

Report No.: XEWM2203000061RG04  
 Rev.: 01  
 Page: 1 of 133

# TEST REPORT

**Application No.:** XEWM2203000061RG  
**Applicant:** Great Talent Technology Limited  
**Address of Applicant:** 35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China  
**Manufacturer:** Great Talent Technology Limited  
**Address of Manufacturer:** 35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China  
**EUT Description:** feature phone  
**Model No.:** SC3218B  
**Trade Mark:** SCHOK  
**FCC ID:** 2ALZM-SC3218B  
**Standards:** 47 CFR FCC Part 2, Subpart J  
 47 CFR Part 15, Subpart C  
**Date of Receipt:** 2021/11/9  
**Date of Test:** 2021/11/13 to 2021/12/24  
**Date of Issue:** 2022/3/18

<b>Test Result :</b>	<b>PASS *</b>
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\* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Authorized Signature:


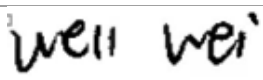
Panta Sun  
 Wireless Laboratory Manager



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# 1 Version

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022/3/18		Original

<b>Prepared By</b>		 <hr/> <b>(Weller Liu) / Engineer</b>
<b>Checked By</b>		 <hr/> <b>(Well Wei) / Reviewer</b>



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## 2 Test Summary

Test Item	Test Requirement	Test Method	Test Result	Result
Antenna Requirement	15.203/247(b)	--	Clause 4.1	PASS
AC Power Line Conducted Emission	15.207	ANSI C63.10 2013	Clause 4.2	PASS
Duty Cycle	--	--	Clause 4.3	PASS
Conducted Output Power	15.247 (b)(3)	ANSI C63.10 2013	Clause 4.4	PASS
DTS (6 dB) Bandwidth & 99% Occupied Bandwidth	15.247 (a)(2)	ANSI C63.10 2013	Clause 4.5	PASS
Power Spectral Density	15.247 (e)	ANSI C63.10 2013	Clause 4.6	PASS
Band-edge for RF Conducted Emissions	15.247(d)	ANSI C63.10 2013	Clause 4.7	PASS
RF Conducted Spurious Emissions	15.247(d)	ANSI C63.10 2013	Clause 4.8	PASS
Radiated Spurious Emissions	15.247(d);15.205/15.209	ANSI C63.10 2013	Clause 4.9	PASS
Restricted bands around fundamental frequency (Radiated Emission)	15.247(d);15.205/15.209	ANSI C63.10 2013	Clause 4.10	PASS



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Report No.: XEWM2203000061RG04  
 Rev.: 01  
 Page: 4 of 133

**Remark:**

This test report (Report No.: XEWM2203000061RG04 issued on 2022-03-16) is based on the original test report (Report No.: ZR/2021/8005304 issued on 2021-12-24).

Review this report and original report, this report just changing the parts according to the declaration letter from client.

Considering to the difference, pre-scan were performed on the sample in this report to find the items which can be influential to the result in the original test report for fully retest.

Therefore in this report all items do not need to retest and all test data in this report are based on the previous report with report number ZR/2021/8005304 issued on 2021-12-24.



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## Contents

1	Version .....	2
2	Test Summary .....	3
3	General Information .....	6
3.1	Details of Client .....	6
3.2	Test Location .....	6
3.3	Test Facility .....	6
3.4	General Description of EUT .....	7
3.5	Test Environment and Mode .....	9
3.6	Description of Support Units .....	9
4	Test results and Measurement Data .....	10
4.1	Antenna Requirement .....	10
4.2	AC Power Line Conducted Emissions .....	11
4.3	Duty Cycle .....	15
4.4	Conducted Output Power .....	16
4.5	DTS (6 dB) Bandwidth & 99% Occupied Bandwidth .....	17
4.6	Power Spectral Density .....	18
4.7	Band-edge for RF Conducted Emissions .....	19
4.8	RF Conducted Spurious Emissions .....	20
4.9	Radiated Spurious Emissions .....	21
4.10	Restricted bands around fundamental frequency .....	24
5	Measurement Uncertainty (95% confidence levels, k=2) .....	27
6	Equipment List .....	28
7	Photographs - EUT Constructional Details .....	30



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Report No.: XEWM2203000061RG04

Rev.: 01

Page: 6 of 133

### 3 General Information

#### 3.1 Details of Client

Applicant:	Great Talent Technology Limited
Address of Applicant:	35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China 518110
Manufacturer:	Great Talent Technology Limited
Address of Manufacturer:	35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China 518110

#### 3.2 Test Location

Company:	SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd
Address:	South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone
Post code:	215000
Test engineer:	Weller Liu, King-p Li, Nature Shen, Tizzy Song

#### 3.3 Test Facility

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

- **A2LA (Certificate No. 6336.01)**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6336.01.

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

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0120.

IC#: 27594.

- **FCC –Designation Number: CN1312**

SGS-CSTC STANDARDS TECHNICAL SERVICES (SUZHOU) CO., LTD. has been recognized as an accredited testing laboratory.

Designation Number: CN1312.

Test Firm Registration Number: 717327



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### 3.4 General Description of EUT

EUT Description:	feature phone
Model No.:	SC3218B
Trade Mark:	SCHOK
Hardware Version:	Q3203_V1.0
Software Version:	SC3218T_V1.0.0
IEEE 802.11 WLAN Mode Supported	<input checked="" type="checkbox"/> 802.11b (20 MHz channel bandwidth), <input checked="" type="checkbox"/> 802.11g (20 MHz channel bandwidth) <input checked="" type="checkbox"/> 802.11n (20 MHz channel bandwidth), <input checked="" type="checkbox"/> 802.11 n (40 MHz channel bandwidth)
Operation Frequency:	2400 MHz -2483.5MHz $f_c = 2407 \text{ MHz} + N * 5 \text{ MHz}$ , where: - $f_c$ = "Operating Frequency" in MHz, - $N$ = "Channel Number" with the range from 1 to 11 for the 20 MHz channel bandwidth, or 3 to 9 for the 40 MHz channel bandwidth.
Type of Modulation:	IEEE for 802.11b: DSSS IEEE for 802.11g: OFDM IEEE for 802.11n(HT20): OFDM IEEE for 802.11n(HT40): OFDM
Sample Type:	<input checked="" type="checkbox"/> Portable Device, <input type="checkbox"/> Module
Antenna Type:	<input type="checkbox"/> External, <input checked="" type="checkbox"/> Integrated
Smart System	<input checked="" type="checkbox"/> SISO (for 802.11b/g/n), <input type="checkbox"/> MIMO (for 802.11b/g/n): Tx & Rx, <input type="checkbox"/> Diversity (for 802.11b/g) : Tx & Rx
Antenna Gain*:	<input checked="" type="checkbox"/> Provided by client 3.01dBi
RF Cable*:	<input checked="" type="checkbox"/> Provided by client 1dB

Note: \*Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, SGS is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.

Remark:

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Operation Frequency of each channel (802.11b/g/n HT20)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		
Operation Frequency of each channel (802.11n HT40)							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
3	2422MHz	6	2437MHz	9	2452MHz		
4	2427MHz	7	2442MHz				
5	2432MHz	8	2447MHz				
Remark: In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:							
Channel		Frequency for 802.11 b/g/n (HT20)		Frequency for 802.11n (HT40)			
The Lowest channel		2412MHz		2422MHz			
The Middle channel		2437MHz		2437MHz			
The Highest channel		2462MHz		2452MHz			





### 3.5 Test Environment and Mode

Environment Parameter	101.0 kPa Selected Values During Tests	
Relative Humidity	44-46 % RH Ambient	
Value	Temperature(°C)	Voltage(V)
NTNV	22~23	3.8
LTNV	-20	3.8
HTNV	50	3.8
Remark: NV: Normal Voltage NT: Normal Temperature LT: Low Extreme Test Temperature HT: High Extreme Test Temperature		

### 3.6 Description of Support Units

The EUT has been tested independent unit.



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## 4 Test results and Measurement Data

### 4.1 Antenna Requirement

<b>Standard requirement:</b>	47 CFR Part 15C Section 15.203 /247(c)
<p>15.203 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.</p> <p>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.</p>	
The antenna is integrated and no consideration of replacement. The best case gain of the antenna is 3.01dBi.	



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### 4.2 AC Power Line Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207		
Test Method:	ANSI C63.10: 2013		
Test Frequency Range:	150kHz to 30MHz		
Limit:	Frequency range (MHz)	Limit (dBuV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	5-30	60	50
	* Decreases with the logarithm of the frequency.		
Test Procedure:	<p>1) The mains terminal disturbance voltage test was conducted in a shielded room.</p> <p>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.</p> <p>3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,</p> <p>4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.</p>		



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<p>Test Setup:</p>	
<p>Exploratory Test Mode:</p>	<p>Transmitting with all kind of modulations, data rates at lowest, middle and highest channel. Charge + Transmitting mode.</p>
<p>Final Test Mode:</p>	<p>Through Pre-scan, find the 1Mbps of rate of 802.11B at lowest channel is the worst case. Charge + Transmitting mode. Only the worst case is recorded in the report.</p>
<p>Instruments Used:</p>	<p>Refer to section 6 for details</p>
<p>Test Results:</p>	<p>Pass</p>



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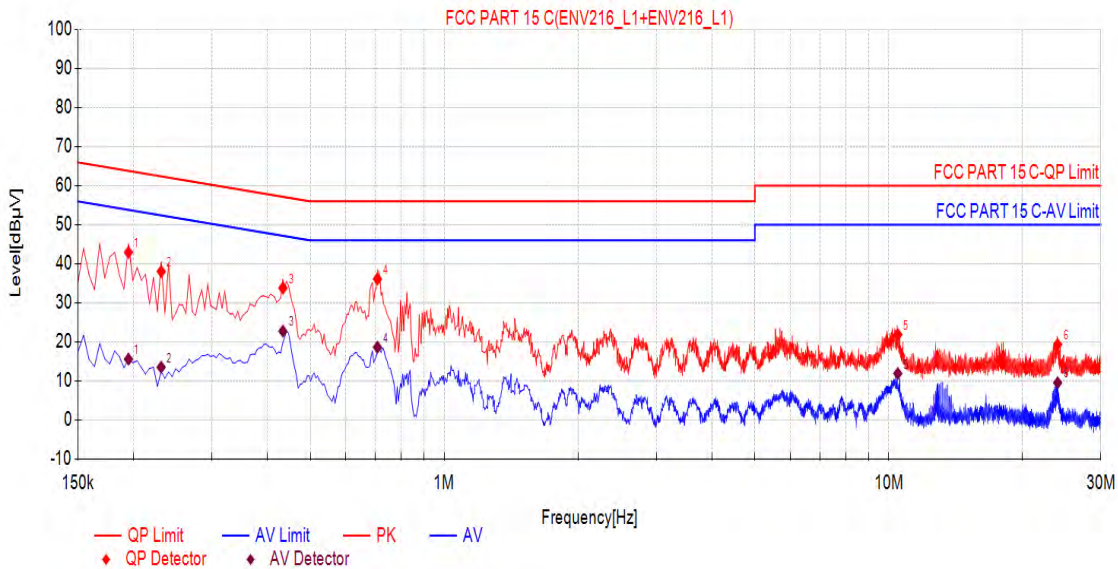
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Measurement Data

An initial pre-scan was performed on the live and neutral lines with peak detector. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live Line:



Final Data List											
NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBµV]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.195	9.80	33.12	42.92	63.82	20.90	5.77	15.57	53.82	38.25	PASS
2	0.2310	9.81	28.22	38.03	62.41	24.38	3.68	13.49	52.41	38.92	PASS
3	0.434	9.55	24.25	33.80	57.18	23.38	13.17	22.72	47.18	24.46	PASS
4	0.7080	9.57	26.55	36.12	56.00	19.88	9.03	18.60	46.00	27.40	PASS
5	10.482	9.63	12.22	21.85	60.00	38.15	2.24	11.87	50.00	38.13	PASS
6	23.987	9.31	10.01	19.32	60.00	40.68	0.2	9.51	50.00	40.49	PASS

Remark:

1. The following Quasi-Peak and Average measurements were performed on the EUT:
2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.



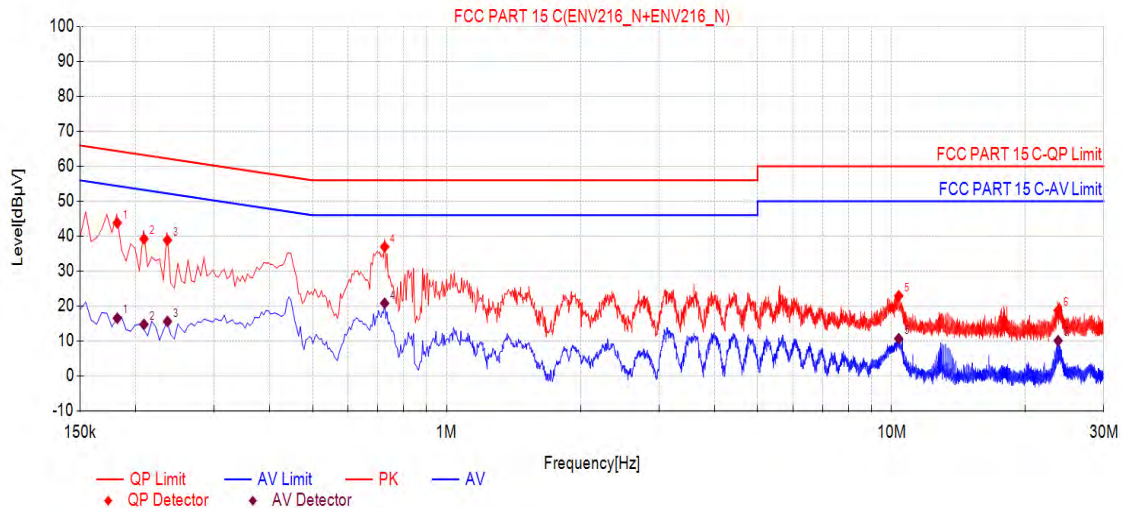
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Neutral Line:



Final Data List											
NO.	Frequency [MHz]	Factor [dB]	QP Reading [dBµV]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Reading [dBµV]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict
1	0.182	9.69	34.12	43.81	64.39	20.58	6.81	16.50	54.39	37.89	PASS
2	0.209	9.68	29.55	39.23	63.24	24.01	5.07	14.75	53.24	38.49	PASS
3	0.236	9.72	29.15	38.87	62.24	23.37	5.86	15.58	52.24	36.66	PASS
4	0.7260	9.81	27.13	36.94	56.00	19.06	10.98	20.79	46.00	25.21	PASS
5	10.383	9.67	13.25	22.92	60.00	37.08	0.97	10.64	50.00	39.36	PASS
6	23.685	9.50	9.23	18.73	60.00	41.27	0.55	10.05	50.00	39.95	PASS

Remark:

- The following Quasi-Peak and Average measurements were performed on the EUT:
- Final Test Level = Receiver Reading + LISN Factor + Cable Loss.



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Report No.: XEWM2203000061RG04

Rev.: 01

Page: 15 of 133

### 4.3 Duty Cycle

The detailed test data see: **Appendix**



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### 4.4 Conducted Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)
Test Method:	ANSI C63.10 :2013 Section 11.9.1.3
Test Setup:	
Test Instruments:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).
Limit:	30dBm
Test Results:	Pass
The detailed test data see: <b>Appendix</b>	



### 4.5 DTS (6 dB) Bandwidth & 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	ANSI C63.10: 2013 Section 11.8.1 Option 1
Test Setup:	
Instruments Used:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g ; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).
Limit:	≥ 500 kHz
Test Results:	Pass
The detailed test data see: <b>Appendix</b>	





### 4.6 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)
Test Method:	ANSI C63.10 :2013 Section 11.10.2
Test Setup:	
Test Instruments:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g ; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).
Limit:	≤8.00dBm/3kHz
Test Results:	Pass
The detailed test data see: <b>Appendix</b>	





### 4.7 Band-edge for RF Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013 Section 11.13
Test Setup:	
Instruments Used:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g ; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.
Test Results:	Pass
The detailed test data see: <b>Appendix</b>	



### 4.8 RF Conducted Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	ANSI C63.10: 2013 Section 11.11
Test Setup:	
Instruments Used:	Refer to section 6 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g ; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.
Test Results:	Pass
The detailed test data see: <b>Appendix</b>	



### 4.9 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205				
Test Method:	ANSI C63.10 :2013 Section 11.12				
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark
	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak
	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak	
	Peak	1MHz	3MHz	Peak	
Limit:	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30
	1.705MHz-30MHz	30	-	-	30
	30MHz-88MHz	100	40.0	Quasi-peak	3
	88MHz-216MHz	150	43.5	Quasi-peak	3
	216MHz-960MHz	200	46.0	Quasi-peak	3
	960MHz-1GHz	500	54.0	Quasi-peak	3
	Above 1GHz	500	54.0	Average	3
Remark: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.					



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Test Setup:

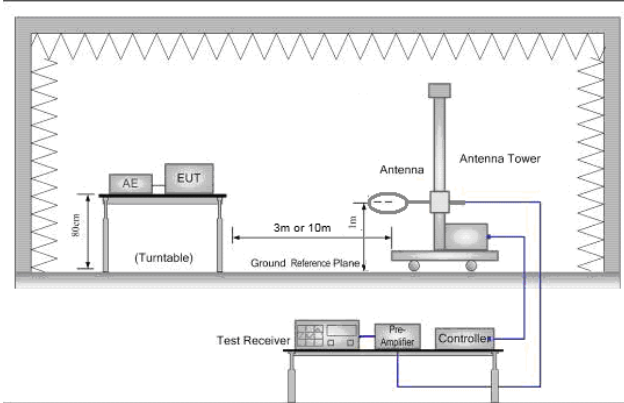


Figure 1. Below 30MHz

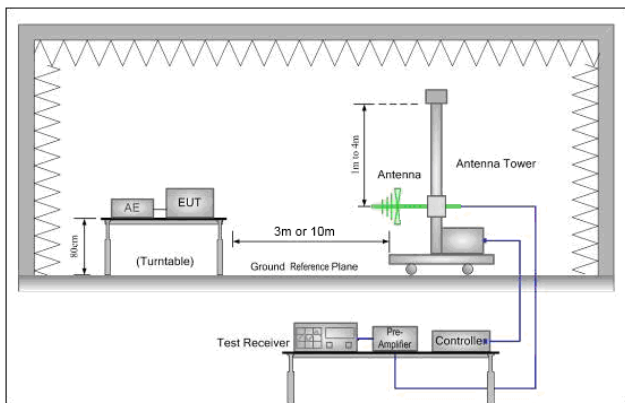


Figure 2. 30MHz to 1GHz

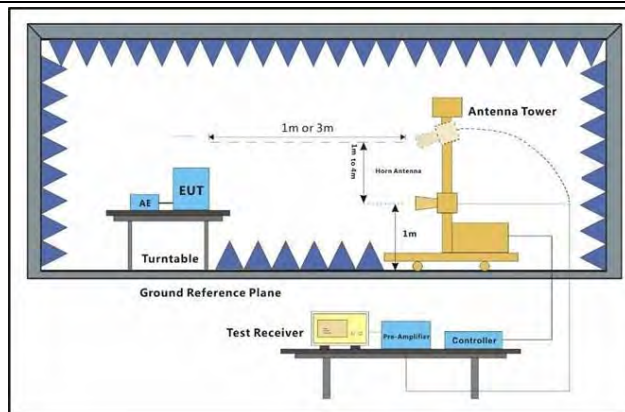


Figure 3. Above 1 GHz

Test Procedure:

- 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 semi-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



	<p>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.</p> <p>h. Test the EUT in the lowest channel, the middle channel ,the Highest channel.</p> <p>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.</p> <p>j. Repeat above procedures until all frequencies measured was complete.</p> <p>k. The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported</p> <p>l. The disturbance above 18GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.</p>
<p>Test Configuration:</p>	<p>Measurements Below 1000MHz</p> <ul style="list-style-type: none"> <li>• RBW = 120 kHz</li> <li>• VBW = 300 kHz</li> <li>• Detector = Peak</li> <li>• Trace mode = max hold</li> </ul> <p>Peak Measurements Above 1000 MHz</p> <ul style="list-style-type: none"> <li>• RBW = 1 MHz</li> <li>• VBW ≥ 3 MHz</li> <li>• Detector = Peak</li> <li>• Sweep time = auto</li> <li>• Trace mode = max hold</li> </ul> <p>Average Measurements Above 1000MHz</p> <ul style="list-style-type: none"> <li>• RBW = 1 MHz</li> <li>• VBW ≥ [3 *RBW]</li> <li>• Detector = RMS (power averaging), if span / (# of points in sweep) ≤ (RBW / 2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.</li> <li>• Sweep time = auto</li> <li>• Perform a trace average of at least 100 traces.</li> </ul>
<p>Exploratory Test Mode:</p>	<p>Transmitting with all kind of modulations, data rates. Charge + Transmitting mode.</p>
<p>Final Test Mode:</p>	<p>Pretest the EUT at Charge + Transmitting mode. Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40); For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11b at lowest channel is the worst case. Only the worst case is recorded in the report.</p>
<p>Instruments Used:</p>	<p>Refer to section 6 for details</p>
<p>Test Results:</p>	<p>Pass</p>
<p>The detailed test data see: <b>Appendix</b></p>	



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### 4.10 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205		
Test Method:	ANSI C63.10: 2013 Section 11.12		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m)	Remark
	30MHz-88MHz	40.0	Quasi-peak
	88MHz-216MHz	43.5	Quasi-peak
	216MHz-960MHz	46.0	Quasi-peak
	960MHz-1GHz	54.0	Quasi-peak
	Above 1GHz	54.0	Average Value
		74.0	Peak Value

Test Setup:

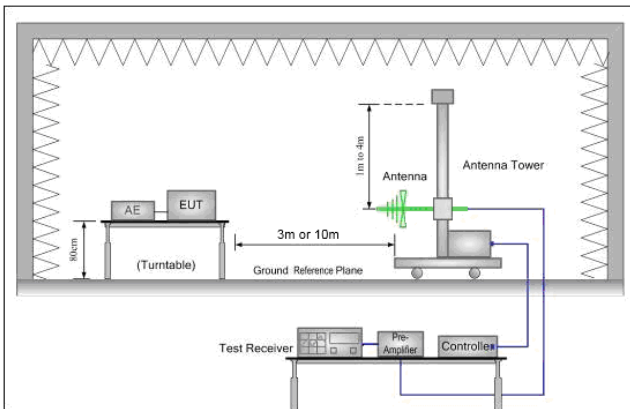


Figure 1. 30MHz to 1GHz

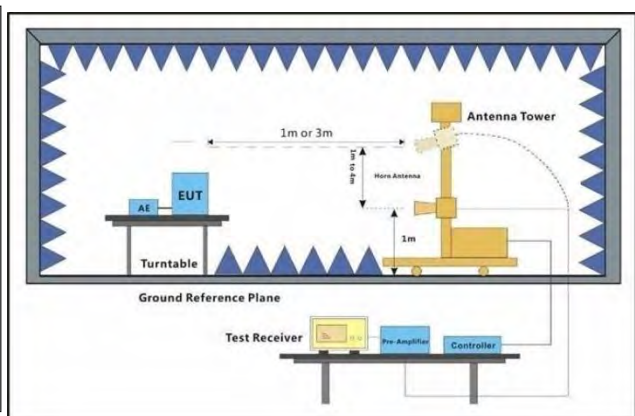


Figure 2. Above 1 GHz



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<p>Test Procedure:</p>	<ol style="list-style-type: none"> <li>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.</li> <li>For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>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.</li> <li>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.</li> <li>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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li> <li>Test the EUT in the lowest channel , the Highest channel</li> <li>The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.</li> <li>Repeat above procedures until all frequencies measured was complete.</li> </ol>
<p>Test Configuration:</p>	<p>Measurements Below 1000MHz</p> <ul style="list-style-type: none"> <li>• RBW = 120 kHz</li> <li>• VBW = 300 kHz</li> <li>• Detector = Peak</li> <li>• Trace mode = max hold</li> </ul> <p>Peak Measurements Above 1000 MHz</p> <ul style="list-style-type: none"> <li>• RBW = 1 MHz</li> <li>• VBW ≥ 3 MHz</li> <li>• Detector = Peak</li> <li>• Sweep time = auto</li> <li>• Trace mode = max hold</li> </ul> <p>Average Measurements Above 1000MHz</p> <ul style="list-style-type: none"> <li>• RBW = 1 MHz</li> <li>• VBW ≥ [3 *RBW]</li> <li>• Detector = RMS (power averaging), if span / (# of points in sweep) ≤ (RBW / 2). Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.</li> <li>• Sweep time = auto</li> <li>• Perform a trace average of at least 100 traces.</li> </ul>
<p>Exploratory Test Mode:</p>	<p>Transmitting with all kind of modulations, data rates. Charge + Transmitting mode.</p>



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Report No.: XEWM2203000061RG04

Rev.: 01

Page: 26 of 133

Final Test Mode:	Pretest the EUT at Charge + Transmitting mode. Through Pre-scan, find the 1Mbps of rate is the worst case of 802.11b; 6Mbps of rate is the worst case of 802.11g; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40); Only the worst case is recorded in the report.
Instruments Used:	Refer to section 6 for details
Test Results:	Pass
The detailed test data see: <b>Appendix</b>	



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## 5 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	±0.54dB
2	RF power density, conducted	±1.03dB
3	Spurious emissions, conducted	±0.54dB
4	Radio Frequency	±7.25x 10 <sup>-8</sup>
5	Duty Cycle	±0.37%
6	Occupied Bandwidth	±7.25x 10 <sup>-8</sup>
7	Conduction Emission	± 2.90dB (150kHz to 30MHz)
8	Radiated Emission	± 3.13dB (9k -30MHz)
		± 4.8dB (30M -1GHz)
		± 4.8dB (1GHz to 18GHz)
		± 4.8dB (Above 18GHz)



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## 6 Equipment List

CE Test Equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	Brilliant-emc	N/A	SUWI-04-03-01	2021/5/8	2024/5/7
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-01	2021/2/20	2022/2/19
Artificial network	ROHDE&SCHWARZ	ENV216	SUWI-01-19-02	2021/2/20	2022/2/19
Measurement Software	Tonscend	JS32-CE V3.0.0.1	SUWI-02-09-05	NCR	NCR
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-06	2021/2/20	2022/2/19



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Wireless Laboratory

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RSE Test Equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Semi-Anechoic Chamber	Brilliant-emc	N/A	SUWI-04-02-01	2021/5/8	2024/5/7
Temperature and humidity meter	MingGao	TH101B	SUWI-01-01-05	2021/2/20	2022/2/19
Signal Analyzer	ROHDE&SCHWARZ	FSW43	SUWI-01-02-04	2021/5/28	2022/5/27
Test receiver	ROHDE&SCHWARZ	ESR7	SUWI-01-10-01	2021/2/20	2022/2/19
DC Power Supply	HYELEC	HY3005B	SUWI-01-18-01	2021/2/20	2022/2/19
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	VULB 9163	SUWI-01-11-01	2021/5/16	2022/5/15
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9120D	SUWI-01-11-02	2021/5/16	2022/5/15
Receiving antenna	SCHWRZBECK MESS-ELEKTRONIK	BBHA 9170	SUWI-01-11-03	2021/5/14	2022/5/13
Amplifier	Tonscend	TAP9K3G40	SUWI-01-14-01	2021/2/20	2022/2/19
Amplifier	Tonscend	TAP01018050	SUWI-01-14-02	2021/2/20	2022/2/19
Amplifier	Tonscend	TAP18040048	SUWI-01-14-03	2021/2/20	2022/2/19
Active Loop Antenna	SCHWRZBECK MESS-ELEKTRONIK	FMZB 1519B	SUWI-01-21-01	2021/6/10	2022/6/9
Measurement Software	Tonscend	JS32-RE V3.0.0.3	SUWI-02-09-04	NCR	NCR
Radio Communication Analyzer	ROHDE&SCHWARZ	CMW500	SUWI-01-27-01	2021/9/28	2022/9/27



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Rev.: 01

Page: 30 of 133

## 7 Photographs - EUT Constructional Details

Refer to Appendix A.2 WLAN Setup Photos.



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Rev.: 01

Page: 31 of 133

# Appendix



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Rev.: 01

Page: 32 of 133

**DTS Bandwidth  
Test Result**

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.070	2407.980	2416.050	0.5	PASS
		2437	8.580	2432.950	2441.530	0.5	PASS
		2462	9.090	2456.960	2466.050	0.5	PASS
11G	Ant1	2412	16.380	2403.810	2420.190	0.5	PASS
		2437	16.410	2428.780	2445.190	0.5	PASS
		2462	16.380	2453.780	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.580	2403.210	2420.790	0.5	PASS
		2437	17.640	2428.180	2445.820	0.5	PASS
		2462	17.250	2453.180	2470.430	0.5	PASS
11N40SISO	Ant1	2422	35.280	2404.360	2439.640	0.5	PASS
		2437	35.280	2419.360	2454.640	0.5	PASS
		2452	35.220	2434.420	2469.640	0.5	PASS



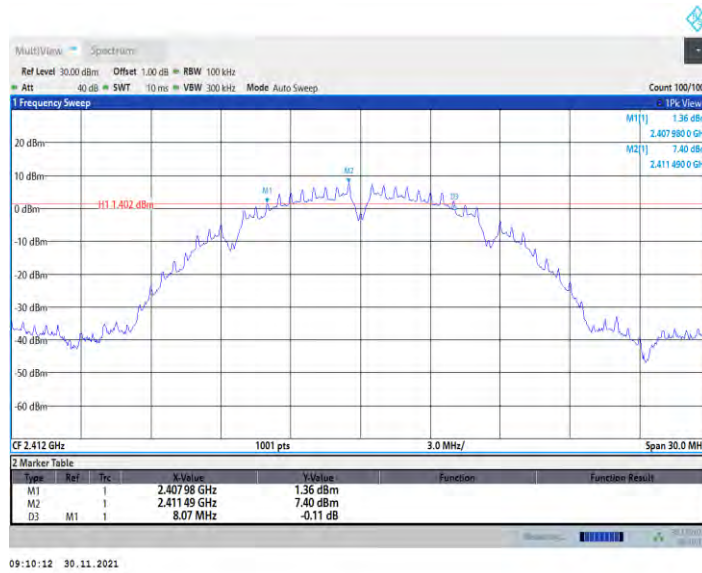
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Test Graphs

11B Ant1 2412



11B Ant1 2437



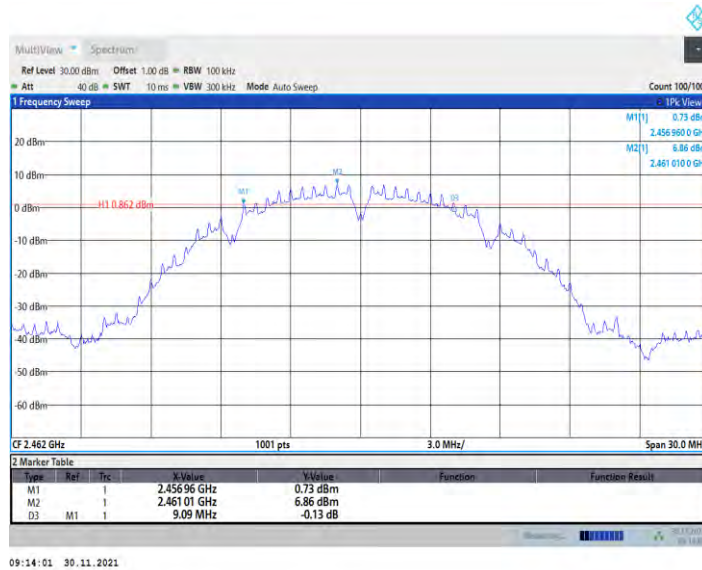
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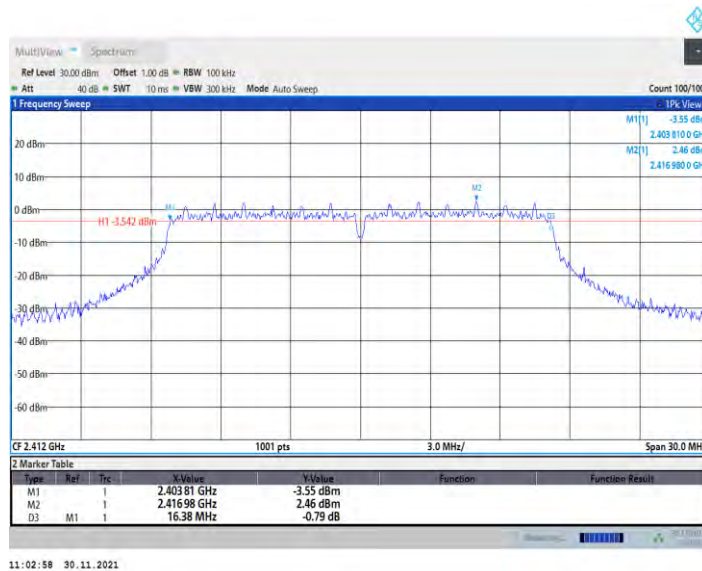
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11B\_Ant1\_2462



11G\_Ant1\_2412



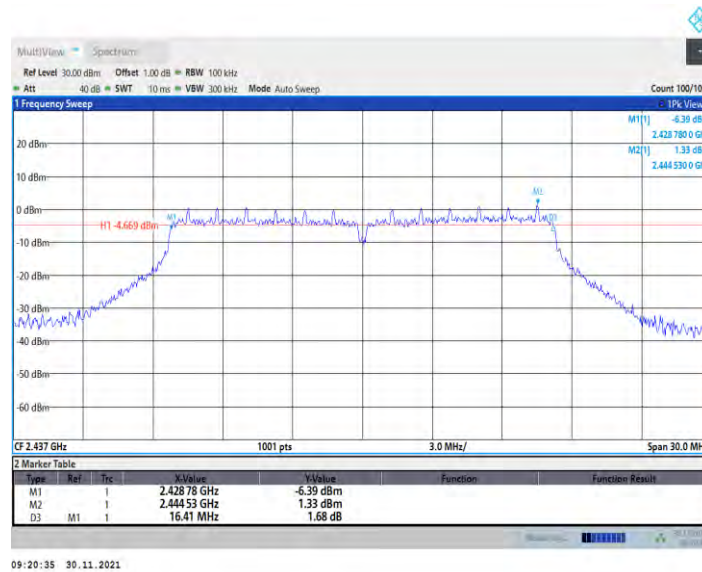
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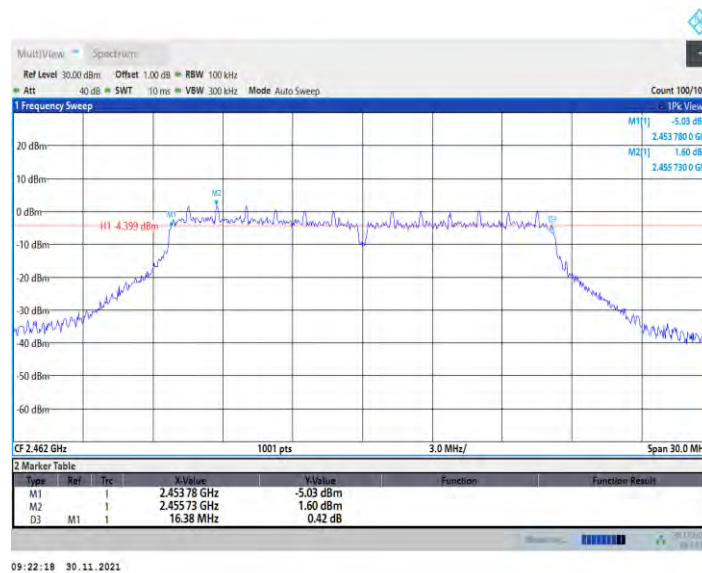
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11G\_Ant1\_2437



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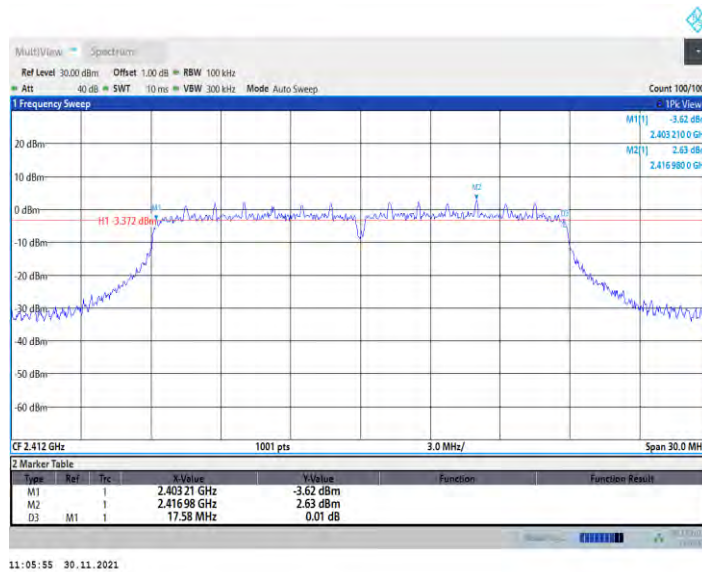
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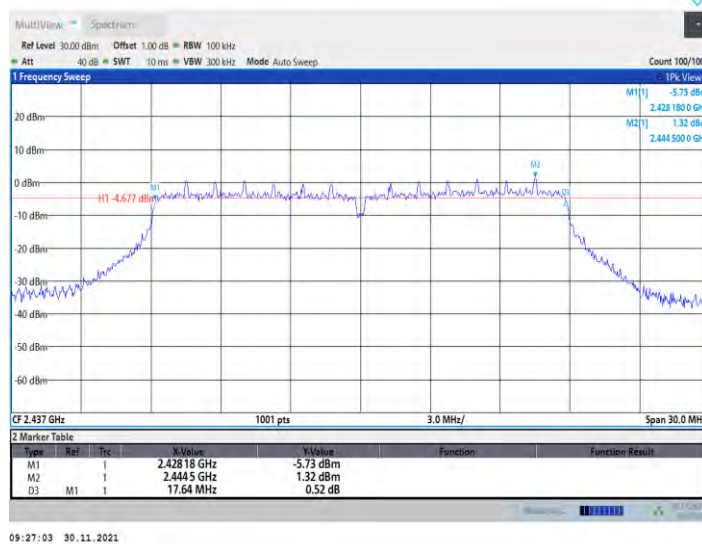
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11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437



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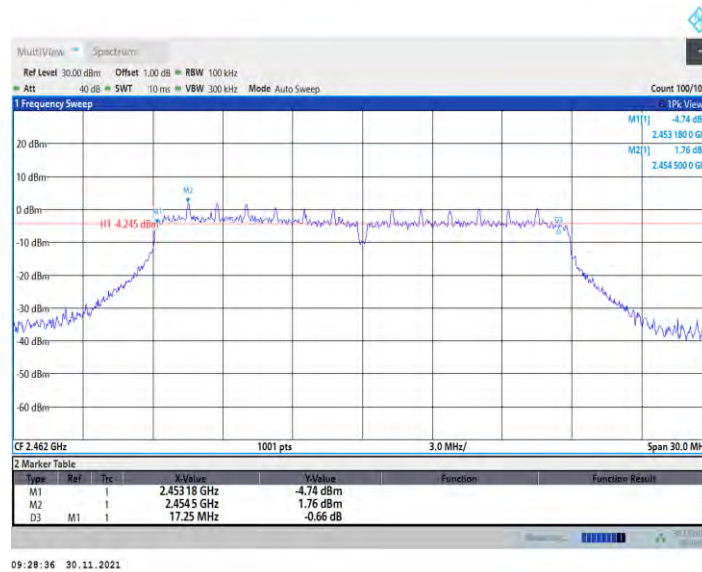
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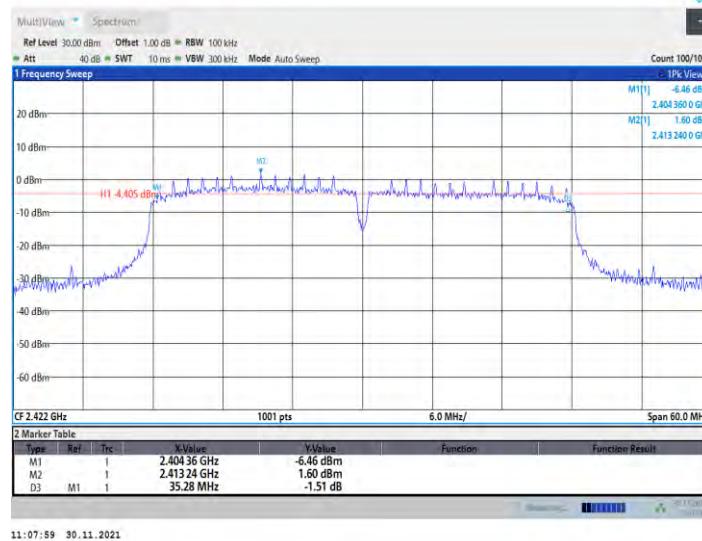
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11N40SISO\_Ant1\_2422



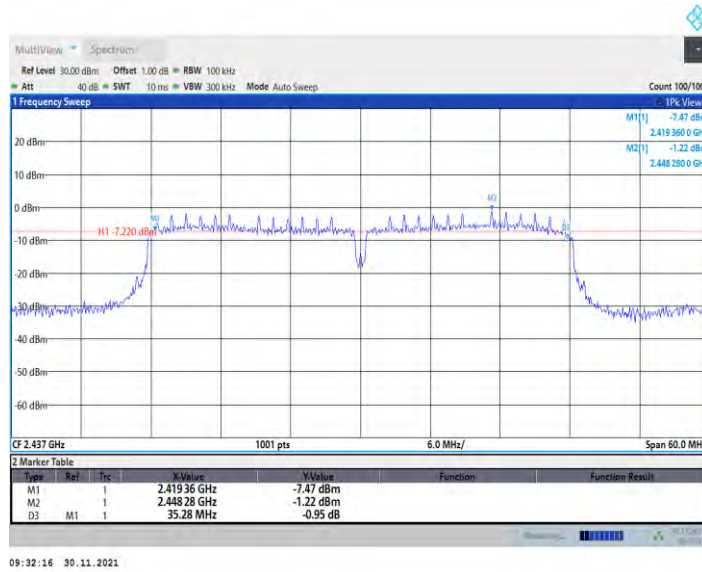
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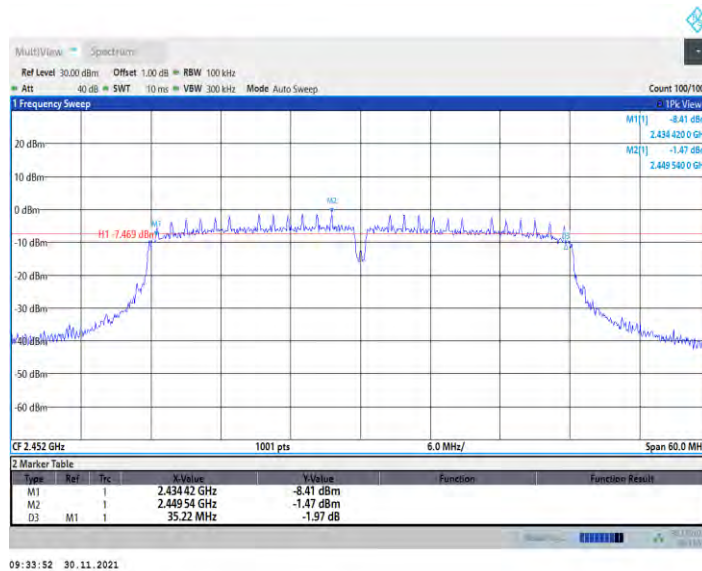
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11N40SISO\_Ant1\_2437



11N40SISO\_Ant1\_2452



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Report No.: XEWM2203000061RG04

Rev.: 01

Page: 39 of 133

## Occupied Channel Bandwidth Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.155	2405.466	2418.622	---	PASS
		2437	13.404	2430.389	2443.793	---	PASS
		2462	13.383	2455.183	2468.566	---	PASS
11G	Ant1	2412	17.094	2403.472	2420.566	---	PASS
		2437	17.412	2428.311	2445.724	---	PASS
		2462	17.375	2453.148	2470.523	---	PASS
11N20SISO	Ant1	2412	18.052	2402.984	2421.036	---	PASS
		2437	18.3	2427.887	2446.187	---	PASS
		2462	18.249	2452.769	2471.018	---	PASS
11N40SISO	Ant1	2422	36.907	2403.501	2440.408	---	PASS
		2437	37.251	2418.264	2455.515	---	PASS
		2452	36.74	2433.601	2470.341	---	PASS



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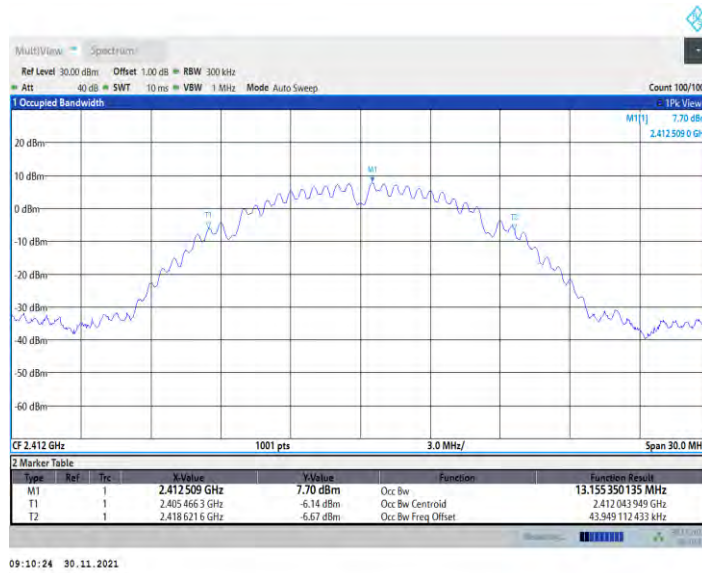
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Test Graphs

11B Ant1 2412



11B Ant1 2437



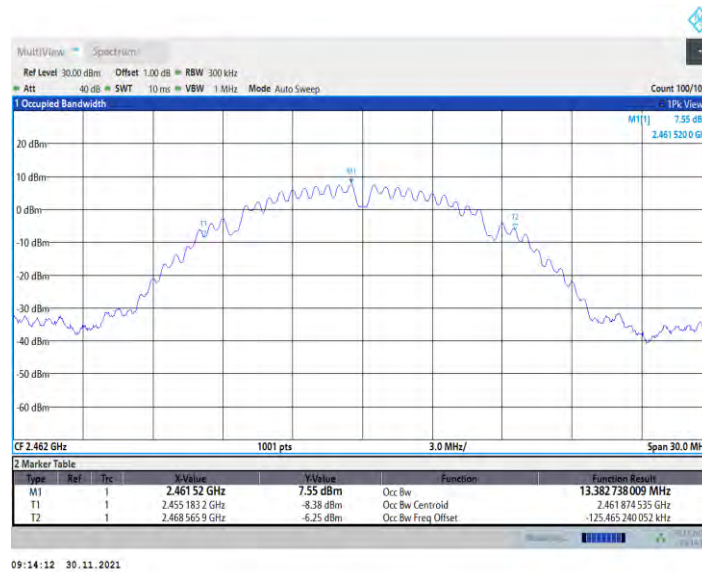
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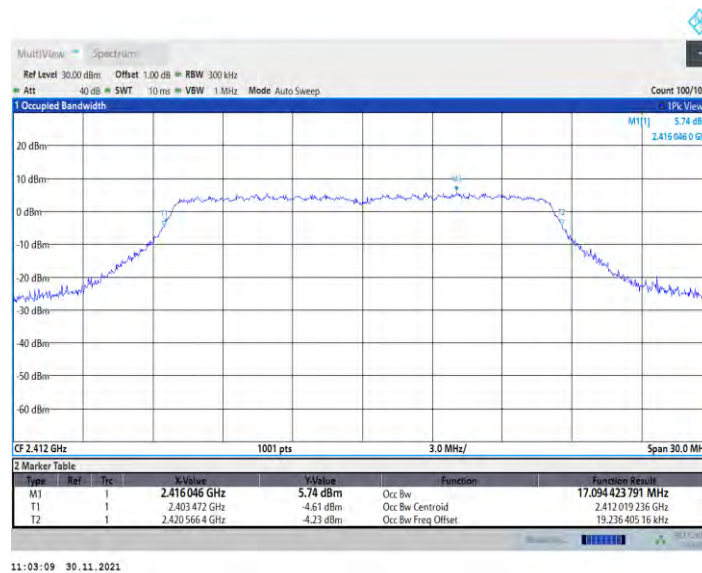
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11B Ant1 2462



11G Ant1 2412

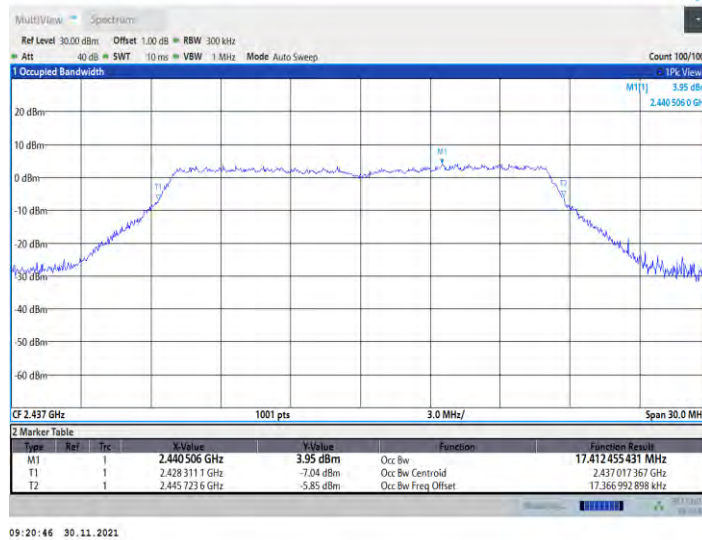


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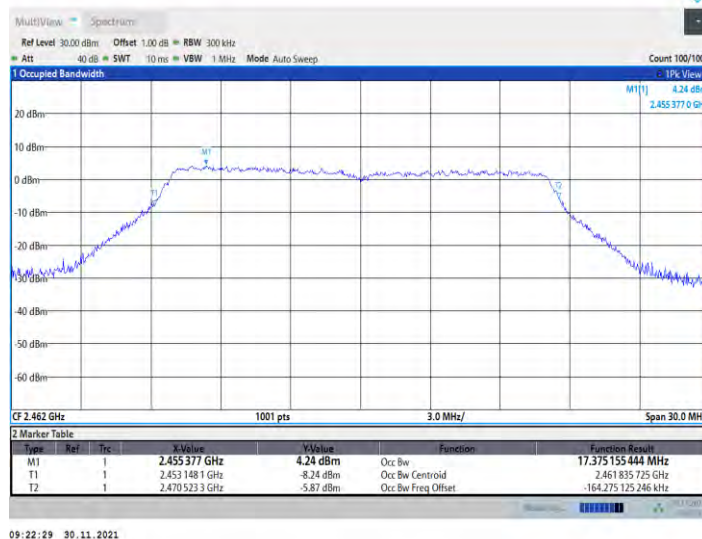
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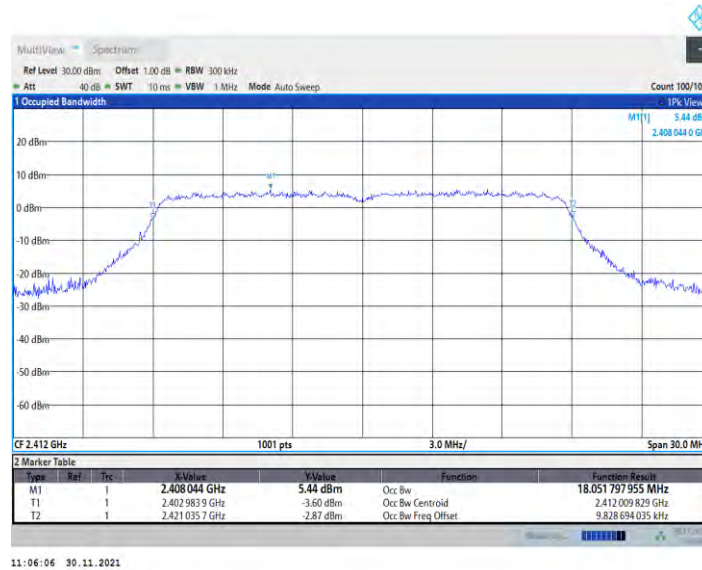
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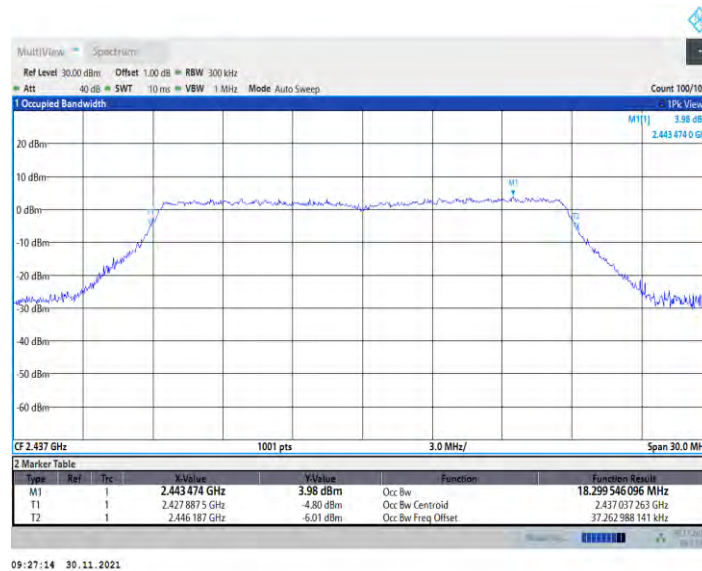
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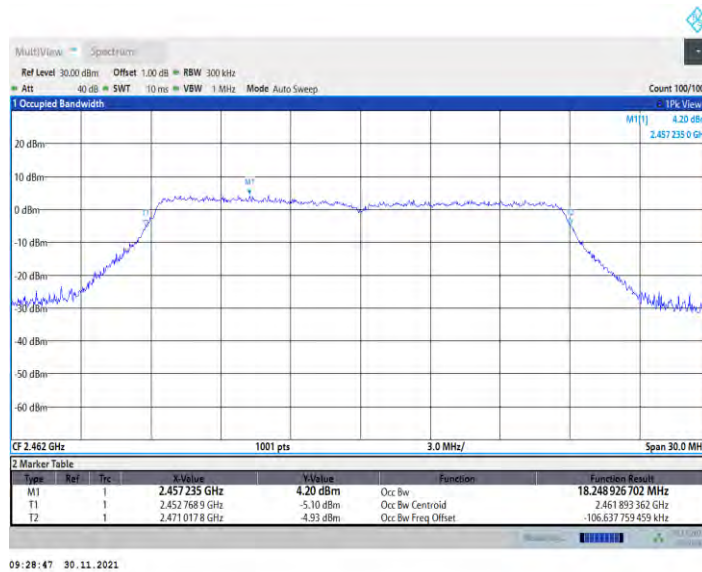
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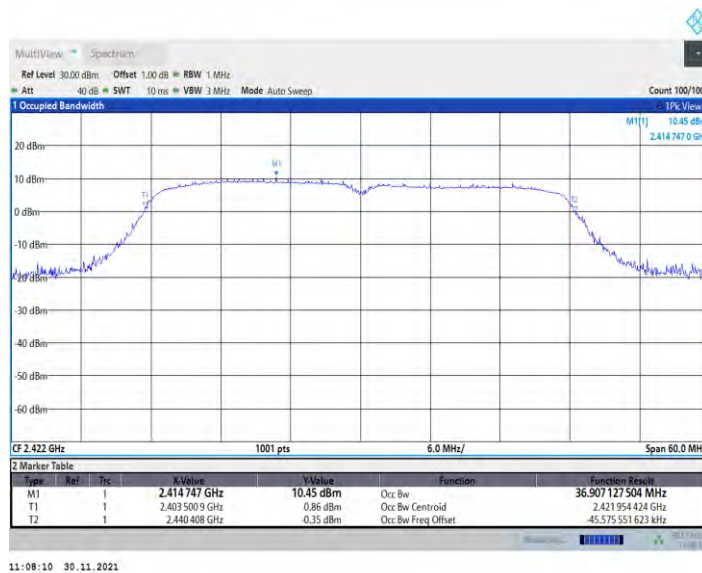
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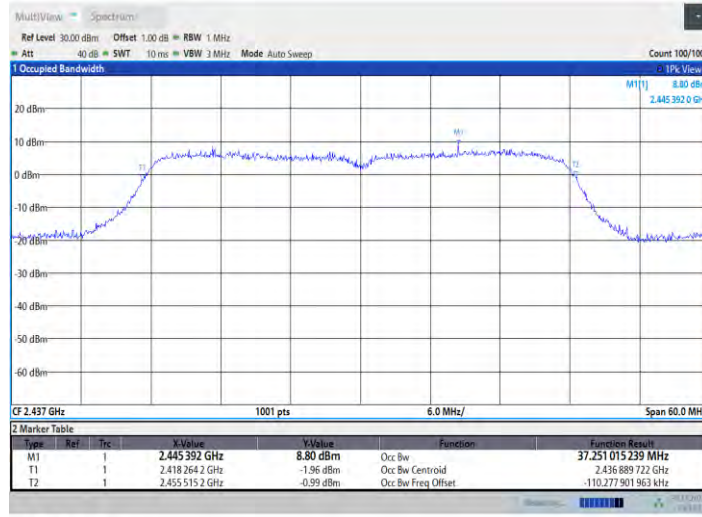
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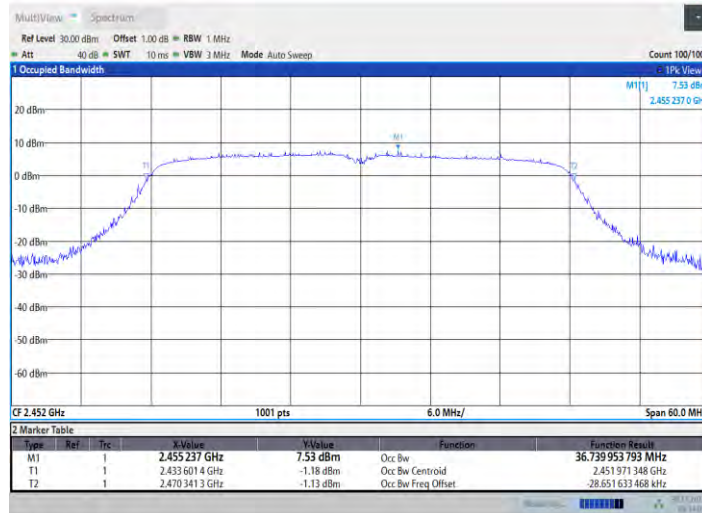


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**Maximum conducted output power  
Test Result**

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	18.13	<=30	PASS
		2437	17.02	<=30	PASS
		2462	18.27	<=30	PASS
11G	Ant1	2412	21.65	<=30	PASS
		2437	20.04	<=30	PASS
		2462	19.93	<=30	PASS
11N20SISO	Ant1	2412	21.66	<=30	PASS
		2437	20.19	<=30	PASS
		2462	20.04	<=30	PASS
11N40SISO	Ant1	2422	22.77	<=30	PASS
		2437	20.08	<=30	PASS
		2452	20.30	<=30	PASS



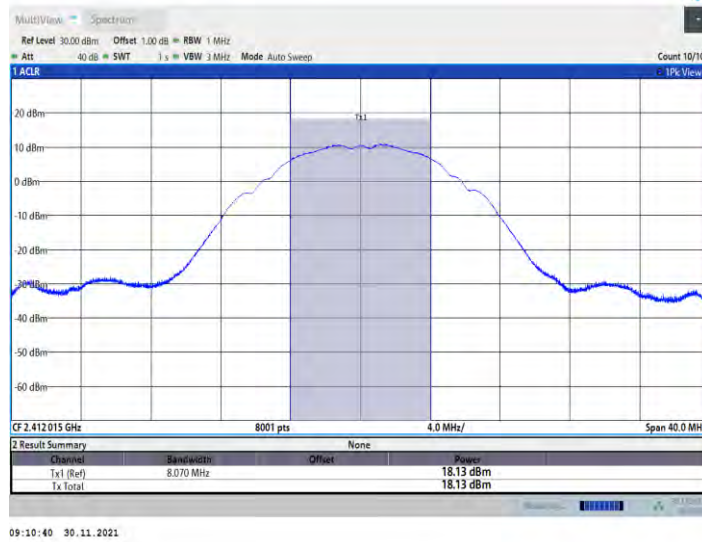
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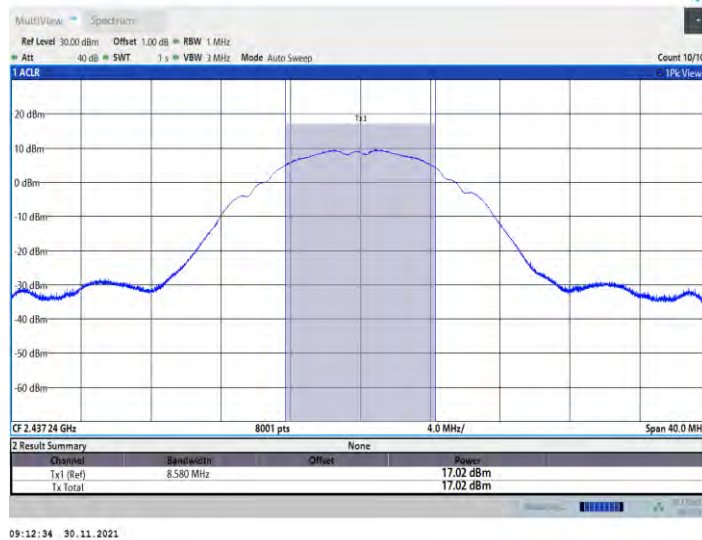
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Test Graphs

11B Ant1 2412



11B Ant1 2437



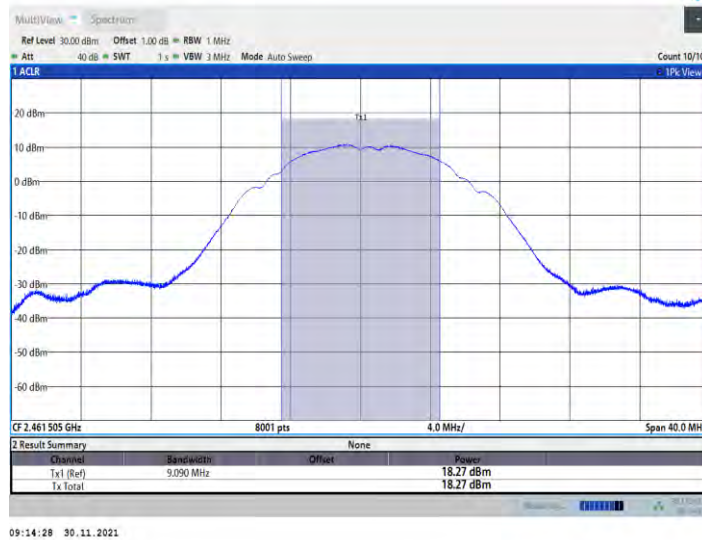
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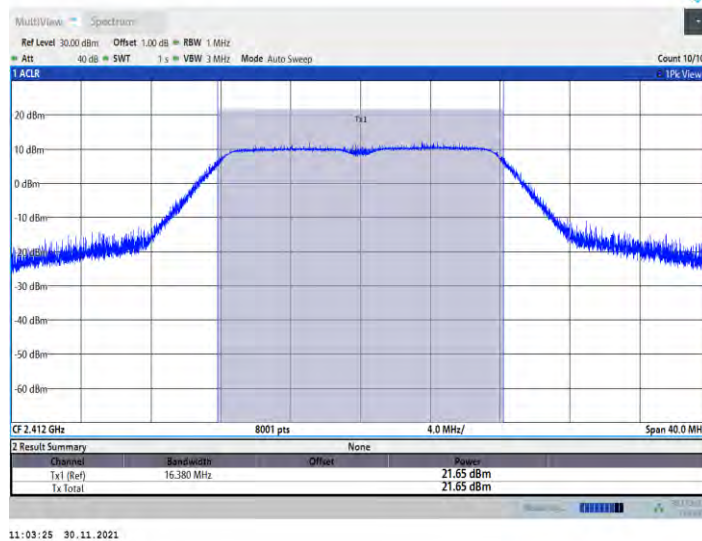
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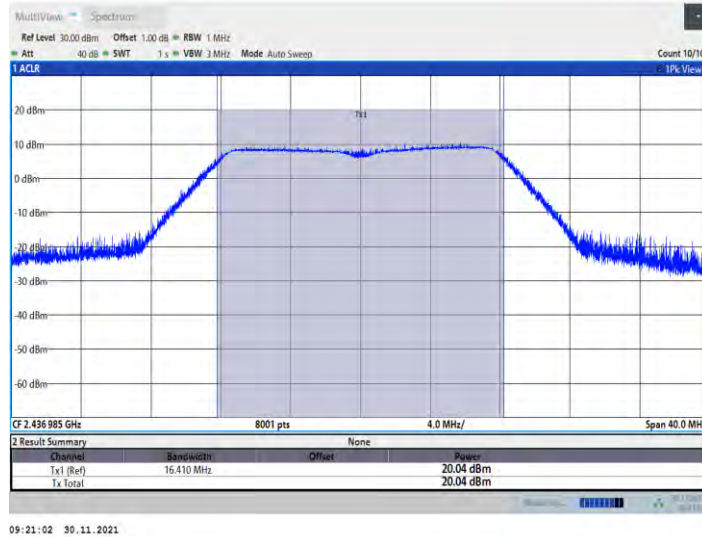
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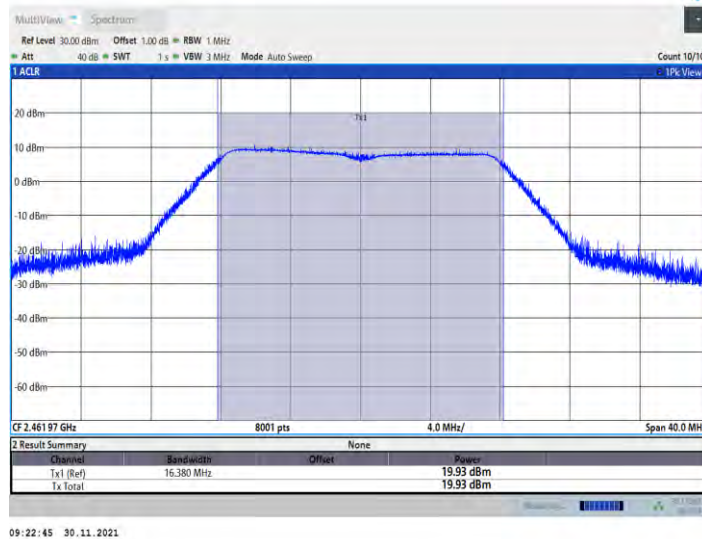
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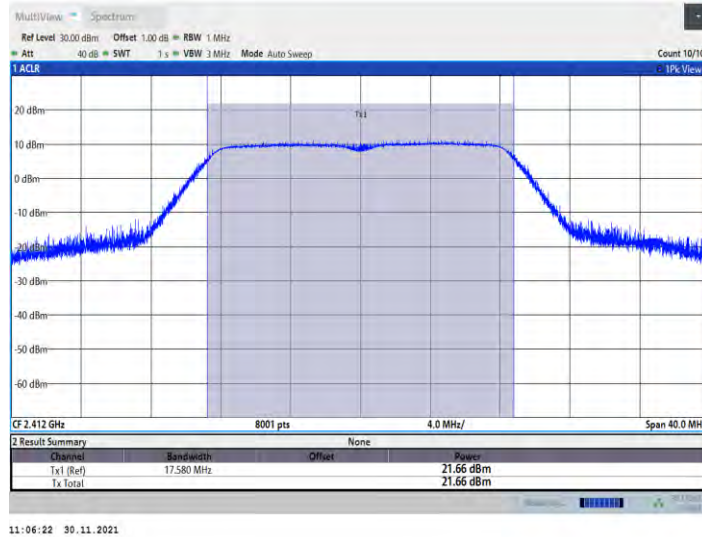


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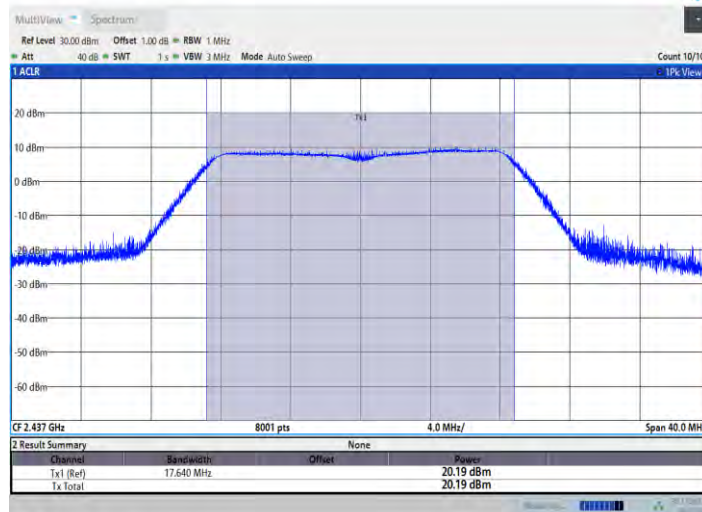
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11:06:22 30.11.2021

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09:27:30 30.11.2021

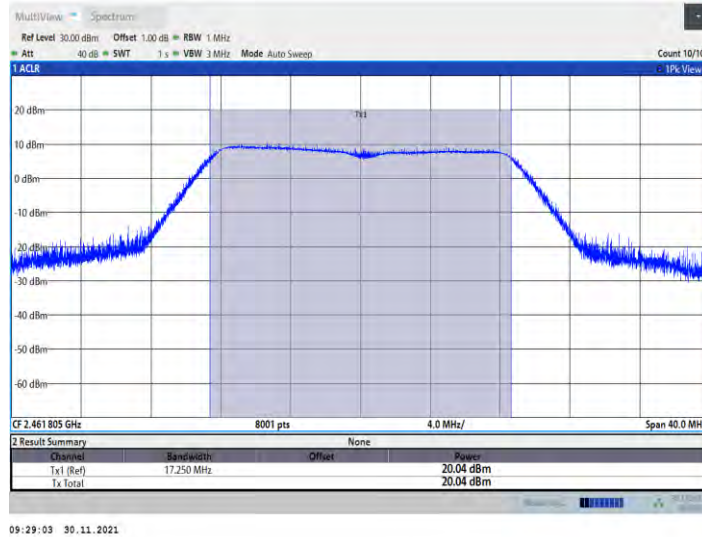


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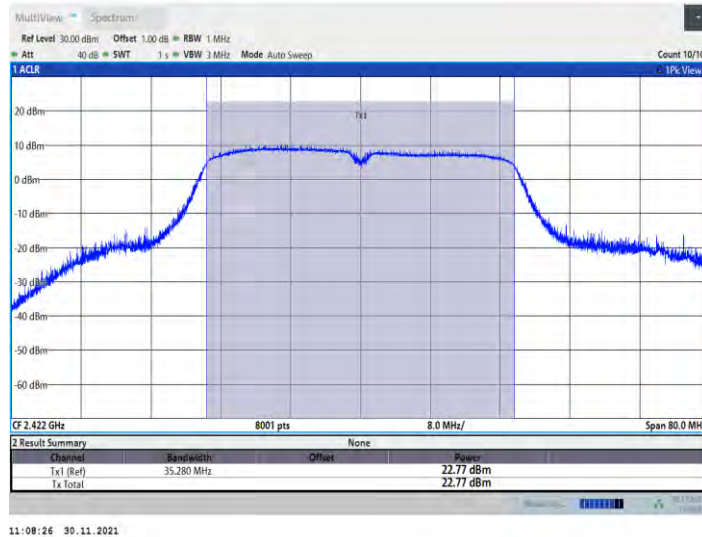
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11N40SISO\_Ant1\_2422



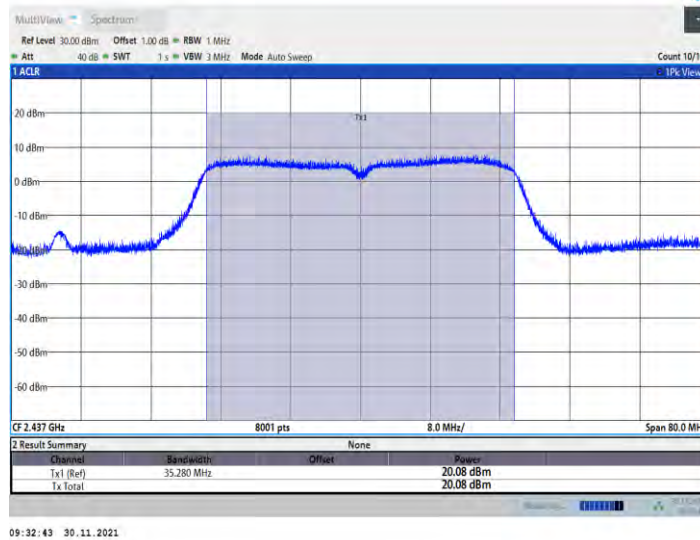
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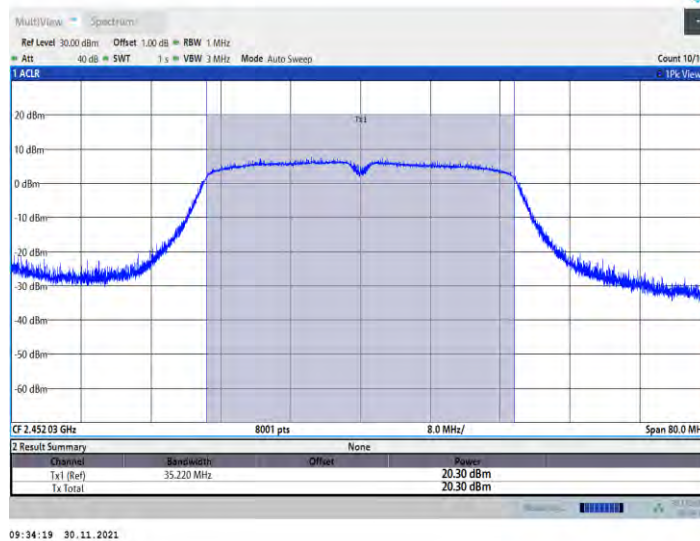
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**Maximum power spectral density  
Test Result**

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.85	<=8	PASS
		2437	-7.4	<=8	PASS
		2462	-5.64	<=8	PASS
11G	Ant1	2412	-10.69	<=8	PASS
		2437	-11.96	<=8	PASS
		2462	-12.09	<=8	PASS
11N20SISO	Ant1	2412	-11.1	<=8	PASS
		2437	-10.51	<=8	PASS
		2462	-11.24	<=8	PASS
11N40SISO	Ant1	2422	-12.44	<=8	PASS
		2437	-15.46	<=8	PASS
		2452	-15.55	<=8	PASS



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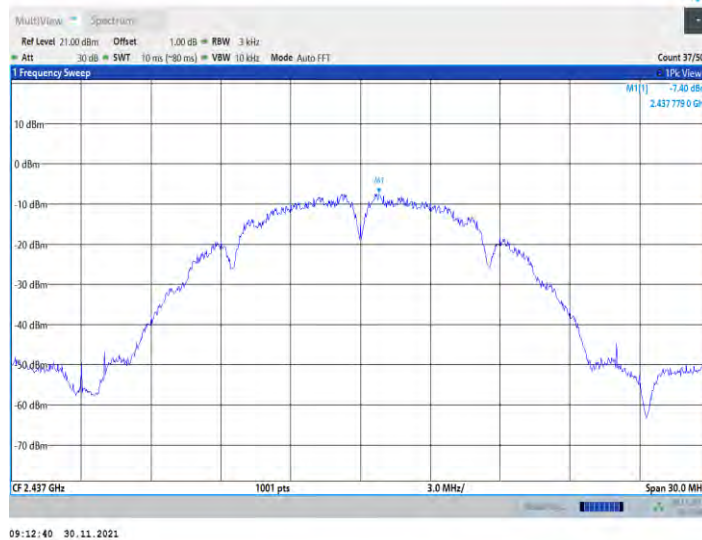
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Test Graphs

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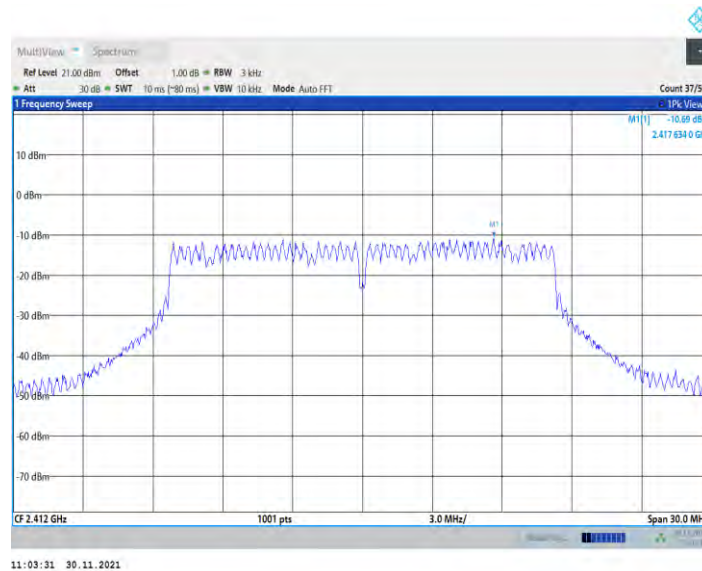
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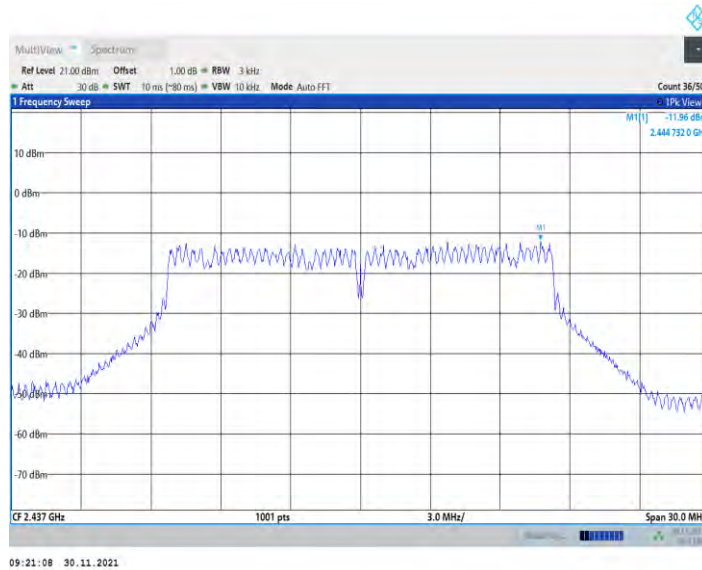


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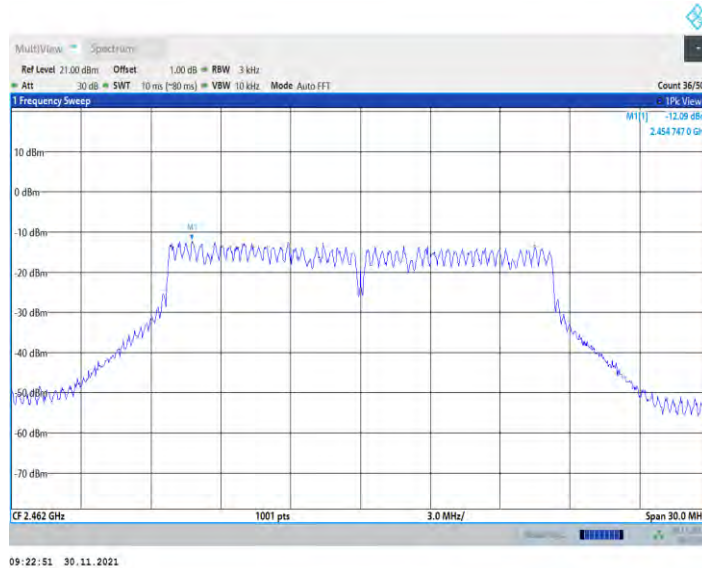


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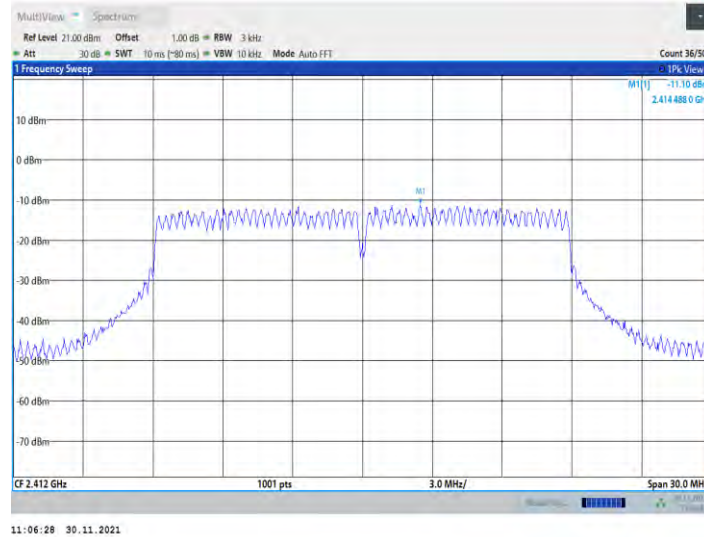
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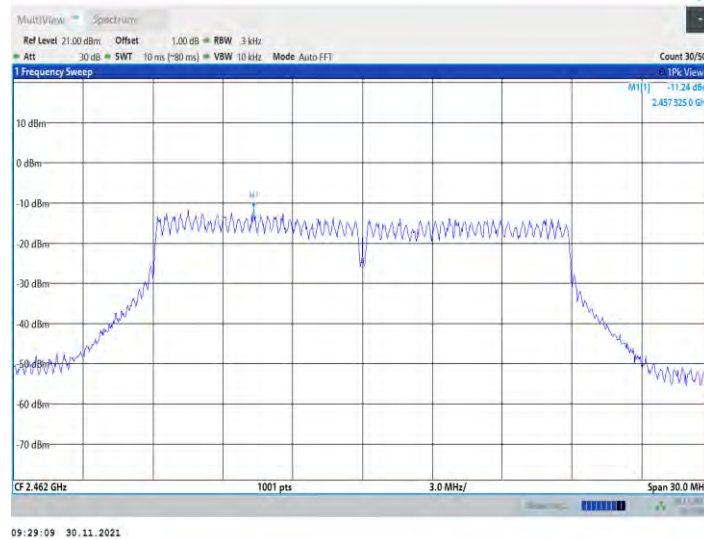
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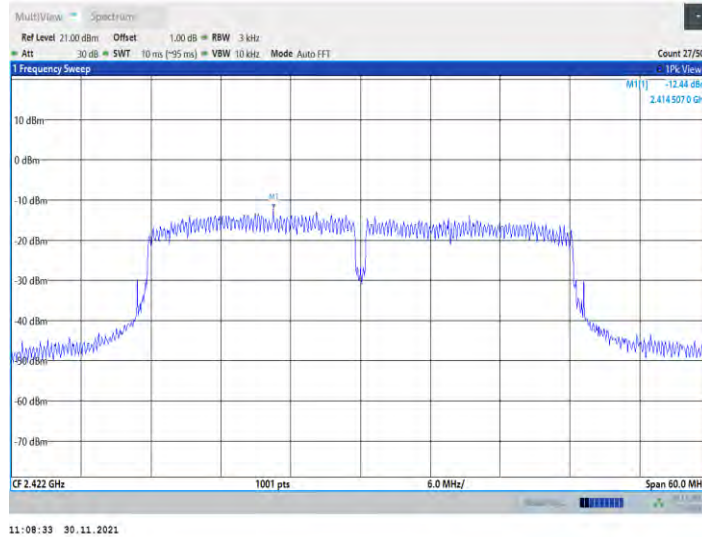


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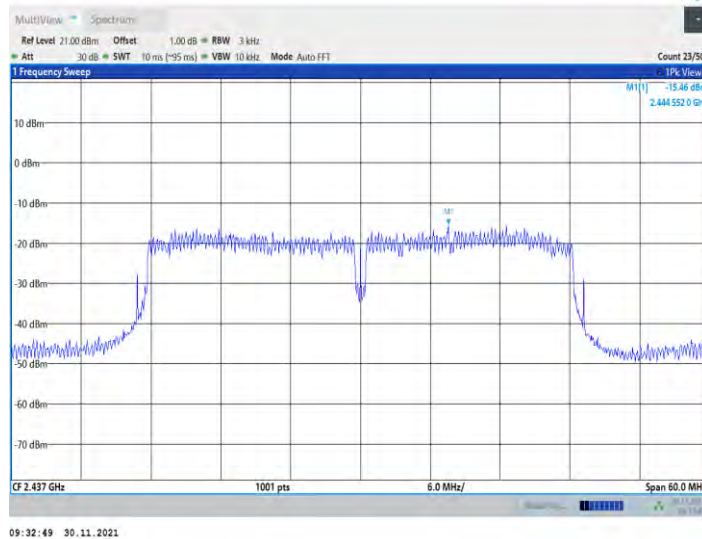


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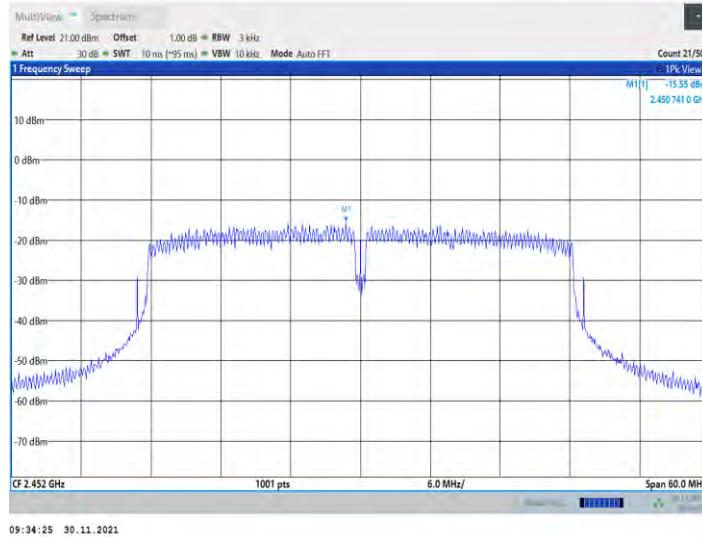


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11N40SISO\_Ant1\_2452



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Report No.: XEWM2203000061RG04

Rev.: 01

Page: 60 of 133

## Band edge measurements Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.31	-31.55	<=-12.69	PASS
		High	2462	6.70	-54.86	<=-13.3	PASS
11G	Ant1	Low	2412	2.01	-29.42	<=-17.99	PASS
		High	2462	1.51	-47.77	<=-18.49	PASS
11N20SISO	Ant1	Low	2412	2.22	-29.47	<=-17.78	PASS
		High	2462	1.66	-45.89	<=-18.34	PASS
11N40SISO	Ant1	Low	2422	1.32	-26.53	<=-18.68	PASS
		High	2452	-1.37	-39.89	<=-21.37	PASS



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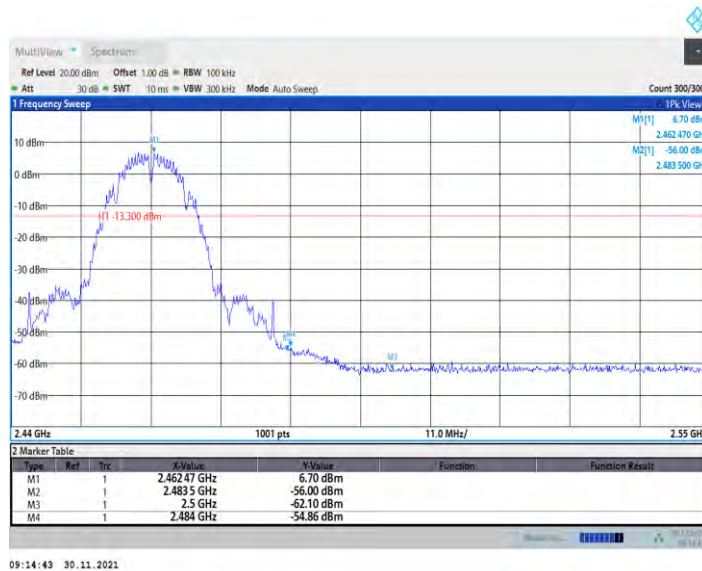


Test Graphs

11B Ant1 Low 2412



11B Ant1 High 2462



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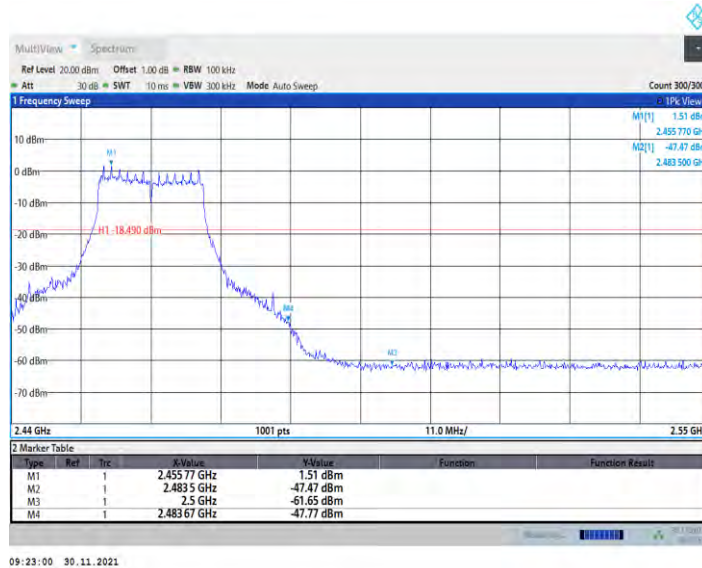
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11G\_Ant1\_Low\_2412



11G\_Ant1\_High\_2462



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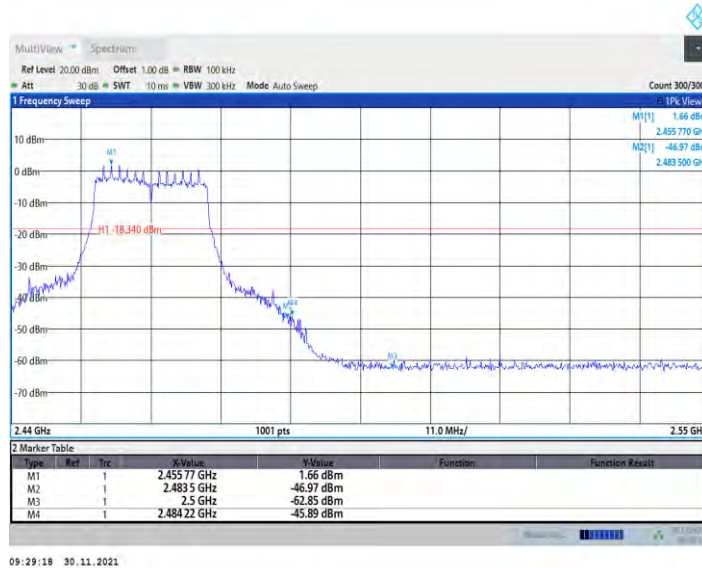
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11N20SISO Ant1 Low 2412



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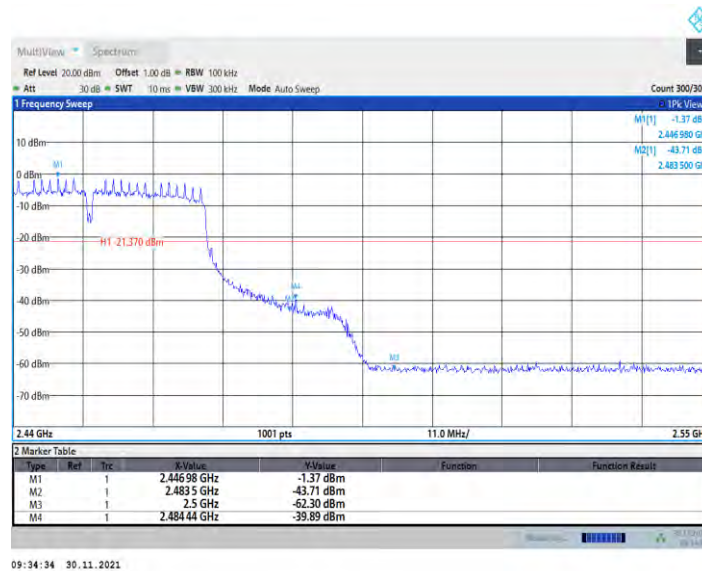
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### 11N40SISO\_Ant1\_Low\_2422



### 11N40SISO\_Ant1\_High\_2452



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### Conducted Spurious Emission Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.36	7.36	---	PASS
			30~1000	7.36	-63.18	<=-12.64	PASS
			1000~26500	7.36	-41.27	<=-12.64	PASS
		2437	Reference	5.72	5.72	---	PASS
			30~1000	5.72	-63.09	<=-14.28	PASS
			1000~26500	5.72	-43.92	<=-14.28	PASS
		2462	Reference	7.03	7.03	---	PASS
			30~1000	7.03	-63.18	<=-12.97	PASS
			1000~26500	7.03	-41.11	<=-12.97	PASS
11G	Ant1	2412	Reference	2.72	2.72	---	PASS
			30~1000	2.72	-63.14	<=-17.28	PASS
			1000~26500	2.72	-51.08	<=-17.28	PASS
		2437	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-63.38	<=-18.76	PASS
			1000~26500	1.24	-53.63	<=-18.76	PASS
		2462	Reference	1.55	1.55	---	PASS
			30~1000	1.55	-61.57	<=-18.45	PASS
			1000~26500	1.55	-32.91	<=-18.45	PASS
11N20SISO	Ant1	2412	Reference	2.53	2.53	---	PASS
			30~1000	2.53	-62.78	<=-17.47	PASS
			1000~26500	2.53	-53.1	<=-17.47	PASS
		2437	Reference	1.28	1.28	---	PASS
			30~1000	1.28	-63.23	<=-18.72	PASS
			1000~26500	1.28	-54.98	<=-18.72	PASS
		2462	Reference	1.62	1.62	---	PASS
			30~1000	1.62	-62.95	<=-18.38	PASS
			1000~26500	1.62	-38.85	<=-18.38	PASS
11N40SISO	Ant1	2422	Reference	-0.40	-0.40	---	PASS



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Report No.: XEWM2203000061RG04

Rev.: 01

Page: 66 of 133

		2437	30~1000	-0.40	-62.67	<=-20.4	PASS
			1000~26500	-0.40	-56.93	<=-20.4	PASS
			Reference	-1.27	-1.27	---	PASS
			30~1000	-1.27	-62.76	<=-21.27	PASS
			1000~26500	-1.27	-55.79	<=-21.27	PASS
			Reference	-1.09	-1.09	---	PASS
		2452	30~1000	-1.09	-63.03	<=-21.09	PASS
			1000~26500	-1.09	-51.21	<=-21.09	PASS
			Reference	-1.09	-1.09	---	PASS



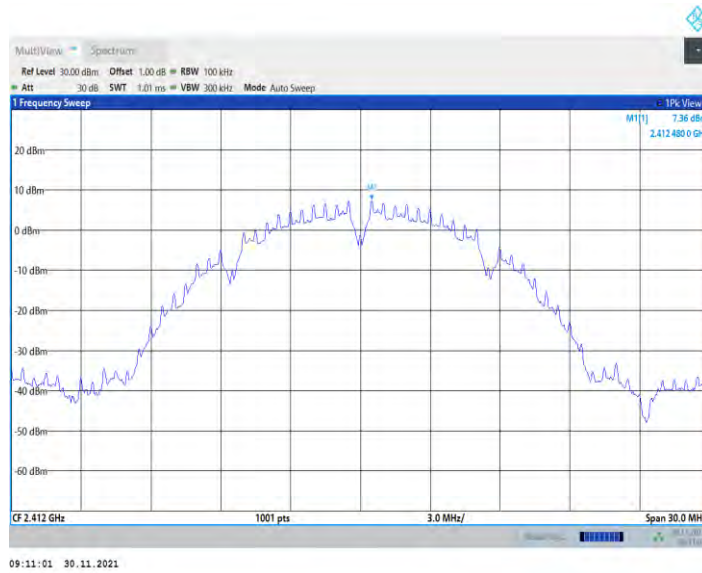
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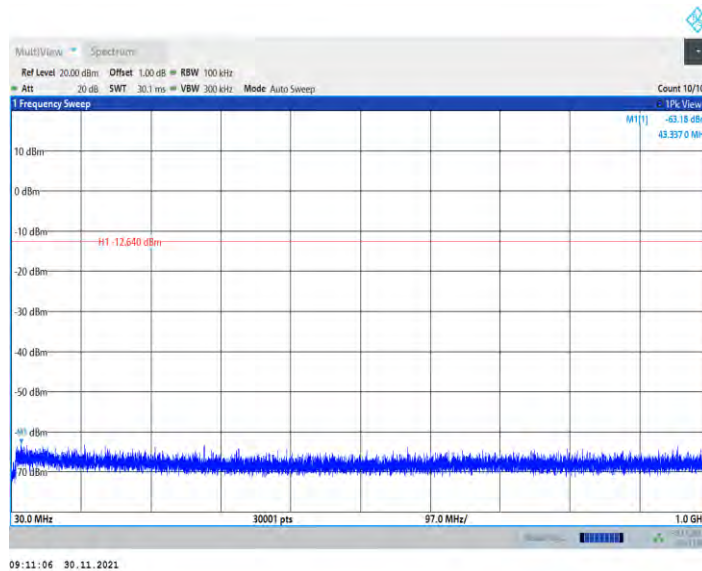
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Test Graphs

11B\_Ant1\_2412\_0~Reference



11B\_Ant1\_2412\_30~1000

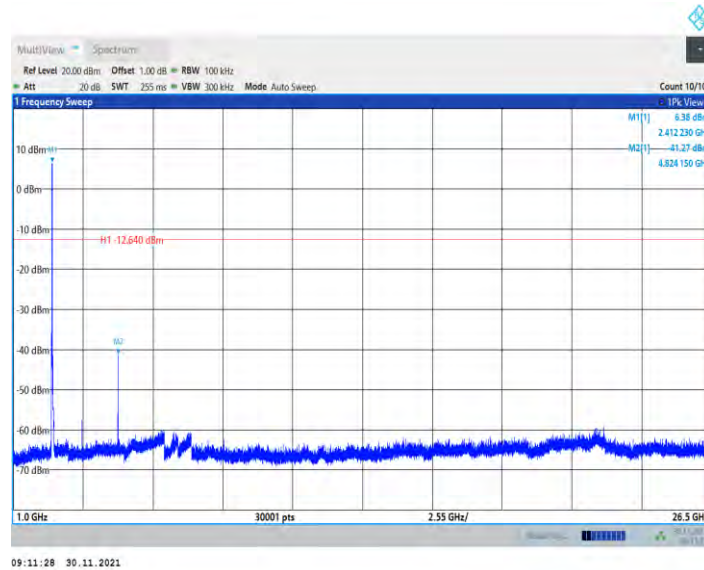


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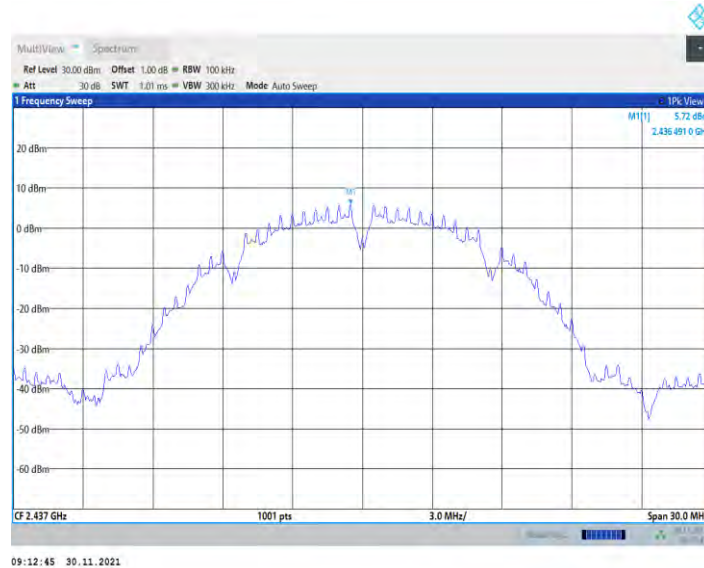
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11B\_Ant1\_2412\_1000~26500



11B\_Ant1\_2437\_0~Reference



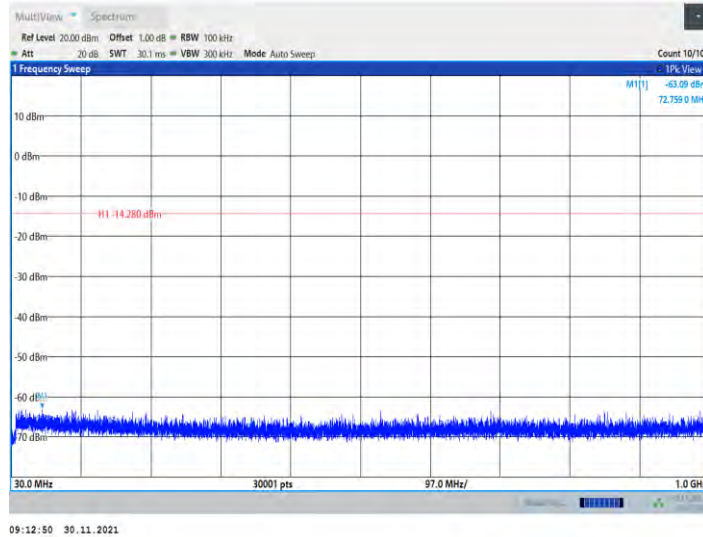
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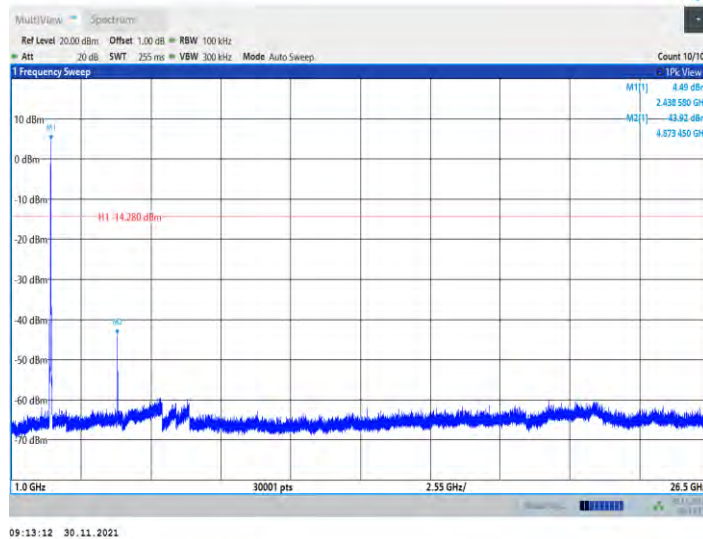
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11B\_Ant1\_2437\_30~1000



11B\_Ant1\_2437\_1000~26500

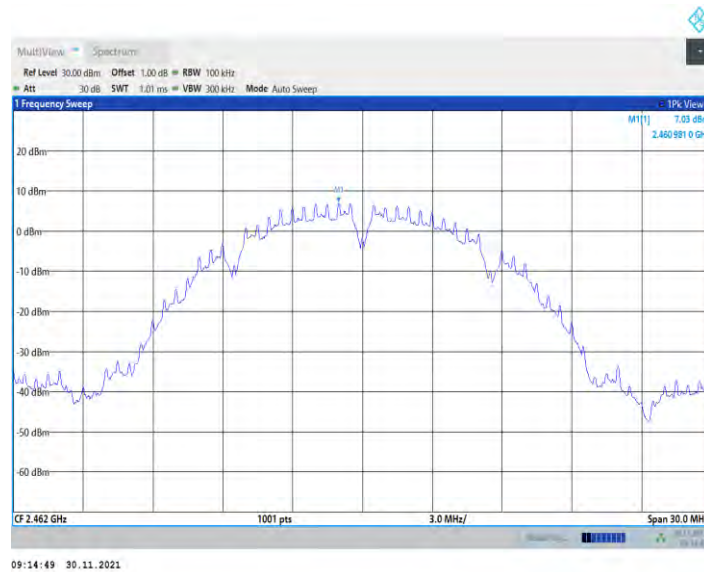


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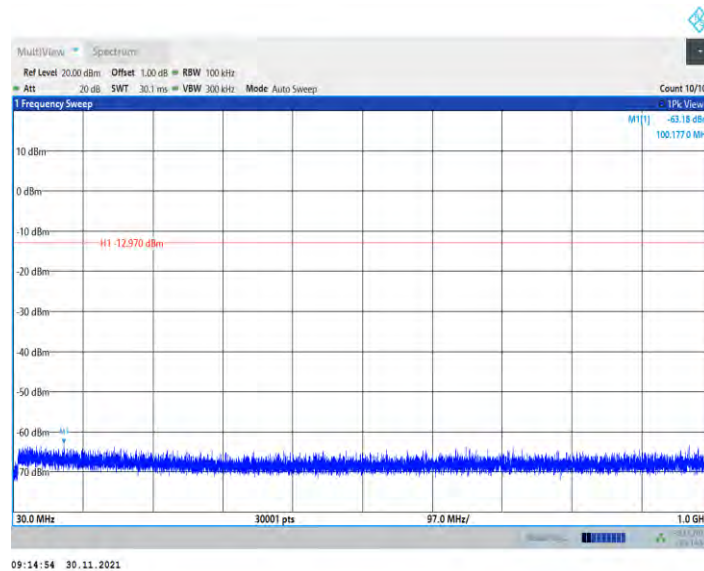
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11B\_Ant1\_2462\_0~Reference



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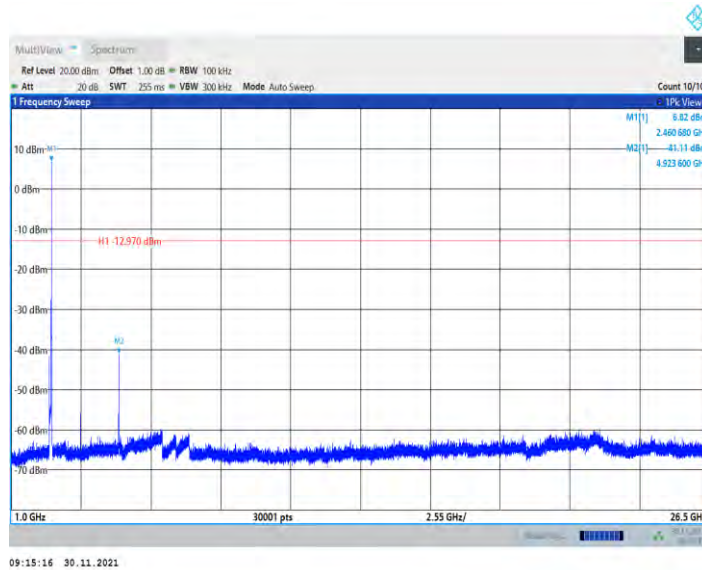


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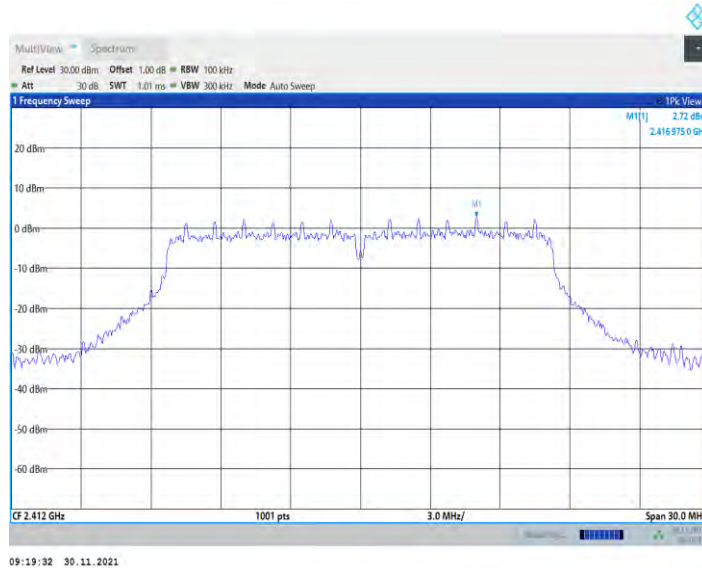
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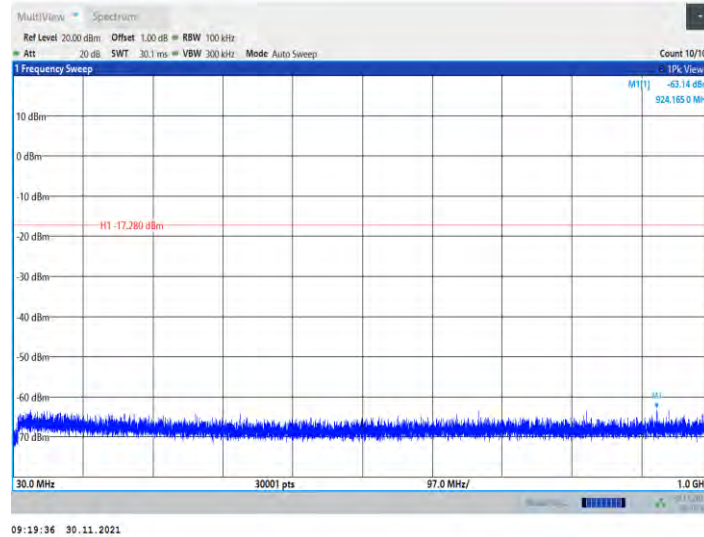
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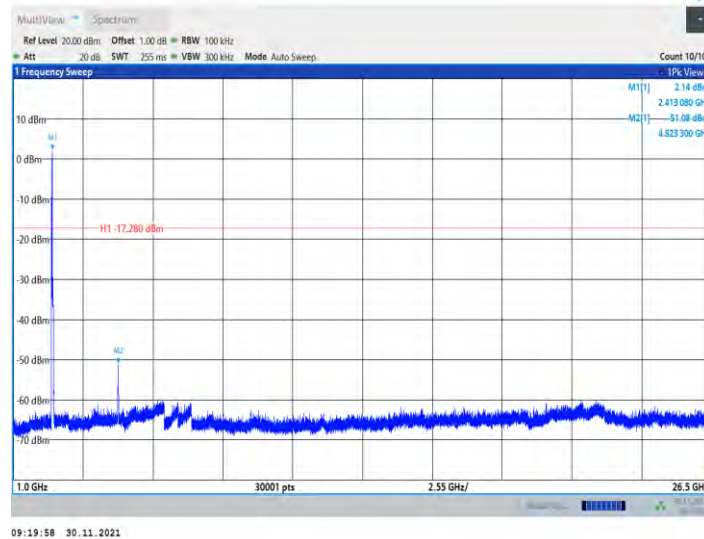
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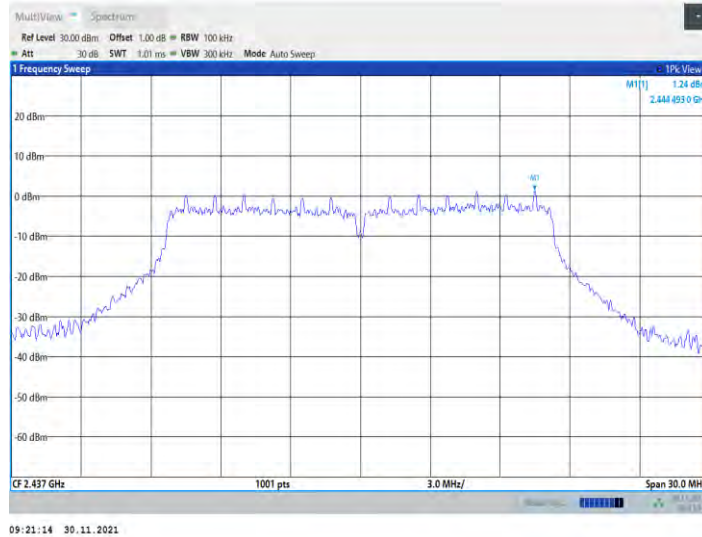
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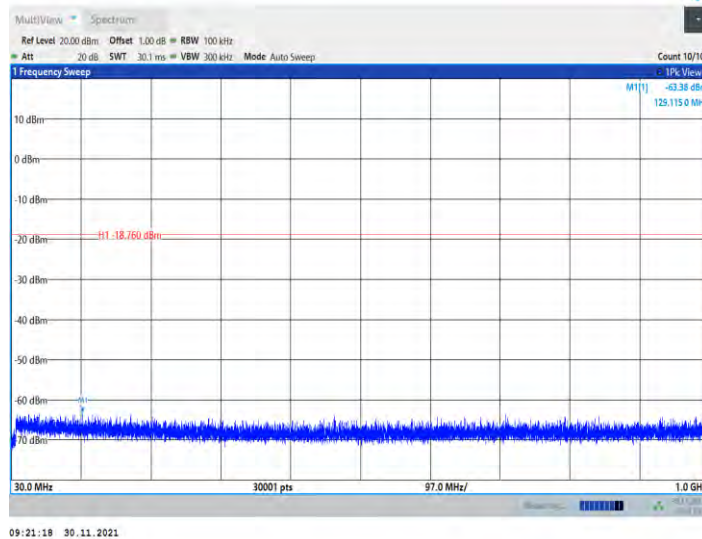
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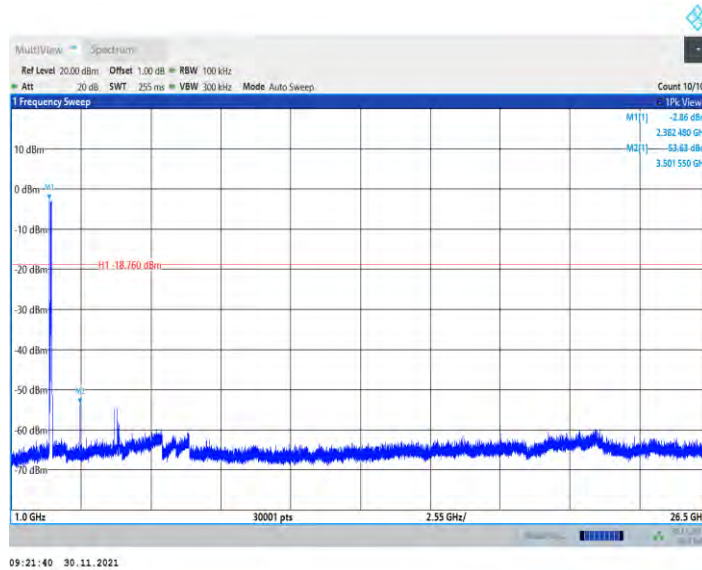


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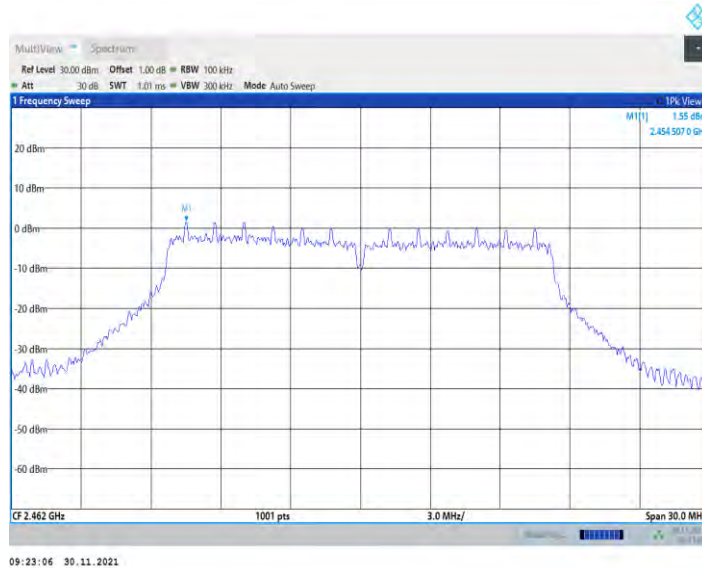
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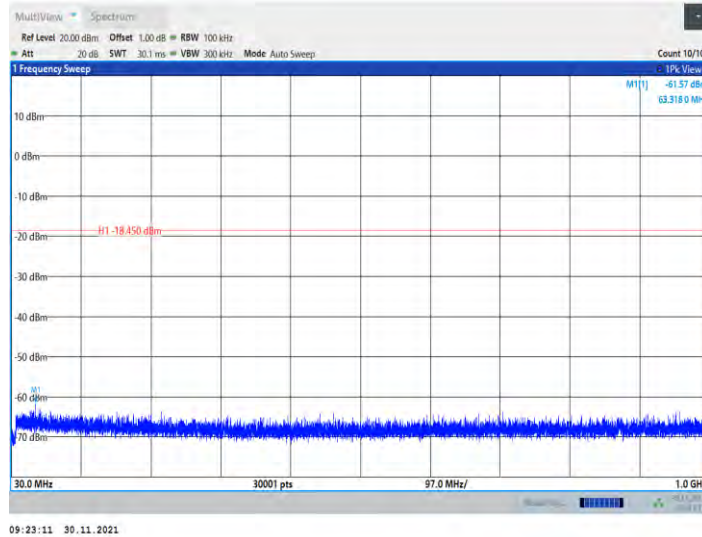


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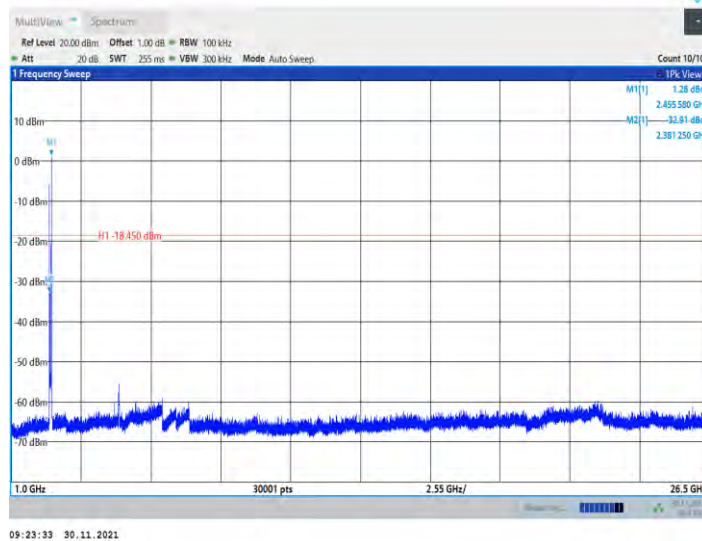
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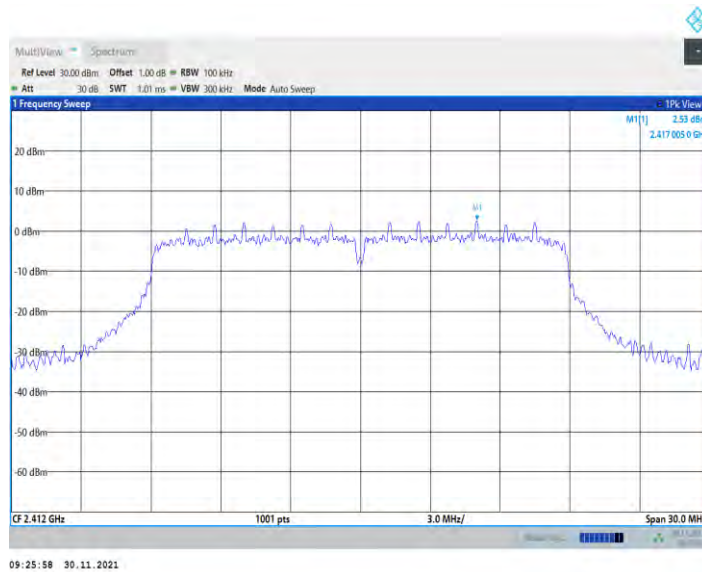
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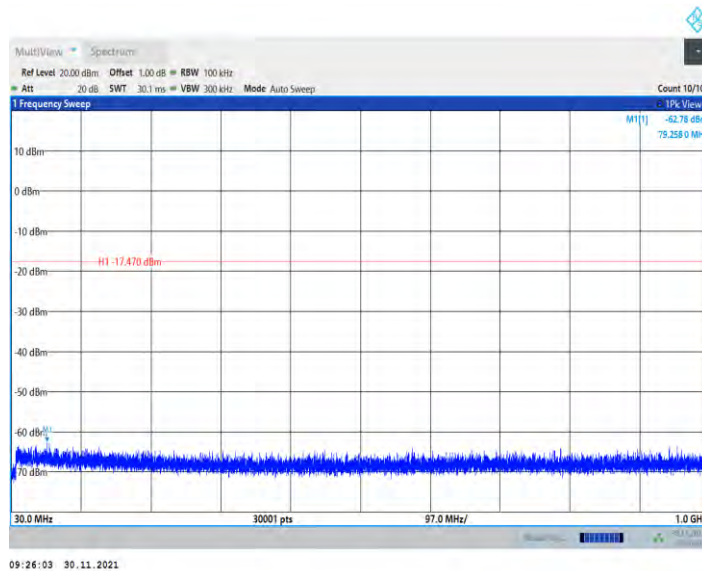
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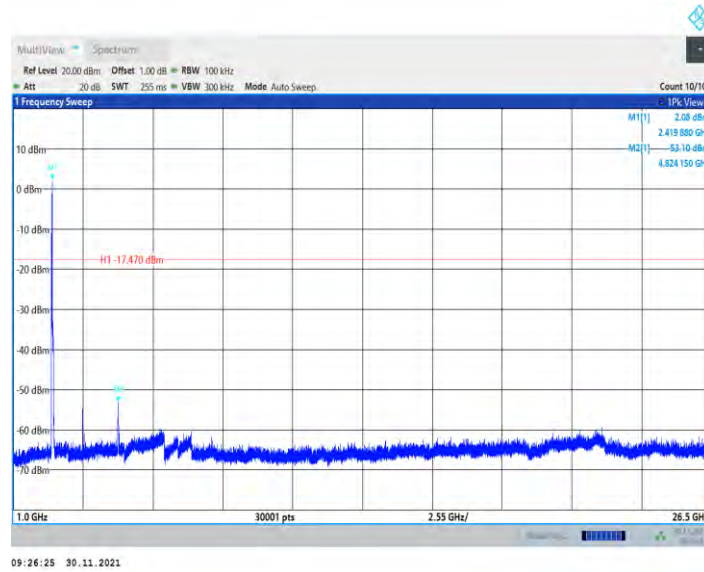
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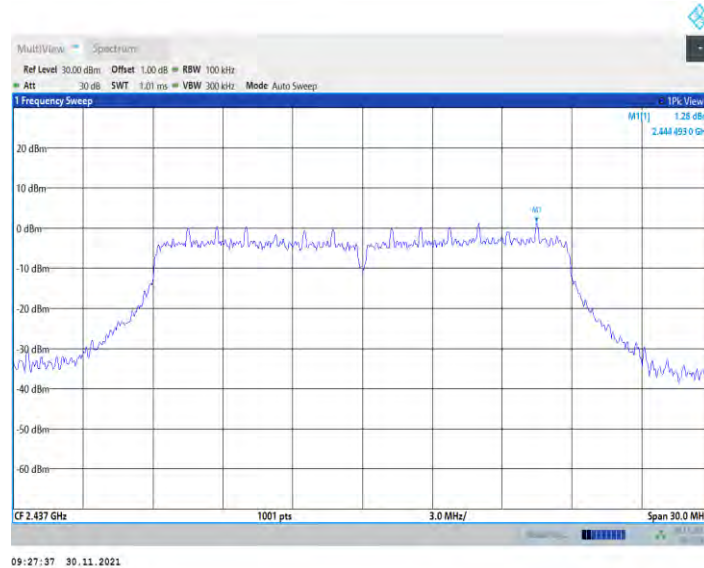
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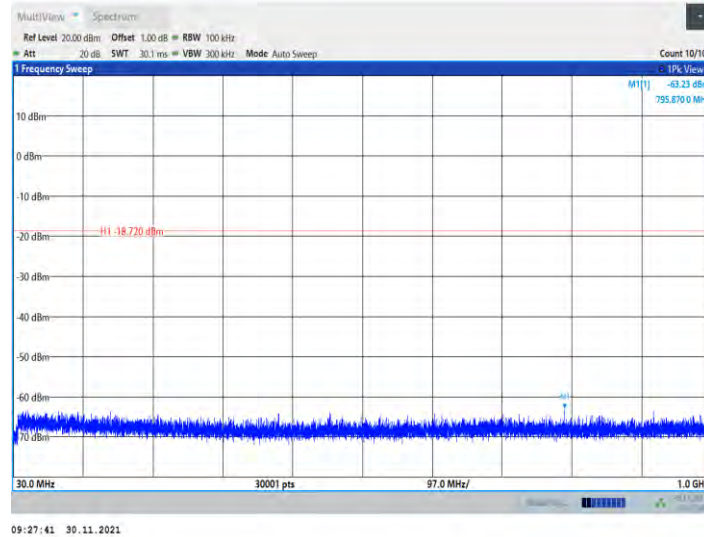


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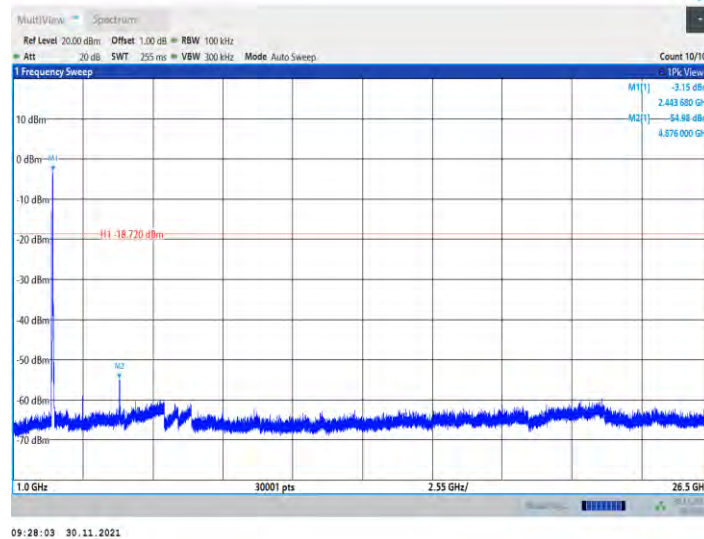
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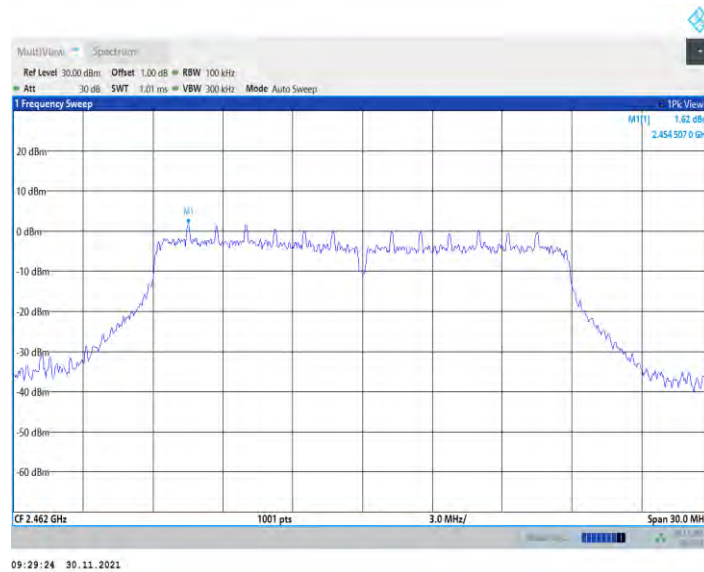


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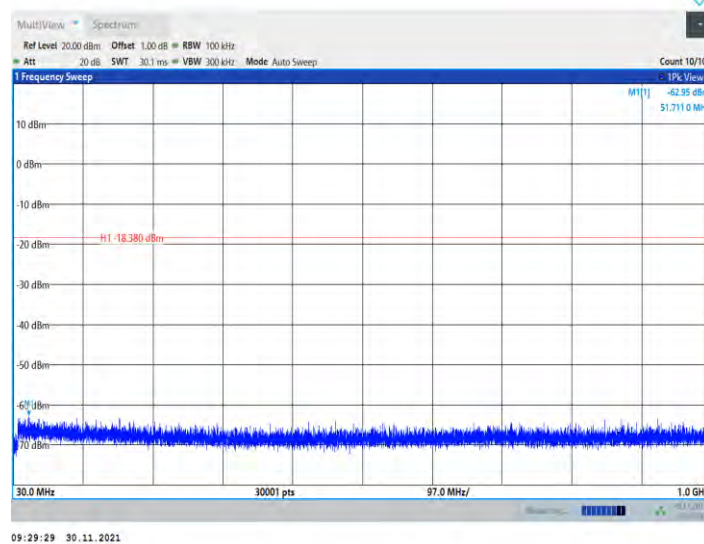
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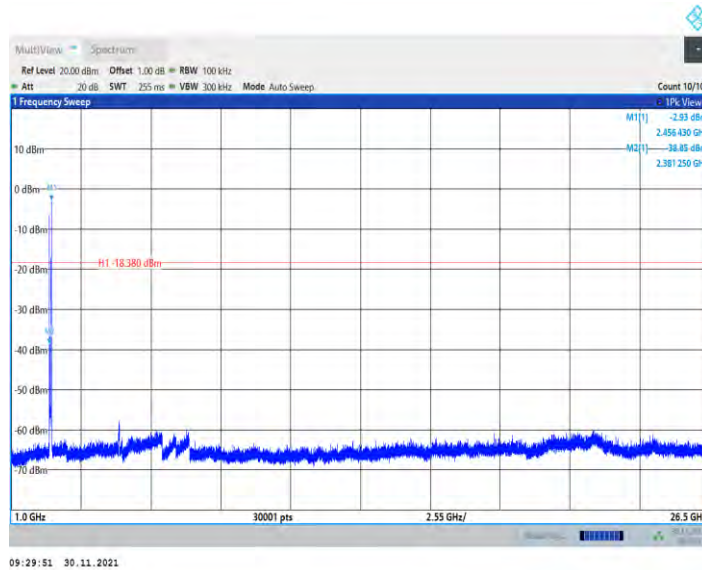
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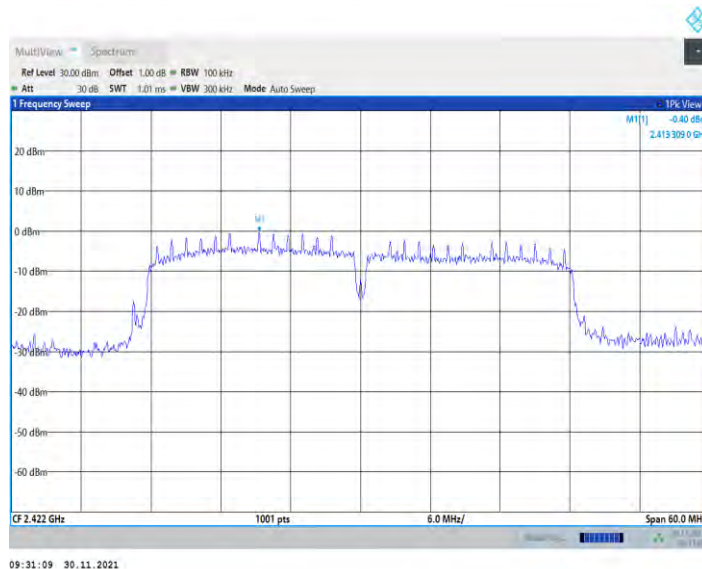
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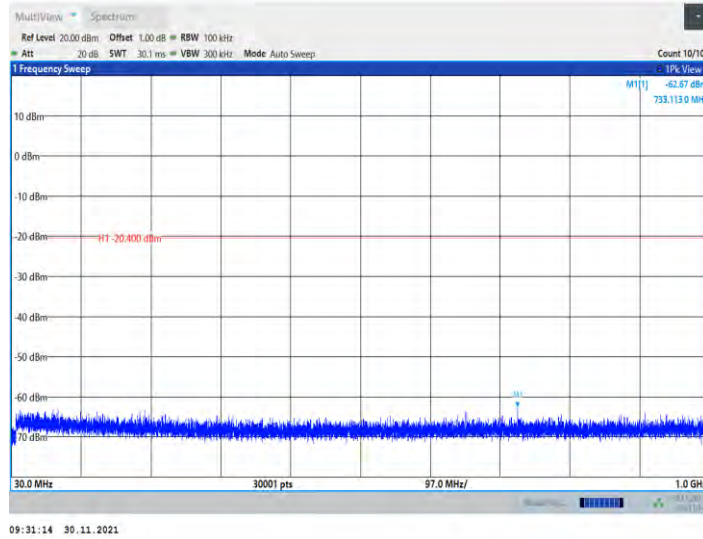
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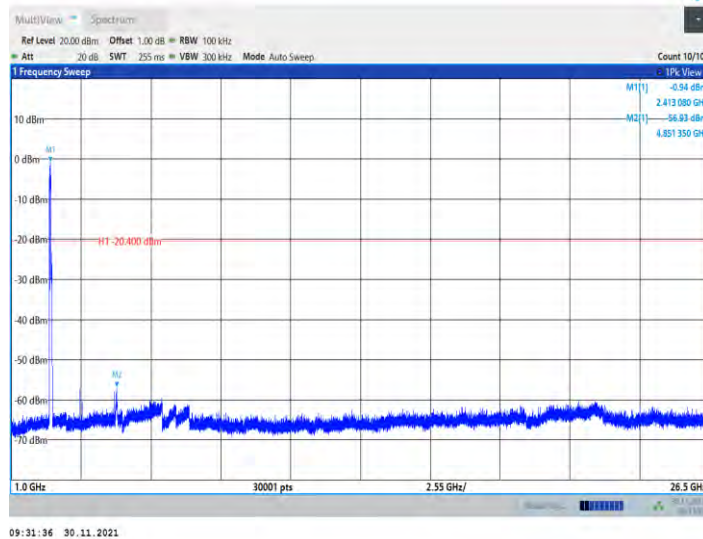
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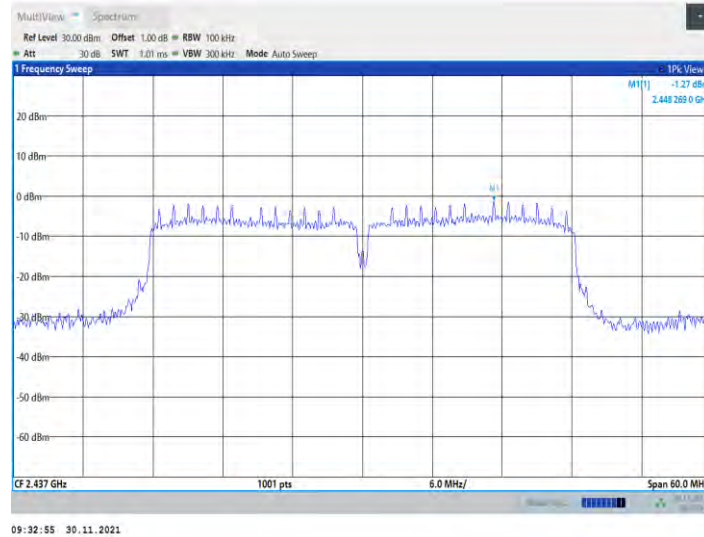


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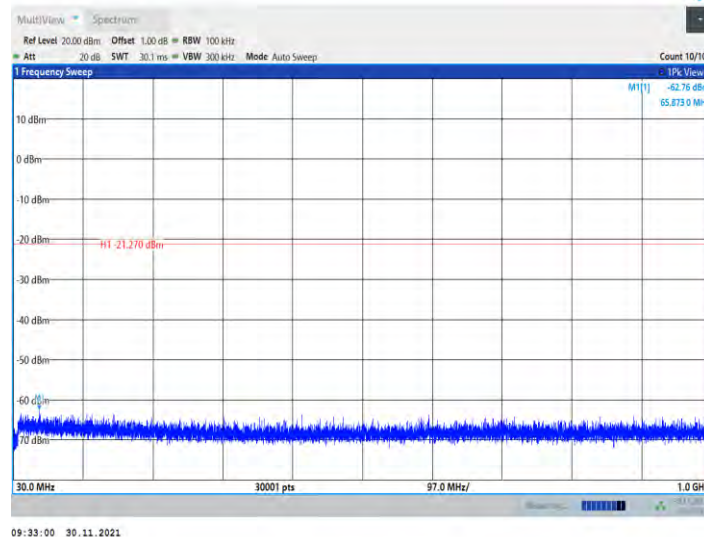
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11N40SISO\_Ant1\_2437\_0~Reference



11N40SISO\_Ant1\_2437\_30~1000

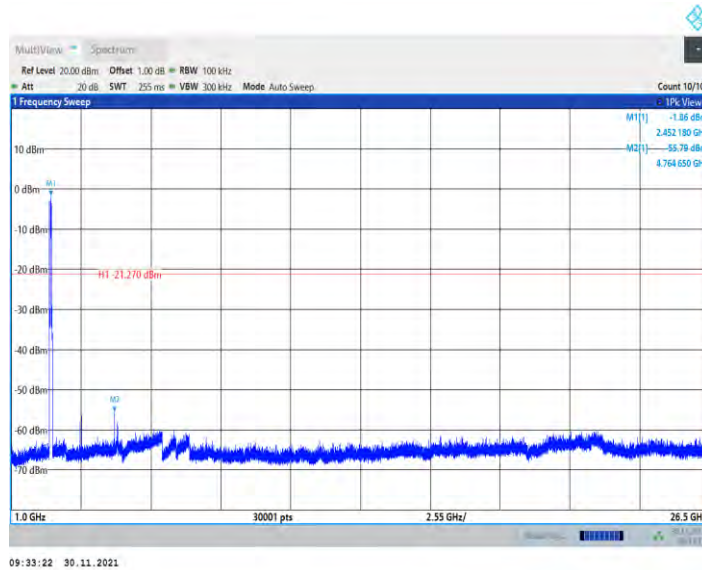


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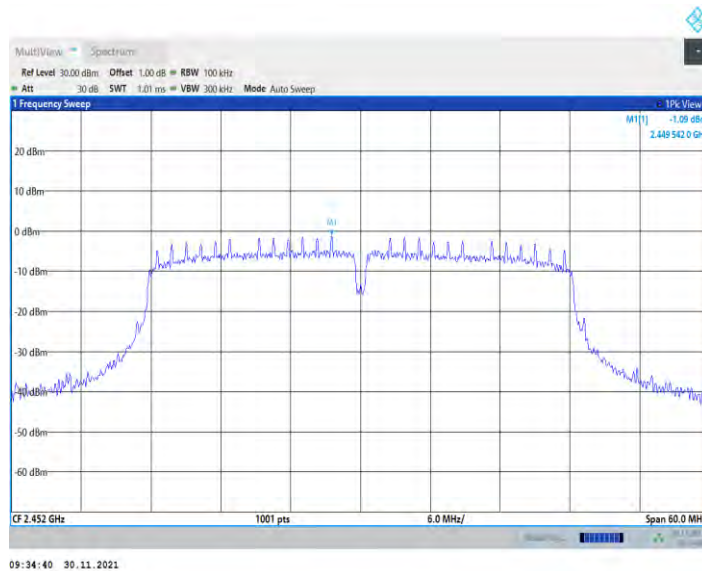
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11N40SISO\_Ant1\_2437\_1000~26500



11N40SISO\_Ant1\_2452\_0~Reference



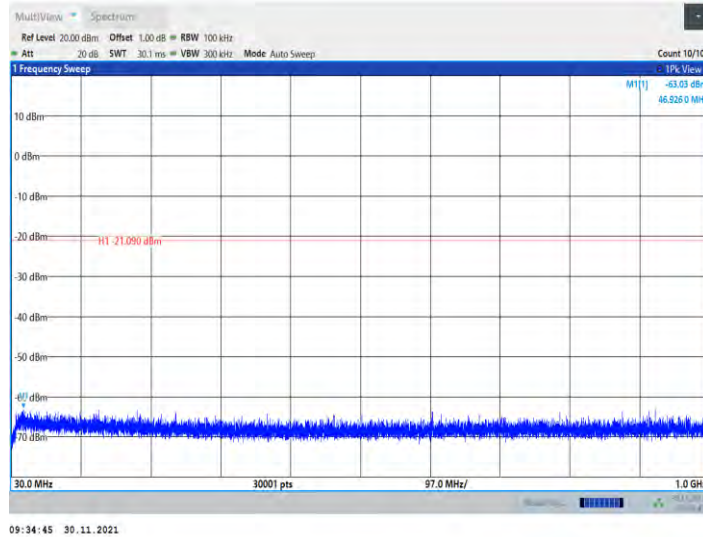
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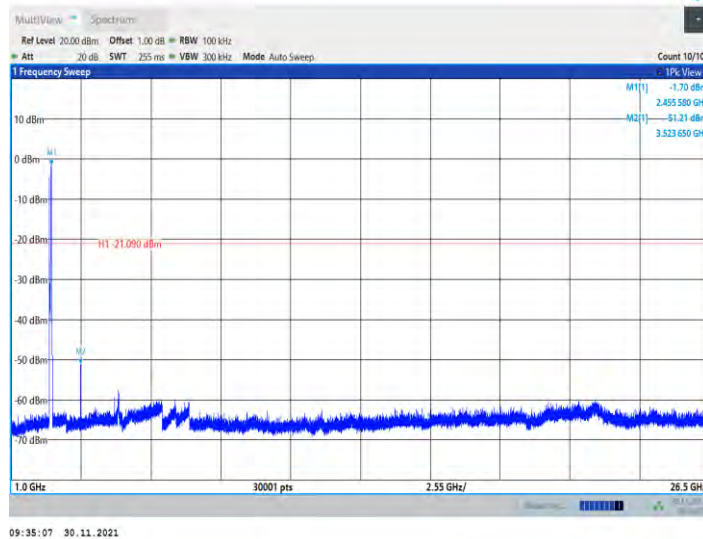
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11N40SISO\_Ant1\_2452\_30~1000



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**Duty Cycle  
Test Result**

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.22	8.42	97.62	---	PASS
		2437	8.22	8.42	97.62	---	PASS
		2462	8.22	8.42	97.62	---	PASS
11G	Ant1	2412	1.36	1.56	87.18	---	PASS
		2437	1.36	1.56	87.18	---	PASS
		2462	1.36	1.56	87.18	---	PASS
11N20SISO	Ant1	2412	1.27	1.47	86.39	---	PASS
		2437	1.27	1.47	86.39	---	PASS
		2462	1.27	1.47	86.39	---	PASS
11N40SISO	Ant1	2422	0.63	0.84	75.00	---	PASS
		2437	0.33	0.54	61.11	---	PASS
		2452	0.63	0.84	75.00	---	PASS

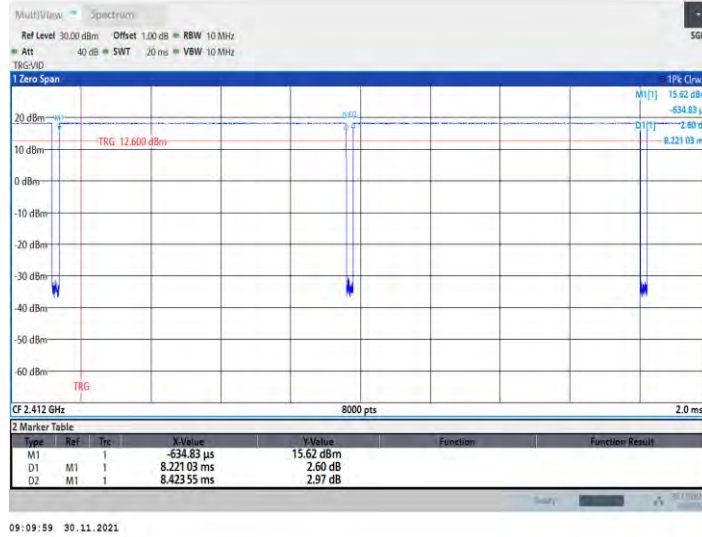


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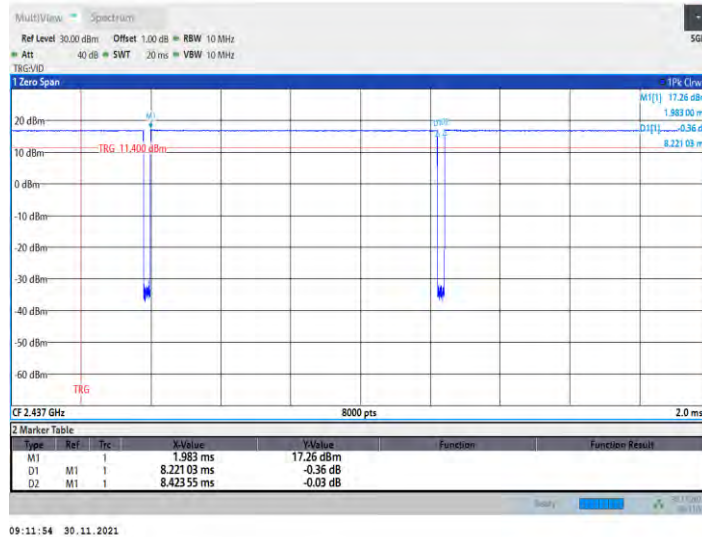
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Test Graphs

11B Ant1 2412



11B Ant1 2437

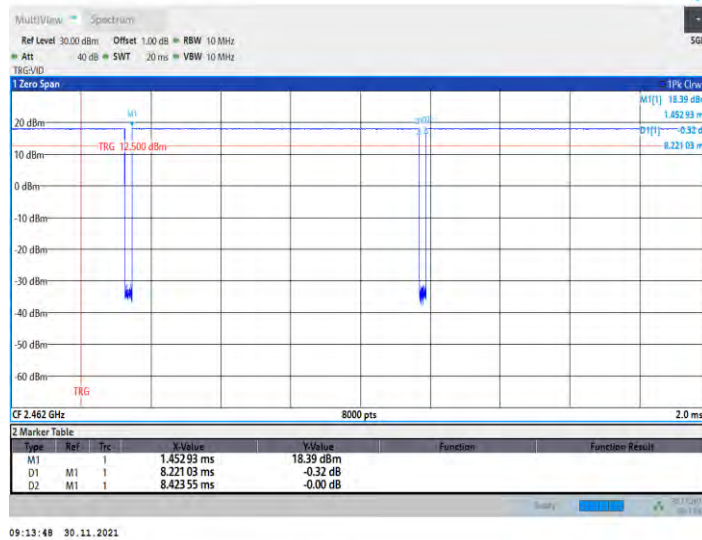


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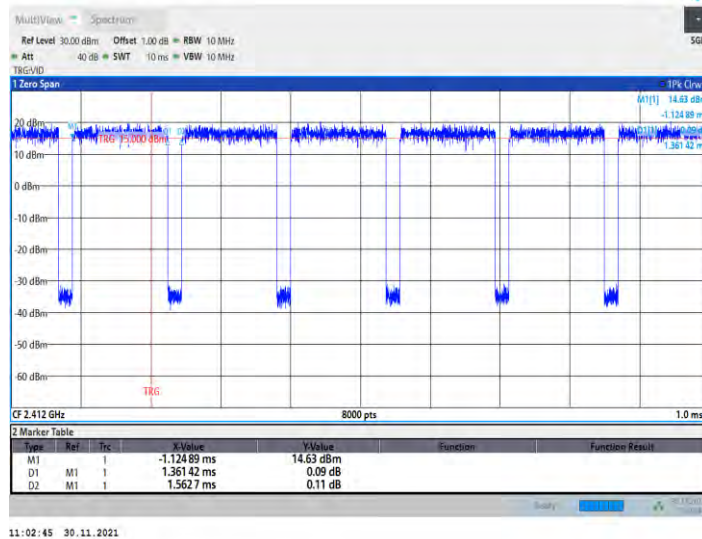
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11B\_Ant1\_2462



11G\_Ant1\_2412

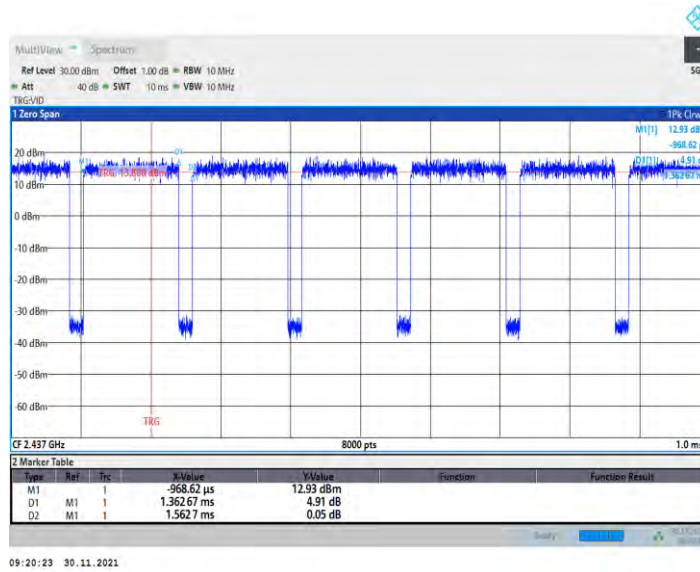


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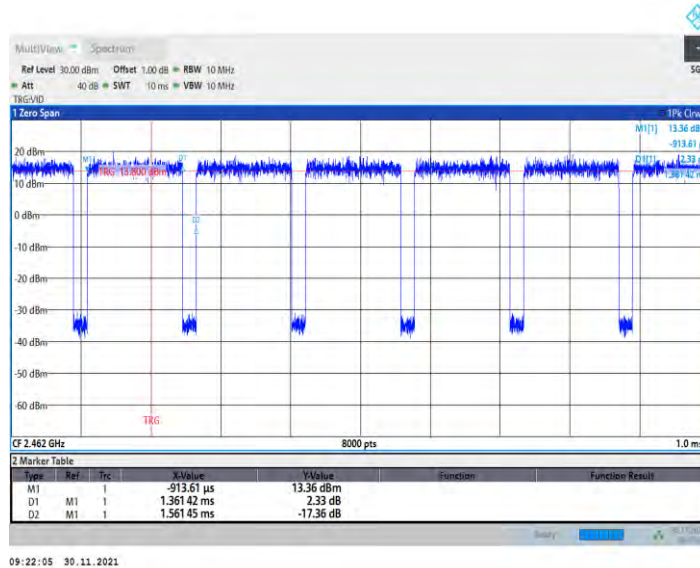
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11G\_Ant1\_2437



11G\_Ant1\_2462



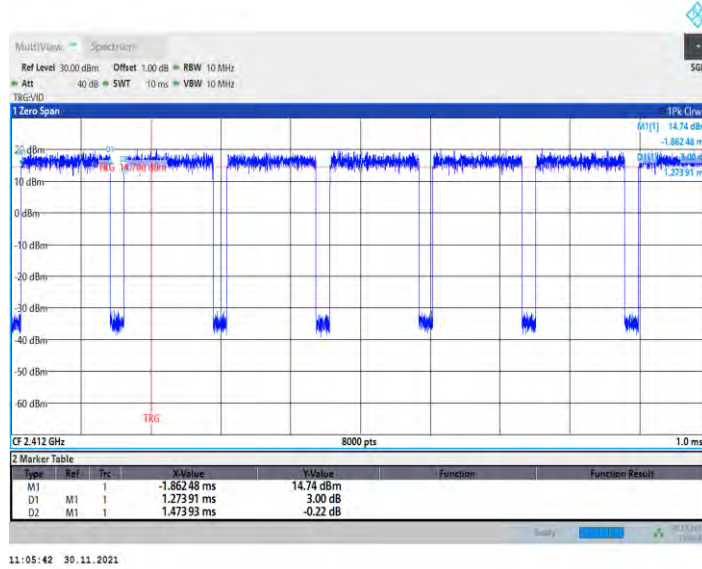
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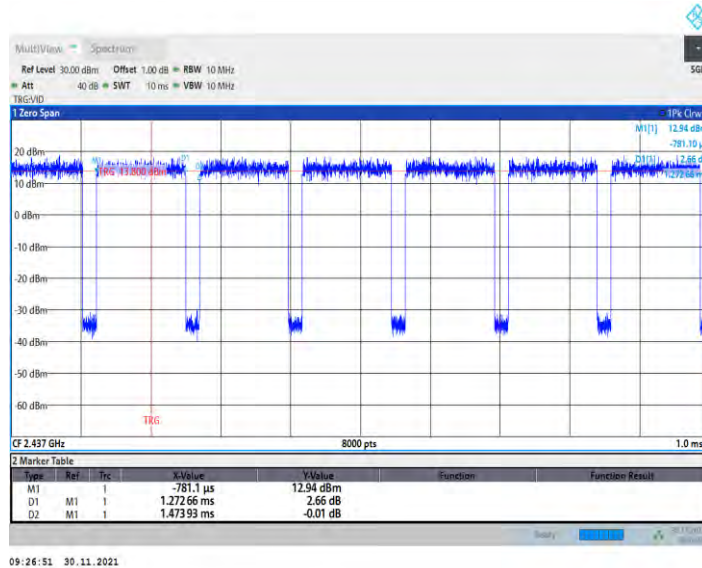
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11N20SISO\_Ant1\_2412



11N20SISO\_Ant1\_2437

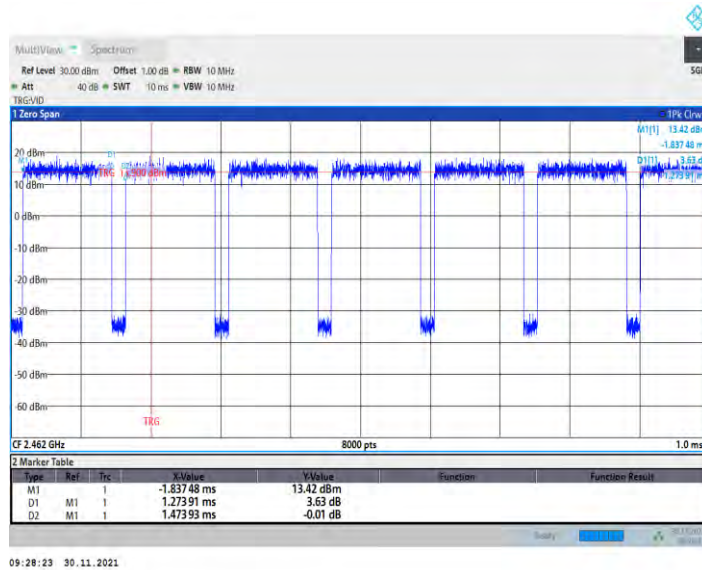


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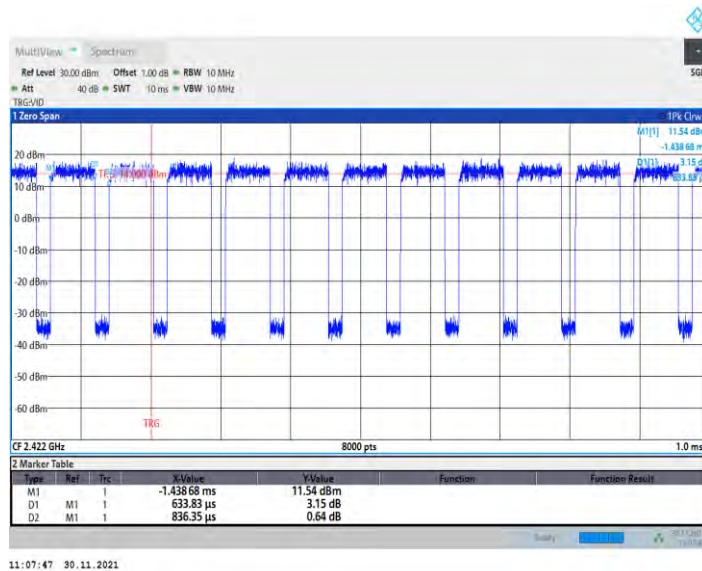
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11N20SISO\_Ant1\_2462



11N40SISO\_Ant1\_2422

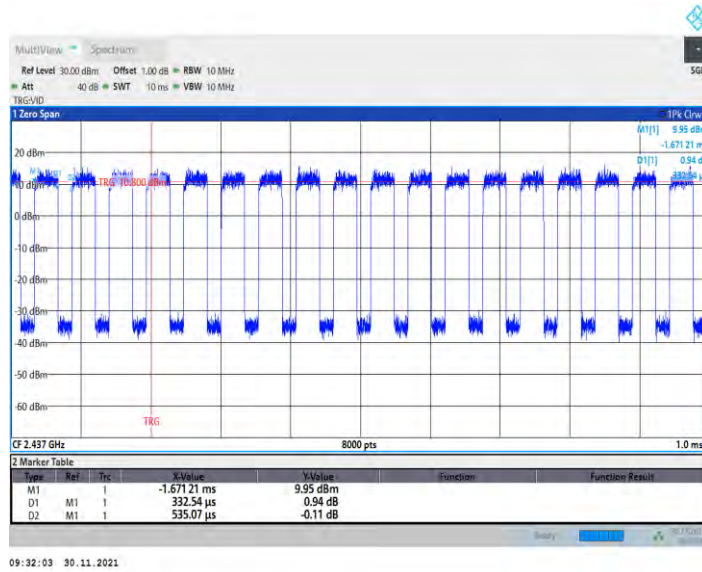


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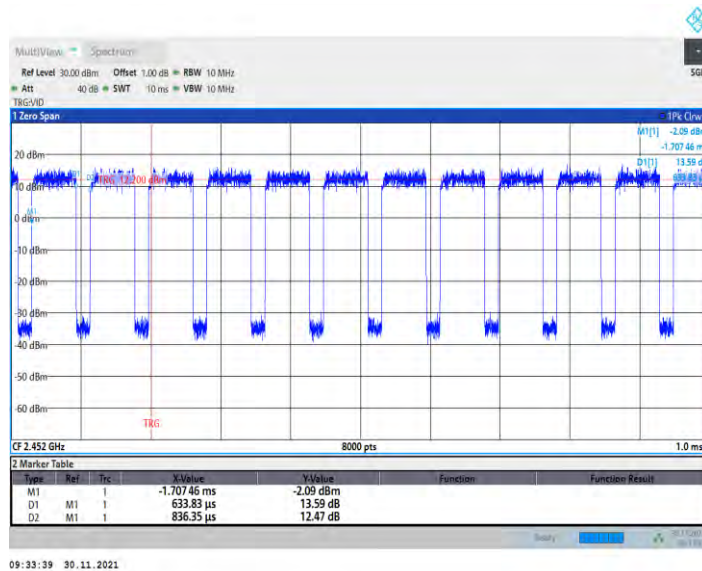
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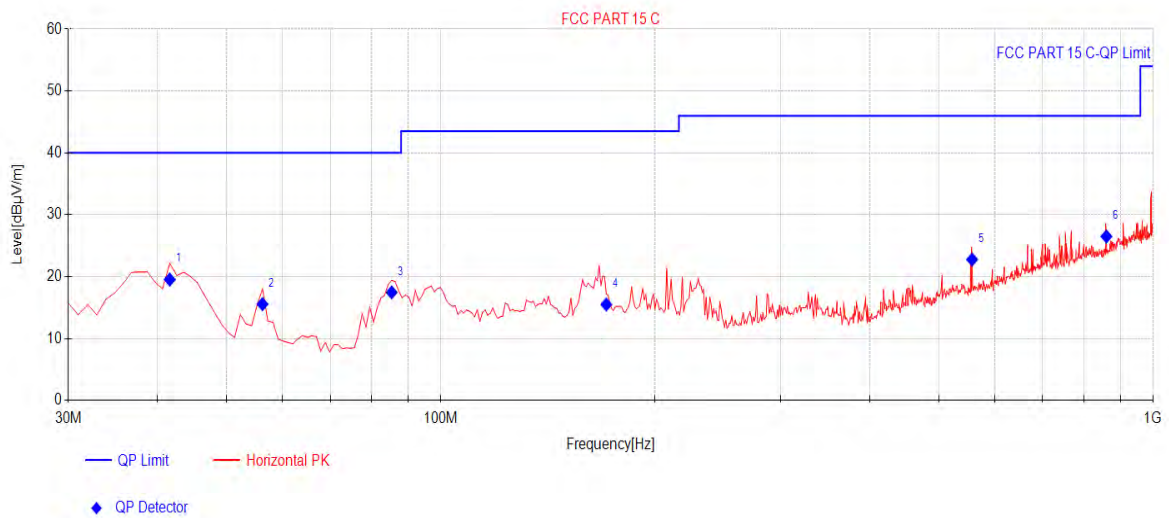
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## Radiated Spurious Emissions

### Radiated emission below 1GHz

#### Worst case Mode: 802.11n40Channel 03



Data List								
NO.	Frequency [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.6517	-21.56	19.52	40.00	20.48	263	52	Horizontal
2	56.2162	-21.60	15.55	40.00	24.45	252	231	Horizontal
3	85.3453	-22.97	17.45	40.00	22.55	361	30	Horizontal
4	170.7908	-22.99	15.50	43.50	28.00	163	271	Horizontal
5	557.2372	-12.39	22.76	46.00	23.24	185	3	Horizontal
6	860.1802	-5.61	26.49	46.00	19.51	162	245	Horizontal



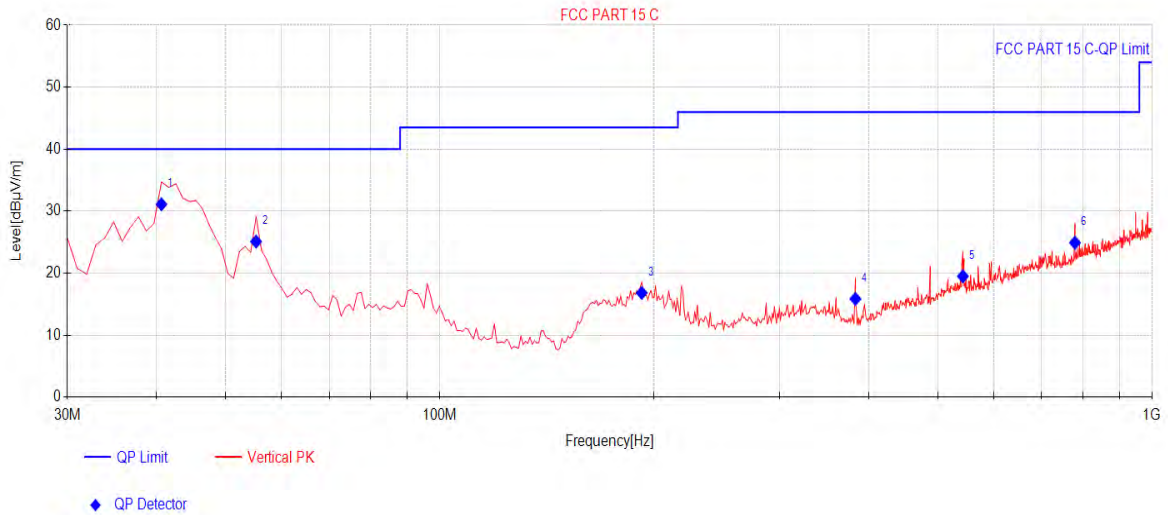
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**Worst case Mode: 802.11n40Channel 03**



Data List								
NO.	Frequency [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40.6807	-21.76	31.11	40.00	8.89	106	289	Vertical
2	55.2452	-21.38	25.10	40.00	14.90	246	262	Vertical
3	192.1522	-21.06	16.80	43.50	26.70	186	275	Vertical
4	383.4334	-15.66	15.86	46.00	30.14	215	231	Vertical
5	542.6727	-12.50	19.49	46.00	26.51	321	244	Vertical
6	779.5896	-7.28	24.91	46.00	21.09	105	304	Vertical

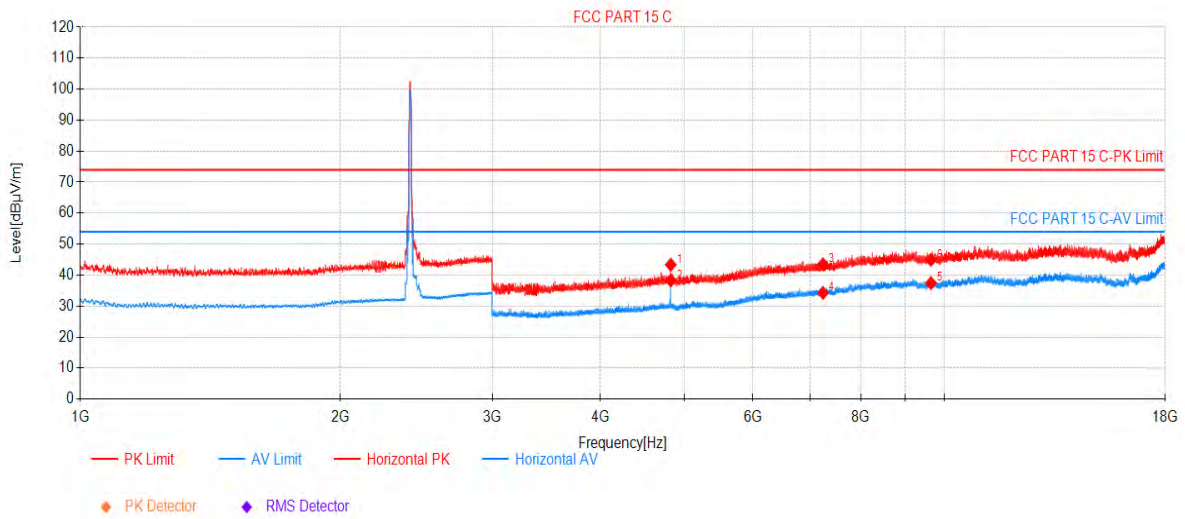


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### Transmitter emission above 1GHz

### 802.11bEmission\_Channel 01



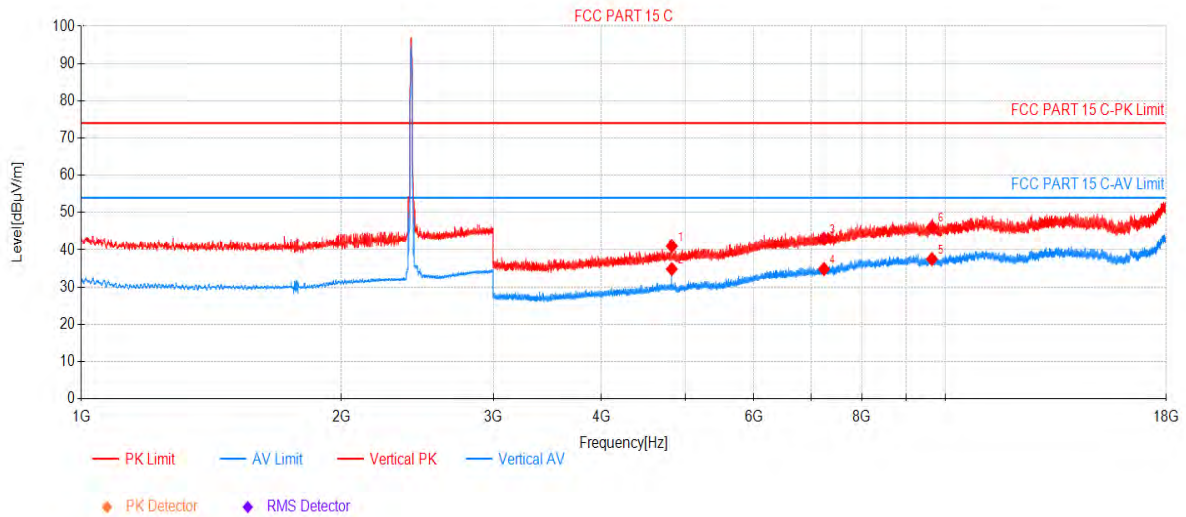
Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824.0000	55.74	-12.37	43.37	74.00	30.63	168	3	Horizontal
2	4824.0000	50.67	-12.37	38.30	54.00	15.70	192	11	Horizontal
3	7236.0000	49.21	-5.74	43.47	74.00	30.53	243	60	Horizontal
4	7236.0000	40.03	-5.74	34.29	54.00	19.71	246	248	Horizontal
5	9648.0000	36.73	0.71	37.44	54.00	16.56	216	117	Horizontal
6	9648.0000	44.24	0.71	44.95	74.00	29.05	355	267	Horizontal



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### 802.11bEmission\_Channel 01



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824.0000	53.40	-12.37	41.03	74.00	32.97	162	66	Vertical
2	4824.0000	47.22	-12.37	34.85	54.00	19.15	152	94	Vertical
3	7236.0000	48.73	-5.74	42.99	74.00	31.01	320	85	Vertical
4	7236.0000	40.59	-5.74	34.85	54.00	19.15	189	158	Vertical
5	9648.0000	36.80	0.71	37.51	54.00	16.49	219	70	Vertical
6	9648.0000	45.38	0.71	46.09	74.00	27.91	289	78	Vertical

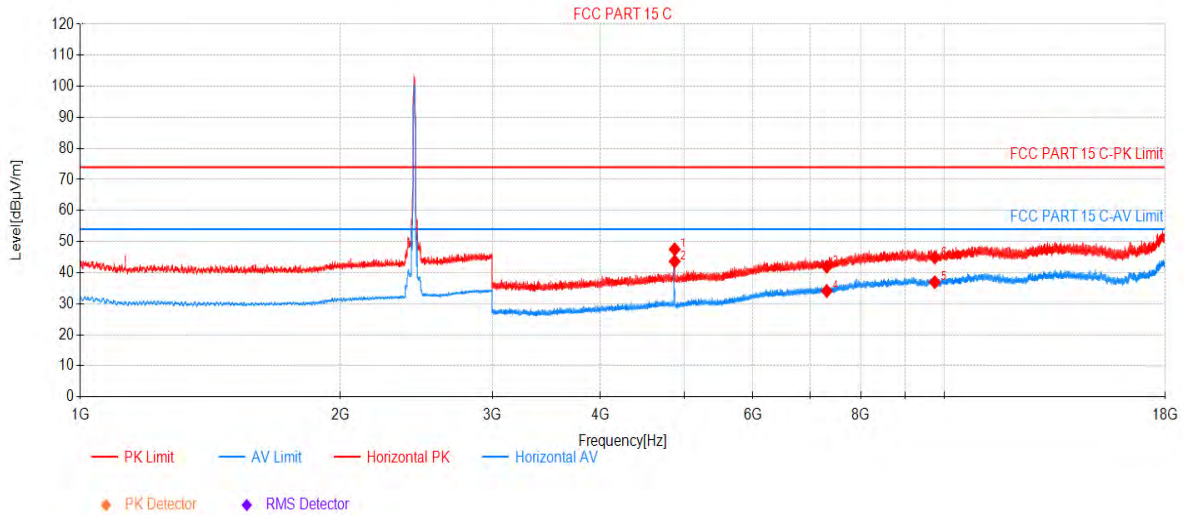


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### 802.11bEmission\_Channel 06



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	60.00	-12.47	47.53	74.00	26.47	196	357	Horizontal
2	4874.0000	56.11	-12.47	43.64	54.00	10.36	158	3	Horizontal
3	7311.0000	47.32	-5.40	41.92	74.00	32.08	246	59	Horizontal
4	7311.0000	39.48	-5.40	34.08	54.00	19.92	375	228	Horizontal
5	9748.0000	35.92	1.01	36.93	54.00	17.07	215	268	Horizontal
6	9748.0000	43.87	1.01	44.88	74.00	29.12	347	348	Horizontal



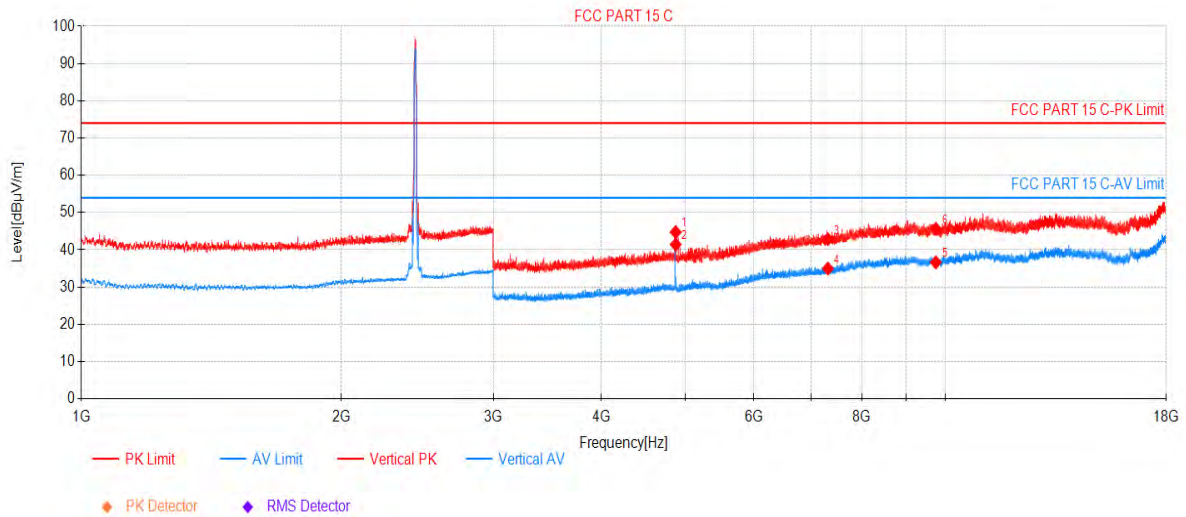
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### 802.11bEmission\_Channel 06



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	57.22	-12.47	44.75	74.00	29.25	163	100	Vertical
2	4874.0000	53.90	-12.47	41.43	54.00	12.57	175	100	Vertical
3	7311.0000	48.25	-5.40	42.85	74.00	31.15	142	288	Vertical
4	7311.0000	40.38	-5.40	34.98	54.00	19.02	384	118	Vertical
5	9748.0000	35.62	1.01	36.63	54.00	17.37	247	248	Vertical
6	9748.0000	44.63	1.01	45.64	74.00	28.36	324	238	Vertical

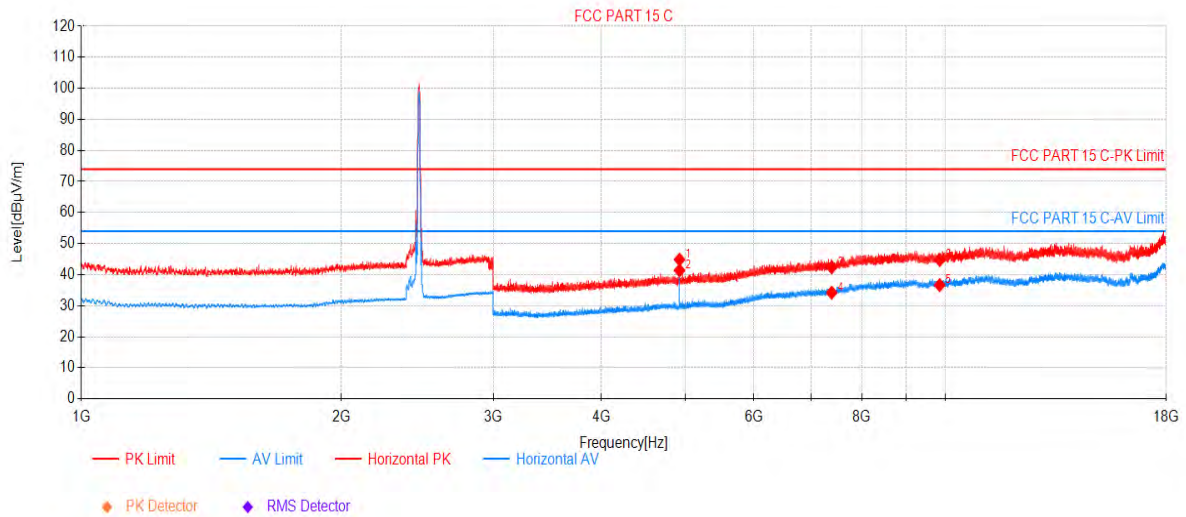


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### 802.11bEmission\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	57.33	-12.48	44.85	74.00	29.15	186	163	Horizontal
2	4924.0000	53.84	-12.48	41.36	54.00	12.64	246	327	Horizontal
3	7386.0000	47.88	-5.52	42.36	74.00	31.64	374	255	Horizontal
4	7386.0000	39.72	-5.52	34.20	54.00	19.80	246	307	Horizontal
5	9848.0000	35.51	1.14	36.65	54.00	17.35	318	140	Horizontal
6	9848.0000	43.59	1.14	44.73	74.00	29.27	226	204	Horizontal

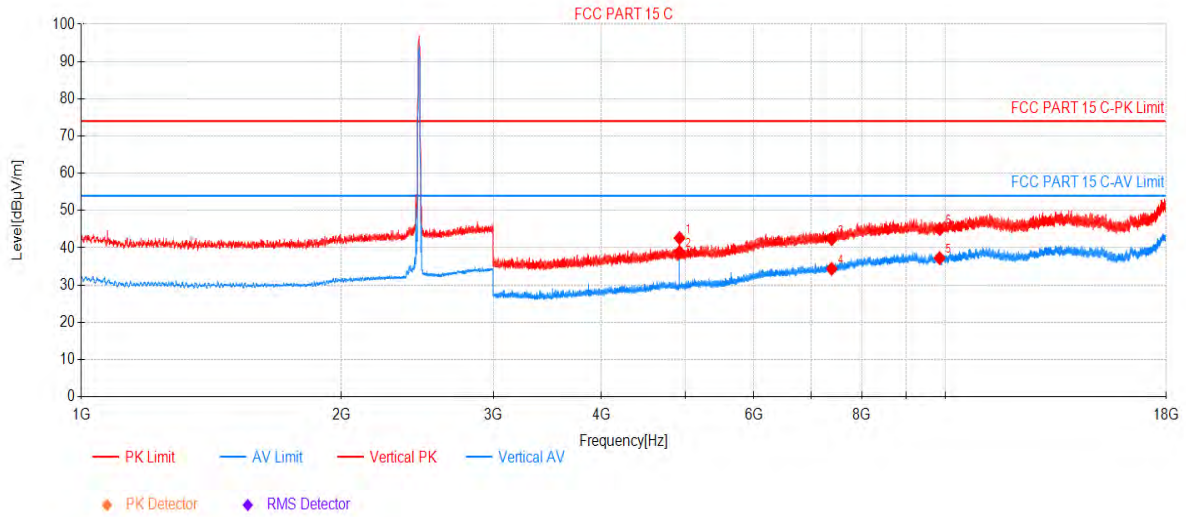


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### 802.11bEmission\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	55.11	-12.48	42.63	74.00	31.37	185	198	Vertical
2	4924.0000	51.36	-12.48	38.88	54.00	15.12	146	99	Vertical
3	7386.0000	47.85	-5.52	42.33	74.00	31.67	384	110	Vertical
4	7386.0000	39.88	-5.52	34.36	54.00	19.64	146	59	Vertical
5	9848.0000	36.10	1.14	37.24	54.00	16.76	325	90	Vertical
6	9848.0000	43.91	1.14	45.05	74.00	28.95	241	110	Vertical



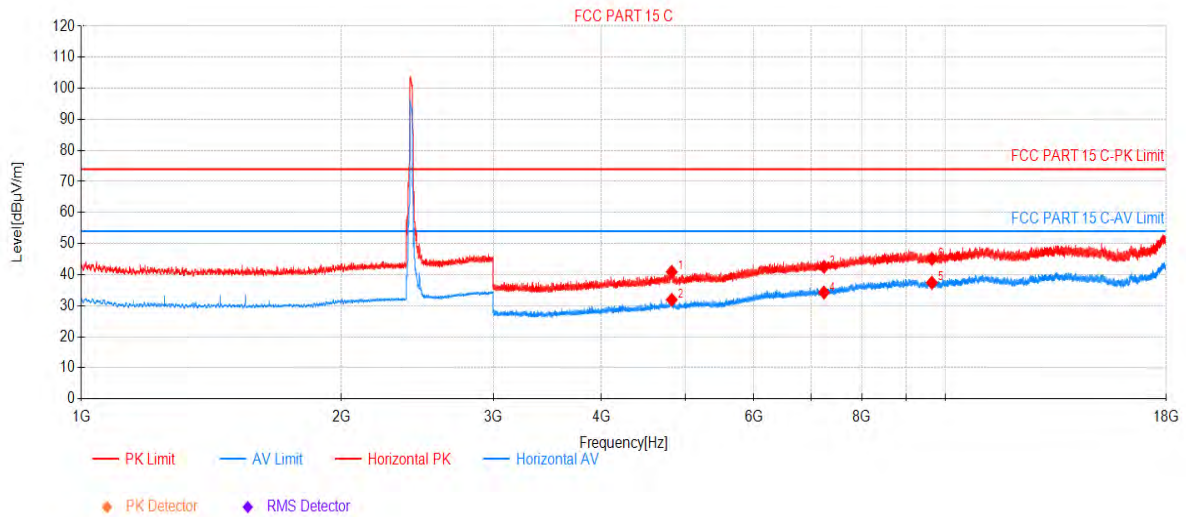
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### 802.11gEmission\_Channel 01



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824.0000	53.26	-12.37	40.89	74.00	33.11	163	56	Horizontal
2	4824.0000	44.30	-12.37	31.93	54.00	22.07	244	347	Horizontal
3	7236.0000	48.25	-5.74	42.51	74.00	31.49	276	77	Horizontal
4	7236.0000	39.99	-5.74	34.25	54.00	19.75	384	86	Horizontal
5	9648.0000	36.70	0.71	37.41	54.00	16.59	246	98	Horizontal
6	9648.0000	44.34	0.71	45.05	74.00	28.95	115	118	Horizontal



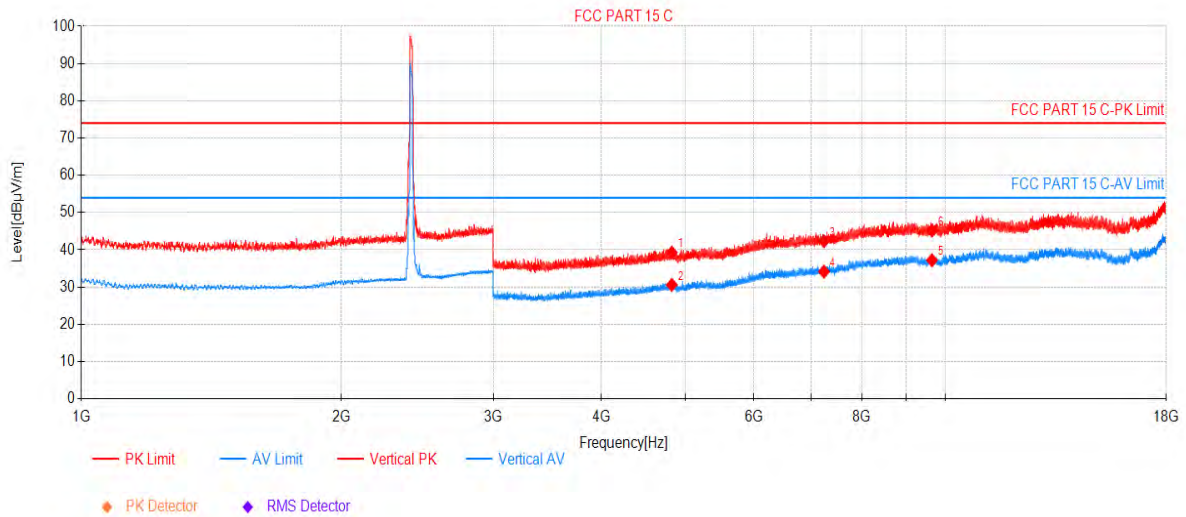
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Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824.0000	51.65	-12.37	39.28	74.00	34.72	122	65	Vertical
2	4824.0000	42.97	-12.37	30.60	54.00	23.40	175	226	Vertical
3	7236.0000	48.06	-5.74	42.32	74.00	31.68	324	277	Vertical
4	7236.0000	39.88	-5.74	34.14	54.00	19.86	195	166	Vertical
5	9648.0000	36.50	0.71	37.21	54.00	16.79	246	116	Vertical
6	9648.0000	44.47	0.71	45.18	74.00	28.82	333	44	Vertical

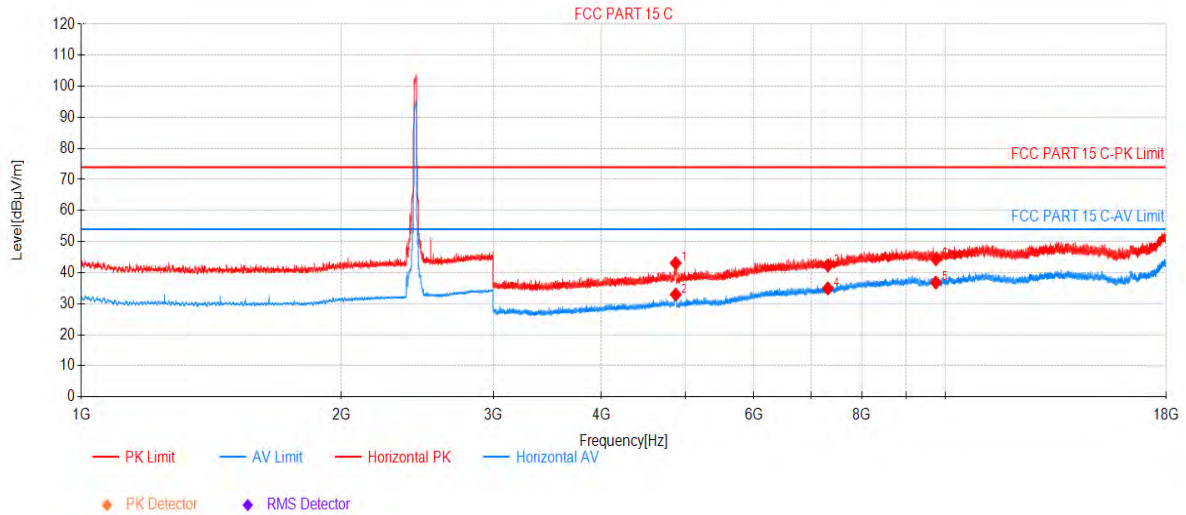


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### 802.11gEmission\_Channel 06



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	55.55	-12.47	43.08	74.00	30.92	169	357	Horizontal
2	4874.0000	45.42	-12.47	32.95	54.00	21.05	178	308	Horizontal
3	7311.0000	47.71	-5.40	42.31	74.00	31.69	249	308	Horizontal
4	7311.0000	40.34	-5.40	34.94	54.00	19.06	387	197	Horizontal
5	9748.0000	35.83	1.01	36.84	54.00	17.16	178	96	Horizontal
6	9748.0000	43.33	1.01	44.34	74.00	29.66	274	357	Horizontal

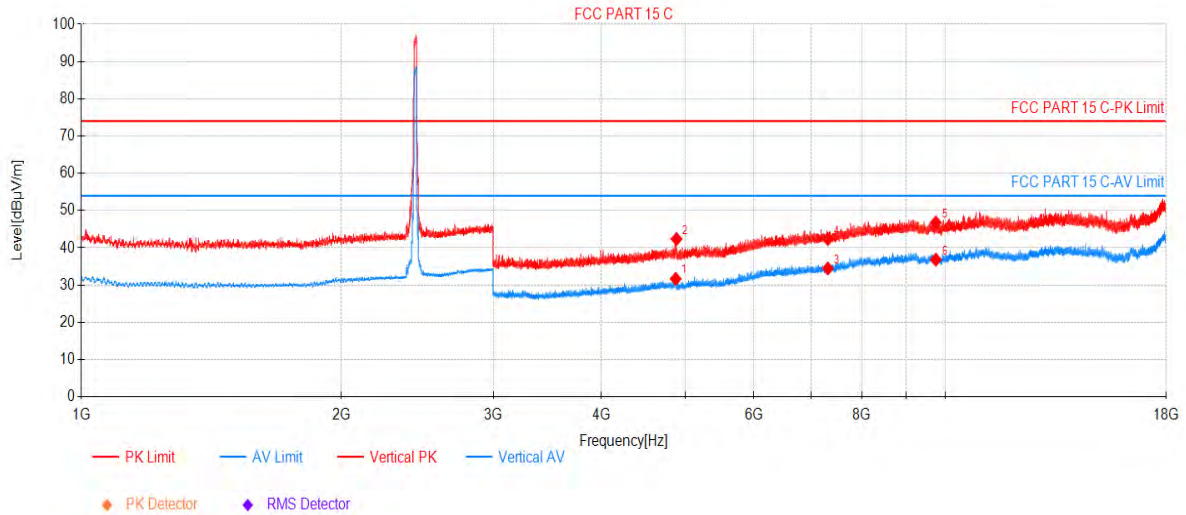


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### 802.11gEmission\_Channel 06



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	44.14	-12.47	31.67	54.00	22.33	387	107	Vertical
2	4885.0000	54.88	-12.49	42.39	74.00	31.61	178	107	Vertical
3	7311.0000	39.86	-5.40	34.46	54.00	19.54	326	126	Vertical
4	7311.0000	47.77	-5.40	42.37	74.00	31.63	246	237	Vertical
5	9748.0000	45.78	1.01	46.79	74.00	27.21	248	146	Vertical
6	9748.0000	35.83	1.01	36.84	54.00	17.16	245	307	Vertical



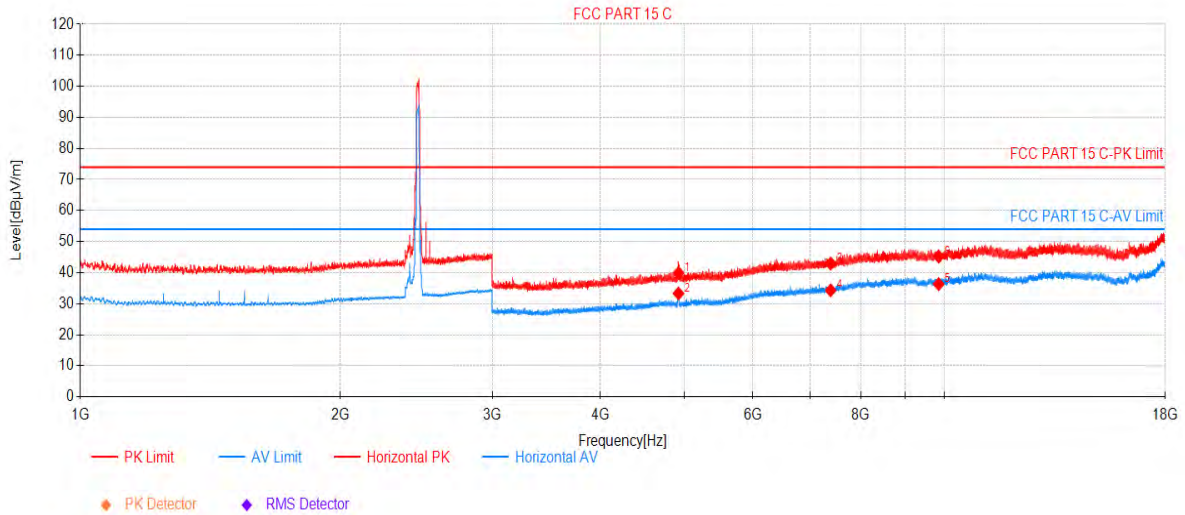
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### 802.11gEmission\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	52.38	-12.48	39.90	74.00	34.10	169	308	Horizontal
2	4924.0000	45.79	-12.48	33.31	54.00	20.69	175	9	Horizontal
3	7386.0000	48.43	-5.52	42.91	74.00	31.09	246	29	Horizontal
4	7386.0000	39.84	-5.52	34.32	54.00	19.68	287	266	Horizontal
5	9848.0000	35.18	1.14	36.32	54.00	17.68	198	108	Horizontal
6	9848.0000	44.09	1.14	45.23	74.00	28.77	122	7	Horizontal



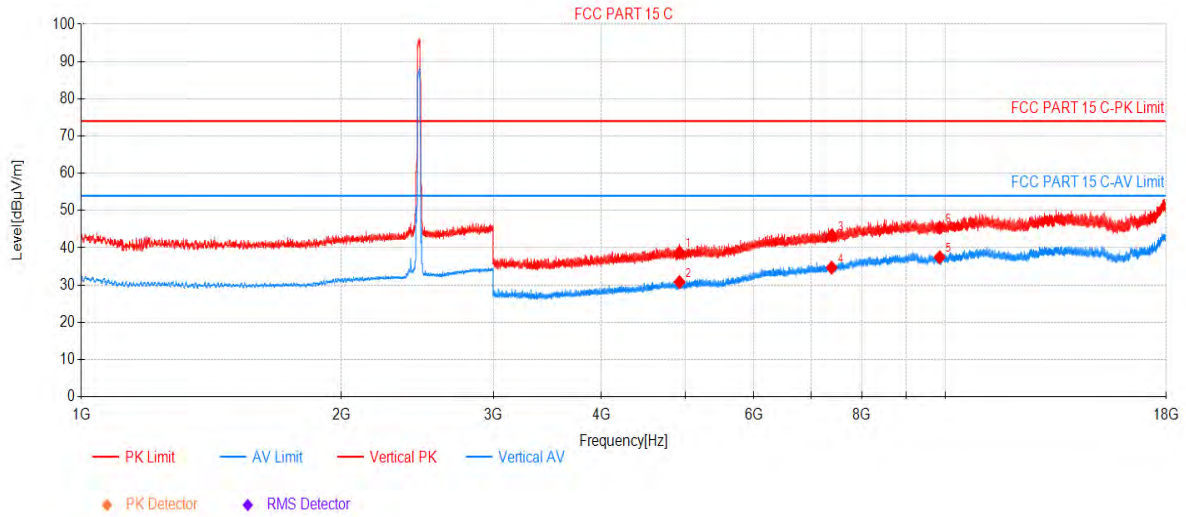
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### 802.11gEmission\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	51.25	-12.48	38.77	74.00	35.23	167	7	Vertical
2	4924.0000	43.29	-12.48	30.81	54.00	23.19	247	95	Vertical
3	7386.0000	48.83	-5.52	43.31	74.00	30.69	384	88	Vertical
4	7386.0000	40.21	-5.52	34.69	54.00	19.31	216	164	Vertical
5	9848.0000	36.34	1.14	37.48	54.00	16.52	321	67	Vertical
6	9848.0000	44.29	1.14	45.43	74.00	28.57	211	37	Vertical

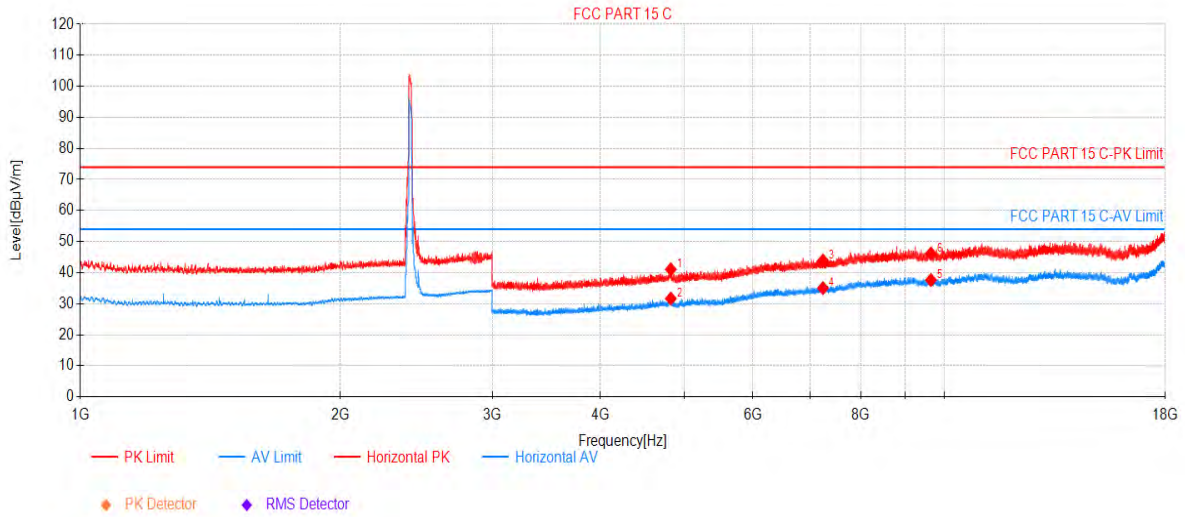


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### 802.11n20Emission\_Channel 01



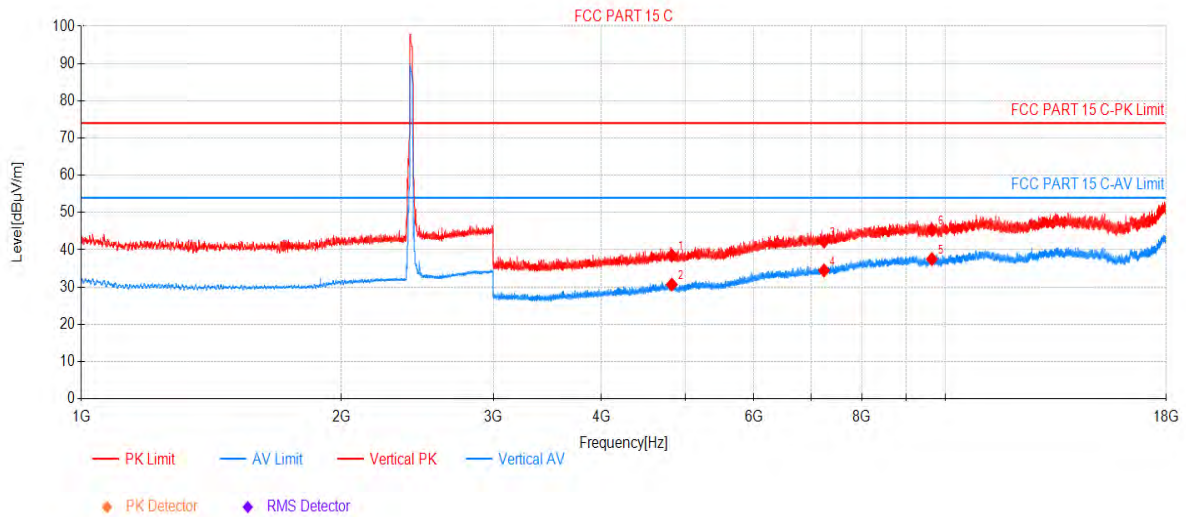
Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824.0000	53.43	-12.37	41.06	74.00	32.94	196	58	Horizontal
2	4824.0000	44.03	-12.37	31.66	54.00	22.34	276	96	Horizontal
3	7236.0000	49.64	-5.74	43.90	74.00	30.10	325	138	Horizontal
4	7236.0000	40.77	-5.74	35.03	54.00	18.97	246	77	Horizontal
5	9648.0000	36.91	0.71	37.62	54.00	16.38	246	127	Horizontal
6	9648.0000	45.45	0.71	46.16	74.00	27.84	315	127	Horizontal



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### 802.11n20Emission\_Channel 01



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824.0000	50.84	-12.37	38.47	74.00	35.53	168	106	Vertical
2	4824.0000	43.06	-12.37	30.69	54.00	23.31	175	246	Vertical
3	7236.0000	47.98	-5.74	42.24	74.00	31.76	324	216	Vertical
4	7236.0000	40.20	-5.74	34.46	54.00	19.54	126	146	Vertical
5	9648.0000	36.79	0.71	37.50	54.00	16.50	245	146	Vertical
6	9648.0000	44.59	0.71	45.30	74.00	28.70	294	66	Vertical



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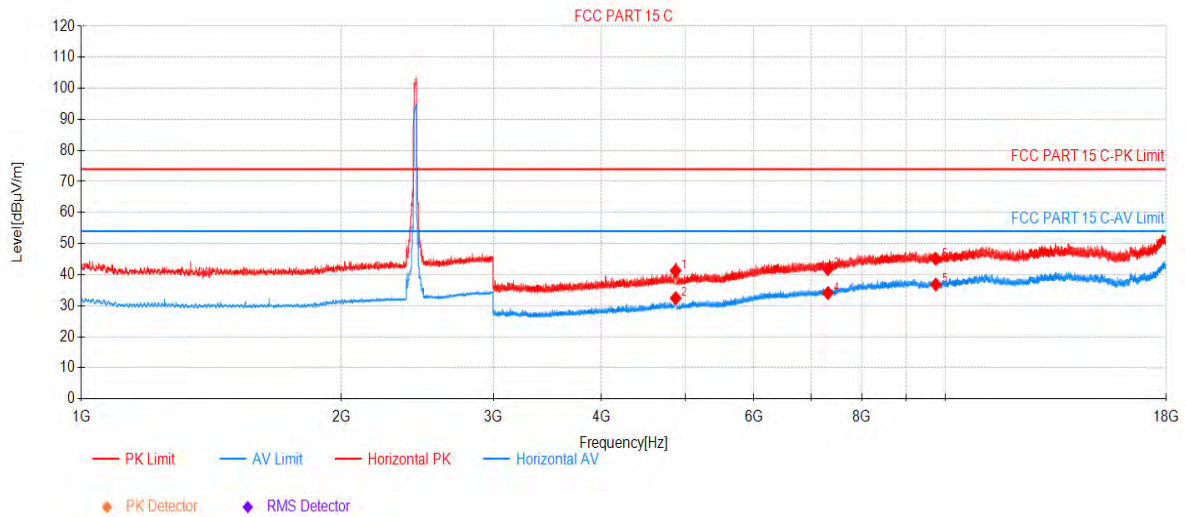
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802.11n20Emission\_Channel 06



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	53.76	-12.47	41.29	74.00	32.71	175	287	Horizontal
2	4874.0000	44.92	-12.47	32.45	54.00	21.55	146	338	Horizontal
4	7311.0000	39.47	-5.40	34.07	54.00	19.93	387	2	Horizontal
3	7311.0000	47.22	-5.40	41.82	74.00	32.18	247	156	Horizontal
5	9748.0000	35.80	1.01	36.81	54.00	17.19	269	36	Horizontal
6	9748.0000	44.10	1.01	45.11	74.00	28.89	244	36	Horizontal

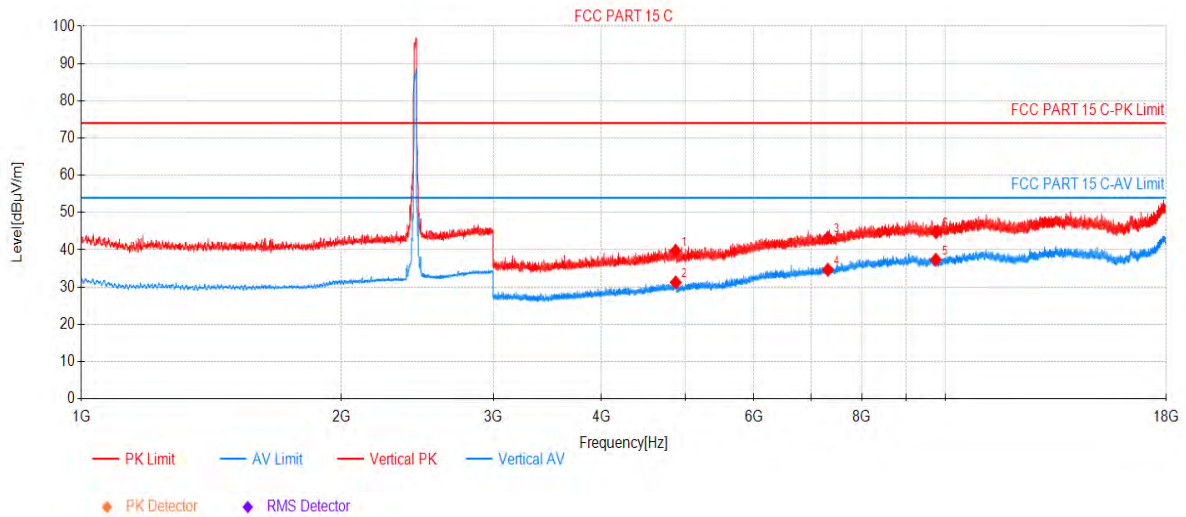


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802.11n20Emission\_Channel 06



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	52.20	-12.47	39.73	74.00	34.27	267	90	Vertical
2	4874.0000	43.72	-12.47	31.25	54.00	22.75	178	79	Vertical
3	7311.0000	48.67	-5.40	43.27	74.00	30.73	384	258	Vertical
4	7311.0000	40.04	-5.40	34.64	54.00	19.36	246	70	Vertical
5	9748.0000	36.34	1.01	37.35	54.00	16.65	255	69	Vertical
6	9748.0000	43.74	1.01	44.75	74.00	29.25	211	287	Vertical

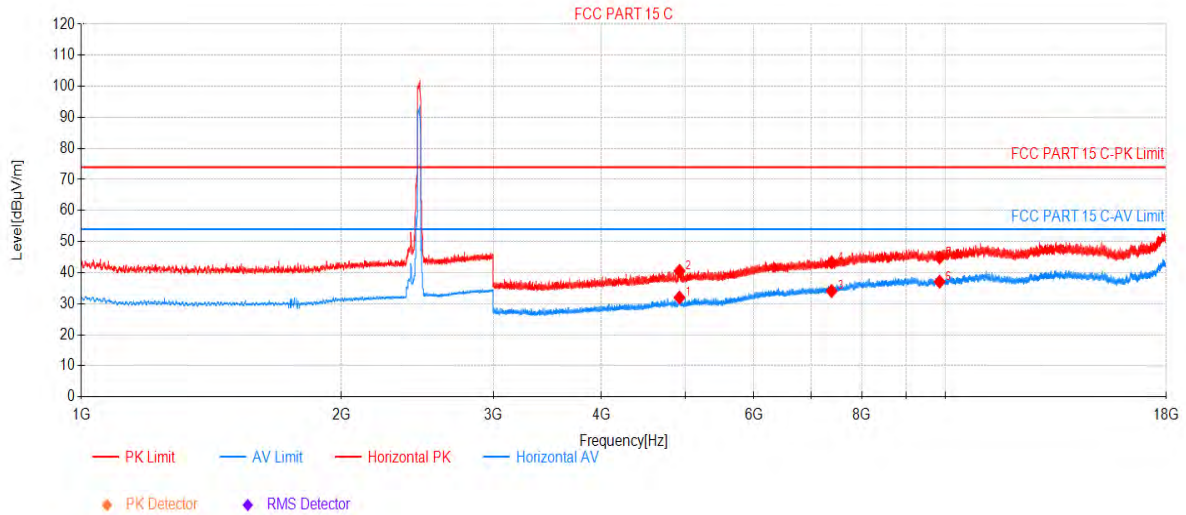


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### 802.11n20Emission\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	44.46	-12.48	31.98	54.00	22.02	362	357	Horizontal
2	4924.0000	53.03	-12.48	40.55	74.00	33.45	186	357	Horizontal
3	7386.0000	39.61	-5.52	34.09	54.00	19.91	246	145	Horizontal
4	7386.0000	48.83	-5.52	43.31	74.00	30.69	278	286	Horizontal
5	9848.0000	43.72	1.14	44.86	74.00	29.14	145	327	Horizontal
6	9848.0000	35.94	1.14	37.08	54.00	16.92	217	145	Horizontal

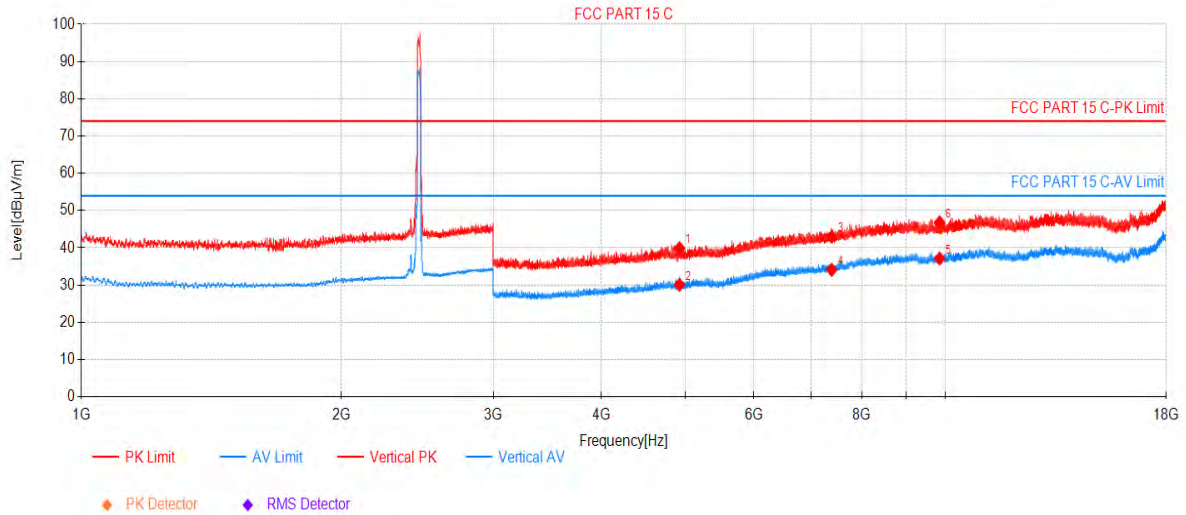


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### 802.11n20Emission\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	52.36	-12.48	39.88	74.00	34.12	268	95	Vertical
2	4924.0000	42.55	-12.48	30.07	54.00	23.93	172	95	Vertical
3	7386.0000	48.51	-5.52	42.99	74.00	31.01	354	225	Vertical
4	7386.0000	39.61	-5.52	34.09	54.00	19.91	278	126	Vertical
5	9848.0000	36.00	1.14	37.14	54.00	16.86	268	247	Vertical
6	9848.0000	45.69	1.14	46.83	74.00	27.17	154	298	Vertical



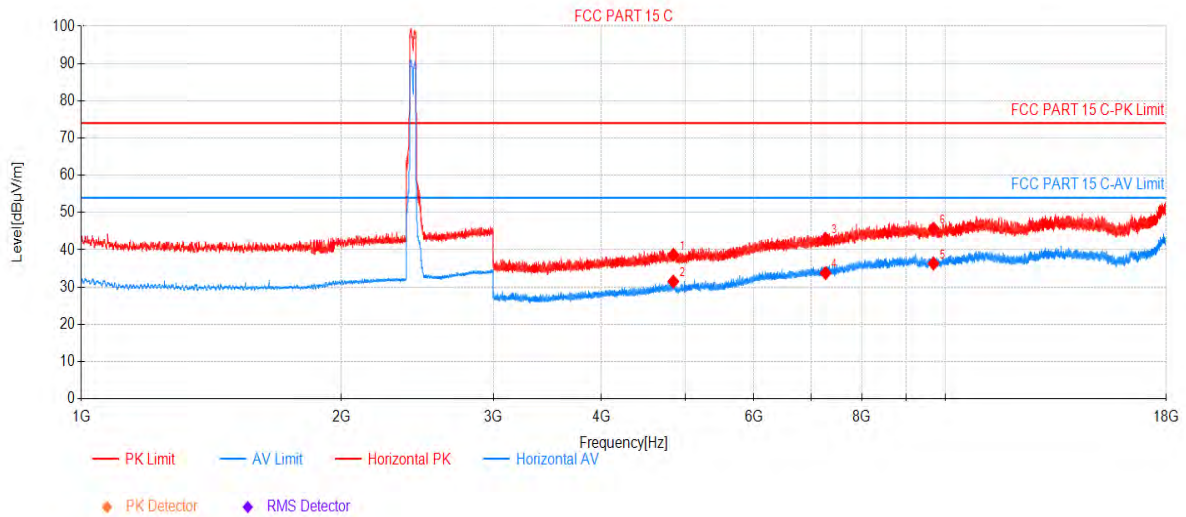
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### 802.11n40Emission\_Channel 03



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4844.0000	51.09	-12.41	38.68	74.00	35.32	169	175	Horizontal
2	4844.0000	43.90	-12.41	31.49	54.00	22.51	243	15	Horizontal
3	7266.0000	48.56	-5.57	42.99	74.00	31.01	287	247	Horizontal
4	7266.0000	39.33	-5.57	33.76	54.00	20.24	386	237	Horizontal
5	9688.0000	35.38	0.94	36.32	54.00	17.68	148	318	Horizontal
6	9688.0000	44.73	0.94	45.67	74.00	28.33	324	264	Horizontal



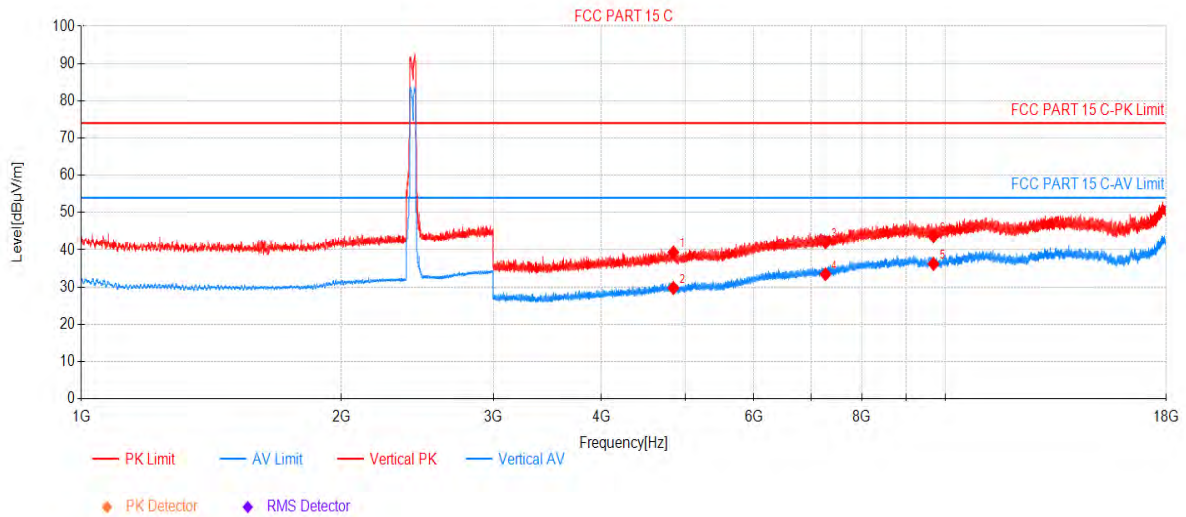
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802.11n40Emission\_Channel 03



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4844.0000	51.72	-12.41	39.31	74.00	34.69	163	46	Vertical
2	4844.0000	42.17	-12.41	29.76	54.00	24.24	276	268	Vertical
3	7266.0000	47.55	-5.57	41.98	74.00	32.02	248	337	Vertical
4	7266.0000	39.01	-5.57	33.44	54.00	20.56	315	96	Vertical
5	9688.0000	35.28	0.94	36.22	54.00	17.78	278	105	Vertical
6	9688.0000	42.71	0.94	43.65	74.00	30.35	331	16	Vertical

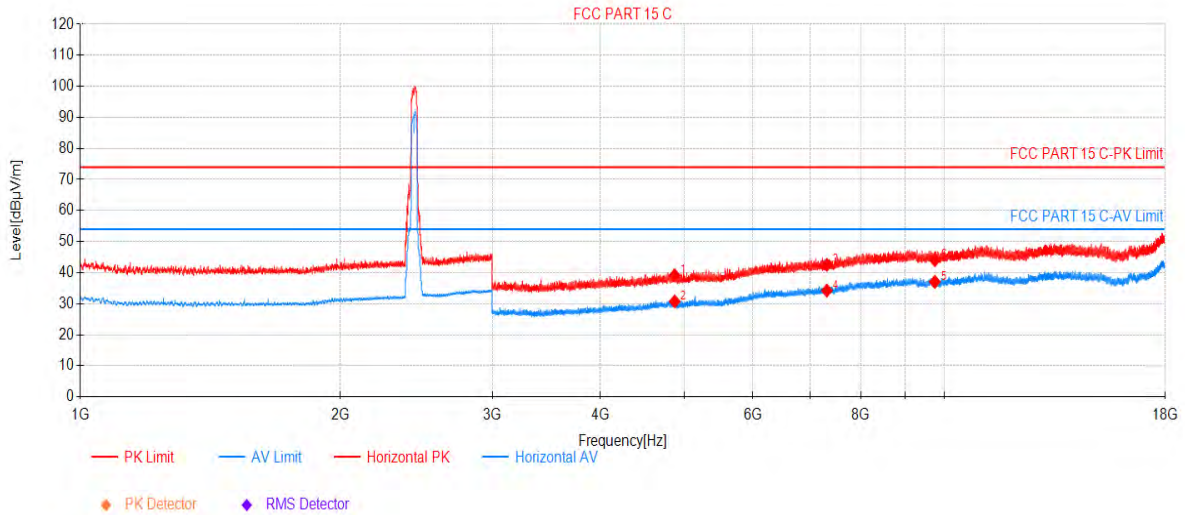


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802.11n40Emission\_Channel 06



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	51.57	-12.47	39.10	74.00	34.90	196	56	Horizontal
2	4874.0000	43.21	-12.47	30.74	54.00	23.26	276	186	Horizontal
3	7311.0000	47.93	-5.40	42.53	74.00	31.47	382	174	Horizontal
4	7311.0000	39.65	-5.40	34.25	54.00	19.75	145	258	Horizontal
5	9748.0000	36.03	1.01	37.04	54.00	16.96	247	267	Horizontal
6	9748.0000	43.04	1.01	44.05	74.00	29.95	268	317	Horizontal

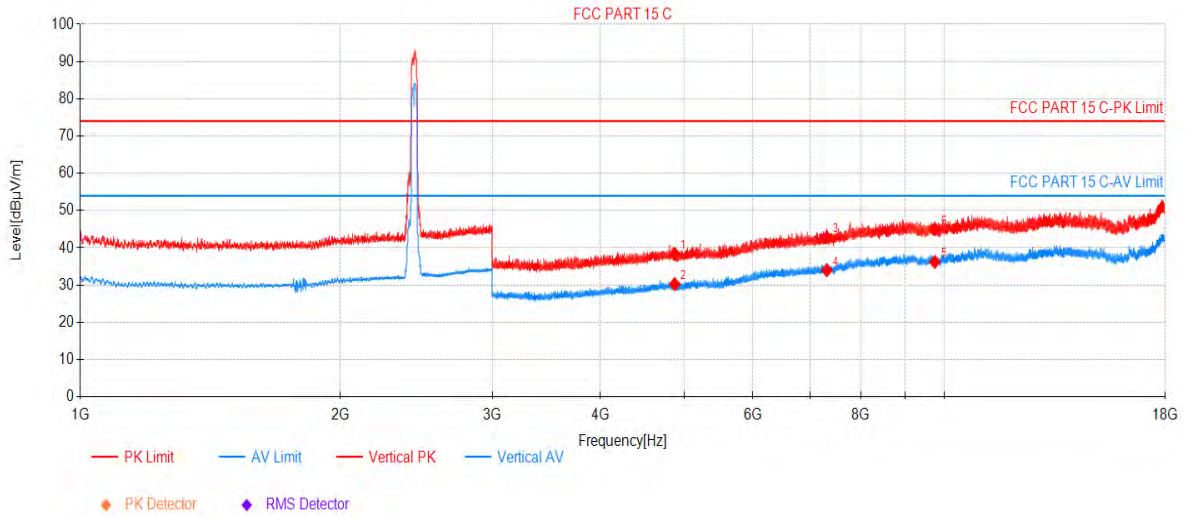


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802.11n40Emission\_Channel 06



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	50.86	-12.47	38.39	74.00	35.61	269	107	Vertical
2	4874.0000	42.71	-12.47	30.24	54.00	23.76	374	107	Vertical
3	7311.0000	48.24	-5.40	42.84	74.00	31.16	286	96	Vertical
4	7311.0000	39.39	-5.40	33.99	54.00	20.01	185	268	Vertical
5	9748.0000	35.21	1.01	36.22	54.00	17.78	264	137	Vertical
6	9748.0000	43.96	1.01	44.97	74.00	29.03	324	297	Vertical



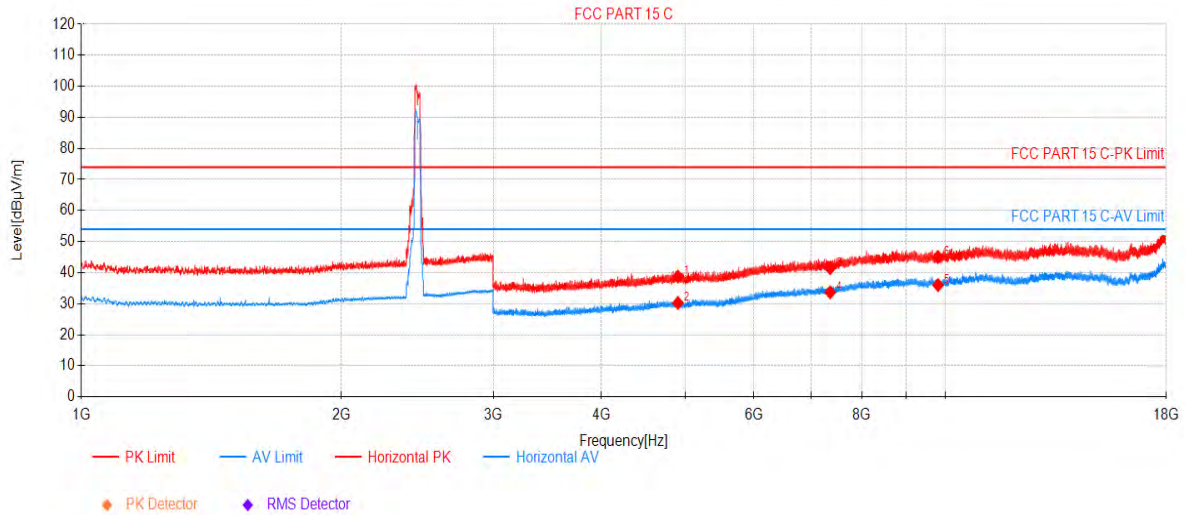
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### 802.11n40Emission\_Channel 09



Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4904.0000	51.24	-12.51	38.73	74.00	35.27	268	267	Horizontal
2	4904.0000	42.76	-12.51	30.25	54.00	23.75	175	136	Horizontal
3	7356.0000	46.93	-5.47	41.46	74.00	32.54	284	106	Horizontal
4	7356.0000	39.12	-5.47	33.65	54.00	20.35	324	267	Horizontal
5	9808.0000	34.97	1.04	36.01	54.00	17.99	244	6	Horizontal
6	9808.0000	43.98	1.04	45.02	74.00	28.98	118	207	Horizontal



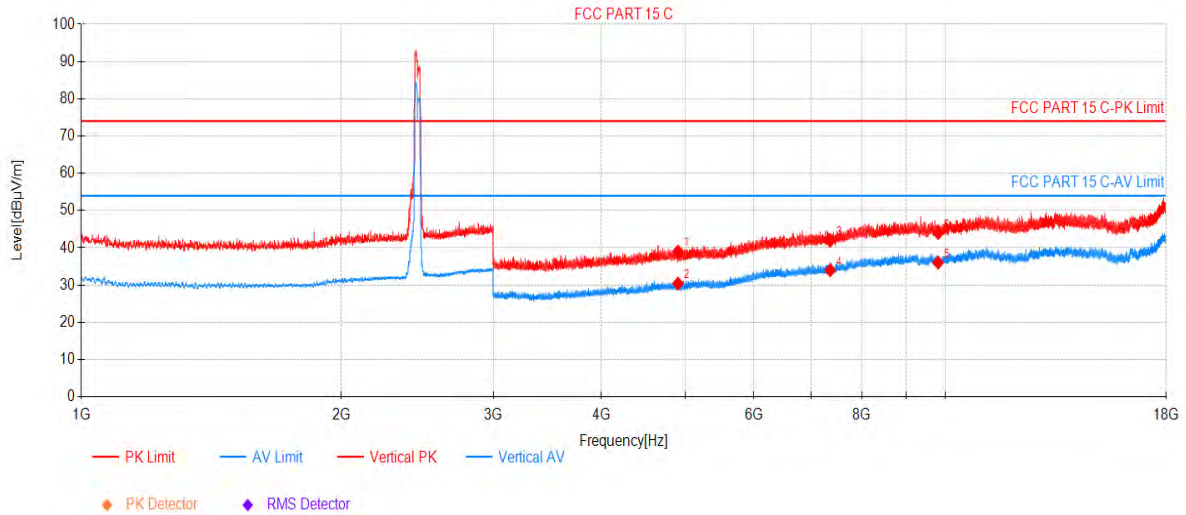
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### 802.11n40Emission\_Channel 09



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4904.0000	51.50	-12.51	38.99	74.00	35.01	169	226	Vertical
2	4904.0000	42.92	-12.51	30.41	54.00	23.59	246	105	Vertical
3	7356.0000	47.38	-5.47	41.91	74.00	32.09	384	332	Vertical
4	7356.0000	39.46	-5.47	33.99	54.00	20.01	274	68	Vertical
5	9808.0000	34.99	1.04	36.03	54.00	17.97	145	116	Vertical
6	9808.0000	42.91	1.04	43.95	74.00	30.05	221	357	Vertical



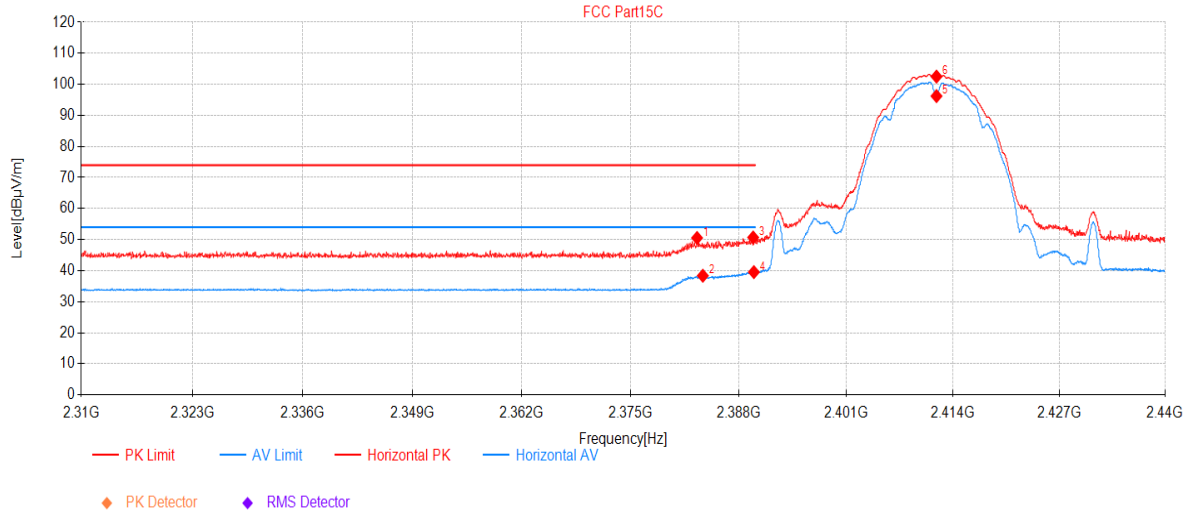
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### Restricted bands around fundamental frequency

### 802.11bBand\_EDGE\_Channel 01



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2382.9977	47.32	3.23	50.55	74.00	23.45	113	63	Horizontal
2	2383.6912	35.15	3.23	38.38	54.00	15.62	113	63	Horizontal
3	2389.7599	47.46	3.26	50.72	74.00	23.28	113	63	Horizontal
4	2389.8466	36.27	3.26	39.53	54.00	14.47	113	63	Horizontal
5	2412.0000	92.83	3.39	96.22	53.93	-42.29	113	63	Horizontal
6	2412.0000	99.12	3.39	102.51	73.90	-28.61	113	63	Horizontal



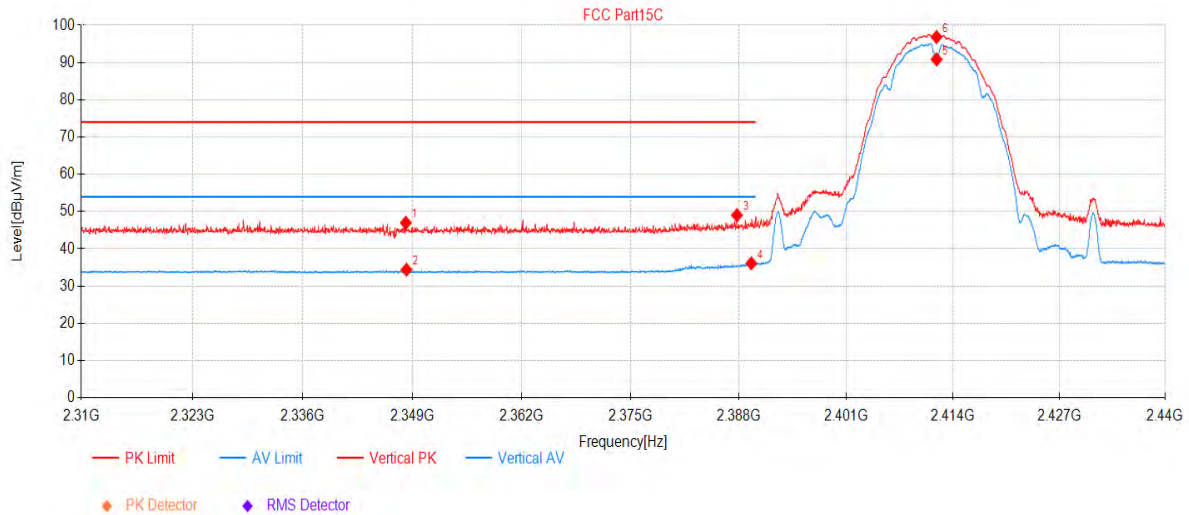
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### 802.11bBand\_EDGE\_Channel 01



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2348.1894	43.89	3.08	46.97	74.00	27.03	332	116	Vertical
2	2348.2761	31.31	3.08	34.39	54.00	19.61	332	116	Vertical
3	2387.8093	45.79	3.25	49.04	74.00	24.96	332	116	Vertical
4	2389.5432	32.84	3.26	36.10	54.00	17.90	332	116	Vertical
5	2412.0000	87.45	3.39	90.84	53.93	-36.91	332	116	Vertical
6	2412.0000	93.46	3.39	96.85	73.90	-22.95	332	116	Vertical

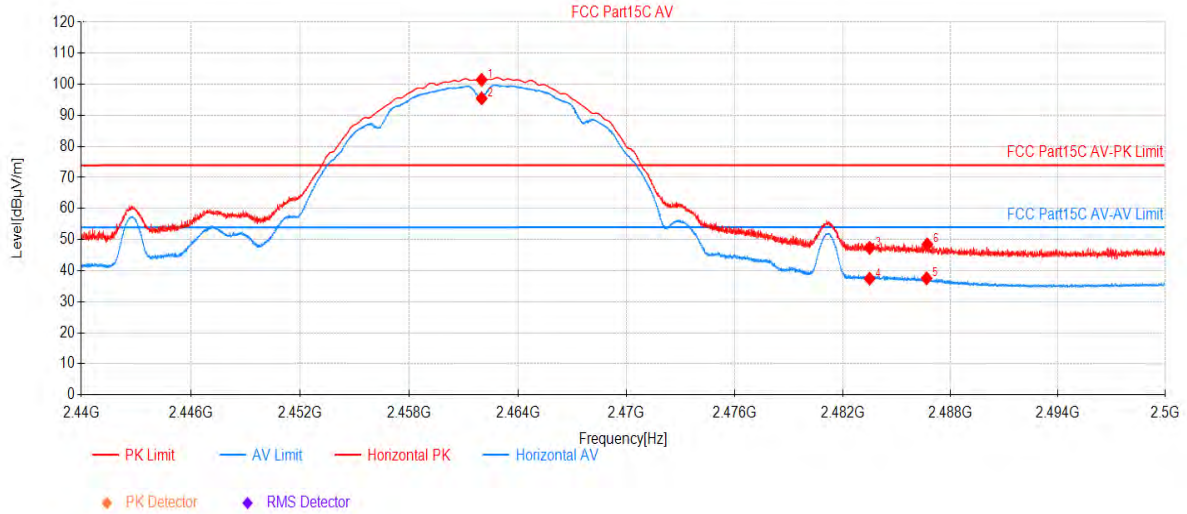


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### 802.11bBand\_EDGE\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	97.69	3.75	101.44	73.97	-27.47	115	65	Horizontal
2	2462.0000	91.73	3.75	95.48	53.98	-41.50	115	65	Horizontal
3	2483.5000	43.42	3.91	47.33	74.00	26.67	115	65	Horizontal
4	2483.5000	33.49	3.91	37.40	54.00	16.60	115	65	Horizontal
5	2486.6725	33.60	3.93	37.53	54.00	16.47	115	65	Horizontal
6	2486.7175	44.56	3.93	48.49	74.00	25.51	115	65	Horizontal



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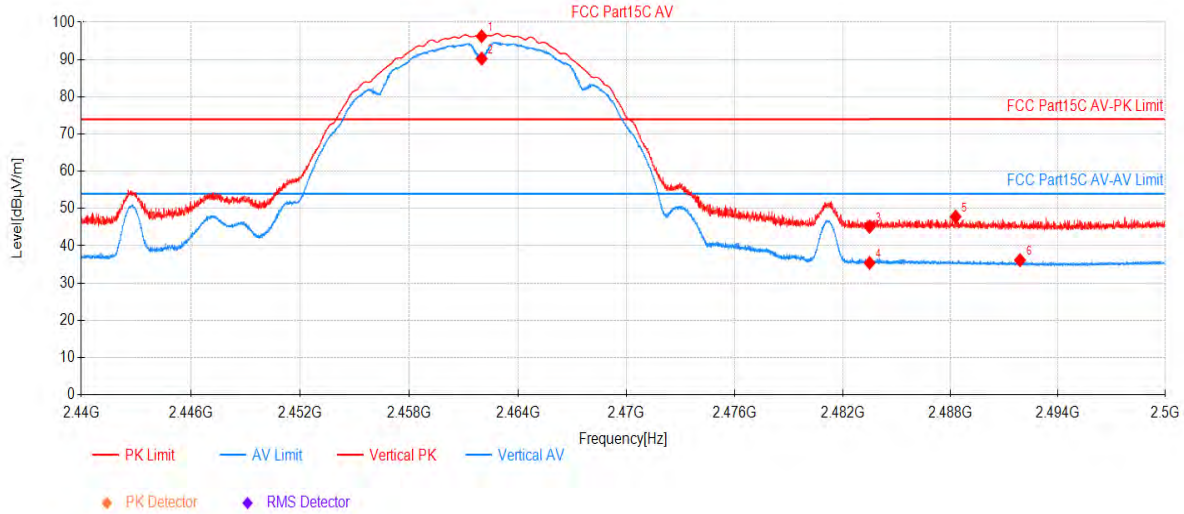
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### 802.11bBand\_EDGE\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	92.49	3.75	96.24	73.97	-22.27	332	111	Vertical
2	2462.0000	86.50	3.75	90.25	53.98	-36.27	332	111	Vertical
3	2483.5000	41.20	3.91	45.11	74.00	28.89	332	111	Vertical
4	2483.5000	31.49	3.91	35.40	54.00	18.60	332	111	Vertical
5	2488.2925	43.87	3.94	47.81	74.00	26.19	332	111	Vertical
6	2491.8850	32.16	3.97	36.13	54.00	17.87	332	111	Vertical



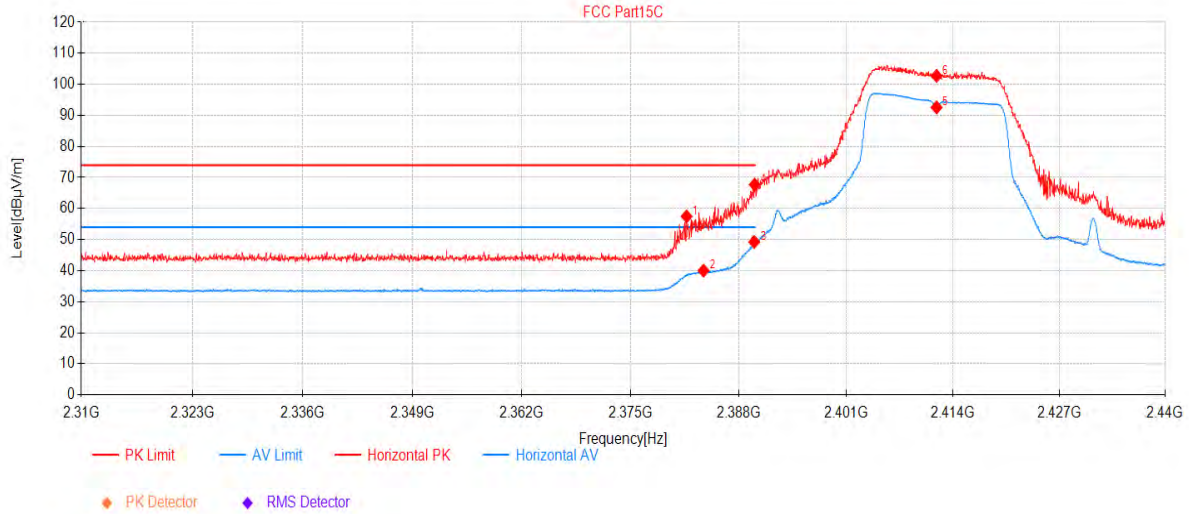
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### 802.11gBand\_EDGE\_Channel 01



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2381.7406	54.26	3.22	57.48	74.00	16.52	111	65	Horizontal
2	2383.7779	36.78	3.23	40.01	54.00	13.99	111	65	Horizontal
3	2389.8900	45.99	3.26	49.25	54.00	4.75	111	65	Horizontal
4	2389.9333	64.44	3.26	67.70	74.00	6.30	111	65	Horizontal
5	2412.0000	89.19	3.39	92.58	53.93	-38.65	111	65	Horizontal
6	2412.0000	99.35	3.39	102.74	73.90	-28.84	111	65	Horizontal



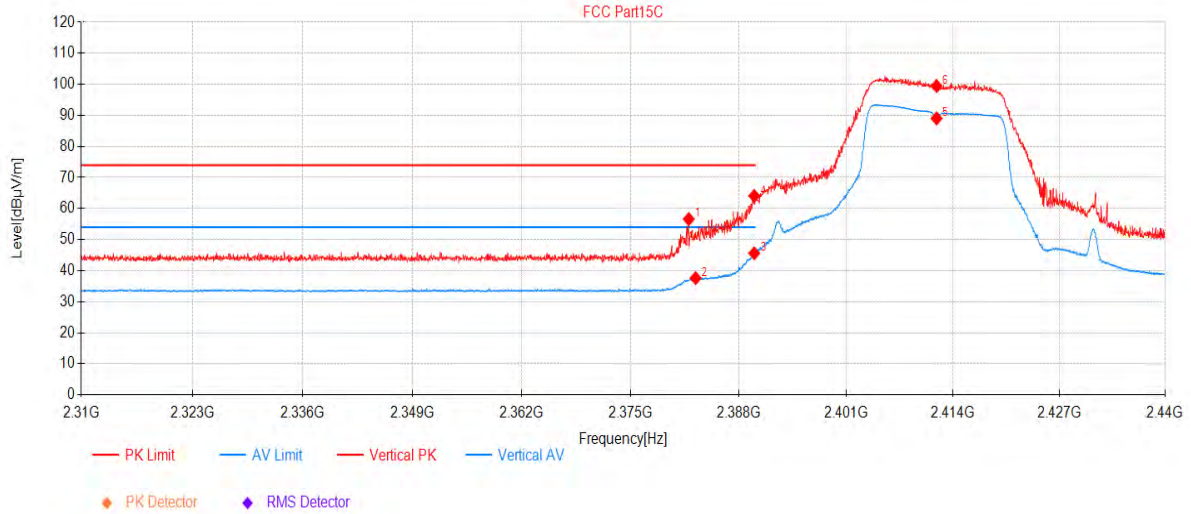
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### 802.11gBand\_EDGE\_Channel 01



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2382.0007	53.39	3.22	56.61	74.00	17.39	365	104	Vertical
2	2382.8243	34.35	3.23	37.58	54.00	16.42	365	104	Vertical
3	2389.8900	42.35	3.26	45.61	54.00	8.39	365	104	Vertical
4	2389.8900	60.81	3.26	64.07	74.00	9.93	365	104	Vertical
5	2412.0000	85.66	3.39	89.05	53.93	-35.12	365	104	Vertical
6	2412.0000	96.10	3.39	99.49	73.90	-25.59	365	104	Vertical



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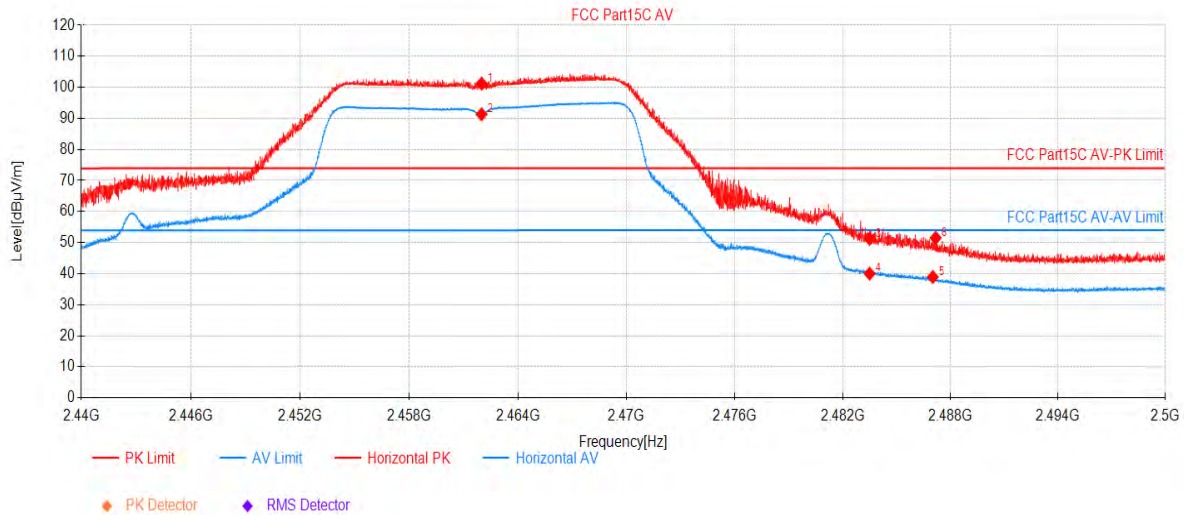
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### 802.11gBand\_EDGE\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	97.47	3.75	101.22	73.97	-27.25	112	68	Horizontal
2	2462.0000	87.57	3.75	91.32	53.98	-37.34	112	68	Horizontal
3	2483.5000	47.30	3.91	51.21	74.00	22.79	112	68	Horizontal
4	2483.5000	36.12	3.91	40.03	54.00	13.97	112	68	Horizontal
5	2487.0250	35.00	3.94	38.94	54.00	15.06	112	68	Horizontal
6	2487.1825	47.59	3.94	51.53	74.00	22.47	112	68	Horizontal



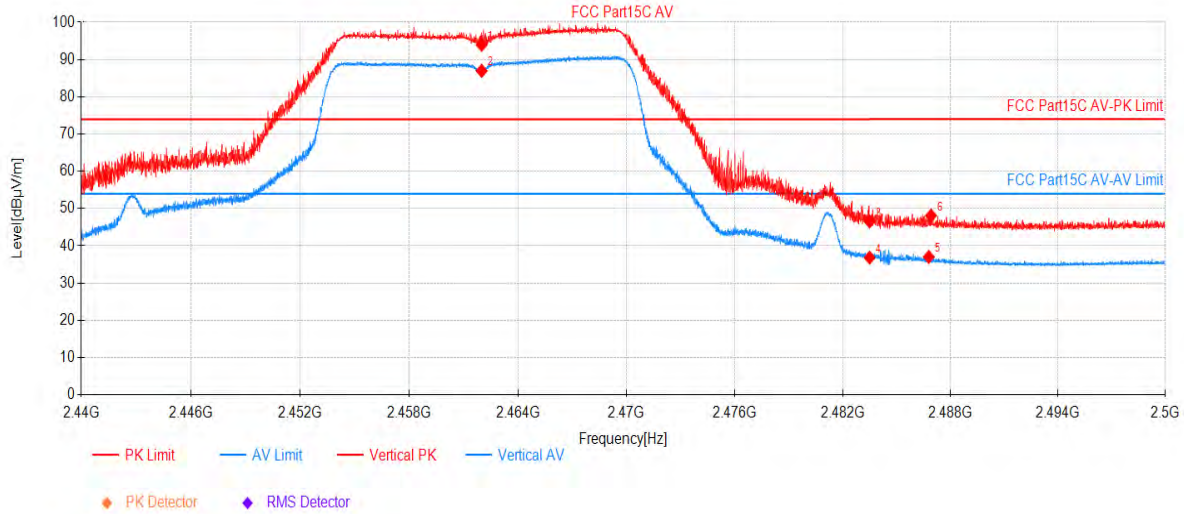
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### 802.11gBand\_EDGE\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	90.18	3.75	93.93	73.97	-19.96	338	109	Vertical
2	2462.0000	83.22	3.75	86.97	53.98	-32.99	338	109	Vertical
3	2483.5000	42.61	3.91	46.52	74.00	27.48	338	109	Vertical
4	2483.5000	32.93	3.91	36.84	54.00	17.16	338	109	Vertical
5	2486.8000	33.10	3.93	37.03	54.00	16.97	338	109	Vertical
6	2486.9275	44.19	3.93	48.12	74.00	25.88	338	109	Vertical

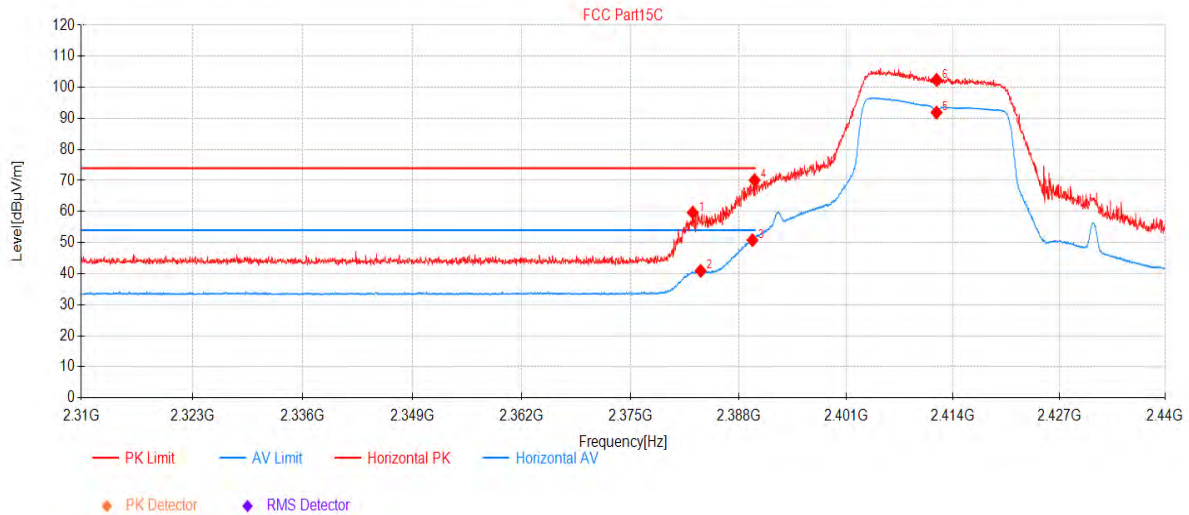


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### 802.11n20Band\_EDGE\_Channel 01



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2382.4775	56.47	3.23	59.70	74.00	14.30	115	58	Horizontal
2	2383.4311	37.67	3.23	40.90	54.00	13.10	115	58	Horizontal
3	2389.6732	47.54	3.26	50.80	54.00	3.20	115	58	Horizontal
4	2389.9333	66.85	3.26	70.11	74.00	3.89	115	58	Horizontal
5	2412.0000	88.51	3.39	91.90	53.93	-37.97	115	58	Horizontal
6	2412.0000	99.00	3.39	102.39	73.90	-28.49	115	58	Horizontal



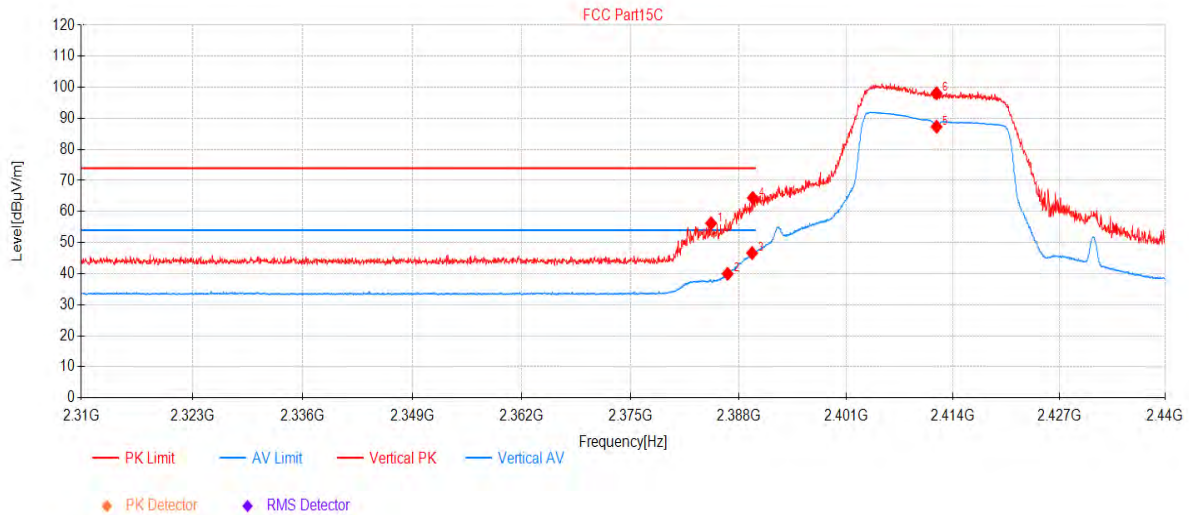
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### 802.11n20Band\_EDGE\_Channel 01



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2384.6882	52.99	3.24	56.23	74.00	17.77	323	100	Vertical
2	2386.6822	36.71	3.24	39.95	54.00	14.05	323	100	Vertical
3	2389.6299	43.38	3.26	46.64	54.00	7.36	323	100	Vertical
4	2389.7166	61.14	3.26	64.40	74.00	9.60	323	100	Vertical
5	2412.0000	83.93	3.39	87.32	53.93	-33.39	323	100	Vertical
6	2412.0000	94.70	3.39	98.09	73.90	-24.19	323	100	Vertical



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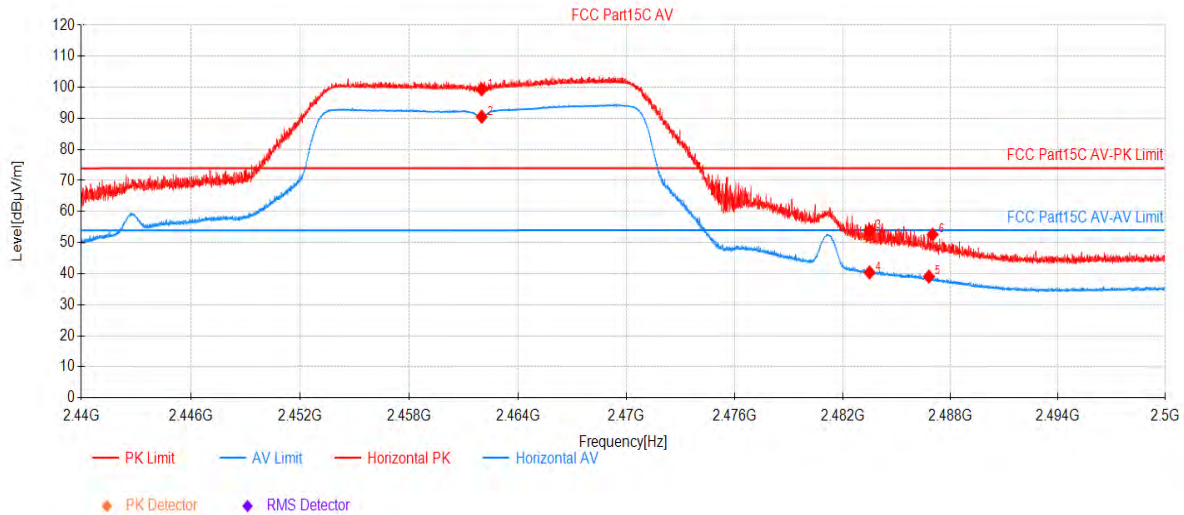
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### 802.11n20Band\_EDGE\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	95.57	3.75	99.32	73.97	-25.35	106	76	Horizontal
2	2462.0000	86.77	3.75	90.52	53.98	-36.54	106	76	Horizontal
3	2483.5000	49.91	3.91	53.82	74.00	20.18	106	76	Horizontal
4	2483.5000	36.46	3.91	40.37	54.00	13.63	106	76	Horizontal
5	2486.8075	35.12	3.93	39.05	54.00	14.95	106	76	Horizontal
6	2487.0100	48.68	3.94	52.62	74.00	21.38	106	76	Horizontal



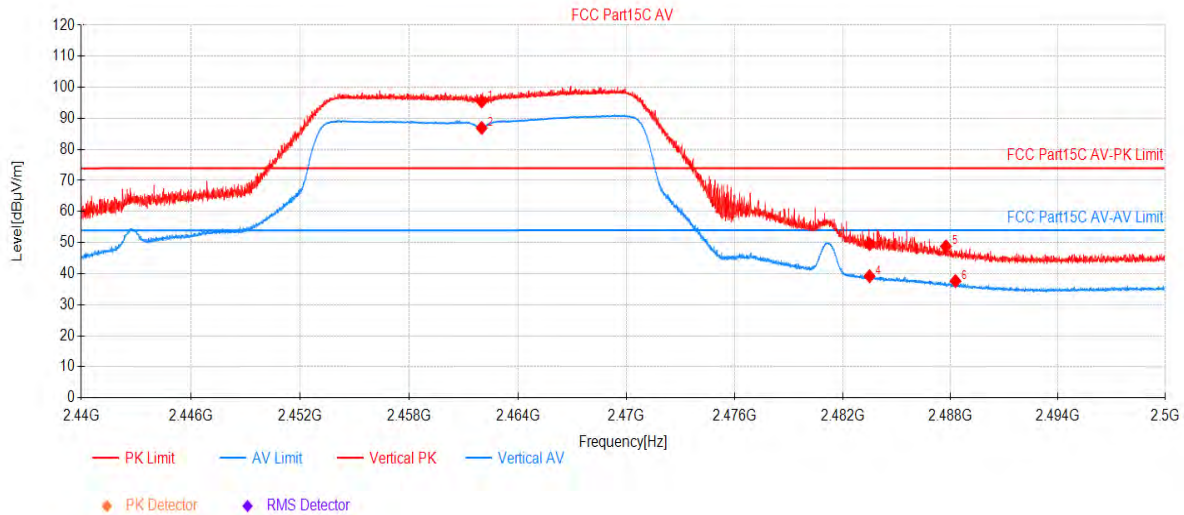
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### 802.11n20Band\_EDGE\_Channel 11



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2462.0000	91.69	3.75	95.44	73.97	-21.47	389	109	Vertical
2	2462.0000	83.18	3.75	86.93	53.98	-32.95	389	109	Vertical
3	2483.5000	45.63	3.91	49.54	74.00	24.46	389	109	Vertical
4	2483.5000	35.27	3.91	39.18	54.00	14.82	389	109	Vertical
5	2487.7525	44.87	3.94	48.81	74.00	25.19	389	109	Vertical
6	2488.2850	33.66	3.94	37.60	54.00	16.40	389	109	Vertical



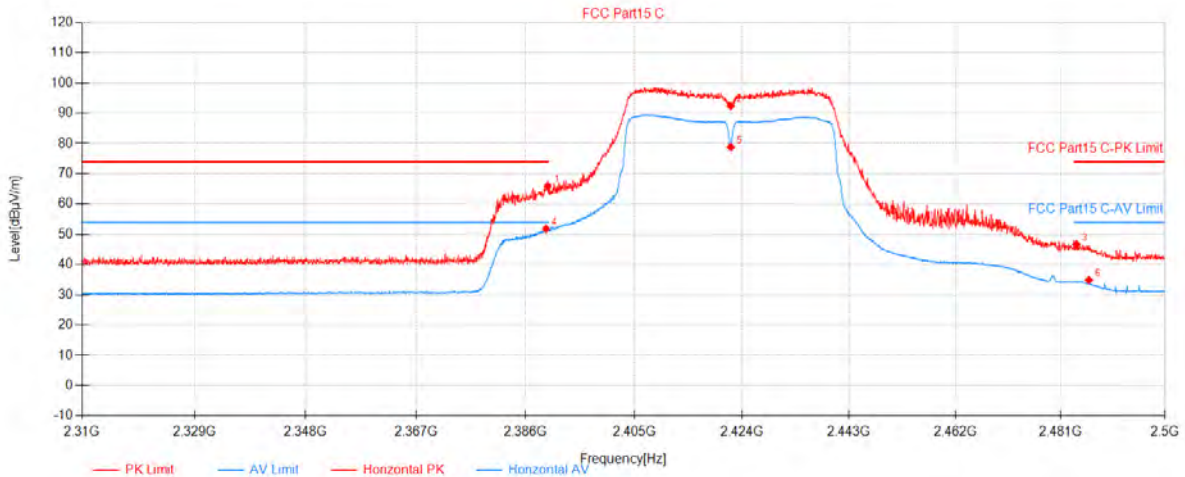
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### 802.11n40Band\_EDGE\_Channel 03



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.8633	62.86	3.07	65.93	74.00	8.07	110	70	Horizontal
2	2422	89.18	3.21	92.39	73.91	-18.48	110	70	Horizontal
3	2483.86	43.04	3.60	46.64	74.00	27.36	110	70	Horizontal
4	2389.56	48.73	3.07	51.80	54.00	2.20	110	70	Horizontal
5	2422	75.63	3.21	78.84	53.94	-24.90	110	70	Horizontal
6	2486.14	31.23	3.61	34.84	54.00	19.16	110	70	Horizontal

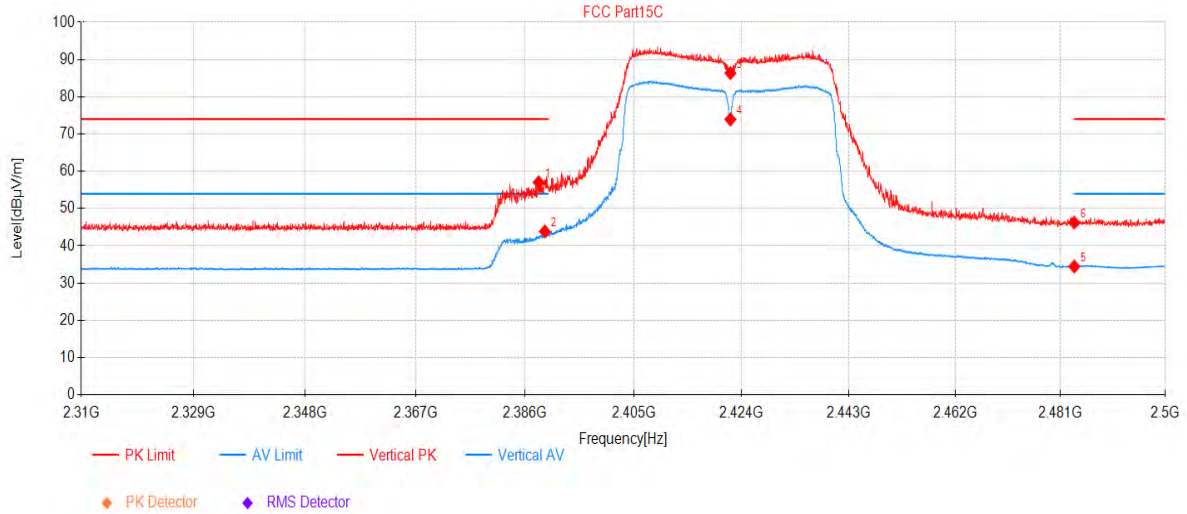


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### 802.11n40Band\_EDGE\_Channel 03



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.3728	53.78	3.25	57.03	74.00	16.97	336	112	Vertical
2	2389.4565	40.61	3.26	43.87	54.00	10.13	336	112	Vertical
3	2422.0000	82.91	3.46	86.37	73.91	-12.46	336	112	Vertical
4	2422.0000	70.48	3.46	73.94	53.94	-20.00	336	112	Vertical
5	2483.5000	30.54	3.91	34.45	54.00	19.55	336	112	Vertical
6	2483.5000	42.30	3.91	46.21	74.00	27.79	336	112	Vertical



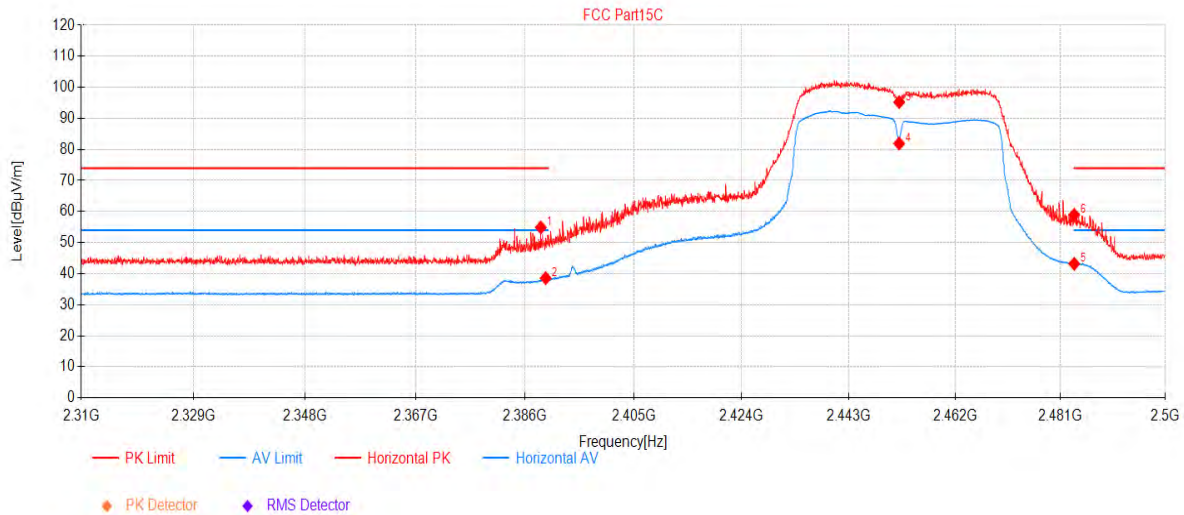
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### 802.11n40Band\_EDGE\_Channel 09



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2388.7629	51.64	3.25	54.89	74.00	19.11	113	74	Horizontal
2	2389.5865	35.30	3.26	38.56	54.00	15.44	113	74	Horizontal
3	2452.0000	91.56	3.68	95.24	73.96	-21.28	113	74	Horizontal
4	2452.0000	78.24	3.68	81.92	53.97	-27.95	113	74	Horizontal
5	2483.5000	39.27	3.91	43.18	54.00	10.82	113	74	Horizontal
6	2483.5000	55.03	3.91	58.94	74.00	15.06	113	74	Horizontal



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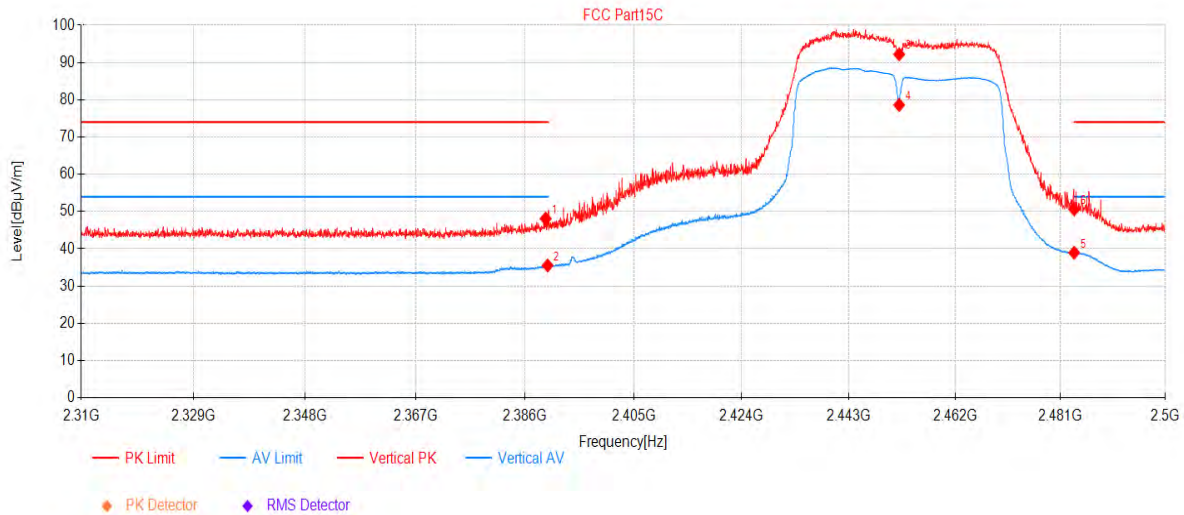
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802.11n40Band\_EDGE\_Channel 09



Data List									
NO.	Frequency [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2389.5865	44.83	3.26	48.09	74.00	25.91	352	105	Vertical
2	2389.9333	32.26	3.26	35.52	54.00	18.48	352	105	Vertical
3	2452.0000	88.53	3.68	92.21	73.96	-18.25	352	105	Vertical
4	2452.0000	74.93	3.68	78.61	53.97	-24.64	352	105	Vertical
5	2483.5000	35.04	3.91	38.95	54.00	15.05	352	105	Vertical
6	2483.5000	46.66	3.91	50.57	74.00	23.43	352	105	Vertical

The End



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