TEST REPORT

Reference No.	:	WTS15S0831904-1E
FCC ID.....	:	2AFOYLBA-048-CH
Applicant	:	Le Shi Zhi Xin Electronic Technology（Tian jin） Limited
Address	:	201-427 2F B1 District, Anime building,No.126 Anime Middle Road, Eco-city Tianjin, China
Manufacturer	:	Panodic Electric(ShenZhen) Limited
Address	:	C/D Block, Zhengchangda ind.Park, Jian'an Road, Tangwei, FuYong, Baoan Dist., ShenZhen, China
Product Name	:	Letv Box
Model No.	:	LBA-048-CH
Brand	:	Letv
Standards.....	:	FCC CFR47 Part 15 C Section 15.247:2014
Date of Receipt sample.....	:	Jul. 22, 2015
Date of Test.....	:	Jul. 22, 2015 – Aug. 12, 2015
Date of Issue	:	Aug. 17, 2015
Test Result	:	**Pass**

Remarks:
The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company.
The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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2 Test Summary

Test Items	Test Requirement	Result
Conducted Emissions	15.207(a)	PASS
Radiated Emissions	15.247 15.205(a) 15.209(a)	PASS
6dB Bandwidth	15.247(a)(2)	PASS
Maximum Peak Output Power	15.247(b)(3),(4)	PASS
Power Spectral Density	15.247(e)	PASS
Band Edge	15.247(d)	PASS
Antenna Requirement	15.203	PASS
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS

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4 General Information

4.1 General Description of E.U.T.

Product Name:	Letv Box
Model No.:	LBA-048-CH
Model Description:	N/A
Operation Frequency:	802.11b/g/n(HT20): 2412MHz ~ 2462MHz, 802.11a/ n(HT20/40): 5150MHz to 5250MHz 802.11a/ n(HT20/40): 5725MHz to 5850MHz
The Lowest Oscillator:	32.768kHz
Antenna Gain:	For 2.4G :2.0dBi For 5G: 2.0dBi
Type of modulation:	802.11b (CCK/QPSK/BPSK) 802.11g (BPSK/QPSK/16QAM/64QAM) 802.11a: OFDM(BPSK/QPSK/16QAM/64QAM) 802.11n : OFDM(BPSK/QPSK/16QAM/64QAM)
Number of transmitter chains	2*2 (MIMO)

4.2 Details of E.U.T.

Technical Data:	DC 12V, 3.0A
Adapter	AC100-240V 50-60Hz 1.5A

4.3 Channel List

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1	2412	2	2417	3	2422	4	2427
5	2432	6	2437	7	2442	8	2447
9	2452	10	2457	11	2462	12	-

4.4 Test Mode

Table 1 Tests Carried Out Under FCC part 15.247

Test Items	Mode	Data Rate	Channel	TX/RX
Maximum Peak Output Power	802.11b	11 Mbps	1/6/11	TX
	802.11g	54 Mbps	1/6/11	TX
	802.11n HT20	108 Mbps	1/6/11	TX
Power Spectral Density	802.11b	11 Mbps	1/6/11	TX
	802.11g	54 Mbps	1/6/11	TX
	802.11n HT20	108 Mbps	1/6/11	TX
Frequency Range	802.11b	11 Mbps	1/11	TX
	802.11g	54 Mbps	1/11	TX
	802.11n HT20	108 Mbps	1/11	TX
Transmitter Spurious Emissions	802.11b	11 Mbps	1/6/11	TX
	802.11g	54 Mbps	1/6/11	TX
	802.11n HT20	108 Mbps	1/6/11	TX

Note :Parameters set by test software during channel & power tests, the software provided by the customer was used to set the operating channels as well as the output power level. The RF output power set is the power expected by the manufacturer and is going to be fixed on the firmware of the final product .

Table 2 Tests Carried Out Under FCC part 15.207 & FCC part 15.209

Test Item	Test Mode
Conduction Emission, 0.15MHz to 30MHz	Communication

4.5 Test Facility

The test facility has a test site registered with the following organizations:

- **IC – Registration No.: 7760A-1**

  Waltek Services(Shenzhen) Co., Ltd. Has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files. Registration number 7760A-1,July 12, 2012.

- **FCC Test Site 1#– Registration No.: 880581**

  Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory `has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 880581, April 29, 2014.

- **FCC Test Site 2#– Registration No.: 328995**

  Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory `has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 328995, December 3, 2014.

5 Equipment Used during Test

5.1 Equipments List

Conducted Emissions Test Site 1#						
Item	**Equipment**	**Manufacturer**	**Model No.**	**Serial No.**	**Last Calibration Date**	**Calibration Due Date**
1.	EMI Test Receiver	R&S	ESCI	100947	Sep.15,2014	Sep.14,2015
2.	LISN	R&S	ENV216	101215	Sep.15,2014	Sep.14,2015
3.	Cable	Top	TYPE16(3.5M)	-	Sep.15,2014	Sep.14,2015
Conducted Emissions Test Site 2#						
Item	**Equipment**	**Manufacturer**	**Model No.**	**Serial No.**	**Last Calibration Date**	**Calibration Due Date**
1.	EMI Test Receiver	R&S	ESCI	101155	Sep.15,2014	Sep.14,2015
2.	LISN	SCHWARZBECK	NSLK 8128	8128-289	Sep.15,2014	Sep.14,2015
3.	Limiter	York	MTS-IMP-136	261115-001-0024	Sep.15,2014	Sep.14,2015
4.	Cable	LARGE	RF300	-	Sep.15,2014	Sep.14,2015
3m Semi-anechoic Chamber for Radiation Emissions Test site 1#						
Item	**Equipment**	**Manufacturer**	**Model No.**	**Serial No.**	**Last Calibration Date**	**Calibration Due Date**
1	EMC Analyzer	Agilent	E7405A	MY45114943	Sep.15,2014	Sep.14,2015
2	Active Loop Antenna	Beijing Dazhi	ZN30900A	-	Sep.15,2014	Sep.14,2015
3	Trilog Broadband Antenna	SCHWARZBECK	VULB9163	336	Apr.19,2015	Apr.18,2016
4	Coaxial Cable (below 1GHz)	Top	TYPE16(13M)	-	Sep.15,2014	Sep.14,2015
5	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9120 D	667	Apr.19,2015	Apr.18,2016
6	Broad-band Horn Antenna	SCHWARZBECK	BBHA 9170	335	Apr.19,2015	Apr.18,2016
7	Broadband Preamplifier	COMPLIANCE DIRECTION	PAP-1G18	2004	Mar.17,2015	Mar.16,2016
8	Coaxial Cable (above 1GHz)	Top	1GHz-25GHz	EW02014-7	Apr.10,2015	Apr.09,2016
3m Semi-anechoic Chamber for Radiation Emissions Test site 2#						
Item	**Equipment**	**Manufacturer**	**Model No.**	**Serial No**	**Last Calibration Date**	**Calibration Due Date**
1	Test Receiver	R&S	ESCI	101296	Sep.15,2014	Sep.14,2015
2	Trilog Broadband Antenna	SCHWARZBECK	VULB9160	9160-3325	Sep.15,2014	Sep.14,2015
3	Amplifier	Compliance pirection systems inc	PAP-0203	22024	Sep.15,2014	Sep.14,2015
4	Cable	HUBER+SUHNER	CBL2	525178	Sep.15,2014	Sep.14,2015
RF Conducted Testing						

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date
1.	EMC Analyzer (9k~26.5GHz)	Agilent	E7405A	MY45114943	Sep.15,2014	Sep.14,2015
2.	Spectrum Analyzer (9k-6GHz)	R&S	FSL6	100959	Sep.15,2014	Sep.14,2015
3.	Signal Analyzer (9k~26.5GHz)	Agilent	N9010A	MY50520207	Sep.15,2014	Sep.14,2015

5.2 Description of Support Units

Equipment	Manufacturer	Model No.	Series No.
/	/	/	/

5.3 Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	± 1 x 10^{-6}
RF Power	± 1.0 dB
RF Power Density	± 2.2 dB
Radiated Spurious Emissions test	± 5.03 dB (30M~1000MHz)
	± 5.47 dB (1000M~25000MHz)
Conducted Spurious Emissions test	± 3.64 dB (AC mains 150KHz~30MHz)

5.4 Test Equipment Calibration

All the test equipments used are valid and calibrated by CEPREI Certification Body that address is No.110 Dongguan Zhuang RD. Guangzhou, P.R.China.

6 Conducted Emission

Test Requirement:	FCC CFR 47 Part 15 Section 15.207
Test Method:	ANSI C63.4:2003
Test Result:	PASS
Frequency Range:	150kHz to 30MHz
Class/Severity:	Class B
Limit:	66-56 dBμV between 0.15MHz & 0.5MHz
	56 dBμV between 0.5MHz & 5MHz
	60 dBμV between 5MHz & 30MHz
Detector:	Peak for pre-scan (9kHz Resolution Bandwidth)

6.1 E.U.T. Operation

Operating Environment **:**

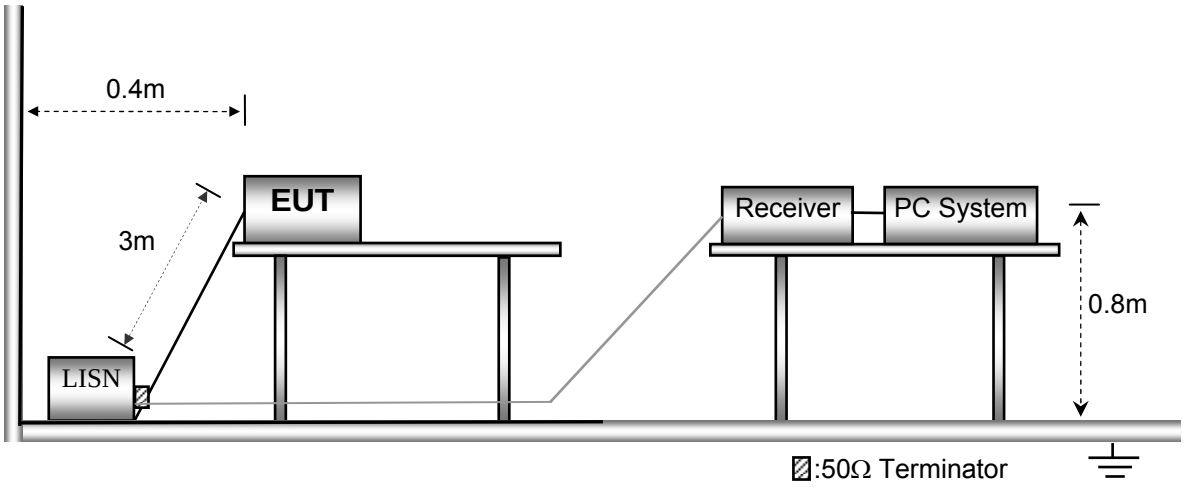
Temperature:	21.5 °C
Humidity:	51.9 % RH
Atmospheric Pressure:	101.2kPa

EUT Operation **:**

The test was performed in transmitting mode, the test data were shown in the report.

6.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.4.



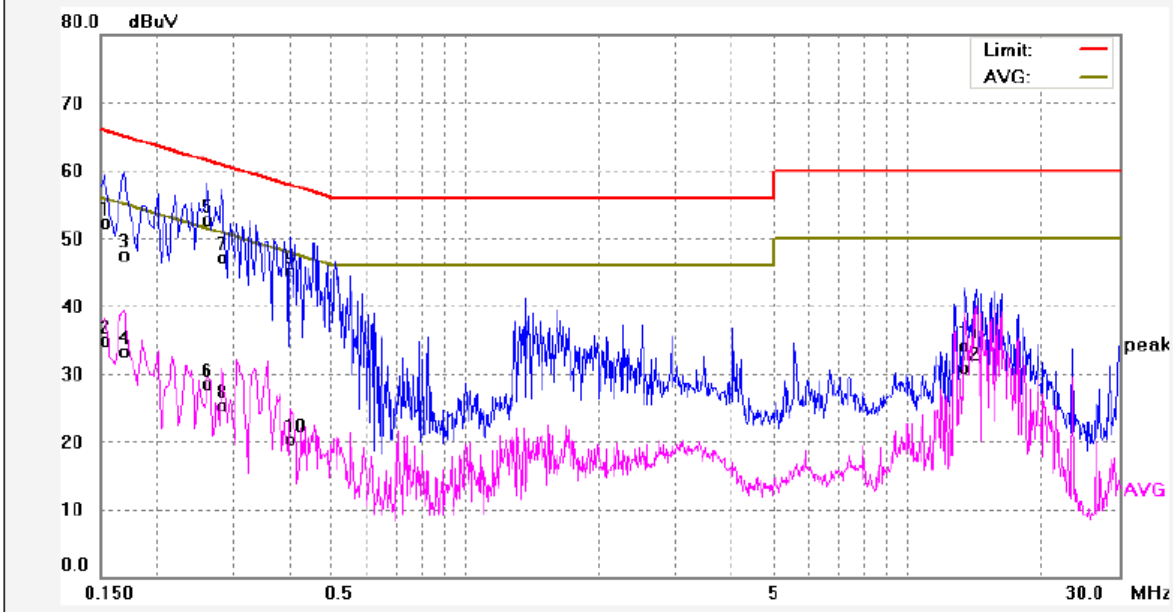
6.3 Measurement Description

The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

6.4 Conducted Emission Test Result

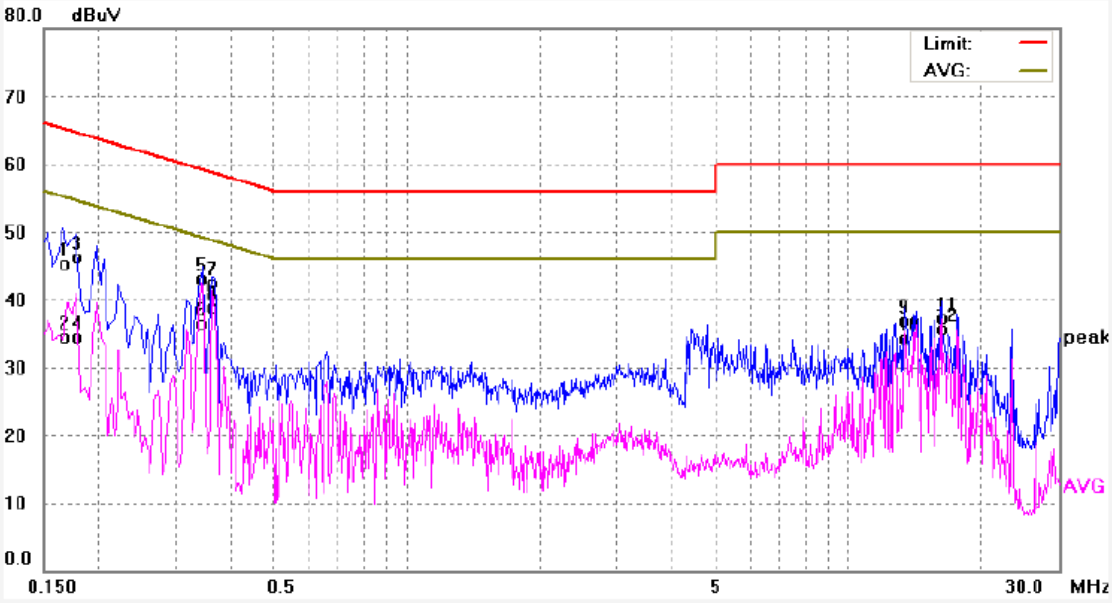
An initial pre-scan was performed on the live and neutral lines.

Live line:



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1539	42.08	10.13	52.21	65.78	-13.57	QP	
2	0.1539	24.73	10.13	34.86	55.78	-20.92	AVG	
3	0.1700	37.40	10.14	47.54	64.96	-17.42	QP	
4	0.1700	23.22	10.14	33.36	54.96	-21.60	AVG	
5	0.2620	42.49	10.16	52.65	61.36	-8.71	QP	
6	0.2620	18.35	10.16	28.51	51.36	-22.85	AVG	
7	0.2819	36.99	10.16	47.15	60.76	-13.61	QP	
8	0.2819	15.10	10.16	25.26	50.76	-25.50	AVG	
9	0.4020	34.87	10.18	45.05	57.81	-12.76	QP	
10	0.4020	10.20	10.18	20.38	47.81	-27.43	AVG	
11	13.3580	23.50	10.64	34.14	60.00	-25.86	QP	
12	13.3580	20.20	10.64	30.84	50.00	-19.16	AVG	

Neutral line:



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1660	35.21	10.14	45.35	65.15	-19.80	QP	
2	0.1660	24.29	10.14	34.43	55.15	-20.72	AVG	
3	0.1780	36.07	10.14	46.21	64.57	-18.36	QP	
4	0.1780	24.31	10.14	34.45	54.57	-20.12	AVG	
5	0.3460	32.87	10.17	43.04	59.06	-16.02	QP	
6	0.3460	26.27	10.17	36.44	49.06	-12.62	AVG	
7	0.3620	32.33	10.17	42.50	58.68	-16.18	QP	
8	0.3620	28.80	10.17	38.97	48.68	-9.71	AVG	
9	13.3580	26.17	10.64	36.81	60.00	-23.19	QP	
10	13.3580	23.76	10.64	34.40	50.00	-15.60	AVG	
11	16.2300	26.65	10.70	37.35	60.00	-22.65	QP	
12	16.2300	24.98	10.70	35.68	50.00	-14.32	AVG	

7 Radiated Emissions

Test Requirement: FCC CFR47 Part 15 Section 15.209 & 15.247

Test Method: ANSI C63.4:2003

Test Result: PASS

Measurement Distance: 3m

Limit:

Frequency (MHz)	Field Strength		Field Strength Limit at 3m Measurement Dist	
	uV/m	Distance (m)	uV/m	dBuV/m
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	$20\log^{(2400/F(kHz))} + 80$
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	$20\log^{(24000/F(kHz))} + 40$
1.705 ~ 30	30	30	100 * 30	$20\log^{(30)} + 40$
30 ~ 88	100	3	100	$20\log^{(100)}$
88 ~ 216	150	3	150	$20\log^{(150)}$
216 ~ 960	200	3	200	$20\log^{(200)}$
Above 960	500	3	500	$20\log^{(500)}$

7.1 EUT Operation

Operating Environment **:**

Temperature: 23.5 °C

Humidity: 52.1 % RH

Atmospheric Pressure: 101.2kPa

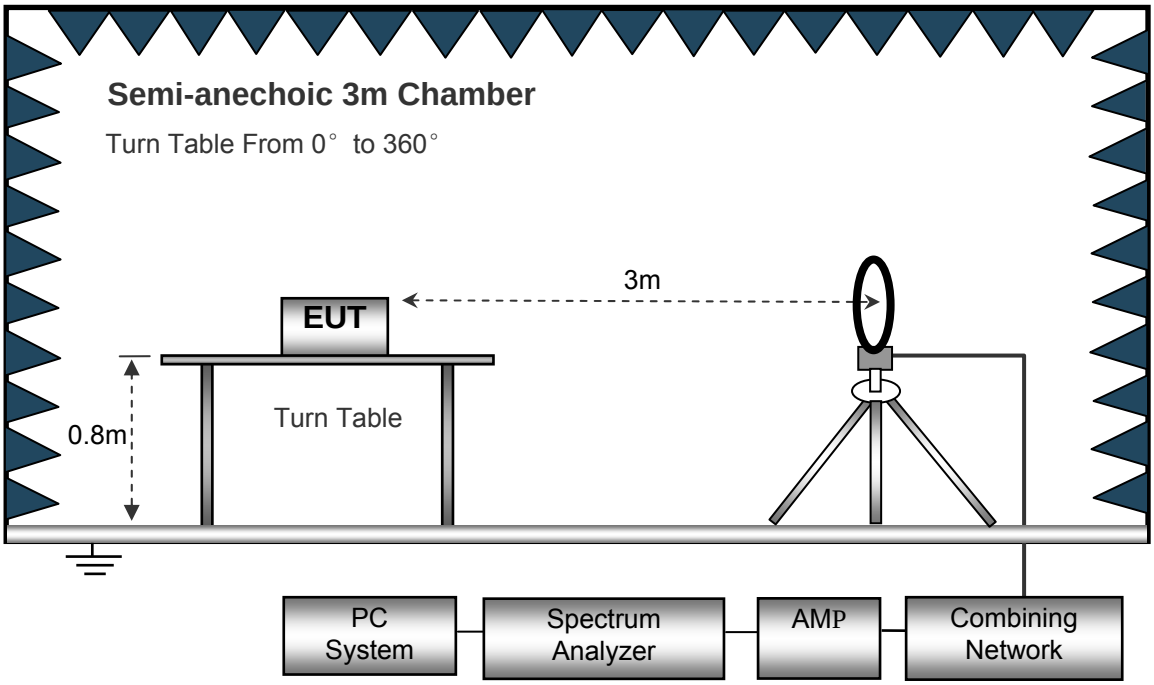
EUT Operation **:**

The test was performed in transmitting mode, the test data were shown in the report.

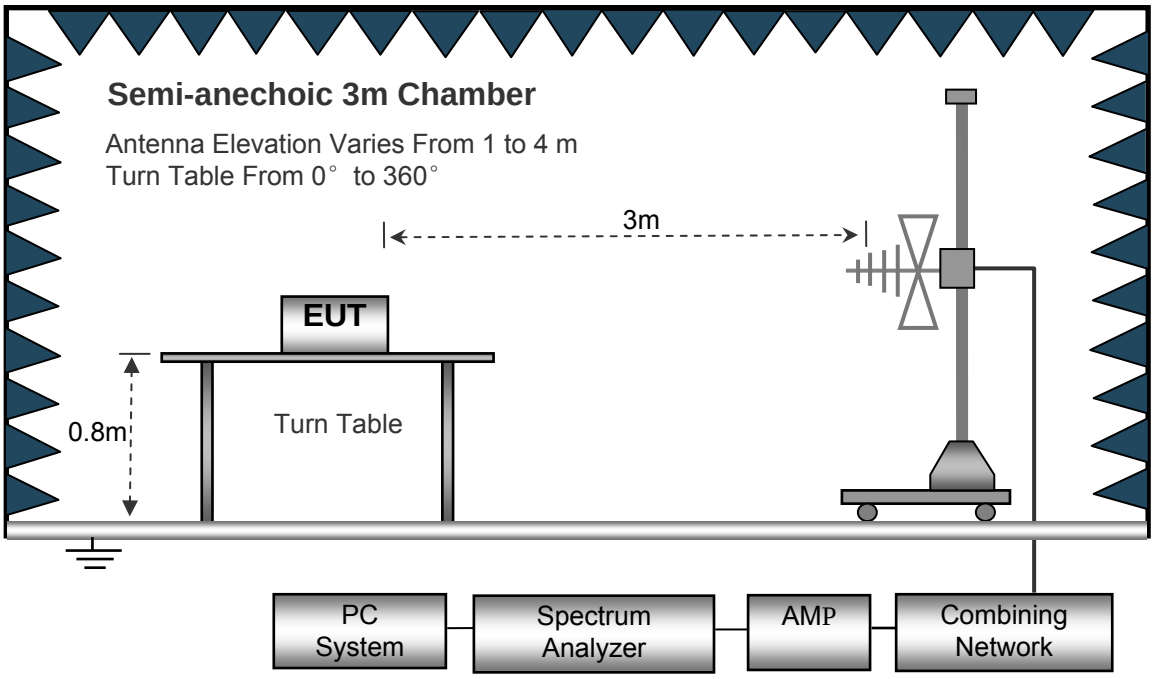
7.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.4.

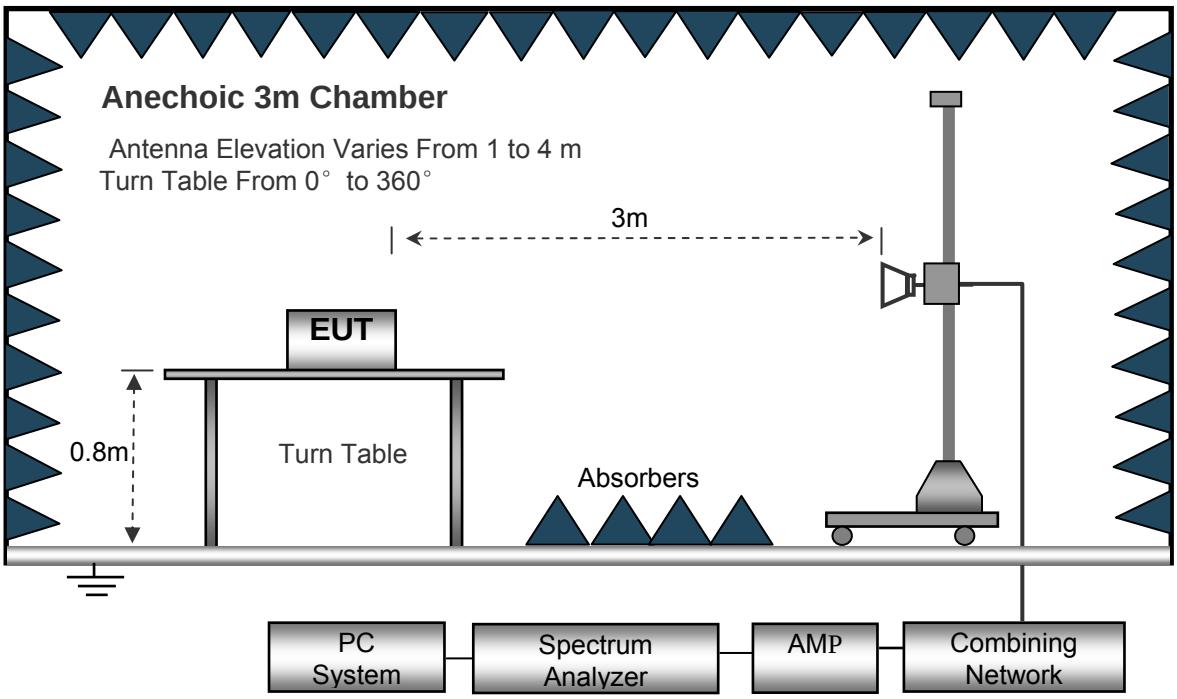
The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.



The test setup for emission measurement above 1 GHz.



7.3 Spectrum Analyzer Setup

Below 30MHz

Sweep Speed ..... Auto
IF Bandwidth..... 10kHz
Video Bandwidth..... 10kHz
Resolution Bandwidth..... 10kHz

30MHz ~ 1GHz

Sweep Speed ..... Auto
Detector ..... PK
Resolution Bandwidth..... 100kHz
Video Bandwidth..... 300kHz

Above 1GHz

Sweep Speed ..... Auto
Detector ..... PK
Resolution Bandwidth..... 1MHz
Video Bandwidth..... 3MHz
Detector ..... Ave.
Resolution Bandwidth..... 1MHz
Video Bandwidth..... 10Hz

7.4 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are performed in X,Y and Z axis positioning(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand),the worst condition was tested putting the eut in X axis,so the worst data were shown as follow.
8. A 2.4GHz high –pass filter is used druing radiated emissions above 1GHz measurement.

7.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The “Margin” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the maximum limit for Class B. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – Limit

7.6 Summary of Test Results

Test Frequency: Below 30MHz

The measurements were more than 20 dB below the limit and not reported.

Test Frequency : 30MHz ~ 18GHz

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT0 11b: Low Channel 2412MHz									
744.86	44.38	QP	232	1.5	H	-6.32	38.06	46.00	-7.94
744.86	47.18	QP	148	1.2	V	-6.32	40.86	46.00	-5.14
4824.00	53.40	PK	198	1.2	V	-1.06	52.34	74.00	-21.66
4824.00	46.59	Ave	198	1.2	V	-1.06	45.53	54.00	-8.47
7236.00	43.69	PK	264	1.8	H	1.33	45.02	74.00	-28.98
7236.00	44.21	Ave	264	1.8	H	1.33	45.54	54.00	-8.46
2312.98	46.83	PK	332	1.2	V	-13.19	33.64	74.00	-40.36
2312.98	38.13	Ave	332	1.2	V	-13.19	24.94	54.00	-29.06
2372.01	43.53	PK	313	1.6	H	-13.14	30.39	74.00	-43.61
2372.01	38.55	Ave	313	1.6	H	-13.14	25.41	54.00	-28.59
2483.62	44.45	PK	195	1.9	V	-13.08	31.37	74.00	-42.63
2483.62	38.72	Ave	195	1.9	V	-13.08	25.64	54.00	-28.36

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT0 11b: Middle Channel 2437MHz									
744.86	44.93	QP	232	1.5	H	-6.32	38.61	46.00	-7.39
744.86	46.88	QP	148	1.2	V	-6.32	40.56	46.00	-5.44
4874.00	54.26	PK	221	1.1	V	-0.62	53.64	74.00	-20.36
4874.00	46.84	Ave	221	1.1	V	-0.62	46.22	54.00	-7.78
7311.00	44.19	PK	97	1.9	H	2.21	46.40	74.00	-27.60
7311.00	43.46	Ave	97	1.9	H	2.21	45.67	54.00	-8.33
2349.00	46.09	PK	206	1.1	V	-13.19	32.90	74.00	-41.10
2349.00	38.46	Ave	206	1.1	V	-13.19	25.27	54.00	-28.73
2360.55	42.29	PK	217	1.5	H	-13.14	29.15	74.00	-44.85
2360.55	38.90	Ave	217	1.5	H	-13.14	25.76	54.00	-28.24
2499.27	43.10	PK	152	1.5	V	-13.08	30.02	74.00	-43.98
2499.27	37.39	Ave	152	1.5	V	-13.08	24.31	54.00	-29.69

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT0 11b: High Channel 2462MHz									
744.86	45.03	QP	232	1.5	H	-6.32	38.71	46.00	-7.29
744.86	47.05	QP	148	1.2	V	-6.32	40.73	46.00	-5.27
4924.00	54.41	PK	254	1.7	V	-0.24	54.17	74.00	-19.83
4924.00	46.74	Ave	254	1.7	V	-0.24	46.50	54.00	-7.50
7386.00	44.06	PK	82	2.0	H	2.84	46.90	74.00	-27.10
7386.00	43.69	Ave	82	2.0	H	2.84	46.53	54.00	-7.47
2329.74	46.51	PK	331	2.0	V	-13.19	33.32	74.00	-40.68
2329.74	38.44	Ave	331	2.0	V	-13.19	25.25	54.00	-28.75
2362.01	43.65	PK	192	1.5	H	-13.14	30.51	74.00	-43.49
2362.01	38.44	Ave	192	1.5	H	-13.14	25.30	54.00	-28.70
2486.25	43.91	PK	191	2.0	V	-13.08	30.83	74.00	-43.17
2486.25	38.81	Ave	191	2.0	V	-13.08	25.73	54.00	-28.27

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT1 11b: Low Channel 2412MHz									
744.86	44.63	QP	232	1.5	H	-6.32	38.31	46.00	-7.69
744.86	46.52	QP	148	1.2	V	-6.32	40.20	46.00	-5.80
4824.00	54.21	PK	43	1.1	V	-1.06	53.15	74.00	-20.85
4824.00	47.26	Ave	43	1.1	V	-1.06	46.20	54.00	-7.80
7236.00	44.12	PK	201	1.8	H	1.33	45.45	74.00	-28.55
7236.00	43.59	Ave	201	1.8	H	1.33	44.92	54.00	-9.08
2335.48	45.99	PK	348	1.7	V	-13.19	32.80	74.00	-41.20
2335.48	38.62	Ave	348	1.7	V	-13.19	25.43	54.00	-28.57
2356.65	43.29	PK	81	1.6	H	-13.14	30.15	74.00	-43.85
2356.65	37.16	Ave	81	1.6	H	-13.14	24.02	54.00	-29.98
2498.81	42.66	PK	65	1.0	V	-13.08	29.58	74.00	-44.42
2498.81	36.30	Ave	65	1.0	V	-13.08	23.22	54.00	-30.78

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT1 11b: Middle Channel 2437MHz									
744.86	44.67	QP	232	1.5	H	-6.32	38.35	46.00	-7.65
744.86	46.67	QP	148	1.2	V	-6.32	40.35	46.00	-5.65
4874.00	55.64	PK	275	1.7	V	-0.62	55.02	74.00	-18.98
4874.00	47.67	Ave	275	1.7	V	-0.62	47.05	54.00	-6.95
7311.00	45.00	PK	5	1.9	H	2.21	47.21	74.00	-26.79
7311.00	42.49	Ave	5	1.9	H	2.21	44.70	54.00	-9.30
2316.18	45.13	PK	158	1.3	V	-13.19	31.94	74.00	-42.06
2316.18	39.97	Ave	158	1.3	V	-13.19	26.78	54.00	-27.22
2350.40	43.93	PK	52	1.7	H	-13.14	30.79	74.00	-43.21
2350.40	38.90	Ave	52	1.7	H	-13.14	25.76	54.00	-28.24
2497.32	44.95	PK	9	1.1	V	-13.08	31.87	74.00	-42.13
2497.32	37.25	Ave	9	1.1	V	-13.08	24.17	54.00	-29.83

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT1 11b: High Channel 2462MHz									
744.86	44.70	QP	232	1.5	H	-6.32	38.38	46.00	-7.62
744.86	46.93	QP	148	1.2	V	-6.32	40.61	46.00	-5.39
4924.00	55.75	PK	306	1.9	V	-0.24	55.51	74.00	-18.49
4924.00	49.15	Ave	306	1.9	V	-0.24	48.91	54.00	-5.09
7386.00	46.20	PK	78	1.5	H	2.84	49.04	74.00	-24.96
7386.00	41.77	Ave	78	1.5	H	2.84	44.61	54.00	-9.39
2321.43	45.82	PK	290	1.7	V	-13.19	32.63	74.00	-41.37
2321.43	37.99	Ave	290	1.7	V	-13.19	24.80	54.00	-29.20
2382.86	42.57	PK	121	1.4	H	-13.14	29.43	74.00	-44.57
2382.86	37.94	Ave	121	1.4	H	-13.14	24.80	54.00	-29.20
2489.68	42.52	PK	63	1.3	V	-13.08	29.44	74.00	-44.56
2489.68	38.13	Ave	63	1.3	V	-13.08	25.05	54.00	-28.95

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT0 11g: Low Channel 2412MHz									
744.86	44.62	QP	232	1.5	H	-6.32	38.30	46.00	-7.70
744.86	46.34	QP	148	1.2	V	-6.32	40.02	46.00	-5.98
4824.00	54.38	PK	48	1.1	V	-1.06	53.32	74.00	-20.68
4824.00	46.36	Ave	48	1.1	V	-1.06	45.30	54.00	-8.70
7236.00	44.05	PK	230	1.7	H	1.33	45.38	74.00	-28.62
7236.00	42.71	Ave	230	1.7	H	1.33	44.04	54.00	-9.96
2346.42	46.38	PK	72	1.6	V	-13.19	33.19	74.00	-40.81
2346.42	37.44	Ave	72	1.6	V	-13.19	24.25	54.00	-29.75
2381.79	44.62	PK	84	1.4	H	-13.14	31.48	74.00	-42.52
2381.79	38.15	Ave	84	1.4	H	-13.14	25.01	54.00	-28.99
2490.81	43.85	PK	228	1.5	V	-13.08	30.77	74.00	-43.23
2490.81	36.76	Ave	228	1.5	V	-13.08	23.68	54.00	-30.32

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT0 11g: Middle Channel 2437MHz									
744.86	44.72	QP	232	1.5	H	-6.32	38.40	46.00	-7.60
744.86	47.18	QP	148	1.2	V	-6.32	40.86	46.00	-5.14
4874.00	54.83	PK	53	1.7	V	-0.62	54.21	74.00	-19.79
4874.00	46.42	Ave	53	1.7	V	-0.62	45.80	54.00	-8.20
7311.00	43.13	PK	205	2.0	H	2.21	45.34	74.00	-28.66
7311.00	41.87	Ave	205	2.0	H	2.21	44.08	54.00	-9.92
2346.64	46.05	PK	307	1.5	V	-13.19	32.86	74.00	-41.14
2346.64	38.77	Ave	307	1.5	V	-13.19	25.58	54.00	-28.42
2367.16	44.80	PK	171	1.4	H	-13.14	31.66	74.00	-42.34
2367.16	36.02	Ave	171	1.4	H	-13.14	22.88	54.00	-31.12
2494.28	43.54	PK	1	2.0	V	-13.08	30.46	74.00	-43.54
2494.28	38.71	Ave	1	2.0	V	-13.08	25.63	54.00	-28.37

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT0 11g: High Channel 2462MHz									
744.86	45.34	QP	232	1.5	H	-6.32	39.02	46.00	-6.98
744.86	46.54	QP	148	1.2	V	-6.32	40.22	46.00	-5.78
4924.00	54.66	PK	233	1.2	V	-0.24	54.42	74.00	-19.58
4924.00	46.63	Ave	233	1.2	V	-0.24	46.39	54.00	-7.61
7386.00	43.69	PK	89	1.3	H	2.84	46.53	74.00	-27.47
7386.00	42.97	Ave	89	1.3	H	2.84	45.81	54.00	-8.19
2345.20	46.27	PK	209	1.2	V	-13.19	33.08	74.00	-40.92
2345.20	38.36	Ave	209	1.2	V	-13.19	25.17	54.00	-28.83
2385.67	42.34	PK	157	1.3	H	-13.14	29.20	74.00	-44.80
2385.67	37.42	Ave	157	1.3	H	-13.14	24.28	54.00	-29.72
2499.37	44.46	PK	249	1.8	V	-13.08	31.38	74.00	-42.62
2499.37	37.66	Ave	249	1.8	V	-13.08	24.58	54.00	-29.42

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT1 11g: Low Channel 2412MHz									
744.86	45.50	QP	232	1.5	H	-6.32	39.18	46.00	-6.82
744.86	47.23	QP	148	1.2	V	-6.32	40.91	46.00	-5.09
4824.00	56.71	PK	198	1.0	V	-1.06	55.65	74.00	-18.35
4824.00	49.94	Ave	198	1.0	V	-1.06	48.88	54.00	-5.12
7236.00	46.02	PK	350	1.5	H	1.33	47.35	74.00	-26.65
7236.00	40.46	Ave	350	1.5	H	1.33	41.79	54.00	-12.21
2318.38	46.06	PK	208	1.5	V	-13.19	32.87	74.00	-41.13
2318.38	39.72	Ave	208	1.5	V	-13.19	26.53	54.00	-27.47
2361.71	43.56	PK	334	1.3	H	-13.14	30.42	74.00	-43.58
2361.71	36.60	Ave	334	1.3	H	-13.14	23.46	54.00	-30.54
2495.16	44.67	PK	6	1.5	V	-13.08	31.59	74.00	-42.41
2495.16	38.65	Ave	6	1.5	V	-13.08	25.57	54.00	-28.43

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT1 11g: Middle Channel 2437MHz									
744.86	44.33	QP	232	1.5	H	-6.32	38.01	46.00	-7.99
744.86	46.12	QP	148	1.2	V	-6.32	39.80	46.00	-6.20
4874.00	56.01	PK	266	1.1	V	-0.62	55.39	74.00	-18.61
4874.00	50.55	Ave	266	1.1	V	-0.62	49.93	54.00	-4.07
7311.00	45.56	PK	30	1.8	H	2.21	47.77	74.00	-26.23
7311.00	39.00	Ave	30	1.8	H	2.21	41.21	54.00	-12.79
2342.48	45.54	PK	247	1.9	V	-13.19	32.35	74.00	-41.65
2342.48	37.25	Ave	247	1.9	V	-13.19	24.06	54.00	-29.94
2375.03	42.57	PK	354	1.1	H	-13.14	29.43	74.00	-44.57
2375.03	37.73	Ave	354	1.1	H	-13.14	24.59	54.00	-29.41
2499.63	42.56	PK	135	2.0	V	-13.08	29.48	74.00	-44.52
2499.63	38.25	Ave	135	2.0	V	-13.08	25.17	54.00	-28.83

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT1 11g: High Channel 2462MHz									
744.86	44.29	QP	232	1.5	H	-6.32	37.97	46.00	-8.03
744.86	47.12	QP	148	1.2	V	-6.32	40.80	46.00	-5.20
4924.00	55.78	PK	195	1.5	V	-0.24	55.54	74.00	-18.46
4924.00	50.16	Ave	195	1.5	V	-0.24	49.92	54.00	-4.08
7386.00	46.19	PK	108	1.7	H	2.84	49.03	74.00	-24.97
7386.00	38.54	Ave	108	1.7	H	2.84	41.38	54.00	-12.62
2348.40	45.20	PK	23	1.9	V	-13.19	32.01	74.00	-41.99
2348.40	39.95	Ave	23	1.9	V	-13.19	26.76	54.00	-27.24
2355.87	43.83	PK	198	1.6	H	-13.14	30.69	74.00	-43.31
2355.87	36.68	Ave	198	1.6	H	-13.14	23.54	54.00	-30.46
2495.71	42.61	PK	217	1.1	V	-13.08	29.53	74.00	-44.47
2495.71	36.21	Ave	217	1.1	V	-13.08	23.13	54.00	-30.87

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT0+ANT1 n20: Low Channel 2412MHz									
744.86	44.25	QP	232	1.5	H	-6.32	37.93	46.00	-8.07
744.86	46.72	QP	148	1.2	V	-6.32	40.40	46.00	-5.60
4824.00	55.72	PK	83	1.4	V	-1.06	54.66	74.00	-19.34
4824.00	49.62	Ave	83	1.4	V	-1.06	48.56	54.00	-5.44
7236.00	44.82	PK	246	1.6	H	1.33	46.15	74.00	-27.85
7236.00	42.21	Ave	246	1.6	H	1.33	43.54	54.00	-10.46
2335.36	46.69	PK	45	2.0	V	-13.19	33.50	74.00	-40.50
2335.36	37.29	Ave	45	2.0	V	-13.19	24.10	54.00	-29.90
2370.57	44.26	PK	81	1.4	H	-13.14	31.12	74.00	-42.88
2370.57	37.04	Ave	81	1.4	H	-13.14	23.90	54.00	-30.10
2495.07	42.44	PK	180	1.4	V	-13.08	29.36	74.00	-44.64
2495.07	36.27	Ave	180	1.4	V	-13.08	23.19	54.00	-30.81

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT0+ANT1 n20: Middle Channel 2437MHz									
744.86	44.86	QP	232	1.5	H	-6.32	38.54	46.00	-7.46
744.86	46.10	QP	148	1.2	V	-6.32	39.78	46.00	-6.22
4874.00	55.28	PK	184	1.6	V	-0.62	54.66	74.00	-19.34
4874.00	48.70	Ave	184	1.6	V	-0.62	48.08	54.00	-5.92
7311.00	44.63	PK	247	1.8	H	2.21	46.84	74.00	-27.16
7311.00	43.51	Ave	247	1.8	H	2.21	45.72	54.00	-8.28
2324.75	45.32	PK	232	1.7	V	-13.19	32.13	74.00	-41.87
2324.75	39.99	Ave	232	1.7	V	-13.19	26.80	54.00	-27.20
2372.81	42.64	PK	128	2.0	H	-13.14	29.50	74.00	-44.50
2372.81	37.54	Ave	128	2.0	H	-13.14	24.40	54.00	-29.60
2496.47	43.75	PK	186	1.5	V	-13.08	30.67	74.00	-43.33
2496.47	38.40	Ave	186	1.5	V	-13.08	25.32	54.00	-28.68

Frequency	Receiver Reading	Detector	Turn table Angle	RX Antenna		Corrected Factor	Corrected Amplitude	FCC Part 15.247/209/205	
				Height	Polar			Limit	Margin
(MHz)	(dBμV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBμV/m)	(dBμV/m)	(dB)
ANT0+ANT1 n20: High Channel 2462MHz									
744.86	45.21	QP	232	1.5	H	-6.32	38.89	46.00	-7.11
744.86	46.68	QP	148	1.2	V	-6.32	40.36	46.00	-5.64
4924.00	55.74	PK	296	1.7	V	-0.24	55.50	74.00	-18.50
4924.00	48.36	Ave	296	1.7	V	-0.24	48.12	54.00	-5.88
7386.00	44.29	PK	87	1.2	H	2.84	47.13	74.00	-26.87
7386.00	44.75	Ave	87	1.2	H	2.84	47.59	54.00	-6.41
2316.88	45.92	PK	15	1.5	V	-13.19	32.73	74.00	-41.27
2316.88	37.77	Ave	15	1.5	V	-13.19	24.58	54.00	-29.42
2368.96	43.08	PK	280	1.4	H	-13.14	29.94	74.00	-44.06
2368.96	37.57	Ave	280	1.4	H	-13.14	24.43	54.00	-29.57
2493.70	43.08	PK	8	1.9	V	-13.08	30.00	74.00	-44.00
2493.70	38.03	Ave	8	1.9	V	-13.08	24.95	54.00	-29.05

Test Frequency: 18GHz~25GHz

The measurements were more than 20 dB below the limit and not reported.

8 Band Edge Measurement

Test Requirement:	FCC CFR47 Part 15 Section 15.247
Test Method:	558074 D01 DTS Meas Guidance v03r02 June 5, 2014
Test Limit:	Regulation 15.247 (d),In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
Test Mode:	Transmitting

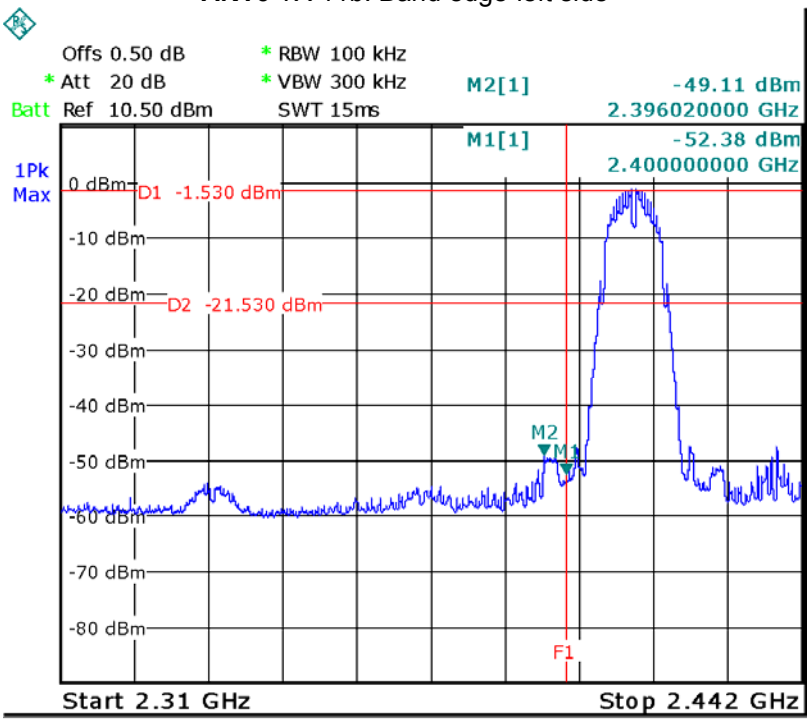
8.1 Test Produce

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

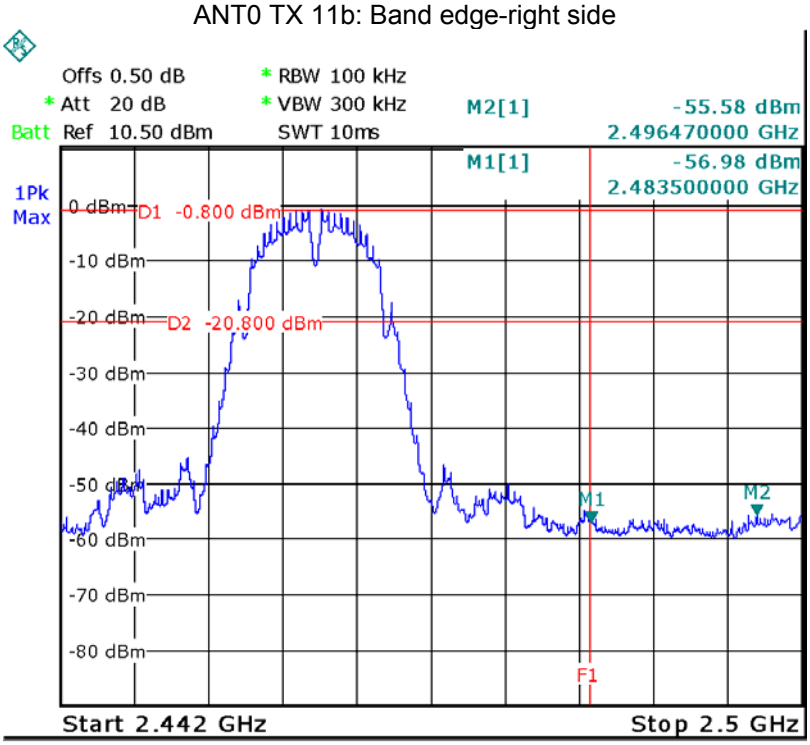
8.2 Test Result

Test result plots shown as follows:

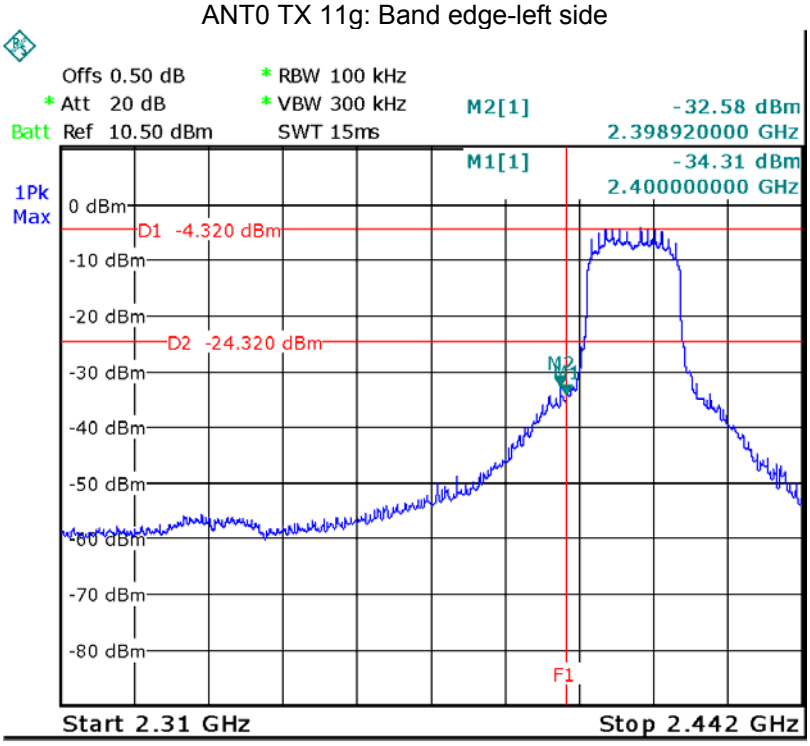
ANT0 TX 11b: Band edge-left side



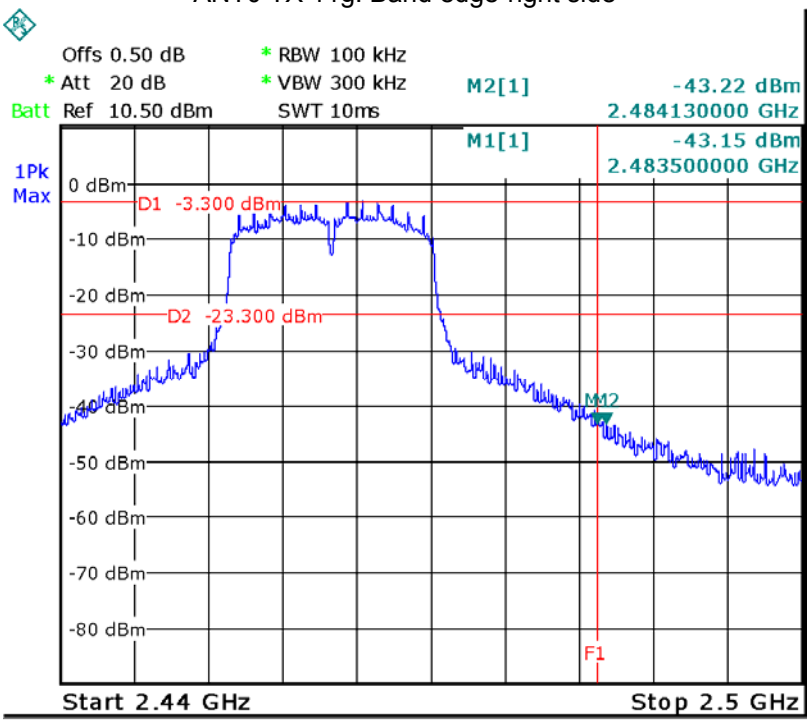
ANT0 TX 11b: Band edge-right side



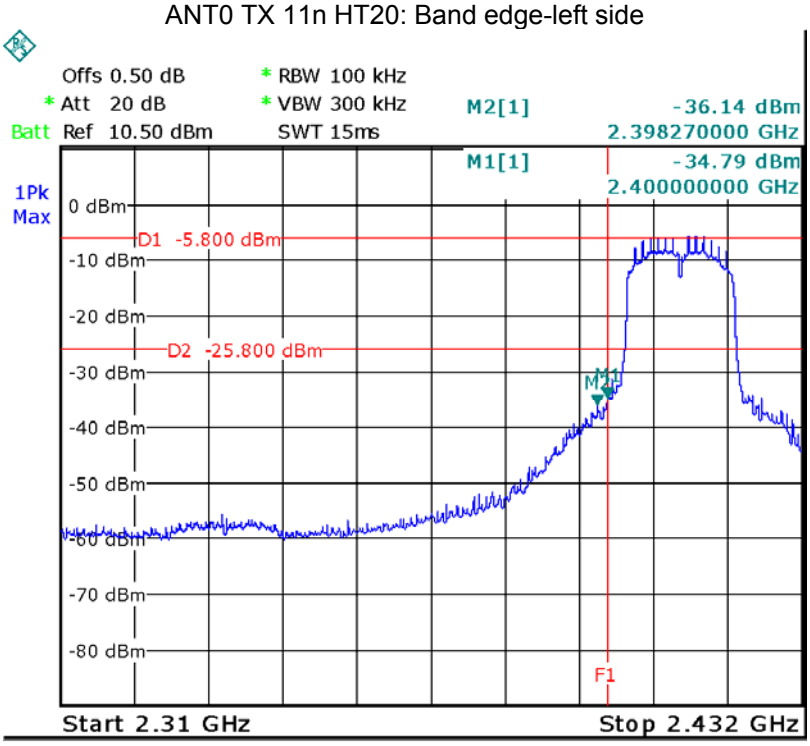
ANT0 TX 11g: Band edge-left side



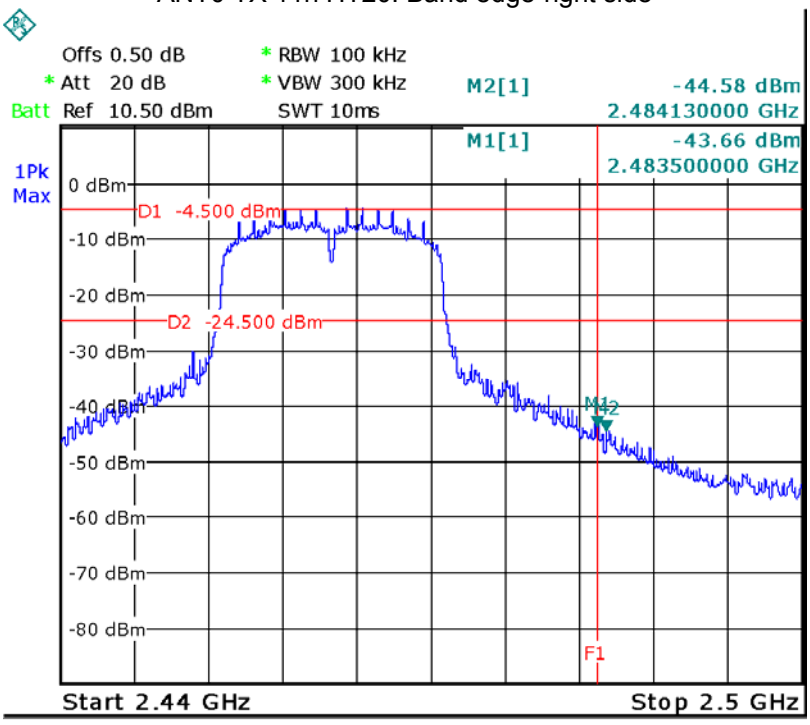
ANT0 TX 11g: Band edge-right side



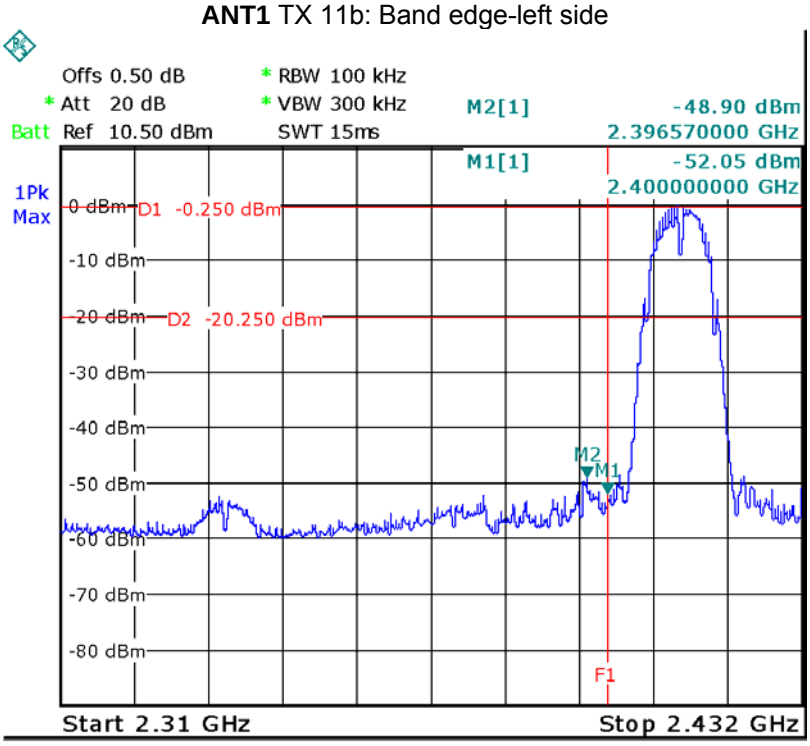
ANT0 TX 11n HT20: Band edge-left side



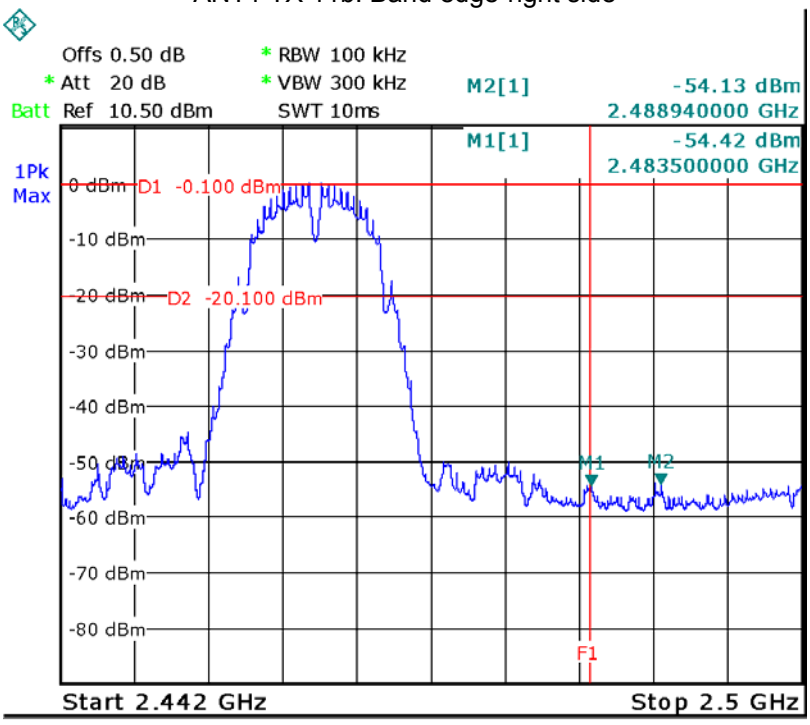
ANT0 TX 11n HT20: Band edge-right side



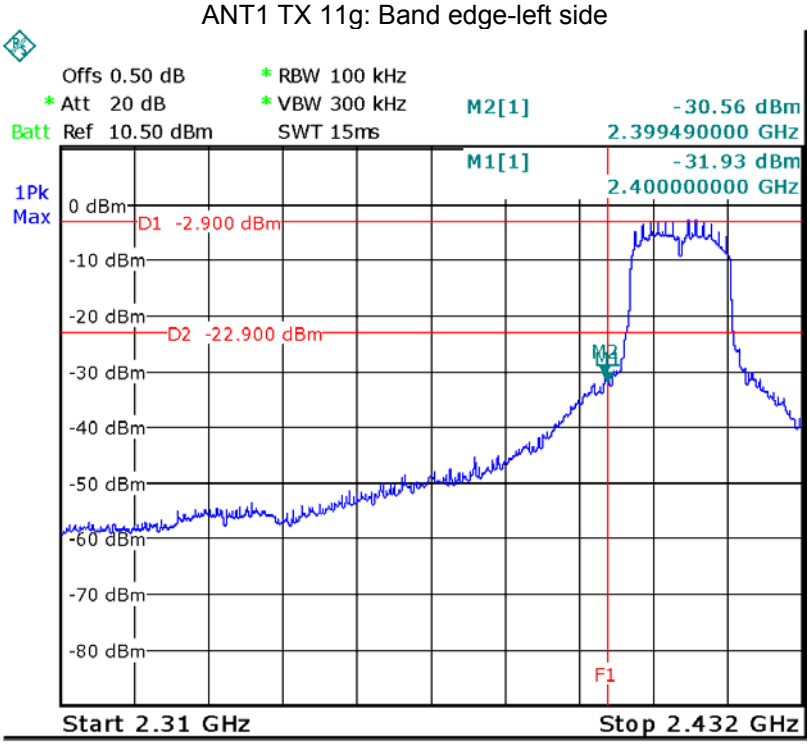
ANT1 TX 11b: Band edge-left side



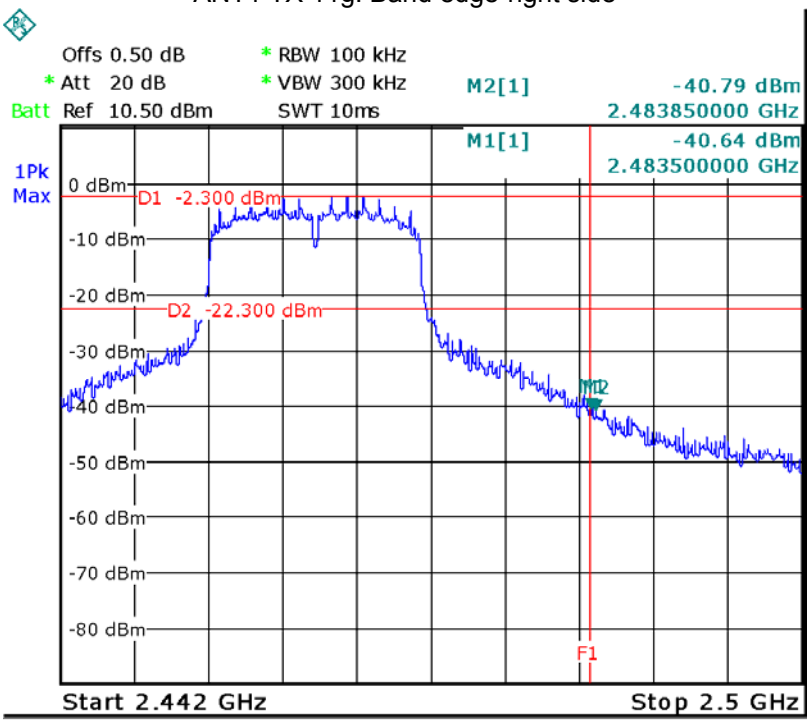
ANT1 TX 11b: Band edge-right side



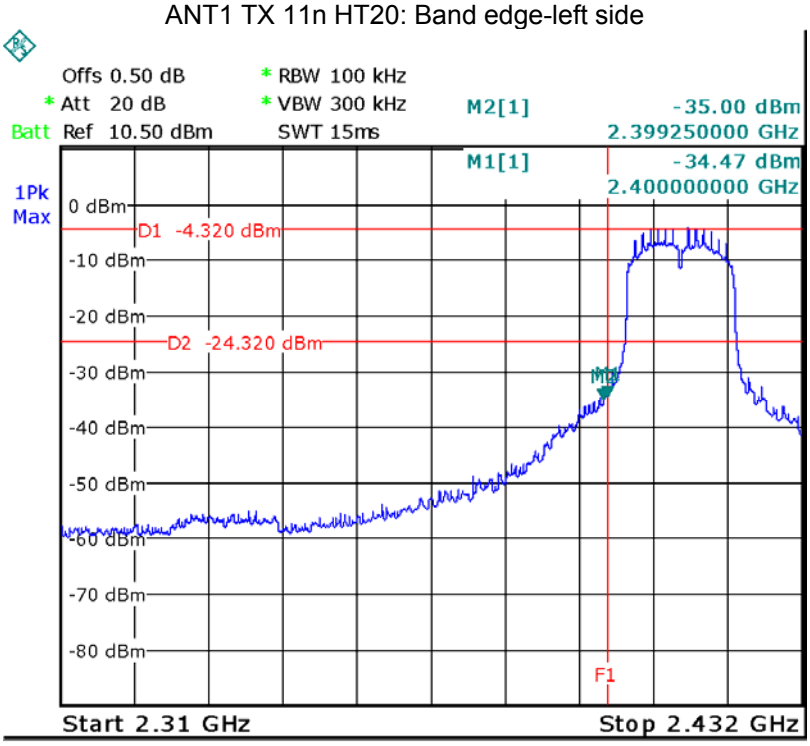
ANT1 TX 11g: Band edge-left side



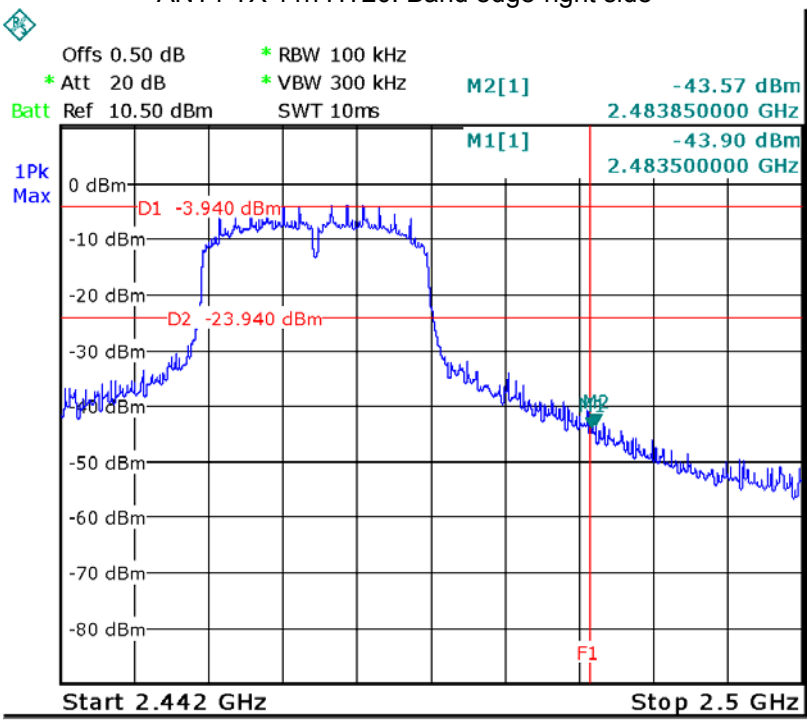
ANT1 TX 11g: Band edge-right side



ANT1 TX 11n HT20: Band edge-left side



ANT1 TX 11n HT20: Band edge-right side



9 6 dB Bandwidth Measurement

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: 558074 D01 DTS Meas Guidance v03r02 June 5, 2014

9.1 Test Procedure:

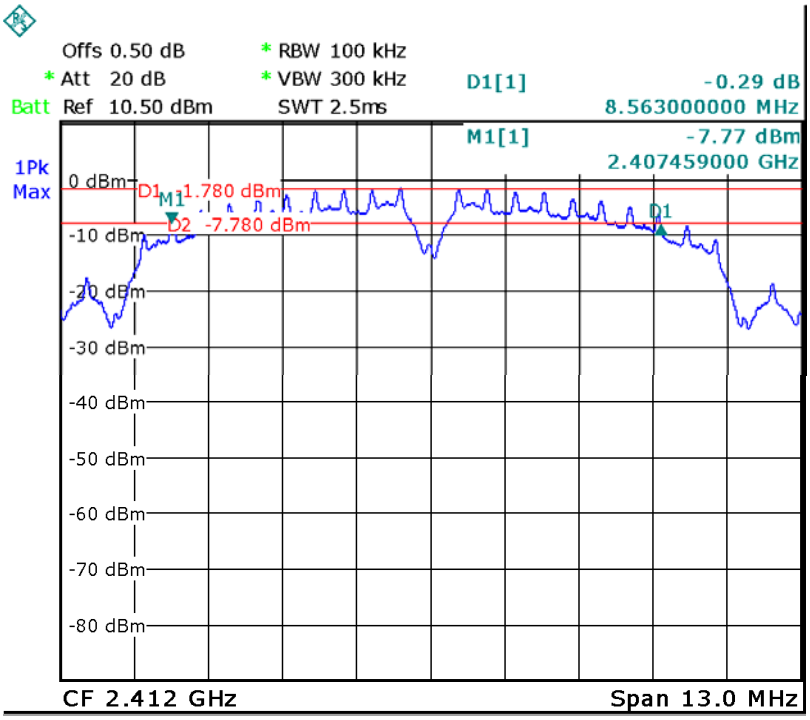
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;

2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz

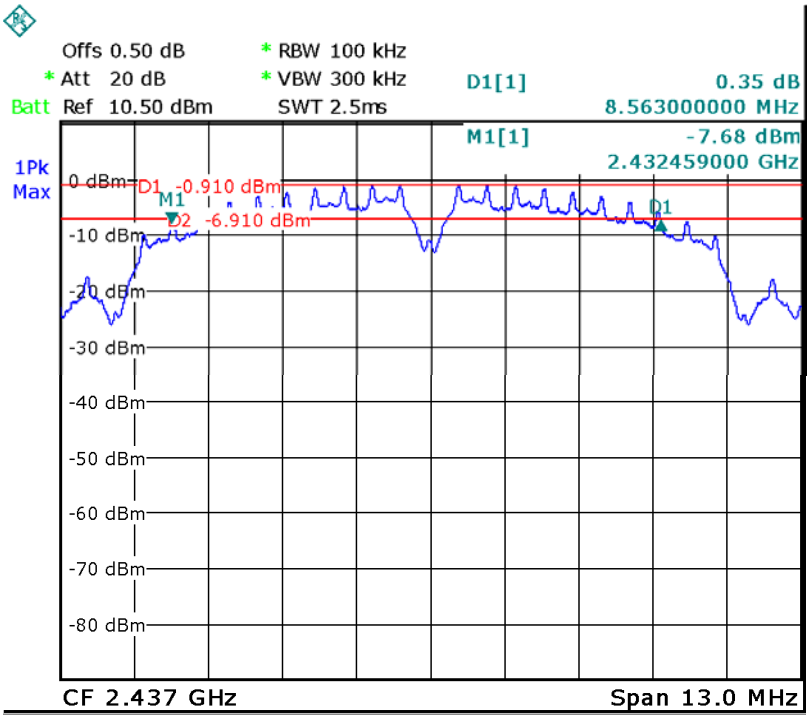
9.2 Test Result:

ANT	Operation mode	Bandwidth (MHz)		
		Low	Middle	High
ANT0	11b	8.56	8.56	8.56
	11g	16.22	16.22	16.22
	11n HT20	16.17	16.06	15.90
ANT1	11b	8.56	8.56	8.56
	11g	15.93	15.93	15.93
	11n HT20	16.22	16.22	16.22

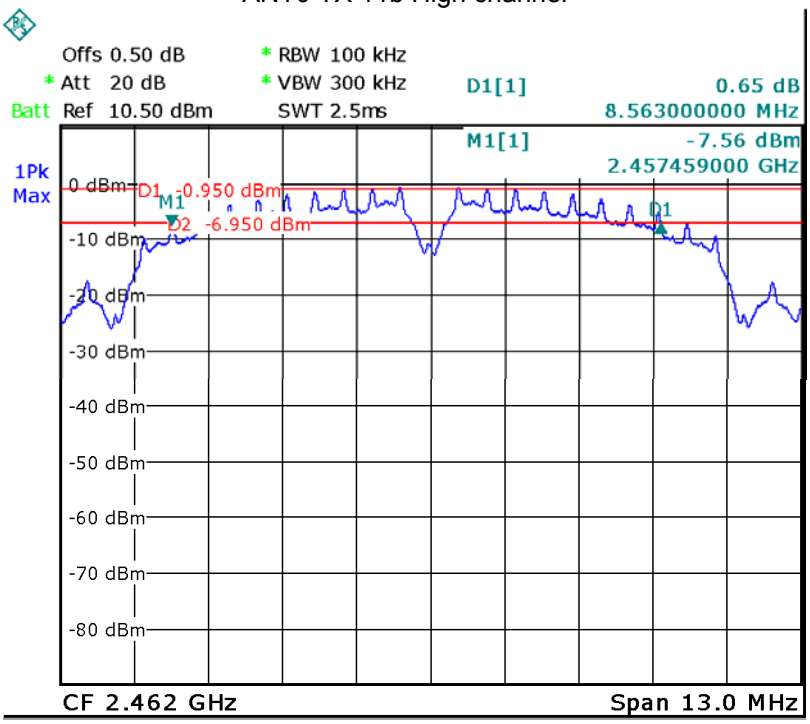
ANT0 TX 11b Low channel



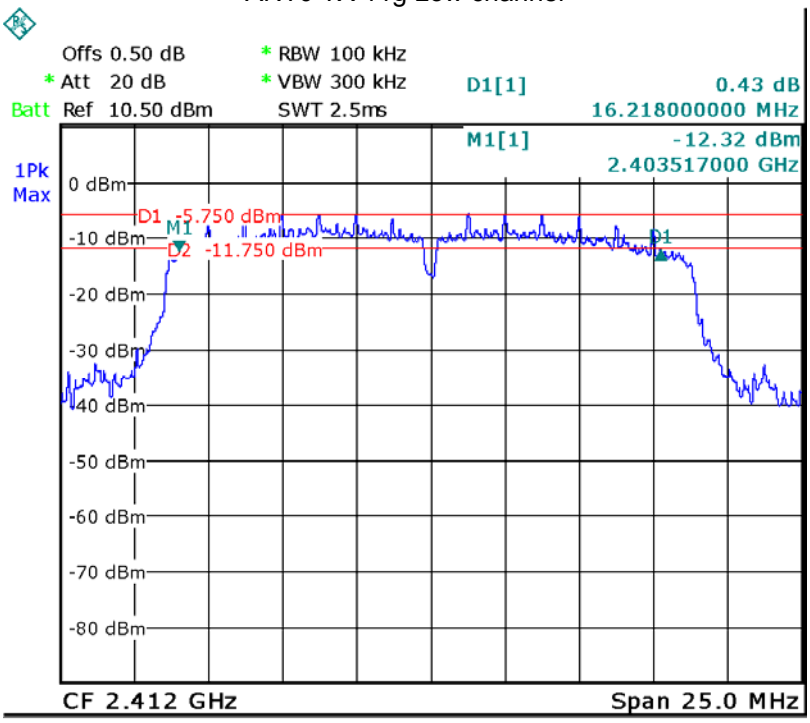
ANT0 TX 11b Middle channel



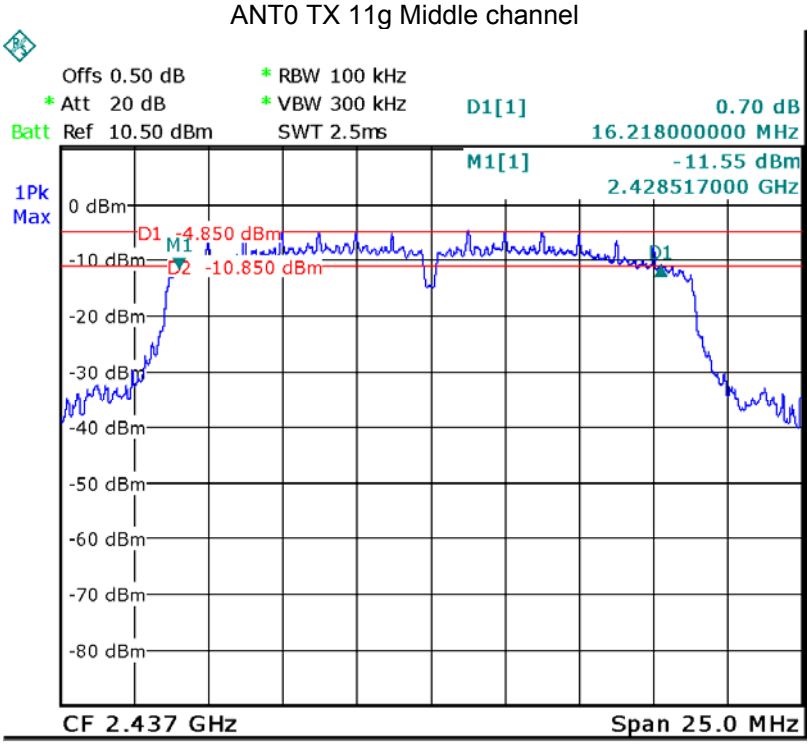
ANT0 TX 11b High channel



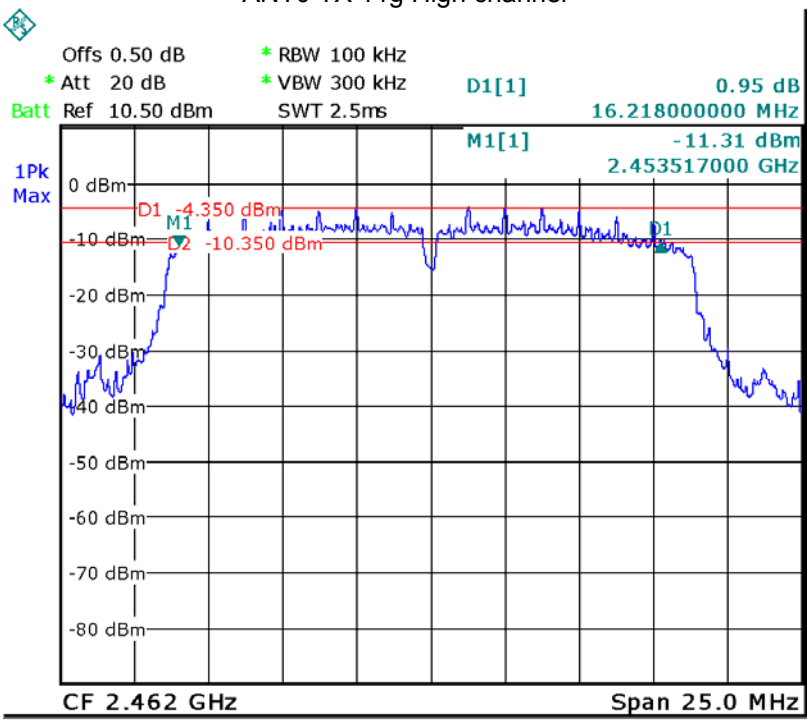
ANT0 TX 11g Low channel



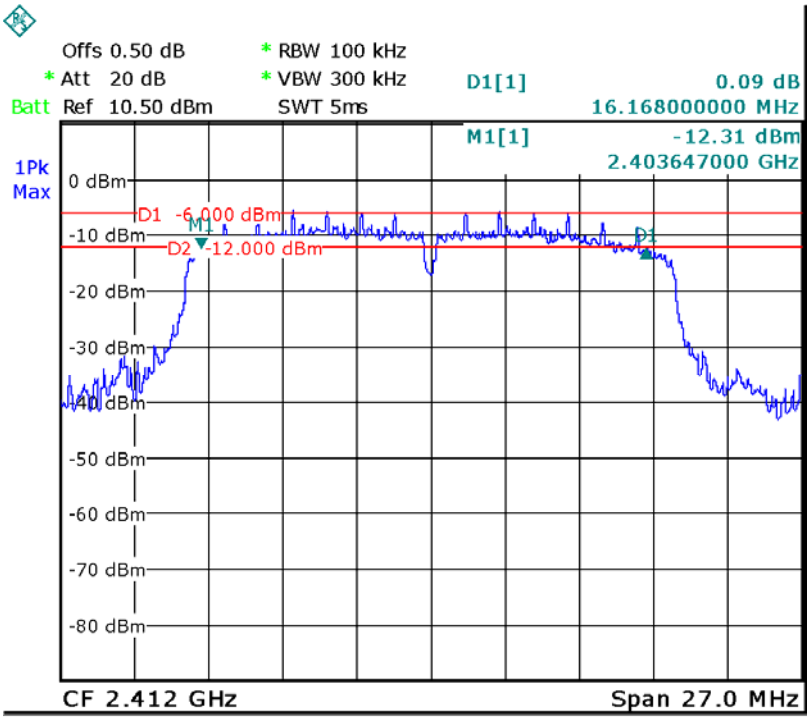
ANT0 TX 11g Middle channel



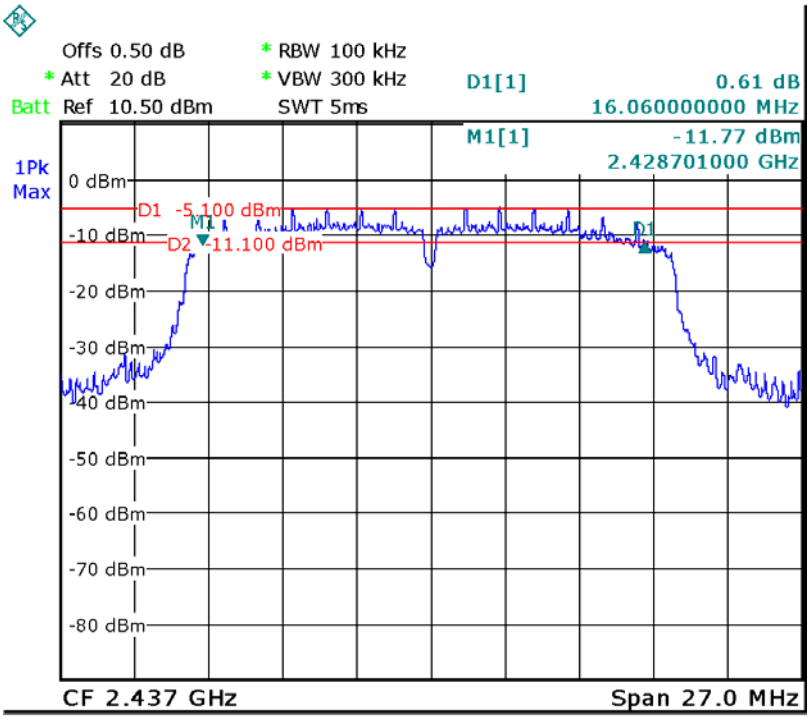
ANT0 TX 11g High channel



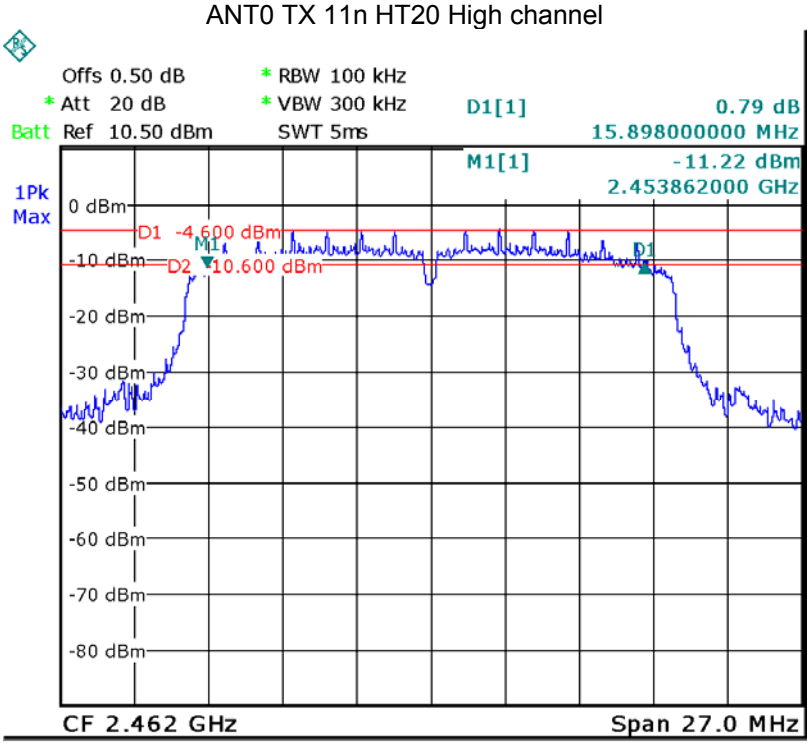
ANT0 TX 11n HT20 Low channel



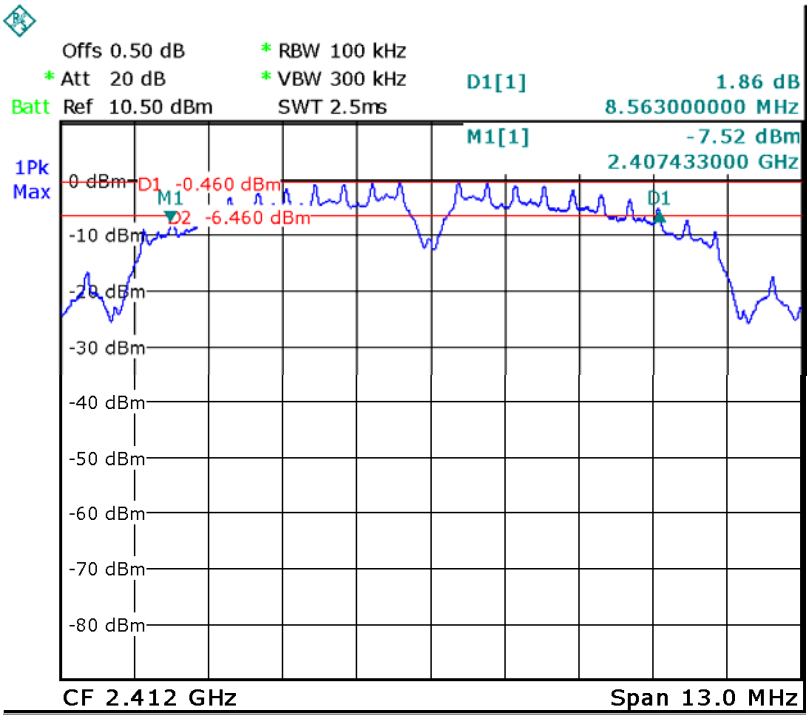
ANT0 TX 11n HT20 Middle channel



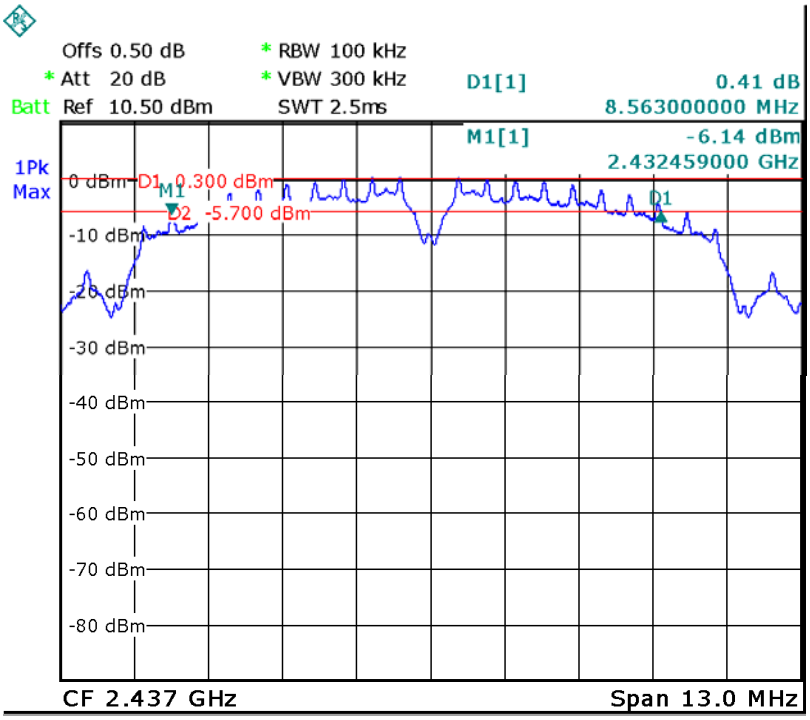
ANT0 TX 11n HT20 High channel



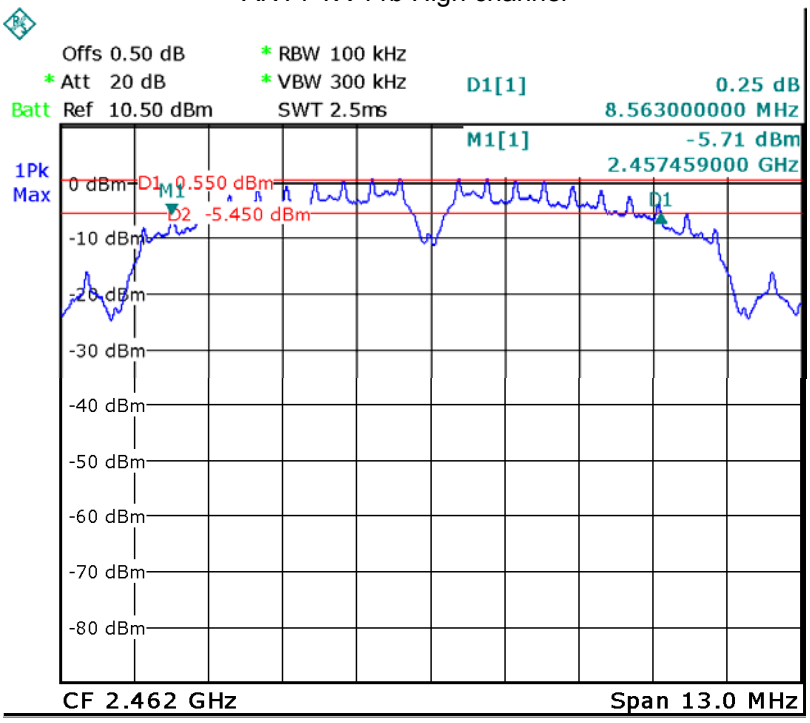
ANT1 TX 11b Low channel



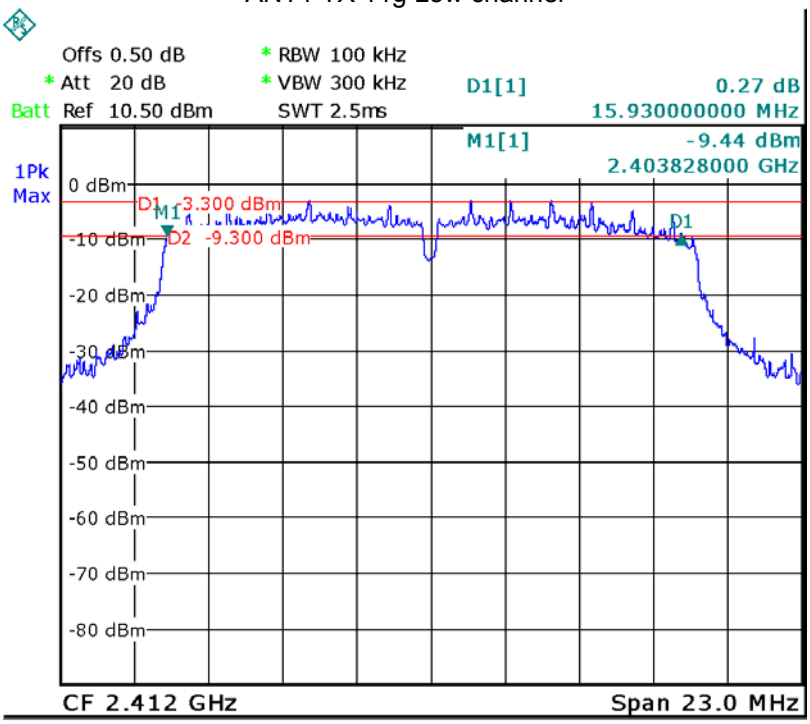
ANT1 TX 11b Middle channel



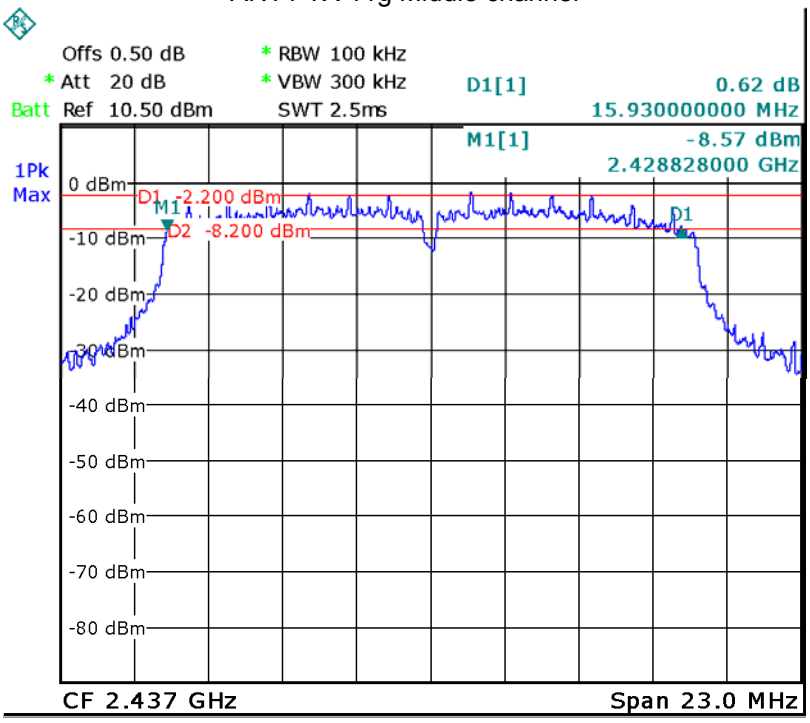
ANT1 TX 11b High channel



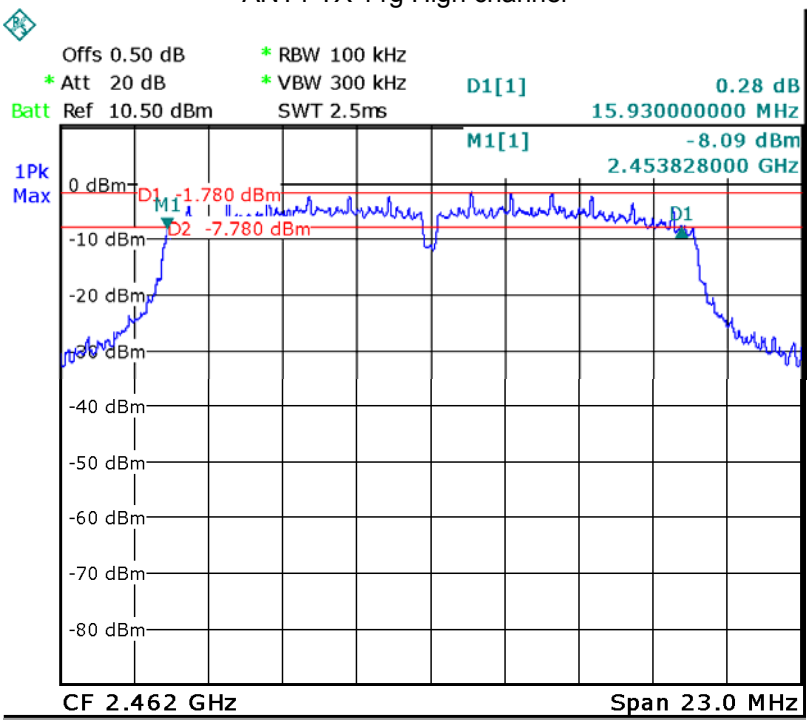
ANT1 TX 11g Low channel



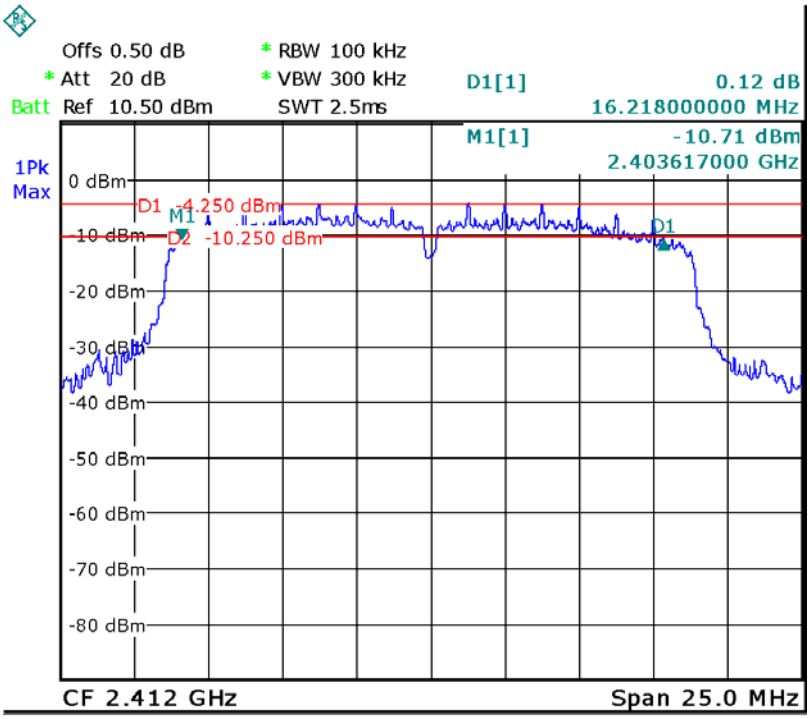
ANT1 TX 11g Middle channel



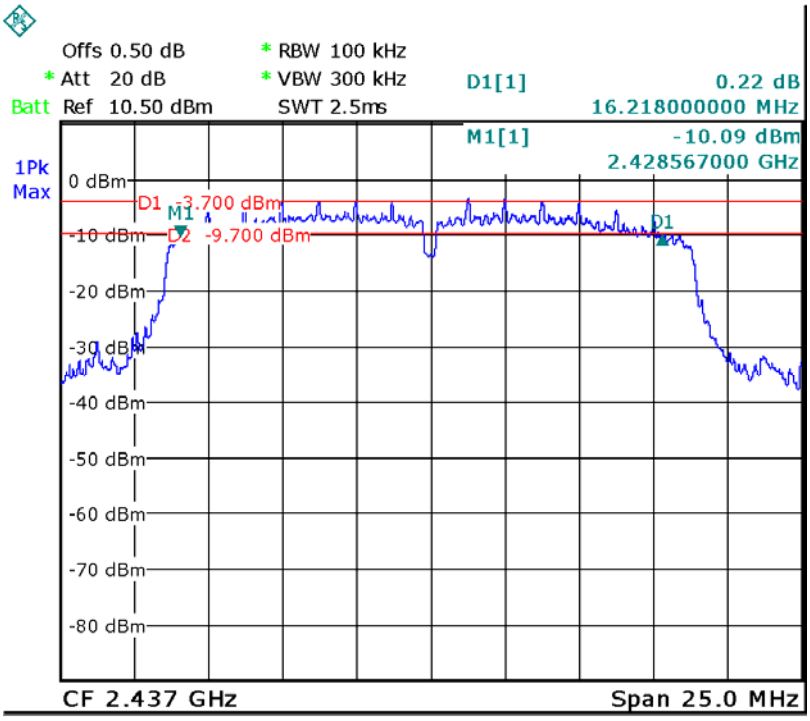
ANT1 TX 11g High channel



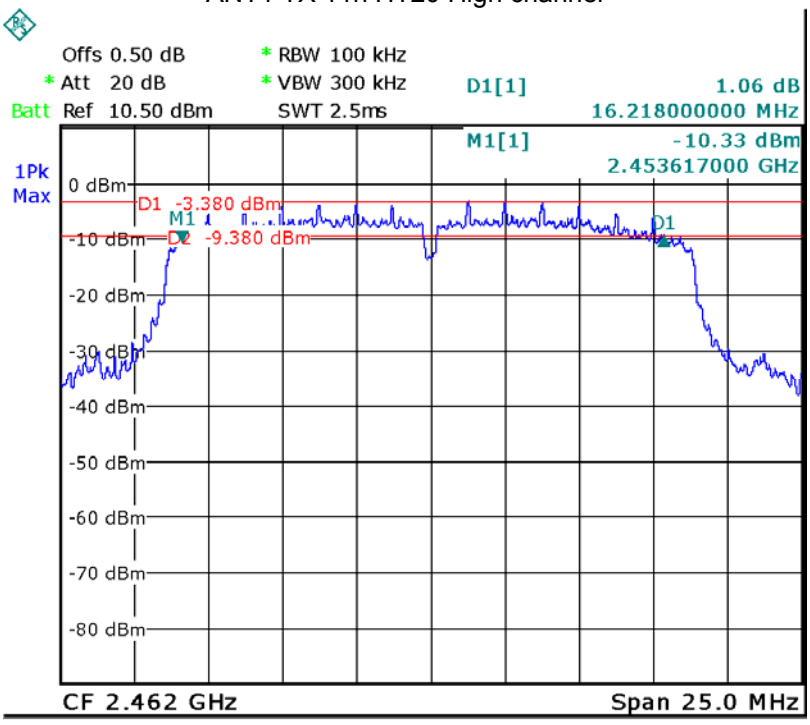
ANT1 TX 11n HT20 Low channel



ANT1 TX 11n HT20 Middle channel



ANT1 TX 11n HT20 High channel



10 Maximum Peak Output Power

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: 558074 D01 DTS Meas Guidance v03r02 June 5, 2014

10.1 Test Procedure:

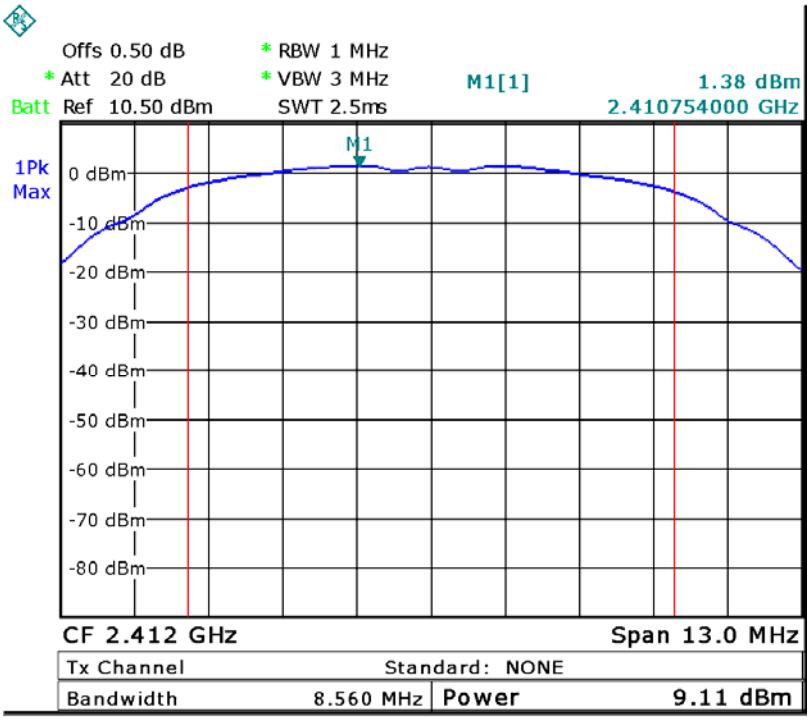
KDB558074 D01 v03r01 04/09/2013 section 9.1.2

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 1 MHz. VBW = 3 MHz. Sweep = auto; Detector Function = Peak, Set the span to fully encompass the DTS bandwidth.
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

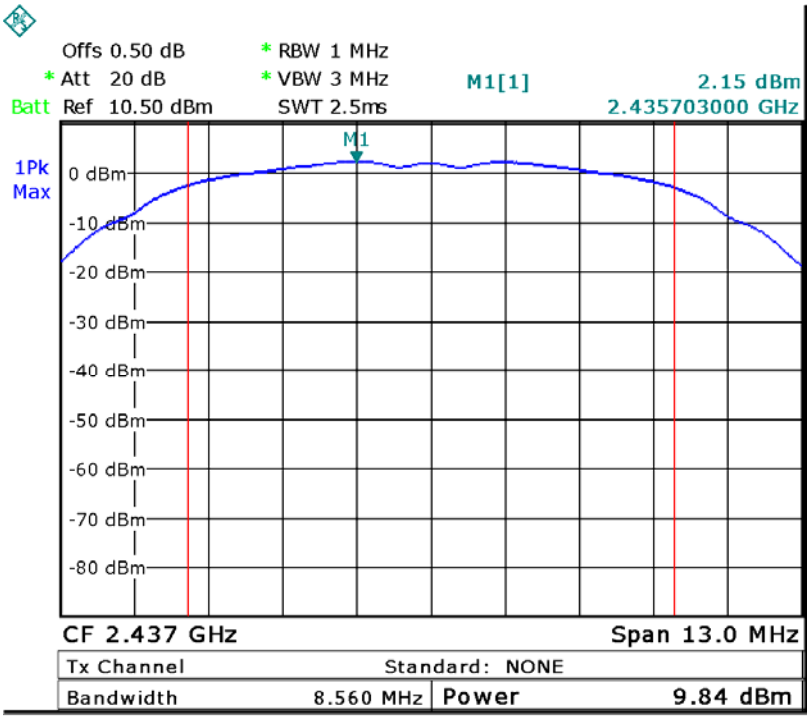
10.2 Test Result:

Operation mode	CH	Conducted Output Power (dBm)		
		ANT0	ANT1	ANT0+ANT1
802.11b	Low	9.11	10.43	12.83
	Middle	9.84	11.16	13.56
	High	10.22	11.63	13.99
802.11g	Low	13.21	16.02	17.85
	Middle	14.18	16.95	18.79
	High	14.37	17.01	18.90
802.11n(HT20)	Low	12.97	14.60	16.87
	Middle	14.05	15.33	17.75
	High	14.39	15.34	17.90
Limit: 1W/30dBm				

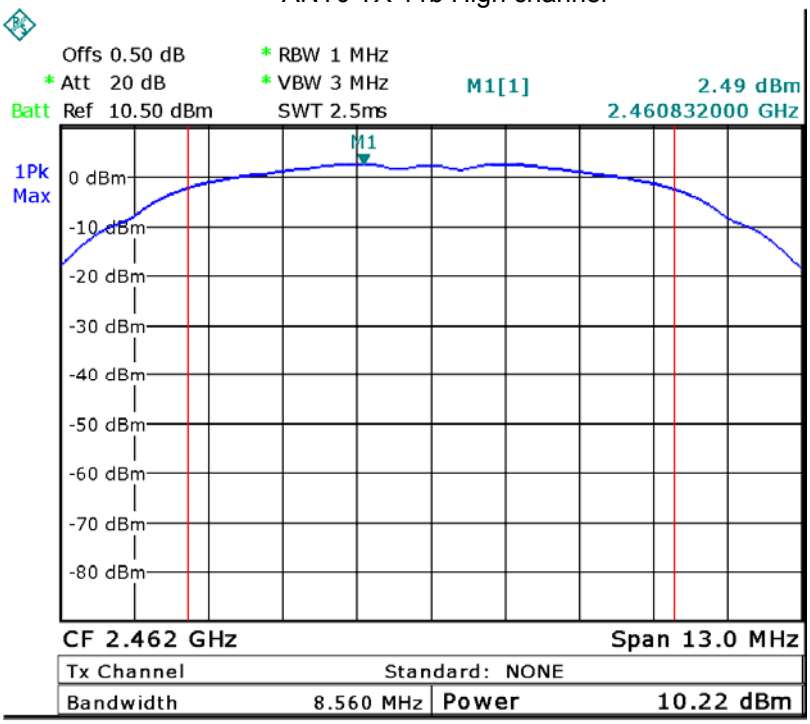
ANT0 TX 11b Low channel



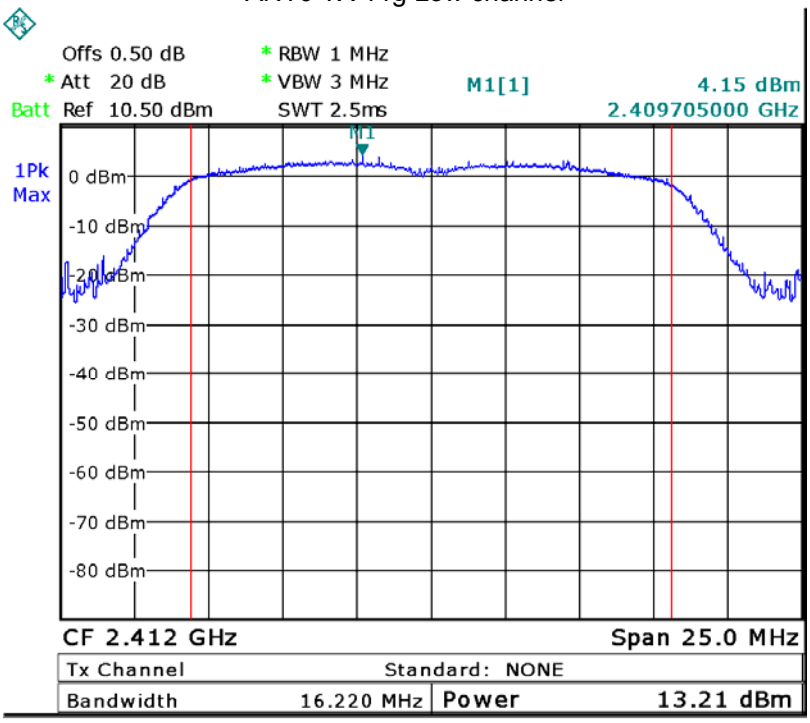
ANT0 TX 11b Middle channel



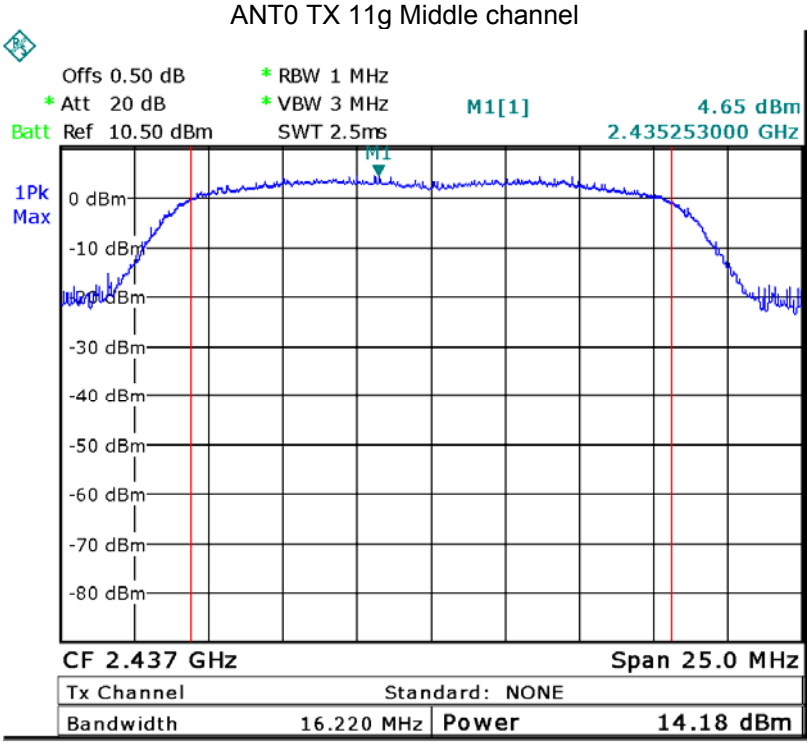
ANT0 TX 11b High channel



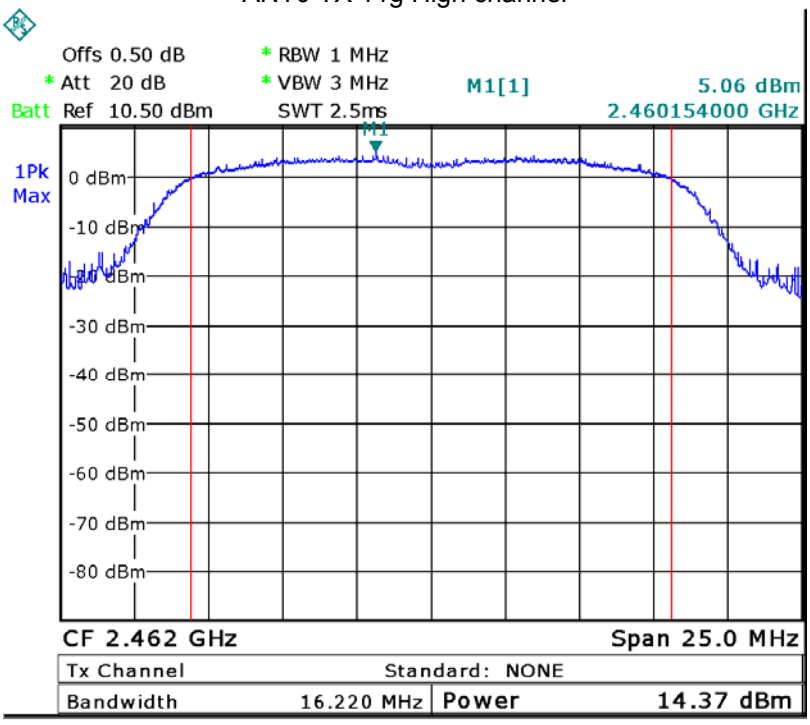
ANT0 TX 11g Low channel



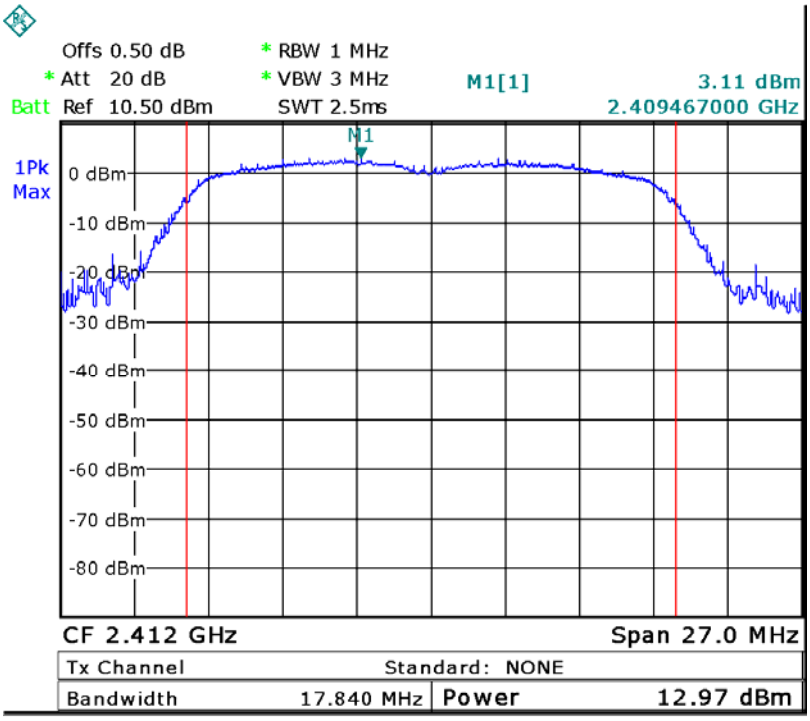
ANT0 TX 11g Middle channel



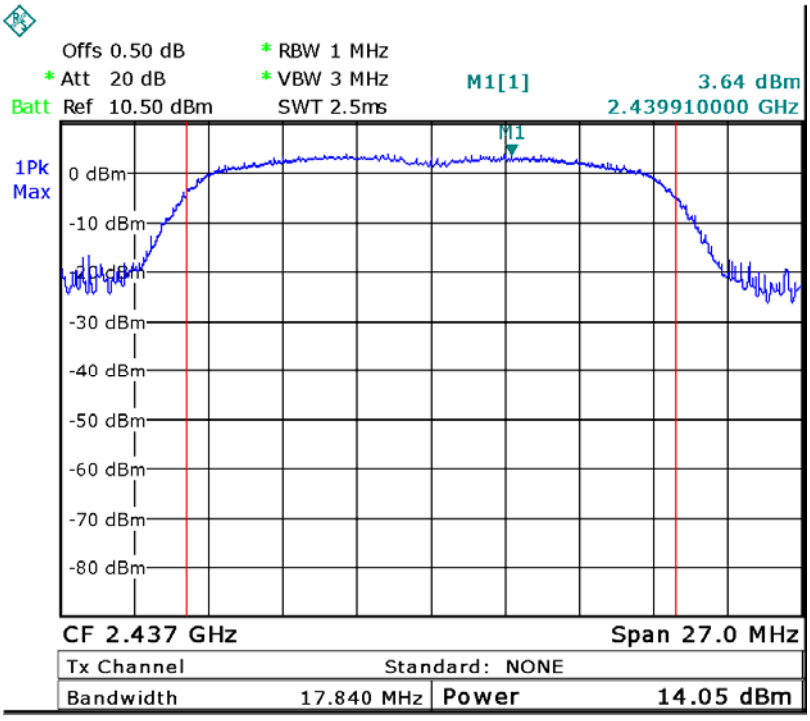
ANT0 TX 11g High channel



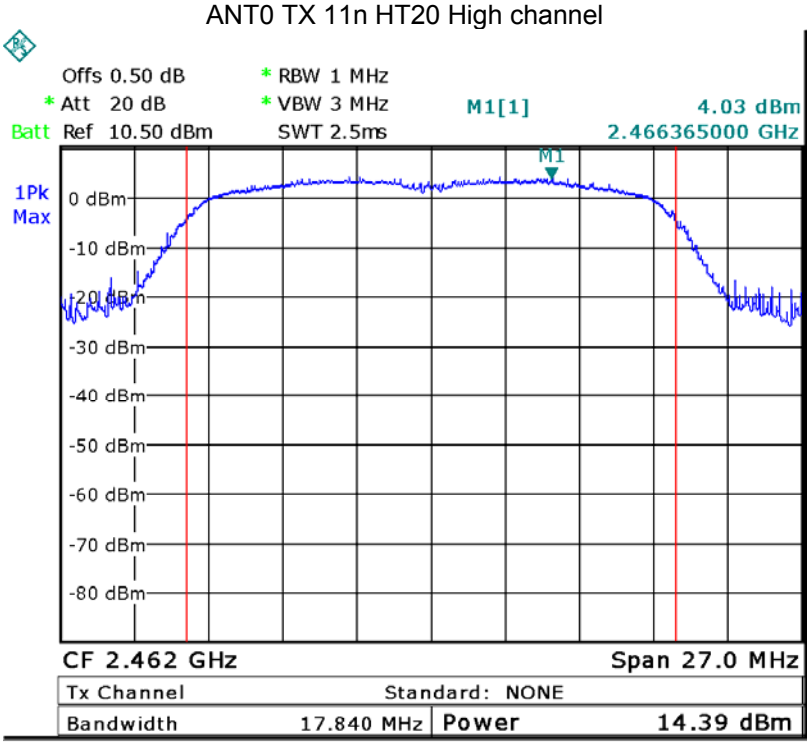
ANT0 TX 11n HT20 Low channel



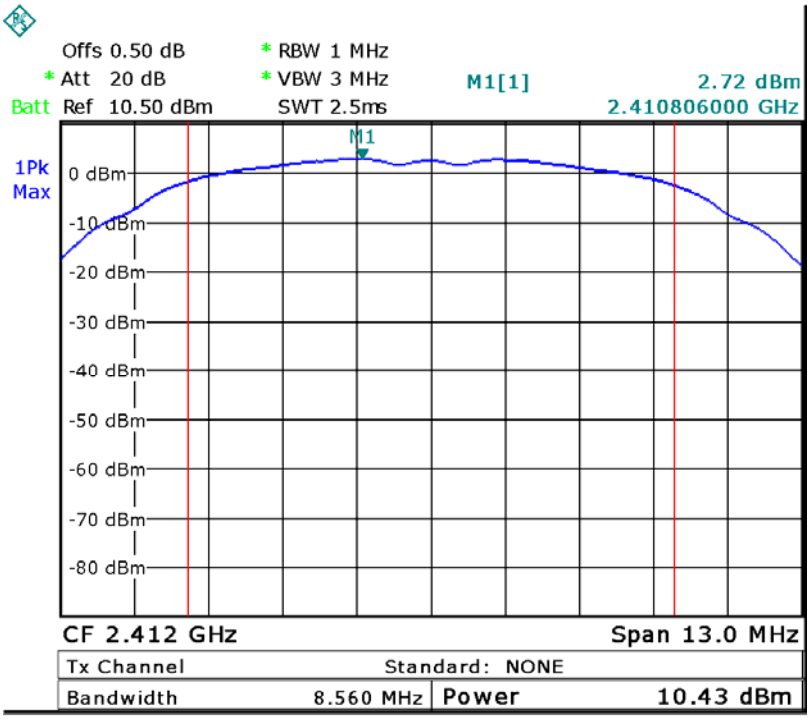
ANT0 TX 11n HT20 Middle channel



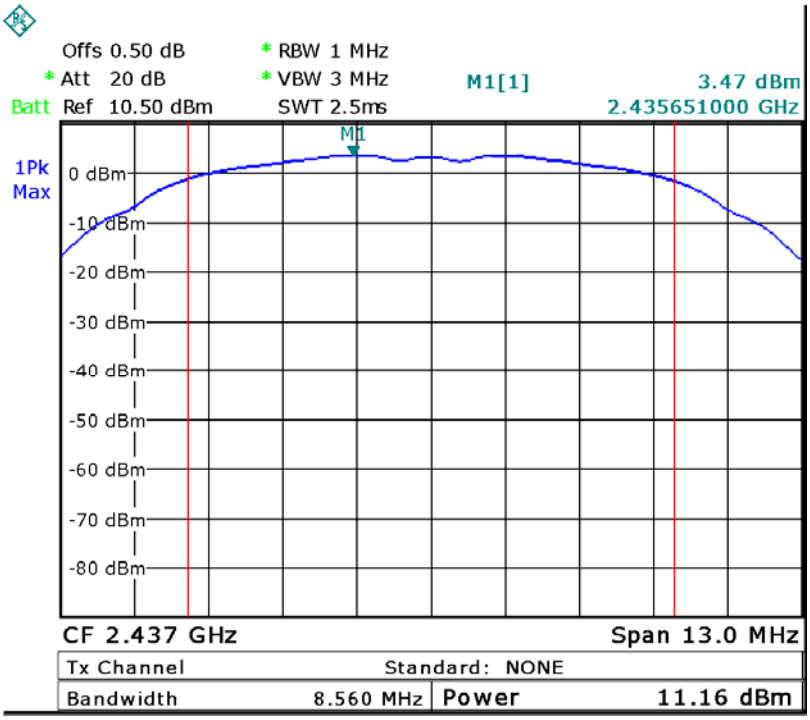
ANT0 TX 11n HT20 High channel



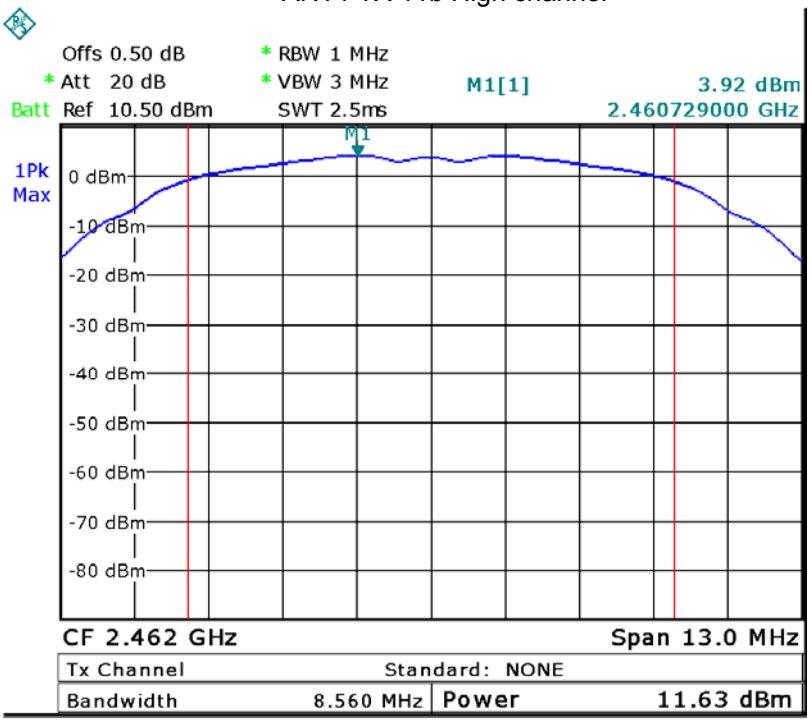
ANT1 TX 11b Low channel



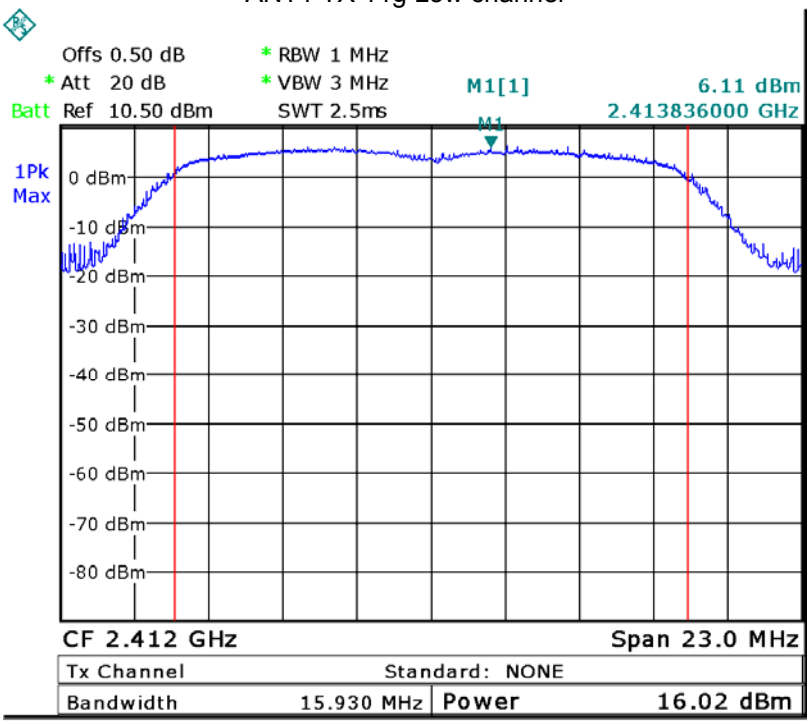
ANT1 TX 11b Middle channel



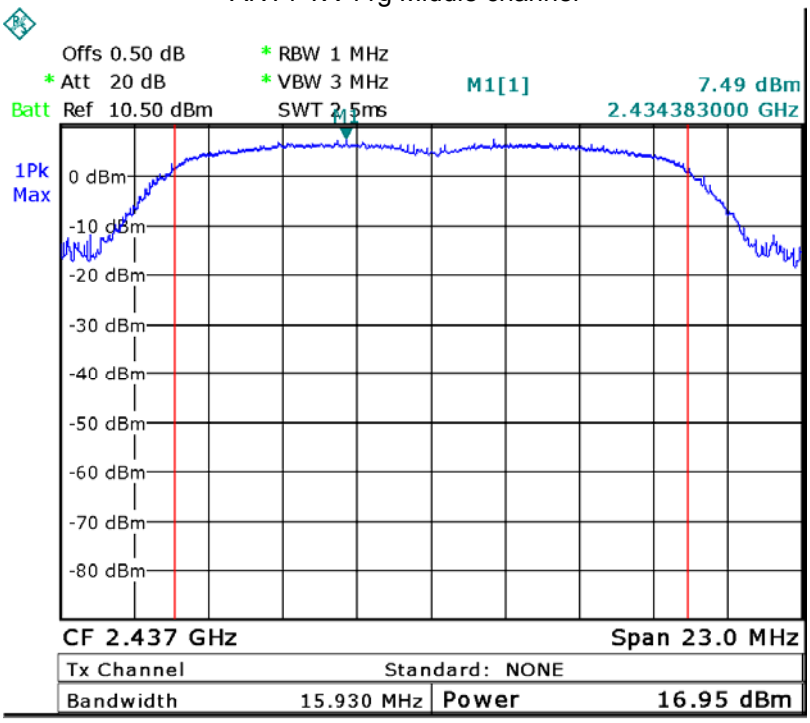
ANT1 TX 11b High channel



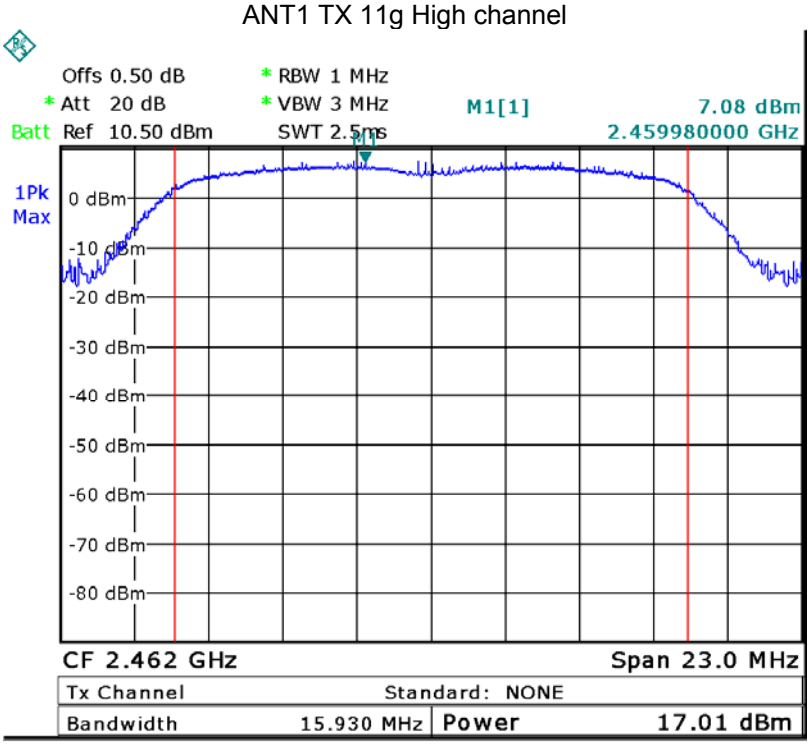
ANT1 TX 11g Low channel



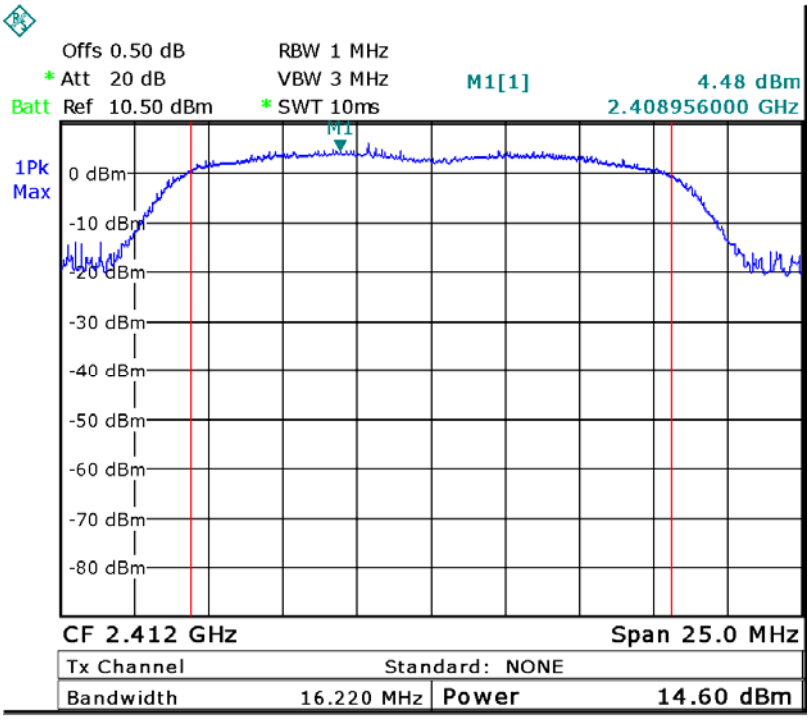
ANT1 TX 11g Middle channel



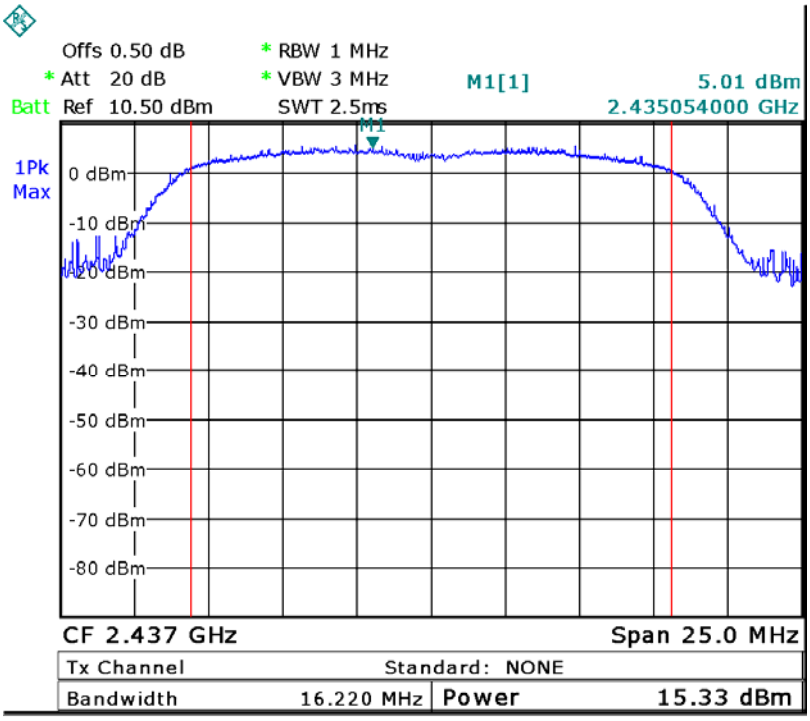
ANT1 TX 11g High channel



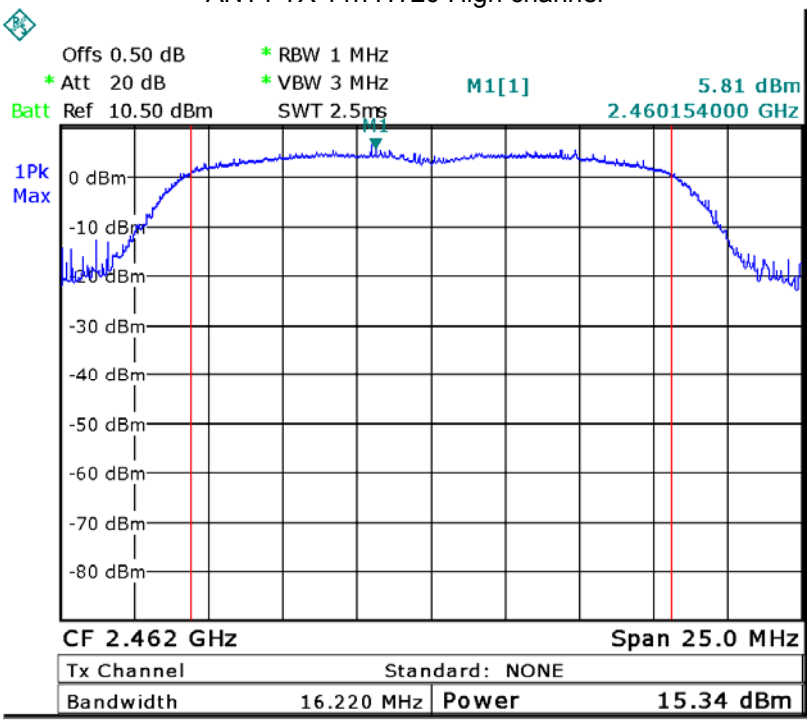
ANT1 TX 11n HT20 Low channel



ANT1 TX 11n HT20 Middle channel



ANT1 TX 11n HT20 High channel



11 Power Spectral density

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: 558074 D01 DTS Meas Guidance v03r02 June 5, 2014

11.1 Test Procedure:

KDB558074 D01 v03r01 04/09/2013 section 10.2

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

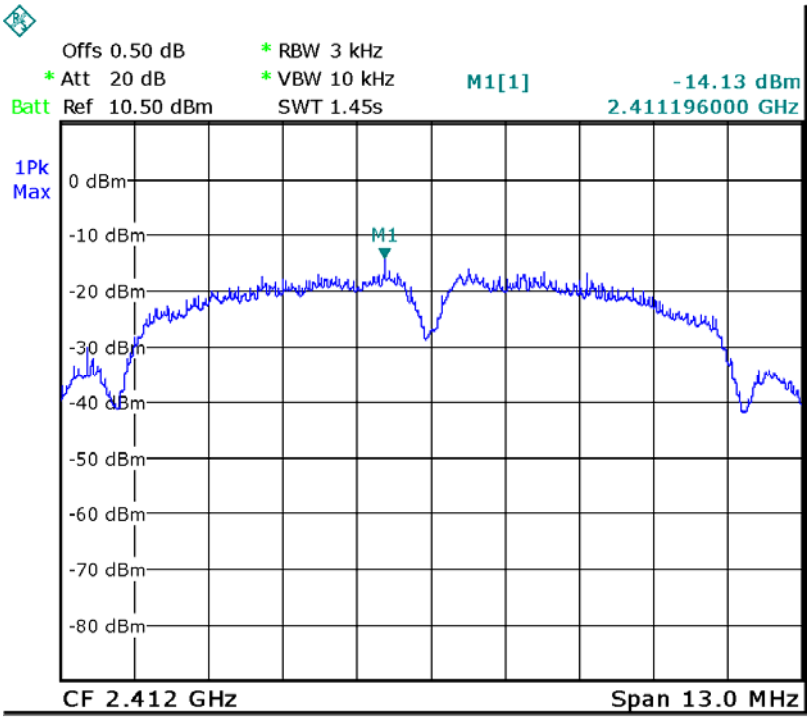
2. Set the spectrum analyzer: RBW = 3kHz. VBW = 10kHz , Span = 1.5 times the DTS channel bandwidth(6 dB bandwidth). Sweep = auto; Detector Function = Peak. Trace = Max hold.

3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

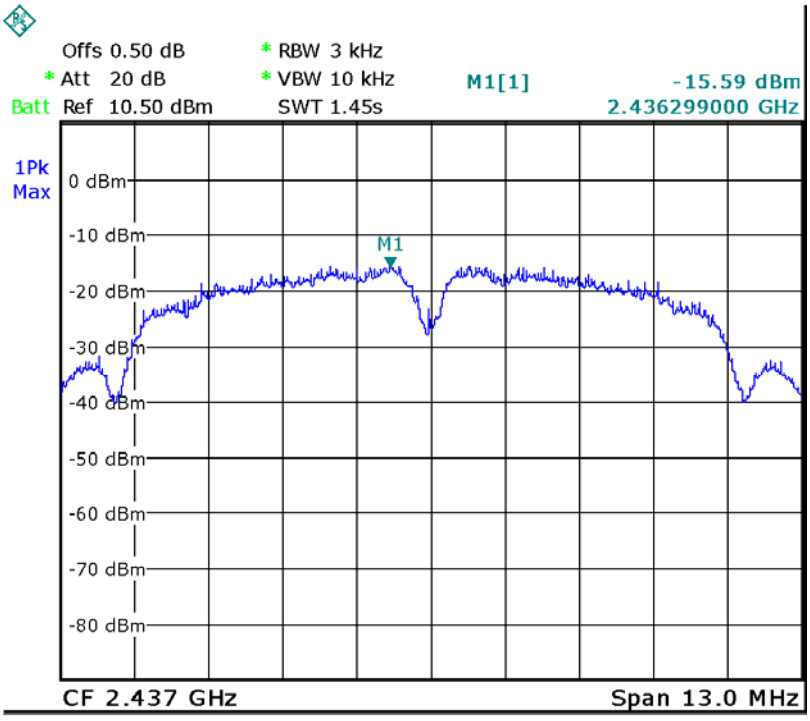
11.2 Test Result:

Operation mode	CH	Power Spectral Density (dBm/kHz)		
		ANT0	ANT1	ANT0+ANT1
802.11b	Low	-14.13	-14.78	-11.43
	Middle	-15.59	-12.88	-11.02
	High	-14.21	-14.09	-11.14
802.11g	Low	-18.98	-17.24	-15.01
	Middle	-19.42	-17.53	-15.36
	High	-19.47	-16.12	-14.47
802.11n(HT20)	Low	-19.71	-18.84	-16.24
	Middle	-18.68	-17.82	-15.22
	High	-17.91	-17.35	-14.61
Limit: 8dBm/3kHz				

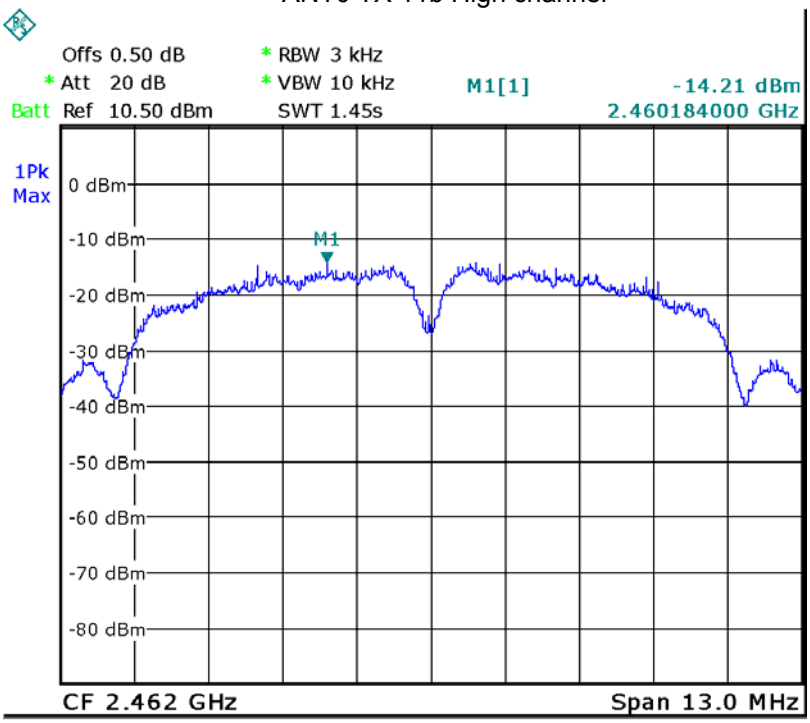
ANT0 TX 11b Low channel



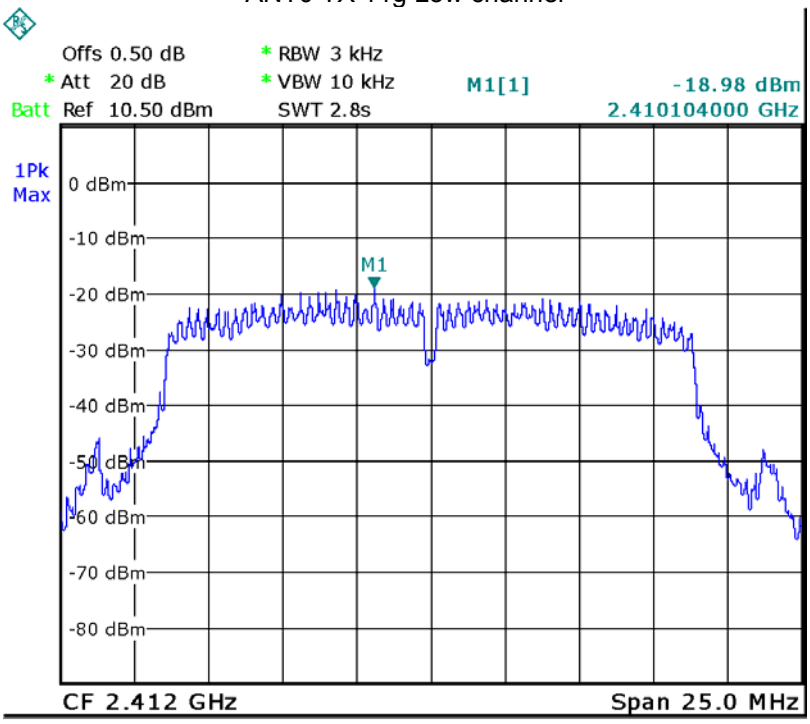
ANT0 TX 11b Middle channel



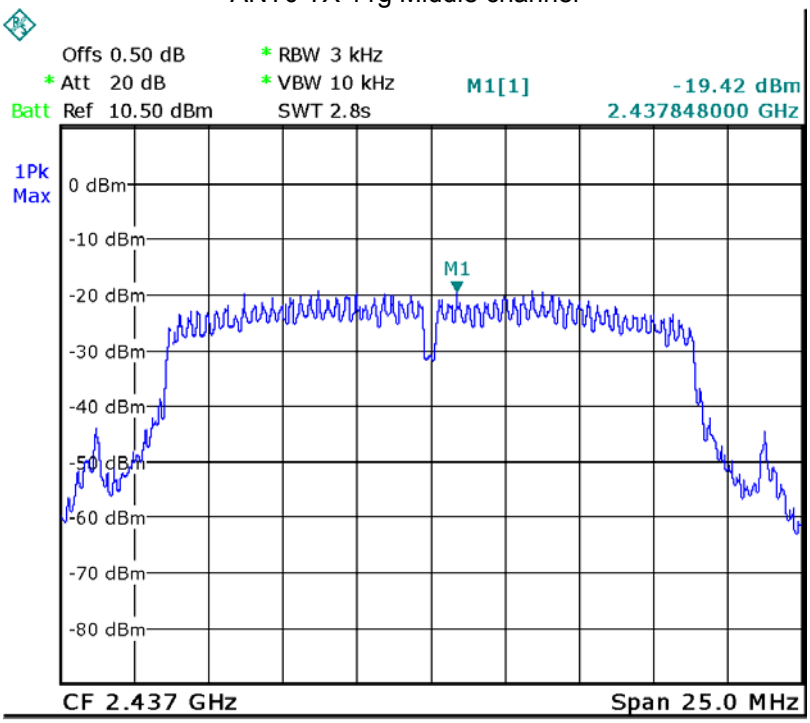
ANT0 TX 11b High channel



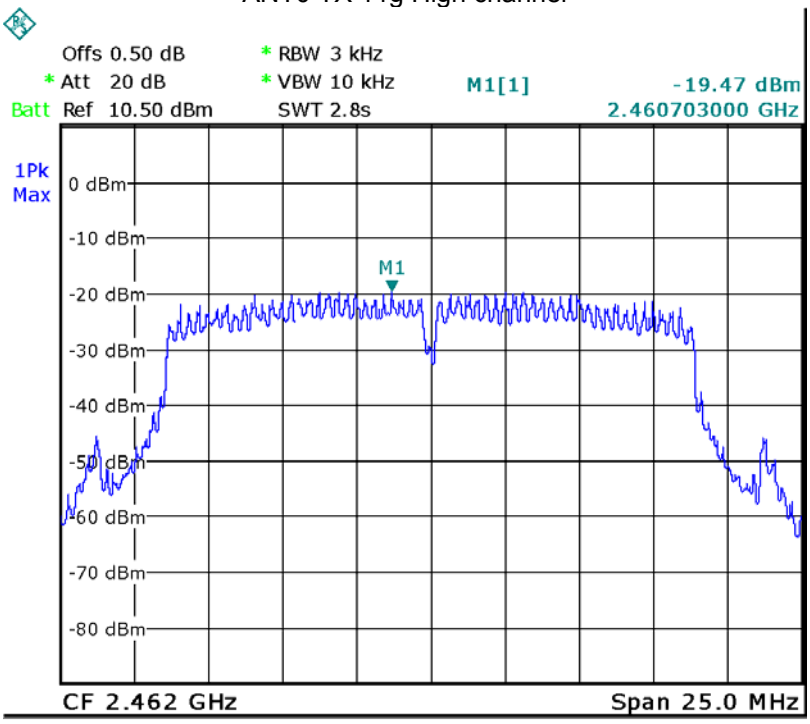
ANT0 TX 11g Low channel



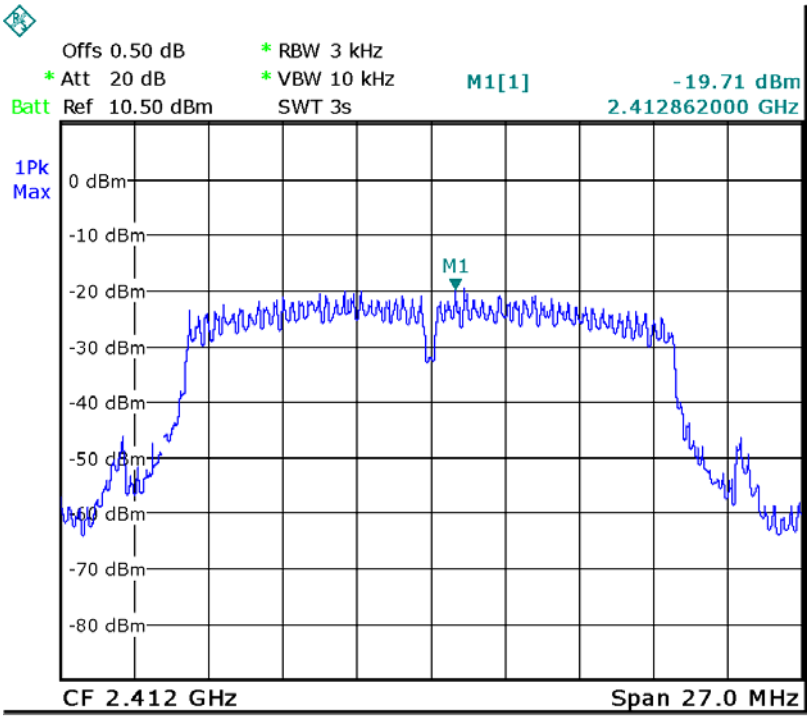
ANT0 TX 11g Middle channel



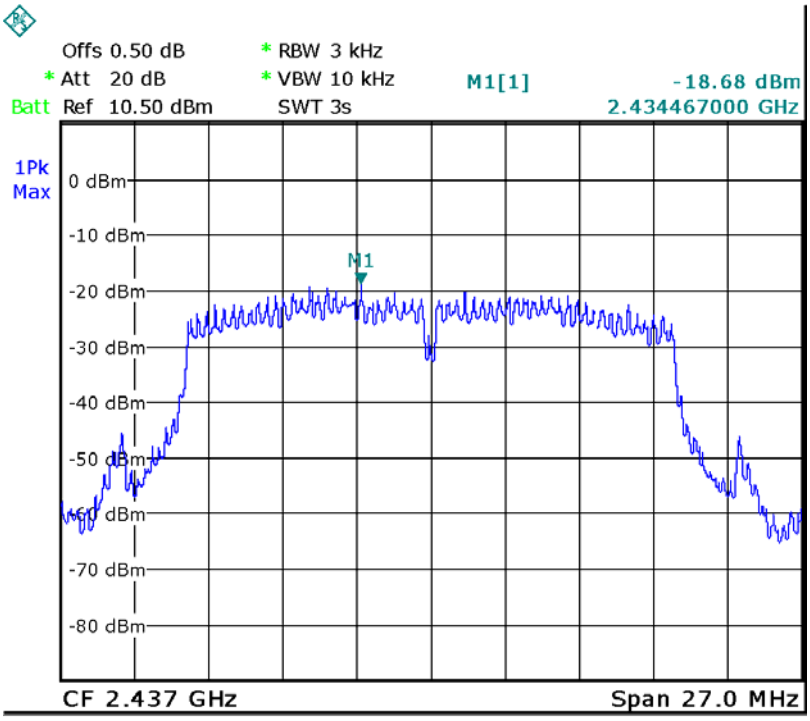
ANT0 TX 11g High channel



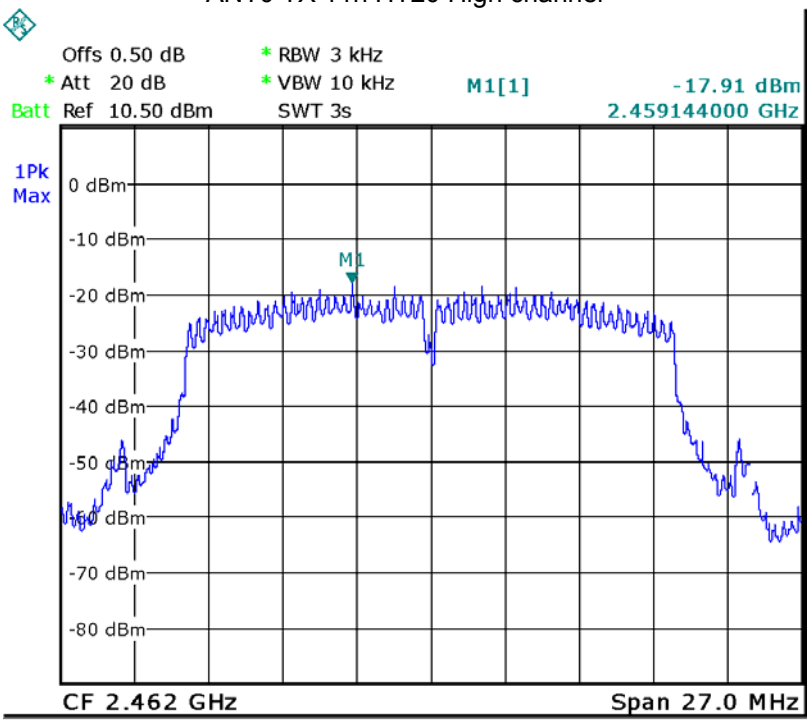
ANT0 TX 11n HT20 Low channel



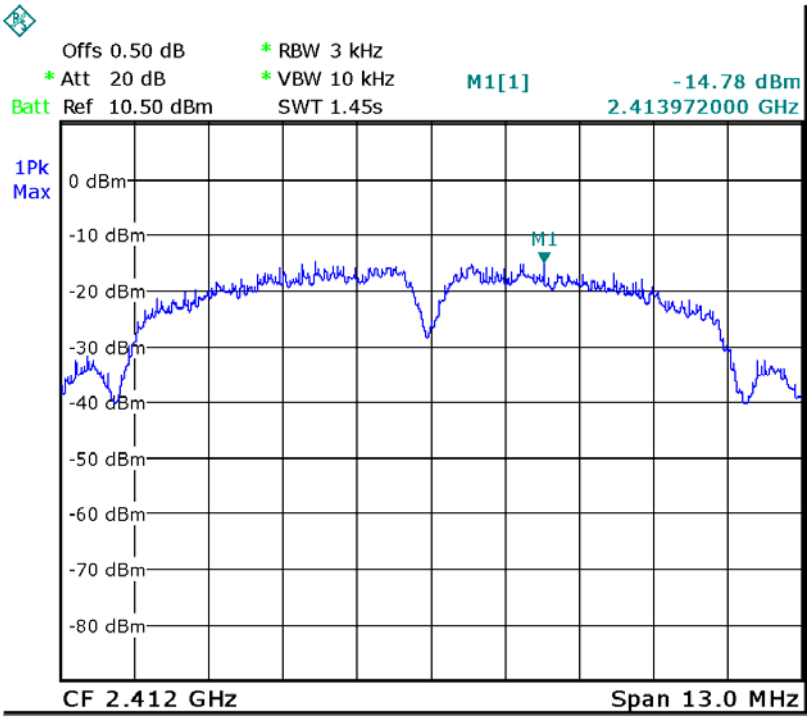
ANT0 TX 11n HT20 Middle channel



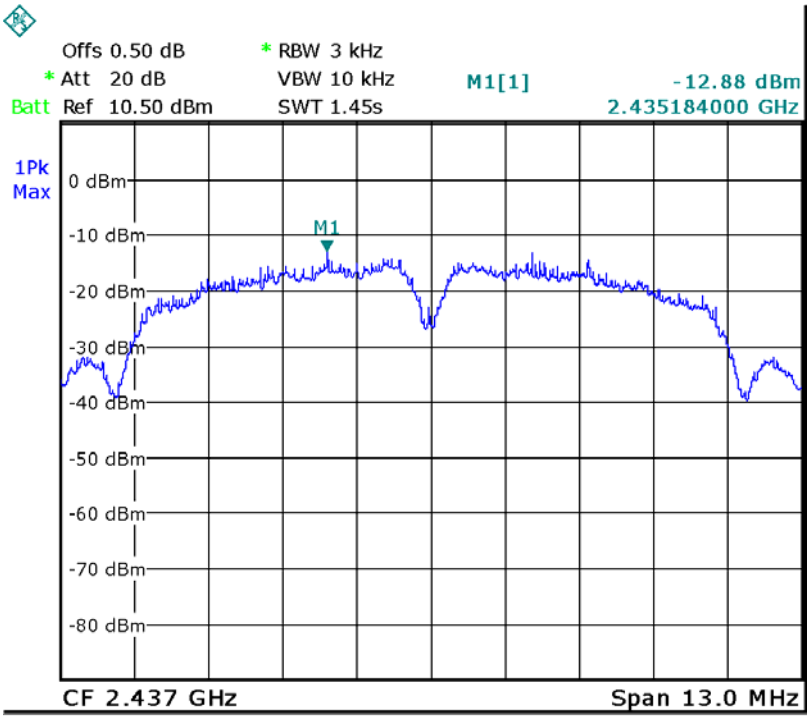
ANT0 TX 11n HT20 High channel



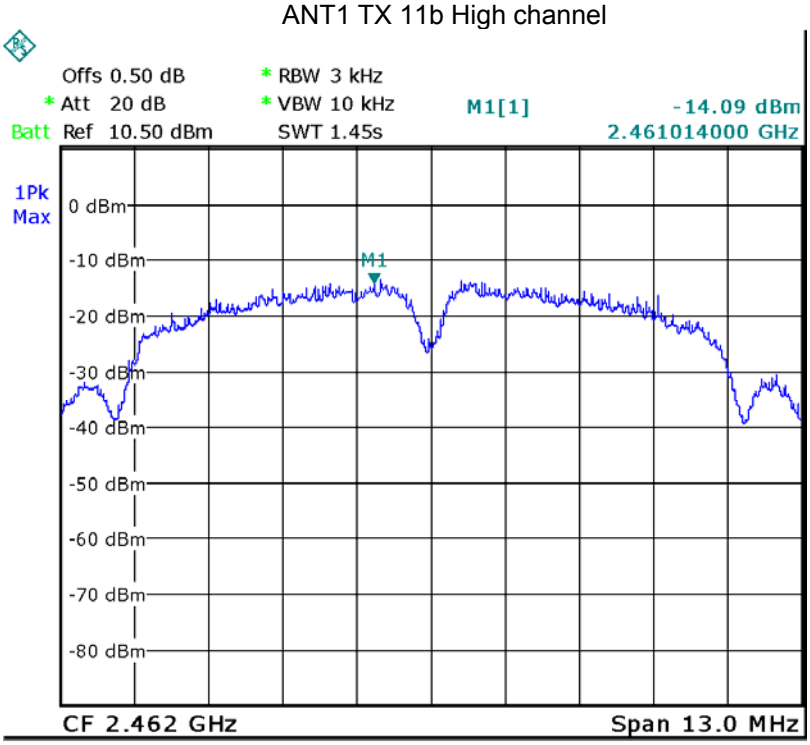
ANT1 TX 11b Low channel



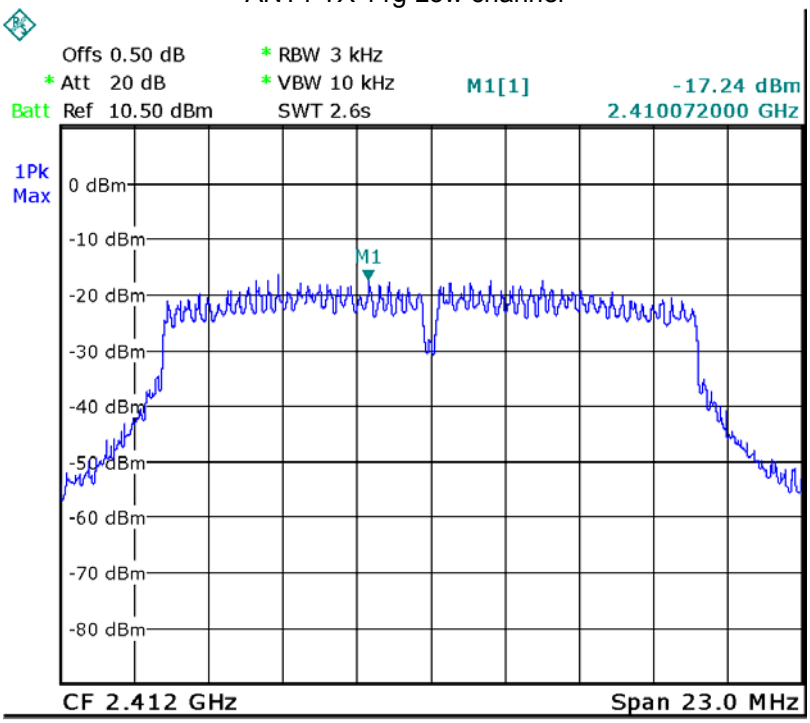
ANT1 TX 11b Middle channel



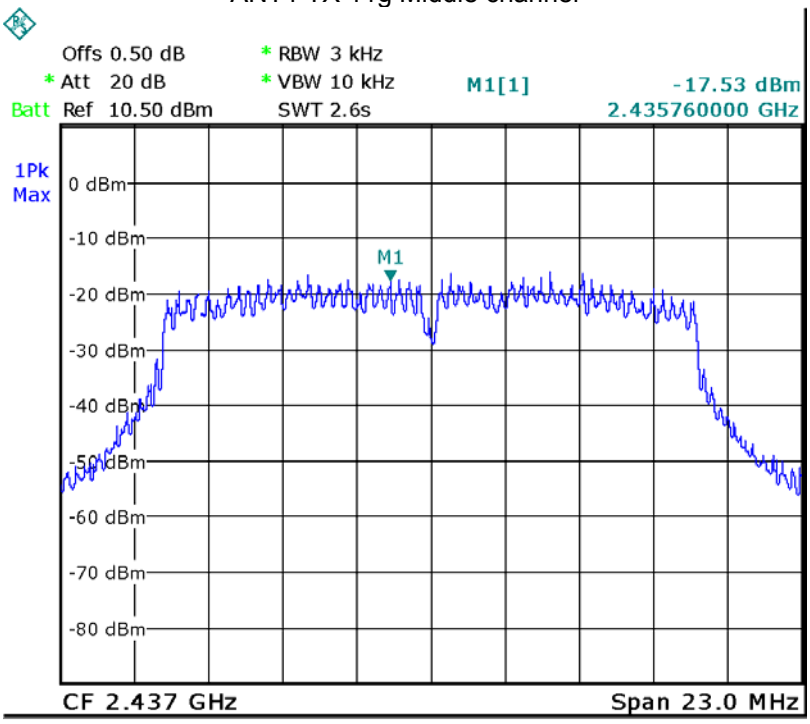
ANT1 TX 11b High channel



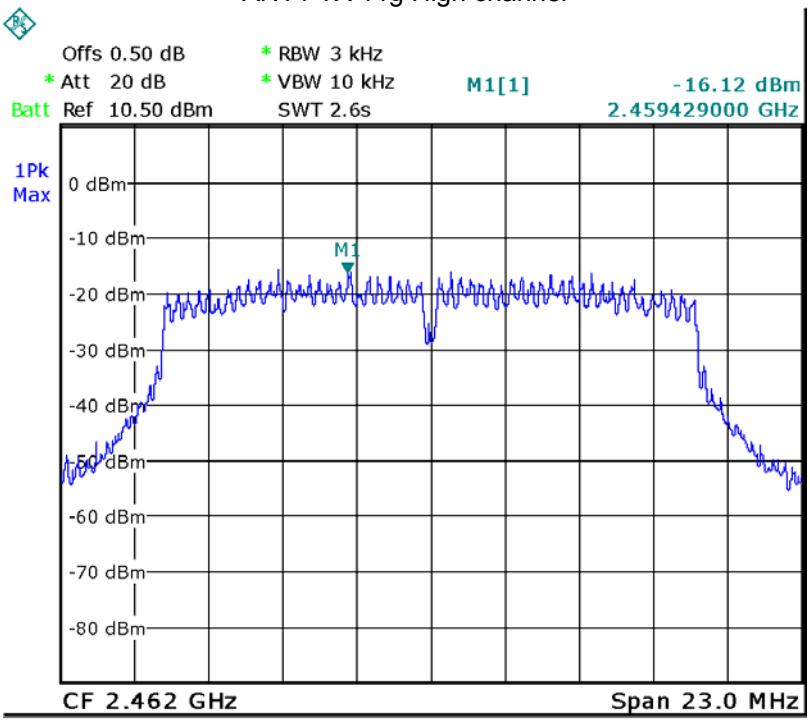
ANT1 TX 11g Low channel



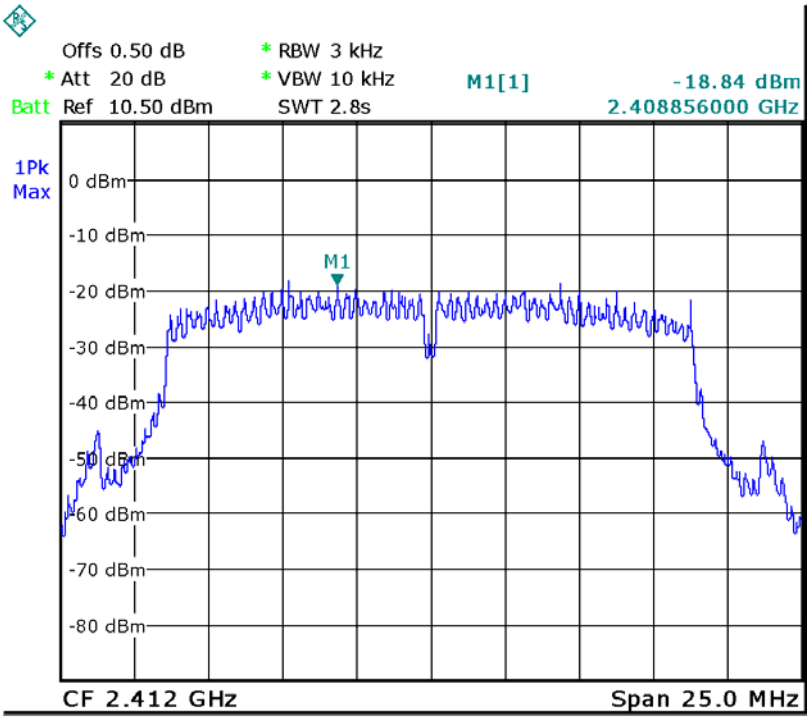
ANT1 TX 11g Middle channel



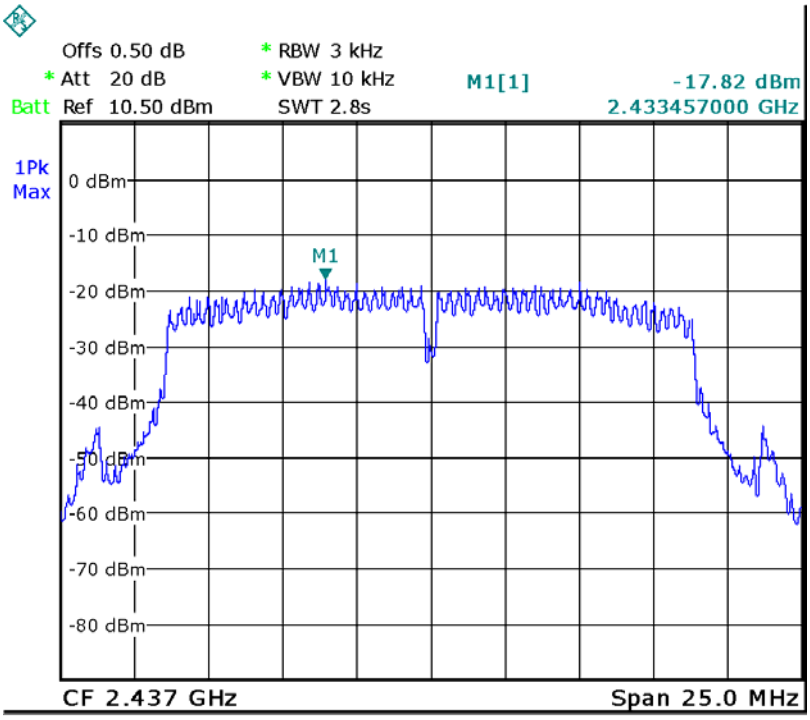
ANT1 TX 11g High channel



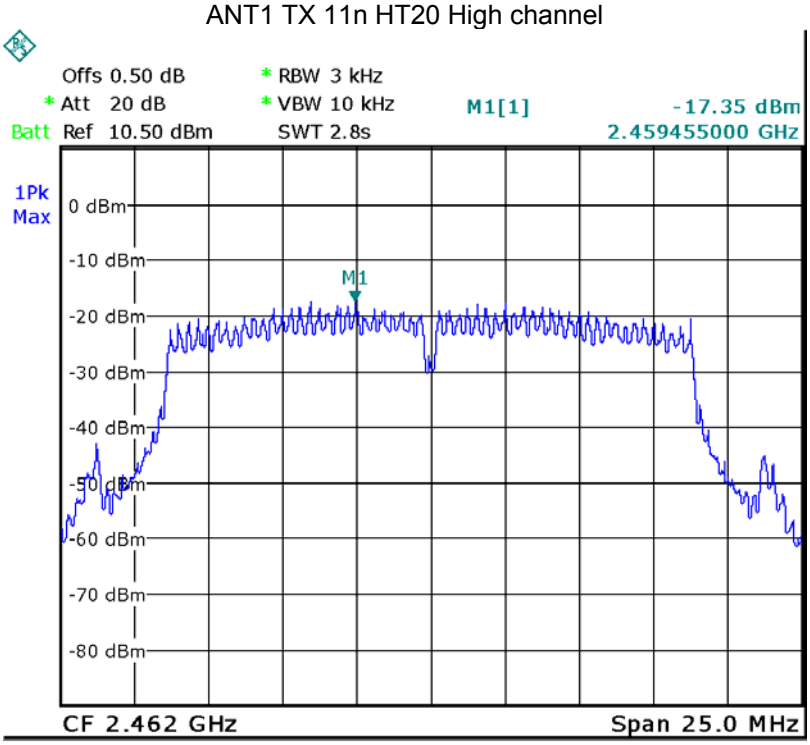
ANT1 TX 11n HT20 Low channel



ANT1 TX 11n HT20 Middle channel



ANT1 TX 11n HT20 High channel



12 Antenna Requirement

According to the FCC Part 15 Paragraph 15.203, 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. This product has an embedded-in antenna fulfill the requirement of this section.

13 RF Exposure

Test Requirement: FCC Part 1.1307

Evaluation Method: FCC Part 2.1091

13.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

13.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm^2)	Averaging Time $\|E\|^2$,$\|H\|^2$or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm^2)	Averaging Time $\|E\|^2$,$\|H\|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

13.3 MPE Calculation Method

$$\text{E (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \qquad \text{Power Density: } Pd \text{ (W/m²)} = \frac{E^2}{377}$$

E = Electric field (V/m)
P = Peak RF output power (W)
G = EUT Antenna numeric gain (numeric)
d = Separation distance between radiator and human body (m)
The formula can be changed to

$$\boldsymbol{Pd} = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

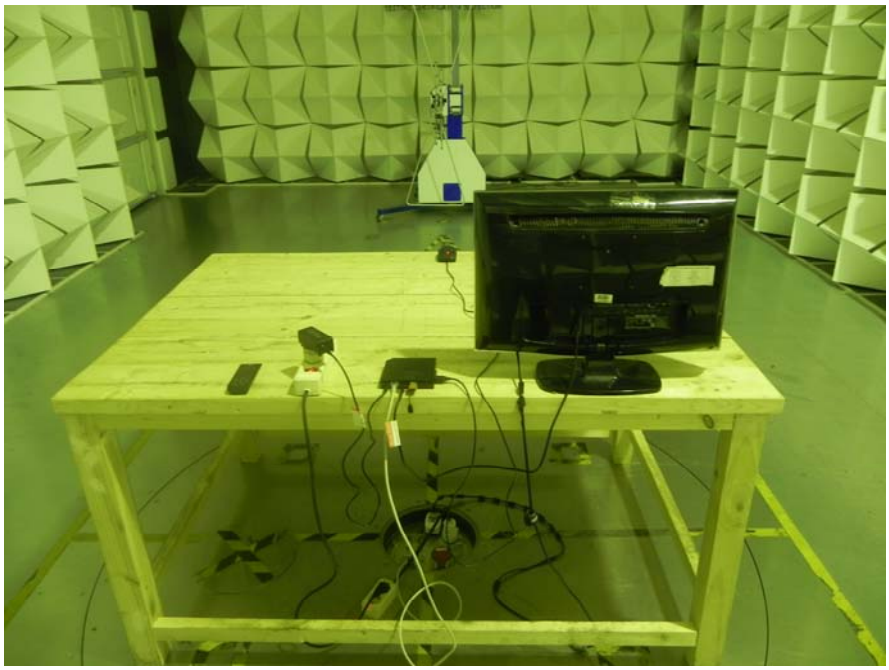
Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)
1.585	18.90	77.62	0.0245	1

14 Photographs – Model LBA-048-CH Test Setup

14.1 Conducted Emission at Test Site 1#

14.2 Radiated Emission

Test frequency from 30MHz to 1GHz at Test Site 2#



Test frequency above 1GHz at Test Site 1#

======End of Report======