.28	48.33	44.12	74.00	-29.88	Peak
3	4883.000	7.97	34.07	42.82	46.44	45.66	74.00	-28.34	Peak
4	6564.209	11.35	35.64	41.92	47.49	52.56	74.00	-21.44	Peak
5	7324.500	10.04	36.16	41.52	44.94	49.62	74.00	-24.38	Peak
6	9766.000	10.82	37.76	38.34	42.99	53.23	74.00	-20.77	Peak

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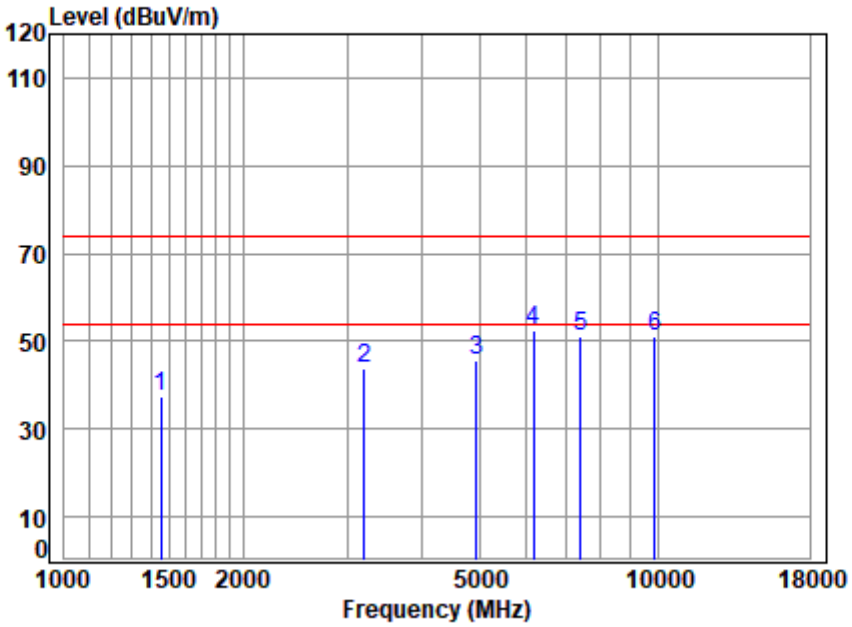
Mode:b; Polarization:Horizontal; Bandwidth:20MHz; Channel:2472.5MHz



Site : chamber
Condition: 3m HORIZONTAL
Job No : 21064CR/21066CR
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	1456.081	5.34	25.64	40.48	47.12	37.62	74.00	-36.38	Peak
2	3196.094	6.18	31.23	41.41	47.80	43.80	74.00	-30.20	Peak
3	4945.000	8.03	34.14	42.86	46.43	45.74	74.00	-28.26	Peak
4	6159.797	10.89	35.26	42.15	48.53	52.53	74.00	-21.47	Peak
5	7417.500	10.02	36.24	41.47	46.37	51.16	74.00	-22.84	Peak
6	9890.000	10.89	37.84	38.16	40.38	50.95	74.00	-23.05	Peak

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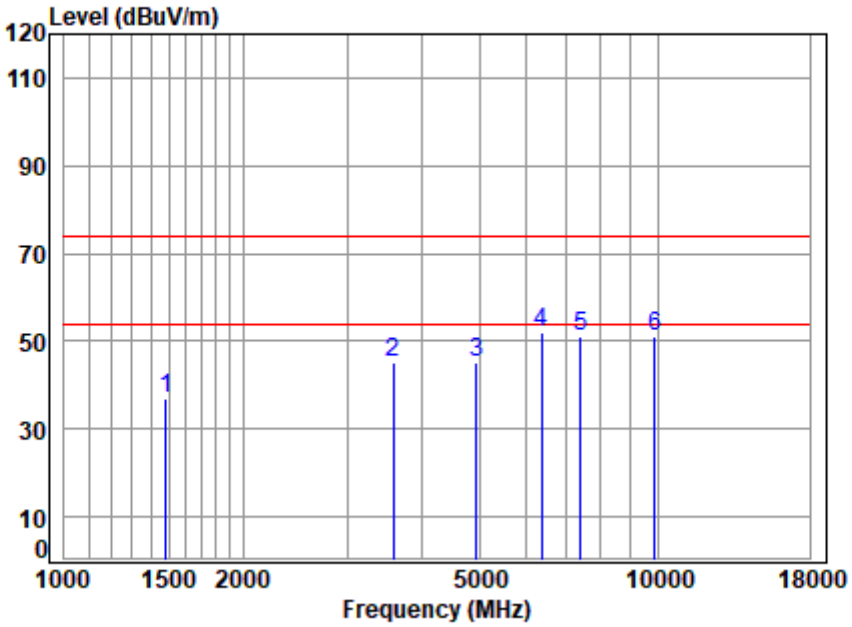
Mode:b; Polarization:Vertical; Bandwidth:20MHz; Channel:2472.5MHz



Site : chamber
Condition: 3m VERTICAL
Job No : 21064CR/21066CR
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	1485.841	5.43	25.75	40.50	46.33	37.01	74.00	-36.99	Peak
2	3577.463	6.55	31.86	41.79	48.66	45.28	74.00	-28.72	Peak
3	4945.000	8.03	34.14	42.86	46.01	45.32	74.00	-28.68	Peak
4	6377.195	11.31	35.48	42.02	47.31	52.08	74.00	-21.92	Peak
5	7417.500	10.02	36.24	41.47	46.16	50.95	74.00	-23.05	Peak
6	9890.000	10.89	37.84	38.16	40.32	50.89	74.00	-23.11	Peak

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8 Photographs

8.1 Test Setup

Please refer to setup photos.

8.2 EUT Constructional Details (EUT Photos)

Please Refer to external and internal photos for details.

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9 Appendix

9.1 Appendix RSS247

1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit[MHz]	Verdict
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	1.128	>=0.5	PASS
1.4MHz BW	2407.5	Ant1	1.113	>=0.5	PASS
1.4MHz BW	2441.5	Ant1	1.107	>=0.5	PASS
1.4MHz BW	2465.5	Ant1	1.107	>=0.5	PASS
3MHz BW	2417.5	Ant1	2.178	>=0.5	PASS
3MHz BW	2441.5	Ant1	2.178	>=0.5	PASS
3MHz BW	2456.5	Ant1	2.178	>=0.5	PASS
10MHz BW	2405.5	Ant1	9.060	>=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	18.100	>=0.5	PASS
20MHz BW	2472.5	Ant1	18.050	>=0.5	PASS

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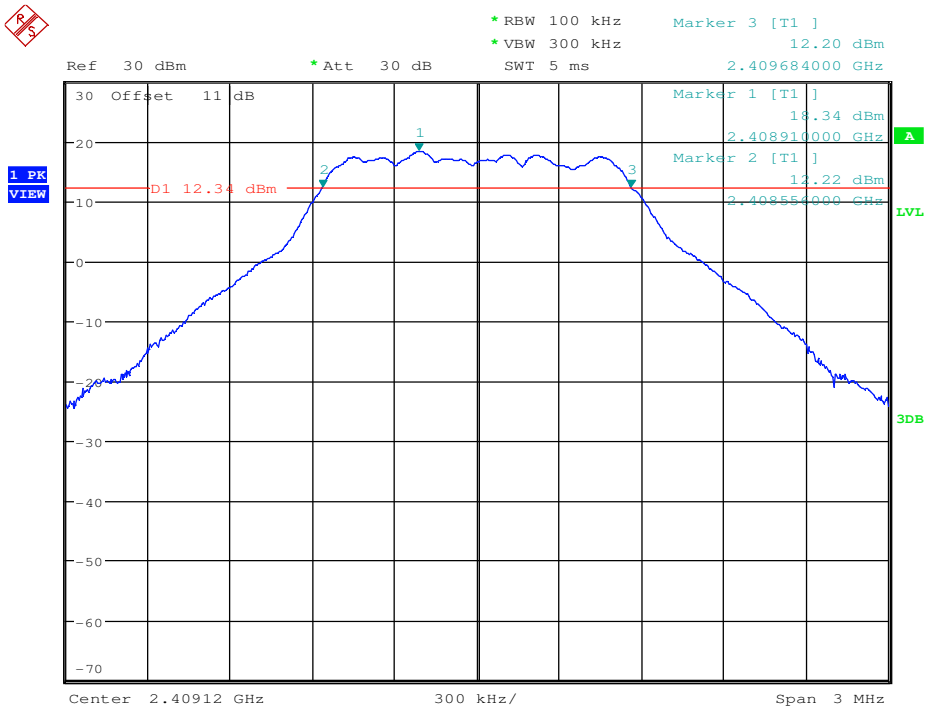
Member of the SGS Group (SGS SA)

6dB Bandwidth_1.4MHz BW CA_2409.12_Ant1



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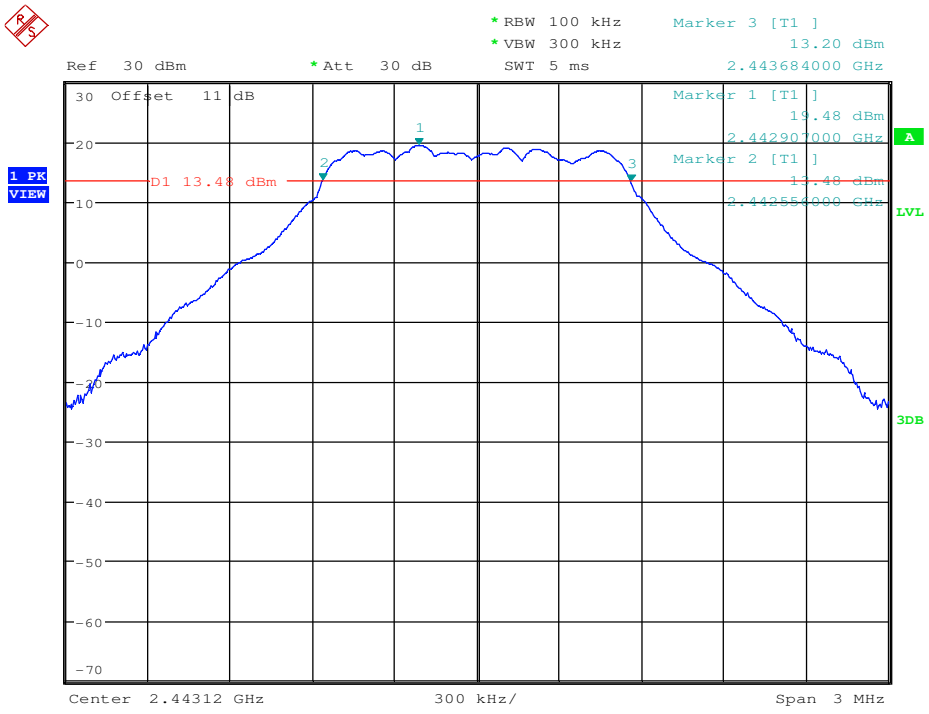

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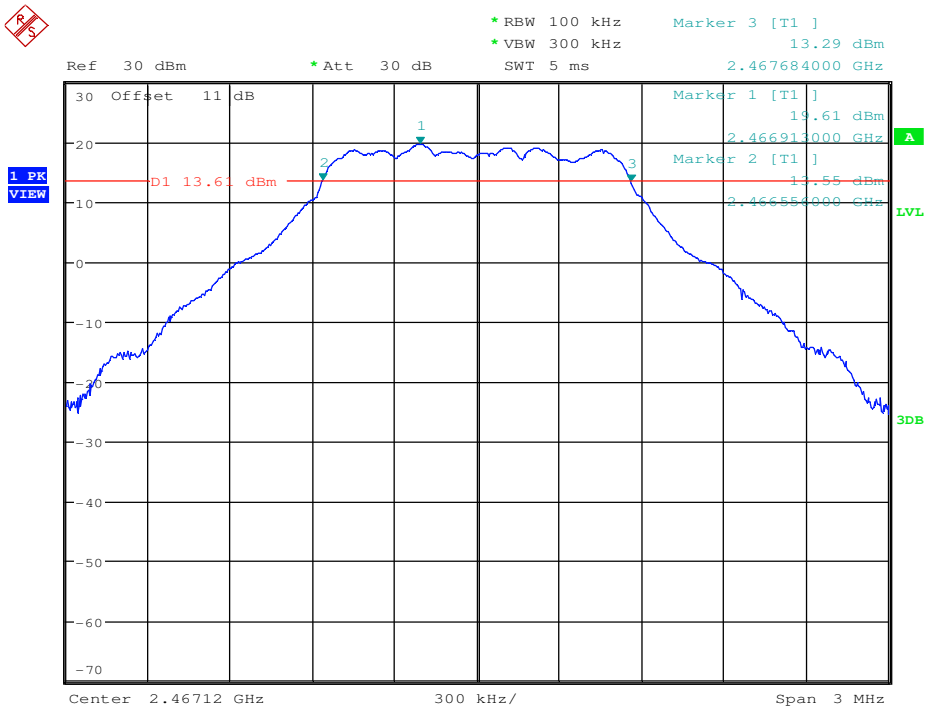
6dB Bandwidth_1.4MHz BW CA_2467.12_Ant1



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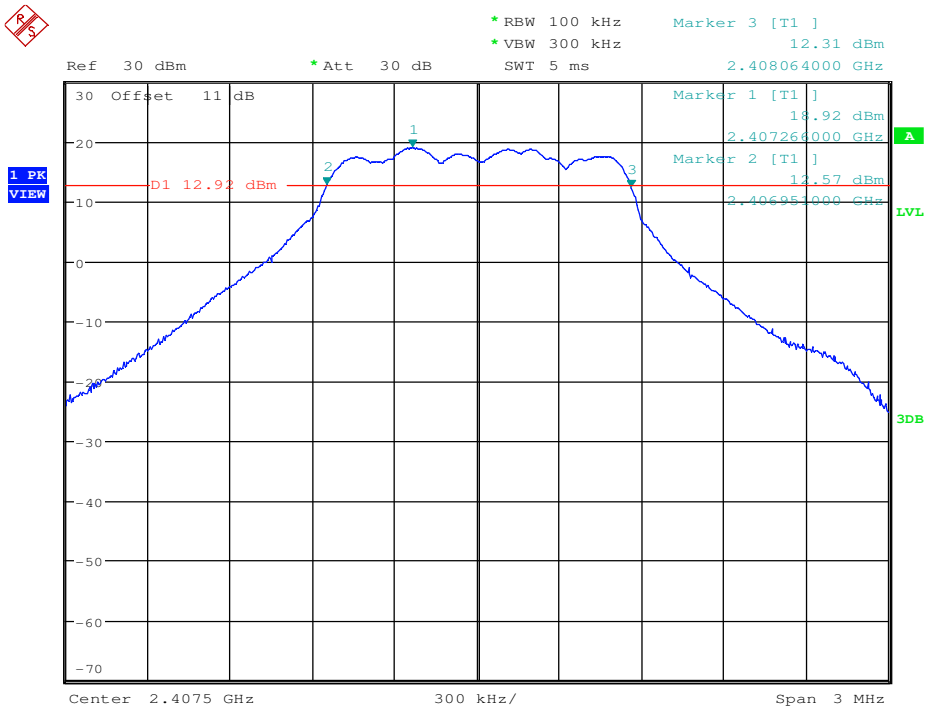

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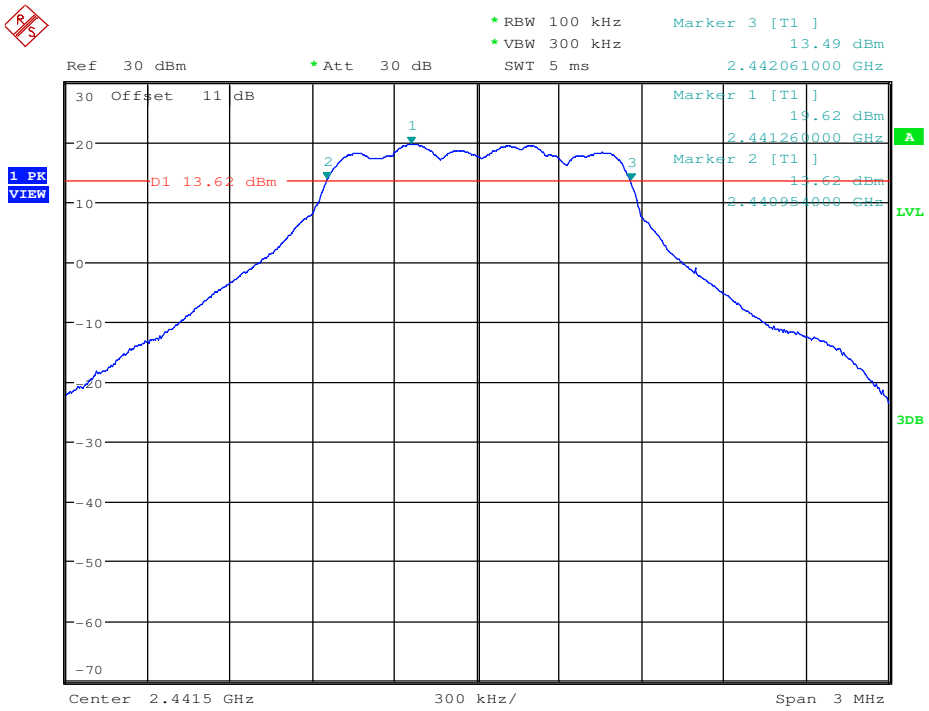
6dB Bandwidth_1.4MHz BW_2441.5_Ant1



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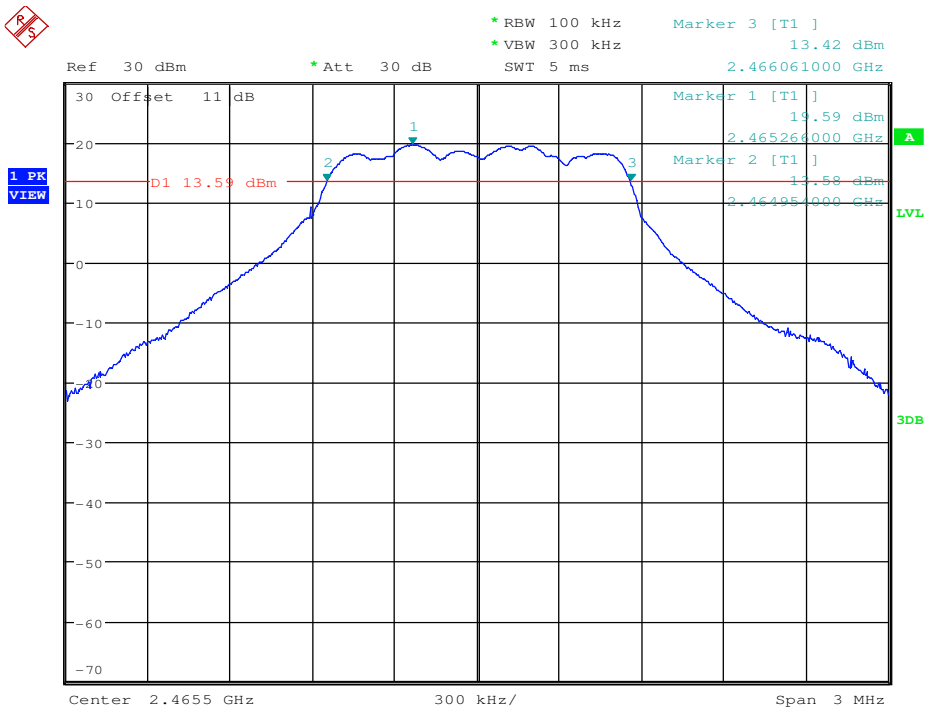

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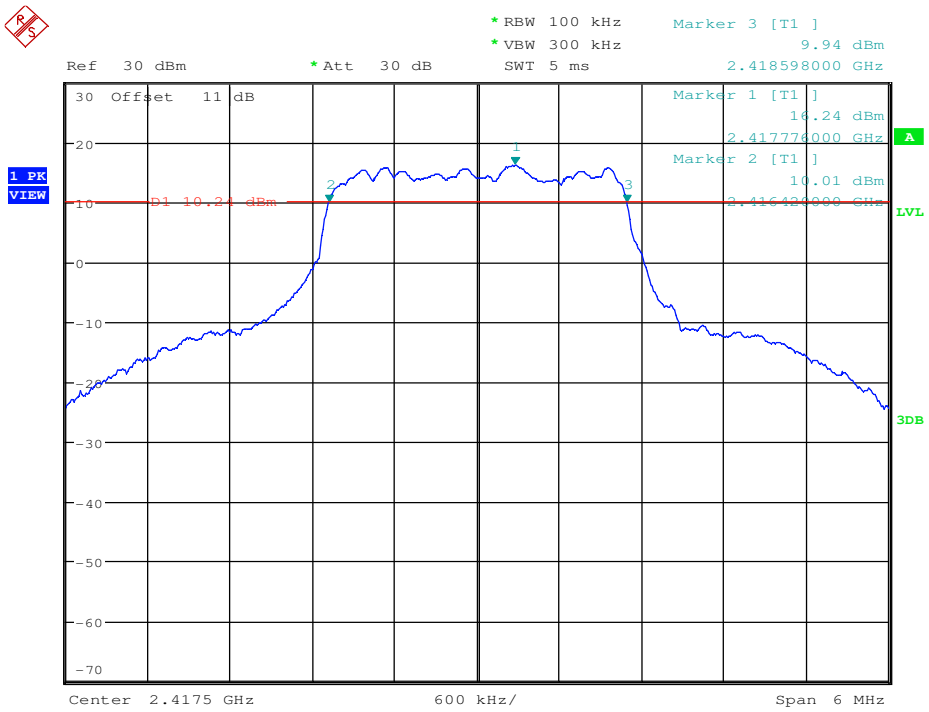
6dB Bandwidth_3MHz BW_2417.5_Ant1



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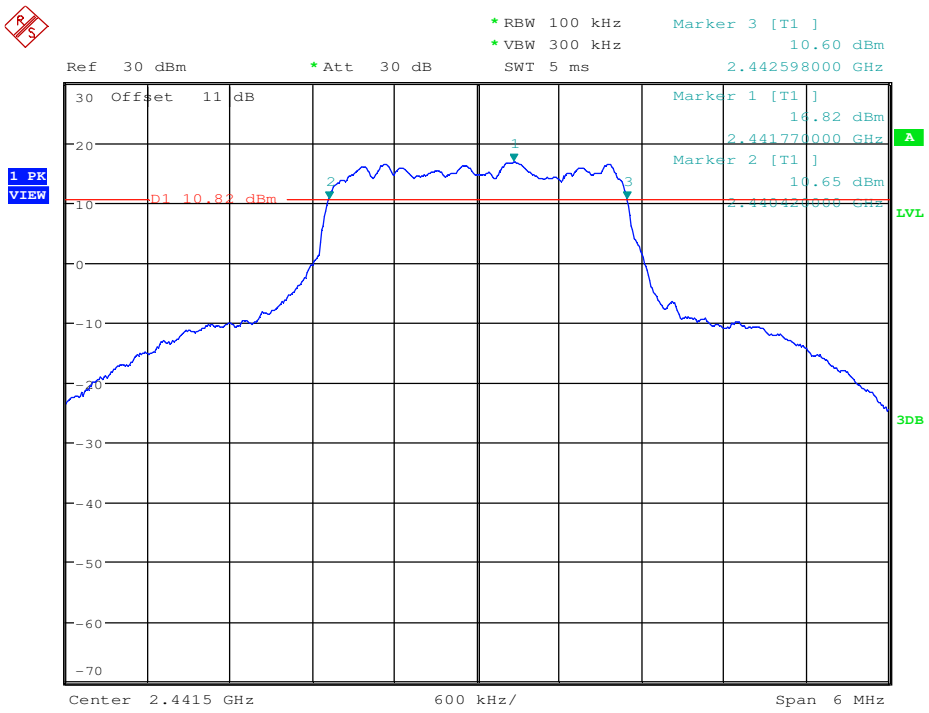

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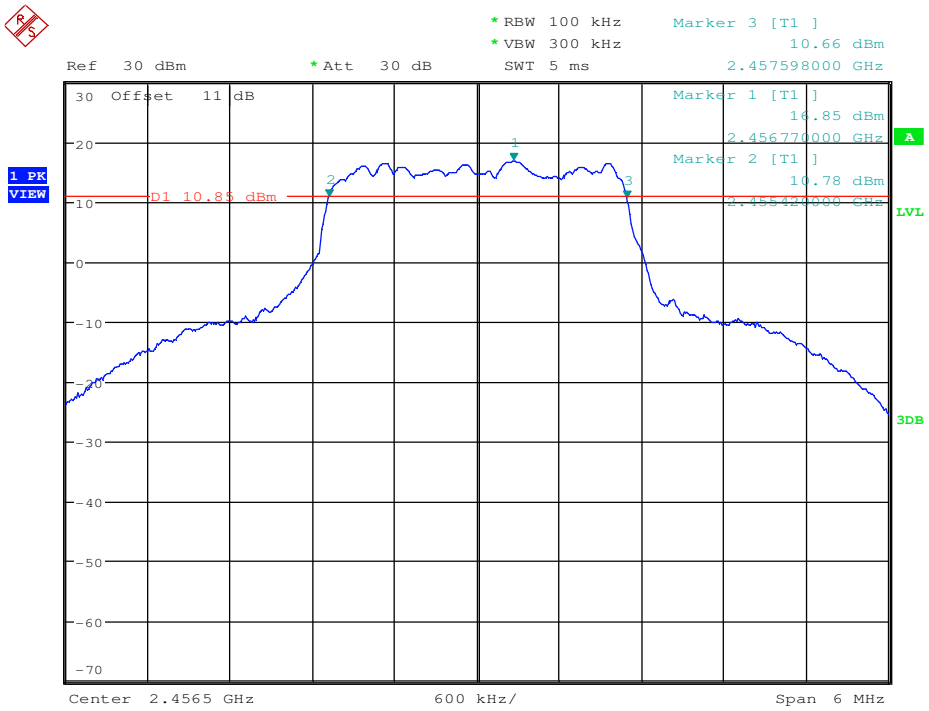
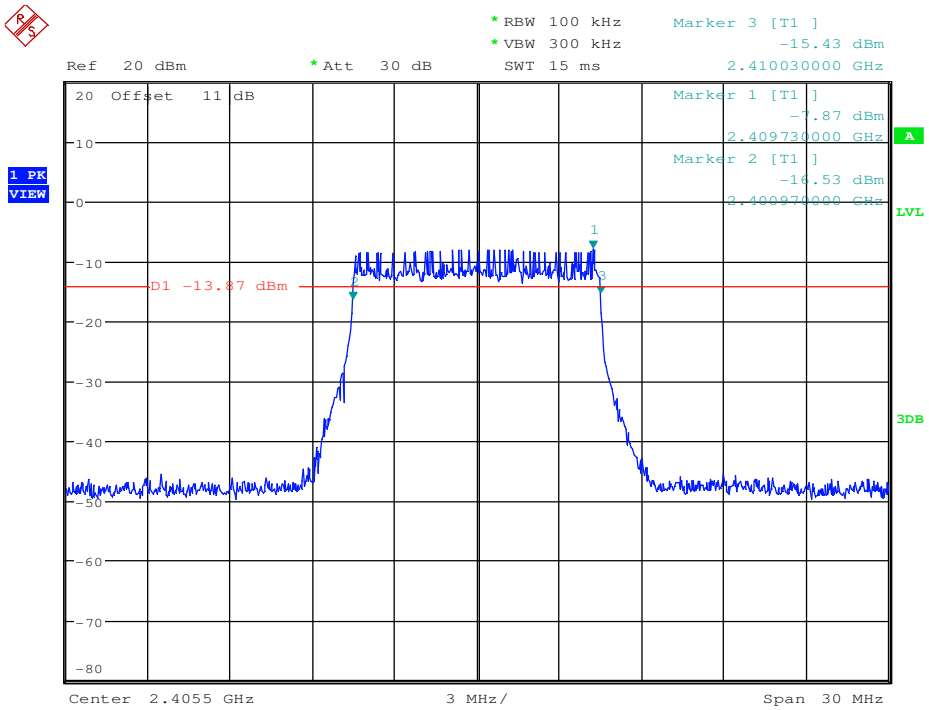
6dB Bandwidth_3MHz BW_2456.5_Ant1



6dB Bandwidth_10MHz BW_2405.5_Ant1



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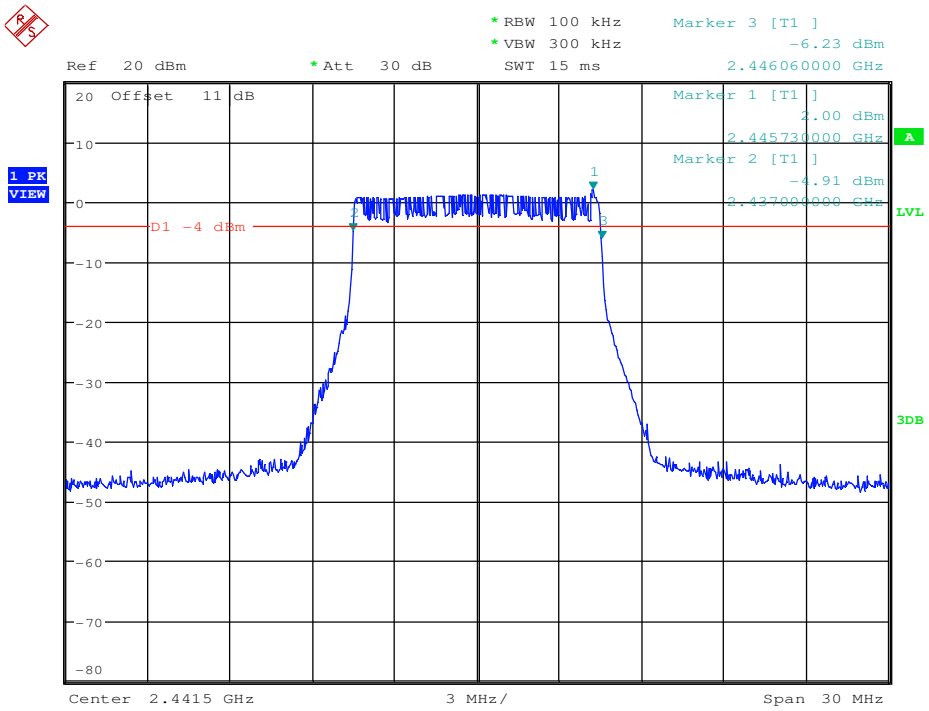
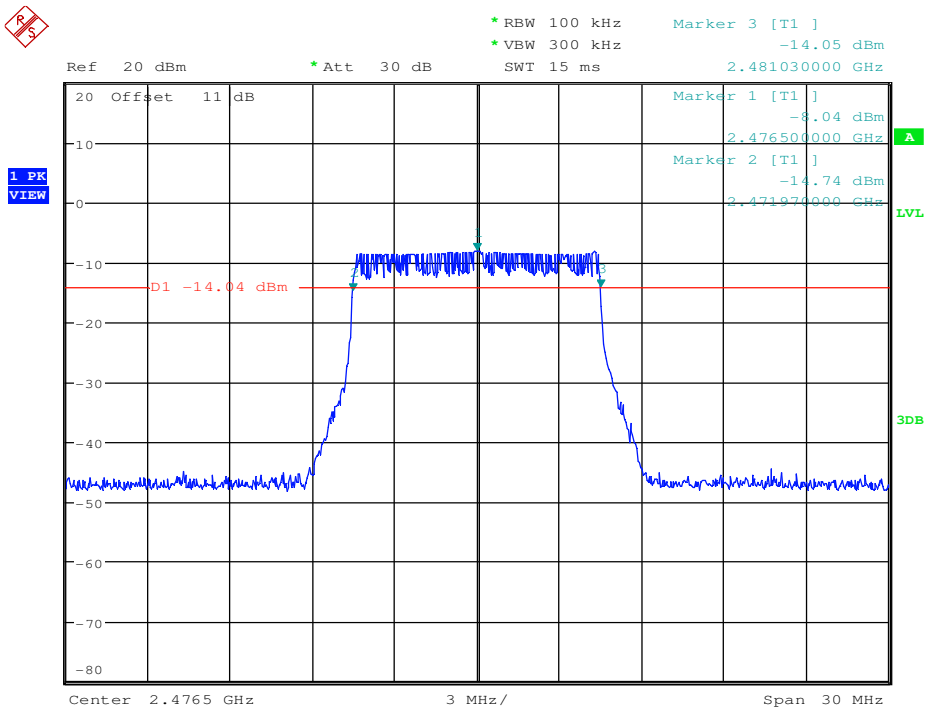
6dB Bandwidth_10MHz BW_2441.5_Ant1



6dB Bandwidth_10MHz BW_2476.5_Ant1



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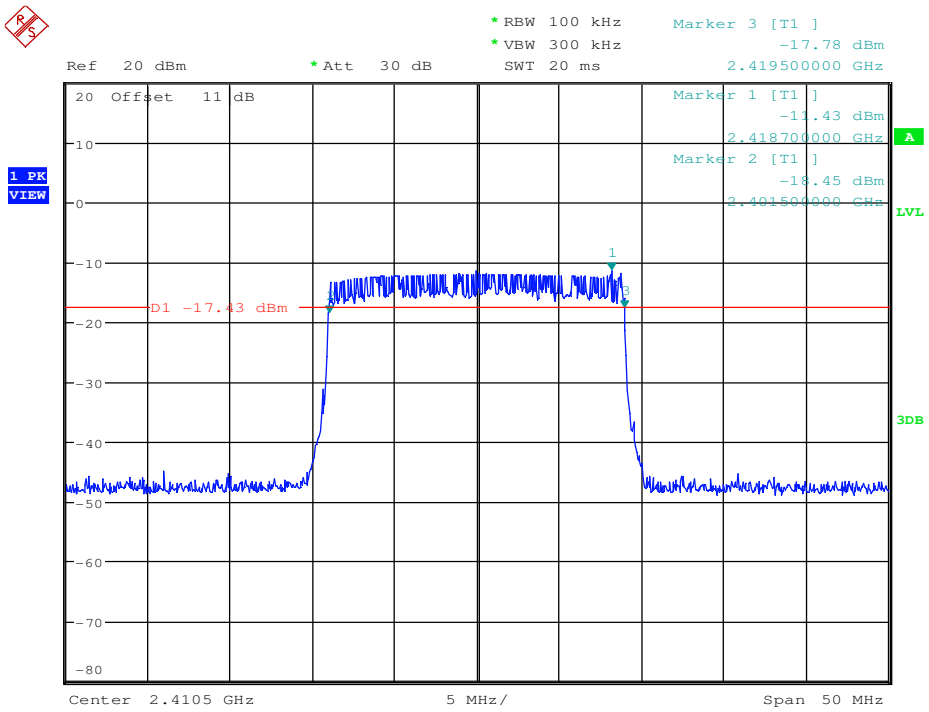
6dB Bandwidth_20MHz BW_2410.5_Ant1



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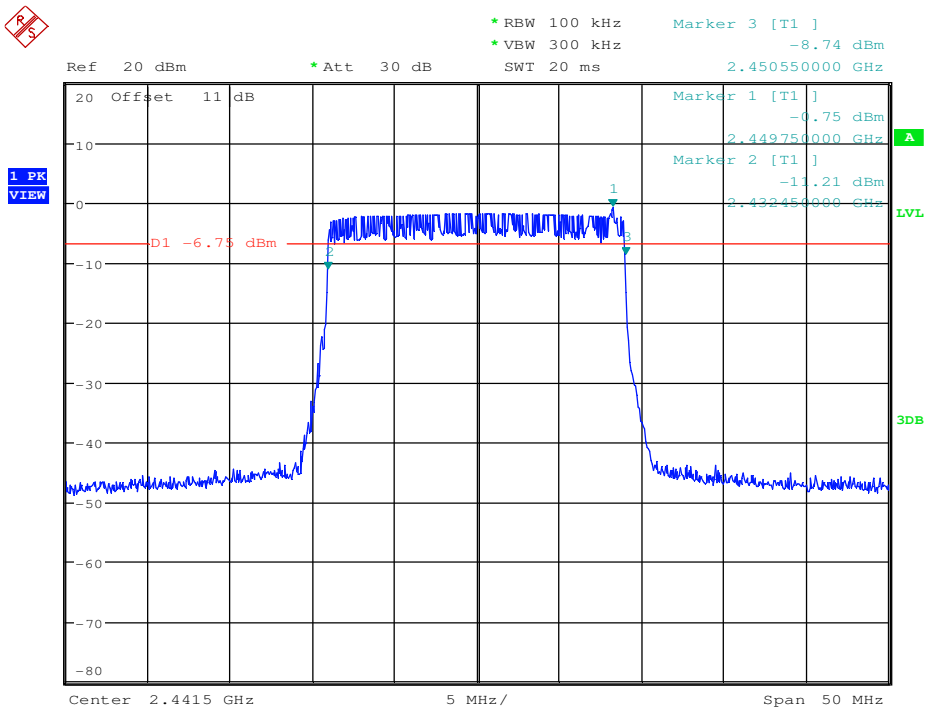

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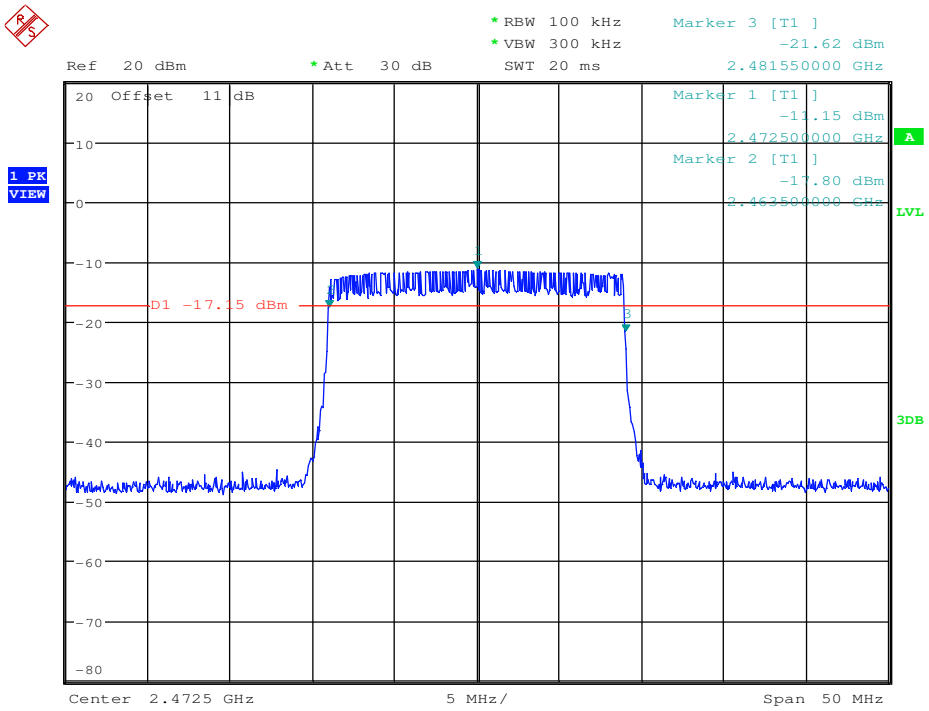
6dB Bandwidth_20MHz BW_2472.5_Ant1



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2.Occupied Bandwidth

Test Mode	Test Channel	Ant	OBW[MHz]	Limit[MHz]	Verdict
1.4MHz BW CA	2409.12	Ant1	1.164	---	PASS
1.4MHz BW CA	2443.12	Ant1	1.182	---	PASS
1.4MHz BW CA	2467.12	Ant1	1.182	---	PASS
1.4MHz BW	2407.5	Ant1	1.173	---	PASS
1.4MHz BW	2441.5	Ant1	1.173	---	PASS
1.4MHz BW	2465.5	Ant1	1.173	---	PASS
3MHz BW	2417.5	Ant1	2.196	---	PASS
3MHz BW	2441.5	Ant1	2.202	---	PASS
3MHz BW	2456.5	Ant1	2.214	---	PASS
10MHz BW	2405.5	Ant1	8.970	---	PASS
10MHz BW	2441.5	Ant1	8.970	---	PASS
10MHz BW	2476.5	Ant1	8.970	---	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

检验检测专用章
Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch EMC/RF/EC Laboratory.

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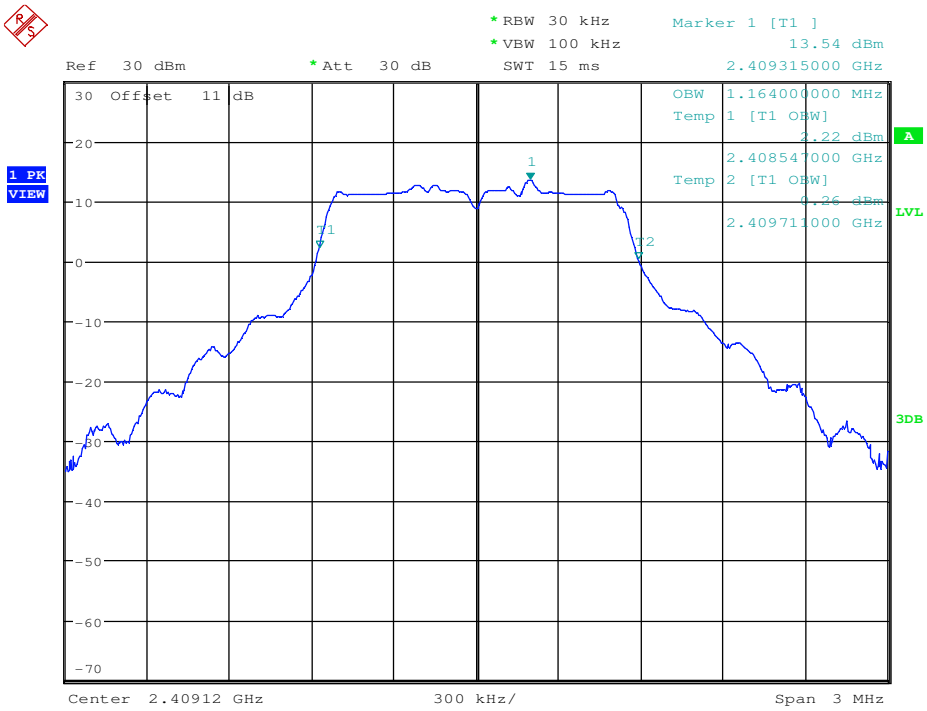
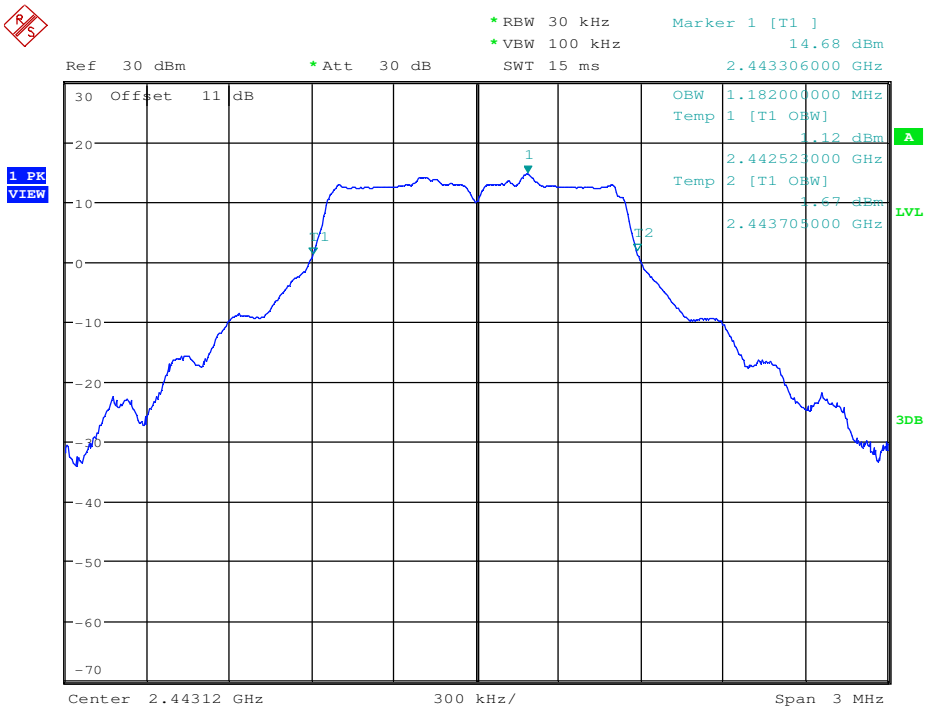
Occupied Bandwidth_1.4MHz BW CA_2409.12_Ant1



Occupied Bandwidth_1.4MHz BW CA_2443.12_Ant1



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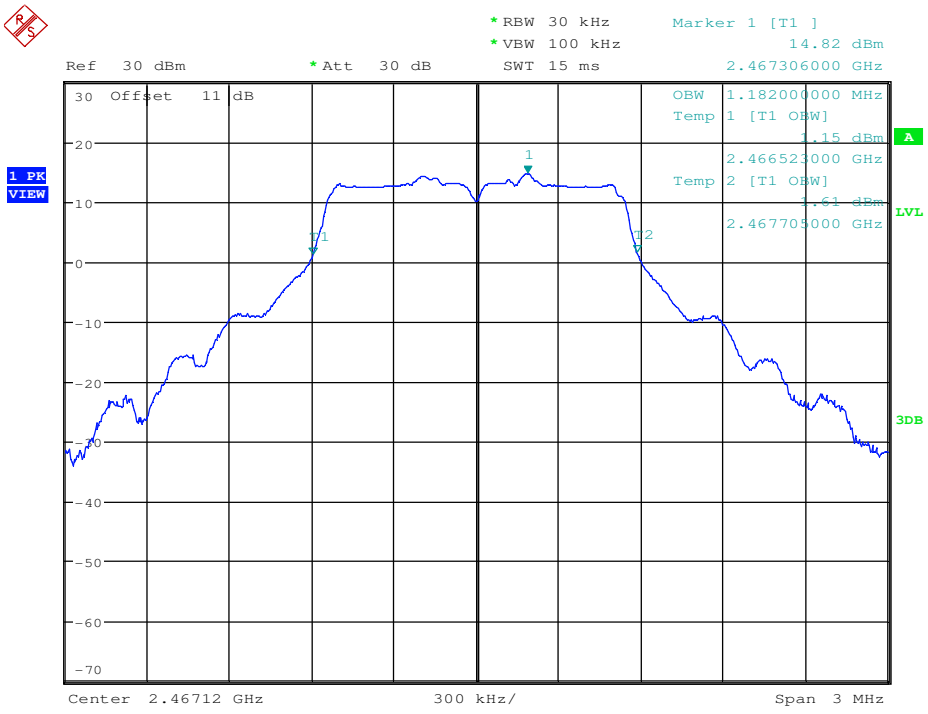
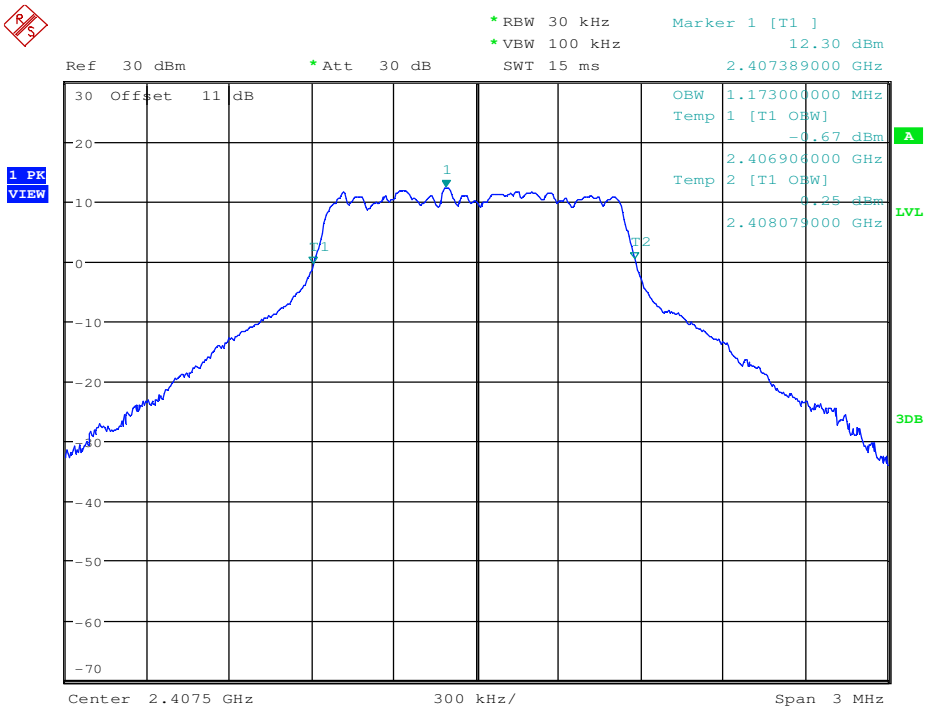
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Occupied Bandwidth_1.4MHz BW CA_2467.12_Ant1



Occupied Bandwidth_1.4MHz BW_2407.5_Ant1



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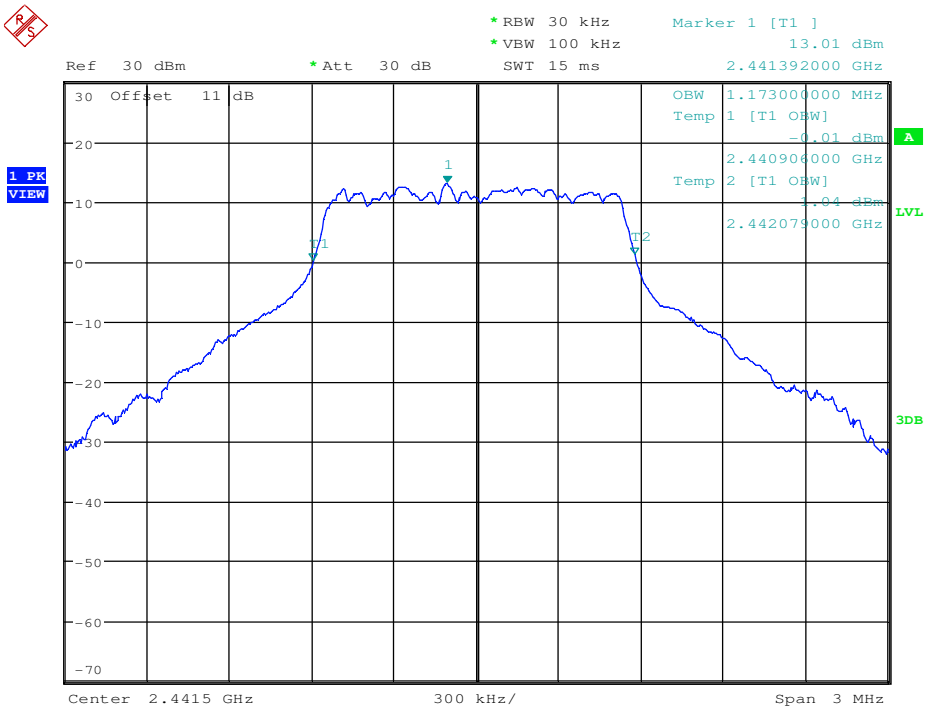
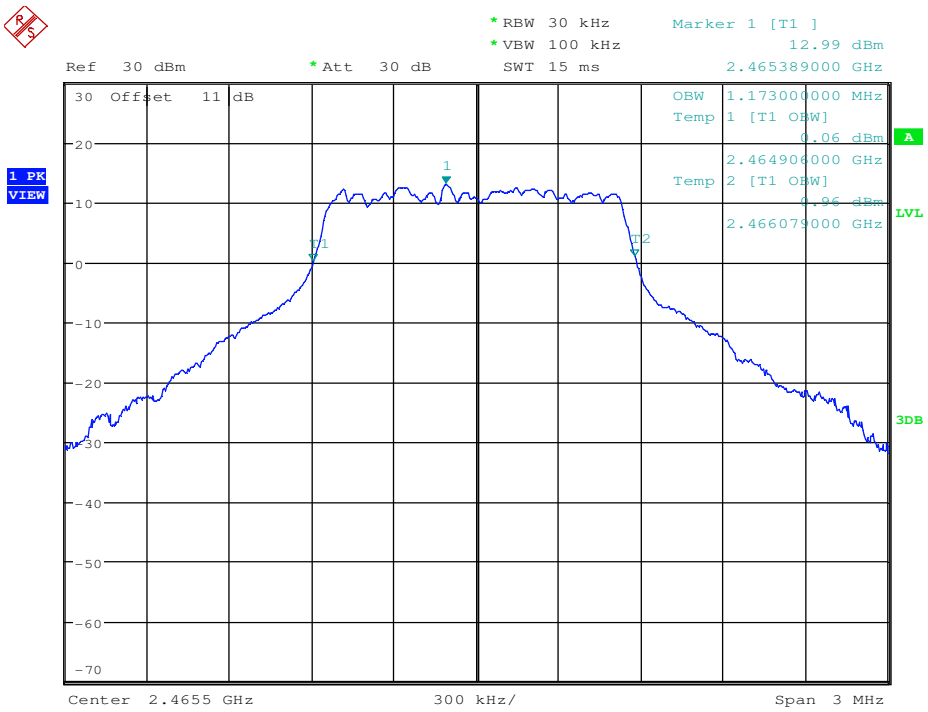
Occupied Bandwidth_1.4MHz BW_2441.5_Ant1



Occupied Bandwidth_1.4MHz BW_2465.5_Ant1



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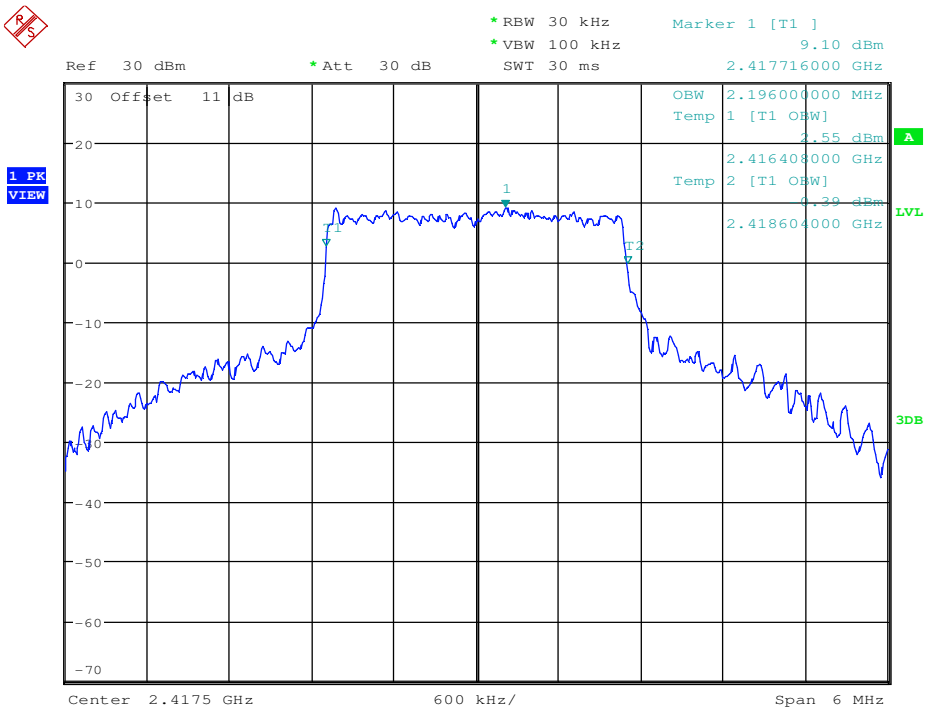
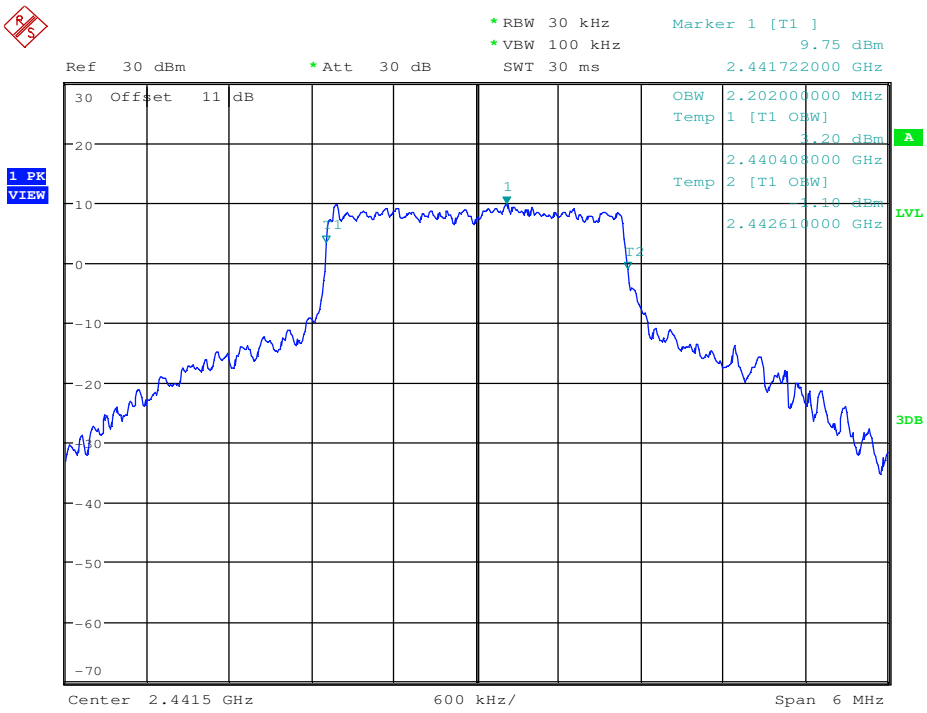
Occupied Bandwidth_3MHz BW_2417.5_Ant1



Occupied Bandwidth_3MHz BW_2441.5_Ant1



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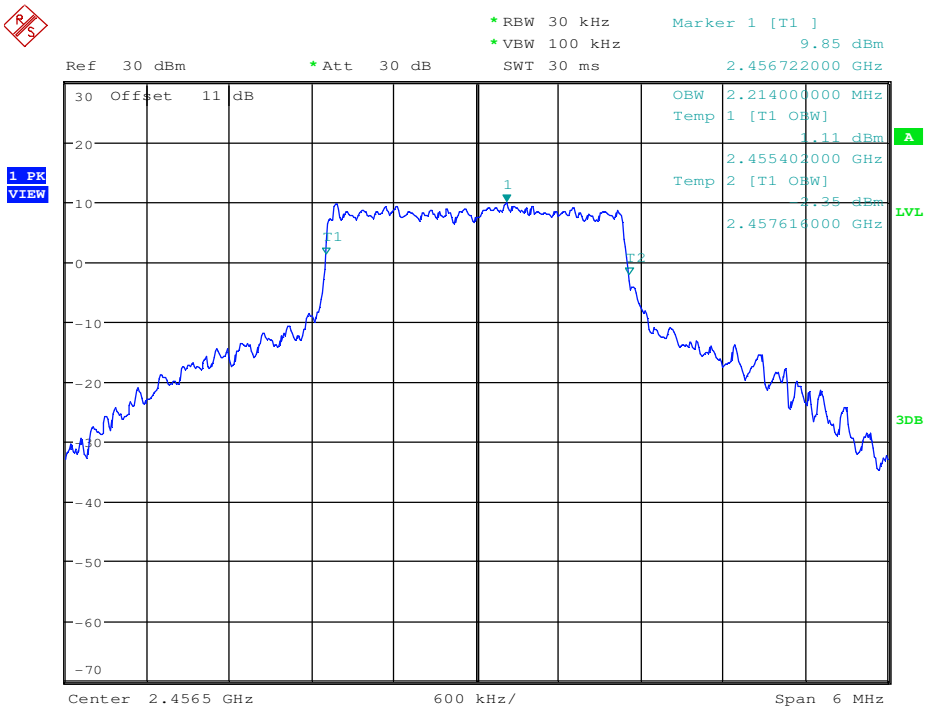
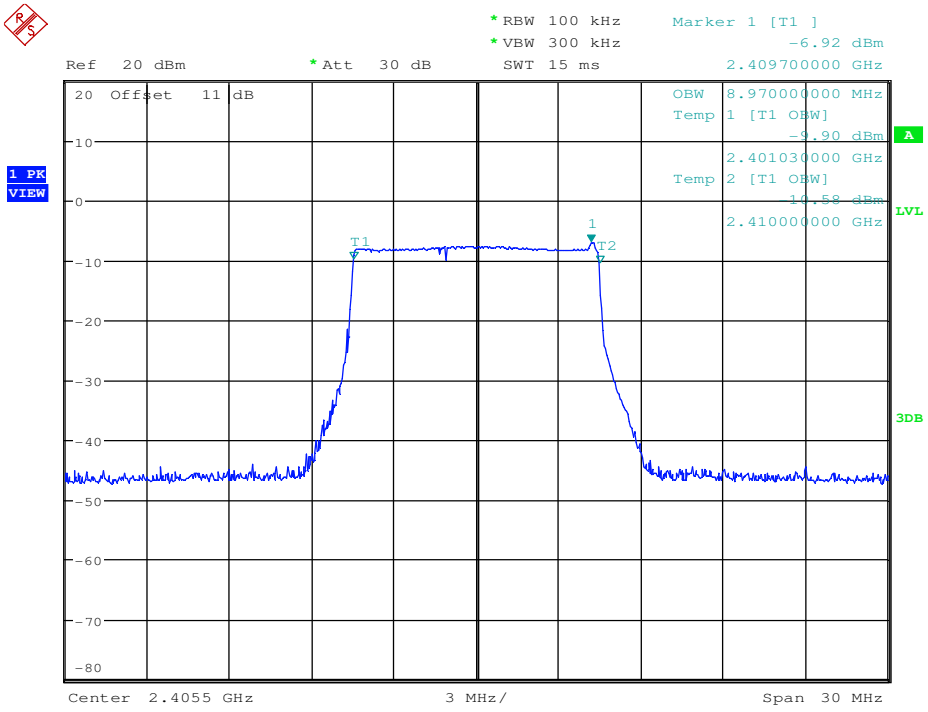
Occupied Bandwidth_3MHz BW_2456.5_Ant1



Occupied Bandwidth_10MHz BW_2405.5_Ant1



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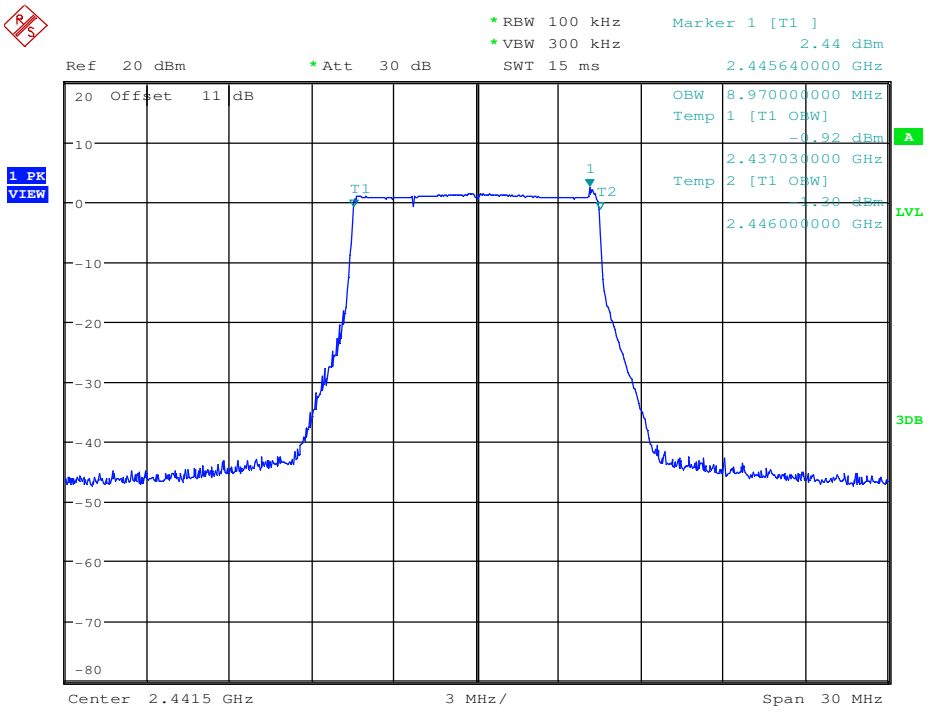
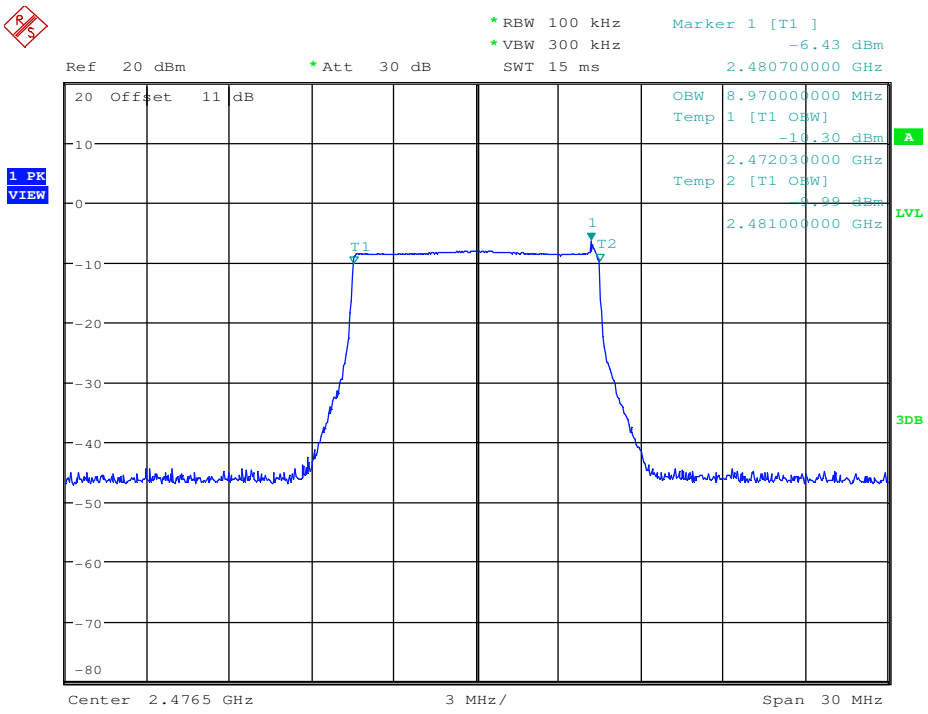
Occupied Bandwidth_10MHz BW_2441.5_Ant1



Occupied Bandwidth_10MHz BW_2476.5_Ant1



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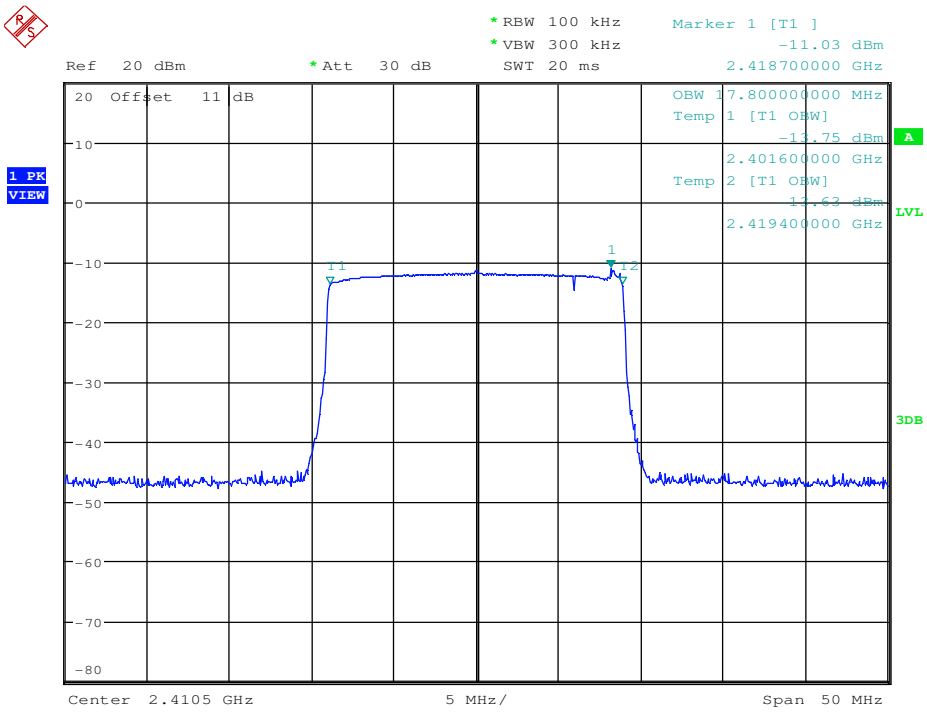
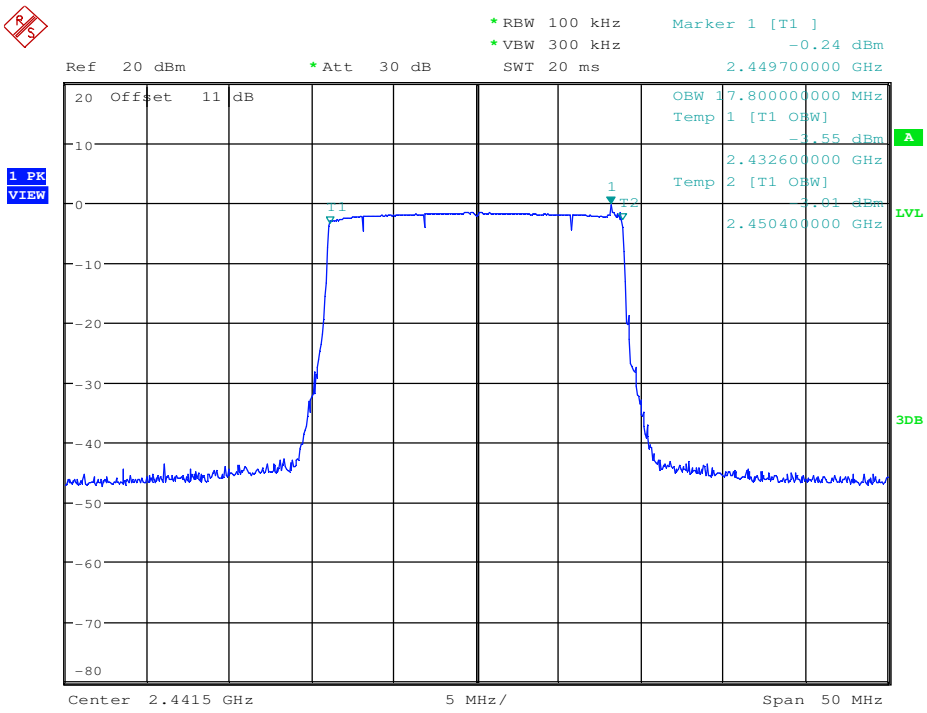
Occupied Bandwidth_20MHz BW_2410.5_Ant1



Occupied Bandwidth_20MHz BW_2441.5_Ant1



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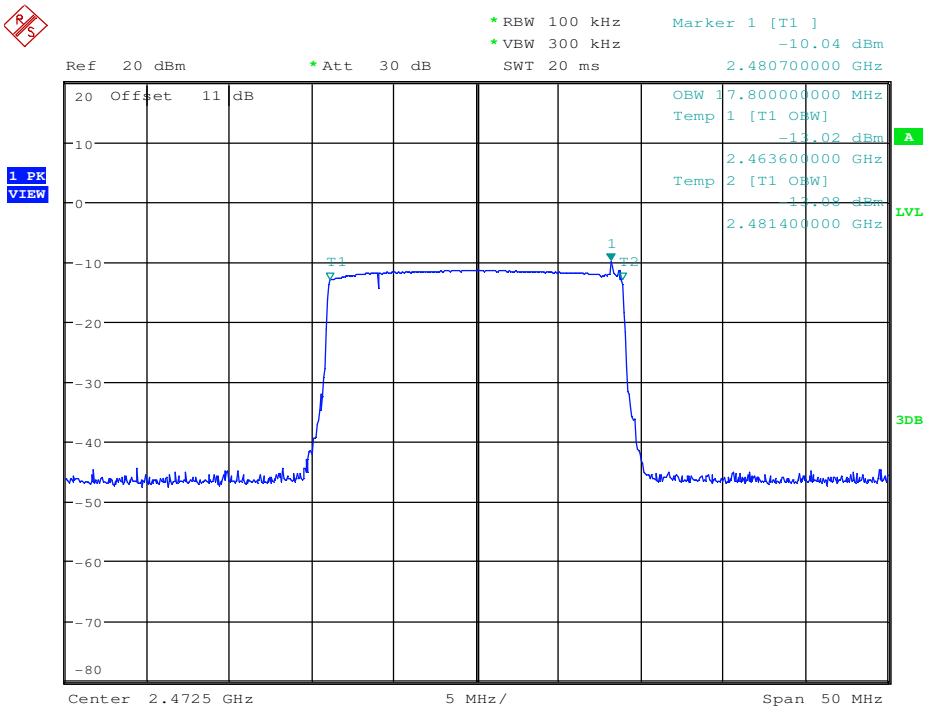
Occupied Bandwidth_20MHz BW_2472.5_Ant1



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3.Maximum average conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
1.4MHz BW CA	2409.12	Ant1	23.82	<30	PASS
1.4MHz BW CA	2443.12	Ant1	23.75	<30	PASS
1.4MHz BW CA	2467.12	Ant1	23.84	<30	PASS
1.4MHz BW	2407.5	Ant1	23.90	<30	PASS
1.4MHz BW	2441.5	Ant1	24.06	<30	PASS
1.4MHz BW	2465.5	Ant1	23.96	<30	PASS
3MHz BW	2417.5	Ant1	23.97	<30	PASS
3MHz BW	2441.5	Ant1	23.87	<30	PASS
3MHz BW	2456.5	Ant1	23.94	<30	PASS
10MHz BW	2405.5	Ant1	1.42	<30	PASS
10MHz BW	2408.5	Ant1	4.19	<30	PASS
10MHz BW	2413.5	Ant1	7.31	<30	PASS
10MHz BW	2417.5	Ant1	9.25	<30	PASS
10MHz BW	2441.5	Ant1	9.58	<30	PASS
10MHz BW	2455.5	Ant1	9.33	<30	PASS
10MHz BW	2461.5	Ant1	6.57	<30	PASS
10MHz BW	2465.5	Ant1	4.48	<30	PASS
10MHz BW	2468.5	Ant1	2.63	<30	PASS
10MHz BW	2470.5	Ant1	0.71	<30	PASS
10MHz BW	2472.5	Ant1	-0.25	<30	PASS
10MHz BW	2476.5	Ant1	-0.7	<30	PASS
20MHz BW	2410.5	Ant1	-0.94	<30	PASS
20MHz BW	2413.5	Ant1	-0.93	<30	PASS
20MHz BW	2417.5	Ant1	0.64	<30	PASS
20MHz BW	2423.5	Ant1	3.73	<30	PASS
20MHz BW	2430.5	Ant1	7.22	<30	PASS
20MHz BW	2434.5	Ant1	9.21	<30	PASS
20MHz BW	2441.5	Ant1	9.35	<30	PASS
20MHz BW	2443.5	Ant1	8.41	<30	PASS

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20MHz BW	2449.5	Ant1	5.42	<30	PASS
20MHz BW	2456.5	Ant1	2.58	<30	PASS
20MHz BW	2462.5	Ant1	-0.43	<30	PASS
20MHz BW	2467.5	Ant1	-0.41	<30	PASS
20MHz BW	2471.5	Ant1	-0.39	<30	PASS
20MHz BW	2472.5	Ant1	-0.42	<30	PASS

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4.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
1.4MHz BW CA	2409.12	Ant1	2.75	<8.00	PASS
1.4MHz BW CA	2443.12	Ant1	3.89	<8.00	PASS
1.4MHz BW CA	2467.12	Ant1	4	<8.00	PASS
1.4MHz BW	2407.5	Ant1	3.91	<8.00	PASS
1.4MHz BW	2441.5	Ant1	4.64	<8.00	PASS
1.4MHz BW	2465.5	Ant1	4.58	<8.00	PASS
3MHz BW	2417.5	Ant1	0.74	<8.00	PASS
3MHz BW	2441.5	Ant1	1.34	<8.00	PASS
3MHz BW	2456.5	Ant1	1.43	<8.00	PASS
10MHz BW	2405.5	Ant1	-25.8	<8.00	PASS
10MHz BW	2441.5	Ant1	-17.03	<8.00	PASS
10MHz BW	2476.5	Ant1	-24	<8.00	PASS
20MHz BW	2410.5	Ant1	-25.21	<8.00	PASS
20MHz BW	2441.5	Ant1	-18.8	<8.00	PASS
20MHz BW	2472.5	Ant1	-27.99	<8.00	PASS

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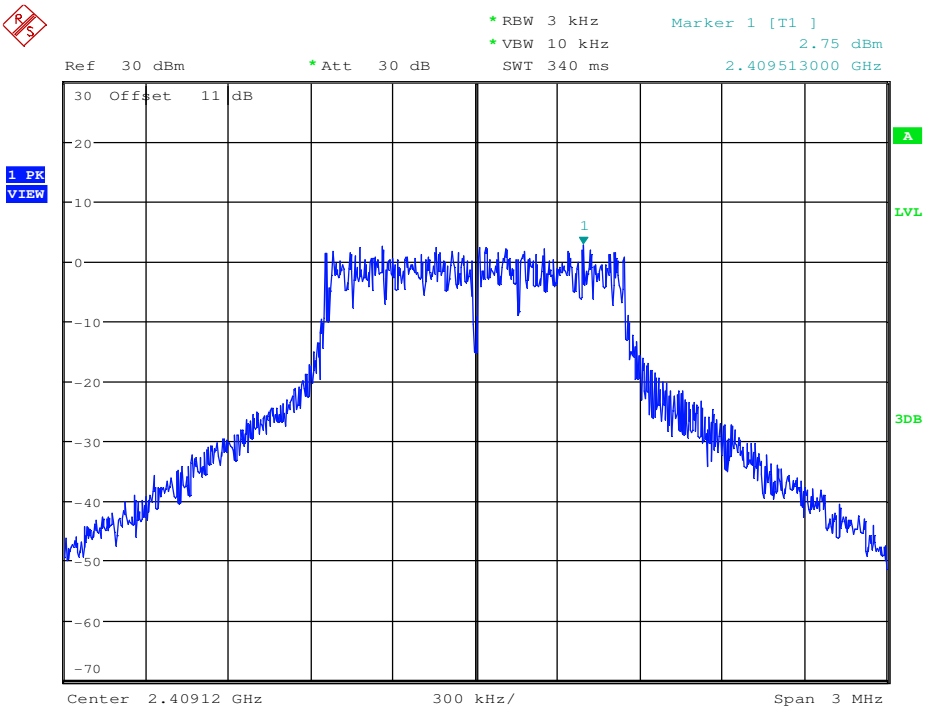
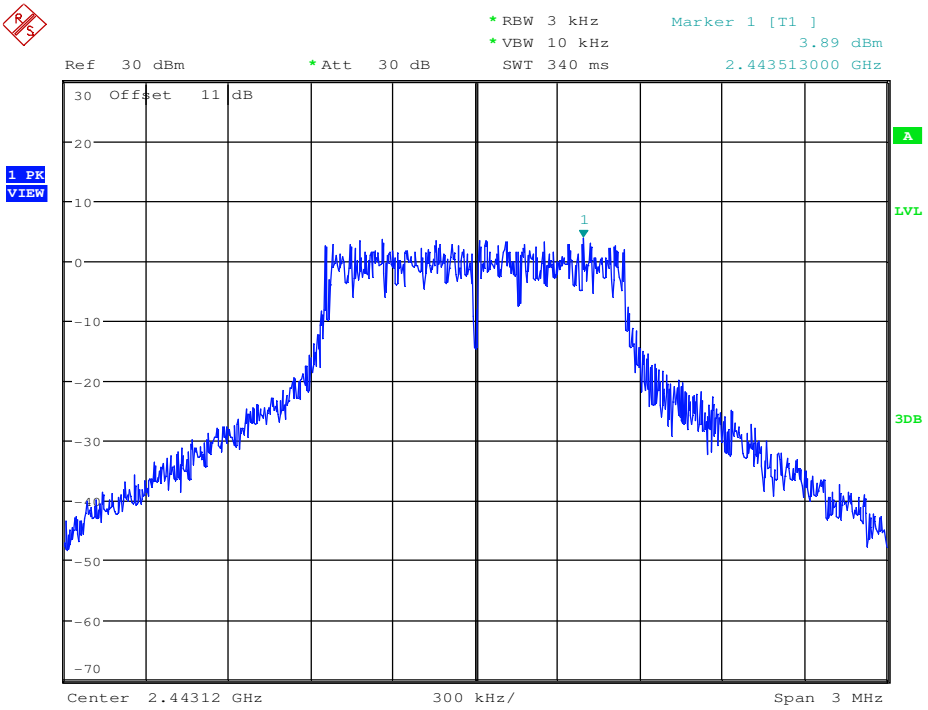
Maximum Peak power spectral density_1.4MHz BW CA_2409.12_Ant1



Maximum Peak power spectral density_1.4MHz BW CA_2443.12_Ant1



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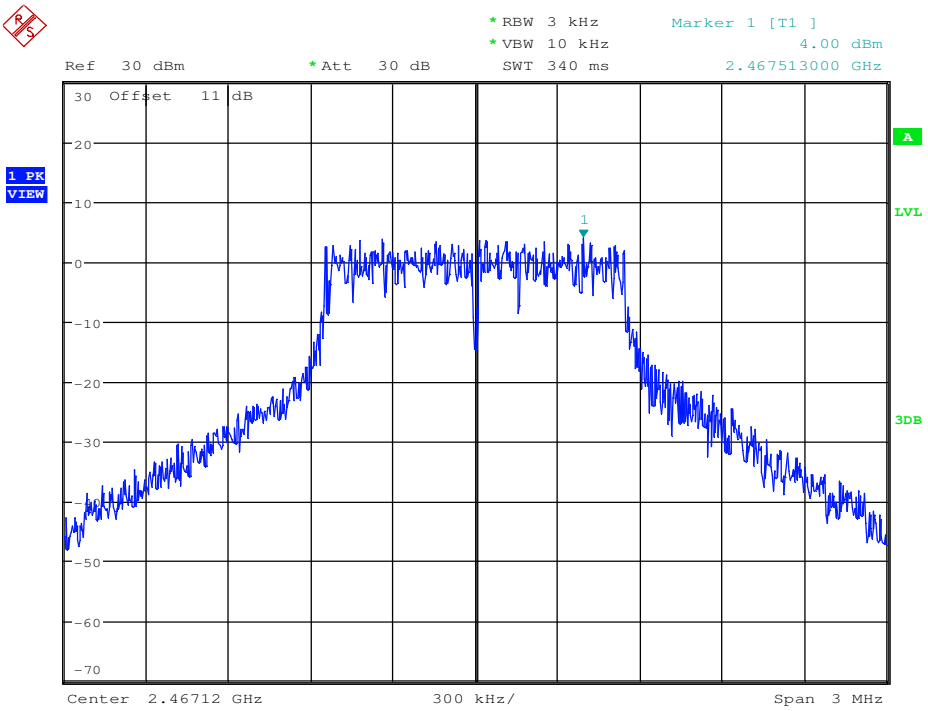
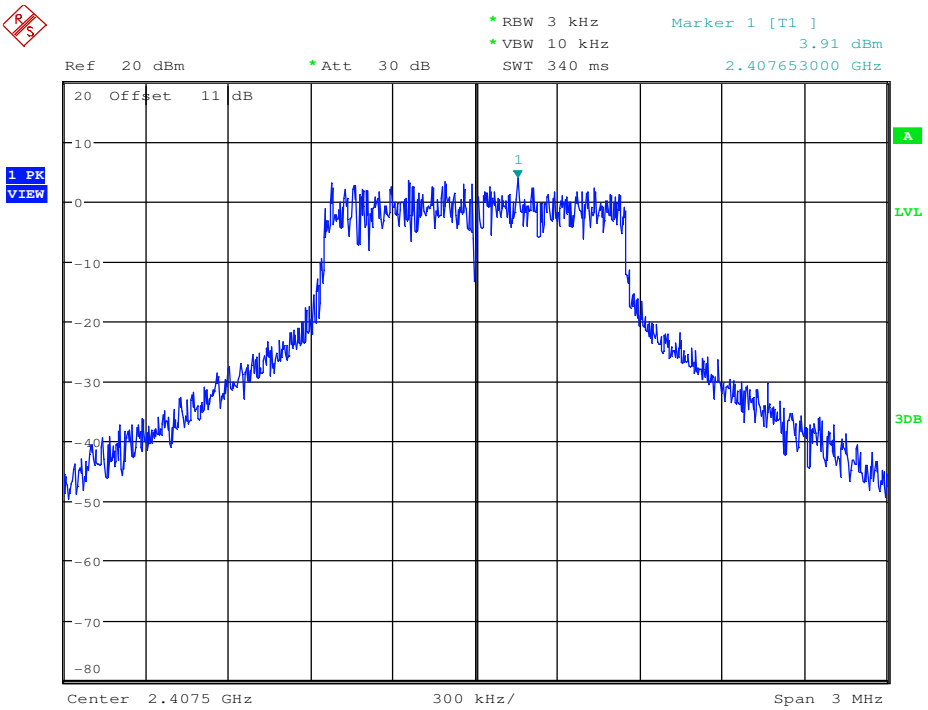
Maximum Peak power spectral density_1.4MHz BW CA_2467.12_Ant1



Maximum Peak power spectral density_1.4MHz BW_2407.5_Ant1



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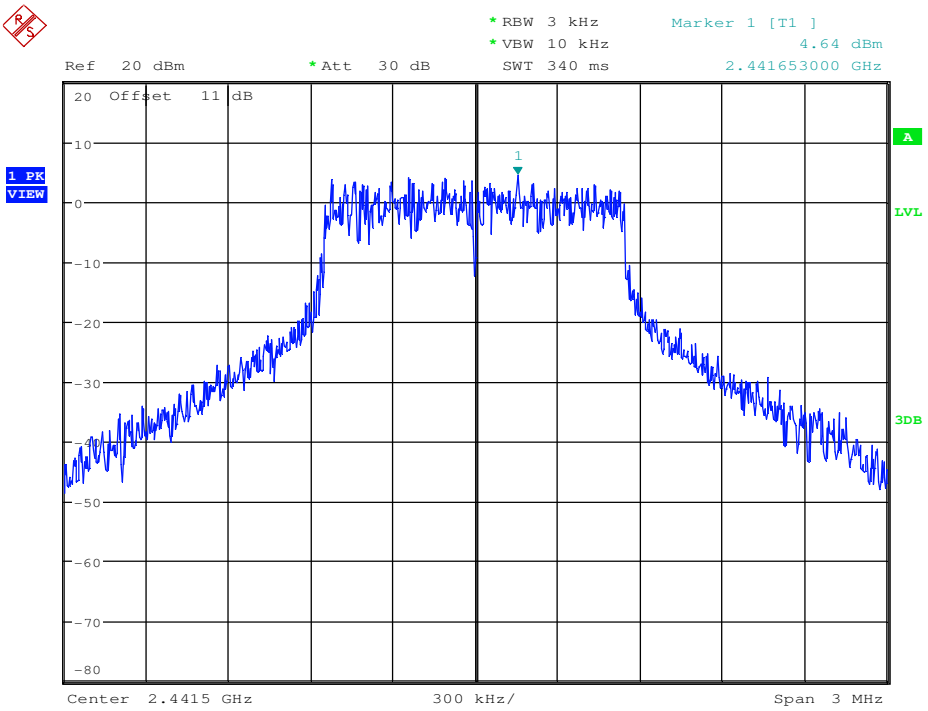
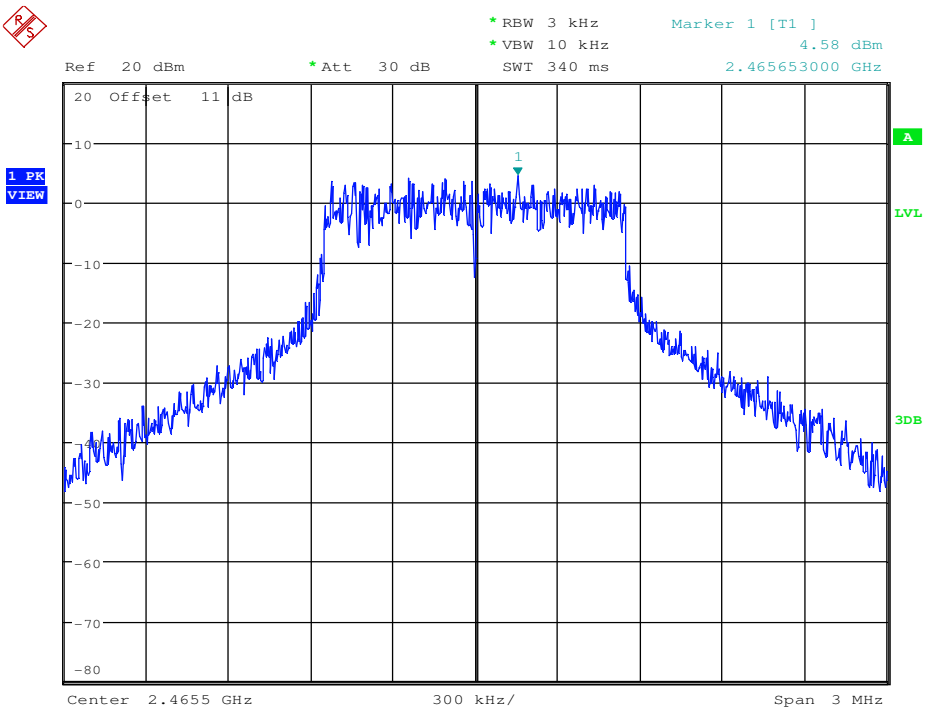
Maximum Peak power spectral density_1.4MHz BW_2441.5_Ant1



Maximum Peak power spectral density_1.4MHz BW_2465.5_Ant1



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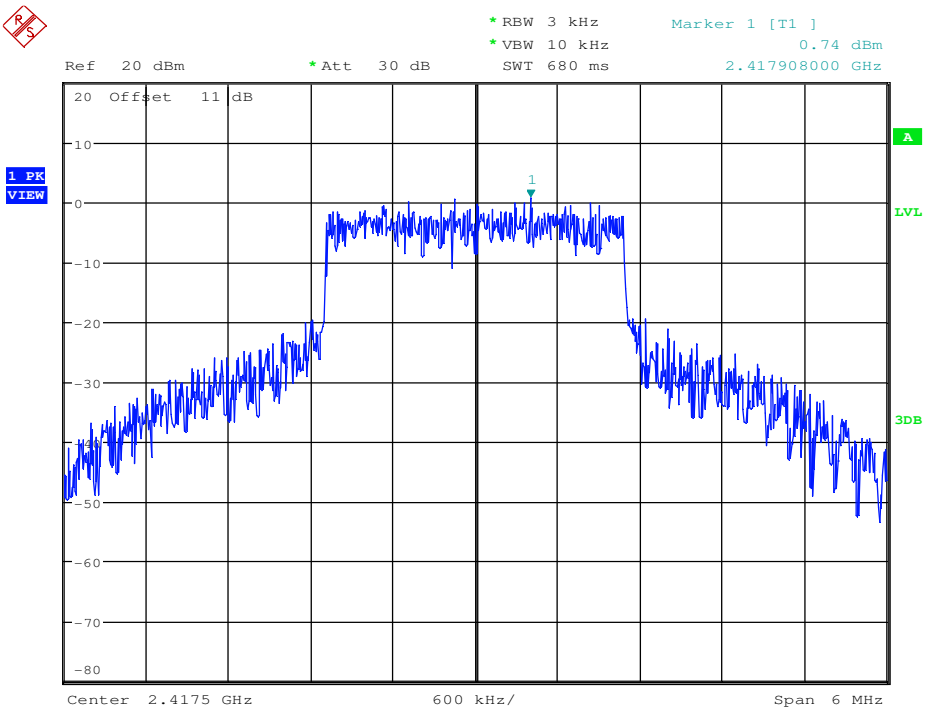
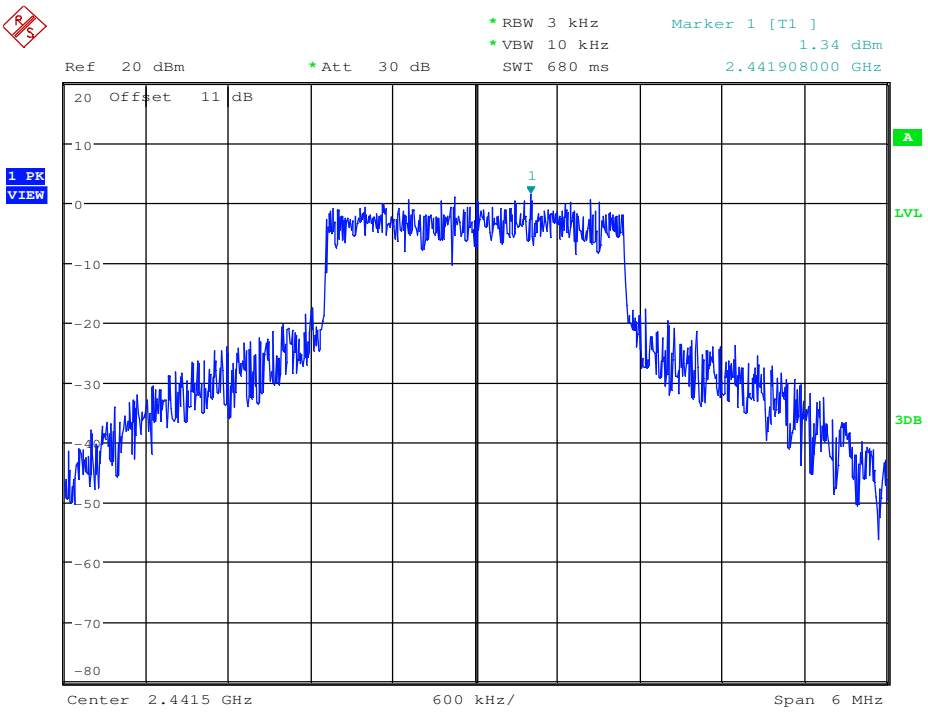
Maximum Peak power spectral density_3MHz BW_2417.5_Ant1



Maximum Peak power spectral density_3MHz BW_2441.5_Ant1



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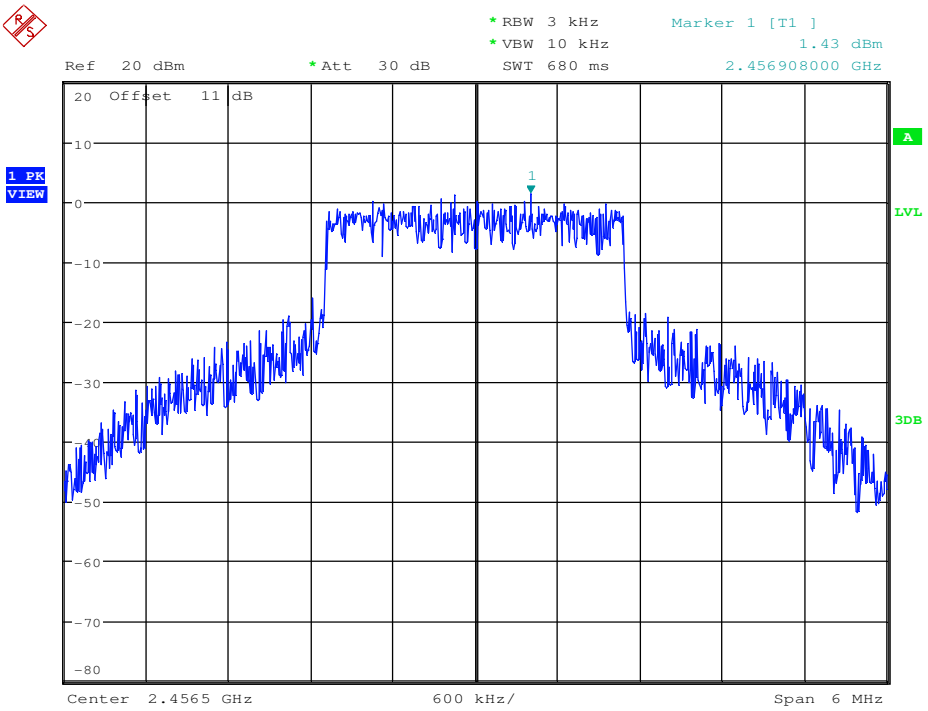
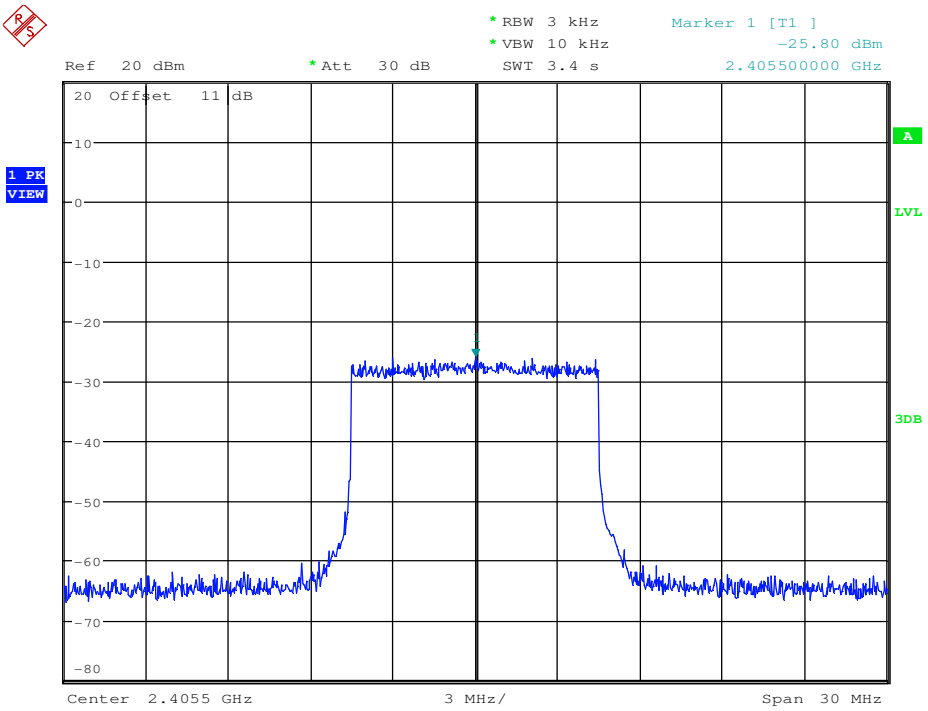
Maximum Peak power spectral density_3MHz BW_2456.5_Ant1



Maximum Peak power spectral density_10MHz BW_2405.5_Ant1



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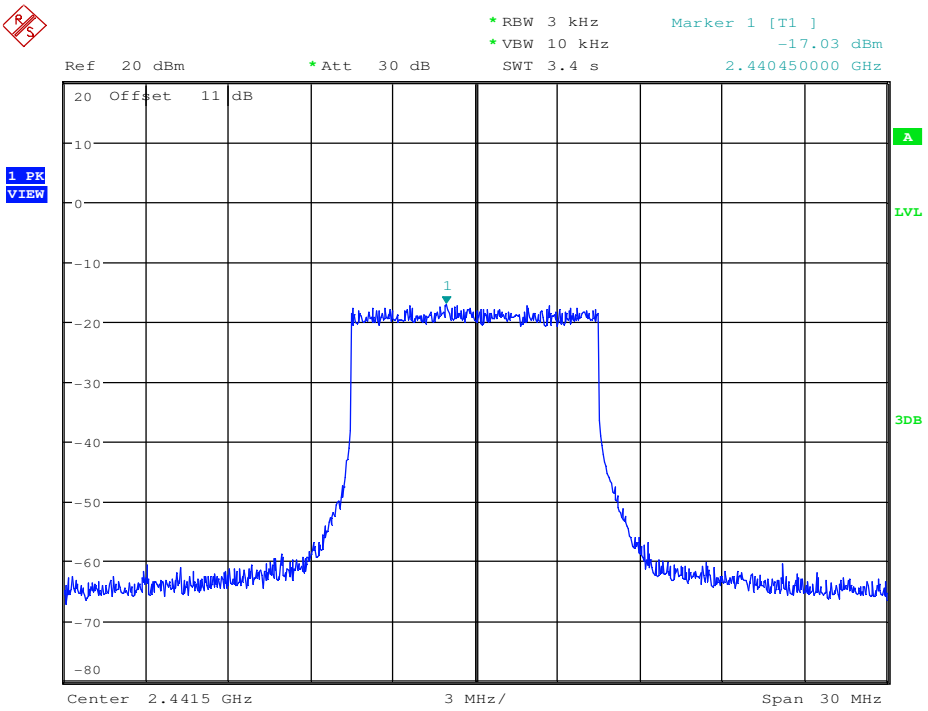
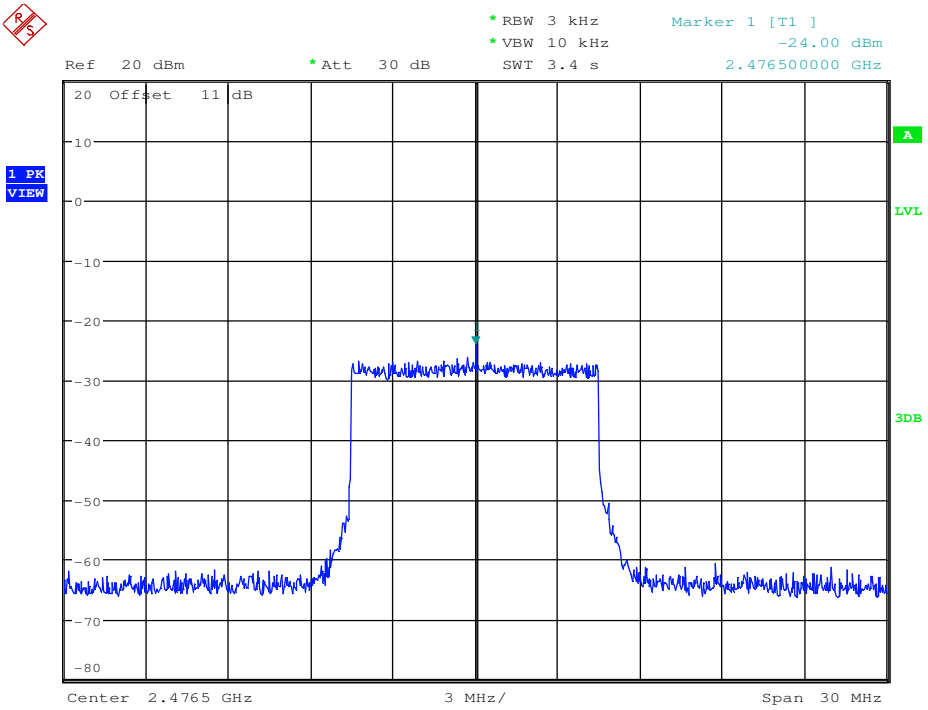
Maximum Peak power spectral density_10MHz BW_2441.5_Ant1



Maximum Peak power spectral density_10MHz BW_2476.5_Ant1



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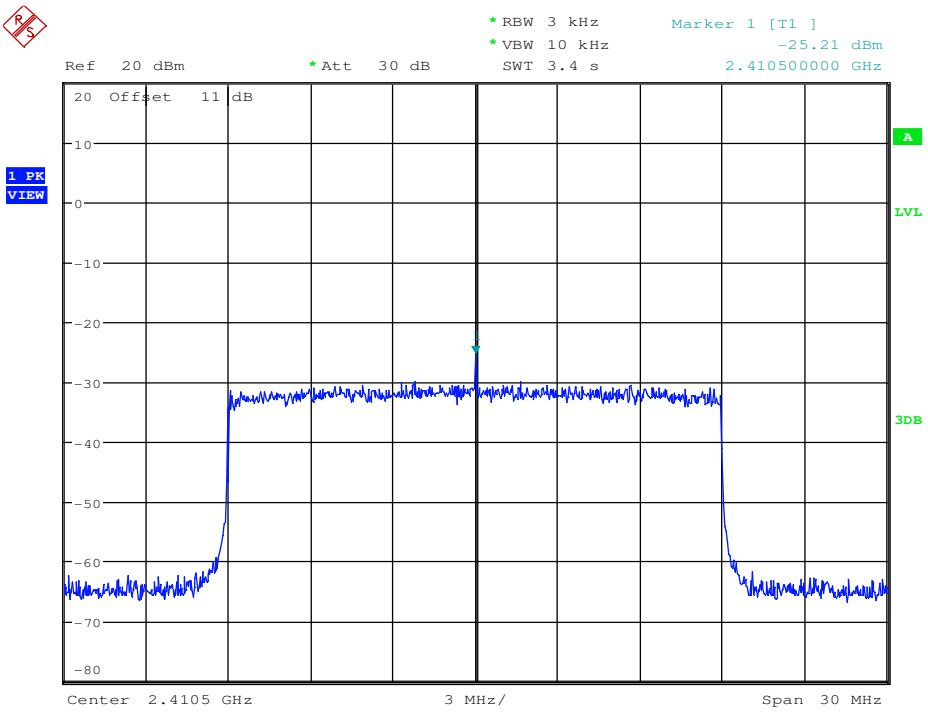
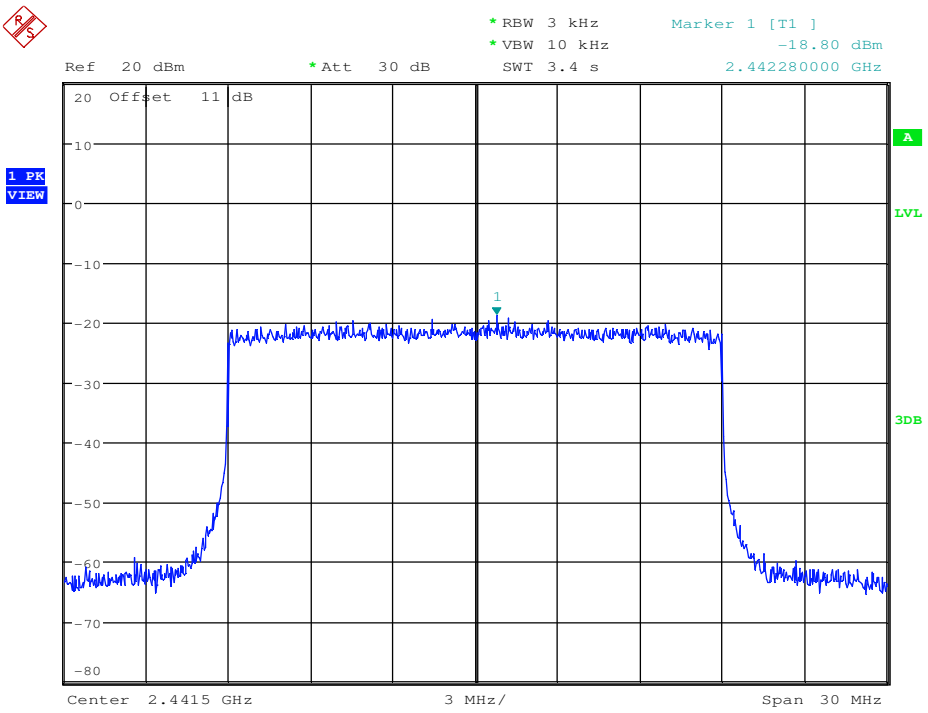
Maximum Peak power spectral density_20MHz BW_2410.5_Ant1



Maximum Peak power spectral density_20MHz BW_2441.5_Ant1



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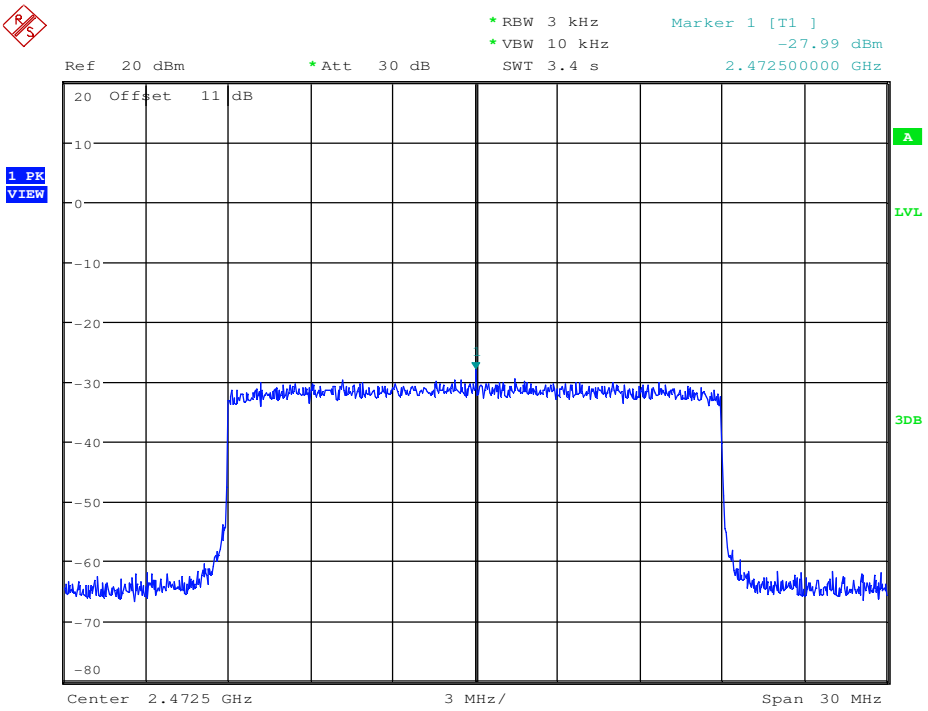
Maximum Peak power spectral density_20MHz BW_2472.5_Ant1



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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 CA	2409.12	Ant1	18.390	-43.230	<-11.61	PASS
1.4MHz BW CA	2467.12	Ant1	19.510	-42.375	<-10.49	PASS
1.4MHz BW	2407.5	Ant1	19.000	-43.120	<-11	PASS
1.4MHz BW	2465.5	Ant1	19.450	-42.352	<-10.55	PASS
3MHz BW	2417.5	Ant1	16.200	-42.268	<-13.8	PASS
3MHz BW	2456.5	Ant1	16.690	-42.223	<-13.31	PASS
10MHz BW	2405.5	Ant1	-10.460	-45.156	<-40.46	PASS
10MHz BW	2476.5	Ant1	-7.670	-44.632	<-37.67	PASS
20MHz BW	2410.5	Ant1	-12.210	-45.821	<-42.21	PASS
20MHz BW	2472.5	Ant1	-11.170	-44.851	<-41.17	PASS

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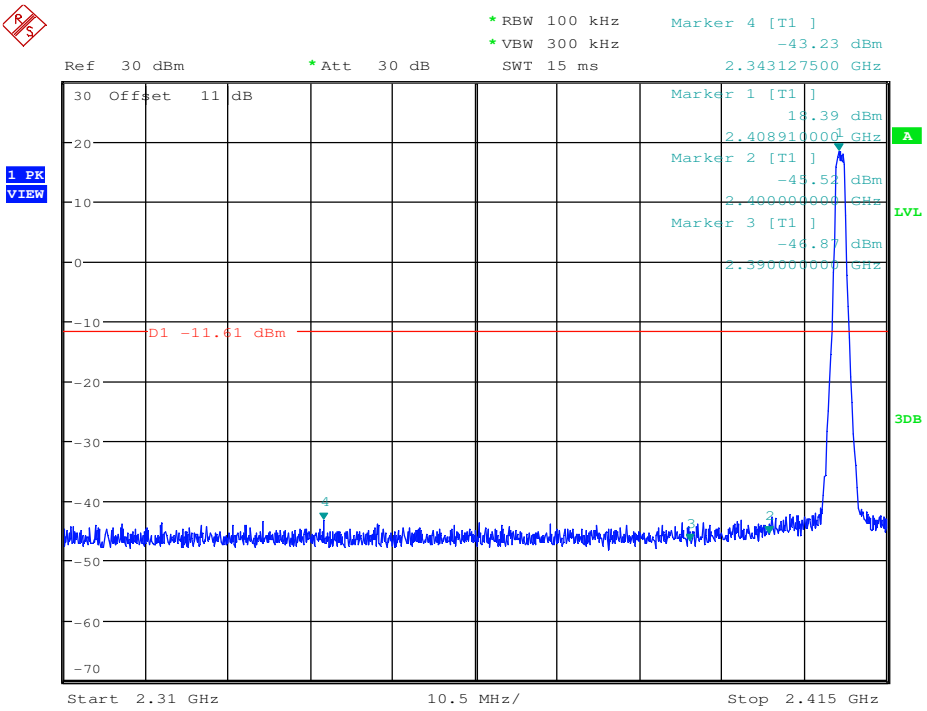
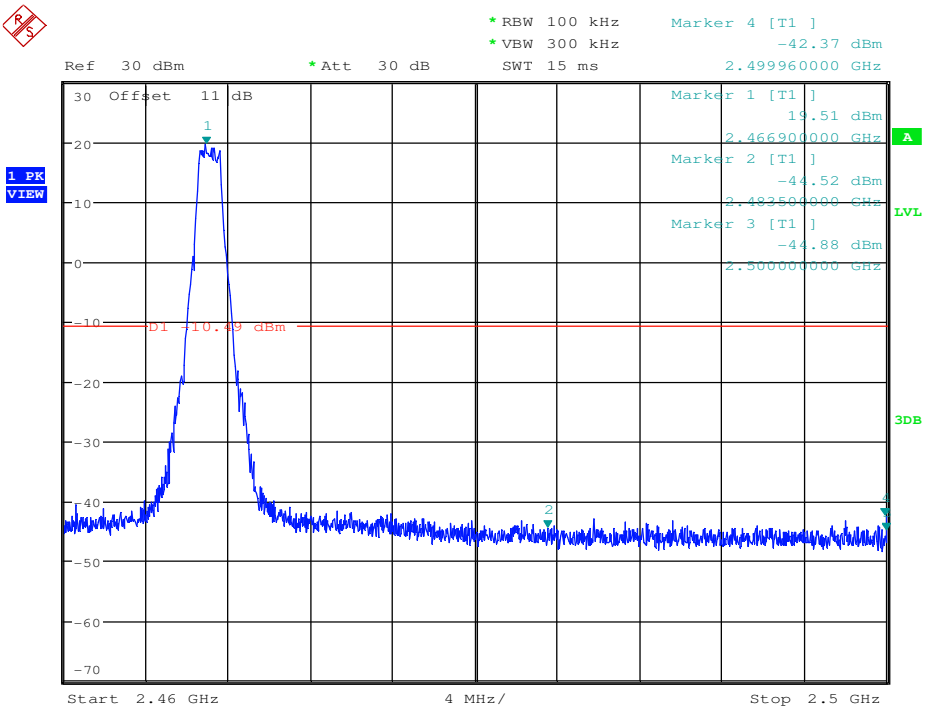
Band-edge for RF Conducted Emissions_1.4MHz BW CA_2409.12_Ant1



Band-edge for RF Conducted Emissions_1.4MHz BW CA_2467.12_Ant1



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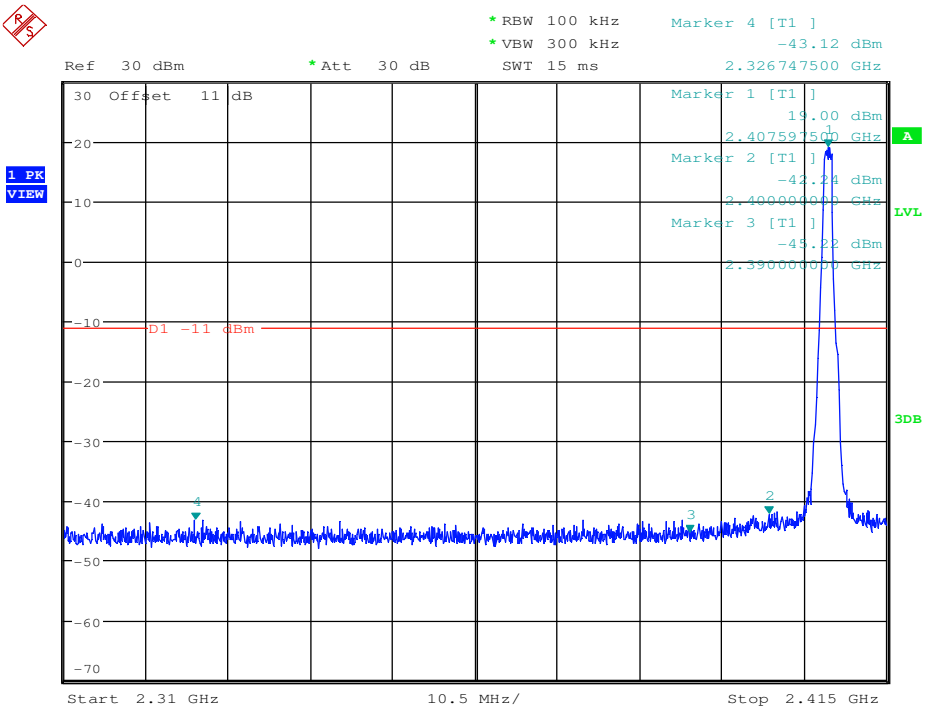
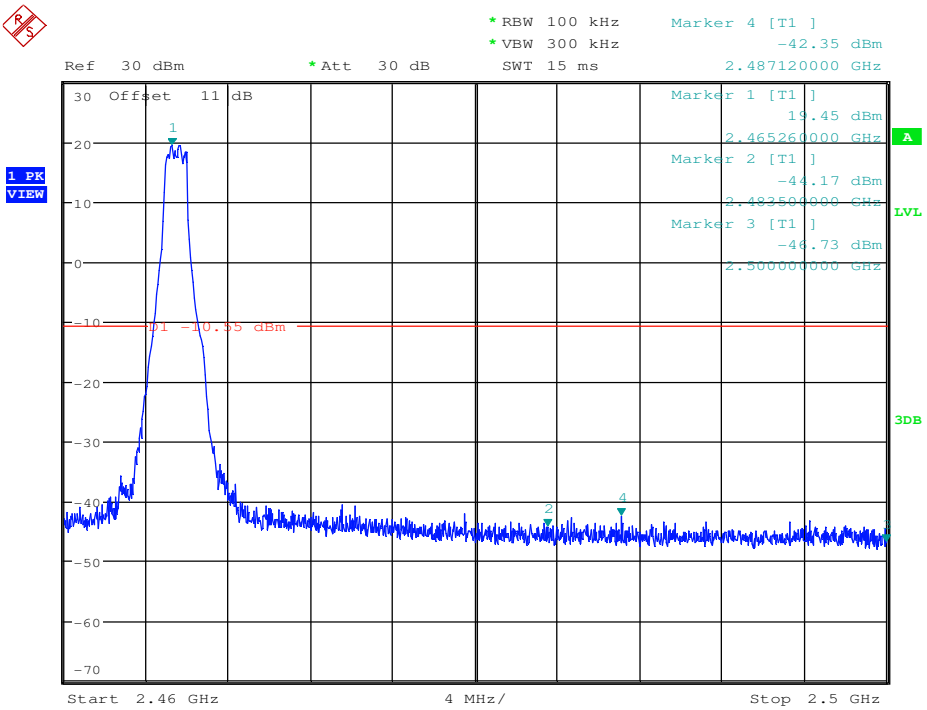
Band-edge for RF Conducted Emissions_1.4MHz BW_2407.5_Ant1



Band-edge for RF Conducted Emissions_1.4MHz BW_2465.5_Ant1



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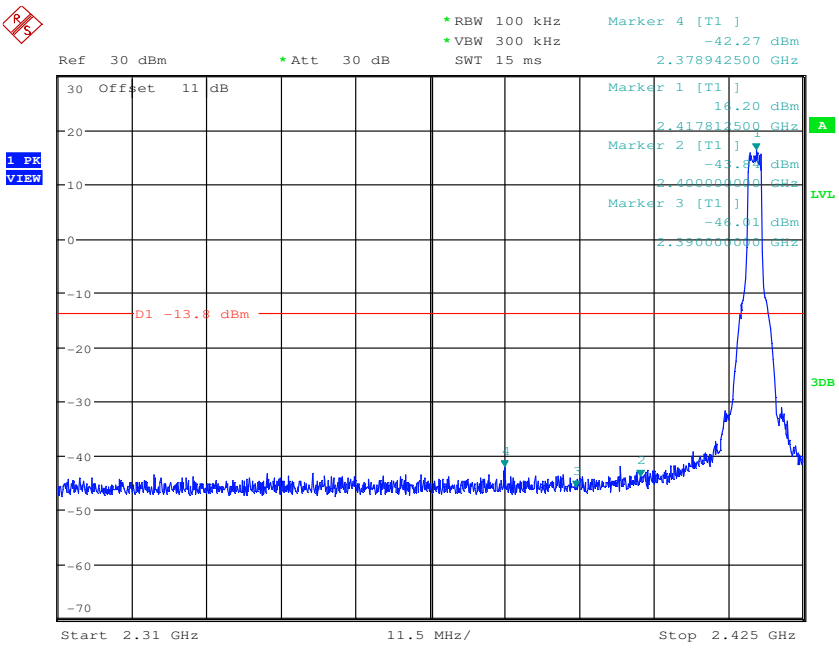
Band-edge for RF Conducted Emissions_3MHz BW_2417.5_Ant1



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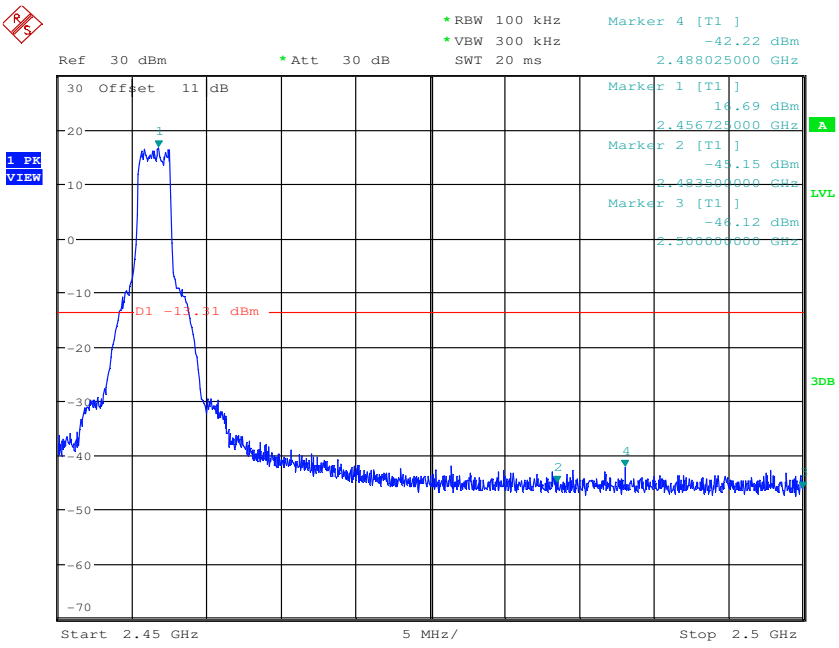

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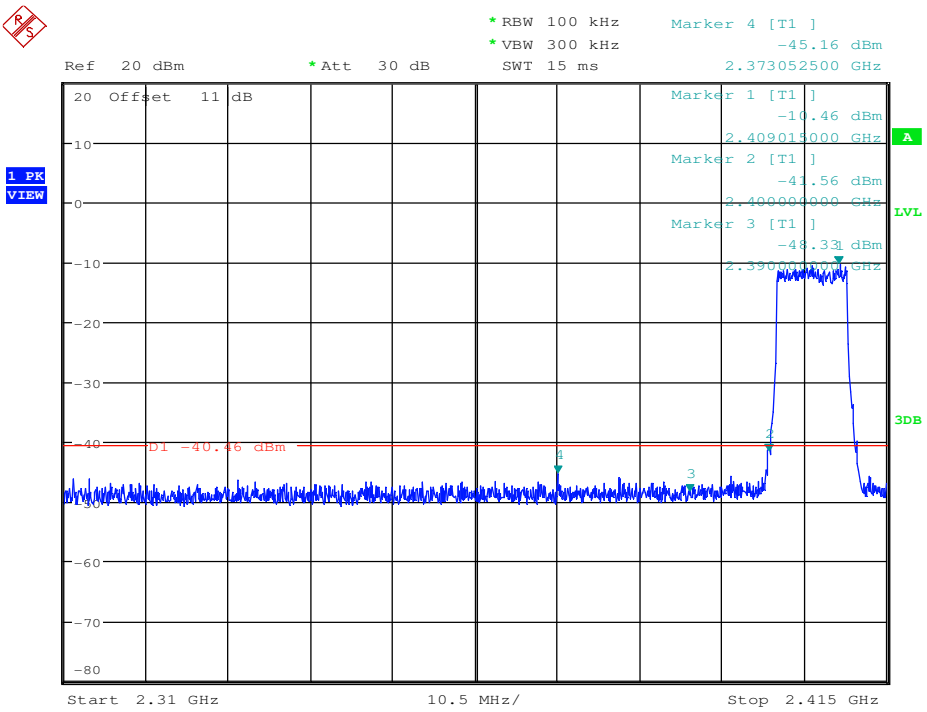
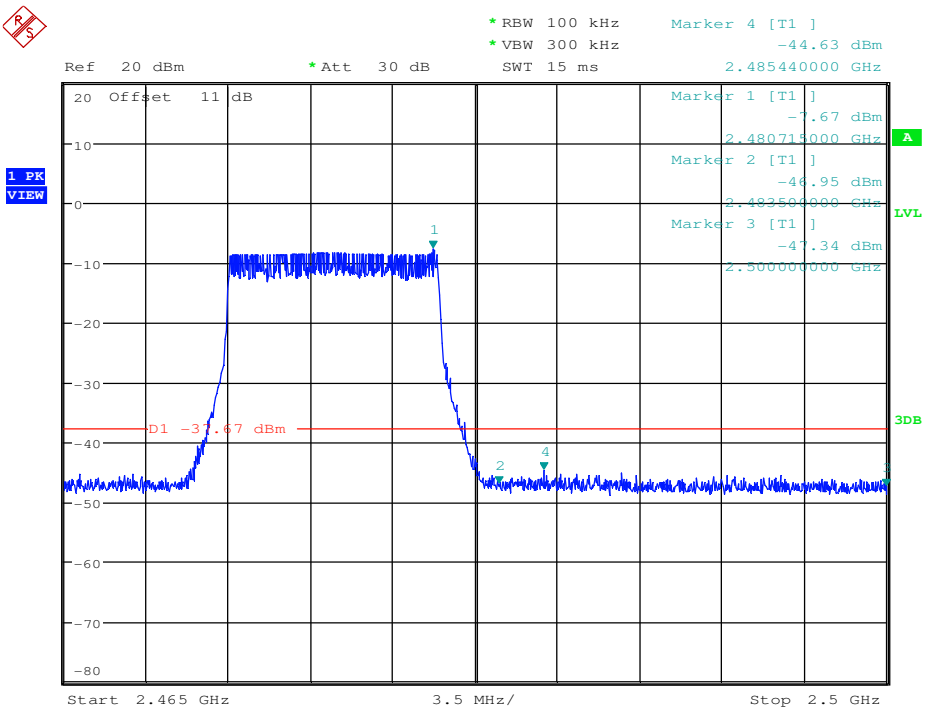
Band-edge for RF Conducted Emissions_10MHz BW_2405.5_Ant1



Band-edge for RF Conducted Emissions_10MHz BW_2476.5_Ant1



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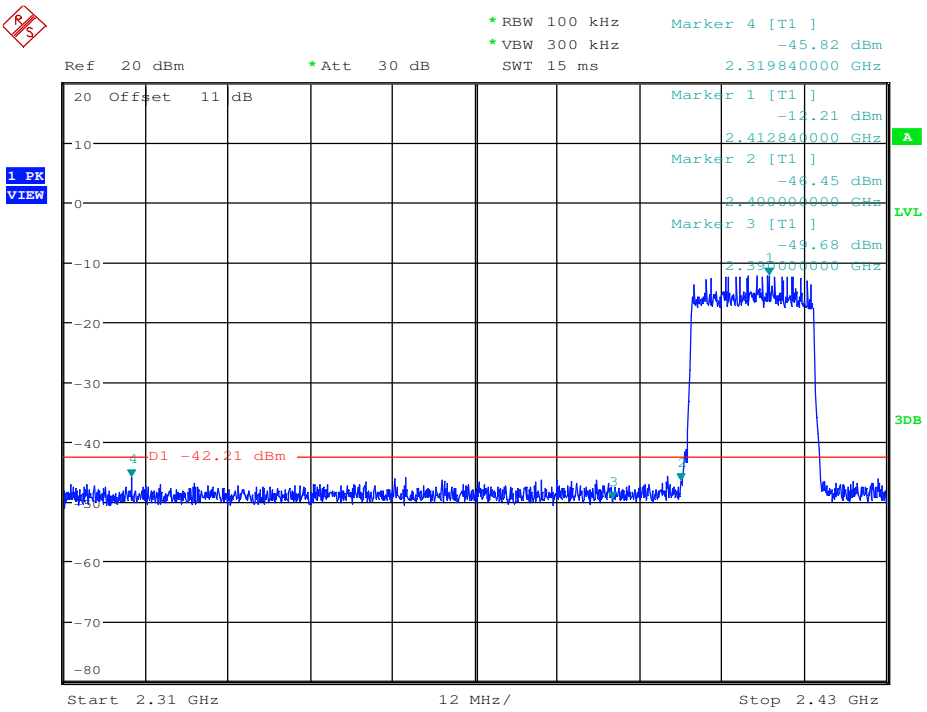
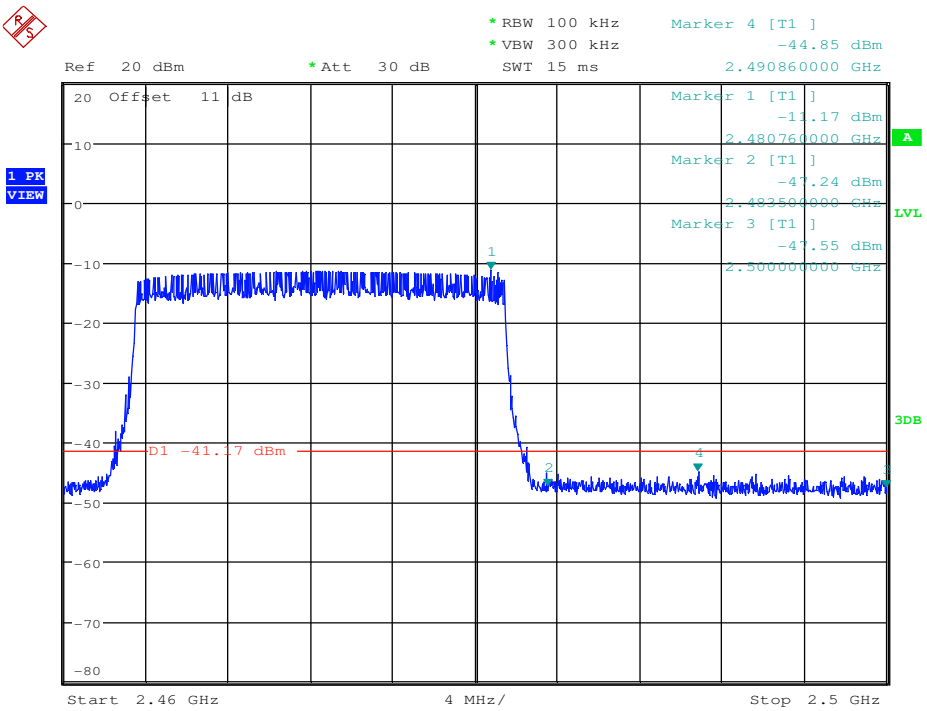
Band-edge for RF Conducted Emissions_20MHz BW_2410.5_Ant1



Band-edge for RF Conducted Emissions_20MHz BW_2472.5_Ant1



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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 CA	2409.12	30	10000	100	300	18.44	-43.570	<-11.56	PASS
1.4MHz BW CA	2409.12	10000	25000	100	300	18.44	-43.000	<-11.56	PASS
1.4MHz BW CA	2443.12	30	10000	100	300	19.47	-43.070	<-10.53	PASS
1.4MHz BW CA	2443.12	10000	25000	100	300	19.47	-43.660	<-10.53	PASS
1.4MHz BW CA	2467.12	30	10000	100	300	19.4	-42.380	<-10.6	PASS
1.4MHz BW CA	2467.12	10000	25000	100	300	19.4	-43.310	<-10.6	PASS
1.4MHz BW	2407.5	30	10000	1000	3000	18.96	-30.740	<-11.04	PASS
1.4MHz BW	2407.5	10000	25000	1000	3000	18.96	-36.750	<-11.04	PASS
1.4MHz BW	2441.5	30	10000	1000	3000	19.6	-29.120	<-10.4	PASS
1.4MHz BW	2441.5	10000	25000	1000	3000	19.6	-36.700	<-10.4	PASS
1.4MHz BW	2465.5	30	10000	1000	3000	19.66	-28.120	<-10.34	PASS
1.4MHz BW	2465.5	10000	25000	1000	3000	19.66	-36.210	<-10.34	PASS
3MHz BW	2417.5	30	10000	1000	3000	16.29	-27.100	<-13.71	PASS
3MHz BW	2417.5	10000	25000	1000	3000	16.29	-35.810	<-13.71	PASS
3MHz BW	2441.5	30	10000	1000	3000	16.89	-27.140	<-13.11	PASS
3MHz BW	2441.5	10000	25000	1000	3000	16.89	-36.800	<-13.11	PASS
3MHz BW	2456.5	30	10000	1000	3000	16.89	-27.280	<-13.11	PASS
3MHz BW	2456.5	10000	25000	1000	3000	16.89	-36.810	<-13.11	PASS
10MHz BW	2405.5	30	10000	100	300	-8.39	-53.460	<-38.39	PASS
10MHz BW	2405.5	10000	25000	100	300	-8.39	-53.580	<-38.39	PASS
10MHz BW	2441.5	30	10000	100	300	0.84	-54.190	<-29.16	PASS
10MHz BW	2441.5	10000	25000	100	300	0.84	-53.180	<-29.16	PASS
10MHz BW	2476.5	30	10000	100	300	-5.26	-53.570	<-35.26	PASS
10MHz BW	2476.5	10000	25000	100	300	-5.26	-52.910	<-35.26	PASS
20MHz BW	2410.5	30	10000	100	300	-12.07	-53.260	<-42.07	PASS
20MHz BW	2410.5	10000	25000	100	300	-12.07	-53.440	<-42.07	PASS
20MHz BW	2441.5	30	10000	100	300	-2.13	-51.780	<-32.13	PASS
20MHz BW	2441.5	10000	25000	100	300	-2.13	-52.900	<-32.13	PASS

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SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch China Testing EMC Laboratory

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20MHz BW	2472.5	30	10000	100	300	-11.88	-53.670	<-41.88	PASS
20MHz BW	2472.5	10000	25000	100	300	-11.88	-52.980	<-41.88	PASS

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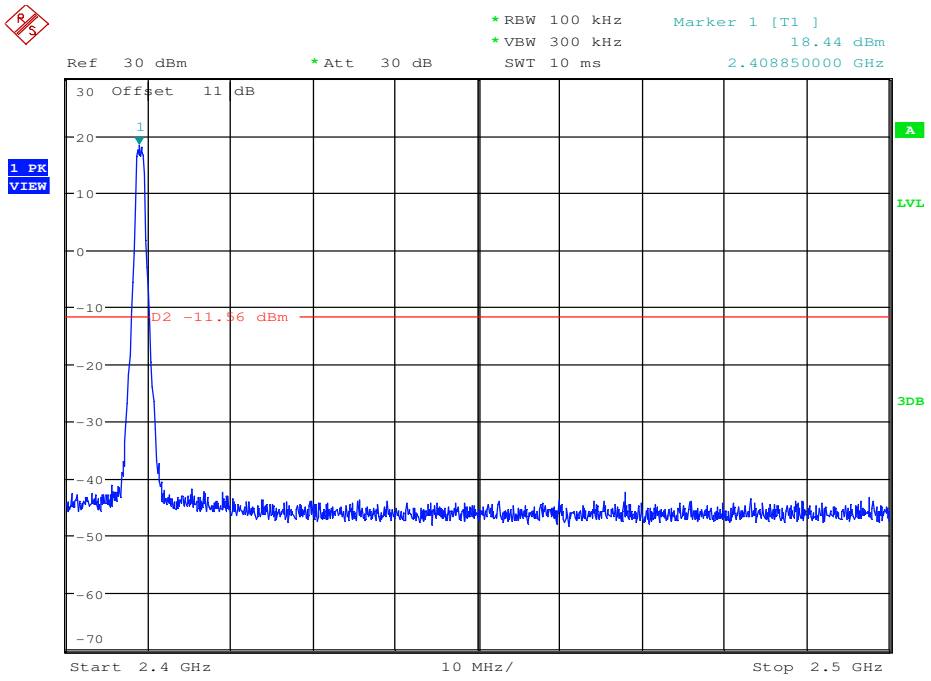
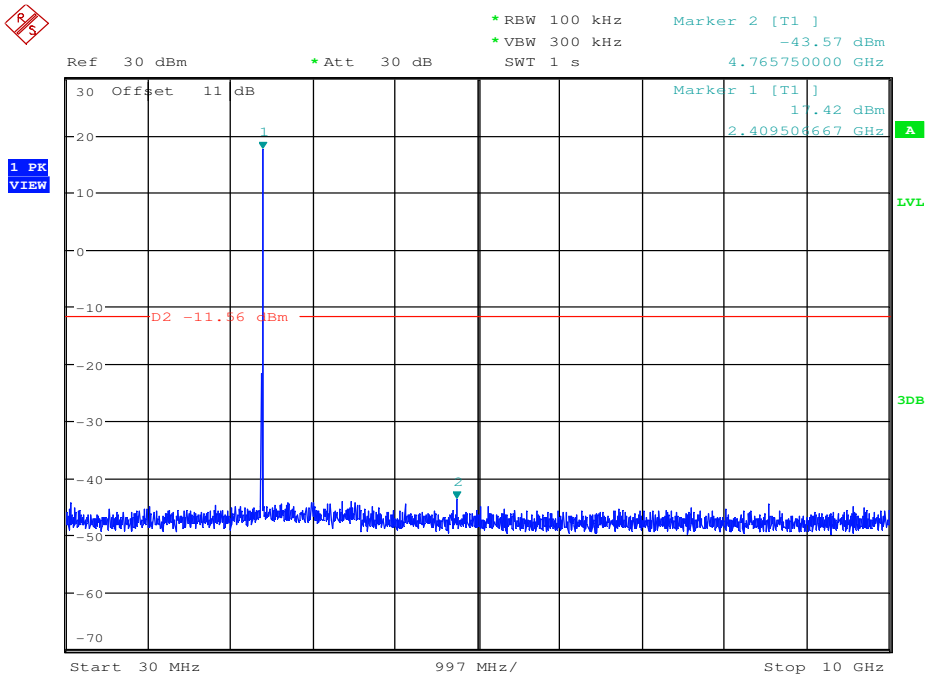
RF Conducted Spurious Emissions_1.4MHz BW_2409.12_Ant1	
Pref	
CSE_1	

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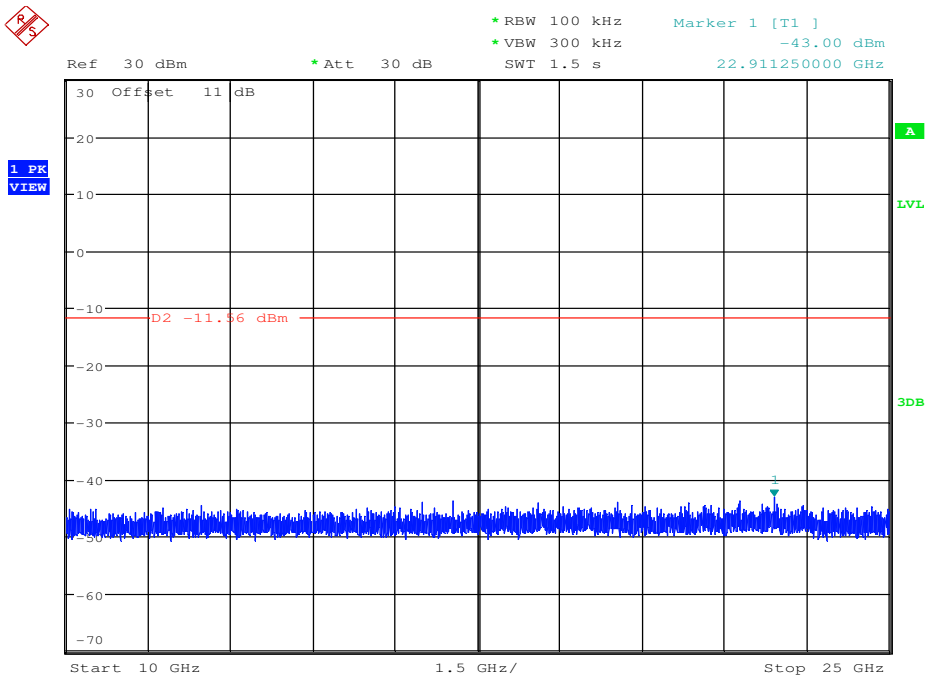
CSE_2	
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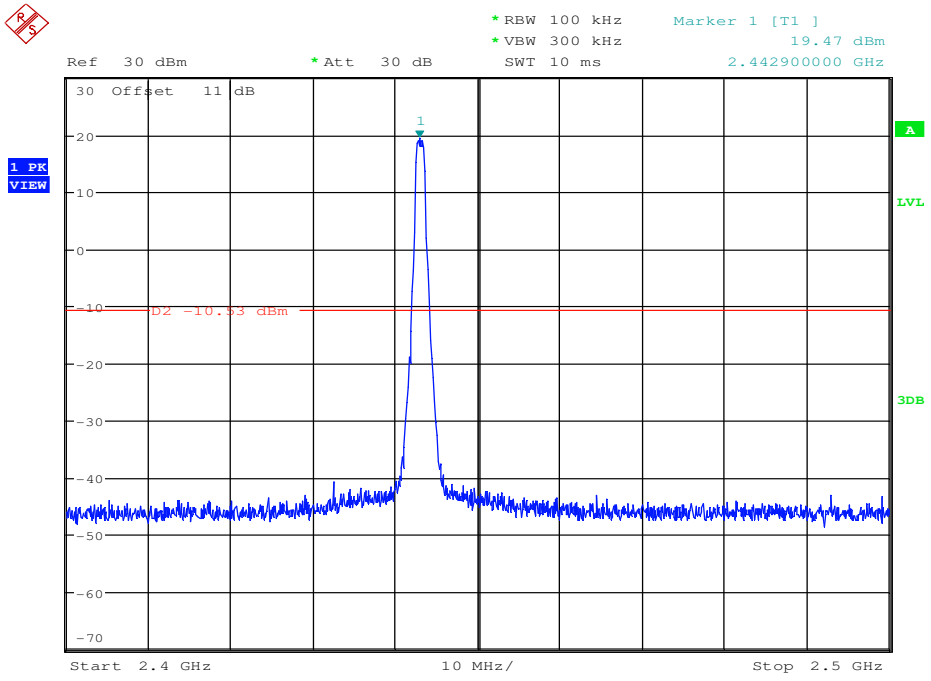
Pref	

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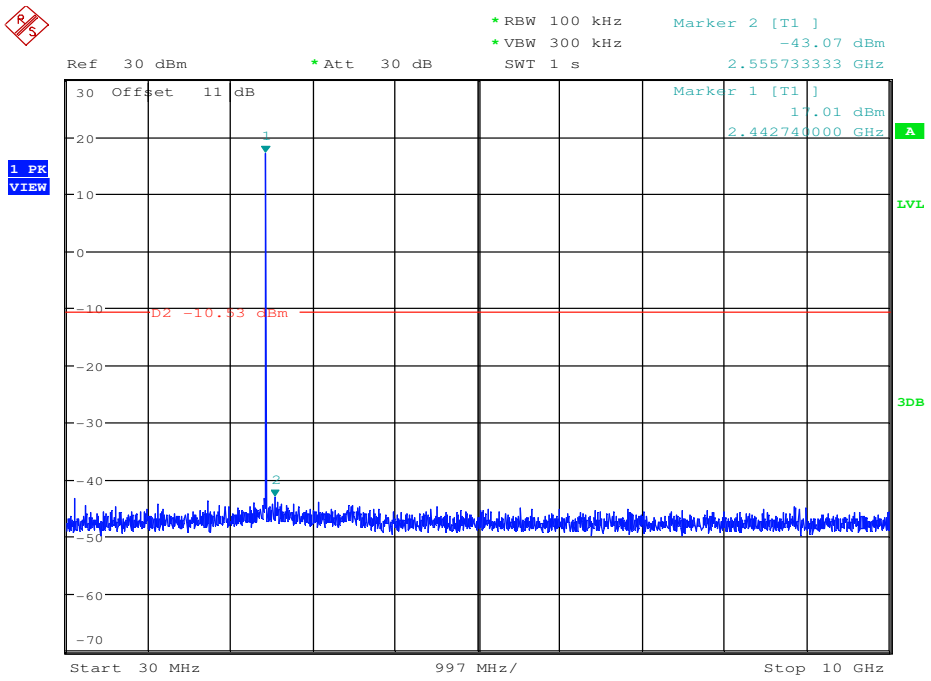
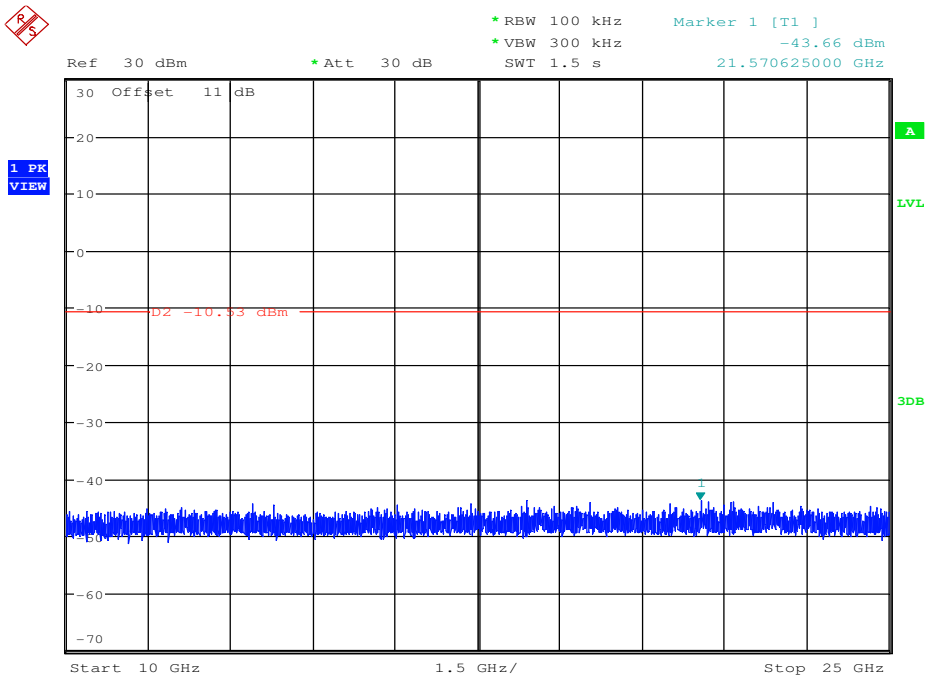
CSE_1	
CSE_2	

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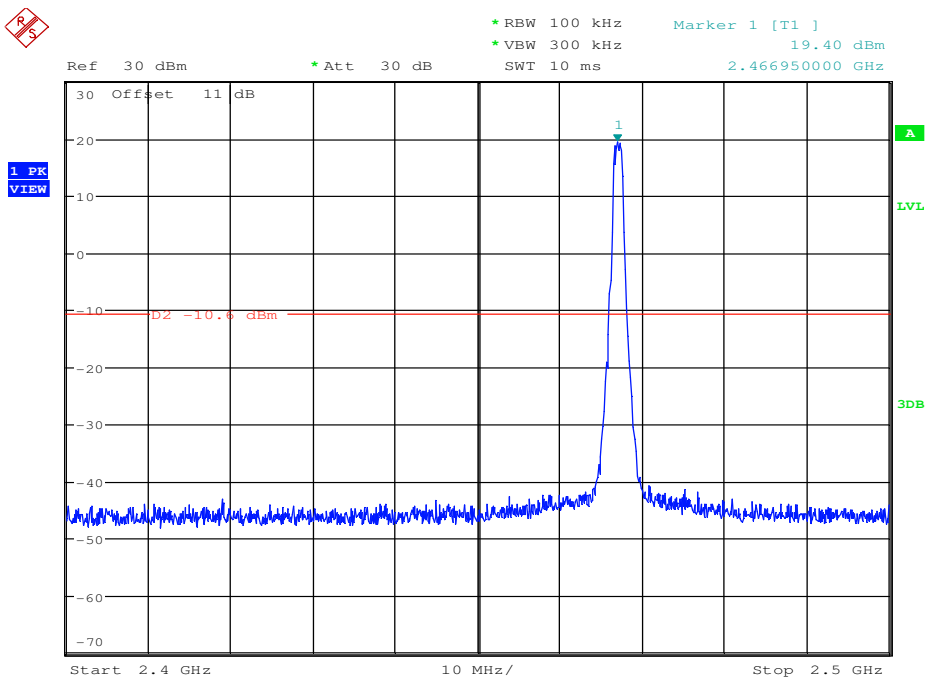
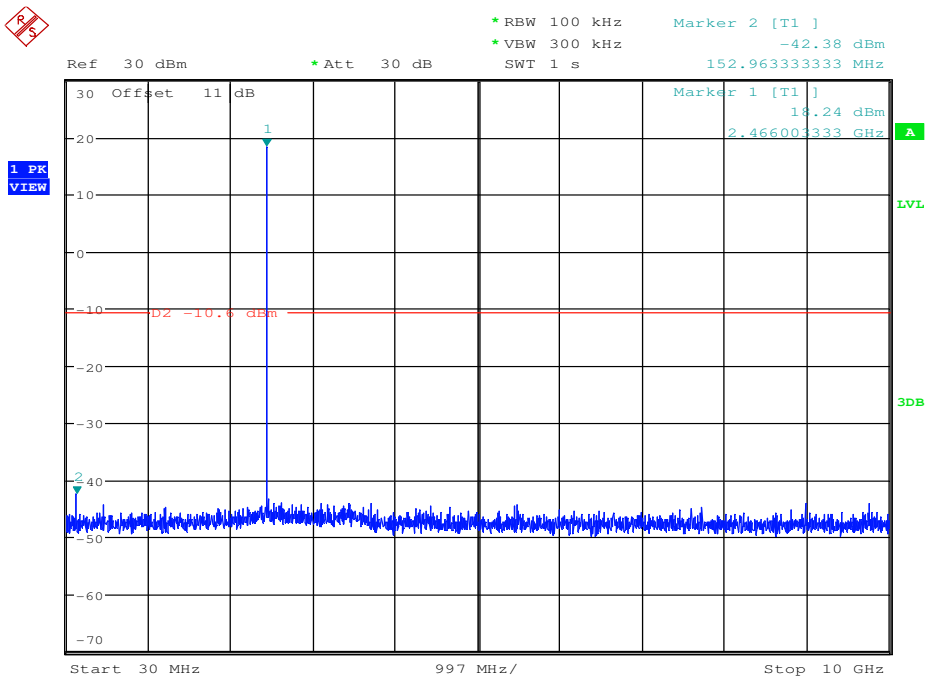
RF Conducted Spurious Emissions_1.4MHz BW_2467.12_Ant1	
Pref	
CSE_1	

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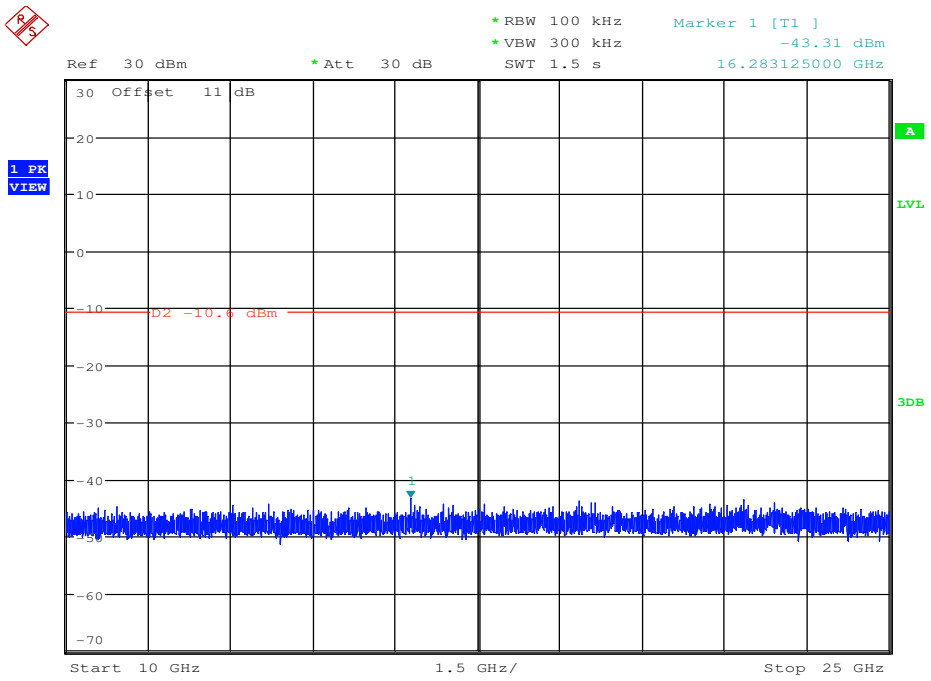
CSE_2	

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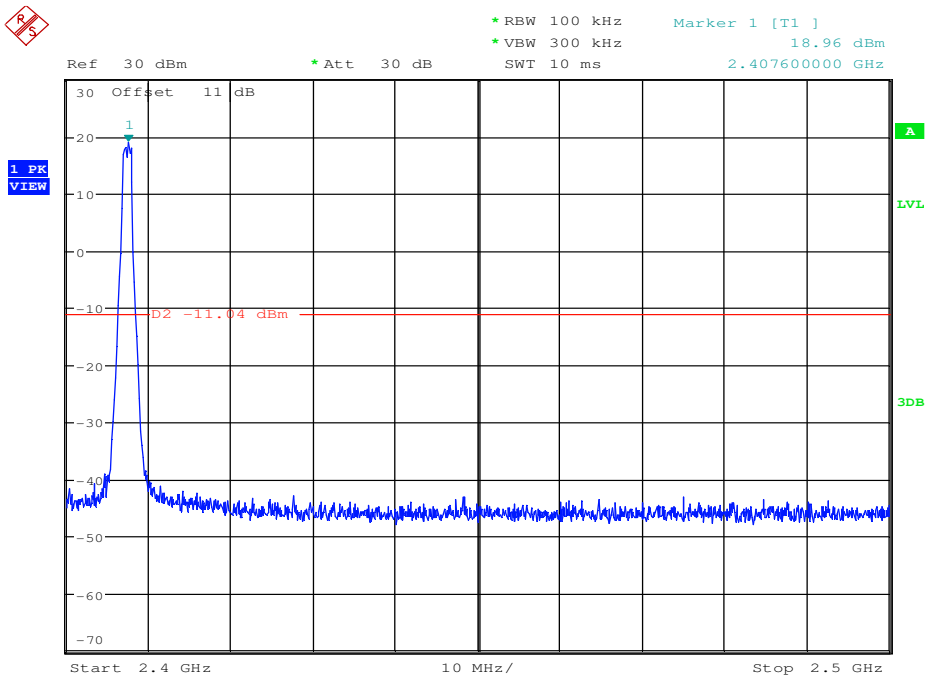
Pref	

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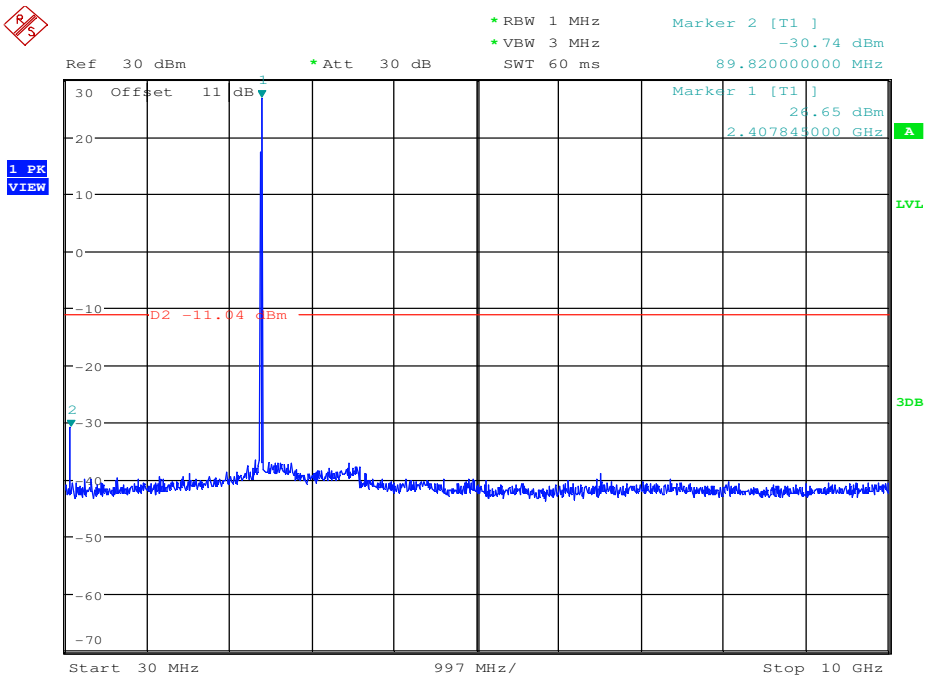
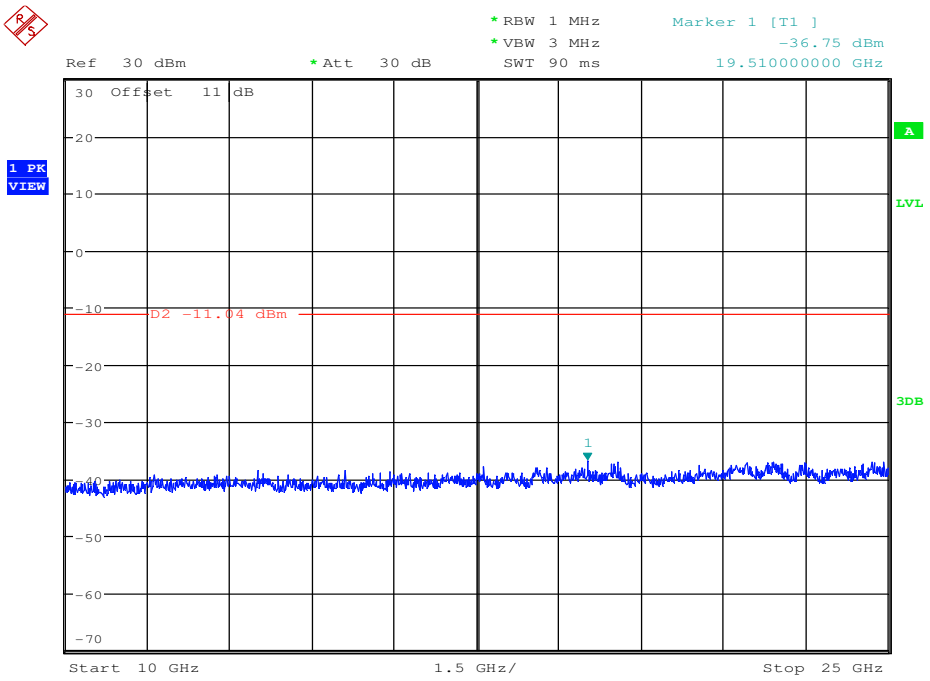
CSE_1	
CSE_2	

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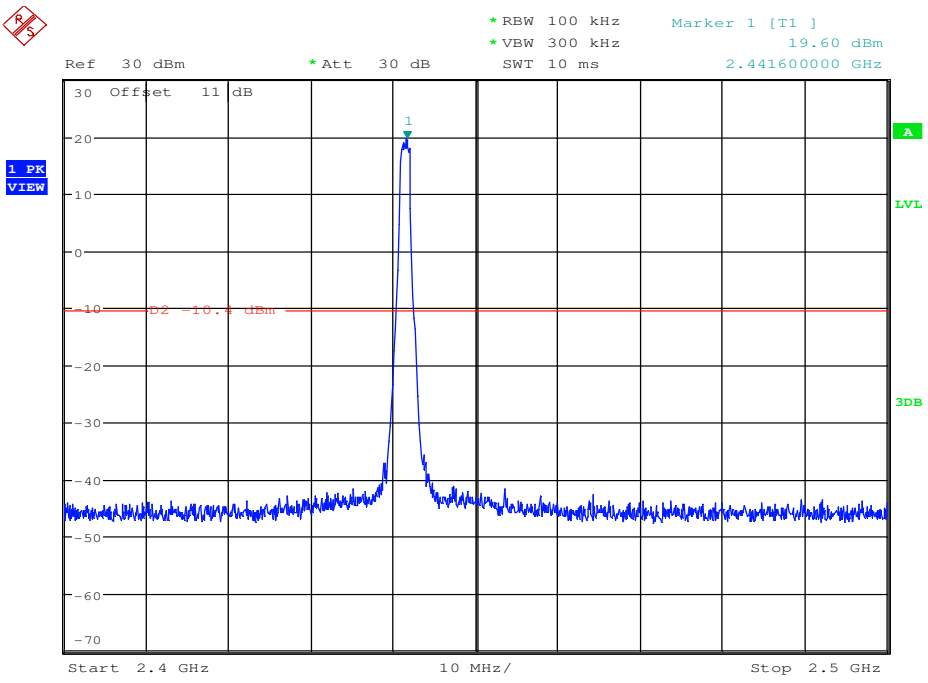
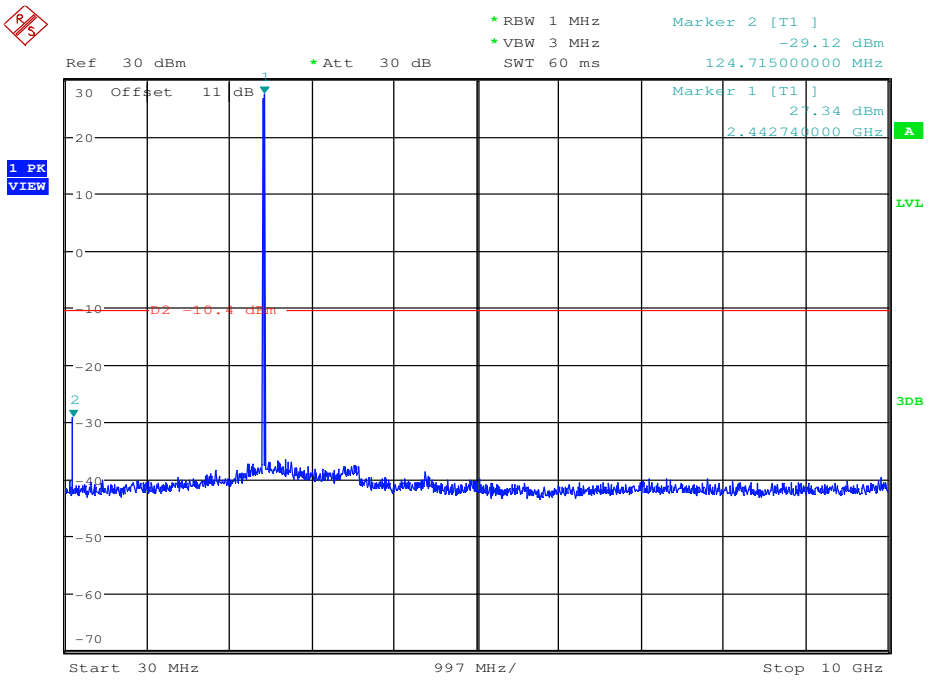
Pref	
CSE_1	

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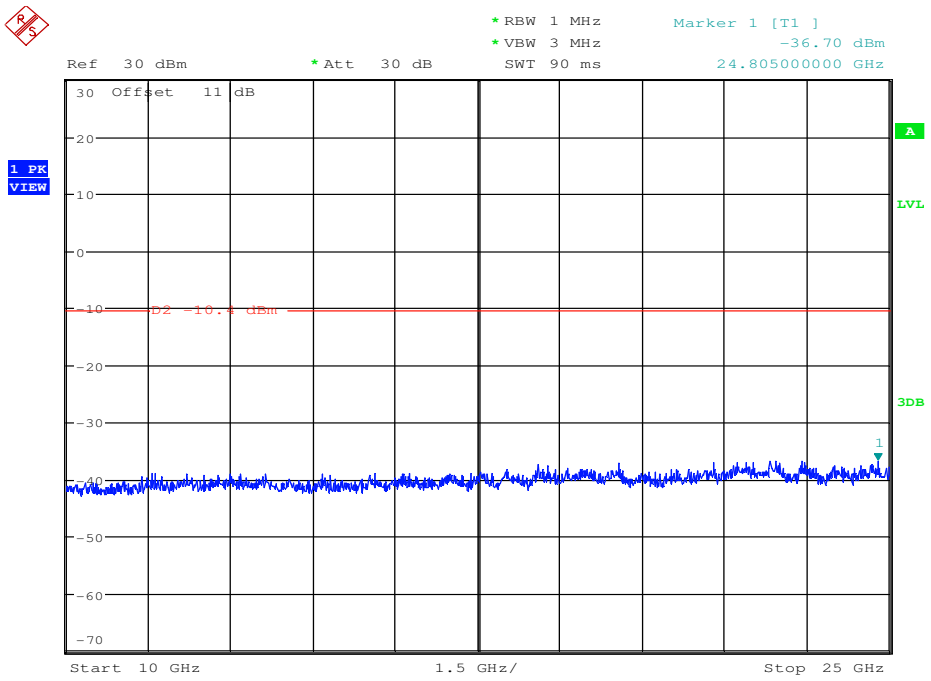
CSE_2	

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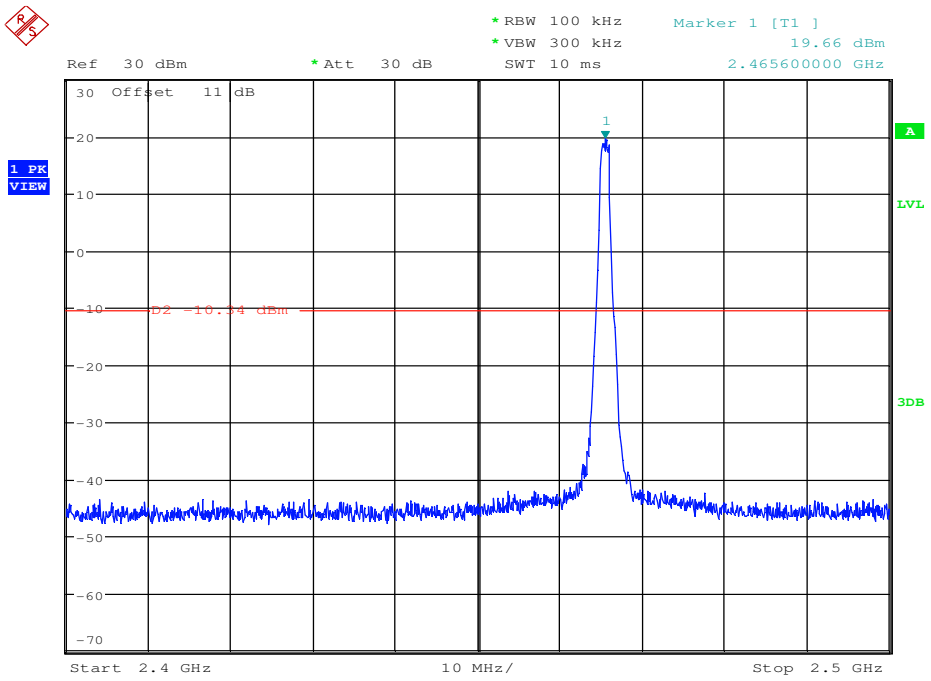
Pref	

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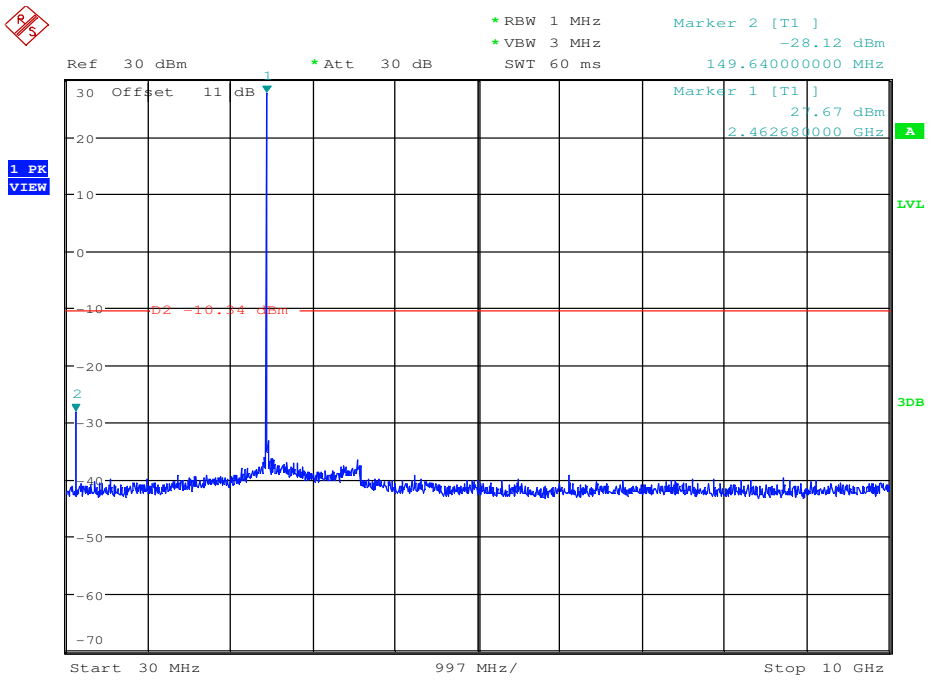
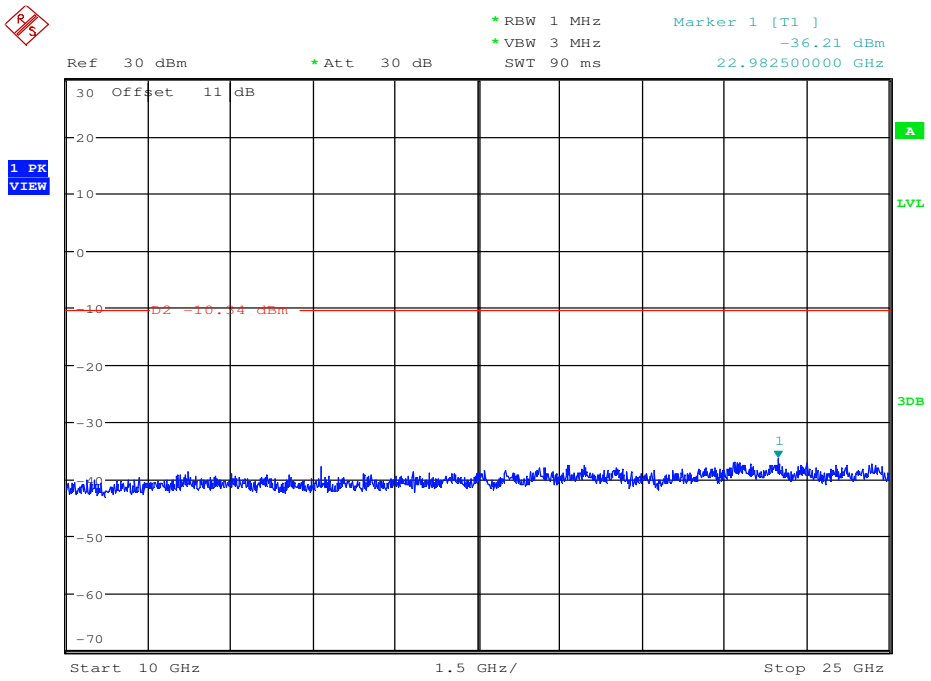
CSE_1	
CSE_2	

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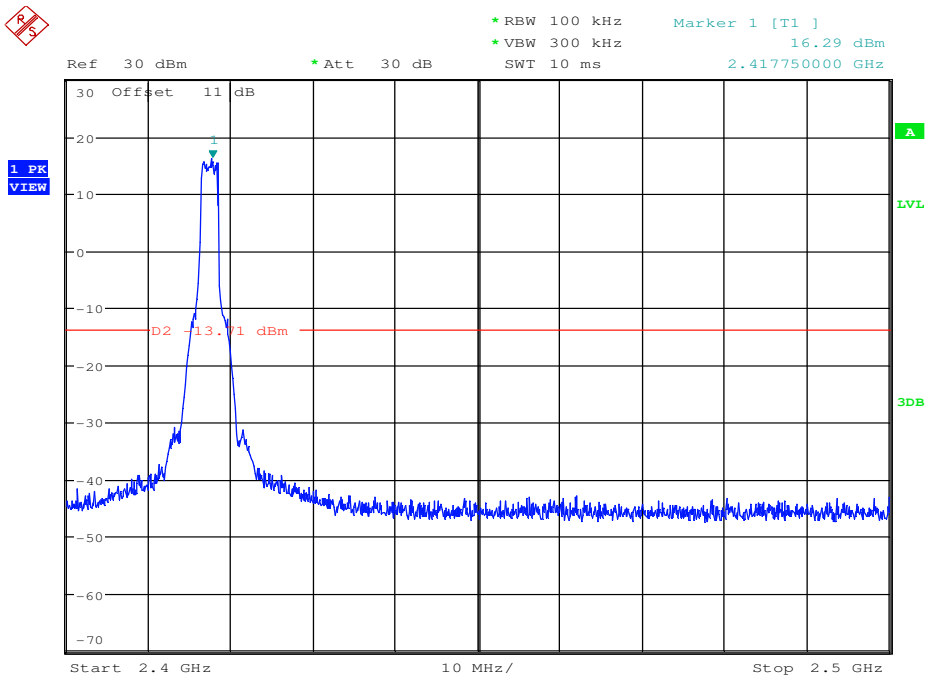
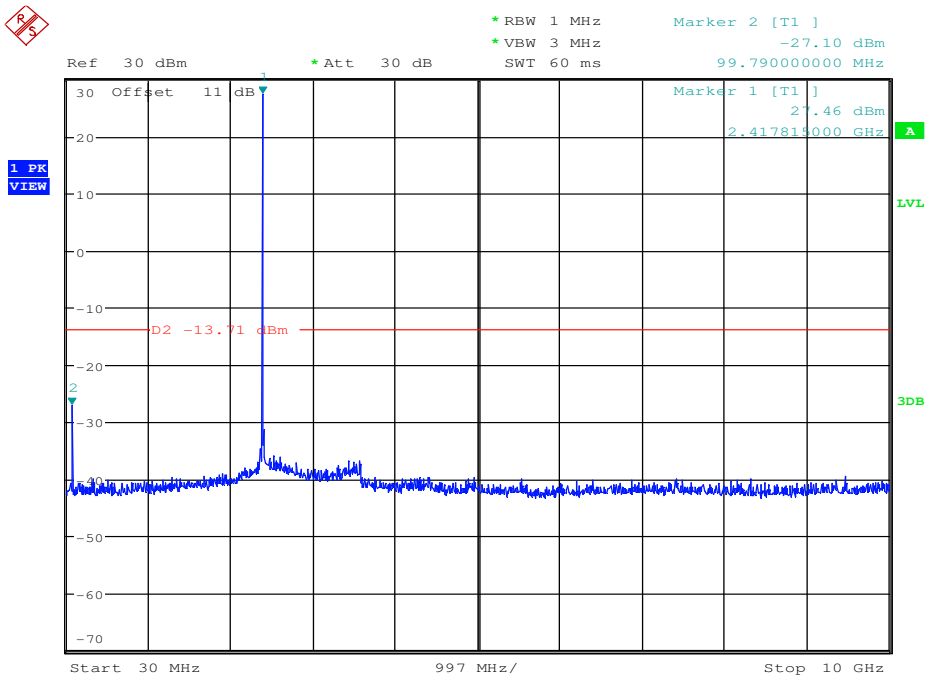
Pref	
CSE_1	

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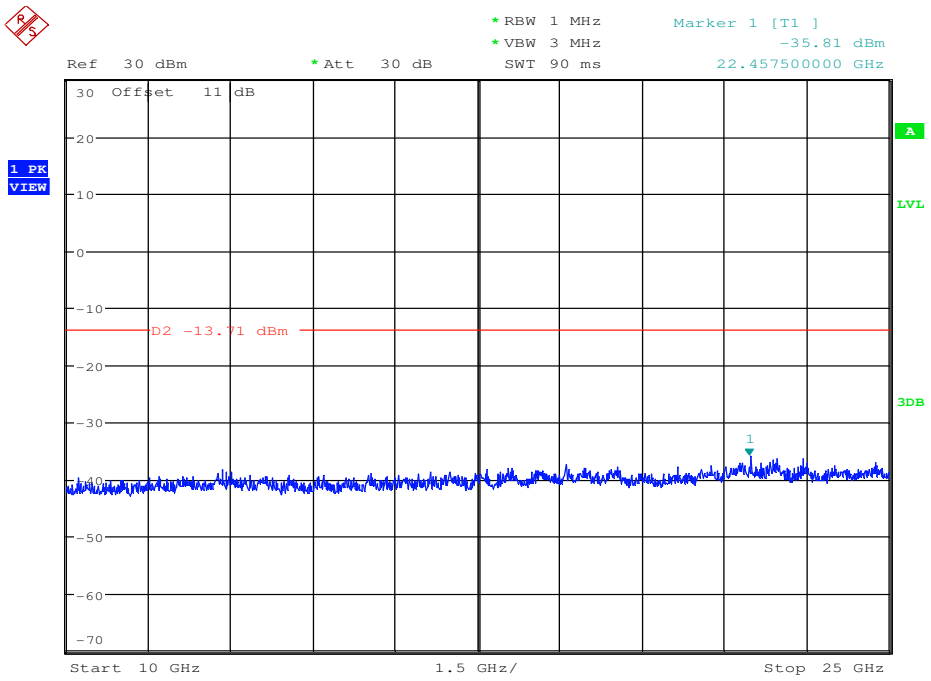
CSE_2	
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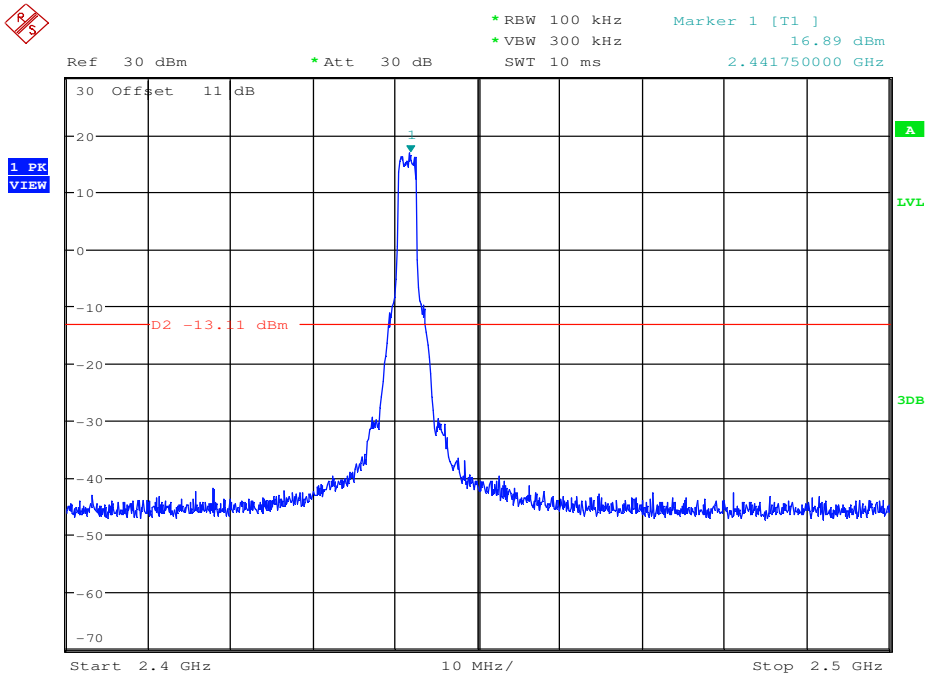
Pref	

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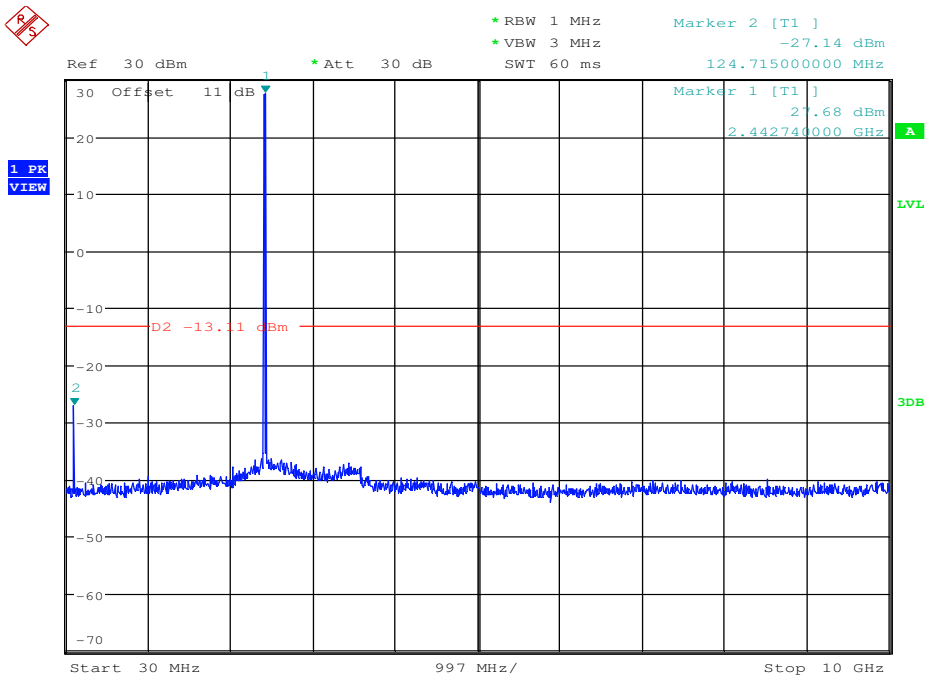
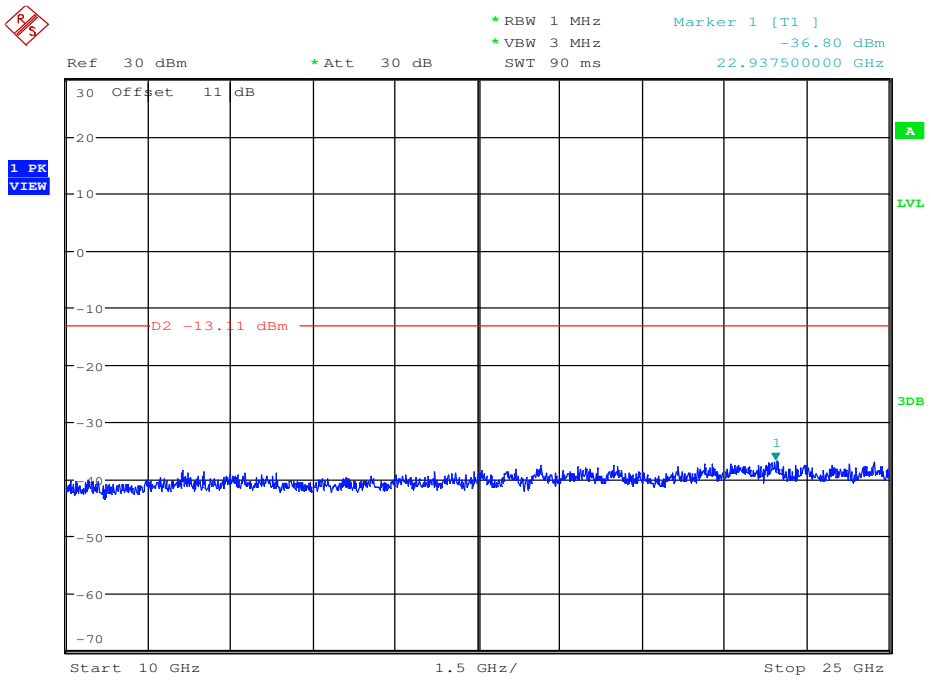
CSE_1	
CSE_2	

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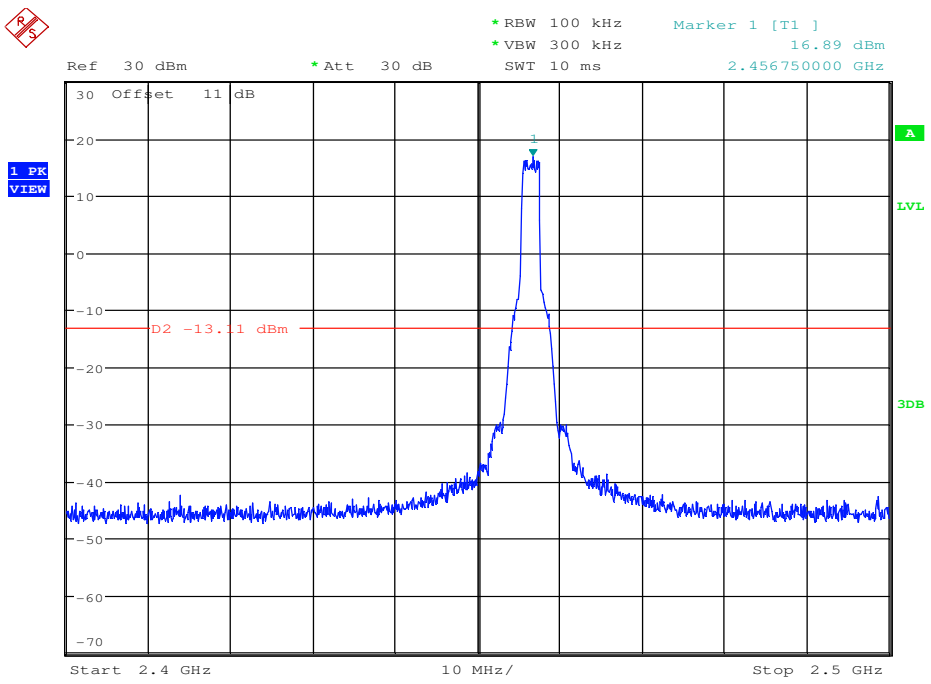
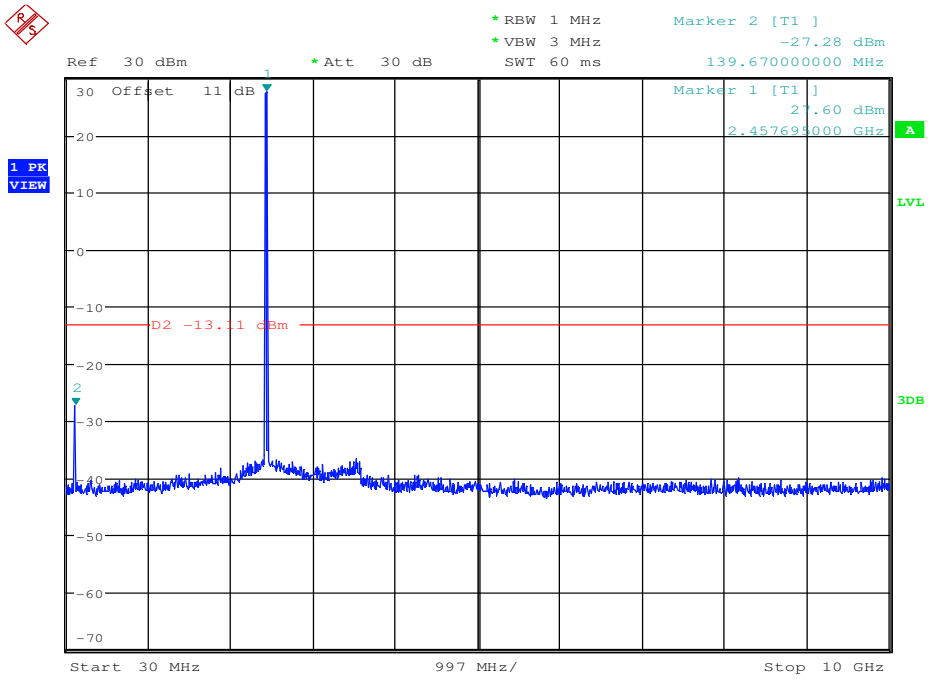
Pref	
CSE_1	

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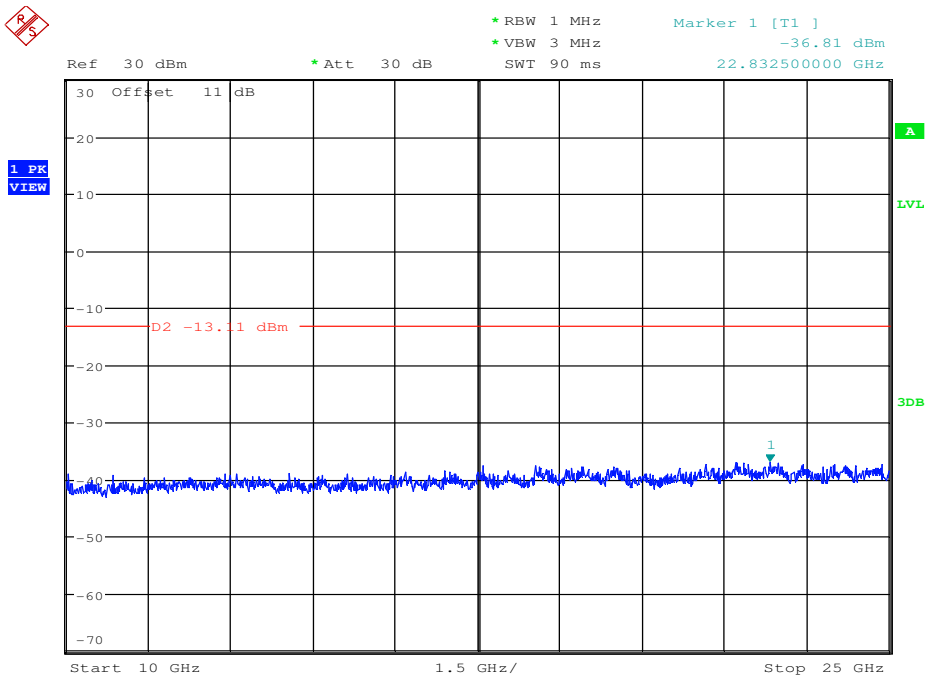
CSE_2	

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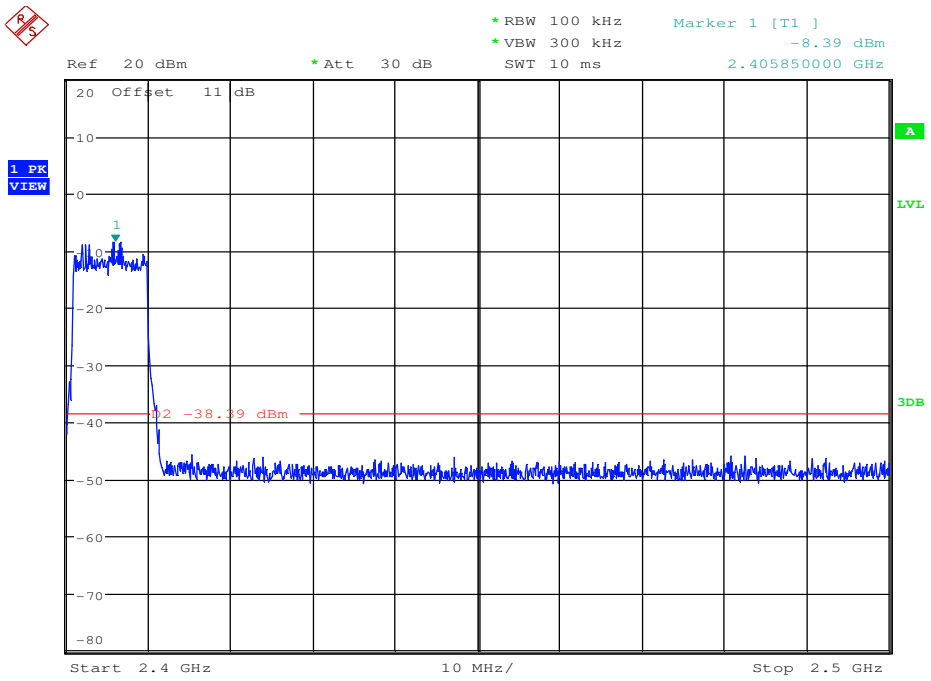
Pref	

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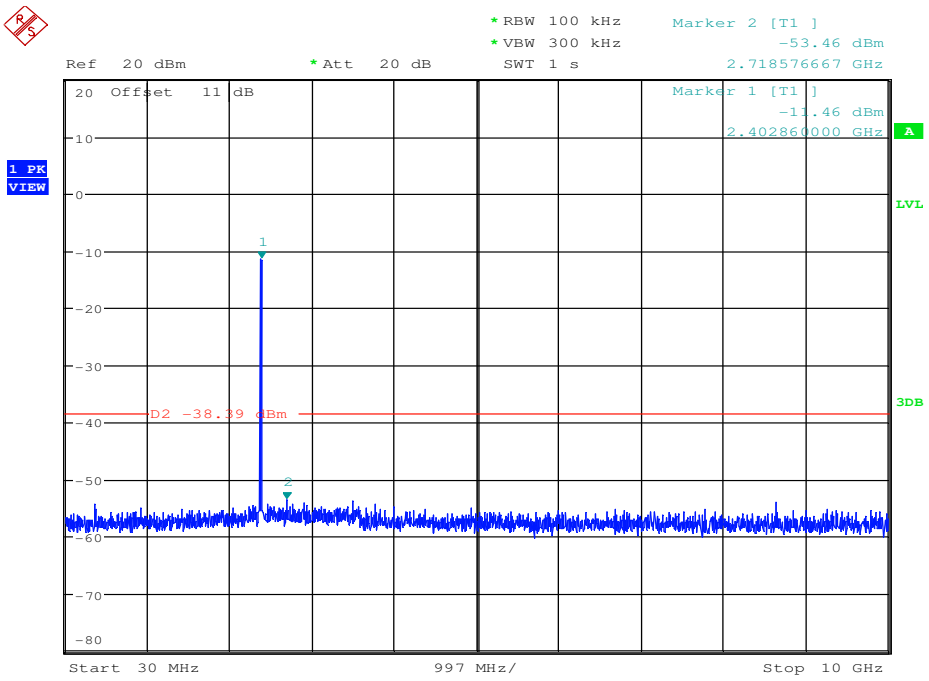
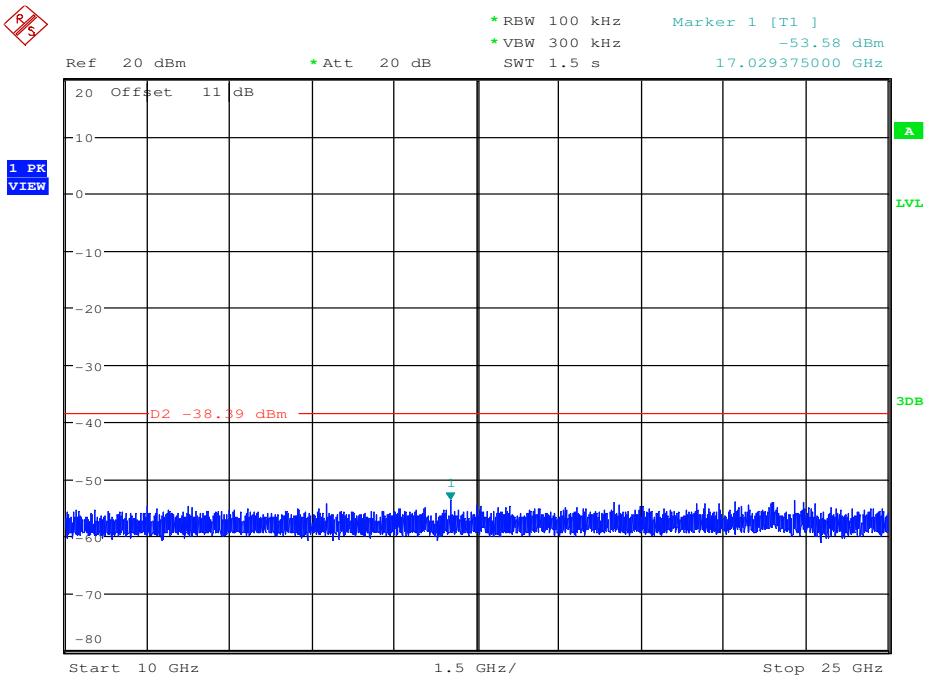
CSE_1	
CSE_2	

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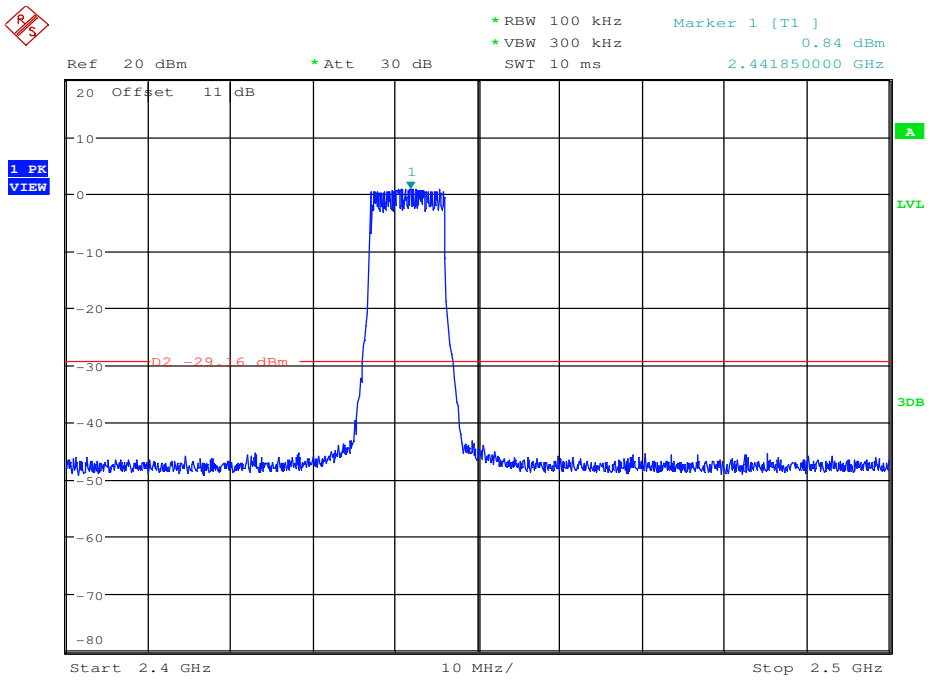
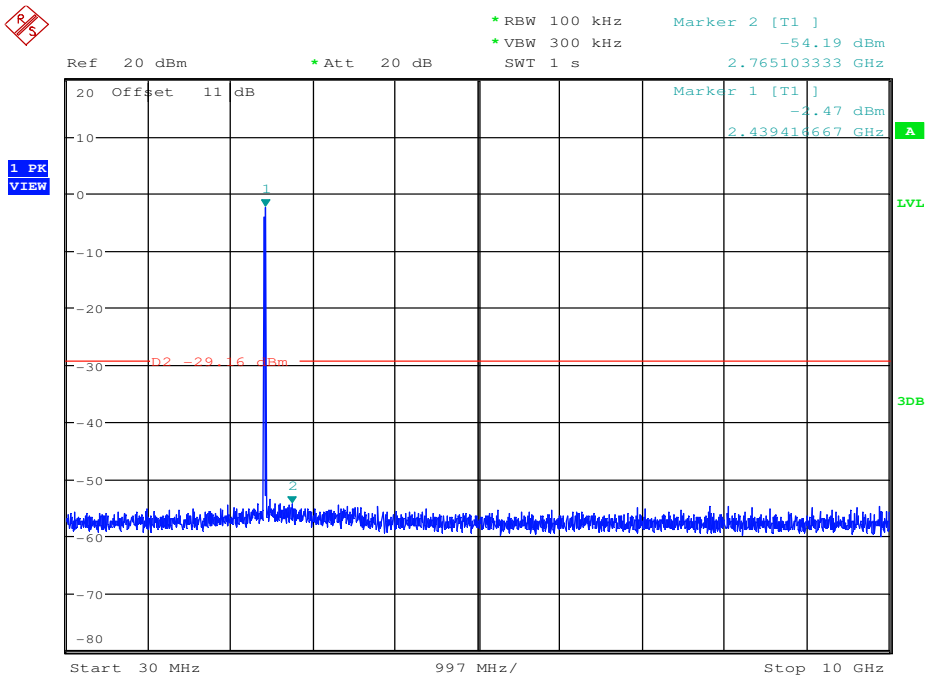
Pref	
CSE_1	

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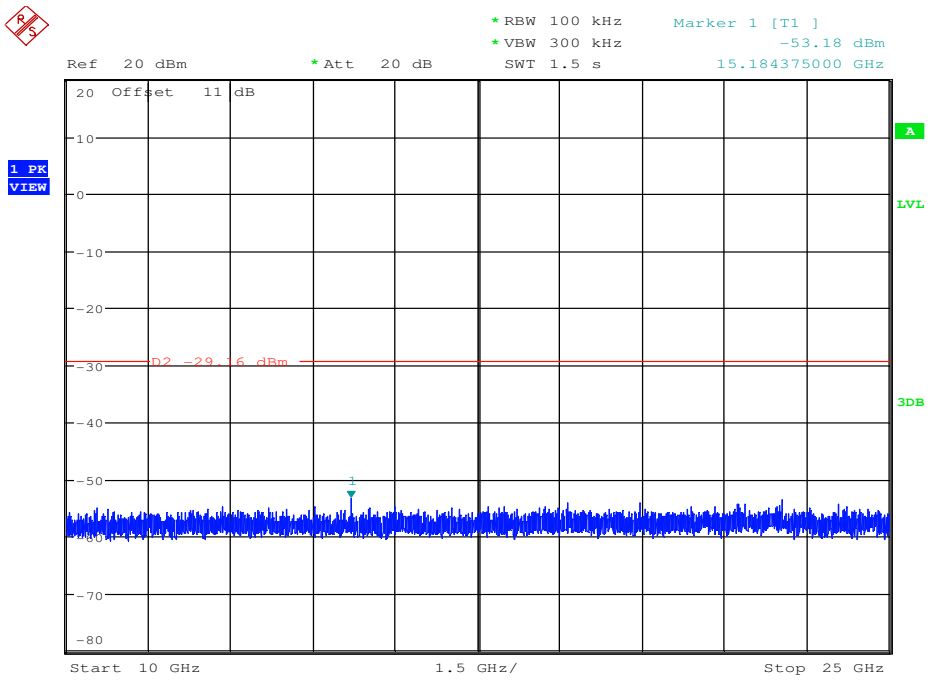
CSE_2	

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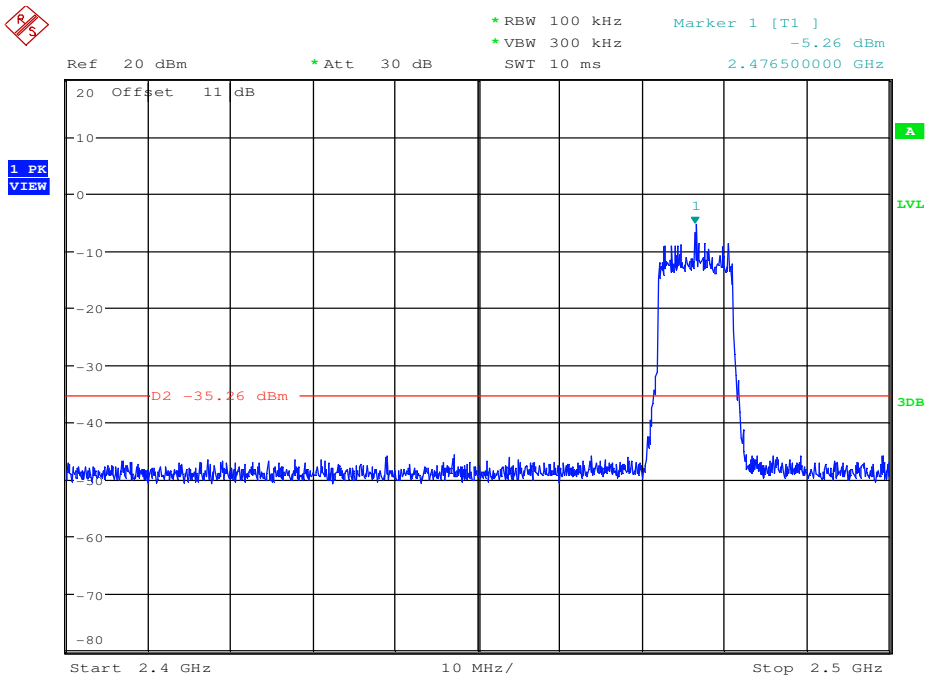
Pref	

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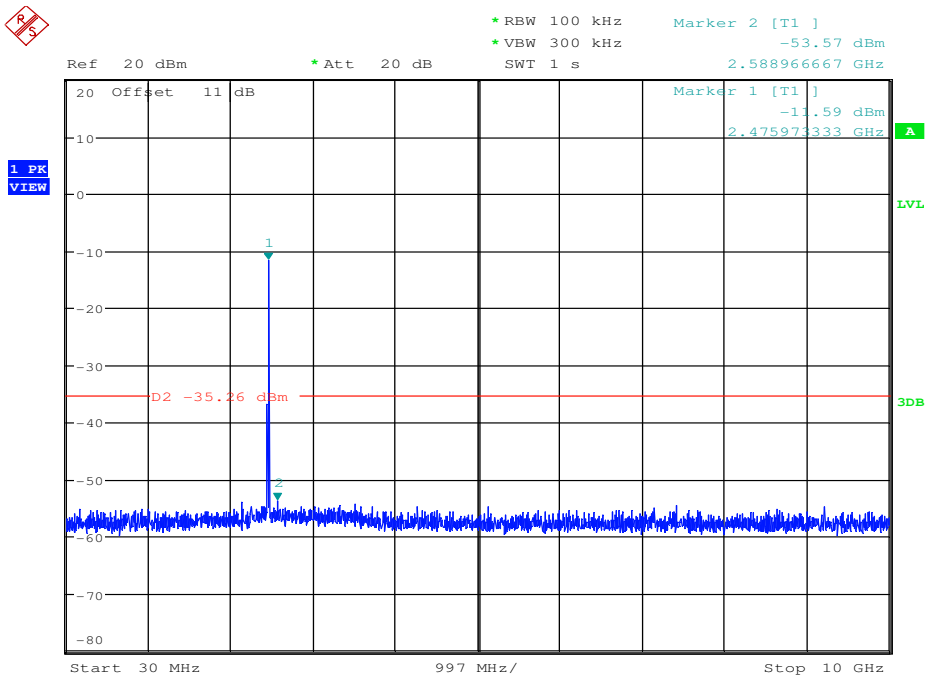
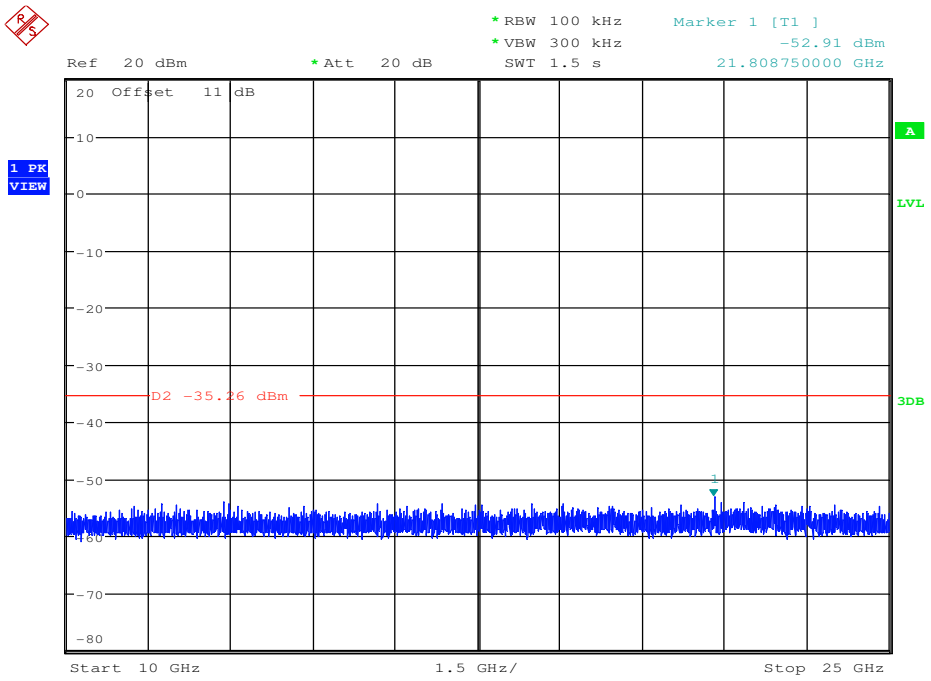
CSE_1	
CSE_2	

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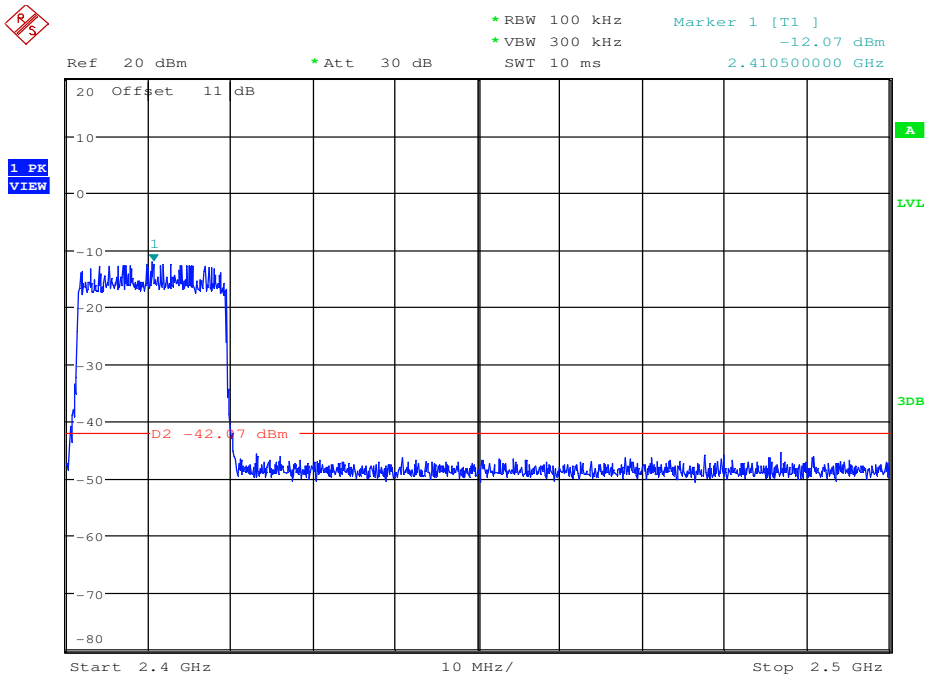
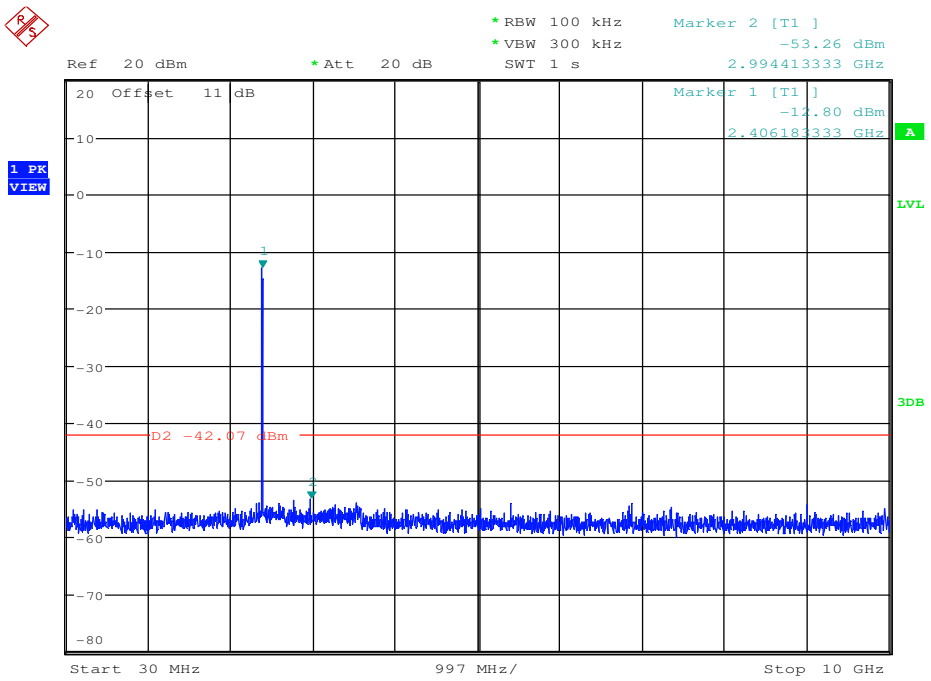
Pref	
CSE_1	

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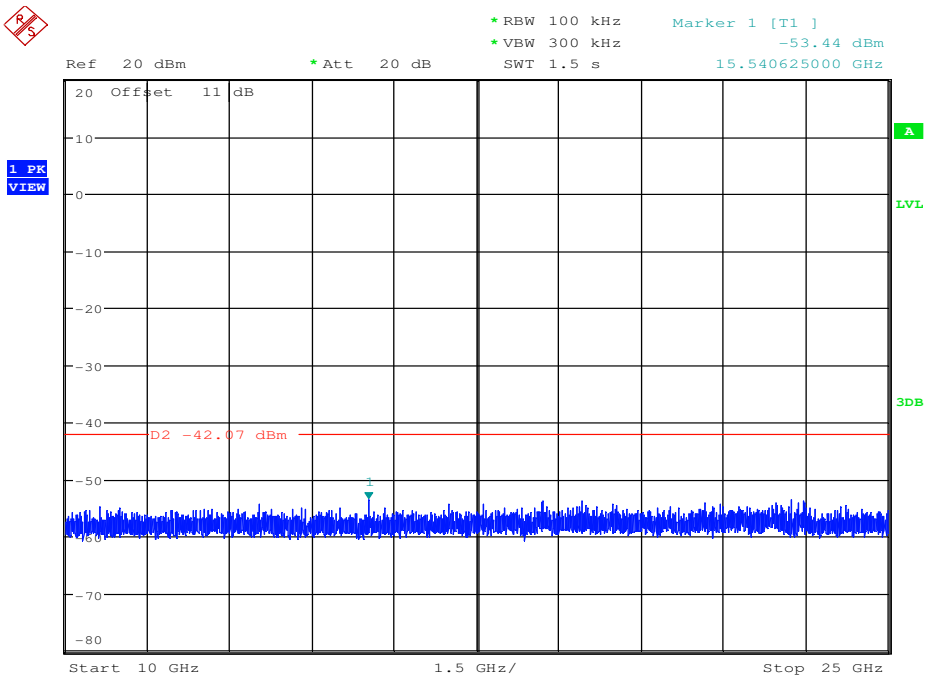

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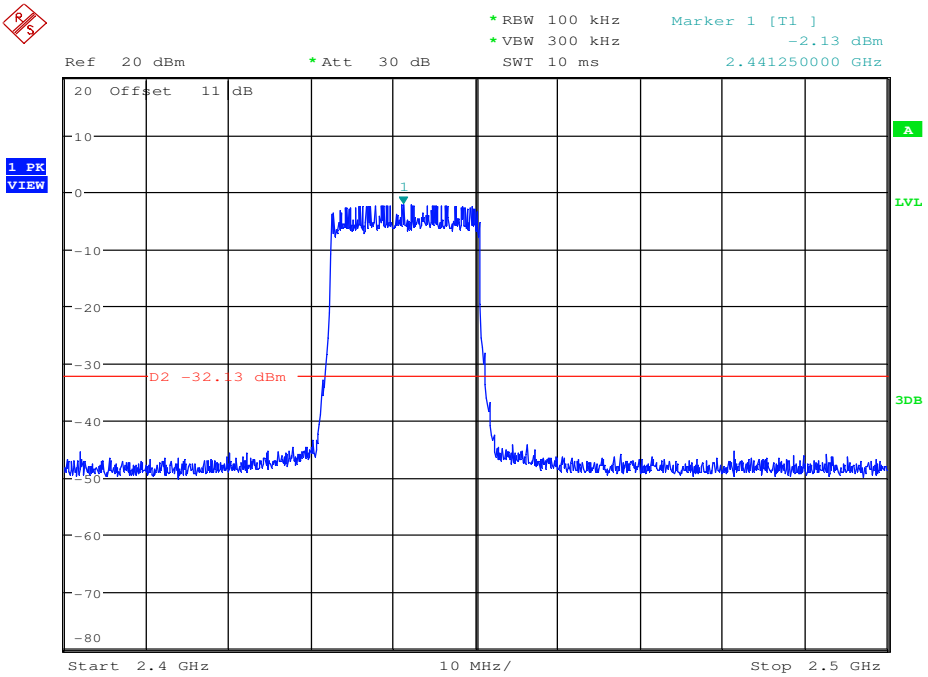

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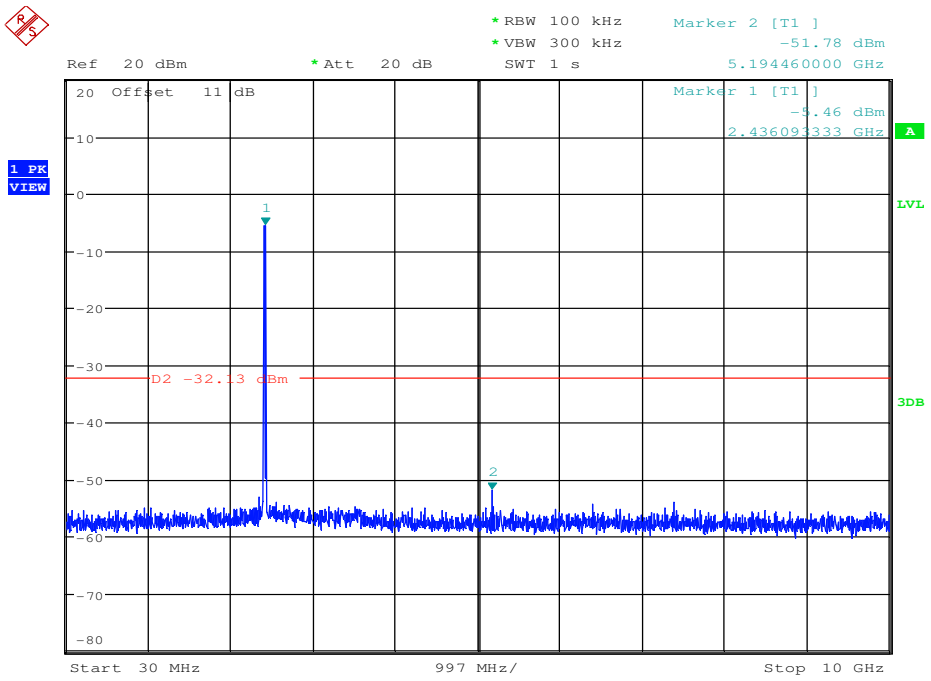
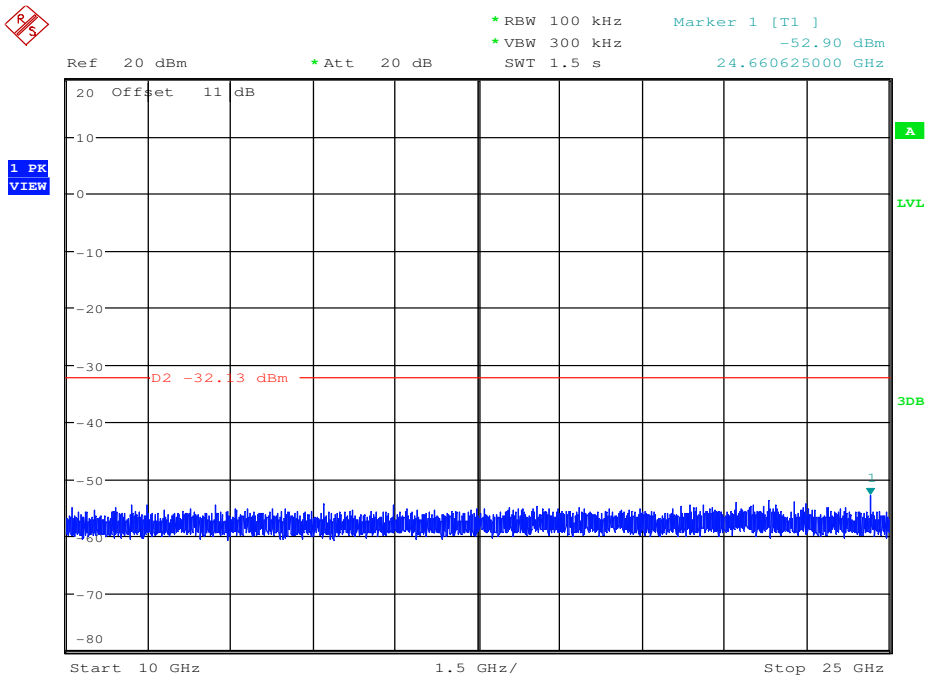
CSE_1	
CSE_2	

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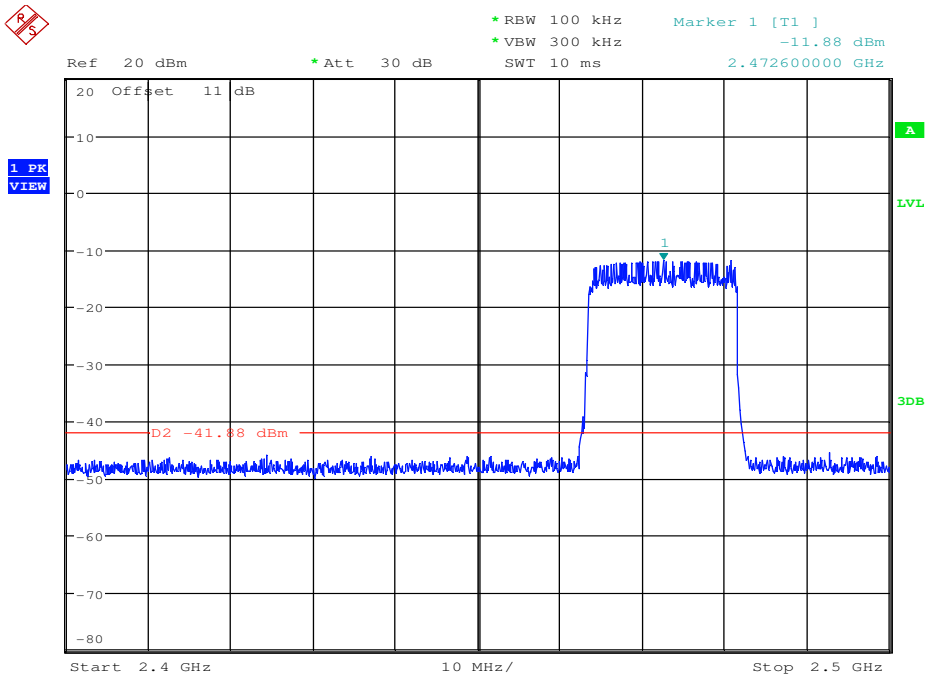
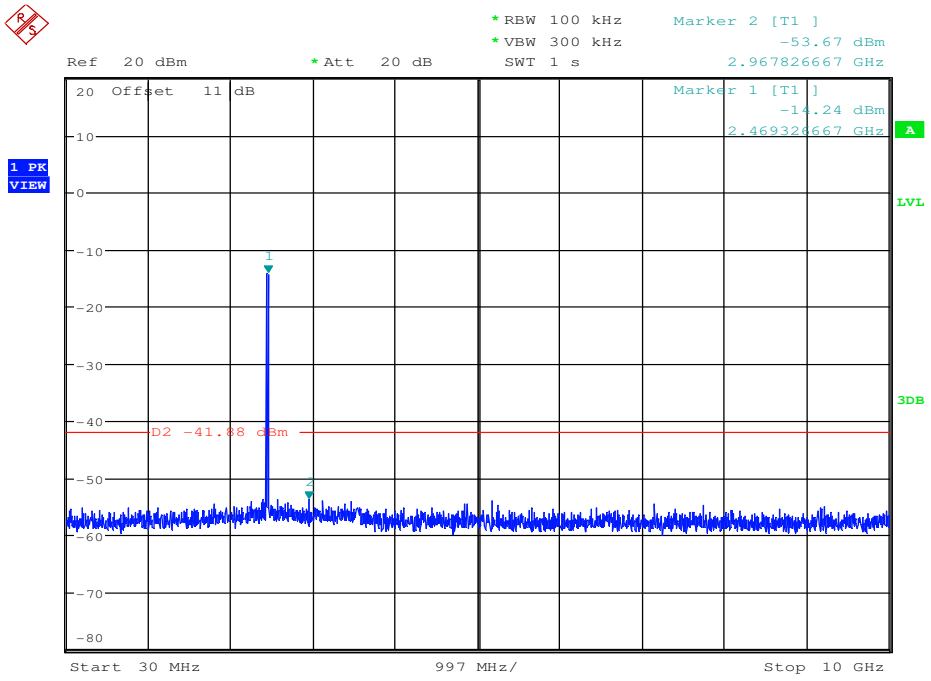
Pref	
CSE_1	

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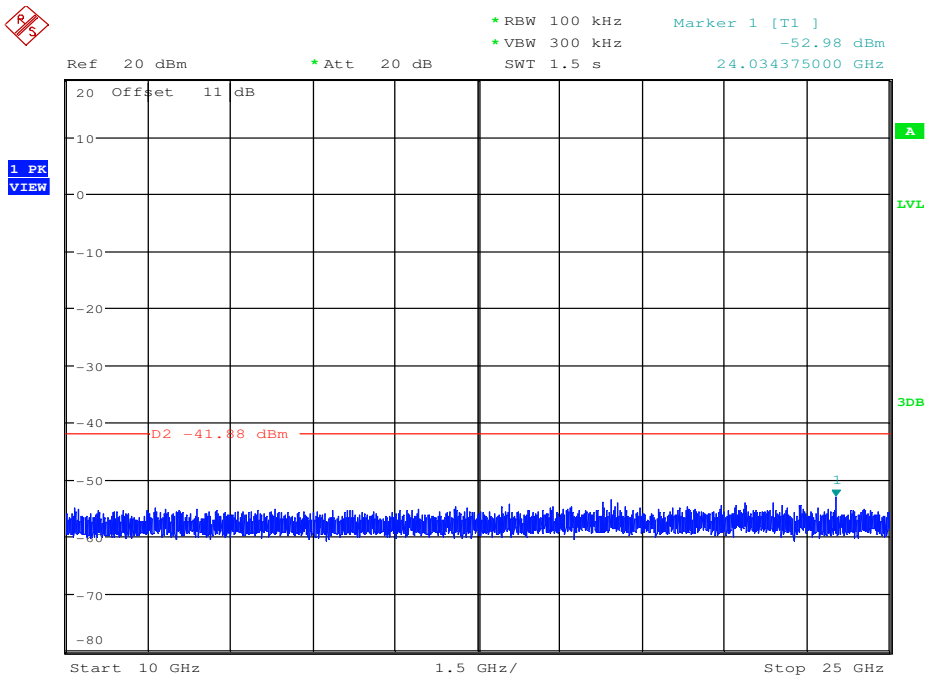
CSE_2	

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