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FCC REPORT

Application No:	HKES1501000090IT
Applicant:	Pismo Labs Technology Limited
Product Name:	Multi-Cellular Mobile Router (trade name: Pepwave, Peplink, Pismo)
Item No.(EUT):	MAX HD4
Add Item No.:	MAX-HD4-MFA, MAX-HD2-MFA, MFA-200
FCC ID:	U8G-P1803
Standards:	47 CFR Part 15, Subpart C (2014)
Date of Receipt:	2015-01-19
Date of Test:	2015-02-02 to 2015-02-09
Date of Issue:	2015-03-10
Test Result:	**PASS ***

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

Authorized Signature:

Jack Zhang
EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.
If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.
The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

2 Version

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
00		2015-03-10		Original

Authorized for issue by:				
Tested By		Chris Zhong **(Chris Zhong) /Project Engineer**		2015-02-09 **Date**
Prepared By		Hedy Wen **(Hedy Wen) /Clerk**		2015-03-10 **Date**
Checked By		Emen Li **(Emen Li) /Reviewer**		2015-03-10 **Date**

3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203/15.247 (c)	ANSI C63.10 2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 2013	PASS
Conducted Peak Output Power	47 CFR Part 15, Subpart C Section 15.247 (b)(3)	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01	PASS
6dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.247 (a)(2)	KDB558074 D01 v03r02	PASS
Power Spectral Density	47 CFR Part 15, Subpart C Section 15.247 (e)	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01	PASS
RF Conducted Spurious Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01	PASS
Radiated Spurious Emissions	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 2013	PASS

Remark:

Item No.: MAX HD4, MAX-HD4-MFA, MAX-HD2-MFA, MFA-200

Only the item MAX HD4 was tested, since the electrical circuit design, layout, components used and internal wiring were identical for all above items. The difference is below,

MAX HD4 contains all the function.

MAX-HD4-MFA, MAX-HD2-MFA, MFA-200 are disable some functions base on MAX HD4.

4 Contents

5 General Information

5.1 Client Information

Applicant:	Pismo Labs Technology Limited
Address of Applicant:	FLAT/RM A5, 5/F HK SPINNERS IND BLDG PHASE 6, 481 CASTLE PEAK ROAD, CHEUNG SHA WAN, HONG KONG

5.2 General Description of EUT

Product Name:	Multi-Cellular Mobile Router (trade name: Pepwave, Peplink, Pismo)
Item No.:	MAX HD4
Quote :	EE 1412105R2
Operation Frequency:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz
Channel Numbers:	IEEE 802.11b/g, IEEE 802.11n(HT20): 11 Channels IEEE 802.11n(HT40): 7 Channels
Channel Separation:	5MHz
Type of Modulation:	IEEE for 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g : OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20 and HT40) : OFDM (64QAM, 16QAM, QPSK, BPSK)
Sample Type:	Fixed production
Antenna Type:	Dual band Omni directional (Dipole)
Antenna Gain:	3dBi
Power Supply:	MODEL: ATS050-P121 INPUT: AC 100-240V 50/60Hz 1.2A MAX OUTPUT: DC 12V 4.2A
LTE module:	Model Number: MC7354
	FCC ID: N7NMC7355
DC Output Line:	146cm (Unshielded with a ferrite core)

Operation Frequency each of 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 each of channel(802.11n HT40)					
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2422MHz	4	2437MHz	7	2452MHz
2	2427MHz	5	2442MHz		
3	2432MHz	6	2447MHz		

Note:

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:

For 802.11b/g/n (HT20):

Channel	Frequency
The Lowest channel	2412MHz
The Middle channel	2437MHz
The Highest channel	2462MHz

For 802.11n (HT40):

Channel	Frequency
The Lowest channel	2422MHz
The Middle channel	2437MHz
The Highest channel	2452MHz

5.3 Test Environment and Mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	52 % RH
Atmospheric Pressure:	1020 mbar
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.
Note: During the test, we use the PC to configure the power, modulation, data rate and channels.	

5.4 Description of Support Units

The EUT has been tested with associated equipment below.

Description	Manufacturer	Model No.
PC1	IBM	2662
PC2	Lenovo	B490
Mouse1	IBM	MO28UO
Mouse2	Lenovo	MO28UOL

5.5 Test Location

All tests were performed at:

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

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

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

No tests were sub-contracted.

5.6 Test Facility

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

- **CNAS (No. CNAS L2929)**

  CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **VCCI**

  The 10m Semi-anechoic chamber and Shielded Room (7.5m x 4.0m x 3.0m) of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

- **FCC – Registration No.: 556682**

  SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen 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 No.: 556682.

- **Industry Canada (IC)**

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

5.7 Deviation from Standards

None.

5.8 Abnormalities from Standard Conditions

None.

5.9 Other Information Requested by the Customer

None.

5.10Equipment List

Conducted Emission					
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Due date (yyyy-mm-dd)**
1	Shielding Room	ZhongYu Electron	GB-88	SEL0042	2015-06-10
2	LISN	Rohde & Schwarz	ENV216	SEL0152	2015-10-24
3	LISN	ETS-LINDGREN	3816/2	SEL0021	2015-05-16
4	8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	SEL0162	2015-08-30
5	4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	SEL0163	2015-08-30
6	2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	SEL0164	2015-08-30
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEL0022	2015-05-16
8	Coaxial Cable	SGS	N/A	SEL0025	2015-05-29
9	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-24
10	Humidity/ Temperature Indicator	Shanhai Qixiang	ZJ1-2B	SEL0103	2015-10-24
11	Barometer	Chang Chun	DYM3	SEL0088	2015-05-16

RE in Chamber					
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Due date (yyyy-mm-dd)**
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEL0017	2015-06-10
2	EMI Test Receiver	Agilent Technologies	N9038A	SEL0312	2015-09-16
3	EMI Test software	AUDIX	E3	SEL0050	N/A
4	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0015	2015-10-24
5	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0006	2015-10-24
6	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEL0076	2015-10-24
7	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	2015-05-16
8	Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEL0168	2015-10-24
9	Coaxial cable	SGS	N/A	SEL0027	2015-05-29
10	Coaxial cable	SGS	N/A	SEL0189	2015-05-29
11	Coaxial cable	SGS	N/A	SEL0121	2015-05-29
12	Coaxial cable	SGS	N/A	SEL0178	2015-05-29
13	Band filter	Amindeon	82346	SEL0094	2015-05-16
14	Barometer	Chang Chun	DYM3	SEL0088	2015-05-16
15	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-24
16	Humidity/ Temperature Indicator	Shanhai Qixiang	ZJ1-2B	SEL0103	2015-10-24
17	Signal Generator (10M-27GHz)	Rohde & Schwarz	SMR27	SEL0067	2015-05-16
18	Signal Generator	Rohde & Schwarz	SMY01	SEL0155	2015-10-24
19	Loop Antenna	Beijing Daze	ZN30401	SEL0203	2015-06-04

RF connected test					
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Due date (yyyy-mm-dd)**
1	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-24
2	Humidity/ Temperature Indicator	HYGRO	ZJ1-2B	SEL0033	2015-10-24
3	Spectrum Analyzer	Rohde & Schwarz	FSP	SEL0154	2015-10-24
4	Coaxial cable	SGS	N/A	SEL0178	2015-05-29
5	Coaxial cable	SGS	N/A	SEL0179	2015-05-29
6	Barometer	ChangChun	DYM3	SEL0088	2015-05-16
7	Signal Generator	Rohde & Schwarz	SML03	SEL0068	2015-05-16
8	Band filter	amideon	82346	SEL0094	2015-05-16
9	POWER METER	R & S	NRVS	SEL0144	2015-10-24
10	Attenuator	Beijin feihang taida	TST-2-6dB	SEL0205	2015-05-16
11	Power Divider(splitter)	Agilent Technologies	11636B	SEL0130	2015-10-24

Note: The calibration interval is one year, all the instruments are valid.

6 Test results and Measurement Data

6.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203 /247(c)

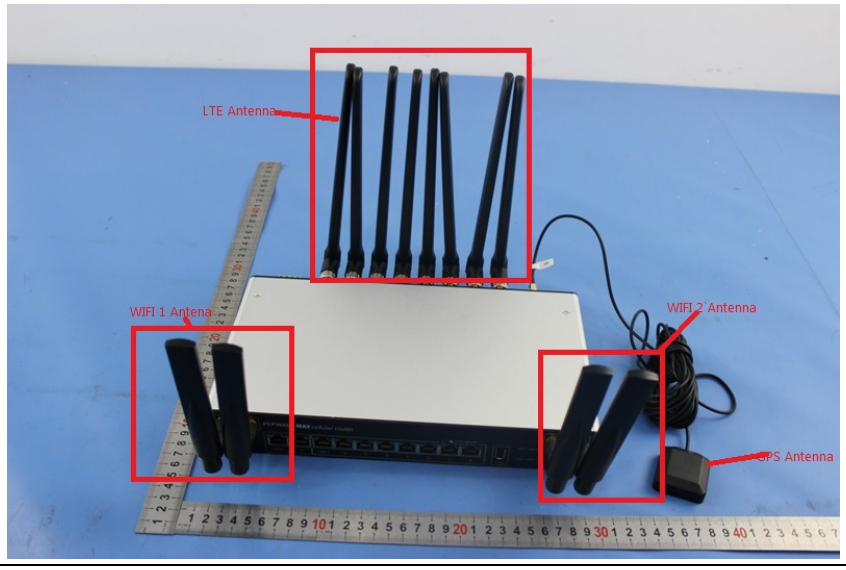
15.203 requirement:

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.

15.247(b) (4) requirement:

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

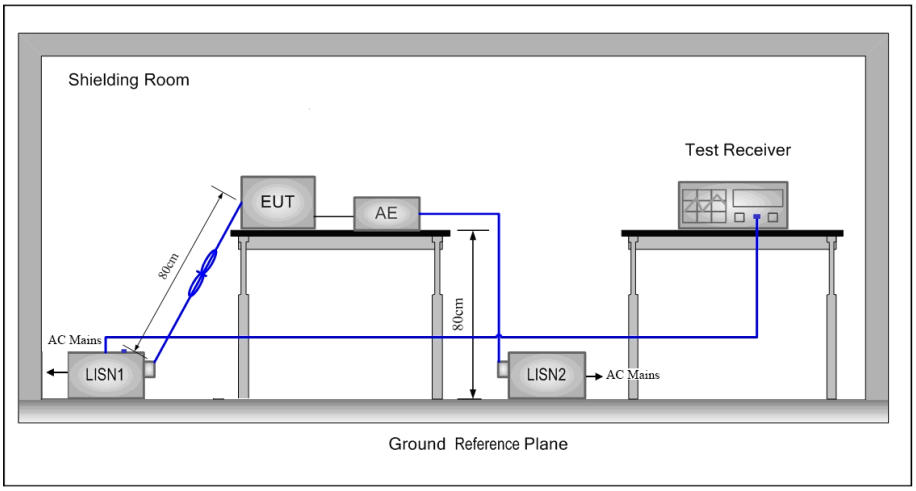
EUT Antenna:



The antenna is reverse polarity SMA antenna and it connects to antenna port of WIFI module via antennae connector, so it doesn't consideration of replacement. The best case gain of the antenna is 3dBi.

6.2 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:	1) The mains terminal disturbance voltage test was conducted in a shielded room. 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 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. 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane. 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2. 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.

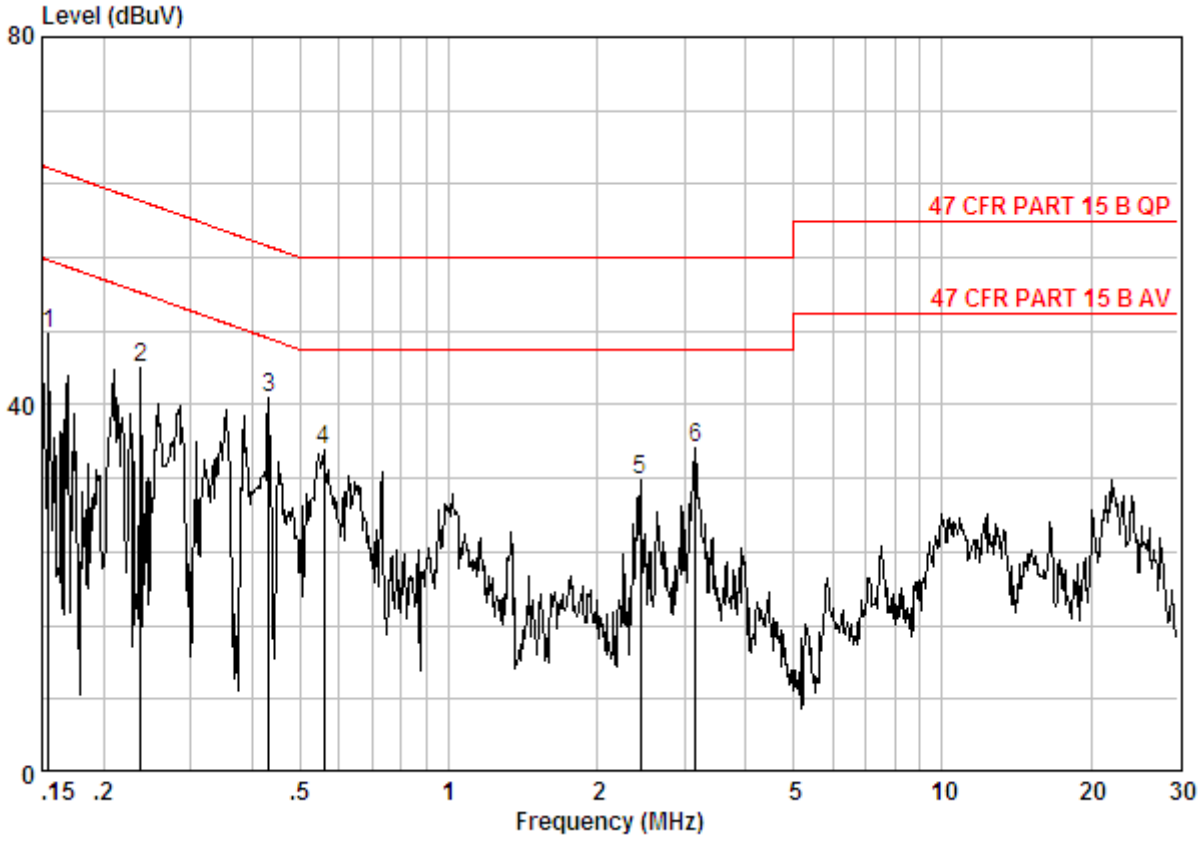
Test Setup:	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel. Transmitting mode, Wi-Fi 1 is on, Wi-Fi 2 is on, Both Wi-Fi is on.
Final Test Mode:	Through Pre-scan, find the 1Mbps of rate of 802.11b at lowest channel and power supply by DC 12V adapter is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

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.

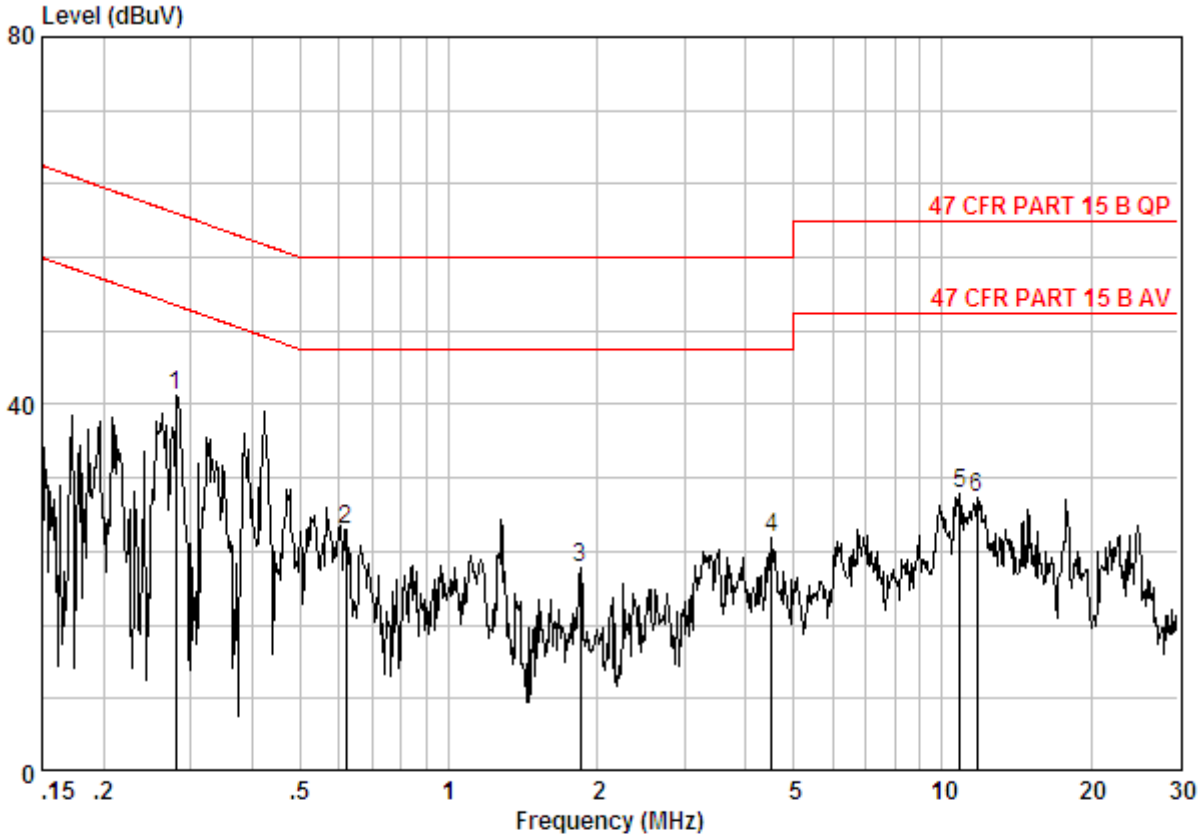
Live Line:



Site : Shielding Room
Condition : 47 CFR PART 15 B AV CE LINE
Job.No : 0090IT
Mode : 2462 TX

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 @	0.15485	0.02	9.70	38.00	47.72	55.74	-8.01	Peak
2 @	0.23784	0.02	9.70	34.34	44.05	52.17	-8.12	Peak
3 @	0.43281	0.01	9.80	30.88	40.69	47.20	-6.51	Peak
4	0.55814	0.01	9.80	25.35	35.16	46.00	-10.84	Peak
5	2.448	0.02	9.82	21.95	31.80	46.00	-14.20	Peak
6	3.156	0.02	9.85	25.41	35.28	46.00	-10.72	Peak

Neutral Line:



Site : Shielding Room
Condition : 47 CFR PART 15 B AV CE NEUTRAL
Job.No : 0090IT
Mode : 2462 TX

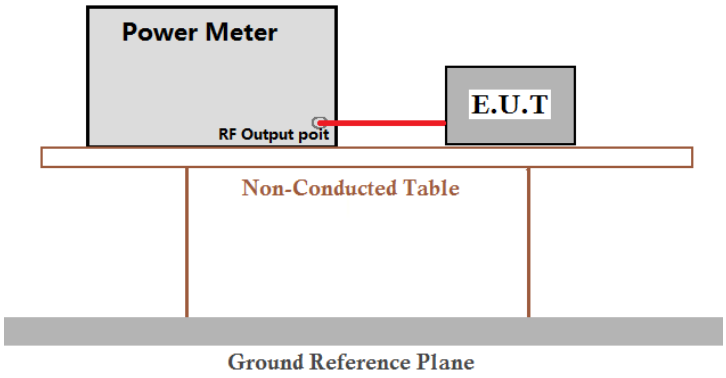
	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.28029	0.01	9.70	31.33	41.04	50.81	-9.77	Peak
2	0.62054	0.02	9.80	16.50	26.31	46.00	-19.69	Peak
3	1.848	0.02	9.80	12.35	22.17	46.00	-23.83	Peak
4	4.501	0.01	9.89	15.65	25.55	46.00	-20.45	Peak
5	10.847	0.01	10.00	20.24	30.25	50.00	-19.75	Peak
6	11.745	0.01	10.00	19.92	29.94	50.00	-20.06	Peak

Notes:

1. The following Quasi-Peak and Average measurements were performed on the EUT:

2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

6.3 Conducted Peak Output Power

Test Requirement:	47 CFR Part 15C Section 15.247 (b)(3)
Test Method:	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01
Test Setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*
Test Instruments:	Refer to section 5.10 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

Measurement Data

Wi-Fi 1

802.11b mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2			
Lowest	16.51	17.50		30.00	Pass
Middle	16.14	16.62		30.00	Pass
Highest	16.05	15.70		30.00	Pass
802.11g mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2			
Lowest	20.65	20.63		30.00	Pass
Middle	20.63	19.91		30.00	Pass
Highest	20.30	19.27		30.00	Pass
802.11n(HT20)mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
Lowest	18.43	18.54	21.50	30.00	Pass
Middle	18.20	17.92	21.07	30.00	Pass
Highest	17.77	17.27	20.54	30.00	Pass
802.11n(HT40)mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
Lowest	18.45	18.90	21.69	30.00	Pass
Middle	18.62	18.19	21.42	30.00	Pass
Highest	18.36	18.06	21.22	30.00	Pass

Wi-Fi 2

802.11b mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2			
Lowest	16.88	16.00		30.00	Pass
Middle	16.06	15.90		30.00	Pass
Highest	16.01	15.53		30.00	Pass
802.11g mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2			
Lowest	20.87	20.47		30.00	Pass
Middle	19.83	20.30		30.00	Pass
Highest	20.24	19.92		30.00	Pass
802.11n(HT20)mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
Lowest	18.30	17.66	21.00	30.00	Pass
Middle	17.79	17.72	20.77	30.00	Pass
Highest	17.71	17.29	20.52	30.00	Pass
802.11n(HT40)mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
Lowest	18.56	17.99	21.29	30.00	Pass
Middle	18.14	18.02	21.09	30.00	Pass
Highest	17.83	17.82	20.84	30.00	Pass

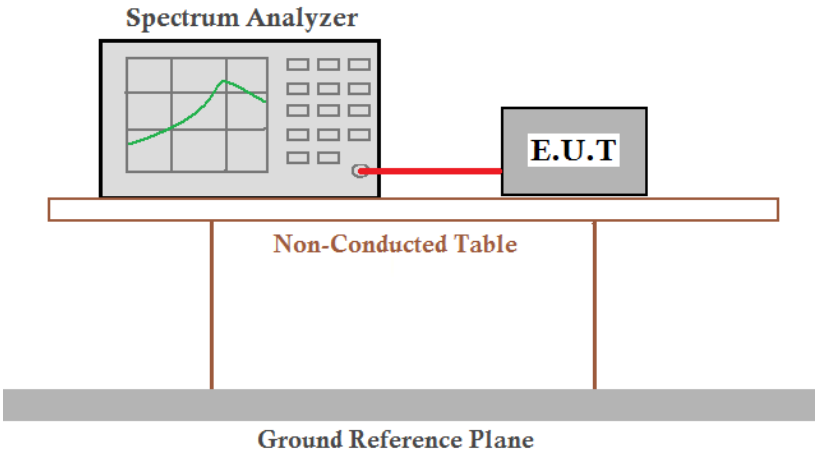
Wi-Fi 1 + Wi-Fi 2

802.11b mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Wi-Fi 1	Wi-Fi 2	Total		
Lowest	17.50	16.88	20.21	30.00	Pass
Middle	16.62	16.06	19.36	30.00	Pass
Highest	16.05	16.01	19.04	30.00	Pass
802.11g mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Wi-Fi 1	Wi-Fi 2	Total		
Lowest	20.65	20.87	23.77	30.00	Pass
Middle	20.63	20.30	23.46	30.00	Pass
Highest	20.30	20.24	23.28	30.00	Pass
802.11n(HT20)mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Wi-Fi 1	Wi-Fi 2	Total		
Lowest	21.50	21.00	24.27	30.00	Pass
Middle	21.07	20.77	23.93	30.00	Pass
Highest	20.54	20.52	23.54	30.00	Pass
802.11n(HT40)mode					
Test channel	Peak Output Power (dBm)			Limit (dBm)	Result
	Wi-Fi 1	Wi-Fi 2	Total		
Lowest	21.69	21.29	24.50	30.00	Pass
Middle	21.42	21.09	24.27	30.00	Pass
Highest	21.22	20.84	24.04	30.00	Pass

Remark: For 802.11b & 802.11g, the total output power = Max output power (come from the Max antenna port of WI-FI 1) + Max output power (come from the Max antenna port of WI-FI 2)

For 802.11n, the total output power =total output power of Wi-Fi 1 +output power of Wi-Fi 2

6.4 6dB Occupy Bandwidth

Test Requirement:	47 CFR Part 15C Section 15.247 (a)(2)
Test Method:	KDB558074 D01 v03r02
Test Setup:	
Instruments Used:	Refer to section 5.10 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
Remark: Through Pre-scan WIFI1 and WIFI2, find the power of antenna 1 is larger than antenna 2 , so only the antenna 1 of each WIFI test data is included in this report	

Measurement Data

Wi-Fi 1

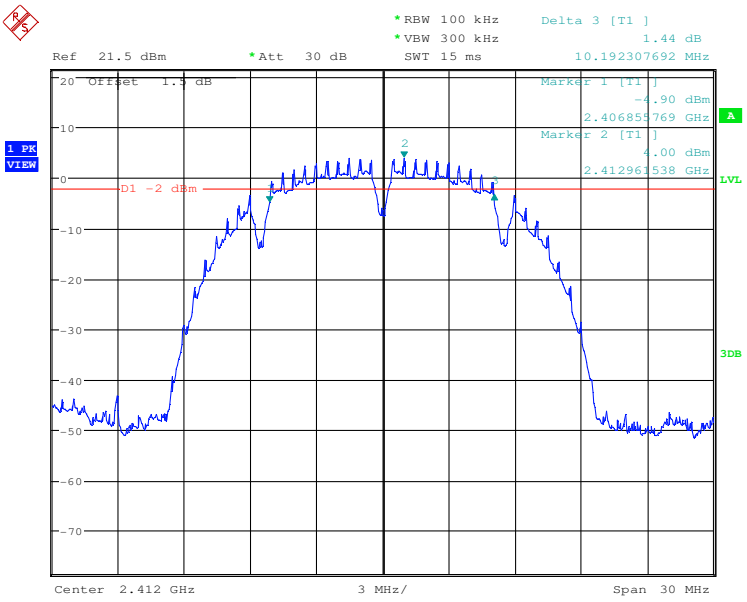
802.11b mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest	10.19	≥500	Pass
Middle	10.19	≥500	Pass
Highest	10.19	≥500	Pass
802.11g mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest	16.68	≥500	Pass
Middle	16.63	≥500	Pass
Highest	16.63	≥500	Pass
802.11n(HT20) mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest	17.88	≥500	Pass
Middle	17.93	≥500	Pass
Highest	17.88	≥500	Pass
802.11n(HT40)mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest	36.78	≥500	Pass
Middle	36.78	≥500	Pass
Highest	36.78	≥500	Pass

Wi-Fi 2

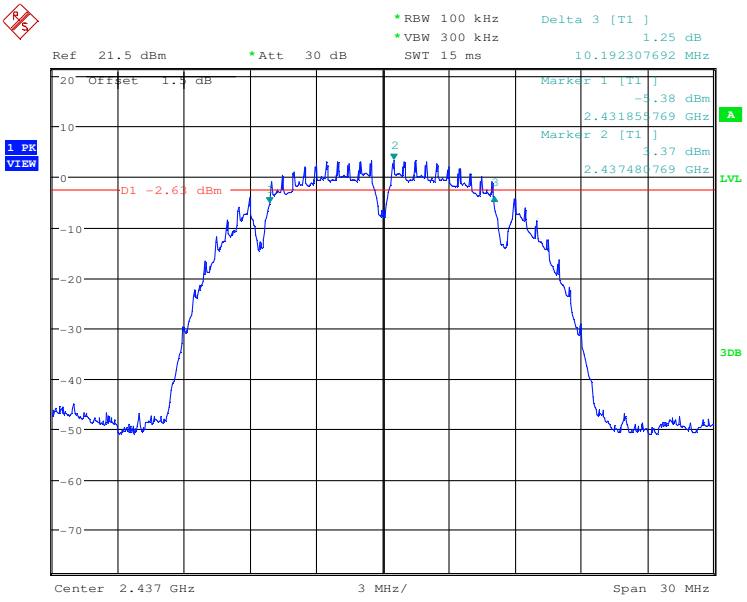
802.11b mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest	10.19	≥500	Pass
Middle	10.19	≥500	Pass
Highest	10.14	≥500	Pass
802.11g mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest	16.68	≥500	Pass
Middle	16.63	≥500	Pass
Highest	16.68	≥500	Pass
802.11n(HT20) mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest	17.93	≥500	Pass
Middle	17.93	≥500	Pass
Highest	17.93	≥500	Pass
802.11n(HT40)mode			
Test channel	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
Lowest	36.78	≥500	Pass
Middle	36.78	≥500	Pass
Highest	36.78	≥500	Pass

Test plot as follows:
Wi-Fi 1
Antenna 1

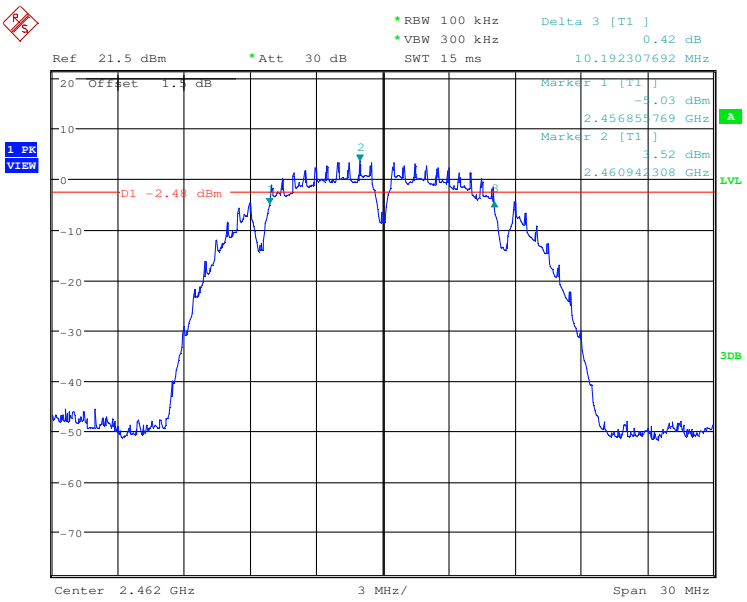
Test mode:	802.11b	Test channel:	Lowest



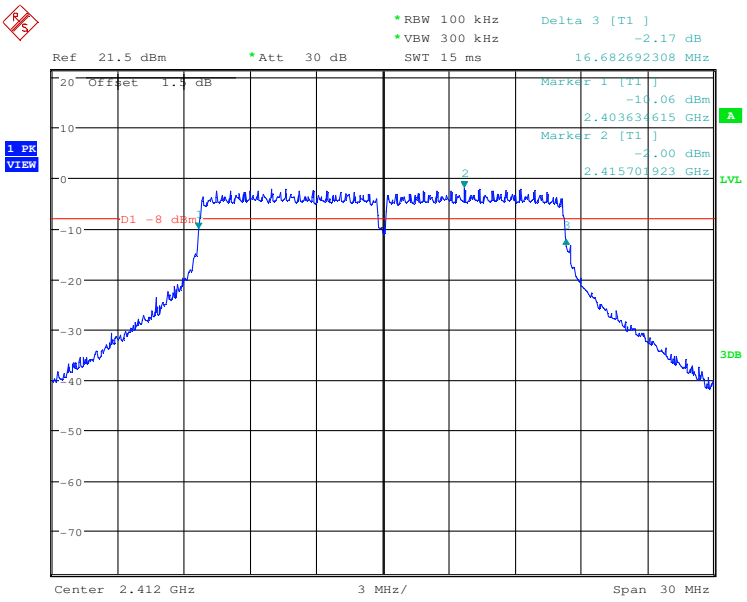
Test mode:	802.11b	Test channel:	Middle



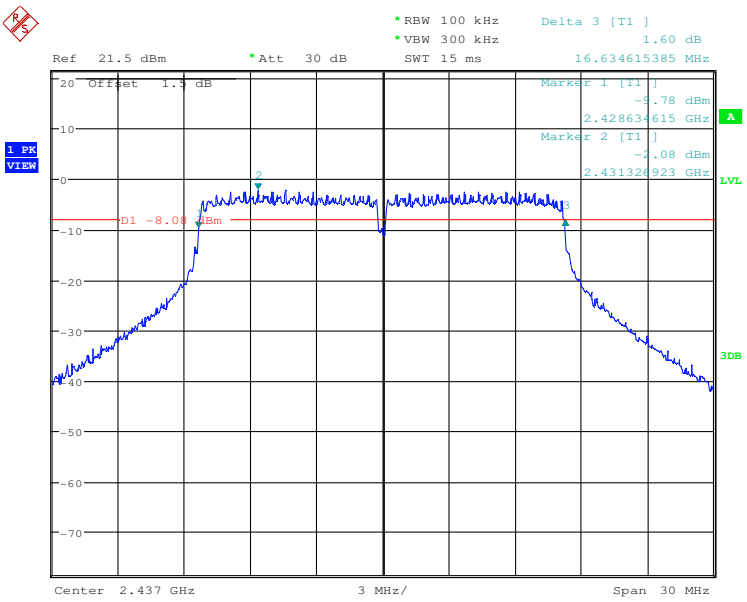
Test mode:	802.11b	Test channel:	Highest



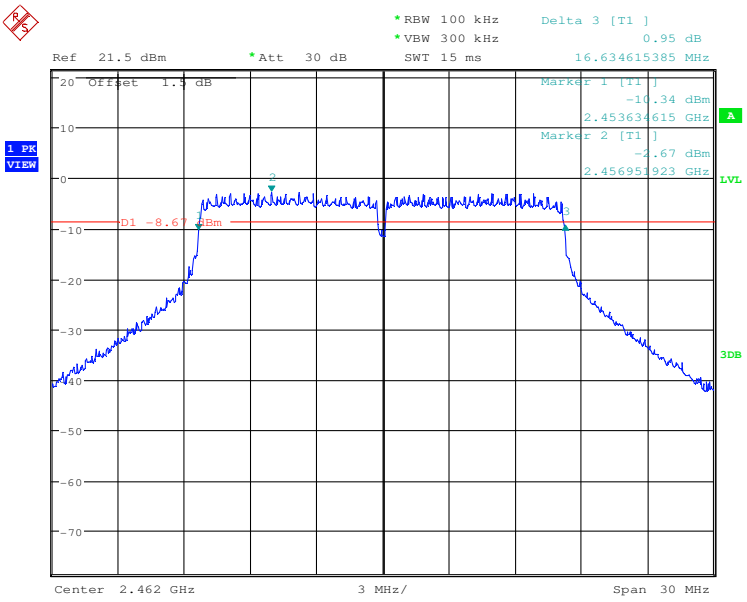
Test mode:	802.11g	Test channel:	Lowest



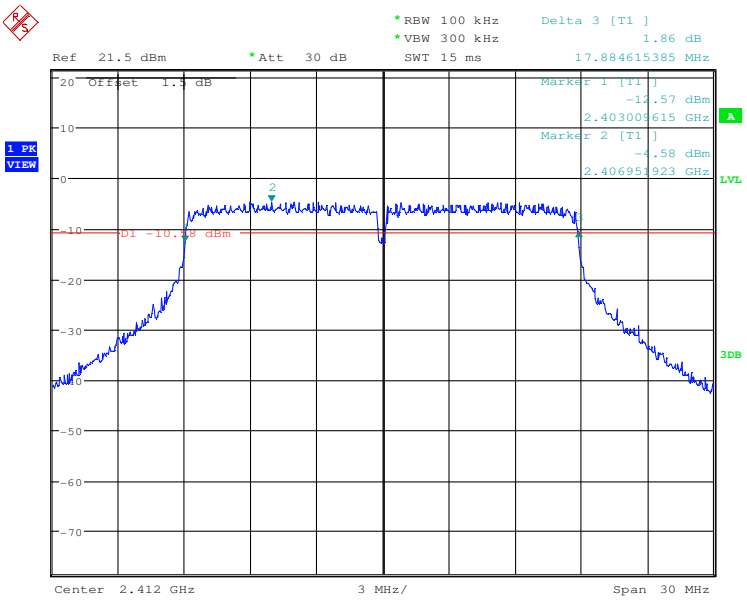
Test mode:	802.11g	Test channel:	Middle



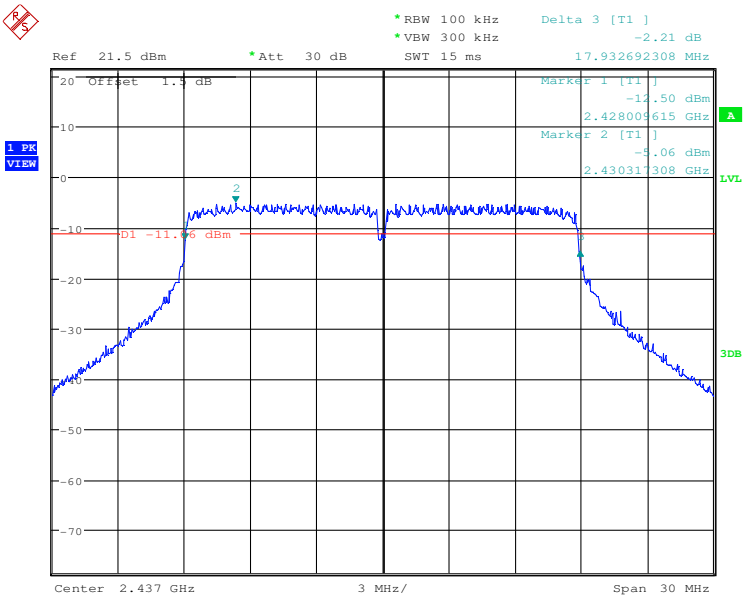
Test mode:	802.11g	Test channel:	Highest



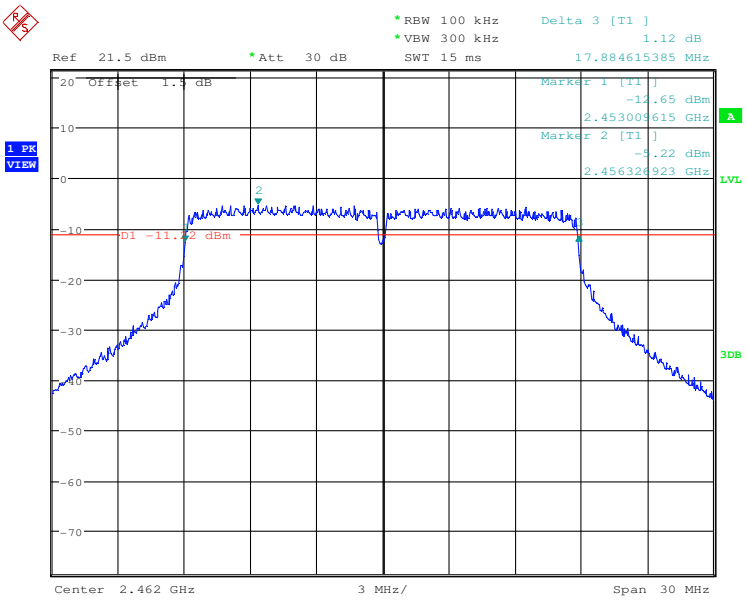
Test mode:	802.11n(HT20)	Test channel:	Lowest



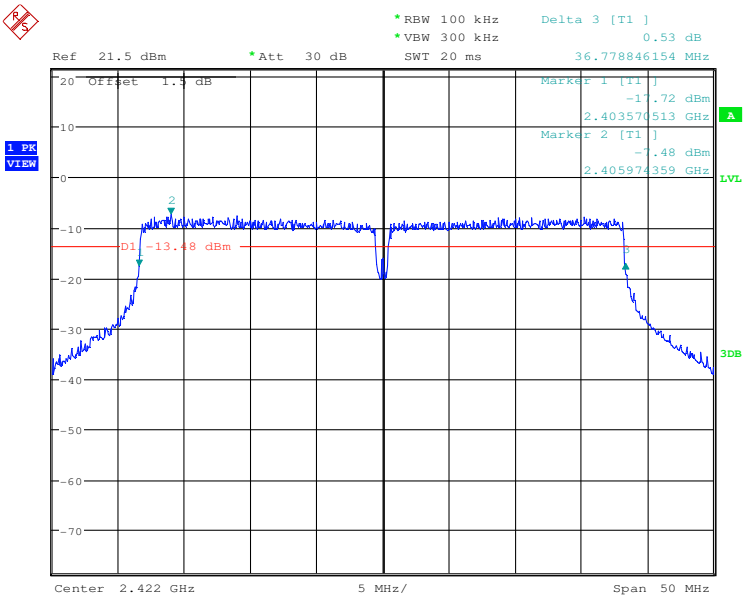
Test mode:	802.11n(HT20)	Test channel:	Middle



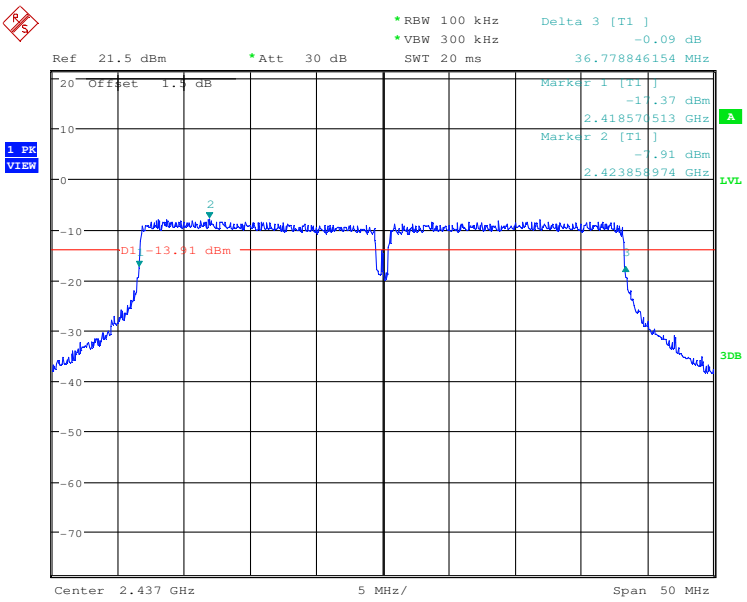
Test mode:	802.11n(HT20)	Test channel:	Highest



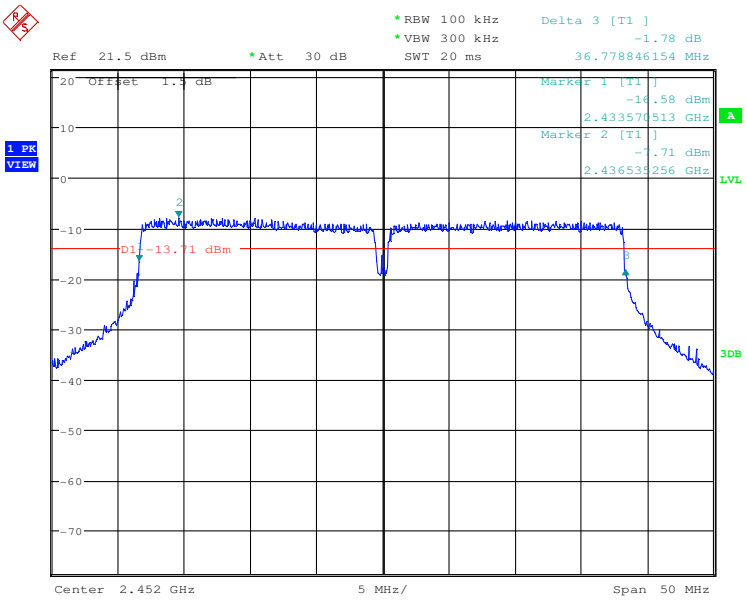
Test mode:	802.11n(HT40)	Test channel:	Lowest



Test mode:	802.11n(HT40)	Test channel:	Middle

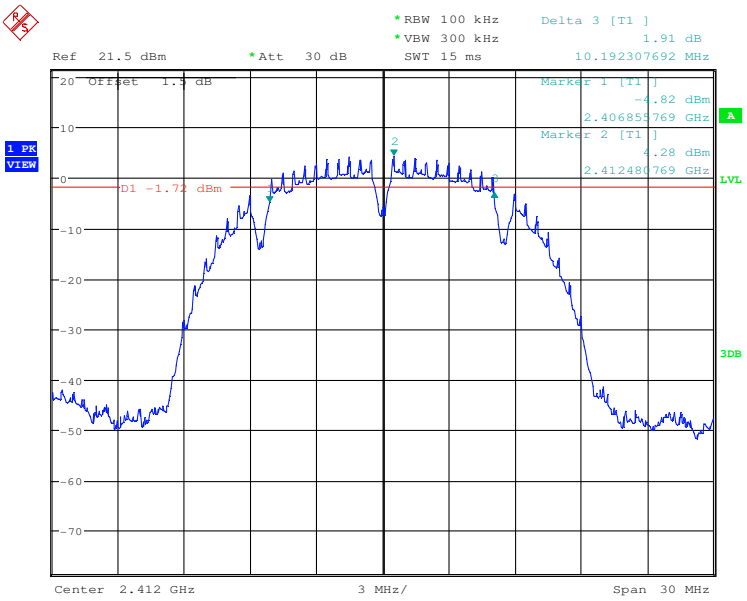


Test mode:	802.11n(HT40)	Test channel:	Highest

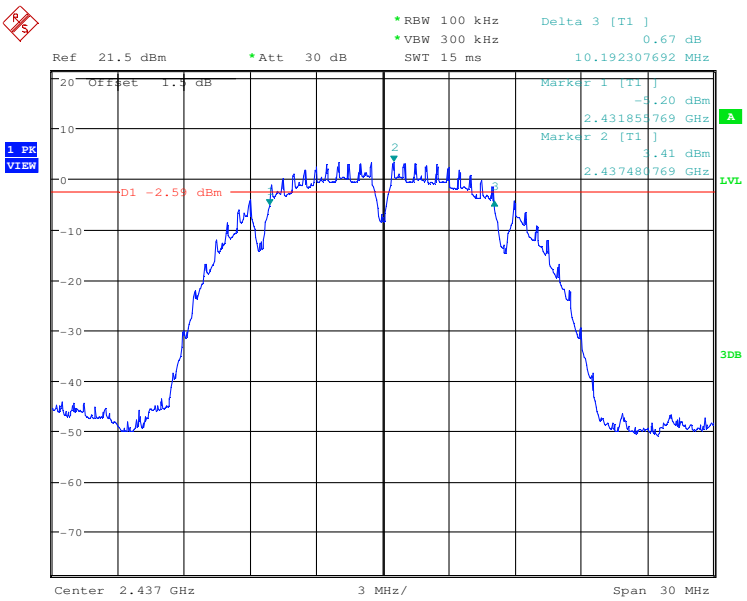


Wi-Fi 2
Antenna 1

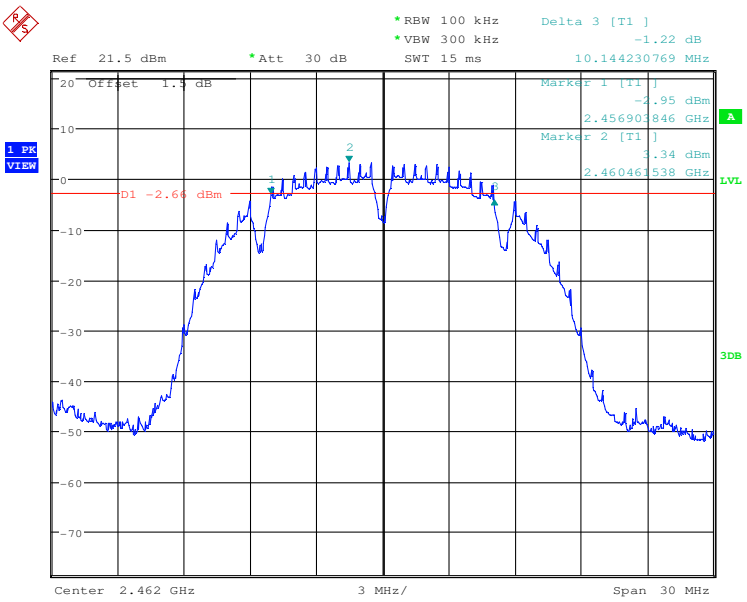
Test mode:	802.11b	Test channel:	Lowest



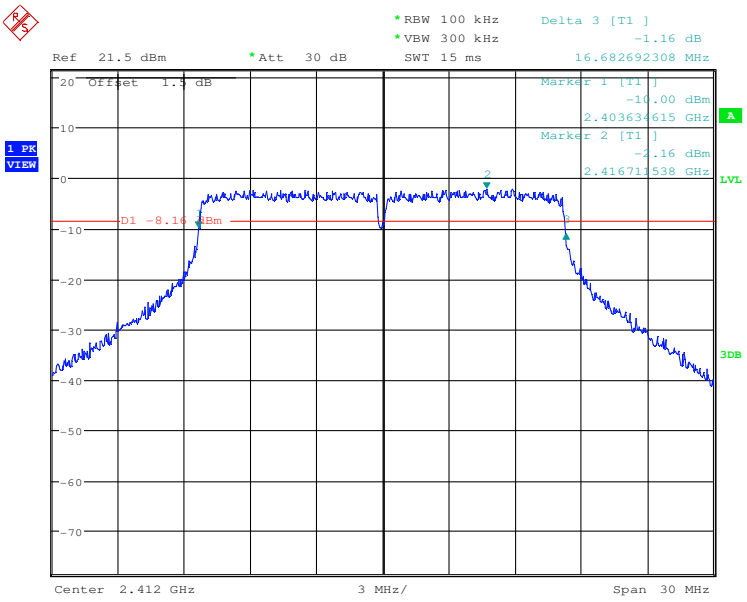
Test mode:	802.11b	Test channel:	Middle



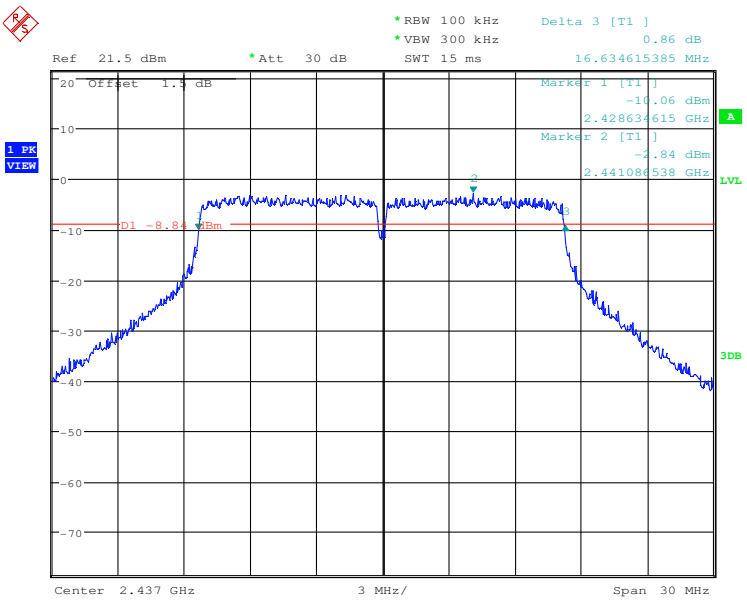
Test mode:	802.11b	Test channel:	Highest



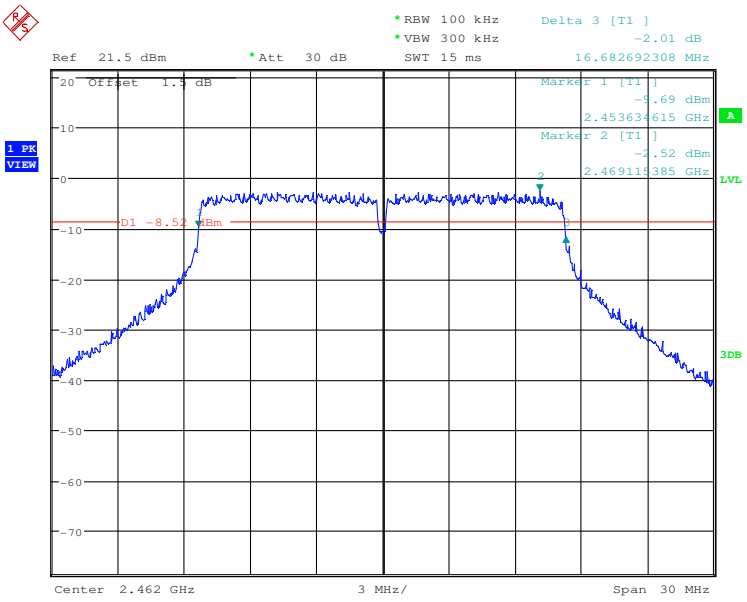
Test mode:	802.11g	Test channel:	Lowest



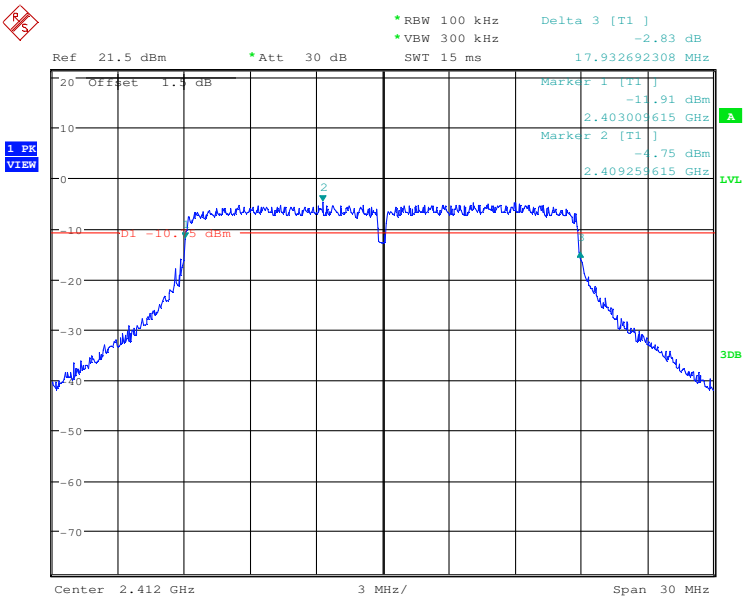
Test mode:	802.11g	Test channel:	Middle



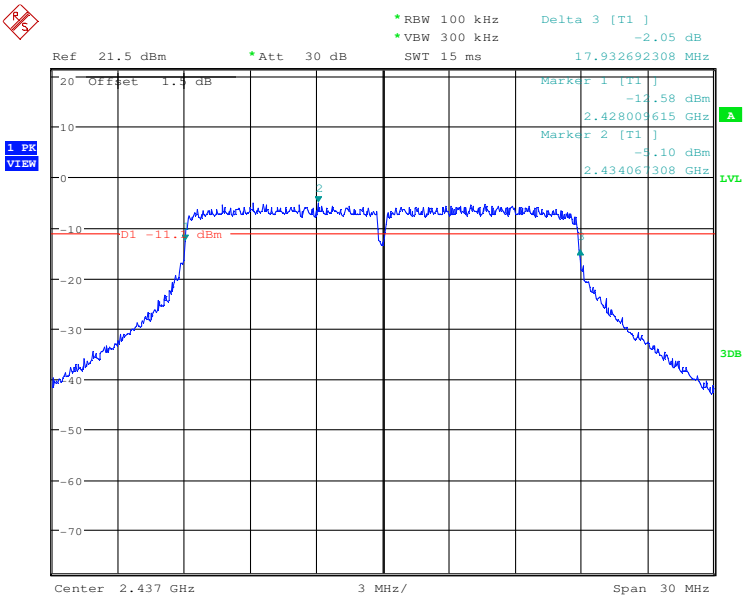
Test mode:	802.11g	Test channel:	Highest



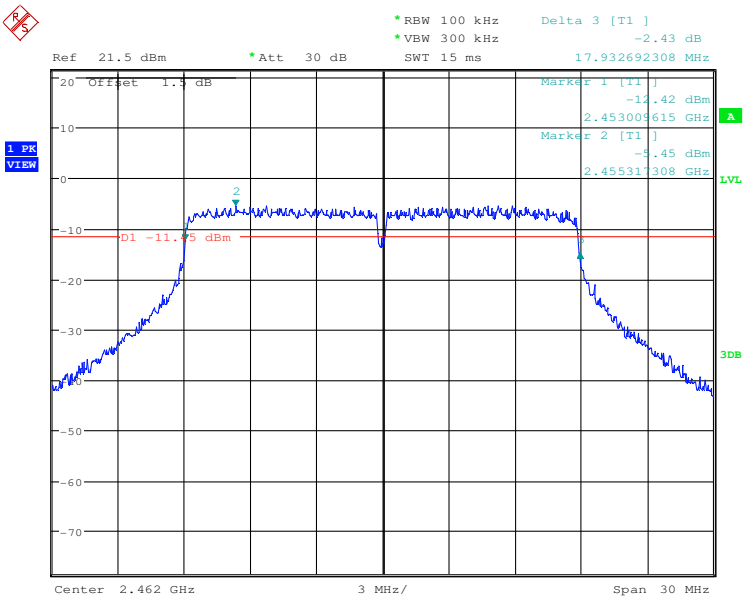
Test mode:	802.11n(HT20)	Test channel:	Lowest



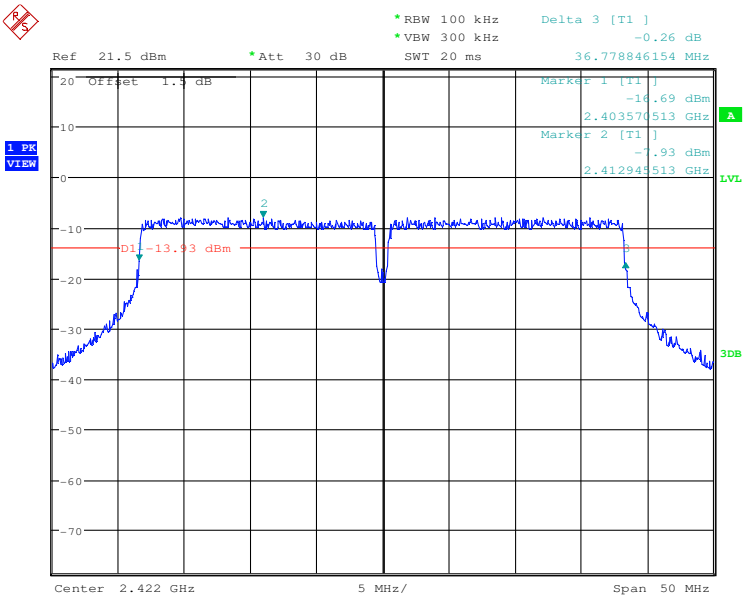
Test mode:	802.11n(HT20)	Test channel:	Middle



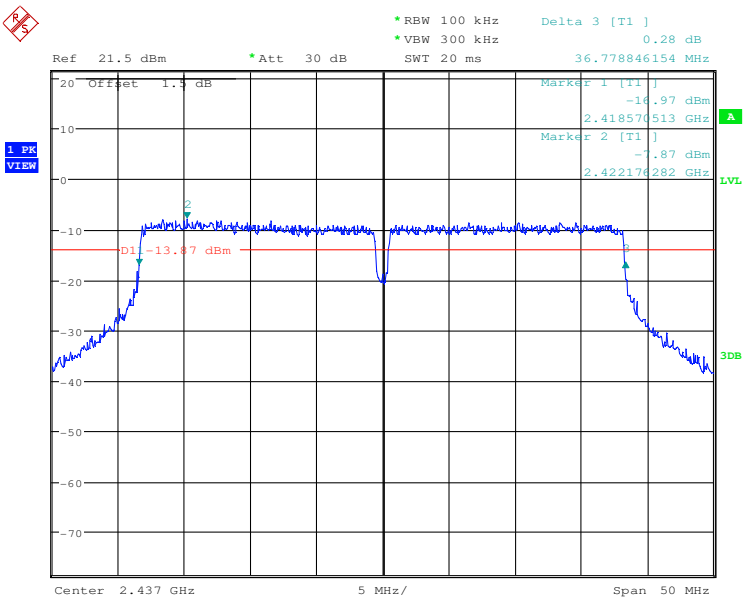
Test mode:	802.11n(HT20)	Test channel:	Highest



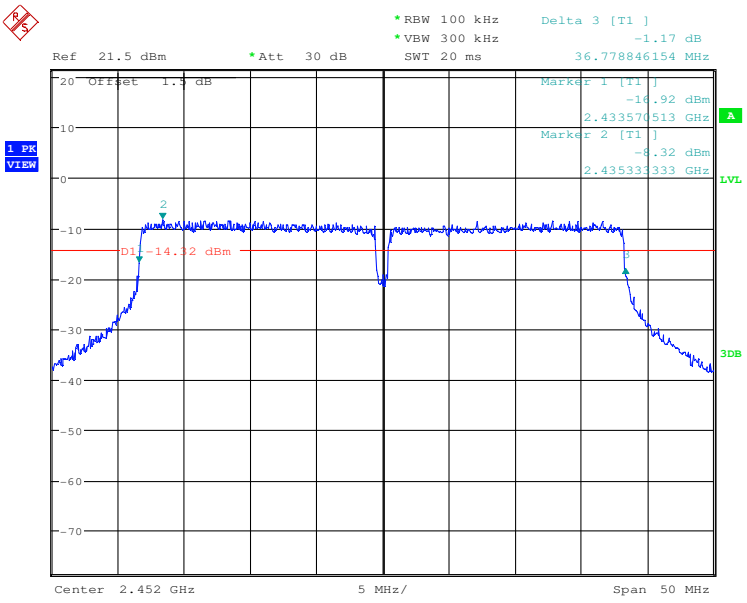
Test mode:	802.11n(HT40)	Test channel:	Lowest



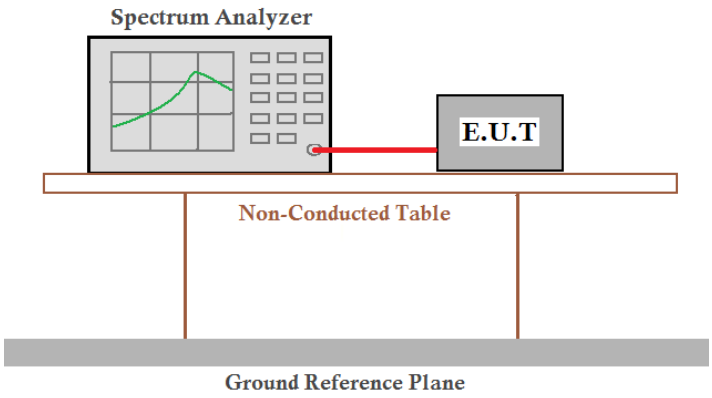
Test mode:	802.11n(HT40)	Test channel:	Middle



Test mode:	802.11n(HT40)	Test channel:	Highest



6.5 Power Spectral Density

Test Requirement:	47 CFR Part 15C Section 15.247 (e)
Test Method:	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01
Test Setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*
Test Instruments:	Refer to section 5.10 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
Test Results:	Pass

Measurement Data

Wi-Fi 1

802.11b mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2			
Lowest	-10.92	-9.87		≤8.00	Pass
Middle	-10.58	-9.75		≤8.00	Pass
Highest	-10.55	-11.06		≤8.00	Pass
802.11g mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2			
Lowest	-14.11	-13.56		≤8.00	Pass
Middle	-13.41	-13.90		≤8.00	Pass
Highest	-14.76	-15.08		≤8.00	Pass
802.11n(HT20) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
Lowest	-16.22	-15.80	-12.99	≤8.00	Pass
Middle	-16.58	-16.34	-13.45	≤8.00	Pass
Highest	-16.82	-16.33	-13.56	≤8.00	Pass
802.11n(HT40) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
Lowest	-19.58	-18.64	-16.07	≤8.00	Pass
Middle	-18.93	-19.36	-16.13	≤8.00	Pass
Highest	-18.95	-18.01	-15.44	≤8.00	Pass

Wi-Fi 2

802.11b mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2			
Lowest	-9.69	-11.24		≤8.00	Pass
Middle	-11.10	-10.78		≤8.00	Pass
Highest	-11.12	-11.96		≤8.00	Pass
802.11g mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2			
Lowest	-13.00	-14.43		≤8.00	Pass
Middle	-13.59	-14.64		≤8.00	Pass
Highest	-13.74	-13.62		≤8.00	Pass
802.11n(HT20) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
Lowest	-16.14	-16.69	-13.40	≤8.00	Pass
Middle	-16.91	-16.76	-13.82	≤8.00	Pass
Highest	-16.34	-16.84	-13.57	≤8.00	Pass
802.11n(HT40) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Antenna 1	Antenna 2	Total		
Lowest	-18.62	-19.49	-16.02	≤8.00	Pass
Middle	-18.95	-19.43	-16.17	≤8.00	Pass
Highest	-19.88	-19.79	-16.82	≤8.00	Pass

Wi-Fi 1 + Wi-Fi 2

802.11b mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Wi-Fi 1	Wi-Fi 2	Total		
Lowest	-9.87	-9.69	-6.77	≤8.00	Pass
Middle	-9.75	-10.78	-7.22	≤8.00	Pass
Highest	-10.55	-11.12	-7.81	≤8.00	Pass
802.11g mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Wi-Fi 1	Wi-Fi 2	Total		
Lowest	-13.56	-13.00	-10.26	≤8.00	Pass
Middle	-13.41	-13.59	-10.48	≤8.00	Pass
Highest	-14.76	-13.62	-11.08	≤8.00	Pass
802.11n(HT20) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Wi-Fi 1	Wi-Fi 2	Total		
Lowest	-12.99	-13.40	-10.19	≤8.00	Pass
Middle	-13.45	-13.82	-10.45	≤8.00	Pass
Highest	-13.56	-13.57	-10.75	≤8.00	Pass
802.11n(HT40) mode					
Test channel	Power Spectral Density (dBm)			Limit (dBm)	Result
	Wi-Fi 1	Wi-Fi 2	Total		
Lowest	-16.07	-16.02	-13.01	≤8.00	Pass
Middle	-16.13	-16.17	-13.17	≤8.00	Pass
Highest	-15.44	-16.82	-13.02	≤8.00	Pass

Remark: For 802.11b & 802.11g, the total power spectral density = Max power spectral density (come from the Max antenna port of WI-FI 1) + Max power spectral density (come from the Max antenna port of WI-FI 2)

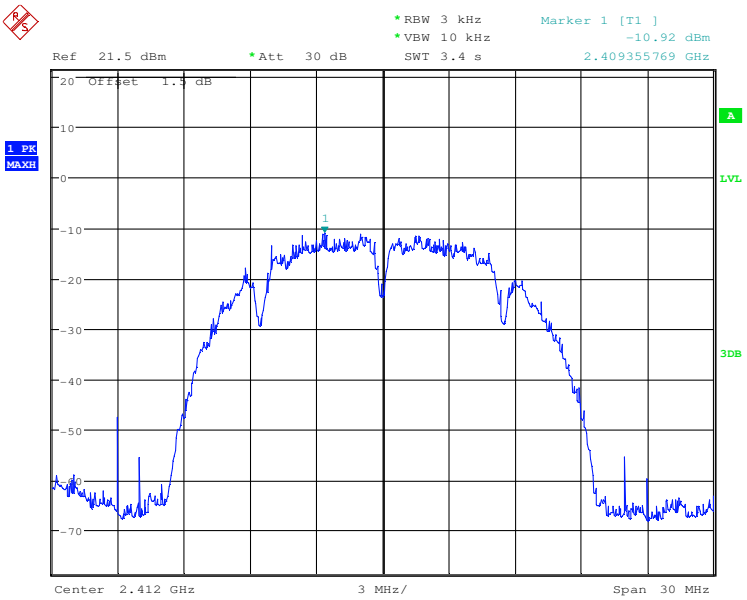
For 802.11n, the total power spectral density =total power spectral density of Wi-Fi 1 + total power spectral density of Wi-Fi 2

Test plot as follows:

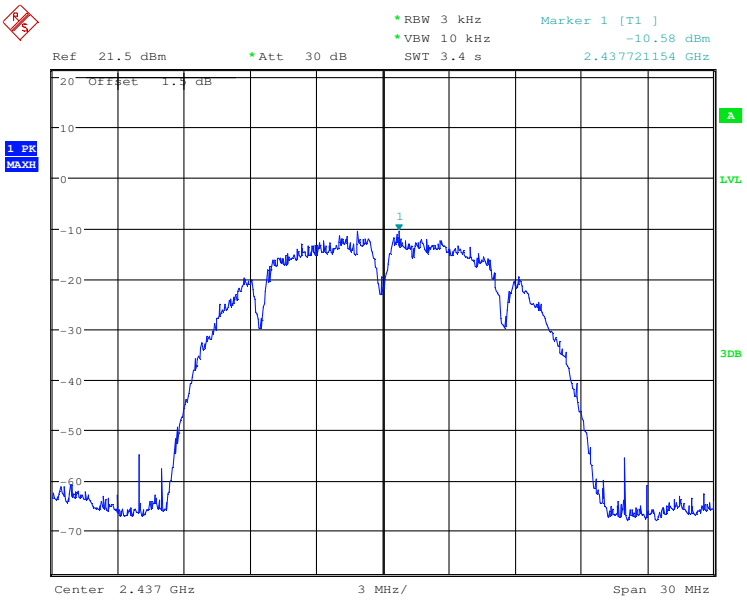
Wi-Fi 1

Antenna 1

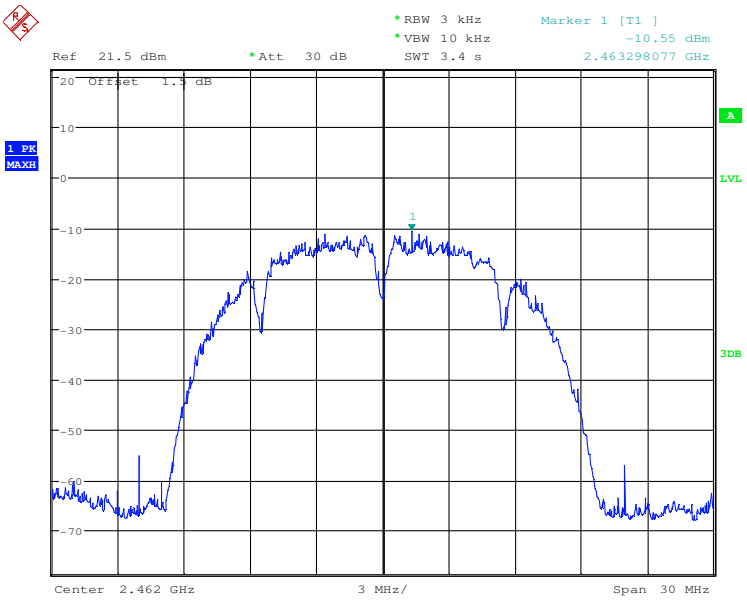
Test mode:	802.11b	Test channel:	Lowest



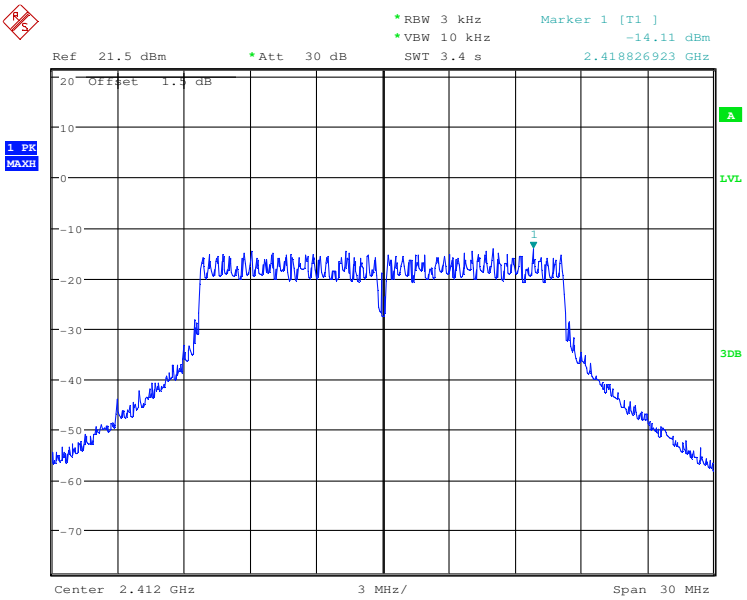
Test mode:	802.11b	Test channel:	Middle



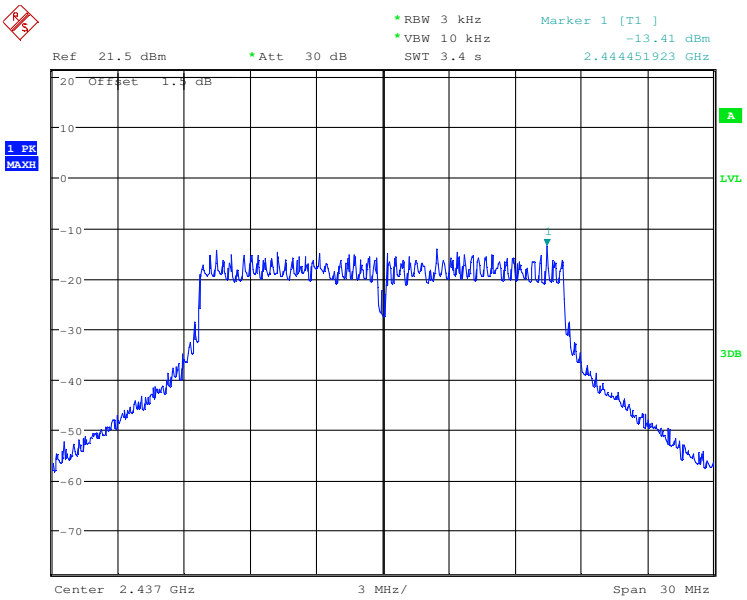
Test mode:	802.11b	Test channel:	Highest



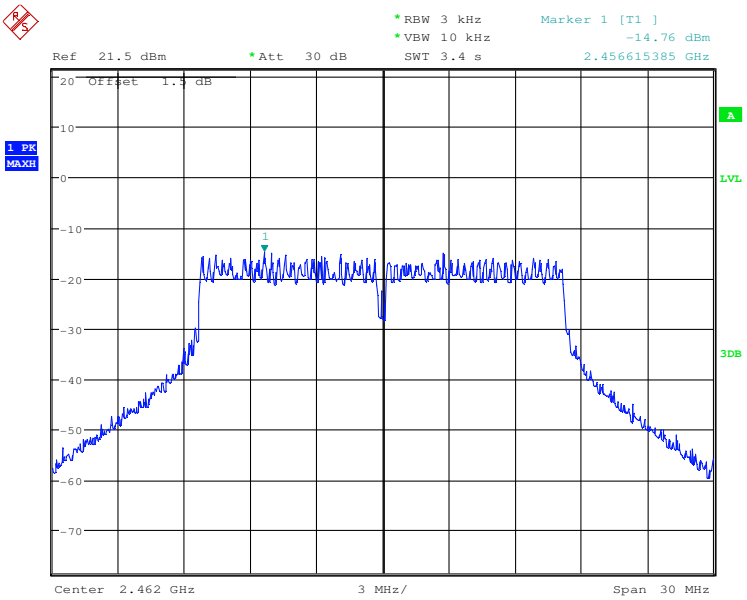
Test mode:	802.11g	Test channel:	Lowest



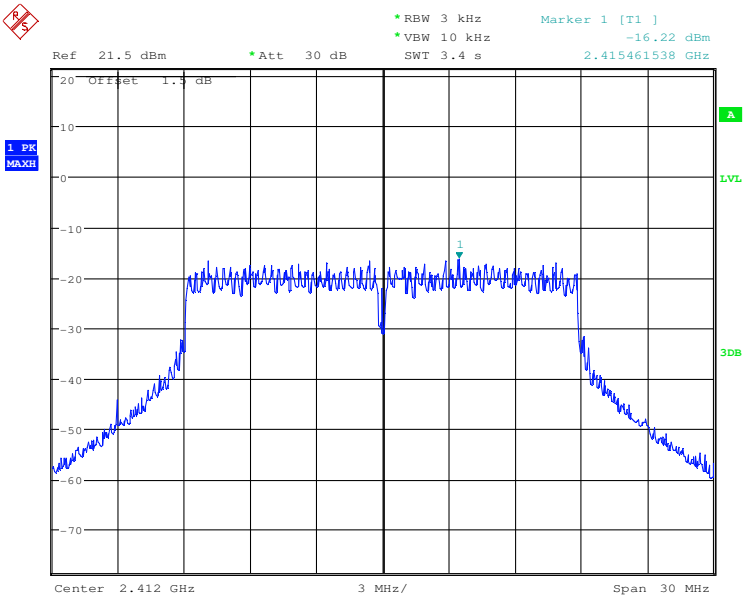
Test mode:	802.11g	Test channel:	Middle



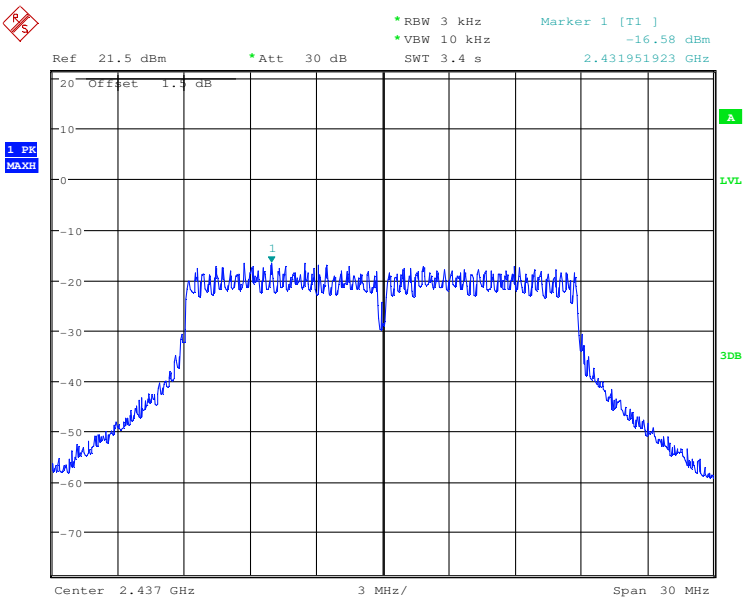
Test mode:	802.11g	Test channel:	Highest



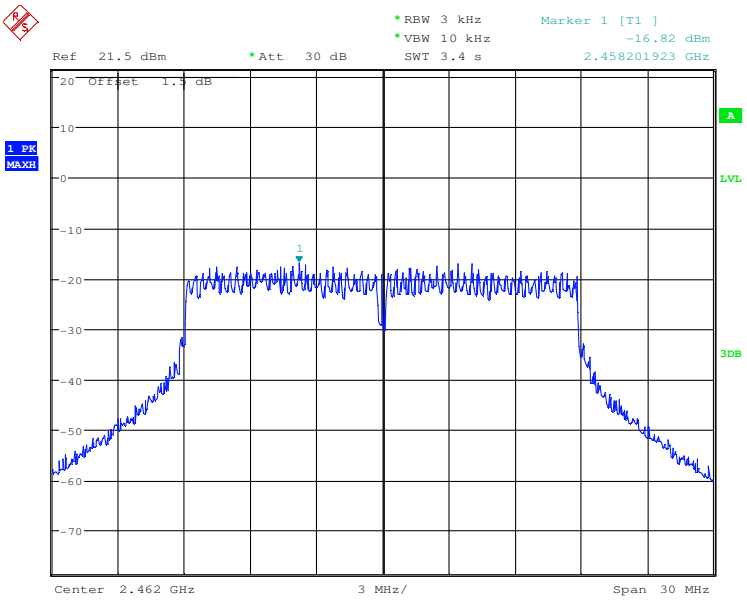
Test mode:	802.11n(HT20)	Test channel:	Lowest



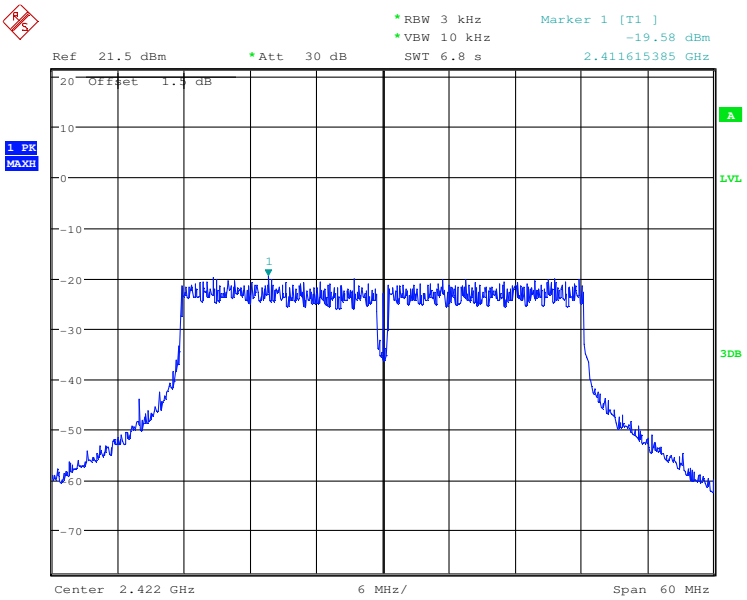
Test mode:	802.11n(HT20)	Test channel:	Middle



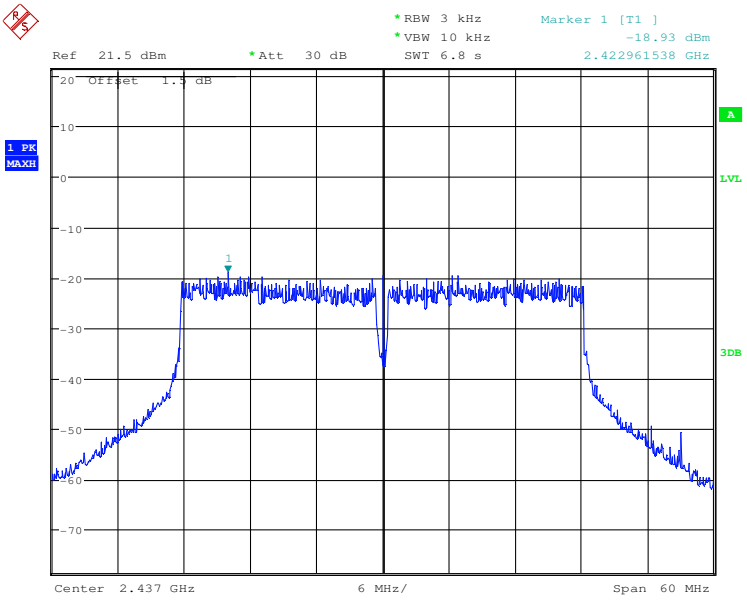
Test mode:	802.11n(HT20)	Test channel:	Highest



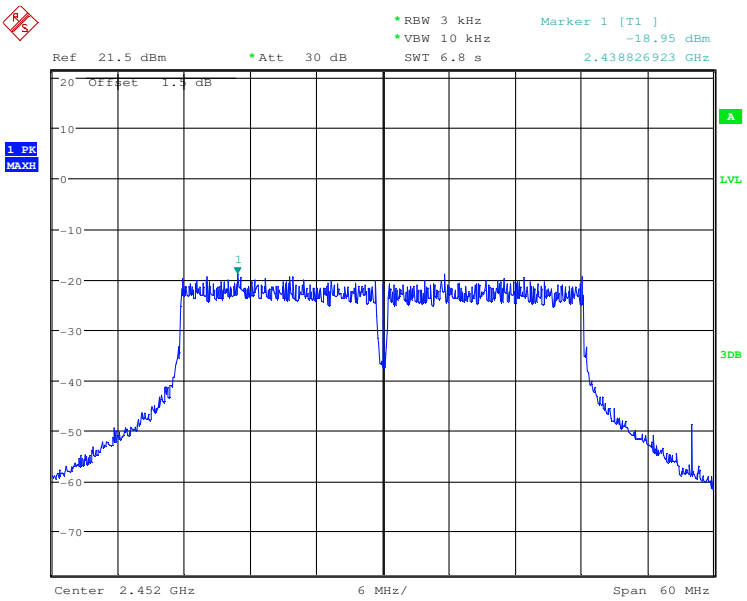
Test mode:	802.11n(HT40)	Test channel:	Lowest



Test mode:	802.11n(HT40)	Test channel:	Middle

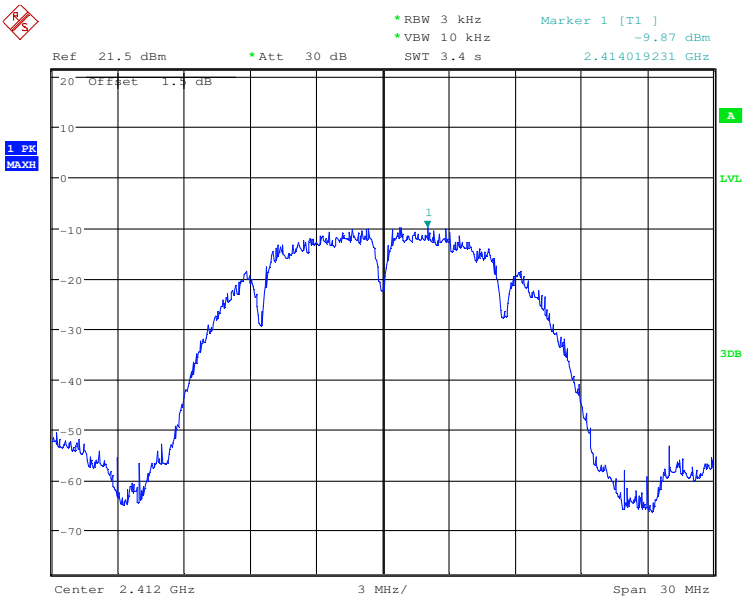


Test mode:	802.11n(HT40)	Test channel:	Highest

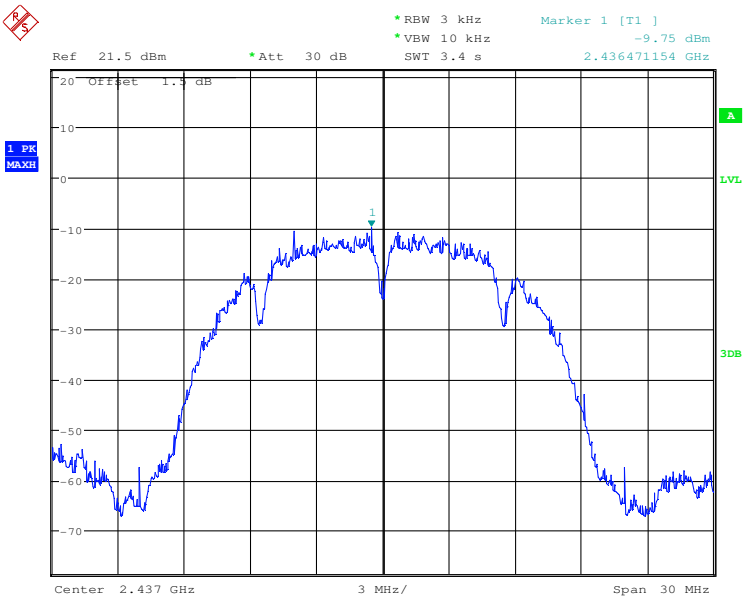


Antenna 2

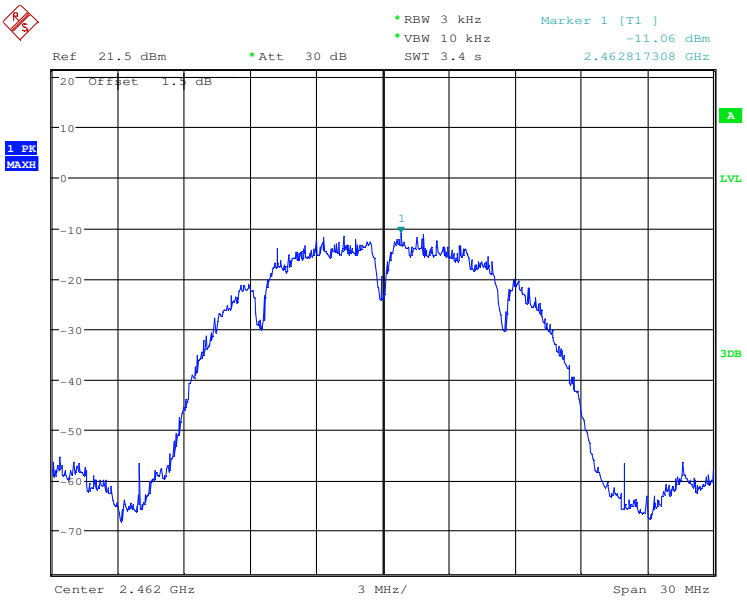
Test mode:	802.11b	Test channel:	Lowest



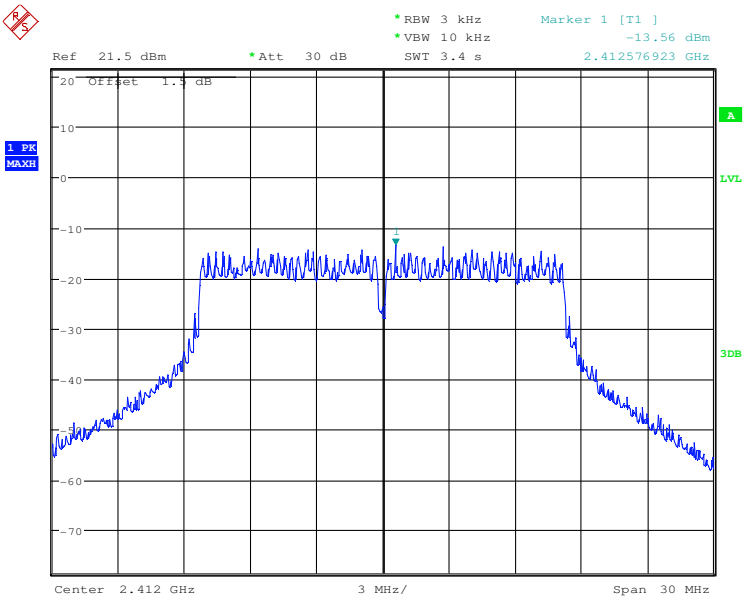
Test mode:	802.11b	Test channel:	Middle



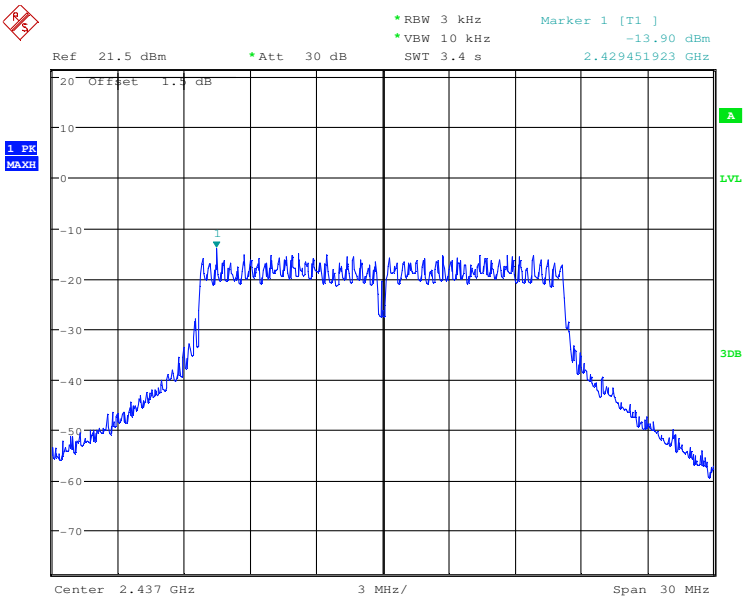
Test mode:	802.11b	Test channel:	Highest



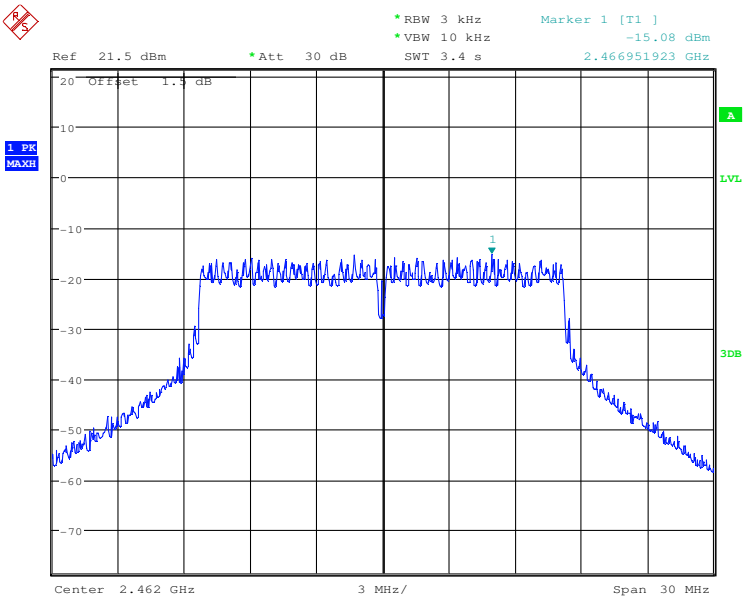
Test mode:	802.11g	Test channel:	Lowest



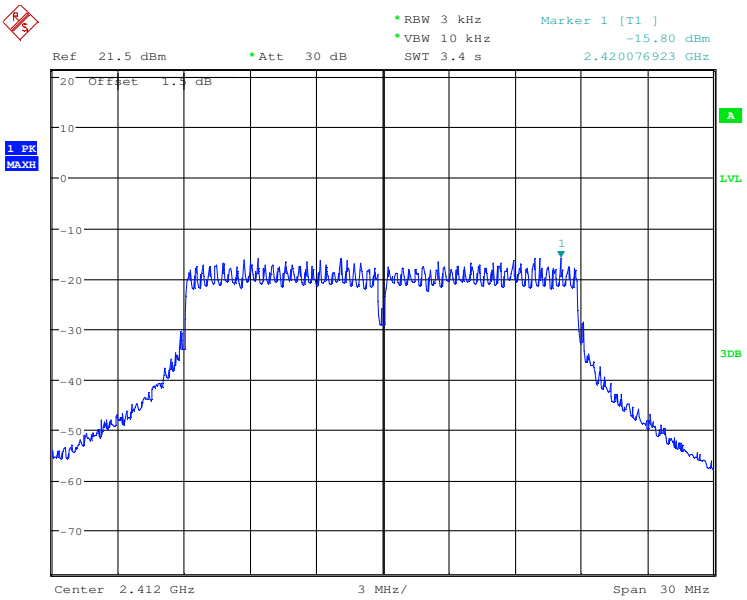
Test mode:	802.11g	Test channel:	Middle



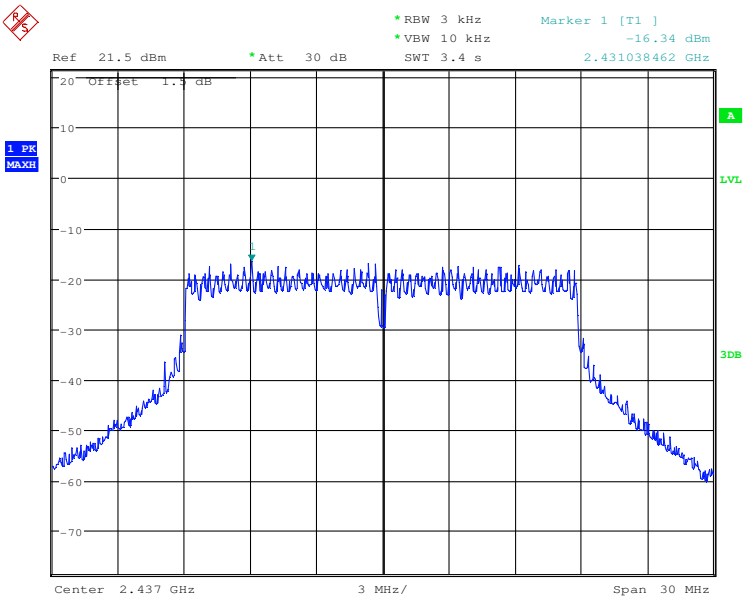
Test mode:	802.11g	Test channel:	Highest



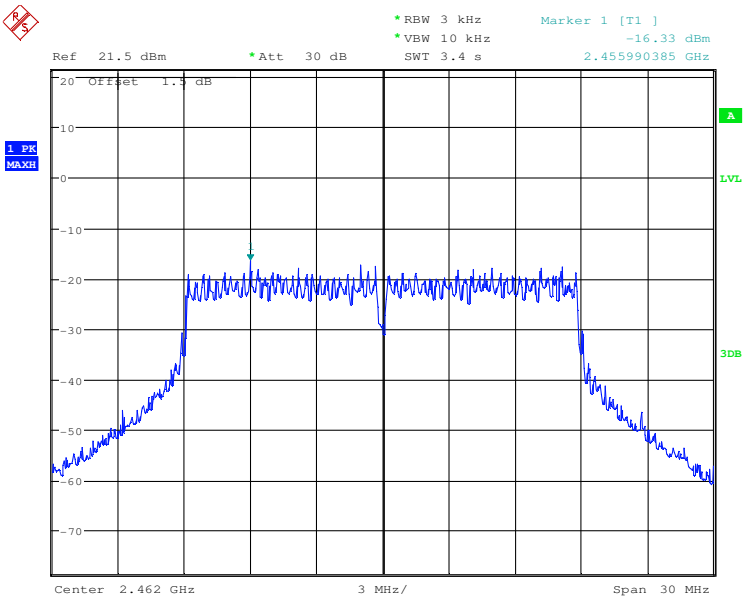
Test mode:	802.11n(HT20)	Test channel:	Lowest



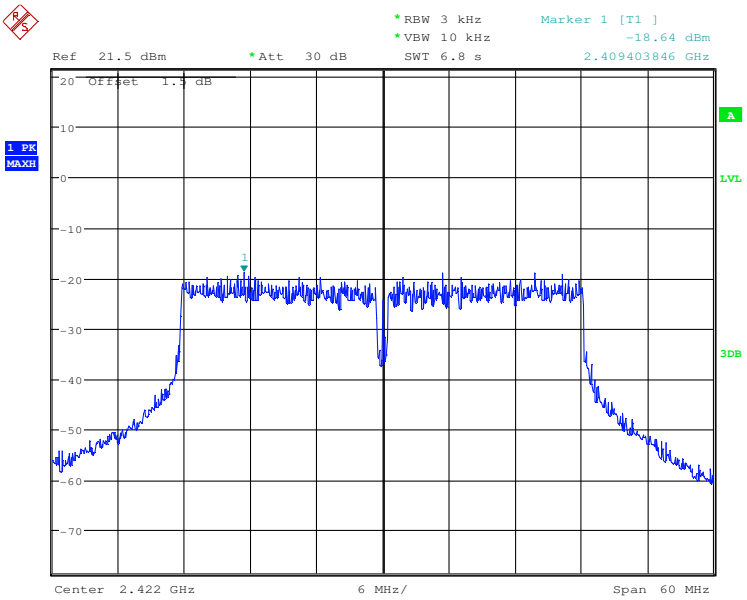
Test mode:	802.11n(HT20)	Test channel:	Middle



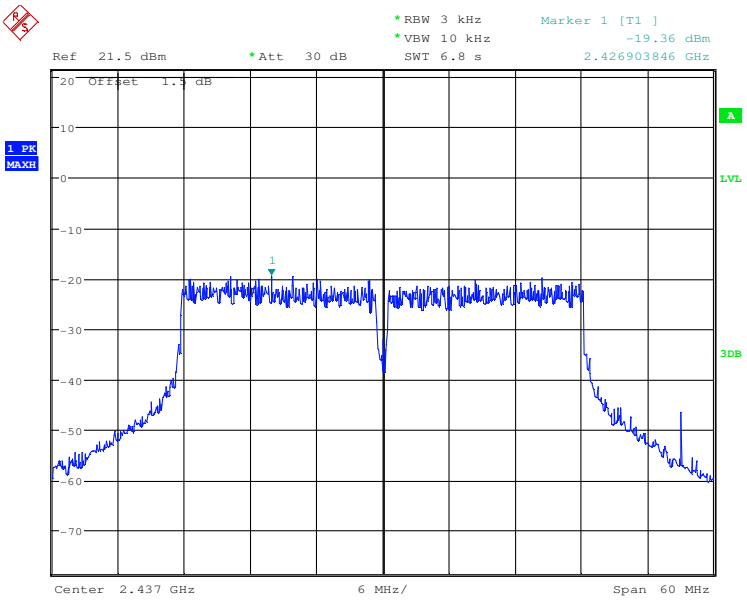
Test mode:	802.11n(HT20)	Test channel:	Highest



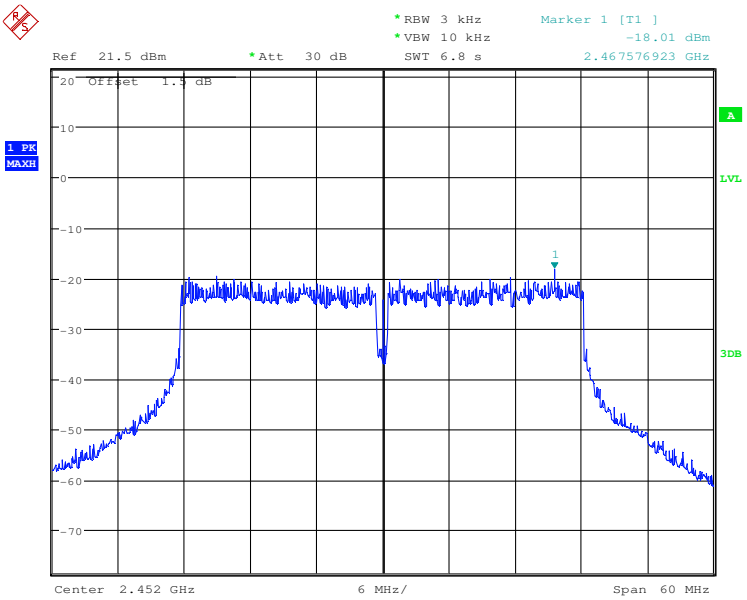
Test mode:	802.11n(HT40)	Test channel:	Lowest



Test mode:	802.11n(HT40)	Test channel:	Middle



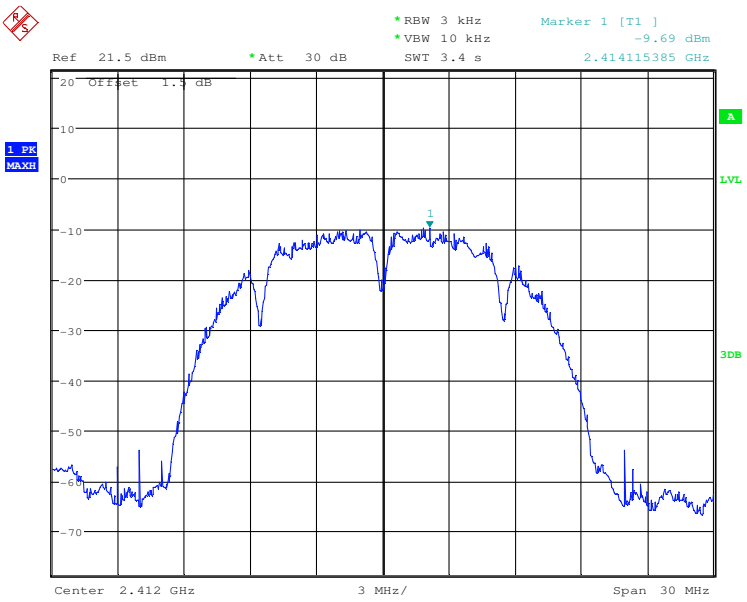
Test mode:	802.11n(HT40)	Test channel:	Highest



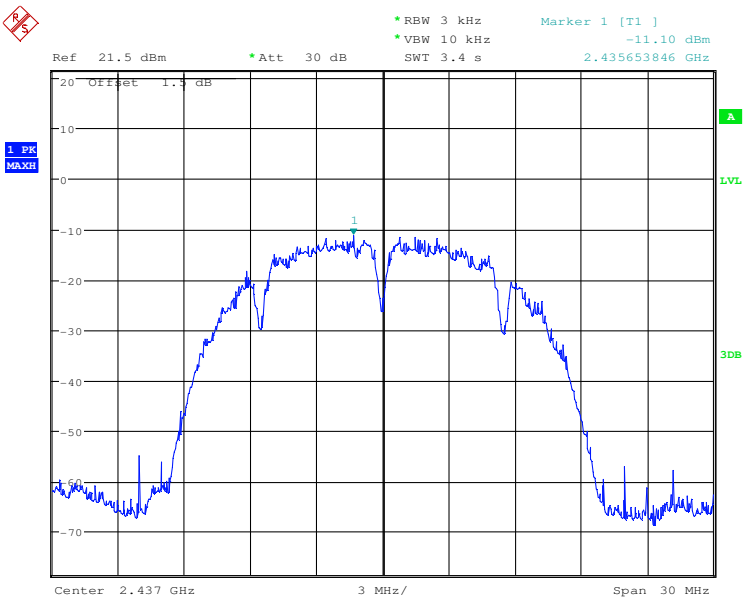
Wi-Fi 2

Antenna 1

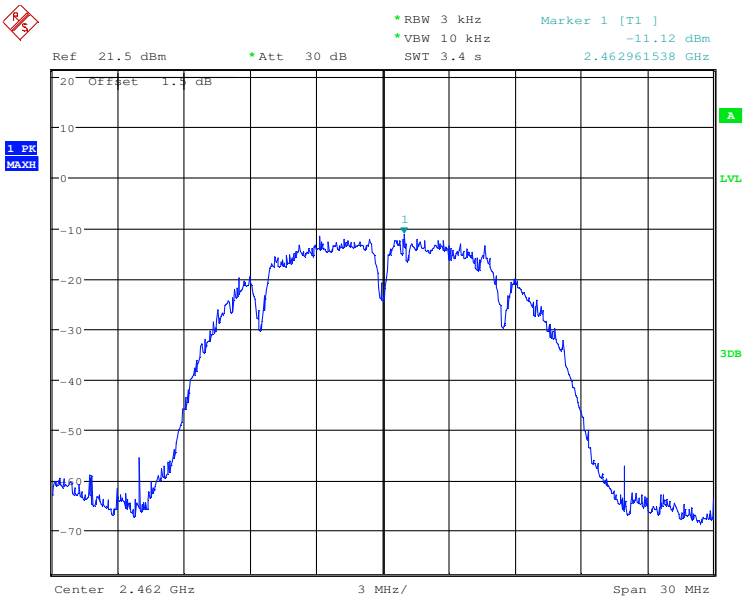
Test mode:	802.11b	Test channel:	Lowest



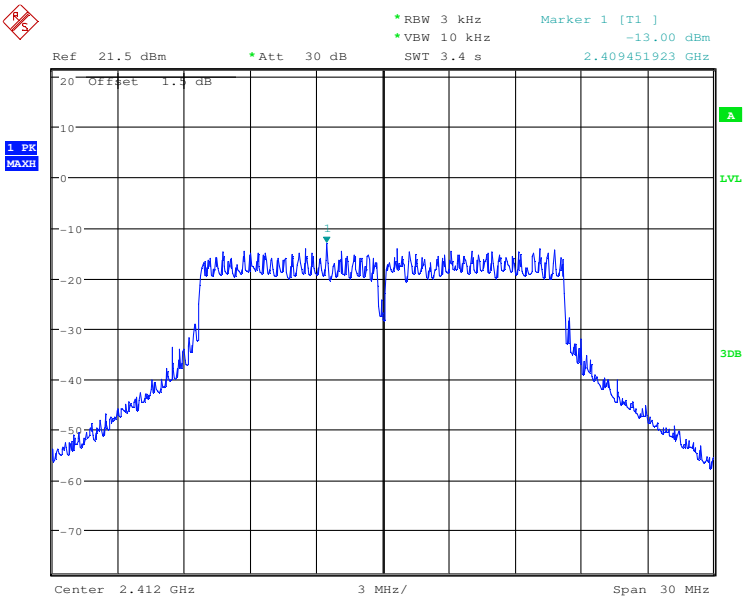
Test mode:	802.11b	Test channel:	Middle



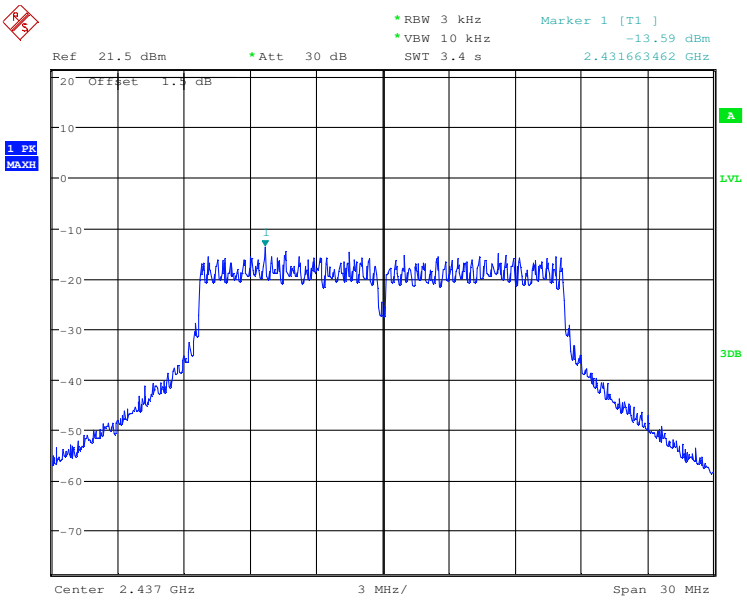
Test mode:	802.11b	Test channel:	Highest



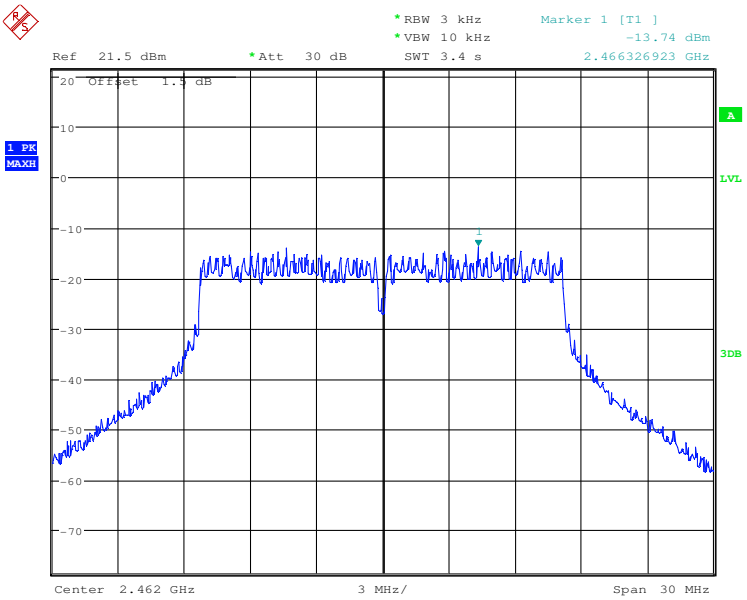
Test mode:	802.11g	Test channel:	Lowest



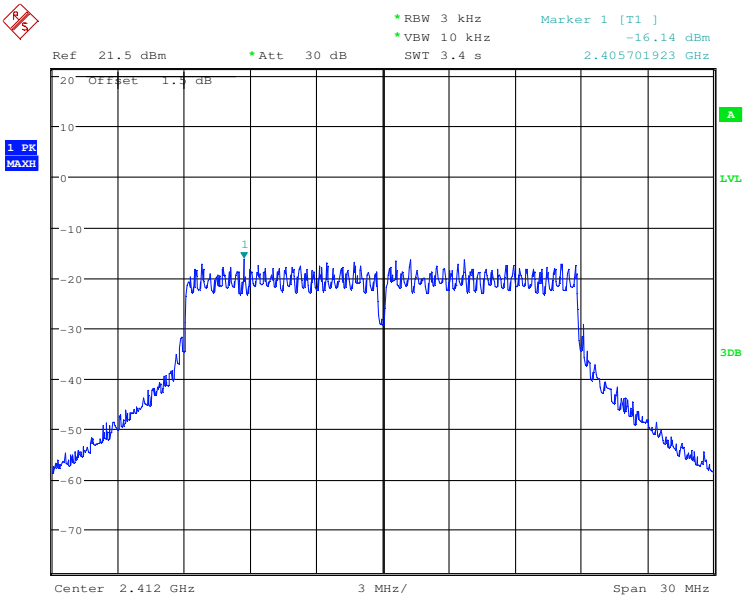
Test mode:	802.11g	Test channel:	Middle



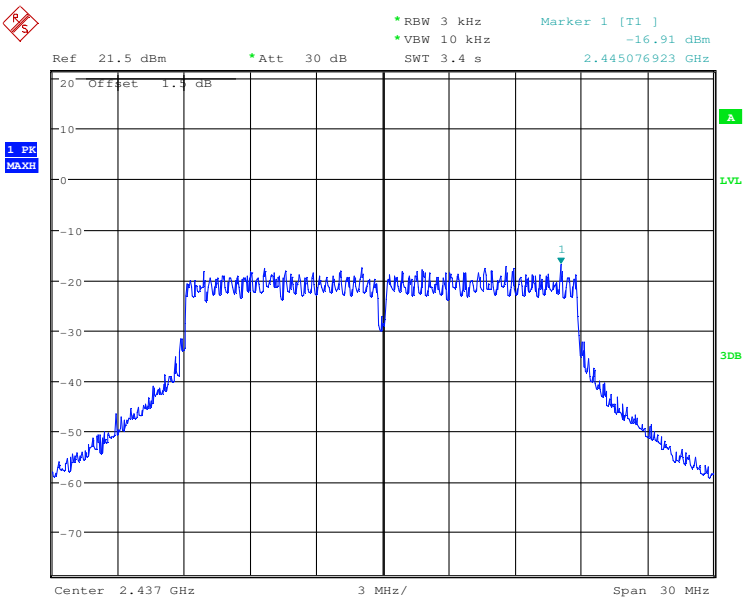
Test mode:	802.11g	Test channel:	Highest



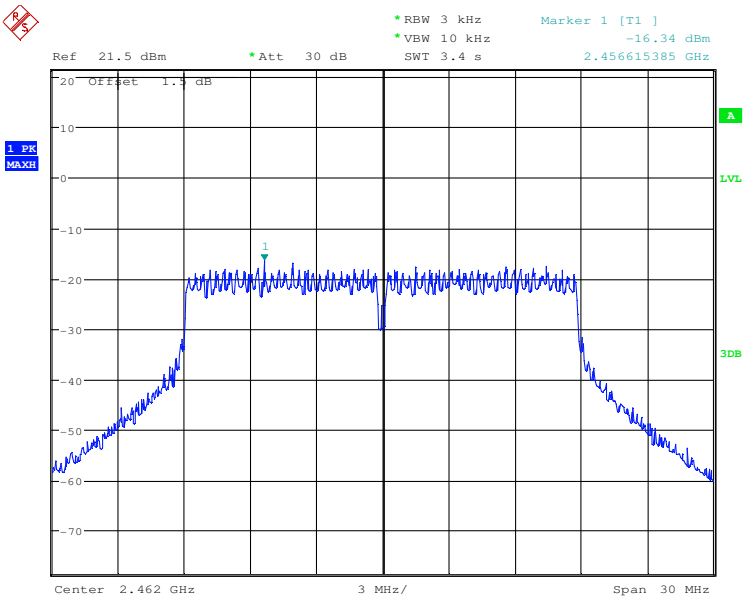
Test mode:	802.11n(HT20)	Test channel:	Lowest



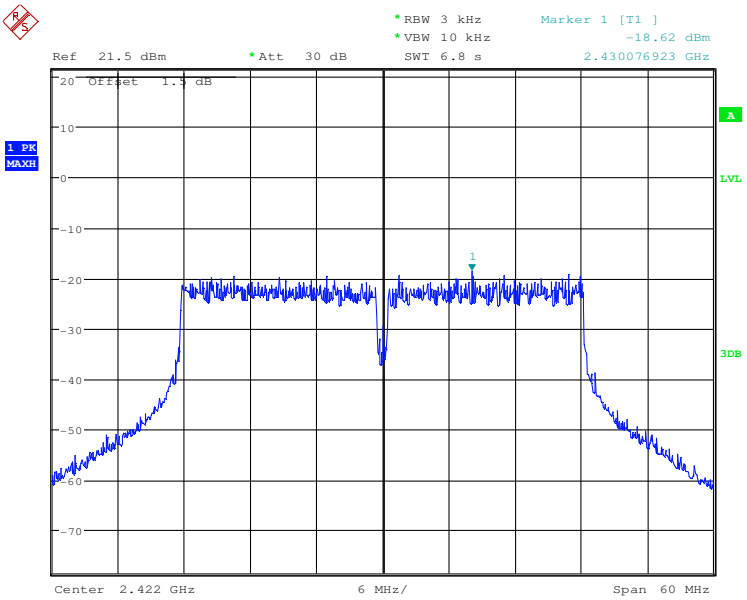
Test mode:	802.11n(HT20)	Test channel:	Middle



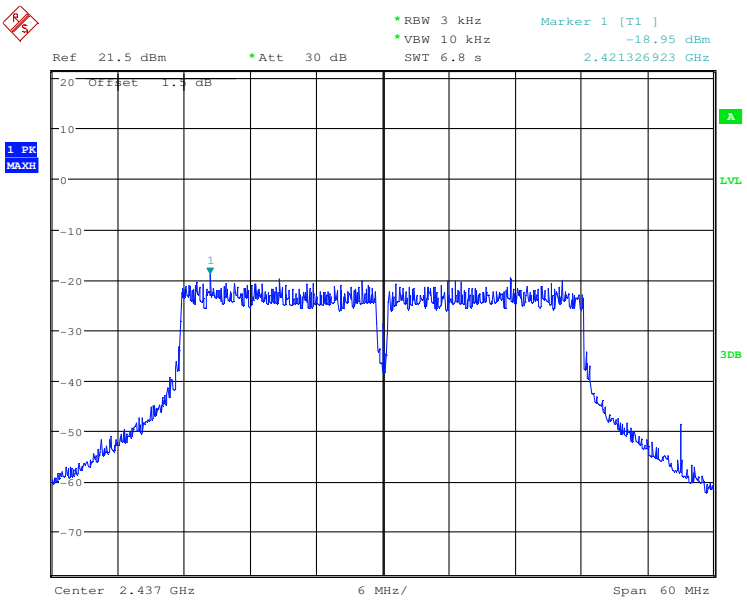
Test mode:	802.11n(HT20)	Test channel:	Highest



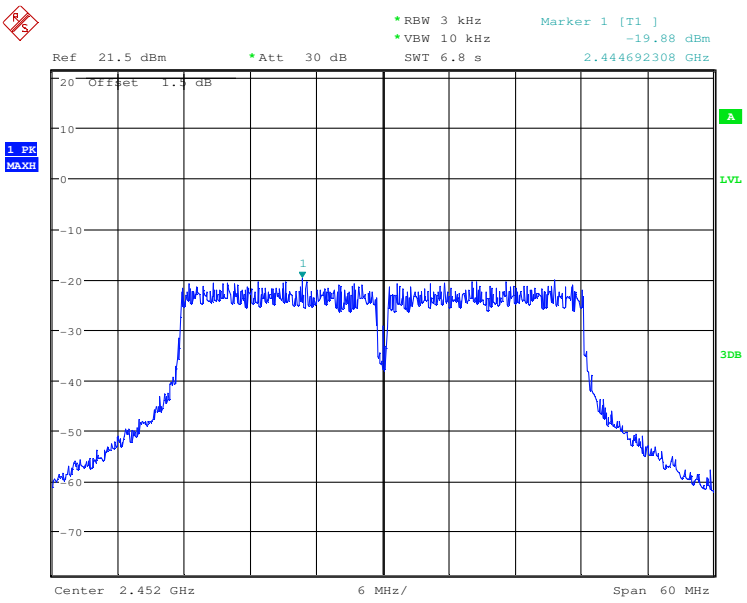
Test mode:	802.11n(HT40)	Test channel:	Lowest



Test mode:	802.11n(HT40)	Test channel:	Middle

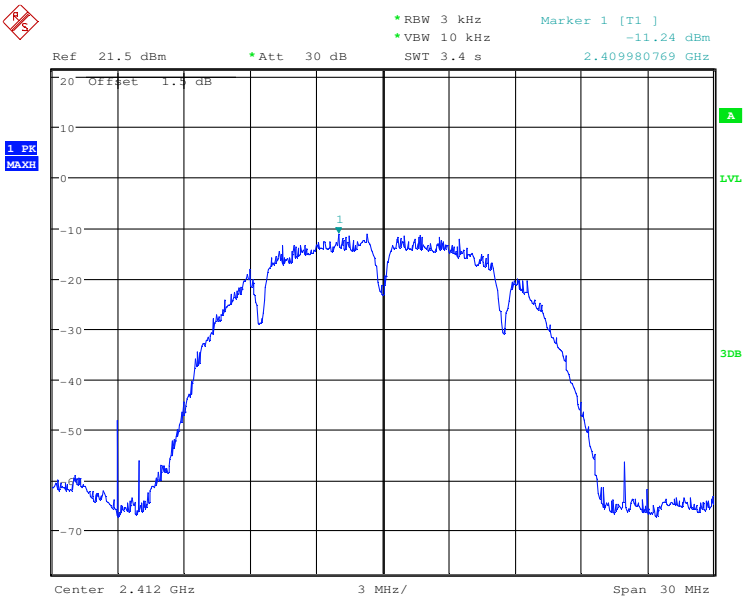


Test mode:	802.11n(HT40)	Test channel:	Highest

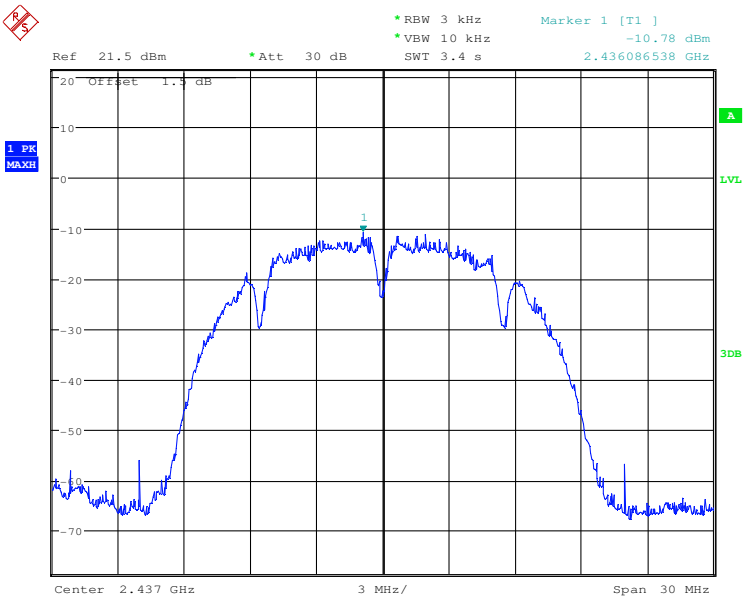


Antenna 2

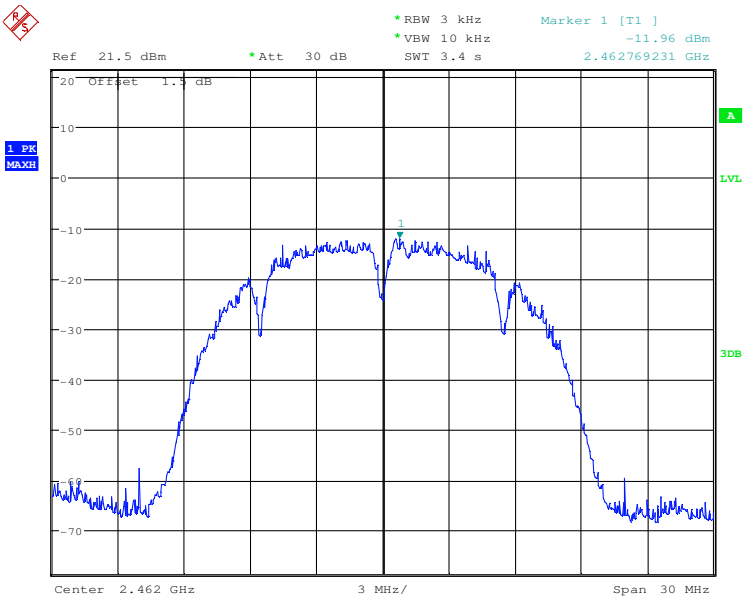
Test mode:	802.11b	Test channel:	Lowest



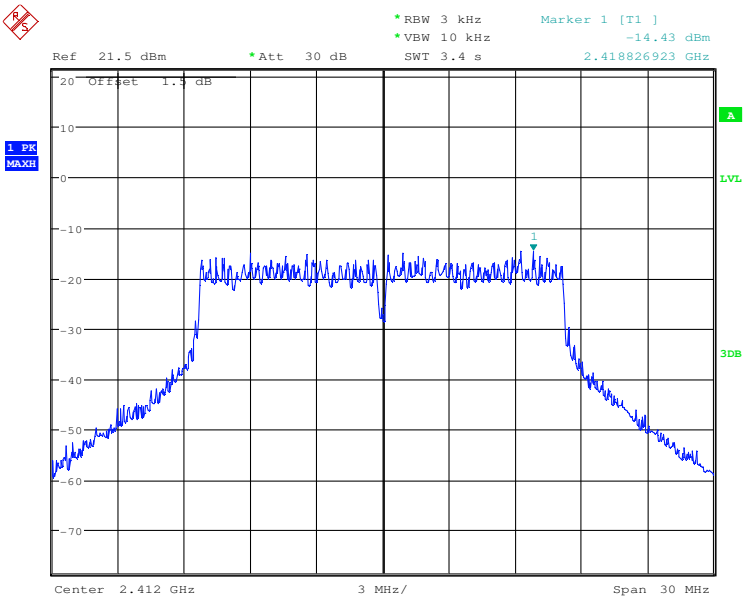
Test mode:	802.11b	Test channel:	Middle



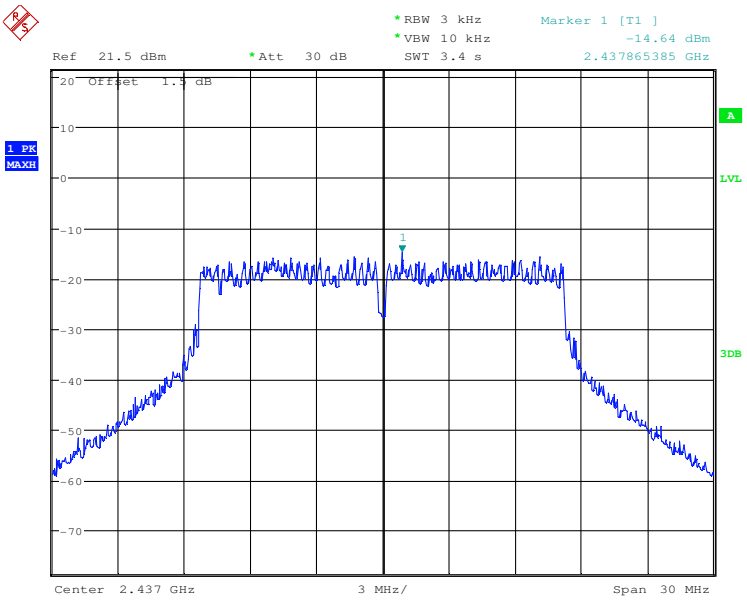
Test mode:	802.11b	Test channel:	Highest



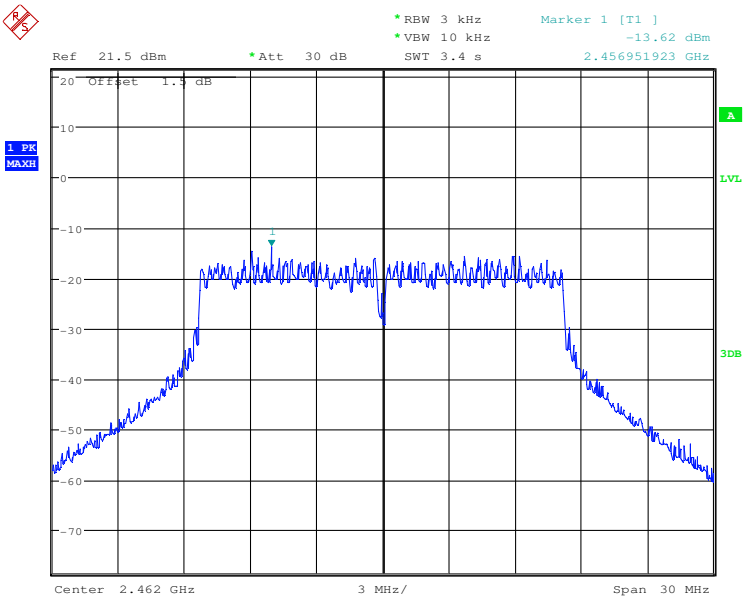
Test mode:	802.11g	Test channel:	Lowest



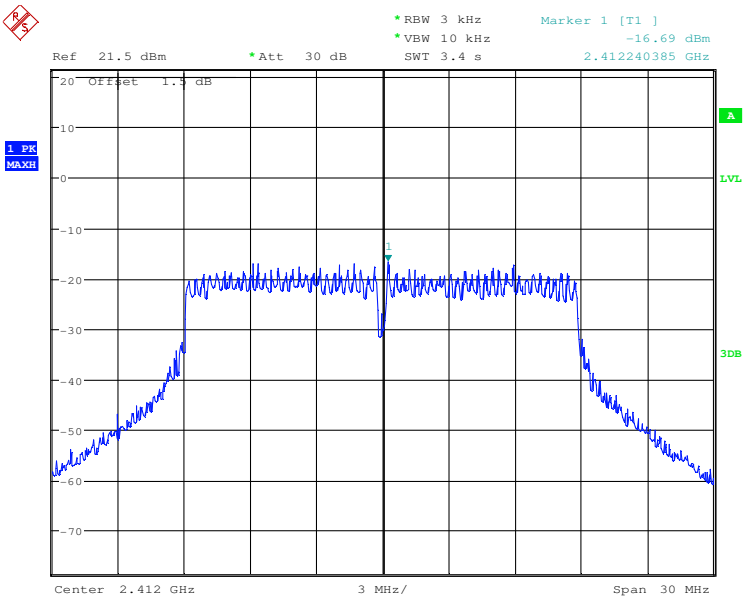
Test mode:	802.11g	Test channel:	Middle



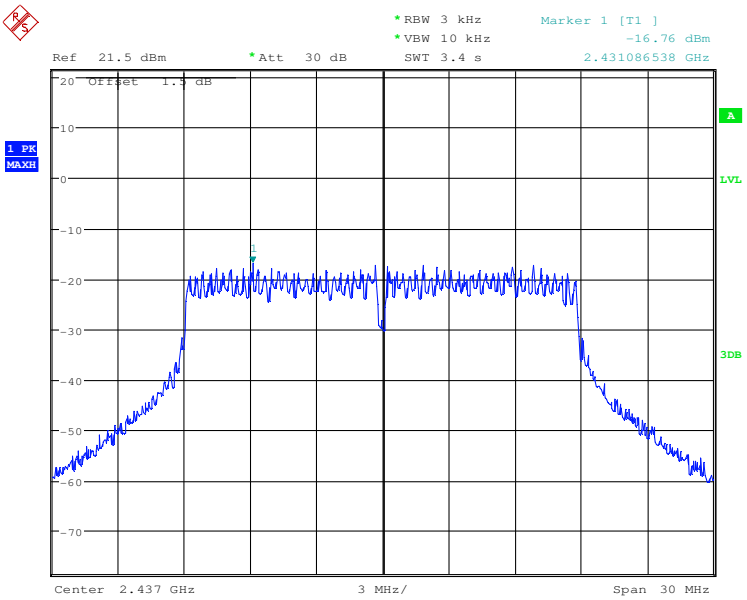
Test mode:	802.11g	Test channel:	Highest



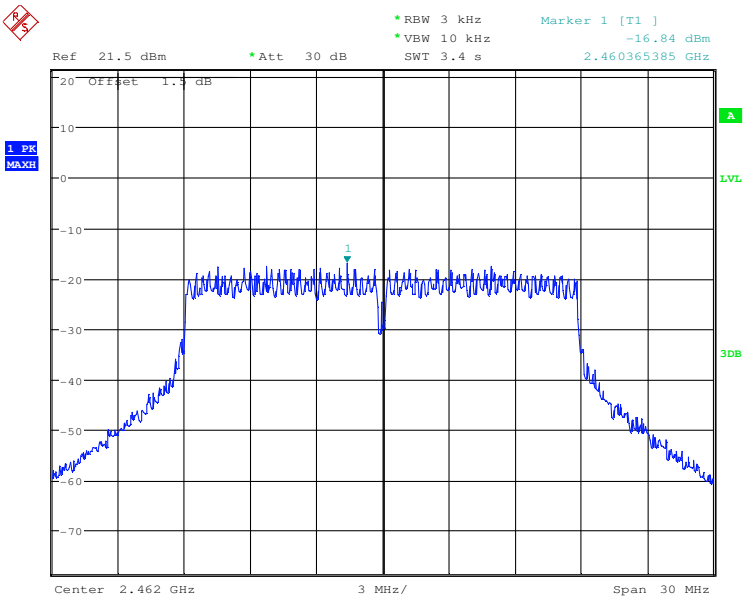
Test mode:	802.11n(HT20)	Test channel:	Lowest



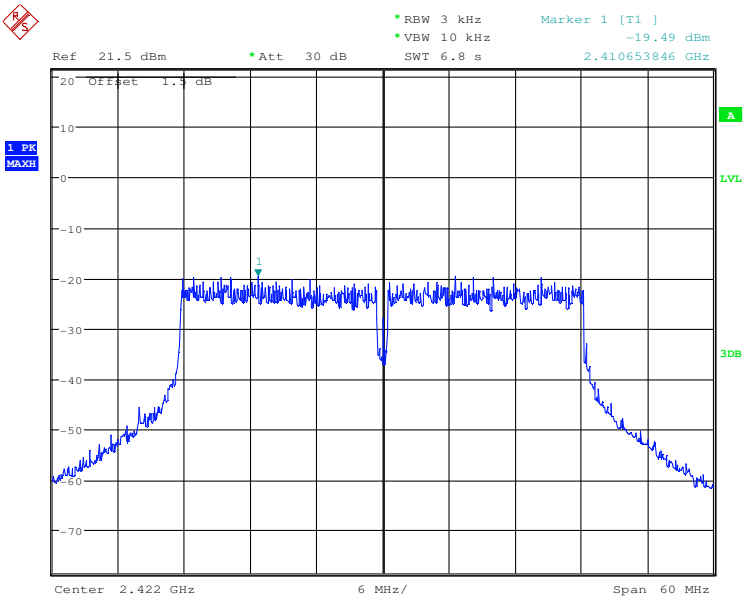
Test mode:	802.11n(HT20)	Test channel:	Middle



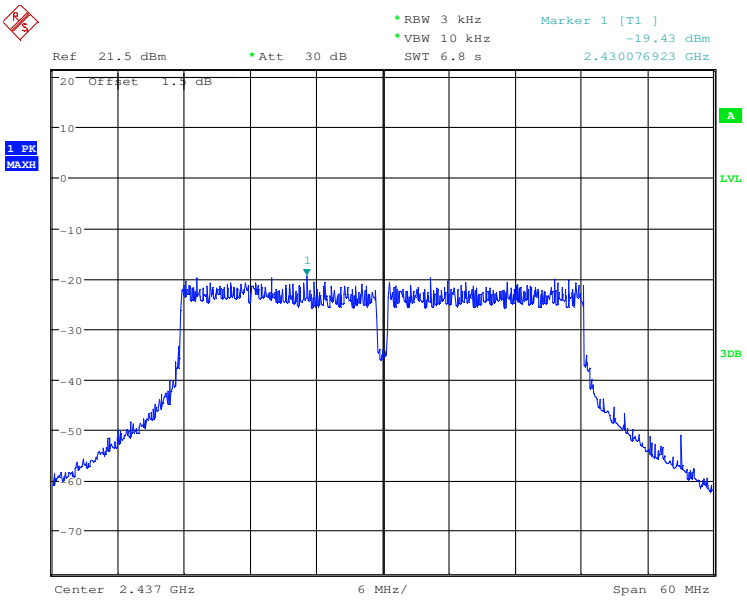
Test mode:	802.11n(HT20)	Test channel:	Highest



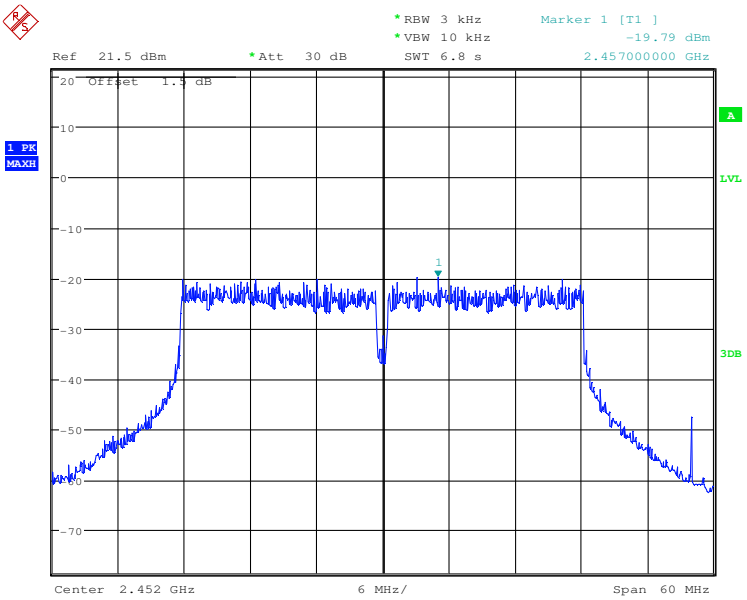
Test mode:	802.11n(HT40)	Test channel:	Lowest



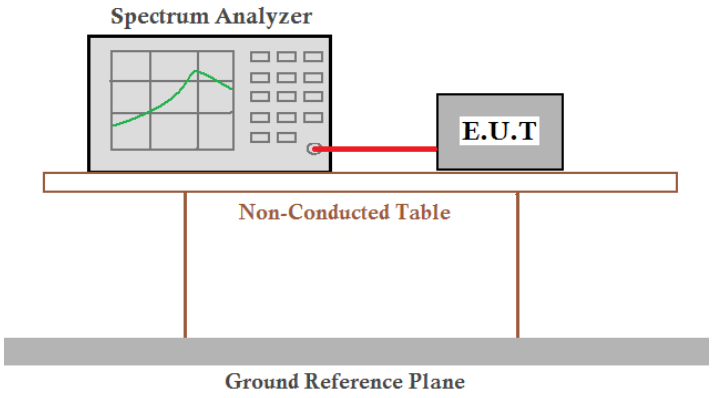
Test mode:	802.11n(HT40)	Test channel:	Middle



Test mode:	802.11n(HT40)	Test channel:	Highest



6.6 Band-edge for RF Conducted Emissions

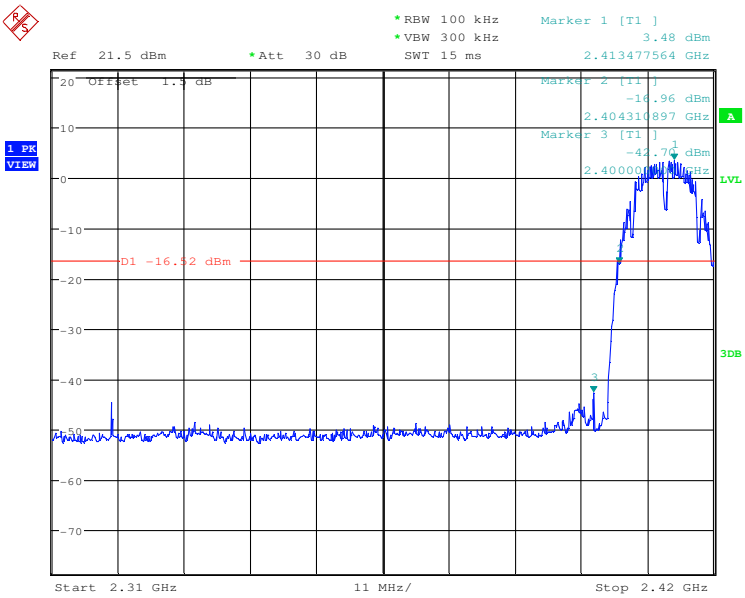
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01
Test Setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
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.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass
	Noted: According to KDB662911 D01Multiple Transmitter Output v02r01, section E) 3) a)(iii), Final value = Measure value + 10 log(NANT). Where (NANT) is the number of output
Remark: Through Pre-scan WIFI 1 and WIFI2, find the power of antenna 1 is larger than antenna 2 , so only the antenna 1 of each WIFI test data is included in this report	

Test plot as follows:

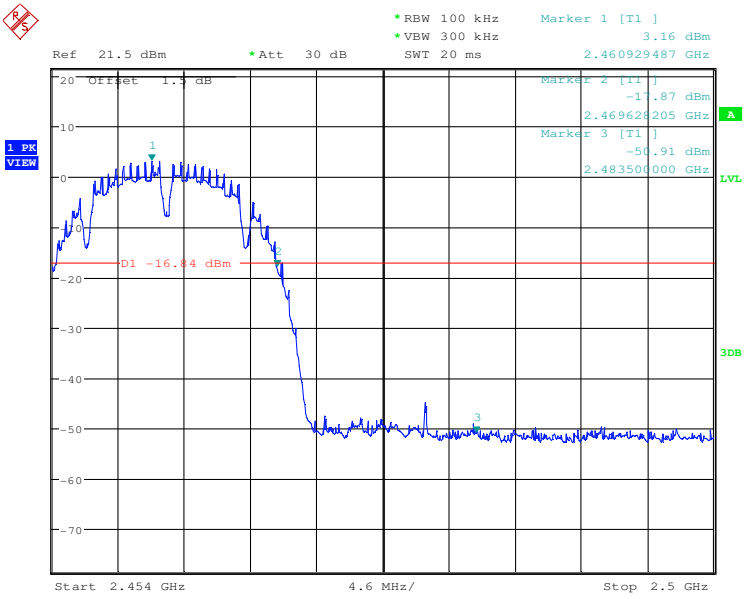
Wi-Fi 1

Antenna 1

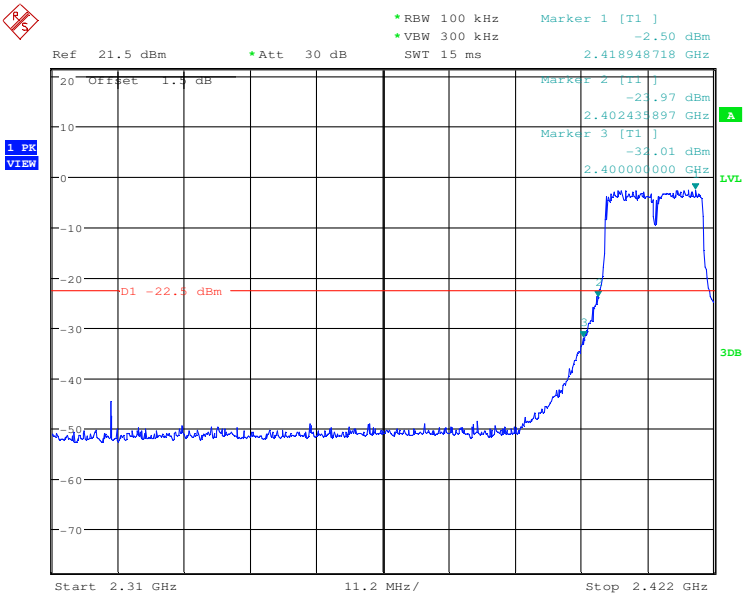
Test mode:	802.11b	Test channel:	Lowest



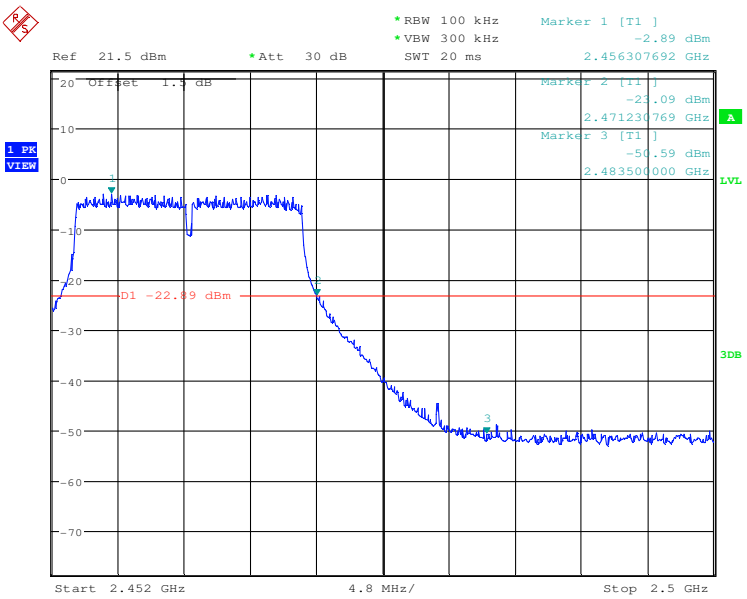
Test mode:	802.11b	Test channel:	Highest



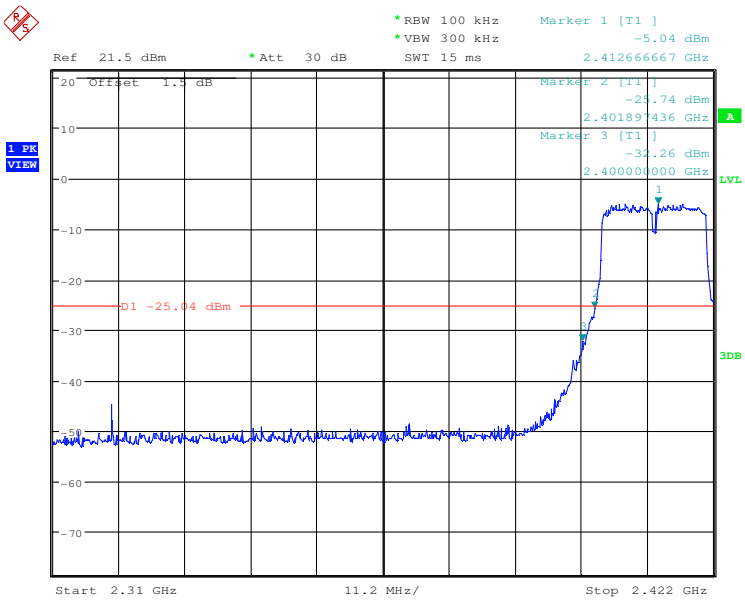
Test mode:	802.11g	Test channel:	Lowest



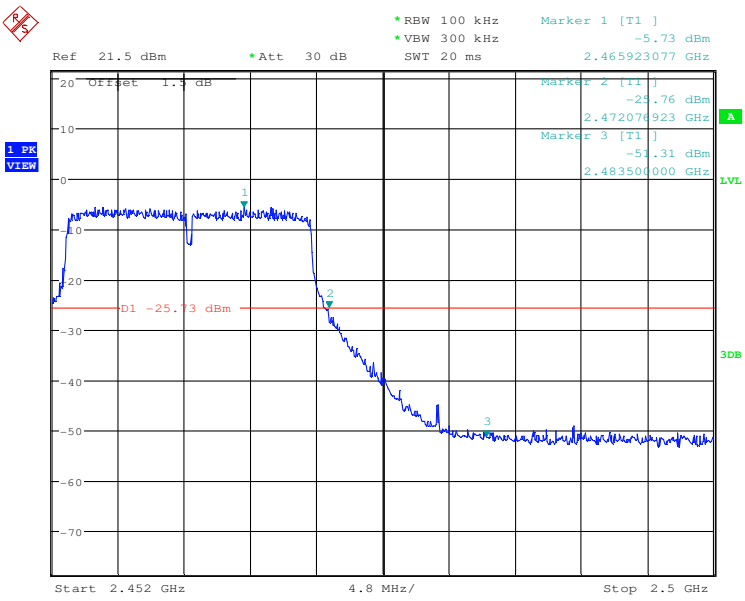
Test mode:	802.11g	Test channel:	Highest



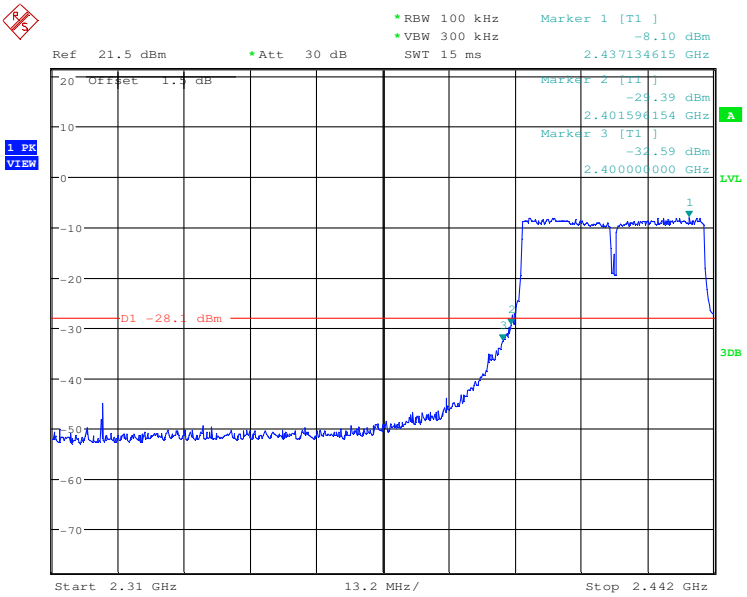
Test mode:	802.11n(HT20)	Test channel:	Lowest



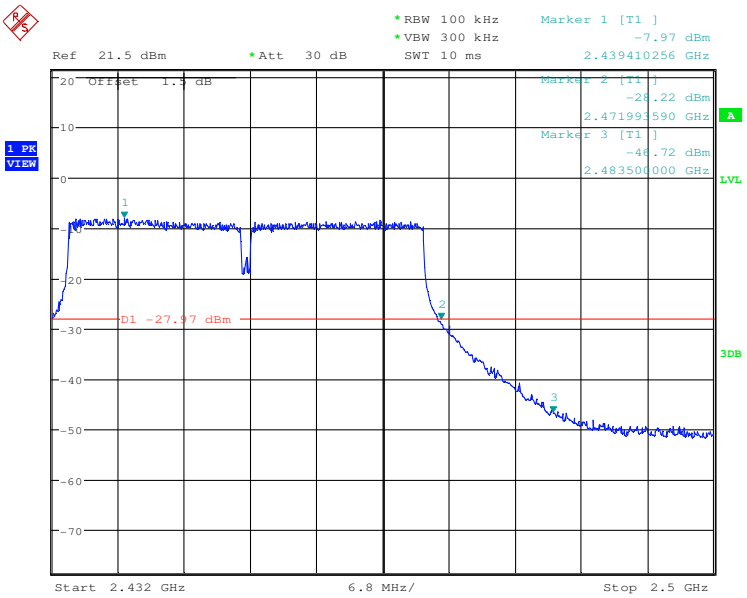
Test mode:	802.11n(HT20)	Test channel:	Highest



Test mode:	802.11n(HT40)	Test channel:	Lowest



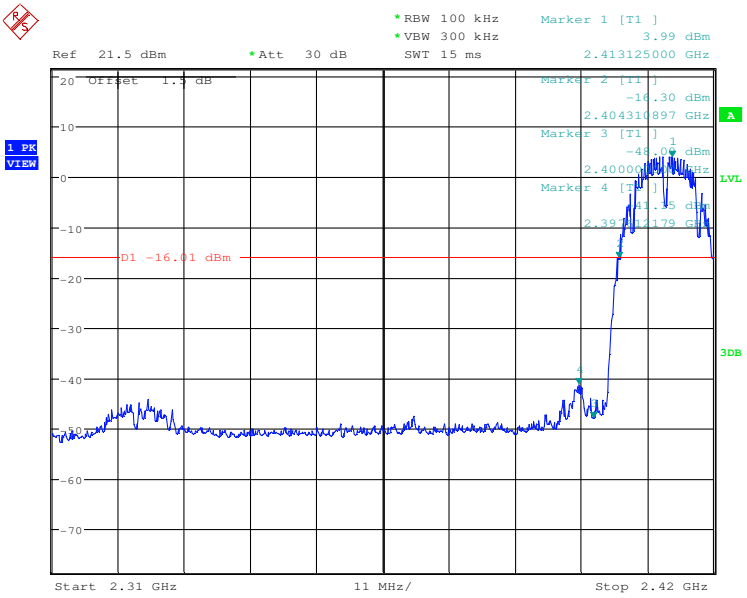
Test mode:	802.11n(HT40)	Test channel:	Highest



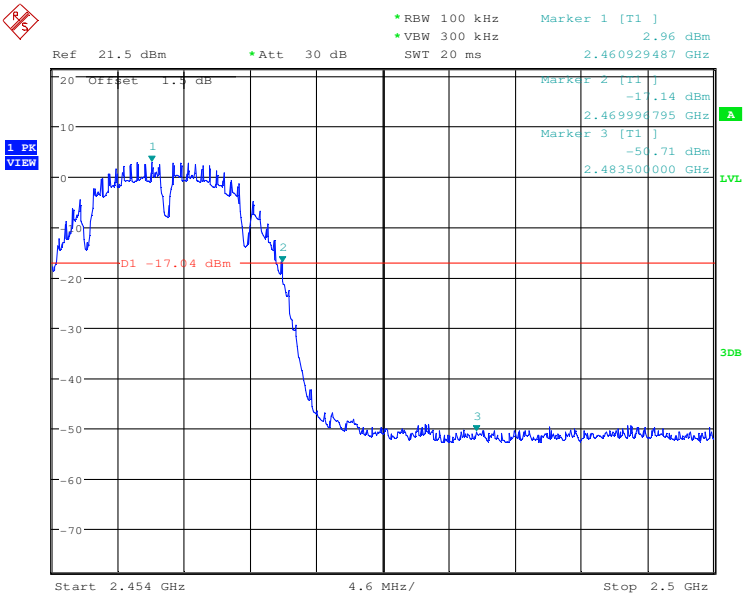
Wi-Fi 2

Antenna 1

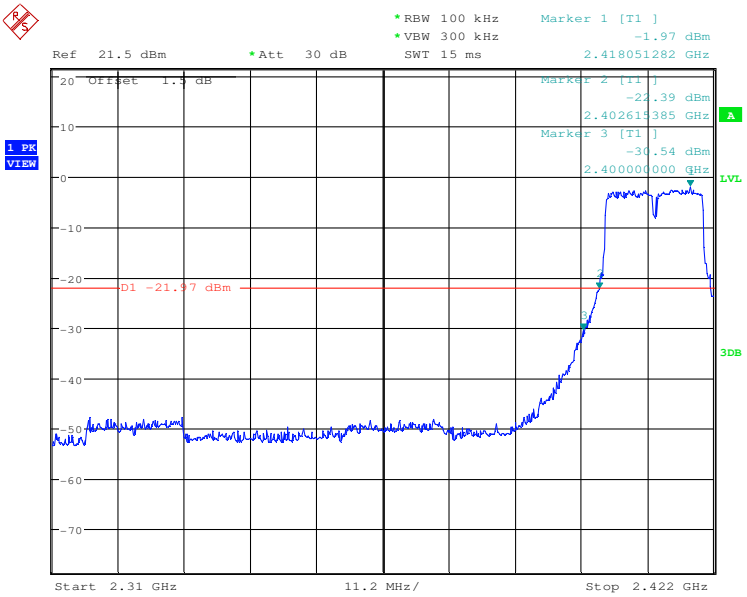
Test mode:	802.11b	Test channel:	Lowest



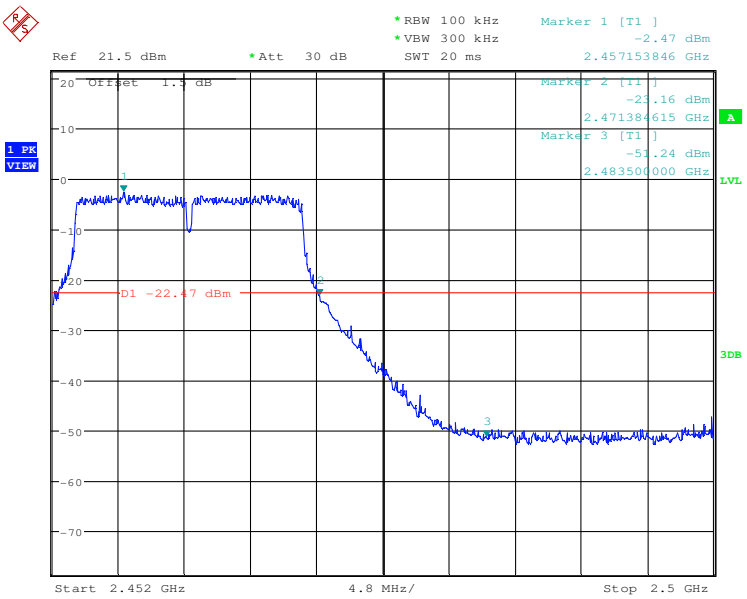
Test mode:	802.11b	Test channel:	Highest



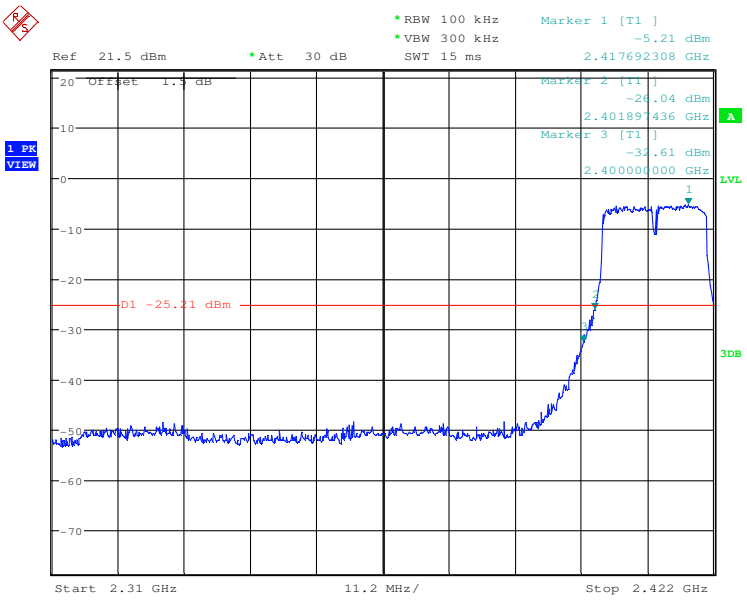
Test mode:	802.11g	Test channel:	Lowest



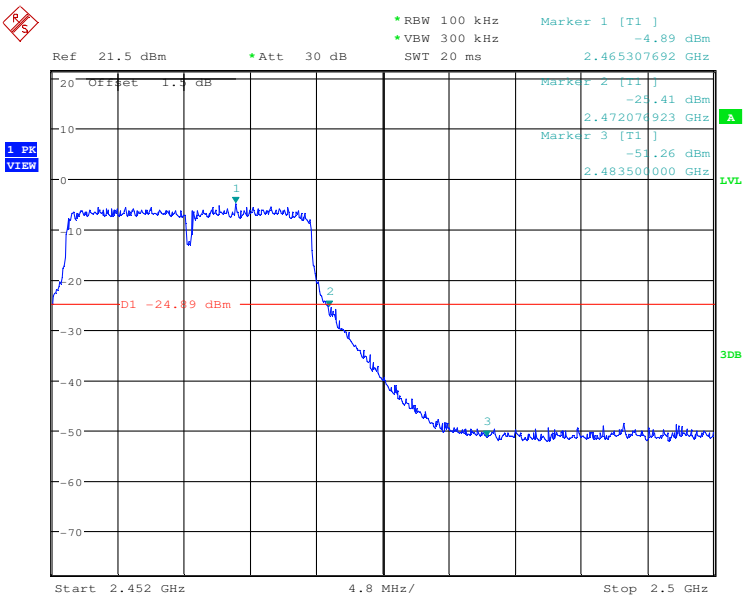
Test mode:	802.11g	Test channel:	Highest



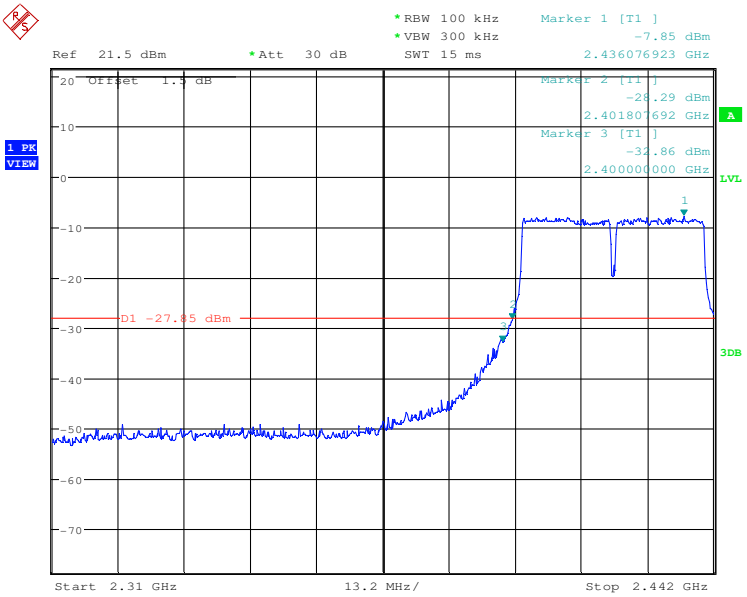
Test mode:	802.11n(HT20)	Test channel:	Lowest



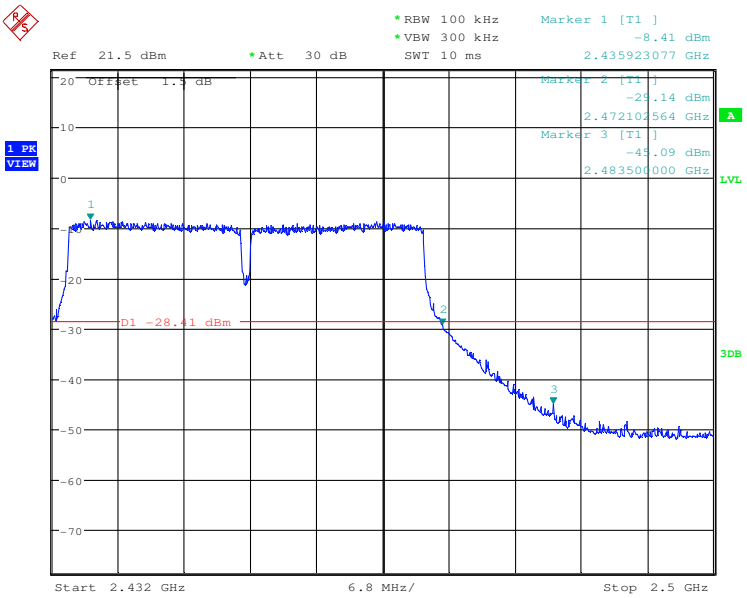
Test mode:	802.11n(HT20)	Test channel:	Highest



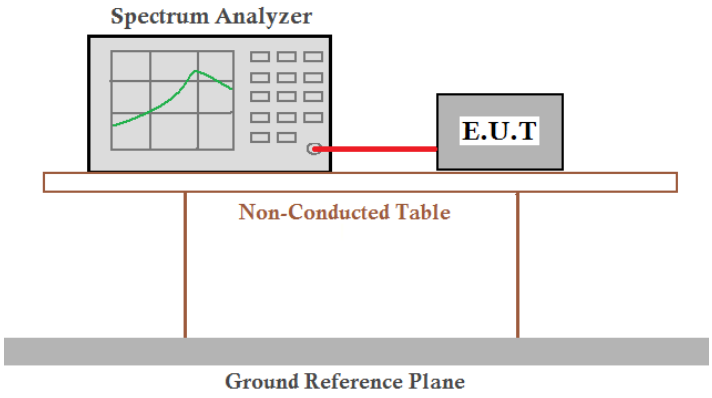
Test mode:	802.11n(HT40)	Test channel:	Lowest



Test mode:	802.11n(HT40)	Test channel:	Highest

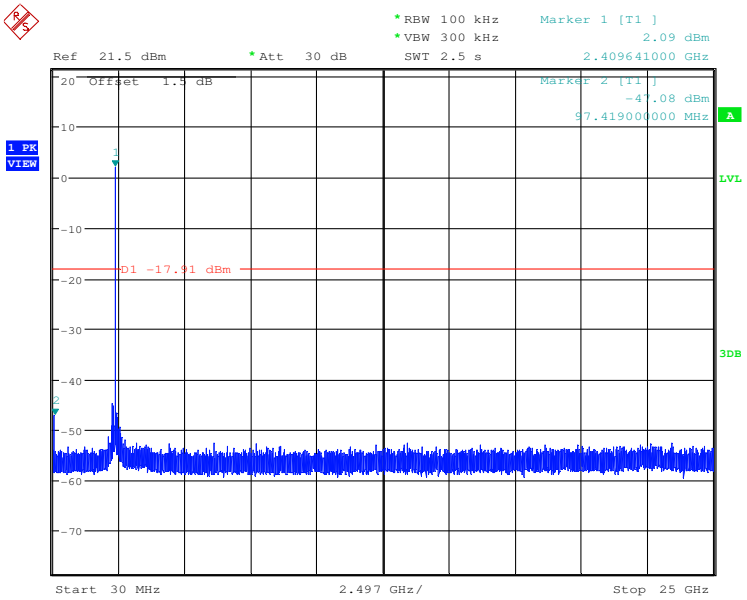


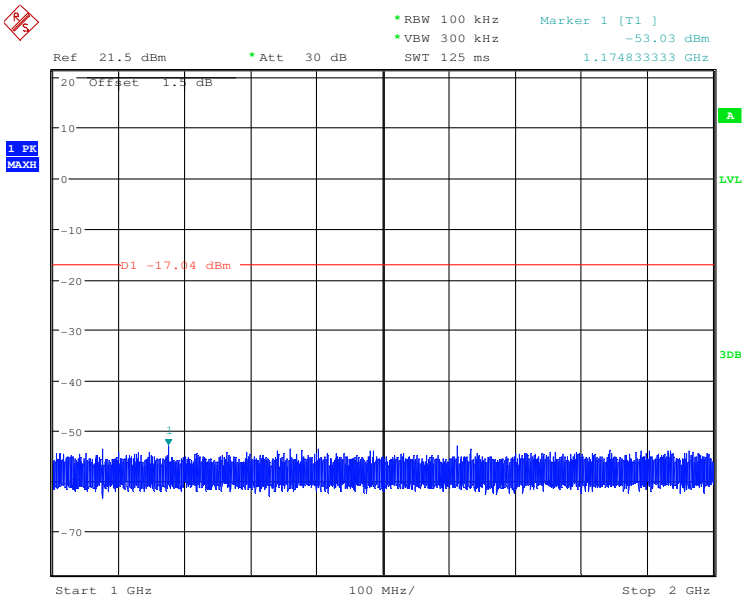
6.7 RF Conducted Spurious Emissions

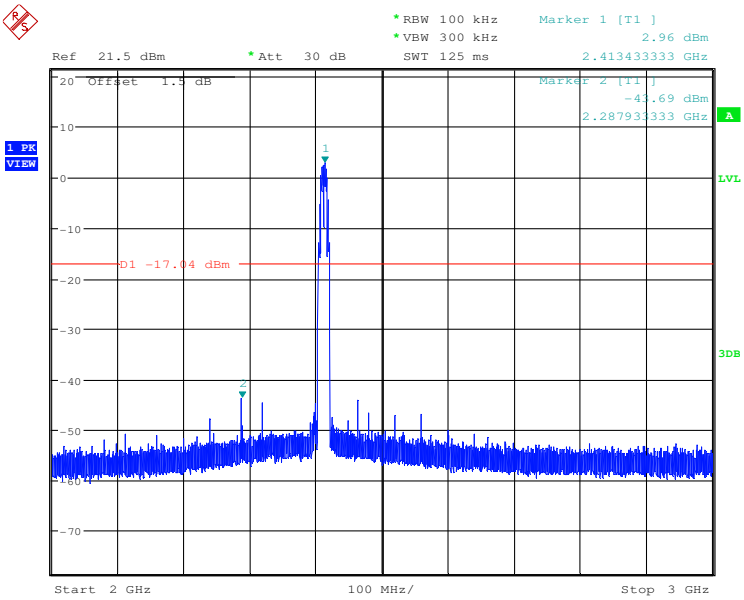
Test Requirement:	47 CFR Part 15C Section 15.247 (d)
Test Method:	KDB558074 D01 v03r02 KDB662911 D01Multiple Transmitter Output v02r01
Test Setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
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.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass
	Noted: According to KDB662911 D01Multiple Transmitter Output v02r01, section E) 3) a)(iii), Final value = Measure value + 10 log(NANT). Where (NANT) is the number of output
Remark: Through Pre-scan the WIFI1 and WIFI2, find the power of antenna 1 is larger than antenna 2 , so only the antenna 1 of each WIFI test data is included in this report	

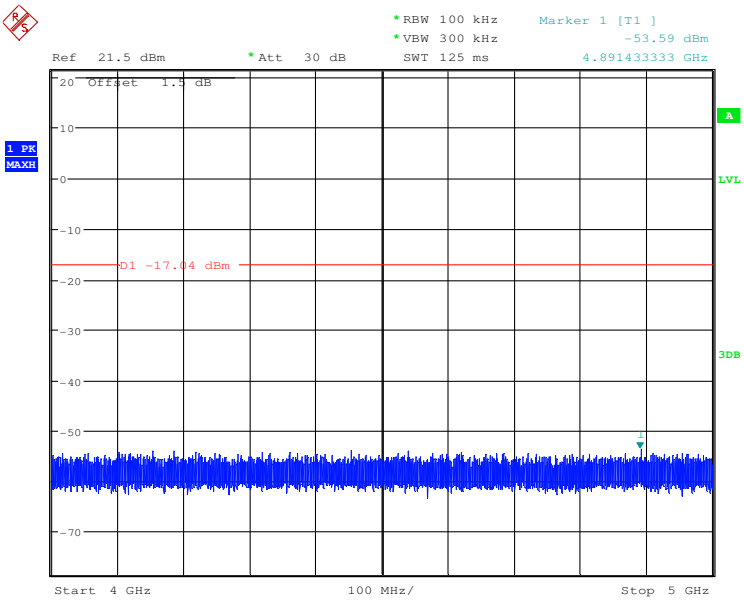
Test plot as follows:
Wi-Fi 1
Antenna 1

Test mode:	802.11b	Test channel:	Lowest

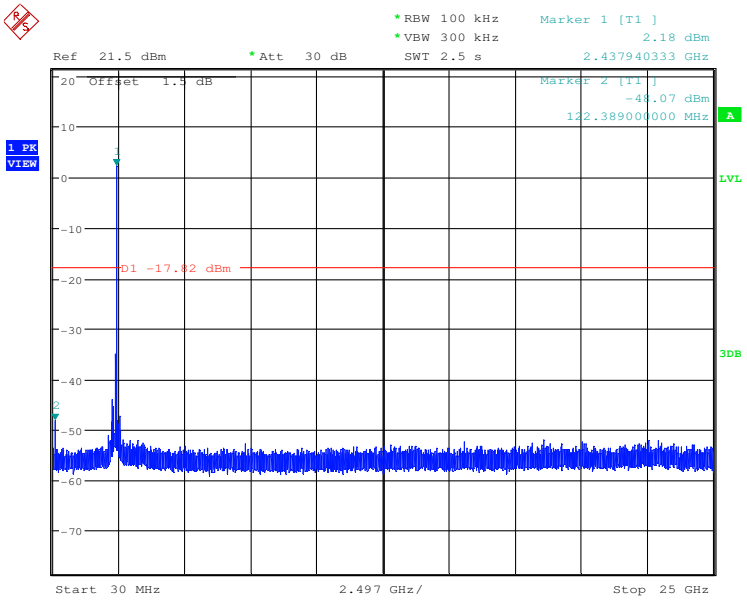


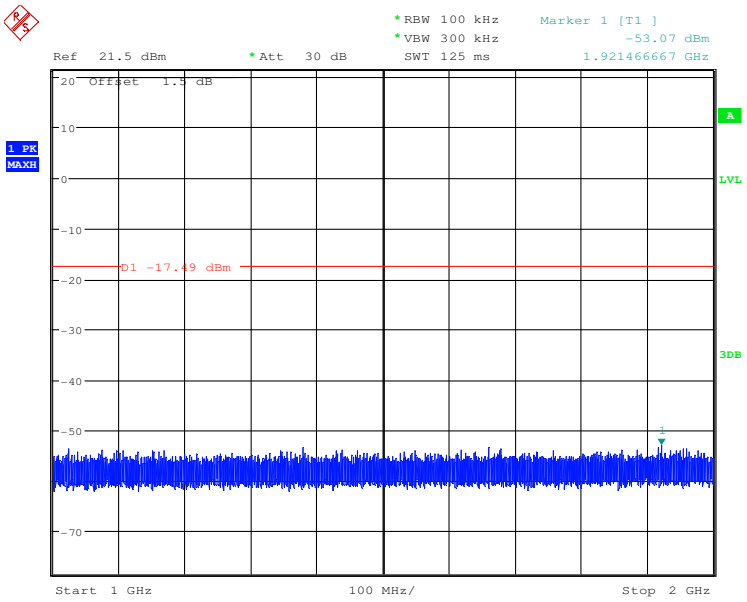


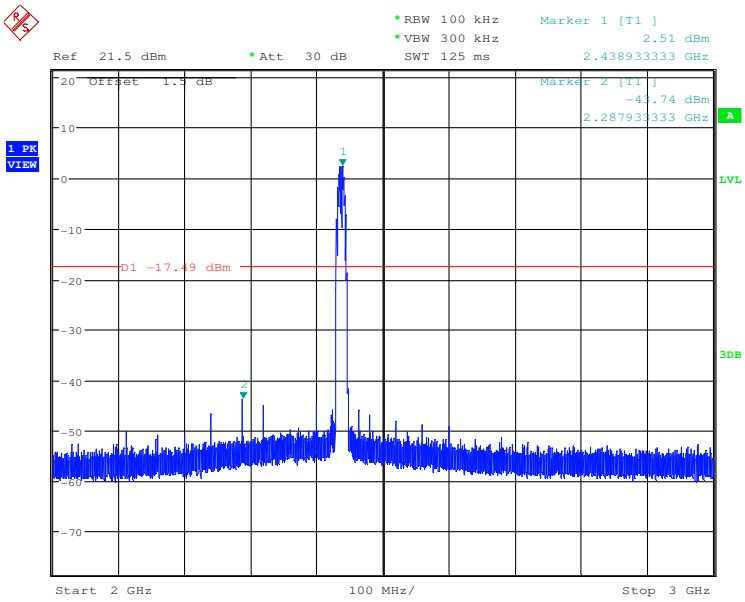


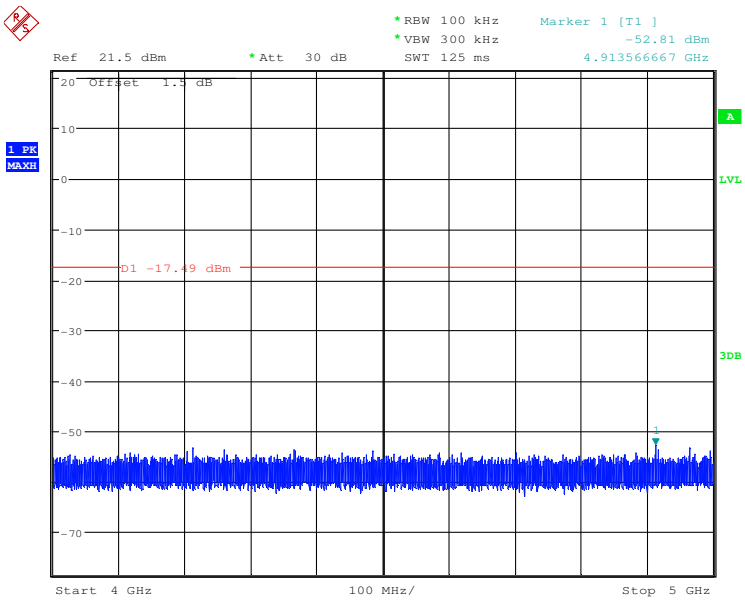


Test mode:	802.11b	Test channel:	Middle

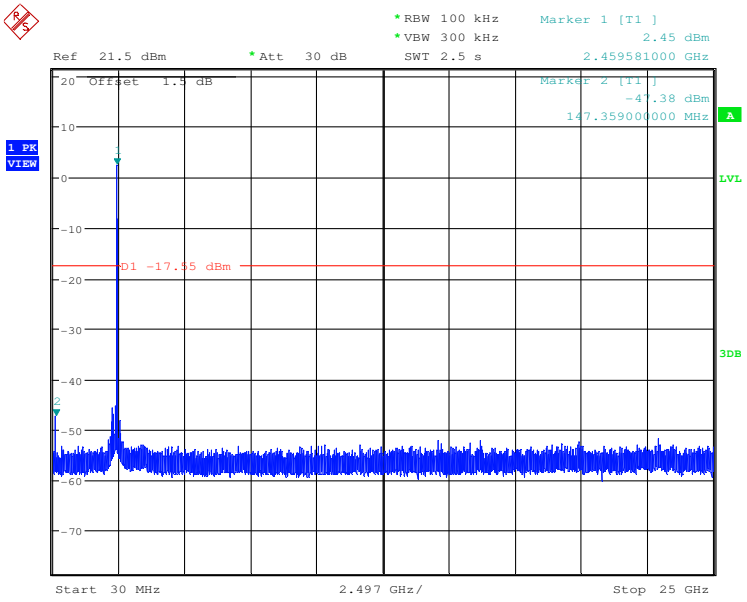


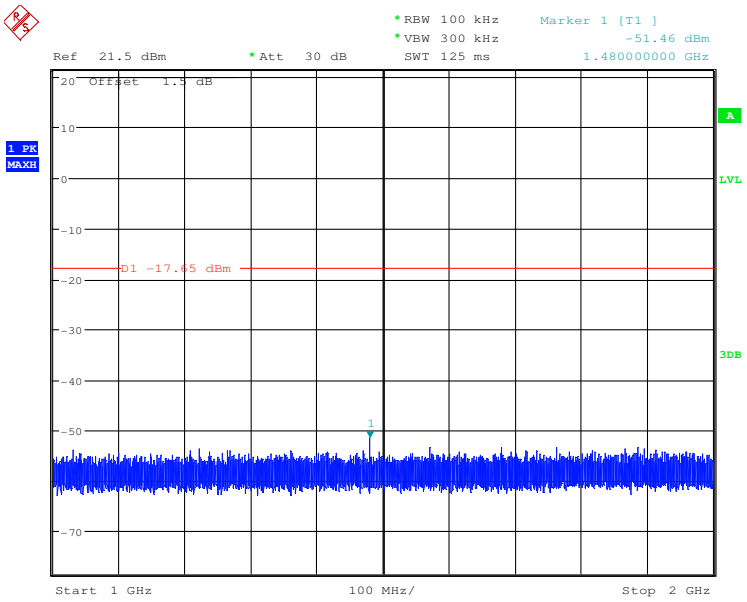


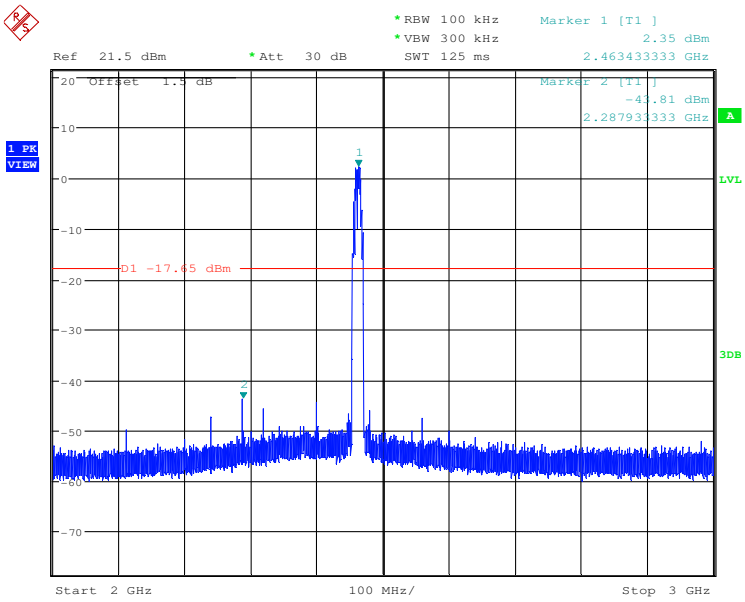


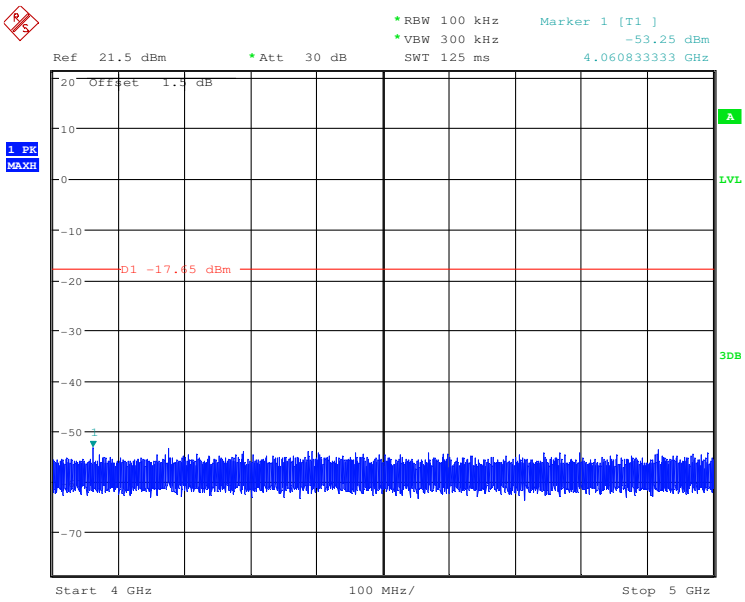


Test mode:	802.11b	Test channel:	Highest

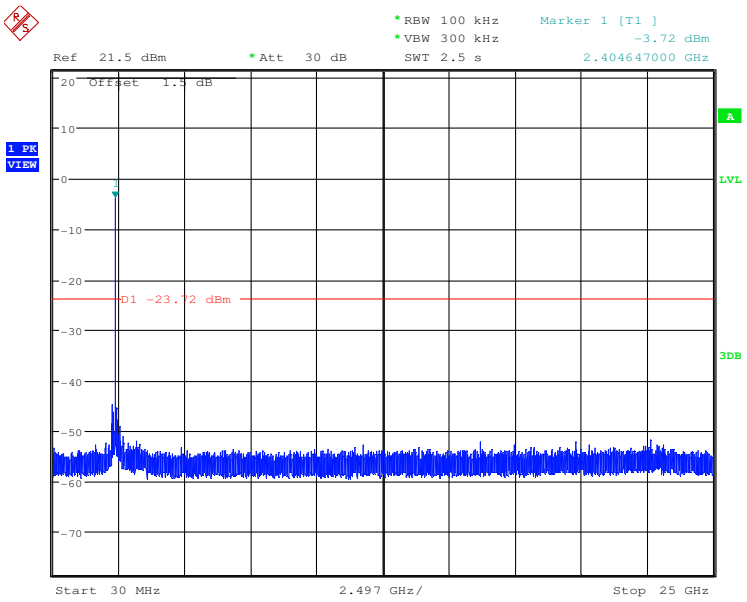


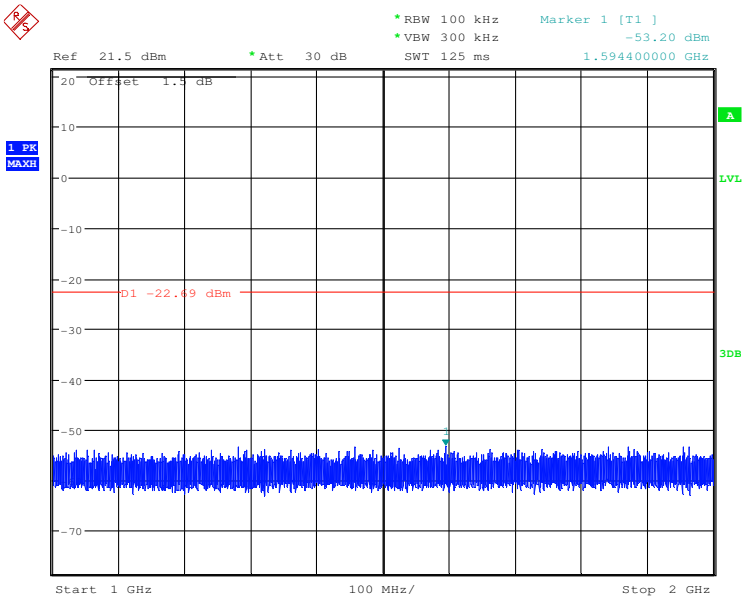


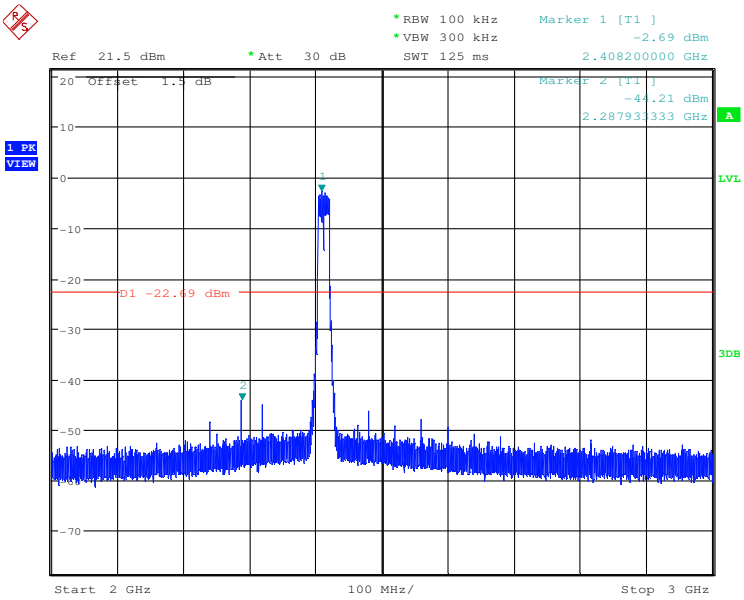


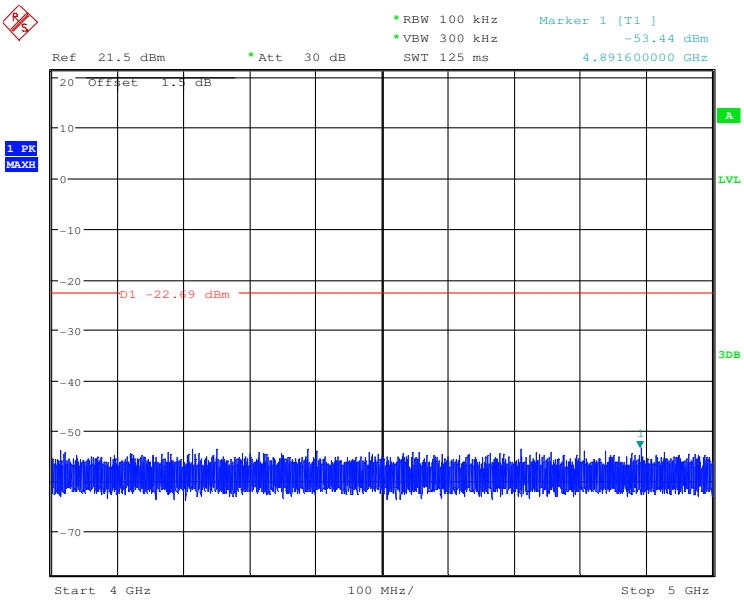


Test mode:	802.11g	Test channel:	Lowest

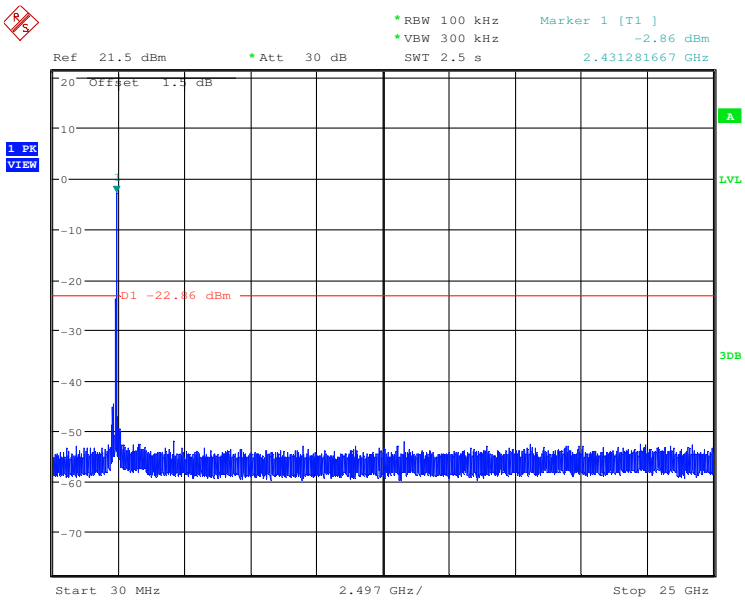


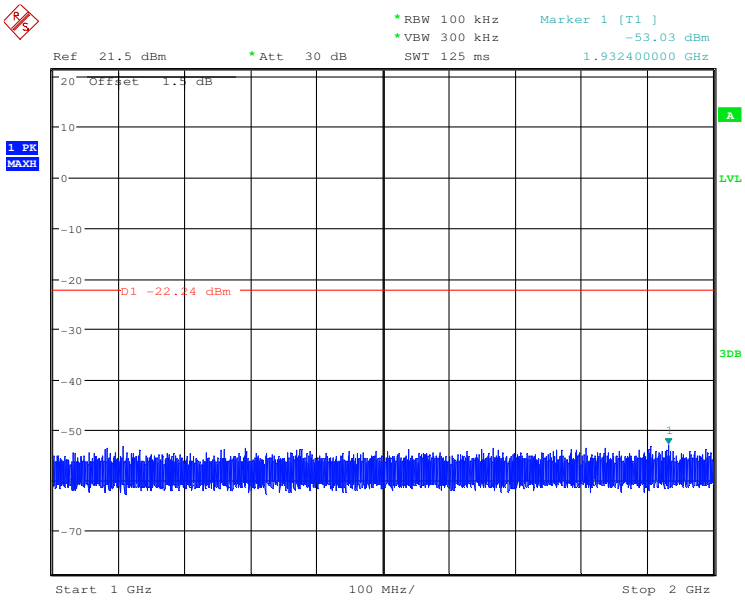


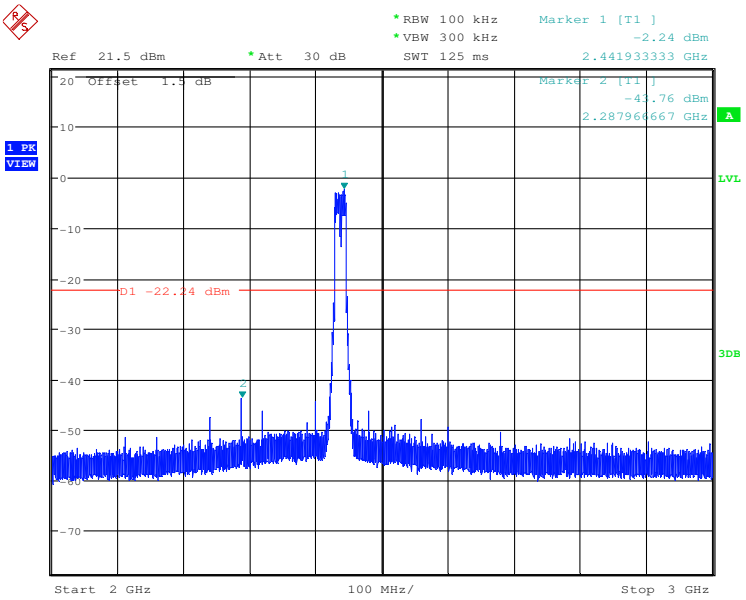


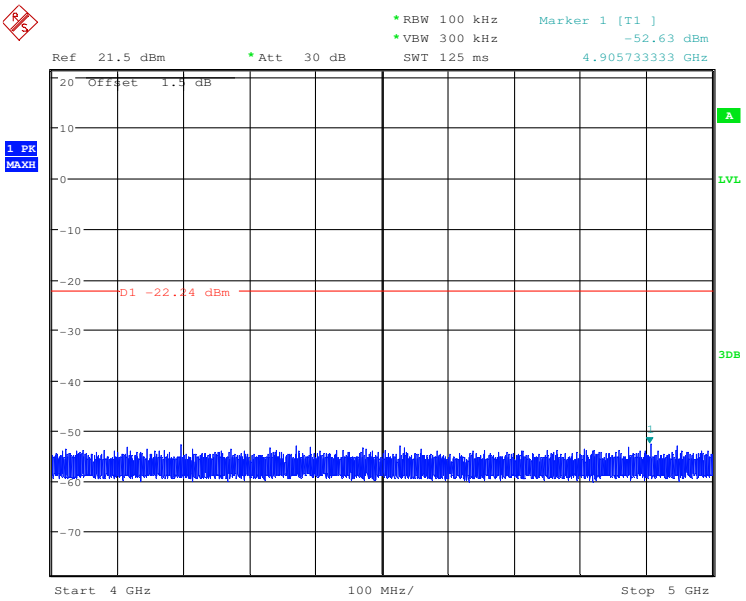


Test mode:	802.11g	Test channel:	Middle

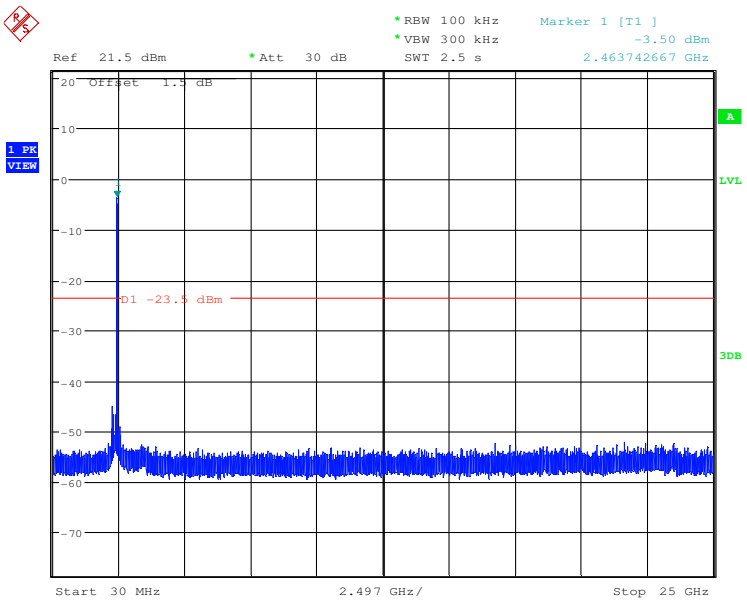


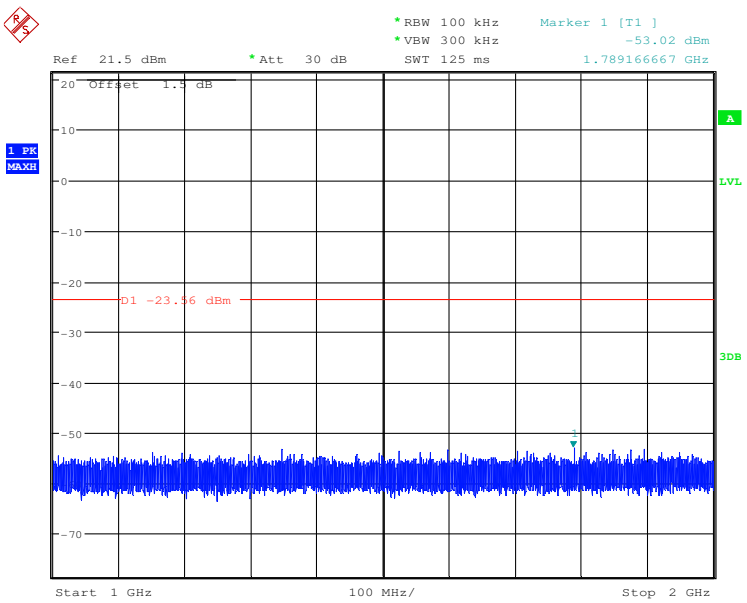


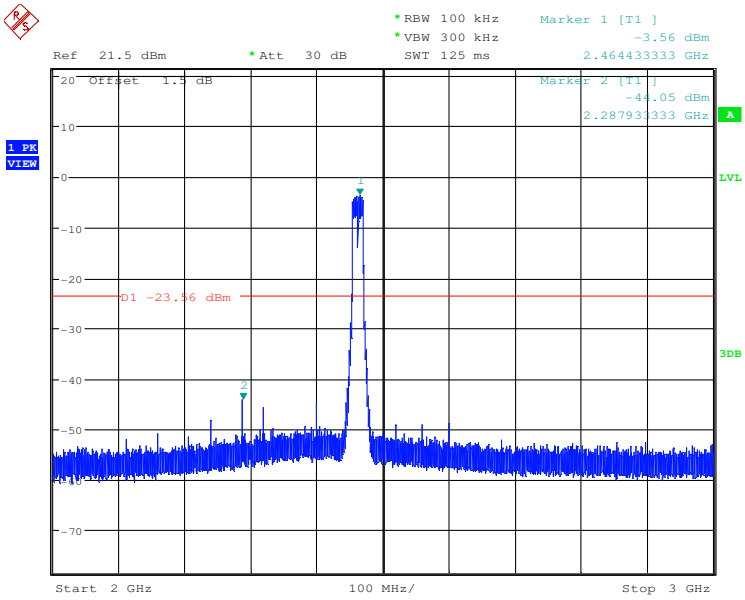


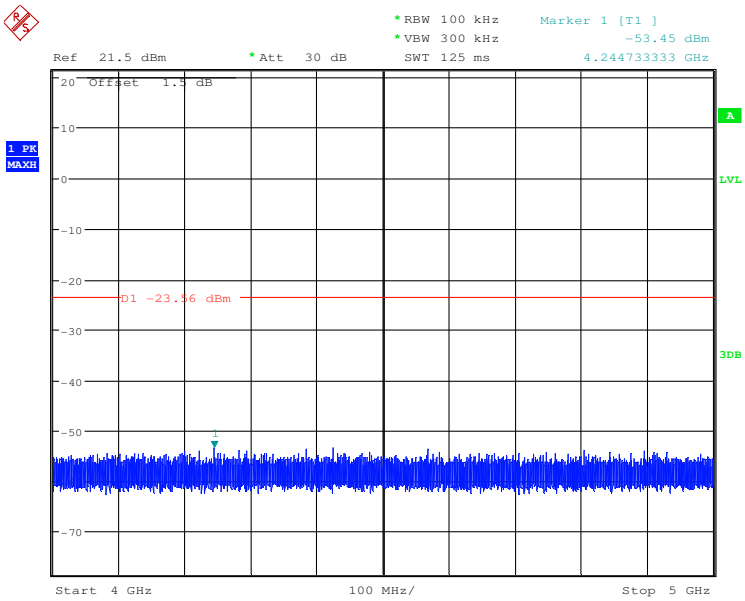


Test mode:	802.11g	Test channel:	Highest

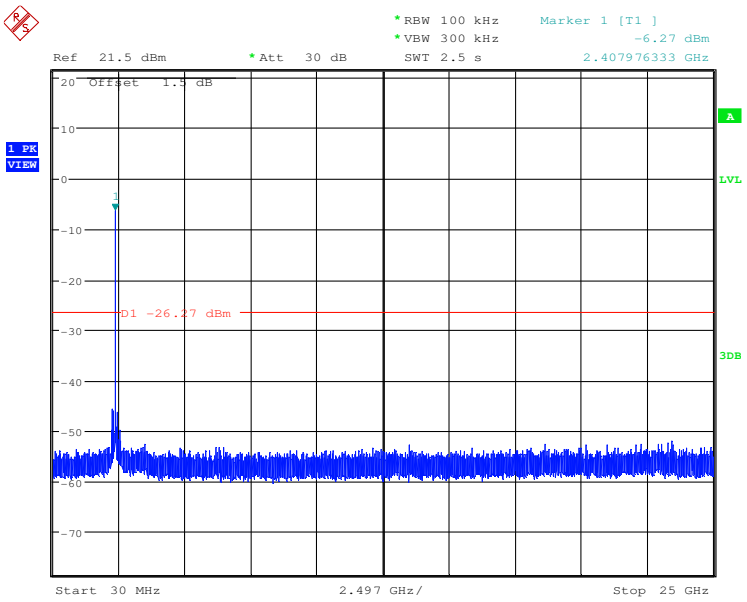


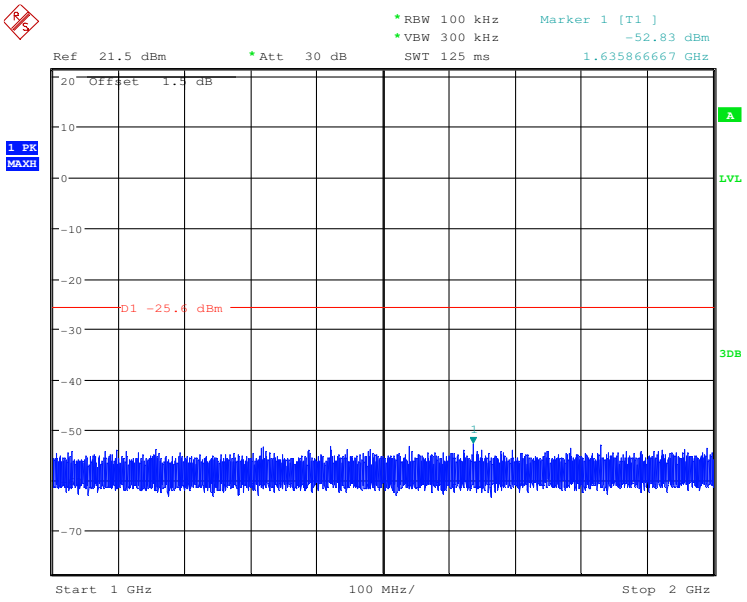


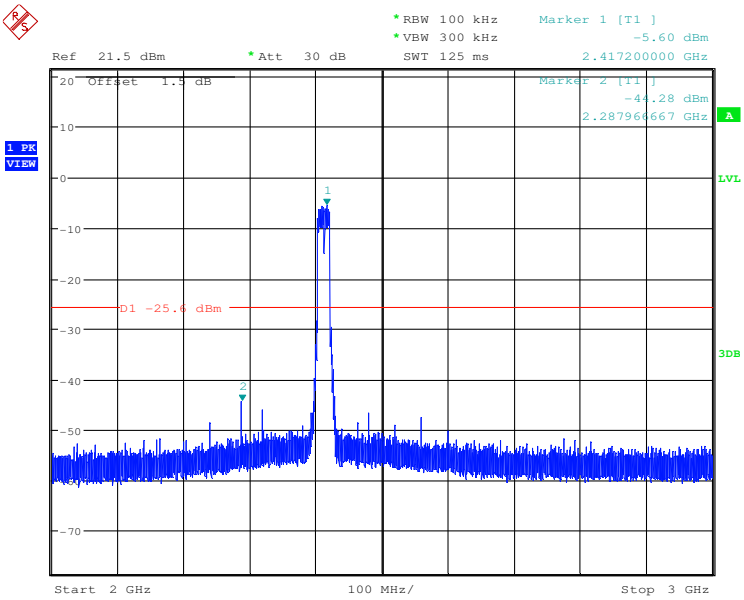


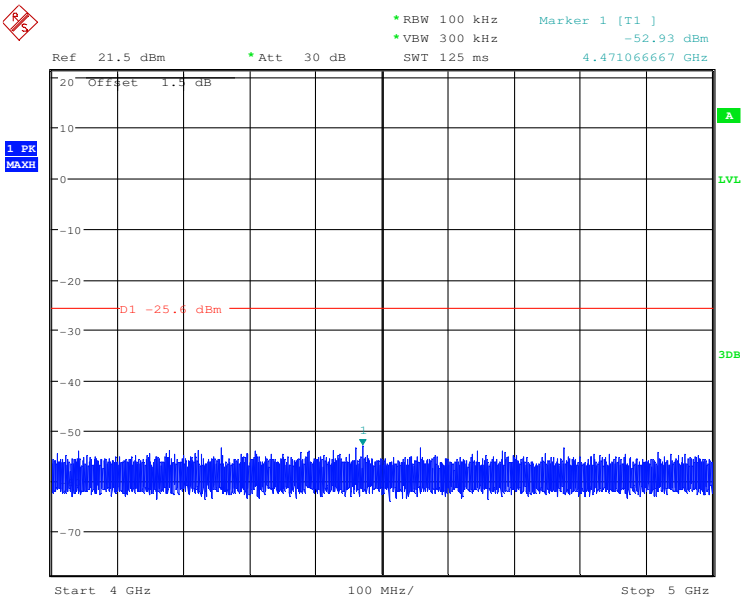


Test mode:	802.11n(HT20)	Test channel:	Lowest

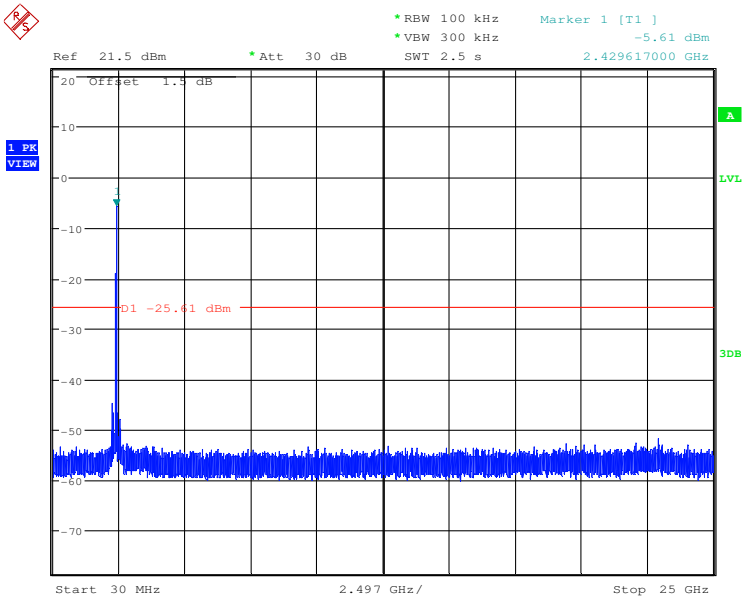


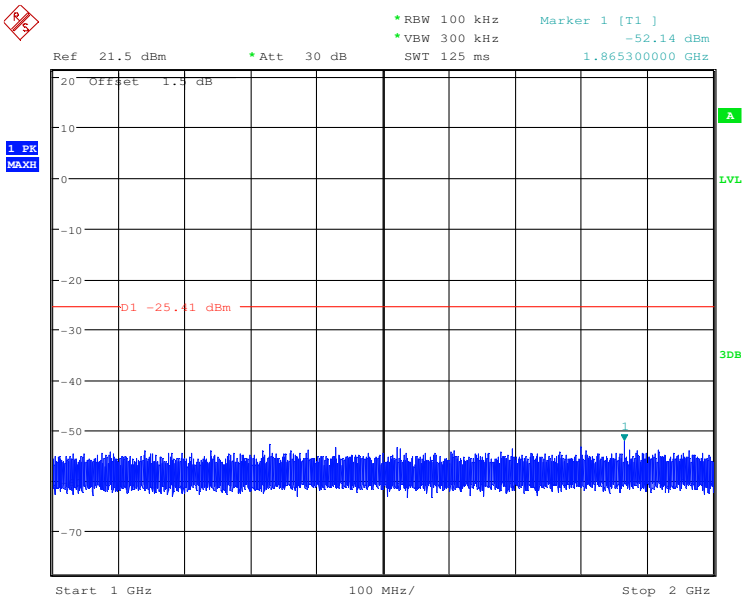


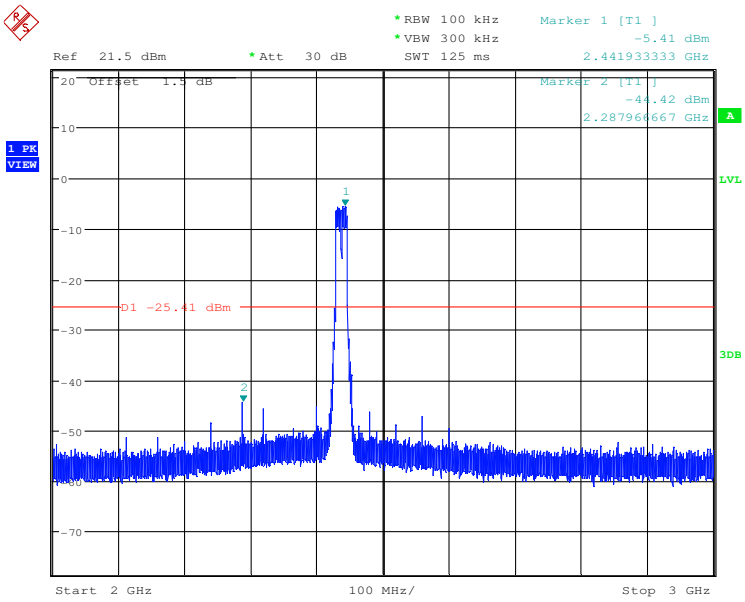


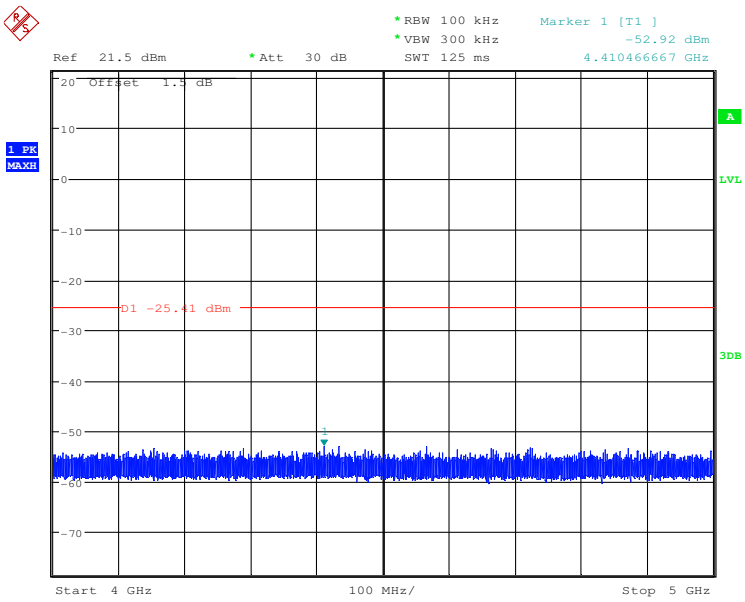


Test mode:	802.11n(HT20)	Test channel:	Middle

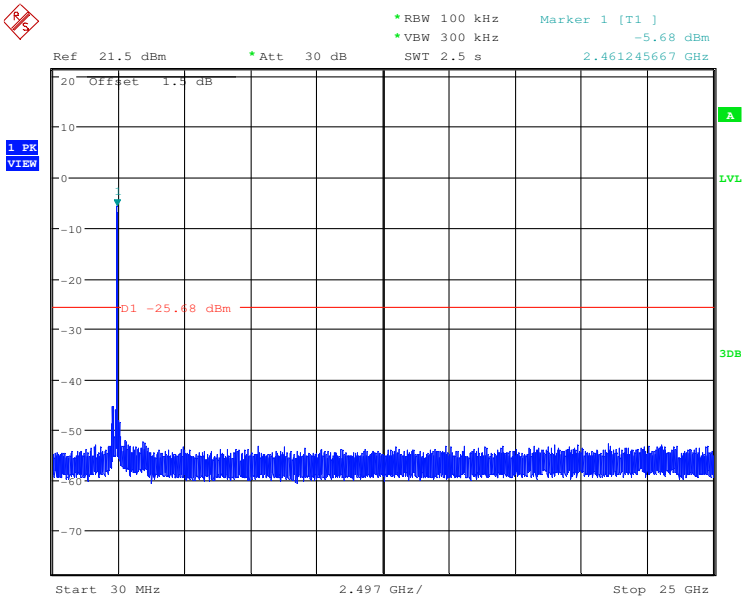


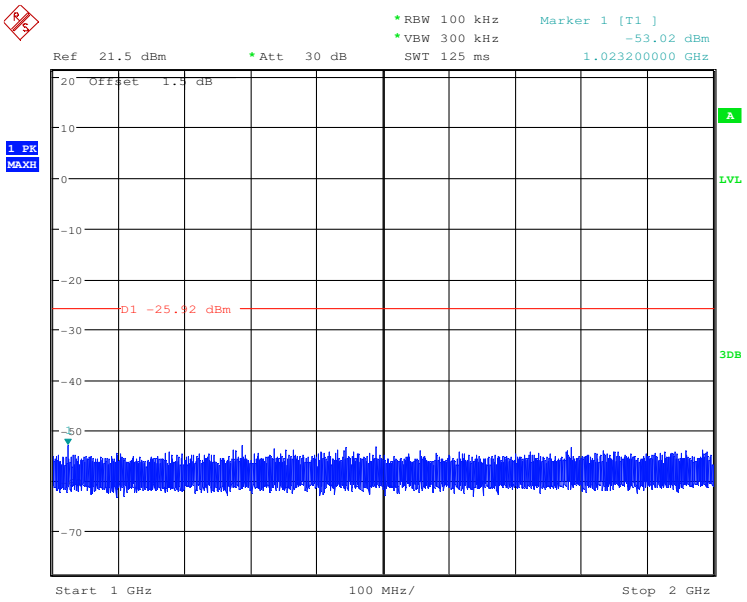


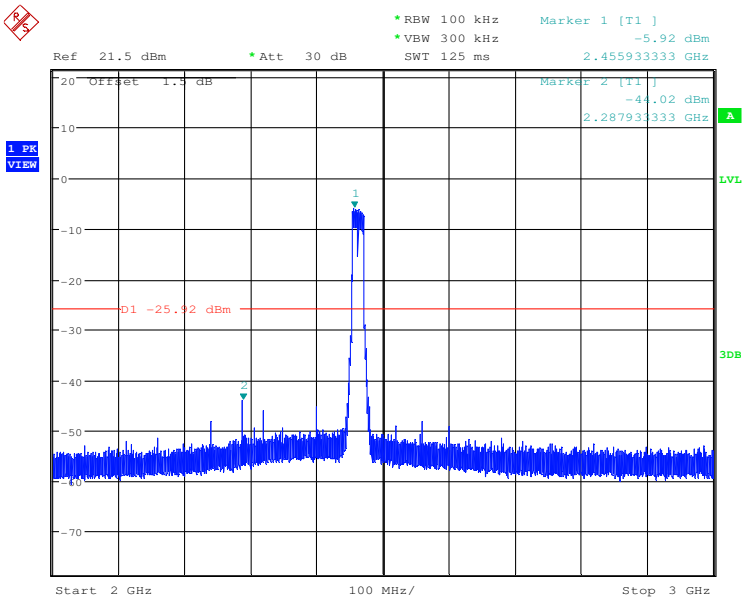


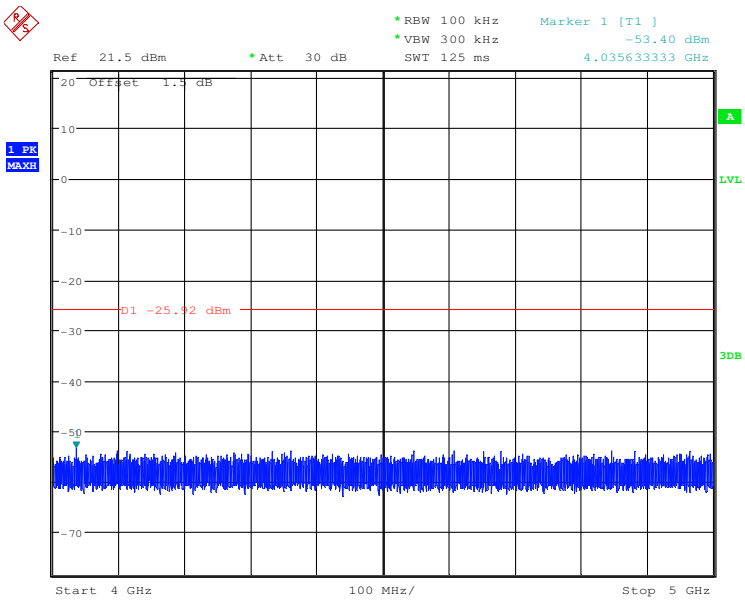


Test mode:	802.11n(HT20)	Test channel:	Highest

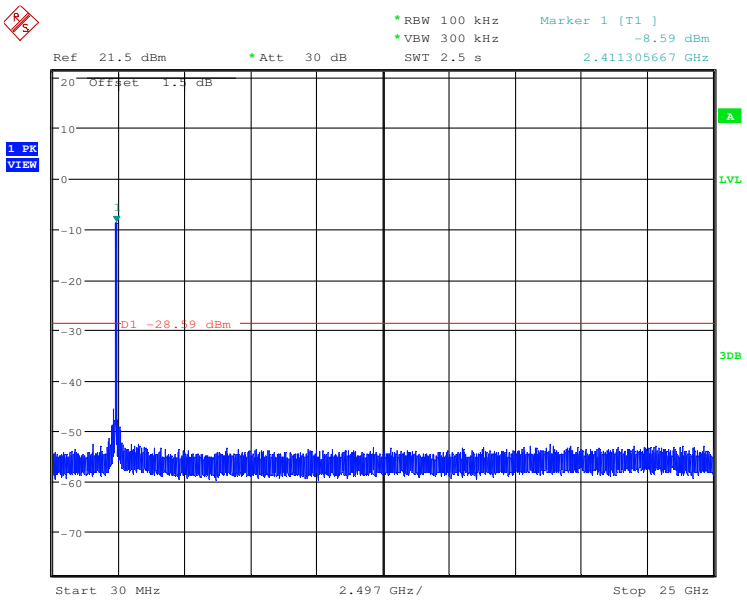


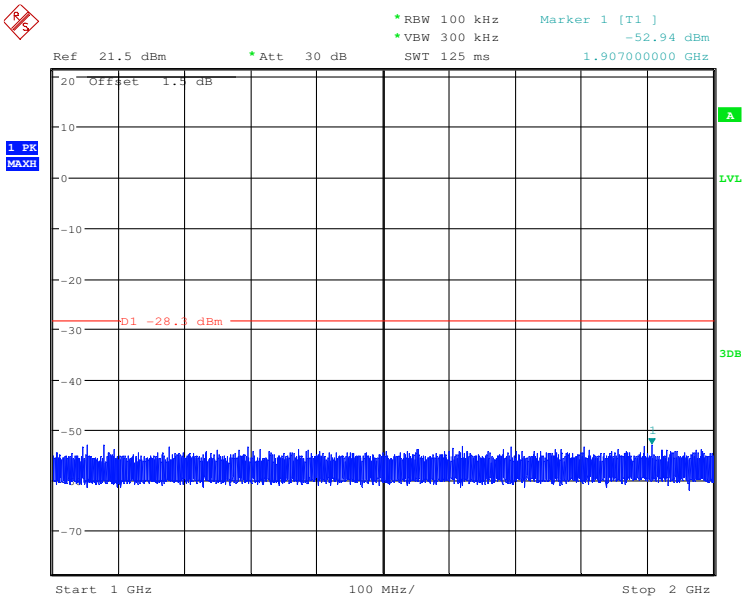


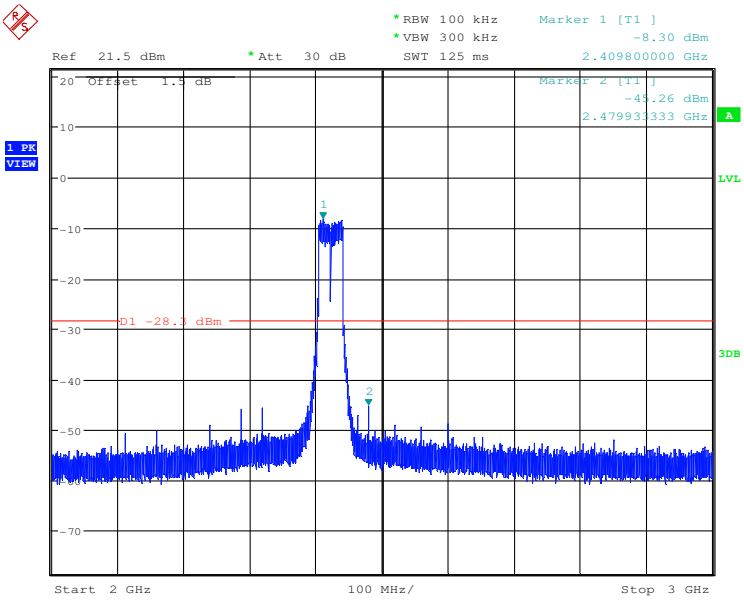


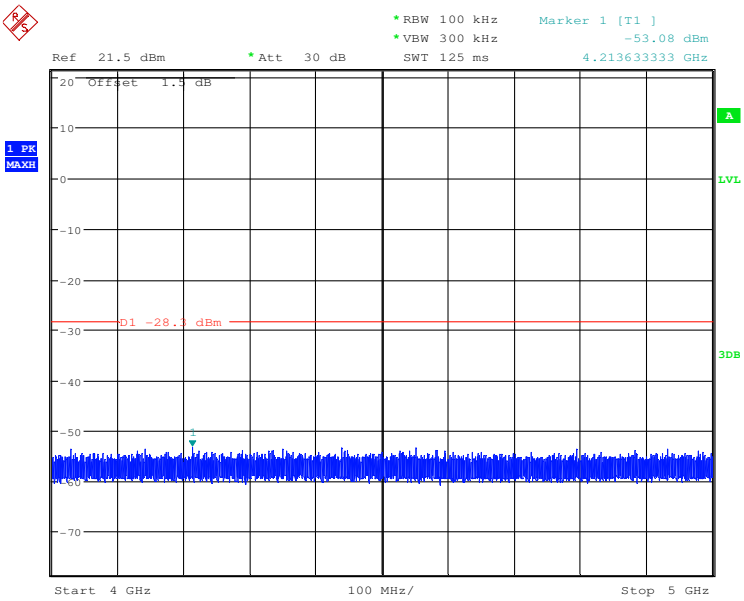


Test mode:	802.11n(HT40)	Test channel:	Lowest

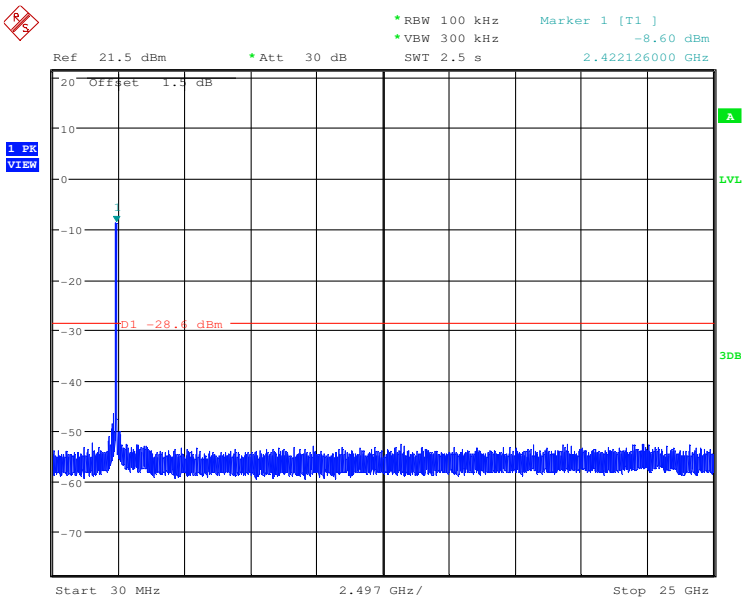


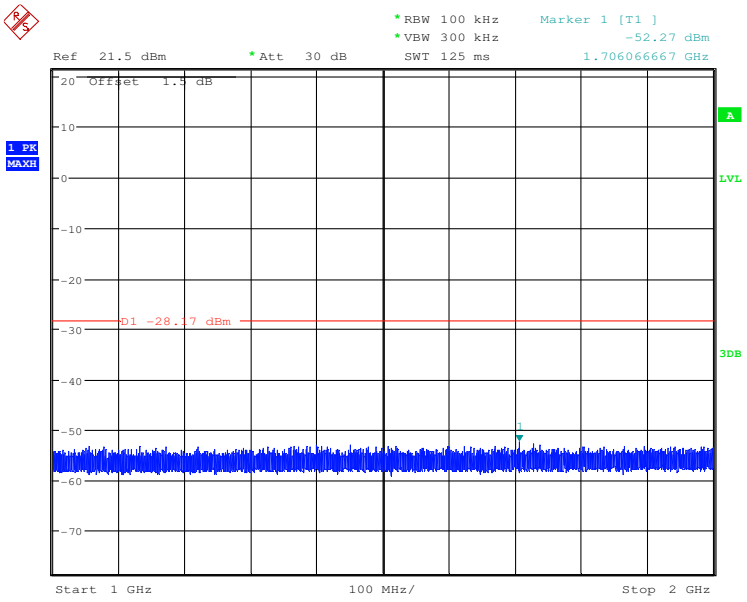


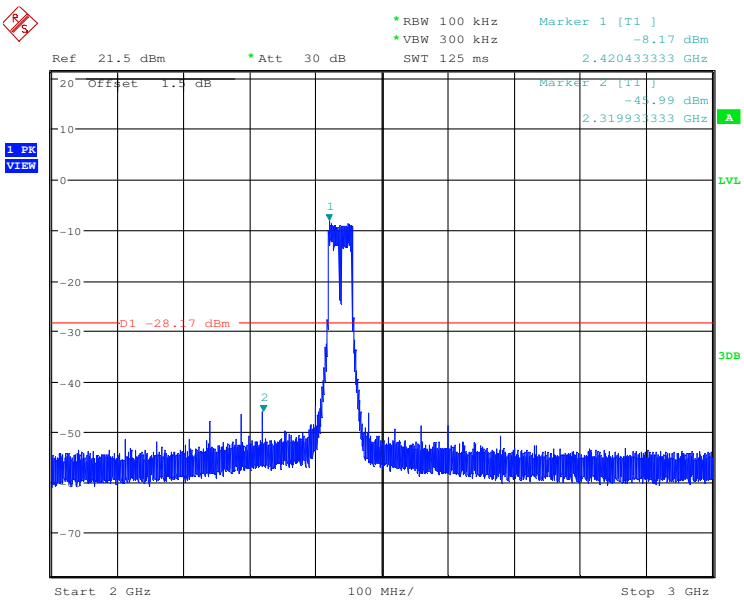


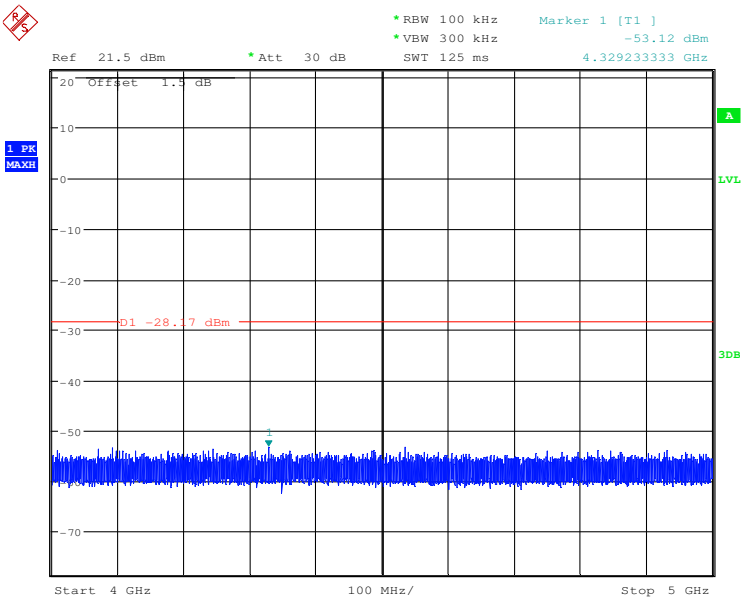


Test mode:	802.11n(HT40)	Test channel:	Middle

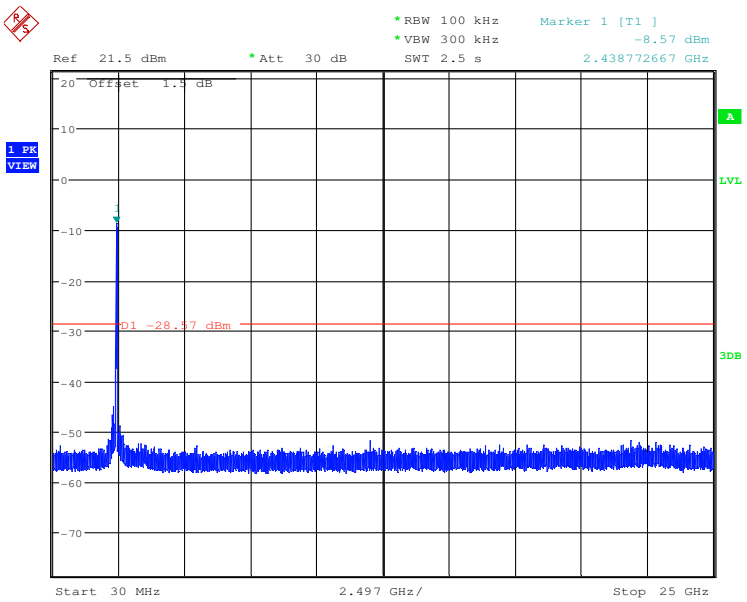


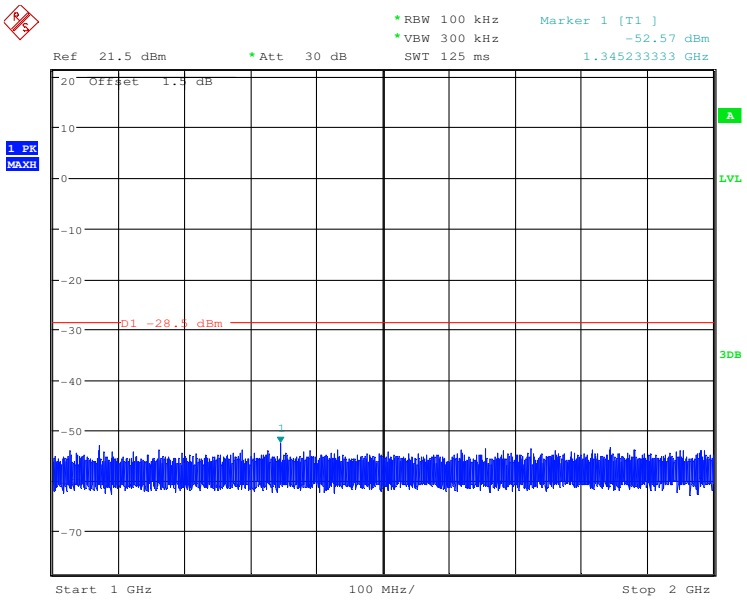


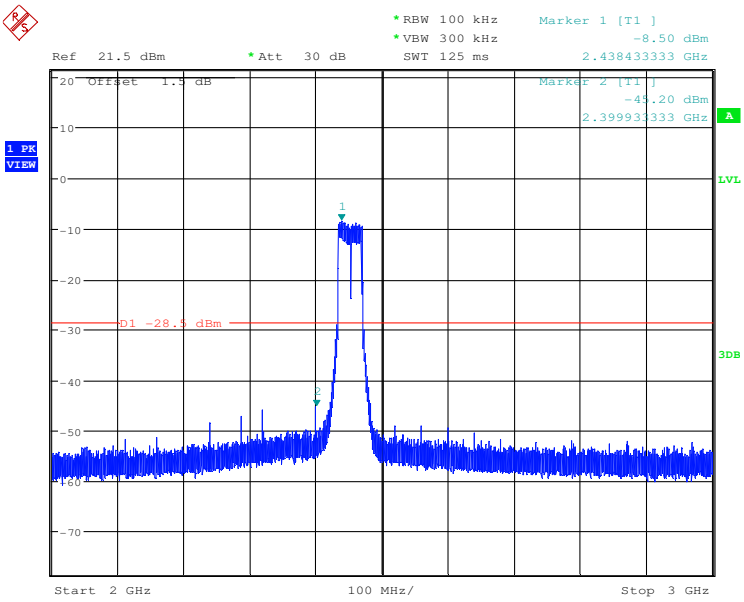


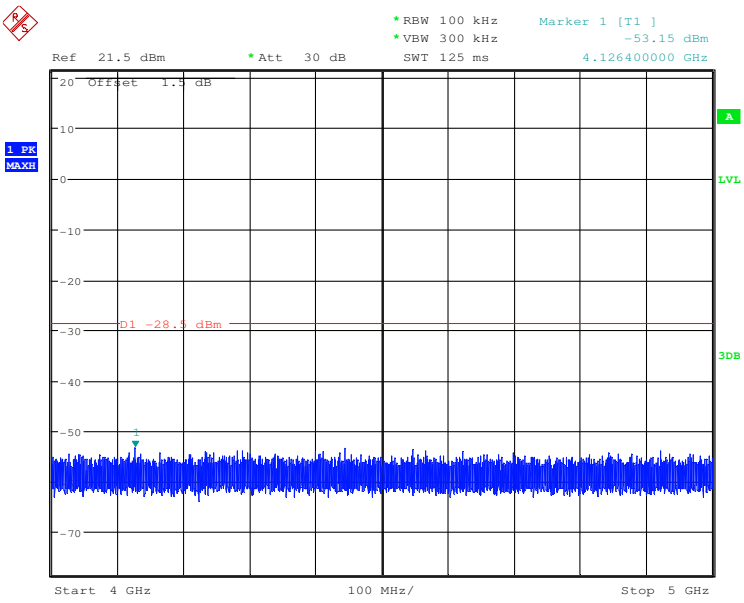


Test mode:	802.11n(HT40)	Test channel:	Highest



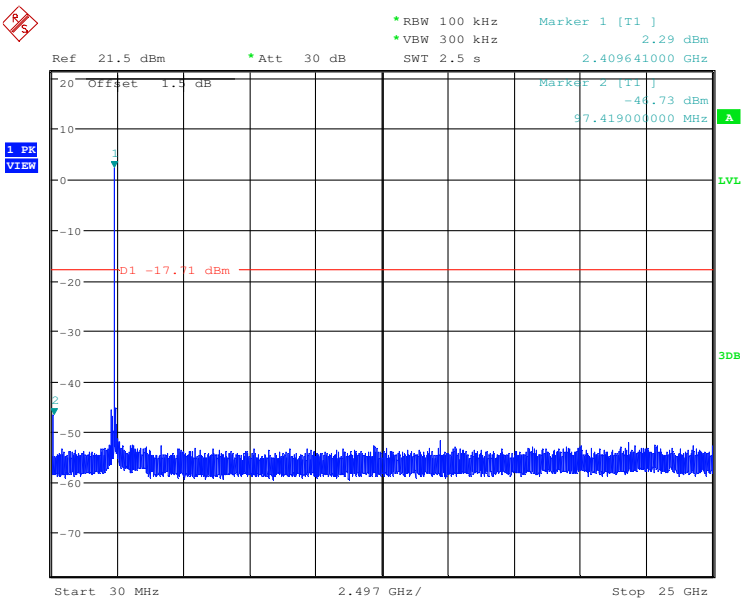


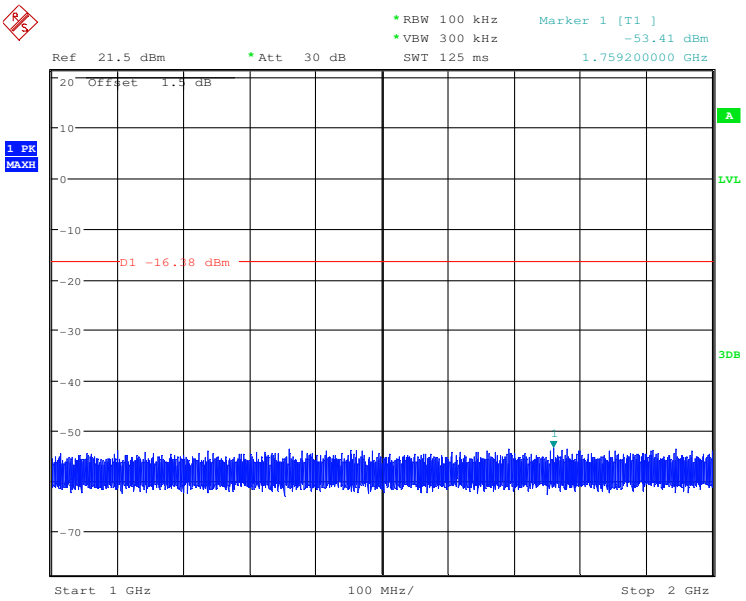


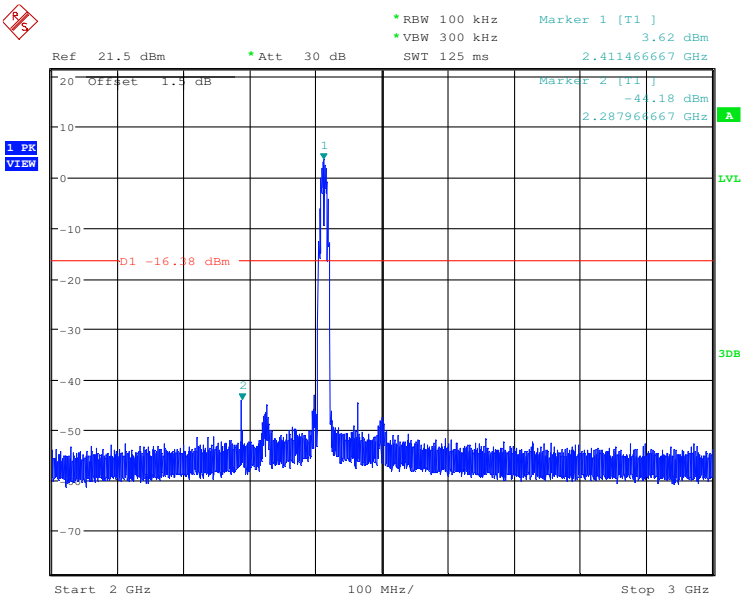


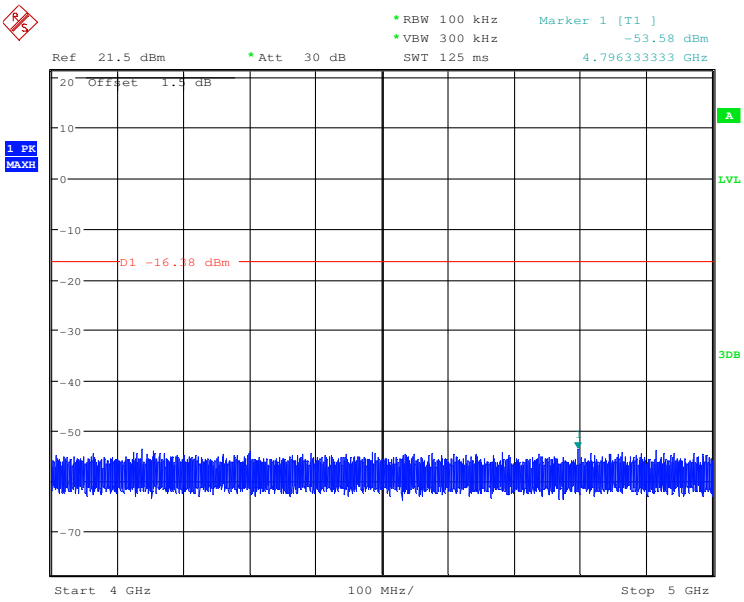
Wi-Fi 2
Antenna 1

Test mode:	802.11b	Test channel:	Lowest

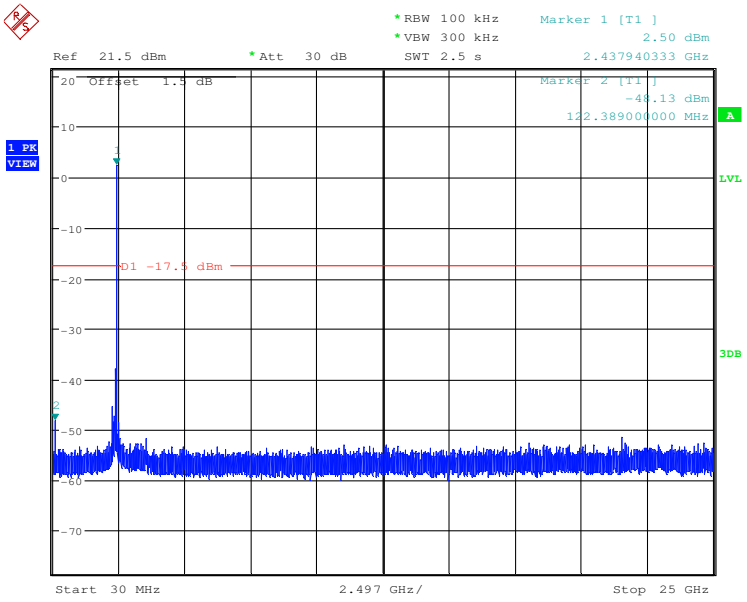


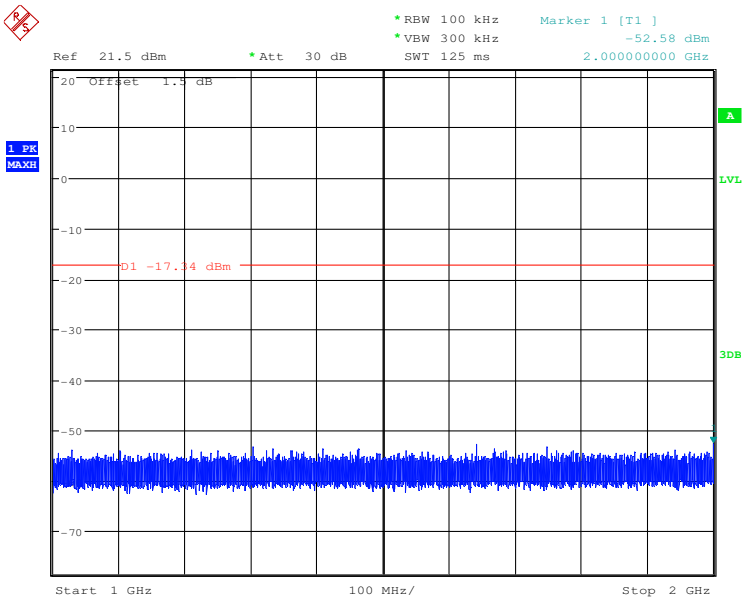


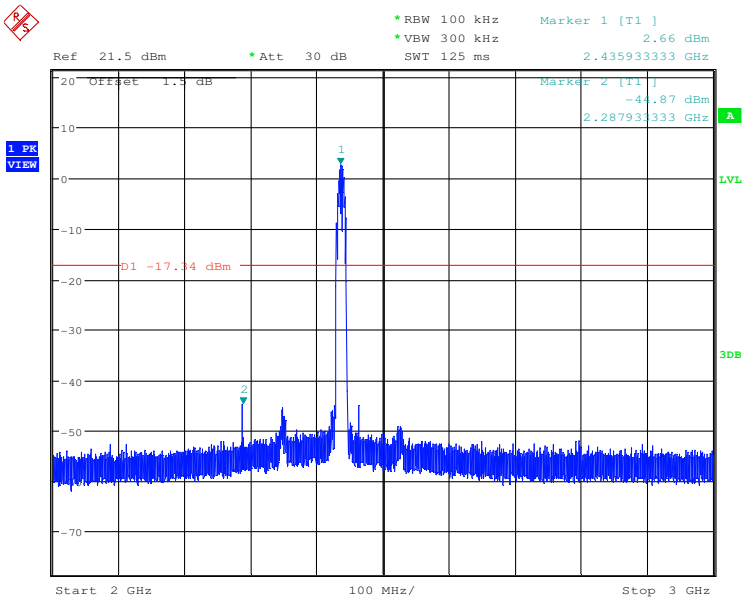


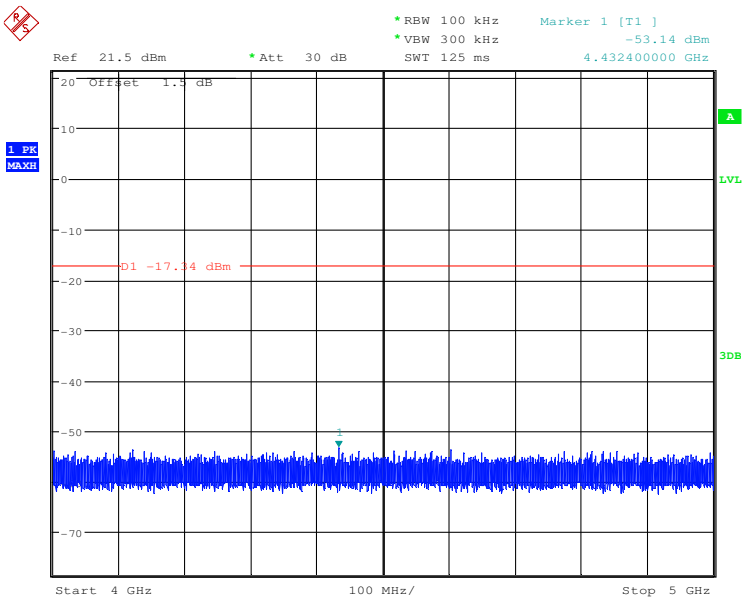


Test mode:	802.11b	Test channel:	Middle

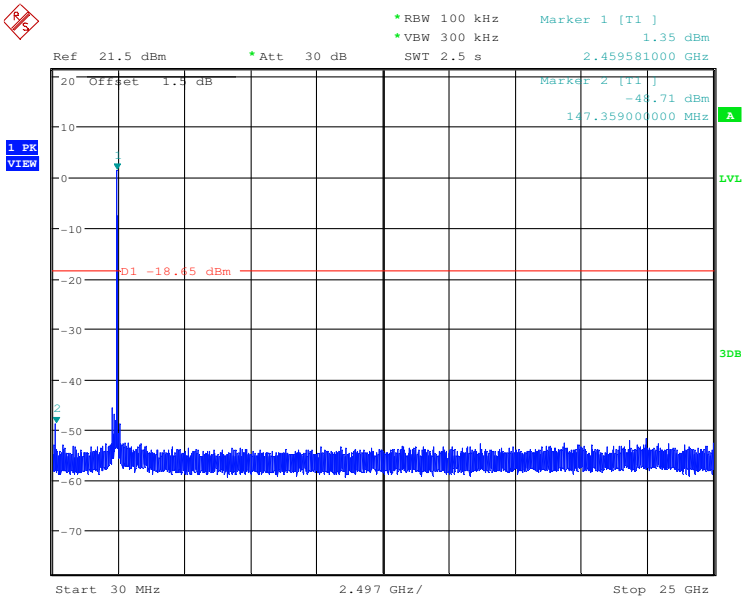


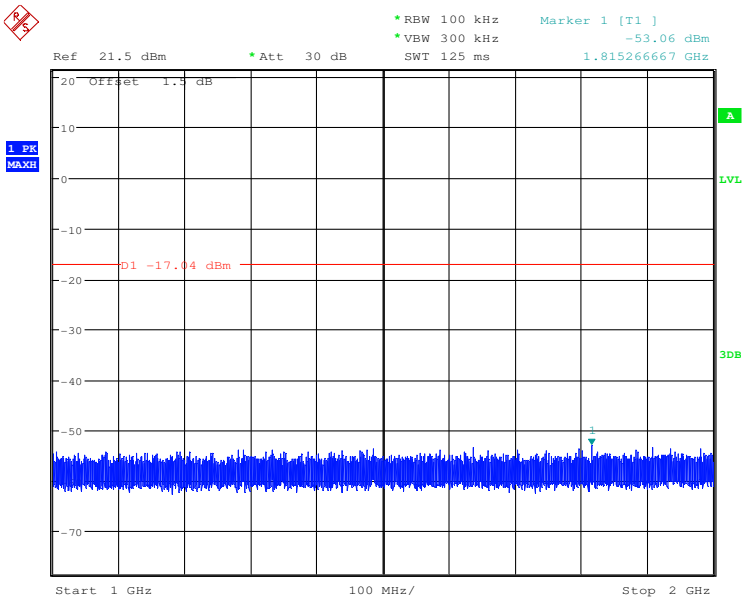


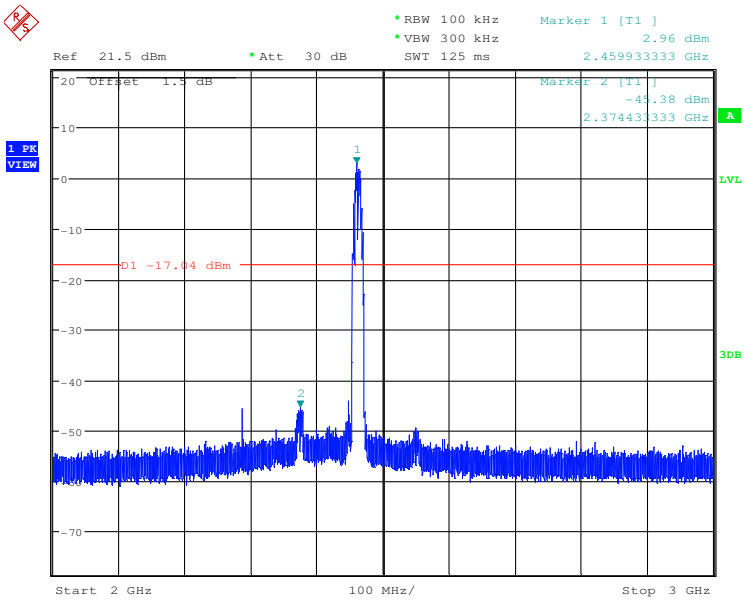


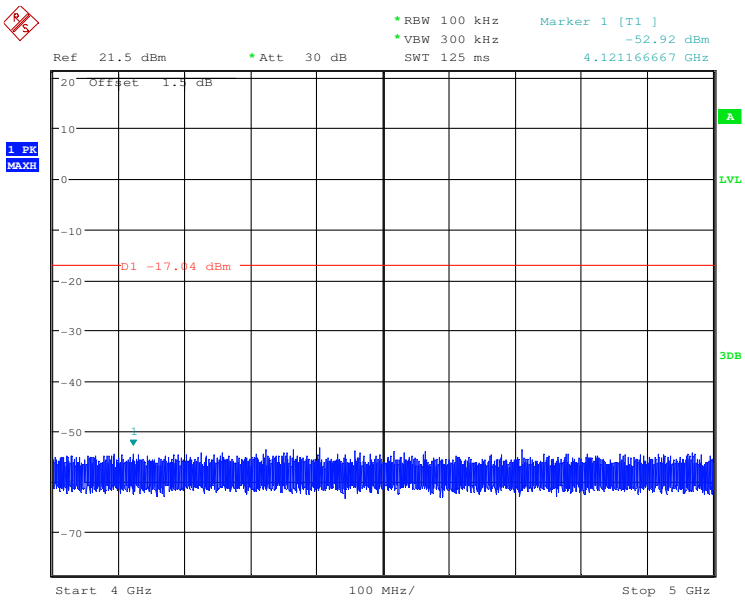


Test mode:	802.11b	Test channel:	Highest

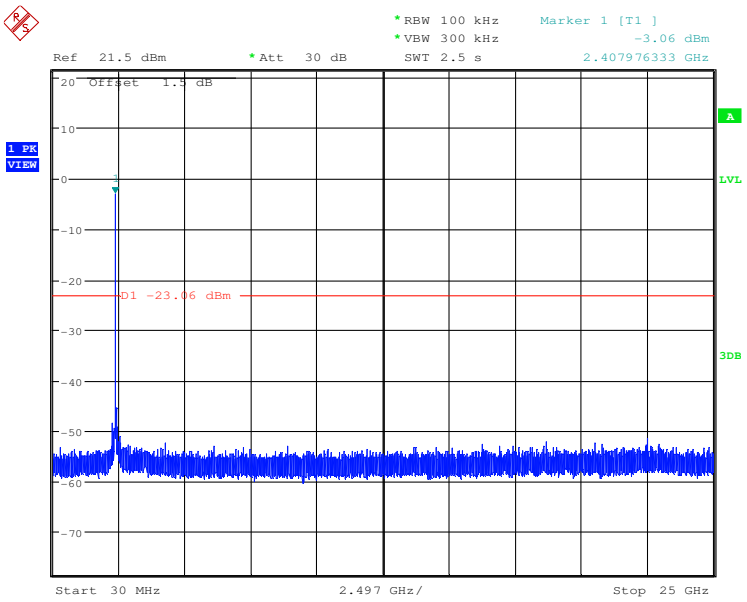


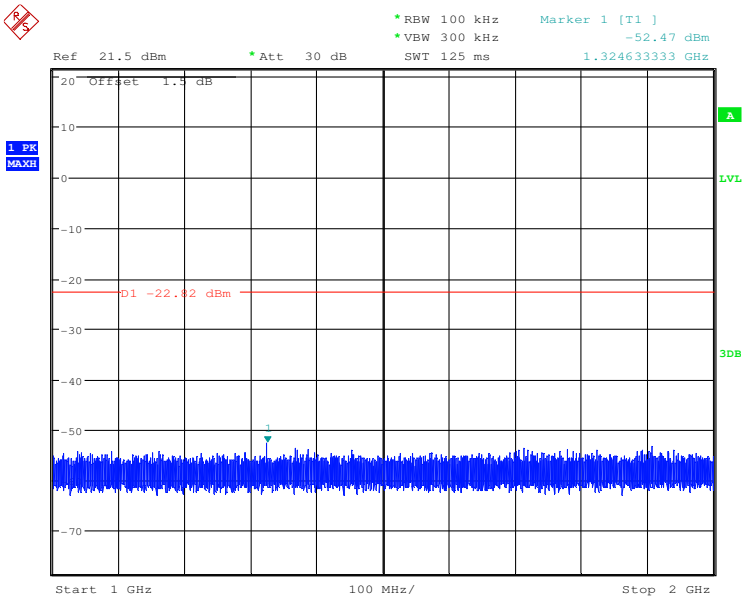


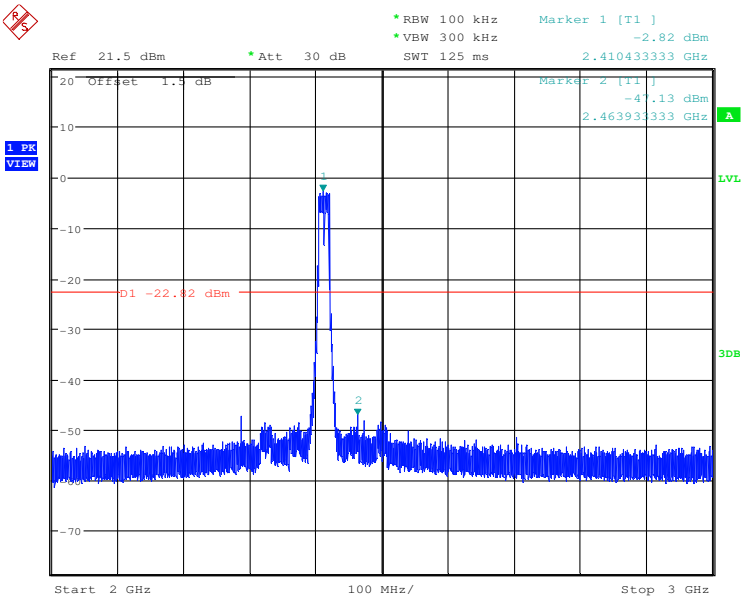


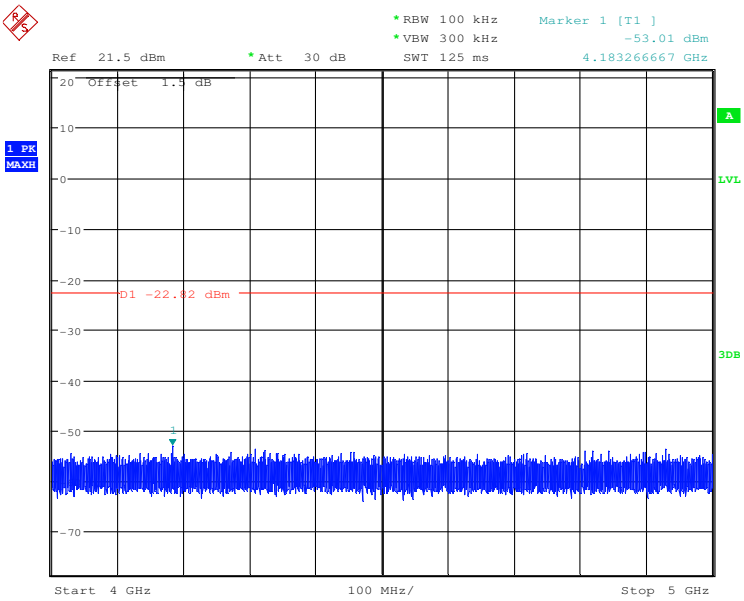


Test mode:	802.11g	Test channel:	Lowest

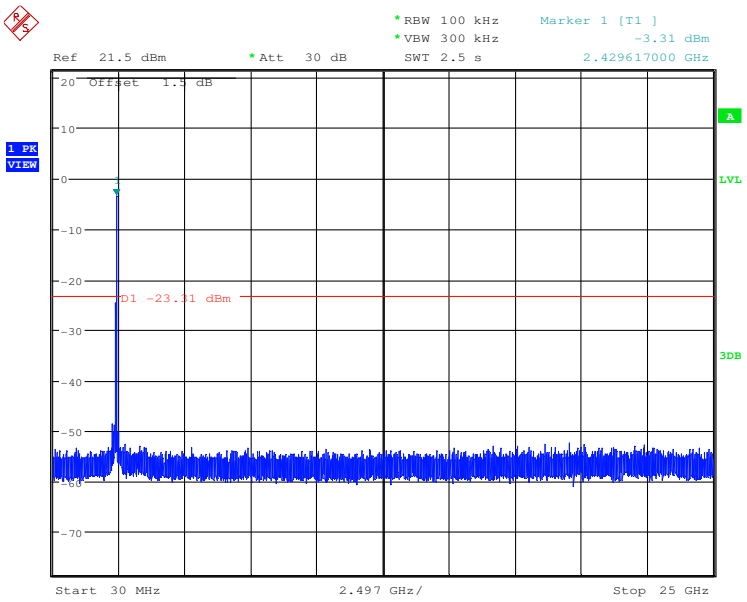


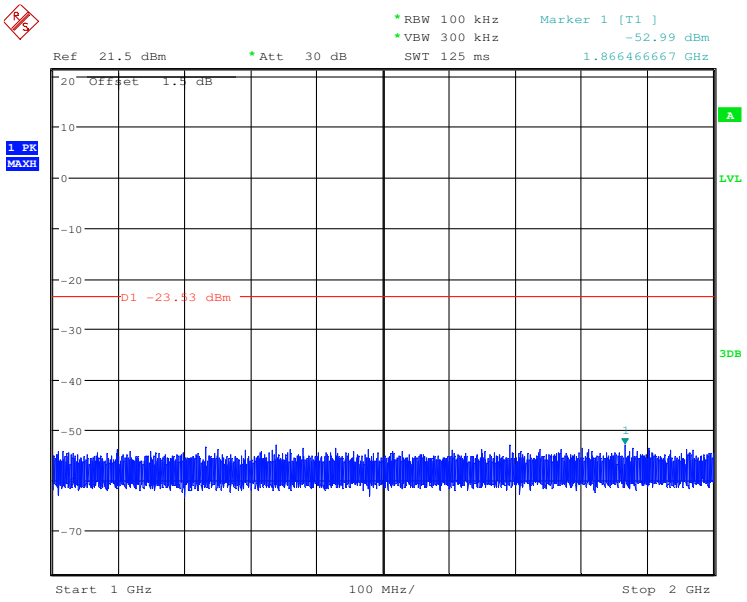


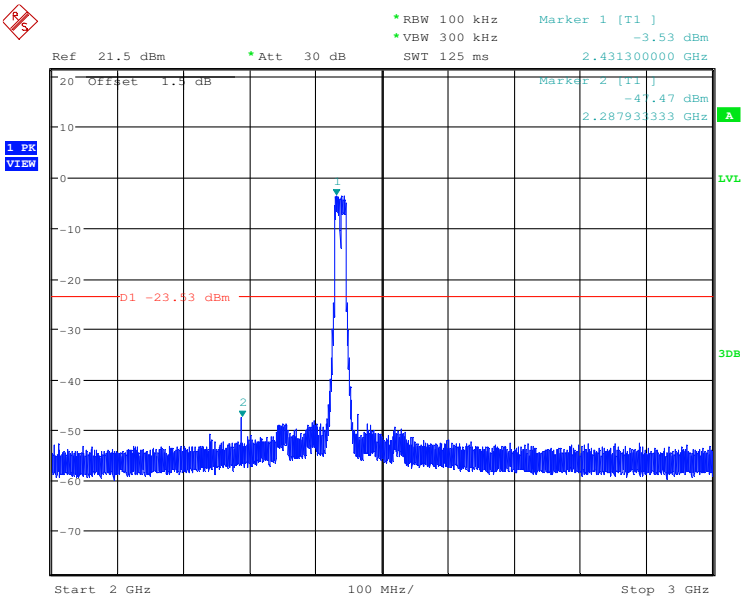


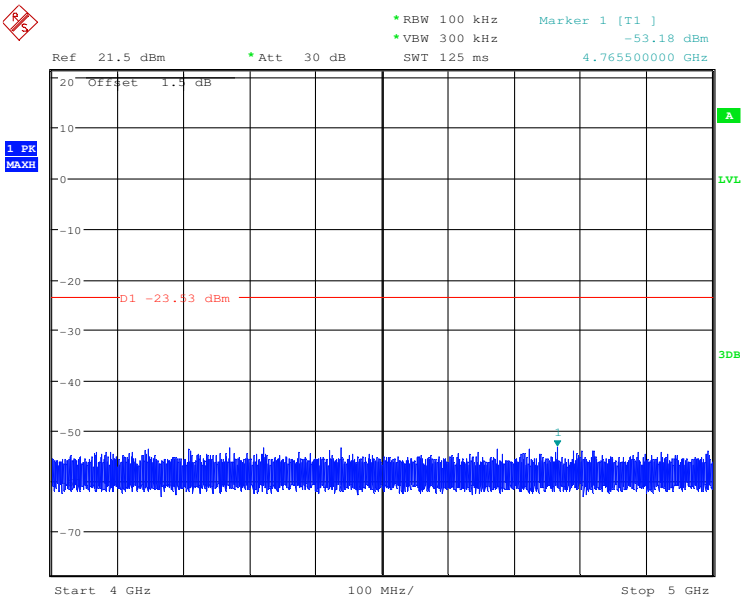


Test mode:	802.11g	Test channel:	Middle

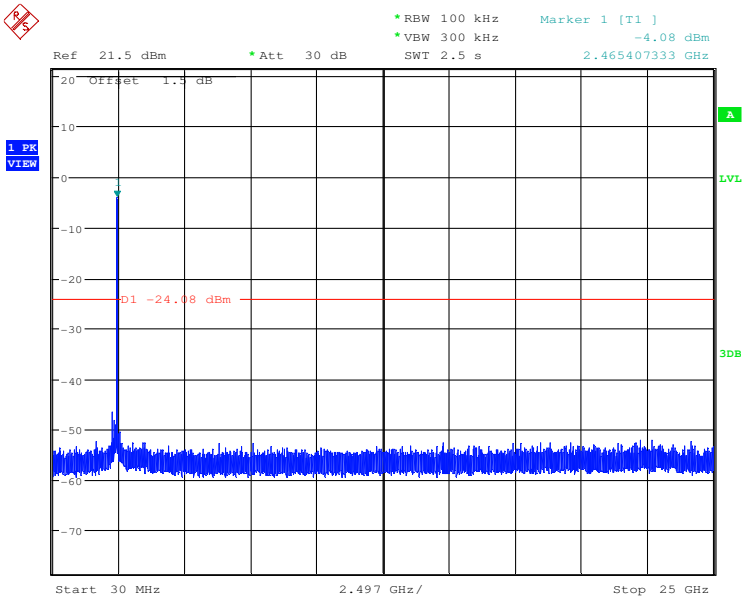


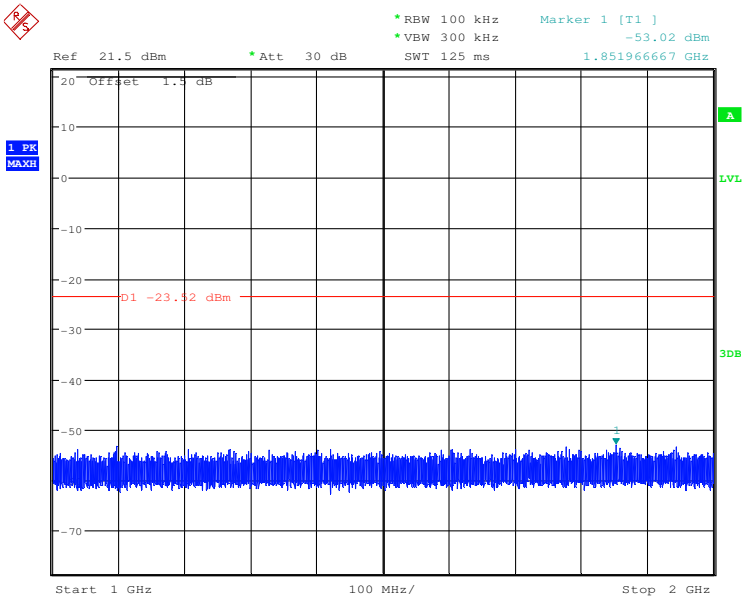


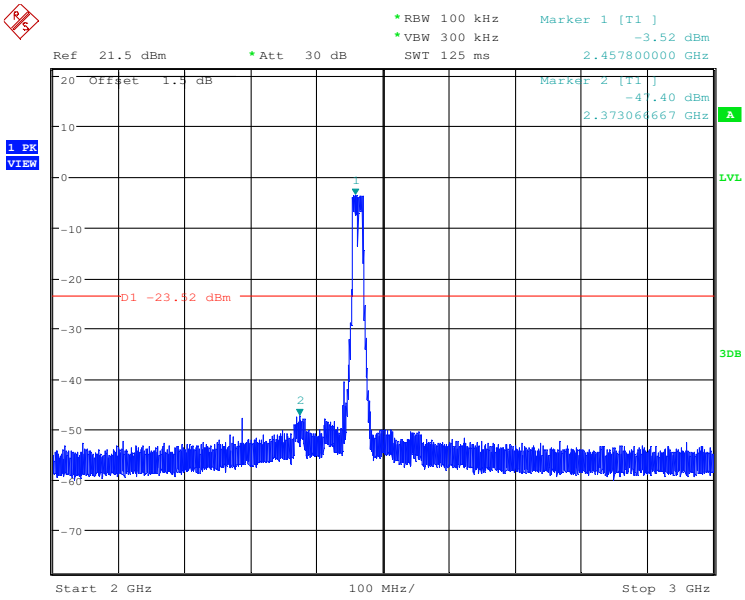


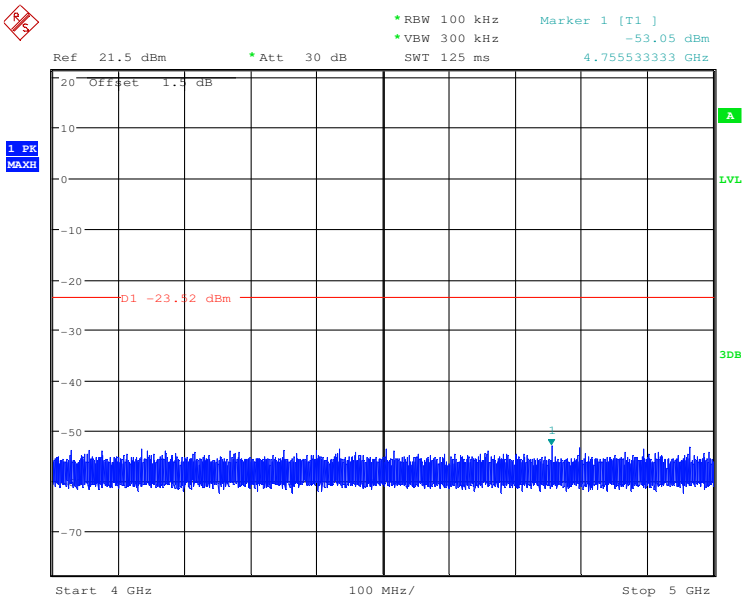


Test mode:	802.11g	Test channel:	Highest

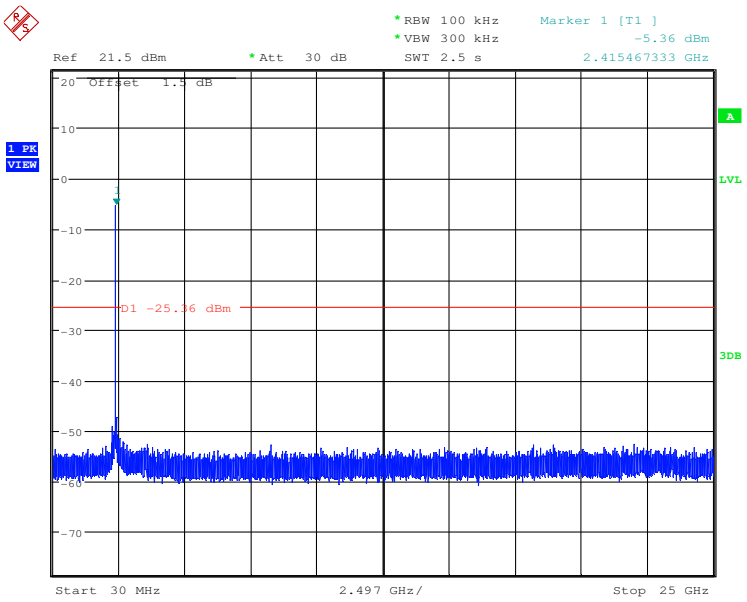


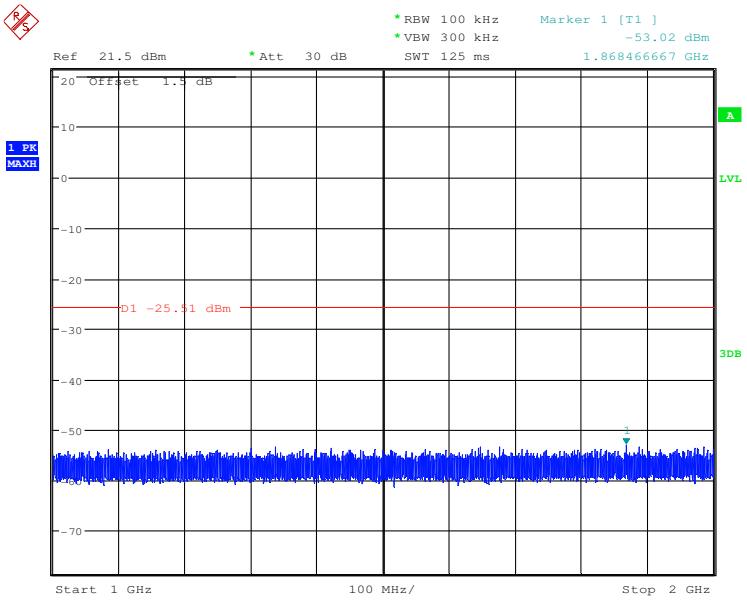


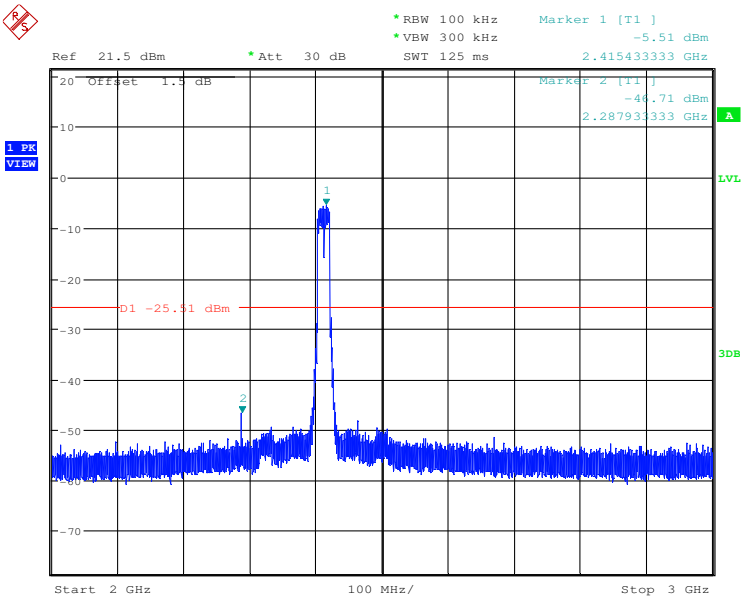


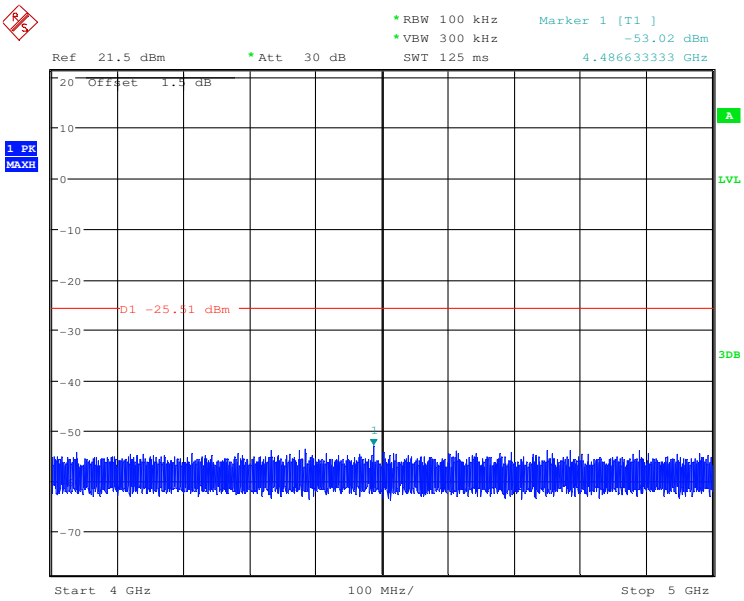


Test mode:	802.11n(HT20)	Test channel:	Lowest

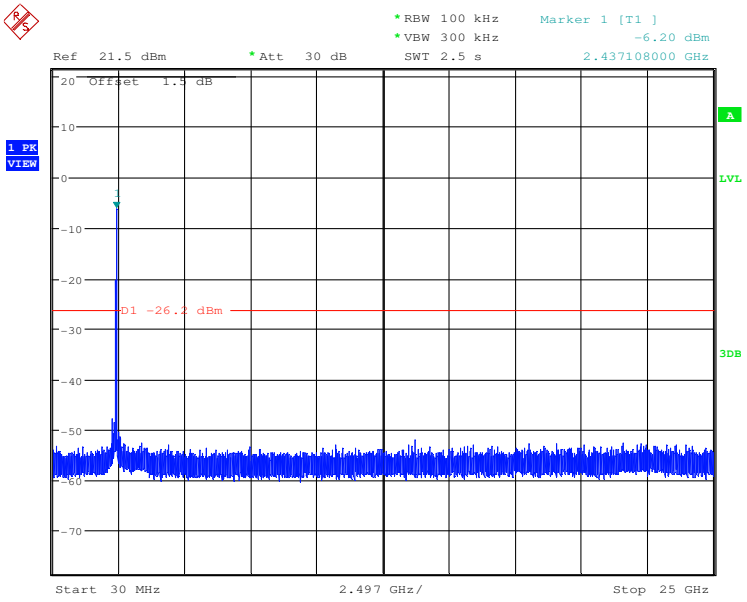


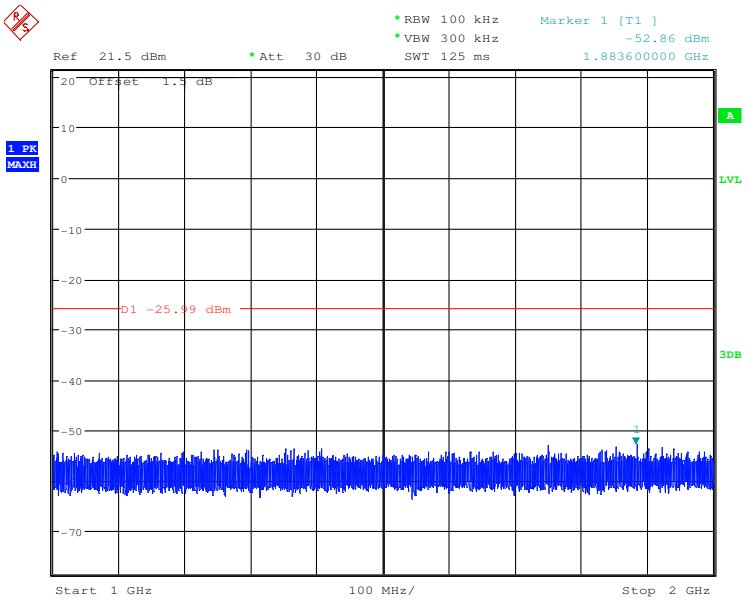


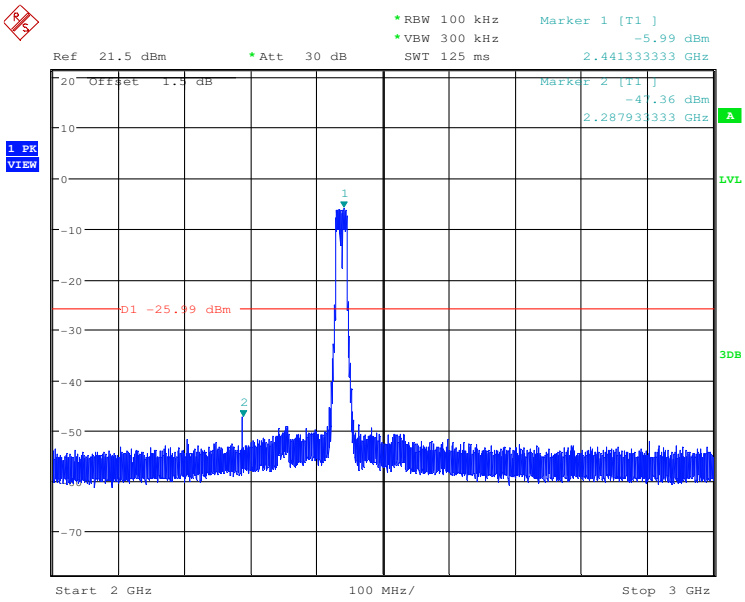


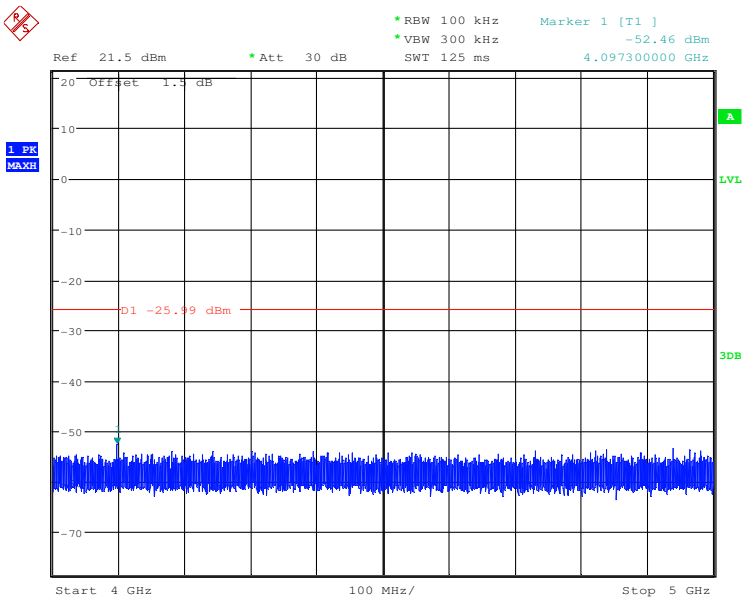


Test mode:	802.11n(HT20)	Test channel:	Middle

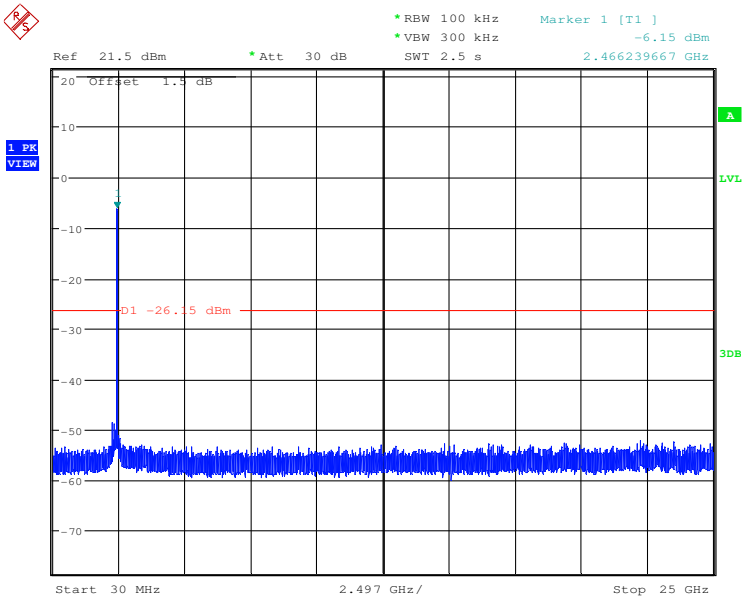


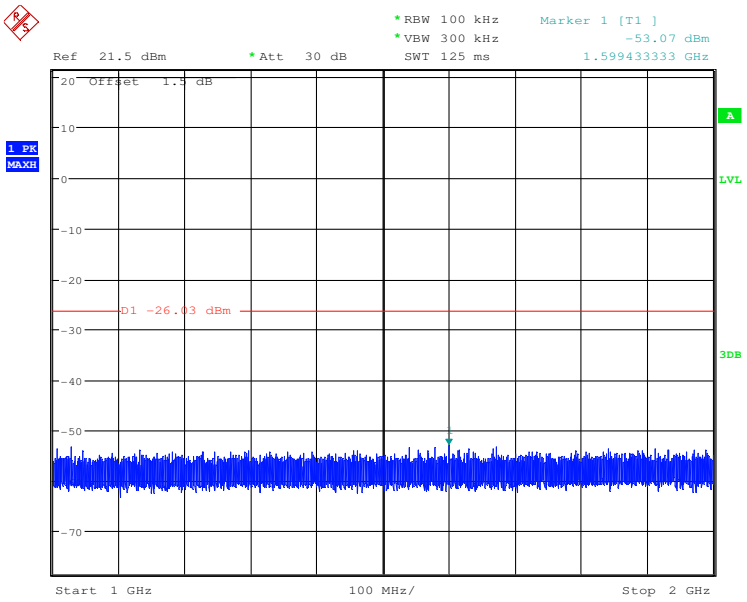


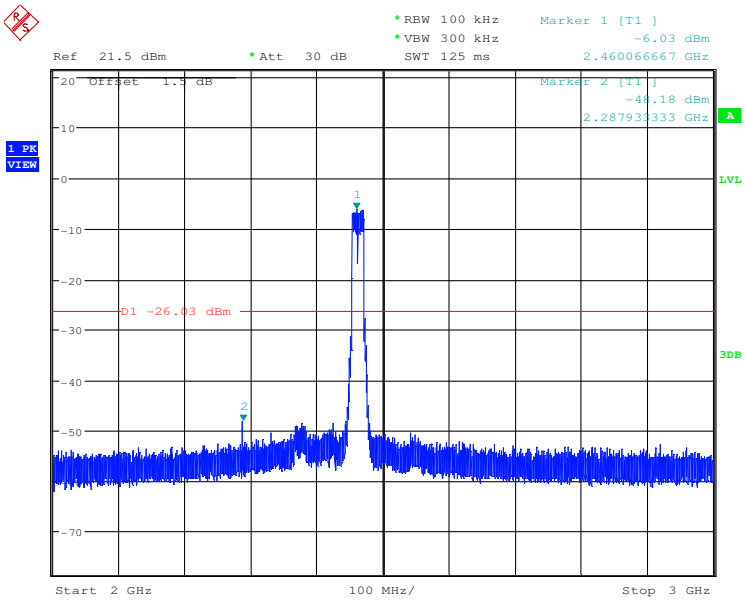


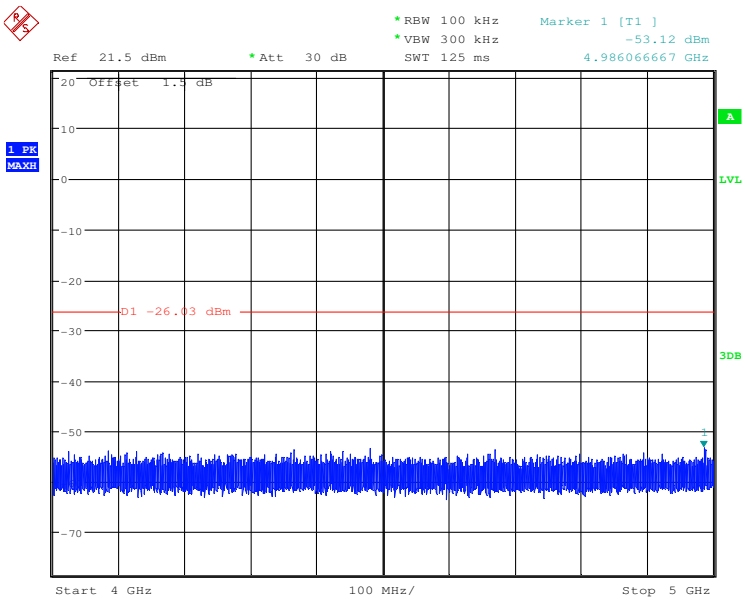


Test mode:	802.11n(HT20)	Test channel:	Highest

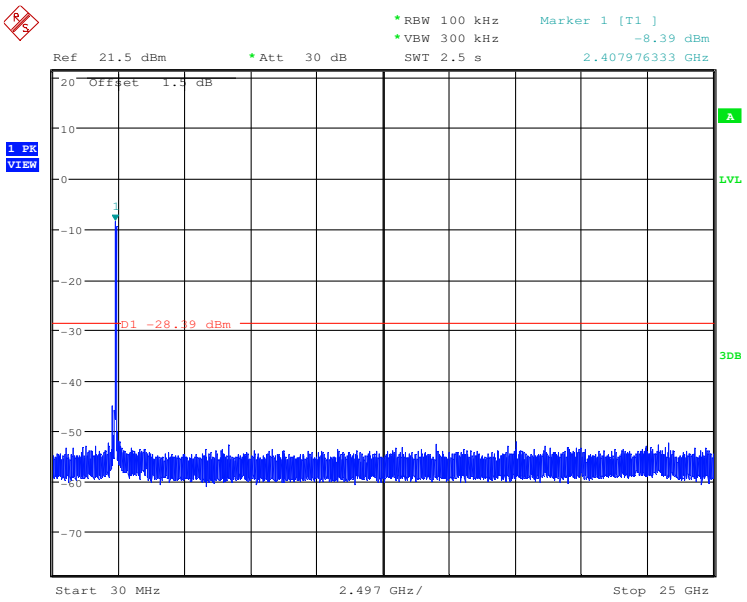


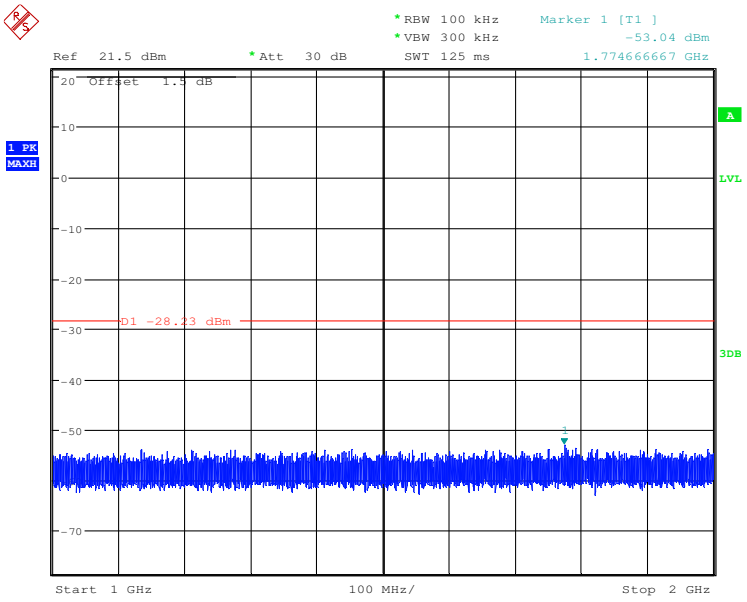


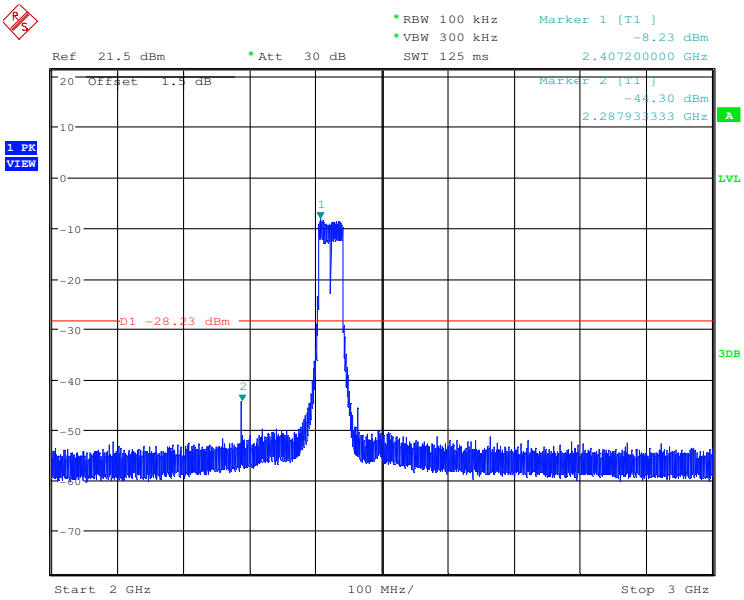


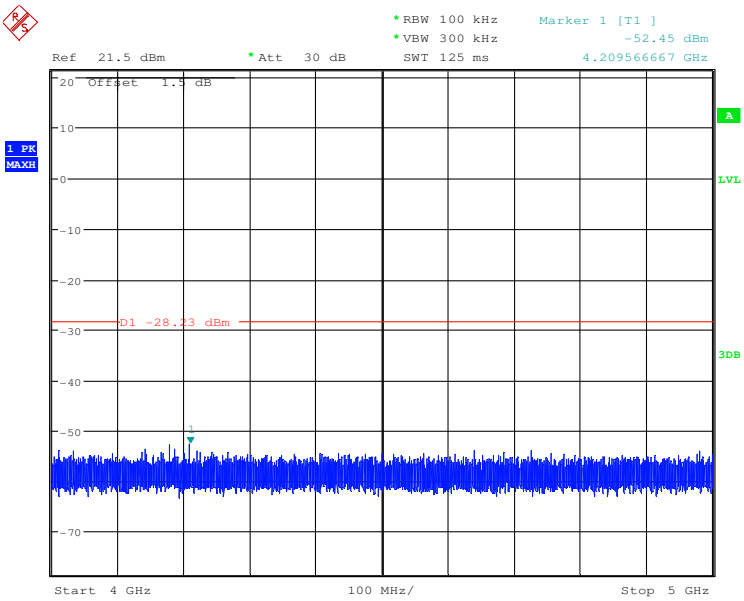


Test mode:	802.11n(HT40)	Test channel:	Lowest

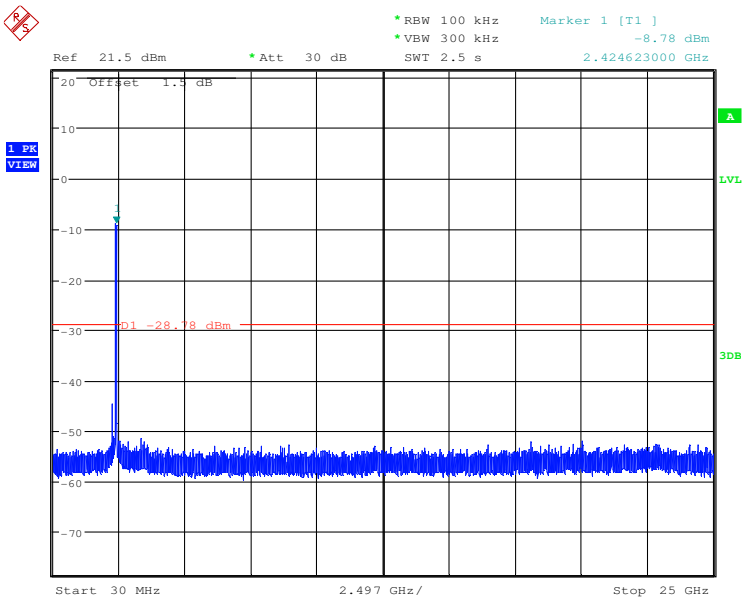


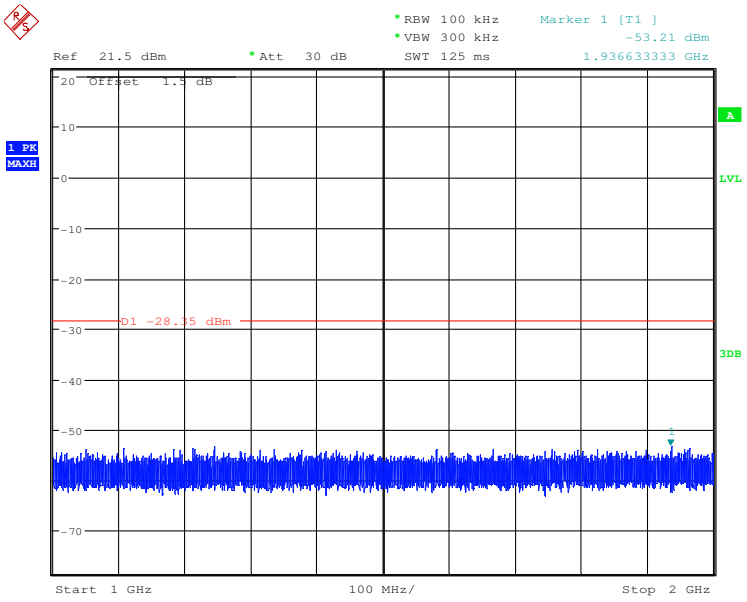


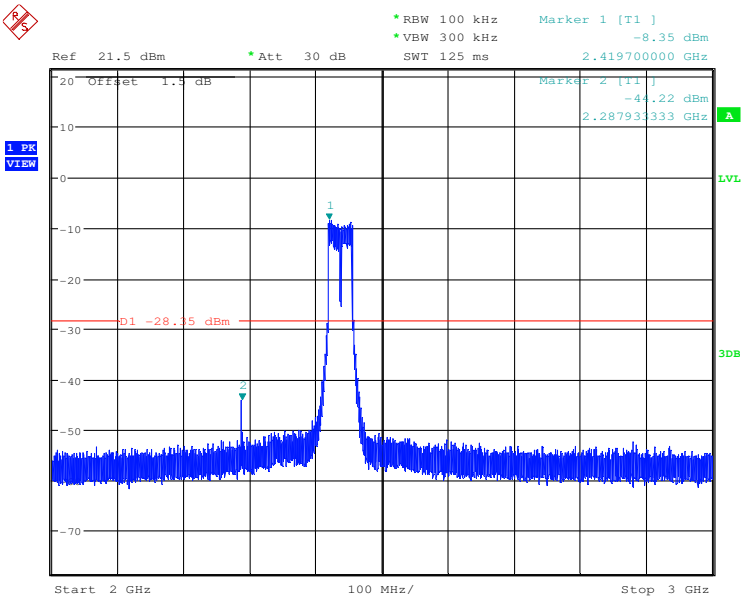


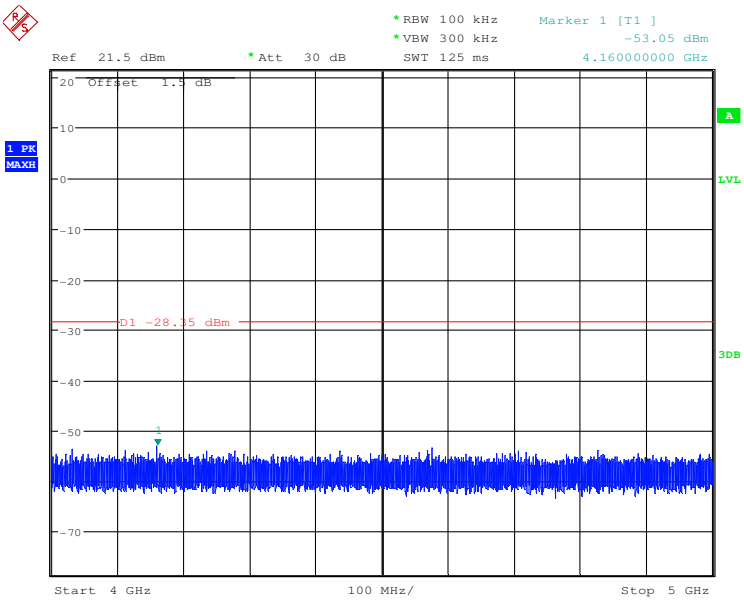


Test mode:	802.11n(HT40)	Test channel:	Middle

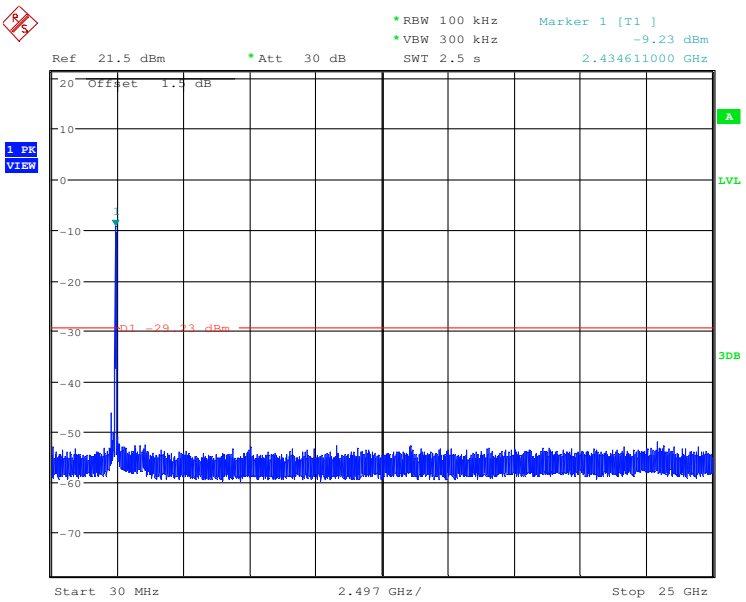


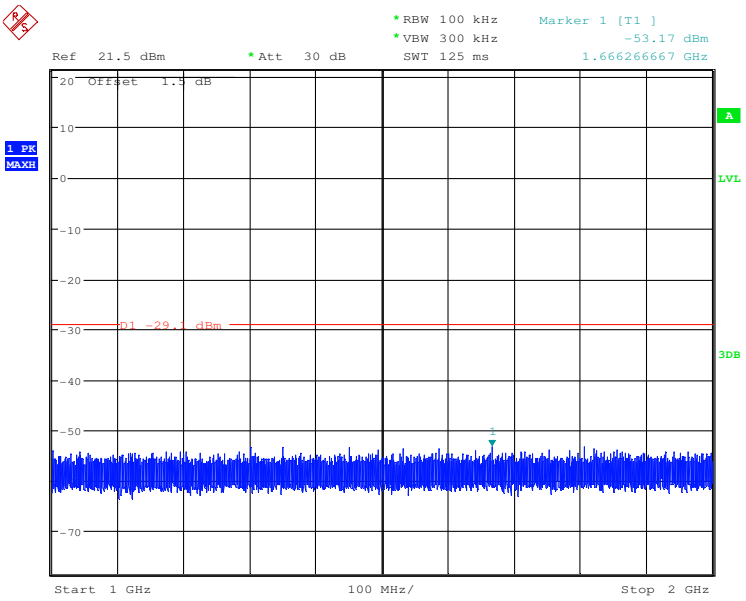


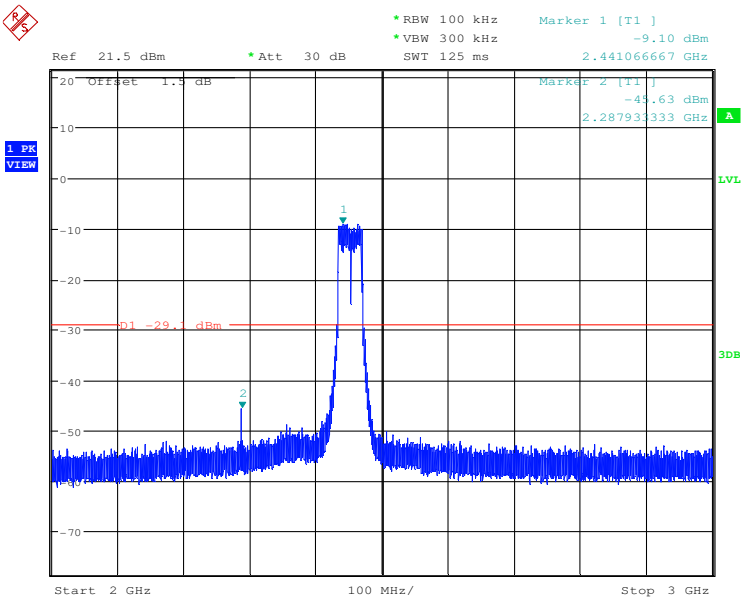


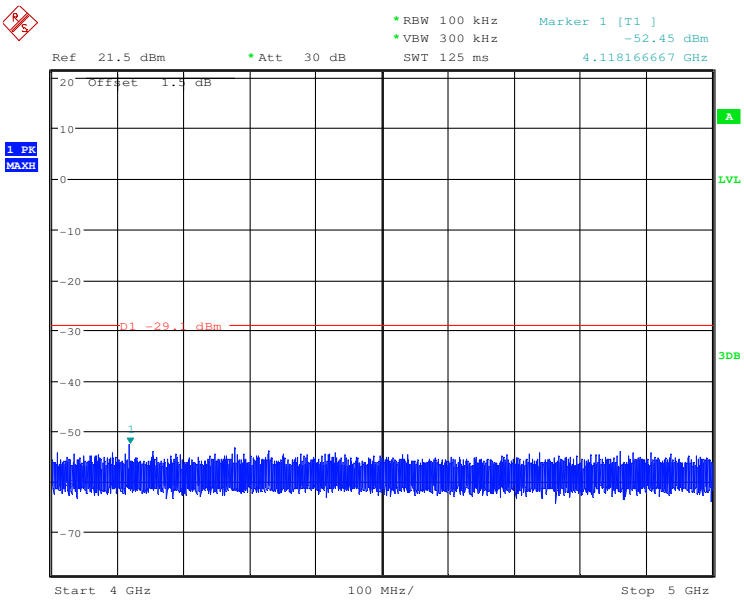


Test mode:	802.11n(HT40)	Test channel:	Highest









Remark:

Pretest 9kHz to 25GHz, find the highest point when testing, so only the worst data were shown in the test report. Per FCC Part 15.33 (a) and 15.31 (o) ,The amplitude of spurious emissions from intentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this part.

6.8 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205
Test Method:	ANSI C63.10 2013
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	100 kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

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

Note: 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.

Test Setup:	

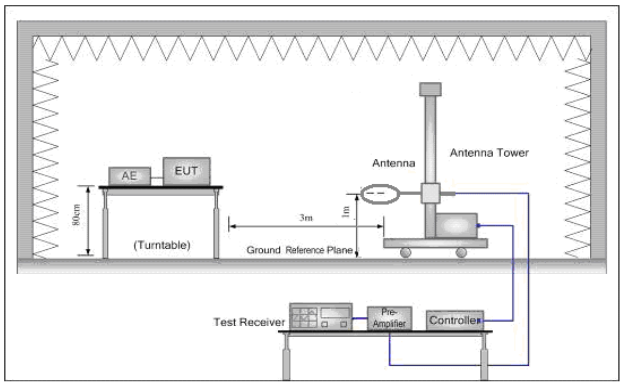


Figure 1. Below 30MHz

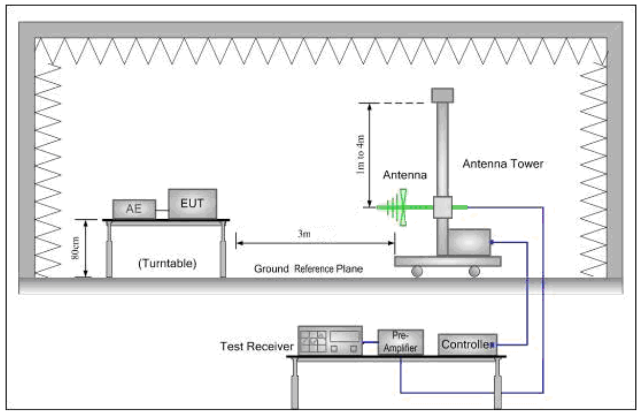


Figure 2. 30MHz to 1GHz

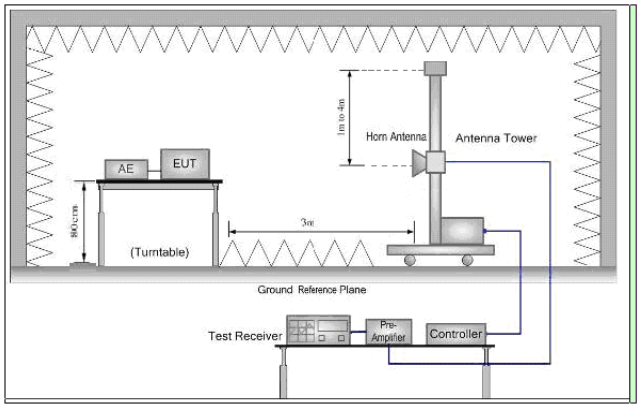


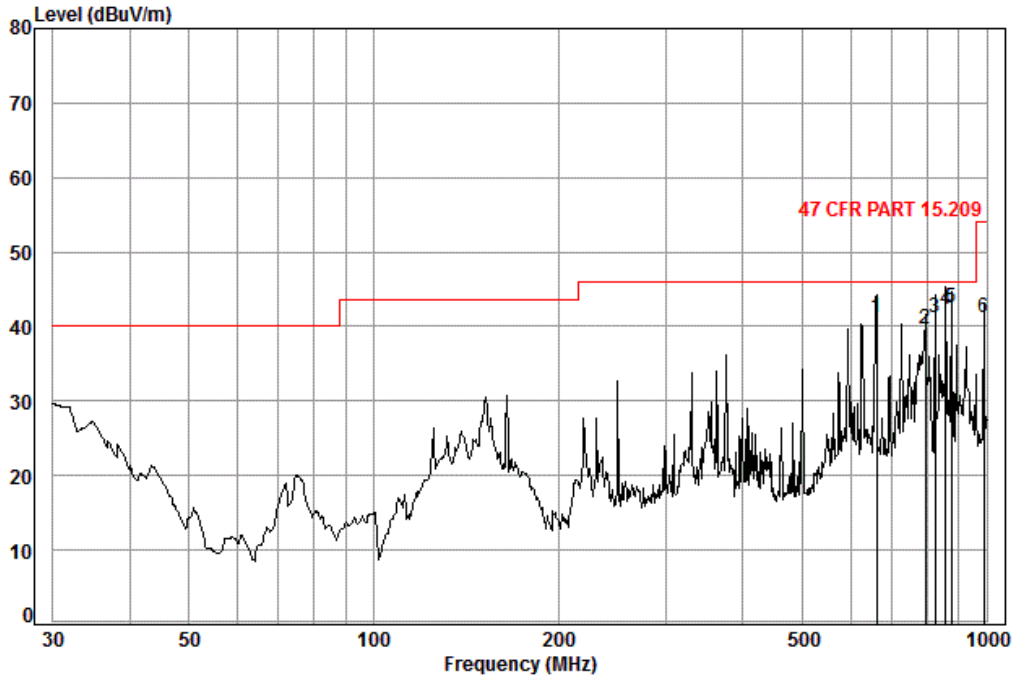
Figure 3. Above 1 GHz

Test Procedure:	a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. 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. d. 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. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average

	method as specified and then reported in a data sheet. g. Test the EUT in the lowest channel ,the middle channel ,the Highest channel h. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Transmitting mode, Wi-Fi 1 is on, Wi-Fi 2 is on, Both Wi-Fi is on..
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). For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11b at lowest channel and power supply by DC 12V adapter is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

6.8.1 Radiated emission below 1GHz

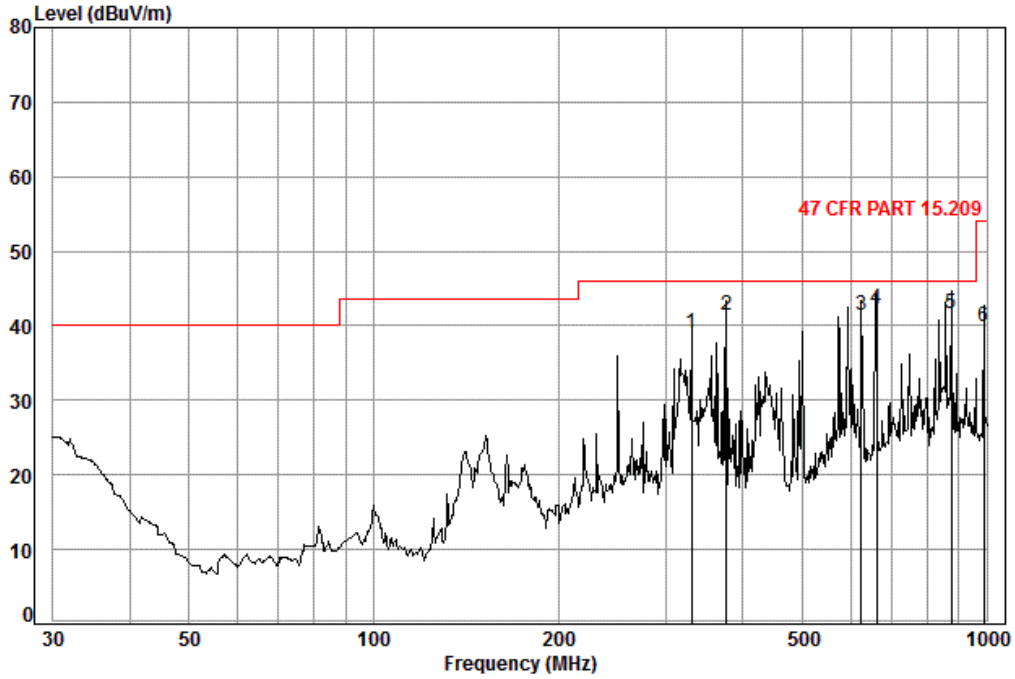
30MHz~1GHz（QP）			
Test mode:	Transmitting mode (both Wi-Fi is on)	Remark:	Vertical



Condition: 47 CFR PART 15.209 3m 3142C Vertical
Job No. : 0090IT
Test mode: 2462TX

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	661.15	2.83	20.96	27.46	44.87	41.20	46.00	-4.80
2	793.40	3.18	22.07	27.31	41.79	39.73	46.00	-6.27
3	824.60	3.31	22.40	27.16	42.62	41.17	46.00	-4.83
4	857.02	3.44	22.57	26.99	43.23	42.25	46.00	-3.75
5	875.25	3.51	23.00	26.89	42.96	42.58	46.00	-3.42
6	989.54	3.69	23.88	26.37	40.02	41.22	54.00	-12.78

Test mode:	Transmitting mode	Remark:	Horizontal



Condition: 47 CFR PART 15.209 3m 3142C Horizontal
Job No. : 0090IT
Test mode: 2462TX

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	330.19	2.00	14.61	26.64	49.00	38.97	46.00	-7.03
2	375.94	2.13	16.01	26.97	50.31	41.48	46.00	-4.52
3	625.08	2.75	20.50	27.51	45.64	41.38	46.00	-4.62
4	661.15	2.83	20.96	27.46	45.94	42.27	46.00	-3.73
5	875.25	3.51	23.00	26.89	42.09	41.71	46.00	-4.29
6	989.54	3.69	23.88	26.37	38.58	39.78	54.00	-14.22

6.8.2 Transmitter emission above 1GHz

Wi-Fi 1								
Test mode:	802.11b	Test channel:	Lowest	Remark:	Peak			
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3627.482	6.80	32.50	35.50	46.40	50.20	74	-23.80	Vertical
4824.000	7.60	34.40	35.10	46.00	52.90	74	-21.10	Vertical
6023.128	8.20	34.90	34.40	45.70	54.40	74	-19.60	Vertical
7236.000	9.90	35.80	33.80	45.90	57.80	74	-16.20	Vertical
9648.000	12.10	37.20	32.40	45.00	61.90	74	-12.10	Vertical
12049.433	14.30	37.80	31.80	44.60	64.90	74	-9.10	Vertical
3627.482	6.80	32.50	35.50	46.50	50.30	74	-23.70	Horizontal
4824.000	7.60	34.40	35.10	45.20	52.10	74	-21.90	Horizontal
6412.943	8.80	34.90	33.70	45.00	55.00	74	-19.00	Horizontal
7236.000	9.90	35.80	33.80	45.60	57.50	74	-16.50	Horizontal
9648.000	12.10	37.20	32.40	46.00	62.90	74	-11.10	Horizontal
12006.331	14.20	37.80	31.80	45.40	65.60	74	-8.40	Horizontal

Test mode:	802.11b	Test channel:	Lowest	Remark:	Average			
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3627.482	6.80	32.50	35.50	33.00	36.80	54	-17.20	Vertical
4824.000	7.60	34.40	35.10	32.60	39.50	54	-14.50	Vertical
6023.128	8.20	34.90	34.40	32.90	41.60	54	-12.40	Vertical
7236.000	9.90	35.80	33.80	31.60	43.50	54	-10.50	Vertical
9648.000	12.10	37.20	32.40	30.90	47.80	54	-6.20	Vertical
12049.433	14.30	37.80	31.80	30.30	50.60	54	-3.40	Vertical
3627.482	6.80	32.50	35.50	33.00	36.80	54	-17.20	Horizontal
4824.000	7.60	34.40	35.10	32.40	39.30	54	-14.70	Horizontal
6412.943	8.80	34.90	33.70	32.20	42.20	54	-11.80	Horizontal
7236.000	9.90	35.80	33.80	31.50	43.40	54	-10.60	Horizontal
9648.000	12.10	37.20	32.40	30.80	47.70	54	-6.30	Horizontal
12006.331	14.20	37.80	31.80	30.10	50.30	54	-3.70	Horizontal

Test mode:	802.11b	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3841.547	6.80	33.30	35.50	45.60	50.20	74	-23.80	Vertical
4874.000	7.60	34.50	35.20	46.50	53.40	74	-20.60	Vertical
6187.203	8.50	34.90	33.90	45.50	55.00	74	-19.00	Vertical
7311.000	10.00	35.70	33.80	46.40	58.30	74	-15.70	Vertical
9748.000	12.30	37.30	32.10	44.60	62.10	74	-11.90	Vertical
11036.649	13.00	37.60	31.20	44.40	63.80	74	-10.20	Vertical
3627.482	6.80	32.50	35.50	46.70	50.50	74	-23.50	Horizontal
4874.000	7.60	34.50	35.20	45.70	52.60	74	-21.40	Horizontal
6187.203	8.50	34.90	33.90	45.70	55.20	74	-18.80	Horizontal
7311.000	10.00	35.70	33.80	45.60	57.50	74	-16.50	Horizontal
9748.000	12.30	37.30	32.10	43.40	60.90	74	-13.10	Horizontal
11006.331	13.00	37.50	31.20	45.50	64.80	74	-9.20	Horizontal

Test mode:	802.11b	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3841.547	6.80	33.30	35.50	32.30	36.90	54	-17.10	Vertical
4874.000	7.60	34.50	35.20	32.10	39.00	54	-15.00	Vertical
6187.203	8.50	34.90	33.90	32.60	42.10	54	-11.90	Vertical
7311.000	10.00	35.70	33.80	31.50	43.40	54	-10.60	Vertical
9748.000	12.30	37.30	32.10	30.50	48.00	54	-6.00	Vertical
11036.649	13.00	37.60	31.20	31.50	50.90	54	-3.10	Vertical
3627.482	6.80	32.50	35.50	33.00	36.80	54	-17.20	Horizontal
4874.000	7.60	34.50	35.20	31.90	38.80	54	-15.20	Horizontal
6187.203	8.50	34.90	33.90	32.60	42.10	54	-11.90	Horizontal
7311.000	10.00	35.70	33.80	31.60	43.50	54	-10.50	Horizontal
9748.000	12.30	37.30	32.10	30.40	47.90	54	-6.10	Horizontal
11006.331	13.00	37.50	31.20	31.40	50.70	54	-3.30	Horizontal

Test mode:	802.11b	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3699.687	6.80	32.70	35.60	46.00	49.90	74	-24.10	Vertical
4924.000	7.60	34.60	35.20	45.60	52.60	74	-21.40	Vertical
6231.706	8.60	34.90	33.70	45.80	55.60	74	-18.40	Vertical
7386.000	10.00	35.70	33.90	45.30	57.10	74	-16.90	Vertical
9848.000	12.30	37.30	32.10	43.90	61.40	74	-12.60	Vertical
11398.401	13.50	37.50	31.40	45.70	65.30	74	-8.70	Vertical
3693.064	6.80	32.70	35.60	46.50	50.40	74	-23.60	Horizontal
4924.000	7.60	34.60	35.20	45.60	52.60	74	-21.40	Horizontal
6198.299	8.50	34.90	33.80	45.10	54.70	74	-19.30	Horizontal
7386.000	10.00	35.70	33.90	45.60	57.40	74	-16.60	Horizontal
9848.000	12.30	37.30	32.10	43.20	60.70	74	-13.30	Horizontal
11076.270	13.10	37.60	31.20	45.00	64.50	74	-9.50	Horizontal

Test mode:	802.11b	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3699.687	6.80	32.70	35.60	33.30	37.20	54	-16.80	Vertical
4924.000	7.60	34.60	35.20	32.70	39.70	54	-14.30	Vertical
6231.706	8.60	34.90	33.70	32.30	42.10	54	-11.90	Vertical
7386.000	10.00	35.70	33.90	32.00	43.80	54	-10.20	Vertical
9848.000	12.30	37.30	32.10	31.30	48.80	54	-5.20	Vertical
11398.401	13.50	37.50	31.40	30.90	50.50	54	-3.50	Vertical
3693.064	6.80	32.70	35.60	33.40	37.30	54	-16.70	Horizontal
4924.000	7.60	34.60	35.20	32.50	39.50	54	-14.50	Horizontal
6198.299	8.50	34.90	33.80	32.20	41.80	54	-12.20	Horizontal
7386.000	10.00	35.70	33.90	32.00	43.80	54	-10.20	Horizontal
9848.000	12.30	37.30	32.10	31.30	48.80	54	-5.20	Horizontal
11076.270	13.10	37.60	31.20	30.60	50.10	54	-3.90	Horizontal

Test mode:	802.11g	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3620.988	6.80	32.50	35.50	46.30	50.10	74	-23.90	Vertical
4824.000	7.60	34.40	35.10	45.60	52.50	74	-21.50	Vertical
6165.071	8.50	35.00	33.90	45.00	54.60	74	-19.40	Vertical
7236.000	9.90	35.80	33.80	45.70	57.60	74	-16.40	Vertical
9648.000	12.10	37.20	32.40	44.30	61.20	74	-12.80	Vertical
11480.387	13.50	37.60	31.60	45.20	64.70	74	-9.30	Vertical
3627.482	6.80	32.50	35.50	46.30	50.10	74	-23.90	Horizontal
4824.000	7.60	34.40	35.10	45.70	52.60	74	-21.40	Horizontal
6242.882	8.60	34.90	33.70	44.90	54.70	74	-19.30	Horizontal
7236.000	9.90	35.80	33.80	45.60	57.50	74	-16.50	Horizontal
9648.000	12.10	37.20	32.40	43.90	60.80	74	-13.20	Horizontal
11076.270	13.10	37.60	31.20	44.20	63.70	74	-10.30	Horizontal

Test mode:	802.11g	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3620.988	6.80	32.50	35.50	33.10	36.90	54	-17.10	Vertical
4824.000	7.60	34.40	35.10	32.40	39.30	54	-14.70	Vertical
6165.071	8.50	35.00	33.90	32.30	41.90	54	-12.10	Vertical
7236.000	9.90	35.80	33.80	31.50	43.40	54	-10.60	Vertical
9648.000	12.10	37.20	32.40	30.90	47.80	54	-6.20	Vertical
11480.387	13.50	37.60	31.60	30.80	50.30	54	-3.70	Vertical
3627.482	6.80	32.50	35.50	33.00	36.80	54	-17.20	Horizontal
4824.000	7.60	34.40	35.10	32.30	39.20	54	-14.80	Horizontal
6242.882	8.60	34.90	33.70	32.30	42.10	54	-11.90	Horizontal
7236.000	9.90	35.80	33.80	31.50	43.40	54	-10.60	Horizontal
9648.000	12.10	37.20	32.40	30.80	47.70	54	-6.30	Horizontal
11076.270	13.10	37.60	31.20	30.60	50.10	54	-3.90	Horizontal

Test mode:	802.11g	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3786.875	6.80	33.00	35.60	46.20	50.40	74	-23.60	Vertical
4874.000	7.60	34.50	35.20	45.40	52.30	74	-21.70	Vertical
6265.293	8.60	34.80	33.70	45.30	55.00	74	-19.00	Vertical
7311.000	10.00	35.70	33.80	45.60	57.50	74	-16.50	Vertical
9748.000	12.30	37.30	32.10	43.90	61.40	74	-12.60	Vertical
11076.270	13.10	37.60	31.20	43.90	63.40	74	-10.60	Vertical
3620.988	6.80	32.40	35.50	46.10	49.80	74	-24.20	Horizontal
4874.000	7.60	34.50	35.20	45.20	52.10	74	-21.90	Horizontal
6198.299	8.50	34.90	33.80	45.30	54.90	74	-19.10	Horizontal
7311.000	10.00	35.70	33.80	45.90	57.80	74	-16.20	Horizontal
9748.000	12.30	37.30	32.10	43.60	61.10	74	-12.90	Horizontal
11076.270	13.10	37.60	31.20	44.50	64.00	74	-10.00	Horizontal

Test mode:	802.11g	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3786.875	6.80	33.00	35.60	32.50	36.70	54	-17.30	Vertical
4874.000	7.60	34.50	35.20	32.00	38.90	54	-15.10	Vertical
6265.293	8.60	34.80	33.70	32.40	42.10	54	-11.90	Vertical
7311.000	10.00	35.70	33.80	31.50	43.40	54	-10.60	Vertical
9748.000	12.30	37.30	32.10	30.40	47.90	54	-6.10	Vertical
11076.270	13.10	37.60	31.20	31.00	50.50	54	-3.50	Vertical
3620.988	6.80	32.40	35.50	33.20	36.90	54	-17.10	Horizontal
4874.000	7.60	34.50	35.20	31.90	38.80	54	-15.20	Horizontal
6198.299	8.50	34.90	33.80	32.20	41.80	54	-12.20	Horizontal
7311.000	10.00	35.70	33.80	31.50	43.40	54	-10.60	Horizontal
9748.000	12.30	37.30	32.10	30.40	47.90	54	-6.10	Horizontal
11076.270	13.10	37.60	31.20	30.60	50.10	54	-3.90	Horizontal

Test mode:	802.11g	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3595.129	6.80	32.40	35.50	46.70	50.40	74	-23.60	Vertical
4924.000	7.60	34.60	35.20	45.70	52.70	74	-21.30	Vertical
6321.675	8.70	34.80	33.70	45.00	54.80	74	-19.20	Vertical
7386.000	10.00	35.70	33.90	46.10	57.90	74	-16.10	Vertical
9848.000	12.30	37.30	32.10	43.60	61.10	74	-12.90	Vertical
11480.387	13.50	37.60	31.60	44.40	63.90	74	-10.10	Vertical
3732.980	6.80	32.80	35.60	46.20	50.20	74	-23.80	Horizontal
4924.000	7.60	34.60	35.20	45.40	52.40	74	-21.60	Horizontal
6012.346	8.20	34.90	34.40	45.40	54.10	74	-19.90	Horizontal
7386.000	10.00	35.70	33.90	45.40	57.20	74	-16.80	Horizontal
9848.000	12.30	37.30	32.10	43.40	60.90	74	-13.10	Horizontal
11521.601	13.50	37.70	31.60	45.00	64.60	74	-9.40	Horizontal

Test mode:	802.11g	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3595.129	6.80	32.40	35.50	33.00	36.70	54	-17.30	Vertical
4924.000	7.60	34.60	35.20	32.50	39.50	54	-14.50	Vertical
6321.675	8.70	34.80	33.70	32.50	42.30	54	-11.70	Vertical
7386.000	10.00	35.70	33.90	32.00	43.80	54	-10.20	Vertical
9848.000	12.30	37.30	32.10	31.30	48.80	54	-5.20	Vertical
11480.387	13.50	37.60	31.60	30.70	50.20	54	-3.80	Vertical
3732.980	6.80	32.80	35.60	32.80	36.80	54	-17.20	Horizontal
4924.000	7.60	34.60	35.20	32.40	39.40	54	-14.60	Horizontal
6012.346	8.20	34.90	34.40	32.50	41.20	54	-12.80	Horizontal
7386.000	10.00	35.70	33.90	32.00	43.80	54	-10.20	Horizontal
9848.000	12.30	37.30	32.10	31.30	48.80	54	-5.20	Horizontal
11521.601	13.50	37.70	31.60	30.60	50.20	54	-3.80	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3686.453	6.80	32.70	35.60	46.40	50.30	74	-23.70	Vertical
4824.000	7.60	34.40	35.10	45.60	52.50	74	-21.50	Vertical
6044.751	8.30	35.00	34.30	45.20	54.20	74	-19.80	Vertical
7236.000	9.90	35.80	33.80	46.30	58.20	74	-15.80	Vertical
9648.000	12.10	37.20	32.40	44.30	61.20	74	-12.80	Vertical
11459.836	13.50	37.60	31.60	44.50	64.00	74	-10.00	Vertical
3647.033	6.80	32.50	35.50	45.80	49.60	74	-24.40	Horizontal
4824.000	7.60	34.40	35.10	45.70	52.60	74	-21.40	Horizontal
6033.930	8.30	34.90	34.30	45.40	54.30	74	-19.70	Horizontal
7236.000	9.90	35.80	33.80	45.90	57.80	74	-16.20	Horizontal
9648.000	12.10	37.20	32.40	44.40	61.30	74	-12.70	Horizontal
11076.270	13.10	37.60	31.20	44.80	64.30	74	-9.70	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3686.453	6.80	32.70	35.60	33.30	37.20	54	-16.80	Vertical
4824.000	7.60	34.40	35.10	32.40	39.30	54	-14.70	Vertical
6044.751	8.30	35.00	34.30	32.40	41.40	54	-12.60	Vertical
7236.000	9.90	35.80	33.80	31.60	43.50	54	-10.50	Vertical
9648.000	12.10	37.20	32.40	30.90	47.80	54	-6.20	Vertical
11459.836	13.50	37.60	31.60	30.80	50.30	54	-3.70	Vertical
3647.033	6.80	32.50	35.50	32.70	36.50	54	-17.50	Horizontal
4824.000	7.60	34.40	35.10	32.30	39.20	54	-14.80	Horizontal
6033.930	8.30	34.90	34.30	32.60	41.50	54	-12.50	Horizontal
7236.000	9.90	35.80	33.80	31.50	43.40	54	-10.60	Horizontal
9648.000	12.10	37.20	32.40	30.80	47.70	54	-6.30	Horizontal
11076.270	13.10	37.60	31.20	30.60	50.10	54	-3.90	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3814.113	6.80	33.20	35.60	45.80	50.20	74	-23.80	Vertical
4874.000	7.60	34.50	35.20	45.80	52.70	74	-21.30	Vertical
6165.071	8.50	35.00	33.90	45.00	54.60	74	-19.40	Vertical
7311.000	10.00	35.70	33.80	45.30	57.20	74	-16.80	Vertical
9748.000	12.30	37.30	32.10	45.30	62.80	74	-11.20	Vertical
11256.332	13.60	37.50	31.20	43.50	63.40	74	-10.60	Vertical
3537.620	6.80	32.30	35.40	46.80	50.50	74	-23.50	Horizontal
4874.000	7.60	34.50	35.20	46.10	53.00	74	-21.00	Horizontal
6165.071	8.50	35.00	33.90	45.40	55.00	74	-19.00	Horizontal
7311.000	10.00	35.70	33.80	45.70	57.60	74	-16.40	Horizontal
9748.000	12.30	37.30	32.10	44.10	61.60	74	-12.40	Horizontal
11016.891	13.00	37.50	31.20	44.70	64.00	74	-10.00	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3814.113	6.80	33.20	35.60	32.50	36.90	54	-17.10	Vertical
4874.000	7.60	34.50	35.20	32.00	38.90	54	-15.10	Vertical
6165.071	8.50	35.00	33.90	32.40	42.00	54	-12.00	Vertical
7311.000	10.00	35.70	33.80	31.50	43.40	54	-10.60	Vertical
9748.000	12.30	37.30	32.10	30.40	47.90	54	-6.10	Vertical
11256.332	13.60	37.50	31.20	30.20	50.10	54	-3.90	Vertical
3537.620	6.80	32.30	35.40	32.80	36.50	54	-17.50	Horizontal
4874.000	7.60	34.50	35.20	31.90	38.80	54	-15.20	Horizontal
6165.071	8.50	35.00	33.90	32.40	42.00	54	-12.00	Horizontal
7311.000	10.00	35.70	33.80	31.50	43.40	54	-10.60	Horizontal
9748.000	12.30	37.30	32.10	30.40	47.90	54	-6.10	Horizontal
11016.891	13.00	37.50	31.20	31.40	50.70	54	-3.30	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3537.620	6.80	32.30	35.40	46.50	50.20	74	-23.80	Vertical
4924.000	7.60	34.60	35.20	46.30	53.30	74	-20.70	Vertical
6187.203	8.50	34.90	33.90	45.30	54.80	74	-19.20	Vertical
7386.000	10.00	35.70	33.90	46.20	58.00	74	-16.00	Vertical
9848.000	12.30	37.30	32.10	44.80	62.30	74	-11.70	Vertical
11076.270	13.10	37.60	31.20	44.30	63.80	74	-10.20	Vertical
3699.687	6.80	32.70	35.60	46.20	50.10	74	-23.90	Horizontal
4924.000	7.60	34.60	35.20	46.10	53.10	74	-20.90	Horizontal
6231.706	8.60	34.90	33.70	45.30	55.10	74	-18.90	Horizontal
7386.000	10.00	35.70	33.90	45.90	57.70	74	-16.30	Horizontal
9848.000	12.30	37.30	32.10	43.90	61.40	74	-12.60	Horizontal
11175.945	13.40	37.50	31.10	44.70	64.50	74	-9.50	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3537.620	6.80	32.30	35.40	32.90	36.60	54	-17.40	Vertical
4924.000	7.60	34.60	35.20	32.70	39.70	54	-14.30	Vertical
6187.203	8.50	34.90	33.90	32.70	42.20	54	-11.80	Vertical
7386.000	10.00	35.70	33.90	32.10	43.90	54	-10.10	Vertical
9848.000	12.30	37.30	32.10	31.30	48.80	54	-5.20	Vertical
11076.270	13.10	37.60	31.20	31.00	50.50	54	-3.50	Vertical
3699.687	6.80	32.70	35.60	33.20	37.10	54	-16.90	Horizontal
4924.000	7.60	34.60	35.20	32.50	39.50	54	-14.50	Horizontal
6231.706	8.60	34.90	33.70	32.30	42.10	54	-11.90	Horizontal
7386.000	10.00	35.70	33.90	32.10	43.90	54	-10.10	Horizontal
9848.000	12.30	37.30	32.10	31.30	48.80	54	-5.20	Horizontal
11175.945	13.40	37.50	31.10	31.10	50.90	54	-3.10	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3588.694	6.80	32.40	35.50	46.40	50.10	74	-23.90	Vertical
4844.000	7.60	34.50	35.10	46.10	53.10	74	-20.90	Vertical
6176.127	8.50	34.90	33.90	45.10	54.60	74	-19.40	Vertical
7266.000	9.90	35.70	33.80	45.20	57.00	74	-17.00	Vertical
9688.000	12.10	37.20	32.30	44.30	61.30	74	-12.70	Vertical
11135.968	13.30	37.50	31.20	45.30	64.90	74	-9.10	Vertical
3800.469	6.80	33.10	35.60	45.70	50.00	74	-24.00	Horizontal
4844.000	7.60	34.50	35.10	45.30	52.30	74	-21.70	Horizontal
6187.203	8.50	34.90	33.90	45.00	54.50	74	-19.50	Horizontal
7266.000	9.90	35.70	33.80	45.70	57.50	74	-16.50	Horizontal
9688.000	12.10	37.20	32.30	44.30	61.30	74	-12.70	Horizontal
10977.483	12.90	37.50	31.20	44.80	64.00	74	-10.00	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3588.694	6.80	32.40	35.50	32.90	36.60	54	-17.40	Vertical
4844.000	7.60	34.50	35.10	32.20	39.20	54	-14.80	Vertical
6176.127	8.50	34.90	33.90	32.70	42.20	54	-11.80	Vertical
7266.000	9.90	35.70	33.80	31.90	43.70	54	-10.30	Vertical
9688.000	12.10	37.20	32.30	30.90	47.90	54	-6.10	Vertical
11135.968	13.30	37.50	31.20	30.80	50.40	54	-3.60	Vertical
3800.469	6.80	33.10	35.60	32.40	36.70	54	-17.30	Horizontal
4844.000	7.60	34.50	35.10	32.20	39.20	54	-14.80	Horizontal
6187.203	8.50	34.90	33.90	32.60	42.10	54	-11.90	Horizontal
7266.000	9.90	35.70	33.80	31.80	43.60	54	-10.40	Horizontal
9688.000	12.10	37.20	32.30	30.80	47.80	54	-6.20	Horizontal
10977.483	12.90	37.50	31.20	31.30	50.50	54	-3.50	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3903.997	6.90	33.20	35.40	45.80	50.50	74	-23.50	Vertical
4874.000	7.60	34.50	35.20	45.50	52.40	74	-21.60	Vertical
5958.723	8.20	34.70	34.50	46.10	54.50	74	-19.50	Vertical
7311.000	10.00	35.70	33.80	46.10	58.00	74	-16.00	Vertical
9748.000	12.30	37.30	32.10	43.20	60.70	74	-13.30	Vertical
11116.033	13.20	37.60	31.20	45.10	64.70	74	-9.30	Vertical
3614.506	6.80	32.40	35.50	46.90	50.60	74	-23.40	Horizontal
4874.000	7.60	34.50	35.20	45.20	52.10	74	-21.90	Horizontal
6321.675	8.70	34.80	33.70	45.30	55.10	74	-18.90	Horizontal
7311.000	10.00	35.70	33.80	45.40	57.30	74	-16.70	Horizontal
9748.000	12.30	37.30	32.10	44.20	61.70	74	-12.30	Horizontal
11076.270	13.10	37.60	31.20	44.50	64.00	74	-10.00	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3903.997	6.90	33.20	35.40	32.90	37.60	54	-16.40	Vertical
4874.000	7.60	34.50	35.20	31.90	38.80	54	-15.20	Vertical
5958.723	8.20	34.70	34.50	32.20	40.60	54	-13.40	Vertical
7311.000	10.00	35.70	33.80	31.50	43.40	54	-10.60	Vertical
9748.000	12.30	37.30	32.10	30.50	48.00	54	-6.00	Vertical
11116.033	13.20	37.60	31.20	31.00	50.60	54	-3.40	Vertical
3614.506	6.80	32.40	35.50	33.20	36.90	54	-17.10	Horizontal
4874.000	7.60	34.50	35.20	31.90	38.80	54	-15.20	Horizontal
6321.675	8.70	34.80	33.70	32.40	42.20	54	-11.80	Horizontal
7311.000	10.00	35.70	33.80	31.50	43.40	54	-10.60	Horizontal
9748.000	12.30	37.30	32.10	30.50	48.00	54	-6.00	Horizontal
11076.270	13.10	37.60	31.20	30.60	50.10	54	-3.90	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3543.964	6.80	32.30	35.40	46.40	50.10	74	-23.90	Vertical
4904.000	7.60	34.60	35.20	45.30	52.30	74	-21.70	Vertical
6254.078	8.60	34.80	33.70	44.90	54.60	74	-19.40	Vertical
7356.000	10.00	35.70	33.80	45.30	57.20	74	-16.80	Vertical
9808.000	12.30	37.30	32.10	43.10	60.60	74	-13.40	Vertical
11016.891	13.00	37.50	31.20	44.20	63.50	74	-10.50	Vertical
3726.298	6.80	32.80	35.60	45.90	49.90	74	-24.10	Horizontal
4904.000	7.60	34.60	35.20	45.70	52.70	74	-21.30	Horizontal
6209.415	8.50	34.90	33.80	45.10	54.70	74	-19.30	Horizontal
7356.000	10.00	35.70	33.80	45.70	57.60	74	-16.40	Horizontal
9808.000	12.30	37.30	32.10	43.20	60.70	74	-13.30	Horizontal
11016.891	13.00	37.50	31.20	45.00	64.30	74	-9.70	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3543.964	6.80	32.30	35.40	32.80	36.50	54	-17.50	Vertical
4904.000	7.60	34.60	35.20	32.20	39.20	54	-14.80	Vertical
6254.078	8.60	34.80	33.70	32.30	42.00	54	-12.00	Vertical
7356.000	10.00	35.70	33.80	31.80	43.70	54	-10.30	Vertical
9808.000	12.30	37.30	32.10	31.00	48.50	54	-5.50	Vertical
11016.891	13.00	37.50	31.20	31.40	50.70	54	-3.30	Vertical
3726.298	6.80	32.80	35.60	32.70	36.70	54	-17.30	Horizontal
4904.000	7.60	34.60	35.20	32.20	39.20	54	-14.80	Horizontal
6209.415	8.50	34.90	33.80	32.30	41.90	54	-12.10	Horizontal
7356.000	10.00	35.70	33.80	31.80	43.70	54	-10.30	Horizontal
9808.000	12.30	37.30	32.10	31.00	48.50	54	-5.50	Horizontal
11016.891	13.00	37.50	31.20	31.40	50.70	54	-3.30	Horizontal

Wi-Fi 2								
Test mode:	802.11b	Test channel:	Lowest	Remark:	Peak			
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3569.455	6.80	32.30	35.50	46.70	50.30	74	-23.70	Vertical
4824.000	7.60	34.40	35.10	45.90	52.80	74	-21.20	Vertical
6265.293	8.60	34.80	33.70	46.00	55.70	74	-18.30	Vertical
7236.000	9.90	35.80	33.80	45.90	57.80	74	-16.20	Vertical
9648.000	12.10	37.20	32.40	44.40	61.30	74	-12.70	Vertical
11256.332	13.60	37.50	31.20	44.00	63.90	74	-10.10	Vertical
3679.853	6.80	32.70	35.60	46.30	50.20	74	-23.80	Horizontal
4824.000	7.60	34.40	35.10	45.60	52.50	74	-21.50	Horizontal
6154.034	8.40	35.00	34.00	45.70	55.10	74	-18.90	Horizontal
7236.000	9.90	35.80	33.80	45.40	57.30	74	-16.70	Horizontal
9648.000	12.10	37.20	32.40	43.90	60.80	74	-13.20	Horizontal
10957.831	12.90	37.50	31.20	44.60	63.80	74	-10.20	Horizontal

Test mode:	802.11b	Test channel:	Lowest	Remark:	Average			
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3569.455	6.80	32.30	35.50	33.10	36.70	54	-17.30	Vertical
4824.000	7.60	34.40	35.10	32.70	39.60	54	-14.40	Vertical
6265.293	8.60	34.80	33.70	32.80	42.50	54	-11.50	Vertical
7236.000	9.90	35.80	33.80	31.80	43.70	54	-10.30	Vertical
9648.000	12.10	37.20	32.40	31.00	47.90	54	-6.10	Vertical
11256.332	13.60	37.50	31.20	30.40	50.30	54	-3.70	Vertical
3679.853	6.80	32.70	35.60	33.40	37.30	54	-16.70	Horizontal
4824.000	7.60	34.40	35.10	32.60	39.50	54	-14.50	Horizontal
6154.034	8.40	35.00	34.00	32.80	42.20	54	-11.80	Horizontal
7236.000	9.90	35.80	33.80	31.70	43.60	54	-10.40	Horizontal
9648.000	12.10	37.20	32.40	30.90	47.80	54	-6.20	Horizontal
10957.831	12.90	37.50	31.20	31.50	50.70	54	-3.30	Horizontal

Test mode:	802.11b	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3807.285	6.80	33.10	35.60	46.50	50.80	74	-23.20	Vertical
4874.000	7.60	34.50	35.20	45.20	52.10	74	-21.90	Vertical
5586.499	7.80	34.50	34.70	46.50	54.10	74	-19.90	Vertical
7311.000	10.00	35.70	33.80	45.90	57.80	74	-16.20	Vertical
9748.000	12.30	37.30	32.10	43.70	61.20	74	-12.80	Vertical
11155.939	13.30	37.50	31.20	43.80	63.40	74	-10.60	Vertical
3719.627	6.80	32.80	35.60	46.40	50.40	74	-23.60	Horizontal
4874.000	7.60	34.50	35.20	45.90	52.80	74	-21.20	Horizontal
6110.086	8.40	35.00	34.10	45.90	55.20	74	-18.80	Horizontal
7311.000	10.00	35.70	33.80	46.10	58.00	74	-16.00	Horizontal
9748.000	12.30	37.30	32.10	44.40	61.90	74	-12.10	Horizontal
11459.836	13.50	37.60	31.60	45.00	64.50	74	-9.50	Horizontal

Test mode:	802.11b	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3807.285	6.80	33.10	35.60	32.70	37.00	54	-17.00	Vertical
4874.000	7.60	34.50	35.20	32.10	39.00	54	-15.00	Vertical
5586.499	7.80	34.50	34.70	32.70	40.30	54	-13.70	Vertical
7311.000	10.00	35.70	33.80	31.60	43.50	54	-10.50	Vertical
9748.000	12.30	37.30	32.10	30.50	48.00	54	-6.00	Vertical
11155.939	13.30	37.50	31.20	30.90	50.50	54	-3.50	Vertical
3719.627	6.80	32.80	35.60	33.10	37.10	54	-16.90	Horizontal
4874.000	7.60	34.50	35.20	32.10	39.00	54	-15.00	Horizontal
6110.086	8.40	35.00	34.10	32.60	41.90	54	-12.10	Horizontal
7311.000	10.00	35.70	33.80	31.70	43.60	54	-10.40	Horizontal
9748.000	12.30	37.30	32.10	30.60	48.10	54	-5.90	Horizontal
11459.836	13.50	37.60	31.60	30.80	50.30	54	-3.70	Horizontal

Test mode:	802.11b	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3855.338	6.80	33.30	35.50	45.70	50.30	74	-23.70	Vertical
4924.000	7.60	34.60	35.20	45.90	52.90	74	-21.10	Vertical
6198.299	8.50	34.90	33.80	45.20	54.80	74	-19.20	Vertical
7386.000	10.00	35.70	33.90	45.70	57.50	74	-16.50	Vertical
9848.000	12.30	37.30	32.10	44.20	61.70	74	-12.30	Vertical
11439.321	13.50	37.60	31.50	44.60	64.20	74	-9.80	Vertical
3699.687	6.80	32.70	35.60	45.90	49.80	74	-24.20	Horizontal
4924.000	7.60	34.60	35.20	45.70	52.70	74	-21.30	Horizontal
6121.043	8.40	35.00	34.10	45.00	54.30	74	-19.70	Horizontal
7386.000	10.00	35.70	33.90	45.70	57.50	74	-16.50	Horizontal
9848.000	12.30	37.30	32.10	43.00	60.50	74	-13.50	Horizontal
11195.988	13.40	37.50	31.10	44.20	64.00	74	-10.00	Horizontal

Test mode:	802.11b	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3855.338	6.80	33.30	35.50	32.30	36.90	54	-17.10	Vertical
4924.000	7.60	34.60	35.20	32.70	39.70	54	-14.30	Vertical
6198.299	8.50	34.90	33.80	32.30	41.90	54	-12.10	Vertical
7386.000	10.00	35.70	33.90	32.10	43.90	54	-10.10	Vertical
9848.000	12.30	37.30	32.10	31.40	48.90	54	-5.10	Vertical
11439.321	13.50	37.60	31.50	30.80	50.40	54	-3.60	Vertical
3699.687	6.80	32.70	35.60	33.30	37.20	54	-16.80	Horizontal
4924.000	7.60	34.60	35.20	32.60	39.60	54	-14.40	Horizontal
6121.043	8.40	35.00	34.10	32.60	41.90	54	-12.10	Horizontal
7386.000	10.00	35.70	33.90	32.10	43.90	54	-10.10	Horizontal
9848.000	12.30	37.30	32.10	31.40	48.90	54	-5.10	Horizontal
11195.988	13.40	37.50	31.10	30.80	50.60	54	-3.40	Horizontal

Test mode:	802.11g	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3918.012	6.90	33.20	35.40	45.20	49.90	74	-24.10	Vertical
4824.000	7.60	34.40	35.10	46.70	53.60	74	-20.40	Vertical
6176.127	8.50	34.90	33.90	45.20	54.70	74	-19.30	Vertical
7236.000	9.90	35.80	33.80	45.80	57.70	74	-16.30	Vertical
9648.000	12.10	37.20	32.40	43.70	60.60	74	-13.40	Vertical
11036.649	13.00	37.60	31.20	44.70	64.10	74	-9.90	Vertical
3699.687	6.80	32.70	35.60	46.00	49.90	74	-24.10	Horizontal
4824.000	7.60	34.40	35.10	45.30	52.20	74	-21.80	Horizontal
5842.430	8.00	34.40	34.50	45.50	53.40	74	-20.60	Horizontal
7236.000	9.90	35.80	33.80	46.20	58.10	74	-15.90	Horizontal
9648.000	12.10	37.20	32.40	44.70	61.60	74	-12.40	Horizontal
11562.963	13.40	37.70	31.70	44.70	64.10	74	-9.90	Horizontal

Test mode:	802.11g	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3918.012	6.90	33.20	35.40	32.60	37.30	54	-16.70	Vertical
4824.000	7.60	34.40	35.10	32.40	39.30	54	-14.70	Vertical
6176.127	8.50	34.90	33.90	32.60	42.10	54	-11.90	Vertical
7236.000	9.90	35.80	33.80	31.50	43.40	54	-10.60	Vertical
9648.000	12.10	37.20	32.40	30.90	47.80	54	-6.20	Vertical
11036.649	13.00	37.60	31.20	31.10	50.50	54	-3.50	Vertical
3699.687	6.80	32.70	35.60	33.20	37.10	54	-16.90	Horizontal
4824.000	7.60	34.40	35.10	32.30	39.20	54	-14.80	Horizontal
5842.430	8.00	34.40	34.50	32.50	40.40	54	-13.60	Horizontal
7236.000	9.90	35.80	33.80	31.50	43.40	54	-10.60	Horizontal
9648.000	12.10	37.20	32.40	30.80	47.70	54	-6.30	Horizontal
11562.963	13.40	37.70	31.70	31.20	50.60	54	-3.40	Horizontal

Test mode:	802.11g	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3910.998	6.90	33.20	35.40	45.70	50.40	74	-23.60	Vertical
4874.000	7.60	34.50	35.20	45.20	52.10	74	-21.90	Vertical
6344.370	8.70	34.80	33.70	44.90	54.70	74	-19.30	Vertical
7311.000	10.00	35.70	33.80	45.90	57.80	74	-16.20	Vertical
9748.000	12.30	37.30	32.10	43.50	61.00	74	-13.00	Vertical
11116.033	13.20	37.60	31.20	44.00	63.60	74	-10.40	Vertical
3666.690	6.80	32.60	35.60	46.70	50.50	74	-23.50	Horizontal
4874.000	7.60	34.50	35.20	45.60	52.50	74	-21.50	Horizontal
6220.550	8.50	34.90	33.80	45.20	54.80	74	-19.20	Horizontal
7311.000	10.00	35.70	33.80	46.10	58.00	74	-16.00	Horizontal
9748.000	12.30	37.30	32.10	44.80	62.30	74	-11.70	Horizontal
12071.042	14.40	37.80	31.80	44.50	64.90	74	-9.10	Horizontal

Test mode:	802.11g	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3910.998	6.90	33.20	35.40	32.70	37.40	54	-16.60	Vertical
4874.000	7.60	34.50	35.20	32.00	38.90	54	-15.10	Vertical
6344.370	8.70	34.80	33.70	32.40	42.20	54	-11.80	Vertical
7311.000	10.00	35.70	33.80	31.50	43.40	54	-10.60	Vertical
9748.000	12.30	37.30	32.10	30.40	47.90	54	-6.10	Vertical
11116.033	13.20	37.60	31.20	30.90	50.50	54	-3.50	Vertical
3666.690	6.80	32.60	35.60	33.00	36.80	54	-17.20	Horizontal
4874.000	7.60	34.50	35.20	31.90	38.80	54	-15.20	Horizontal
6220.550	8.50	34.90	33.80	32.00	41.60	54	-12.40	Horizontal
7311.000	10.00	35.70	33.80	31.40	43.30	54	-10.70	Horizontal
9748.000	12.30	37.30	32.10	30.40	47.90	54	-6.10	Horizontal
12071.042	14.40	37.80	31.80	30.00	50.40	54	-3.60	Horizontal

Test mode:	802.11g	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3601.577	6.80	32.40	35.50	46.50	50.20	74	-23.80	Vertical
4924.000	7.60	34.60	35.20	45.90	52.90	74	-21.10	Vertical
6099.148	8.40	35.00	34.10	45.50	54.80	74	-19.20	Vertical
7386.000	10.00	35.70	33.90	45.80	57.60	74	-16.40	Vertical
9848.000	12.30	37.30	32.10	43.40	60.90	74	-13.10	Vertical
11256.332	13.60	37.50	31.20	44.50	64.40	74	-9.60	Vertical
3759.831	6.80	32.90	35.60	45.80	49.90	74	-24.10	Horizontal
4924.000	7.60	34.60	35.20	44.90	51.90	74	-22.10	Horizontal
6209.415	8.50	34.90	33.80	44.70	54.30	74	-19.70	Horizontal
7386.000	10.00	35.70	33.90	45.10	56.90	74	-17.10	Horizontal
9848.000	12.30	37.30	32.10	43.10	60.60	74	-13.40	Horizontal
11096.133	13.20	37.60	31.20	43.90	63.50	74	-10.50	Horizontal

Test mode:	802.11g	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3601.577	6.80	32.40	35.50	33.10	36.80	54	-17.20	Vertical
4924.000	7.60	34.60	35.20	32.50	39.50	54	-14.50	Vertical
6099.148	8.40	35.00	34.10	32.40	41.70	54	-12.30	Vertical
7386.000	10.00	35.70	33.90	31.90	43.70	54	-10.30	Vertical
9848.000	12.30	37.30	32.10	31.30	48.80	54	-5.20	Vertical
11256.332	13.60	37.50	31.20	30.70	50.60	54	-3.40	Vertical
3759.831	6.80	32.90	35.60	32.40	36.50	54	-17.50	Horizontal
4924.000	7.60	34.60	35.20	32.40	39.40	54	-14.60	Horizontal
6209.415	8.50	34.90	33.80	32.30	41.90	54	-12.10	Horizontal
7386.000	10.00	35.70	33.90	31.90	43.70	54	-10.30	Horizontal
9848.000	12.30	37.30	32.10	31.20	48.70	54	-5.30	Horizontal
11096.133	13.20	37.60	31.20	30.80	50.40	54	-3.60	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3556.687	6.80	32.30	35.40	45.70	49.40	74	-24.60	Vertical
4824.000	7.60	34.40	35.10	45.90	52.80	74	-21.20	Vertical
6033.930	8.30	34.90	34.30	45.40	54.30	74	-19.70	Vertical
7236.000	9.90	35.80	33.80	46.70	58.60	74	-15.40	Vertical
9648.000	12.10	37.20	32.40	45.30	62.20	74	-11.80	Vertical
12006.331	14.20	37.80	31.80	45.10	65.30	74	-8.70	Vertical
3699.687	6.80	32.70	35.60	46.00	49.90	74	-24.10	Horizontal
4824.000	7.60	34.40	35.10	45.50	52.40	74	-21.60	Horizontal
5852.908	8.00	34.40	34.50	46.30	54.20	74	-19.80	Horizontal
7236.000	9.90	35.80	33.80	45.50	57.40	74	-16.60	Horizontal
9648.000	12.10	37.20	32.40	43.80	60.70	74	-13.30	Horizontal
11076.270	13.10	37.60	31.20	44.20	63.70	74	-10.30	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3556.687	6.80	32.30	35.40	32.80	36.50	54	-17.50	Vertical
4824.000	7.60	34.40	35.10	32.50	39.40	54	-14.60	Vertical
6033.930	8.30	34.90	34.30	32.60	41.50	54	-12.50	Vertical
7236.000	9.90	35.80	33.80	31.50	43.40	54	-10.60	Vertical
9648.000	12.10	37.20	32.40	30.90	47.80	54	-6.20	Vertical
12006.331	14.20	37.80	31.80	30.50	50.70	54	-3.30	Vertical
3699.687	6.80	32.70	35.60	33.20	37.10	54	-16.90	Horizontal
4824.000	7.60	34.40	35.10	32.30	39.20	54	-14.80	Horizontal
5852.908	8.00	34.40	34.50	32.80	40.70	54	-13.30	Horizontal
7236.000	9.90	35.80	33.80	31.50	43.40	54	-10.60	Horizontal
9648.000	12.10	37.20	32.40	30.90	47.80	54	-6.20	Horizontal
11076.270	13.10	37.60	31.20	30.60	50.10	54	-3.90	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3910.998	6.90	33.20	35.40	45.20	49.90	74	-24.10	Vertical
4874.000	7.60	34.50	35.20	46.10	53.00	74	-21.00	Vertical
6143.018	8.40	35.00	34.00	46.20	55.60	74	-18.40	Vertical
7311.000	10.00	35.70	33.80	45.30	57.20	74	-16.80	Vertical
9748.000	12.30	37.30	32.10	42.90	60.40	74	-13.60	Vertical
11155.939	13.30	37.50	31.20	44.10	63.70	74	-10.30	Vertical
3679.853	6.80	32.70	35.60	47.00	50.90	74	-23.10	Horizontal
4874.000	7.60	34.50	35.20	45.20	52.10	74	-21.90	Horizontal
6287.786	8.60	34.80	33.70	45.20	54.90	74	-19.10	Horizontal
7311.000	10.00	35.70	33.80	45.70	57.60	74	-16.40	Horizontal
9748.000	12.30	37.30	32.10	43.20	60.70	74	-13.30	Horizontal
11500.976	13.50	37.70	31.60	45.30	64.90	74	-9.10	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3910.998	6.90	33.20	35.40	32.70	37.40	54	-16.60	Vertical
4874.000	7.60	34.50	35.20	32.00	38.90	54	-15.10	Vertical
6143.018	8.40	35.00	34.00	32.30	41.70	54	-12.30	Vertical
7311.000	10.00	35.70	33.80	31.40	43.30	54	-10.70	Vertical
9748.000	12.30	37.30	32.10	30.40	47.90	54	-6.10	Vertical
11155.939	13.30	37.50	31.20	30.80	50.40	54	-3.60	Vertical
3679.853	6.80	32.70	35.60	33.20	37.10	54	-16.90	Horizontal
4874.000	7.60	34.50	35.20	31.90	38.80	54	-15.20	Horizontal
6287.786	8.60	34.80	33.70	32.30	42.00	54	-12.00	Horizontal
7311.000	10.00	35.70	33.80	31.50	43.40	54	-10.60	Horizontal
9748.000	12.30	37.30	32.10	30.40	47.90	54	-6.10	Horizontal
11500.976	13.50	37.70	31.60	30.60	50.20	54	-3.80	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3666.690	6.80	32.60	35.60	46.30	50.10	74	-23.90	Vertical
4924.000	7.60	34.60	35.20	45.50	52.50	74	-21.50	Vertical
6012.346	8.20	34.90	34.40	45.30	54.00	74	-20.00	Vertical
7386.000	10.00	35.70	33.90	45.40	57.20	74	-16.80	Vertical
9848.000	12.30	37.30	32.10	43.10	60.60	74	-13.40	Vertical
11076.270	13.10	37.60	31.20	44.00	63.50	74	-10.50	Vertical
3732.980	6.80	32.80	35.60	45.80	49.80	74	-24.20	Horizontal
4924.000	7.60	34.60	35.20	45.80	52.80	74	-21.20	Horizontal
6242.882	8.60	34.90	33.70	44.90	54.70	74	-19.30	Horizontal
7386.000	10.00	35.70	33.90	45.80	57.60	74	-16.40	Horizontal
9848.000	12.30	37.30	32.10	43.90	61.40	74	-12.60	Horizontal
11500.976	13.50	37.70	31.60	44.30	63.90	74	-10.10	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3666.690	6.80	32.60	35.60	33.00	36.80	54	-17.20	Vertical
4924.000	7.60	34.60	35.20	32.50	39.50	54	-14.50	Vertical
6012.346	8.20	34.90	34.40	32.40	41.10	54	-12.90	Vertical
7386.000	10.00	35.70	33.90	31.90	43.70	54	-10.30	Vertical
9848.000	12.30	37.30	32.10	31.30	48.80	54	-5.20	Vertical
11076.270	13.10	37.60	31.20	31.20	50.70	54	-3.30	Vertical
3732.980	6.80	32.80	35.60	32.90	36.90	54	-17.10	Horizontal
4924.000	7.60	34.60	35.20	32.50	39.50	54	-14.50	Horizontal
6242.882	8.60	34.90	33.70	32.30	42.10	54	-11.90	Horizontal
7386.000	10.00	35.70	33.90	32.00	43.80	54	-10.20	Horizontal
9848.000	12.30	37.30	32.10	31.30	48.80	54	-5.20	Horizontal
11500.976	13.50	37.70	31.60	30.70	50.30	54	-3.70	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3419.214	6.90	32.00	35.20	47.20	50.90	74	-23.10	Vertical
4844.000	7.60	34.50	35.10	45.70	52.70	74	-21.30	Vertical
5863.404	8.00	34.50	34.50	45.50	53.50	74	-20.50	Vertical
7266.000	9.90	35.70	33.80	46.50	58.30	74	-15.70	Vertical
9688.000	12.10	37.20	32.30	44.00	61.00	74	-13.00	Vertical
12399.868	15.00	37.90	32.10	45.00	65.80	74	-8.20	Vertical
3569.455	6.80	32.30	35.50	46.20	49.80	74	-24.20	Horizontal
4844.000	7.60	34.50	35.10	45.40	52.40	74	-21.60	Horizontal
6176.127	8.50	34.90	33.90	45.20	54.70	74	-19.30	Horizontal
7266.000	9.90	35.70	33.80	45.60	57.40	74	-16.60	Horizontal
9688.000	12.10	37.20	32.30	44.70	61.70	74	-12.30	Horizontal
11135.968	13.30	37.50	31.20	45.20	64.80	74	-9.20	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3419.214	6.90	32.00	35.20	32.80	36.50	54	-17.50	Vertical
4844.000	7.60	34.50	35.10	32.10	39.10	54	-14.90	Vertical
5863.404	8.00	34.50	34.50	32.50	40.50	54	-13.50	Vertical
7266.000	9.90	35.70	33.80	31.80	43.60	54	-10.40	Vertical
9688.000	12.10	37.20	32.30	30.80	47.80	54	-6.20	Vertical
12399.868	15.00	37.90	32.10	29.30	50.10	54	-3.90	Vertical
3569.455	6.80	32.30	35.50	33.10	36.70	54	-17.30	Horizontal
4844.000	7.60	34.50	35.10	32.40	39.40	54	-14.60	Horizontal
6176.127	8.50	34.90	33.90	32.80	42.30	54	-11.70	Horizontal
7266.000	9.90	35.70	33.80	31.70	43.50	54	-10.50	Horizontal
9688.000	12.10	37.20	32.30	30.80	47.80	54	-6.20	Horizontal
11135.968	13.30	37.50	31.20	30.80	50.40	54	-3.60	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3633.988	6.80	32.50	35.50	46.50	50.30	74	-23.70	Vertical
4874.000	7.60	34.50	35.20	45.30	52.20	74	-21.80	Vertical
6231.706	8.60	34.90	33.70	45.00	54.80	74	-19.20	Vertical
7311.000	10.00	35.70	33.80	45.90	57.80	74	-16.20	Vertical
9748.000	12.30	37.30	32.10	44.20	61.70	74	-12.30	Vertical
11135.968	13.30	37.50	31.20	44.50	64.10	74	-9.90	Vertical
3620.988	6.80	32.40	35.50	46.60	50.30	74	-23.70	Horizontal
4874.000	7.60	34.50	35.20	45.50	52.40	74	-21.60	Horizontal
6198.299	8.50	34.90	33.80	45.60	55.20	74	-18.80	Horizontal
7311.000	10.00	35.70	33.80	45.60	57.50	74	-16.50	Horizontal
9748.000	12.30	37.30	32.10	44.40	61.90	74	-12.10	Horizontal
11480.387	13.50	37.60	31.60	45.50	65.00	74	-9.00	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3633.988	6.80	32.50	35.50	32.90	36.70	54	-17.30	Vertical
4874.000	7.60	34.50	35.20	32.00	38.90	54	-15.10	Vertical
6231.706	8.60	34.90	33.70	32.30	42.10	54	-11.90	Vertical
7311.000	10.00	35.70	33.80	31.60	43.50	54	-10.50	Vertical
9748.000	12.30	37.30	32.10	30.50	48.00	54	-6.00	Vertical
11135.968	13.30	37.50	31.20	31.00	50.60	54	-3.40	Vertical
3620.988	6.80	32.40	35.50	33.40	37.10	54	-16.90	Horizontal
4874.000	7.60	34.50	35.20	32.10	39.00	54	-15.00	Horizontal
6198.299	8.50	34.90	33.80	32.30	41.90	54	-12.10	Horizontal
7311.000	10.00	35.70	33.80	31.60	43.50	54	-10.50	Horizontal
9748.000	12.30	37.30	32.10	30.50	48.00	54	-6.00	Horizontal
11480.387	13.50	37.60	31.60	30.70	50.20	54	-3.80	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3903.997	6.90	33.20	35.40	46.10	50.80	74	-23.20	Vertical
4904.000	7.60	34.60	35.20	44.90	51.90	74	-22.10	Vertical
6176.127	8.50	34.90	33.90	46.40	55.90	74	-18.10	Vertical
7356.000	10.00	35.70	33.80	45.20	57.10	74	-16.90	Vertical
9808.000	12.30	37.30	32.10	44.70	62.20	74	-11.80	Vertical
11076.270	13.10	37.60	31.20	45.00	64.50	74	-9.50	Vertical
3400.884	6.90	32.00	35.20	46.30	50.00	74	-24.00	Horizontal
4904.000	7.60	34.60	35.20	46.00	53.00	74	-21.00	Horizontal
6276.529	8.60	34.80	33.70	45.40	55.10	74	-18.90	Horizontal
7356.000	10.00	35.70	33.80	45.80	57.70	74	-16.30	Horizontal
9808.000	12.30	37.30	32.10	43.70	61.20	74	-12.80	Horizontal
11036.649	13.00	37.60	31.20	44.60	64.00	74	-10.00	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3903.997	6.90	33.20	35.40	33.00	37.70	54	-16.30	Vertical
4904.000	7.60	34.60	35.20	32.30	39.30	54	-14.70	Vertical
6176.127	8.50	34.90	33.90	32.60	42.10	54	-11.90	Vertical
7356.000	10.00	35.70	33.80	31.80	43.70	54	-10.30	Vertical
9808.000	12.30	37.30	32.10	31.00	48.50	54	-5.50	Vertical
11076.270	13.10	37.60	31.20	30.60	50.10	54	-3.90	Vertical
3400.884	6.90	32.00	35.20	32.50	36.20	54	-17.80	Horizontal
4904.000	7.60	34.60	35.20	32.30	39.30	54	-14.70	Horizontal
6276.529	8.60	34.80	33.70	32.20	41.90	54	-12.10	Horizontal
7356.000	10.00	35.70	33.80	31.80	43.70	54	-10.30	Horizontal
9808.000	12.30	37.30	32.10	31.00	48.50	54	-5.50	Horizontal
11036.649	13.00	37.60	31.20	31.10	50.50	54	-3.50	Horizontal

Wi-Fi 1 + Wi-Fi 2								
Test mode:	802.11b	Test channel:	Lowest	Remark:	Peak			
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3734.868	6.80	32.80	35.60	46.60	50.60	74	-23.40	Vertical
4824.000	7.60	34.40	35.10	46.30	53.20	74	-20.80	Vertical
6428.547	8.80	35.00	33.60	45.90	56.10	74	-17.90	Vertical
7236.000	9.90	35.80	33.80	46.40	58.30	74	-15.70	Vertical
9648.000	12.10	37.20	32.40	44.90	61.80	74	-12.20	Vertical
11582.659	13.50	37.70	31.60	44.60	64.20	74	-9.80	Vertical
3427.261	6.90	32.00	35.30	47.00	50.60	74	-23.40	Horizontal
4824.000	7.60	34.40	35.10	46.00	52.90	74	-21.10	Horizontal
6386.516	8.80	34.90	33.60	45.40	55.50	74	-18.50	Horizontal
7236.000	9.90	35.80	33.80	45.80	57.70	74	-16.30	Horizontal
9648.000	12.10	37.20	32.40	44.40	61.30	74	-12.70	Horizontal
11263.255	13.60	37.50	31.10	44.20	64.20	74	-9.80	Horizontal

Test mode:	802.11b	Test channel:	Lowest	Remark:	Average			
Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3734.868	6.80	32.80	35.60	33.10	37.10	54	-16.90	Vertical
4824.000	7.60	34.40	35.10	33.10	40.00	54	-14.00	Vertical
6428.547	8.80	35.00	33.60	32.70	42.90	54	-11.10	Vertical
7236.000	9.90	35.80	33.80	32.20	44.10	54	-9.90	Vertical
9648.000	12.10	37.20	32.40	31.30	48.20	54	-5.80	Vertical
11582.659	13.50	37.70	31.60	31.10	50.70	54	-3.30	Vertical
3427.261	6.90	32.00	35.30	33.90	37.50	54	-16.50	Horizontal
4824.000	7.60	34.40	35.10	32.90	39.80	54	-14.20	Horizontal
6386.516	8.80	34.90	33.60	32.50	42.60	54	-11.40	Horizontal
7236.000	9.90	35.80	33.80	32.00	43.90	54	-10.10	Horizontal
9648.000	12.10	37.20	32.40	31.30	48.20	54	-5.80	Horizontal
11263.255	13.60	37.50	31.10	30.40	50.40	54	-3.60	Horizontal

Test mode:	802.11b	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3744.552	6.80	32.90	35.60	47.10	51.20	74	-22.80	Vertical
4874.000	7.60	34.50	35.10	45.60	52.60	74	-21.40	Vertical
6025.846	8.20	35.00	34.30	45.60	54.50	74	-19.50	Vertical
7311.000	10.00	35.70	33.80	46.30	58.20	74	-15.80	Vertical
9748.000	12.30	37.30	32.10	44.20	61.70	74	-12.30	Vertical
11628.575	13.40	37.60	31.70	44.40	63.70	74	-10.30	Vertical
3652.743	6.80	32.60	35.50	46.90	50.80	74	-23.20	Horizontal
4874.000	7.60	34.50	35.10	46.20	53.20	74	-20.80	Horizontal
6672.448	9.10	35.40	33.70	44.70	55.50	74	-18.50	Horizontal
7311.000	10.00	35.70	33.80	46.50	58.40	74	-15.60	Horizontal
9748.000	12.30	37.30	32.10	44.80	62.30	74	-11.70	Horizontal
11682.461	13.40	37.60	31.70	45.60	64.90	74	-9.10	Horizontal

Test mode:	802.11b	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3744.552	6.80	32.90	35.60	33.40	37.50	54	-16.50	Vertical
4874.000	7.60	34.50	35.10	32.40	39.40	54	-14.60	Vertical
6025.846	8.20	35.00	34.30	31.90	40.80	54	-13.20	Vertical
7311.000	10.00	35.70	33.80	32.00	43.90	54	-10.10	Vertical
9748.000	12.30	37.30	32.10	30.90	48.40	54	-5.60	Vertical
11628.575	13.40	37.60	31.70	31.50	50.80	54	-3.20	Vertical
3652.743	6.80	32.60	35.50	33.60	37.50	54	-16.50	Horizontal
4874.000	7.60	34.50	35.10	32.40	39.40	54	-14.60	Horizontal
6672.448	9.10	35.40	33.70	31.30	42.10	54	-11.90	Horizontal
7311.000	10.00	35.70	33.80	32.00	43.90	54	-10.10	Horizontal
9748.000	12.30	37.30	32.10	31.00	48.50	54	-5.50	Horizontal
11682.461	13.40	37.60	31.70	31.40	50.70	54	-3.30	Horizontal

Test mode:	802.11b	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3682.674	6.80	32.70	35.50	46.60	50.60	74	-23.40	Vertical
4924.000	7.60	34.60	35.20	46.20	53.20	74	-20.80	Vertical
6225.746	8.60	34.90	33.80	45.40	55.10	74	-18.90	Vertical
7386.000	10.00	35.70	33.90	46.10	57.90	74	-16.10	Vertical
9848.000	12.30	37.30	32.10	44.60	62.10	74	-11.90	Vertical
12056.758	14.30	37.80	31.80	44.30	64.60	74	-9.40	Vertical
3638.526	6.80	32.50	35.50	46.40	50.20	74	-23.80	Horizontal
4924.000	7.60	34.60	35.20	46.10	53.10	74	-20.90	Horizontal
6358.476	8.70	34.80	33.70	44.70	54.50	74	-19.50	Horizontal
7386.000	10.00	35.70	33.90	46.00	57.80	74	-16.20	Horizontal
9848.000	12.30	37.30	32.10	43.40	60.90	74	-13.10	Horizontal
11725.462	13.40	37.70	31.70	44.90	64.30	74	-9.70	Horizontal

Test mode:	802.11b	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3682.674	6.80	32.70	35.50	33.30	37.30	54	-16.70	Vertical
4924.000	7.60	34.60	35.20	32.90	39.90	54	-14.10	Vertical
6225.746	8.60	34.90	33.80	32.60	42.30	54	-11.70	Vertical
7386.000	10.00	35.70	33.90	32.40	44.20	54	-9.80	Vertical
9848.000	12.30	37.30	32.10	31.70	49.20	54	-4.80	Vertical
12056.758	14.30	37.80	31.80	30.50	50.80	54	-3.20	Vertical
3638.526	6.80	32.50	35.50	33.80	37.60	54	-16.40	Horizontal
4924.000	7.60	34.60	35.20	32.90	39.90	54	-14.10	Horizontal
6358.476	8.70	34.80	33.70	32.40	42.20	54	-11.80	Horizontal
7386.000	10.00	35.70	33.90	32.50	44.30	54	-9.70	Horizontal
9848.000	12.30	37.30	32.10	31.70	49.20	54	-4.80	Horizontal
11725.462	13.40	37.70	31.70	30.80	50.20	54	-3.80	Horizontal

Test mode:	802.11g	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3736.254	6.80	32.80	35.60	46.20	50.20	74	-23.80	Vertical
4824.000	7.60	34.40	35.10	47.00	53.90	74	-20.10	Vertical
6358.349	8.70	34.80	33.70	45.30	55.10	74	-18.90	Vertical
7236.000	9.90	35.80	33.80	46.10	58.00	74	-16.00	Vertical
9648.000	12.10	37.20	32.40	44.00	60.90	74	-13.10	Vertical
11258.427	13.60	37.50	31.10	44.50	64.50	74	-9.50	Vertical
3575.405	6.80	32.30	35.50	46.70	50.30	74	-23.70	Horizontal
4824.000	7.60	34.40	35.10	45.80	52.70	74	-21.30	Horizontal
6064.652	8.30	35.00	34.20	44.80	53.90	74	-20.10	Horizontal
7236.000	9.90	35.80	33.80	46.70	58.60	74	-15.40	Horizontal
9648.000	12.10	37.20	32.40	45.00	61.90	74	-12.10	Horizontal
11740.785	13.40	37.70	31.70	45.20	64.60	74	-9.40	Horizontal

Test mode:	802.11g	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3736.254	6.80	32.80	35.60	33.80	37.80	54	-16.20	Vertical
4824.000	7.60	34.40	35.10	32.80	39.70	54	-14.30	Vertical
6358.349	8.70	34.80	33.70	32.80	42.60	54	-11.40	Vertical
7236.000	9.90	35.80	33.80	31.90	43.80	54	-10.20	Vertical
9648.000	12.10	37.20	32.40	31.30	48.20	54	-5.80	Vertical
11258.427	13.60	37.50	31.10	30.70	50.70	54	-3.30	Vertical
3575.405	6.80	32.30	35.50	33.90	37.50	54	-16.50	Horizontal
4824.000	7.60	34.40	35.10	32.70	39.60	54	-14.40	Horizontal
6064.652	8.30	35.00	34.20	31.70	40.80	54	-13.20	Horizontal
7236.000	9.90	35.80	33.80	32.00	43.90	54	-10.10	Horizontal
9648.000	12.10	37.20	32.40	31.30	48.20	54	-5.80	Horizontal
11740.785	13.40	37.70	31.70	31.00	50.40	54	-3.60	Horizontal

Test mode:	802.11g	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3732.716	6.80	32.80	35.60	46.80	50.80	74	-23.20	Vertical
4874.000	7.60	34.50	35.10	45.60	52.60	74	-21.40	Vertical
6166.592	8.50	35.00	33.90	45.30	54.90	74	-19.10	Vertical
7311.000	10.00	35.70	33.80	46.30	58.20	74	-15.80	Vertical
9748.000	12.30	37.30	32.10	44.00	61.50	74	-12.50	Vertical
11394.251	13.50	37.50	31.40	44.30	63.90	74	-10.10	Vertical
3844.672	6.80	33.30	35.50	46.30	50.90	74	-23.10	Horizontal
4874.000	7.60	34.50	35.10	45.80	52.80	74	-21.20	Horizontal
6402.738	8.80	34.90	33.60	45.10	55.20	74	-18.80	Horizontal
7311.000	10.00	35.70	33.80	46.60	58.50	74	-15.50	Horizontal
9748.000	12.30	37.30	32.10	45.30	62.80	74	-11.20	Horizontal
12253.860	14.90	37.90	31.90	44.40	65.30	74	-8.70	Horizontal

Test mode:	802.11g	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3732.716	6.80	32.80	35.60	33.80	37.80	54	-16.20	Vertical
4874.000	7.60	34.50	35.10	32.30	39.30	54	-14.70	Vertical
6166.592	8.50	35.00	33.90	33.10	42.70	54	-11.30	Vertical
7311.000	10.00	35.70	33.80	31.90	43.80	54	-10.20	Vertical
9748.000	12.30	37.30	32.10	30.70	48.20	54	-5.80	Vertical
11394.251	13.50	37.50	31.40	31.20	50.80	54	-3.20	Vertical
3844.672	6.80	33.30	35.50	32.60	37.20	54	-16.80	Horizontal
4874.000	7.60	34.50	35.10	32.10	39.10	54	-14.90	Horizontal
6402.738	8.80	34.90	33.60	31.80	41.90	54	-12.10	Horizontal
7311.000	10.00	35.70	33.80	31.80	43.70	54	-10.30	Horizontal
9748.000	12.30	37.30	32.10	30.70	48.20	54	-5.80	Horizontal
12253.860	14.90	37.90	31.90	29.70	50.60	54	-3.40	Horizontal

Test mode:	802.11g	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3483.759	6.90	32.20	35.40	47.00	50.70	74	-23.30	Vertical
4924.000	7.60	34.60	35.20	46.30	53.30	74	-20.70	Vertical
6217.360	8.50	34.90	33.80	45.50	55.10	74	-18.90	Vertical
7386.000	10.00	35.70	33.90	46.10	57.90	74	-16.10	Vertical
9848.000	12.30	37.30	32.10	43.80	61.30	74	-12.70	Vertical
11478.550	13.50	37.60	31.60	45.30	64.80	74	-9.20	Vertical
3571.653	6.80	32.30	35.50	46.70	50.30	74	-23.70	Horizontal
4924.000	7.60	34.60	35.20	45.40	52.40	74	-21.60	Horizontal
6427.637	8.80	35.00	33.60	44.40	54.60	74	-19.40	Horizontal
7386.000	10.00	35.70	33.90	45.60	57.40	74	-16.60	Horizontal
9848.000	12.30	37.30	32.10	43.40	60.90	74	-13.10	Horizontal
11274.355	13.60	37.50	31.10	43.90	63.90	74	-10.10	Horizontal

Test mode:	802.11g	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3483.759	6.90	32.20	35.40	33.50	37.20	54	-16.80	Vertical
4924.000	7.60	34.60	35.20	32.90	39.90	54	-14.10	Vertical
6217.360	8.50	34.90	33.80	32.50	42.10	54	-11.90	Vertical
7386.000	10.00	35.70	33.90	32.30	44.10	54	-9.90	Vertical
9848.000	12.30	37.30	32.10	31.70	49.20	54	-4.80	Vertical
11478.550	13.50	37.60	31.60	30.90	50.40	54	-3.60	Vertical
3571.653	6.80	32.30	35.50	33.30	36.90	54	-17.10	Horizontal
4924.000	7.60	34.60	35.20	32.80	39.80	54	-14.20	Horizontal
6427.637	8.80	35.00	33.60	32.10	42.30	54	-11.70	Horizontal
7386.000	10.00	35.70	33.90	32.30	44.10	54	-9.90	Horizontal
9848.000	12.30	37.30	32.10	31.50	49.00	54	-5.00	Horizontal
11274.355	13.60	37.50	31.10	30.50	50.50	54	-3.50	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3468.675	6.90	32.20	35.30	47.00	50.80	74	-23.20	Vertical
4824.000	7.60	34.40	35.10	45.90	52.80	74	-21.20	Vertical
6265.933	8.60	34.80	33.70	44.90	54.60	74	-19.40	Vertical
7236.000	9.90	35.80	33.80	46.60	58.50	74	-15.50	Vertical
9648.000	12.10	37.20	32.40	44.70	61.60	74	-12.40	Vertical
11671.058	13.40	37.60	31.70	45.10	64.40	74	-9.60	Vertical
3469.251	6.90	32.20	35.30	46.10	49.90	74	-24.10	Horizontal
4824.000	7.60	34.40	35.10	46.20	53.10	74	-20.90	Horizontal
6251.156	8.60	34.90	33.70	45.00	54.80	74	-19.20	Horizontal
7236.000	9.90	35.80	33.80	46.30	58.20	74	-15.80	Horizontal
9648.000	12.10	37.20	32.40	44.80	61.70	74	-12.30	Horizontal
11298.458	13.60	37.50	31.20	44.40	64.30	74	-9.70	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3468.675	6.90	32.20	35.30	33.80	37.60	54	-16.40	Vertical
4824.000	7.60	34.40	35.10	32.80	39.70	54	-14.30	Vertical
6265.933	8.60	34.80	33.70	32.10	41.80	54	-12.20	Vertical
7236.000	9.90	35.80	33.80	32.00	43.90	54	-10.10	Vertical
9648.000	12.10	37.20	32.40	31.30	48.20	54	-5.80	Vertical
11671.058	13.40	37.60	31.70	31.50	50.80	54	-3.20	Vertical
3469.251	6.90	32.20	35.30	33.10	36.90	54	-17.10	Horizontal
4824.000	7.60	34.40	35.10	32.70	39.60	54	-14.40	Horizontal
6251.156	8.60	34.90	33.70	32.10	41.90	54	-12.10	Horizontal
7236.000	9.90	35.80	33.80	31.90	43.80	54	-10.20	Horizontal
9648.000	12.10	37.20	32.40	31.40	48.30	54	-5.70	Horizontal
11298.458	13.60	37.50	31.20	30.50	50.40	54	-3.60	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3636.395	6.80	32.50	35.50	46.80	50.60	74	-23.40	Vertical
4874.000	7.60	34.50	35.10	46.30	53.30	74	-20.70	Vertical
6387.292	8.80	34.90	33.60	44.80	54.90	74	-19.10	Vertical
7311.000	10.00	35.70	33.80	45.70	57.60	74	-16.40	Vertical
9748.000	12.30	37.30	32.10	45.80	63.30	74	-10.70	Vertical
11077.514	13.20	37.60	31.20	44.20	63.80	74	-10.20	Vertical
3759.842	6.80	32.90	35.60	46.80	50.90	74	-23.10	Horizontal
4874.000	7.60	34.50	35.10	46.40	53.40	74	-20.60	Horizontal
6387.293	8.80	34.90	33.60	45.40	55.50	74	-18.50	Horizontal
7311.000	10.00	35.70	33.80	46.00	57.90	74	-16.10	Horizontal
9748.000	12.30	37.30	32.10	44.40	61.90	74	-12.10	Horizontal
11238.019	13.60	37.50	31.10	44.50	64.50	74	-9.50	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3636.395	6.80	32.50	35.50	33.50	37.30	54	-16.70	Vertical
4874.000	7.60	34.50	35.10	32.20	39.20	54	-14.80	Vertical
6387.292	8.80	34.90	33.60	32.40	42.50	54	-11.50	Vertical
7311.000	10.00	35.70	33.80	31.90	43.80	54	-10.20	Vertical
9748.000	12.30	37.30	32.10	30.70	48.20	54	-5.80	Vertical
11077.514	13.20	37.60	31.20	30.90	50.50	54	-3.50	Vertical
3759.842	6.80	32.90	35.60	32.80	36.90	54	-17.10	Horizontal
4874.000	7.60	34.50	35.10	32.20	39.20	54	-14.80	Horizontal
6387.293	8.80	34.90	33.60	32.30	42.40	54	-11.60	Horizontal
7311.000	10.00	35.70	33.80	31.90	43.80	54	-10.20	Horizontal
9748.000	12.30	37.30	32.10	30.80	48.30	54	-5.70	Horizontal
11238.019	13.60	37.50	31.10	30.40	50.40	54	-3.60	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3759.848	6.80	32.90	35.60	46.50	50.60	74	-23.40	Vertical
4924.000	7.60	34.60	35.20	46.80	53.80	74	-20.20	Vertical
6305.425	8.70	34.80	33.70	45.40	55.20	74	-18.80	Vertical
7386.000	10.00	35.70	33.90	46.60	58.40	74	-15.60	Vertical
9848.000	12.30	37.30	32.10	45.20	62.70	74	-11.30	Vertical
11298.452	13.60	37.50	31.20	44.20	64.10	74	-9.90	Vertical
3471.865	6.90	32.20	35.30	46.70	50.50	74	-23.50	Horizontal
4924.000	7.60	34.60	35.20	46.50	53.50	74	-20.50	Horizontal
6459.528	8.90	35.10	33.60	45.00	55.40	74	-18.60	Horizontal
7386.000	10.00	35.70	33.90	46.40	58.20	74	-15.80	Horizontal
9848.000	12.30	37.30	32.10	44.30	61.80	74	-12.20	Horizontal
11357.763	13.60	37.50	31.30	45.10	64.90	74	-9.10	Horizontal

Test mode:	802.11n(HT20)	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3759.848	6.80	32.90	35.60	32.80	36.90	54	-17.10	Vertical
4924.000	7.60	34.60	35.20	33.10	40.10	54	-13.90	Vertical
6305.425	8.70	34.80	33.70	32.80	42.60	54	-11.40	Vertical
7386.000	10.00	35.70	33.90	32.40	44.20	54	-9.80	Vertical
9848.000	12.30	37.30	32.10	31.60	49.10	54	-4.90	Vertical
11298.452	13.60	37.50	31.20	30.50	50.40	54	-3.60	Vertical
3471.865	6.90	32.20	35.30	33.60	37.40	54	-16.60	Horizontal
4924.000	7.60	34.60	35.20	32.90	39.90	54	-14.10	Horizontal
6459.528	8.90	35.10	33.60	32.10	42.50	54	-11.50	Horizontal
7386.000	10.00	35.70	33.90	32.40	44.20	54	-9.80	Horizontal
9848.000	12.30	37.30	32.10	31.60	49.10	54	-4.90	Horizontal
11357.763	13.60	37.50	31.30	30.60	50.40	54	-3.60	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Lowest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3760.872	6.80	32.90	35.60	46.40	50.50	74	-23.50	Vertical
4844.000	7.60	34.40	35.10	46.70	53.60	74	-20.40	Vertical
6358.349	8.70	34.80	33.70	45.10	54.90	74	-19.10	Vertical
7266.000	9.90	35.70	33.80	45.60	57.40	74	-16.60	Vertical
9688.000	12.20	37.20	32.30	44.70	61.80	74	-12.20	Vertical
11342.186	13.60	37.50	31.30	45.50	65.30	74	-8.70	Vertical
3628.687	6.80	32.50	35.50	46.60	50.40	74	-23.60	Horizontal
4844.000	7.60	34.40	35.10	45.80	52.70	74	-21.30	Horizontal
6365.425	8.70	34.80	33.70	45.10	54.90	74	-19.10	Horizontal
7266.000	9.90	35.70	33.80	46.10	57.90	74	-16.10	Horizontal
9688.000	12.20	37.20	32.30	44.60	61.70	74	-12.30	Horizontal
12189.665	14.70	37.90	31.90	43.70	64.40	74	-9.60	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Lowest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3760.872	6.80	32.90	35.60	32.80	36.90	54	-17.10	Vertical
4844.000	7.60	34.40	35.10	32.60	39.50	54	-14.50	Vertical
6358.349	8.70	34.80	33.70	32.80	42.60	54	-11.40	Vertical
7266.000	9.90	35.70	33.80	32.20	44.00	54	-10.00	Vertical
9688.000	12.20	37.20	32.30	31.10	48.20	54	-5.80	Vertical
11342.186	13.60	37.50	31.30	30.90	50.70	54	-3.30	Vertical
3628.687	6.80	32.50	35.50	33.10	36.90	54	-17.10	Horizontal
4844.000	7.60	34.40	35.10	32.60	39.50	54	-14.50	Horizontal
6365.425	8.70	34.80	33.70	32.70	42.50	54	-11.50	Horizontal
7266.000	9.90	35.70	33.80	32.10	43.90	54	-10.10	Horizontal
9688.000	12.20	37.20	32.30	31.10	48.20	54	-5.80	Horizontal
12189.665	14.70	37.90	31.90	29.60	50.30	54	-3.70	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Middle	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3725.715	6.80	32.80	35.60	46.90	50.90	74	-23.10	Vertical
4874.000	7.60	34.50	35.10	45.80	52.80	74	-21.20	Vertical
6170.946	8.50	35.00	33.90	45.30	54.90	74	-19.10	Vertical
7311.000	10.00	35.70	33.80	46.60	58.50	74	-15.50	Vertical
9748.000	12.30	37.30	32.10	43.60	61.10	74	-12.90	Vertical
11394.255	13.50	37.50	31.40	45.40	65.00	74	-9.00	Vertical
3436.728	6.90	32.10	35.30	47.20	50.90	74	-23.10	Horizontal
4874.000	7.60	34.50	35.10	45.50	52.50	74	-21.50	Horizontal
6549.853	9.00	35.40	33.60	44.70	55.50	74	-18.50	Horizontal
7311.000	10.00	35.70	33.80	45.80	57.70	74	-16.30	Horizontal
9748.000	12.30	37.30	32.10	44.60	62.10	74	-11.90	Horizontal
11258.452	13.60	37.50	31.10	44.50	64.50	74	-9.50	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Middle	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3725.715	6.80	32.80	35.60	33.90	37.90	54	-16.10	Vertical
4874.000	7.60	34.50	35.10	32.20	39.20	54	-14.80	Vertical
6170.946	8.50	35.00	33.90	31.40	41.00	54	-13.00	Vertical
7311.000	10.00	35.70	33.80	31.80	43.70	54	-10.30	Vertical
9748.000	12.30	37.30	32.10	30.90	48.40	54	-5.60	Vertical
11394.255	13.50	37.50	31.40	30.80	50.40	54	-3.60	Vertical
3436.728	6.90	32.10	35.30	33.60	37.30	54	-16.70	Horizontal
4874.000	7.60	34.50	35.10	32.20	39.20	54	-14.80	Horizontal
6549.853	9.00	35.40	33.60	31.70	42.50	54	-11.50	Horizontal
7311.000	10.00	35.70	33.80	31.90	43.80	54	-10.20	Horizontal
9748.000	12.30	37.30	32.10	30.90	48.40	54	-5.60	Horizontal
11258.452	13.60	37.50	31.10	30.60	50.60	54	-3.40	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Highest	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3765.186	6.80	32.90	35.60	46.40	50.50	74	-23.50	Vertical
4904.000	7.60	34.60	35.20	45.70	52.70	74	-21.30	Vertical
6476.250	8.90	35.20	33.60	44.40	54.90	74	-19.10	Vertical
7356.000	10.00	35.60	33.90	45.90	57.60	74	-16.40	Vertical
9808.000	12.30	37.30	32.10	43.50	61.00	74	-13.00	Vertical
11238.073	13.60	37.50	31.10	43.90	63.90	74	-10.10	Vertical
3548.476	6.80	32.30	35.40	47.60	51.30	74	-22.70	Horizontal
4904.000	7.60	34.60	35.20	46.10	53.10	74	-20.90	Horizontal
6421.637	8.80	35.00	33.60	44.90	55.10	74	-18.90	Horizontal
7356.000	10.00	35.60	33.90	46.20	57.90	74	-16.10	Horizontal
9808.000	12.30	37.30	32.10	43.60	61.10	74	-12.90	Horizontal
11238.073	13.60	37.50	31.10	44.80	64.80	74	-9.20	Horizontal

Test mode:	802.11n(HT40)	Test channel:	Highest	Remark:	Average

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
3765.186	6.80	32.90	35.60	32.80	36.90	54	-17.10	Vertical
4904.000	7.60	34.60	35.20	32.50	39.50	54	-14.50	Vertical
6476.250	8.90	35.20	33.60	31.90	42.40	54	-11.60	Vertical
7356.000	10.00	35.60	33.90	32.40	44.10	54	-9.90	Vertical
9808.000	12.30	37.30	32.10	31.40	48.90	54	-5.10	Vertical
11238.073	13.60	37.50	31.10	30.50	50.50	54	-3.50	Vertical
3548.476	6.80	32.30	35.40	33.40	37.10	54	-16.90	Horizontal
4904.000	7.60	34.60	35.20	32.60	39.60	54	-14.40	Horizontal
6421.637	8.80	35.00	33.60	32.00	42.20	54	-11.80	Horizontal
7356.000	10.00	35.60	33.90	32.50	44.20	54	-9.80	Horizontal
9808.000	12.30	37.30	32.10	31.40	48.90	54	-5.10	Horizontal
11238.073	13.60	37.50	31.10	30.30	50.30	54	-3.70	Horizontal

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

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

2) Scan from 9kHz to 25GHz,The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

6.9 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205
Test Method:	ANSI C63.10 2013
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)
Limit:	

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
	74.0	Peak Value

Test Setup:

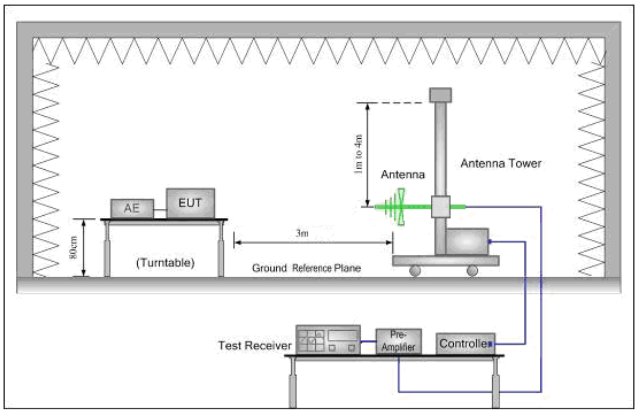


Figure 1. 30MHz to 1GHz

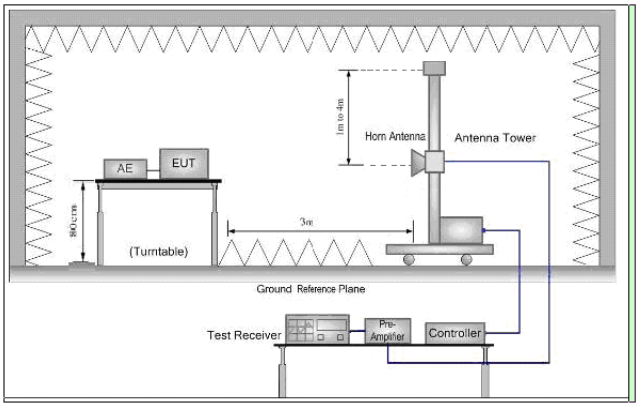
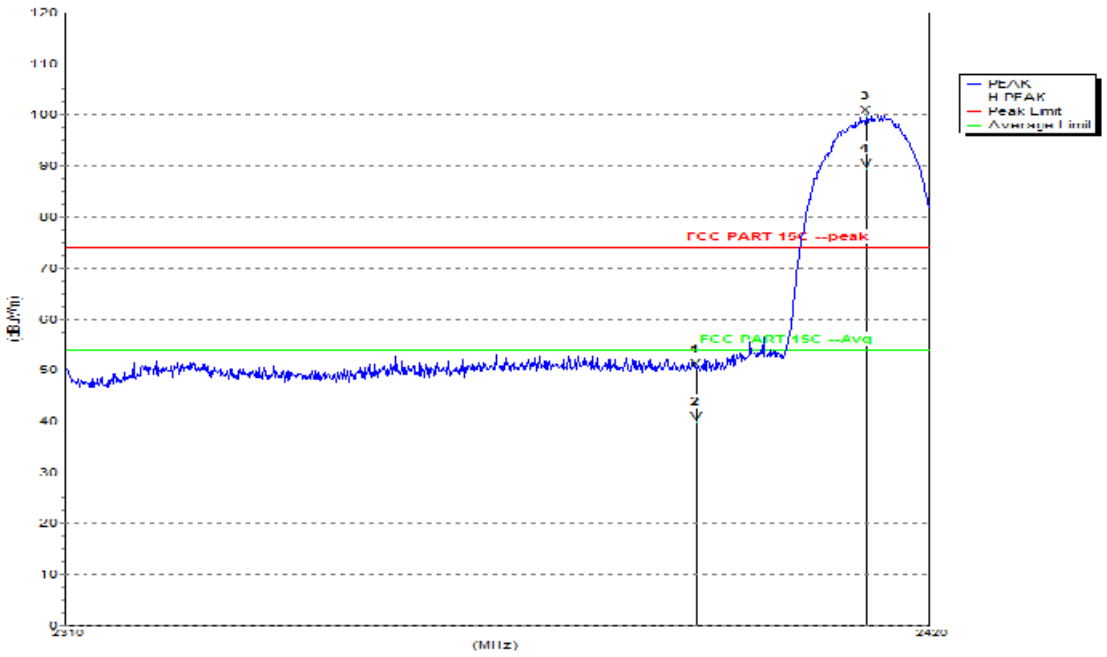


Figure 2. Above 1 GHz

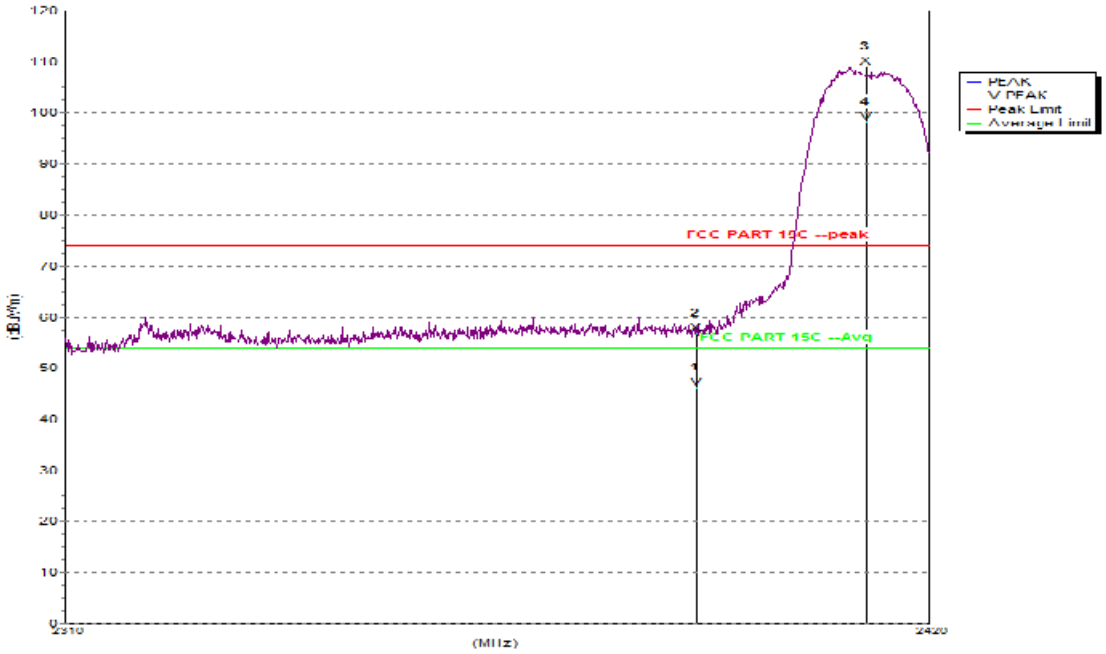
Test Procedure:	a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. 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. d. 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. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. 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. g. Test the EUT in the lowest channel , the Highest channel. h. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates. Transmitting mode, Wi-Fi 1 is on, Wi-Fi 2 is on, Both Wi-Fi is on.
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). Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details.
Test Results:	Pass

Test plot as follows:

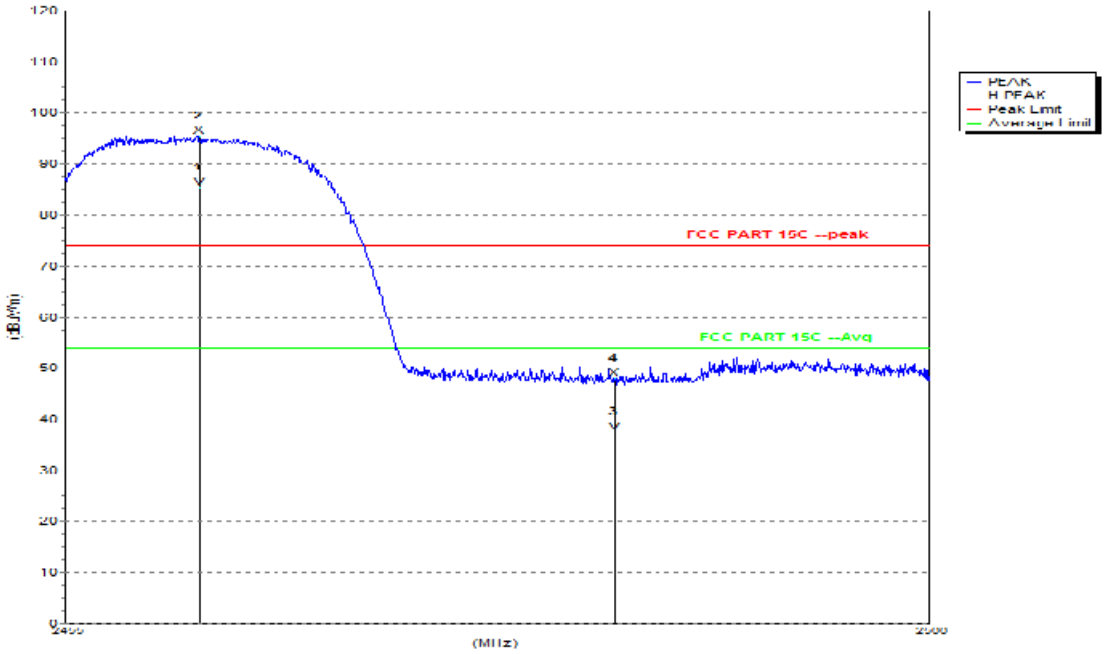
Wi-Fi 1



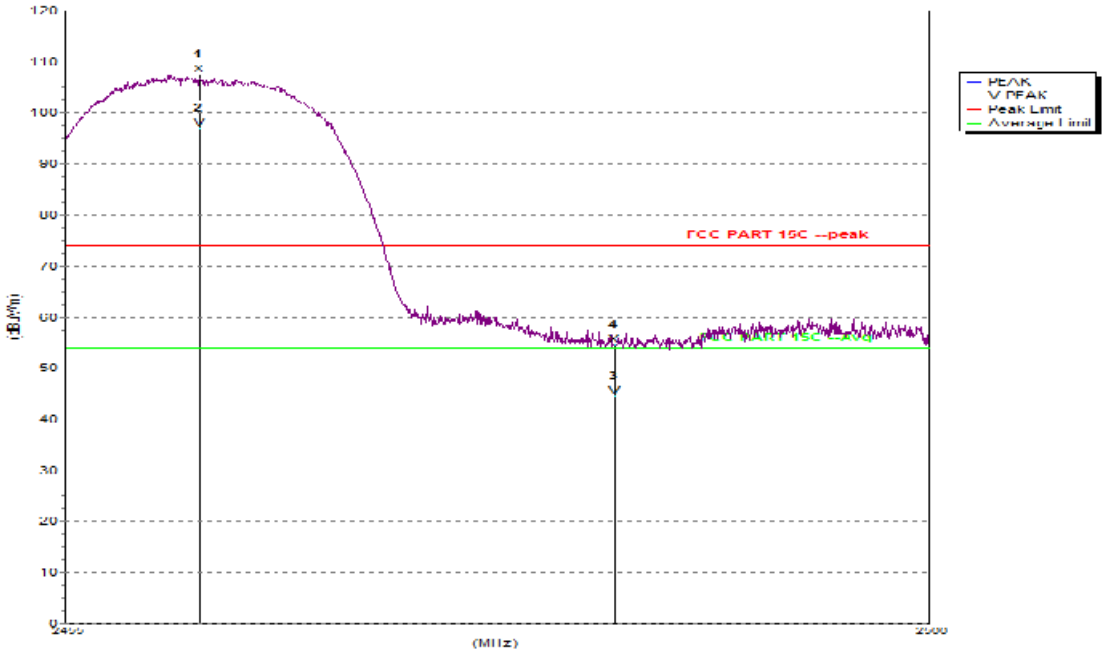
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	50.0	74.0	24.0	28.7	34.8	4.6	H
2 F	2412	99.8	74.0	-25.8	28.8	34.9	4.6	H
Avg								
1	2390	39.8	54.0	14.2	28.7	34.8	4.6	H
2 F	2412	89.5	54.0	-35.5	28.8	34.9	4.6	H



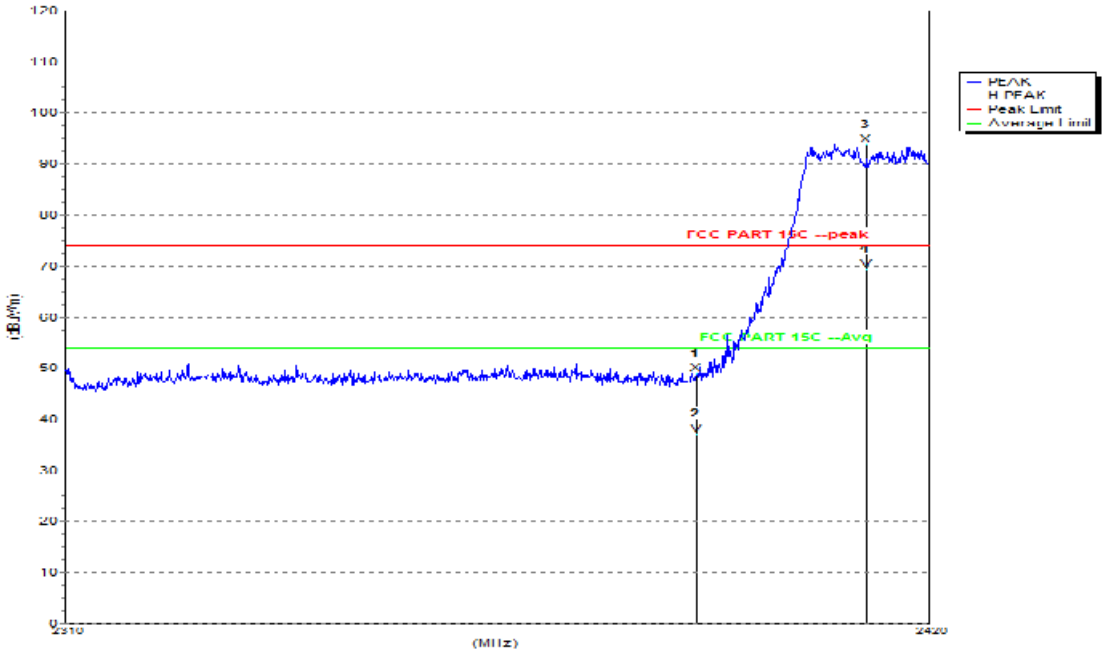
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	56.8	74.0	17.2	28.7	34.8	4.6	V
2 F	2412	109.0	74.0	-35.0	28.8	34.9	4.6	V
Avg								
1	2390	46.2	54.0	7.8	28.7	34.8	4.6	V
2 F	2412	98.2	54.0	-44.2	28.8	34.9	4.6	V



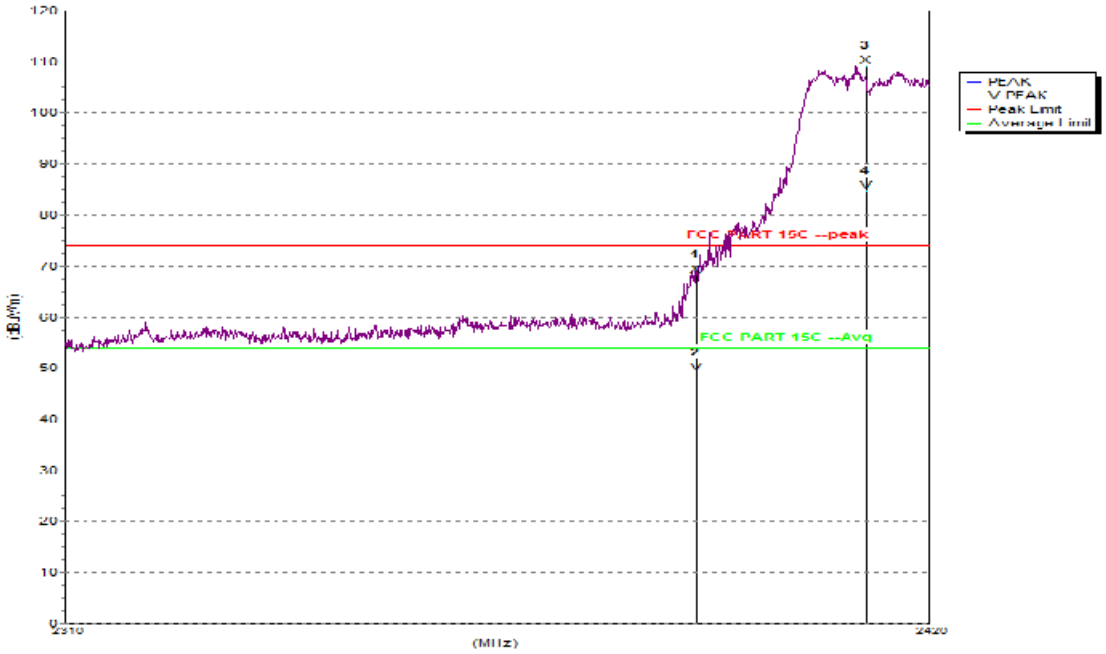
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	95.5	74.0	-21.5	29.2	35.0	4.6	H
2	2483.5	47.9	74.0	26.1	29.3	35.0	4.5	H
Avg								
1 F	2462	85.4	54.0	-31.4	29.2	35.0	4.6	H
2	2483.5	37.5	54.0	16.5	29.3	35.0	4.5	H



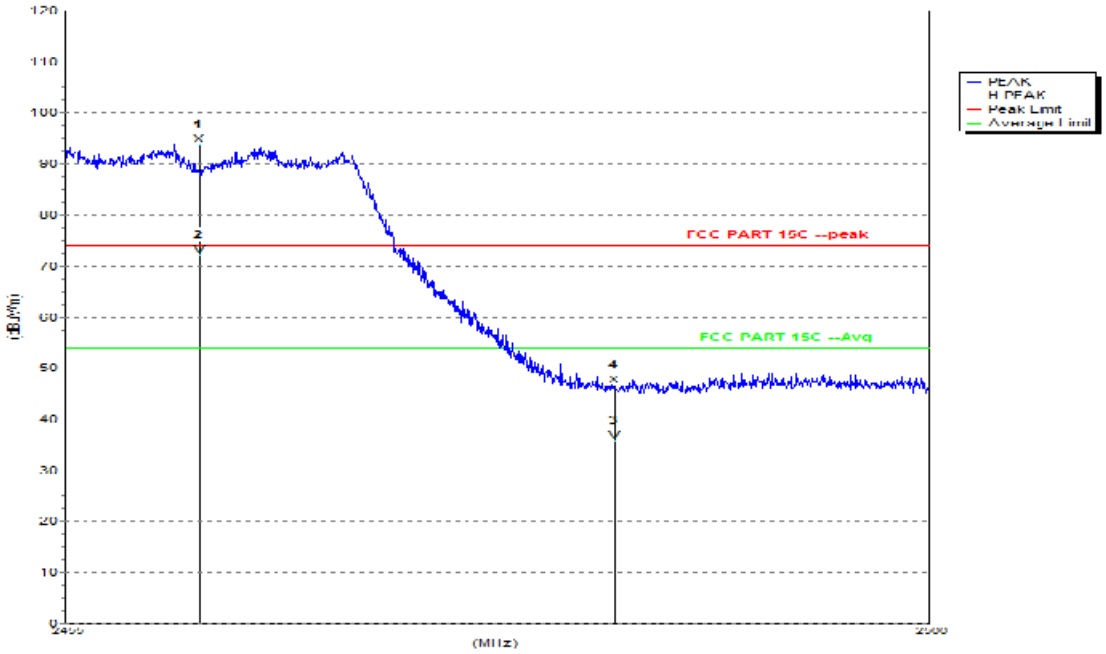
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	107.5	74.0	-33.5	29.2	35.0	4.6	V
2	2483.5	54.5	74.0	19.5	29.3	35.0	4.5	V
Avg								
1 F	2462	97.1	54.0	-43.1	29.2	35.0	4.6	V
2	2483.5	44.5	54.0	9.5	29.3	35.0	4.5	V



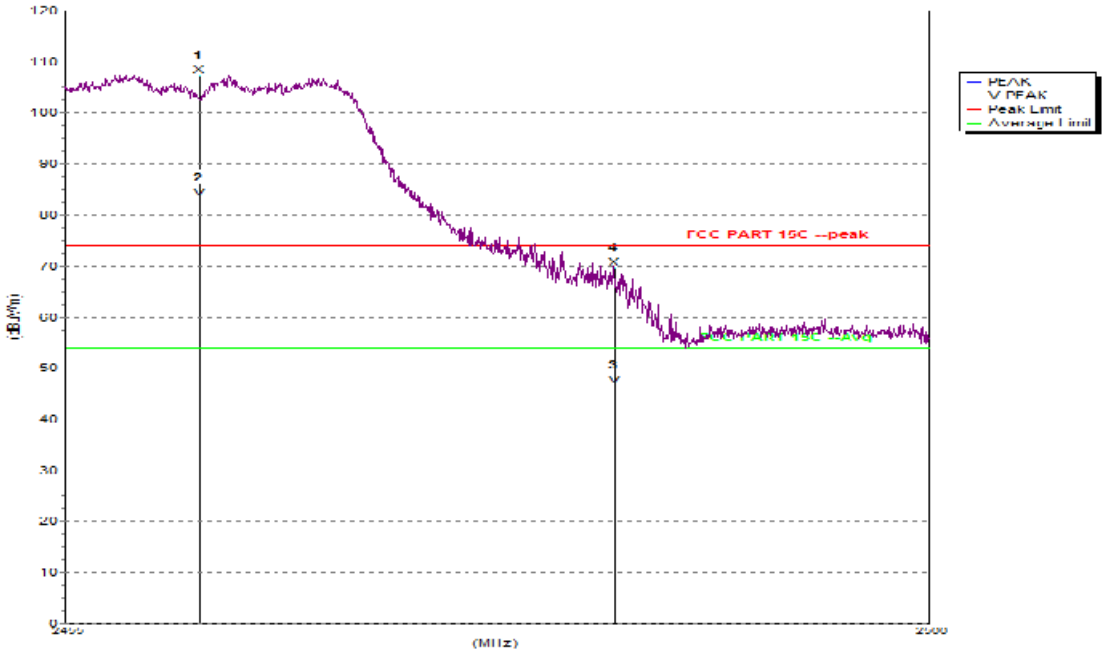
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	48.8	74.0	25.2	28.7	34.8	4.6	H
2 F	2412	93.7	74.0	-19.7	28.8	34.9	4.6	H
Avg								
1	2390	37.1	54.0	16.9	28.7	34.8	4.6	H
2 F	2412	69.3	54.0	-15.3	28.9	34.9	4.6	H



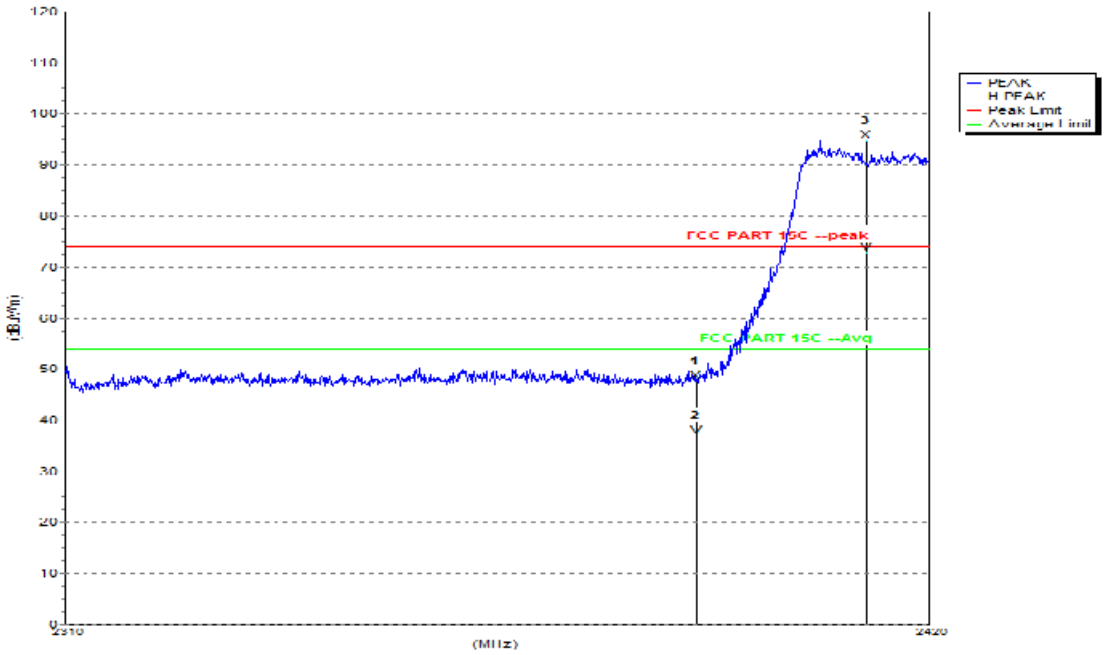
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	68.2	74.0	5.8	28.7	34.8	4.6	V
2 F	2412	109.2	74.0	-35.2	28.8	34.9	4.6	V
Avg								
1	2390	49.1	54.0	4.9	28.7	34.8	4.6	V
2 F	2412	84.6	54.0	-30.6	28.8	34.9	4.6	V



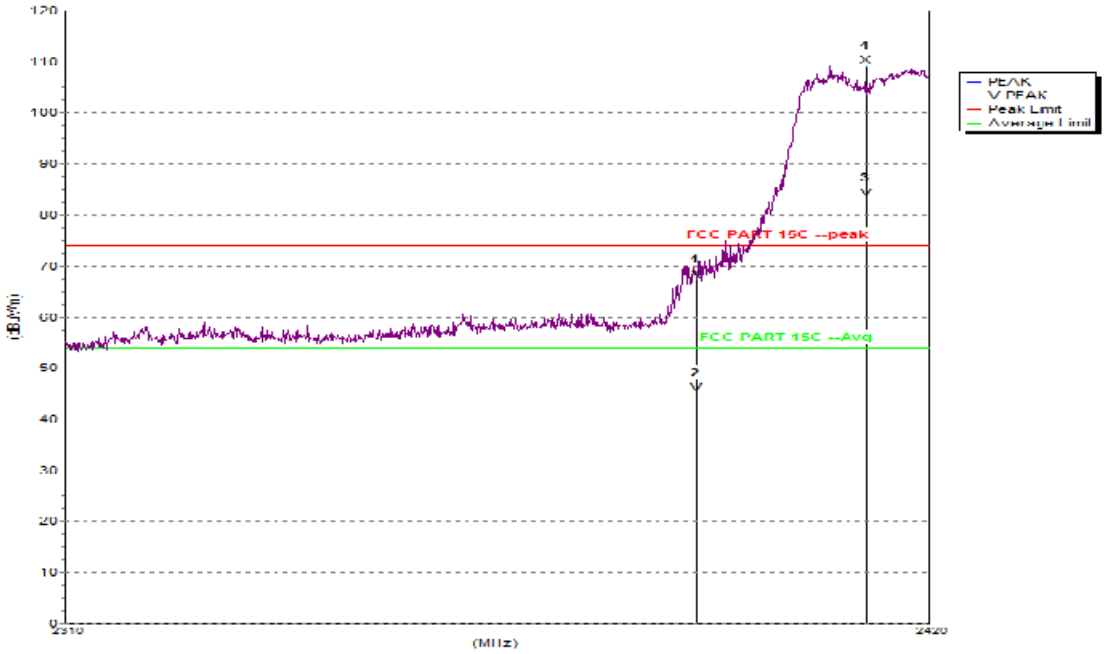
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	93.7	74.0	-19.7	29.2	35.0	4.6	H
2	2483.5	46.5	74.0	27.5	29.3	35.0	4.5	H
Avg								
1 F	2462	72.1	54.0	-18.1	29.2	35.0	4.6	H
2	2483.5	35.7	54.0	18.3	29.3	35.0	4.5	H



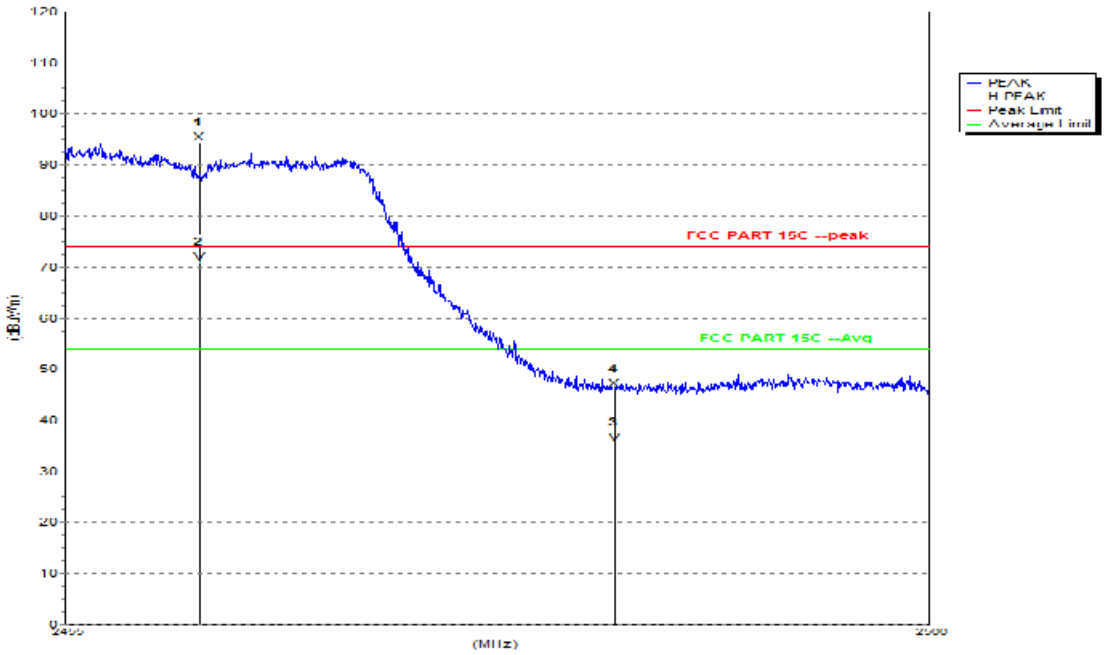
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	107.3	74.0	-33.3	29.2	35.0	4.6	V
2	2483.5	69.6	74.0	4.4	29.3	35.0	4.5	V
Avg								
1 F	2462	83.2	54.0	-29.2	29.2	35.0	4.6	V
2	2483.5	46.6	54.0	7.4	29.3	35.0	4.5	V



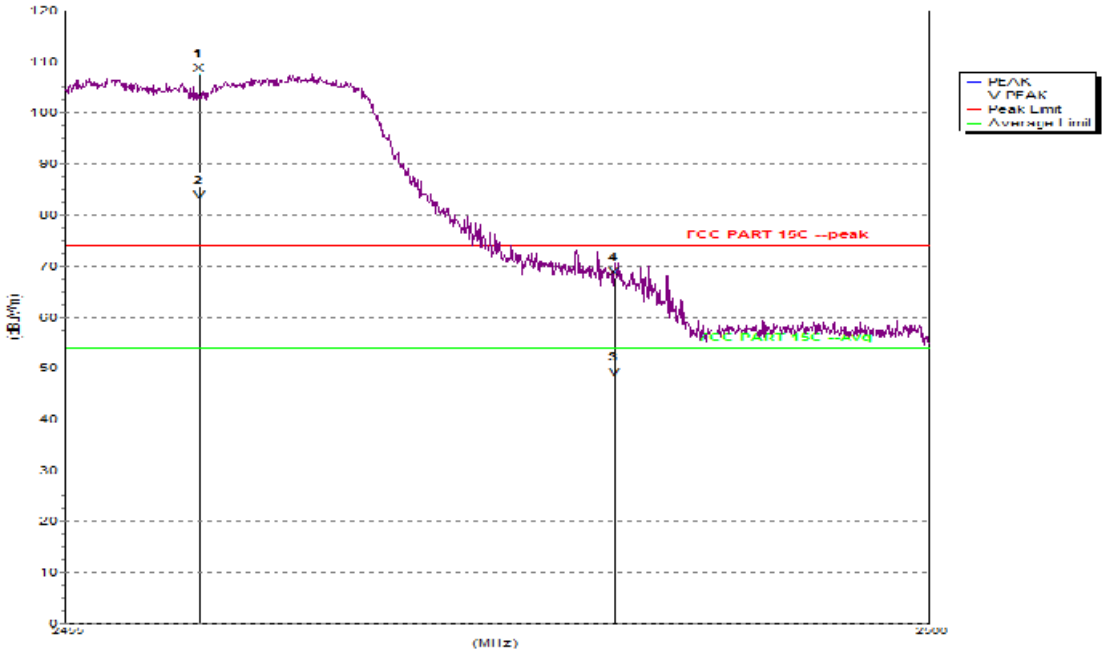
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	47.5	74.0	26.5	28.7	34.8	4.6	H
2 F	2412	94.6	74.0	-20.6	28.8	34.9	4.6	H
Avg								
1	2390	37.0	54.0	17.0	28.7	34.8	4.6	H
2 F	2412	72.8	54.0	-18.8	28.8	34.9	4.6	H



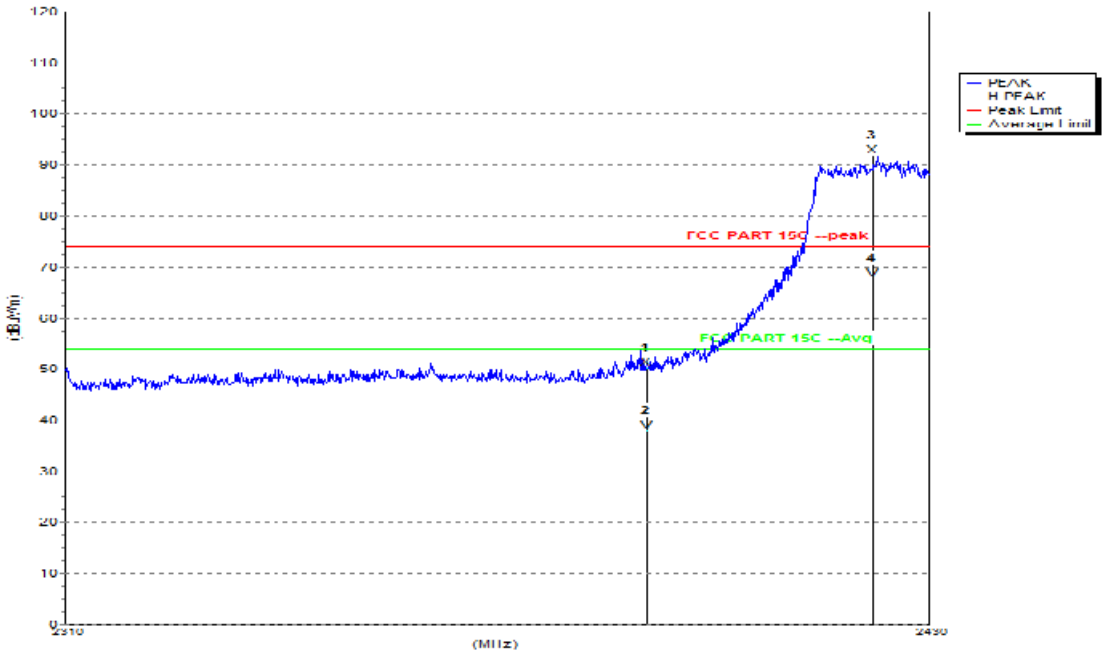
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	67.2	74.0	6.8	28.7	34.8	4.6	V
2 F	2412	109.1	74.0	-35.1	28.8	34.9	4.6	V
Avg								
1	2390	45.0	54.0	9.0	28.7	34.8	4.6	V
2 F	2412	83.3	54.0	-29.3	28.8	34.9	4.6	V



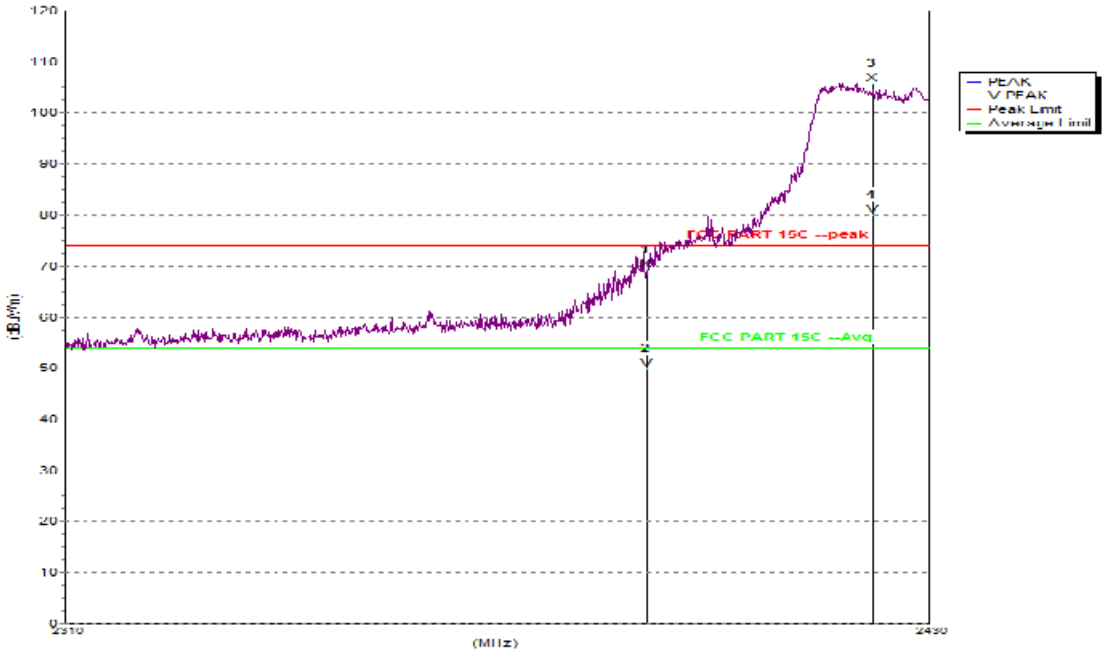
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	94.3	74.0	-20.3	29.2	35.0	4.6	H
2	2483.5	46.0	74.0	28.0	29.3	35.0	4.5	H
Avg								
1 F	2462	70.9	54.0	-16.9	29.2	35.0	4.6	H
2	2483.5	35.5	54.0	18.5	29.3	35.0	4.5	H



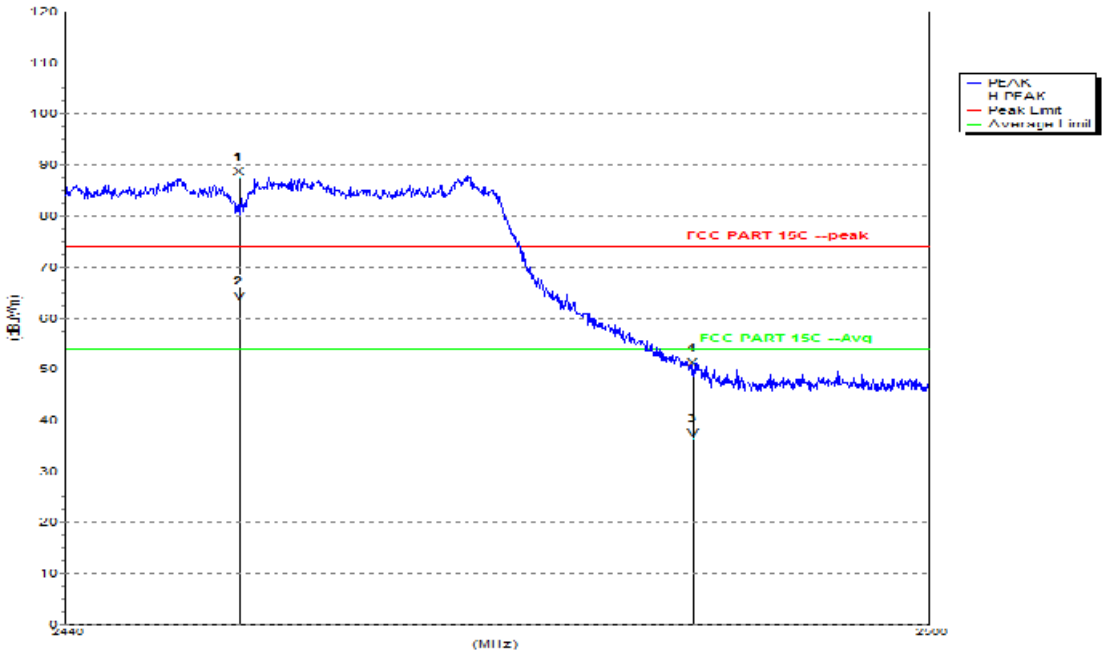
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	107.6	74.0	-33.6	29.2	35.0	4.6	V
2	2483.5	67.6	74.0	6.4	29.3	35.0	4.5	V
Avg								
1 F	2462	82.7	54.0	-28.7	29.2	35.0	4.6	V
2	2483.5	48.1	54.0	5.9	29.3	35.0	4.5	V



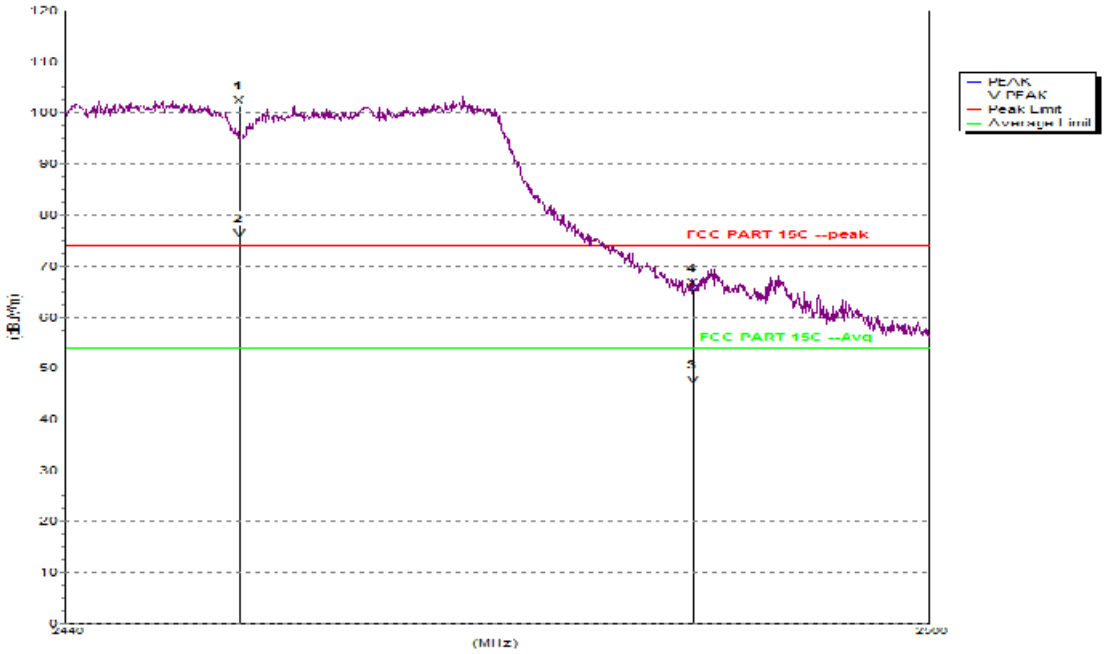
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	50.2	74.0	23.8	28.7	34.8	4.6	H
2 F	2422	91.7	74.0	-17.7	28.9	34.9	4.6	H
Avg								
1	2390	37.8	54.0	16.2	28.7	34.8	4.6	H
2 F	2422	67.6	54.0	-13.6	28.9	34.9	4.6	H



Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	69.3	74.0	4.7	28.7	34.8	4.6	V
2 F	2422	105.7	74.0	-31.7	28.9	34.9	4.6	V
Avg								
1	2390	49.8	54.0	4.2	28.7	34.8	4.6	V
2 F	2422	80.0	54.0	-26.0	28.9	34.9	4.6	V

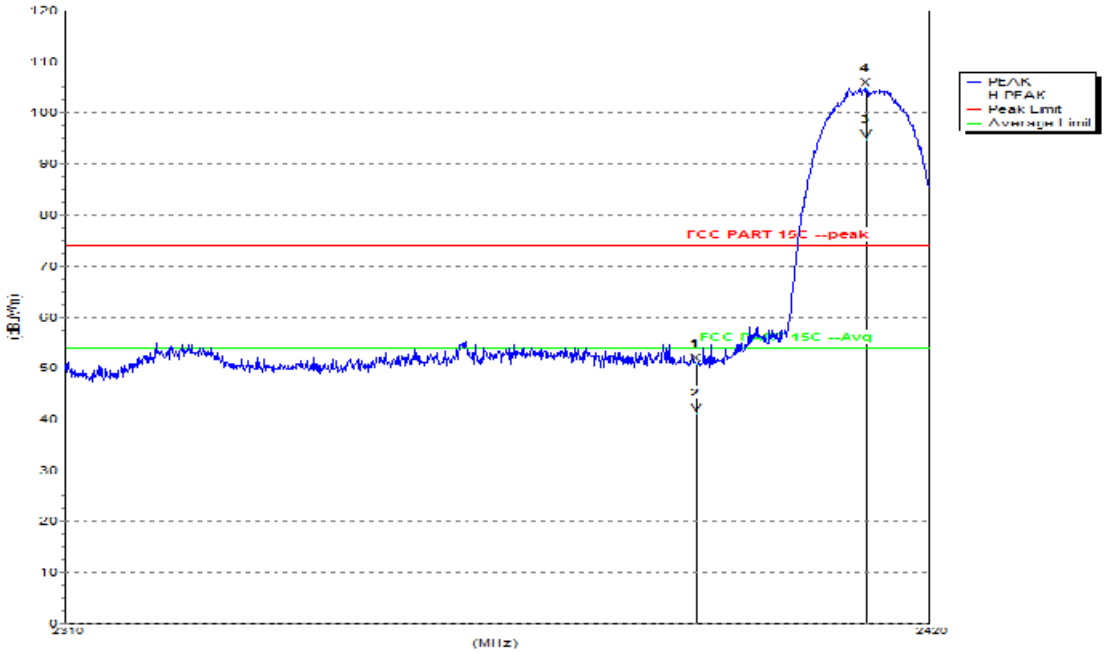


Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2452	87.6	74.0	-13.6	29.1	34.9	4.6	H
2	2483.5	50.1	74.0	23.9	29.3	35.0	4.5	H
Avg								
1 F	2452	63.2	54.0	-9.2	29.1	34.9	4.6	H
2	2483.5	36.3	54.0	17.7	29.3	35.0	4.5	H

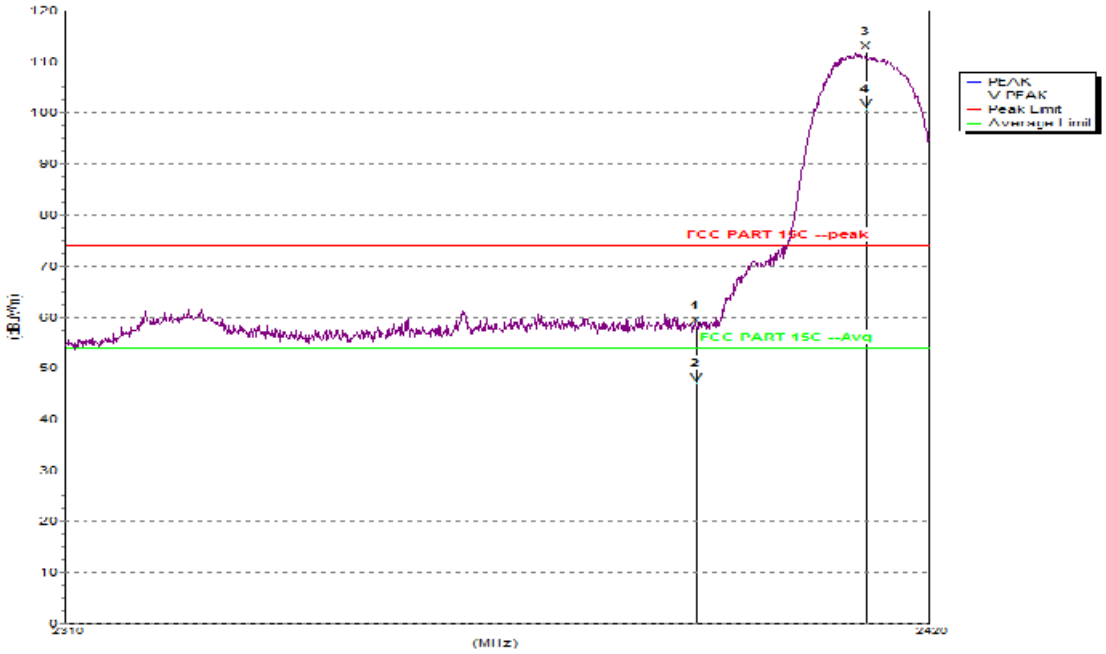


Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2452	101.2	74.0	-27.2	29.1	34.9	4.6	V
2	2483.5	65.5	74.0	8.5	29.3	35.0	4.5	V
Avg								
1 F	2452	75.1	54.0	-21.1	29.1	34.9	4.6	V
2	2483.5	46.5	54.0	7.5	29.3	35.0	4.5	V

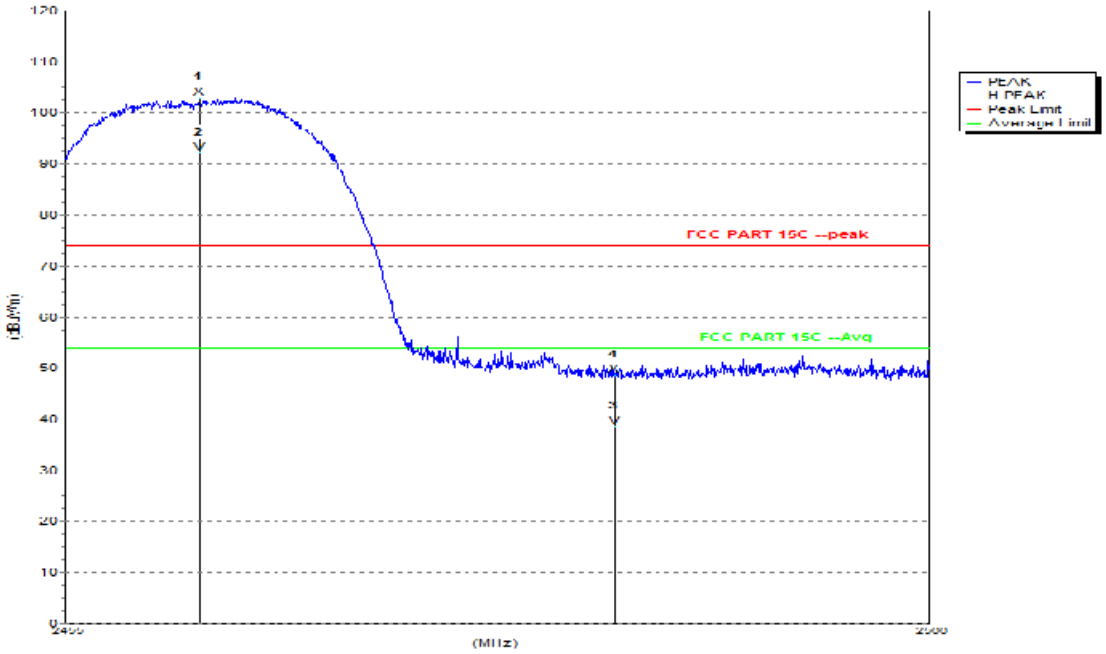
Wi-Fi 2



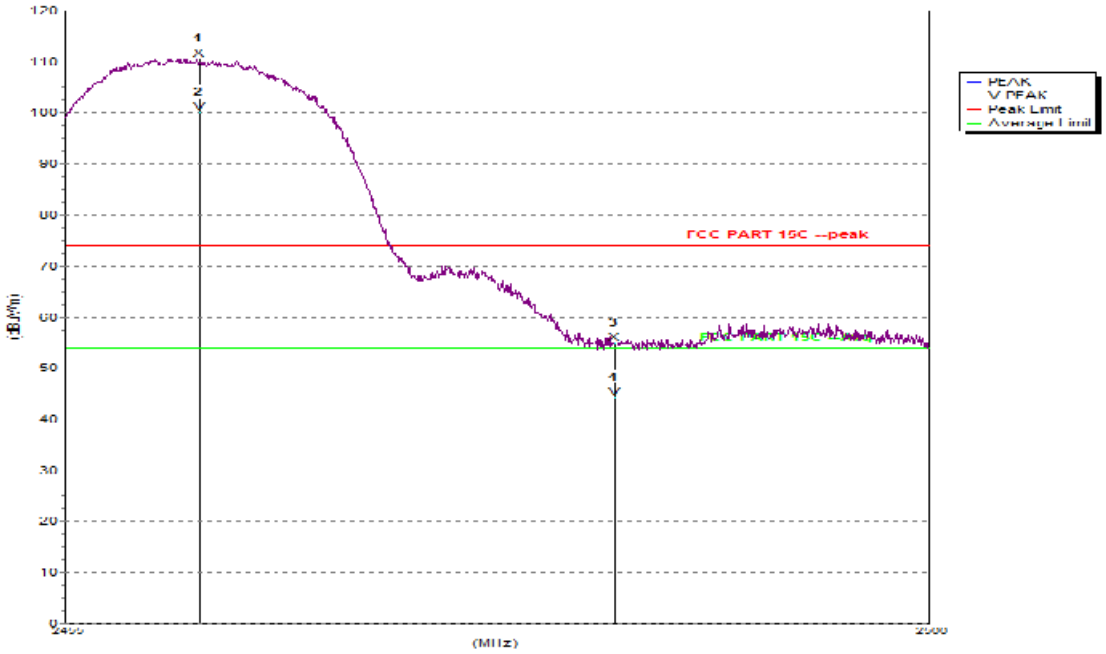
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	50.9	74.0	23.1	28.7	34.8	4.6	H
2 F	2412	104.8	74.0	-30.8	28.8	34.9	4.6	H
Avg								
1	2390	41.1	54.0	12.9	28.7	34.8	4.6	H
2 F	2412	94.6	54.0	-40.6	28.8	34.9	4.6	H



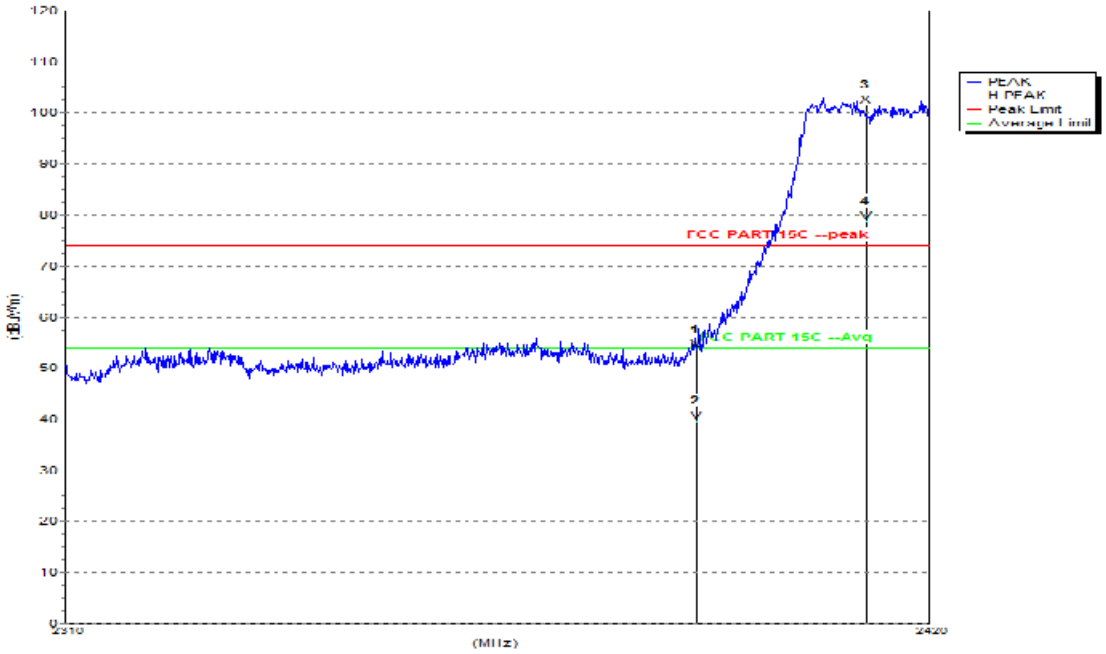
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	58.1	74.0	15.9	28.7	34.8	4.6	V
2 F	2412	111.8	74.0	-37.8	28.8	34.9	4.6	V
Avg								
1	2390	46.9	54.0	7.1	28.7	34.8	4.6	V
2 F	2412	100.6	54.0	-46.6	28.8	34.9	4.6	V



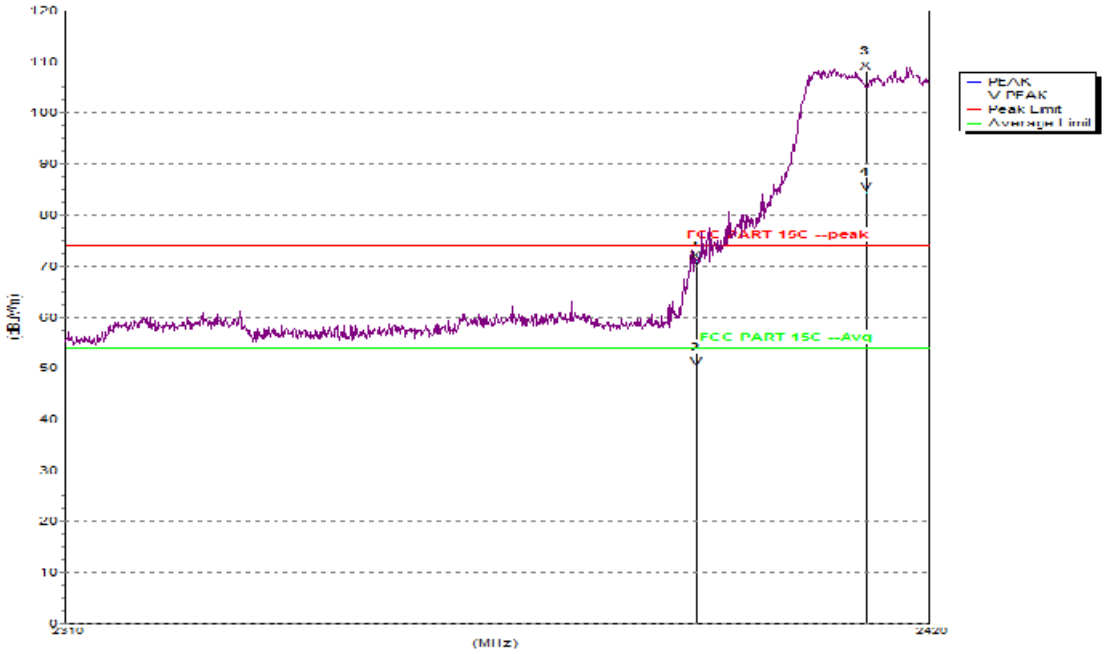
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	102.9	74.0	-28.9	29.2	35.0	4.6	H
2	2483.5	48.7	74.0	25.3	29.3	35.0	4.5	H
Avg								
1 F	2462	92.1	54.0	-38.1	29.2	35.0	4.6	H
2	2483.5	38.7	54.0	15.3	29.3	35.0	4.5	H



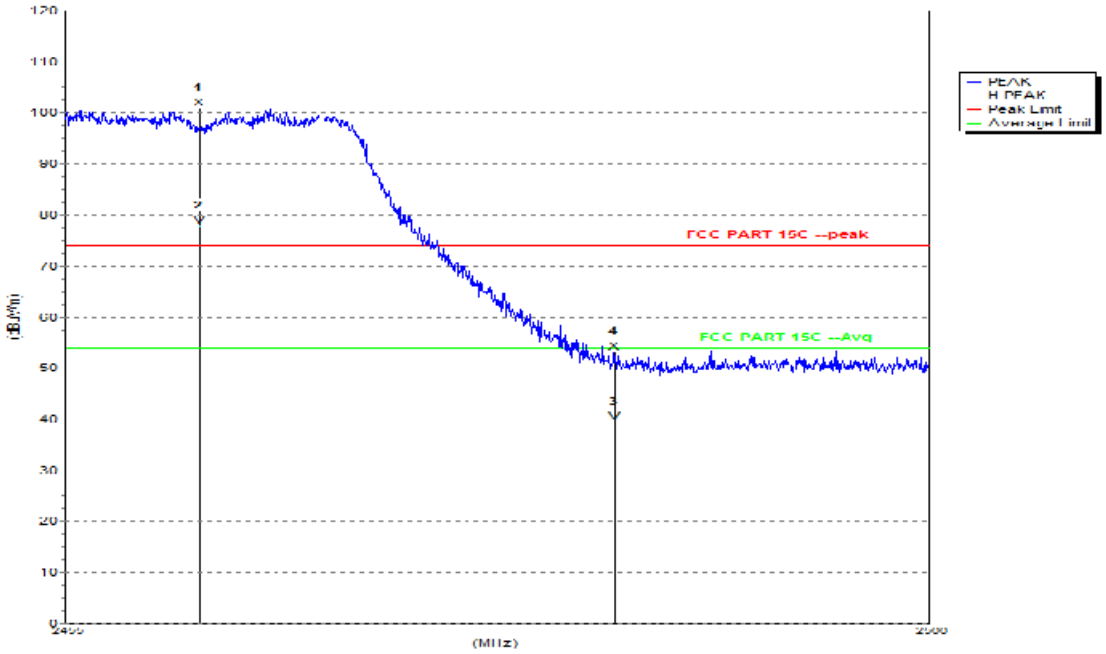
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	110.5	74.0	-36.5	29.2	35.0	4.6	V
2	2483.5	54.8	74.0	19.2	29.3	35.0	4.5	V
Avg								
1 F	2462	100.1	54.0	-46.1	29.2	35.0	4.6	V
2	2483.5	44.2	54.0	9.8	29.3	35.0	4.5	V



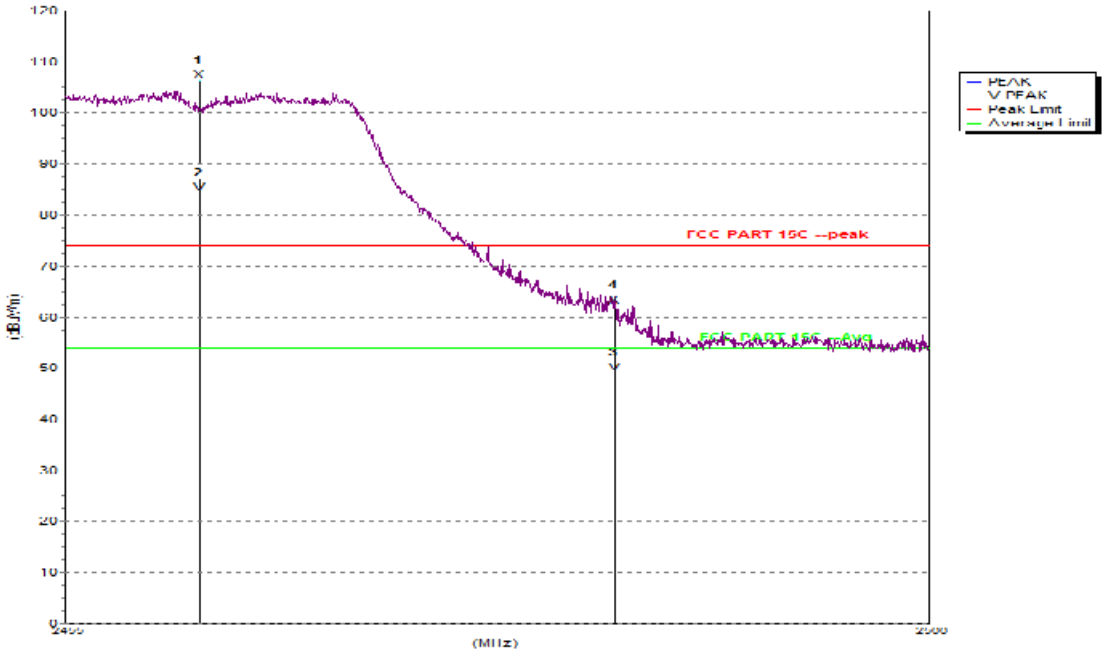
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	53.5	74.0	20.5	28.8	34.8	4.6	H
2 F	2412	101.5	74.0	-27.5	28.9	34.9	4.6	H
Avg								
1	2390	39.6	54.0	14.4	28.8	34.8	4.6	H
2 F	2412	78.6	54.0	-24.6	28.9	34.9	4.6	H



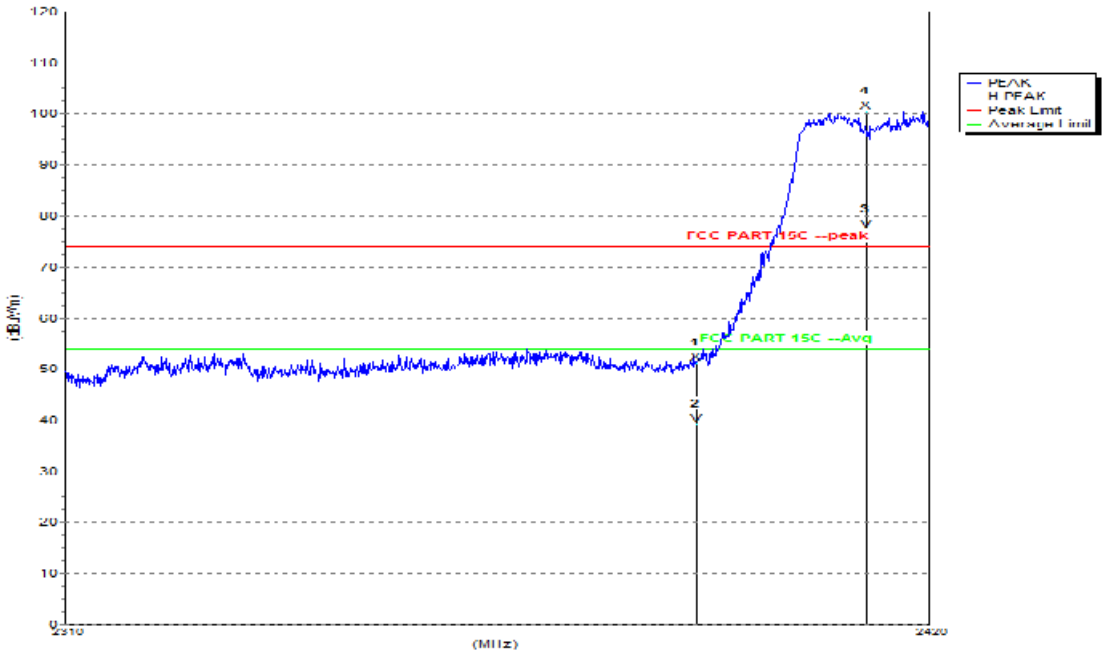
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	70.9	74.0	3.1	28.7	34.8	4.6	V
2 F	2412	108.0	74.0	-34.0	28.8	34.9	4.6	V
Avg								
1	2390	50.1	54.0	3.9	28.7	34.8	4.6	V
2 F	2412	84.4	54.0	-30.4	28.8	34.9	4.6	V



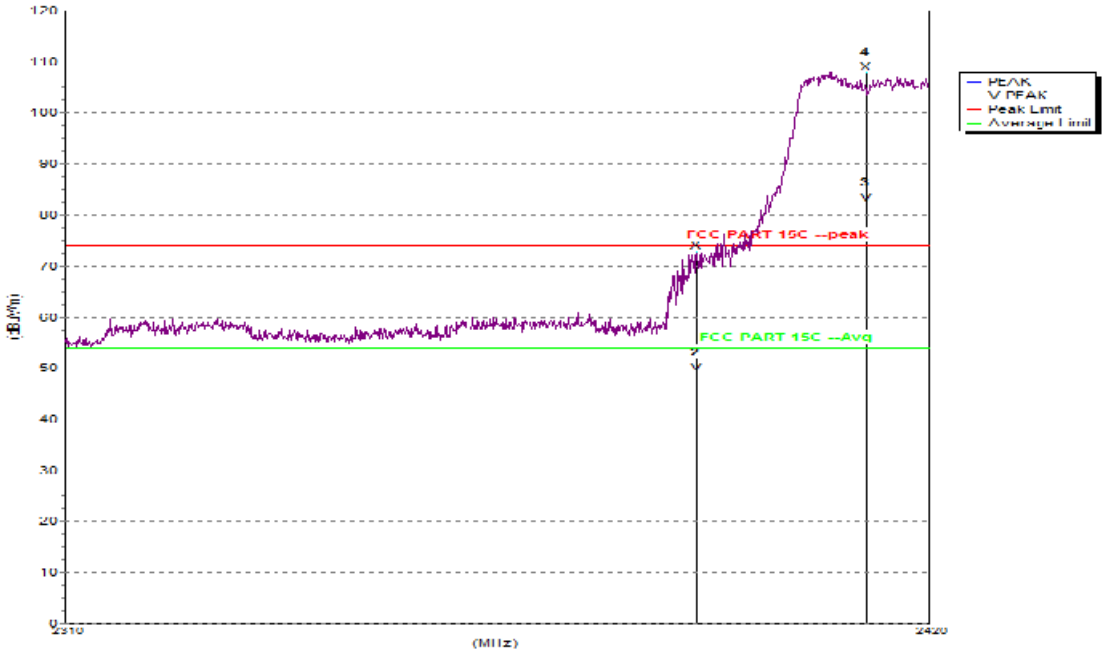
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	100.9	74.0	-26.9	29.2	35.0	4.6	H
2	2483.5	53.2	74.0	20.8	29.3	35.0	4.5	H
Avg								
1 F	2462	77.8	54.0	-23.8	29.2	35.0	4.6	H
2	2483.5	39.4	54.0	14.6	29.3	35.0	4.5	H



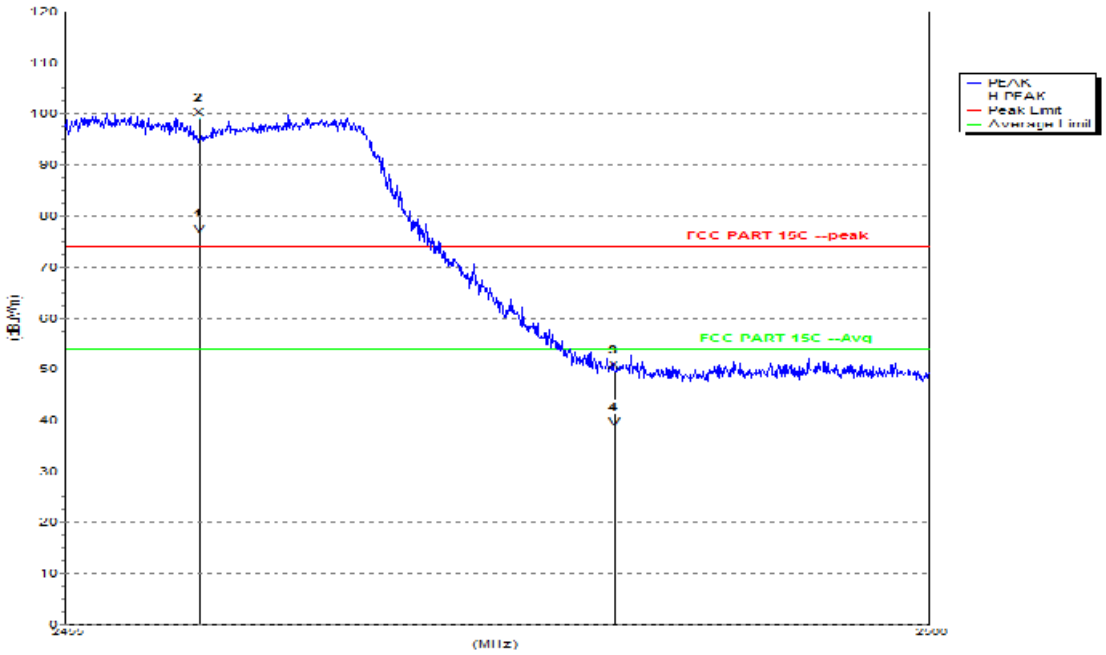
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	106.3	74.0	-32.3	29.2	35.0	4.6	V
2	2483.5	62.2	74.0	11.8	29.3	35.0	4.5	V
Avg								
1 F	2462	84.3	54.0	-30.3	29.2	35.0	4.6	V
2	2483.5	49.1	54.0	4.9	29.3	35.0	4.5	V



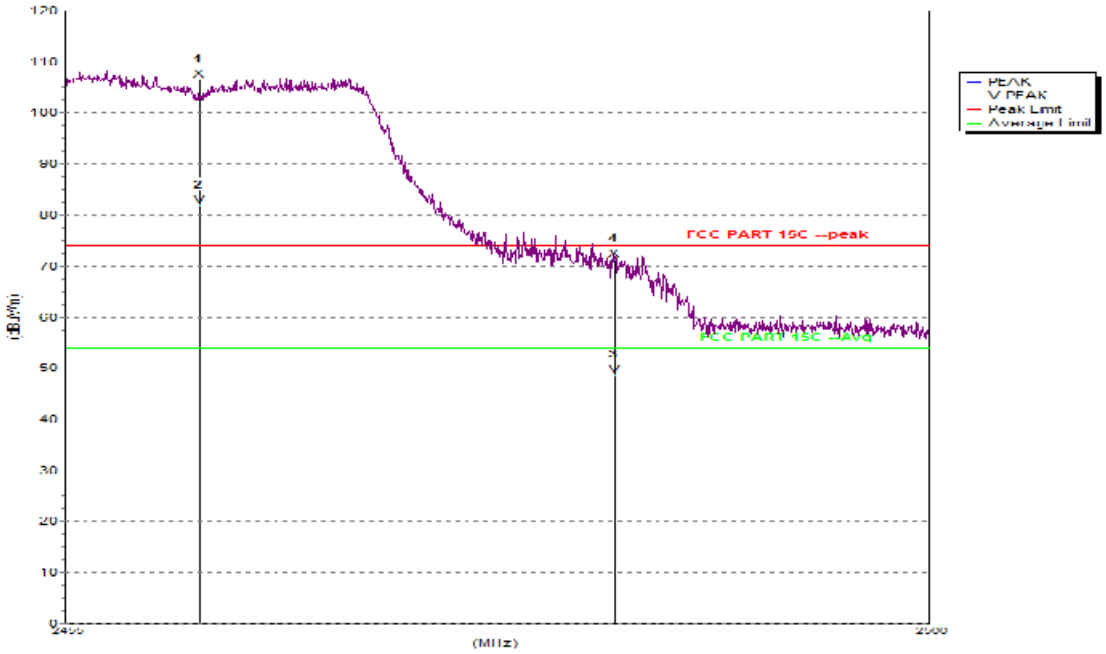
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	51.3	74.0	22.7	28.7	34.8	4.6	H
2 F	2412	100.5	74.0	-26.5	28.8	34.9	4.6	H
Avg								
1	2390	39.3	54.0	14.7	28.7	34.8	4.6	H
2 F	2412	77.3	54.0	-23.3	28.8	34.9	4.6	H



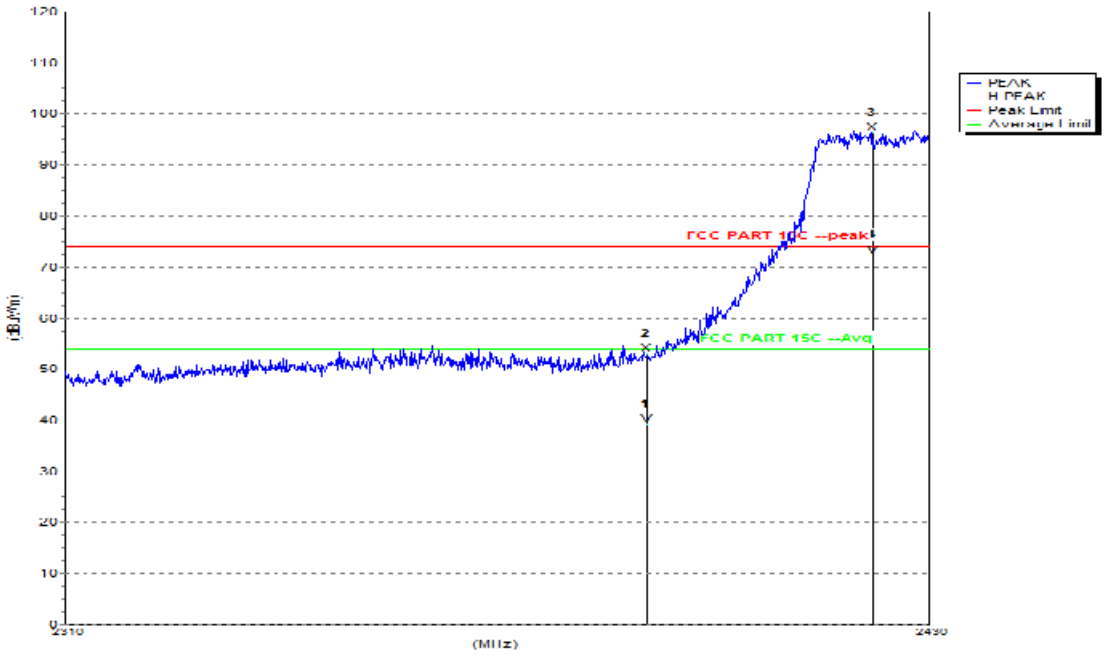
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	72.8	74.0	1.2	28.7	34.8	4.6	V
2 F	2412	107.9	74.0	-33.9	28.8	34.9	4.6	V
Avg								
1	2390	49.0	54.0	5.0	28.7	34.8	4.6	V
2 F	2412	82.4	54.0	-28.4	28.8	34.9	4.6	V



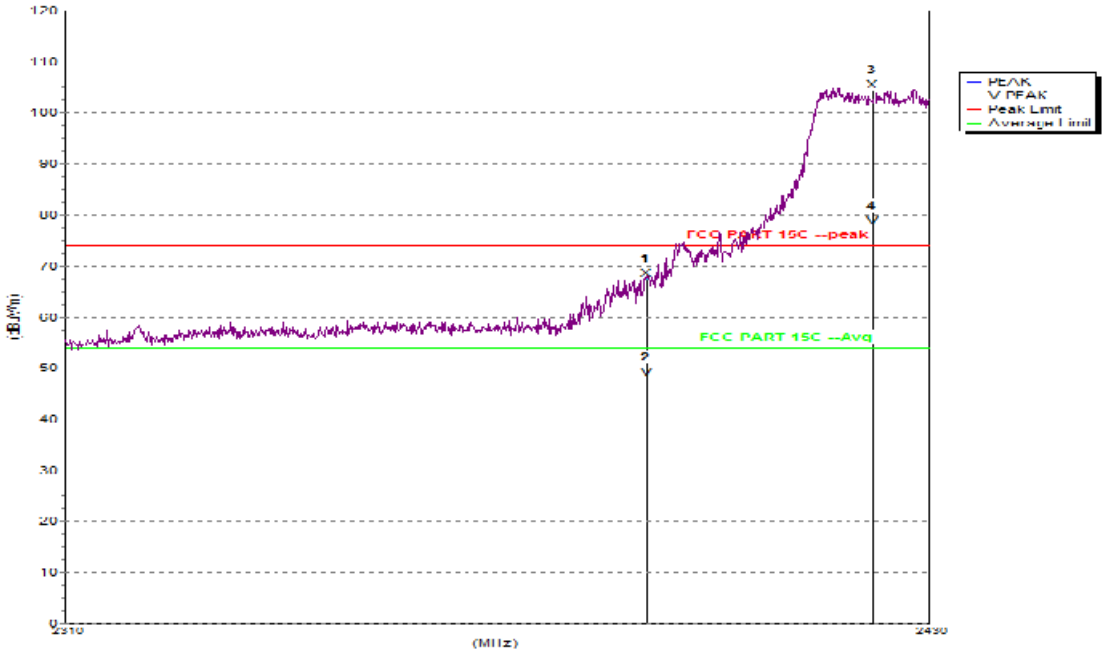
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	99.1	74.0	-25.1	29.2	35.0	4.6	H
2	2483.5	49.7	74.0	24.3	29.3	35.0	4.5	H
Avg								
1 F	2462	76.4	54.0	-22.4	29.2	35.0	4.6	H
2	2483.5	38.5	54.0	15.5	29.3	35.0	4.5	H



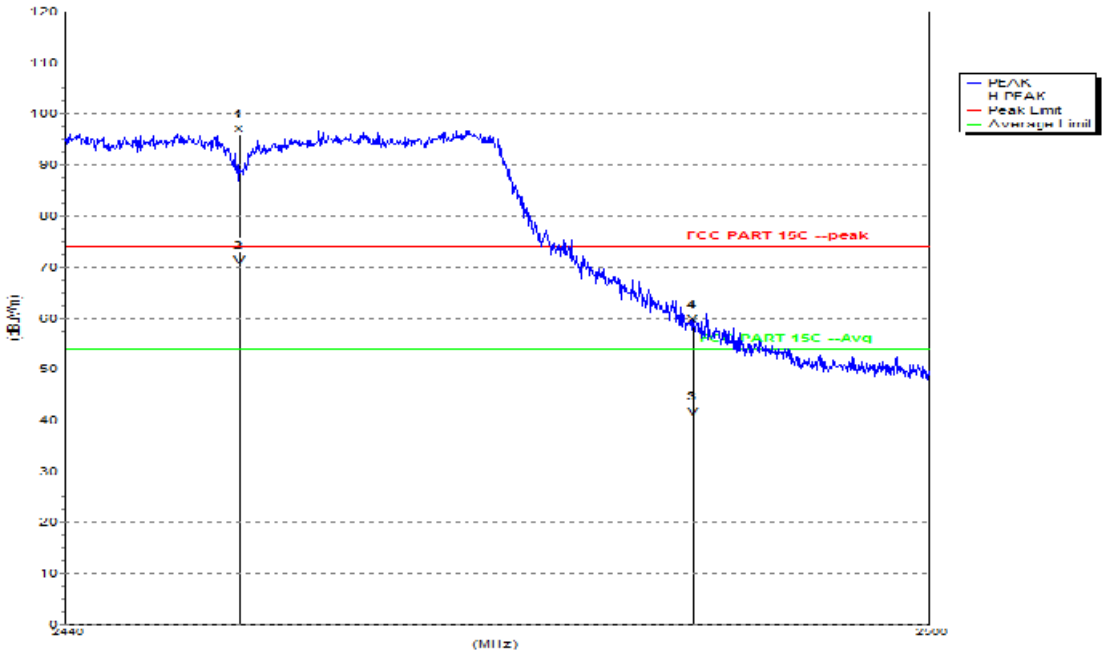
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	106.4	74.0	-32.4	29.2	35.0	4.6	V
2	2483.5	71.3	74.0	2.7	29.3	35.0	4.5	V
Avg								
1 F	2462	81.9	54.0	-27.9	29.2	35.0	4.6	V
2	2483.5	48.6	54.0	5.4	29.3	35.0	4.5	V



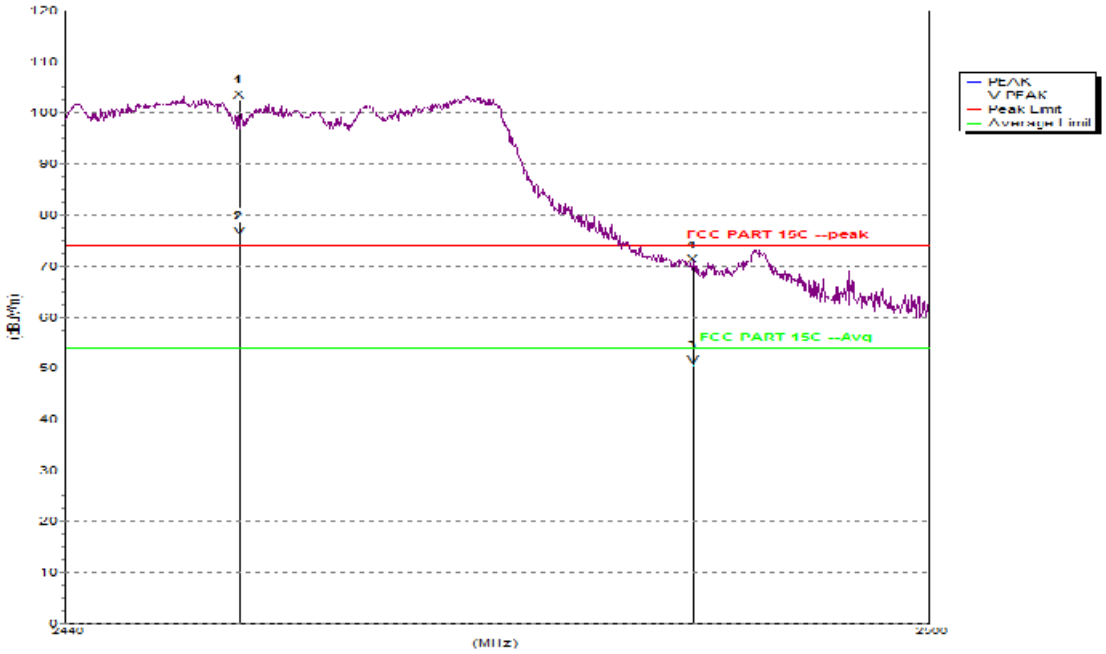
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	53.0	74.0	21.0	28.7	34.8	4.6	H
2 F	2422	96.2	74.0	-22.2	28.9	34.9	4.6	H
Avg								
1	2390	39.3	54.0	14.7	28.7	34.8	4.6	H
2 F	2422	72.3	54.0	-18.3	28.9	34.9	4.6	H



Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	67.4	74.0	6.6	28.7	34.8	4.6	V
2 F	2422	104.4	74.0	-30.4	28.9	34.9	4.6	V
Avg								
1	2390	48.1	54.0	5.9	28.7	34.8	4.6	V
2 F	2422	77.6	54.0	-23.6	28.9	34.9	4.6	V

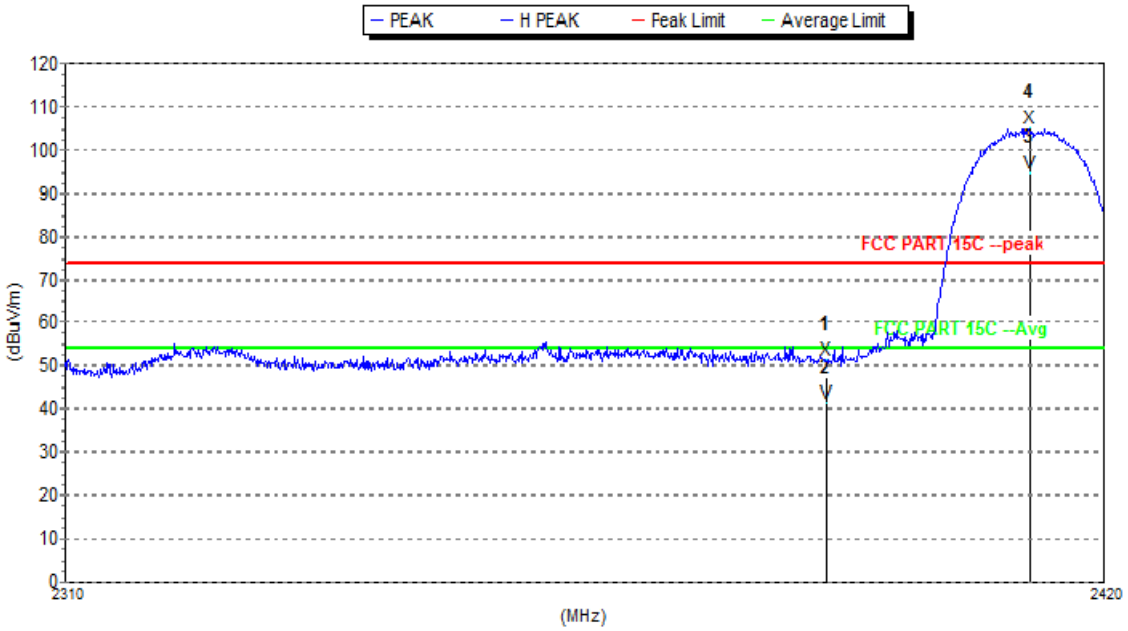


Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2452	95.9	74.0	-21.9	29.1	34.9	4.6	H
2	2483.5	58.6	74.0	15.4	29.3	35.0	4.5	H
Avg								
1 F	2452	70.1	54.0	-16.1	29.1	34.9	4.6	H
2	2483.5	40.6	54.0	13.4	29.3	35.0	4.5	H

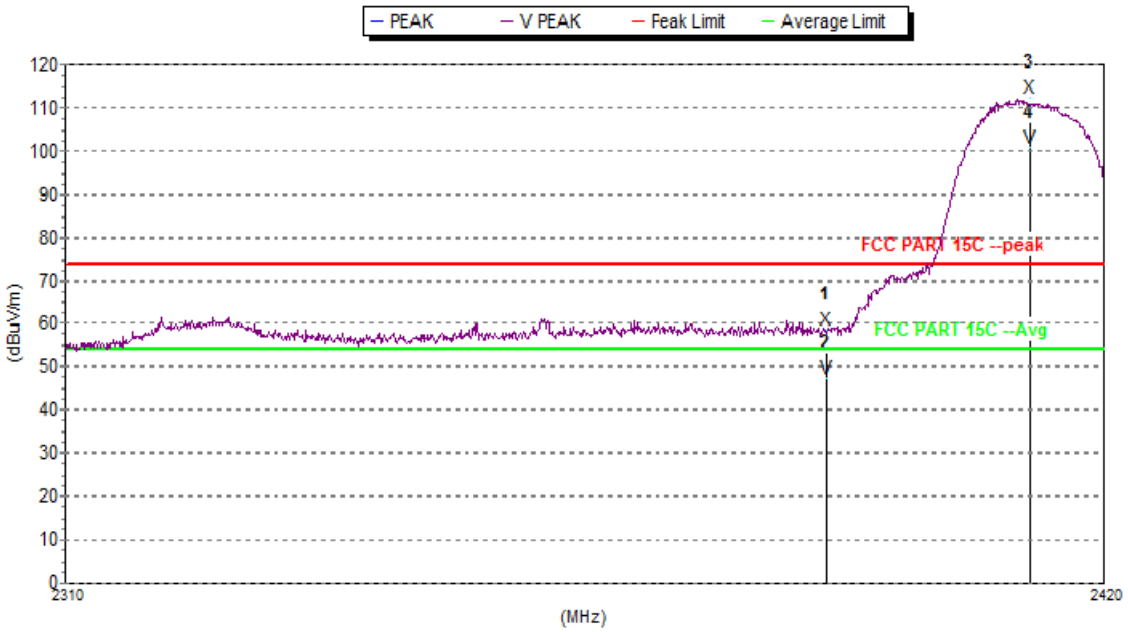


Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2452	102.5	74.0	-28.5	29.1	34.9	4.6	V
2	2483.5	70.1	74.0	3.9	29.3	35.0	4.5	V
Avg								
1 F	2452	75.7	54.0	-21.7	29.1	34.9	4.6	V
2	2483.5	50.4	54.0	3.6	29.3	35.0	4.5	V

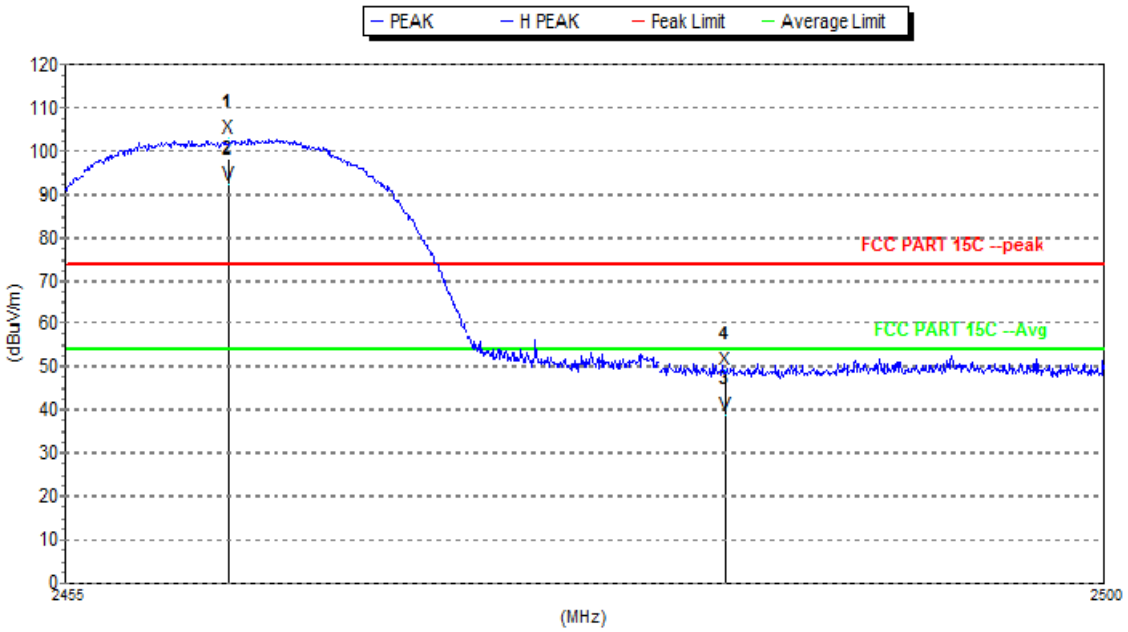
Wi-Fi 1 + Wi-Fi 2



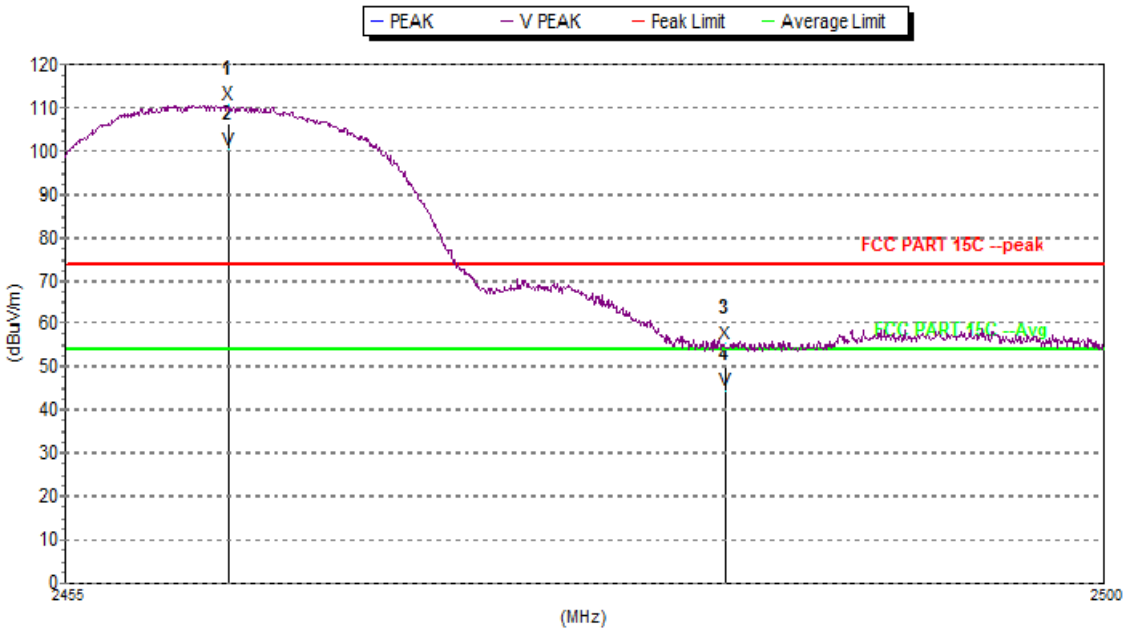
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	51.3	74.0	22.7	28.8	34.8	4.6	H
2 F	2412	105.2	74.0	-31.2	28.9	34.9	4.6	H
Avg								
1	2390	41.5	54.0	12.5	28.8	34.8	4.6	H
2 F	2412	94.9	54.0	-40.9	28.9	34.9	4.6	H



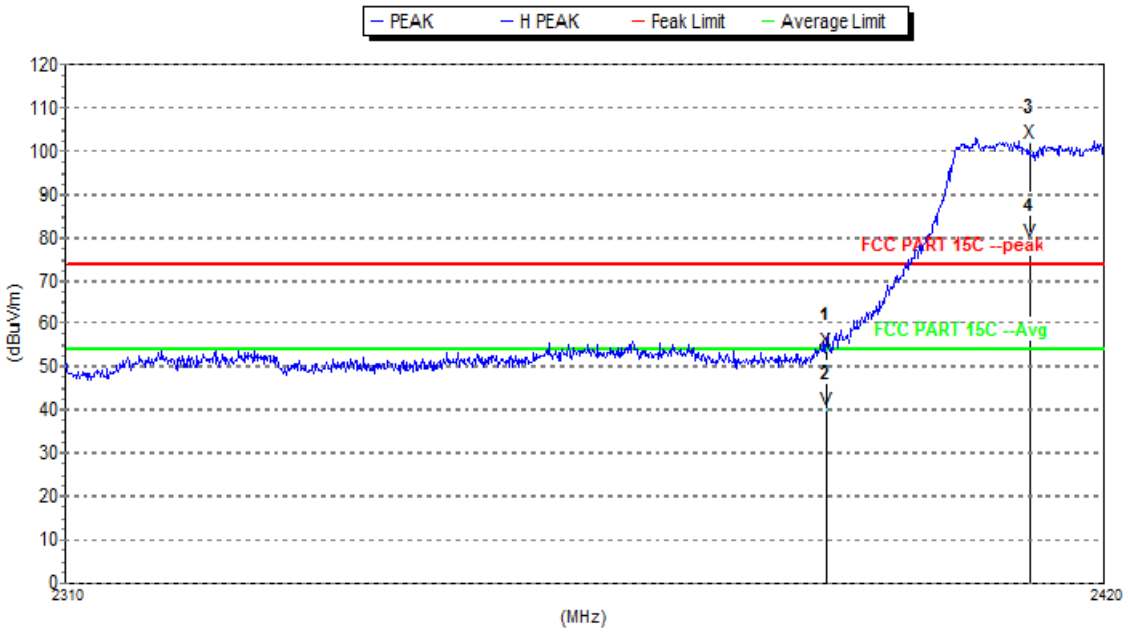
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	58.4	74.0	15.6	28.8	34.8	4.6	V
2 F	2412	112.3	74.0	-38.3	28.9	34.9	4.6	V
Avg								
1	2390	47.5	54.0	6.5	28.8	34.8	4.6	V
2 F	2412	100.9	54.0	-46.9	28.9	34.9	4.6	V



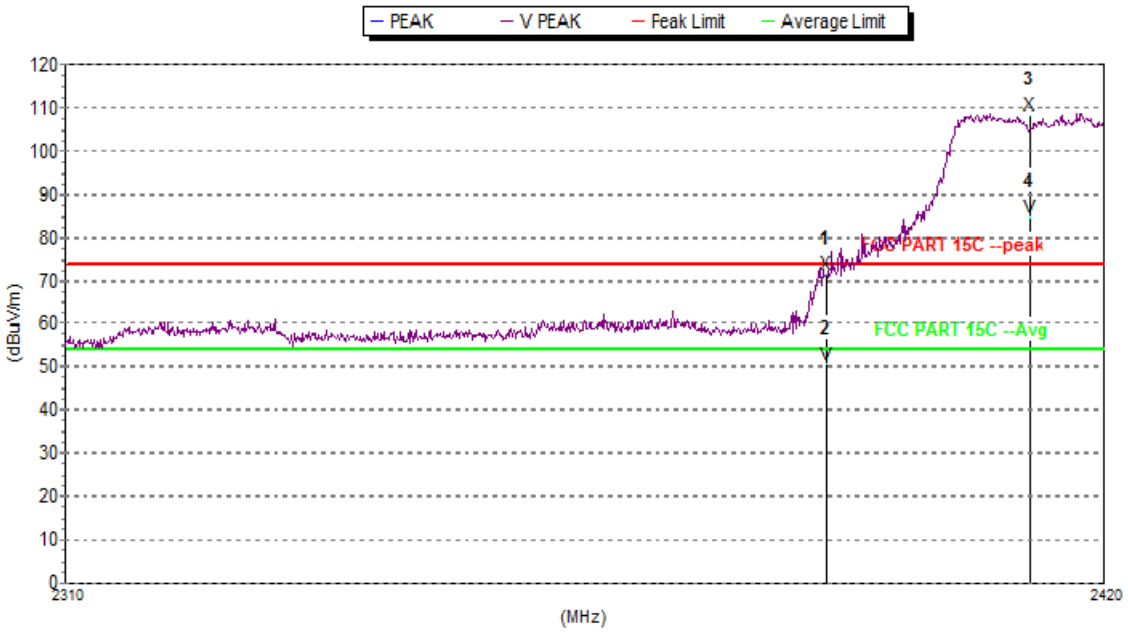
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	103.3	74.0	-29.3	29.2	34.9	4.5	H
2	2483.5	49.2	74.0	24.8	29.3	35.0	4.5	H
Avg								
1 F	2462	92.5	54.0	-38.5	29.2	34.9	4.5	H
2	2483.5	39.1	54.0	14.9	29.3	35.0	4.5	H



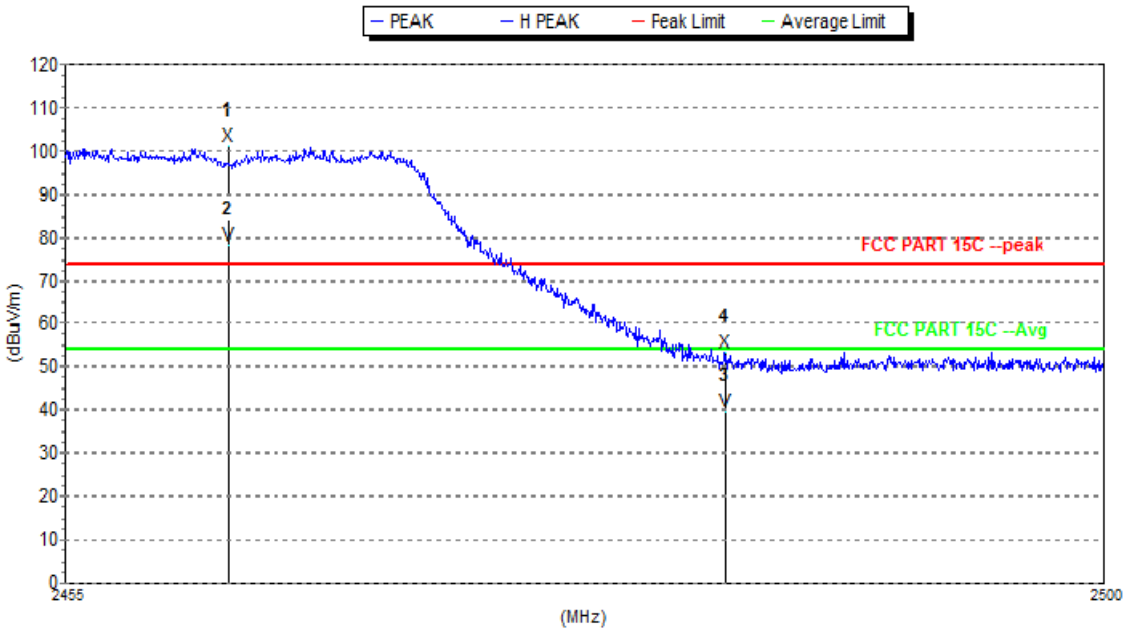
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	110.9	74.0	-36.9	29.2	34.9	4.5	V
2	2483.5	55.2	74.0	18.8	29.3	35.0	4.5	V
Avg								
1 F	2462	100.5	54.0	-46.5	29.2	34.9	4.5	V
2	2483.5	44.7	54.0	9.3	29.3	35.0	4.5	V



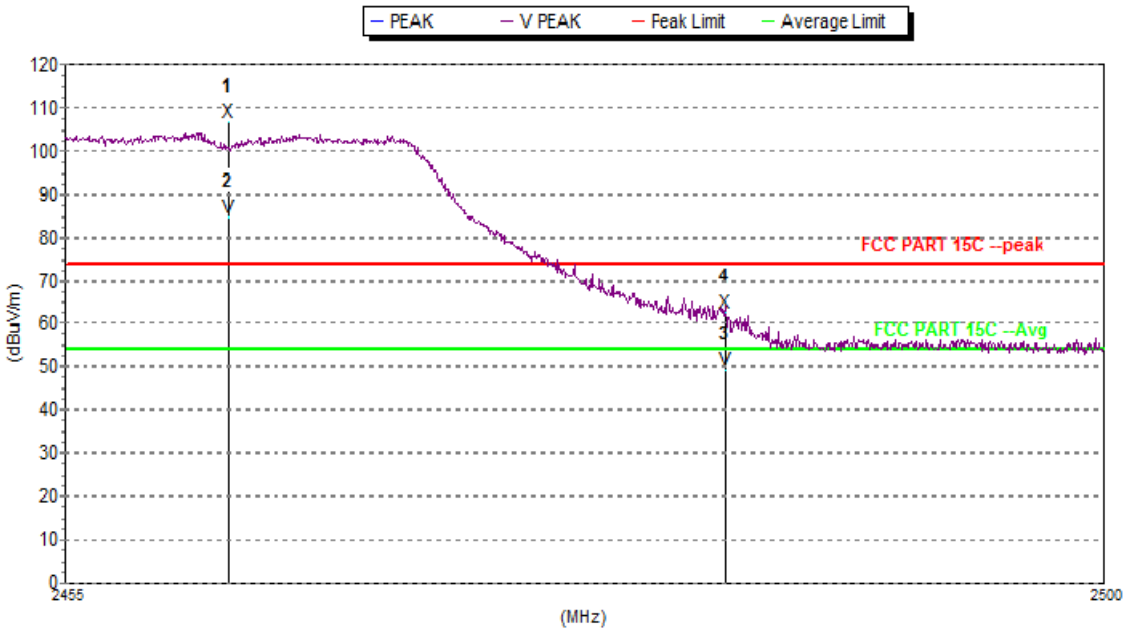
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	53.9	74.0	20.1	28.8	34.8	4.6	H
2 F	2412	101.9	74.0	-27.9	28.9	34.9	4.6	H
Avg								
1	2390	40.0	54.0	14.0	28.8	34.8	4.6	H
2 F	2412	78.9	54.0	-24.9	28.9	34.9	4.6	H



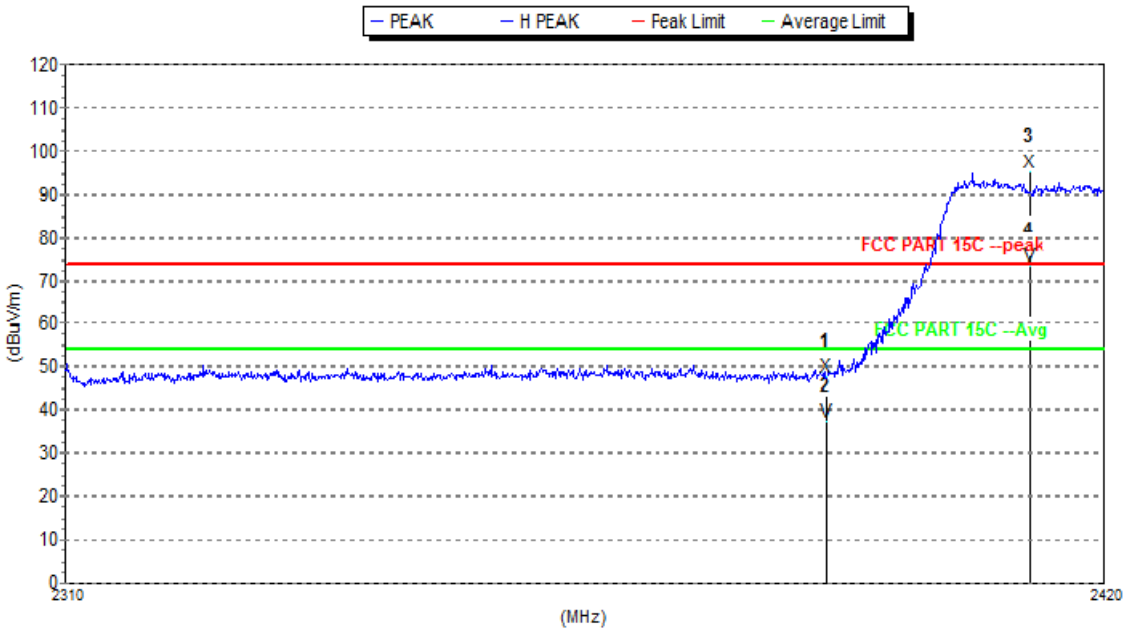
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	71.3	74.0	2.7	28.8	34.8	4.6	V
2 F	2412	108.5	74.0	-34.5	28.9	34.9	4.6	V
Avg								
1	2390	50.6	54.0	3.4	28.8	34.8	4.6	V
2 F	2412	84.8	54.0	-30.8	28.9	34.9	4.6	V



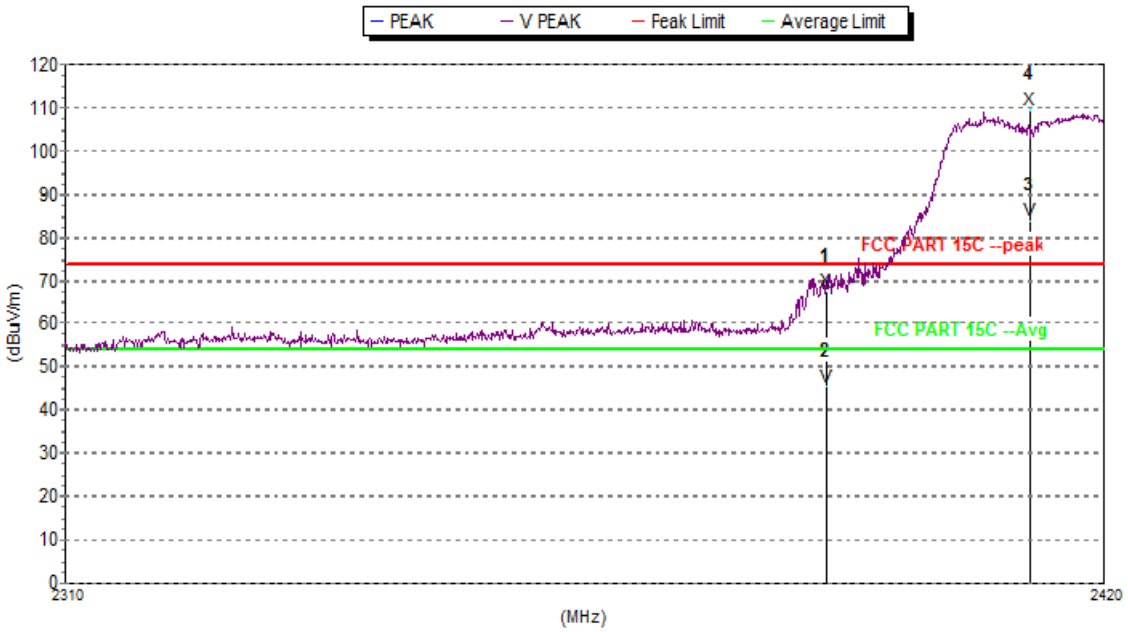
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	101.3	74.0	-27.3	29.2	34.9	4.5	H
2	2483.5	53.5	74.0	20.5	29.3	35.0	4.5	H
Avg								
1 F	2462	78.2	54.0	-24.2	29.2	34.9	4.5	H
2	2483.5	39.8	54.0	14.2	29.3	35.0	4.5	H



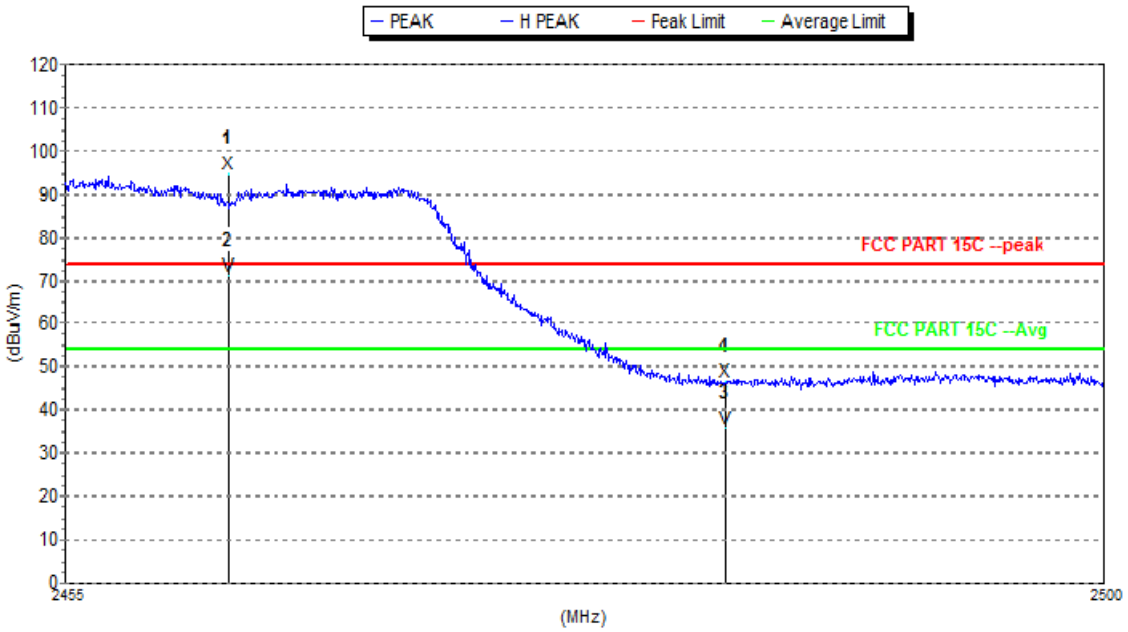
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	106.8	74.0	-32.8	29.2	34.9	4.5	V
2	2483.5	62.6	74.0	11.4	29.3	35.0	4.5	V
Avg								
1 F	2462	84.6	54.0	-30.6	29.2	34.9	4.5	V
2	2483.5	49.5	54.0	4.5	29.3	35.0	4.5	V



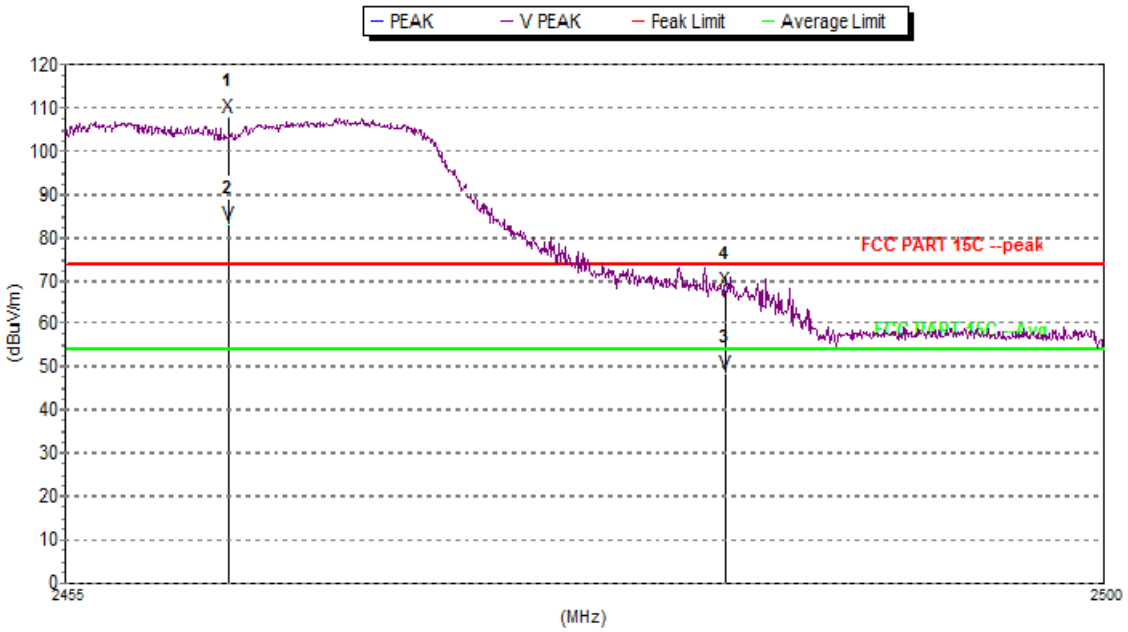
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	47.9	74.0	26.1	28.8	34.8	4.6	H
2 F	2412	95.1	74.0	-21.1	28.9	34.9	4.6	H
Avg								
1	2390	37.5	54.0	16.5	28.8	34.8	4.6	H
2 F	2412	73.4	54.0	-19.4	28.9	34.9	4.6	H



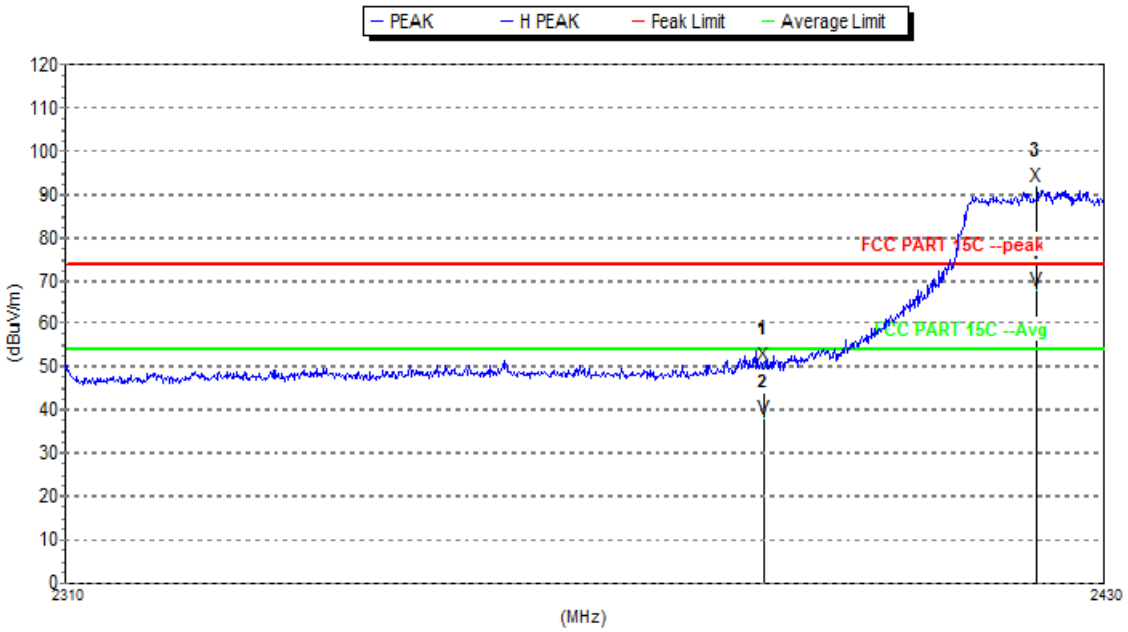
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	67.6	74.0	6.4	28.8	34.8	4.6	V
2 F	2412	109.6	74.0	-35.6	28.9	34.9	4.6	V
Avg								
1	2390	45.5	54.0	8.5	28.8	34.8	4.6	V
2 F	2412	83.7	54.0	-29.7	28.9	34.9	4.6	V



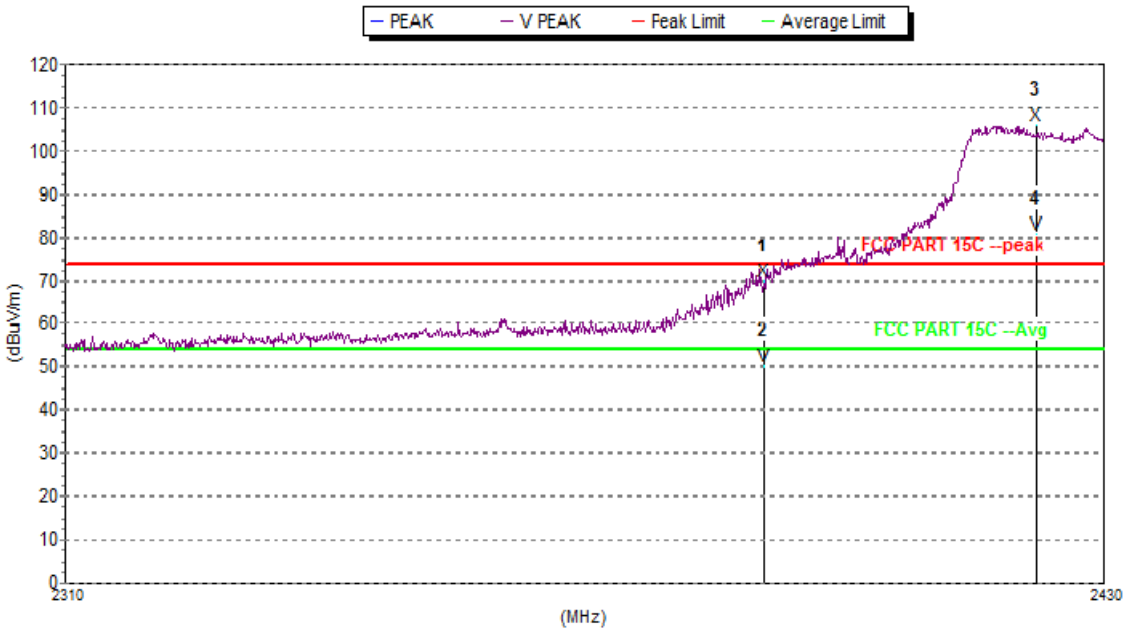
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	94.7	74.0	-20.7	29.2	34.9	4.5	H
2	2483.5	46.5	74.0	27.5	29.3	35.0	4.5	H
Avg								
1 F	2462	71.2	54.0	-17.2	29.2	34.9	4.5	H
2	2483.5	35.9	54.0	18.1	29.3	35.0	4.5	H



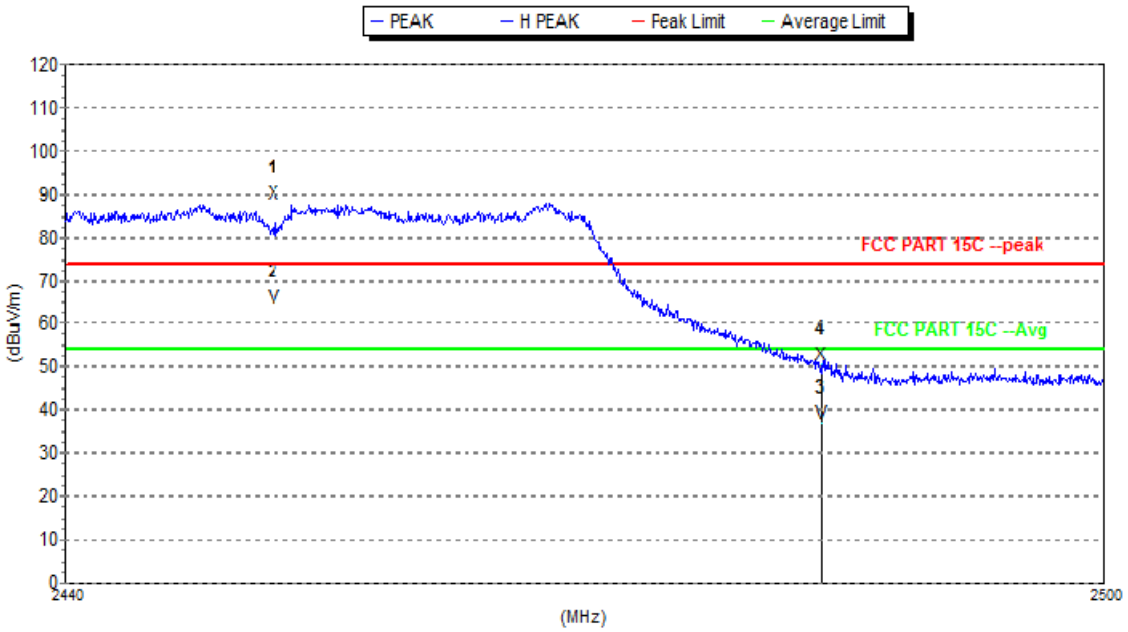
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2462	108.1	74.0	-34.1	29.2	34.9	4.5	V
2	2483.5	67.9	74.0	6.1	29.3	35.0	4.5	V
Avg								
1 F	2462	83.0	54.0	-29.0	29.2	34.9	4.5	V
2	2483.5	48.5	54.0	5.5	29.3	35.0	4.5	V



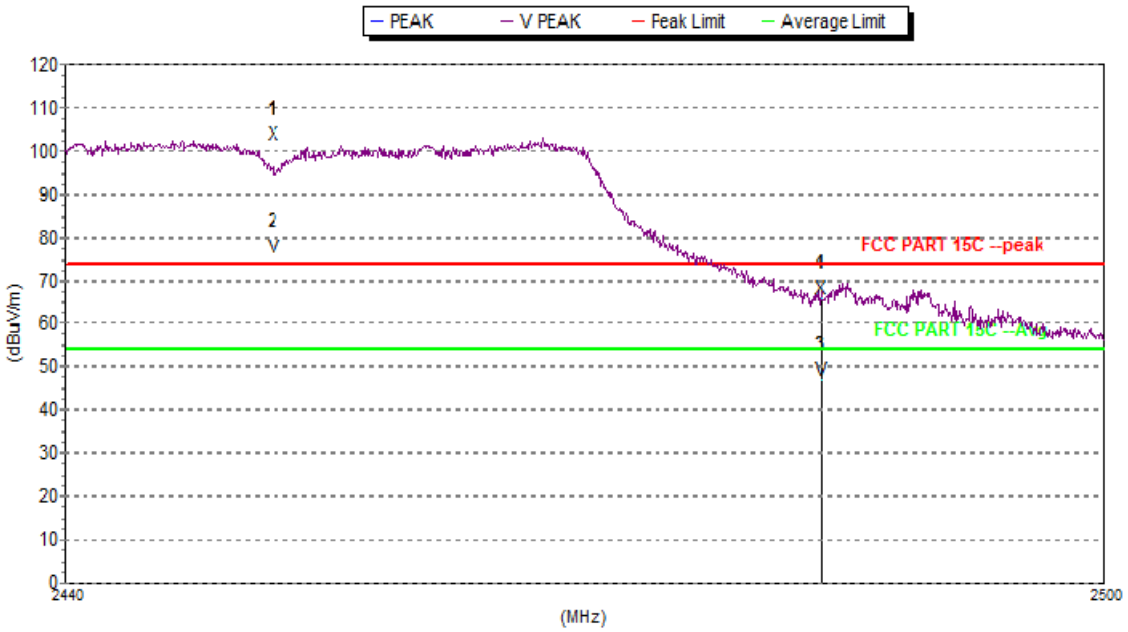
Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	50.6	74.0	23.4	28.8	34.8	4.6	H
2 F	2422	92.1	74.0	-18.1	28.9	34.9	4.6	H
Avg								
1	2390	38.1	54.0	15.9	28.8	34.8	4.6	H
2 F	2422	68.0	54.0	-14.0	28.9	34.9	4.6	H



Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1	2390	69.8	74.0	4.2	28.8	34.8	4.6	V
2 F	2422	106.1	74.0	-32.1	28.9	34.9	4.6	V
Avg								
1	2390	50.2	54.0	3.8	28.8	34.8	4.6	V
2 F	2422	80.5	54.0	-26.5	28.9	34.9	4.6	V



Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2452	87.9	74.0	-13.9	29.1	34.9	4.5	H
2	2483.5	50.6	74.0	23.4	29.3	35.0	4.5	H
Avg								
1 F	2452	63.7	54.0	-9.7	29.1	34.9	4.5	H
2	2483.5	36.8	54.0	17.2	29.3	35.0	4.5	H



Mk.	Freq.(MHz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Ant.F.(dB/m)	Amp.G.(dB)	Cbl.L.(dB)	Pol.
Peak:								
1 F	2452	101.7	74.0	-27.7	29.1	34.9	4.5	V
2	2483.5	65.9	74.0	8.1	29.3	35.0	4.5	V
Avg								
1 F	2452	75.6	54.0	-21.6	29.1	34.9	4.5	V
2	2483.5	46.9	54.0	7.1	29.3	35.0	4.5	V

Note:
The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

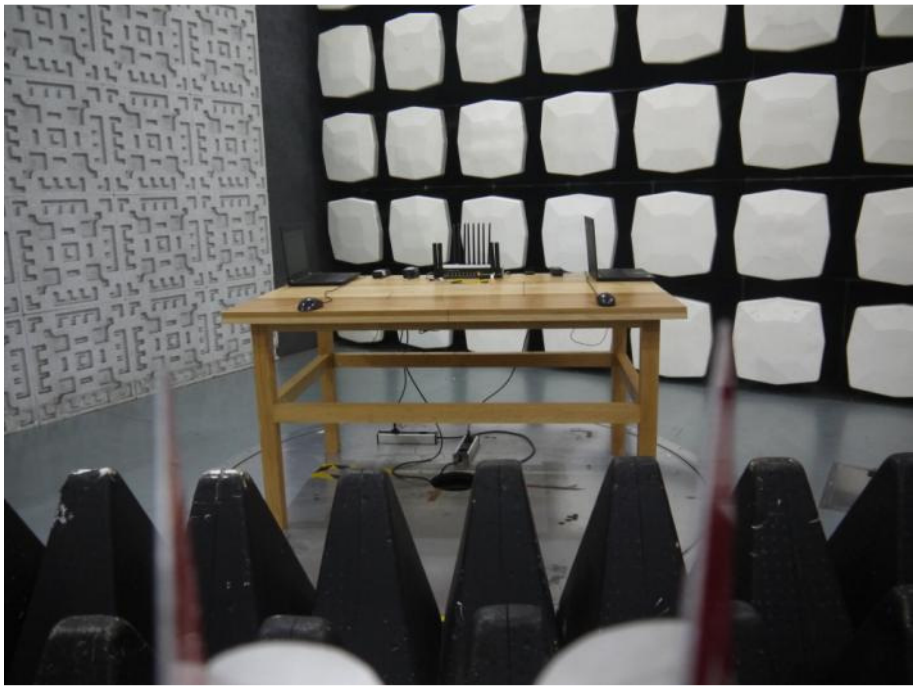
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

7 Photographs - EUT Test Setup

Test model No.: MAX HD4

7.1 Conducted Emission

7.2 Radiated Spurious Emission



8 Photographs - EUT Constructional Details

Test model No.: MAX HD4

Refer to Appendix A - Photographs of EUT Constructional Details for HKES1501000090IT