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

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

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TEST REPORT

Application No.:	SZEM1804003478CR
Applicant:	Furrion Ltd.
Address of Applicant:	Units 503c & 505-508, Level 5, Core D, Cyberport 3, 100 Cyberport Road, Hong Kong
Manufacturer:	Furrion Ltd.
Address of Manufacturer:	Units 503c & 505-508, Level 5, Core D, Cyberport 3, 100 Cyberport Road, Hong Kong
Factory:	Furrion Ltd.
Address of Factory:	Units 503c & 505-508, Level 5, Core D, Cyberport 3, 100 Cyberport Road, Hong Kong
Equipment Under Test (EUT):	
EUT Name:	LTE WiFi Router
Model No.:	FAN17B8B, FAN17B83 ♣
♣	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade mark:	FURRION
FCC ID:	2ABH3-FAN17
Standard(s) :	47 CFR Part 15, Subpart C 15.247
Date of Receipt:	2018-05-22
Date of Test:	2018-05-24 to 2018-06-15
Date of Issue:	2018-06-20
Test Result:	**Pass***

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

Keny Xu
EMC Laboratory Manager

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

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2018-06-20		Original

Authorized for issue by:				
				
		Edison Li /Project Engineer		
				
		Eric Fu /Reviewer		

2 Test Summary

Radio Spectrum Technical Requirement				
Item	**Standard**	**Method**	**Requirement**	**Result**
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	Pass

Radio Spectrum Matter Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Minimum 6dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Power Spectrum Density	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.209 & 15.247(d)	Pass

Declaration of EUT Family Grouping:

Model No.: FAN17B8B, FAN17B83

Only the model FAN17B8B was tested, since the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, only the difference as below:

Model	Description
FAN17B8B	Internet Access Point, LTE and Wi-Fi Booster, with ceiling mount bracket
FAN17B83	Internet Access Point, LTE and Wi-Fi Booster, without ceiling mount bracket

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	DC 12V
Internal source:	More than 108MHz
Type of Modulation:	IEEE for 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE for 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n (HT20/HT40): OFDM (64QAM, 16QAM, QPSK, BPSK)
Operating Frequency:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz
Channel Number:	IEEE 802.11b/g, IEEE 802.11n(HT20): 11 Channels IEEE 802.11n(HT40): 7 Channels
Channels Step:	Channels with 5MHz step
Sample Type:	Fixed production
Antenna Type:	Integral
Antenna Gain:	Antenna1/Antenna2:2dBi

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
DC power	ZHAOXIN	RXN-305D	REF. No.SEA2700

4.3 Measurement Uncertainty

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

4.4 Test Location

All tests were performed at:

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

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

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

No tests were sub-contracted.

4.5 Test Facility

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

• CNAS (No. CNAS L2929)

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

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

• A2LA (Certificate No. 3816.01)

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

• VCCI

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

• FCC –Designation Number: CN1178

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

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

• Industry Canada (IC)

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

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

5 Equipment List

RF Conducted Test					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26
Power Sensor	KEYSIGHT	U2021XA	SEM009-13	2018-04-13	2019-04-12
Power Sensor	KEYSIGHT	U2021XA	SEM009-14	2018-04-13	2019-04-12
Power Sensor	KEYSIGHT	U2021XA	SEM009-15	2018-04-13	2019-04-12
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2018-04-13	2019-04-12

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

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

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

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(c)

6.1.2 Conclusion

Standard Requirement:

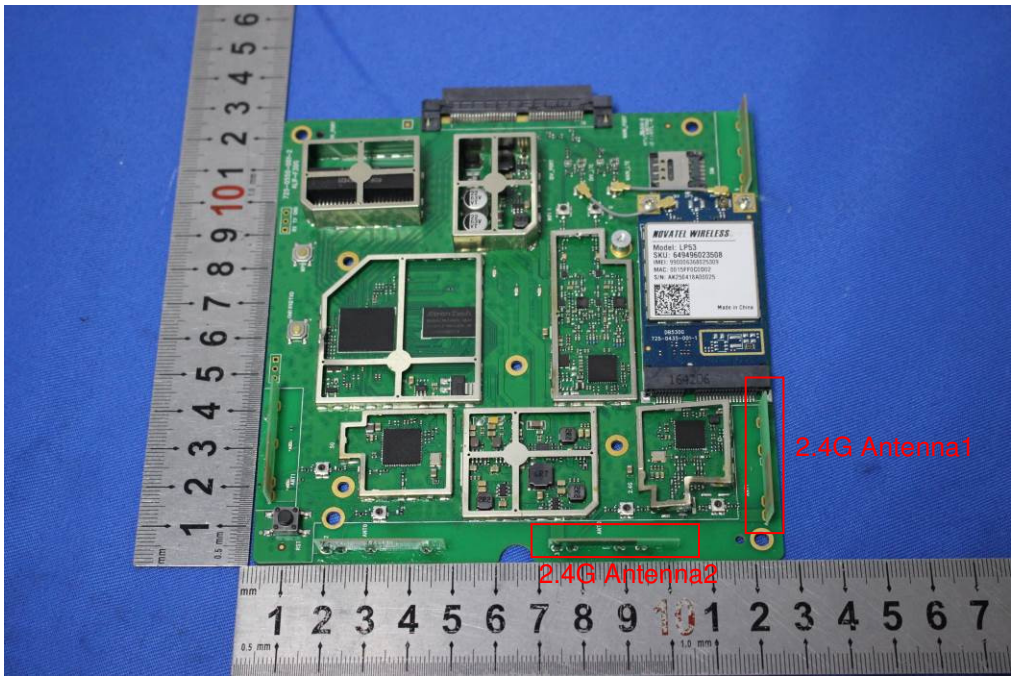
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit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

15.247(b) (4) requirement:

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

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2dBi.



7 Radio Spectrum Matter Test Results

7.1 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2)
Test Method: ANSI C63.10 (2013) Section 11.8.1
Limit: ⩾500 kHz

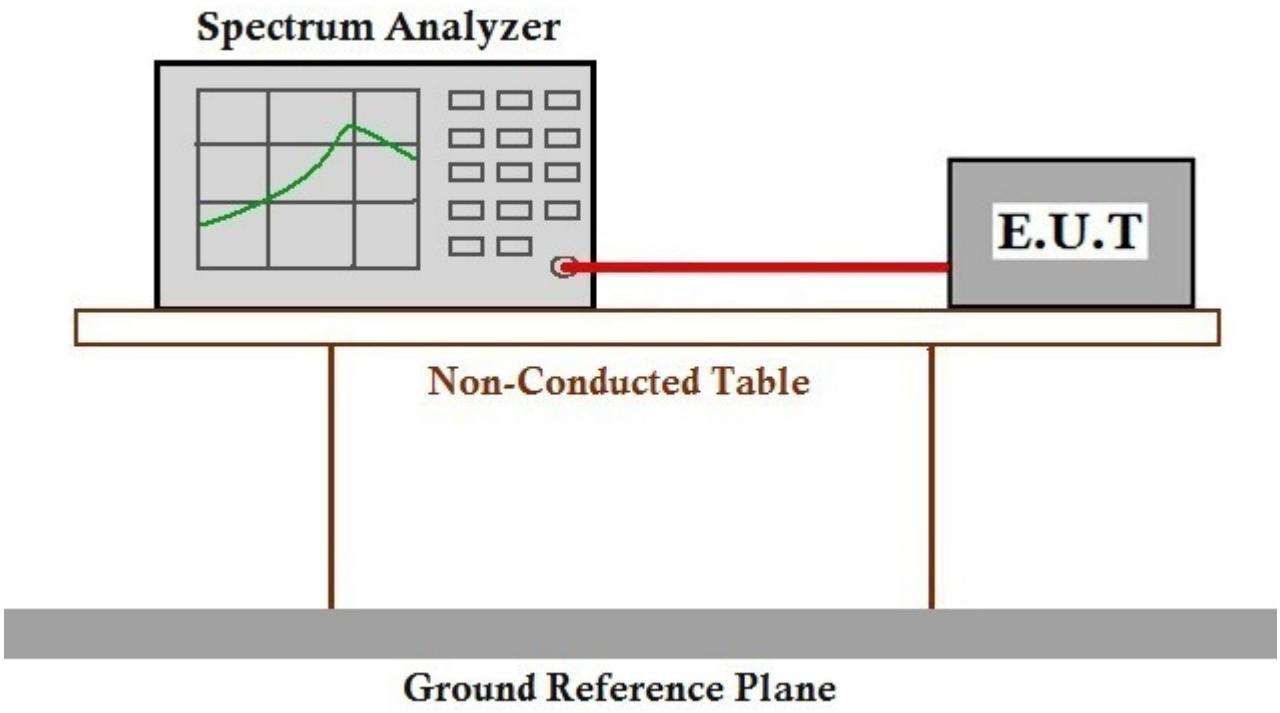
7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 64.3 % RH Atmospheric Pressure: 1010 mbar

Test mode b:TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40). Only the data of worst case is recorded in the report.

7.1.2 Test Setup Diagram



7.1.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.2 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)

Test Method: ANSI C63.10 (2013) Section 11.9.1

Limit:

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

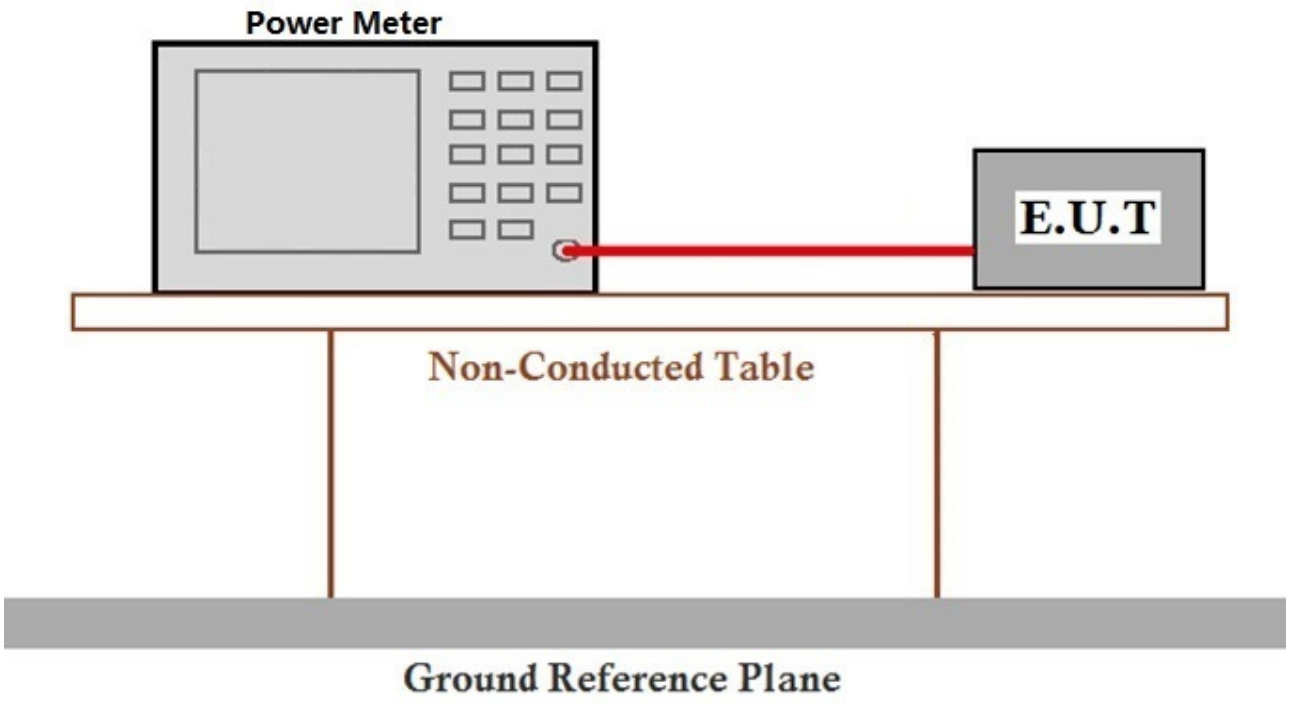
7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 64.3 % RH Atmospheric Pressure: 1010 mbar

Test mode b:TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40). Only the data of worst case is recorded in the report.

7.2.2 Test Setup Diagram



7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.3 Power Spectrum Density

Test Requirement	47 CFR Part 15, Subpart C 15.247(e)
Test Method:	ANSI C63.10 (2013) Section 11.10.2
Limit:	≤8dBm in any 3 kHz band during any time interval of continuous transmission

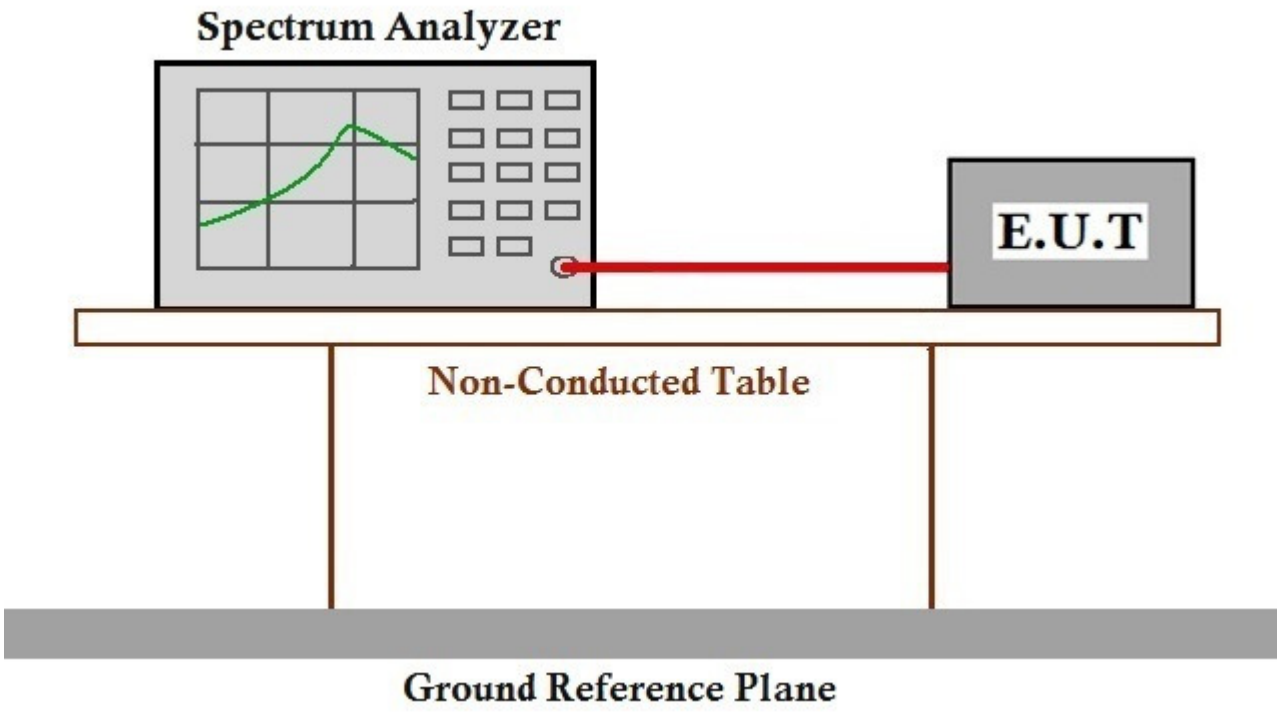
7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar

Test mode: b:TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40). Only the data of worst case is recorded in the report.

7.3.2 Test Setup Diagram



7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.4 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

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

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

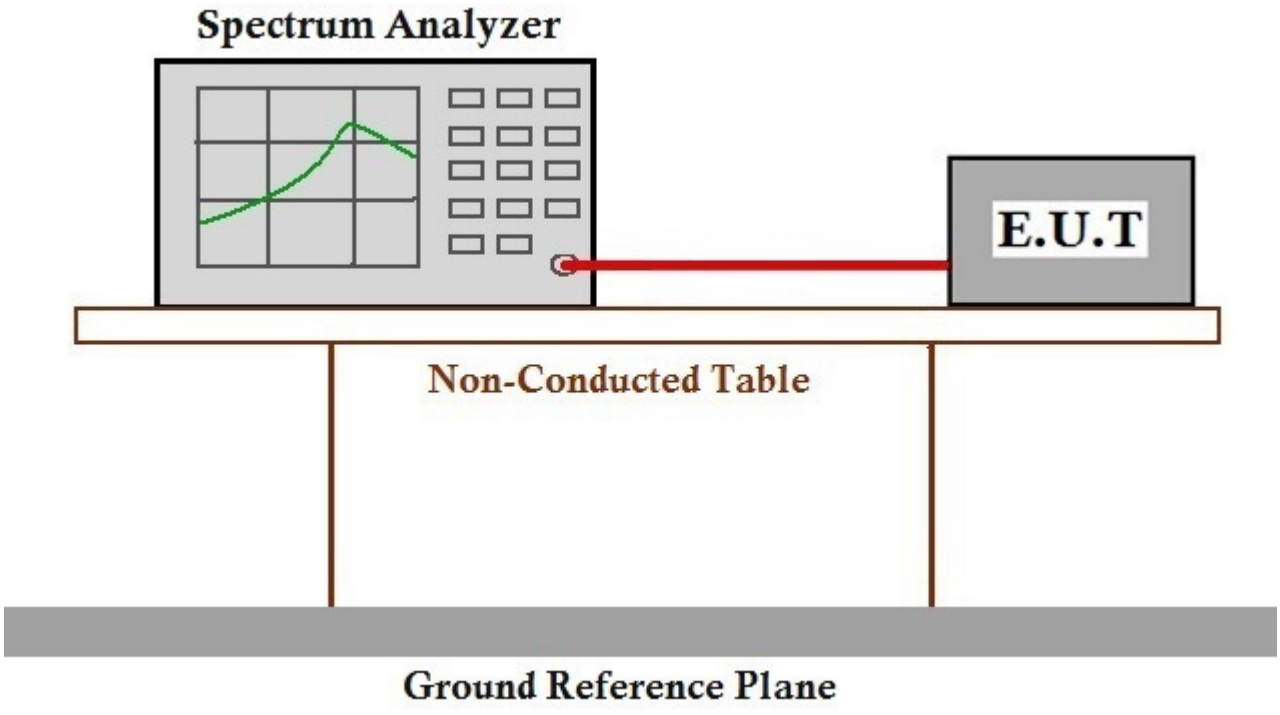
7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar

Test mode b:TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40). Only the data of worst case is recorded in the report.

7.4.2 Test Setup Diagram



7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.5 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

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

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

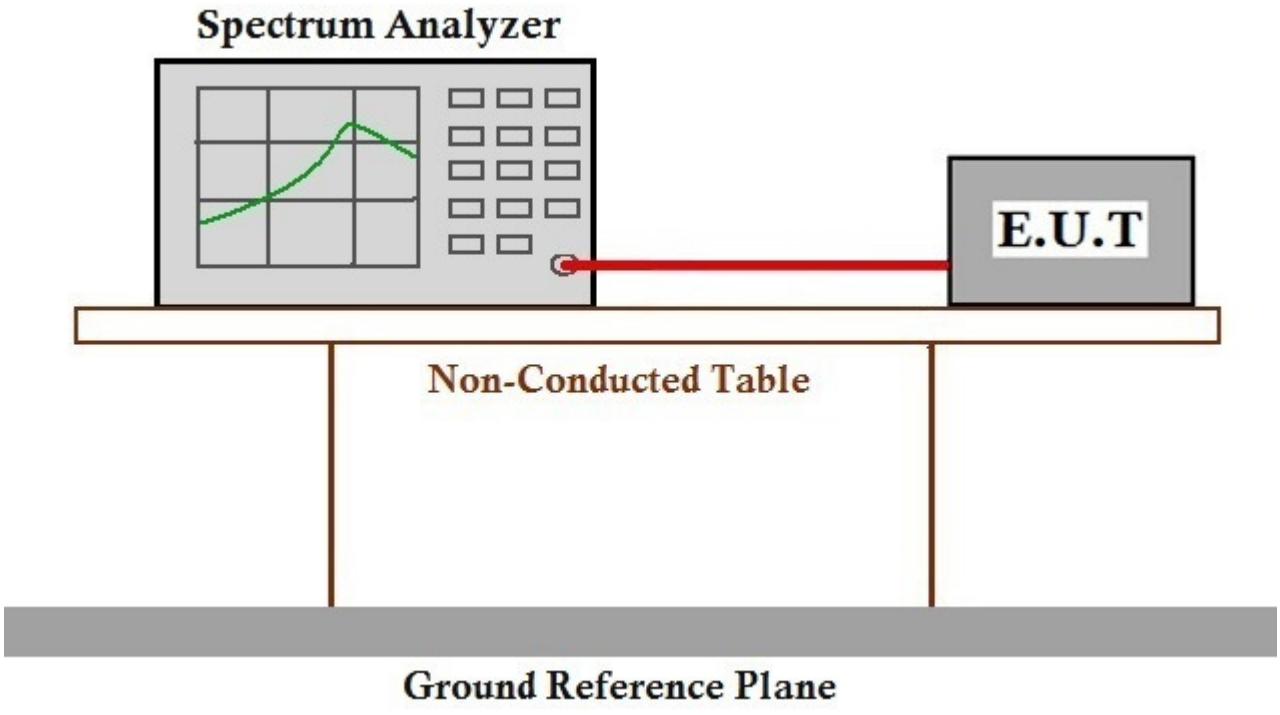
7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar

Test mode b:TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40). Only the data of worst case is recorded in the report.

7.5.2 Test Setup Diagram



7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247

7.6 Radiated Emissions which fall in the restricted bands

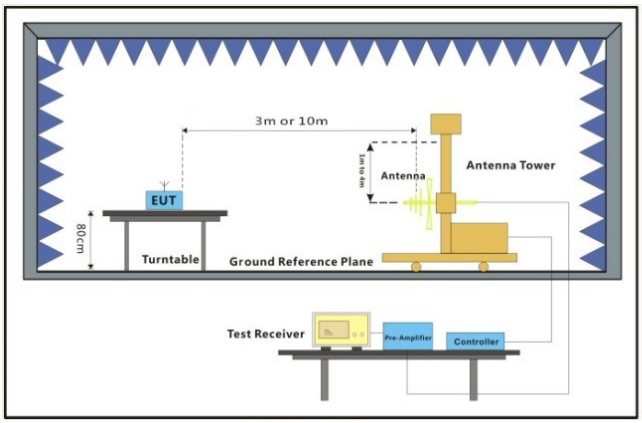
Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.247(d)
Test Method: ANSI C63.10 (2013) Section 6.10.5
Measurement Distance: 3m
Limit:

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

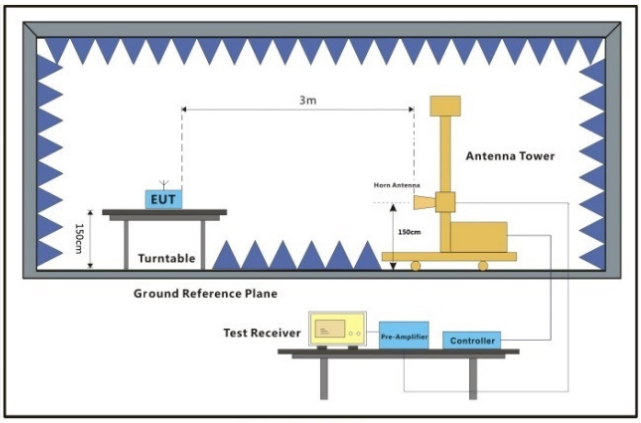
7.6.1 E.U.T. Operation

Operating Environment:
Temperature: 23.5 °C Humidity: 56.7 % RH Atmospheric Pressure: 1010 mbar
Test mode b:TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40). Only the data of worst case is recorded in the report.

7.6.2 Test Setup Diagram



30MHz-1GHz



Above 1GHz

7.6.3 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.

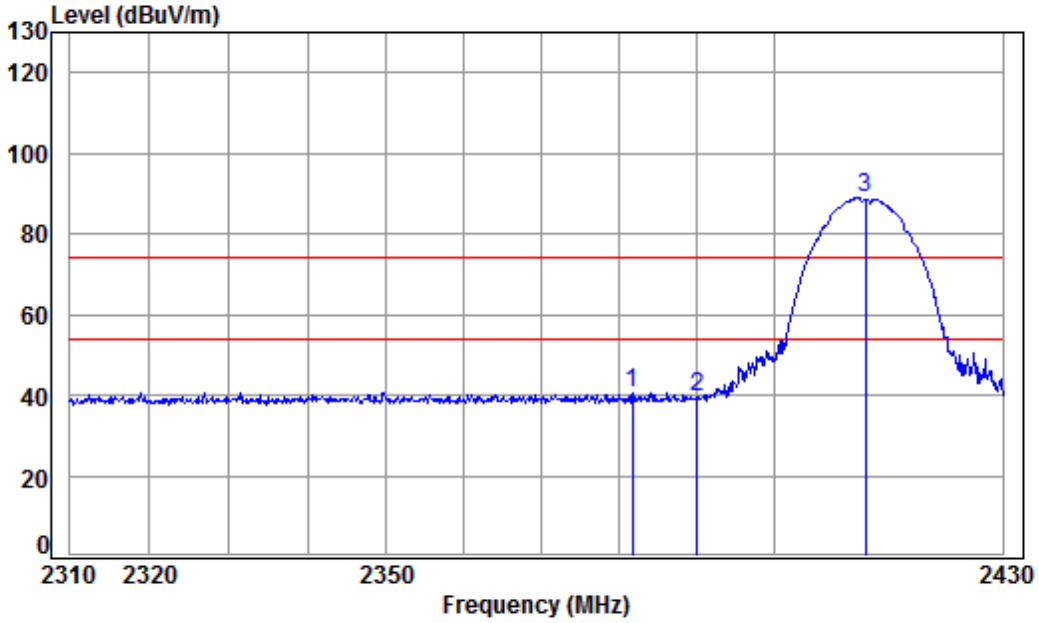
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

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.

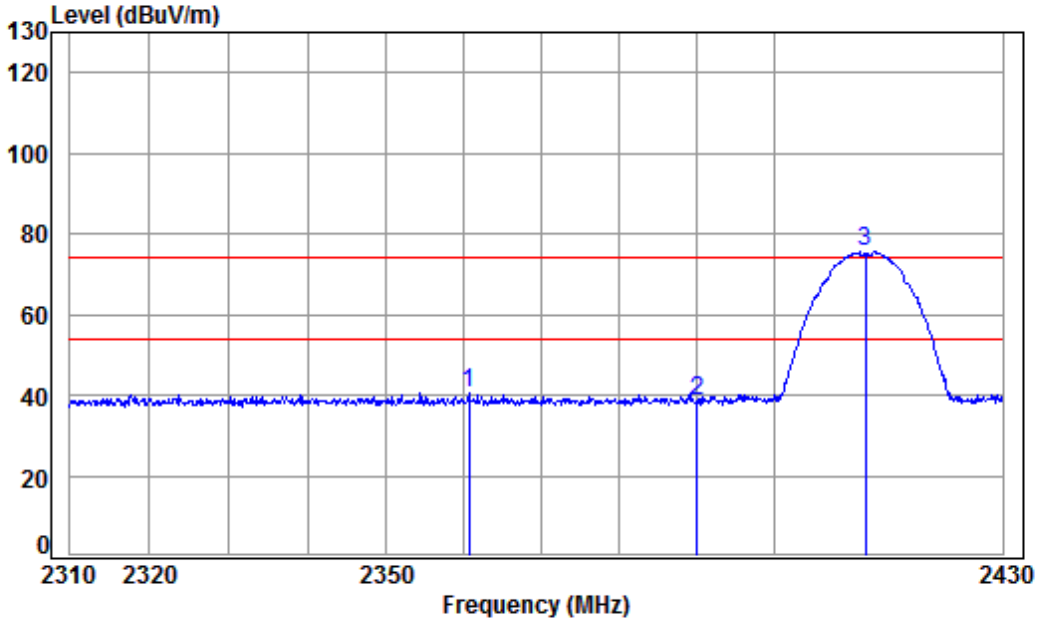
Antenna1:
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2381.631	5.46	28.50	41.87	48.57	40.66	74.00	-33.34	peak
2	2390.000	5.47	28.52	41.87	47.42	39.54	74.00	-34.46	peak
3 pp	2412.000	5.50	28.56	41.88	96.73	88.91	74.00	14.91	peak

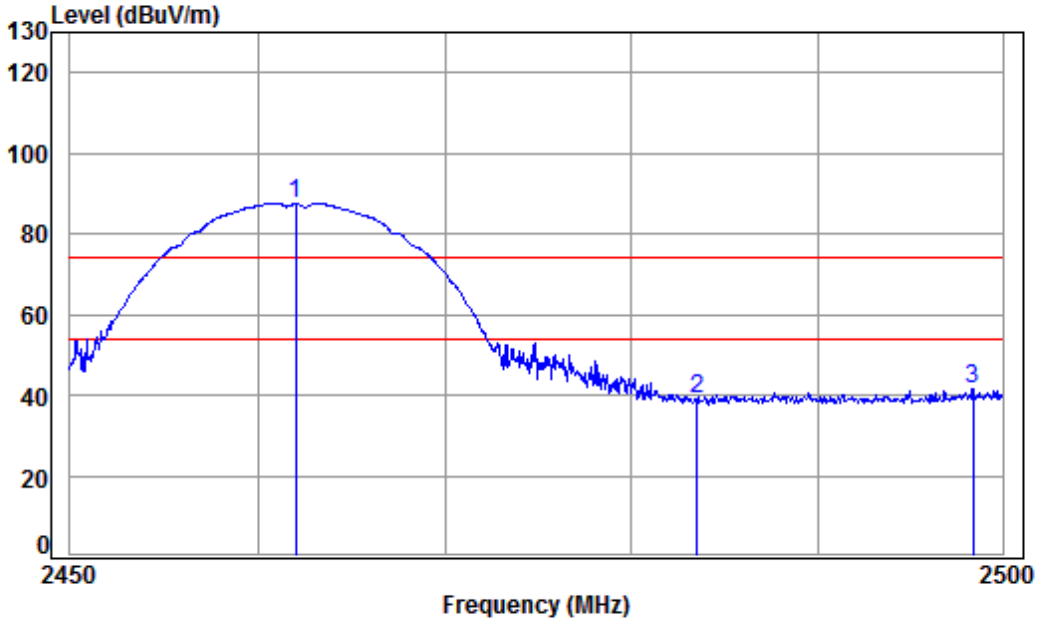
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2360.617	5.43	28.47	41.86	48.43	40.47	74.00	-33.53	Peak
2	2390.000	5.47	28.52	41.87	46.56	38.68	74.00	-35.32	Peak
3 pp	2412.000	5.50	28.56	41.88	83.28	75.46	74.00	1.46	Peak

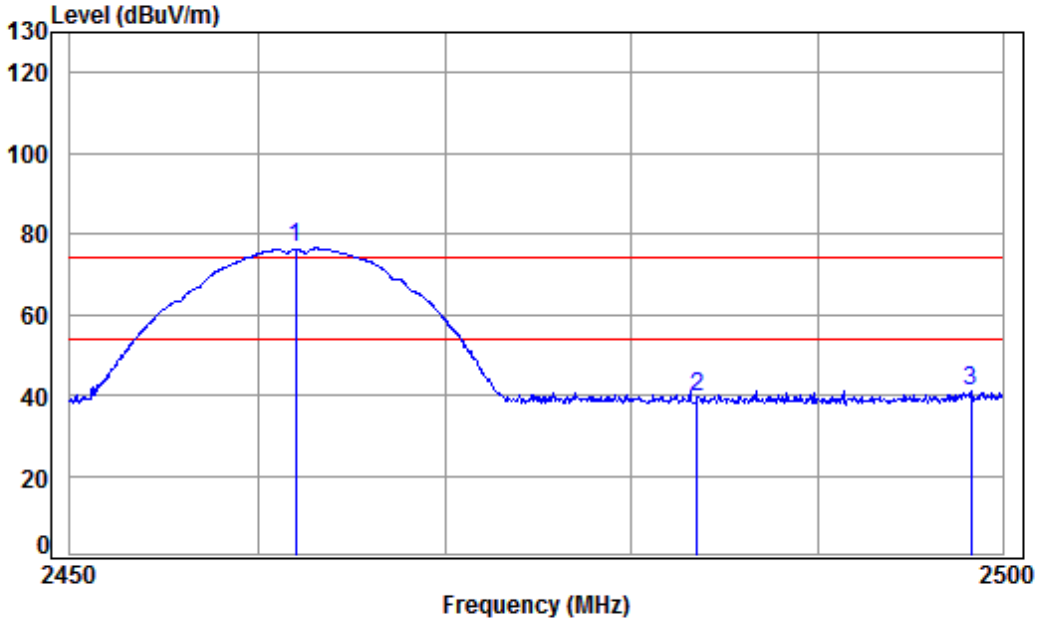
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	95.42	87.73	74.00	13.73	peak
2	2483.500	5.60	28.67	41.91	46.69	39.05	74.00	-34.95	peak
3	2498.384	5.62	28.70	41.92	49.10	41.50	74.00	-32.50	peak

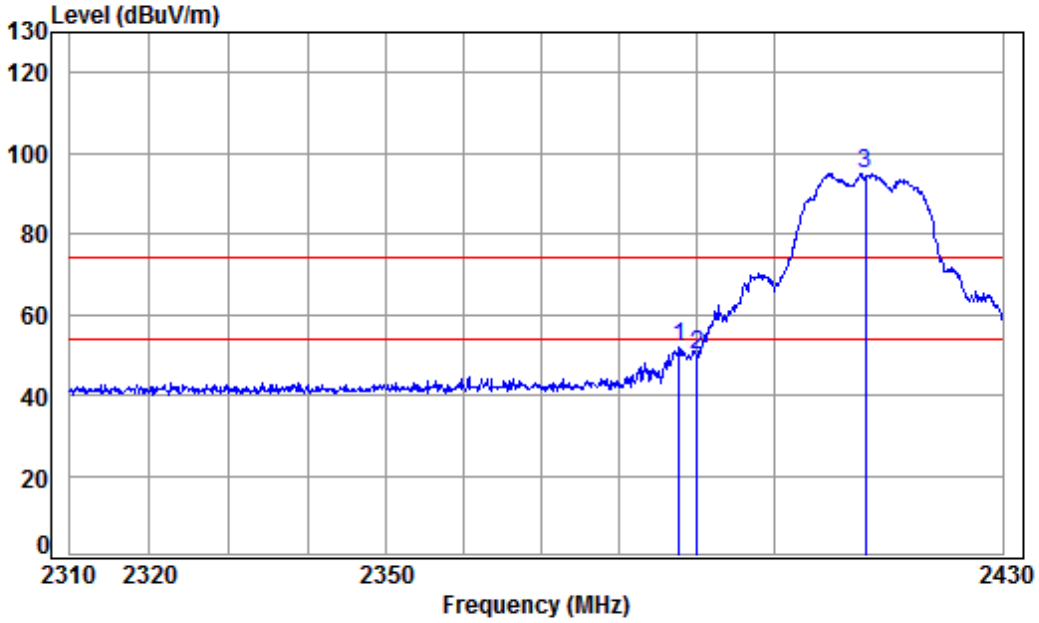
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	84.17	76.48	74.00	2.48	peak
2	2483.500	5.60	28.67	41.91	47.25	39.61	74.00	-34.39	peak
3	2498.283	5.62	28.70	41.92	48.72	41.12	74.00	-32.88	peak

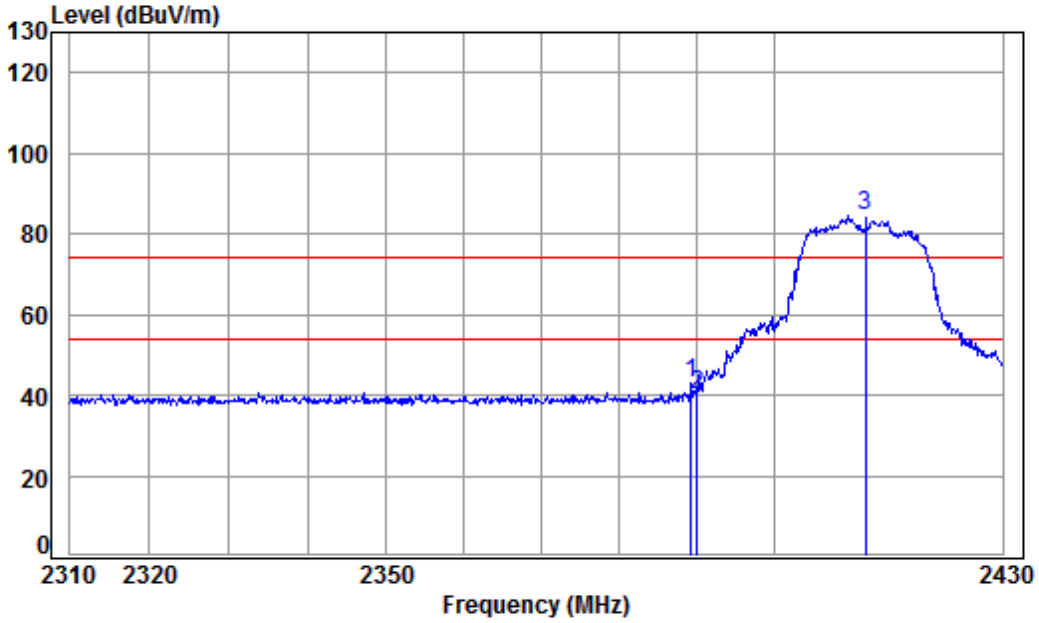
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2387.670	5.47	28.51	41.87	59.80	51.91	74.00	-22.09	peak
2	2390.000	5.47	28.52	41.87	57.82	49.94	74.00	-24.06	peak
3 pp	2412.000	5.50	28.56	41.88	102.92	95.10	74.00	21.10	peak

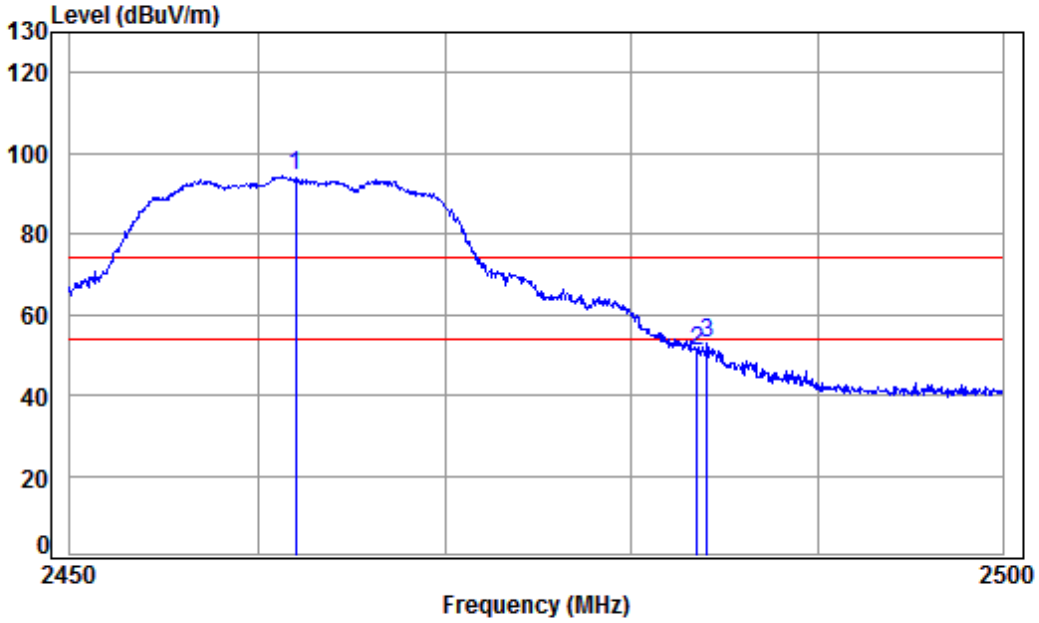
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.242	5.47	28.52	41.87	50.68	42.80	74.00	-31.20	peak
2	2390.000	5.47	28.52	41.87	47.81	39.93	74.00	-34.07	peak
3 pp	2412.000	5.50	28.56	41.88	92.19	84.37	74.00	10.37	peak

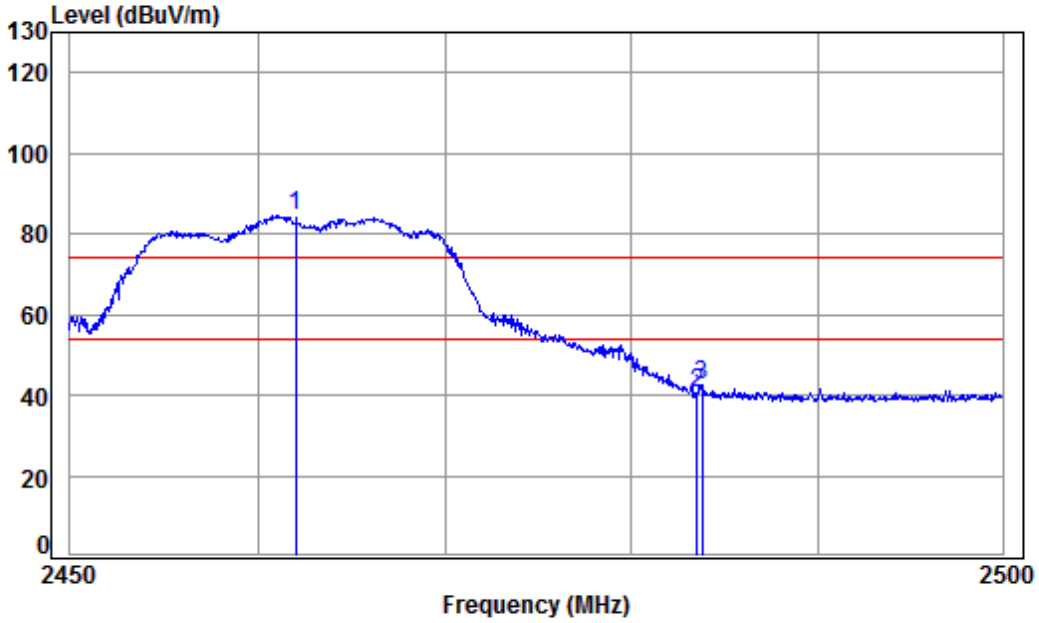
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	102.04	94.35	74.00	20.35	peak
2	2483.500	5.60	28.67	41.91	58.49	50.85	74.00	-23.15	peak
3	2484.041	5.60	28.67	41.91	60.36	52.72	74.00	-21.28	peak

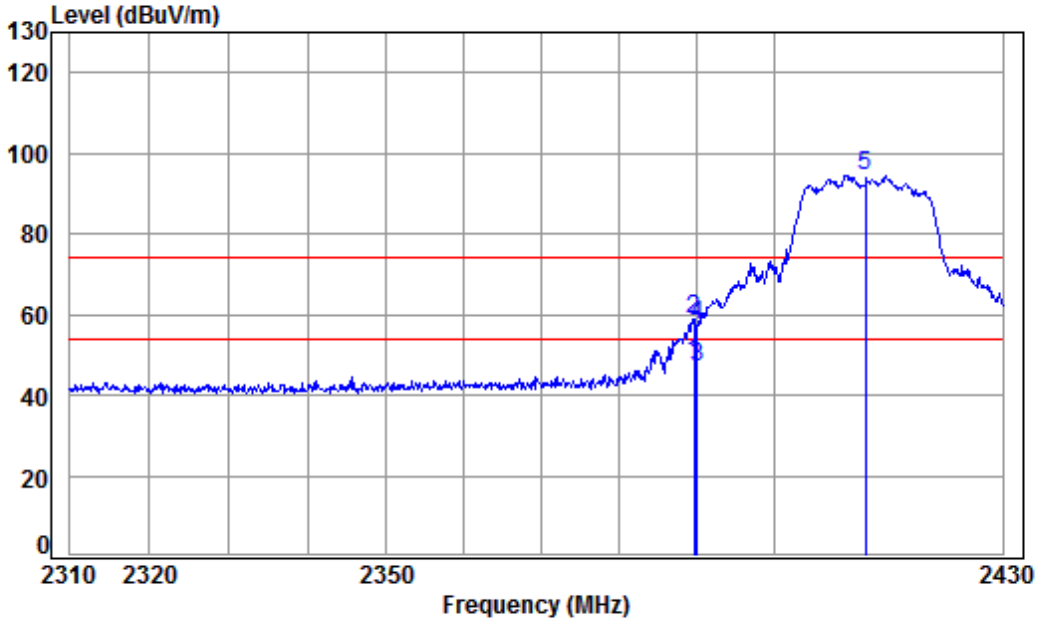
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	92.46	84.77	74.00	10.77	peak
2	2483.500	5.60	28.67	41.91	48.28	40.64	74.00	-33.36	peak
3	2483.790	5.60	28.67	41.91	50.12	42.48	74.00	-31.52	peak

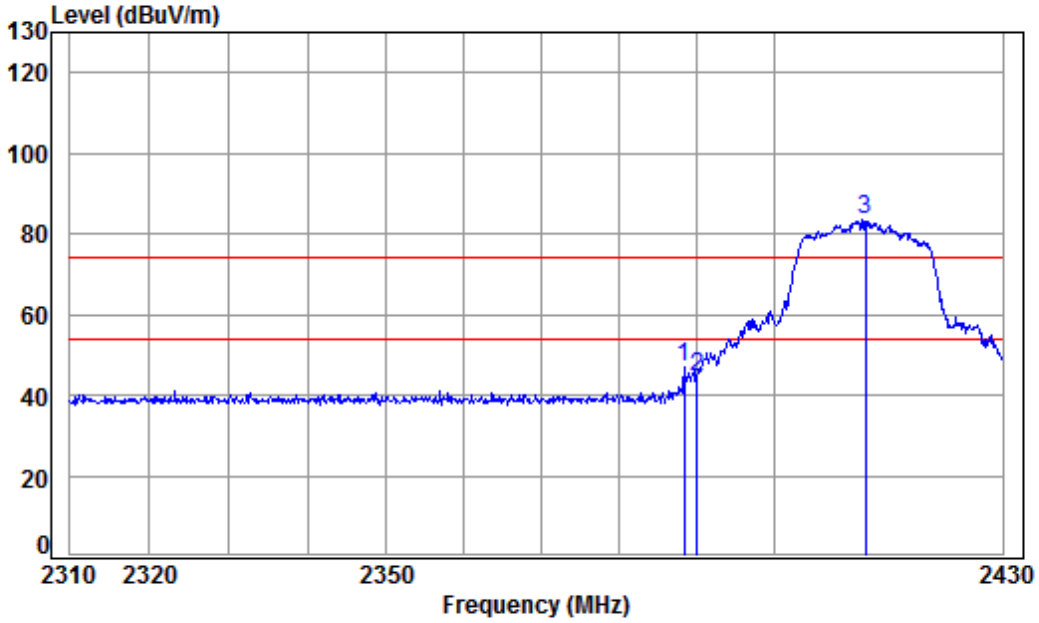
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	2389.605	5.47	28.52	41.87	55.60	47.72	54.00	-6.28	Average
2	2389.605	5.47	28.52	41.87	66.81	58.93	74.00	-15.07	peak
3	2390.000	5.47	28.52	41.87	54.80	46.92	54.00	-7.08	Average
4	2390.000	5.47	28.52	41.87	65.36	57.48	74.00	-16.52	peak
5 pp	2412.000	5.50	28.56	41.88	102.40	94.58	74.00	20.58	peak

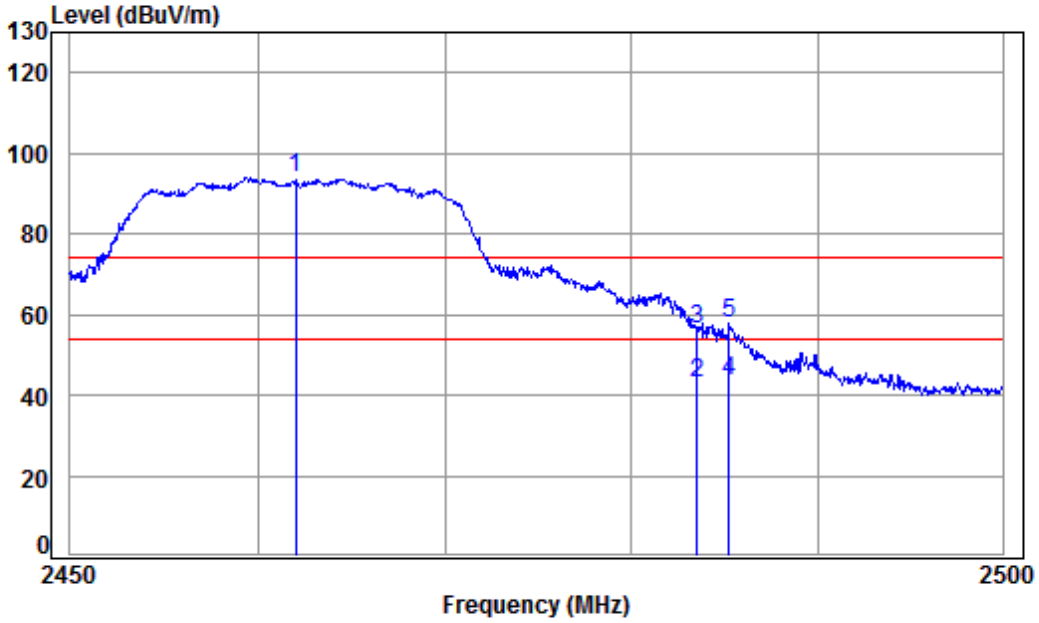
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.395	5.47	28.52	41.87	54.87	46.99	74.00	-27.01	peak
2	2390.000	5.47	28.52	41.87	52.17	44.29	74.00	-29.71	peak
3 pp	2412.000	5.50	28.56	41.88	91.27	83.45	74.00	9.45	peak

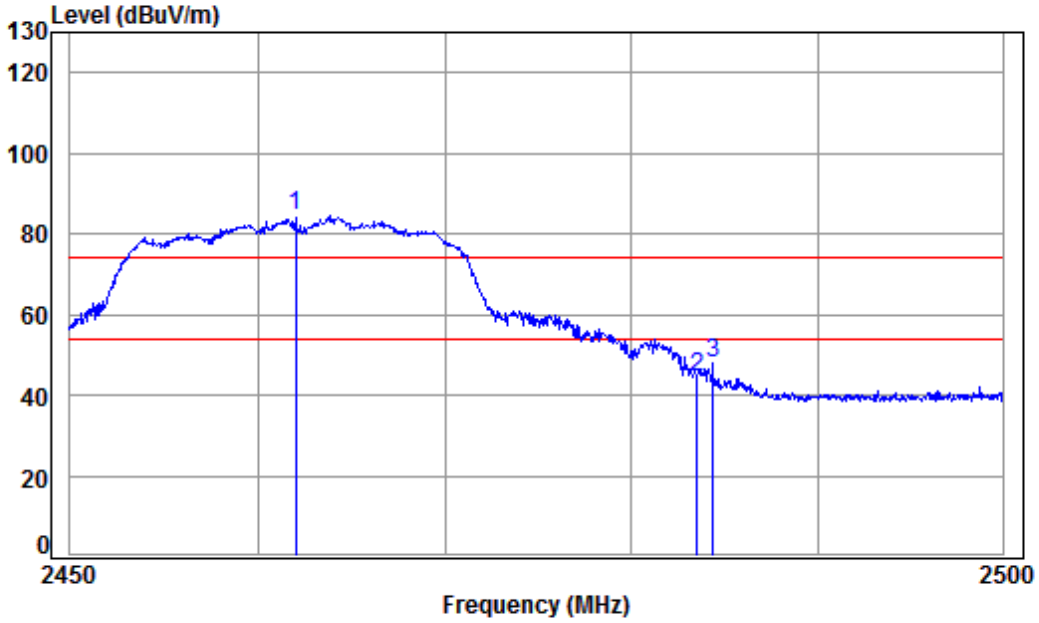
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 2462.000	5.57	28.64	41.90	101.58	93.89	74.00	19.89	peak
2	2483.500	5.60	28.67	41.91	50.60	42.96	54.00	-11.04	Average
3	2483.500	5.60	28.67	41.91	63.90	56.26	74.00	-17.74	peak
4	av 2485.245	5.60	28.68	41.91	51.20	43.57	54.00	-10.43	Average
5	2485.245	5.60	28.68	41.91	65.45	57.82	74.00	-16.18	peak

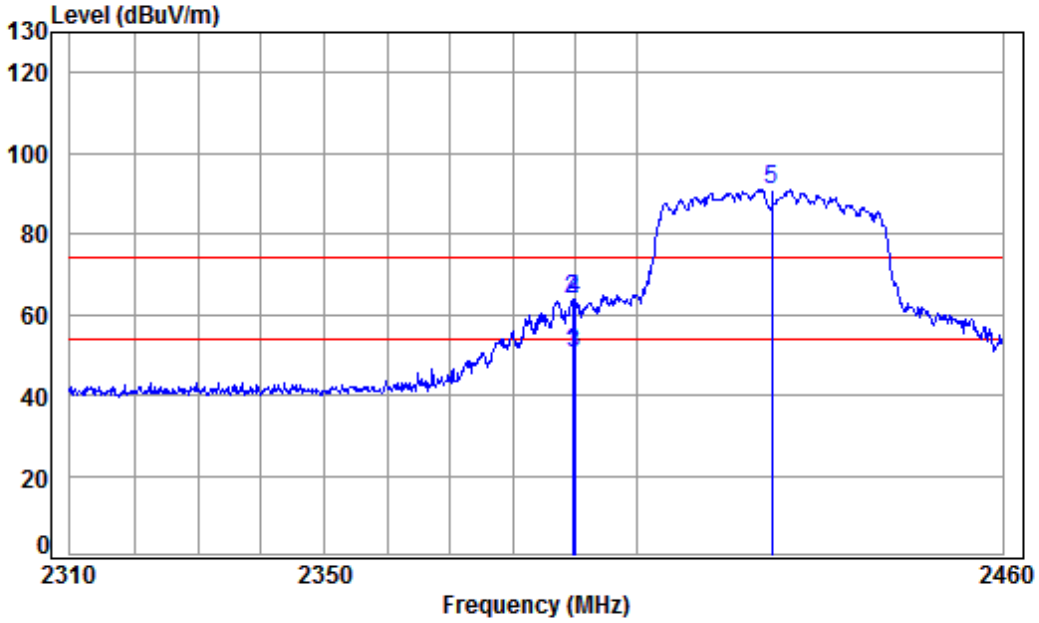
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	91.97	84.28	74.00	10.28	peak
2	2483.500	5.60	28.67	41.91	52.37	44.73	74.00	-29.27	peak
3	2484.342	5.60	28.67	41.91	55.53	47.89	74.00	-26.11	peak

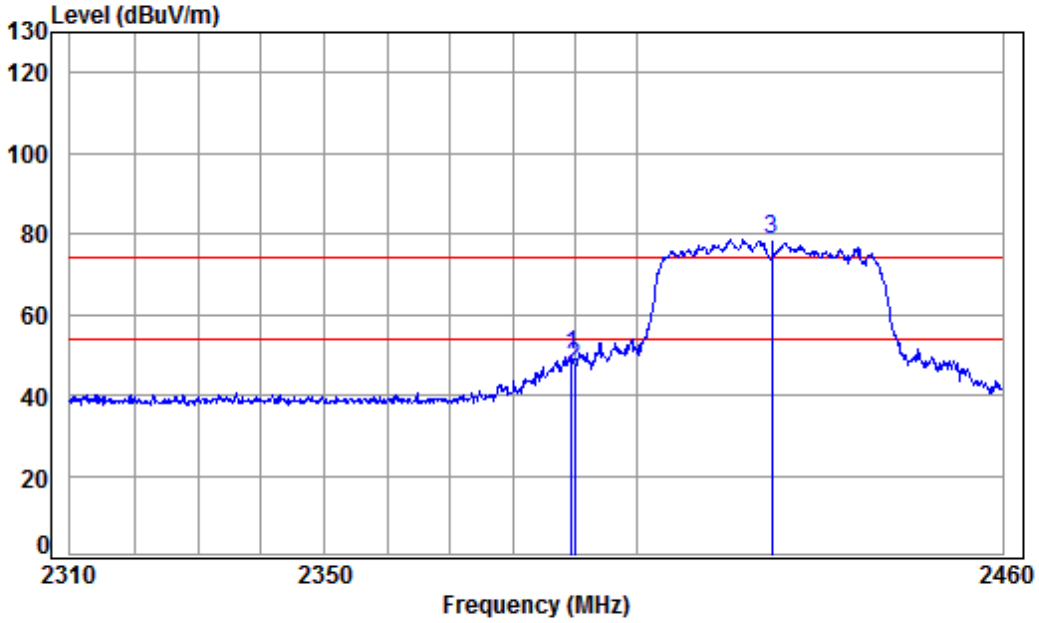
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2422 Band edge
Note : 2.4G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	2389.677	5.47	28.52	41.87	58.50	50.62	54.00	-3.38	Average
2	2389.677	5.47	28.52	41.87	71.73	63.85	74.00	-10.15	peak
3	2390.000	5.47	28.52	41.87	58.20	50.32	54.00	-3.68	Average
4	2390.000	5.47	28.52	41.87	71.72	63.84	74.00	-10.16	peak
5 pp	2422.000	5.52	28.57	41.89	98.88	91.08	74.00	17.08	peak

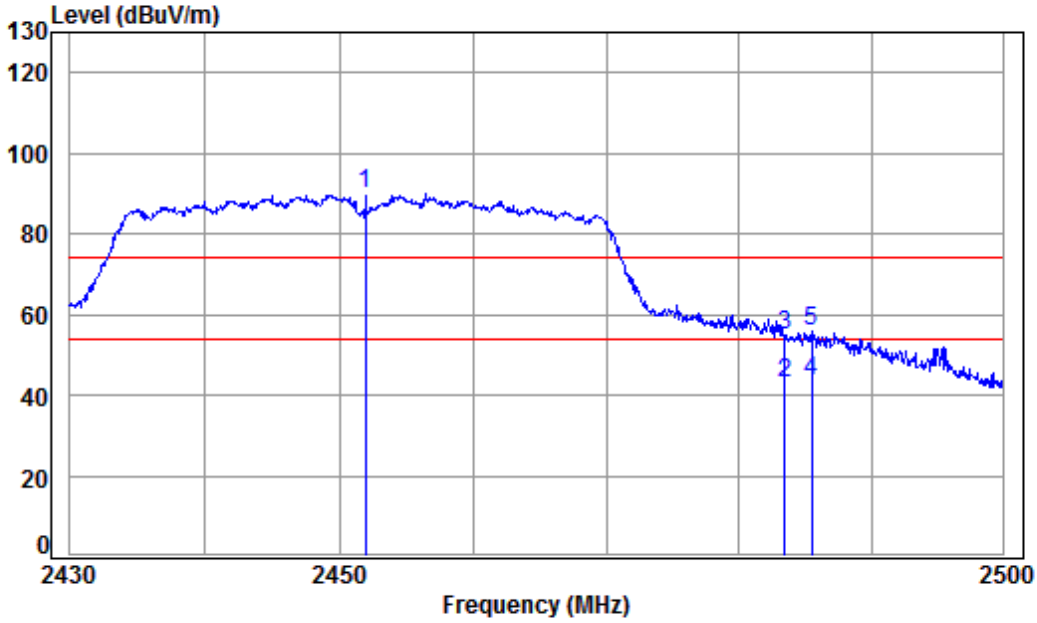
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2422 Band edge
Note : 2.4G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.526	5.47	28.52	41.87	57.89	50.01	74.00	-23.99	peak
2	2390.000	5.47	28.52	41.87	55.08	47.20	74.00	-26.80	peak
3 pp	2422.000	5.52	28.57	41.89	86.22	78.42	74.00	4.42	peak

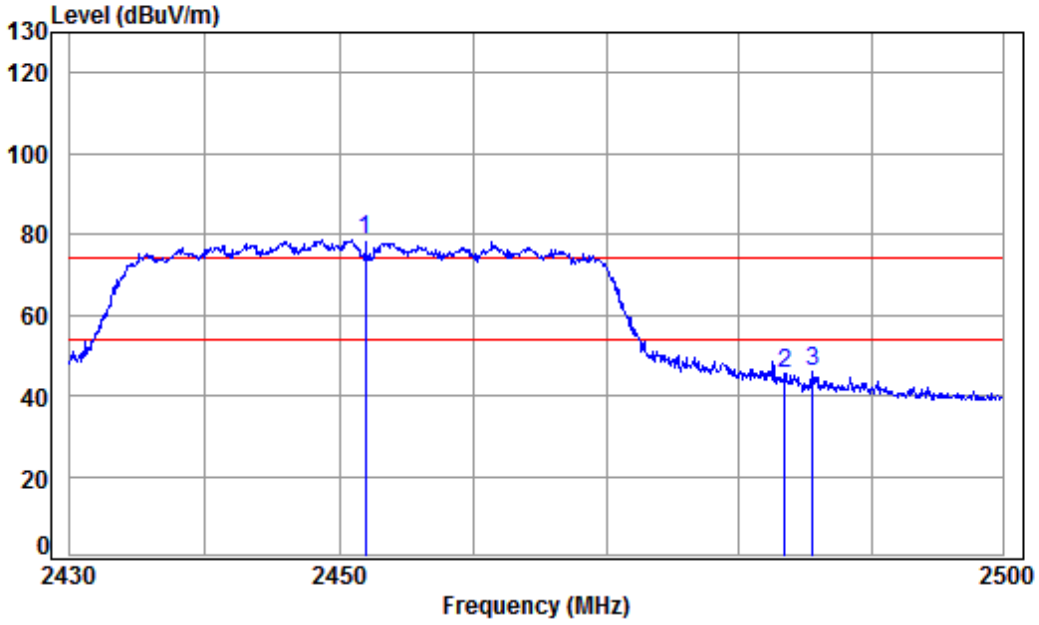
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2452 Band edge
Note : 2.4G WIFI 11N40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2452.000	5.56	28.62	41.90	97.62	89.90	74.00	15.90	peak
2		2483.500	5.60	28.67	41.91	50.60	42.96	54.00	-11.04	Average
3		2483.500	5.60	28.67	41.91	62.54	54.90	74.00	-19.10	peak
4	av	2485.488	5.60	28.68	41.91	51.10	43.47	54.00	-10.53	Average
5		2485.488	5.60	28.68	41.91	63.62	55.99	74.00	-18.01	peak

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High

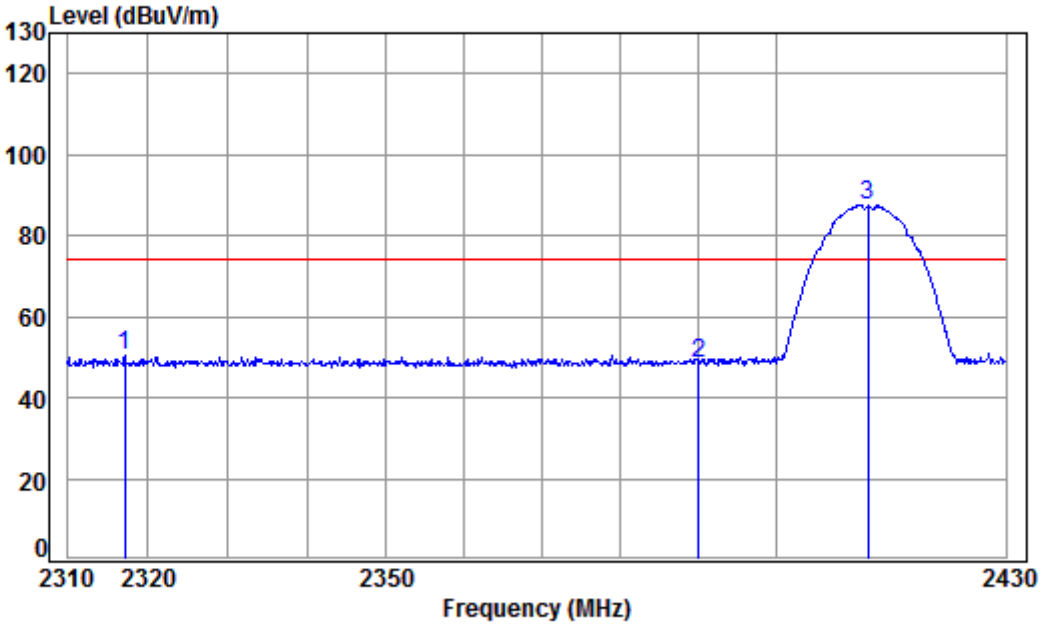


Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2452 Band edge
Note : 2.4G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	5.56	28.62	41.90	86.43	78.71	74.00	4.71	peak
2	2483.500	5.60	28.67	41.91	53.19	45.55	74.00	-28.45	peak
3	2485.558	5.60	28.68	41.91	53.78	46.15	74.00	-27.85	peak

Antenna2:

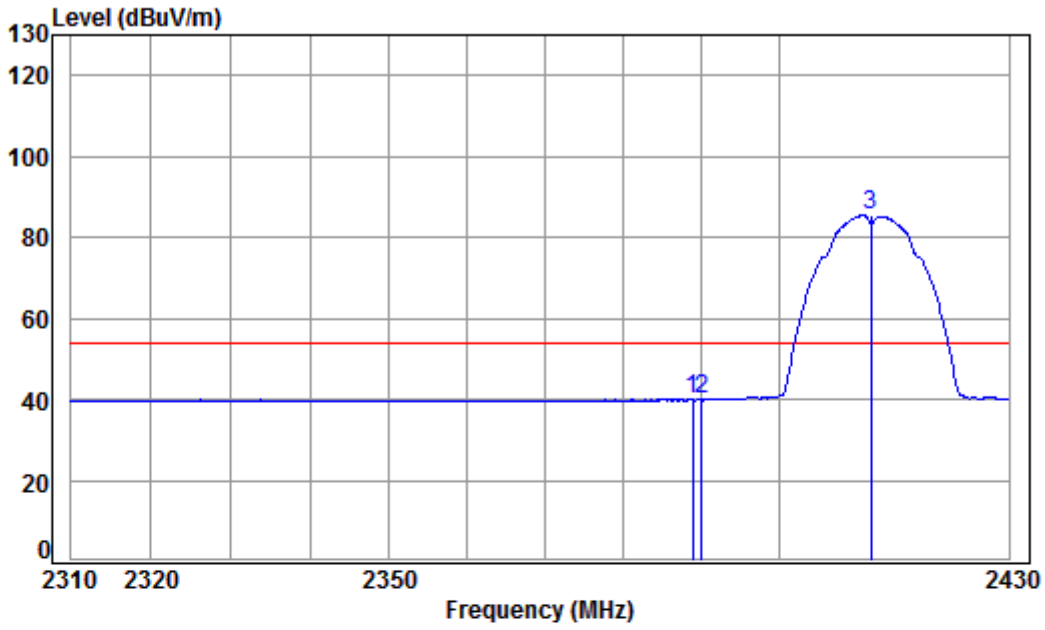
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:Low; Peak Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WiFi 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2317.147	5.37	28.39	41.84	58.35	50.27	74.00	-23.73	peak
2	2390.000	5.47	28.52	41.87	56.36	48.48	74.00	-25.52	peak
3 pp	2412.000	5.50	28.56	41.88	95.30	87.48	74.00	13.48	peak

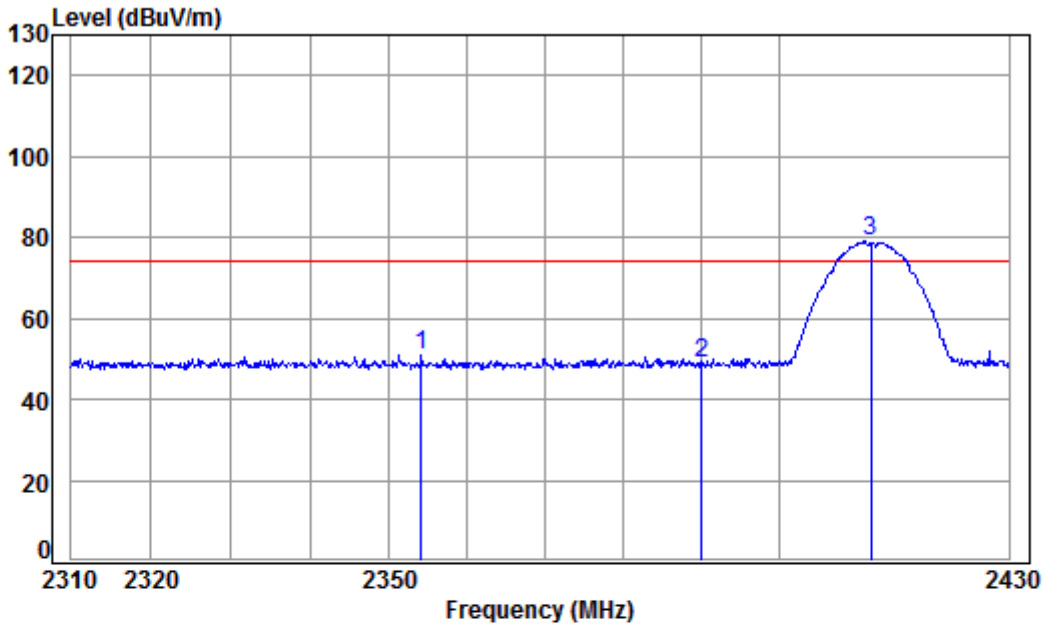
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:Low; Average Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WiFi 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.879	5.47	28.52	41.87	47.87	39.99	54.00	-14.01	Average
2	2390.000	5.47	28.52	41.87	47.69	39.81	54.00	-14.19	Average
3 pp	2412.000	5.50	28.56	41.88	93.23	85.41	54.00	31.41	Average

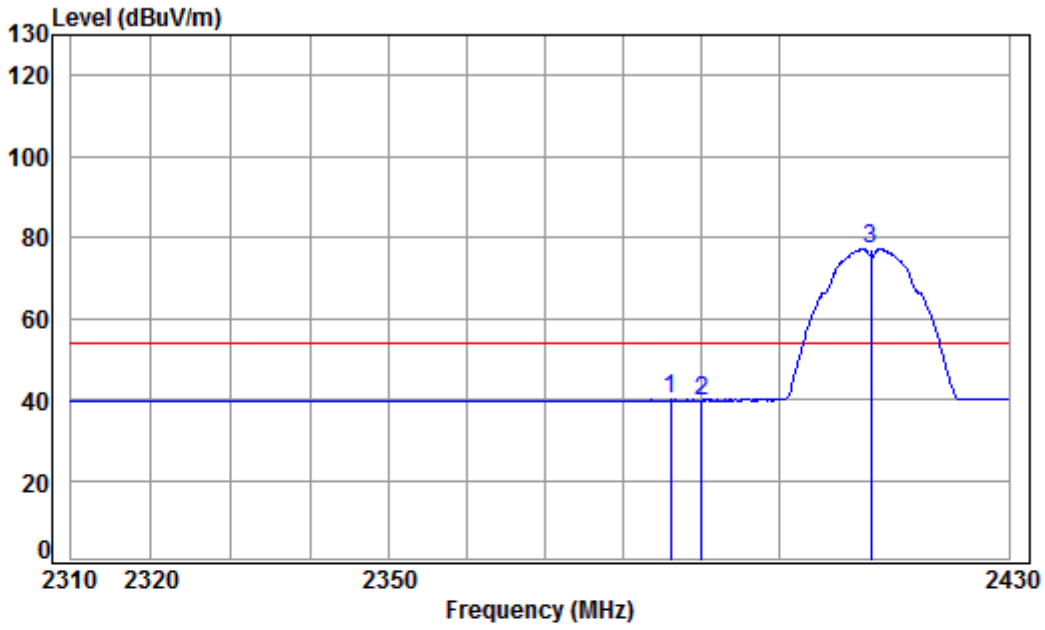
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:Low; Peak Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WiFi 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2354.170	5.43	28.46	41.86	59.04	51.07	74.00	-22.93	Peak
2	2390.000	5.47	28.52	41.87	56.97	49.09	74.00	-24.91	Peak
3 pp	2412.000	5.50	28.56	41.88	86.67	78.85	74.00	4.85	Peak

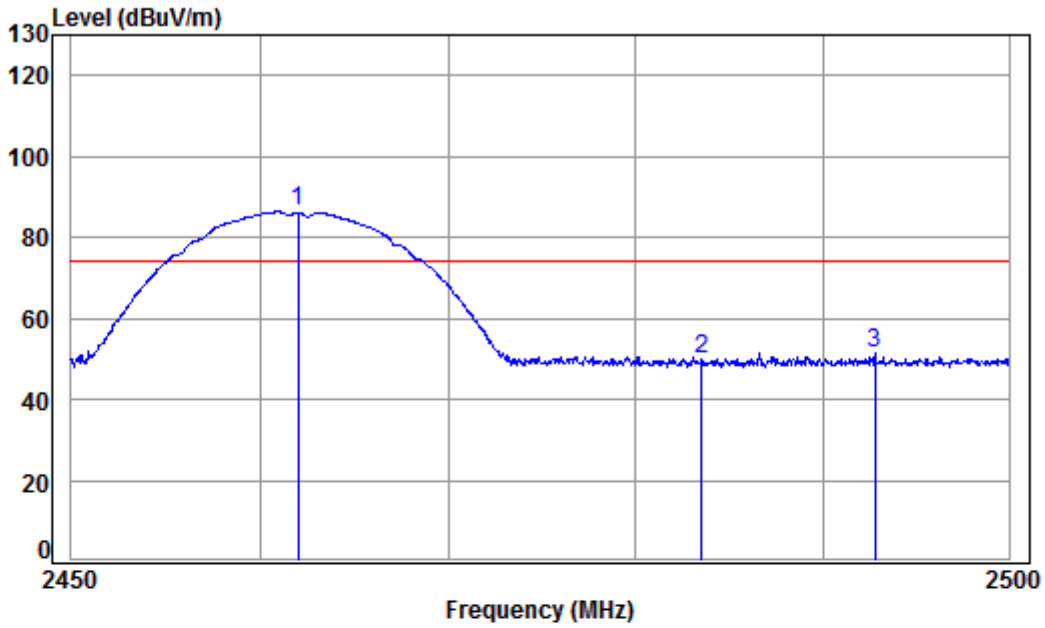
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:Low; Average Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WiFi 11B

	Freq	Cable Loss	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	41.87	47.82	39.93	54.00	-14.07	Average
2	2390.000	5.47	28.52	41.87	47.65	39.77	54.00	-14.23	Average
3 pp	2412.000	5.50	28.56	41.88	84.88	77.06	54.00	23.06	Average

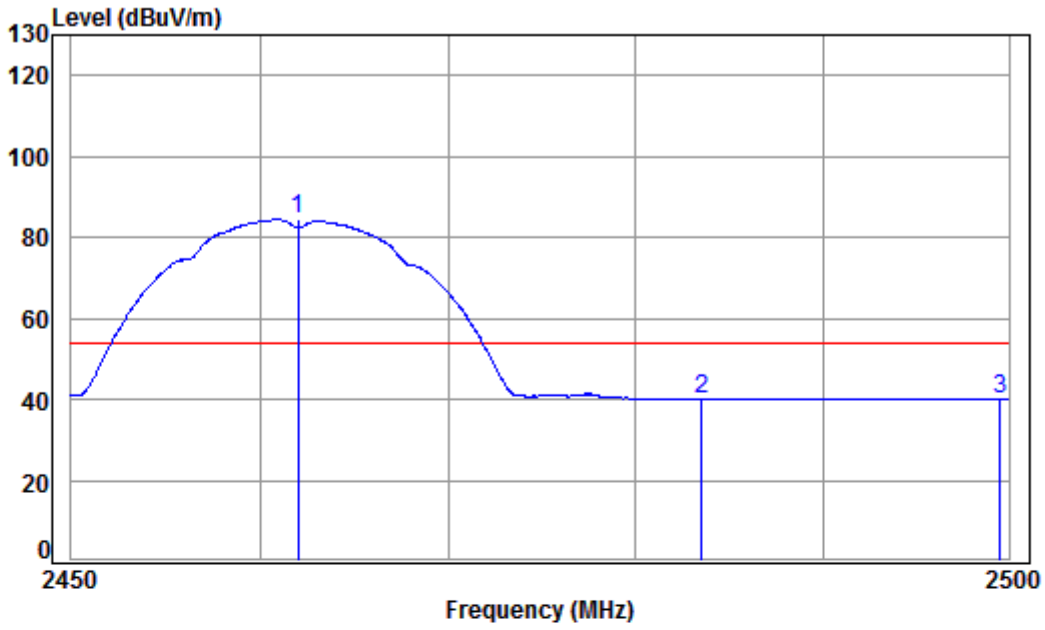
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:High; Peak Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11B

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2462.000	5.57	28.64	41.90	94.06	86.37	74.00	12.37	peak
2		2483.500	5.60	28.67	41.91	57.34	49.70	74.00	-24.30	peak
3		2492.788	5.61	28.69	41.91	59.23	51.62	74.00	-22.38	peak

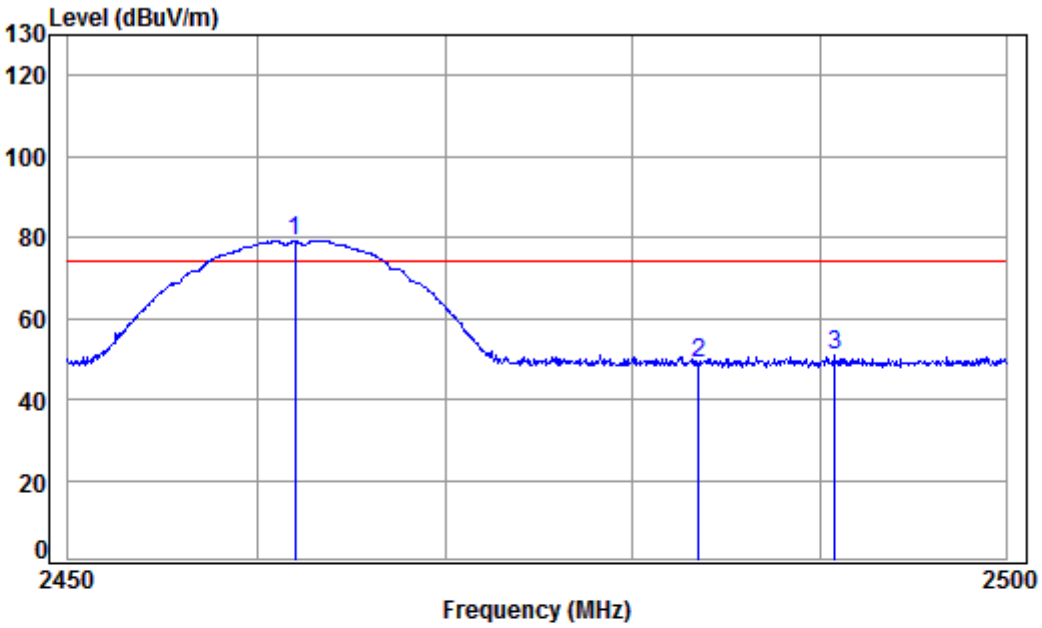
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:High; Average Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11B

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2462.000	5.57	28.64	41.90	92.03	84.34	54.00	30.34	Average
2		2483.500	5.60	28.67	41.91	47.72	40.08	54.00	-13.92	Average
3		2499.545	5.62	28.70	41.92	47.88	40.28	54.00	-13.72	Average

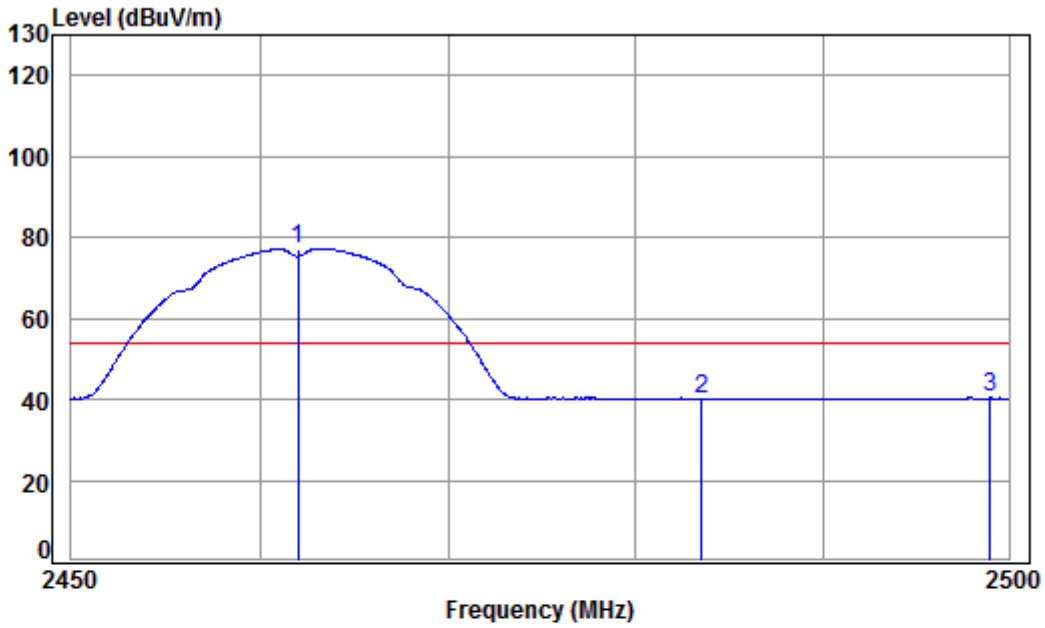
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:High; Peak Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	86.97	79.28	74.00	5.28	Peak
2	2483.500	5.60	28.67	41.91	56.73	49.09	74.00	-24.91	Peak
3	2490.825	5.61	28.69	41.91	58.45	50.84	74.00	-23.16	Peak

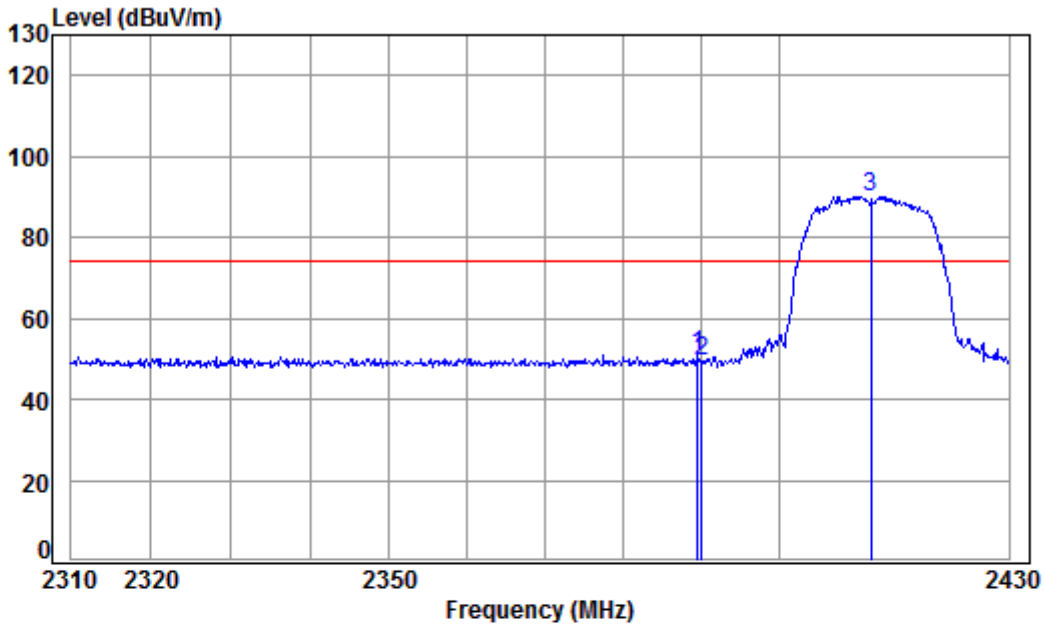
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:High; Average Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	84.96	77.27	54.00	23.27	Average
2	2483.500	5.60	28.67	41.91	47.71	40.07	54.00	-13.93	Average
3	2498.990	5.62	28.70	41.92	48.03	40.43	54.00	-13.57	Average

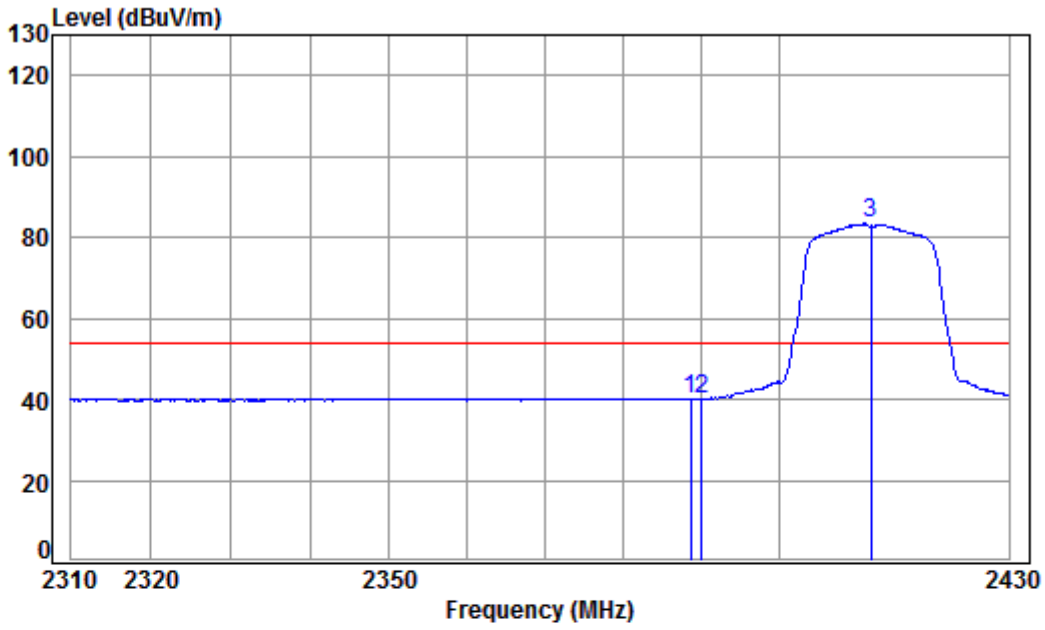
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:Low; Peak Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	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	41.87	58.82	50.94	74.00	-23.06	peak
2	2390.000	5.47	28.52	41.87	57.38	49.50	74.00	-24.50	peak
3 pp	2412.000	5.50	28.56	41.88	97.99	90.17	74.00	16.17	peak

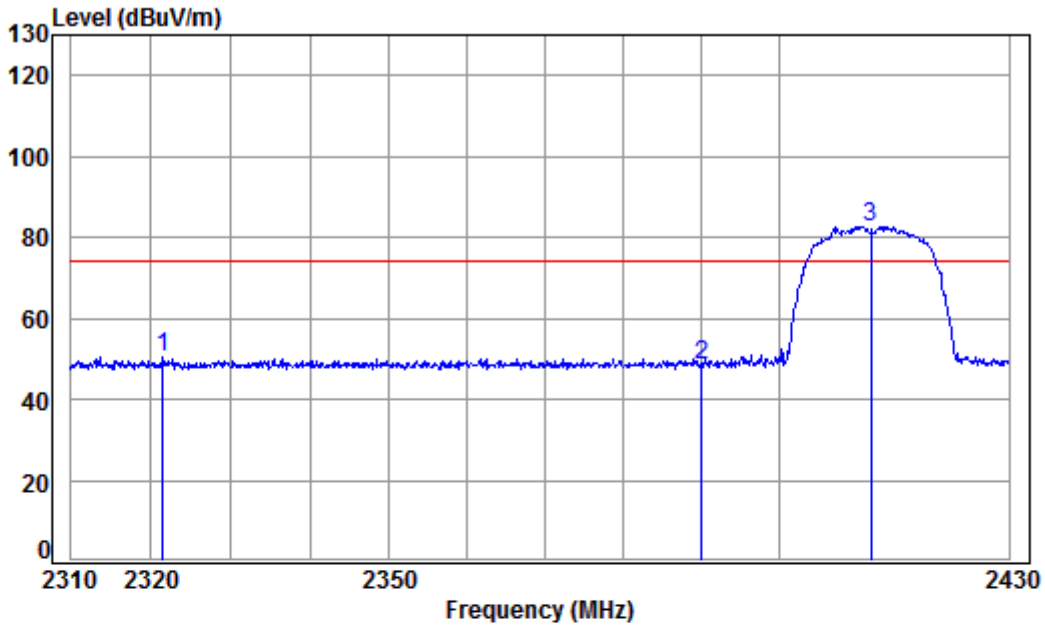
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:Low; Average Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.637	5.47	28.52	41.87	48.10	40.22	54.00	-13.78	Average
2	2390.000	5.47	28.52	41.87	48.01	40.13	54.00	-13.87	Average
3 pp	2412.000	5.50	28.56	41.88	91.15	83.33	54.00	29.33	Average

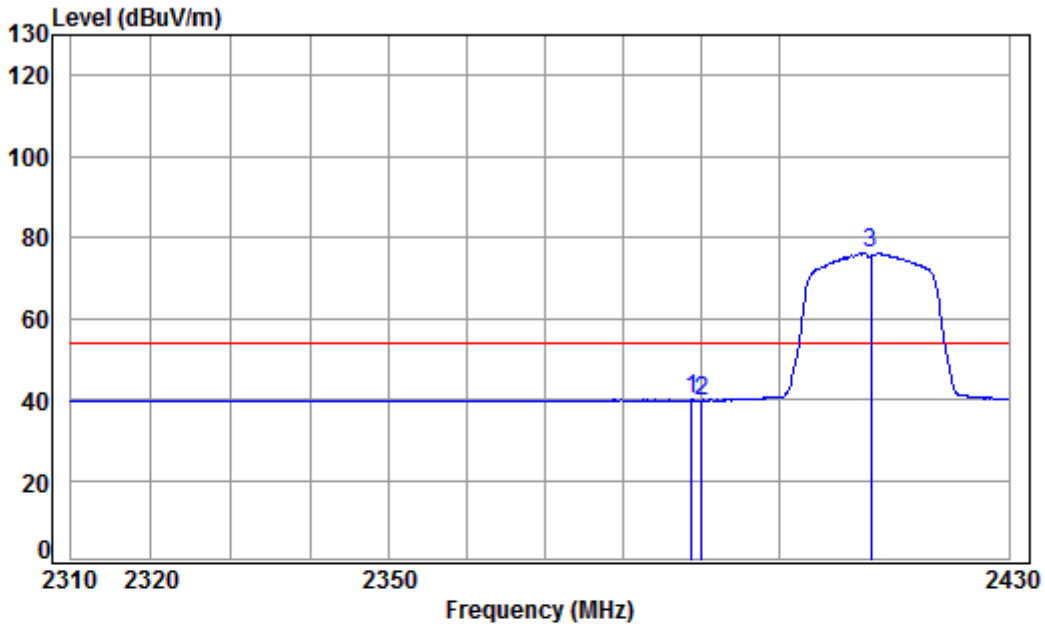
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:Low; Peak Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2321.493	5.38	28.40	41.84	58.32	50.26	74.00	-23.74	Peak
2	2390.000	5.47	28.52	41.87	56.24	48.36	74.00	-25.64	Peak
3 pp	2412.000	5.50	28.56	41.88	90.55	82.73	74.00	8.73	Peak

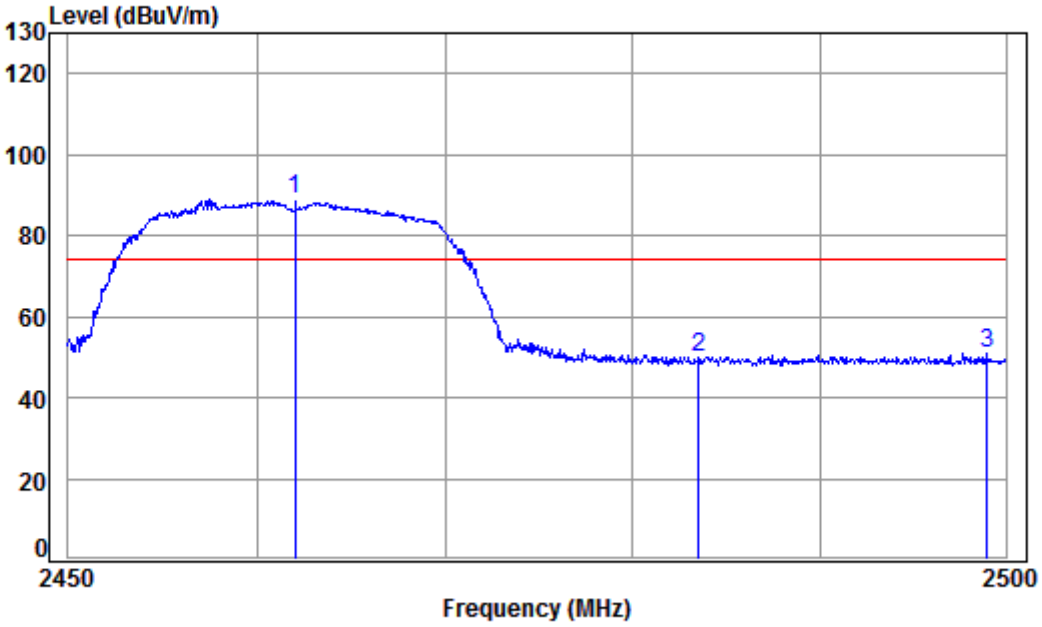
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:Low; Average Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.758	5.47	28.52	41.87	47.76	39.88	54.00	-14.12	Average
2	2390.000	5.47	28.52	41.87	47.61	39.73	54.00	-14.27	Average
3 pp	2412.000	5.50	28.56	41.88	84.01	76.19	54.00	22.19	Average

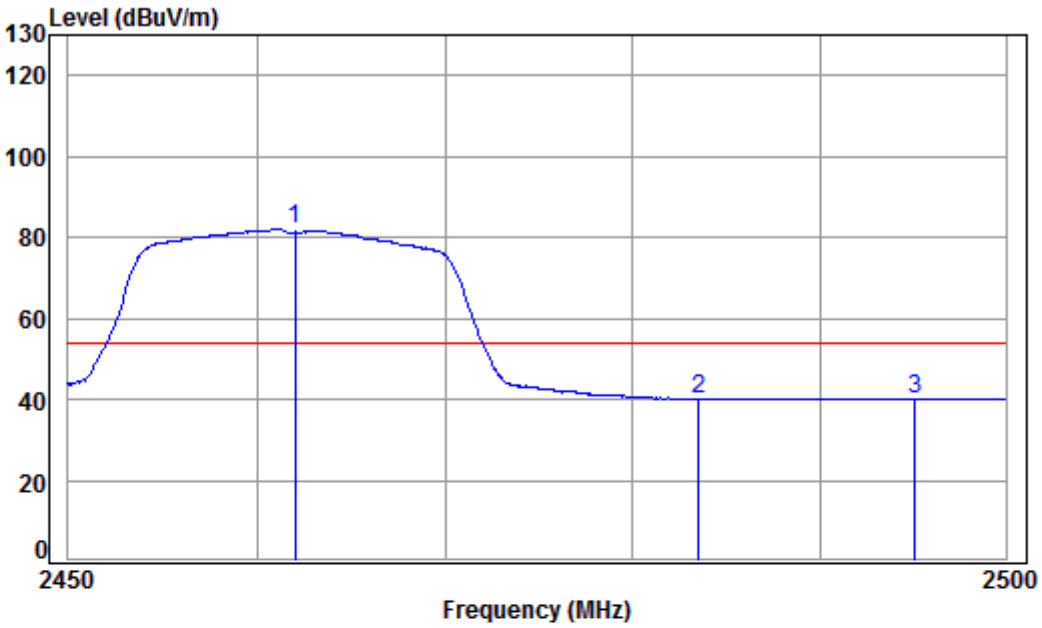
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:High; Peak Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	96.53	88.84	74.00	14.84	peak
2	2483.500	5.60	28.67	41.91	57.54	49.90	74.00	-24.10	peak
3	2498.990	5.62	28.70	41.92	58.65	51.05	74.00	-22.95	peak

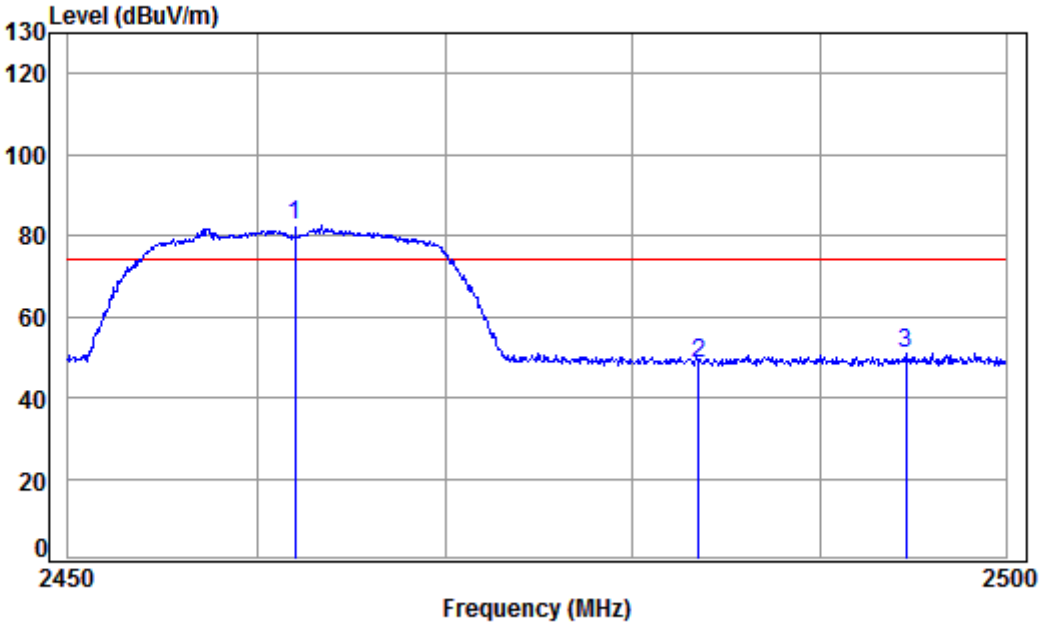
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:High; Average Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11G

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2462.000	5.57	28.64	41.90	89.56	81.87	54.00	27.87	Average
2		2483.500	5.60	28.67	41.91	47.71	40.07	54.00	-13.93	Average
3		2495.106	5.61	28.69	41.92	47.89	40.27	54.00	-13.73	Average

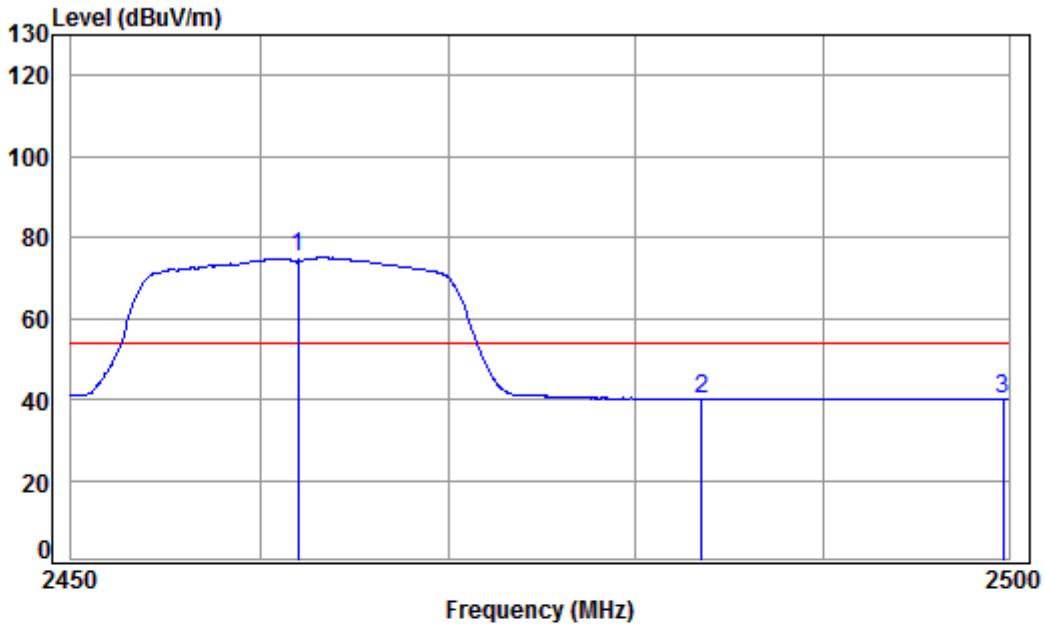
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:High; Peak Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	90.05	82.36	74.00	8.36	Peak
2	2483.500	5.60	28.67	41.91	56.19	48.55	74.00	-25.45	Peak
3	2494.652	5.61	28.69	41.92	58.47	50.85	74.00	-23.15	Peak

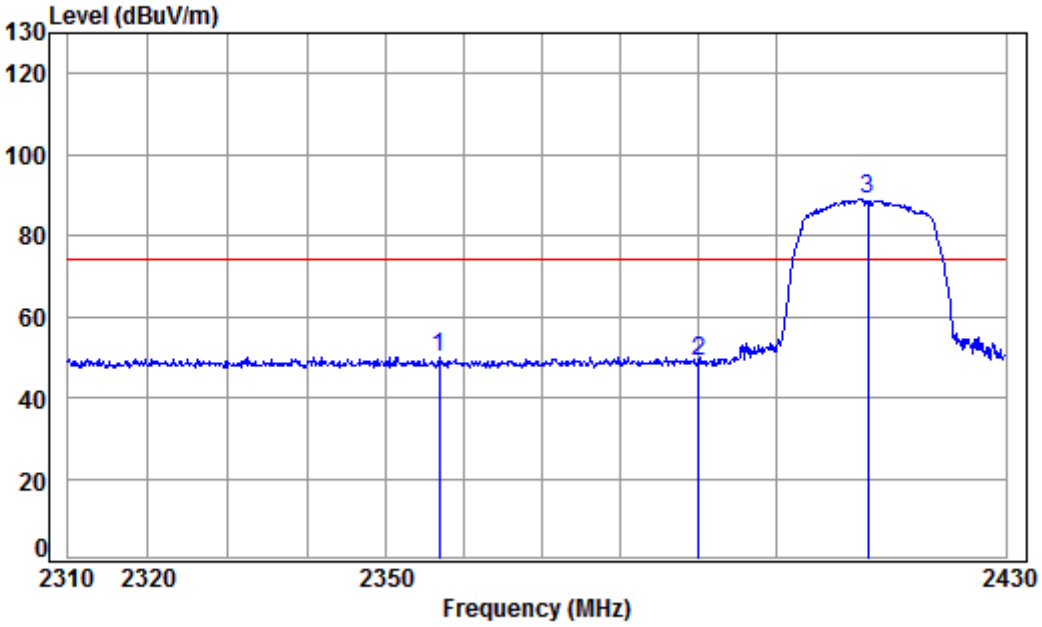
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:High; Average Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	82.73	75.04	54.00	21.04	Average
2	2483.500	5.60	28.67	41.91	47.63	39.99	54.00	-14.01	Average
3	2499.697	5.62	28.70	41.92	47.87	40.27	54.00	-13.73	Average

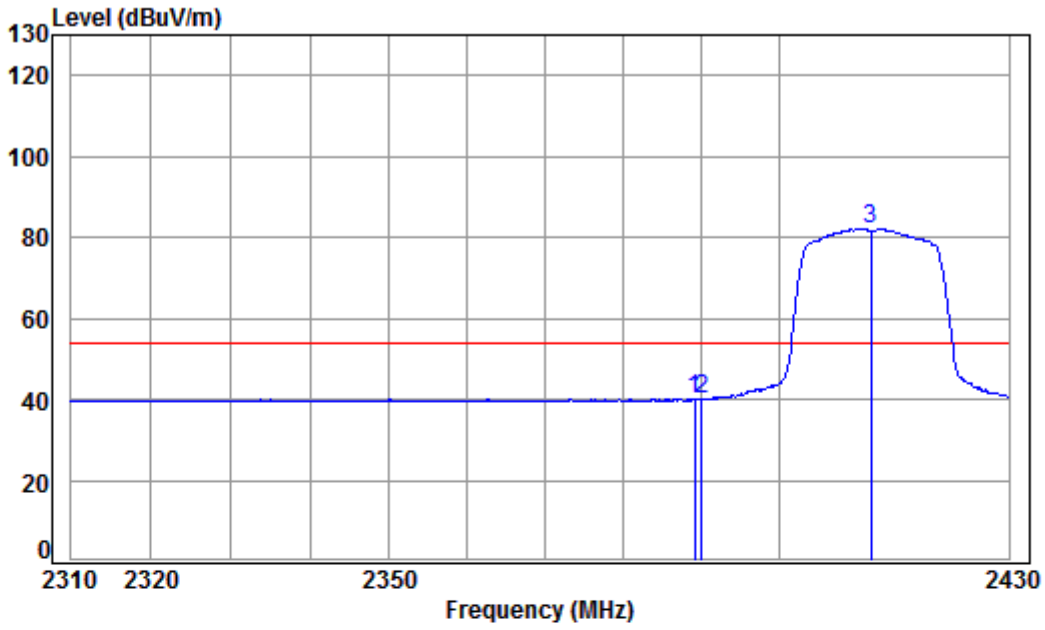
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low; Peak Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2356.794	5.43	28.46	41.86	58.00	50.03	74.00	-23.97	peak
2	2390.000	5.47	28.52	41.87	56.98	49.10	74.00	-24.90	peak
3 pp	2412.000	5.50	28.56	41.88	96.76	88.94	74.00	14.94	peak

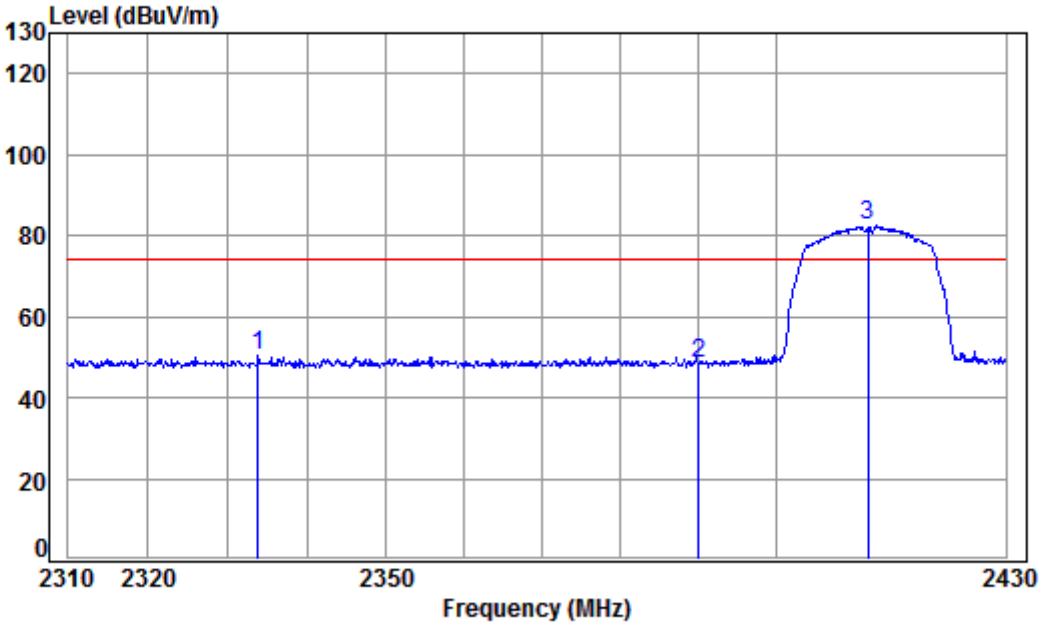
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low; Average Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.121	5.47	28.52	41.87	47.86	39.98	54.00	-14.02	Average
2	2390.000	5.47	28.52	41.87	47.83	39.95	54.00	-14.05	Average
3 pp	2412.000	5.50	28.56	41.88	90.10	82.28	54.00	28.28	Average

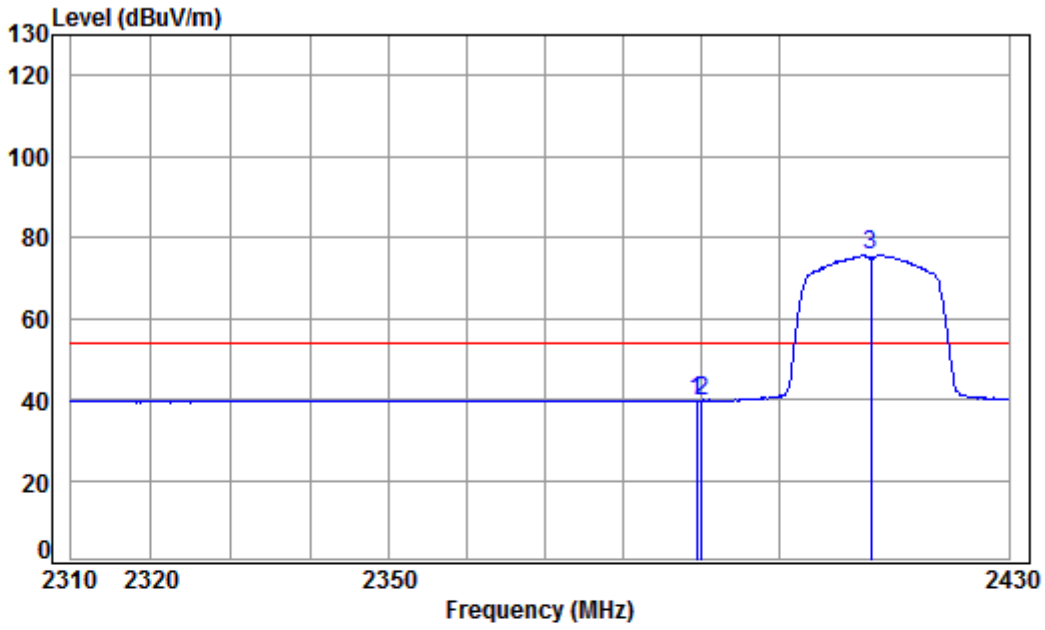
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low; Peak Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2333.871	5.40	28.42	41.85	58.22	50.19	74.00	-23.81	Peak
2	2390.000	5.47	28.52	41.87	56.38	48.50	74.00	-25.50	Peak
3 pp	2412.000	5.50	28.56	41.88	90.25	82.43	74.00	8.43	Peak

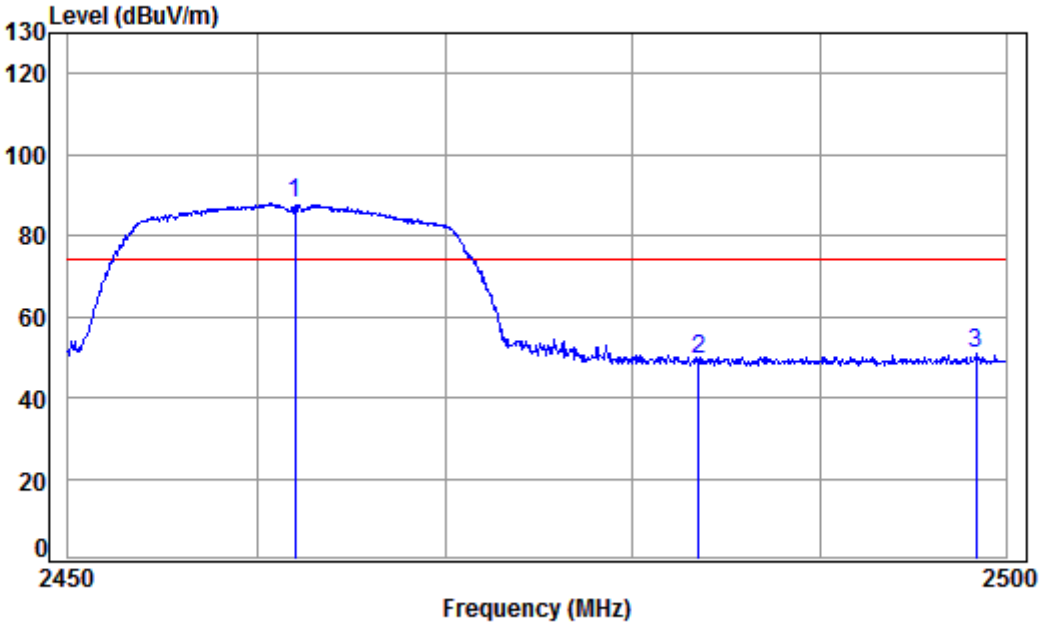
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low; Average Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 Band edge
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.363	5.47	28.52	41.87	47.66	39.78	54.00	-14.22	Average
2	2390.000	5.47	28.52	41.87	47.53	39.65	54.00	-14.35	Average
3 pp	2412.000	5.50	28.56	41.88	83.37	75.55	54.00	21.55	Average

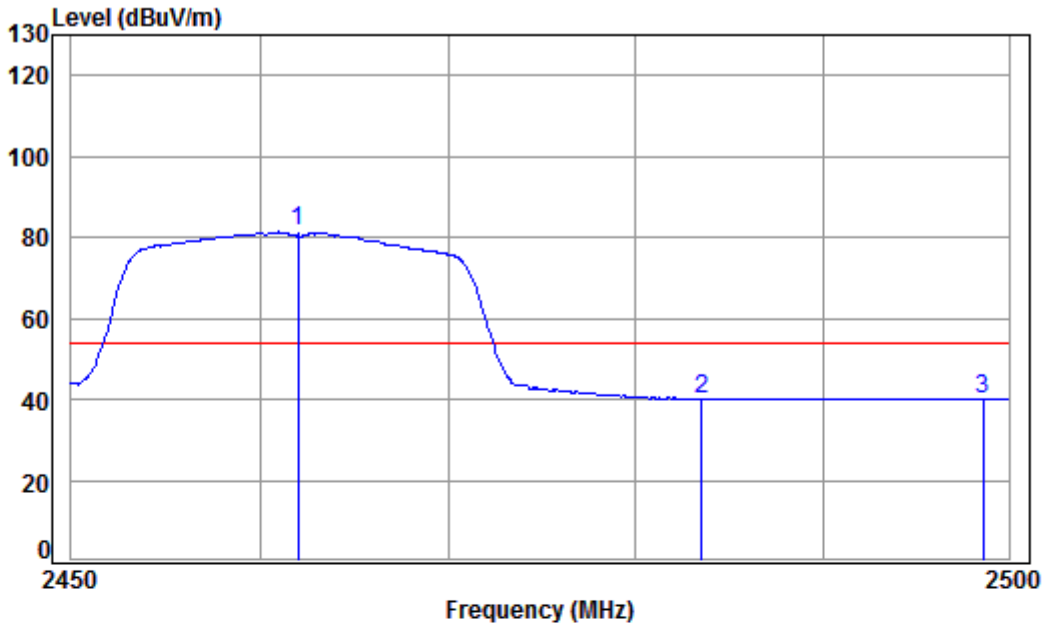
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High; Peak Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	95.55	87.86	74.00	13.86	peak
2	2483.500	5.60	28.67	41.91	57.12	49.48	74.00	-24.52	peak
3	2498.384	5.62	28.70	41.92	58.61	51.01	74.00	-22.99	peak

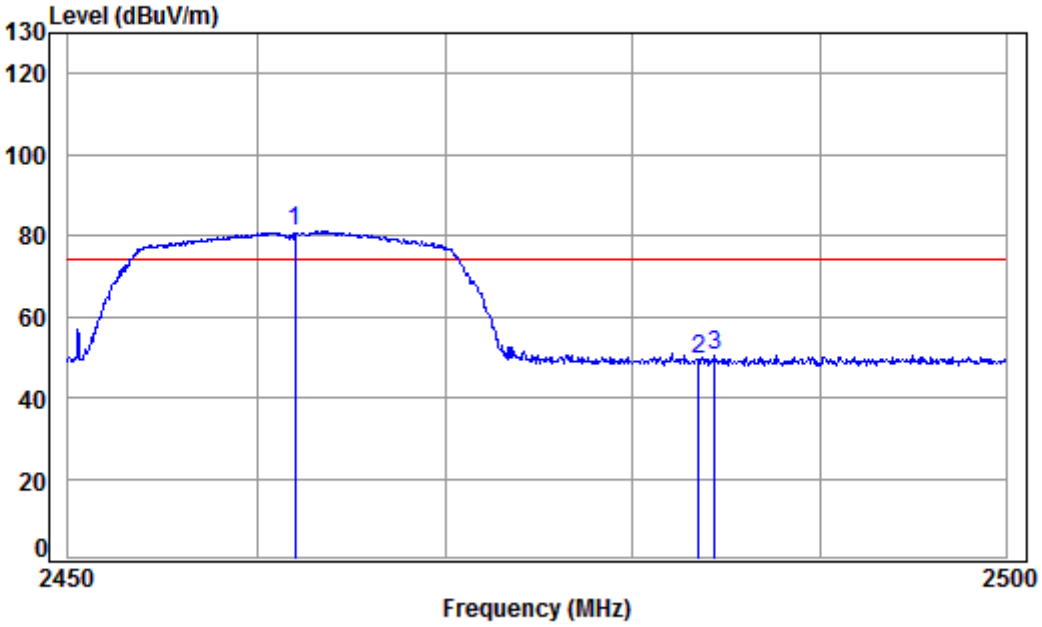
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High; Average Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11N 20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2462.000	5.57	28.64	41.90	89.04	81.35	54.00	27.35	Average
2		2483.500	5.60	28.67	41.91	47.72	40.08	54.00	-13.92	Average
3		2498.586	5.62	28.70	41.92	47.86	40.26	54.00	-13.74	Average

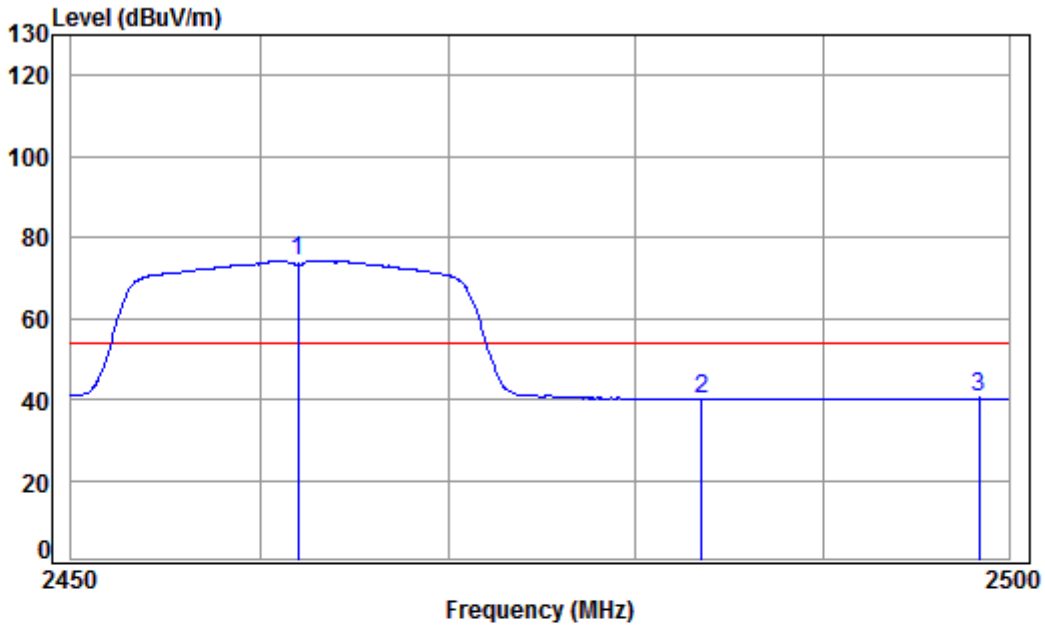
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High; Peak Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	88.63	80.94	74.00	6.94	Peak
2	2483.500	5.60	28.67	41.91	56.98	49.34	74.00	-24.66	Peak
3	2484.342	5.60	28.67	41.91	58.23	50.59	74.00	-23.41	Peak

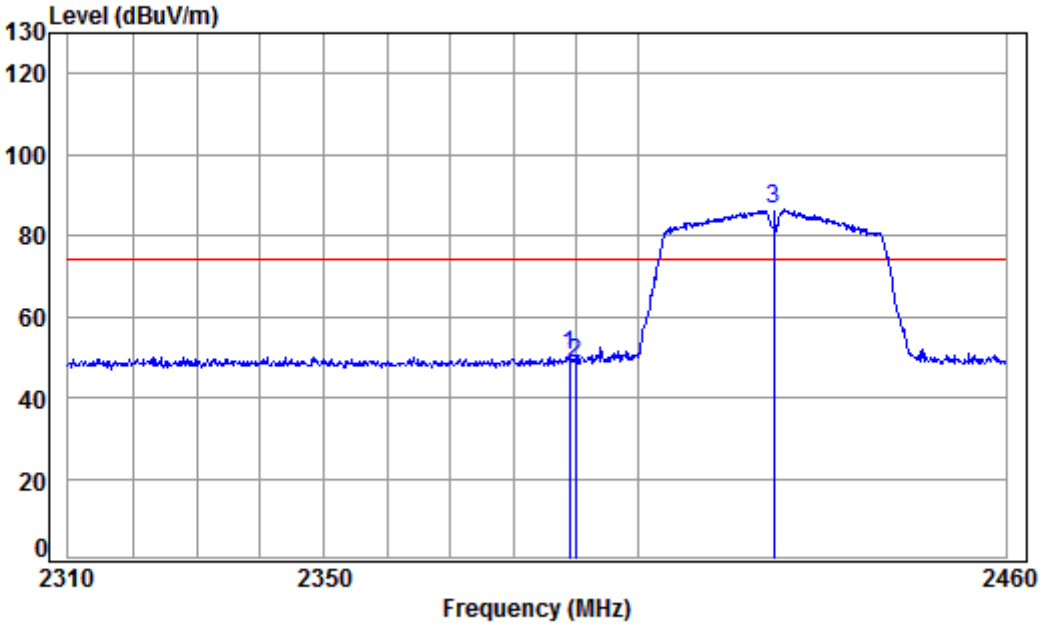
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High; Average Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 Band edge
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	5.57	28.64	41.90	82.05	74.36	54.00	20.36	Average
2	2483.500	5.60	28.67	41.91	47.56	39.92	54.00	-14.08	Average
3	2498.384	5.62	28.70	41.92	47.96	40.36	54.00	-13.64	Average

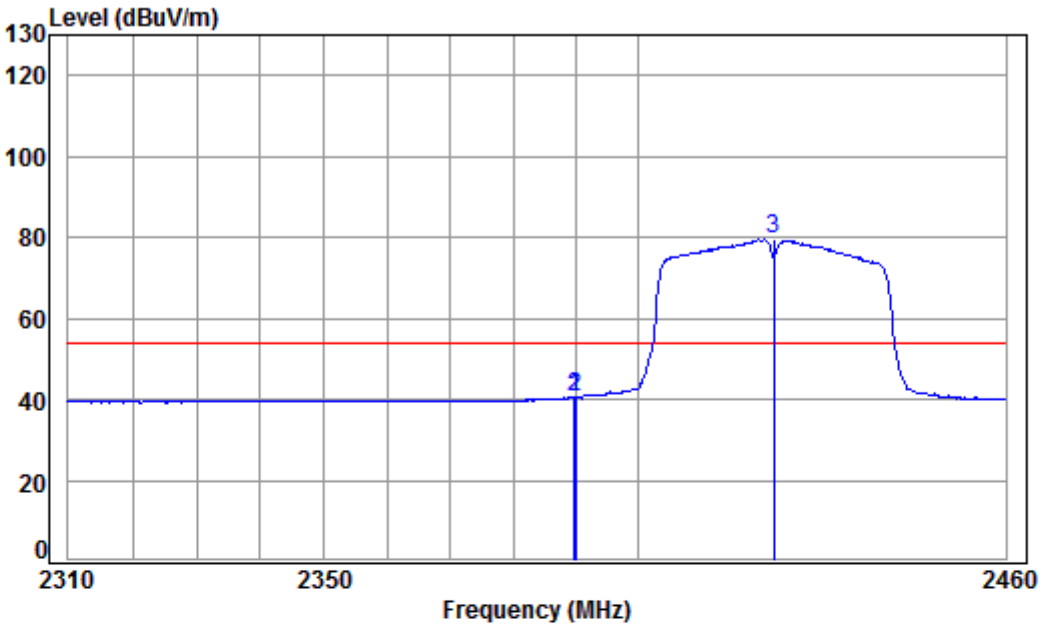
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low; Peak Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2422 Band edge
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.075	5.47	28.52	41.87	58.38	50.50	74.00	-23.50	peak
2	2390.000	5.47	28.52	41.87	56.12	48.24	74.00	-25.76	peak
3 pp	2422.000	5.52	28.57	41.89	94.06	86.26	74.00	12.26	peak

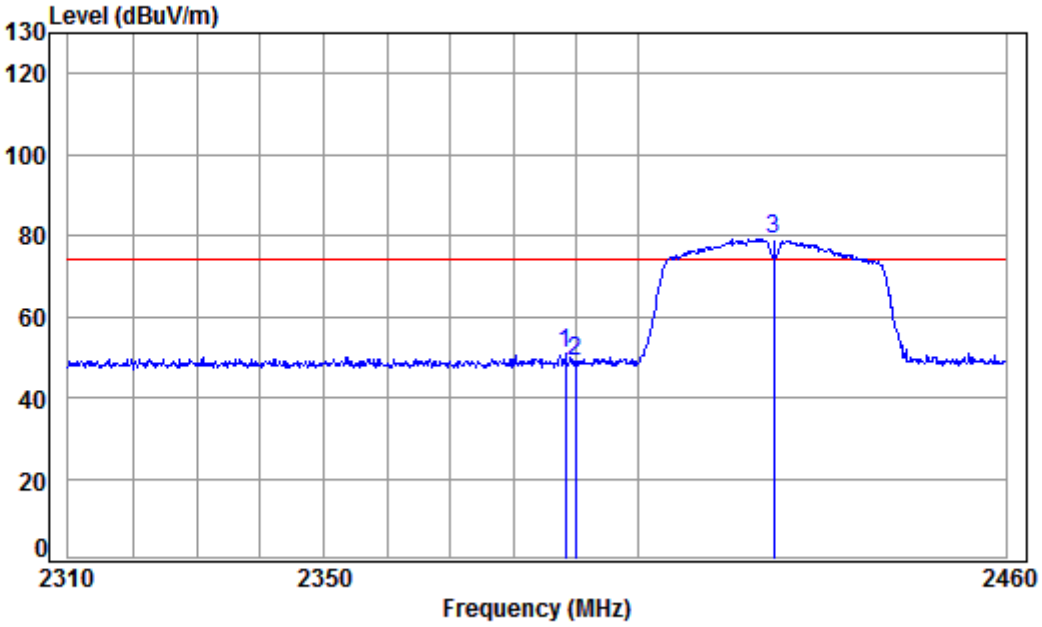
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low; Average Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2422 Band edge
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.827	5.47	28.52	41.87	48.47	40.59	54.00	-13.41	Average
2	2390.000	5.47	28.52	41.87	48.34	40.46	54.00	-13.54	Average
3 pp	2422.000	5.52	28.57	41.89	87.29	79.49	54.00	25.49	Average

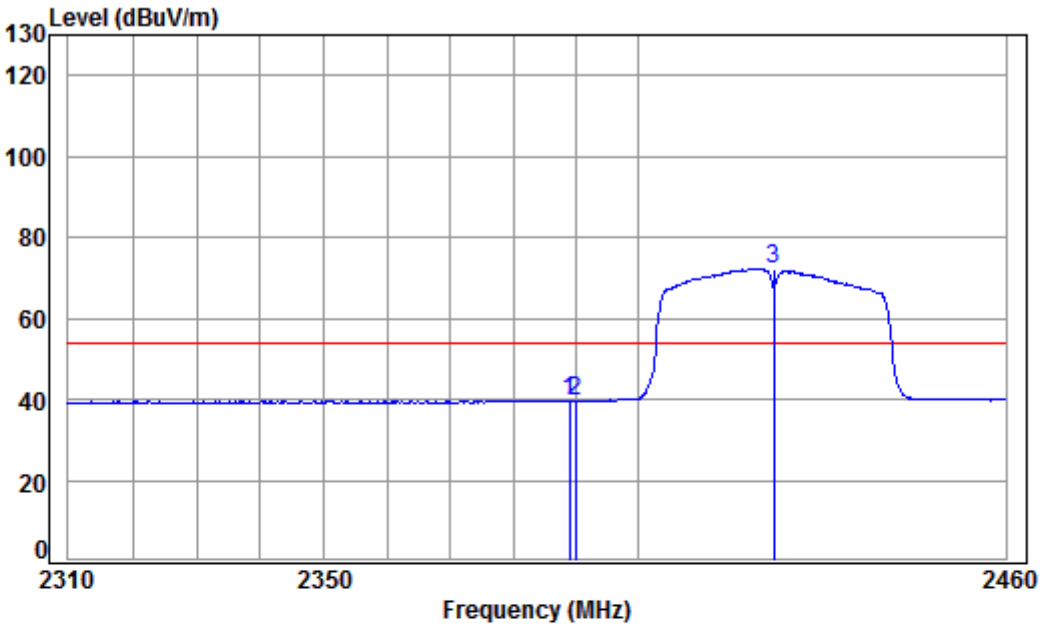
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low; Peak Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2422 Band edge
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.324	5.47	28.52	41.87	58.70	50.82	74.00	-23.18	Peak
2	2390.000	5.47	28.52	41.87	56.67	48.79	74.00	-25.21	Peak
3 pp	2422.000	5.52	28.57	41.89	86.74	78.94	74.00	4.94	Peak

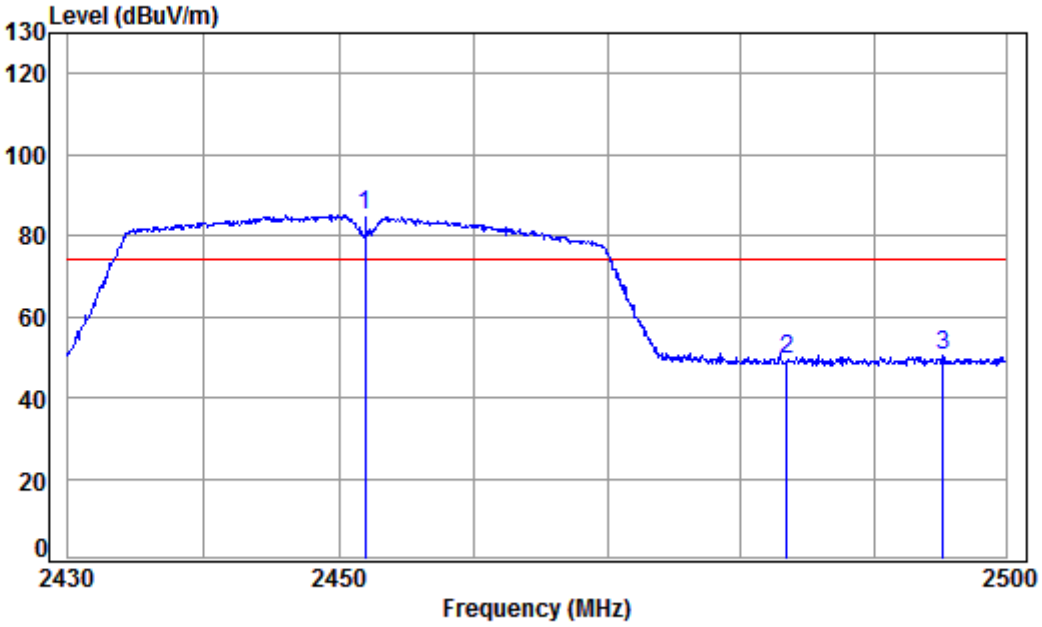
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low; Average Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2422 Band edge
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.075	5.47	28.52	41.87	47.54	39.66	54.00	-14.34	Average
2	2390.000	5.47	28.52	41.87	47.51	39.63	54.00	-14.37	Average
3 pp	2422.000	5.52	28.57	41.89	80.15	72.35	54.00	18.35	Average

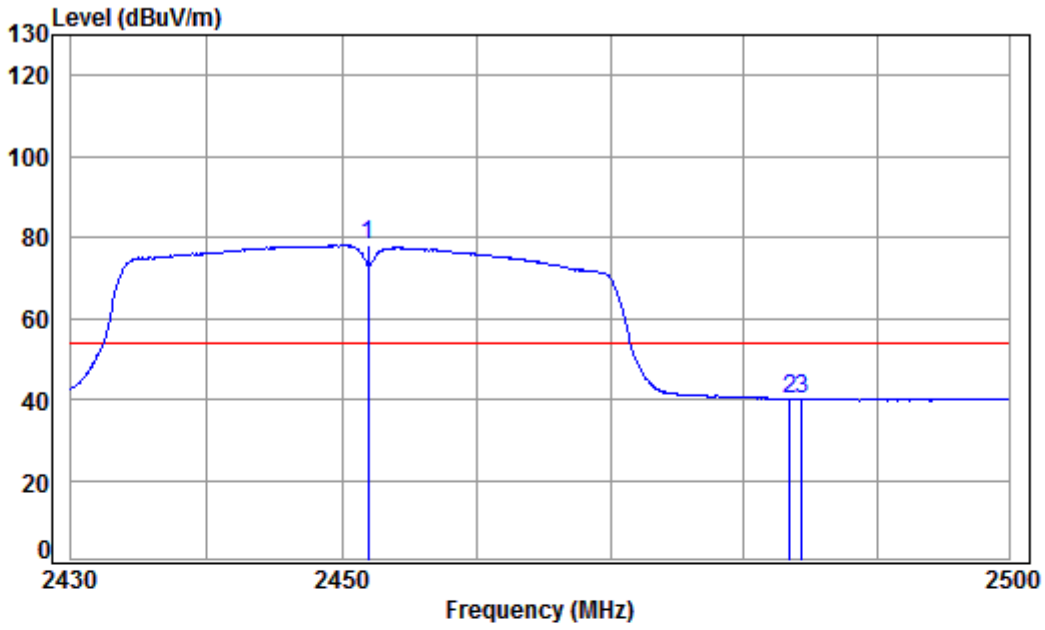
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High; Peak Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2452 Band edge
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	5.56	28.62	41.90	92.66	84.94	74.00	10.94	peak
2	2483.500	5.60	28.67	41.91	57.14	49.50	74.00	-24.50	peak
3	2495.248	5.61	28.69	41.92	57.96	50.34	74.00	-23.66	peak

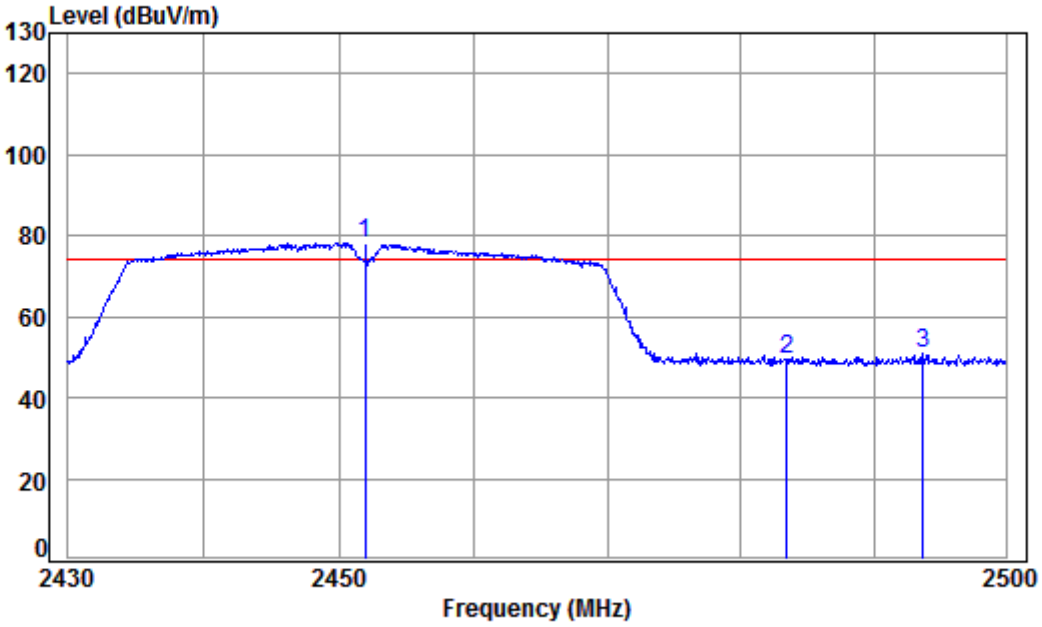
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High; Average Detector



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2452 Band edge
Note : 2.4G WIFI 11N 40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	2452.000	5.56	28.62	41.90	85.70	77.98	54.00	23.98	Average
2		2483.500	5.60	28.67	41.91	47.80	40.16	54.00	-13.84	Average
3		2484.358	5.60	28.67	41.91	47.80	40.16	54.00	-13.84	Average

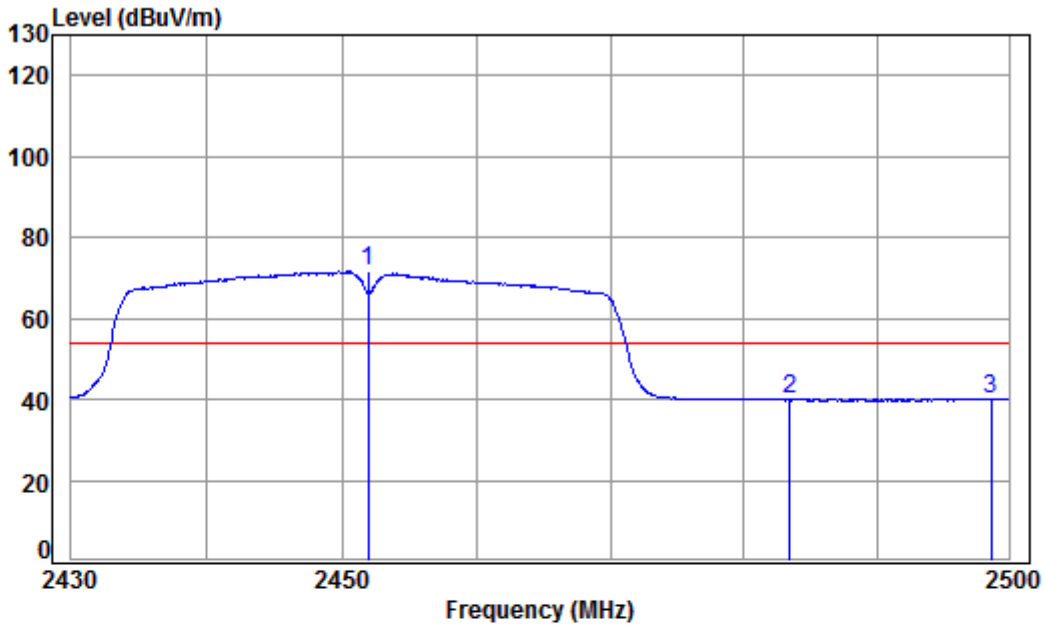
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High; Peak Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2452 Band edge
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	5.56	28.62	41.90	86.01	78.29	74.00	4.29	Peak
2	2483.500	5.60	28.67	41.91	57.30	49.66	74.00	-24.34	Peak
3	2493.760	5.61	28.69	41.91	58.35	50.74	74.00	-23.26	Peak

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High; Average Detector



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2452 Band edge
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	5.56	28.62	41.90	79.23	71.51	54.00	17.51	Average
2	2483.500	5.60	28.67	41.91	47.46	39.82	54.00	-14.18	Average
3	2498.651	5.62	28.70	41.92	47.73	40.13	54.00	-13.87	Average

7.7 Radiated Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.247(d)
Test Method: ANSI C63.10 (2013) Section 6.4,6.5,6.6
Measurement Distance: 3m
Limit:

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

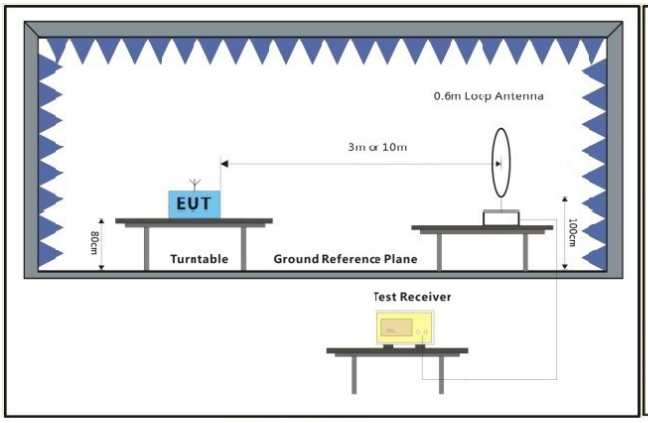
7.7.1 E.U.T. Operation

Operating Environment:

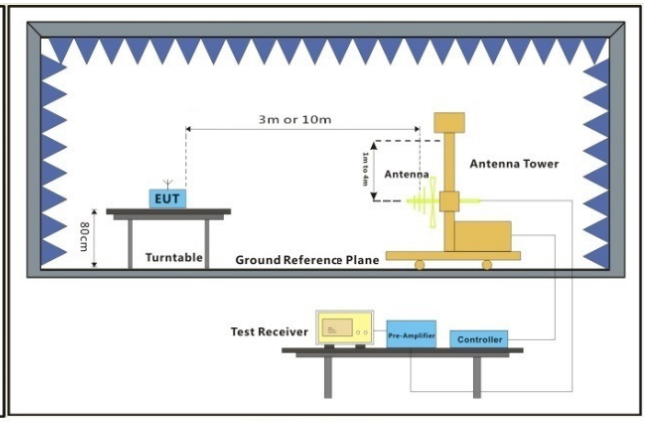
Temperature: 26 °C Humidity: 53.4 % RH Atmospheric Pressure: 1015 mbar

Test mode b:TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40). Only the data of worst case is recorded in the report.

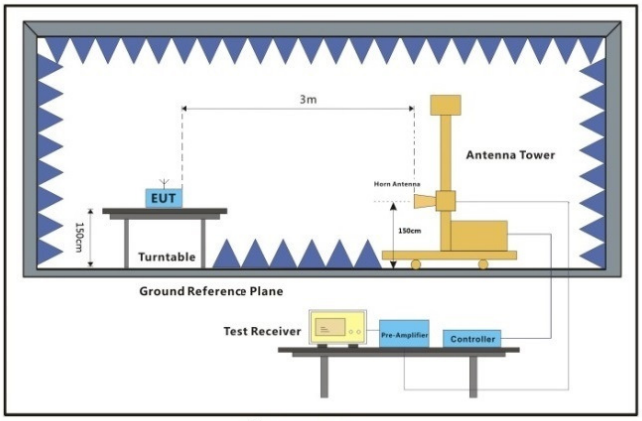
7.7.2 Test Setup Diagram



Below 30MHz



30MHz-1GHz



Above 1GHz

7.7.3 Measurement Procedure and Data

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

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

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

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

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

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

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

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

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

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

Remark:

1) 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:

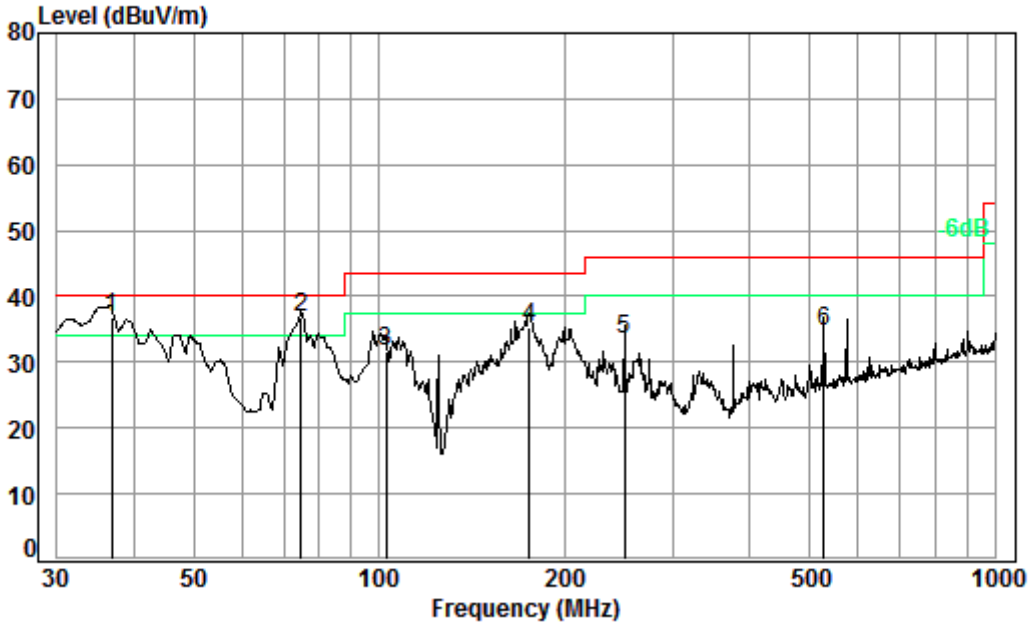
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

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.

Radiated emission below 1GHz

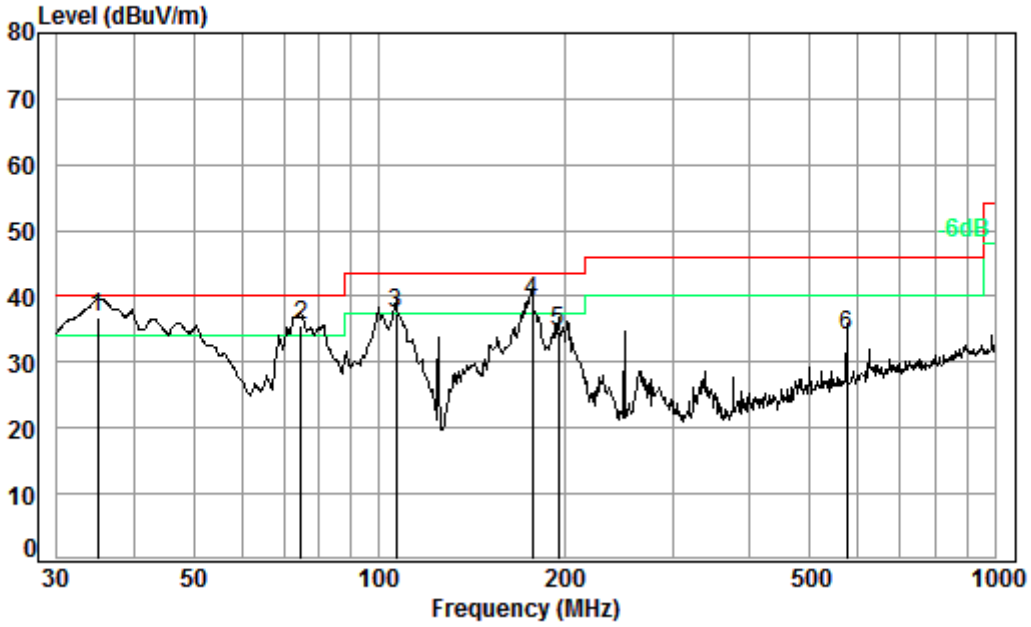
Mode:b ; Horizontal



Condition: 3m HORIZONTAL
Job No. : 03478CR
Test mode: b

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	36.77	0.60	18.97	27.64	44.75	36.68	40.00	-3.32
2	74.66	0.94	12.41	27.51	50.83	36.67	40.00	-3.33
3	102.72	1.21	13.87	27.51	44.22	31.79	43.50	-11.71
4	175.65	1.36	15.82	27.53	45.76	35.41	43.50	-8.09
5	250.30	1.68	18.96	27.54	40.45	33.55	46.00	-12.45
6	528.25	2.63	25.20	27.83	34.72	34.72	46.00	-11.28

Mode:b ;Vertical

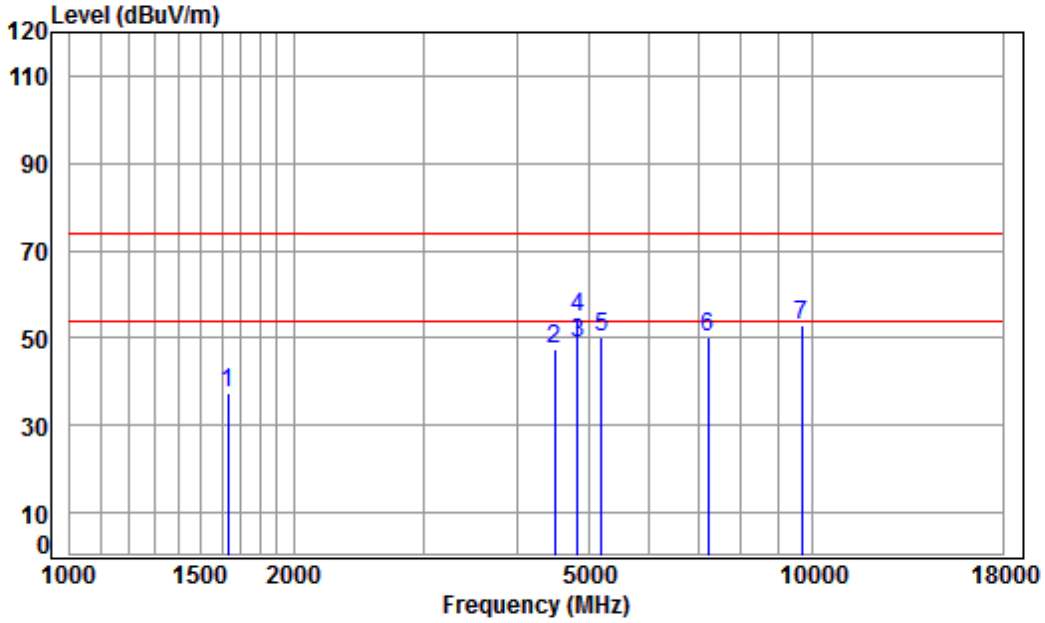


Condition: 3m VERTICAL
Job No. : 03478CR
Test mode: b

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	34.88	0.60	19.88	27.65	44.01	36.84	40.00	-3.16
2	74.66	0.94	12.41	27.51	49.68	35.52	40.00	-4.48
3	106.76	1.22	13.68	27.51	50.04	37.43	43.50	-6.07
4	177.51	1.37	15.85	27.53	49.59	39.28	43.50	-4.22
5	195.82	1.39	16.38	27.53	44.52	34.76	43.50	-8.74
6	574.63	2.68	26.13	27.74	32.90	33.97	46.00	-12.03

Transmitter emission above 1GHz for Antenna1

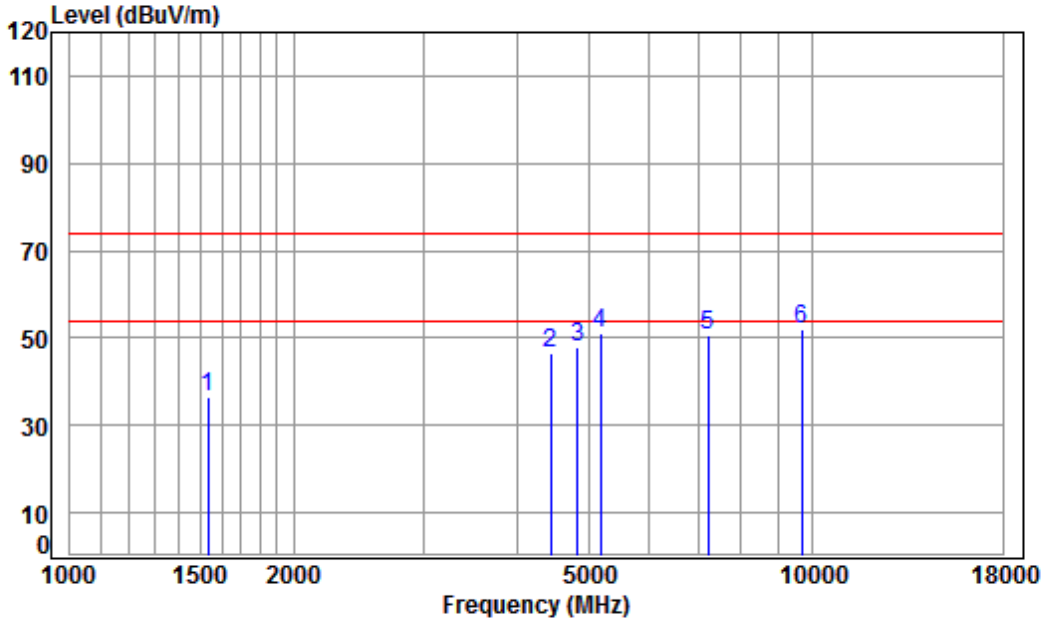
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 TX SE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1634.543	5.31	26.40	41.49	47.17	37.39	74.00	-36.61	peak
2	4495.125	7.55	33.59	42.42	48.88	47.60	74.00	-26.40	peak
3 pp	4824.000	7.92	34.01	42.47	49.41	48.87	54.00	-5.13	Average
4 pk	4824.000	7.91	34.00	42.47	55.17	54.61	74.00	-19.39	peak
5	5194.041	8.39	34.36	42.31	49.85	50.29	74.00	-23.71	peak
6	7236.000	10.07	36.09	40.69	44.92	50.39	74.00	-23.61	peak
7	9648.000	10.77	37.69	37.68	42.17	52.95	74.00	-21.05	peak

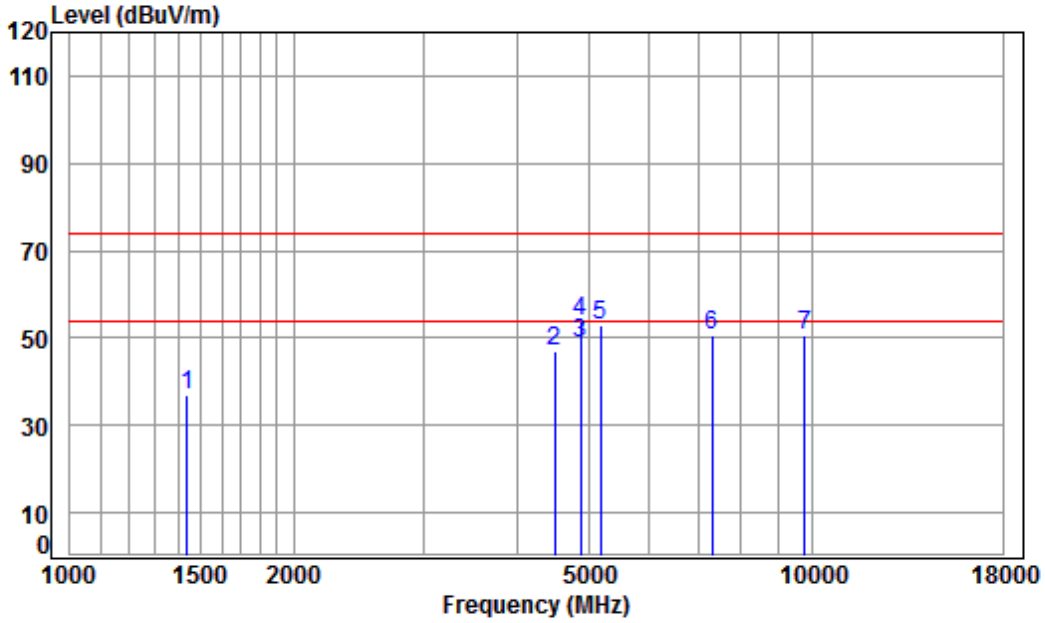
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 TX SE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1533.841	5.44	25.96	41.43	46.59	36.56	74.00	-37.44	peak
2	4430.628	7.48	33.48	42.41	48.12	46.67	74.00	-27.33	peak
3	4824.000	7.91	34.00	42.47	48.31	47.75	74.00	-26.25	peak
4	5179.049	8.37	34.35	42.33	50.69	51.08	74.00	-22.92	peak
5	7236.000	10.07	36.09	40.69	44.96	50.43	74.00	-23.57	peak
6 pp	9648.000	10.77	37.69	37.68	41.15	51.93	74.00	-22.07	peak

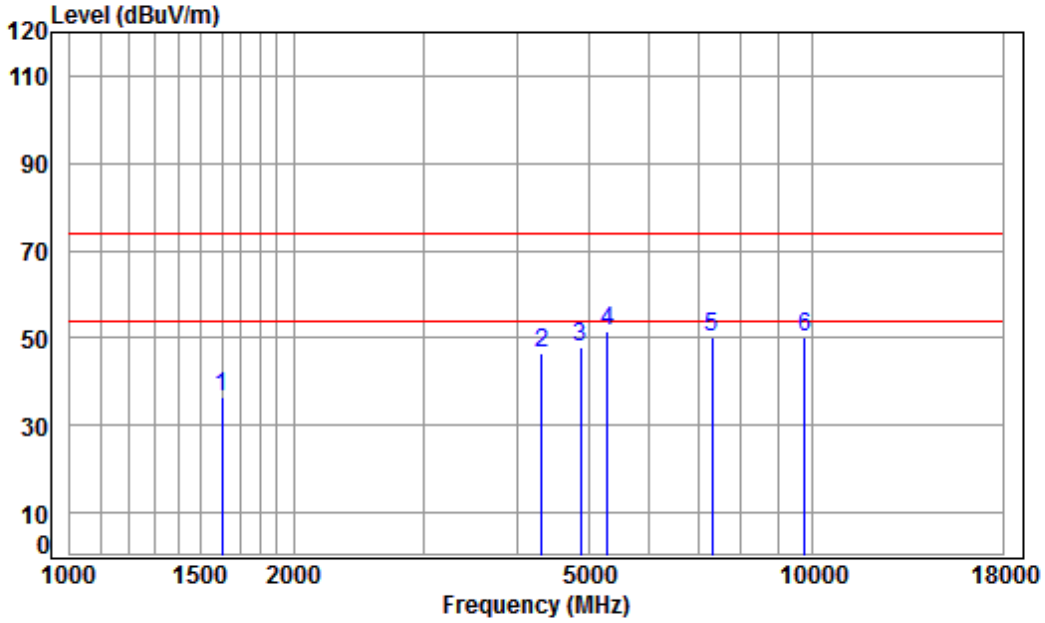
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2437 TX SE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1439.343	5.28	25.58	41.36	47.30	36.80	74.00	-37.20	peak
2	4495.125	7.55	33.59	42.42	48.38	47.10	74.00	-26.90	peak
3 pp	4874.000	7.96	34.05	42.48	49.51	49.04	54.00	-4.96	Average
4 pk	4874.000	7.96	34.05	42.48	54.52	54.05	74.00	-19.95	peak
5	5179.049	8.37	34.35	42.33	52.66	53.05	74.00	-20.95	peak
6	7311.000	10.05	36.15	40.64	44.90	50.46	74.00	-23.54	peak
7	9748.000	10.82	37.75	37.54	39.74	50.77	74.00	-23.23	peak

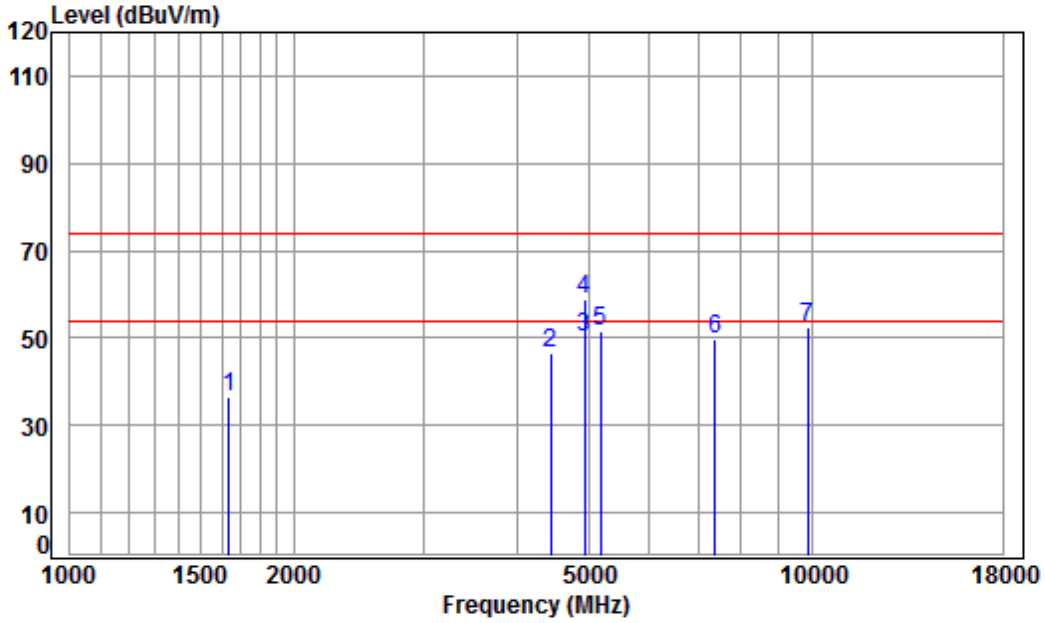
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2437 TX SE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1601.804	5.35	26.26	41.47	46.44	36.58	74.00	-37.42	peak
2	4316.859	7.36	33.28	42.38	48.10	46.36	74.00	-27.64	peak
3	4874.000	7.96	34.05	42.48	48.50	48.03	74.00	-25.97	peak
4 pp	5284.902	8.53	34.43	42.23	50.63	51.36	74.00	-22.64	peak
5	7311.000	10.05	36.15	40.64	44.45	50.01	74.00	-23.99	peak
6	9748.000	10.82	37.75	37.54	39.17	50.20	74.00	-23.80	peak

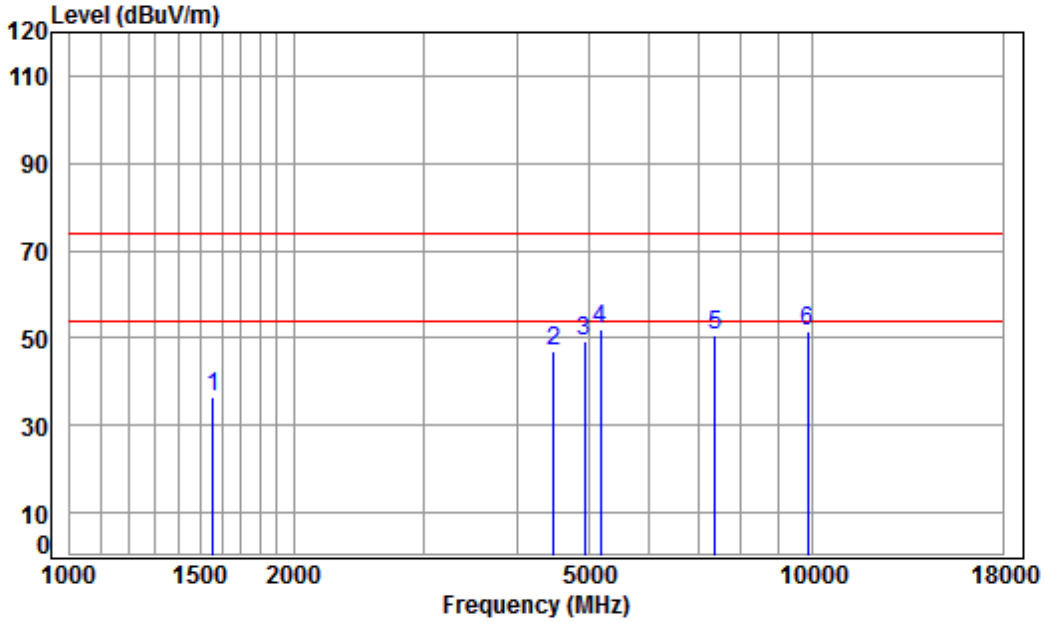
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 TX SE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1639.274	5.30	26.42	41.49	46.25	36.48	74.00	-37.52	peak
2	4430.628	7.48	33.48	42.41	48.15	46.70	74.00	-27.30	peak
3 pp	4924.000	8.02	34.12	42.49	50.50	50.15	54.00	-3.85	Average
4 pk	4924.000	8.01	34.11	42.49	59.40	59.03	74.00	-14.97	peak
5	5179.049	8.37	34.35	42.33	51.29	51.68	74.00	-22.32	peak
6	7386.000	10.03	36.21	40.59	44.28	49.93	74.00	-24.07	peak
7	9848.000	10.87	37.81	37.41	40.99	52.26	74.00	-21.74	peak

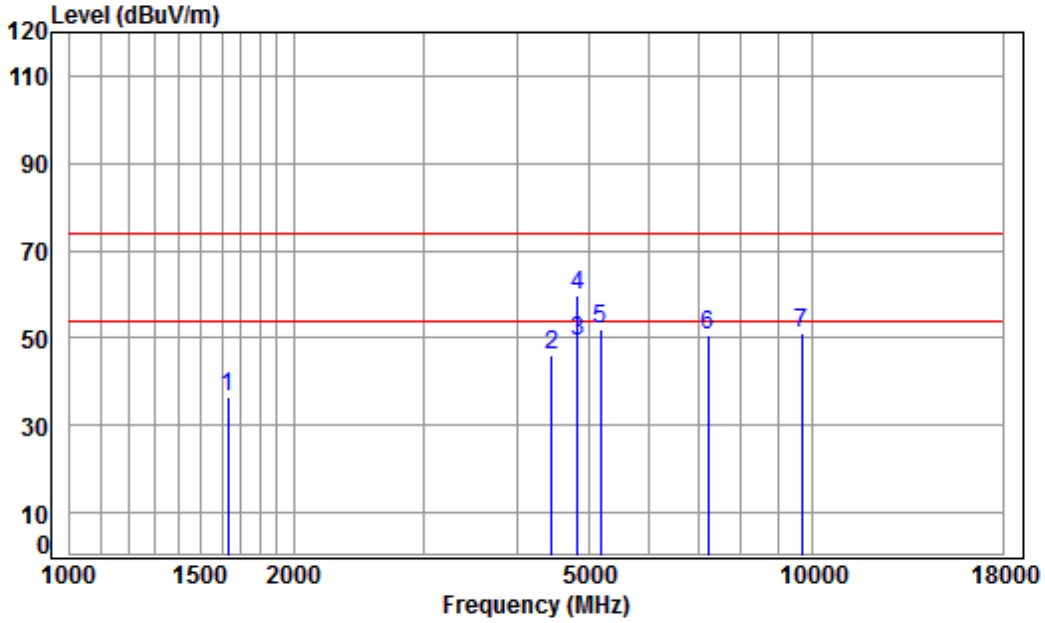
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 TX SE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1560.673	5.40	26.08	41.45	46.63	36.66	74.00	-37.34	peak
2	4482.150	7.54	33.57	42.41	48.35	47.05	74.00	-26.95	peak
3	4924.000	8.01	34.11	42.49	49.42	49.05	74.00	-24.95	peak
4 pp	5179.049	8.37	34.35	42.33	51.59	51.98	74.00	-22.02	peak
5	7386.000	10.03	36.21	40.59	44.96	50.61	74.00	-23.39	peak
6	9848.000	10.87	37.81	37.41	40.07	51.34	74.00	-22.66	peak

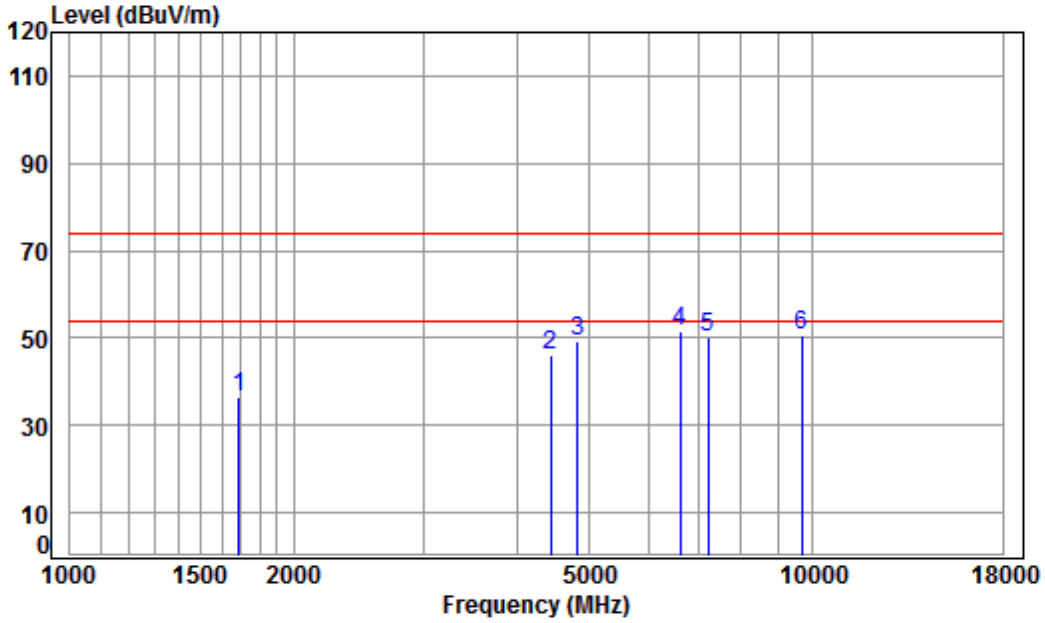
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 TX SE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1634.543	5.31	26.40	41.49	46.43	36.65	74.00	-37.35	peak
2	4456.315	7.51	33.53	42.41	47.60	46.23	74.00	-27.77	peak
3 pp	4824.000	7.92	34.01	42.47	49.59	49.05	54.00	-4.95	Average
4 pk	4824.000	7.91	34.00	42.47	60.37	59.81	74.00	-14.19	peak
5	5179.049	8.37	34.35	42.33	51.55	51.94	74.00	-22.06	peak
6	7236.000	10.07	36.09	40.69	45.23	50.70	74.00	-23.30	peak
7	9648.000	10.77	37.69	37.68	40.53	51.31	74.00	-22.69	peak

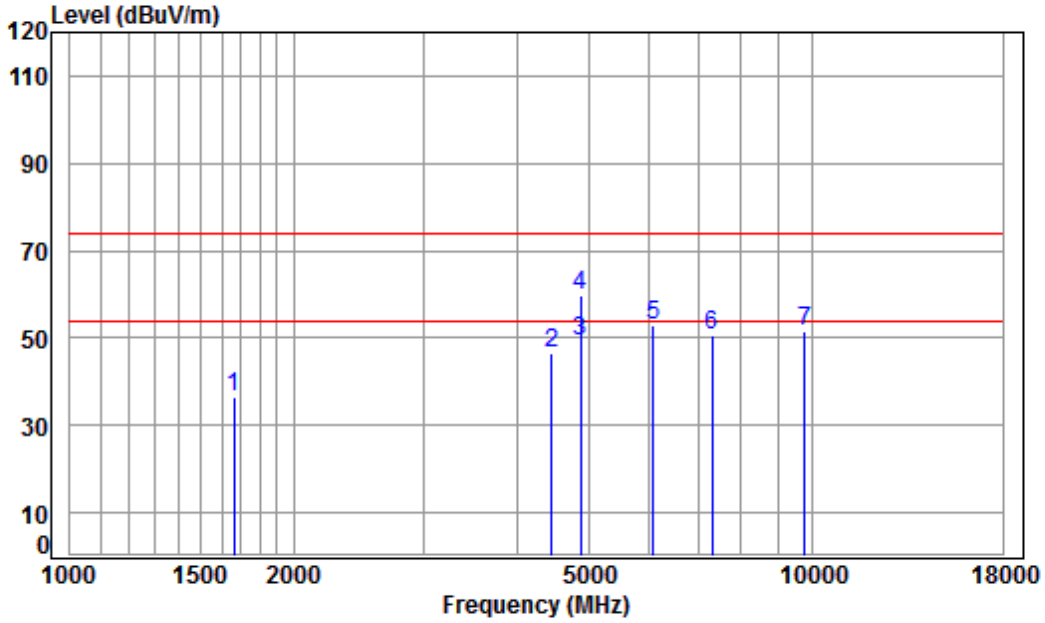
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 TX SE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1687.347	5.24	26.62	41.52	46.01	36.35	74.00	-37.65	peak
2	4430.628	7.48	33.48	42.41	47.37	45.92	74.00	-28.08	peak
3	4824.000	7.91	34.00	42.47	49.94	49.38	74.00	-24.62	peak
4 pp	6621.375	11.19	35.67	41.13	45.81	51.54	74.00	-22.46	peak
5	7236.000	10.07	36.09	40.69	44.51	49.98	74.00	-24.02	peak
6	9648.000	10.77	37.69	37.68	39.83	50.61	74.00	-23.39	peak

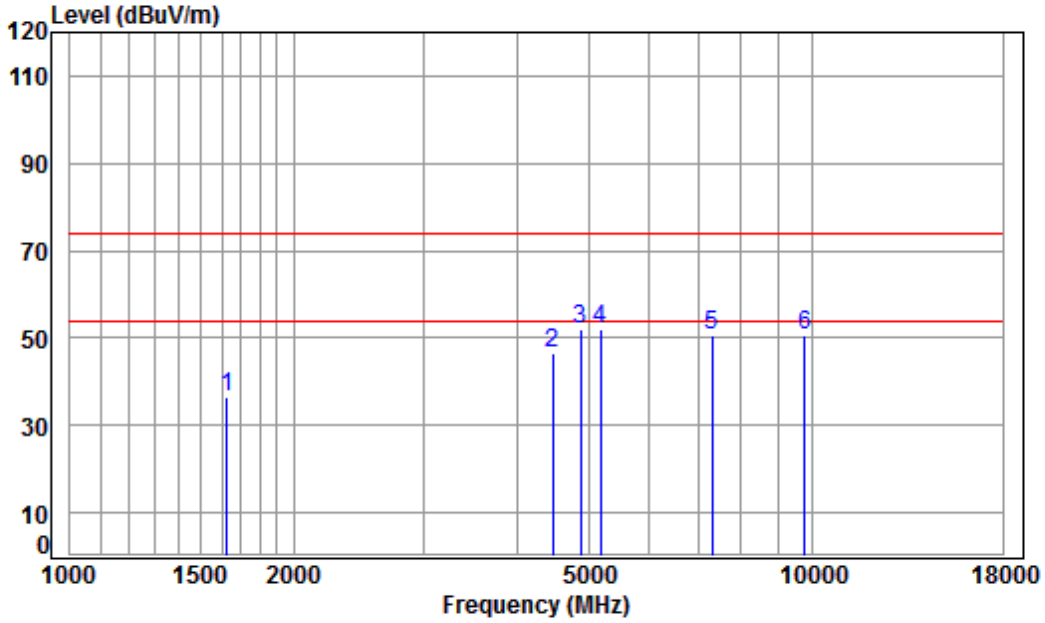
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2437 TX SE
Note : 2.4G WIFI 11G

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1663.137	5.27	26.52	41.51	46.24	36.52	74.00	-37.48	peak
2		4456.315	7.51	33.53	42.41	48.09	46.72	74.00	-27.28	peak
3	pp	4874.000	7.96	34.05	42.48	49.71	49.24	54.00	-4.76	Average
4	pk	4874.000	7.96	34.05	42.48	60.17	59.70	74.00	-14.30	peak
5		6088.991	10.75	35.19	41.54	48.57	52.97	74.00	-21.03	peak
6		7311.000	10.05	36.15	40.64	44.89	50.45	74.00	-23.55	peak
7		9748.000	10.82	37.75	37.54	40.76	51.79	74.00	-22.21	peak

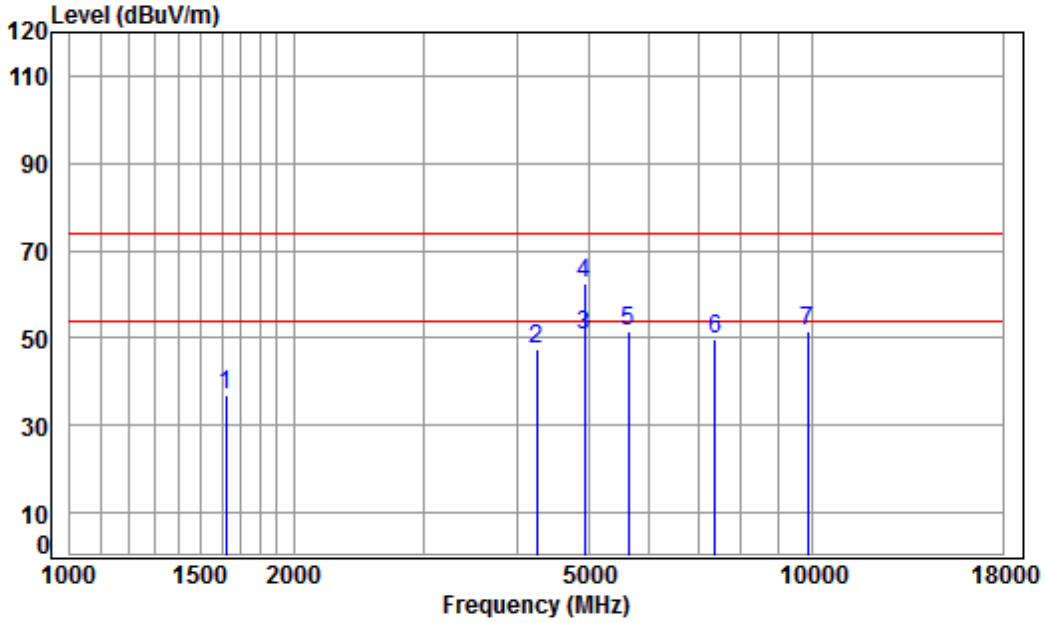
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2437 TX SE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1625.121	5.32	26.36	41.49	46.30	36.49	74.00	-37.51	peak
2	4469.214	7.53	33.55	42.41	48.04	46.71	74.00	-27.29	peak
3	4874.000	7.96	34.05	42.48	52.54	52.07	74.00	-21.93	peak
4 pp	5179.049	8.37	34.35	42.33	51.70	52.09	74.00	-21.91	peak
5	7311.000	10.05	36.15	40.64	44.88	50.44	74.00	-23.56	peak
6	9748.000	10.82	37.75	37.54	39.61	50.64	74.00	-23.36	peak

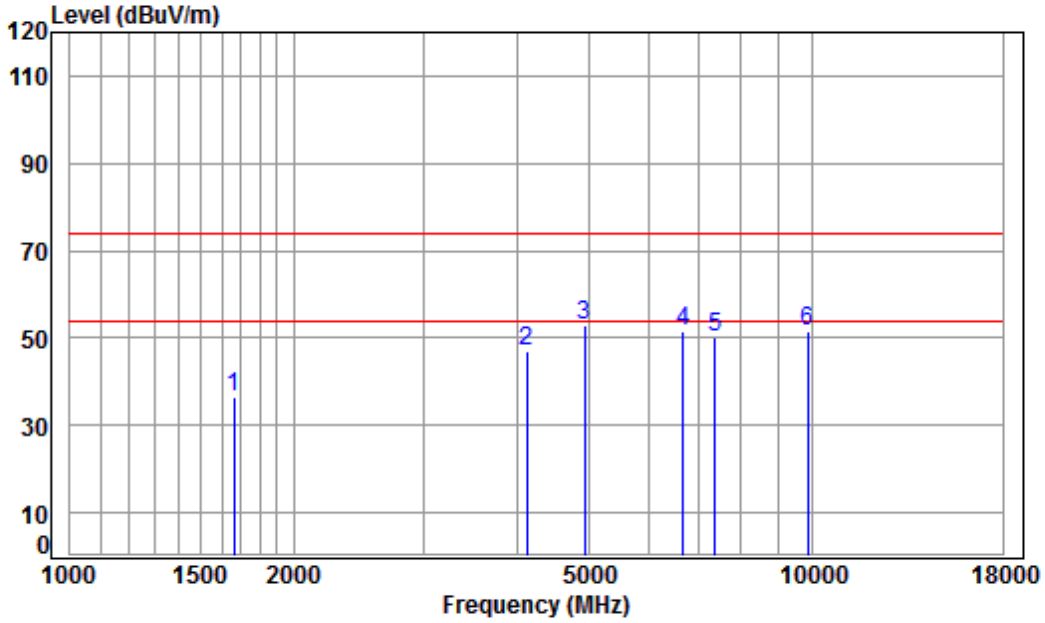
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 TX SE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1620.431	5.32	26.34	41.48	46.57	36.75	74.00	-37.25	peak
2	4242.641	7.27	33.15	42.37	49.24	47.29	74.00	-26.71	peak
3 pp	4924.000	8.02	34.12	42.49	51.20	50.85	54.00	-3.15	Average
4 pk	4924.000	8.01	34.11	42.49	62.95	62.58	74.00	-11.42	peak
5	5648.176	9.38	34.75	41.90	49.36	51.59	74.00	-22.41	peak
6	7386.000	10.03	36.21	40.59	44.24	49.89	74.00	-24.11	peak
7	9848.000	10.87	37.81	37.41	40.34	51.61	74.00	-22.39	peak

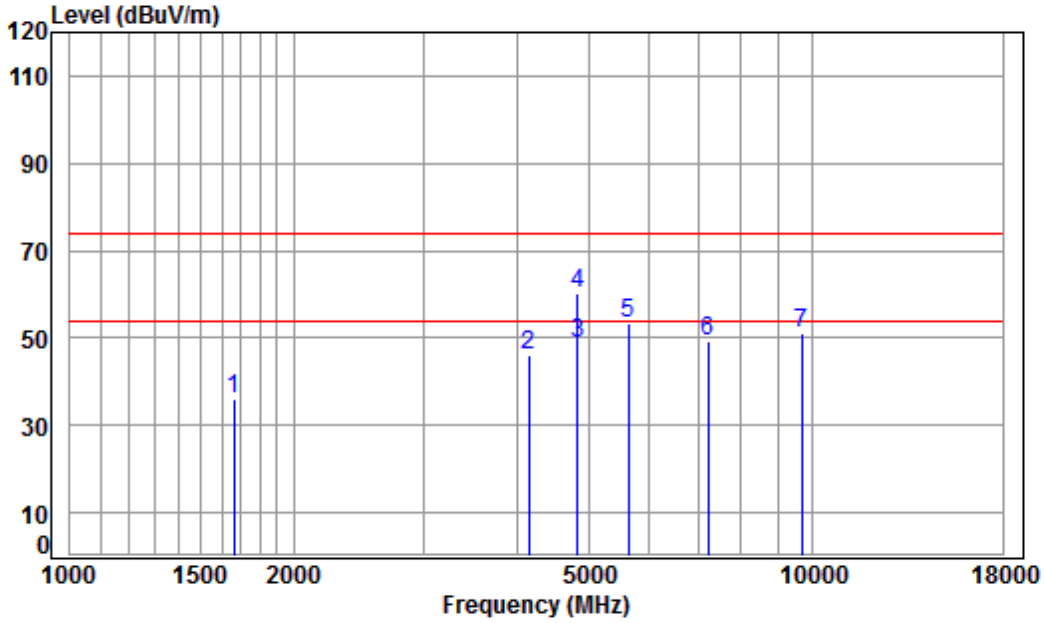
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 TX SE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1663.137	5.27	26.52	41.51	46.11	36.39	74.00	-37.61	peak
2	4121.768	7.13	32.93	42.35	49.34	47.05	74.00	-26.95	peak
3 pp	4924.000	8.01	34.11	42.49	53.50	53.13	74.00	-20.87	peak
4	6698.373	10.97	35.72	41.07	46.16	51.78	74.00	-22.22	peak
5	7386.000	10.03	36.21	40.59	44.34	49.99	74.00	-24.01	peak
6	9848.000	10.87	37.81	37.41	40.24	51.51	74.00	-22.49	peak

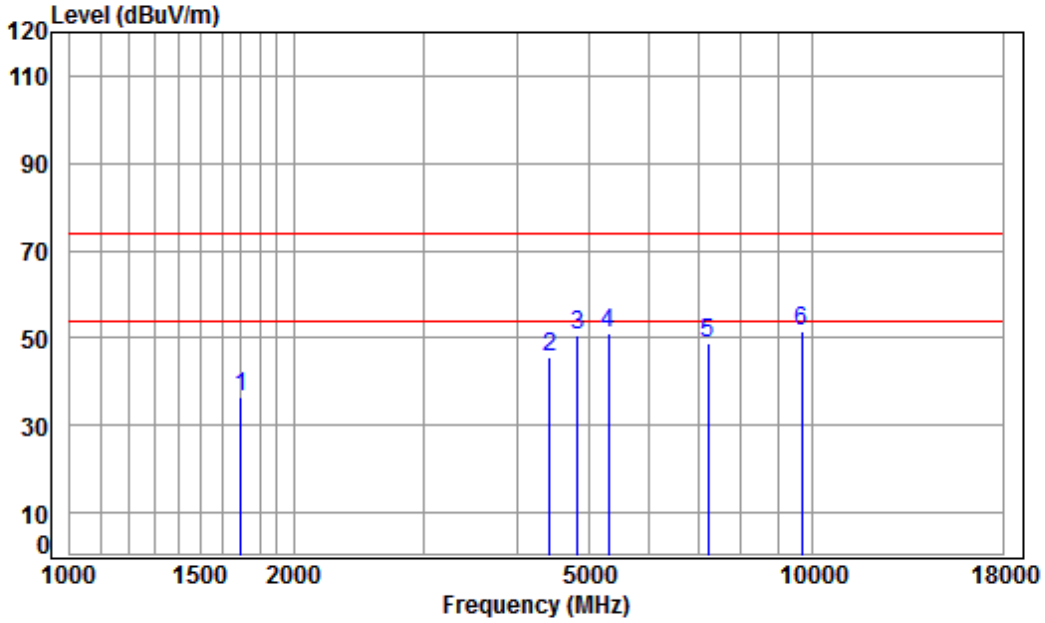
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 TX SE
Note : 2.4G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1663.137	5.27	26.52	41.51	45.55	35.83	74.00	-38.17	peak
2	4145.664	7.16	32.97	42.35	48.39	46.17	74.00	-27.83	peak
3 pp	4824.000	7.90	33.99	42.47	49.50	48.92	54.00	-5.08	Average
4 pk	4824.000	7.91	34.00	42.47	60.99	60.43	74.00	-13.57	peak
5	5648.176	9.38	34.75	41.90	51.11	53.34	74.00	-20.66	peak
6	7236.000	10.07	36.09	40.69	43.89	49.36	74.00	-24.64	peak
7	9648.000	10.77	37.69	37.68	40.28	51.06	74.00	-22.94	peak

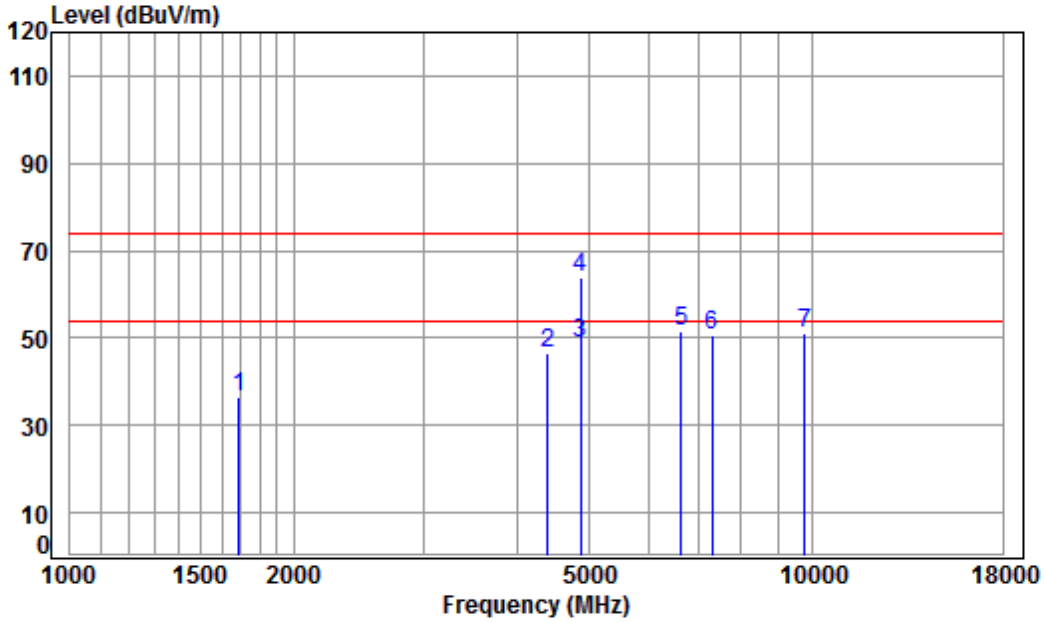
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 TX SE
Note : 2.4G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	5.23	26.66	41.53	46.03	36.39	74.00	-37.61	peak
2	4417.841	7.47	33.46	42.40	47.13	45.66	74.00	-28.34	peak
3	4824.000	7.91	34.00	42.47	51.02	50.46	74.00	-23.54	peak
4	5300.200	8.55	34.44	42.21	50.12	50.90	74.00	-23.10	peak
5	7236.000	10.07	36.09	40.69	43.40	48.87	74.00	-25.13	peak
6 pp	9648.000	10.77	37.69	37.68	40.78	51.56	74.00	-22.44	peak

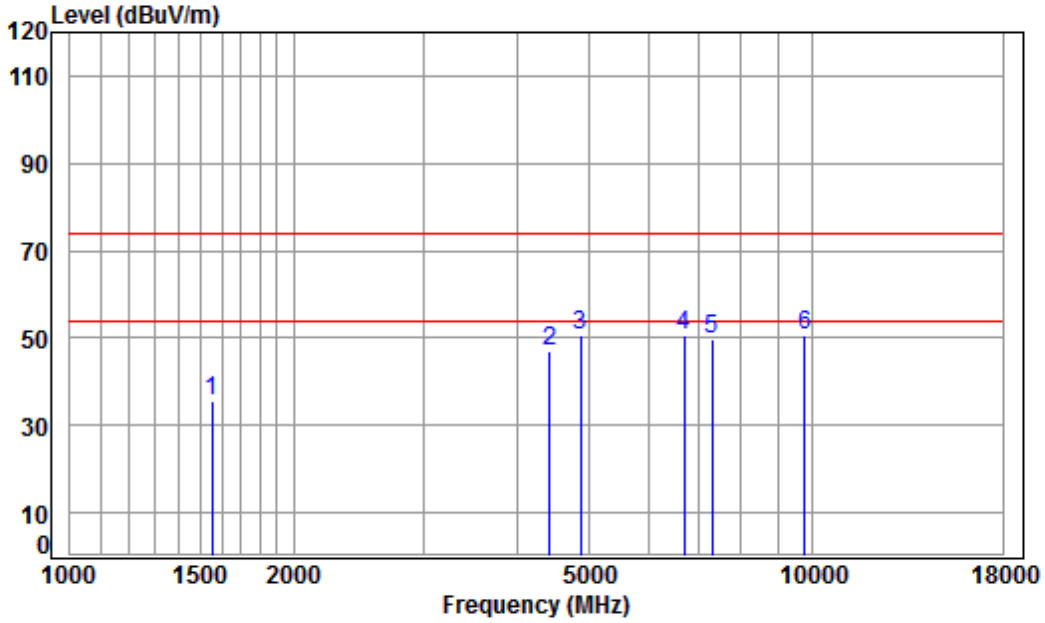
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2437 TX SE
Note : 2.4G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1687.347	5.24	26.62	41.52	46.15	36.49	74.00	-37.51	peak
2	4392.376	7.44	33.42	42.40	48.02	46.48	74.00	-27.52	peak
3 pp	4874.000	7.96	34.05	42.48	49.41	48.94	54.00	-5.06	Average
4 pk	4874.000	7.96	34.05	42.48	64.16	63.69	74.00	-10.31	peak
5	6640.542	11.13	35.69	41.11	46.02	51.73	74.00	-22.27	peak
6	7311.000	10.05	36.15	40.64	44.95	50.51	74.00	-23.49	peak
7	9748.000	10.82	37.75	37.54	40.09	51.12	74.00	-22.88	peak

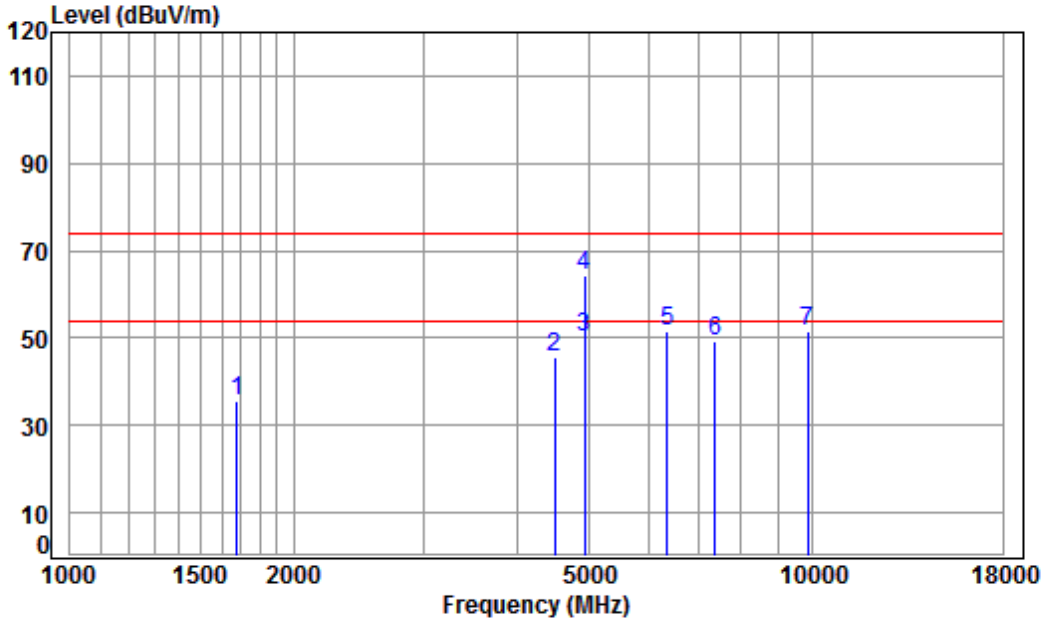
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2437 TX SE
Note : 2.4G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1551.677	5.41	26.04	41.44	45.52	35.53	74.00	-38.47	peak
2	4417.841	7.47	33.46	42.40	48.58	47.11	74.00	-26.89	peak
3 pp	4874.000	7.96	34.05	42.48	51.34	50.87	74.00	-23.13	peak
4	6717.762	10.91	35.73	41.05	45.09	50.68	74.00	-23.32	peak
5	7311.000	10.05	36.15	40.64	44.37	49.93	74.00	-24.07	peak
6	9748.000	10.82	37.75	37.54	39.40	50.43	74.00	-23.57	peak

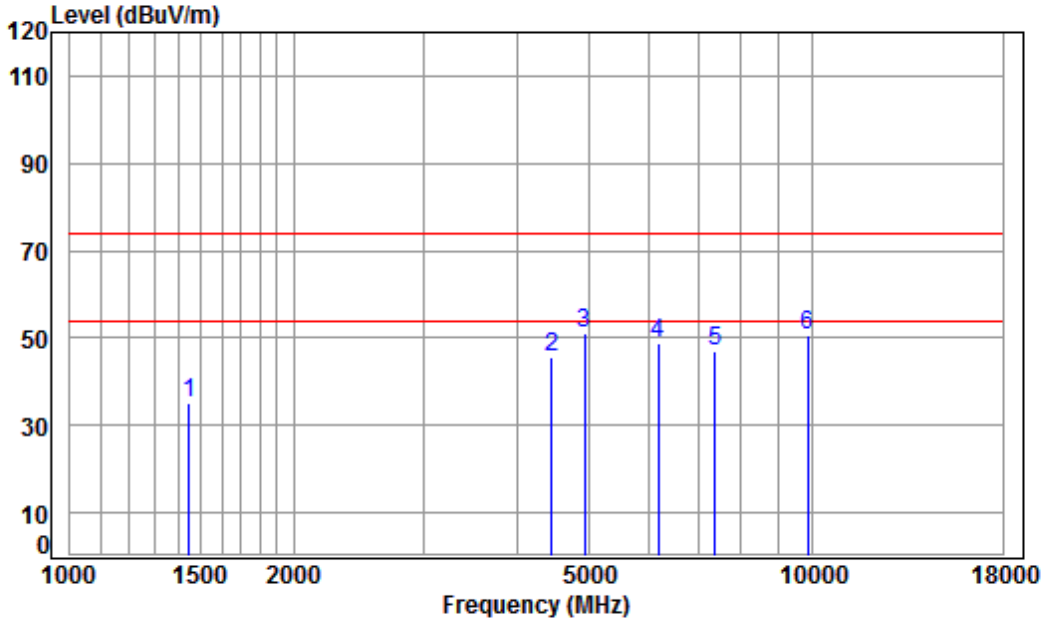
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 TX SE
Note : 2.4G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1677.621	5.25	26.58	41.52	45.48	35.79	74.00	-38.21	peak
2	4495.125	7.55	33.59	42.42	47.06	45.78	74.00	-28.22	peak
3 pp	4924.000	8.02	34.12	42.49	50.40	50.05	54.00	-3.95	Average
4 pk	4924.000	8.01	34.11	42.49	64.86	64.49	74.00	-9.51	peak
5	6358.789	11.27	35.46	41.32	46.38	51.79	74.00	-22.21	peak
6	7386.000	10.03	36.21	40.59	43.63	49.28	74.00	-24.72	peak
7	9848.000	10.87	37.81	37.41	40.13	51.40	74.00	-22.60	peak

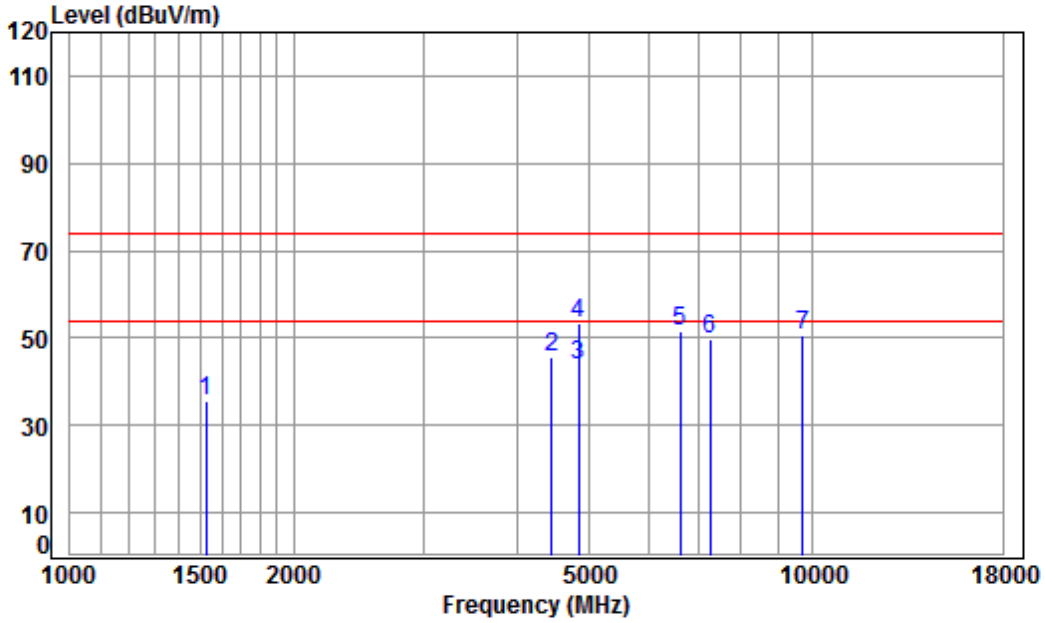
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 TX SE
Note : 2.4G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1447.688	5.31	25.61	41.37	45.70	35.25	74.00	-38.75	peak
2	4456.315	7.51	33.53	42.41	47.15	45.78	74.00	-28.22	peak
3 pp	4924.000	8.01	34.11	42.49	51.61	51.24	74.00	-22.76	peak
4	6195.508	10.96	35.30	41.45	44.07	48.88	74.00	-25.12	peak
5	7386.000	10.03	36.21	40.59	41.30	46.95	74.00	-27.05	peak
6	9848.000	10.87	37.81	37.41	39.19	50.46	74.00	-23.54	peak

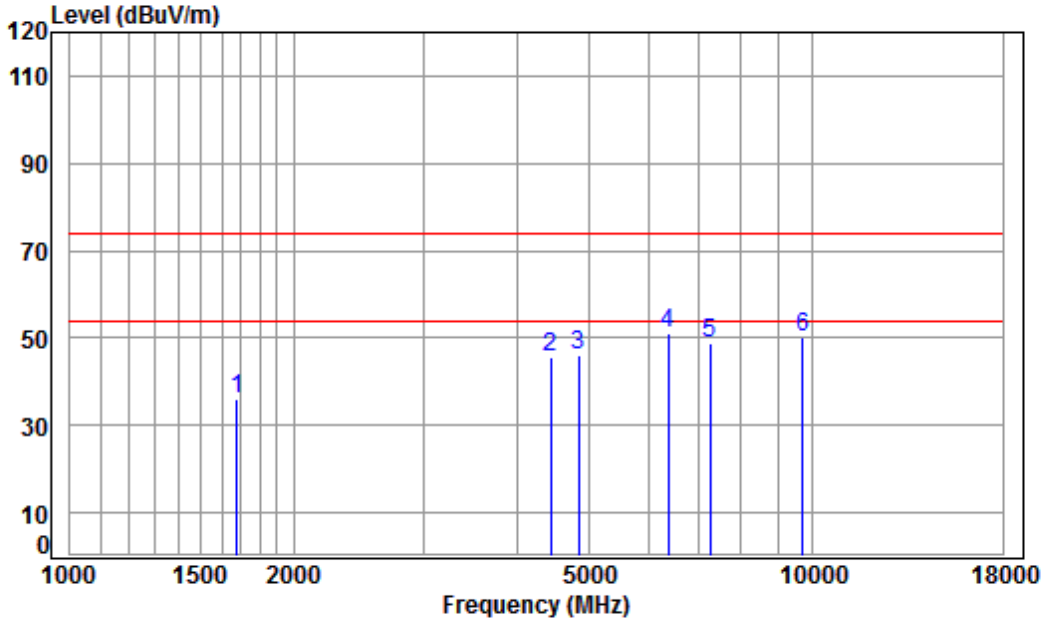
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2422 TX SE
Note : 2.4G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1525.000	5.45	25.91	41.42	45.56	35.50	74.00	-38.50	peak
2	4456.315	7.51	33.53	42.41	47.12	45.75	74.00	-28.25	peak
3 pp	4844.000	7.93	34.02	42.48	44.31	43.78	54.00	-10.22	Average
4 pk	4844.000	7.93	34.02	42.48	54.09	53.56	74.00	-20.44	peak
5	6621.375	11.19	35.67	41.13	45.64	51.37	74.00	-22.63	peak
6	7266.000	10.06	36.12	40.67	44.16	49.67	74.00	-24.33	peak
7	9688.000	10.79	37.71	37.63	39.64	50.51	74.00	-23.49	peak

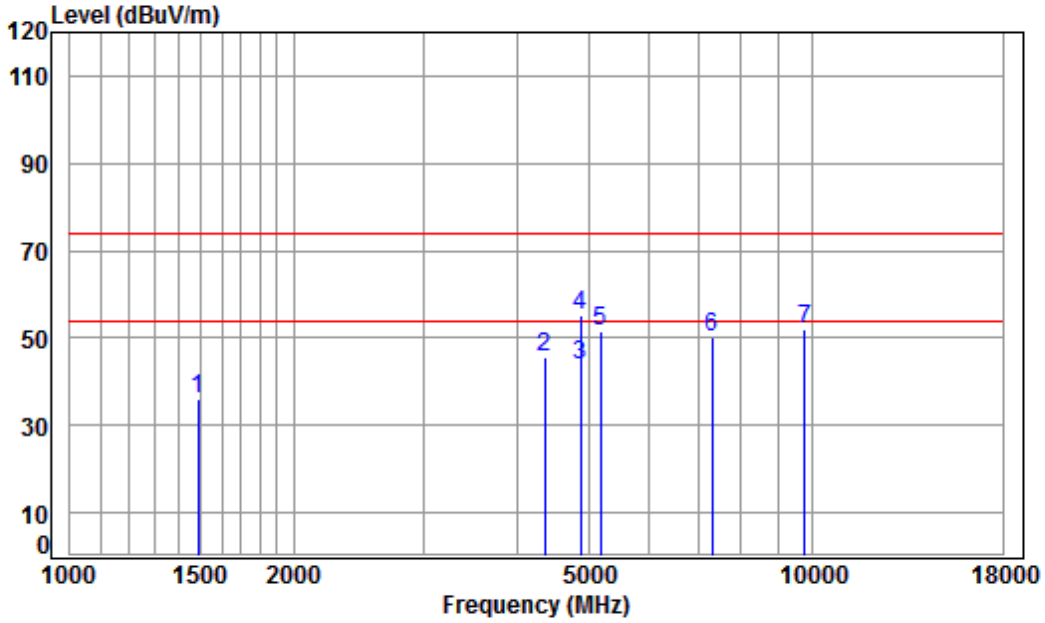
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2422 TX SE
Note : 2.4G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1677.621	5.25	26.58	41.52	45.85	36.16	74.00	-37.84	peak
2	4430.628	7.48	33.48	42.41	46.99	45.54	74.00	-28.46	peak
3	4844.000	7.93	34.02	42.48	46.62	46.09	74.00	-27.91	peak
4 pp	6395.654	11.34	35.50	41.30	45.38	50.92	74.00	-23.08	peak
5	7266.000	10.06	36.12	40.67	43.28	48.79	74.00	-25.21	peak
6	9688.000	10.79	37.71	37.63	39.16	50.03	74.00	-23.97	peak

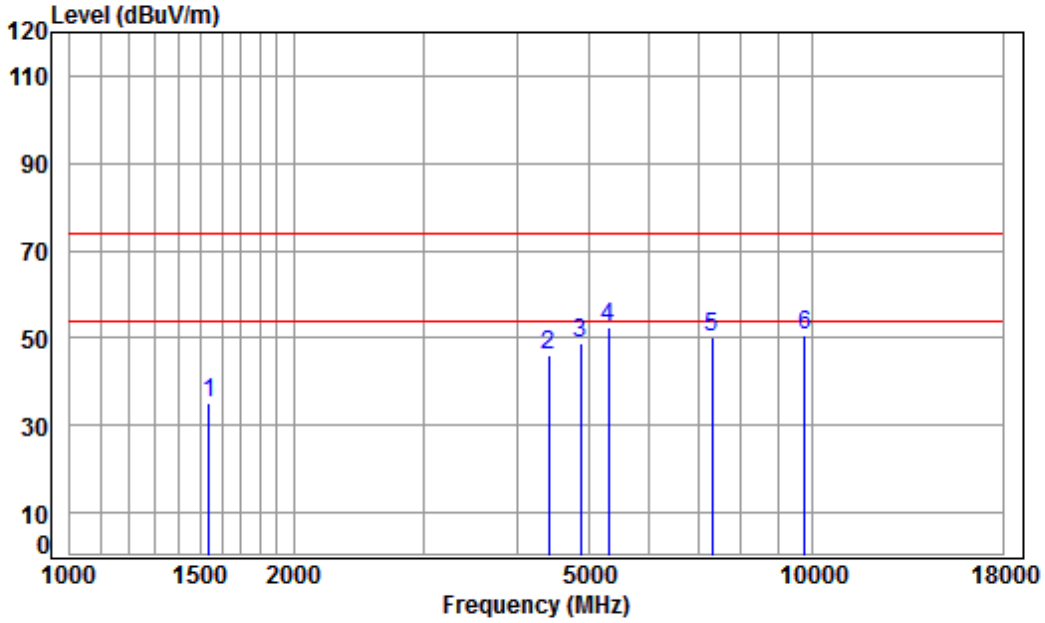
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2437 TX SE
Note : 2.4G WIFI 11N40

	Freq	Cable Loss	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	41.40	46.18	35.96	74.00	-38.04	peak
2	4354.454	7.40	33.35	42.39	47.47	45.83	74.00	-28.17	peak
3 pp	4874.000	7.96	34.05	42.48	44.41	43.94	54.00	-10.06	Average
4 pk	4874.000	7.96	34.05	42.48	55.67	55.20	74.00	-18.80	peak
5	5179.049	8.37	34.35	42.33	51.29	51.68	74.00	-22.32	peak
6	7311.000	10.05	36.15	40.64	44.65	50.21	74.00	-23.79	peak
7	9748.000	10.82	37.75	37.54	40.83	51.86	74.00	-22.14	peak

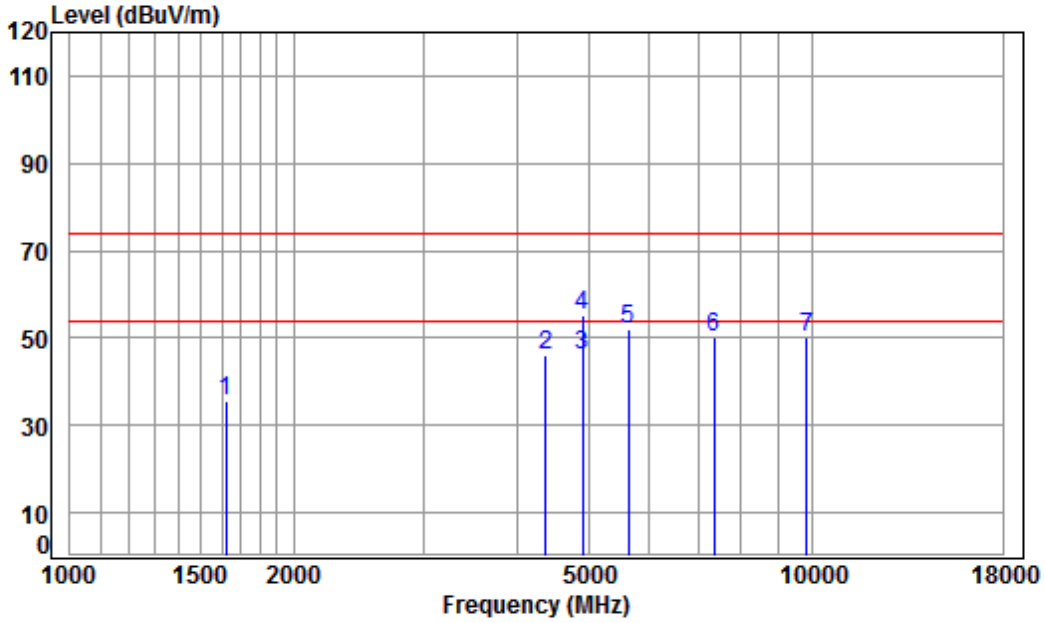
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2437 TX SE
Note : 2.4G WIFI 11N40

	Freq	Cable Loss	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	41.43	45.28	35.26	74.00	-38.74	peak
2	4405.090	7.46	33.44	42.40	47.62	46.12	74.00	-27.88	peak
3	4874.000	7.96	34.05	42.48	49.49	49.02	74.00	-24.98	peak
4 pp	5300.200	8.55	34.44	42.21	51.58	52.36	74.00	-21.64	peak
5	7311.000	10.05	36.15	40.64	44.59	50.15	74.00	-23.85	peak
6	9748.000	10.82	37.75	37.54	39.55	50.58	74.00	-23.42	peak

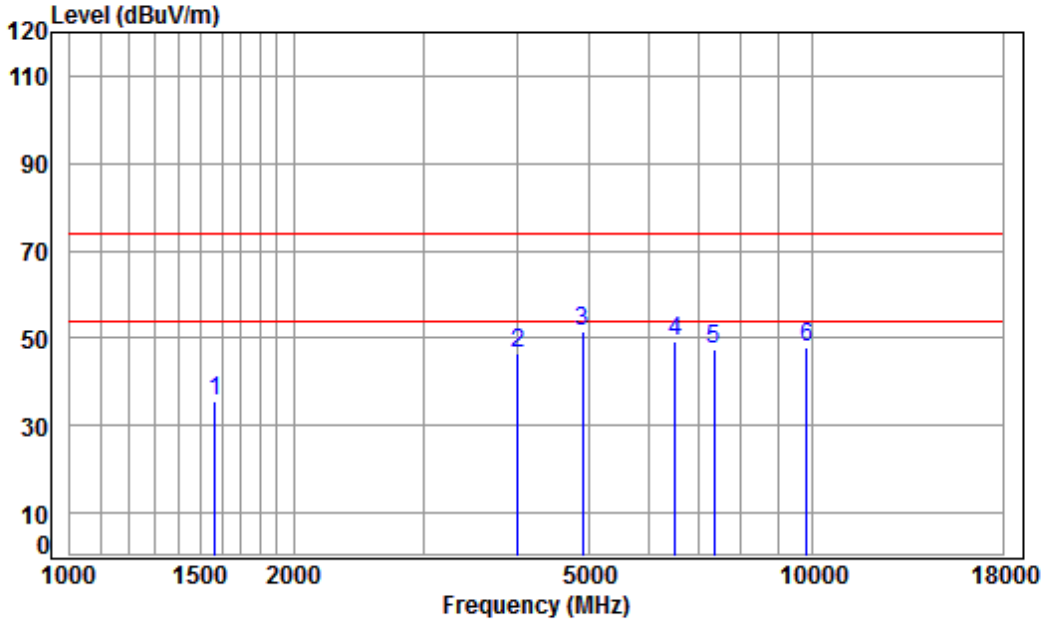
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2452 TX SE
Note : 2.4G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1620.431	5.32	26.34	41.48	45.60	35.78	74.00	-38.22	peak
2	4367.058	7.41	33.37	42.39	47.56	45.95	74.00	-28.05	peak
3 pp	4904.000	7.99	34.09	42.48	46.39	45.99	54.00	-8.01	Average
4 pk	4904.000	7.99	34.09	42.48	55.74	55.34	74.00	-18.66	peak
5	5648.176	9.38	34.75	41.90	49.80	52.03	74.00	-21.97	peak
6	7356.000	10.04	36.19	40.61	44.57	50.19	74.00	-23.81	peak
7	9808.000	10.85	37.79	37.46	39.11	50.29	74.00	-23.71	peak

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High

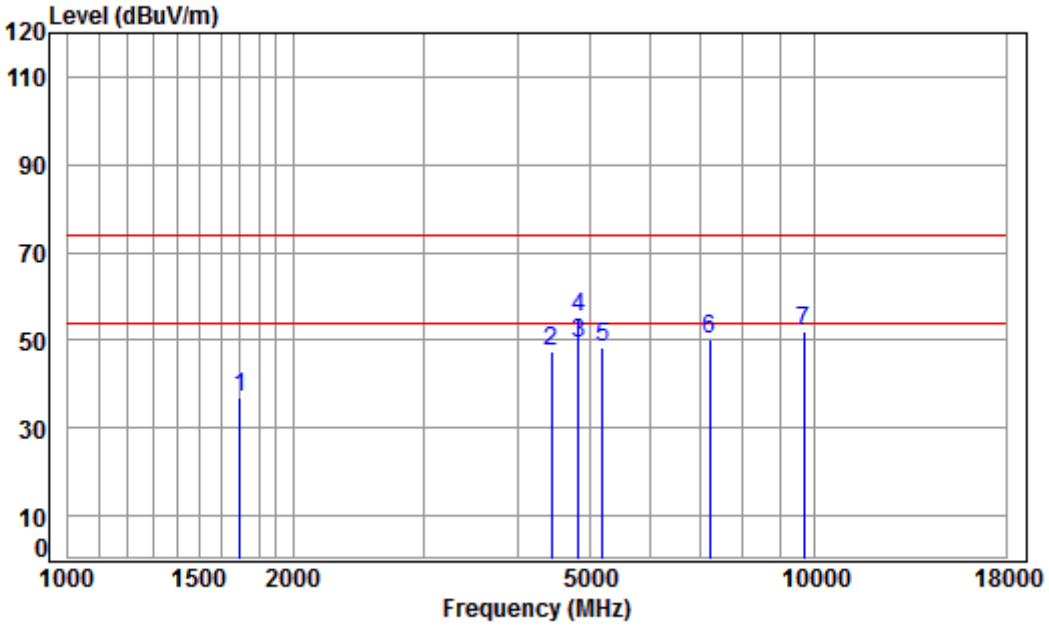


Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2452 TX SE
Note : 2.4G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1569.721	5.39	26.12	41.45	45.75	35.81	74.00	-38.19	peak
2	4004.339	6.99	32.71	42.33	48.94	46.31	74.00	-27.69	peak
3 pp	4904.000	7.99	34.09	42.48	52.11	51.71	74.00	-22.29	peak
4	6526.373	11.46	35.62	41.20	43.51	49.39	74.00	-24.61	peak
5	7356.000	10.04	36.19	40.61	41.77	47.39	74.00	-26.61	peak
6	9808.000	10.85	37.79	37.46	36.55	47.73	74.00	-26.27	peak

Transmitter emission above 1GHz for Antenna2

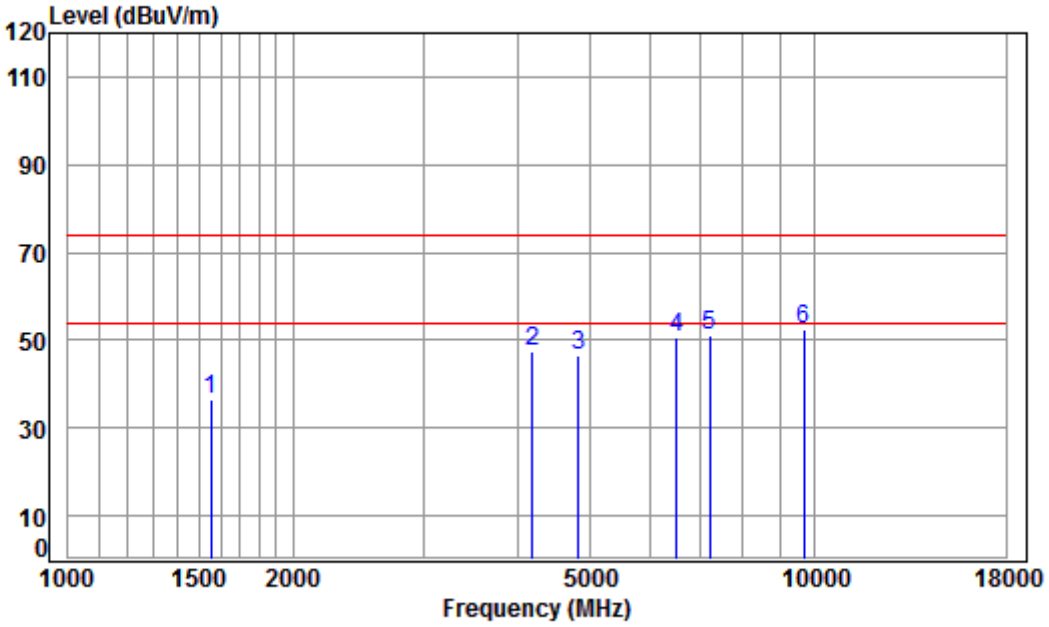
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 TX RSE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	5.23	26.66	41.53	46.42	36.78	74.00	-37.22	peak
2	4443.453	7.50	33.50	42.41	48.82	47.41	74.00	-26.59	peak
3 pp	4824.000	7.91	34.00	42.47	49.80	49.24	54.00	-4.76	Average
4 pk	4824.000	7.91	34.00	42.47	55.60	55.04	74.00	-18.96	peak
5	5194.041	8.39	34.36	42.31	47.97	48.41	74.00	-25.59	peak
6	7236.000	10.07	36.09	40.69	44.83	50.30	74.00	-23.70	peak
7	9648.000	10.77	37.69	37.68	41.28	52.06	74.00	-21.94	peak

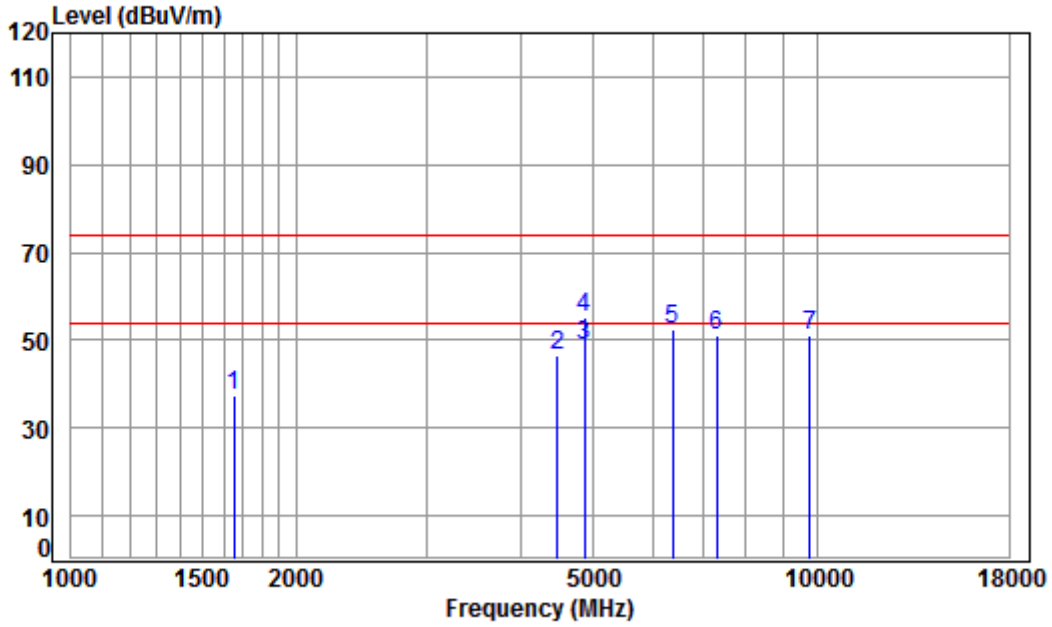
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 TX RSE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1551.677	5.41	26.04	41.44	46.57	36.58	74.00	-37.42	peak
2	4181.768	7.20	33.04	42.36	49.60	47.48	74.00	-26.52	peak
3	4824.000	7.91	34.00	42.47	46.99	46.43	74.00	-27.57	peak
4	6526.373	11.46	35.62	41.20	44.54	50.42	74.00	-23.58	peak
5	7236.000	10.07	36.09	40.69	45.41	50.88	74.00	-23.12	peak
6 pp	9648.000	10.77	37.69	37.68	41.76	52.54	74.00	-21.46	peak

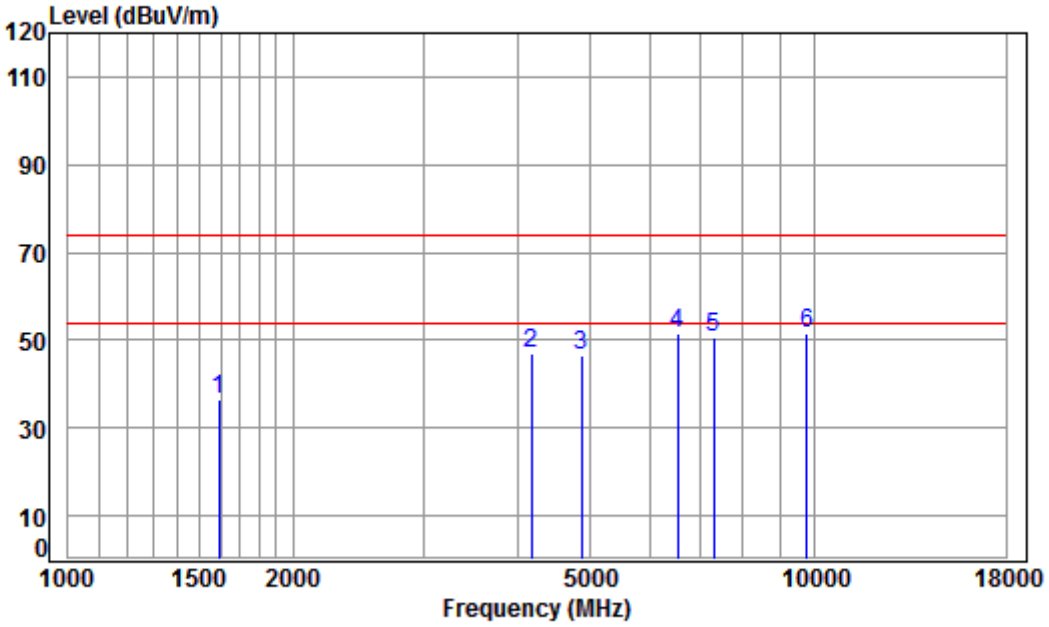
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2437 TX RSE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1653.550	5.28	26.48	41.50	47.26	37.52	74.00	-36.48	peak
2	4482.150	7.54	33.57	42.41	47.71	46.41	74.00	-27.59	peak
3 pp	4874.000	7.96	34.05	42.48	49.26	48.79	54.00	-5.21	Average
4 pk	4874.000	7.96	34.05	42.48	55.59	55.12	74.00	-18.88	peak
5	6377.195	11.31	35.48	41.31	46.95	52.43	74.00	-21.57	peak
6	7311.000	10.05	36.15	40.64	45.60	51.16	74.00	-22.84	peak
7	9748.000	10.82	37.75	37.54	39.87	50.90	74.00	-23.10	peak

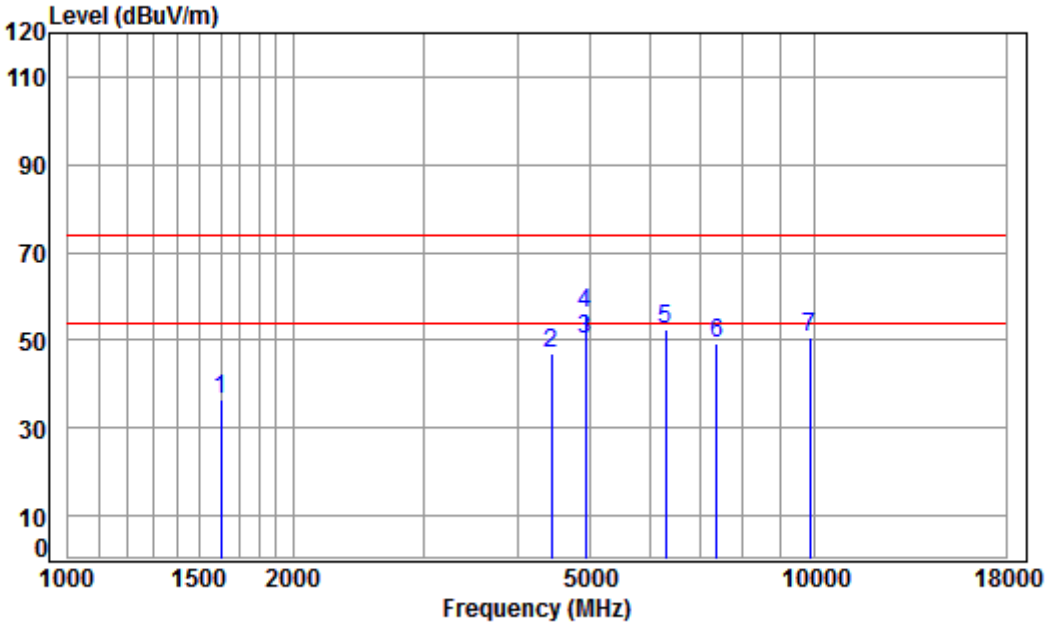
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2437 TX RSE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1592.571	5.36	26.22	41.47	46.31	36.42	74.00	-37.58	peak
2	4169.698	7.18	33.02	42.36	48.99	46.83	74.00	-27.17	peak
3	4874.000	7.96	34.05	42.48	46.82	46.35	74.00	-27.65	peak
4 pp	6545.263	11.41	35.63	41.18	45.70	51.56	74.00	-22.44	peak
5	7311.000	10.05	36.15	40.64	45.21	50.77	74.00	-23.23	peak
6	9748.000	10.82	37.75	37.54	40.48	51.51	74.00	-22.49	peak

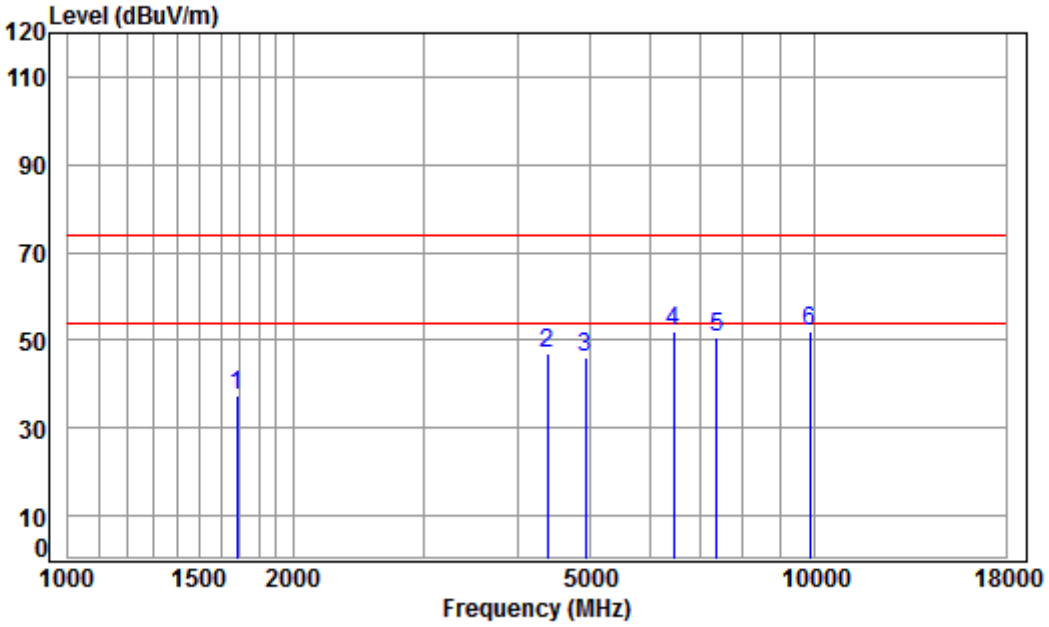
Mode:b; Polarization:Horizontal; Modulation:802.11b; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 TX RSE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1601.804	5.35	26.26	41.47	46.18	36.32	74.00	-37.68	peak
2	4430.628	7.48	33.48	42.41	48.27	46.82	74.00	-27.18	peak
3 pp	4924.000	8.01	34.11	42.49	50.36	49.99	54.00	-4.01	Average
4 pk	4924.000	8.01	34.11	42.49	56.38	56.01	74.00	-17.99	peak
5	6303.890	11.17	35.41	41.37	47.25	52.46	74.00	-21.54	peak
6	7386.000	10.03	36.21	40.59	43.65	49.30	74.00	-24.70	peak
7	9848.000	10.87	37.81	37.41	39.52	50.79	74.00	-23.21	peak

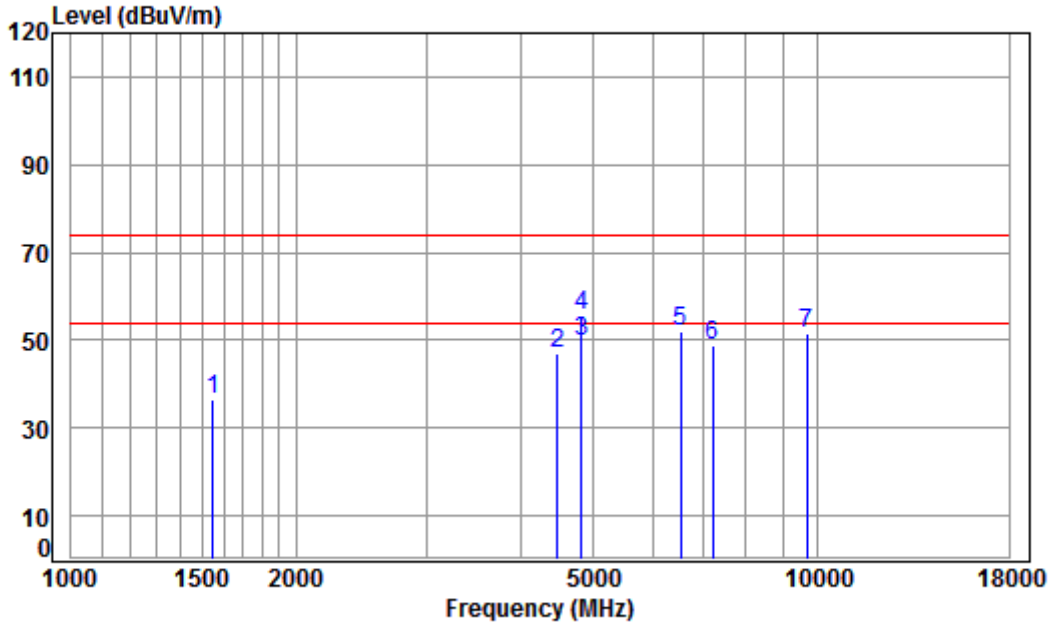
Mode:b; Polarization:Vertical; Modulation:802.11b; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 TX RSE
Note : 2.4G WIFI 11B

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1682.477	5.25	26.60	41.52	46.88	37.21	74.00	-36.79	peak
2	4379.699	7.43	33.39	42.40	48.39	46.81	74.00	-27.19	peak
3	4924.000	8.01	34.11	42.49	46.37	46.00	74.00	-28.00	peak
4	6470.026	11.48	35.57	41.24	46.11	51.92	74.00	-22.08	peak
5	7386.000	10.03	36.21	40.59	44.91	50.56	74.00	-23.44	peak
6 pp	9848.000	10.87	37.81	37.41	40.77	52.04	74.00	-21.96	peak

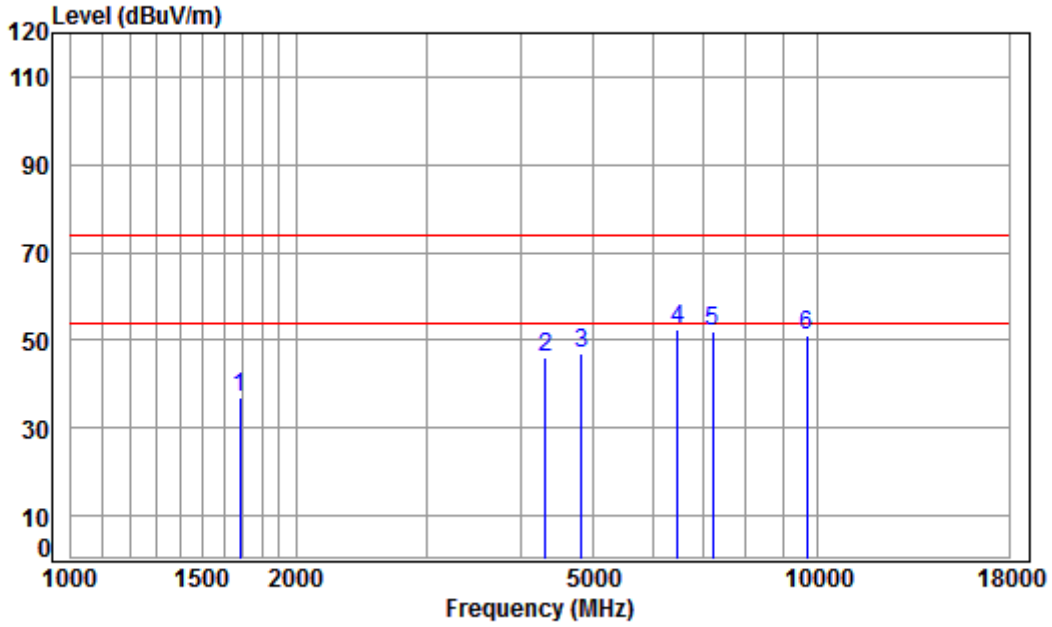
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 TX RSE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1547.199	5.42	26.02	41.44	46.54	36.54	74.00	-37.46	peak
2	4482.150	7.54	33.57	42.41	48.28	46.98	74.00	-27.02	peak
3 pp	4824.000	7.91	34.00	42.47	50.18	49.62	54.00	-4.38	Average
4 pk	4824.000	7.91	34.00	42.47	56.01	55.45	74.00	-18.55	peak
5	6545.263	11.41	35.63	41.18	46.14	52.00	74.00	-22.00	peak
6	7236.000	10.07	36.09	40.69	43.29	48.76	74.00	-25.24	peak
7	9648.000	10.77	37.69	37.68	40.58	51.36	74.00	-22.64	peak

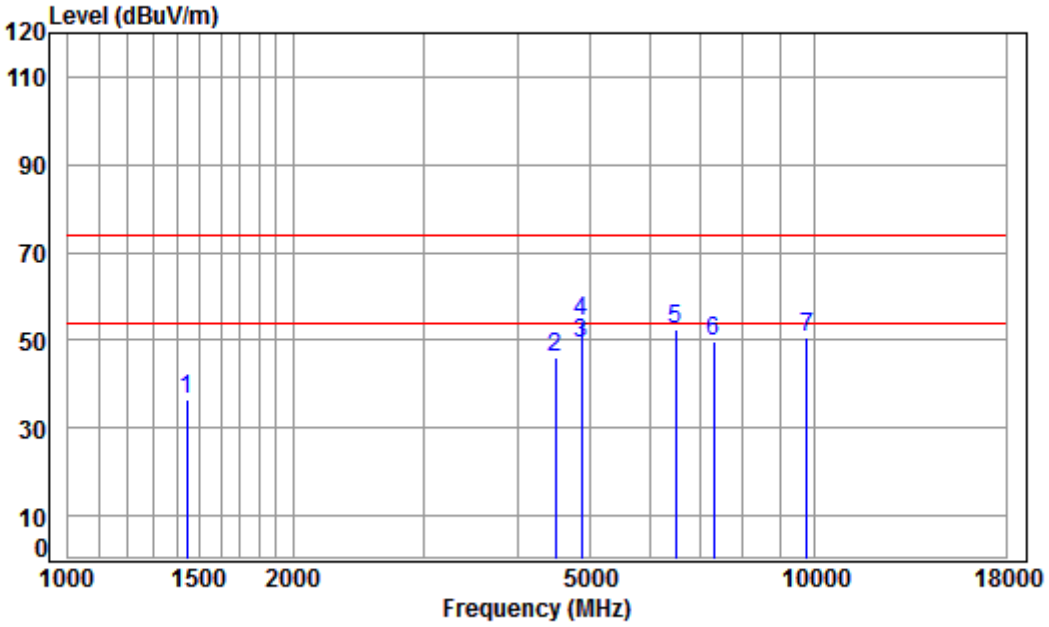
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 TX RSE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1682.477	5.25	26.60	41.52	46.42	36.75	74.00	-37.25	peak
2	4316.859	7.36	33.28	42.38	47.93	46.19	74.00	-27.81	peak
3	4824.000	7.91	34.00	42.47	47.71	47.15	74.00	-26.85	peak
4 pp	6488.754	11.52	35.59	41.22	46.66	52.55	74.00	-21.45	peak
5	7236.000	10.07	36.09	40.69	46.45	51.92	74.00	-22.08	peak
6	9648.000	10.77	37.69	37.68	40.28	51.06	74.00	-22.94	peak

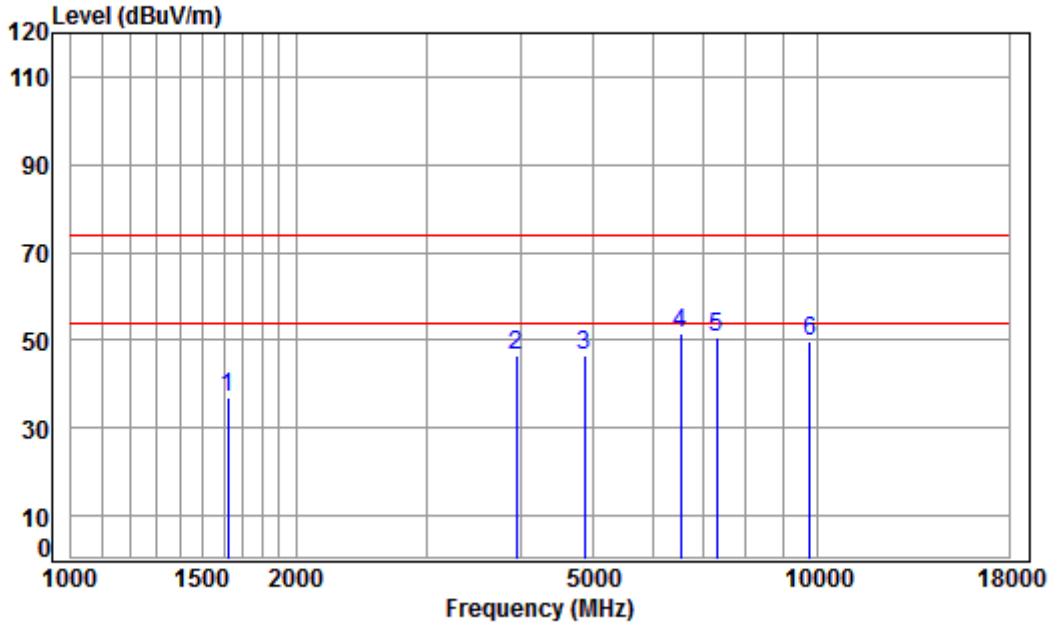
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2437 TX RSE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	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	41.37	46.99	36.51	74.00	-37.49	peak
2	4495.125	7.55	33.59	42.42	47.53	46.25	74.00	-27.75	peak
3 pp	4874.000	7.96	34.05	42.48	49.88	49.41	54.00	-4.59	Average
4 pk	4874.000	7.96	34.05	42.48	54.98	54.51	74.00	-19.49	peak
5	6507.536	11.52	35.60	41.21	46.54	52.45	74.00	-21.55	peak
6	7311.000	10.05	36.15	40.64	44.09	49.65	74.00	-24.35	peak
7	9748.000	10.82	37.75	37.54	39.45	50.48	74.00	-23.52	peak

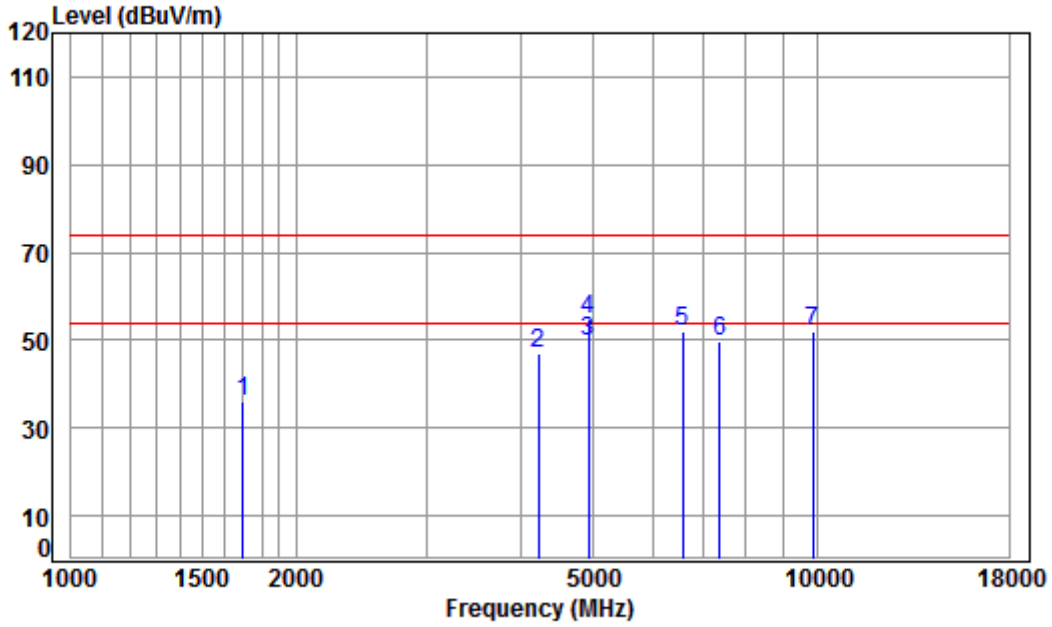
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2437 TX RSE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1620.431	5.32	26.34	41.48	46.63	36.81	74.00	-37.19	peak
2	3946.885	6.93	32.60	42.31	49.40	46.62	74.00	-27.38	peak
3	4874.000	7.96	34.05	42.48	47.08	46.61	74.00	-27.39	peak
4 pp	6545.263	11.41	35.63	41.18	45.65	51.51	74.00	-22.49	peak
5	7311.000	10.05	36.15	40.64	45.13	50.69	74.00	-23.31	peak
6	9748.000	10.82	37.75	37.54	38.81	49.84	74.00	-24.16	peak

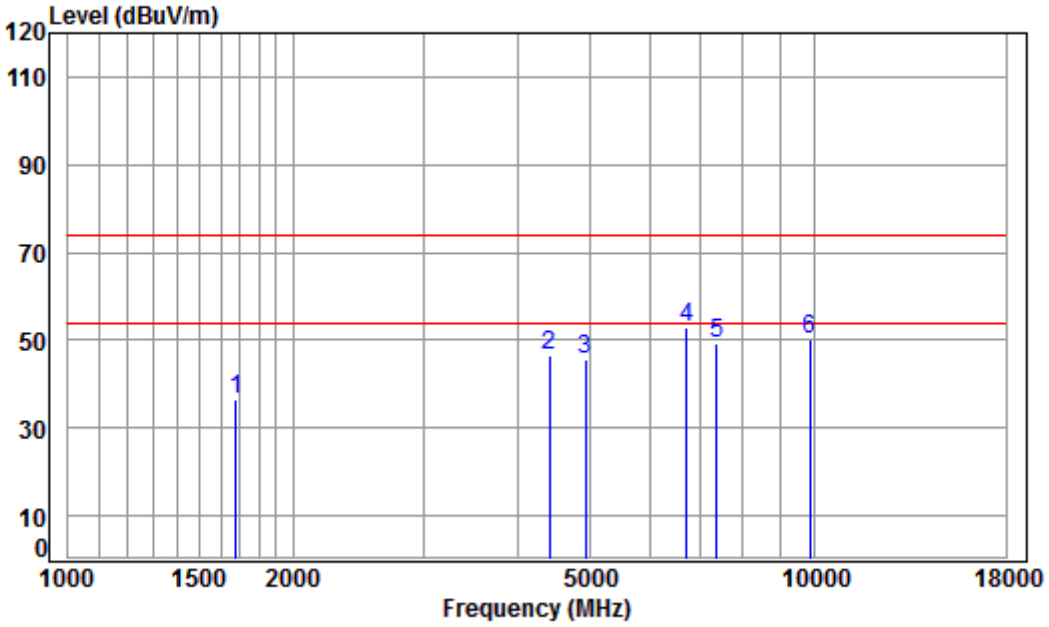
Mode:b; Polarization:Horizontal; Modulation:802.11g; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 TX RSE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	5.23	26.66	41.53	45.76	36.12	74.00	-37.88	peak
2	4218.186	7.24	33.11	42.37	49.22	47.20	74.00	-26.80	peak
3 pp	4924.000	8.01	34.11	42.49	50.13	49.76	54.00	-4.24	Average
4 pk	4924.000	8.01	34.11	42.49	55.26	54.89	74.00	-19.11	peak
5	6583.209	11.30	35.65	41.15	46.37	52.17	74.00	-21.83	peak
6	7386.000	10.03	36.21	40.59	44.10	49.75	74.00	-24.25	peak
7	9848.000	10.87	37.81	37.41	40.75	52.02	74.00	-21.98	peak

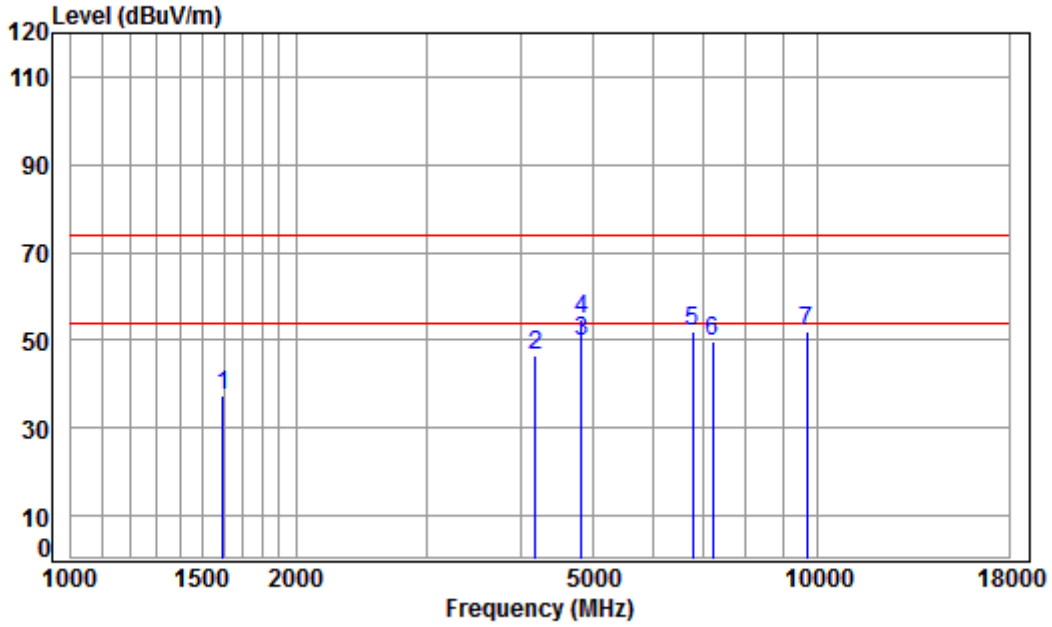
Mode:b; Polarization:Vertical; Modulation:802.11g; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 TX RSE
Note : 2.4G WIFI 11G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1677.621	5.25	26.58	41.52	46.26	36.57	74.00	-37.43	peak
2	4405.090	7.46	33.44	42.40	48.03	46.53	74.00	-27.47	peak
3	4924.000	8.01	34.11	42.49	46.14	45.77	74.00	-28.23	peak
4 pp	6737.207	10.86	35.75	41.04	47.14	52.71	74.00	-21.29	peak
5	7386.000	10.03	36.21	40.59	43.59	49.24	74.00	-24.76	peak
6	9848.000	10.87	37.81	37.41	39.10	50.37	74.00	-23.63	peak

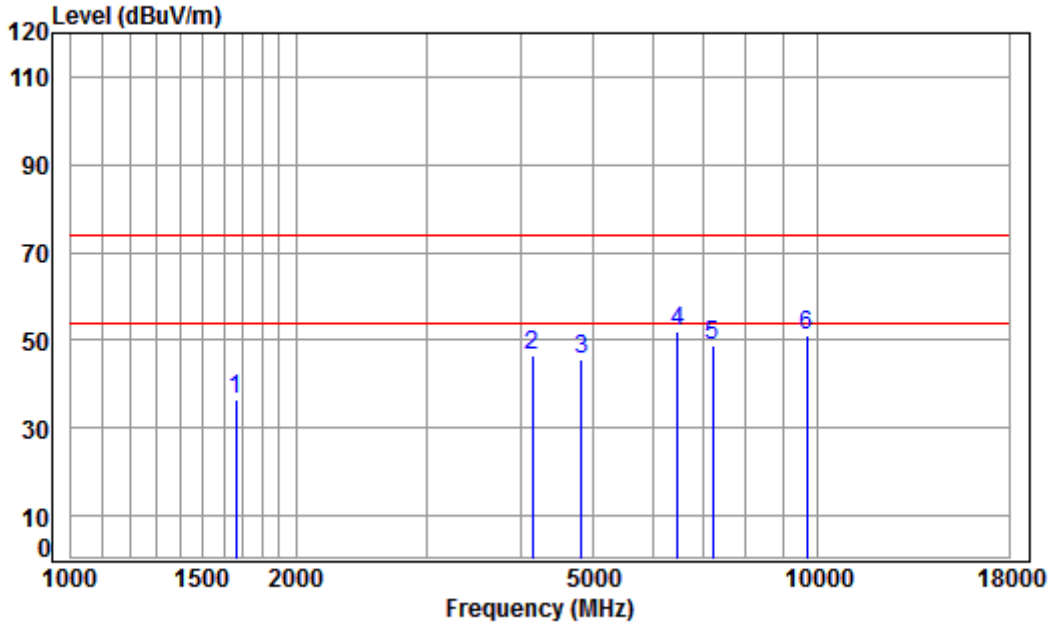
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2412 TX RSE
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1597.181	5.35	26.24	41.47	47.44	37.56	74.00	-36.44	peak
2	4181.768	7.20	33.04	42.36	48.49	46.37	74.00	-27.63	peak
3 pp	4824.000	7.91	34.00	42.47	50.37	49.81	54.00	-4.19	Average
4 pk	4824.000	7.91	34.00	42.47	55.22	54.66	74.00	-19.34	peak
5	6795.879	10.69	35.78	41.00	46.53	52.00	74.00	-22.00	peak
6	7236.000	10.07	36.09	40.69	44.39	49.86	74.00	-24.14	peak
7	9648.000	10.77	37.69	37.68	41.20	51.98	74.00	-22.02	peak

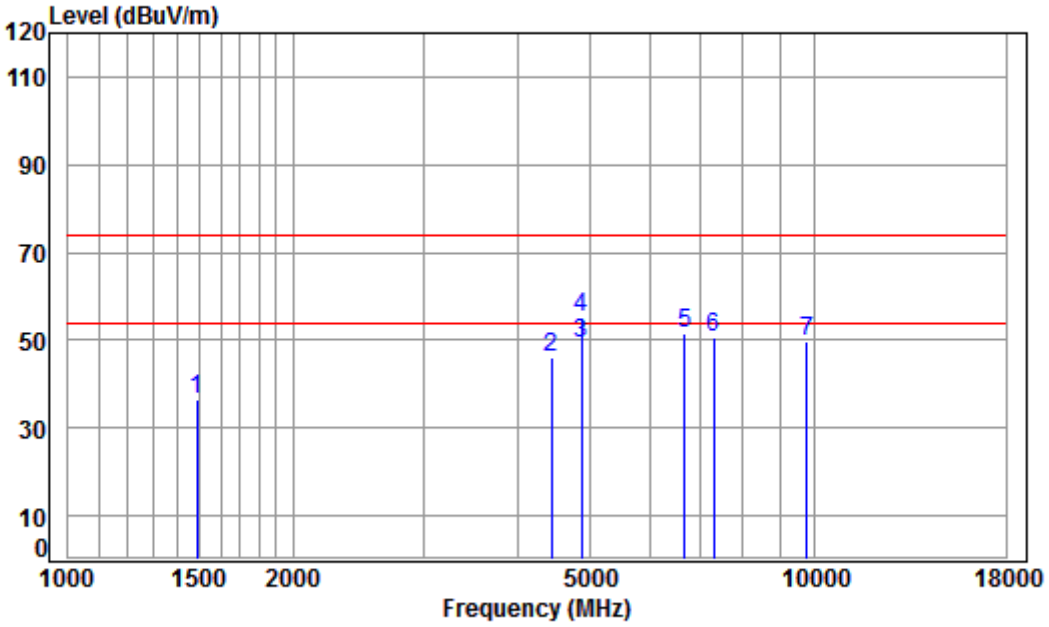
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2412 TX RSE
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1663.137	5.27	26.52	41.51	46.28	36.56	74.00	-37.44	peak
2	4145.664	7.16	32.97	42.35	48.65	46.43	74.00	-27.57	peak
3	4824.000	7.91	34.00	42.47	46.32	45.76	74.00	-28.24	peak
4 pp	6488.754	11.52	35.59	41.22	46.08	51.97	74.00	-22.03	peak
5	7236.000	10.07	36.09	40.69	43.13	48.60	74.00	-25.40	peak
6	9648.000	10.77	37.69	37.68	40.39	51.17	74.00	-22.83	peak

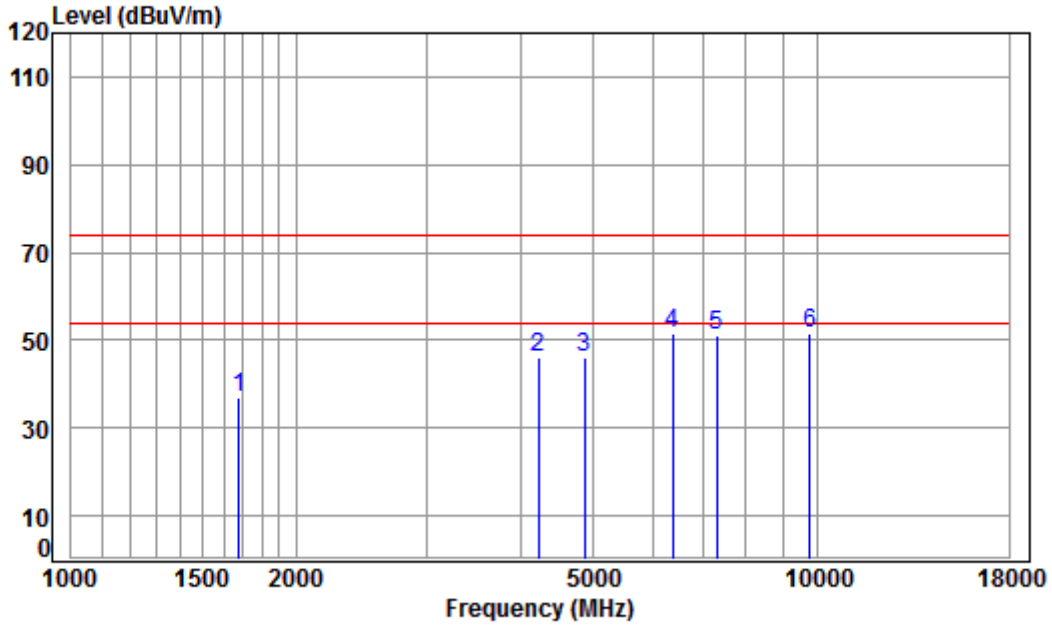
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2437 TX RSE
Note : 2.4G WIFI 11N 20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1490.142	5.45	25.76	41.40	46.76	36.57	74.00	-37.43	peak
2		4430.628	7.48	33.48	42.41	47.45	46.00	74.00	-28.00	peak
3	pp	4874.000	7.96	34.05	42.48	49.82	49.35	54.00	-4.65	Average
4	pk	4874.000	7.96	34.05	42.48	55.58	55.11	74.00	-18.89	peak
5		6698.373	10.97	35.72	41.07	45.85	51.47	74.00	-22.53	peak
6		7311.000	10.05	36.15	40.64	45.21	50.77	74.00	-23.23	peak
7		9748.000	10.82	37.75	37.54	38.93	49.96	74.00	-24.04	peak

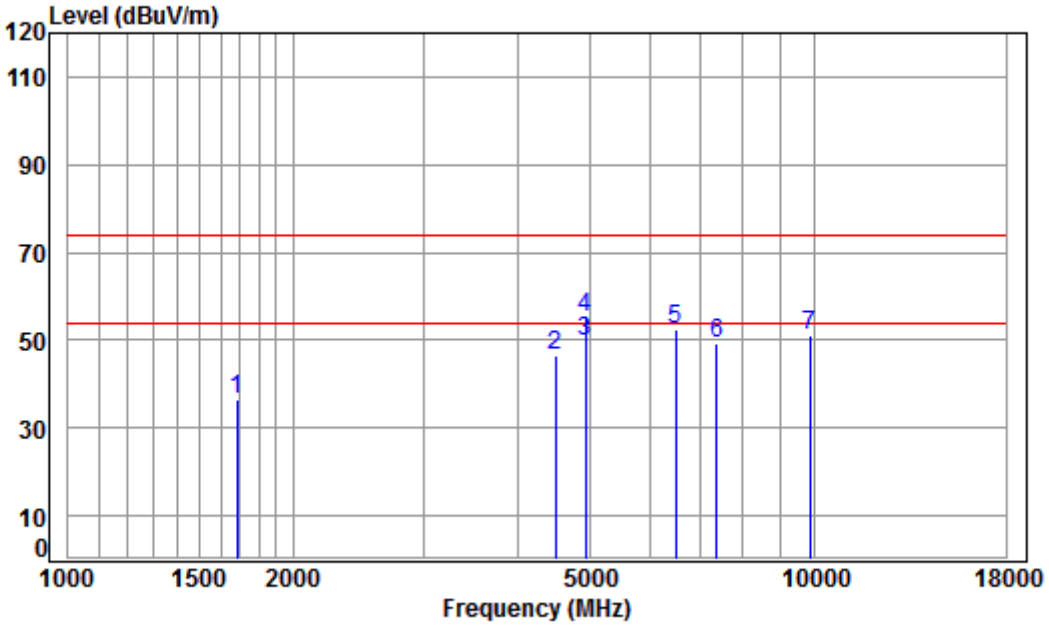
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2437 TX RSE
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1677.621	5.25	26.58	41.52	46.67	36.98	74.00	-37.02	peak
2	4218.186	7.24	33.11	42.37	48.26	46.24	74.00	-27.76	peak
3	4874.000	7.96	34.05	42.48	46.42	45.95	74.00	-28.05	peak
4 pp	6395.654	11.34	35.50	41.30	46.15	51.69	74.00	-22.31	peak
5	7311.000	10.05	36.15	40.64	45.37	50.93	74.00	-23.07	peak
6	9748.000	10.82	37.75	37.54	40.49	51.52	74.00	-22.48	peak

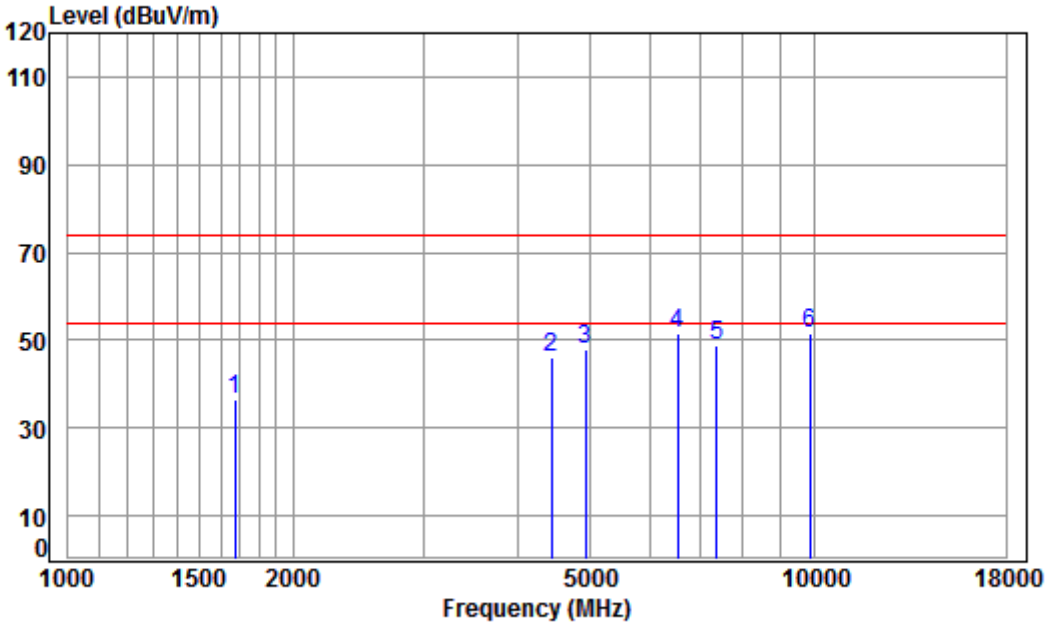
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2462 TX RSE
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1682.477	5.25	26.60	41.52	45.98	36.31	74.00	-37.69	peak
2	4495.125	7.55	33.59	42.42	47.70	46.42	74.00	-27.58	peak
3 pp	4924.000	8.01	34.11	42.49	50.32	49.95	54.00	-4.05	Average
4 pk	4924.000	8.01	34.11	42.49	55.68	55.31	74.00	-18.69	peak
5	6507.536	11.52	35.60	41.21	46.48	52.39	74.00	-21.61	peak
6	7386.000	10.03	36.21	40.59	43.77	49.42	74.00	-24.58	peak
7	9848.000	10.87	37.81	37.41	39.92	51.19	74.00	-22.81	peak

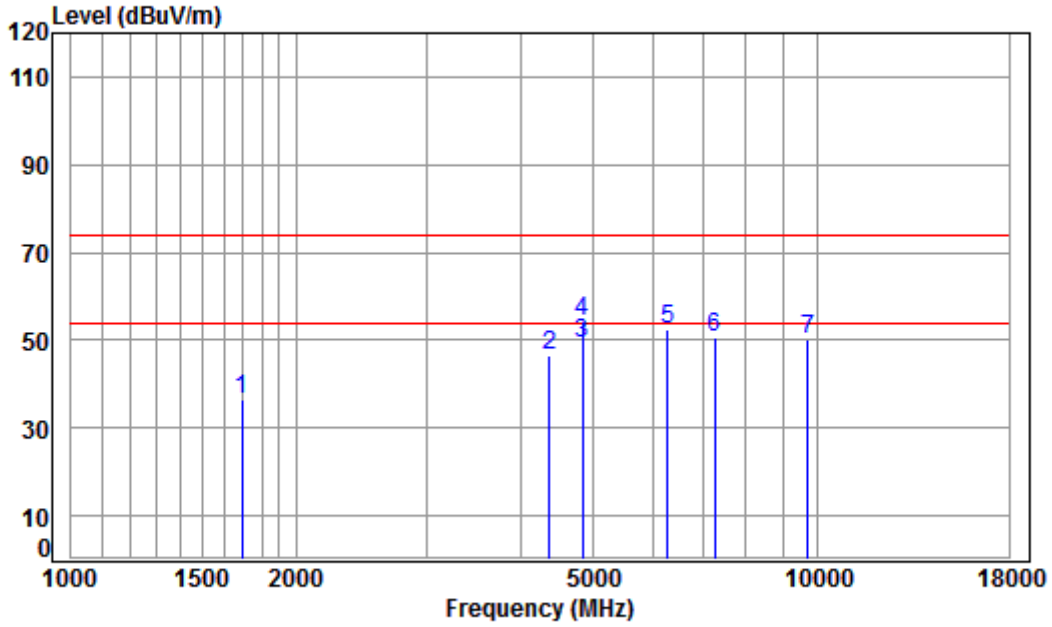
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2462 TX RSE
Note : 2.4G WIFI 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1672.779	5.26	26.56	41.52	46.19	36.49	74.00	-37.51	peak
2	4430.628	7.48	33.48	42.41	47.73	46.28	74.00	-27.72	peak
3	4924.000	8.01	34.11	42.49	48.07	47.70	74.00	-26.30	peak
4 pp	6545.263	11.41	35.63	41.18	45.93	51.79	74.00	-22.21	peak
5	7386.000	10.03	36.21	40.59	43.12	48.77	74.00	-25.23	peak
6	9848.000	10.87	37.81	37.41	40.39	51.66	74.00	-22.34	peak

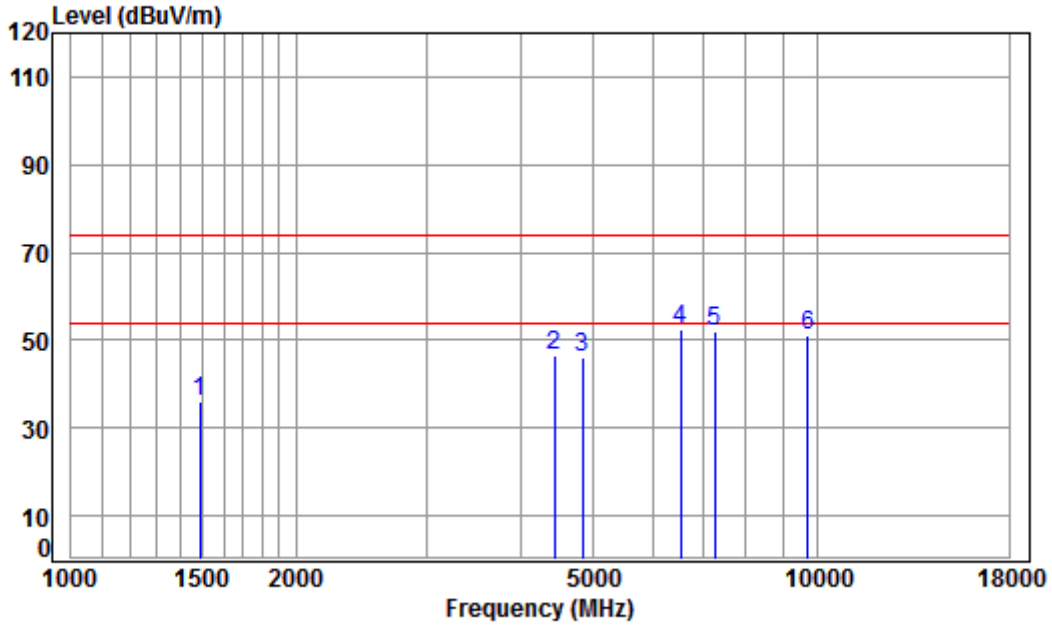
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2422 TX RSE
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1692.231	5.24	26.64	41.53	45.97	36.32	74.00	-37.68	peak
2	4367.058	7.41	33.37	42.39	48.21	46.60	74.00	-27.40	peak
3 pp	4844.000	7.93	34.02	42.48	49.68	49.15	54.00	-4.85	Average
4 pk	4844.000	7.93	34.02	42.48	54.79	54.26	74.00	-19.74	peak
5	6285.695	11.13	35.39	41.38	47.11	52.25	74.00	-21.75	peak
6	7266.000	10.06	36.12	40.67	45.34	50.85	74.00	-23.15	peak
7	9688.000	10.79	37.71	37.63	39.52	50.39	74.00	-23.61	peak

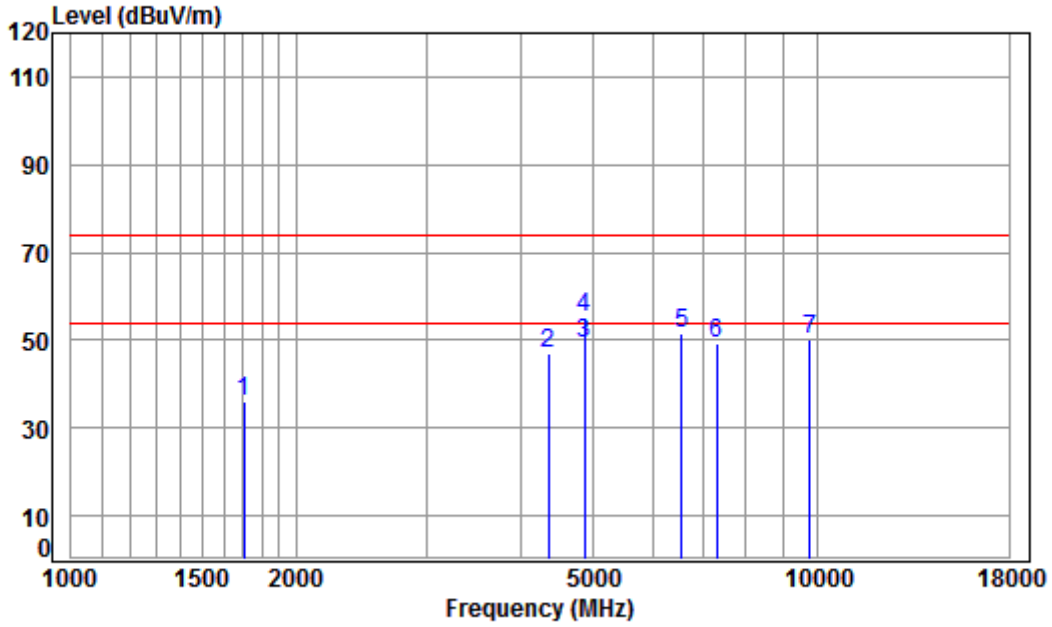
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2422 TX RSE
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1490.142	5.45	25.76	41.40	46.16	35.97	74.00	-38.03	peak
2	4430.628	7.48	33.48	42.41	48.09	46.64	74.00	-27.36	peak
3	4844.000	7.93	34.02	42.48	46.56	46.03	74.00	-27.97	peak
4 pp	6545.263	11.41	35.63	41.18	46.77	52.63	74.00	-21.37	peak
5	7266.000	10.06	36.12	40.67	46.37	51.88	74.00	-22.12	peak
6	9688.000	10.79	37.71	37.63	40.03	50.90	74.00	-23.10	peak

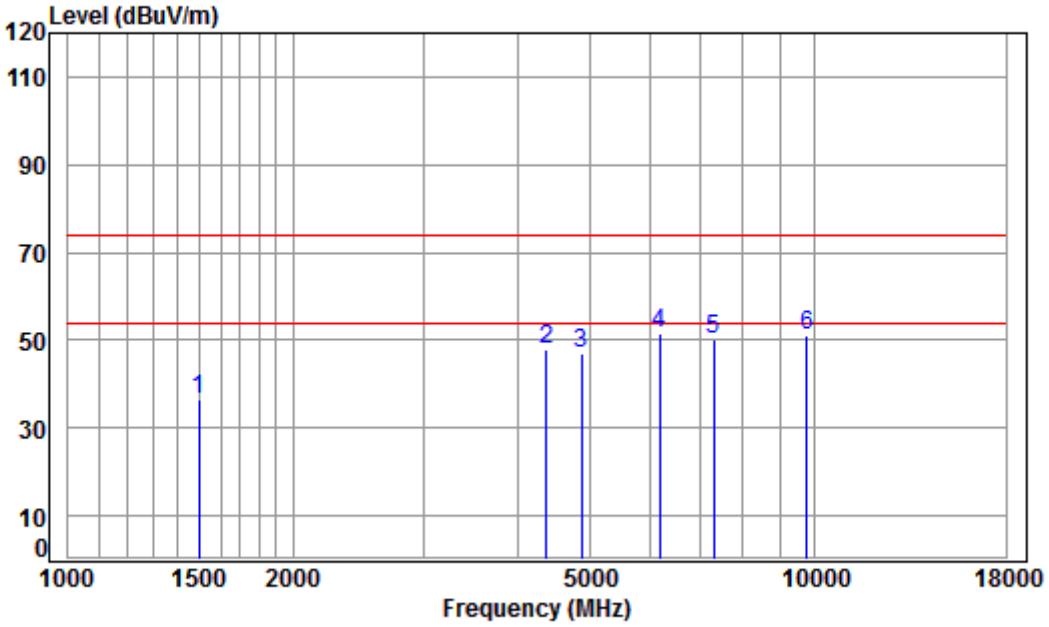
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2437 TX RSE
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1702.042	5.23	26.68	41.53	45.66	36.04	74.00	-37.96	peak
2	4354.454	7.40	33.35	42.39	48.45	46.81	74.00	-27.19	peak
3 pp	4874.000	7.96	34.05	42.48	49.82	49.35	54.00	-4.65	Average
4 pk	4874.000	7.96	34.05	42.48	55.80	55.33	74.00	-18.67	peak
5	6564.209	11.35	35.64	41.17	45.81	51.63	74.00	-22.37	peak
6	7311.000	10.05	36.15	40.64	43.89	49.45	74.00	-24.55	peak
7	9748.000	10.82	37.75	37.54	39.08	50.11	74.00	-23.89	peak

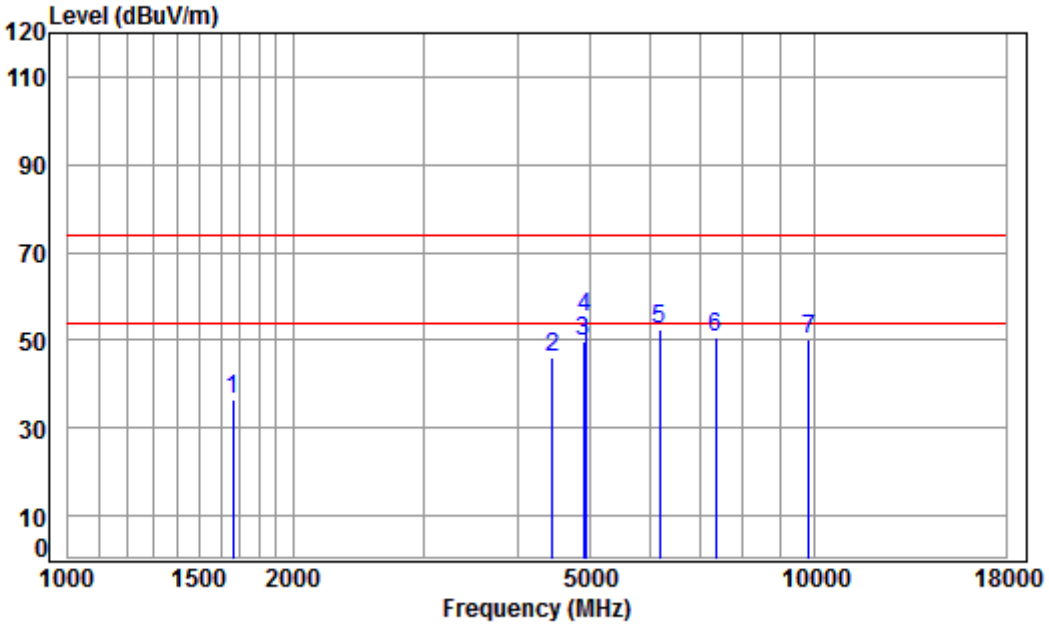
Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2437 TX RSE
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1498.781	5.48	25.80	41.41	46.66	36.53	74.00	-37.47	peak
2	4367.058	7.41	33.37	42.39	49.68	48.07	74.00	-25.93	peak
3	4874.000	7.96	34.05	42.48	47.65	47.18	74.00	-26.82	peak
4 pp	6195.508	10.96	35.30	41.45	46.64	51.45	74.00	-22.55	peak
5	7311.000	10.05	36.15	40.64	44.47	50.03	74.00	-23.97	peak
6	9748.000	10.82	37.75	37.54	40.20	51.23	74.00	-22.77	peak

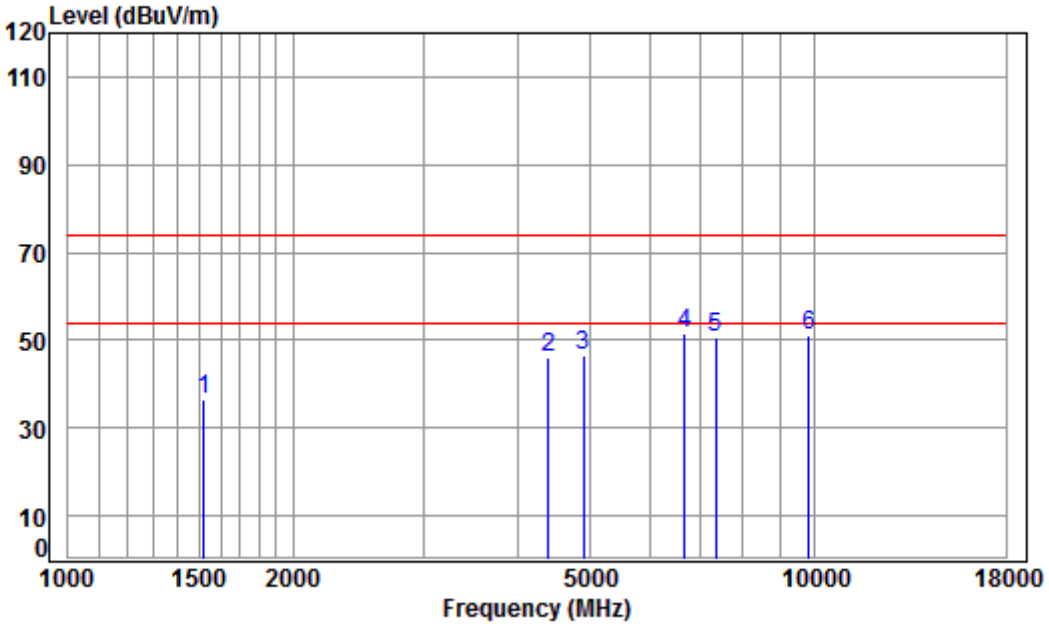
Mode:b; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03478CR
Mode : 2452 TX RSE
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1663.137	5.27	26.52	41.51	46.09	36.37	74.00	-37.63	peak
2	4456.315	7.51	33.53	42.41	47.33	45.96	74.00	-28.04	peak
3 pp	4904.000	7.99	34.09	42.48	50.09	49.69	54.00	-4.31	Average
4 pk	4924.000	7.99	34.09	42.48	55.73	55.33	74.00	-18.67	peak
5	6195.508	10.96	35.30	41.45	47.58	52.39	74.00	-21.61	peak
6	7356.000	10.04	36.19	40.61	44.86	50.48	74.00	-23.52	peak
7	9808.000	10.85	37.79	37.46	38.90	50.08	74.00	-23.92	peak

Mode:b; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High

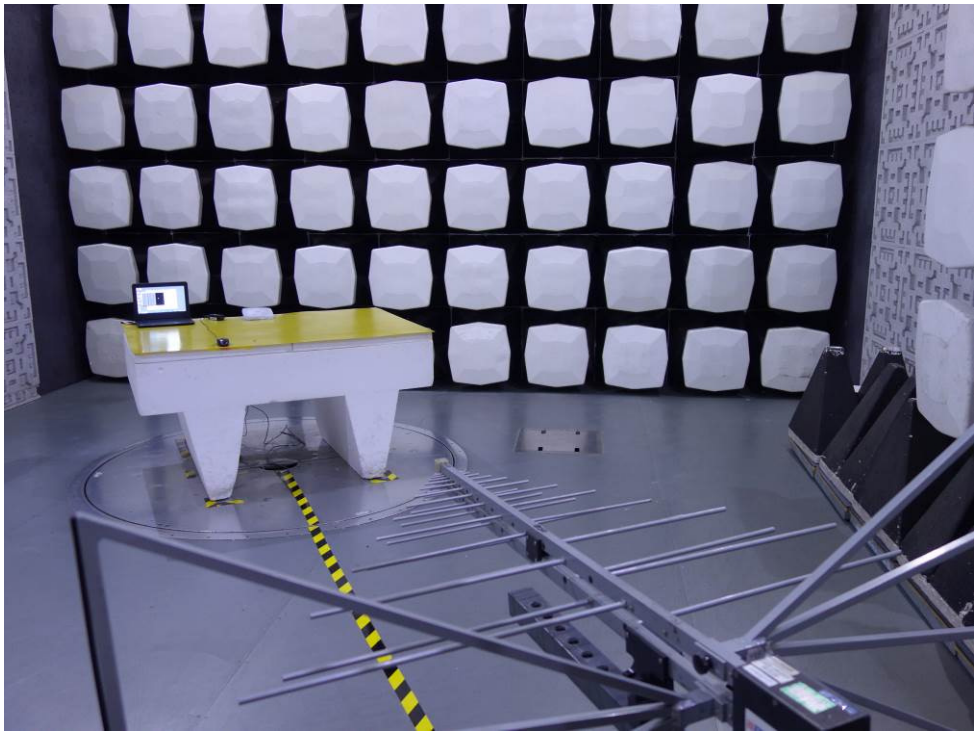


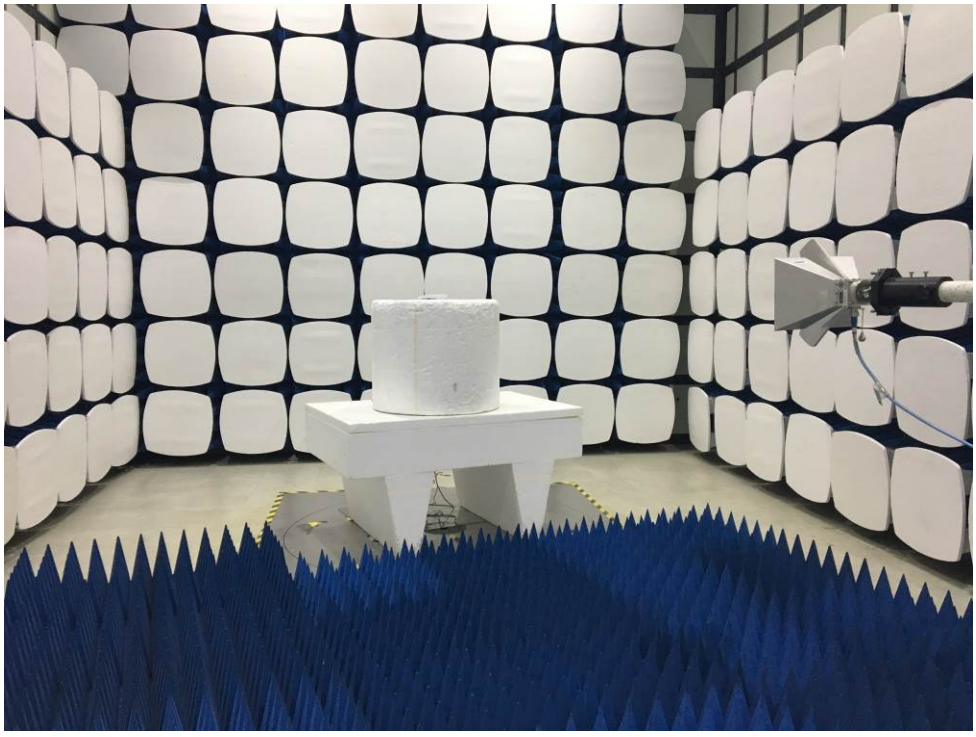
Condition: 3m VERTICAL
Job No : 03478CR
Mode : 2452 TX RSE
Note : 2.4G WIFI 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1520.598	5.45	25.89	41.42	46.60	36.52	74.00	-37.48	peak
2	4392.376	7.44	33.42	42.40	47.76	46.22	74.00	-27.78	peak
3	4904.000	7.99	34.09	42.48	46.98	46.58	74.00	-27.42	peak
4 pp	6698.373	10.97	35.72	41.07	45.98	51.60	74.00	-22.40	peak
5	7356.000	10.04	36.19	40.61	44.88	50.50	74.00	-23.50	peak
6	9808.000	10.85	37.79	37.46	40.13	51.31	74.00	-22.69	peak

8 Photographs

8.1 Radiated Spurious Emissions Test Setup





8.2 EUT Constructional Details (EUT Photos)

Please Refer to external and internal photos for details.

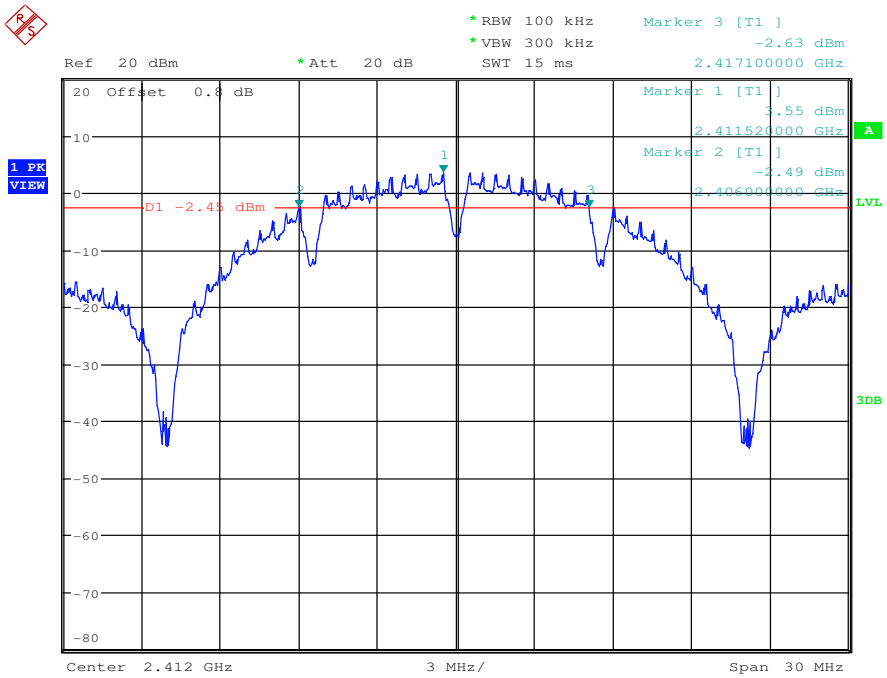
9 Appendix

9.1 Appendix 15.247

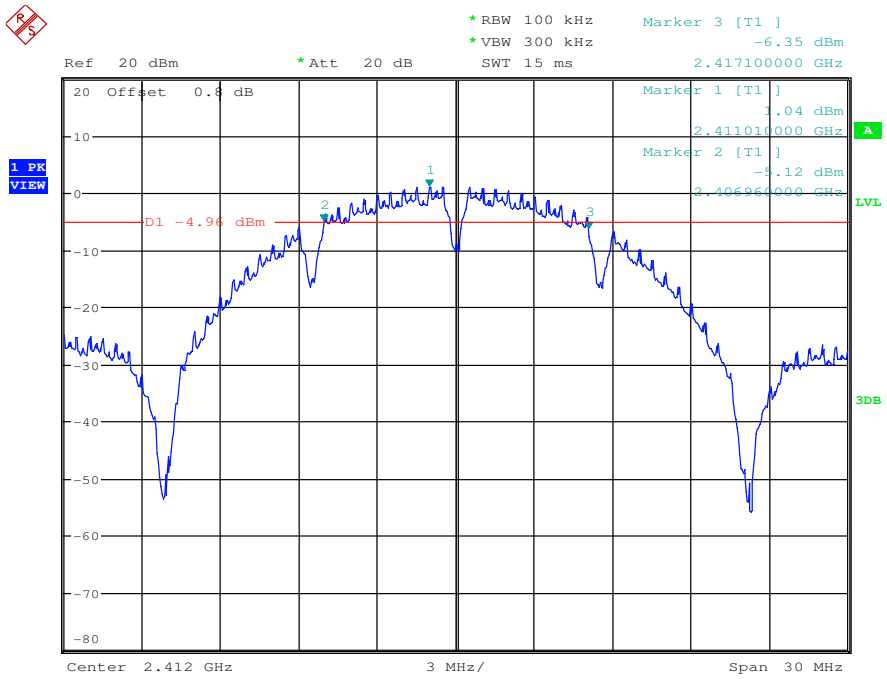
1.6dB Bandwidth

Test Mode	Test Channel	Ant	EBW[MHz]	Limit[MHz]	Verdict
11B	2412	Ant1	11.100	>=0.5	PASS
11B	2412	Ant2	10.140	>=0.5	PASS
11B	2437	Ant1	11.130	>=0.5	PASS
11B	2437	Ant2	10.170	>=0.5	PASS
11B	2462	Ant1	11.130	>=0.5	PASS
11B	2462	Ant2	10.110	>=0.5	PASS
11G	2412	Ant1	15.120	>=0.5	PASS
11G	2412	Ant2	15.120	>=0.5	PASS
11G	2437	Ant1	15.180	>=0.5	PASS
11G	2437	Ant2	15.180	>=0.5	PASS
11G	2462	Ant1	15.105	>=0.5	PASS
11G	2462	Ant2	15.120	>=0.5	PASS
11N20SISO	2412	Ant1	15.150	>=0.5	PASS
11N20SISO	2412	Ant2	15.150	>=0.5	PASS
11N20SISO	2437	Ant1	15.180	>=0.5	PASS
11N20SISO	2437	Ant2	15.180	>=0.5	PASS
11N20SISO	2462	Ant1	15.150	>=0.5	PASS
11N20SISO	2462	Ant2	15.120	>=0.5	PASS
11N40SISO	2422	Ant1	33.900	>=0.5	PASS
11N40SISO	2422	Ant2	35.160	>=0.5	PASS
11N40SISO	2437	Ant1	32.700	>=0.5	PASS
11N40SISO	2437	Ant2	32.700	>=0.5	PASS
11N40SISO	2452	Ant1	32.700	>=0.5	PASS
11N40SISO	2452	Ant2	32.700	>=0.5	PASS

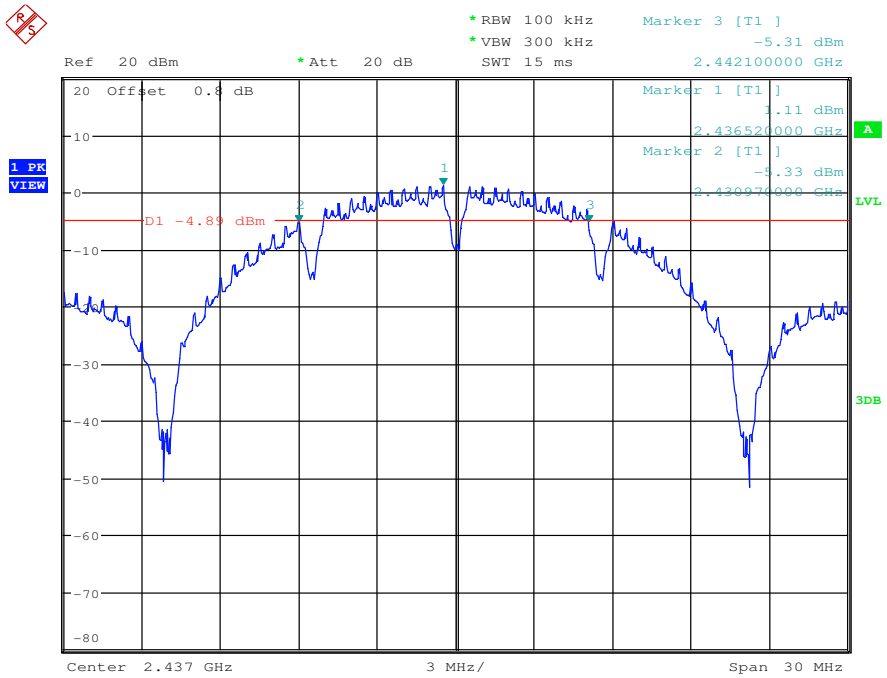
6dB Bandwidth_11B_2412_Ant1



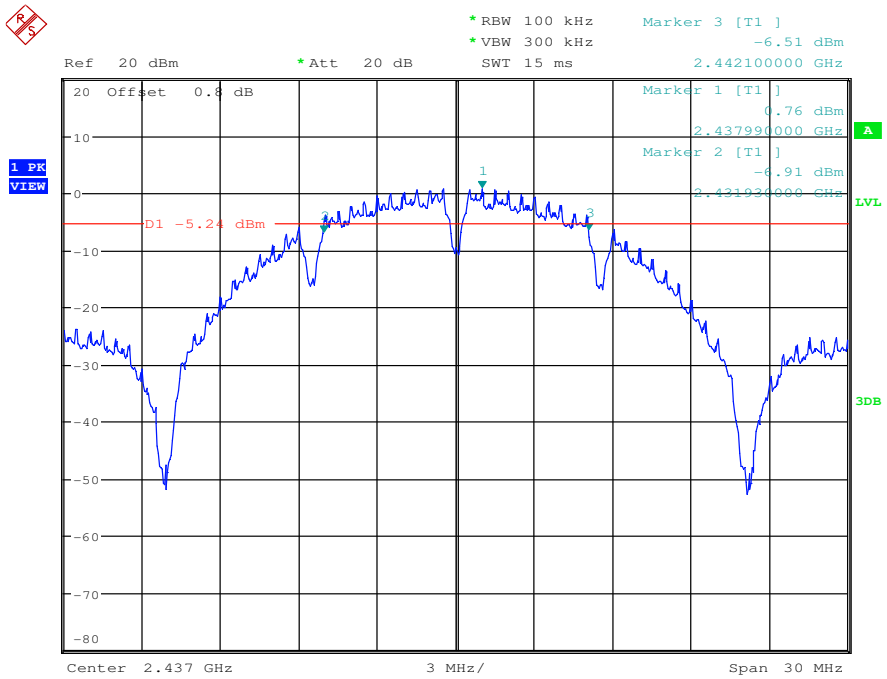
6dB Bandwidth_11B_2412_Ant2



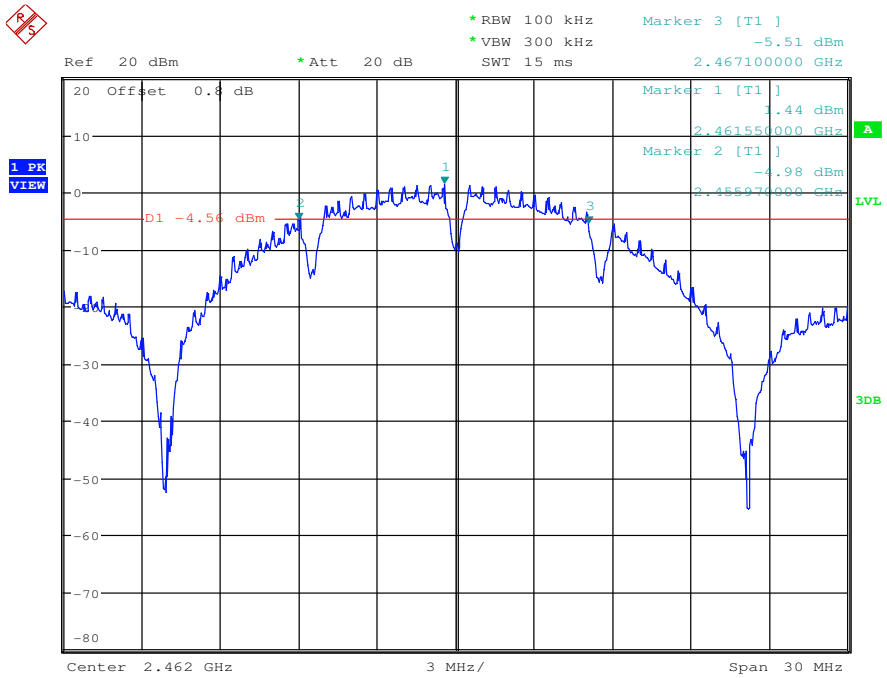
6dB Bandwidth_11B_2437_Ant1



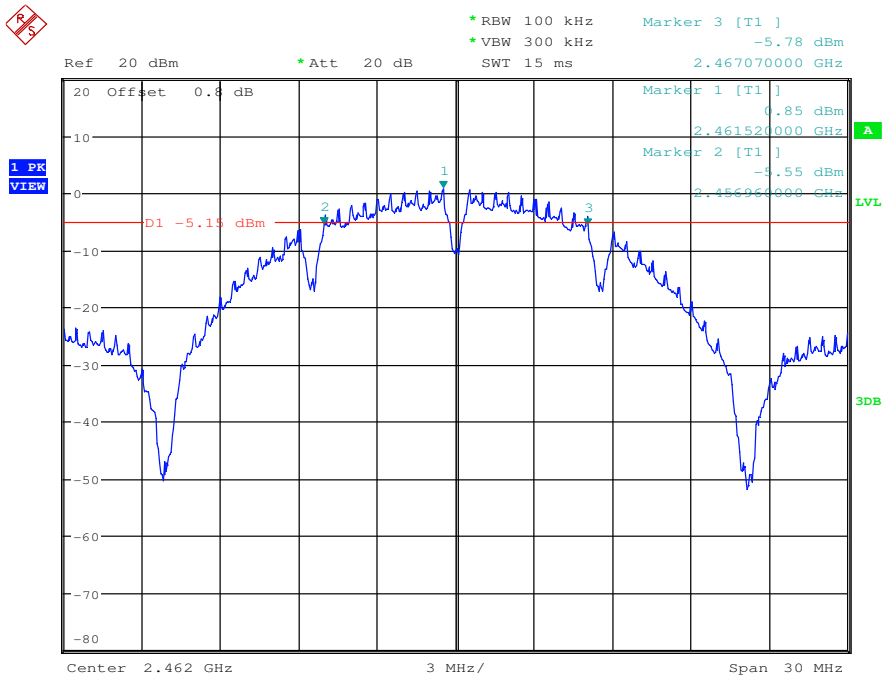
6dB Bandwidth_11B_2437_Ant2



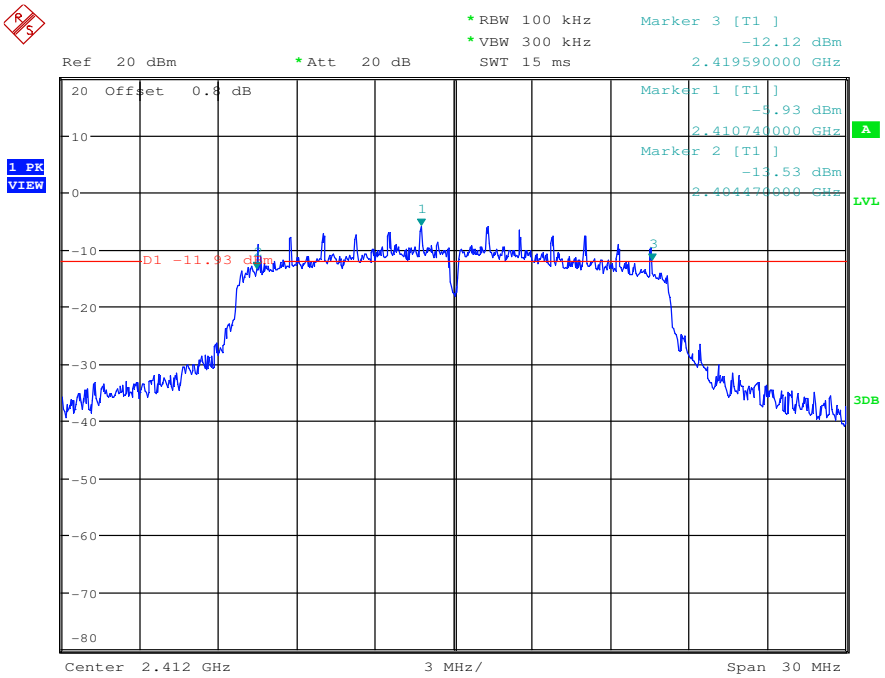
6dB Bandwidth_11B_2462_Ant1



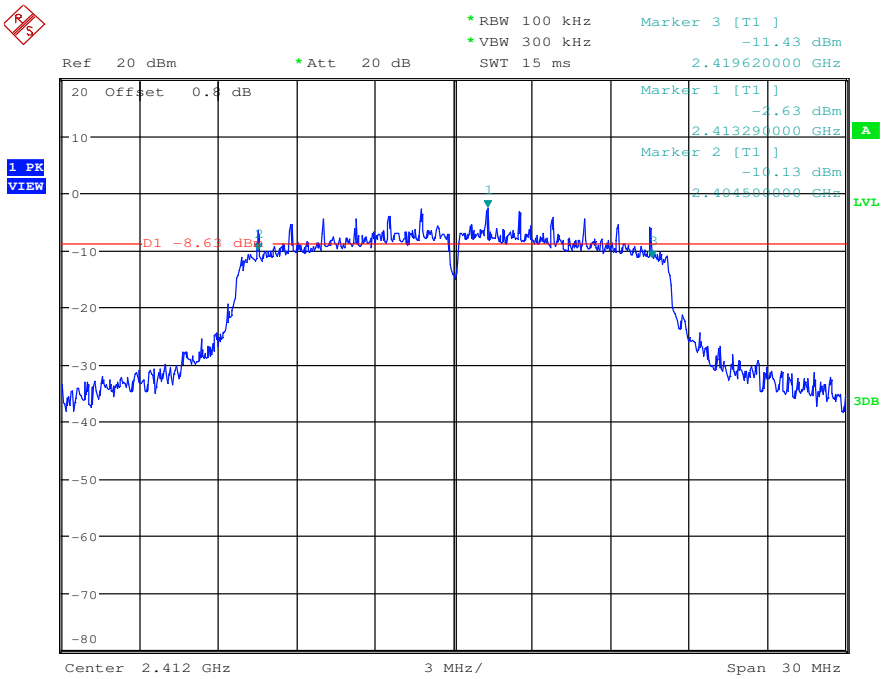
6dB Bandwidth_11B_2462_Ant2



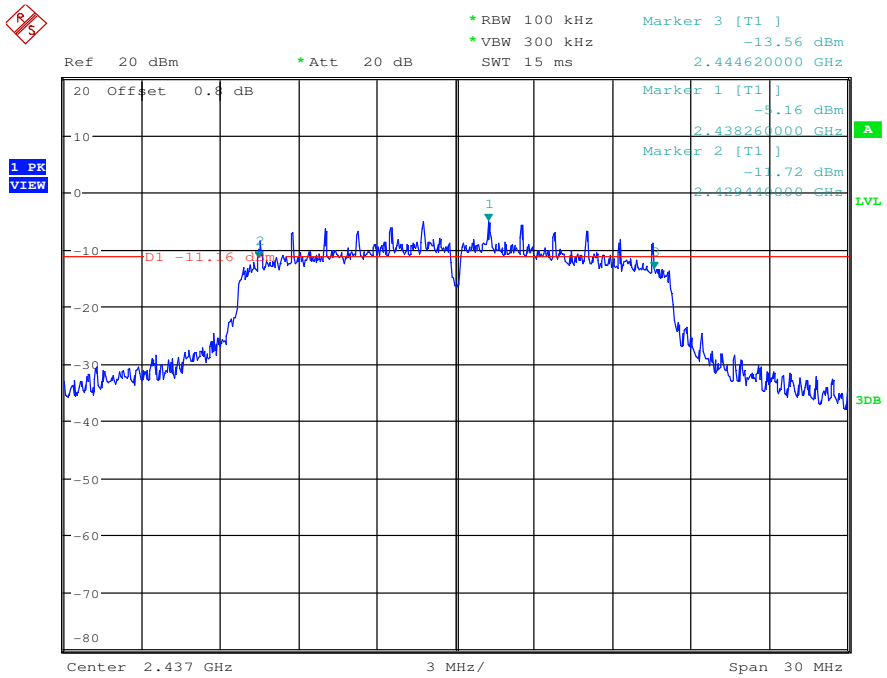
6dB Bandwidth_11G_2412_Ant1



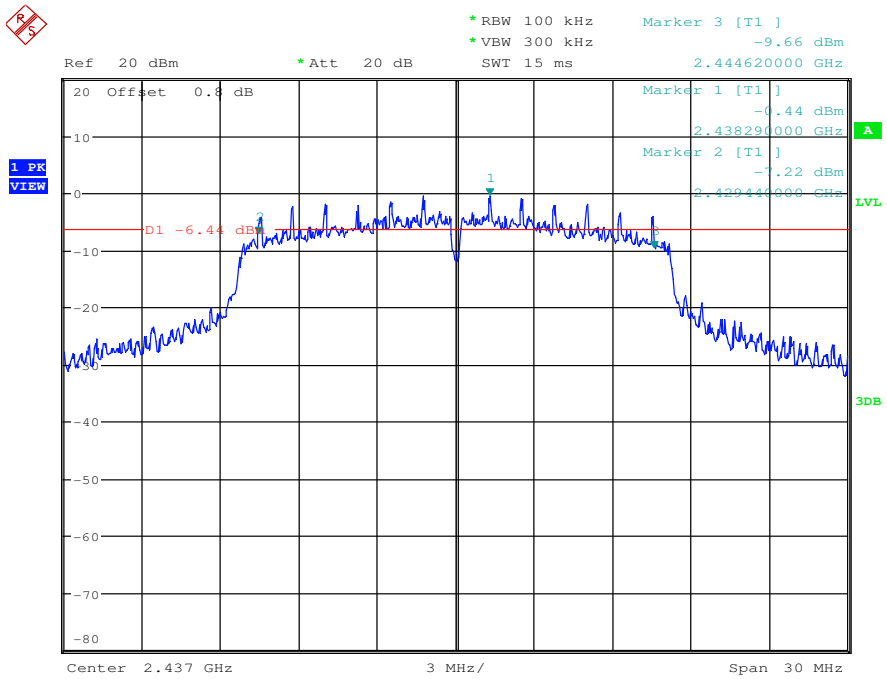
6dB Bandwidth_11G_2412_Ant2



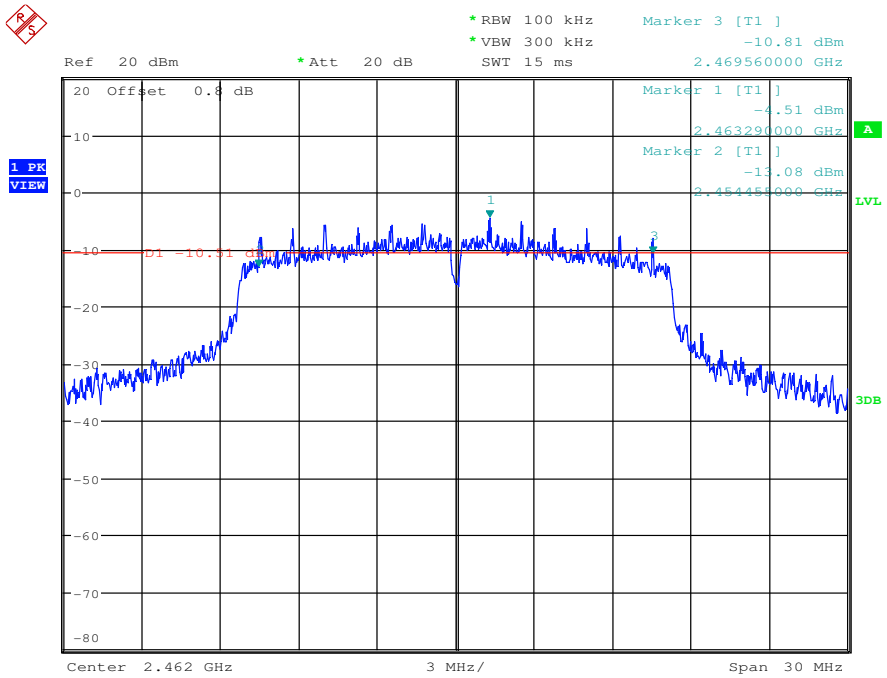
6dB Bandwidth_11G_2437_Ant1



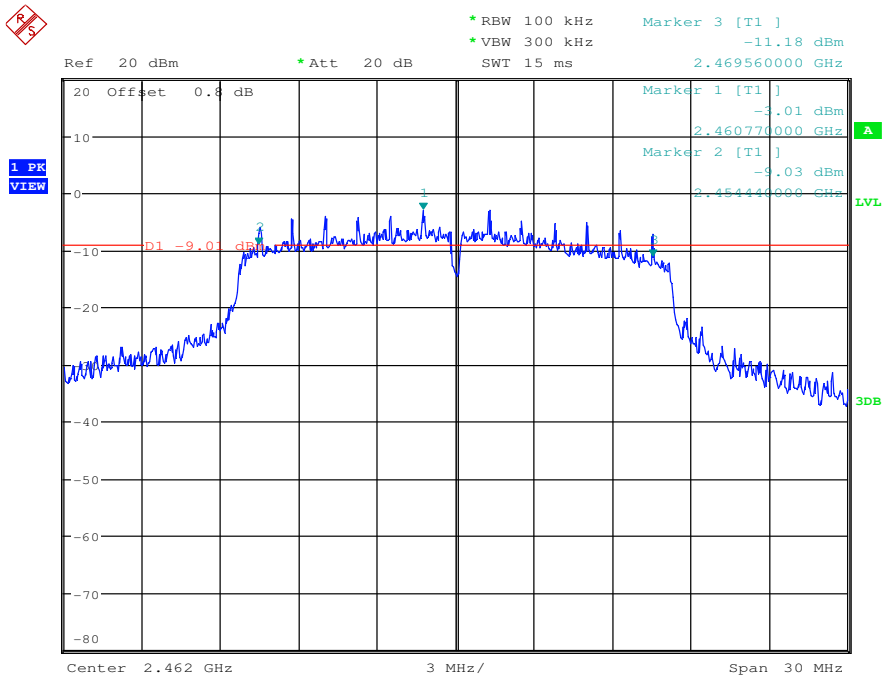
6dB Bandwidth_11G_2437_Ant2



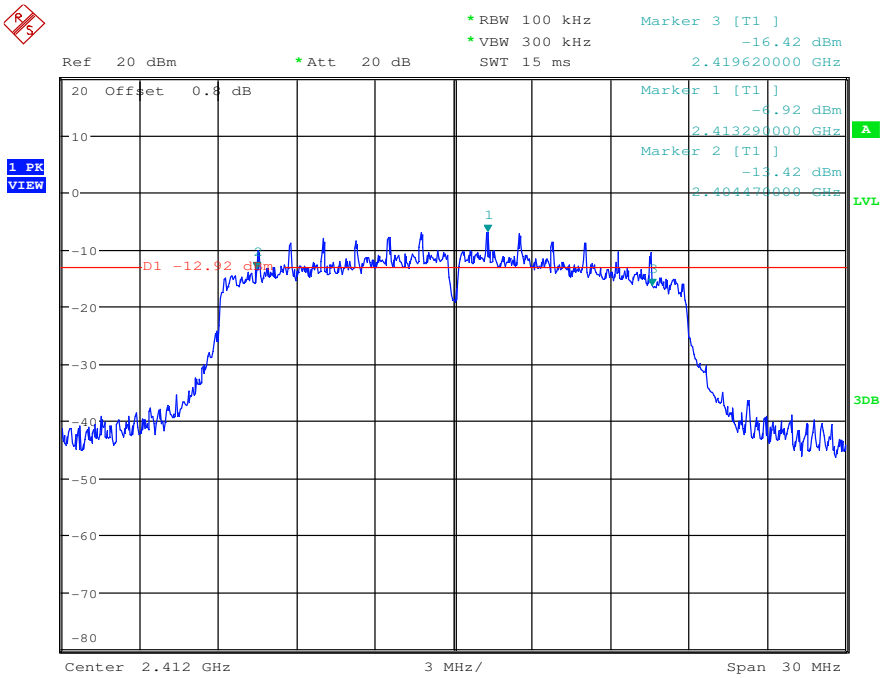
6dB Bandwidth_11G_2462_Ant1



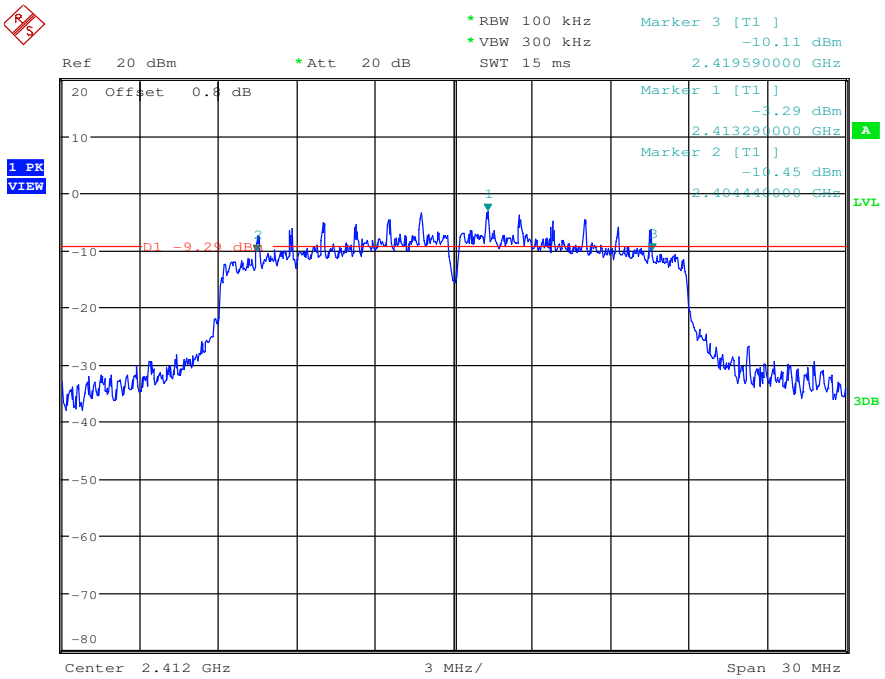
6dB Bandwidth_11G_2462_Ant2



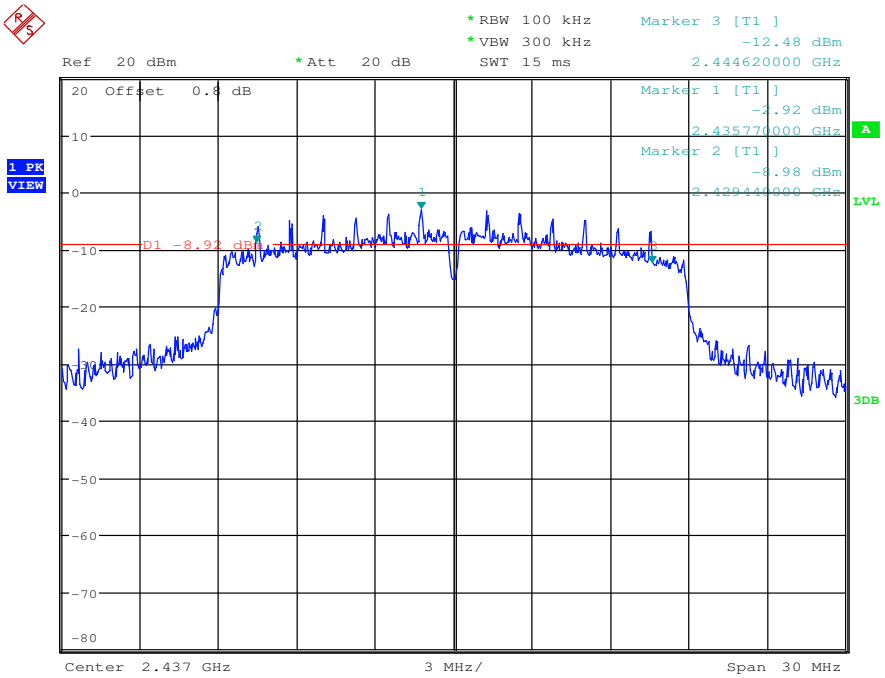
6dB Bandwidth_11N20SISO_2412_Ant1



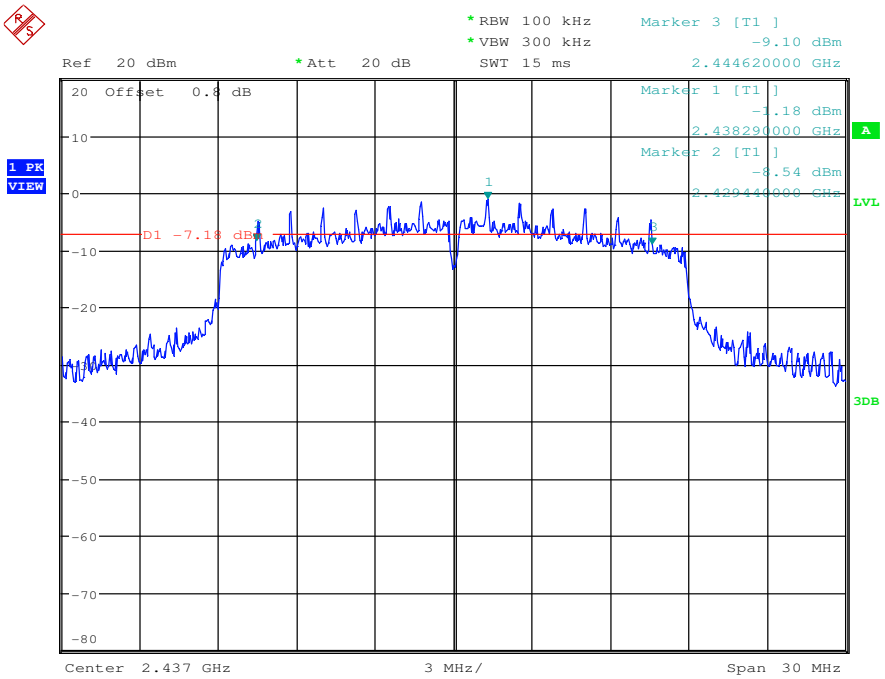
6dB Bandwidth_11N20SISO_2412_Ant2



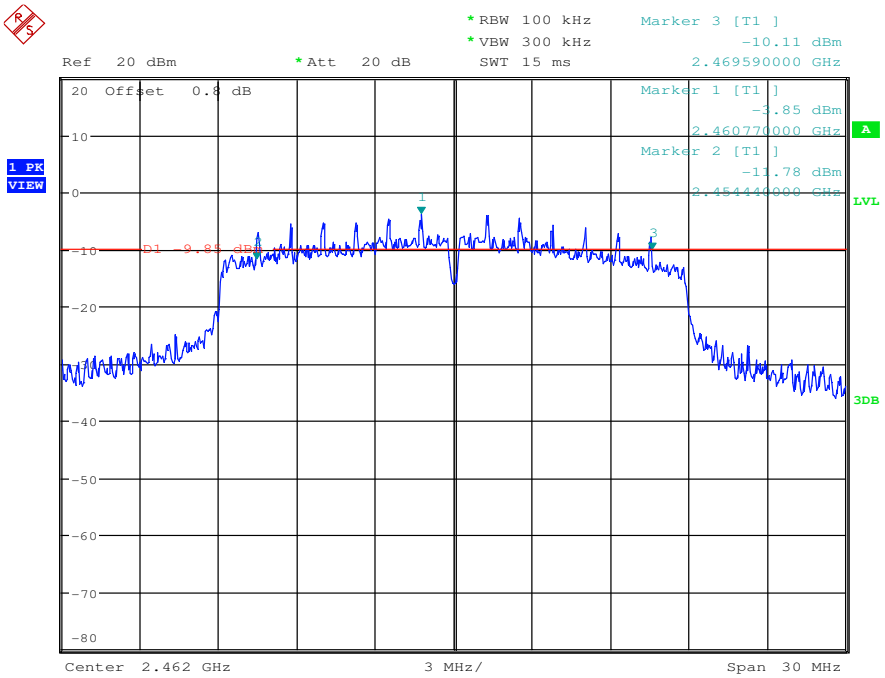
6dB Bandwidth_11N20SISO_2437_Ant1



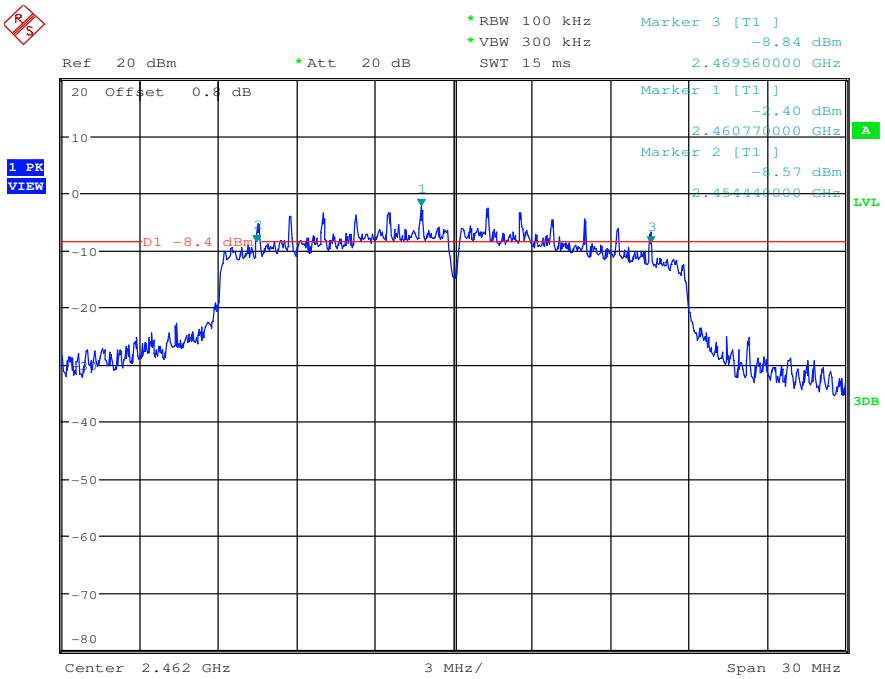
6dB Bandwidth_11N20SISO_2437_Ant2



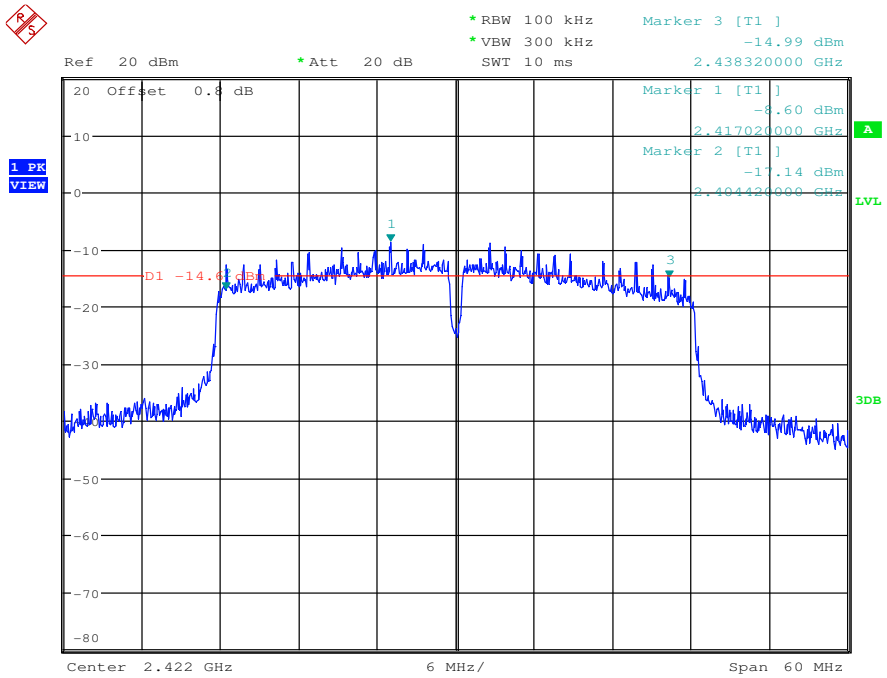
6dB Bandwidth_11N20SISO_2462_Ant1



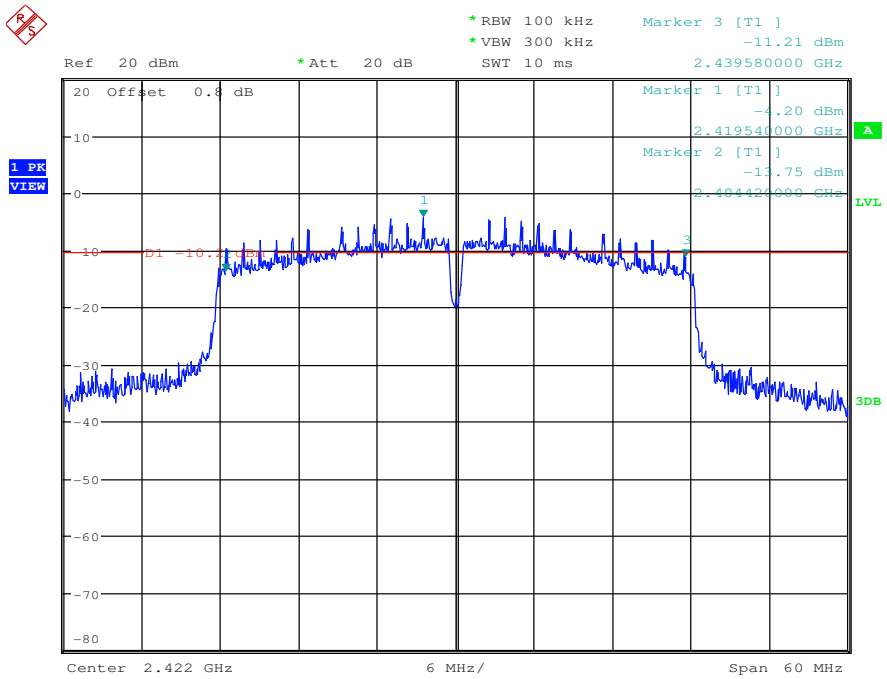
6dB Bandwidth_11N20SISO_2462_Ant2



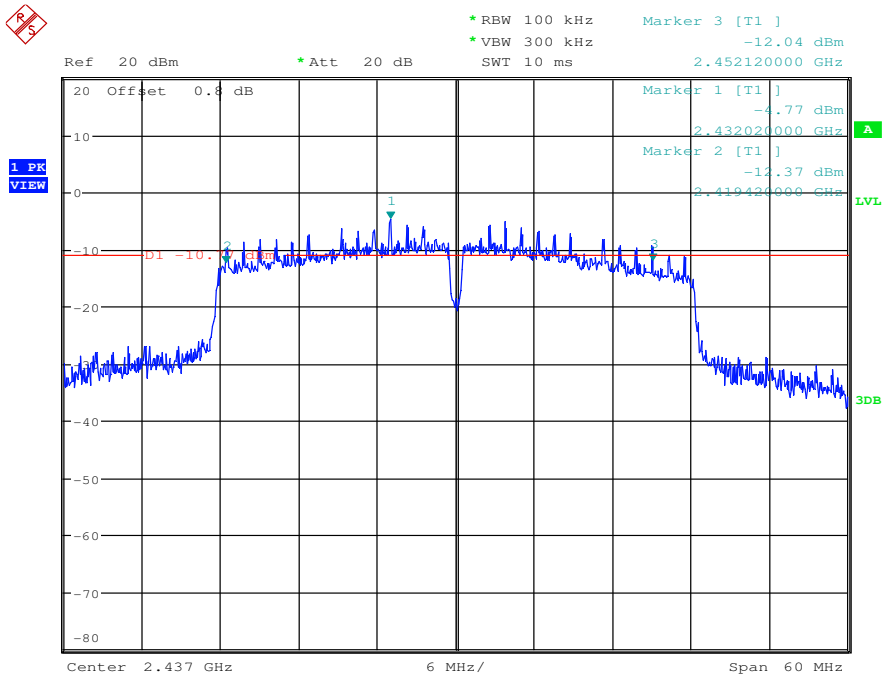
6dB Bandwidth_11N40SISO_2422_Ant1



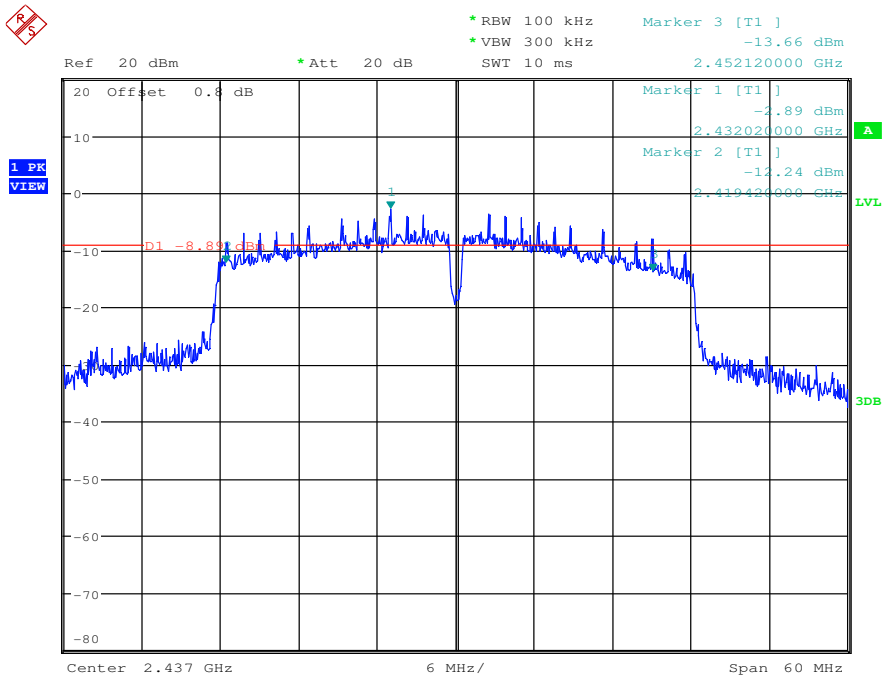
6dB Bandwidth_11N40SISO_2422_Ant2



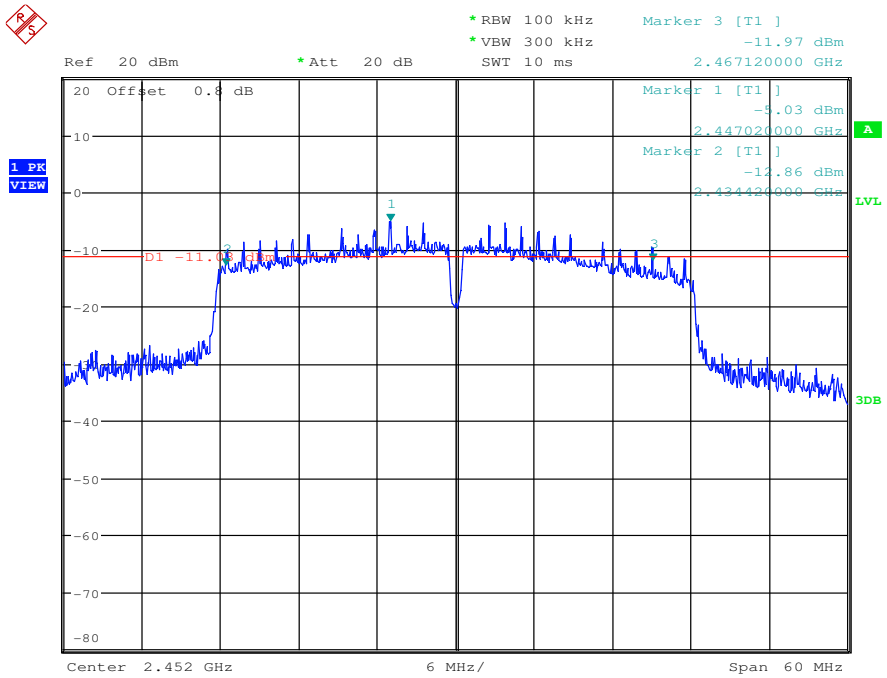
6dB Bandwidth_11N40SISO_2437_Ant1



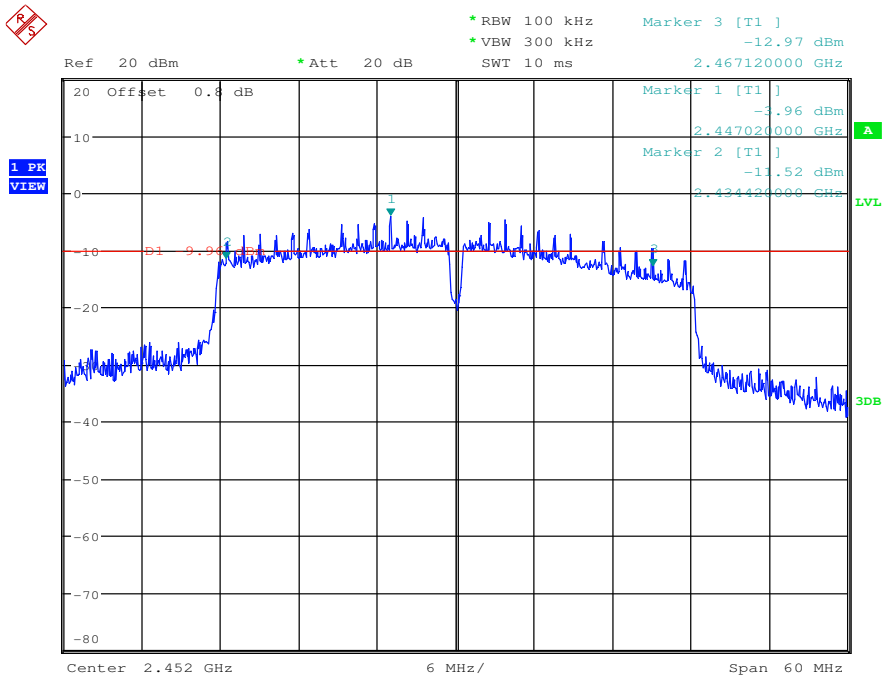
6dB Bandwidth_11N40SISO_2437_Ant2



6dB Bandwidth_11N40SISO_2452_Ant1



6dB Bandwidth_11N40SISO_2452_Ant2



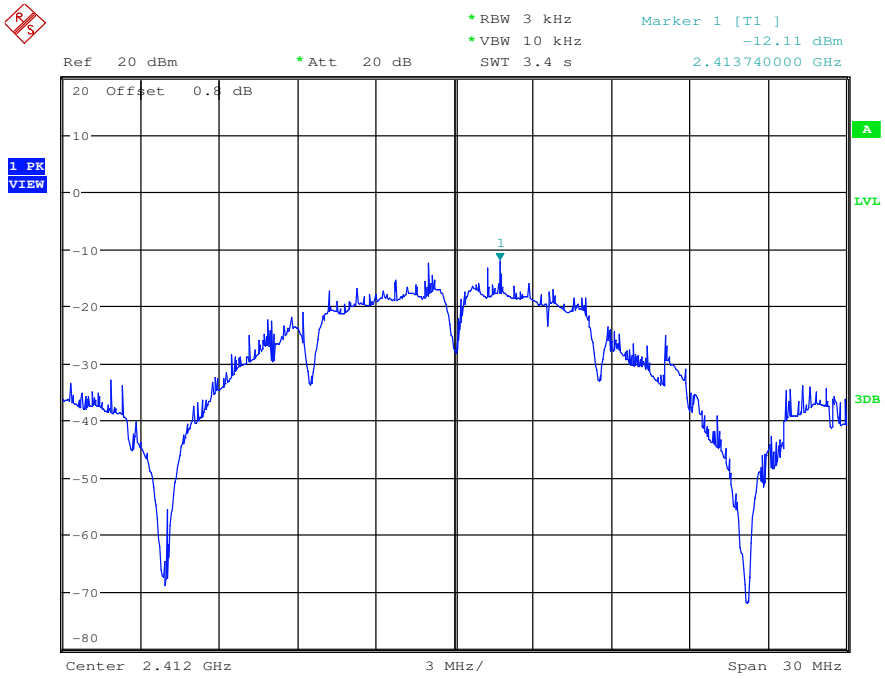
3.Maximum peak conducted output power

Test Mode	Test Channel	Ant	Power[dBm]	Limit[dBm]	Verdict
11B	2412	Ant1	17.57	<30	PASS
11B	2412	Ant2	16.58	<30	PASS
11B	2437	Ant1	17.44	<30	PASS
11B	2437	Ant2	16.11	<30	PASS
11B	2462	Ant1	14.99	<30	PASS
11B	2462	Ant2	15.51	<30	PASS
11G	2412	Ant1	16.65	<30	PASS
11G	2412	Ant2	15.79	<30	PASS
11G	2437	Ant1	15.84	<30	PASS
11G	2437	Ant2	**17.78**	<30	PASS
11G	2462	Ant1	15.86	<30	PASS
11G	2462	Ant2	16.4	<30	PASS
11N20SISO	2412	Ant1	15.56	<30	PASS
11N20SISO	2412	Ant2	16.32	<30	PASS
11N20SISO	2437	Ant1	16.27	<30	PASS
11N20SISO	2437	Ant2	16.95	<30	PASS
11N20SISO	2462	Ant1	15.47	<30	PASS
11N20SISO	2462	Ant2	16.32	<30	PASS
11N40SISO	2422	Ant1	16.89	<30	PASS
11N40SISO	2422	Ant2	16.74	<30	PASS
11N40SISO	2437	Ant1	17.07	<30	PASS
11N40SISO	2437	Ant2	17.74	<30	PASS
11N40SISO	2452	Ant1	16.14	<30	PASS
11N40SISO	2452	Ant2	16.67	<30	PASS

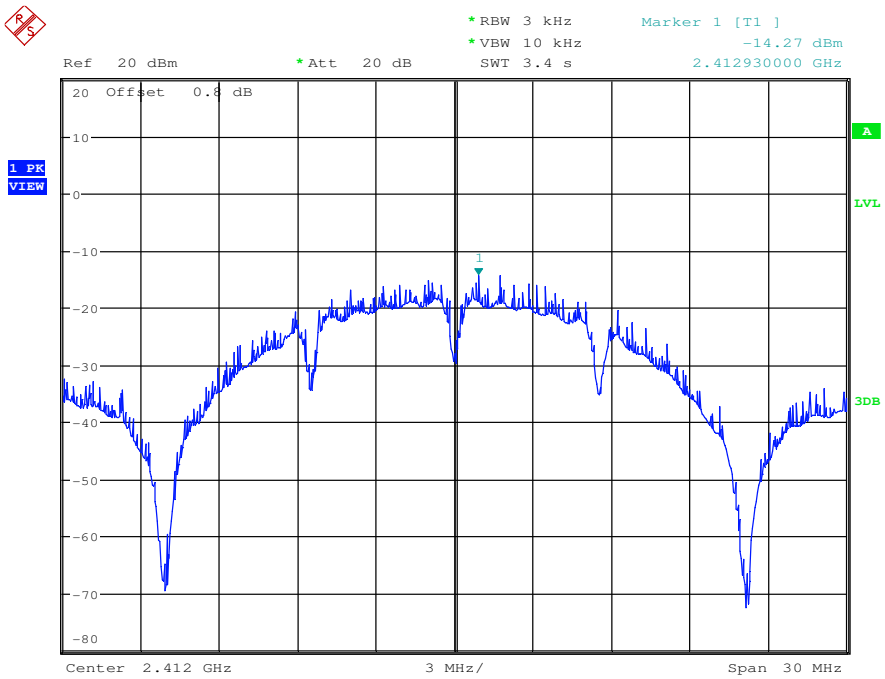
4.Maximum Peak power spectral density

Test Mode	Test Channel	Ant	PSD[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	2412	Ant1	-12.11	<8.00	PASS
11B	2412	Ant2	-14.27	<8.00	PASS
11B	2437	Ant1	-15.62	<8.00	PASS
11B	2437	Ant2	-14.2	<8.00	PASS
11B	2462	Ant1	-15.08	<8.00	PASS
11B	2462	Ant2	-15.44	<8.00	PASS
11G	2412	Ant1	-18.57	<8.00	PASS
11G	2412	Ant2	-18.63	<8.00	PASS
11G	2437	Ant1	-19	<8.00	PASS
11G	2437	Ant2	-17	<8.00	PASS
11G	2462	Ant1	-19.46	<8.00	PASS
11G	2462	Ant2	-17.63	<8.00	PASS
11N20SISO	2412	Ant1	-18.34	<8.00	PASS
11N20SISO	2412	Ant2	-17.81	<8.00	PASS
11N20SISO	2437	Ant1	-17.25	<8.00	PASS
11N20SISO	2437	Ant2	-17.33	<8.00	PASS
11N20SISO	2462	Ant1	-18.68	<8.00	PASS
11N20SISO	2462	Ant2	-18.26	<8.00	PASS
11N40SISO	2422	Ant1	-21.7	<8.00	PASS
11N40SISO	2422	Ant2	-21.8	<8.00	PASS
11N40SISO	2437	Ant1	-20.57	<8.00	PASS
11N40SISO	2437	Ant2	-19.28	<8.00	PASS
11N40SISO	2452	Ant1	-21.07	<8.00	PASS
11N40SISO	2452	Ant2	-20.22	<8.00	PASS

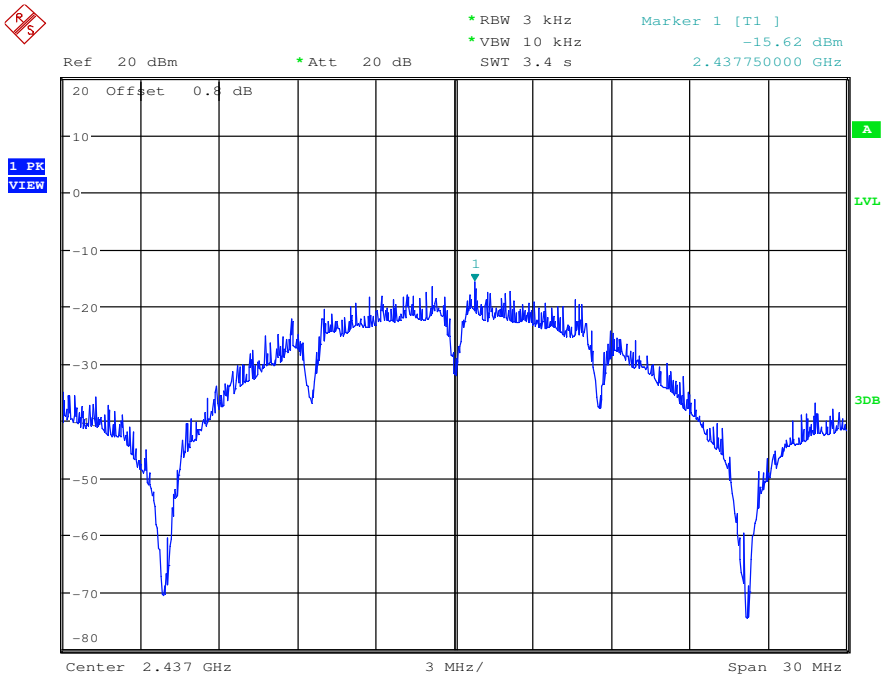
Maximum Peak power spectral density_11B_2412_Ant1



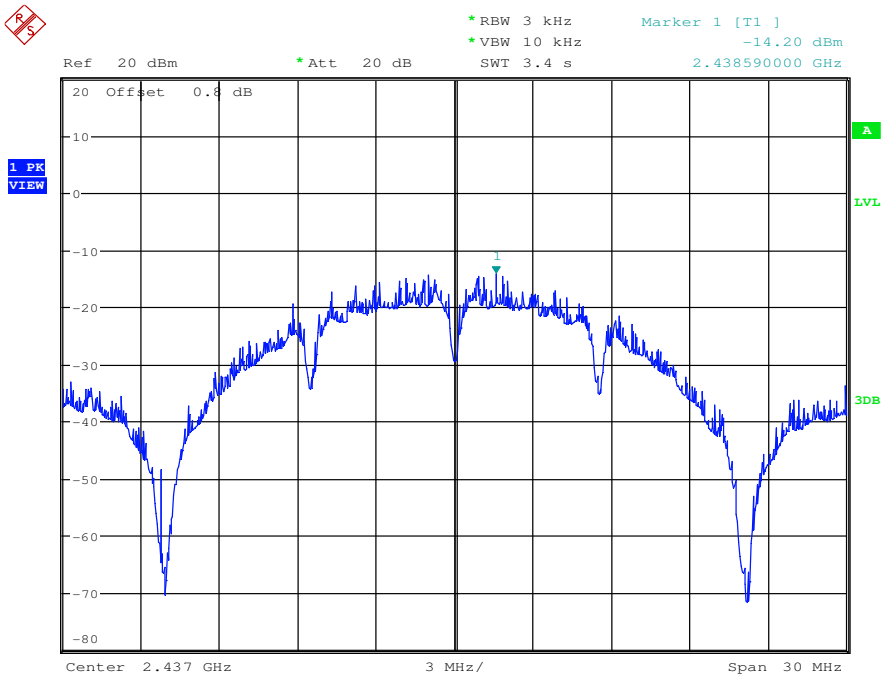
Maximum Peak power spectral density_11B_2412_Ant2



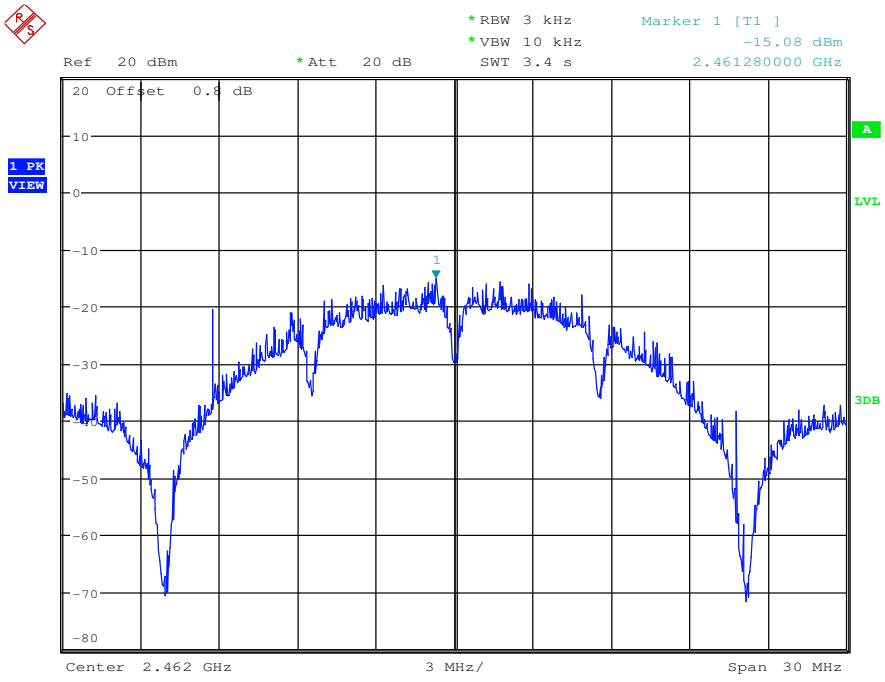
Maximum Peak power spectral density_11B_2437_Ant1



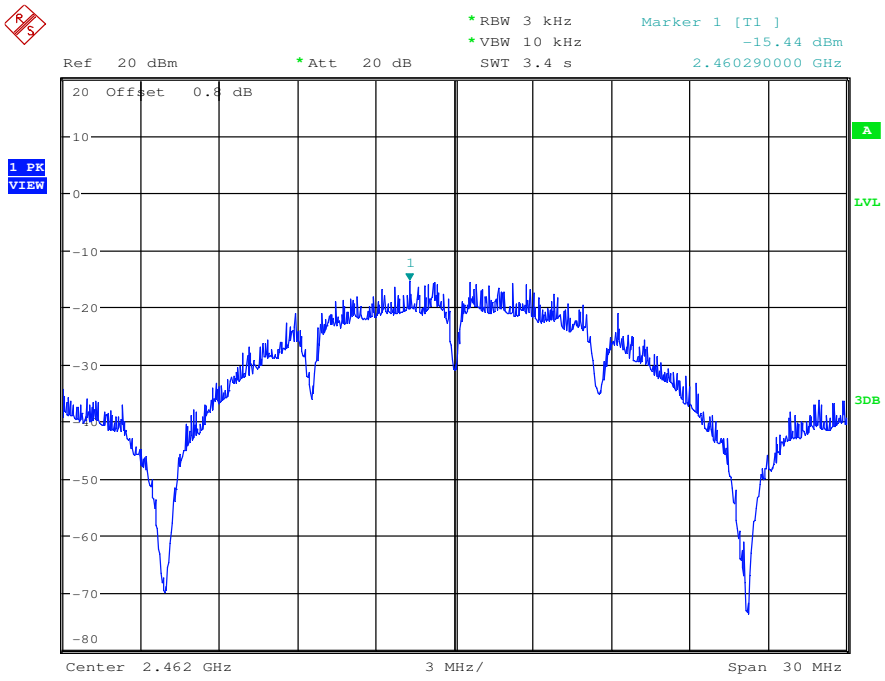
Maximum Peak power spectral density_11B_2437_Ant2



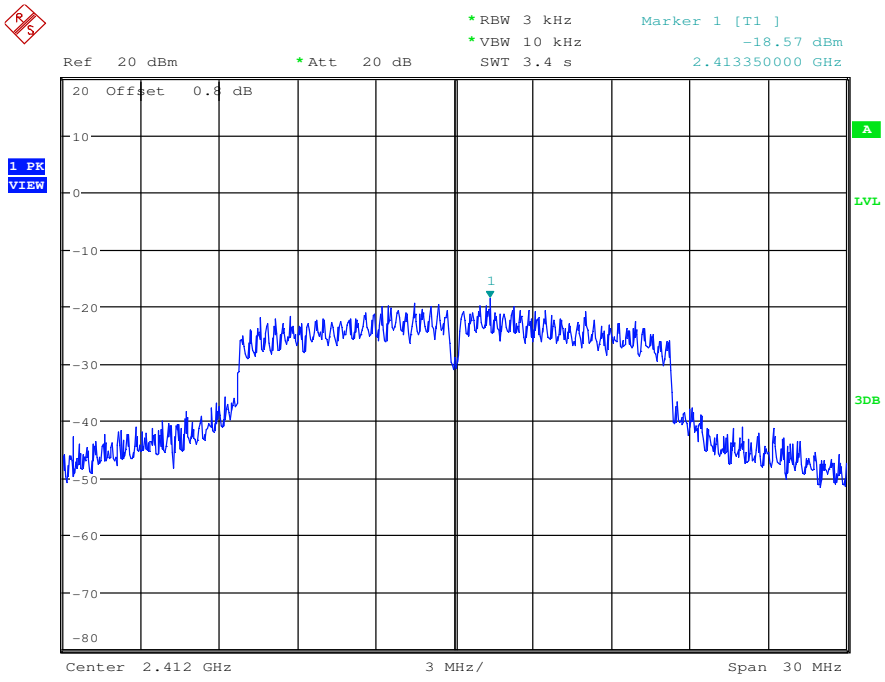
Maximum Peak power spectral density_11B_2462_Ant1



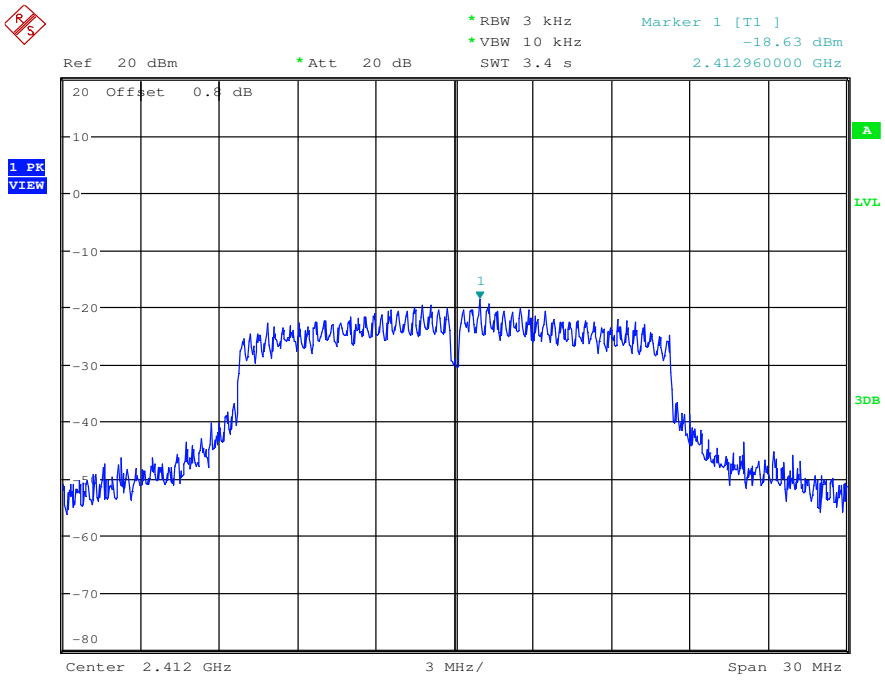
Maximum Peak power spectral density_11B_2462_Ant2



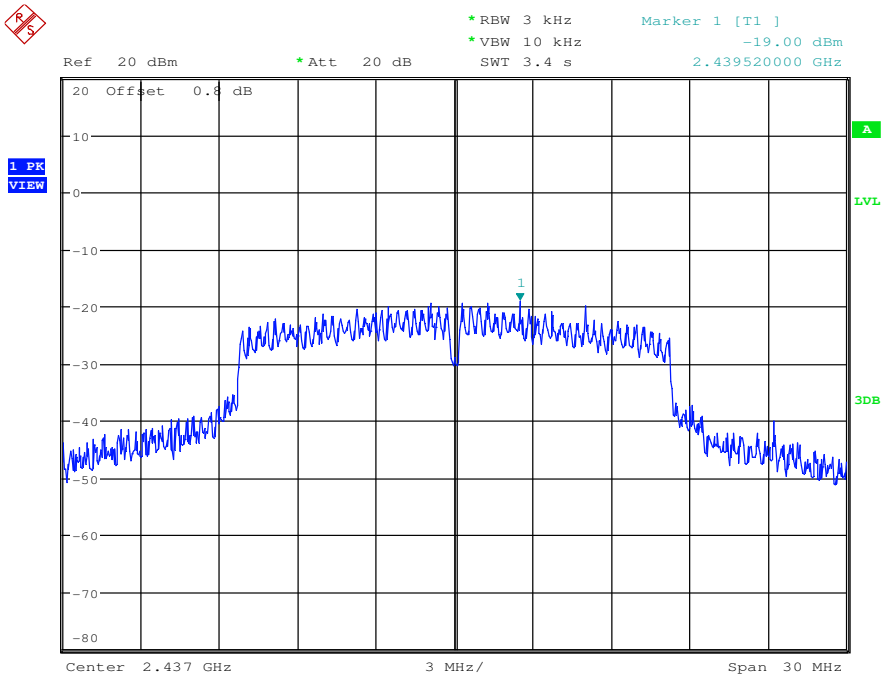
Maximum Peak power spectral density_11G_2412_Ant1



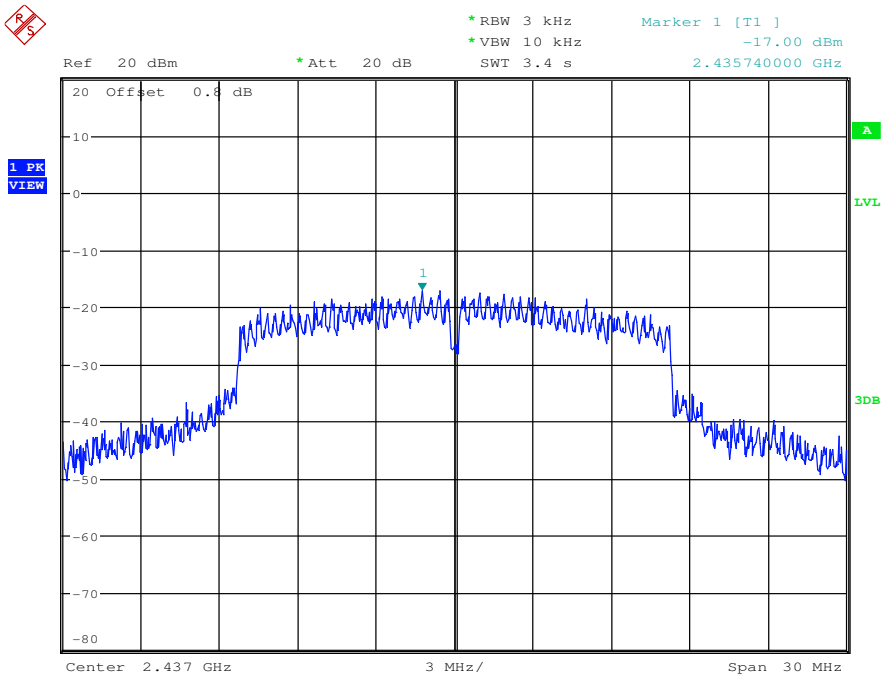
Maximum Peak power spectral density_11G_2412_Ant2



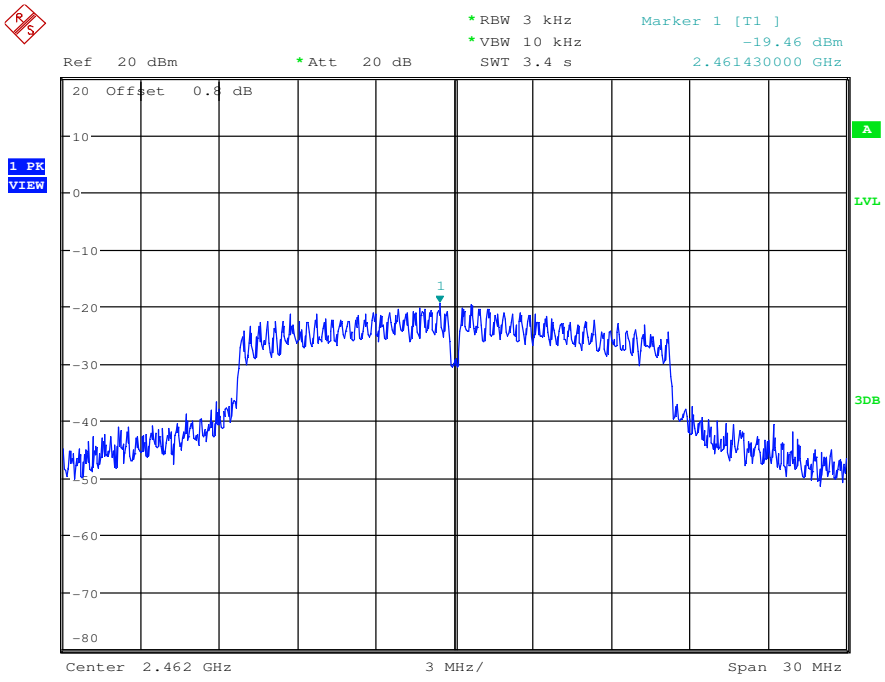
Maximum Peak power spectral density_11G_2437_Ant1



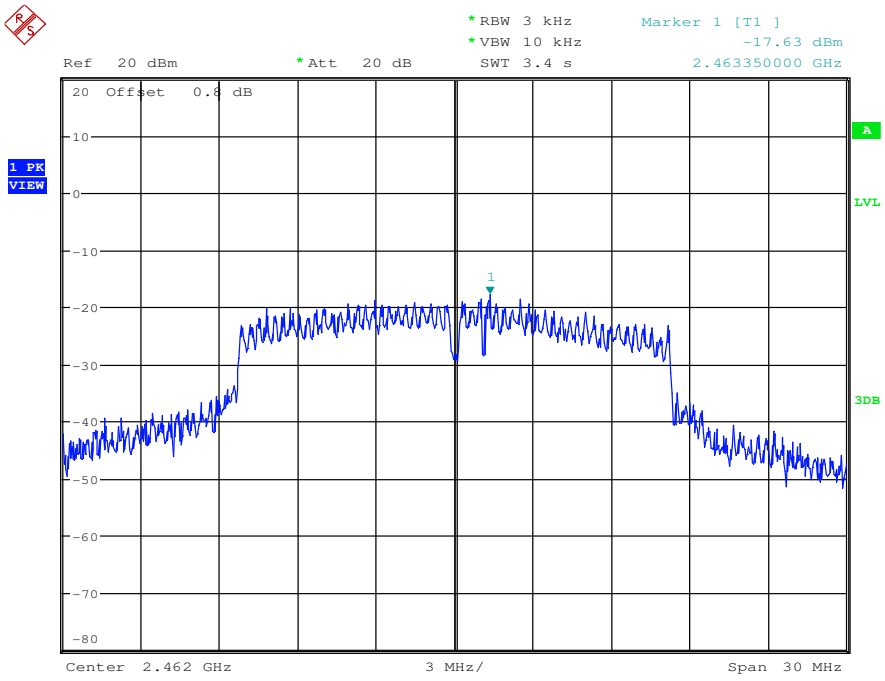
Maximum Peak power spectral density_11G_2437_Ant2



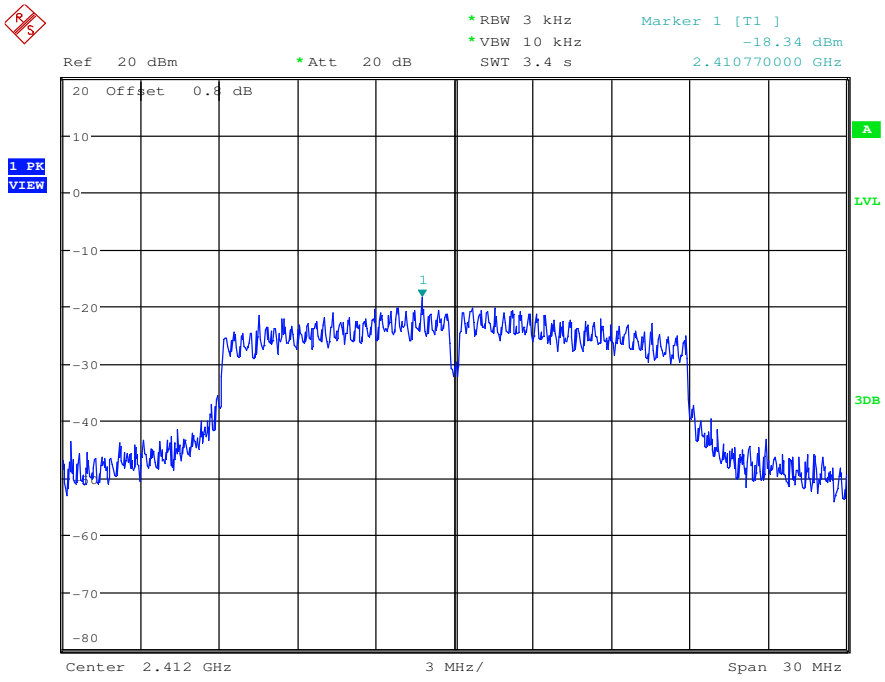
Maximum Peak power spectral density_11G_2462_Ant1



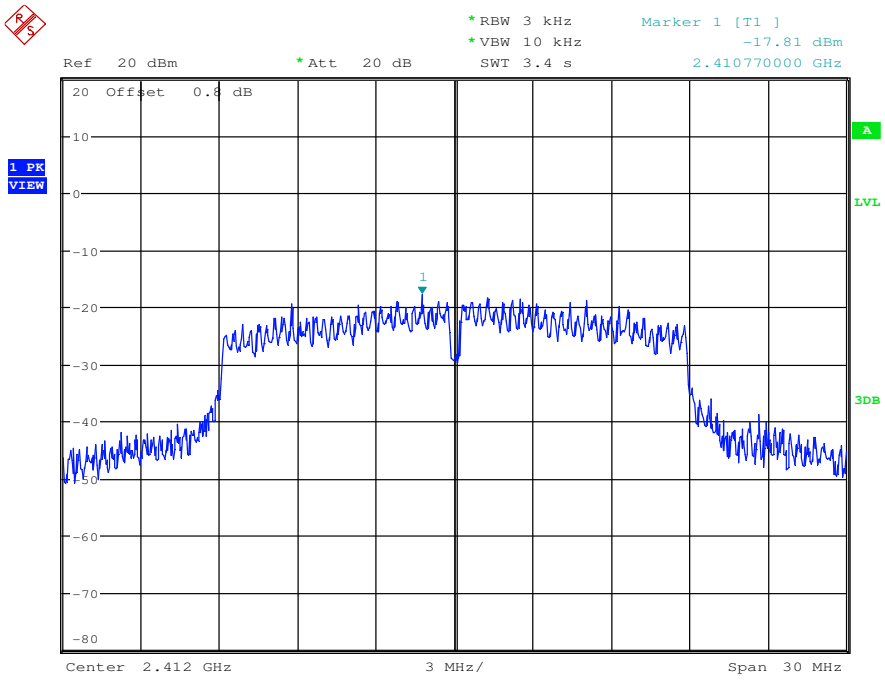
Maximum Peak power spectral density_11G_2462_Ant2



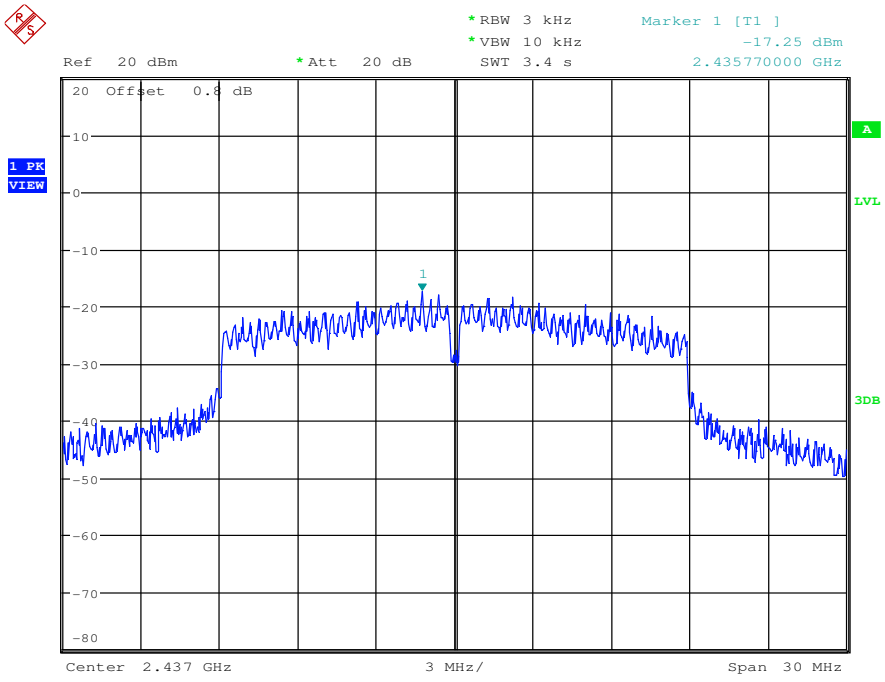
Maximum Peak power spectral density_11N20SISO_2412_Ant1



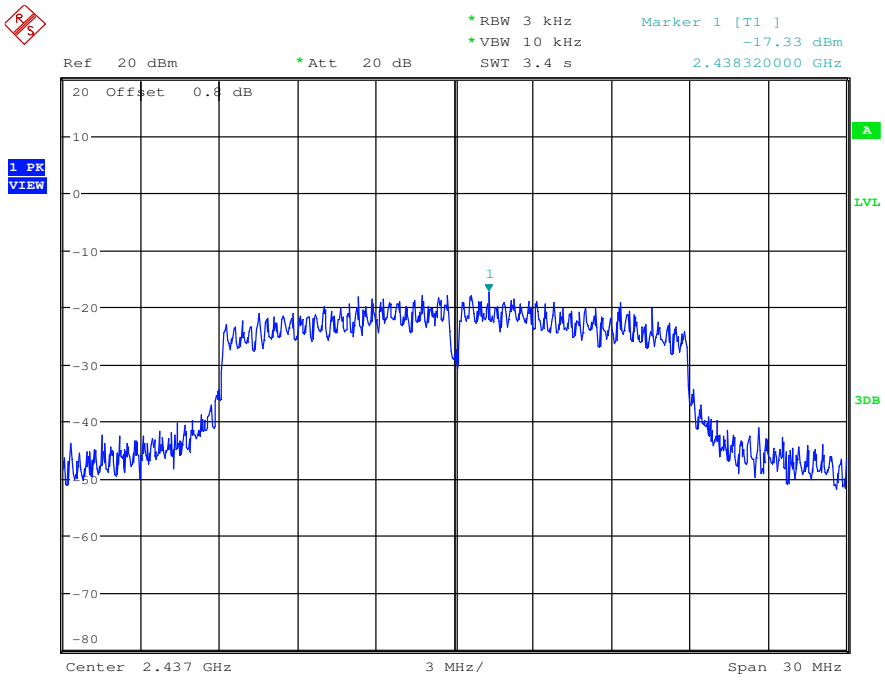
Maximum Peak power spectral density_11N20SISO_2412_Ant2



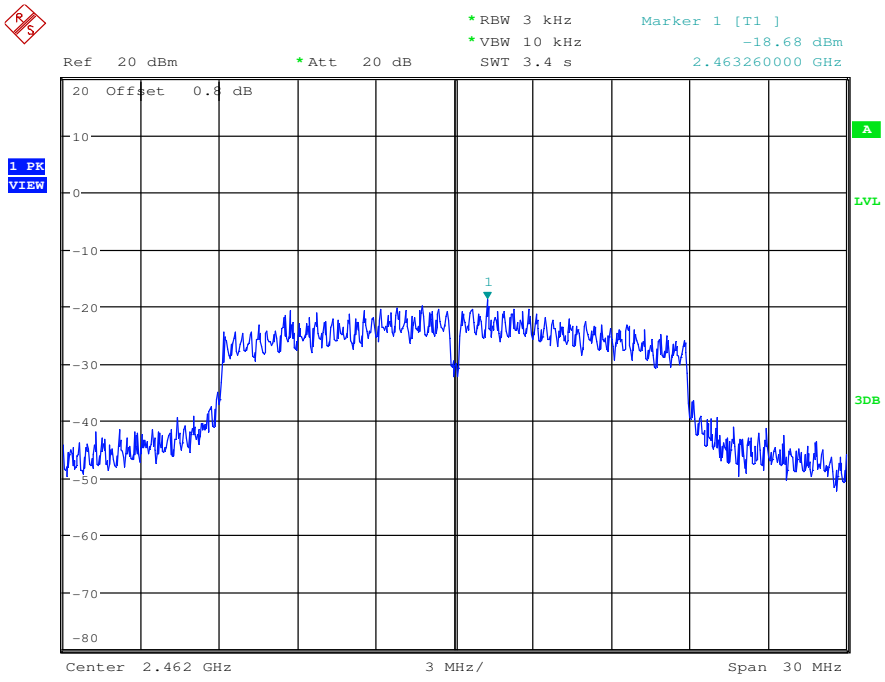
Maximum Peak power spectral density_11N20SISO_2437_Ant1



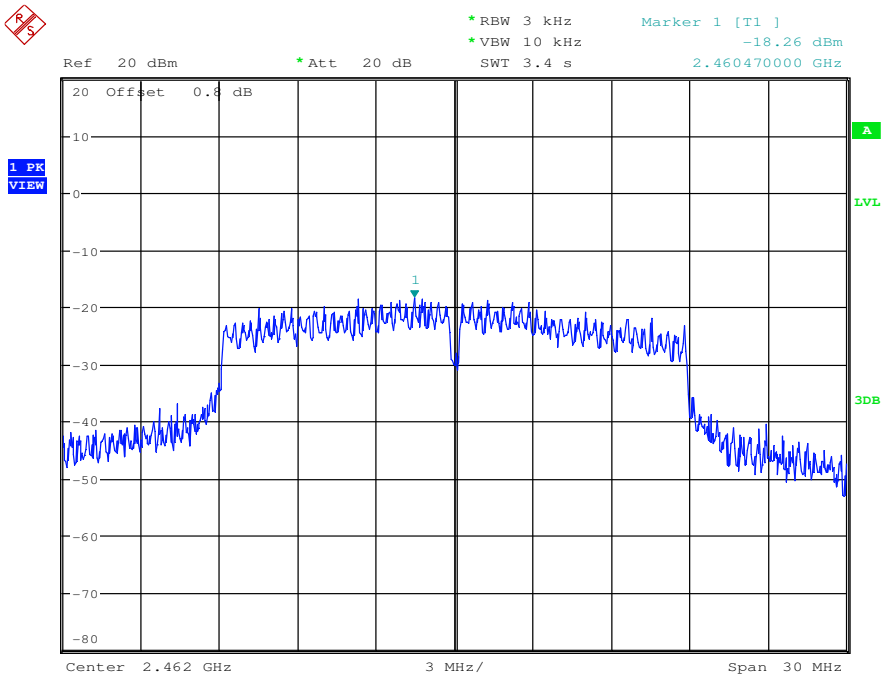
Maximum Peak power spectral density_11N20SISO_2437_Ant2



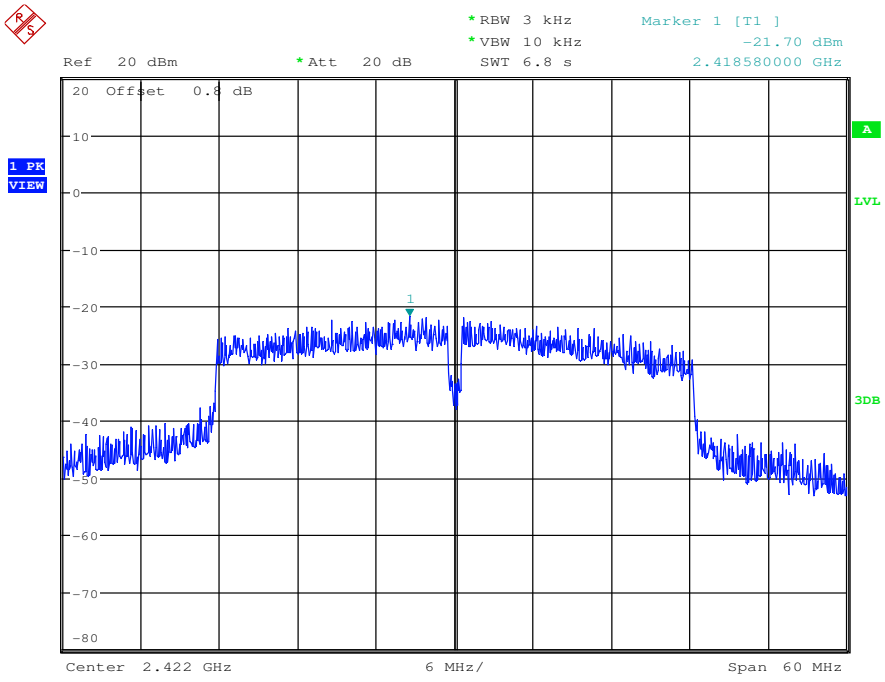
Maximum Peak power spectral density_11N20SISO_2462_Ant1



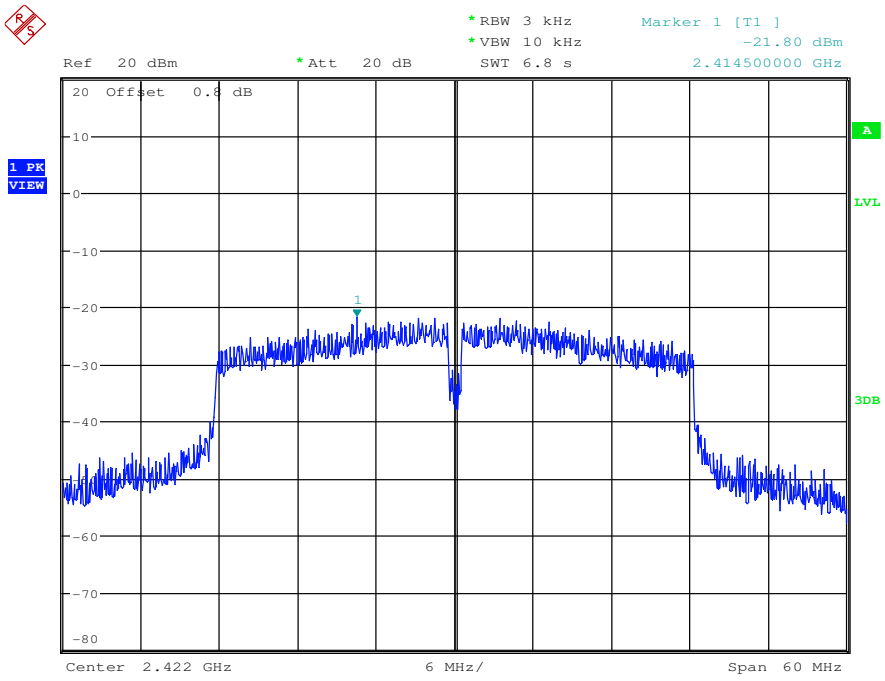
Maximum Peak power spectral density_11N20SISO_2462_Ant2



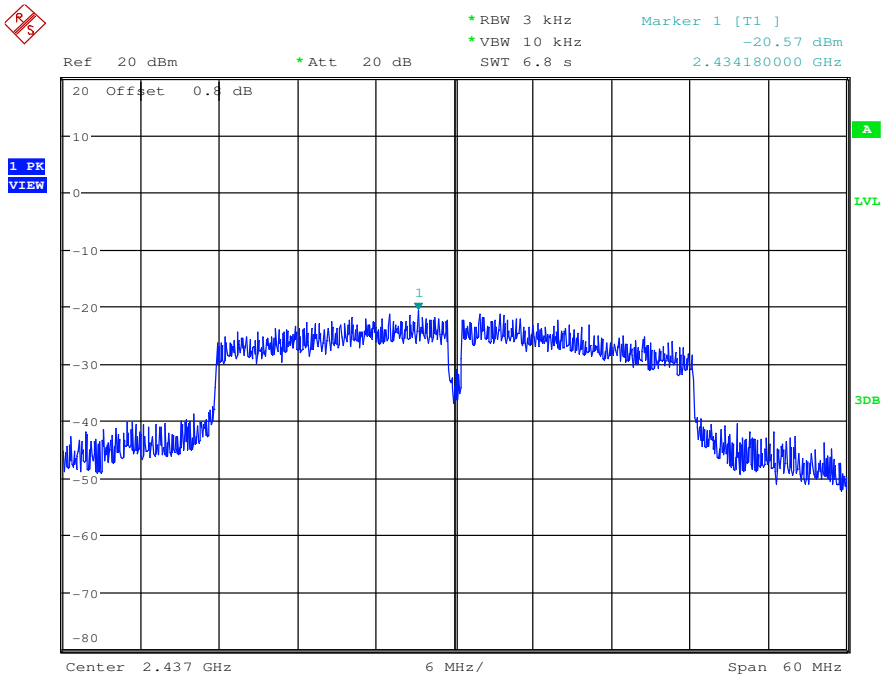
Maximum Peak power spectral density_11N40SISO_2422_Ant1



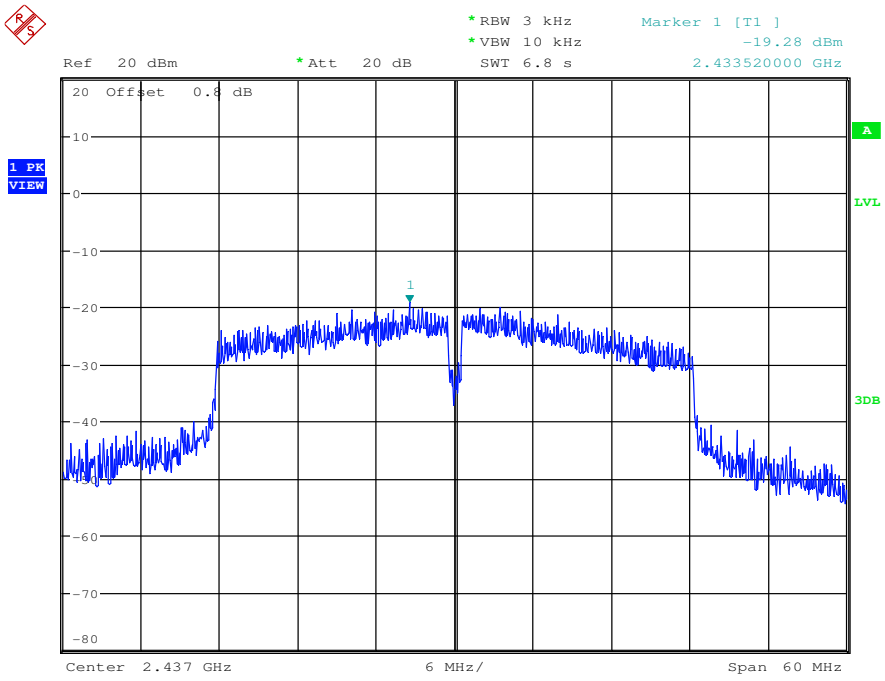
Maximum Peak power spectral density_11N40SISO_2422_Ant2



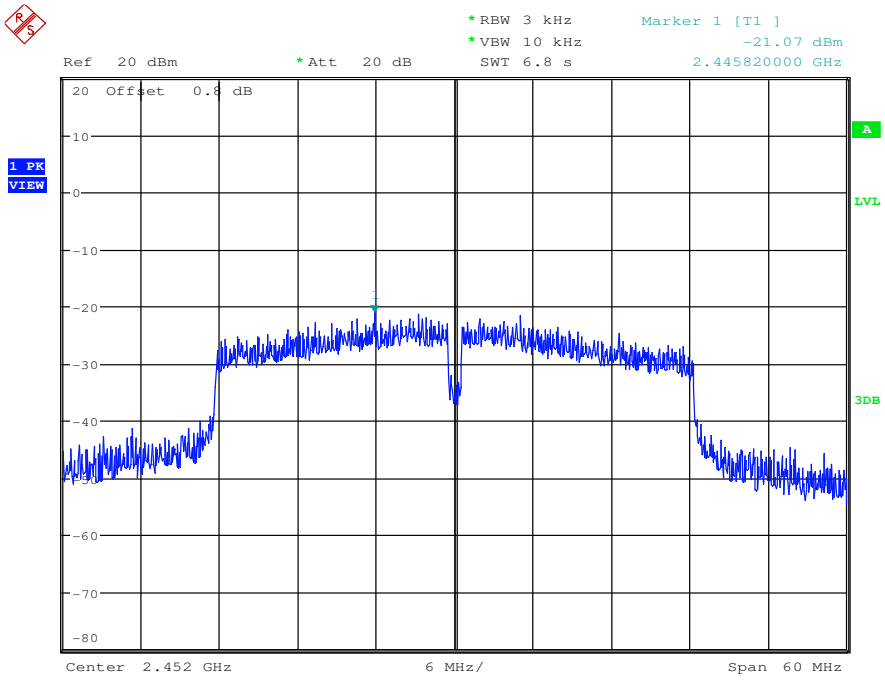
Maximum Peak power spectral density_11N40SISO_2437_Ant1



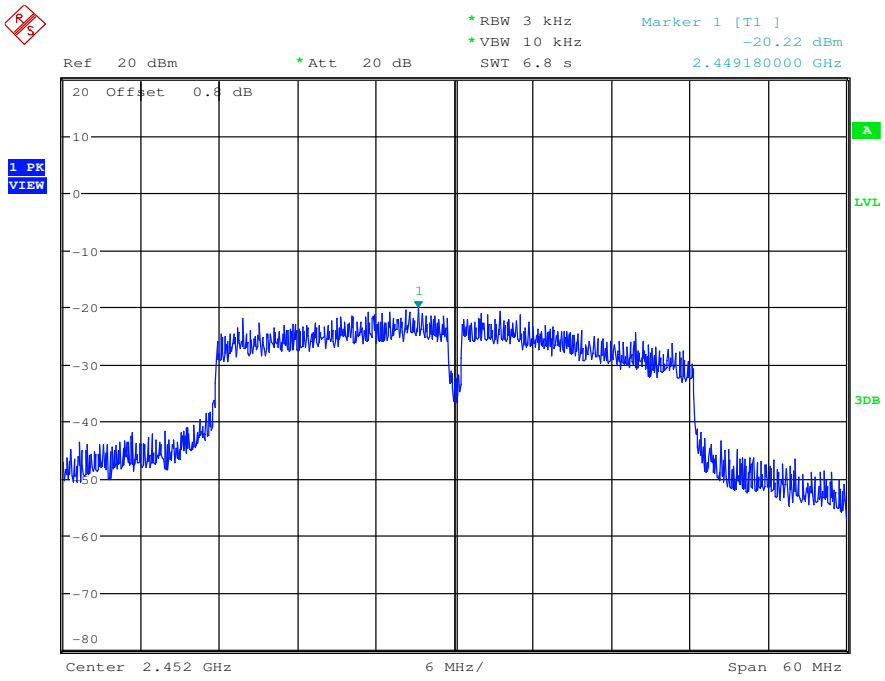
Maximum Peak power spectral density_11N40SISO_2437_Ant2



Maximum Peak power spectral density_11N40SISO_2452_Ant1



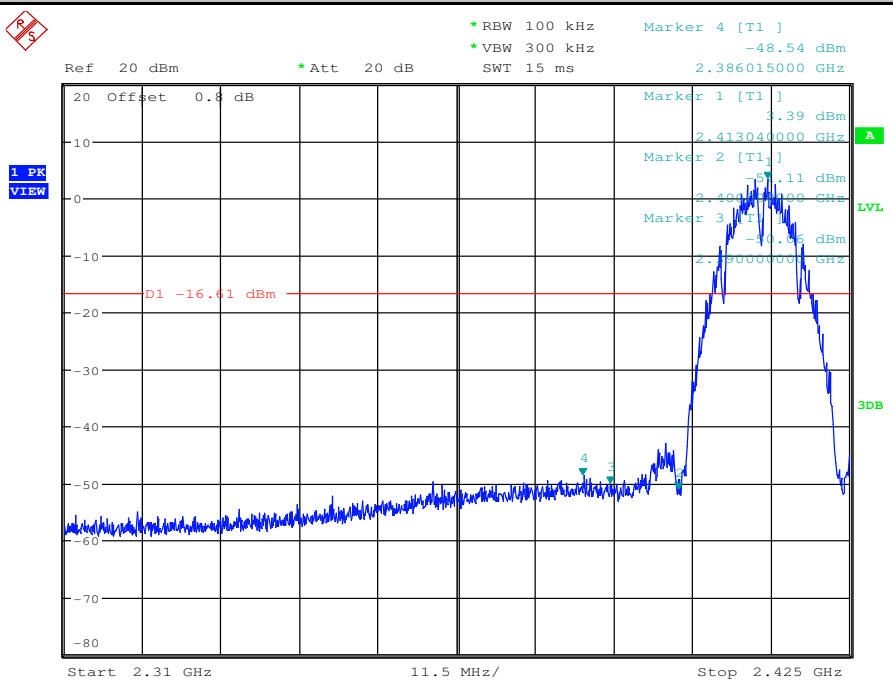
Maximum Peak power spectral density_11N40SISO_2452_Ant2



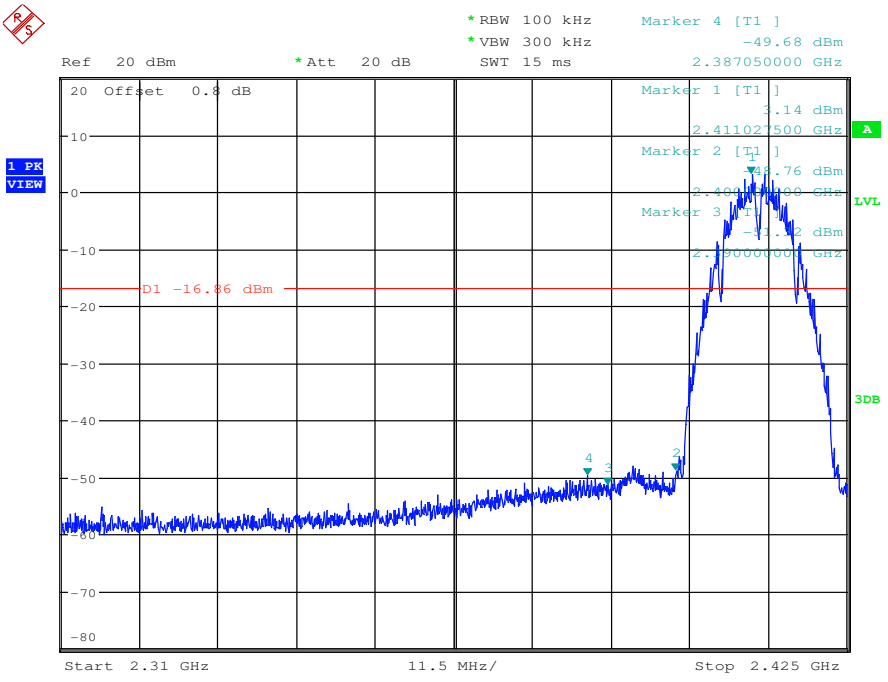
5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Ant	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit [dBm]	Verdict
11B	2412	Ant1	3.390	-48.541	<-16.61	PASS
11B	2412	Ant2	3.140	-49.682	<-16.86	PASS
11B	2462	Ant1	3.810	-49.761	<-16.19	PASS
11B	2462	Ant2	3.800	-48.955	<-16.2	PASS
11G	2412	Ant1	-2.850	-42.338	<-22.85	PASS
11G	2412	Ant2	-3.150	-49.422	<-23.15	PASS
11G	2462	Ant1	-3.400	-43.093	<-23.4	PASS
11G	2462	Ant2	-1.740	-43.428	<-21.74	PASS
11N20SISO	2412	Ant1	-2.760	-42.166	<-22.76	PASS
11N20SISO	2412	Ant2	-1.580	-41.762	<-21.58	PASS
11N20SISO	2462	Ant1	-1.800	-40.004	<-21.8	PASS
11N20SISO	2462	Ant2	-1.980	-40.845	<-21.98	PASS
11N40SISO	2422	Ant1	-4.260	-27.248	<-24.26	PASS
11N40SISO	2422	Ant2	-6.390	-32.964	<-26.39	PASS
11N40SISO	2452	Ant1	-5.110	-33.220	<-25.11	PASS
11N40SISO	2452	Ant2	-4.000	-35.335	<-24	PASS

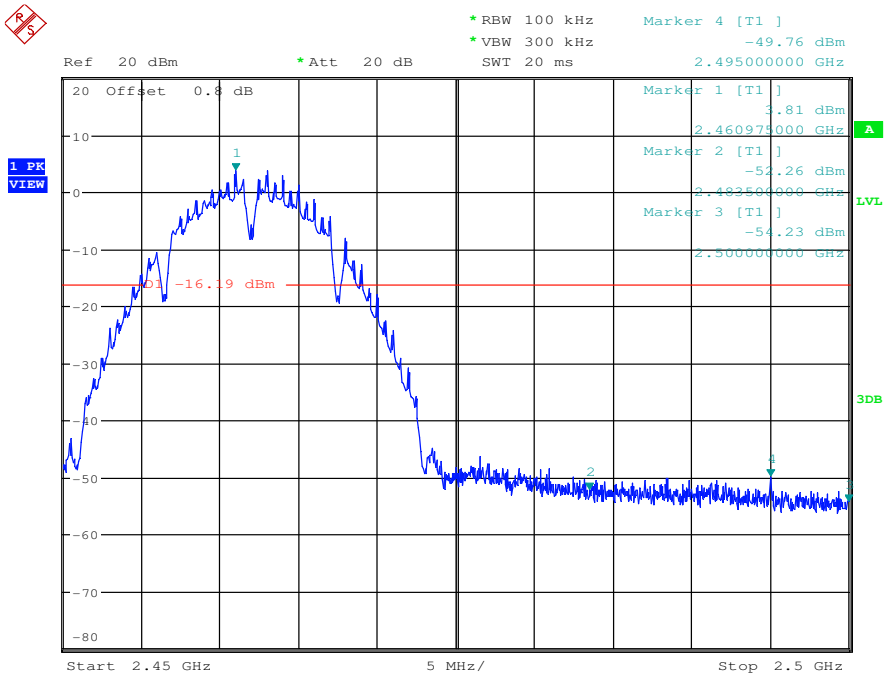
Band-edge for RF Conducted Emissions_11B_2412_Ant1



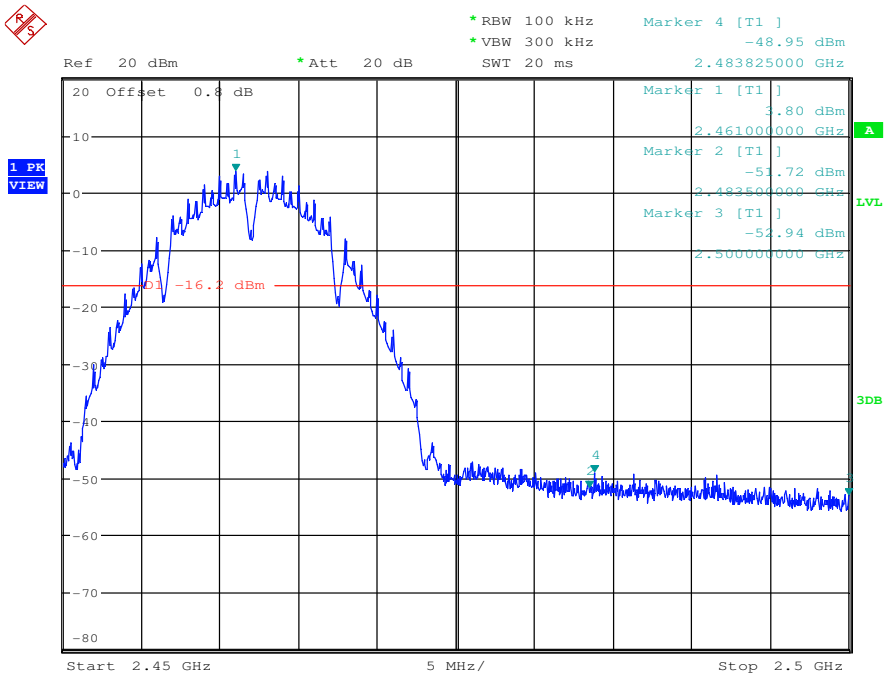
Band-edge for RF Conducted Emissions_11B_2412_Ant2



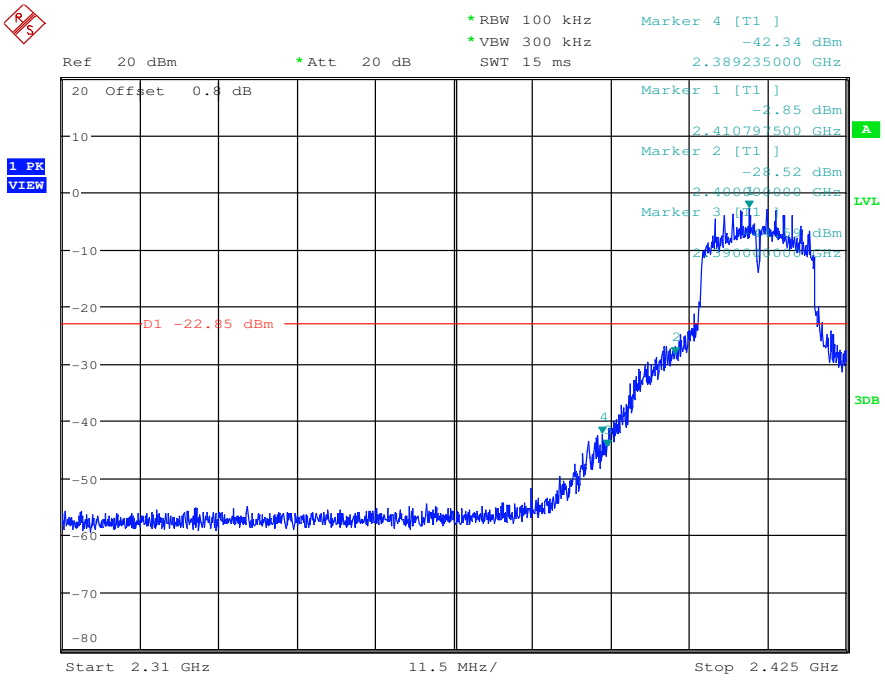
Band-edge for RF Conducted Emissions_11B_2462_Ant1



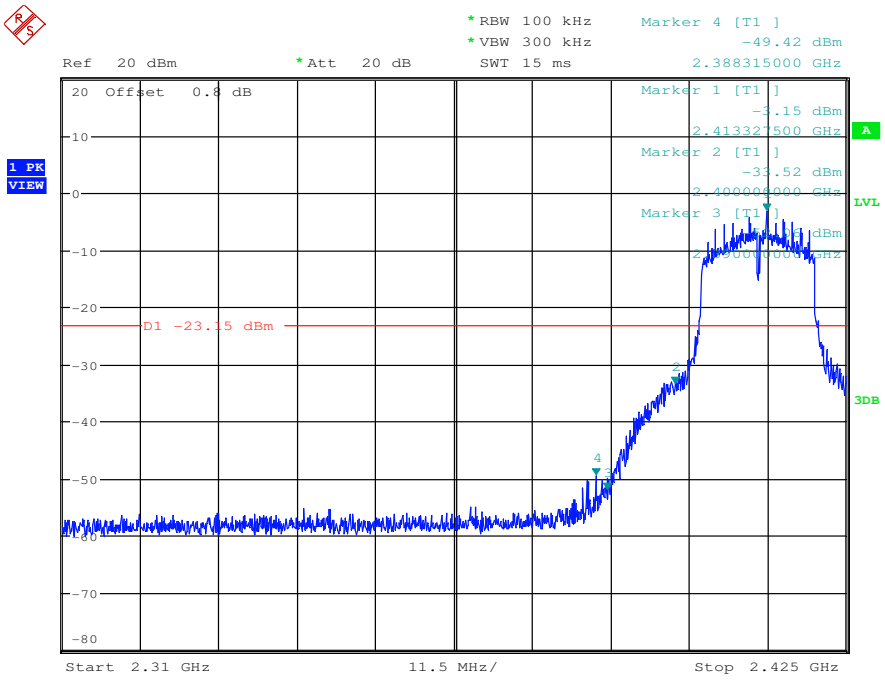
Band-edge for RF Conducted Emissions_11B_2462_Ant2



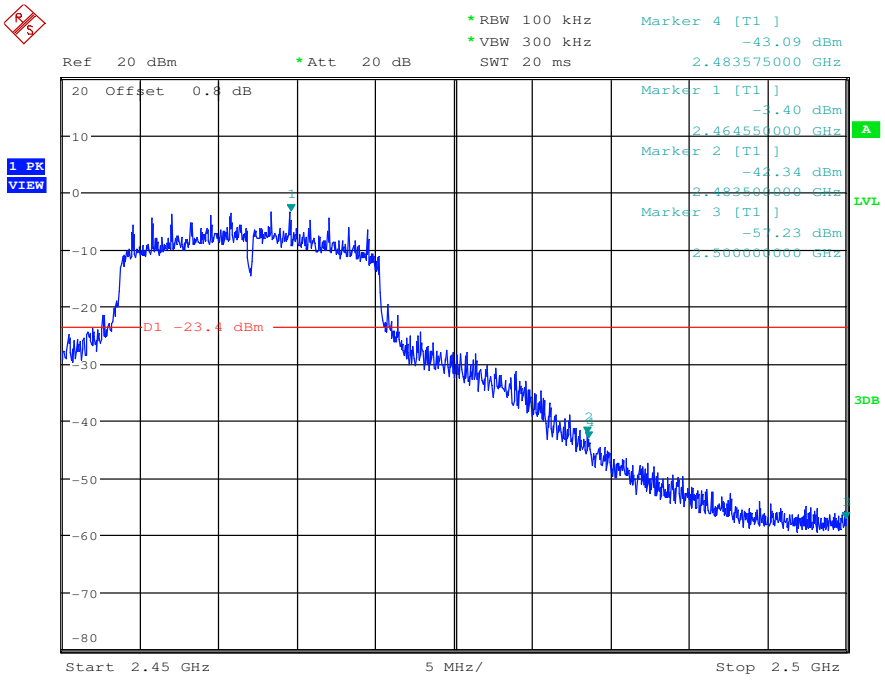
Band-edge for RF Conducted Emissions_11G_2412_Ant1



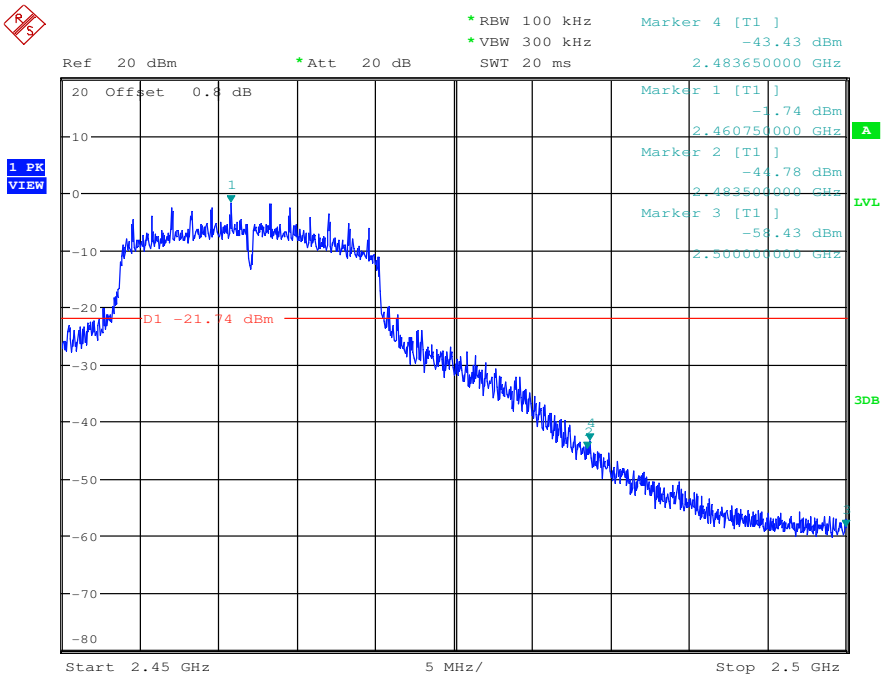
Band-edge for RF Conducted Emissions_11G_2412_Ant2



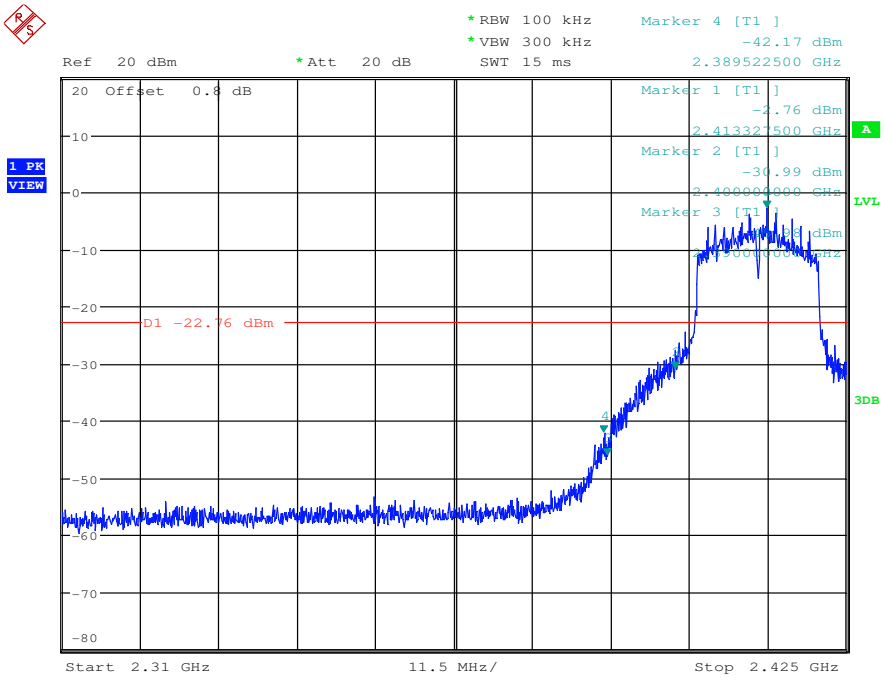
Band-edge for RF Conducted Emissions_11G_2462_Ant1



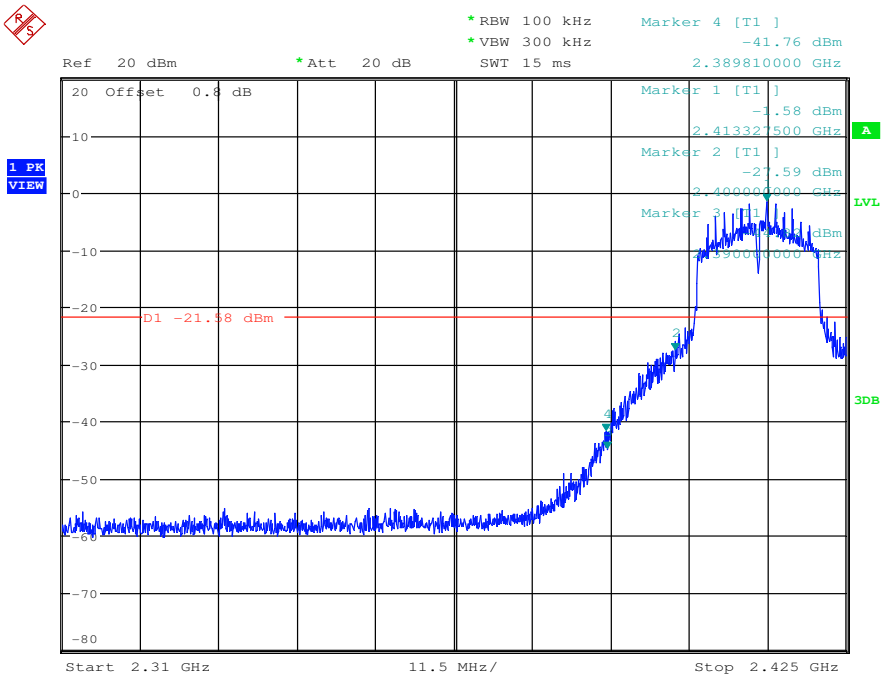
Band-edge for RF Conducted Emissions_11G_2462_Ant2



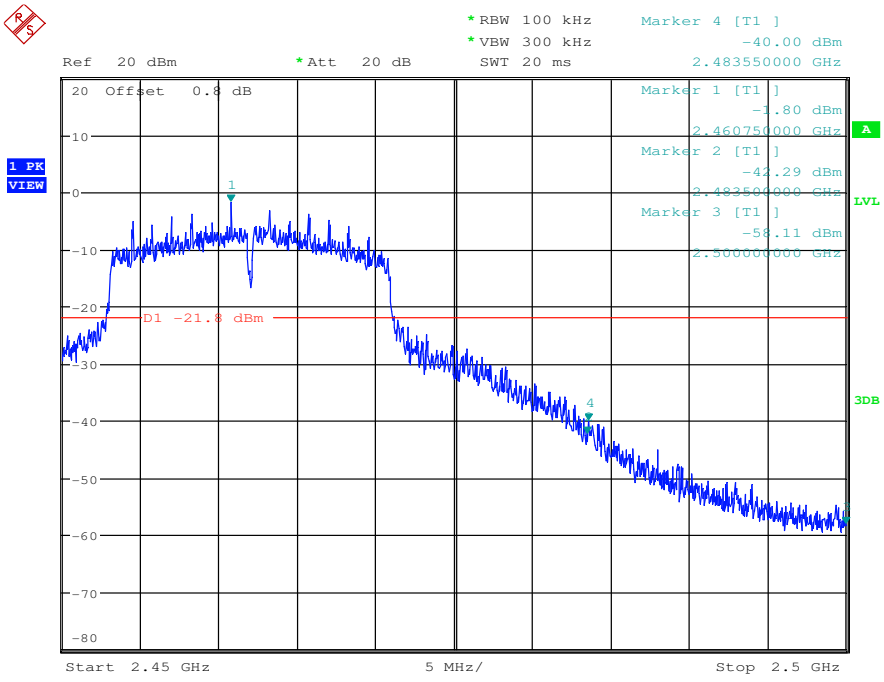
Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant1



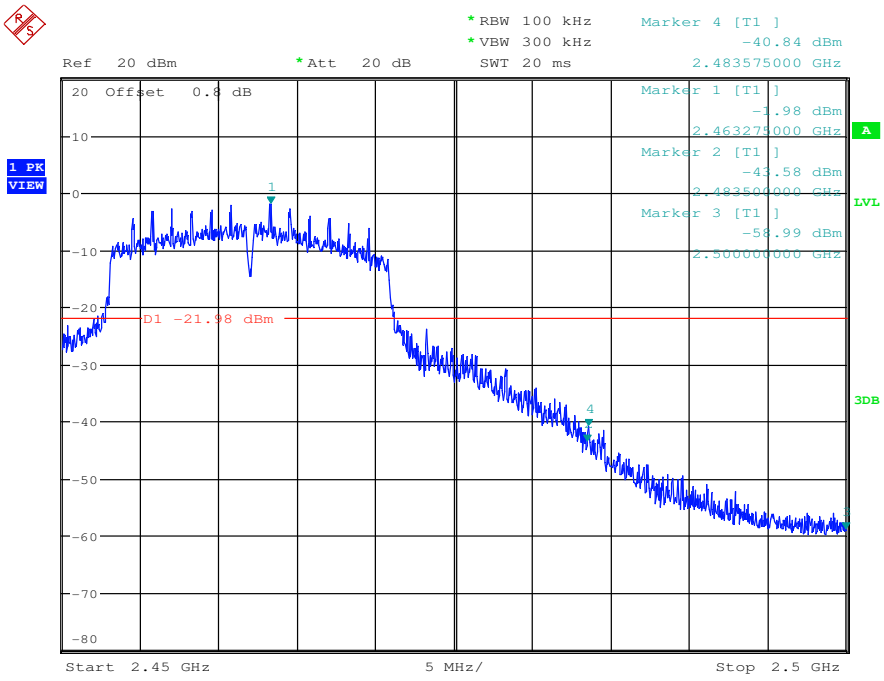
Band-edge for RF Conducted Emissions_11N20SISO_2412_Ant2



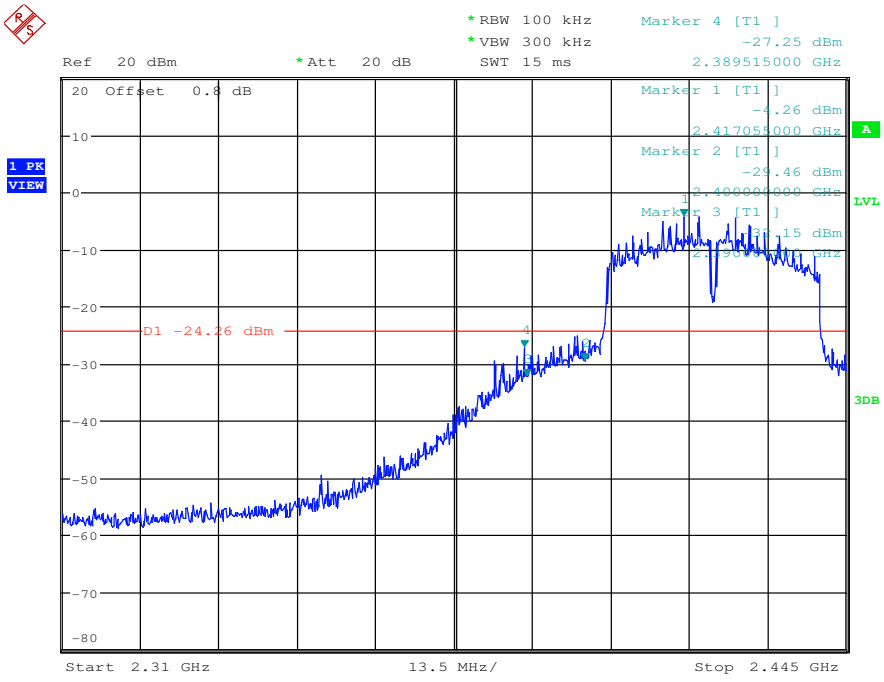
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant1



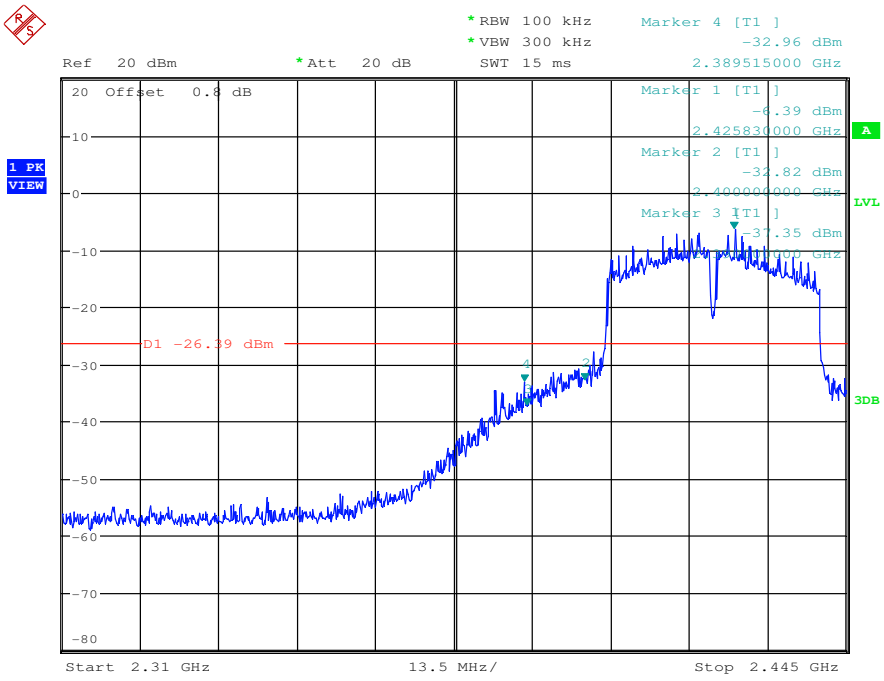
Band-edge for RF Conducted Emissions_11N20SISO_2462_Ant2



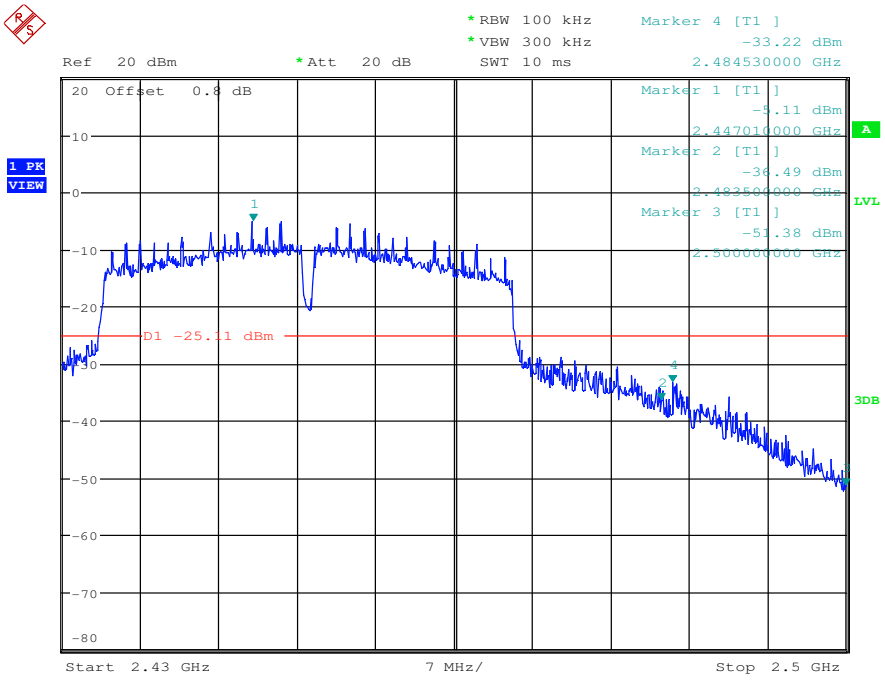
Band-edge for RF Conducted Emissions_11N40SISO_2422_Ant1



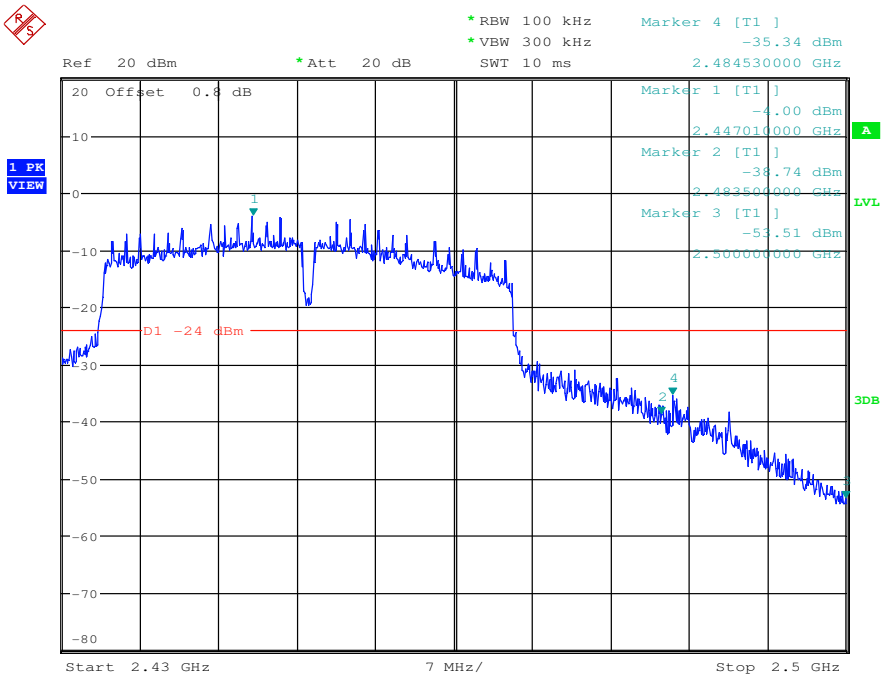
Band-edge for RF Conducted Emissions_11N40SISO_2422_Ant2



Band-edge for RF Conducted Emissions_11N40SISO_2452_Ant1



Band-edge for RF Conducted Emissions_11N40SISO_2452_Ant2



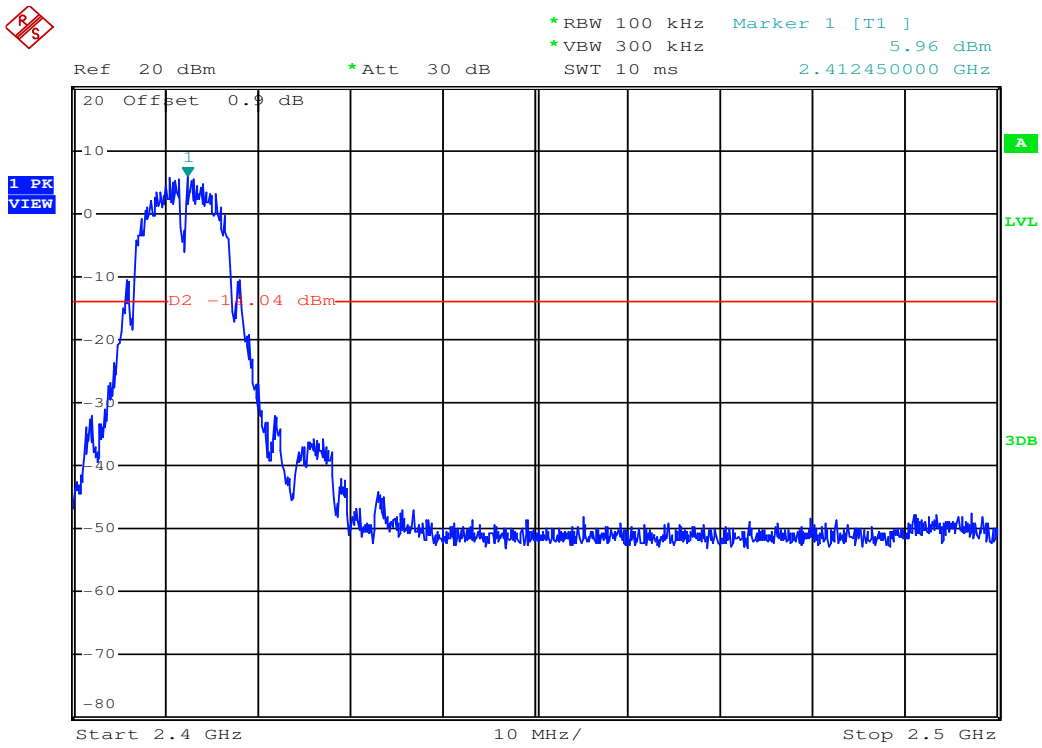
6.RF Conducted Spurious Emissions

Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	2412	30	10000	1000	3000	5.96	-42.590	<-14.04	PASS
11B	2412	10000	25000	1000	3000	5.96	-41.030	<-14.04	PASS
11B	2412	30	10000	1000	3000	5.86	-42.410	<-14.14	PASS
11B	2412	10000	25000	1000	3000	5.86	-39.750	<-14.14	PASS
11B	2437	30	10000	1000	3000	6.03	-42.550	<-13.97	PASS
11B	2437	10000	25000	1000	3000	6.03	-40.120	<-13.97	PASS
11B	2437	30	10000	1000	3000	6.55	-42.530	<-13.45	PASS
11B	2437	10000	25000	1000	3000	6.55	-40.430	<-13.45	PASS
11B	2462	30	10000	1000	3000	6.15	-42.470	<-13.85	PASS
11B	2462	10000	25000	1000	3000	6.15	-40.750	<-13.85	PASS
11B	2462	30	10000	1000	3000	5.91	-42.590	<-14.09	PASS
11B	2462	10000	25000	1000	3000	5.91	-40.120	<-14.09	PASS
11G	2412	30	10000	1000	3000	-2.84	-42.230	<-22.84	PASS
11G	2412	10000	25000	1000	3000	-2.84	-60.480	<-22.84	PASS
11G	2412	30	10000	1000	3000	-5.94	-43.610	<-25.94	PASS
11G	2412	10000	25000	1000	3000	-5.94	-58.910	<-25.94	PASS
11G	2437	30	10000	1000	3000	-2.27	-44.870	<-22.27	PASS
11G	2437	10000	25000	1000	3000	-2.27	-60.200	<-22.27	PASS
11G	2437	30	10000	1000	3000	-0.1	-39.140	<-20.1	PASS
11G	2437	10000	25000	1000	3000	-0.1	-60.100	<-20.1	PASS
11G	2462	30	10000	1000	3000	-2.51	-43.890	<-22.51	PASS
11G	2462	10000	25000	1000	3000	-2.51	-59.900	<-22.51	PASS
11G	2462	30	10000	1000	3000	-1.58	-40.810	<-21.58	PASS
11G	2462	10000	25000	1000	3000	-1.58	-60.420	<-21.58	PASS
11N20SISO	2412	30	10000	1000	3000	-2.67	-42.240	<-22.67	PASS
11N20SISO	2412	10000	25000	1000	3000	-2.67	-60.200	<-22.67	PASS
11N20SISO	2412	30	10000	1000	3000	-1.73	-40.710	<-21.73	PASS
11N20SISO	2412	10000	25000	1000	3000	-1.73	-59.800	<-21.73	PASS
11N20SISO	2437	30	10000	1000	3000	-1.74	-41.680	<-21.74	PASS

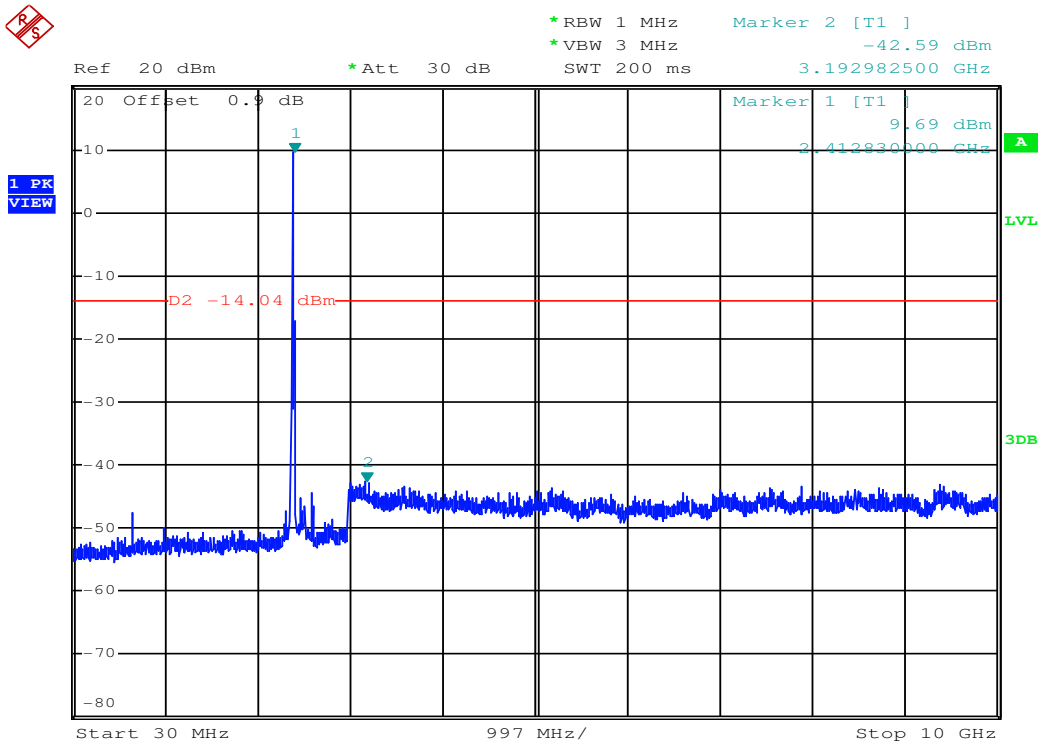
11N20SISO	2437	10000	25000	1000	3000	-1.74	-60.290	<-21.74	PASS
11N20SISO	2437	30	10000	1000	3000	-1.08	-39.310	<-21.08	PASS
11N20SISO	2437	10000	25000	1000	3000	-1.08	-59.540	<-21.08	PASS
11N20SISO	2462	30	10000	1000	3000	-2.96	-42.690	<-22.96	PASS
11N20SISO	2462	10000	25000	1000	3000	-2.96	-59.860	<-22.96	PASS
11N20SISO	2462	30	10000	1000	3000	-2.23	-42.150	<-22.23	PASS
11N20SISO	2462	10000	25000	1000	3000	-2.23	-60.120	<-22.23	PASS
11N40SISO	2422	30	10000	1000	3000	-4.25	-44.590	<-24.25	PASS
11N40SISO	2422	10000	25000	1000	3000	-4.25	-59.830	<-24.25	PASS
11N40SISO	2422	30	10000	1000	3000	-6.28	-44.710	<-26.28	PASS
11N40SISO	2422	10000	25000	1000	3000	-6.28	-59.770	<-26.28	PASS
11N40SISO	2437	30	10000	1000	3000	-5.97	-44.490	<-25.97	PASS
11N40SISO	2437	10000	25000	1000	3000	-5.97	-59.690	<-25.97	PASS
11N40SISO	2437	30	10000	1000	3000	-3.42	-42.780	<-23.42	PASS
11N40SISO	2437	10000	25000	1000	3000	-3.42	-59.820	<-23.42	PASS
11N40SISO	2452	30	10000	1000	3000	-4.03	-38.770	<-24.03	PASS
11N40SISO	2452	10000	25000	1000	3000	-4.03	-60.070	<-24.03	PASS

RF Conducted Spurious Emissions_11B_2412_Ant1

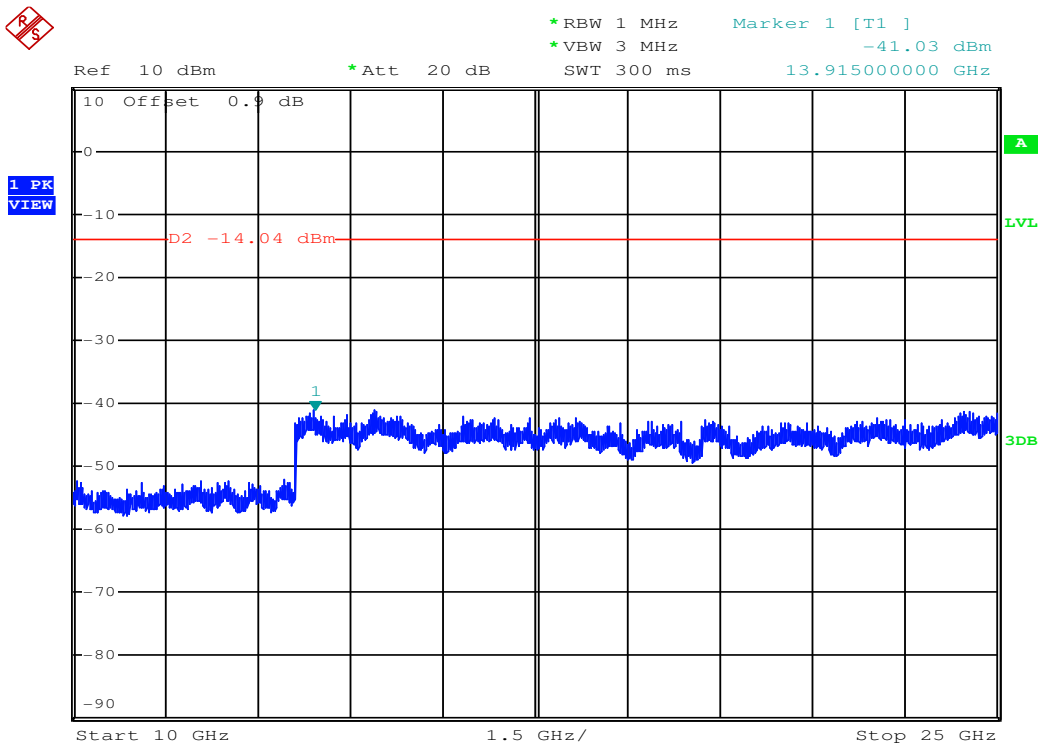
Pref



CSE_1

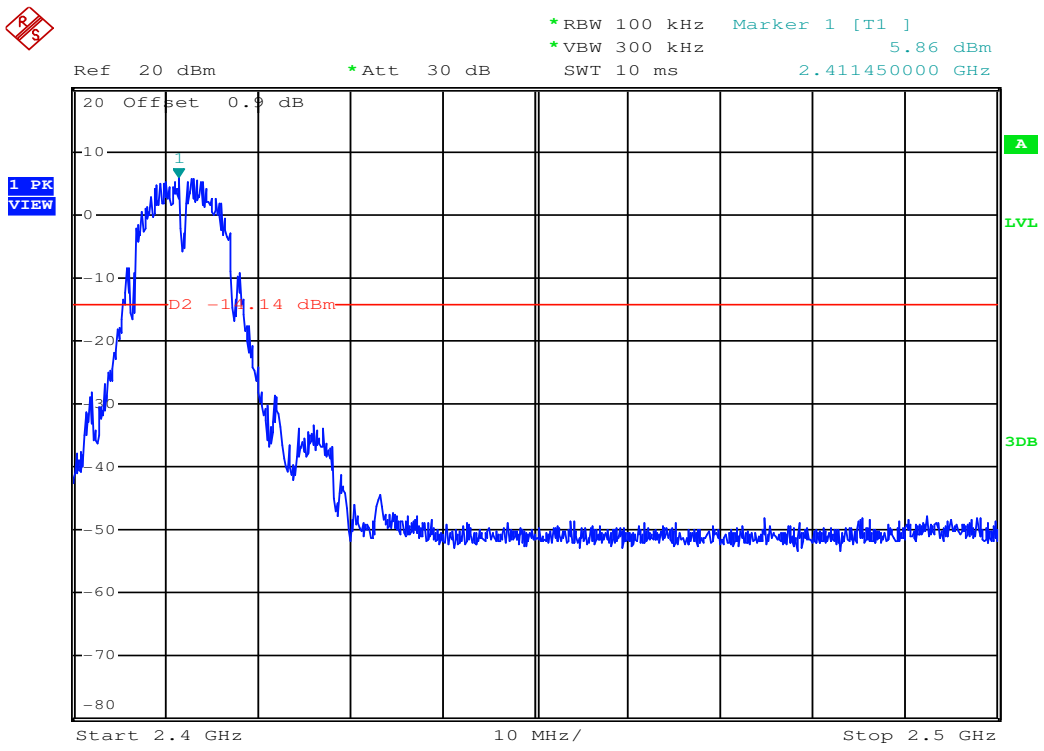


CSE_2

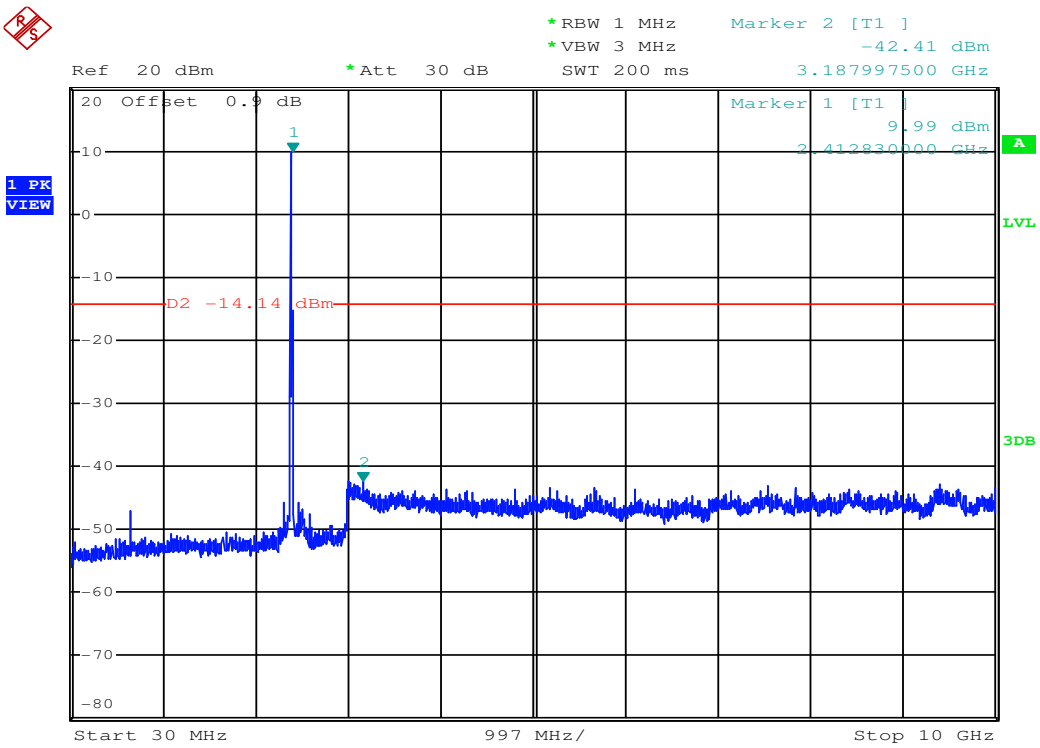


RF Conducted Spurious Emissions_11B_2412_Ant2

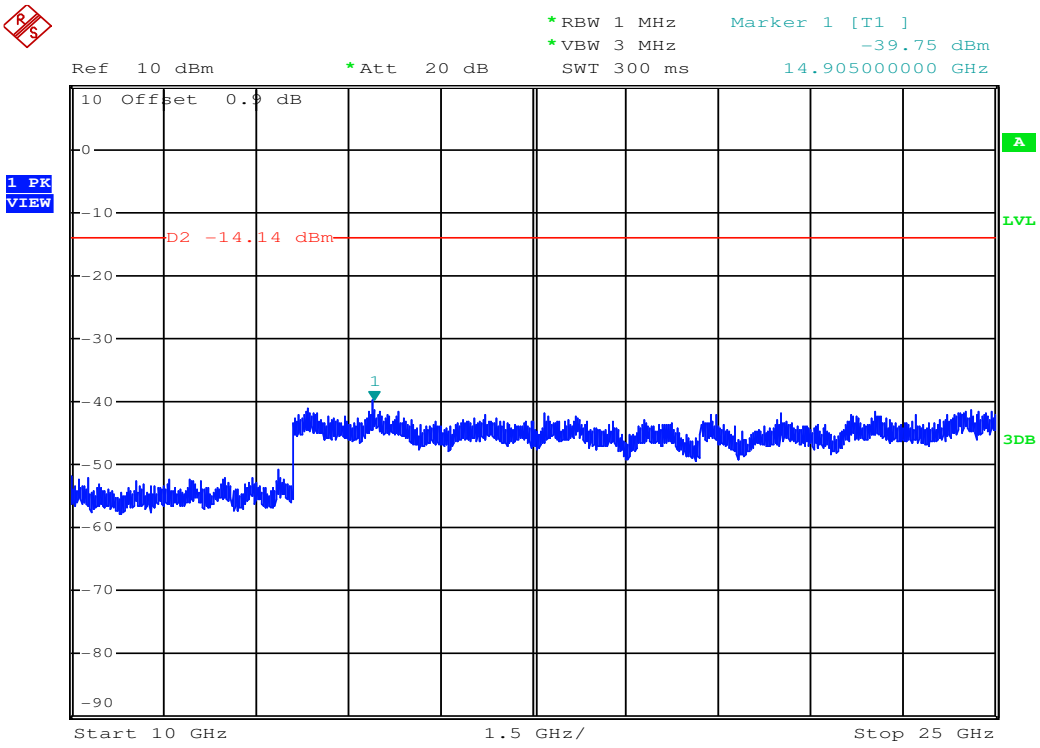
Pref



CSE_1

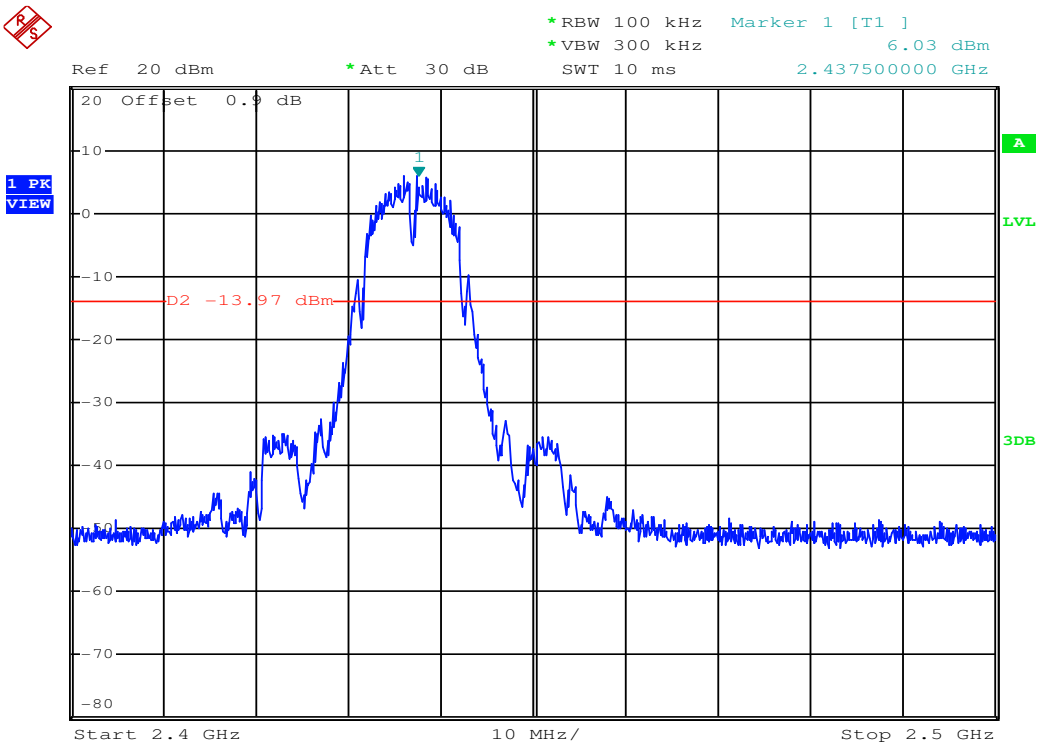


CSE_2

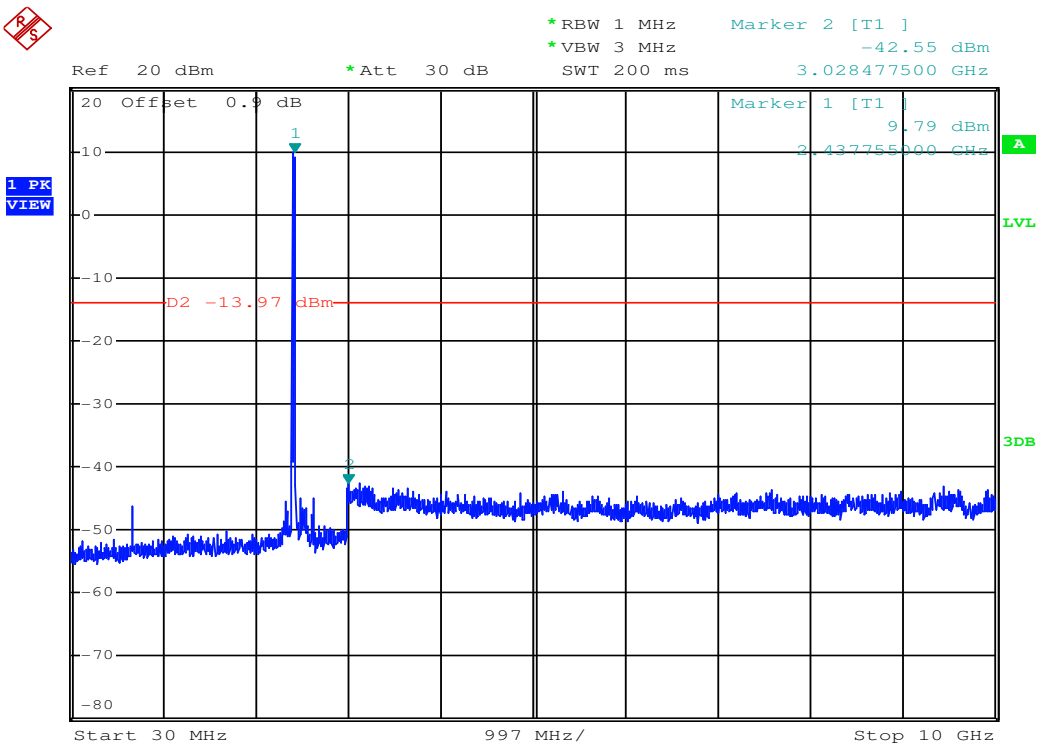


RF Conducted Spurious Emissions_11B_2437_Ant1

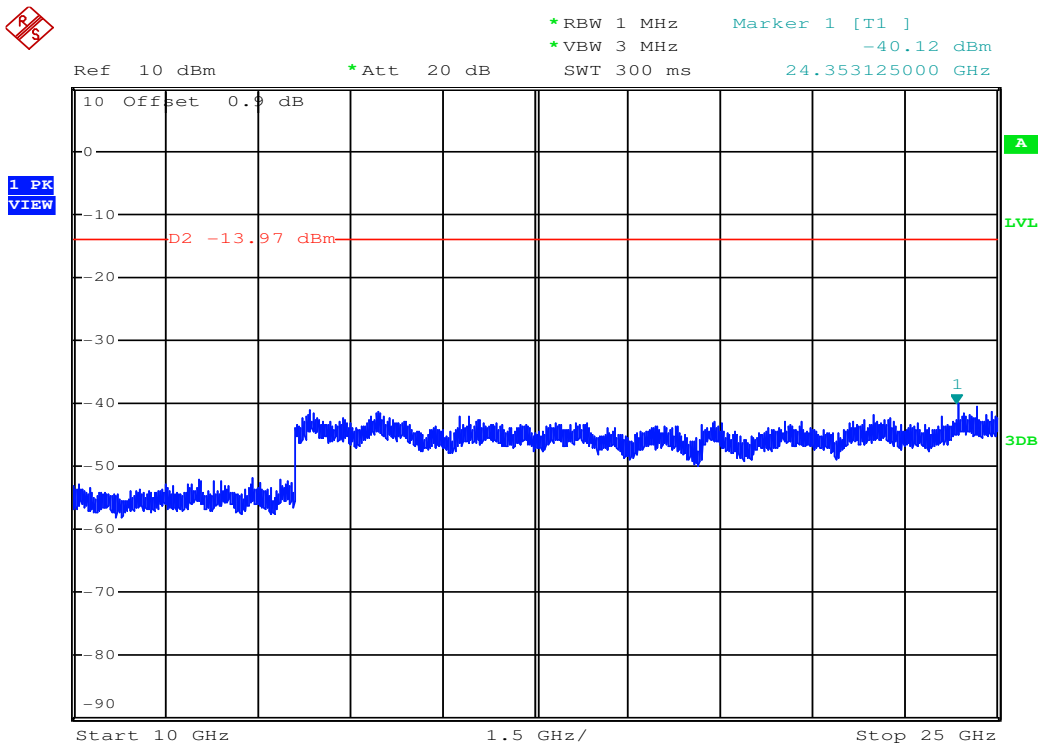
Pref



CSE_1

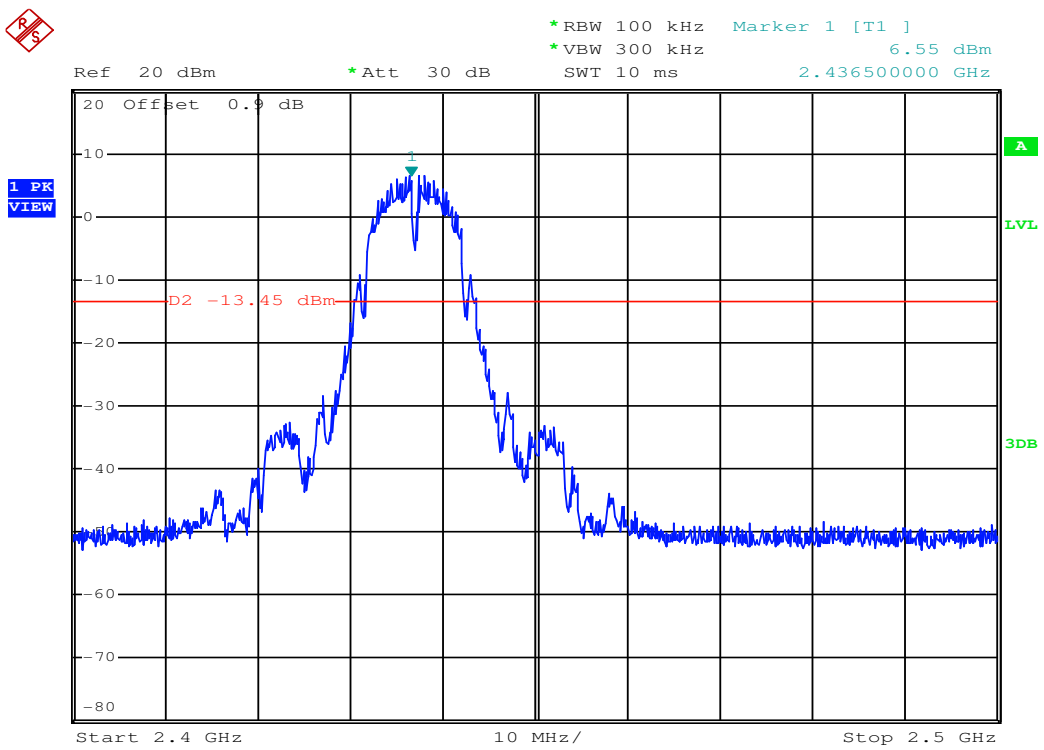


CSE_2

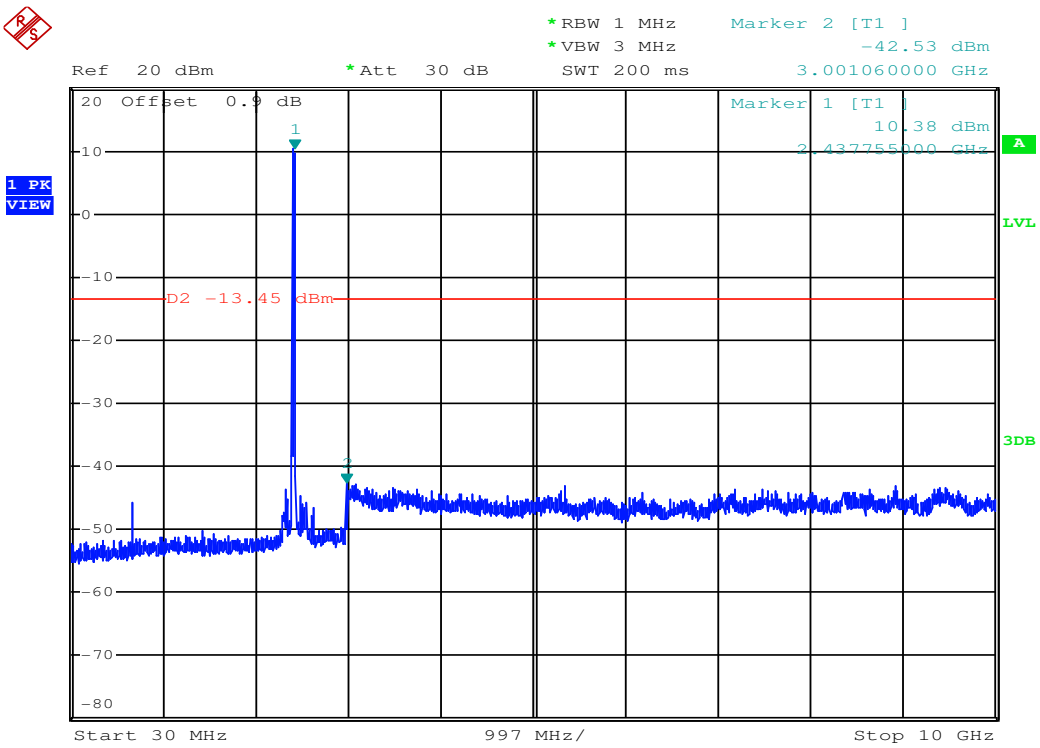


RF Conducted Spurious Emissions_11B_2437_Ant2

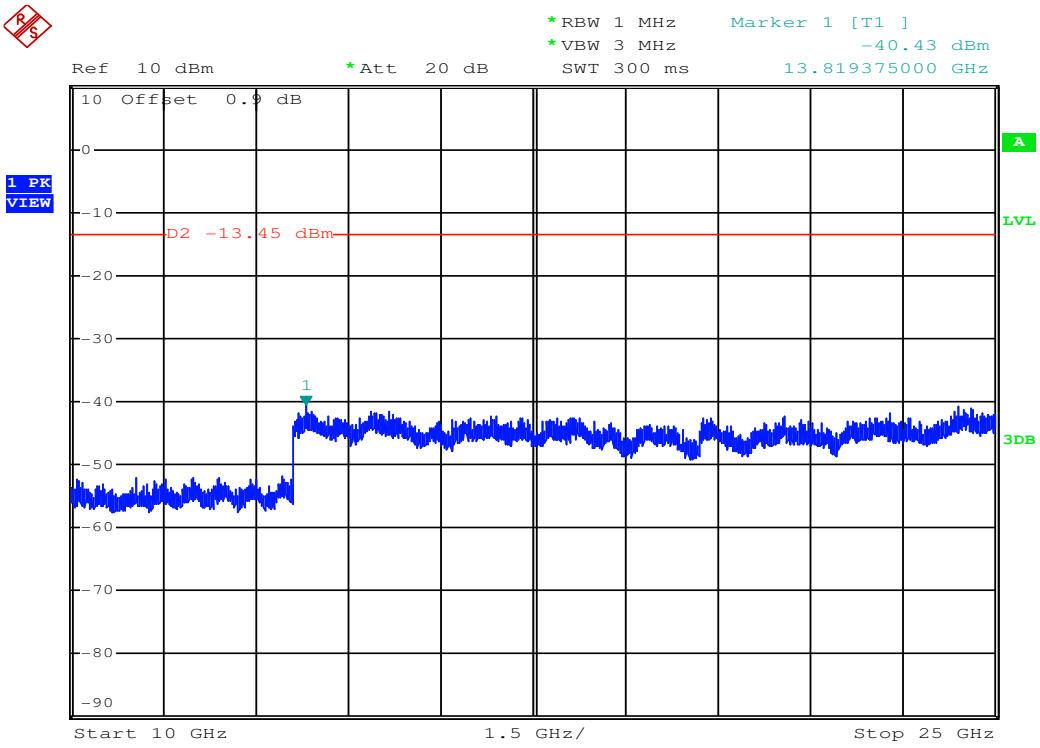
Pref

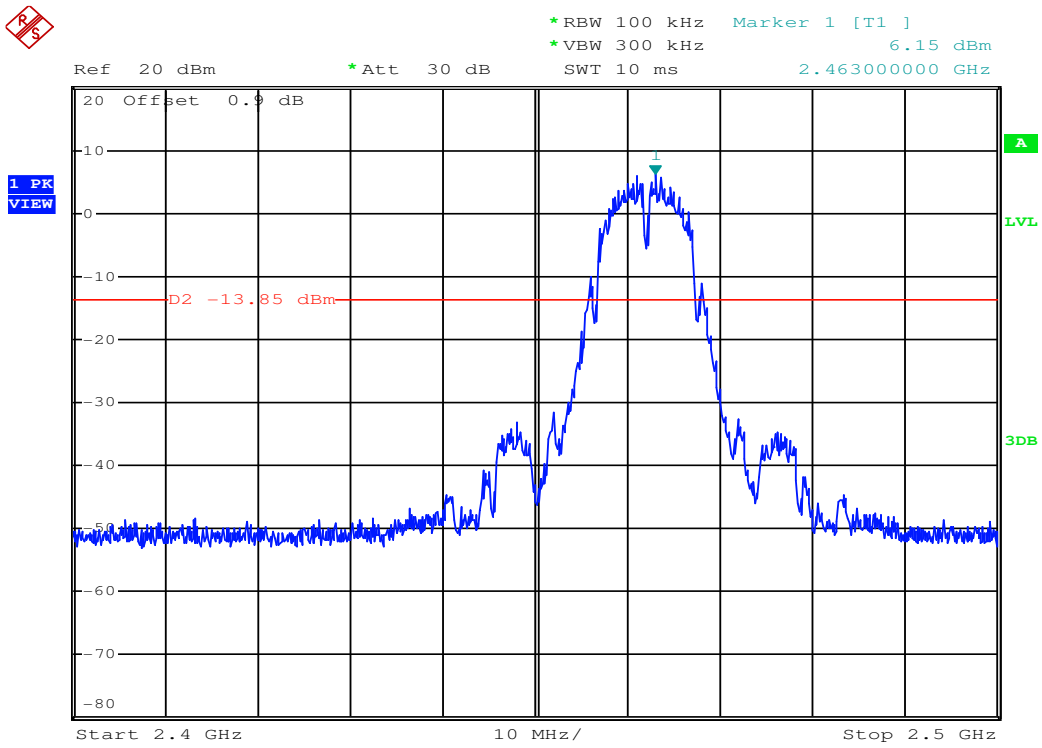
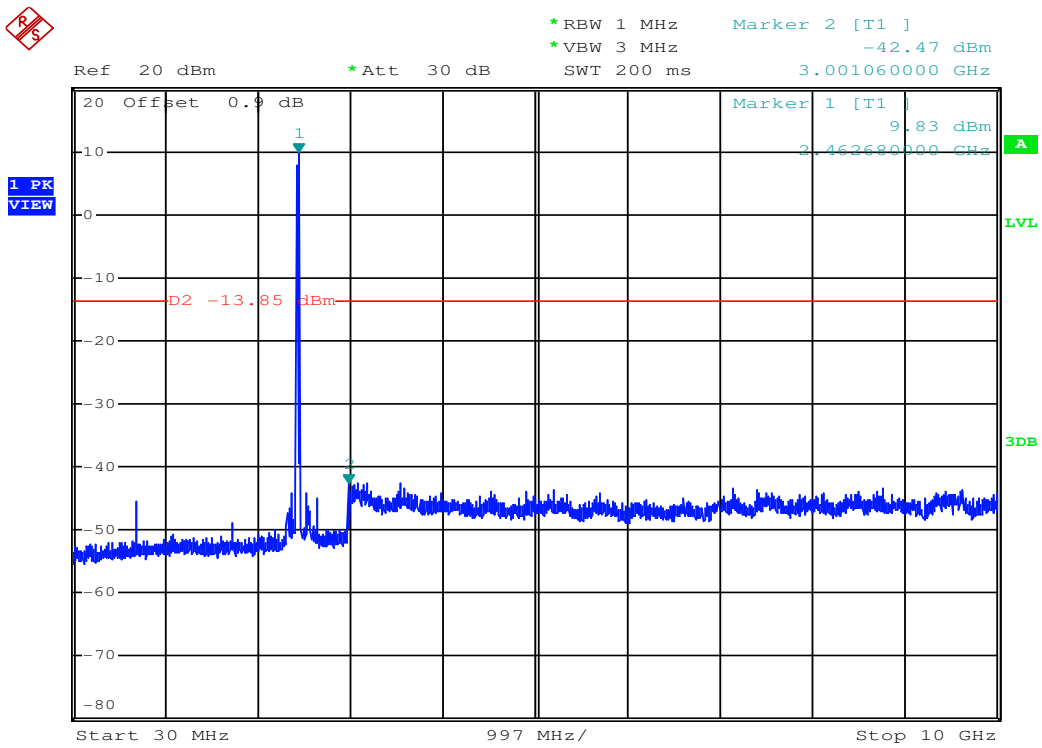


CSE_1

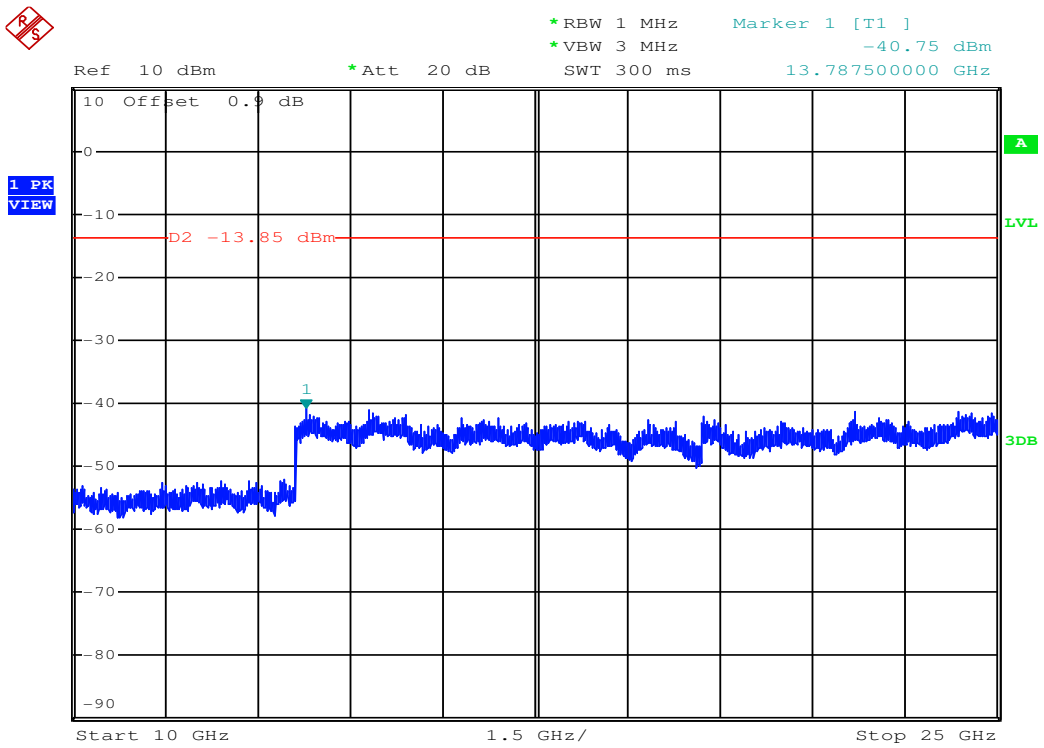


CSE_2



RF Conducted Spurious Emissions_11B_2462_Ant1	
Pref	
CSE_1	

CSE_2



RF Conducted Spurious Emissions_11B_2462_Ant2

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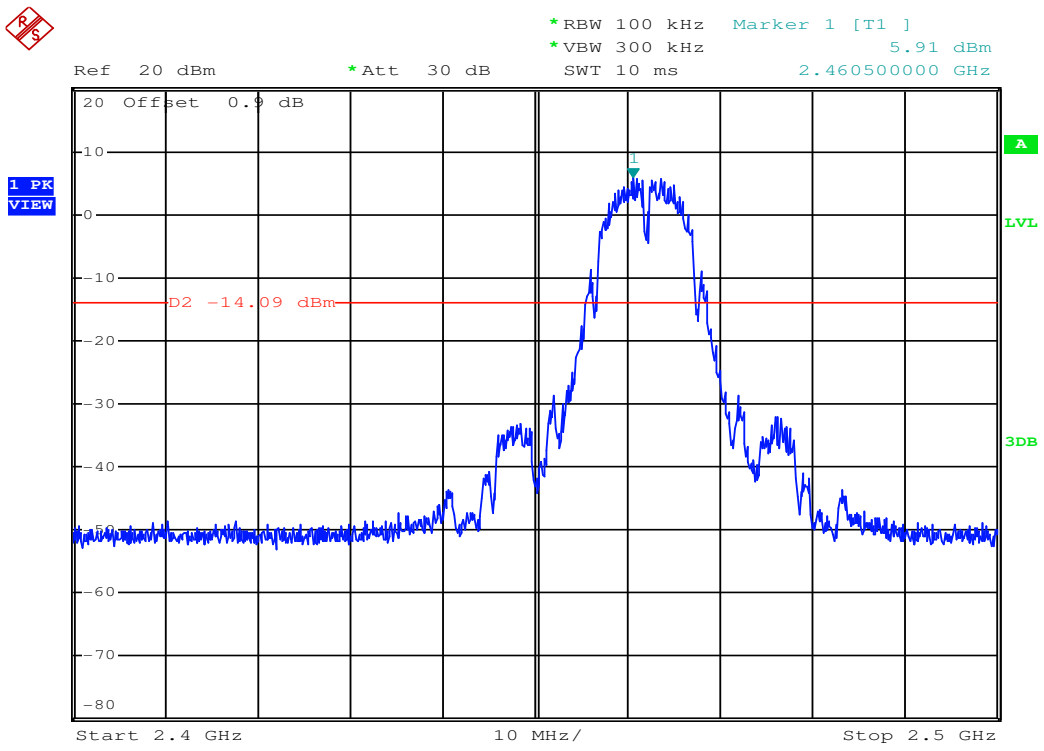
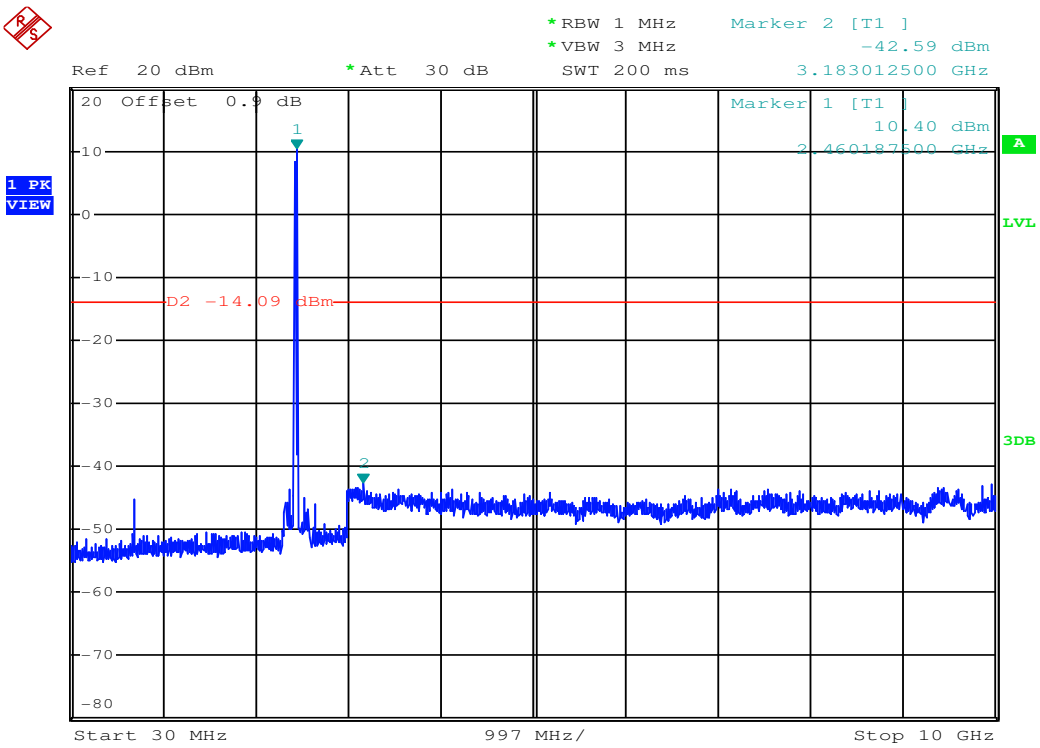
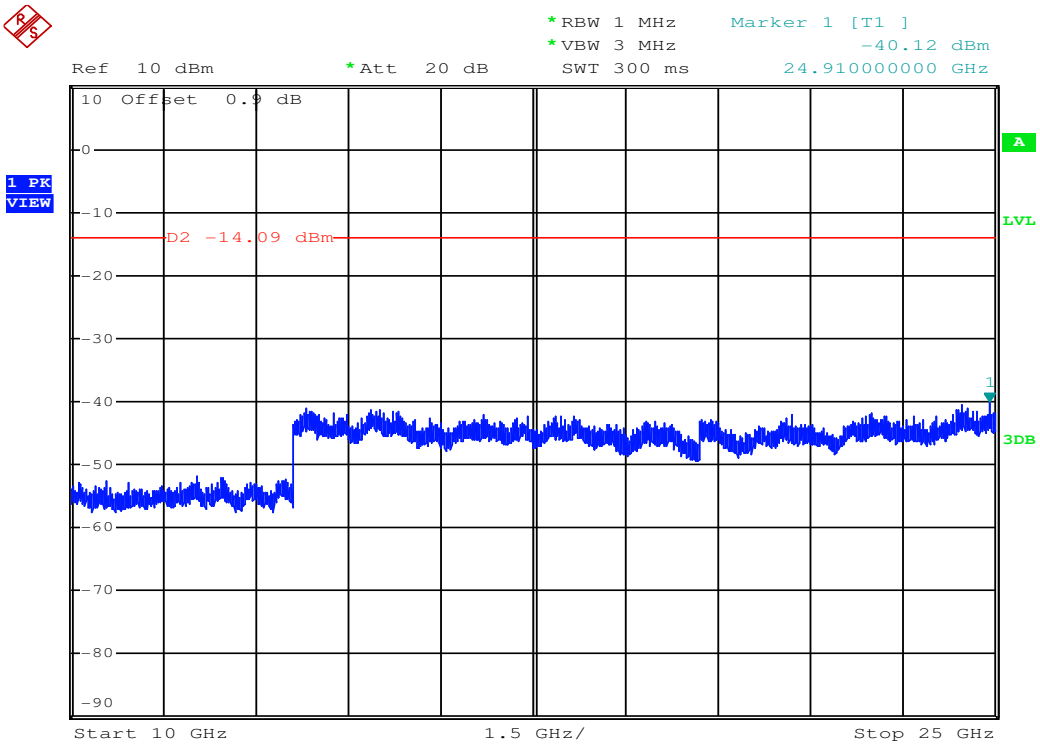
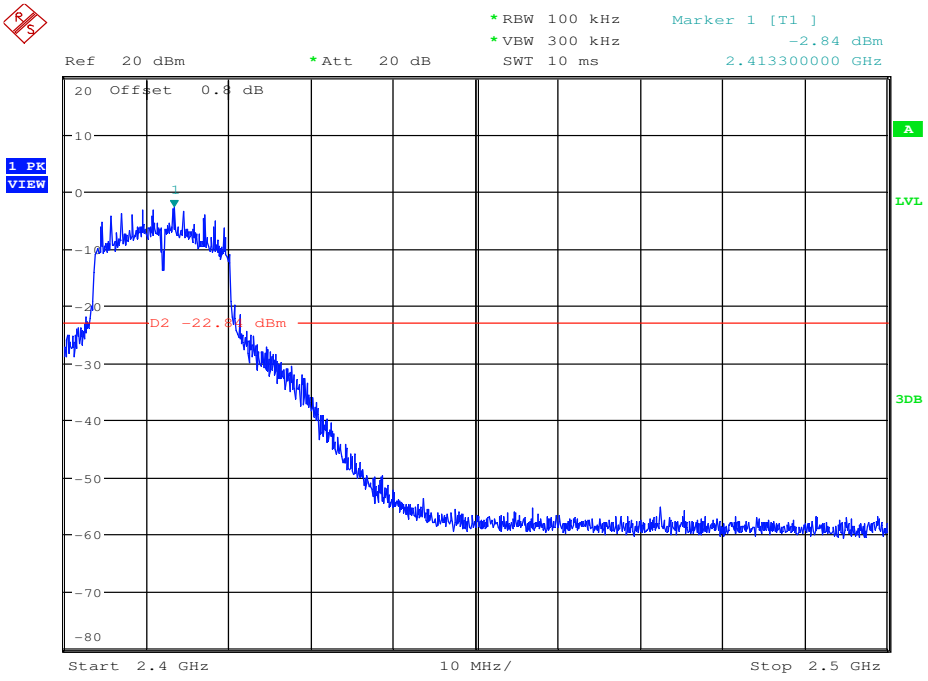
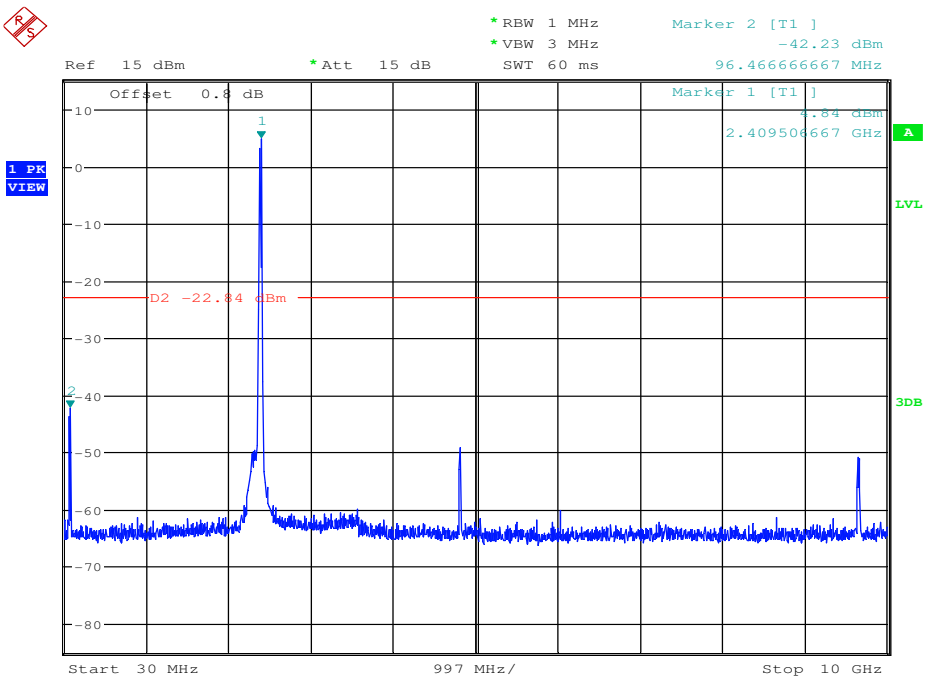


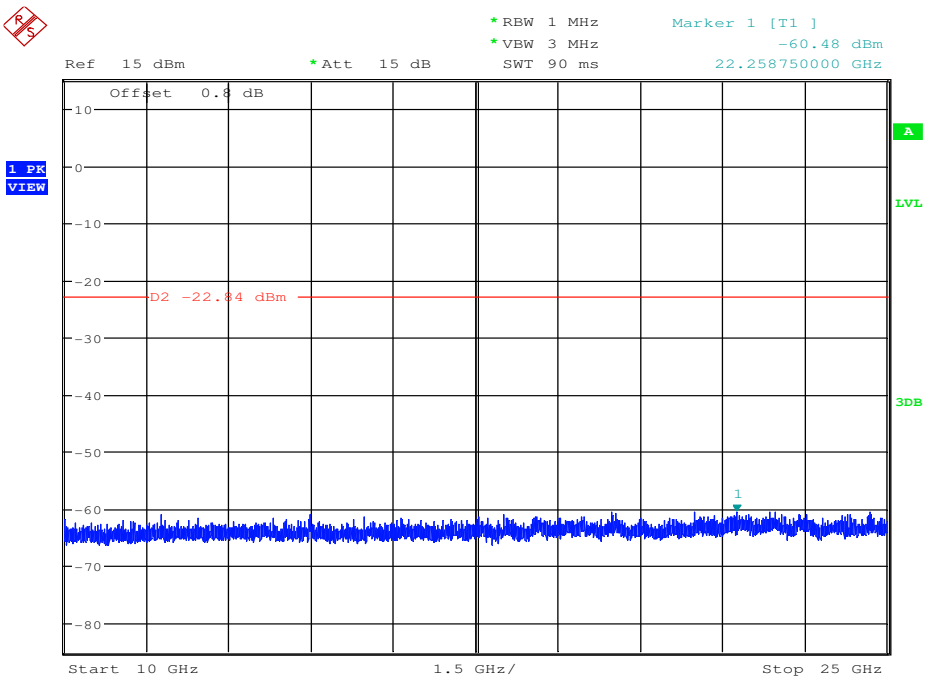
CSE_1



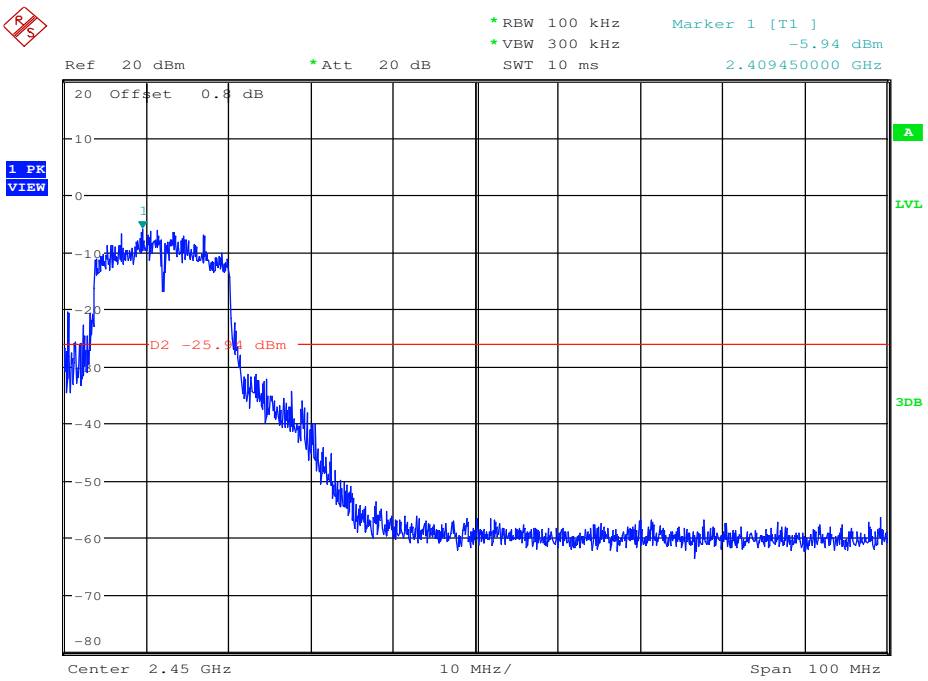
CSE_2



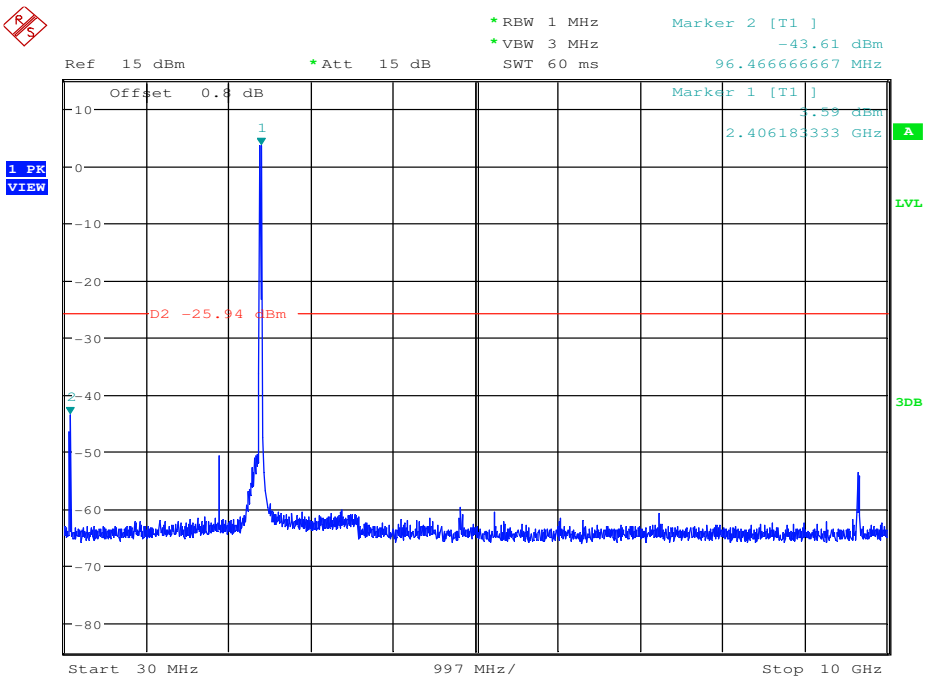
RF Conducted Spurious Emissions_11G_2412_Ant1	
Pref	
CSE_1	

CSE_2	

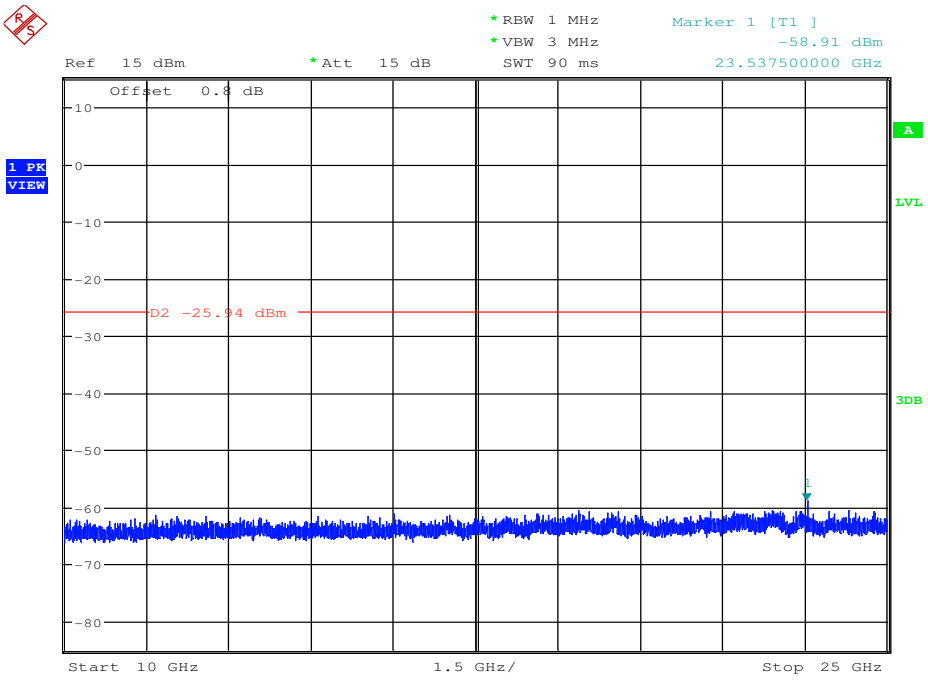
RF Conducted Spurious Emissions_11G_2412_Ant2

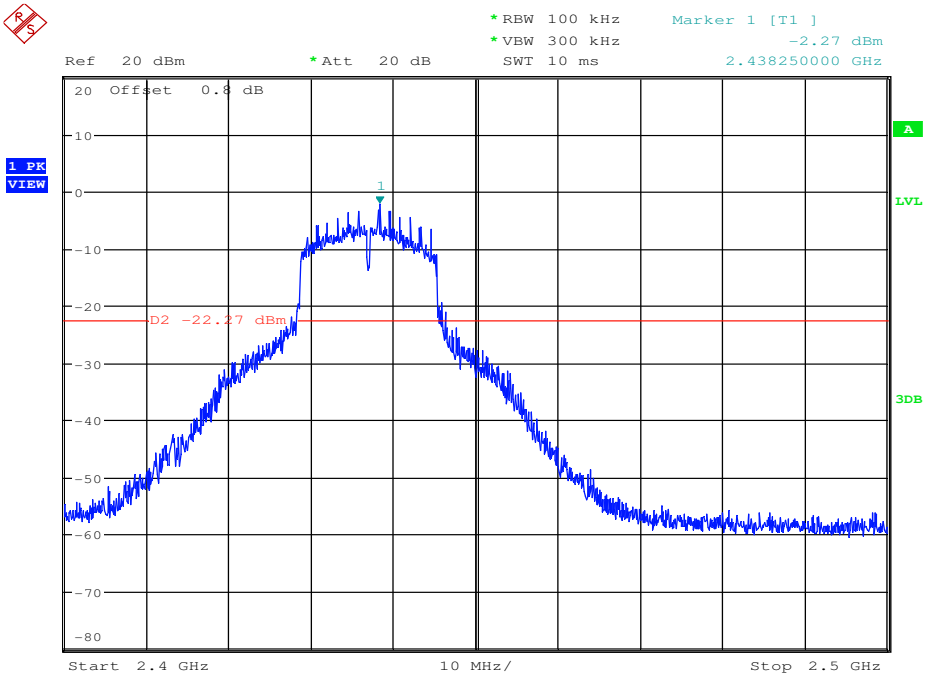
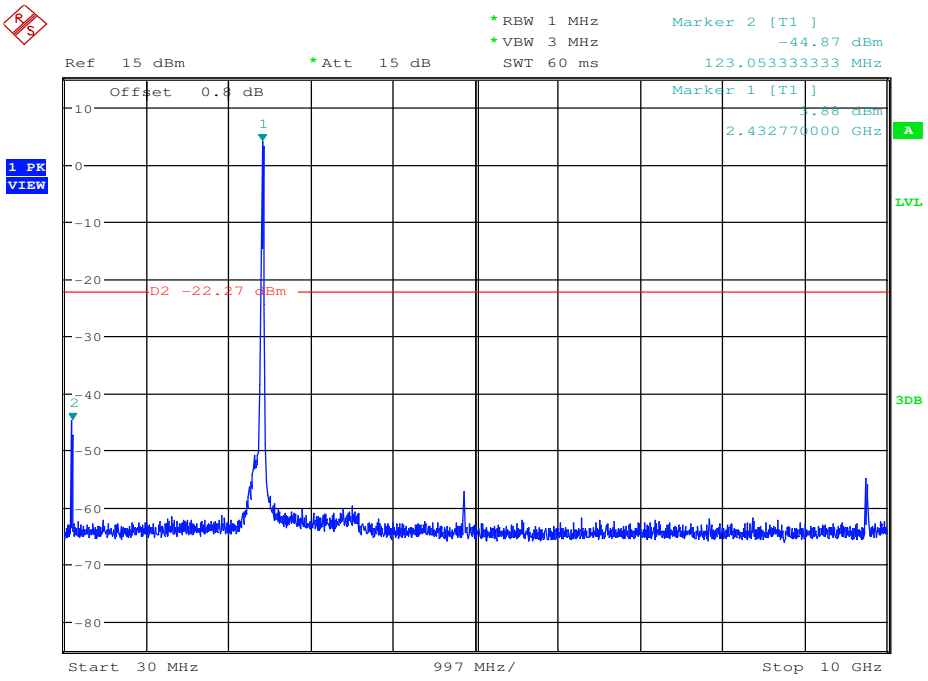
Pref	

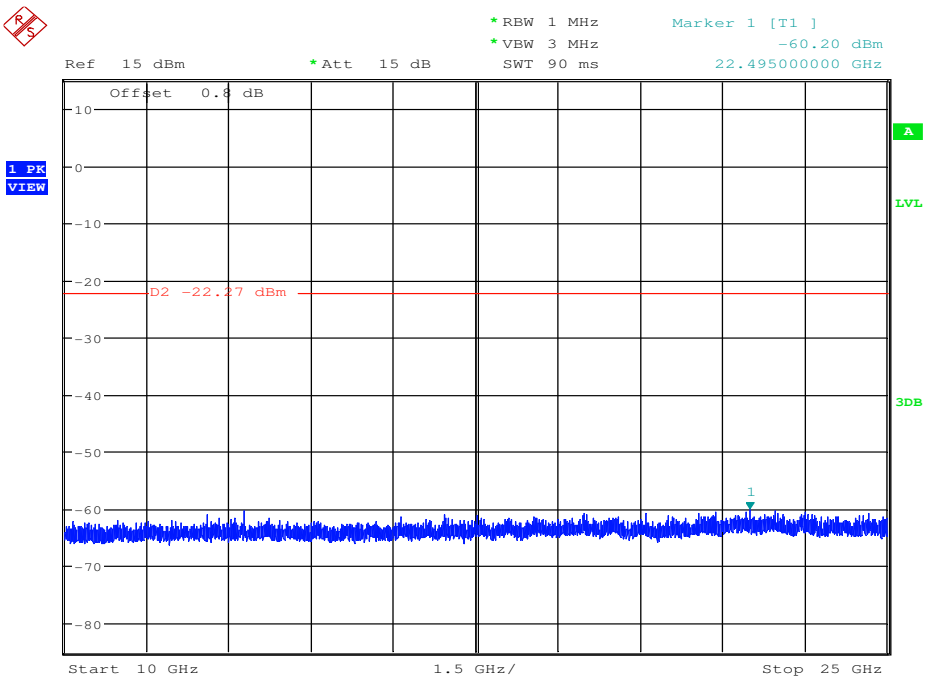
CSE_1



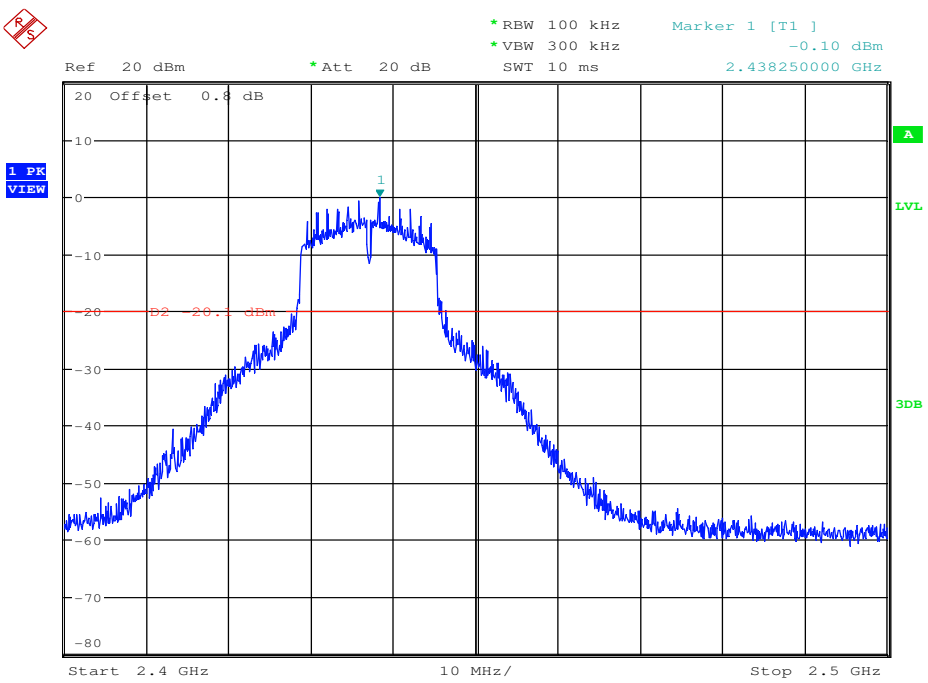
CSE_2



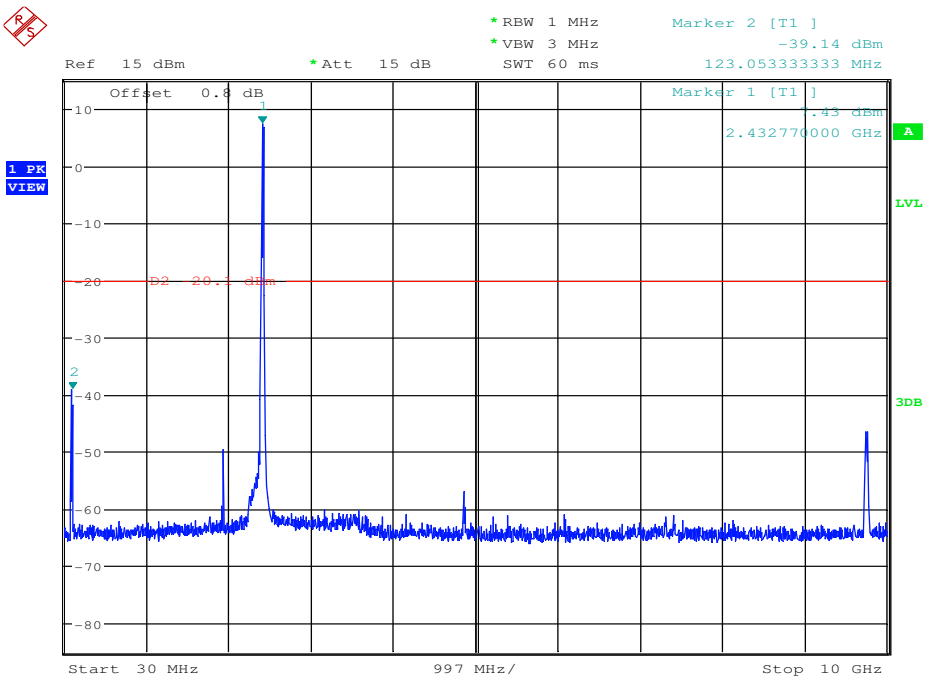
RF Conducted Spurious Emissions_11G_2437_Ant1	
Pref	
CSE_1	

CSE_2	

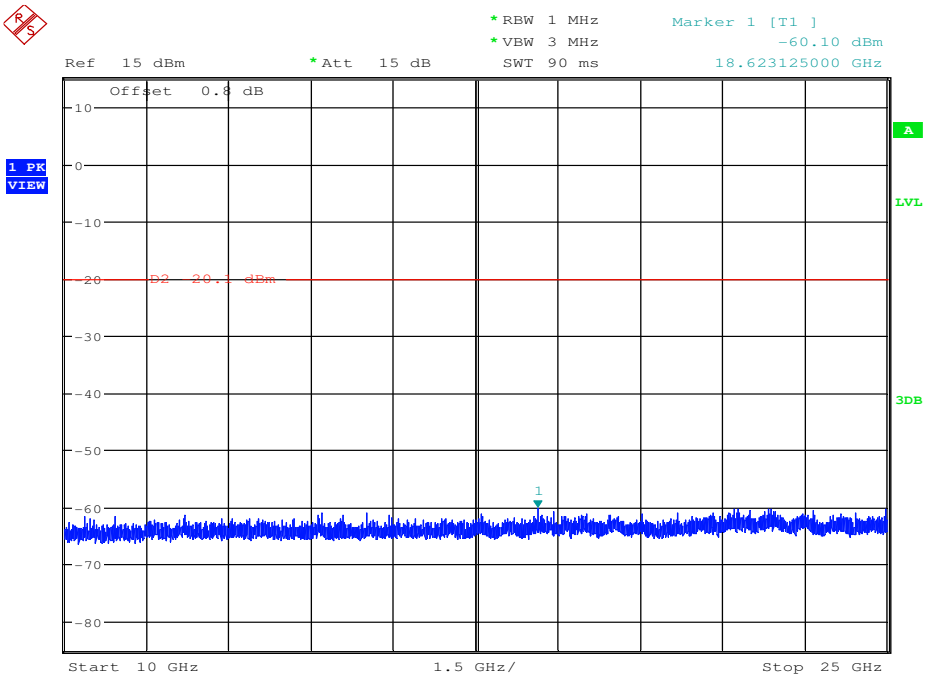
RF Conducted Spurious Emissions_11G_2437_Ant2

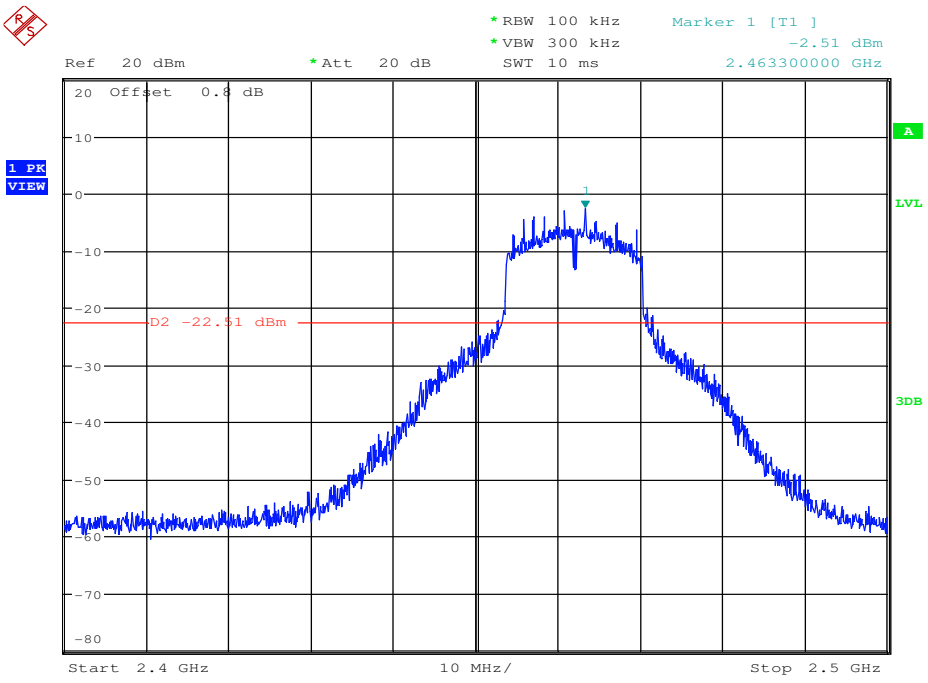
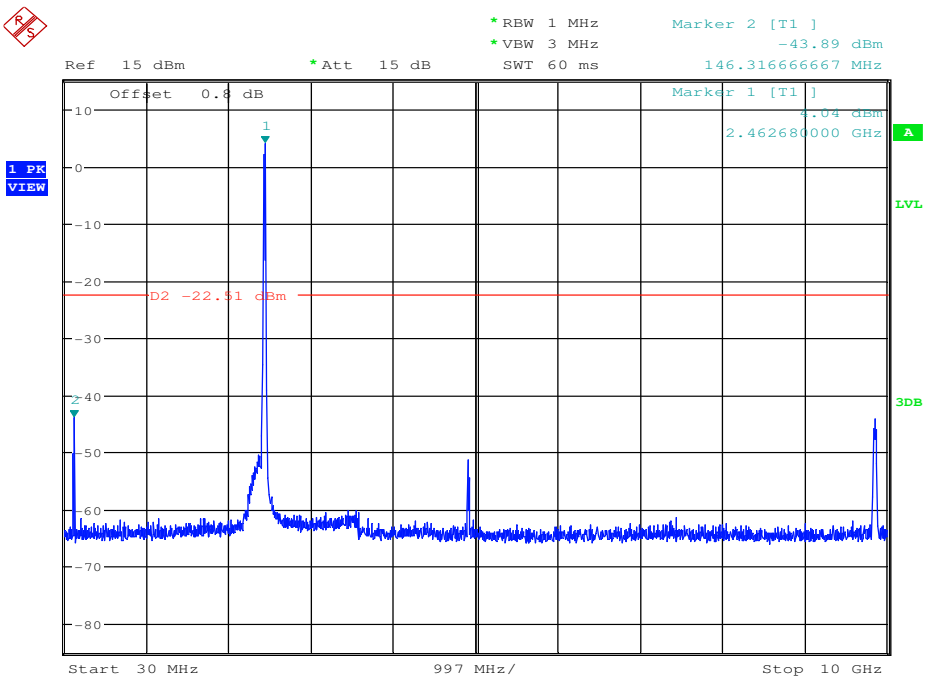
Pref	

CSE_1

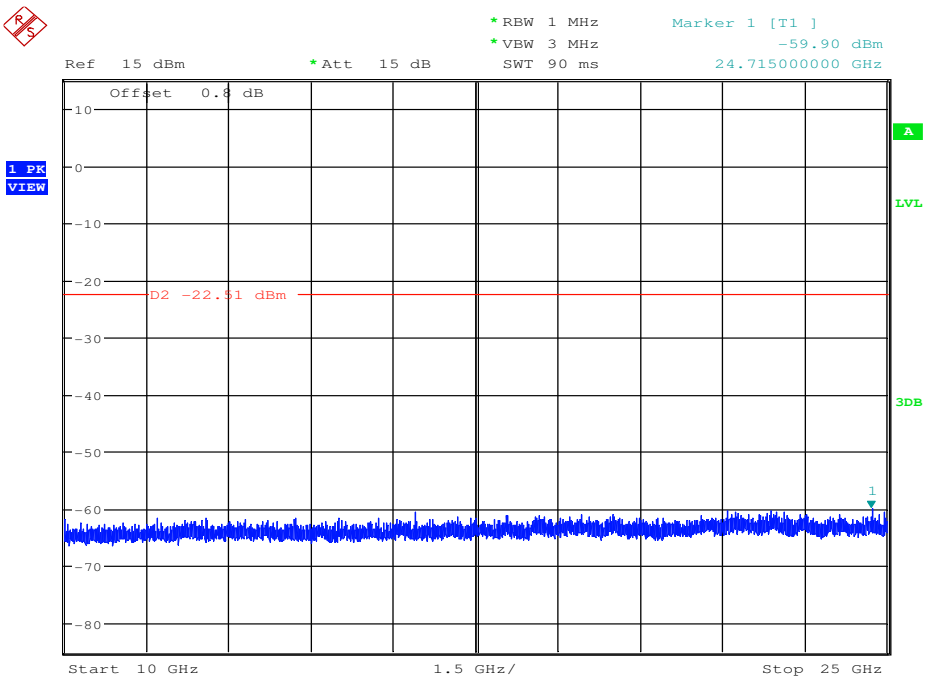


CSE_2



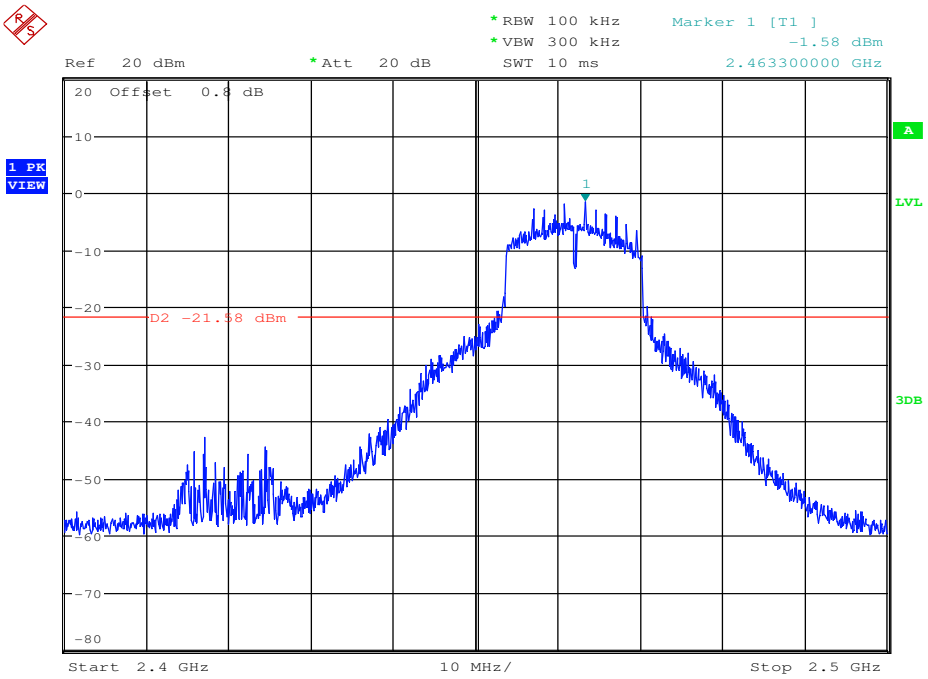
RF Conducted Spurious Emissions_11G_2462_Ant1	
Pref	
CSE_1	

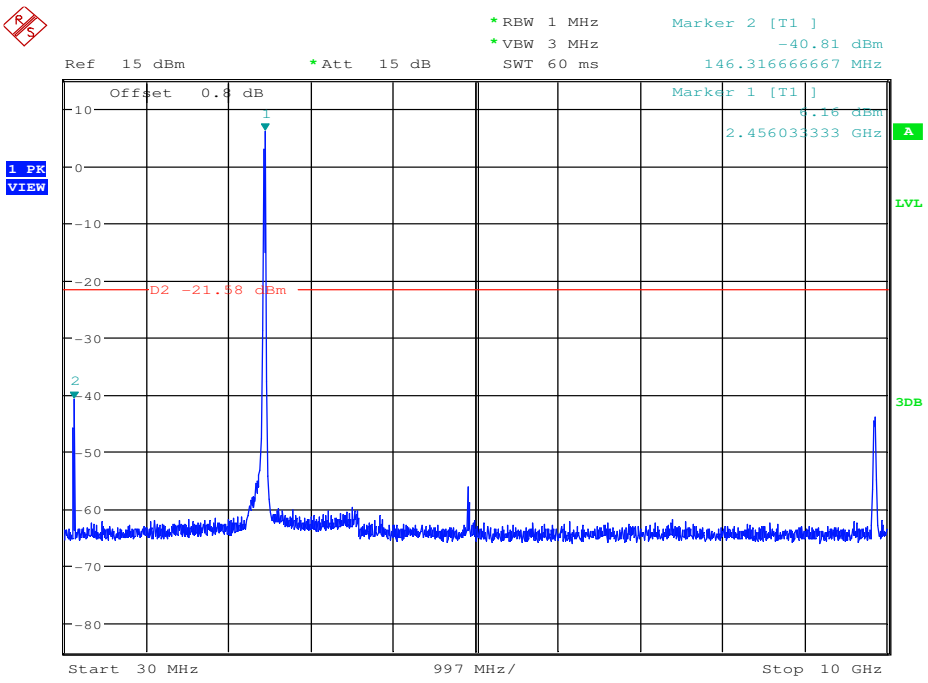
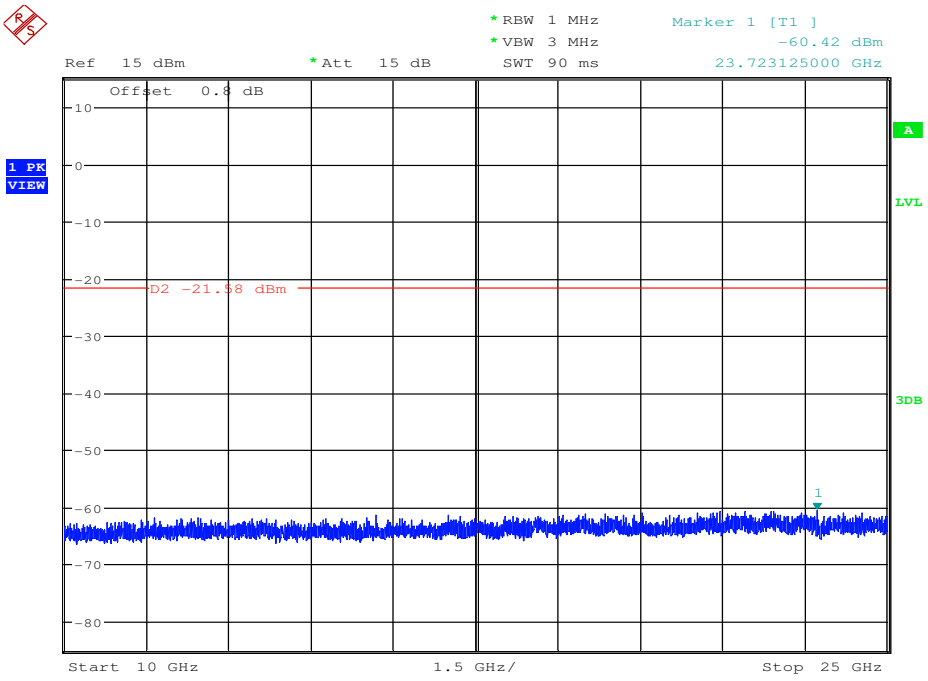
CSE_2

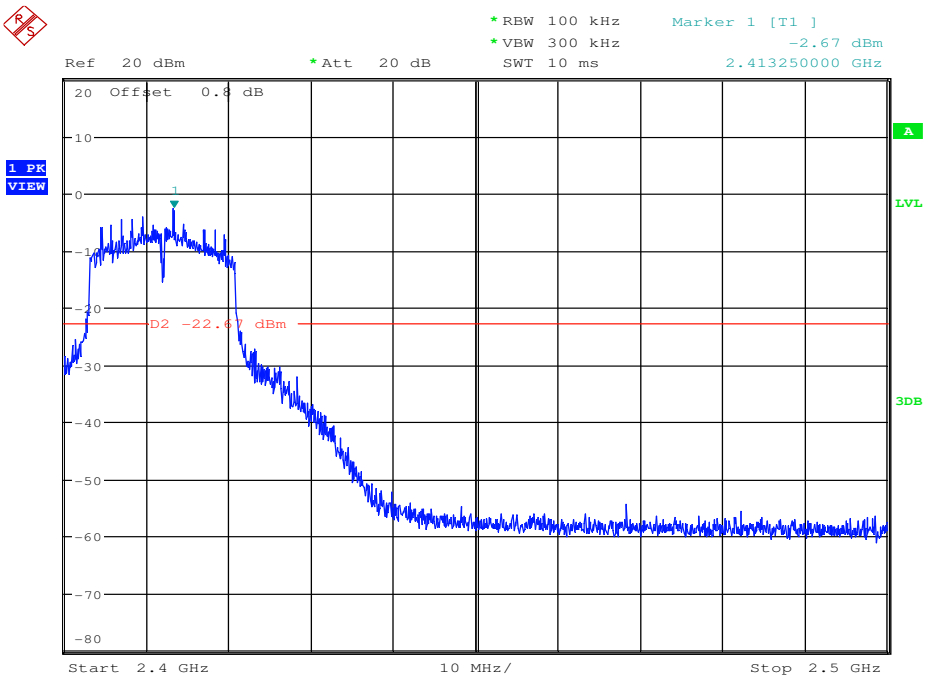
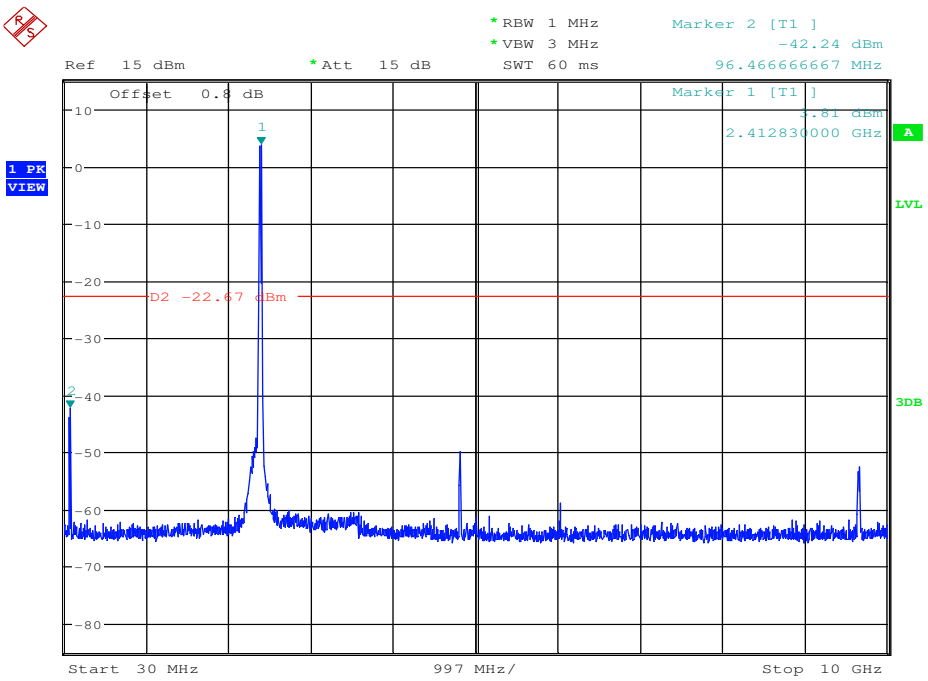


RF Conducted Spurious Emissions_11G_2462_Ant2

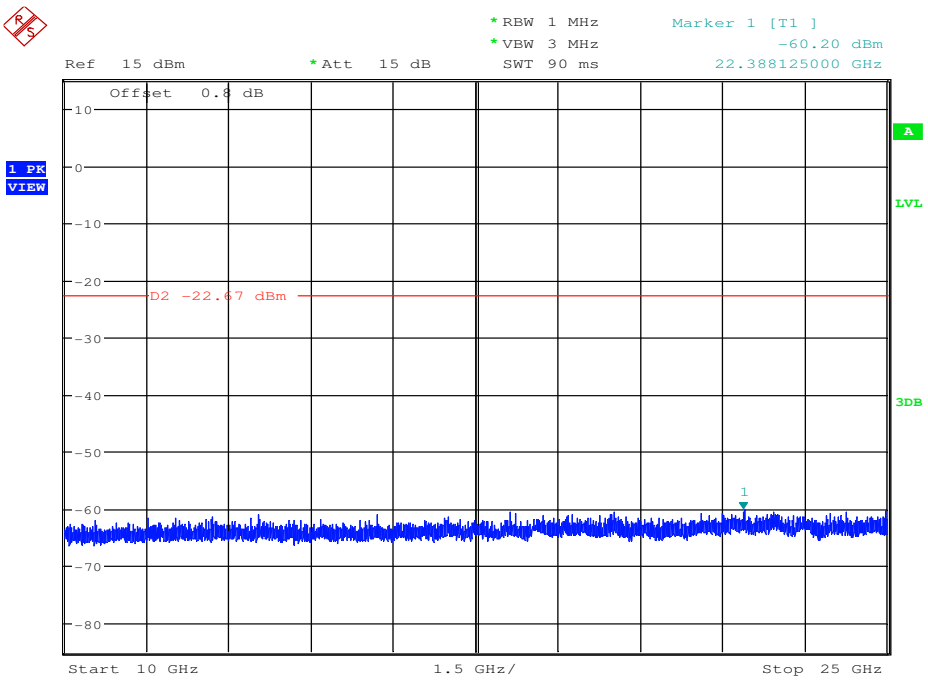
Pref



CSE_1	
CSE_2	

RF Conducted Spurious Emissions_11N20SISO_2412_Ant1	
Pref	
CSE_1	

CSE_2



RF Conducted Spurious Emissions_11N20SISO_2412_Ant2

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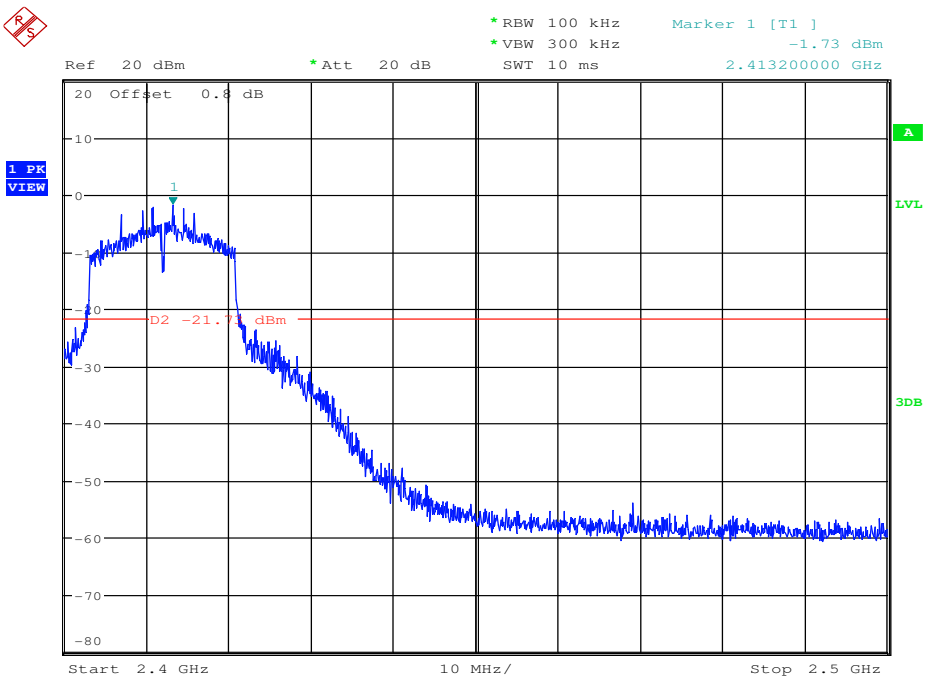

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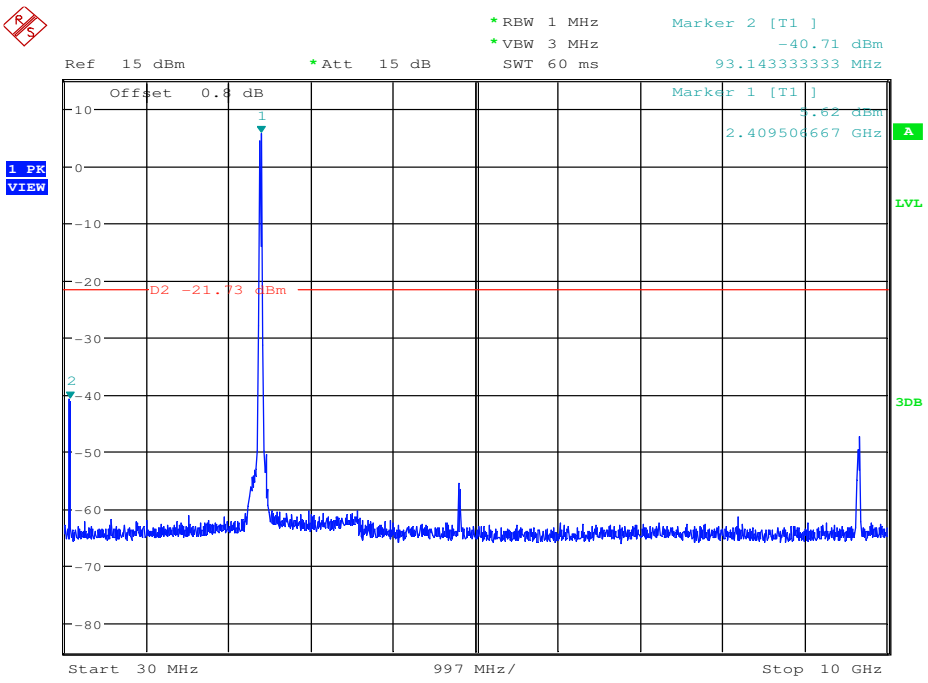

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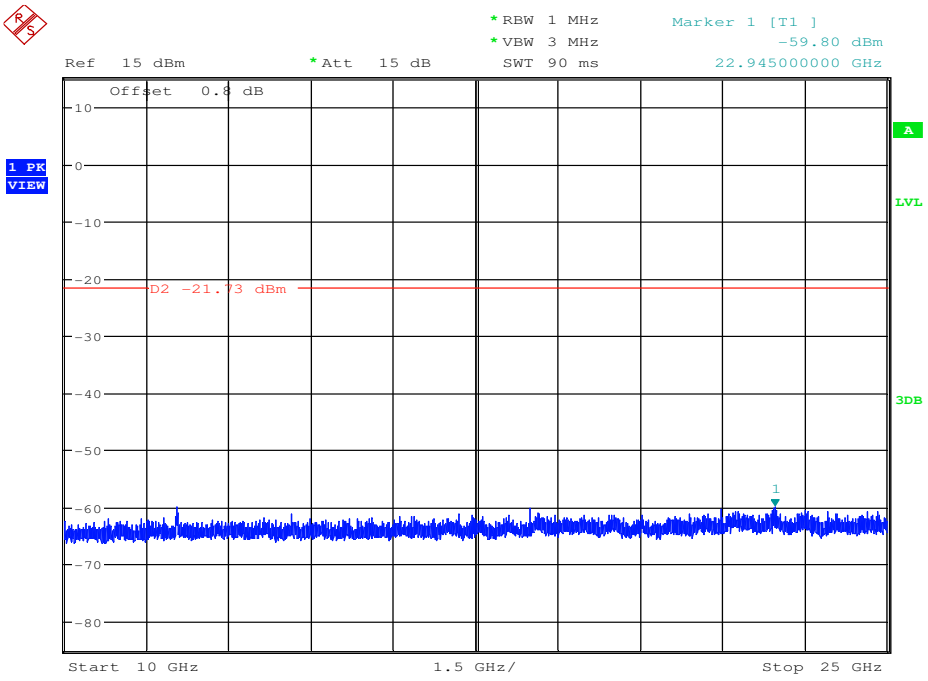

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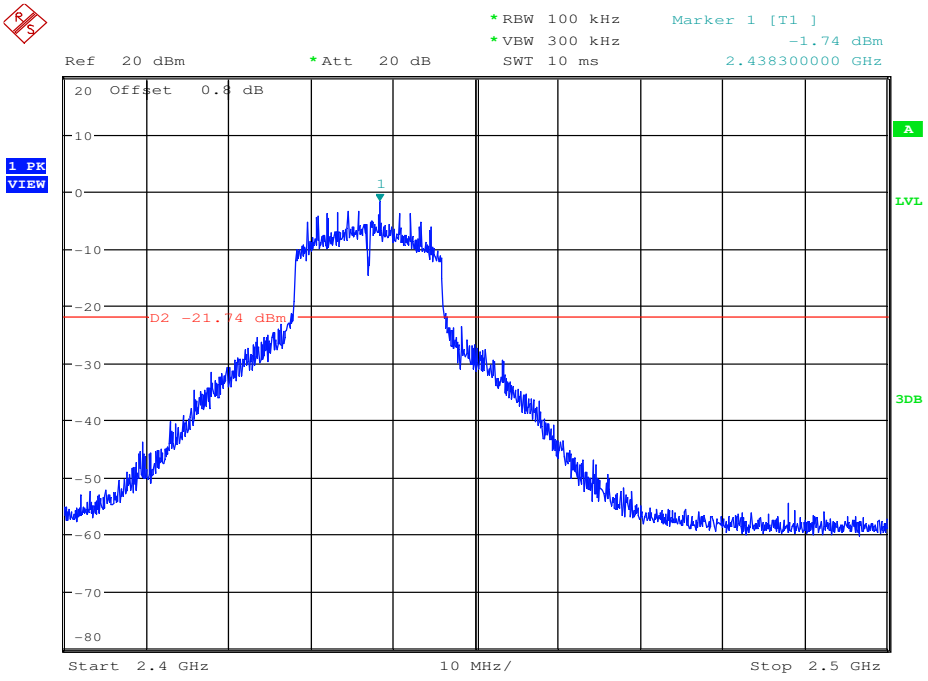
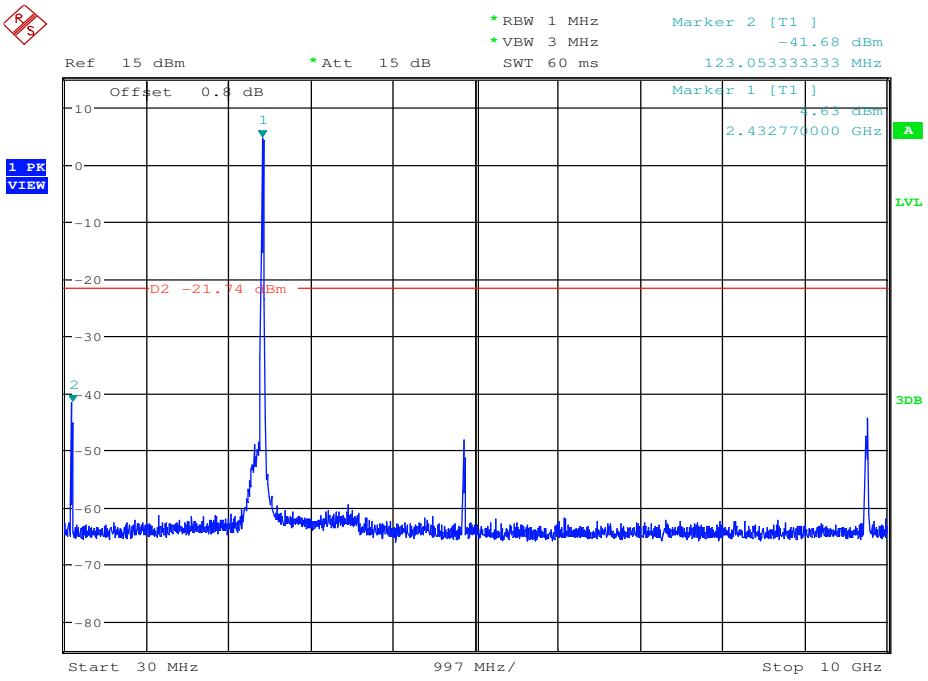
Pref	
CSE_1	

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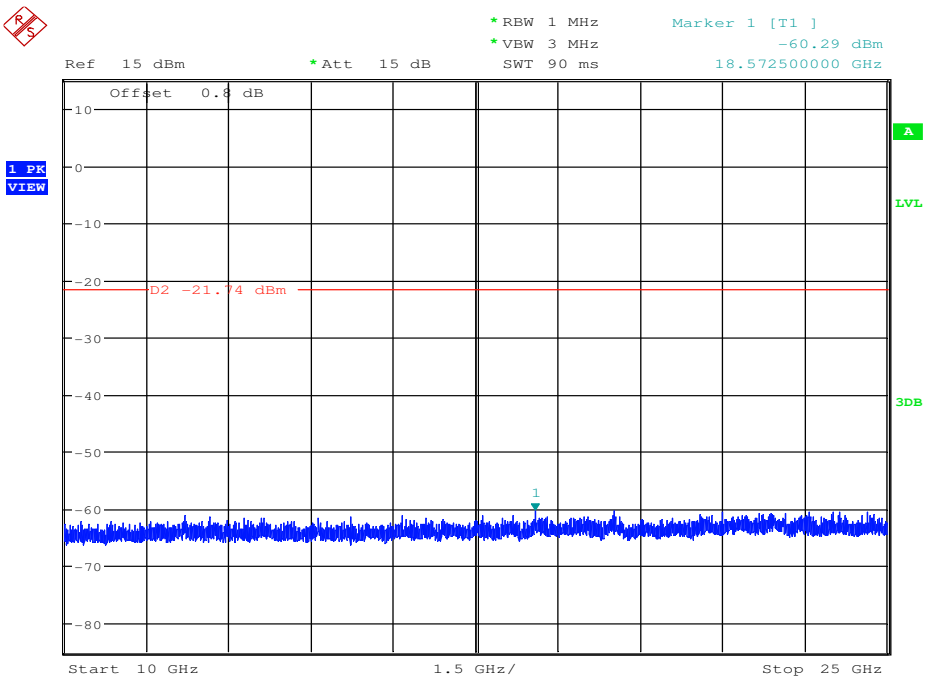

RF Conducted Spurious Emissions_11N20SISO_2437_Ant2

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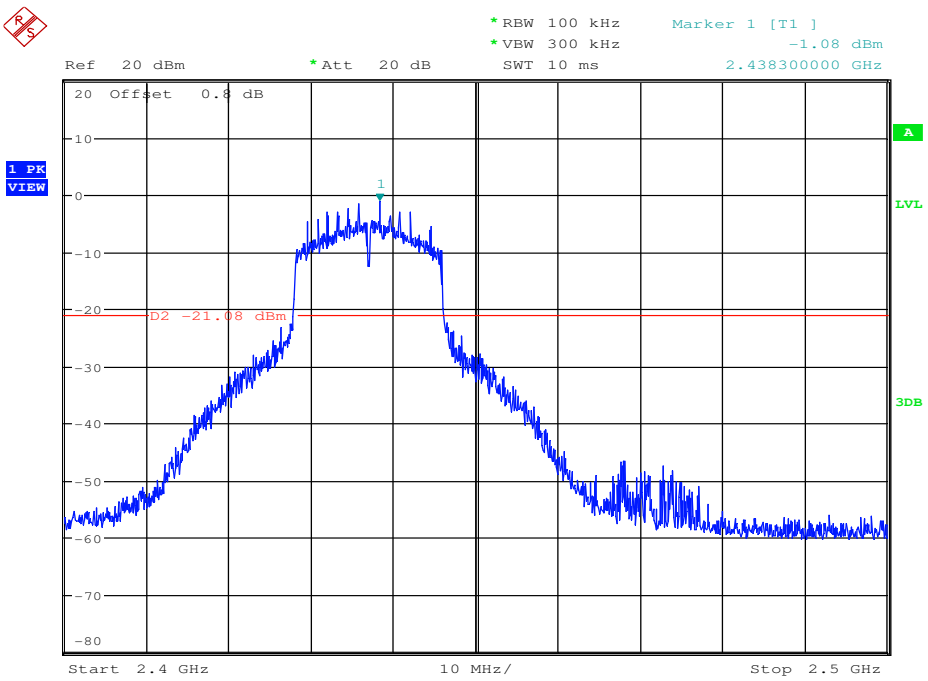

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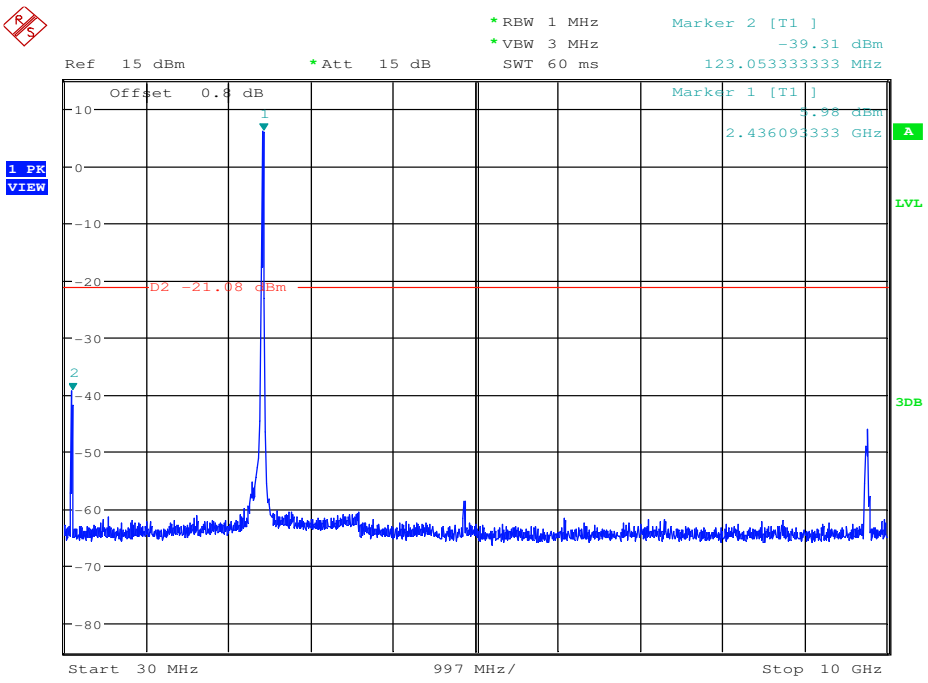

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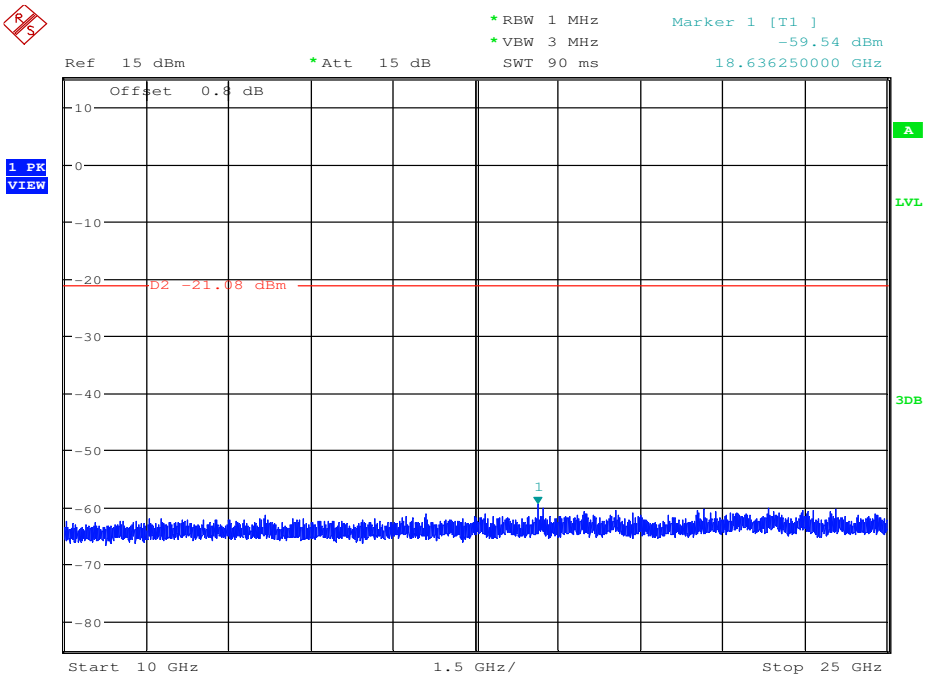

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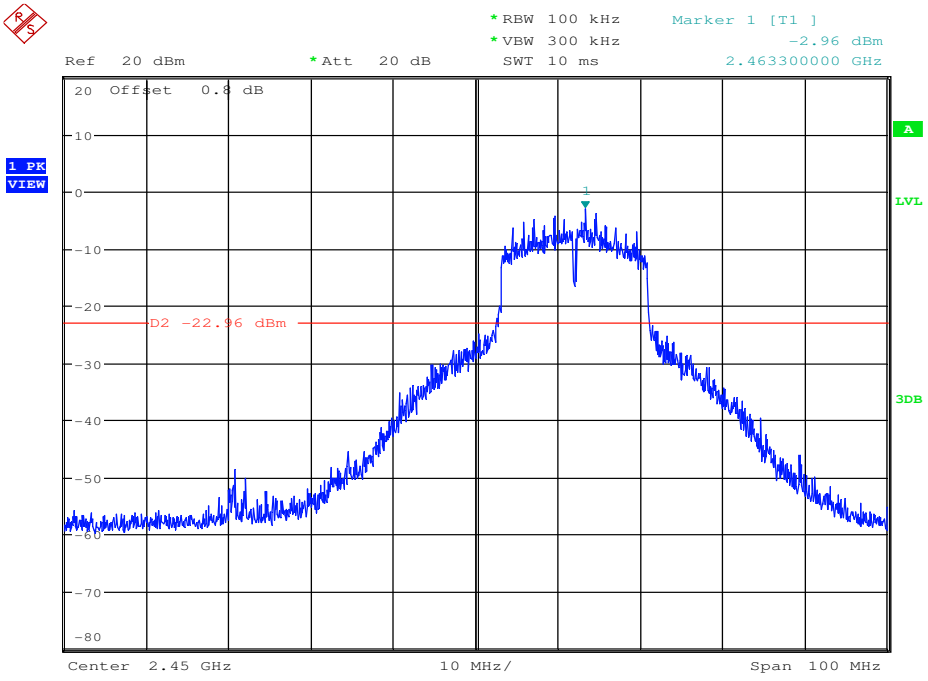
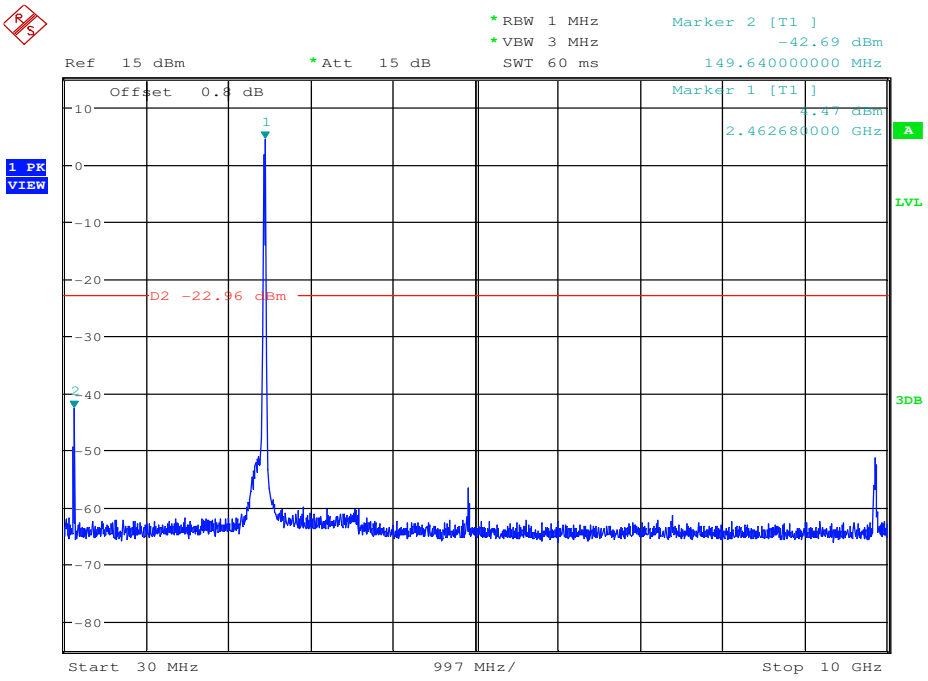
Pref	
CSE_1	

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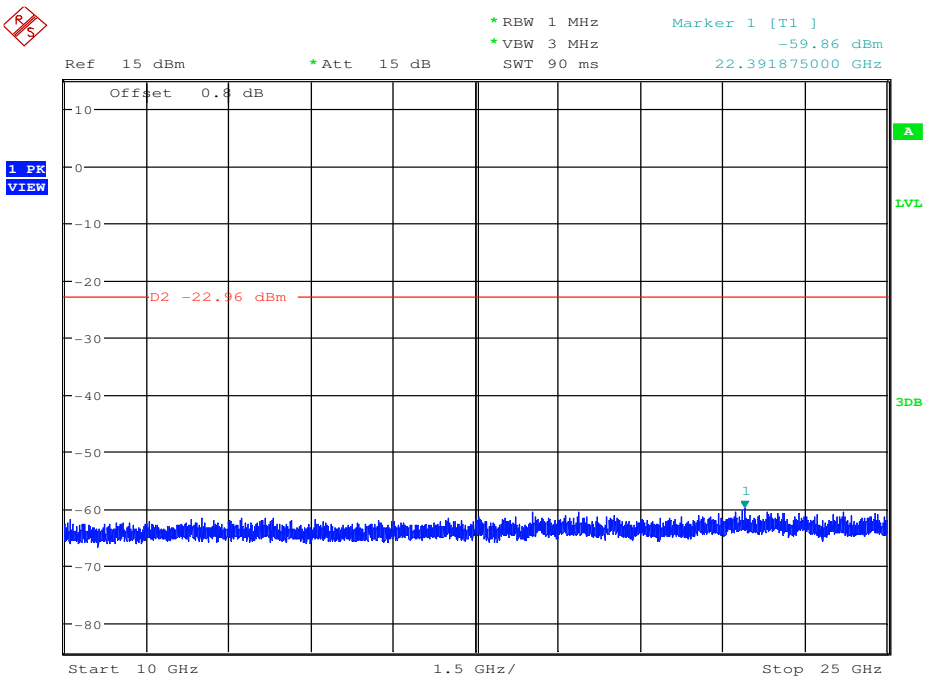

RF Conducted Spurious Emissions_11N20SISO_2462_Ant2

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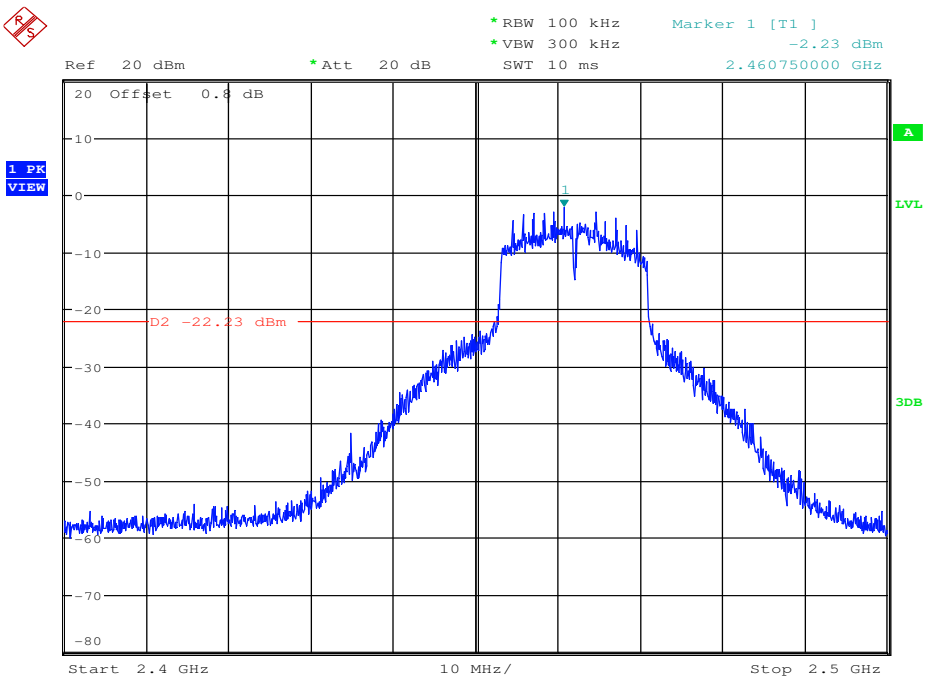

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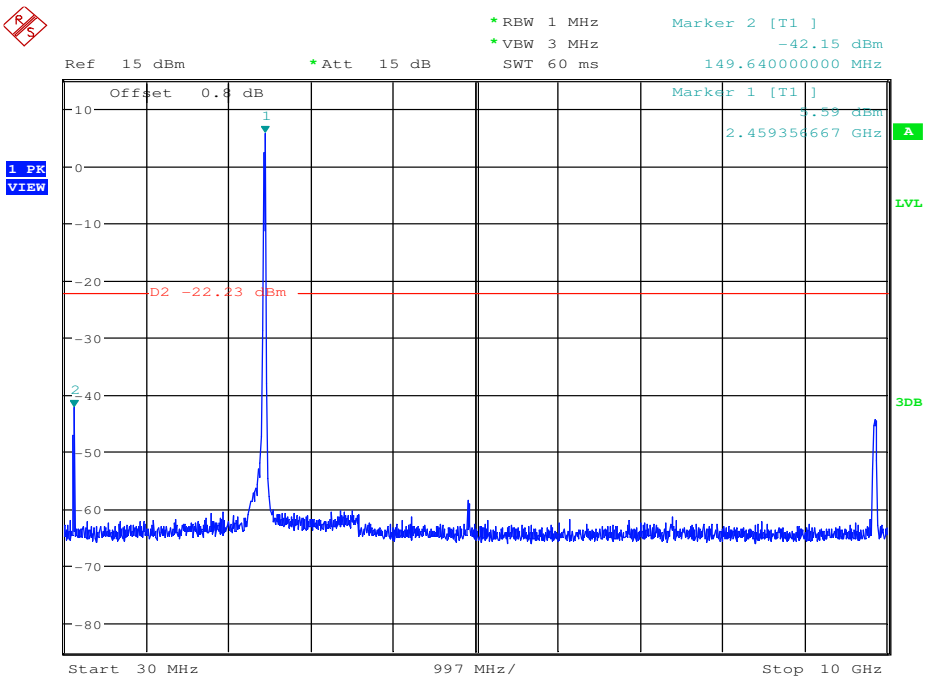

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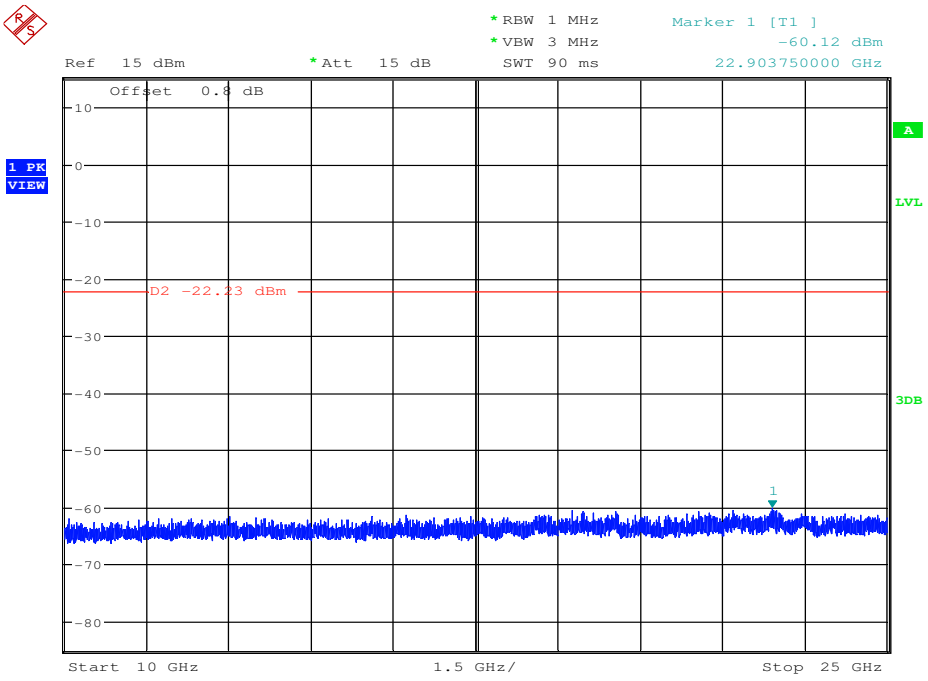

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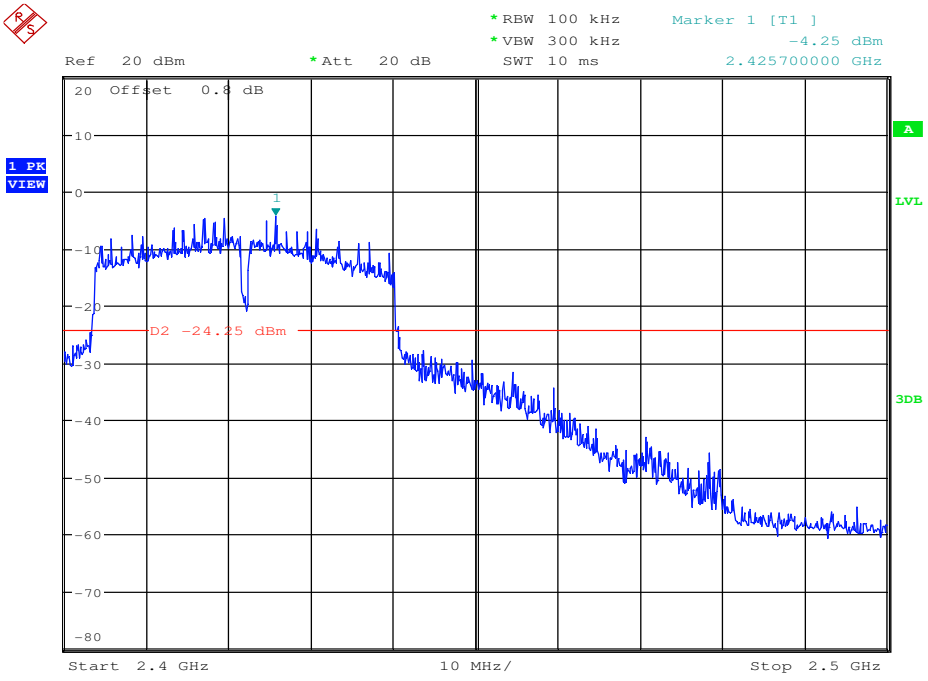
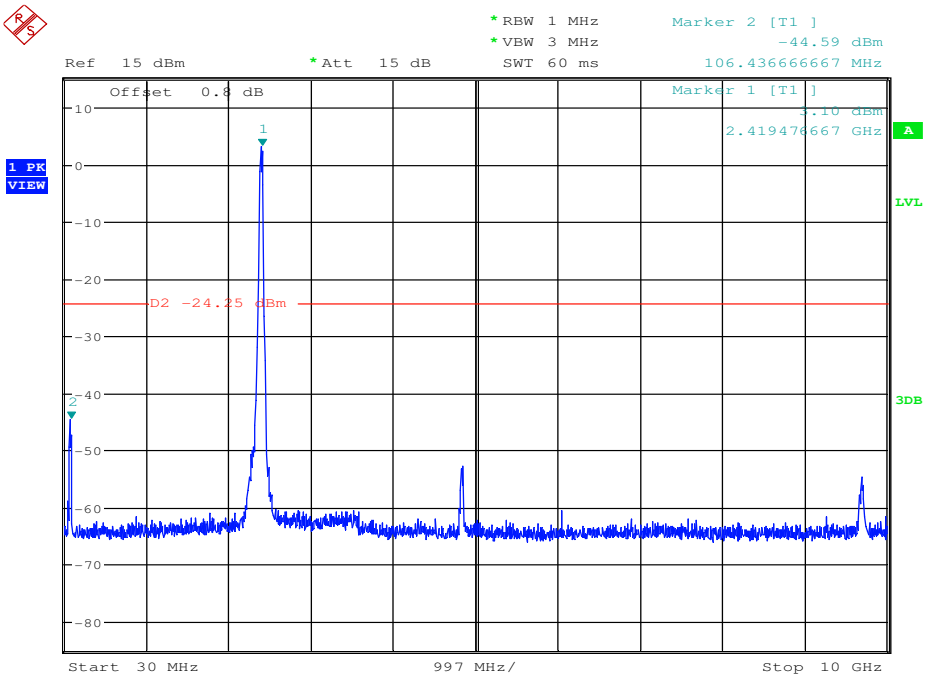
Pref	
CSE_1	

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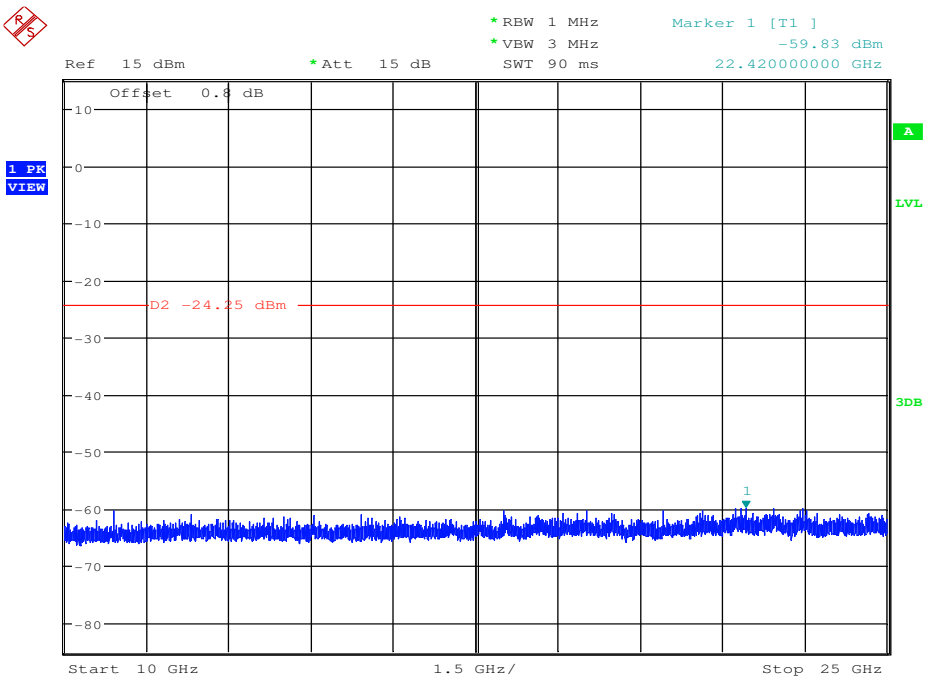

RF Conducted Spurious Emissions_11N40SISO_2422_Ant2

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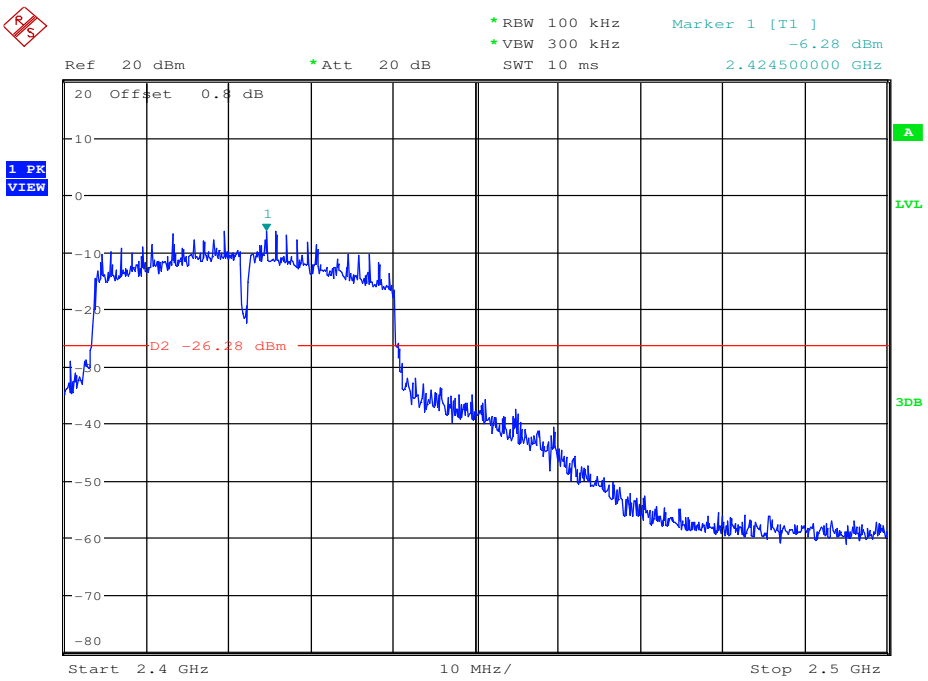

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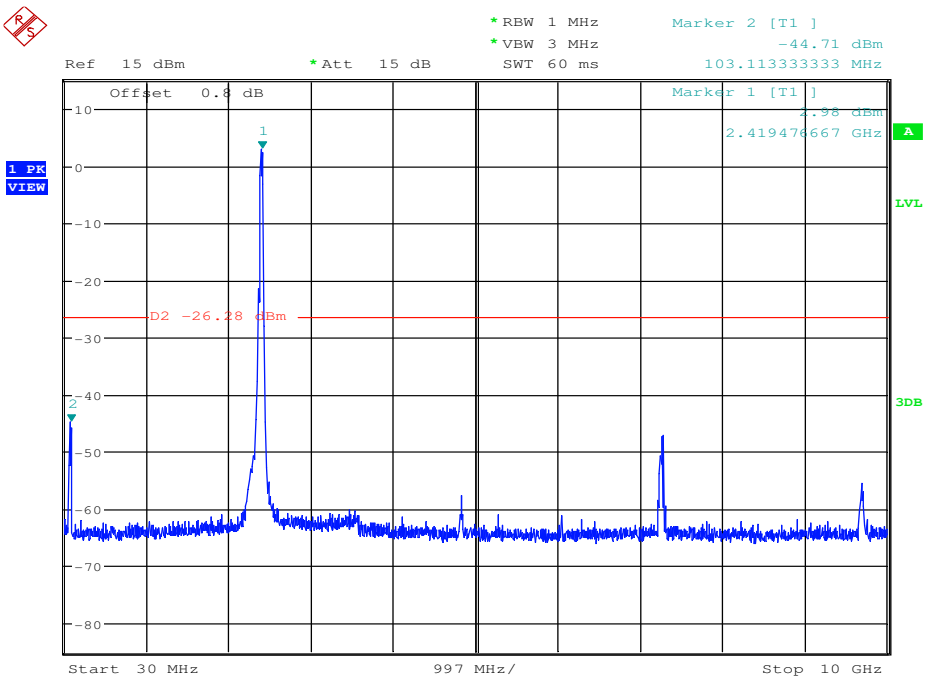

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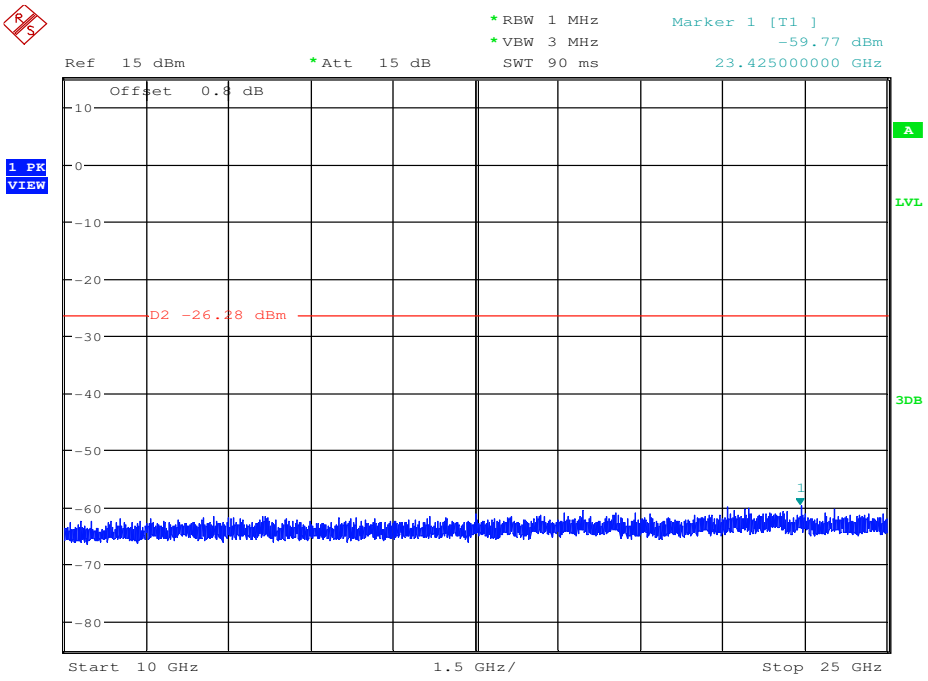

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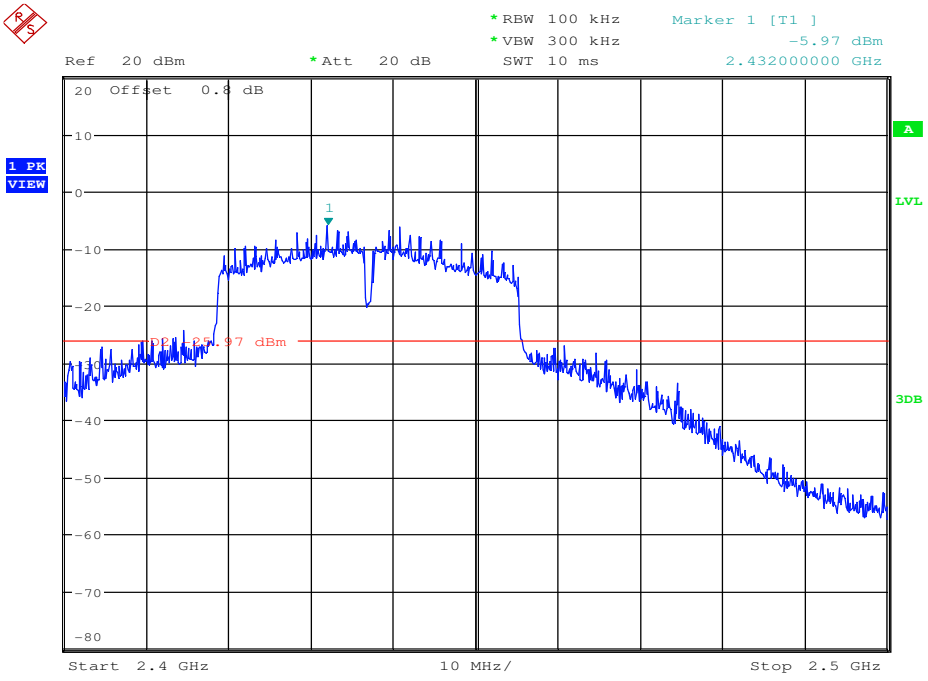
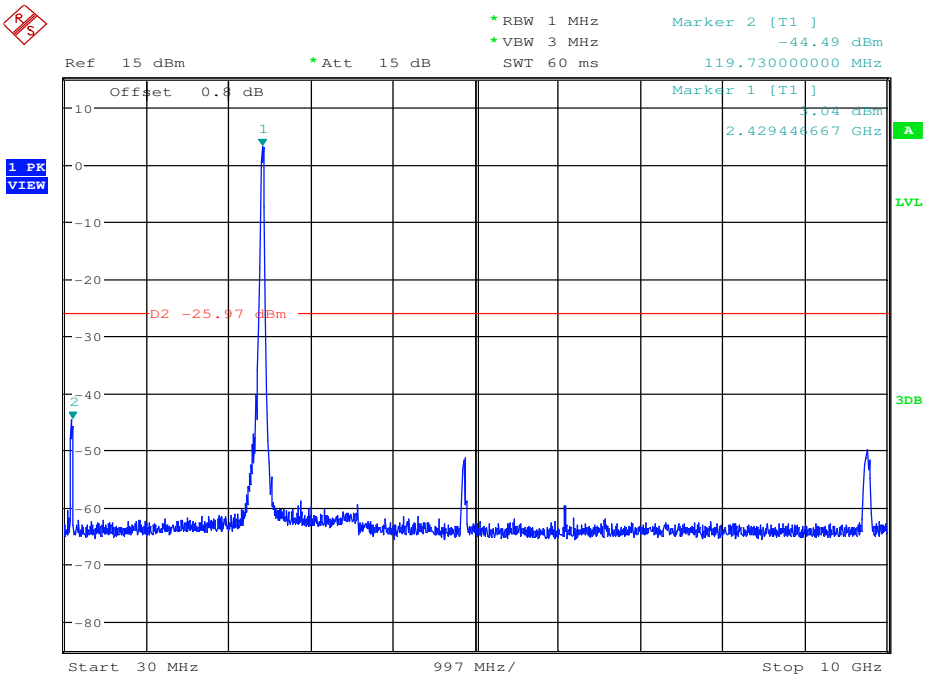
Pref	
CSE_1	

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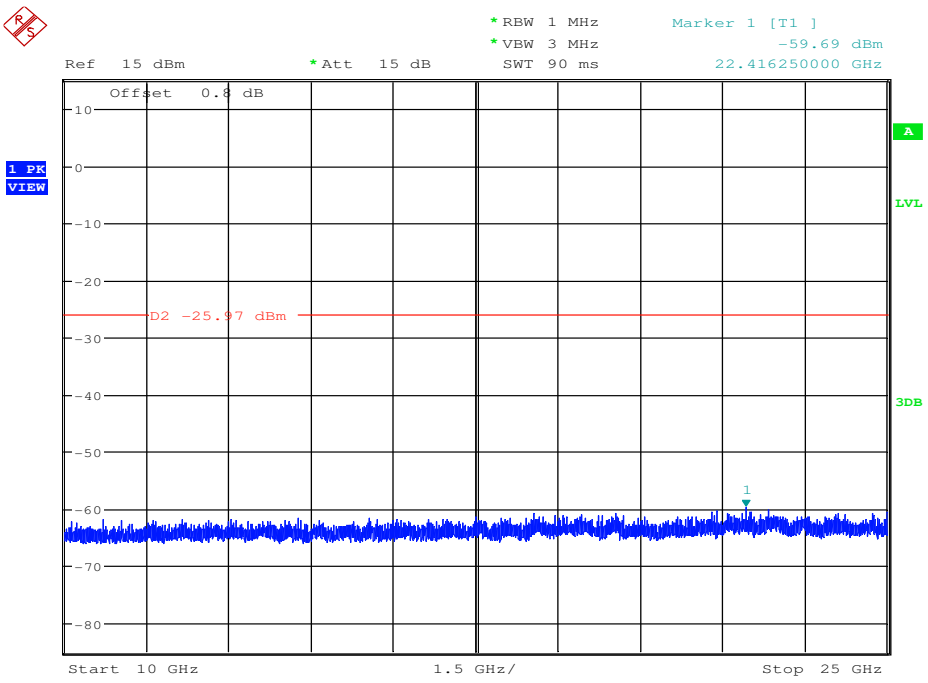

RF Conducted Spurious Emissions_11N40SISO_2437_Ant2

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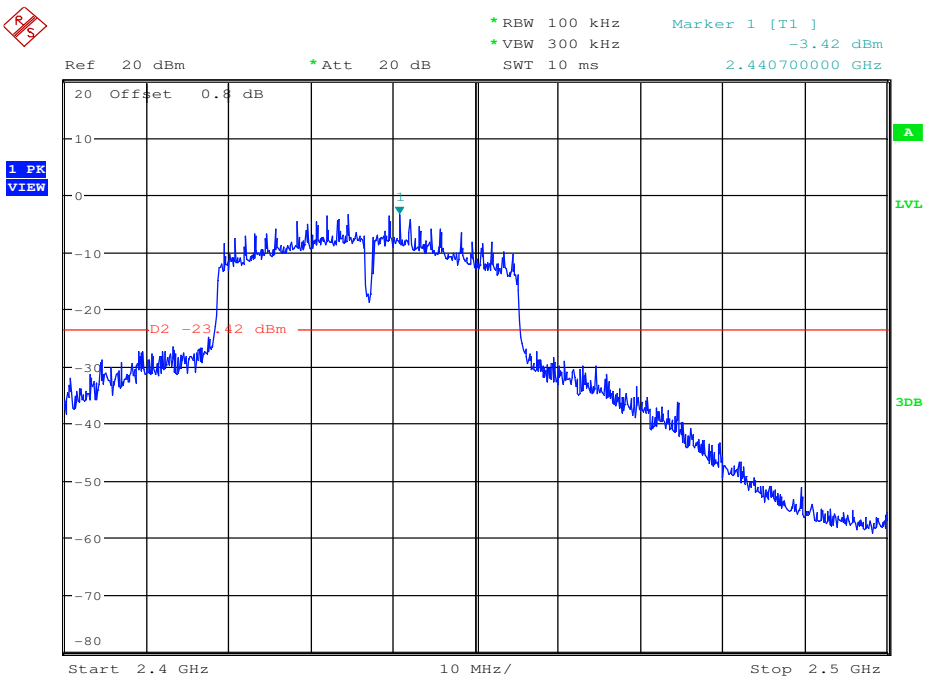

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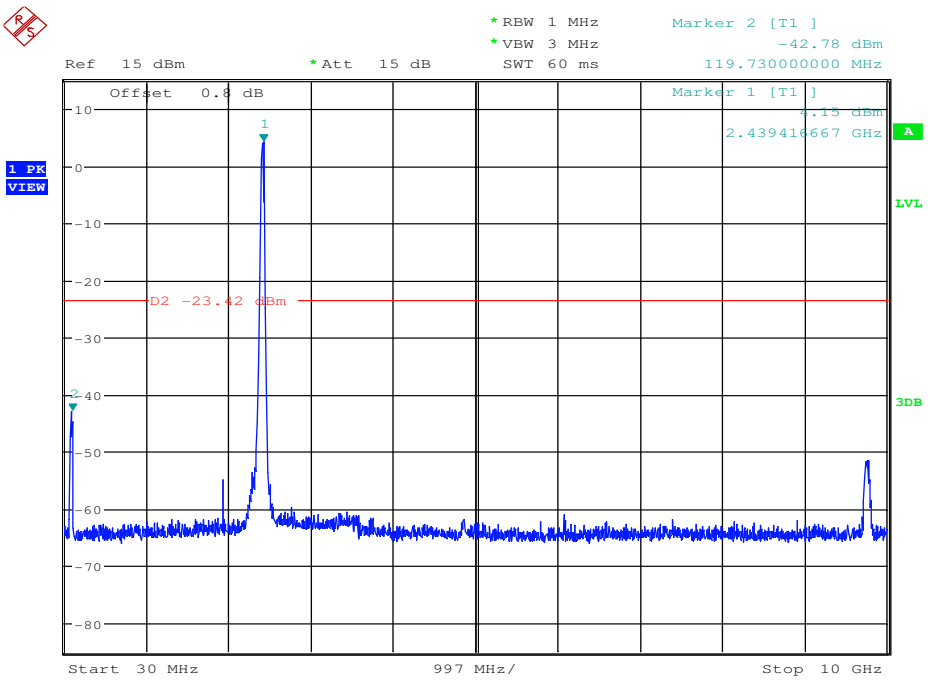

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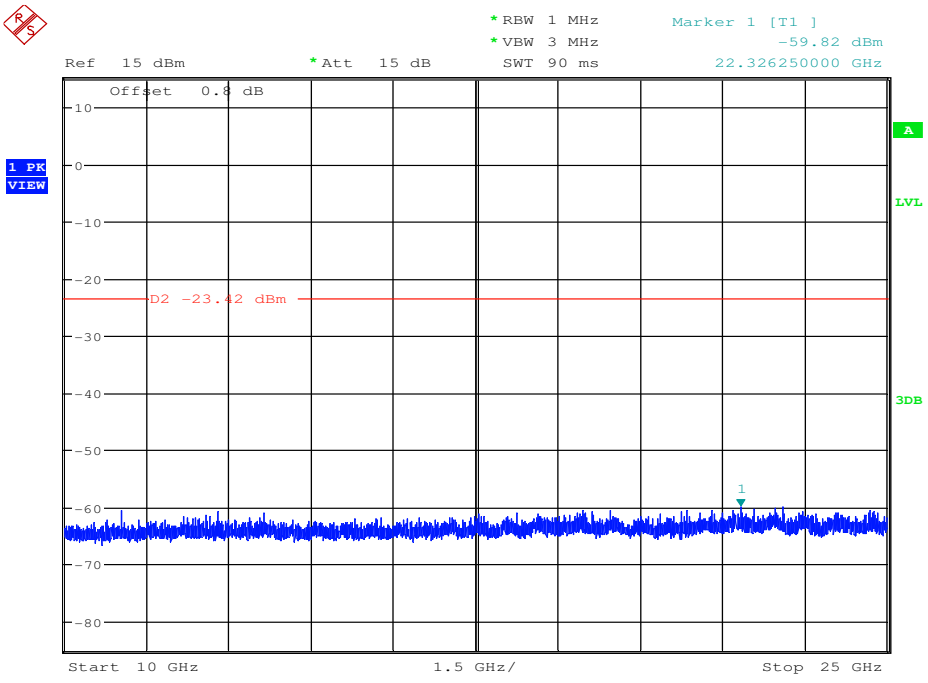

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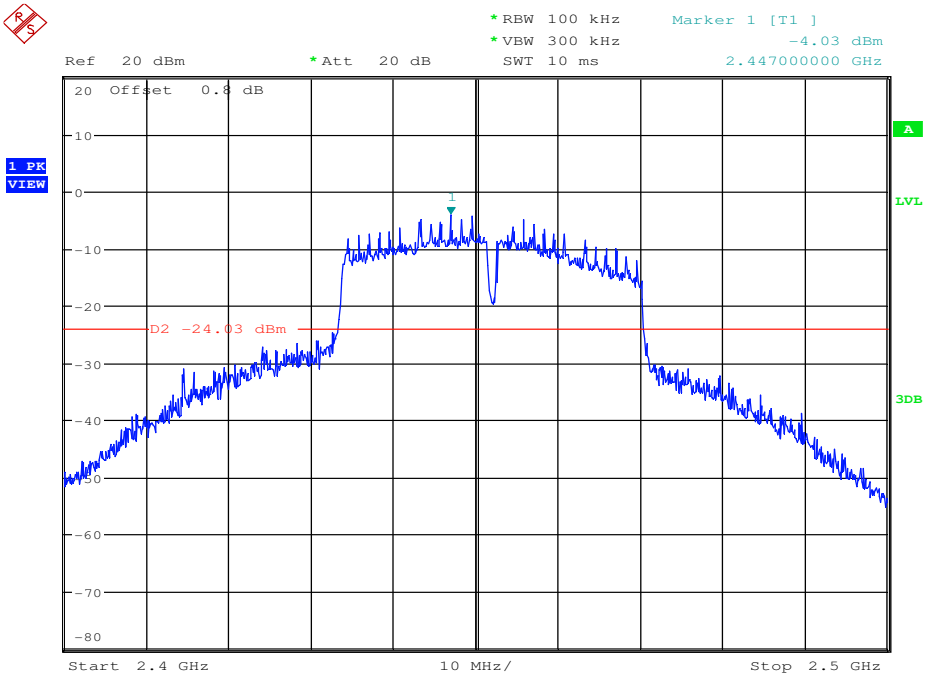
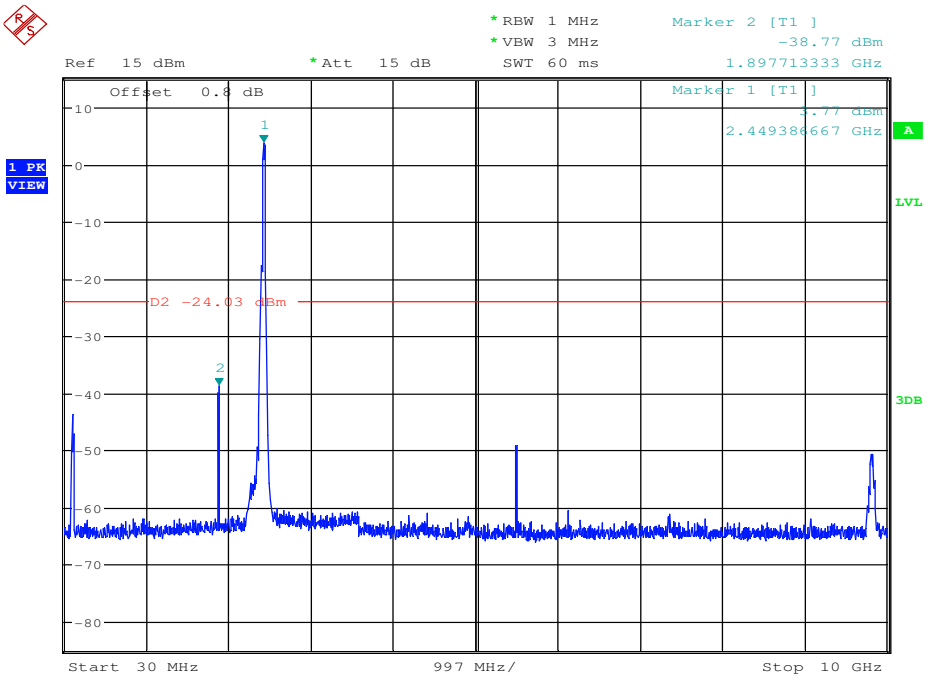
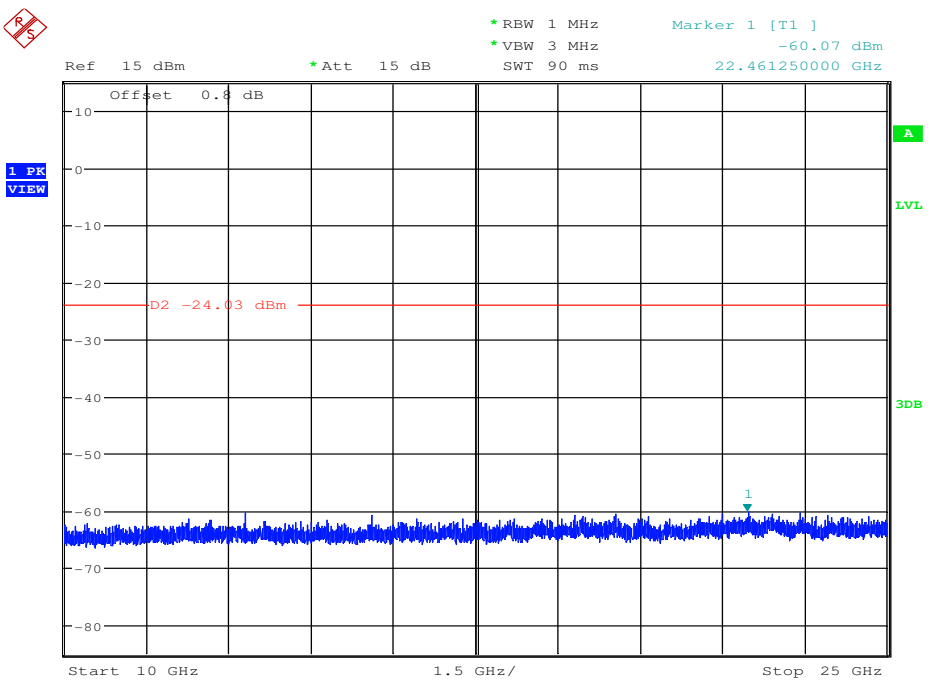
Pref	
CSE_1	

CSE_2	

-End of Report-