TEST REPORT

Report No.:	**EM201200311-6**	**Application No.:**	**ZJ00016980**
Applicant:	Harman International Industries, Incorporated		
Applicant Address:	8500 Balboa Blvd, Northridge, CA 91329, UNITED STATES		
Sample Description:	Blu-RAY DISC SYSTEM		
Model:	BDS 577		
Adding Model：			
Test Location:	Guangzhou GRG Metrology and Test Co., Ltd		
Test Specification:	FCC Part 15,Subpart C:2010		
Test Date:	2012-06-21 to 2012-07-20		
Issue Date:	2012-07-23		
Test Result:	*Pass.*		

Prepared By:	**Reviewed By:**	**Approved By:**
Eddy Zong/ Test Engineer	Jane Cao / Technical Support	Gavin Wu / Manager
Eddy Zong	Jane Cao	Gavin Wu
Date:2012-07-23	Date:2012-07-23	Date:2012-07-23

Other Aspects:

Abbreviations: *ok / P = passed; fail / F = failed; n.a. / N = not applicable*

DIRECTIONS OF TEST

1. This station carries out test task according to the national regulation of verifications which can be traced to National Primary Standards and BIPM.

2. The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

3. If there is any objection concerning the test, the client should inform the laboratory within 15 days from the date of receiving the test report.

Table of Contents

1. TEST RESULT SUMMARY

Section B of FCC Part 15.247:2009			
Standard	**Item**	**Limit / Severity**	**Result**
FCC Part 15,Subpart C (15.247)	Antenna Requirement	§15.203	PASS
	Conducted Emissions	§15.207 (a)	PASS
	Spurious Emissions at Antenna Port	§15.247(d)	PASS
	Restricted Bands	§15.205	PASS
	Spurious Emissions	§15.209, §15.205, 1§15.247(d)	PASS
	6 dB Bandwidth	§15.247 (a)(2)	PASS
	Maximum Peak Output Power	§15.247(b)(3)	PASS
	Band Edge Measurement	§15.247(d)	PASS
	Power Spectral Density	§15.247(e)	PASS

2. GENERAL DESCRIPTION OF EUT

2.1 APPLICANT

Name:	Harman International Industries, Incorporated
Address:	8500 Balboa Blvd, Northridge, CA 91329, UNITED STATES

2.2 MANUFACTURER

Name:	TCL TECHNOLY ELECTRONICS (HUIZHOU) CO., LTD
Address:	Section 19, Zhongkai High-tech Development Zone, Huizhou City, Guang Dong Province, China.

2.3 BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

Equipment:	Blu-RAY DISC SYSTEM
Model No.:	BDS 577
Trade Name:	harman/kardon
Power supply:	100-240V~ 50/60Hz
Frequency Range：	2412MHz~2462MHz: 802.11b; 802.11g; 802.11n(HT20) 2422MHz~2452 MHz: 802.11n(HT40)
Type of Modulation	DSSS for 802.11b; OFDM for 802.11g/n(HT20)/n(HT40);
Channels:	Channel with 5MHz step
Duty cycle	100%
Antenna gain:	3 dBi

2.4 DESCRIPTION OF SUPPORT UNITS

Name of Equipment	Manufacturer	Model	Serial Number
iphone	APPLE	A1303	/
ipad	APPLE	Ipad 2	/
PC	Lenovo	E40	0578DTC

3. LABORATORY AND ACCREDITATIONS

3.1 LABORATORY

The tests and measurements refer to this report were performed by Guangzhou GRG Metrology and Test CO., LTD.

Add. : 163 Pingyun Rd, West of Huangpu Ave, Guangzhou, 510656, P. R. China

Telephone: +86-20-38699959, 38699960, 38699961

Fax : +86-20-38695185

3.2 ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA	FCC Listed Lab (No. 688188)
China	CNAS （No.L0446）
China	DILAC (No.DL175)
Canada	Registration No.:8355A-1

3.3 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement		**Frequency**	**Uncertainty**
Radiated Emission	Horizontal	30MHz～1000MHz	4.2dB
		1GHz～26.5GHz	4.2dB
	Vertical	30MHz～1000MHz	4.4dB
		1GHz～26.5GHz	4.4dB
Conducted Emission		9kHz～30MHz	3.1 dB

This uncertainty represents an expanded uncertainty factor of *k*=2.

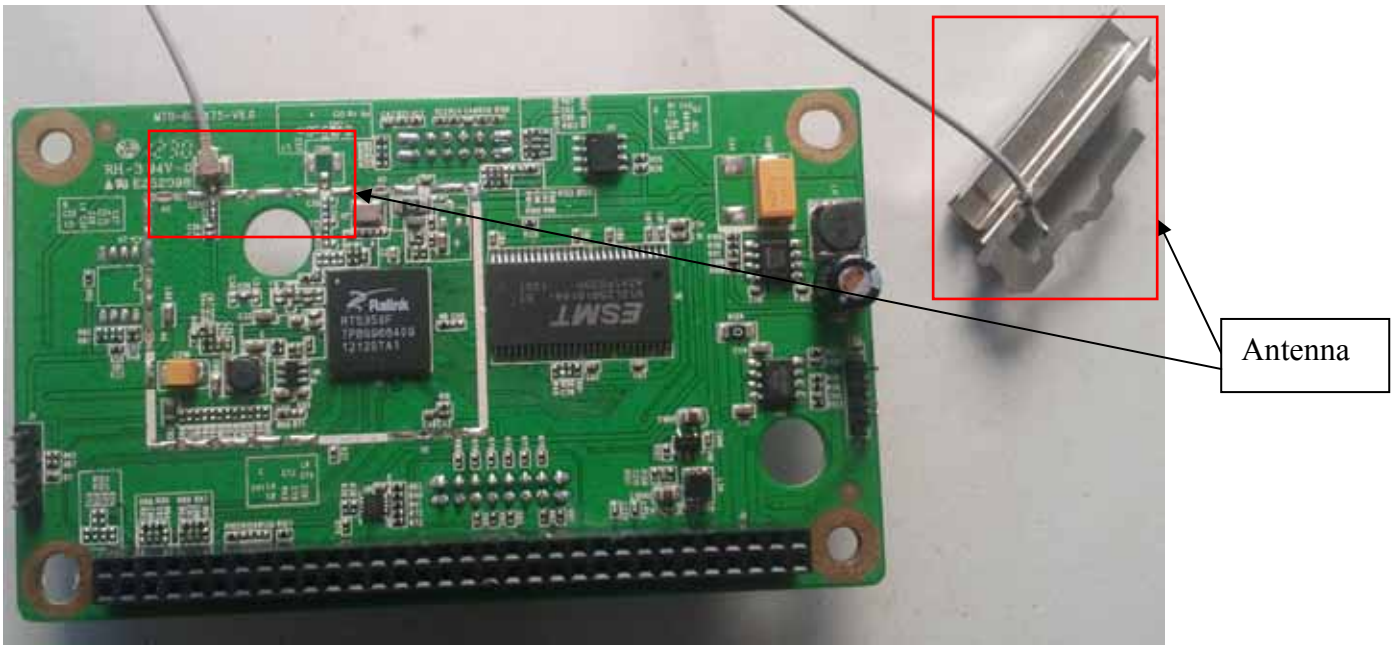
3.4 LIST OF USED TEST EQUIPMENT AT GRGT

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
Conducted Emissions				
EMI Receiver	R&S	ESU40	100529	2012-07-25
L.I.S.N	SCHWARZBECK	NSLK 8127	8127450	2012-08-21
Spurious Emissions at Antenna Port				
Receiver	R&S	ESU40	100106	2013-02-04
Restricted Bands				
Receiver	R&S	ESU40	100106	2013-02-04
Spurious Emissions				
Receiver	R&S	ESU40	100106	2013-02-04
Signal Generator	R&S	SML03	103002	2012-11-14
Biconical Log-periodic Antenna	ETS.LINDGREN	3142C	00075971	2014-05-26
Horn antenna	SCHWARZBECK	BBHA9120D	D752	2013-10-14
6 dB Bandwidth				
Receiver	R&S	ESU40	100106	2013-02-04
Maximum Peak Output Power				
Receiver	R&S	ESU40	100106	2013-02-04
Band Edge Measurement				
Receiver	R&S	ESU40	100106	2013-02-04
Power Spectral Density				
Receiver	R&S	ESU40	100106	2013-02-04

4. TEST RESULT

4.1 ANTENNA REQUIREMENT

The EUT antenna is Plug-in antenna. Antenna gain is 3dBi .which accordance 15.203.is considered sufficient to comply with the provisions of this section



4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS

Frequency range	Limits (dBμV)	
	Quasi-peak	Average
150kHz ～ 0.5MHz	66～56	56～46
0.5 MHz ～ 5 MHz	56	46
5 MHz ～ 30 MHz	60	50

NOTE: (1) The lower limit shall apply at the transition frequencies.
(2) The limit decreases in line with the logarithm of the frequency in the range of 150 kHz to 0.5MHz.

4.2.2 TEST PROCEDURES

Procedure of Preliminary Test

For measurement of the disturbance voltage the equipment under test (EUT) is connected to the power supply mains and any other extended network via one or more artificial network(s). An EUT, whether intended to be grounded or not, and which is to be used on a table is configured as follows:

– Either the bottom or the rear of the EUT shall be at a controlled distance of 40 cm from a reference ground plane. This ground plane is normally the wall or floor of a shielded room. It may also be a grounded metal plane of at least 2 m by 2 m. This is physically accomplished as follows:

1) place the EUT on a table of non-conducting material which is at least 80 cm high. Place the EUT so that it is 40 cm from the wall of the shielded room, or

2) place the EUT on a table of non-conducting material which is 40 cm high so that the bottom of the EUT is 40 cm above the ground plane;

– All other conductive surfaces of the EUT shall be at least 80 cm from the reference ground plane;

– The EUT are placed on the floor that one side of the housings is 40 cm from the vertical reference ground plane and other metallic parts;

– Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth forming a bundle 30 cm to 40 cm long, hanging approximately in the middle between the ground plane and the table.

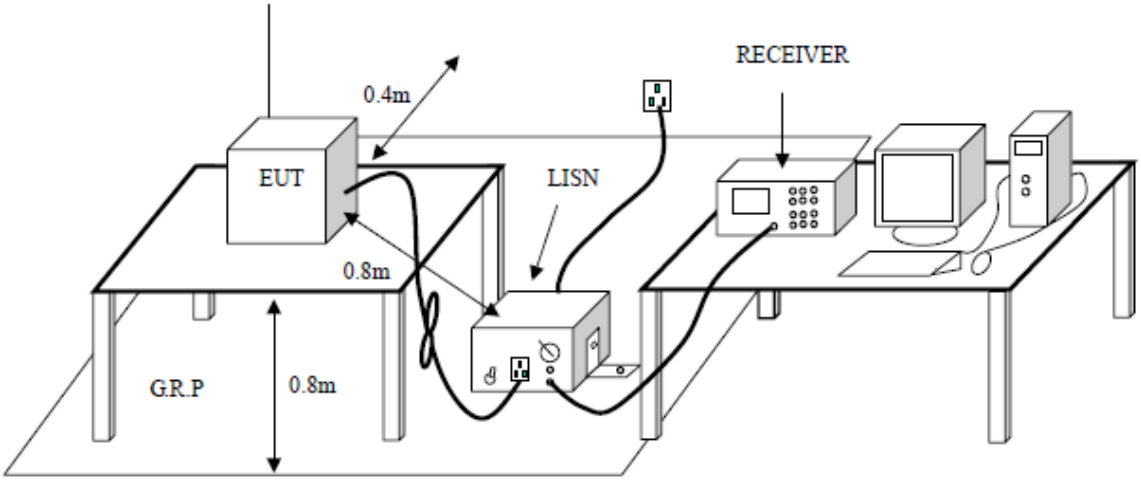
– I/O cables that are connected to a peripheral shall be bundled in the centre. The end of the cable may be terminated if required using correct terminating impedance. The total length shall not exceed 1 m.

The test mode(s) described in Item 2.4 were scanned during the preliminary test. After the preliminary scan, we found the test mode described in Item 2.4 producing the highest emission level. The EUT configuration and cable configuration of the above highest emission levels were recorded for reference of the final test.

Procedure of Final Test

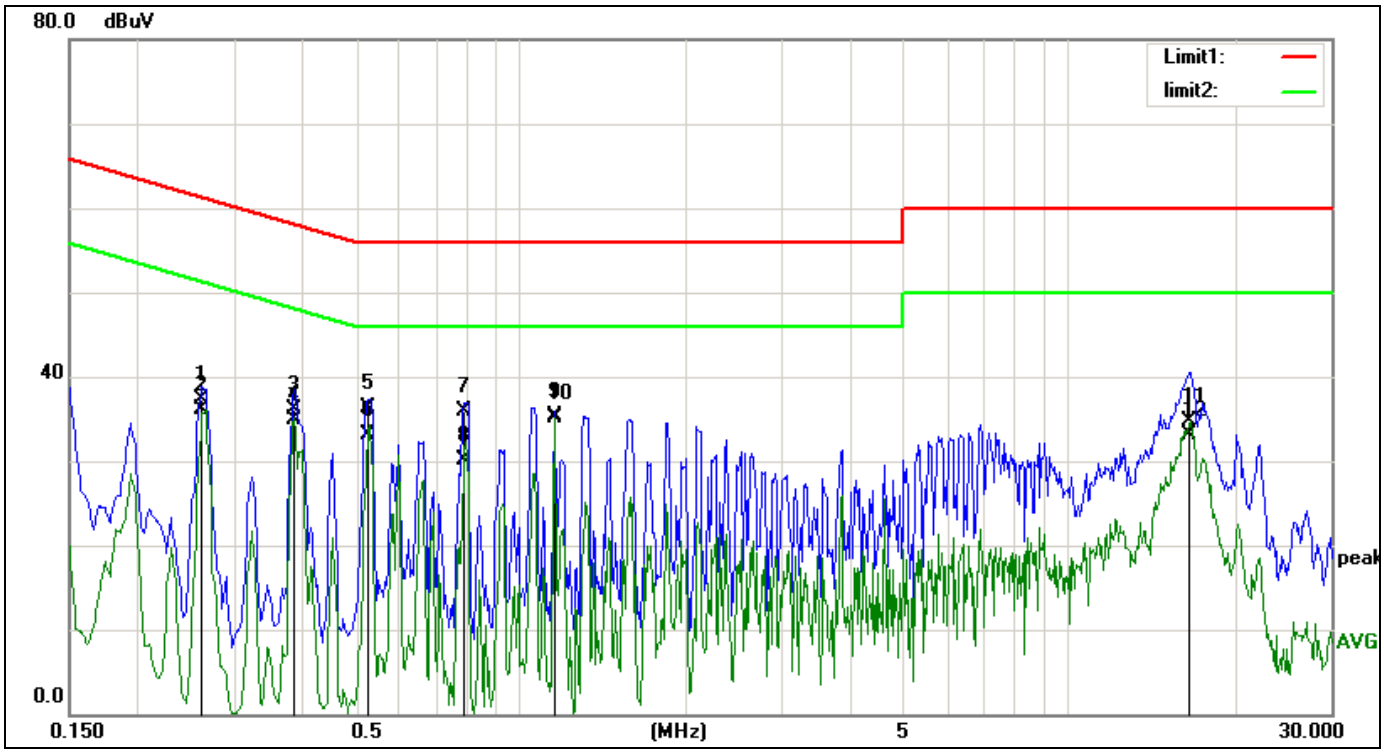
EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test. A scan was taken on both power lines, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. The test data of the worst-case condition(s) was recorded.

4.2.3 TEST SETUP



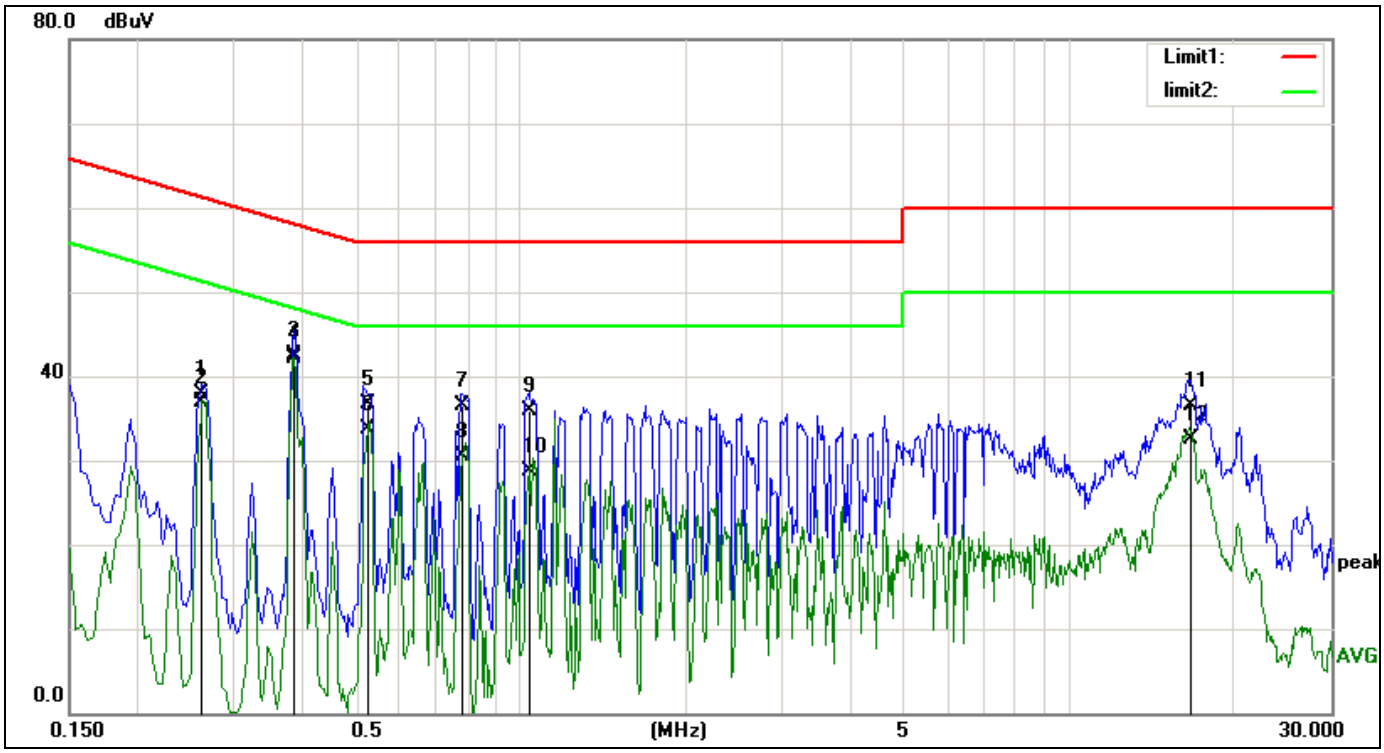
4.2.4 TEST RESULTS

Test Result:	**Pass**	**Probe:**	**L**
Standard:	**(CE)FCC PART 15 class B _QP**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Conduction Test**	**Date:**	**2012-7-3**
Temp./Hum.(%RH):	**22/49%RH**	**Time:**	**14:48:50**
EUT:	**Blu-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**Transmitting**		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2620	36.42	0.98	37.40	61.36	-23.96	QP
2	0.2620	35.22	0.98	36.20	51.36	-15.16	AVG
3	0.3860	35.34	0.76	36.10	58.15	-22.05	QP
4	0.3860	34.14	0.76	34.90	48.15	-13.25	AVG
5	0.5260	35.77	0.53	36.30	56.00	-19.70	QP
6	0.5260	32.67	0.53	33.20	46.00	-12.80	AVG
7	0.7860	35.49	0.41	35.90	56.00	-20.10	QP
8	0.7860	29.69	0.41	30.10	46.00	-15.90	AVG
9	1.1539	34.88	0.52	35.40	56.00	-20.60	QP
10	1.1539	34.68	0.52	35.20	46.00	-10.80	AVG
11	16.5380	33.77	0.93	34.70	60.00	-25.30	QP
12	16.5380	32.27	0.93	33.20	50.00	-16.80	AVG

Test Result:	**Pass**	**Probe:**	**N**
Standard:	**(CE)FCC PART 15 class B _QP**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Conduction Test**	**Date:**	**2012-7-3**
Temp./Hum.(%RH):	**22/49%RH**	**Time:**	**14:39:41**
EUT:	**Blu-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**Transmitting**		



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2620	36.92	0.98	37.90	61.36	-23.46	QP
2	0.2620	35.92	0.98	36.90	51.36	-14.46	AVG
3	0.3860	41.74	0.76	42.50	58.15	-15.65	QP
4	0.3860	41.44	0.76	42.20	48.15	-5.95	AVG
5	0.5280	36.27	0.53	36.80	56.00	-19.20	QP
6	0.5280	33.17	0.53	33.70	46.00	-12.30	AVG
7	0.7820	36.19	0.41	36.60	56.00	-19.40	QP
8	0.7820	30.19	0.41	30.60	46.00	-15.40	AVG
9	1.0339	35.49	0.41	35.90	56.00	-20.10	QP
10	1.0339	28.39	0.41	28.80	46.00	-17.20	AVG
11	16.6780	35.67	0.93	36.60	60.00	-23.40	QP
12	16.6780	31.67	0.93	32.60	50.00	-17.40	AVG

4.3 RADIATED ELECTROMAGNETIC DISTURBANCE

4.3.1 LIMITS

Frequency (MHz)	Quasi-peak(dBμV/m)
30 ~ 88	40
88~216	43.5
216 ~ 960	46
Above 960	54

NOTE: (1) The lower limit shall apply at the transition frequencies.

Frequency (GHz)	Quasi-peak(dBμV/m)
1 ~ 26.5	74
1~ 26.5	54

4.3.2 TEST PROCEDURES

Procedure of Preliminary Test

Radiated emission tests shall be made with the receive or transmit antenna located at a horizontal distance of 3 m plus half of the maximum width of the EUT being tested, measured from the centre of the EUT. The tests shall be performed with the equipment configured as closely as possible to its typical, practical operation. Unless stated otherwise, cables and wiring shall be as specified by the manufacturer and the equipment shall be in its housing (or cabinet) with all covers and access panels in place. Any deviation from normal EUT operating conditions shall be included in the test report.

The EUT (on a non-conductive support structure, where applicable) shall be placed on a remotely operated turntable, to allow the EUT to be rotated. The height of the EUT above the ground plane shall be according to the following requirements.

• Table-top equipment is placed on a non-conductive set-up table with height 0,8 m ± 0,01 m, ANSI C63.4 specifies the method to determine the impact of the non-conductive set-up table on test results.

• Floor-standing equipment is placed on a non-conductive support, as specified in the applicable product standard. If there are no EUT height placement requirements in the product standard, the EUT shall be placed on a non-conductive support at a height of 5 cm to 15 cm above the ground plane.

Interface cables, loads, and devices should be connected to at least one of each type of the interface ports of the EUT and, where practical, each cable shall be terminated in a device typical for its actual use. Where there are multiple interface ports of the same type, a typical number of these devices shall be connected to devices or loads. It is sufficient to connect only one of the loads, provided that it can be shown, for example by preliminary testing, that the connection of further ports would not significantly increase the level of disturbance (that is, more than 2 dB) or significantly degrade the immunity level.

The test mode(s) described in Item 2.4 were scanned during the preliminary test. After the preliminary scan, we found the test mode described in Item 2.4 producing the highest emission level. The EUT and cable configuration, antenna position, polarization and turntable position of the above highest emission level were recorded for the final test.

Procedure of Final Test

EUT and support equipment were set up on the turntable as per the configuration with highest

emission level in the preliminary test. The Analyzer / Receiver scanned from 30MHz to 1000MHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level. Record at least six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only QP reading is presented. The test data of the worst-case condition(s) was recorded.

Procedure of Final Test

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test. A scan was taken on both power lines, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. The test data of the worst-case condition(s) was recorded.

4.3.3 TEST SETUP

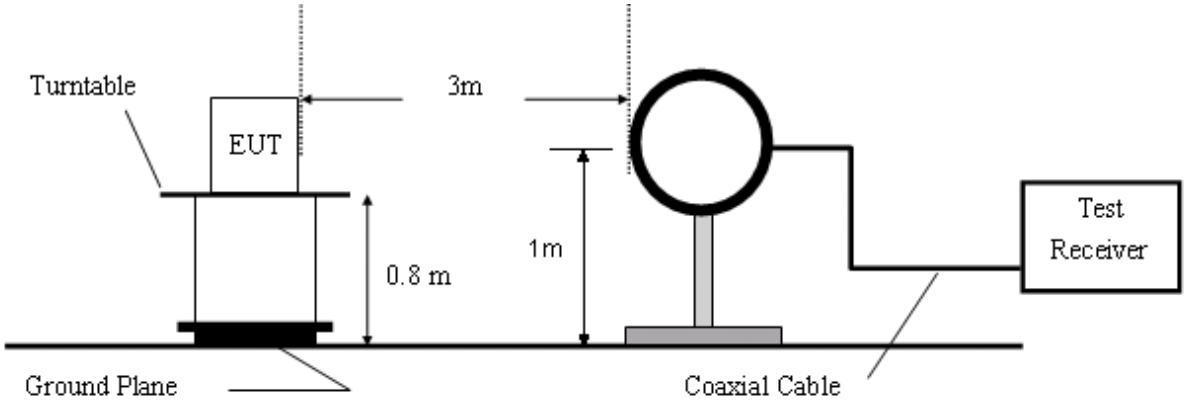


Figure 1. 9KHz to 30MHz radiated emissions test configuration

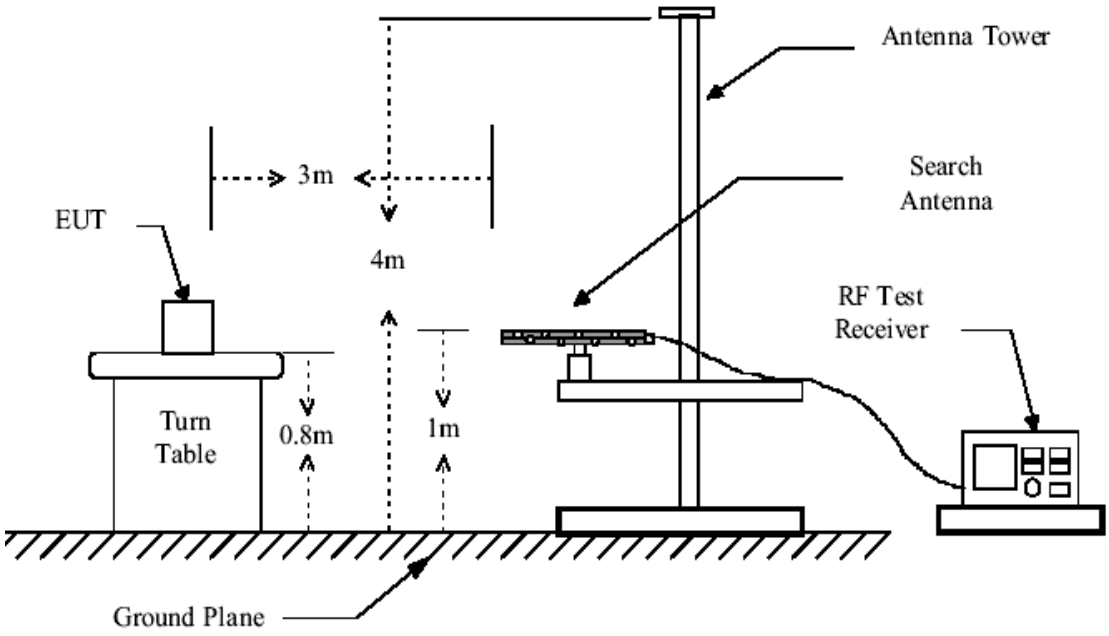


Figure 2. 30MHz to 1GHz radiated emissions test configuration

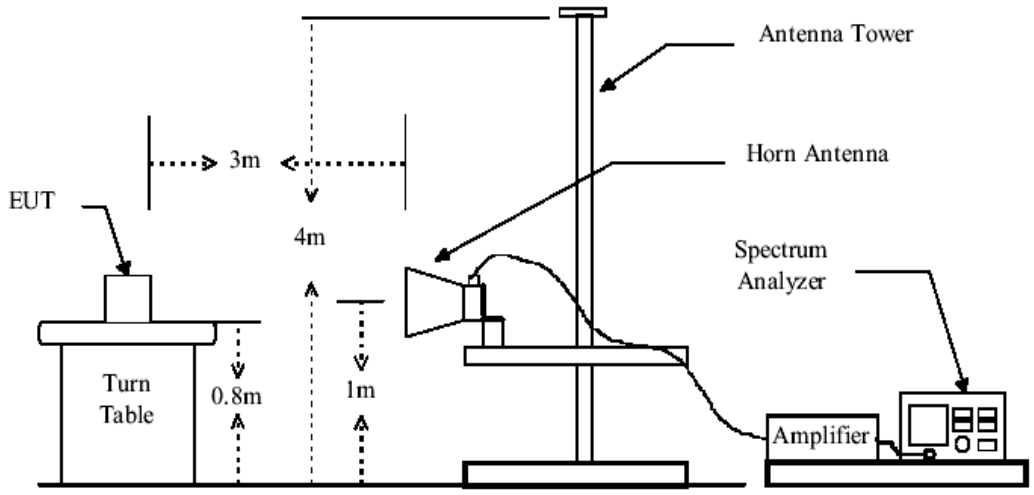
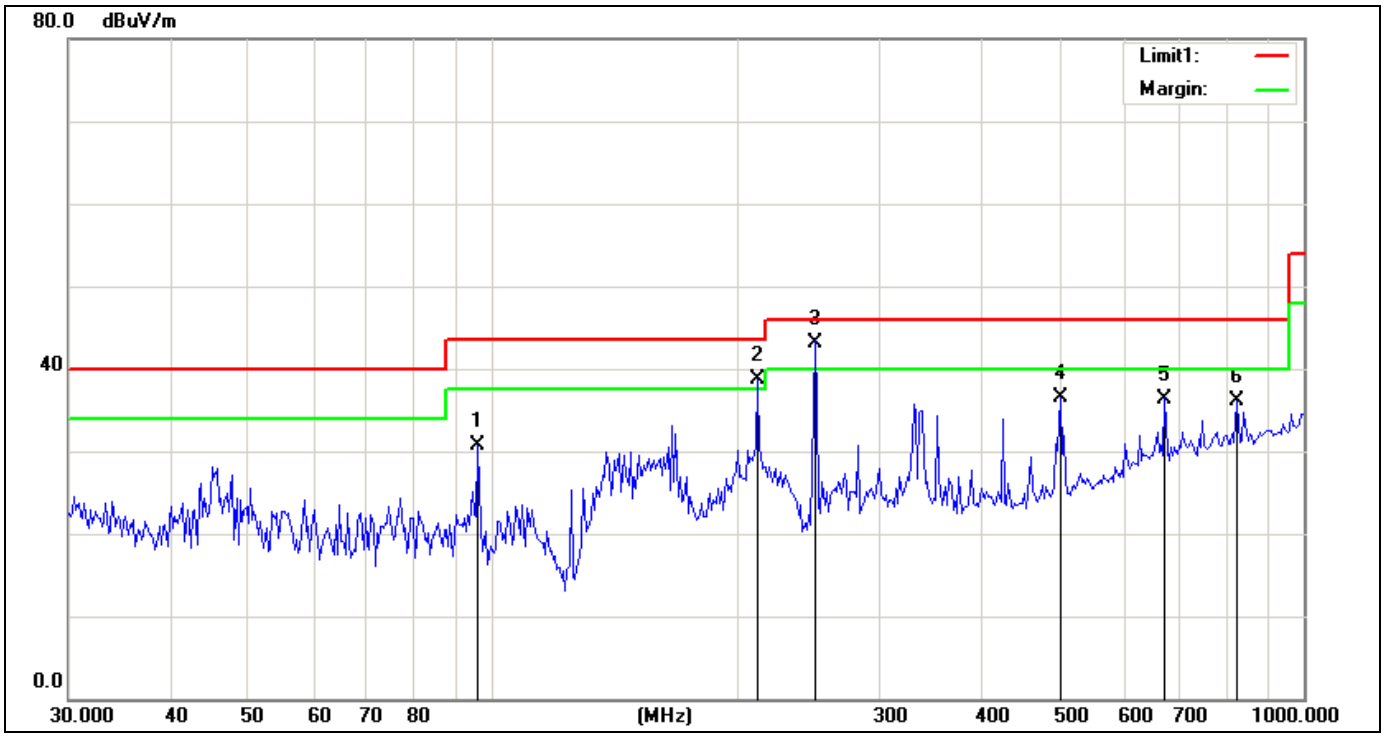


Figure 3. Above 1GHz radiated emissions test configuration

4.3.4 TEST RESULTS

Test Result:	**Pass**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**9:01:22**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11b 2412**		

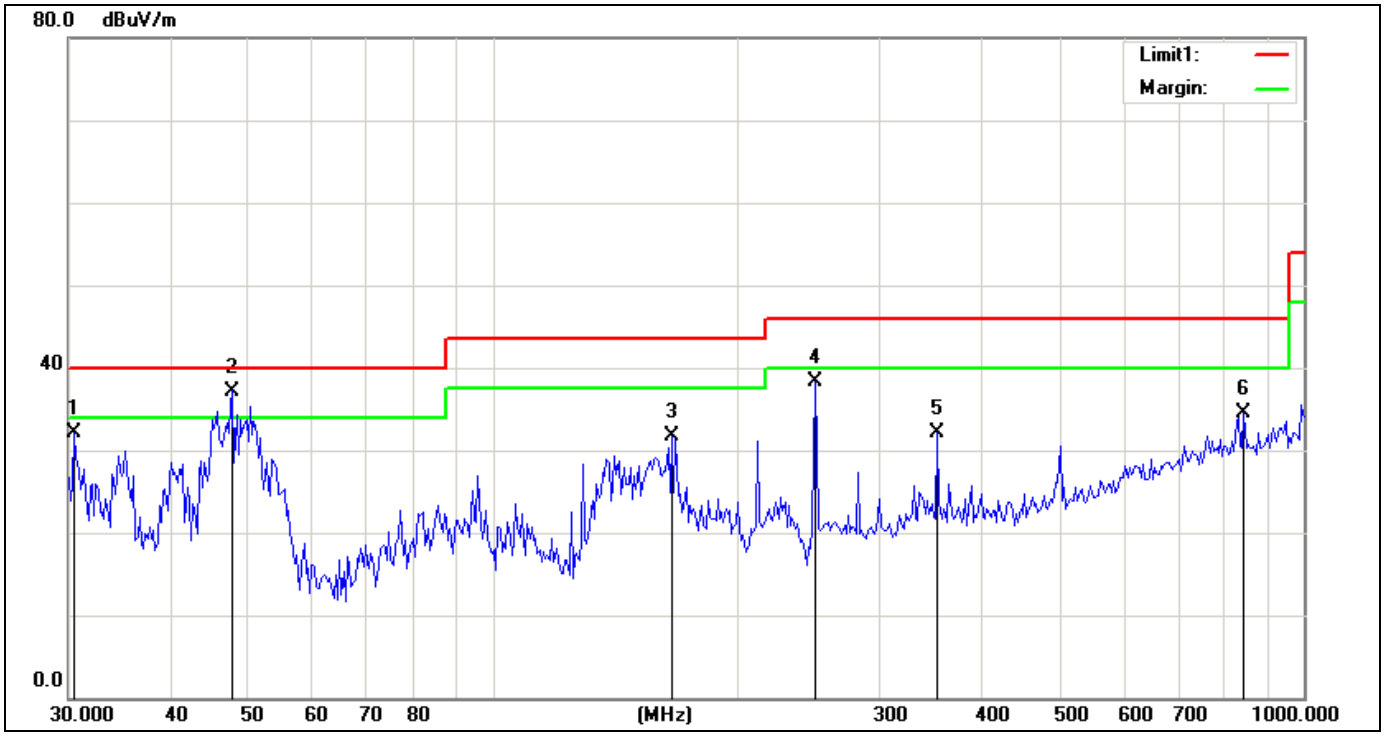


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	96.0079	20.93	9.86	30.79	43.50	-12.71	QP
2	212.0406	26.68	12.05	38.73	43.50	-4.77	QP
3	249.5707	29.54	13.66	43.20	46.00	-2.80	QP
4	500.9762	16.78	19.79	36.57	46.00	-9.43	QP
5	674.7831	12.86	23.54	36.40	46.00	-9.60	QP
6	826.0810	10.88	25.30	36.18	46.00	-9.82	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2022.306	41.71	14.19	55.90	74.00	-18.10	peak
2	2022.306	33.60	14.19	47.79	54.00	-6.21	AVG
3	2511.279	36.40	17.10	53.50	74.00	-20.50	peak
4	2511.279	20.50	17.10	37.60	54.00	-16.40	AVG
5	12826.912	30.28	27.61	57.89	74.00	-16.11	peak
6	12826.912	11.79	27.61	39.40	54.00	-14.60	AVG
7	17591.230	30.98	35.62	66.60	74.00	-7.40	peak
8	17591.230	13.48	35.62	49.10	54.00	-4.90	AVG

Test Result:	**Pass**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**9:08:10**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11b 2412**		

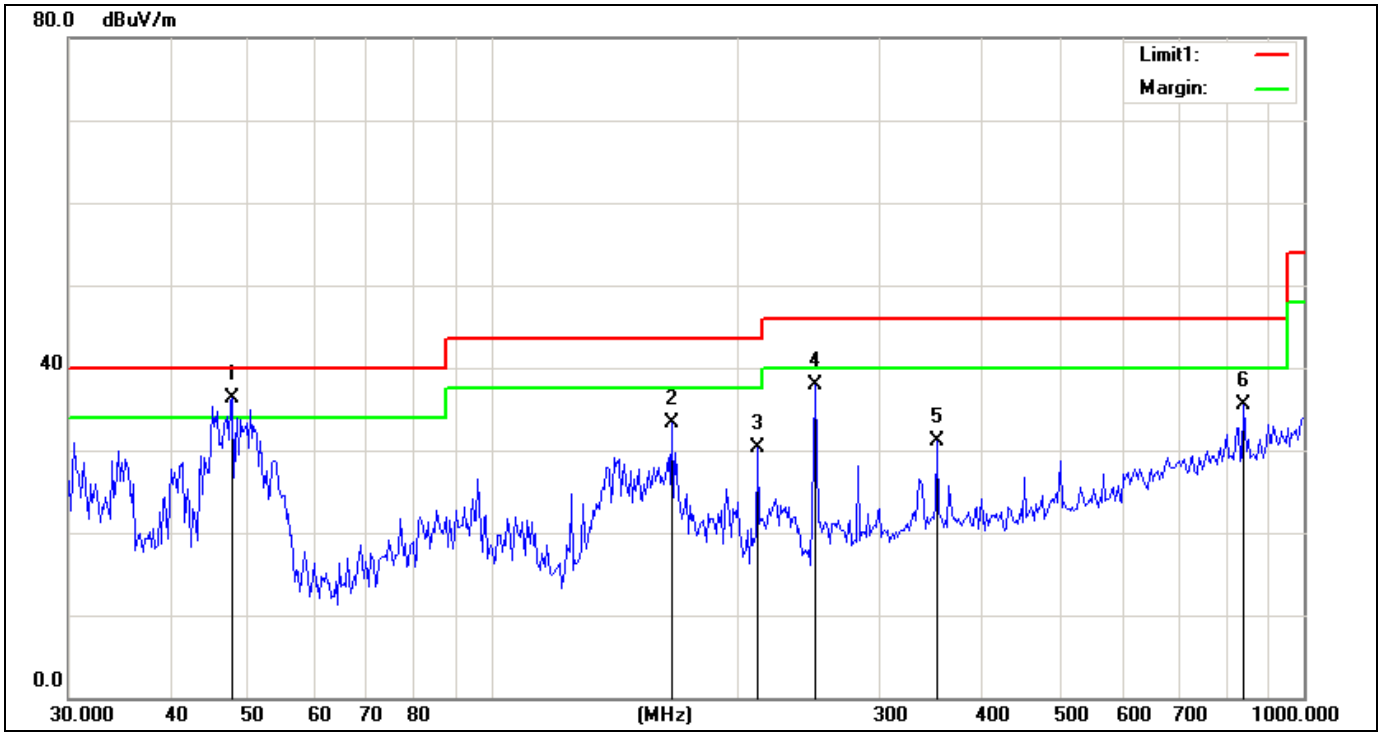


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.5100	12.98	19.12	32.10	40.00	-7.90	QP
2	47.8282	26.68	10.52	37.20	40.00	-2.80	QP
3	166.5241	21.06	10.58	31.64	43.50	-11.86	QP
4	249.5708	24.64	13.66	38.30	46.00	-7.70	QP
5	353.5945	14.82	17.35	32.17	46.00	-13.83	QP
6	844.8599	9.37	25.19	34.56	46.00	-11.44	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1594.497	41.16	12.14	53.30	74.00	-20.70	peak
2	1594.497	35.20	12.14	47.34	54.00	-6.66	AVG
3	2022.306	30.61	14.19	44.80	74.00	-29.20	peak
4	2022.306	22.40	14.19	36.59	54.00	-17.41	AVG
5	12826.912	29.54	27.61	57.15	74.00	-16.85	peak
6	12826.912	11.79	27.61	39.40	54.00	-14.60	AVG
7	16801.328	30.78	34.94	65.72	74.00	-8.28	peak
8	16801.328	12.96	34.94	47.90	54.00	-6.10	AVG

Test Result:	**Pass**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**9:16:28**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11b 2437**		

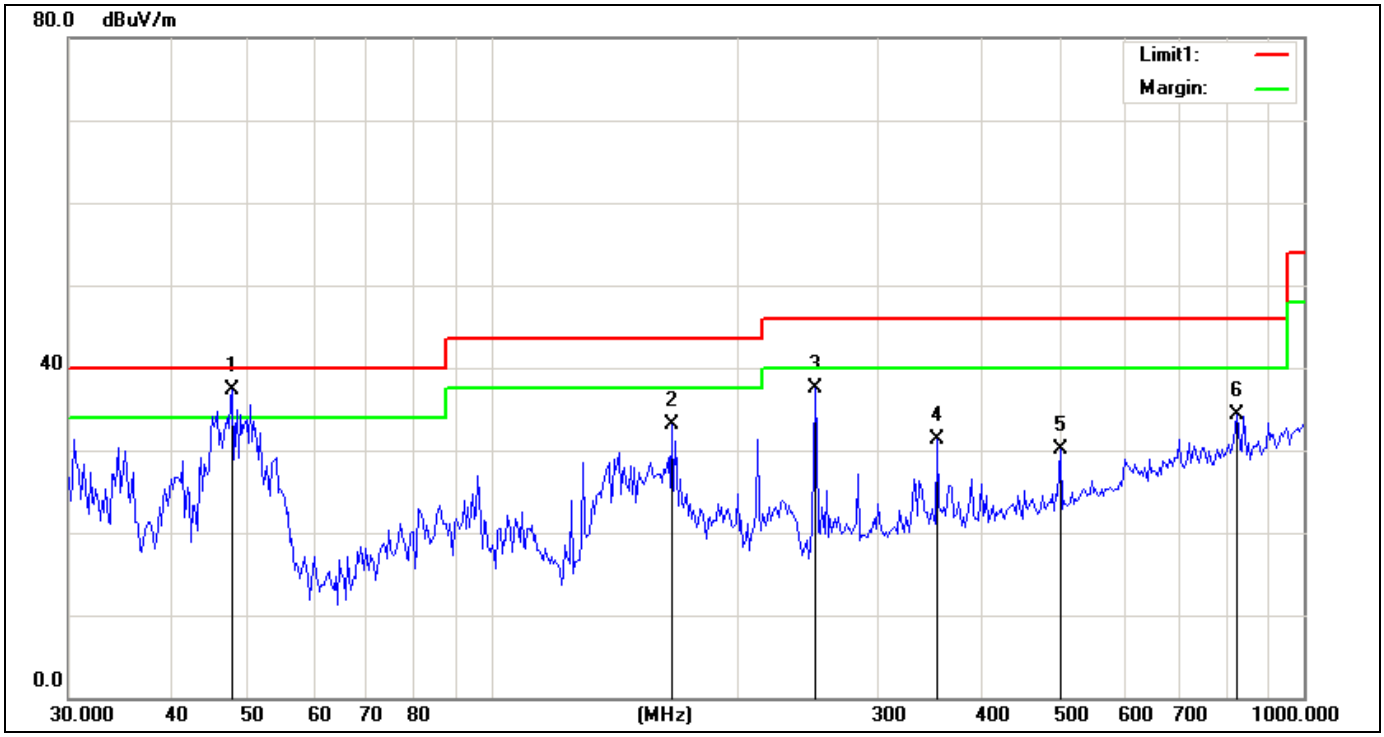


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	25.84	10.52	36.36	40.00	-3.64	QP
2	166.5241	22.73	10.58	33.31	43.50	-10.19	QP
3	212.0406	18.16	12.05	30.21	43.50	-13.29	QP
4	249.5708	24.27	13.66	37.93	46.00	-8.07	QP
5	353.5945	13.69	17.35	31.04	46.00	-14.96	QP
6	844.8599	10.41	25.19	35.60	46.00	-10.40	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1864.982	42.75	13.58	56.33	74.00	-17.67	peak
2	1864.982	22.11	13.58	35.69	54.00	-18.31	AVG
3	2560.387	41.78	17.64	59.42	74.00	-14.58	peak
4	2560.387	19.77	17.64	37.41	54.00	-16.59	AVG
5	12546.148	29.15	28.02	57.17	74.00	-16.83	peak
6	12546.148	10.38	28.02	38.40	54.00	-15.60	AVG
7	16849.641	31.25	35.14	66.39	74.00	-7.61	peak
8	16849.641	14.56	35.14	49.70	54.00	-4.30	AVG

Test Result:	**Pass**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**9:23:46**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11b 2437**		

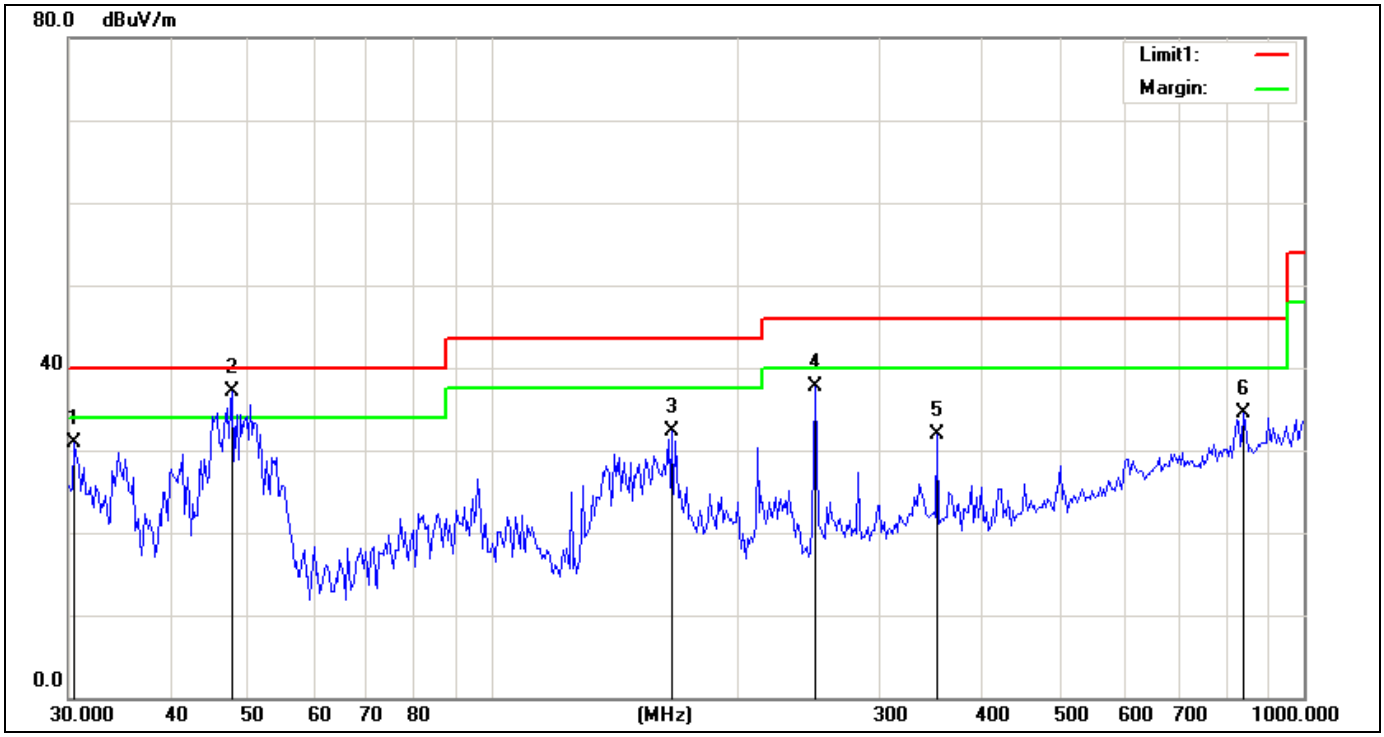


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	26.80	10.52	37.32	40.00	-2.68	QP
2	166.5241	22.58	10.58	33.16	43.50	-10.34	QP
3	249.5708	23.88	13.66	37.54	46.00	-8.46	QP
4	353.5945	14.01	17.35	31.36	46.00	-14.64	QP
5	500.9763	10.34	19.79	30.13	46.00	-15.87	QP
6	826.0810	8.97	25.30	34.27	46.00	-11.73	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1864.982	41.90	13.58	55.48	74.00	-18.52	peak
2	1864.982	19.92	13.58	33.50	54.00	-20.50	AVG
3	2022.306	40.29	14.19	54.48	74.00	-19.52	peak
4	2022.306	21.71	14.19	35.90	54.00	-18.10	AVG
5	13546.148	29.15	29.02	58.17	74.00	-15.83	peak
6	13546.148	10.38	29.02	39.40	54.00	-14.60	AVG
7	16849.641	31.25	35.14	66.39	74.00	-7.61	peak
8	16849.641	14.56	35.14	49.70	54.00	-4.30	AVG

Test Result:	**Pass**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**9:30:22**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11b 2462**		

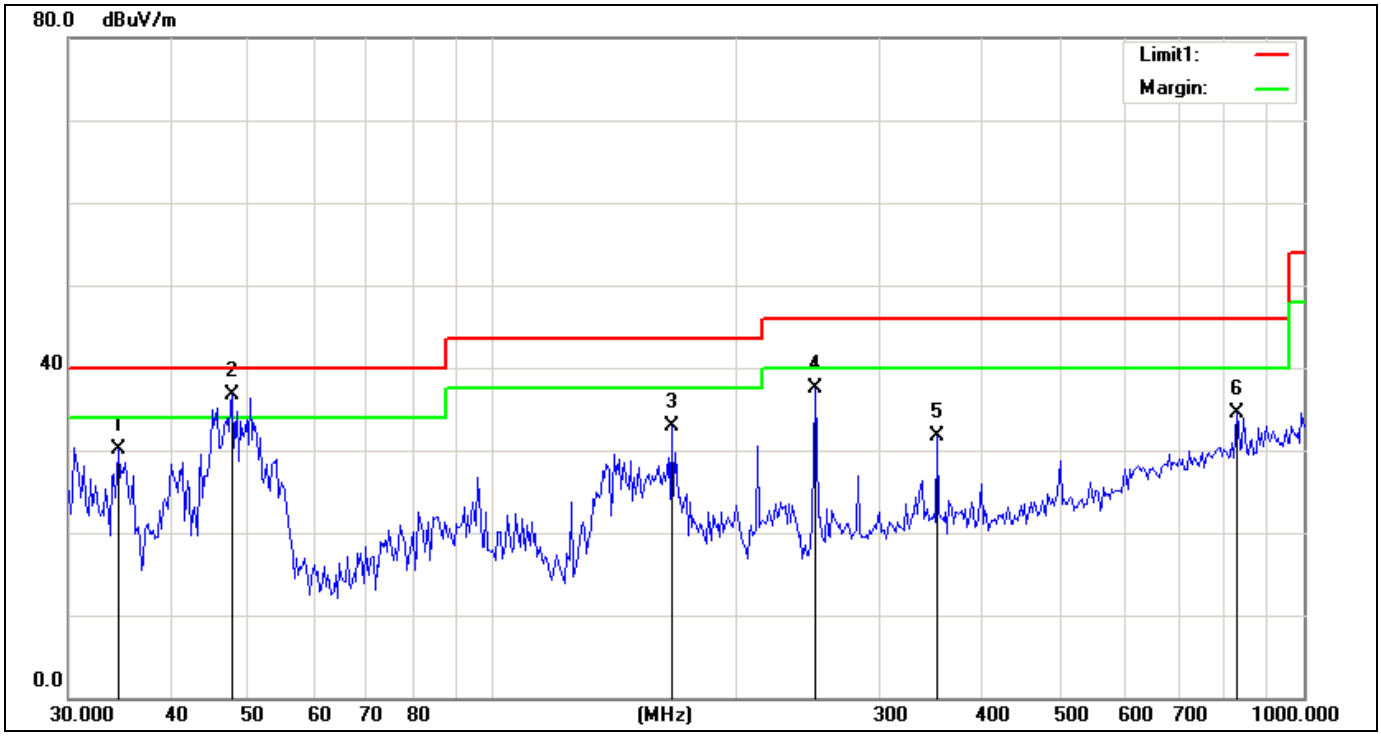


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.5100	11.72	19.12	30.84	40.00	-9.16	QP
2	47.8282	26.60	10.52	37.12	40.00	-2.88	QP
3	166.5241	21.65	10.58	32.23	43.50	-11.27	QP
4	249.5708	24.12	13.66	37.78	46.00	-8.22	QP
5	353.5945	14.52	17.35	31.87	46.00	-14.13	QP
6	844.8599	9.32	25.19	34.51	46.00	-11.49	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1594.496	43.06	12.14	55.20	74.00	-18.80	peak
2	1594.496	19.96	12.14	32.10	54.00	-21.90	AVG
3	2022.306	38.81	14.19	53.00	74.00	-21.00	peak
4	2022.306	17.01	14.19	31.20	54.00	-22.80	AVG
5	13546.148	29.50	29.02	58.52	74.00	-15.48	peak
6	13546.148	11.18	29.02	40.20	54.00	-13.80	AVG
7	16801.328	30.02	34.94	64.96	74.00	-9.04	peak
8	16801.328	12.26	34.94	47.20	54.00	-6.80	AVG

Test Result:	**Pass**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**9:37:25**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11b 2462**		

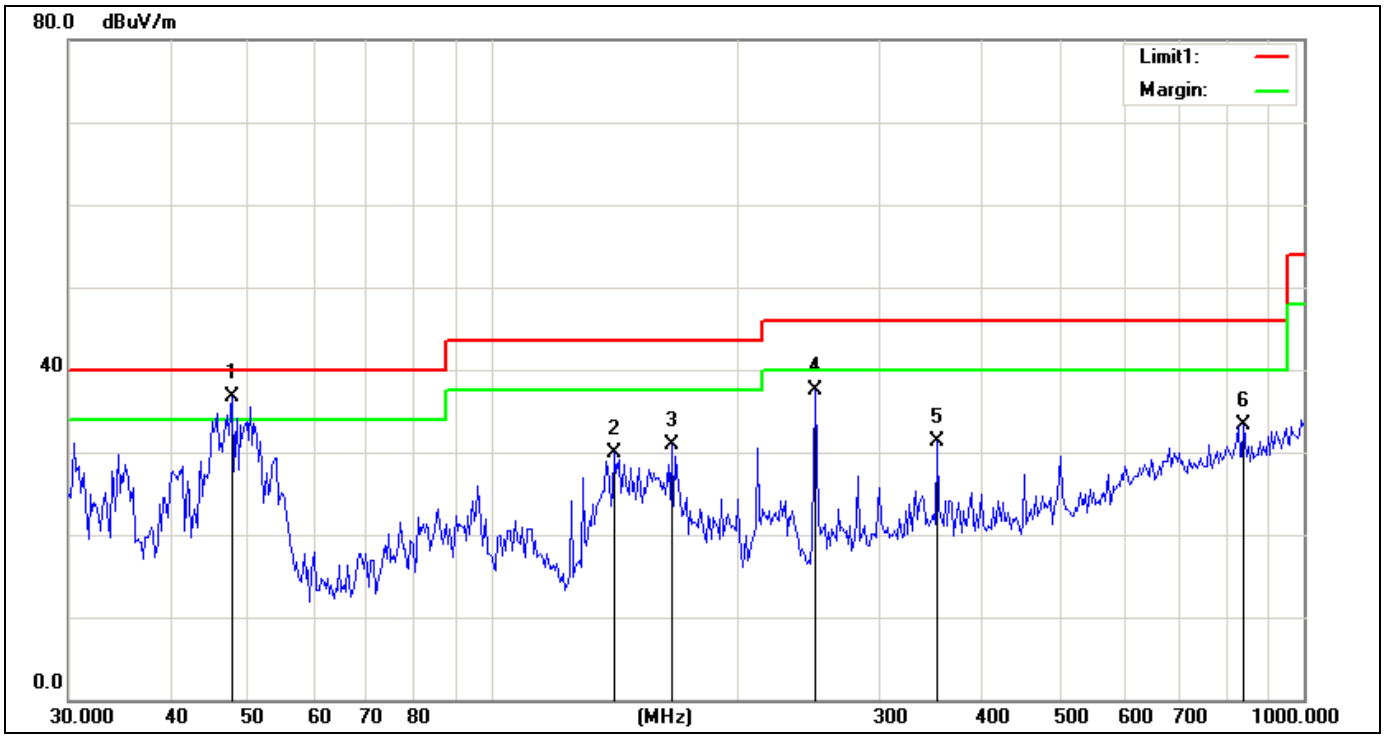


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	34.5250	13.39	16.68	30.07	40.00	-9.93	QP
2	47.8282	26.28	10.52	36.80	40.00	-3.20	QP
3	166.5241	22.37	10.58	32.95	43.50	-10.55	QP
4	249.5708	23.75	13.66	37.41	46.00	-8.59	QP
5	353.5945	14.42	17.35	31.77	46.00	-14.23	QP
6	826.0810	9.16	25.30	34.46	46.00	-11.54	QP

Emission above 1GHz:

o.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1594.497	42.16	12.14	54.30	74.00	-19.70	peak
2	1594.497	20.76	12.14	32.90	54.00	-21.10	AVG
3	2022.306	40.16	14.19	54.35	74.00	-19.65	peak
4	2022.306	18.11	14.19	32.30	54.00	-21.70	AVG
5	13546.148	30.21	29.02	59.23	74.00	-14.77	peak
6	13546.148	11.48	29.02	40.50	54.00	-13.50	AVG
7	16801.328	30.65	34.94	65.59	74.00	-8.41	peak
8	16801.328	13.36	34.94	48.30	54.00	-5.70	AVG

Test Result:	**Pass**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**9:44:23**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11 g 2412**		

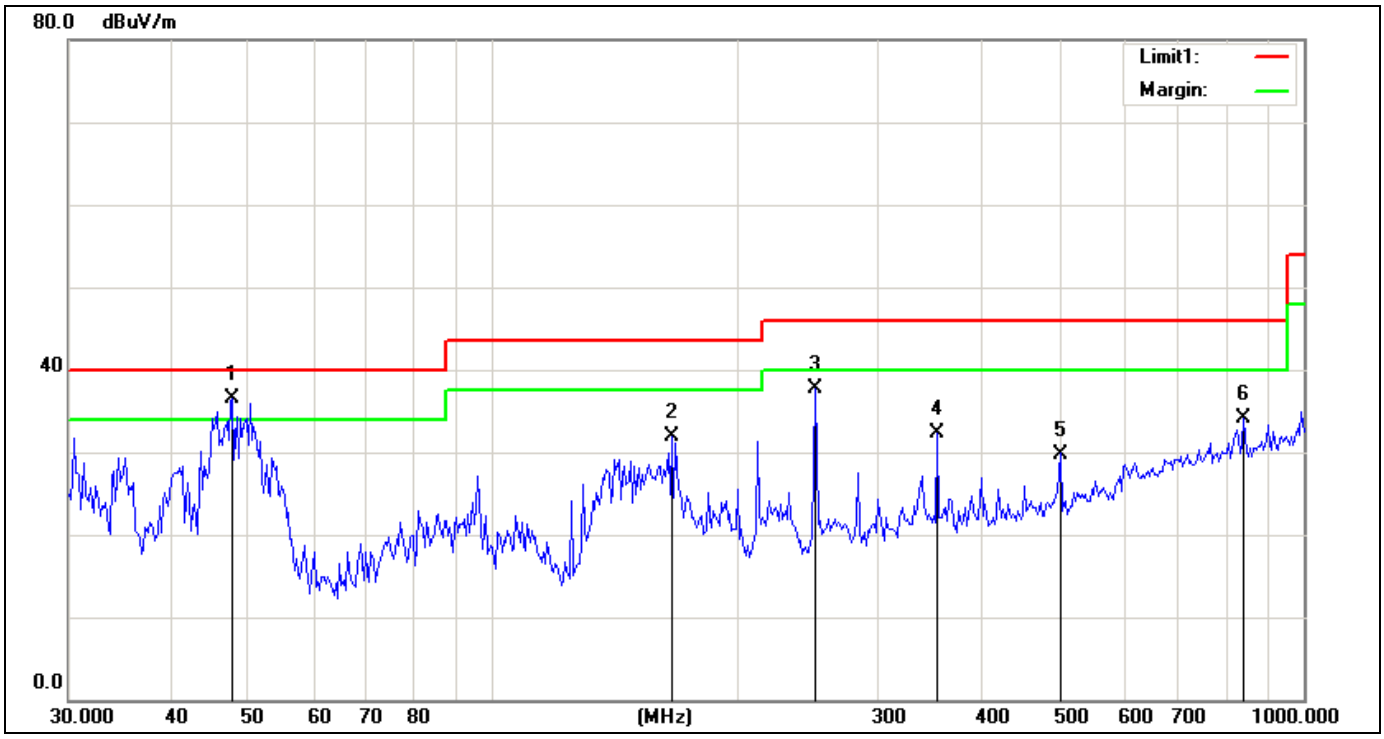


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	26.17	10.52	36.69	40.00	-3.31	QP
2	141.4823	20.54	9.32	29.86	43.50	-13.64	QP
3	166.5241	20.39	10.58	30.97	43.50	-12.53	QP
4	249.5708	23.94	13.66	37.60	46.00	-8.40	QP
5	353.5945	13.99	17.35	31.34	46.00	-14.66	QP
6	844.8599	8.20	25.19	33.39	46.00	-12.61	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1769.033	43.66	13.16	56.82	74.00	-17.18	peak
2	1769.033	25.76	13.16	38.92	74.00	-35.08	AVG
3	2515.704	37.83	17.14	54.97	74.00	-19.03	peak
4	2515.704	20.81	17.14	37.95	74.00	-36.05	AVG
5	13507.307	30.85	28.94	59.79	74.00	-14.21	peak
6	13507.307	12.36	28.94	41.30	54.00	-12.70	AVG
7	16801.328	29.93	34.94	64.87	74.00	-9.13	peak
8	16801.328	12.66	34.94	47.60	54.00	-6.40	AVG

Test Result:	**Pass**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**9:50:53**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11 g 2412**		

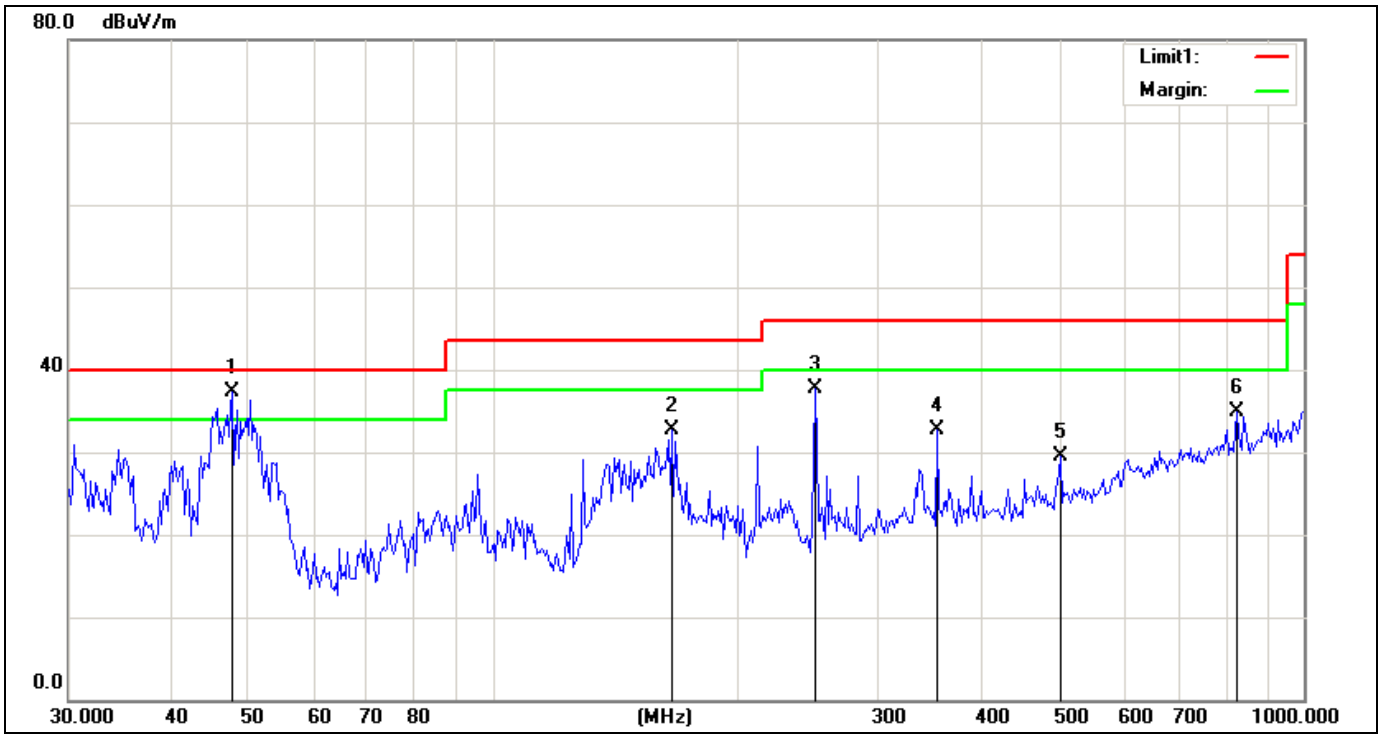


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	26.07	10.52	36.59	40.00	-3.41	QP
2	166.5241	21.33	10.58	31.91	43.50	-11.59	QP
3	249.5708	23.98	13.66	37.64	46.00	-8.36	QP
4	353.5945	14.97	17.35	32.32	46.00	-13.68	QP
5	500.9763	10.01	19.79	29.80	46.00	-16.20	QP
6	844.8599	8.87	25.19	34.06	46.00	-11.94	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1765.921	41.81	13.14	54.95	74.00	-19.05	peak
2	1864.982	43.55	13.58	57.13	74.00	-16.87	peak
3	2022.306	42.84	14.19	57.03	74.00	-16.97	peak
4	2502.452	38.44	16.99	55.43	74.00	-18.57	peak
5	13546.148	29.66	29.02	58.68	74.00	-15.32	peak
6	13546.148	11.18	29.02	40.20	54.00	-13.80	AVG
7	16753.154	30.50	34.75	65.25	74.00	-8.75	peak
8	16753.154	12.05	34.75	46.80	54.00	-7.20	AVG

Test Result:	**Pass**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**9:55:54**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11 g 2437**		

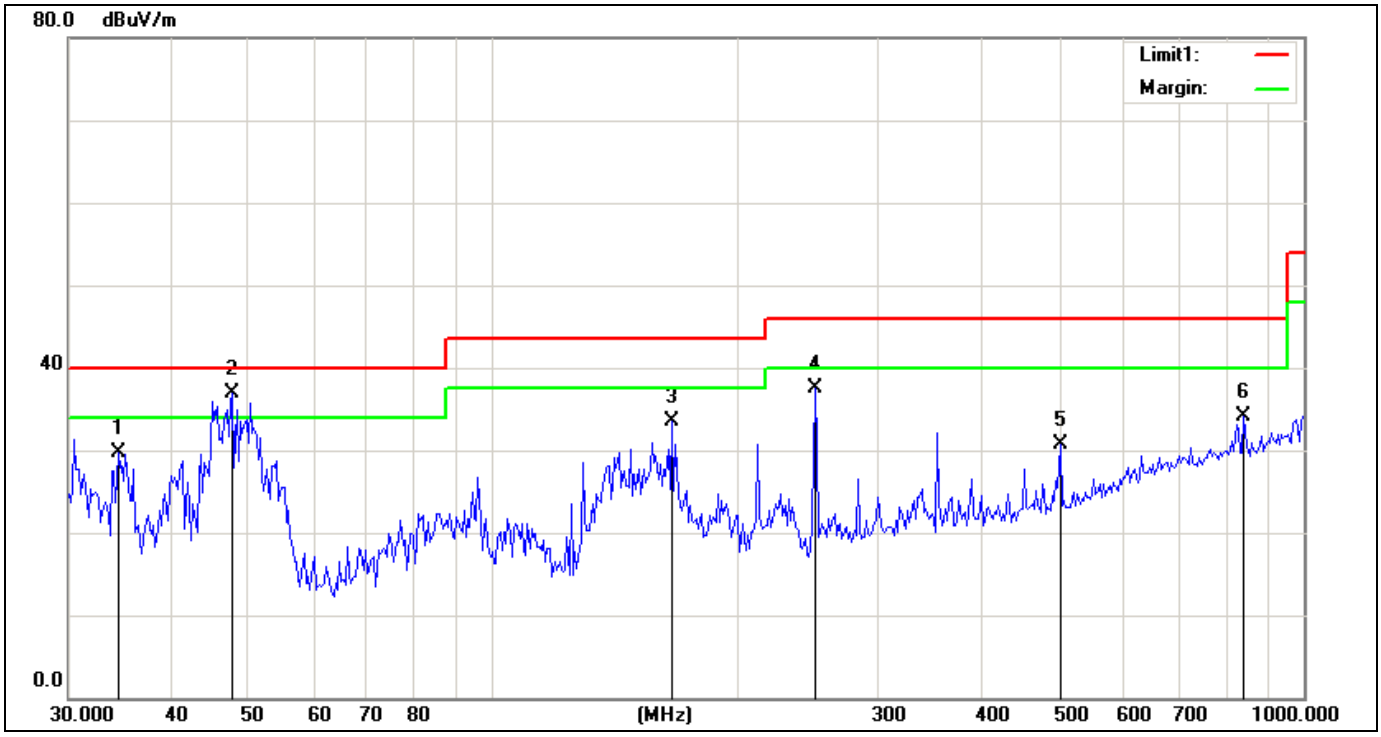


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	26.77	10.52	37.29	40.00	-2.71	QP
2	166.5241	22.14	10.58	32.72	43.50	-10.78	QP
3	249.5707	24.11	13.66	37.77	46.00	-8.23	QP
4	353.5944	15.31	17.35	32.66	46.00	-13.34	QP
5	500.9762	9.66	19.79	29.45	46.00	-16.55	QP
6	826.0810	9.51	25.30	34.81	46.00	-11.19	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1864.982	42.30	13.58	55.88	74.00	-18.12	peak
2	1864.982	20.62	13.58	34.20	54.00	-19.80	AVG
3	2520.137	36.60	17.19	53.79	74.00	-20.21	peak
4	2520.137	15.71	17.19	32.90	54.00	-21.10	AVG
5	12790.133	30.58	27.47	58.05	74.00	-15.95	peak
6	12790.133	13.23	27.47	40.70	54.00	-13.30	AVG
7	17845.610	29.76	35.96	65.72	74.00	-8.28	peak
8	17845.610	13.14	35.96	49.10	54.00	-4.90	AVG

Test Result:	**Pass**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**10:02:51**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11 g 2437**		

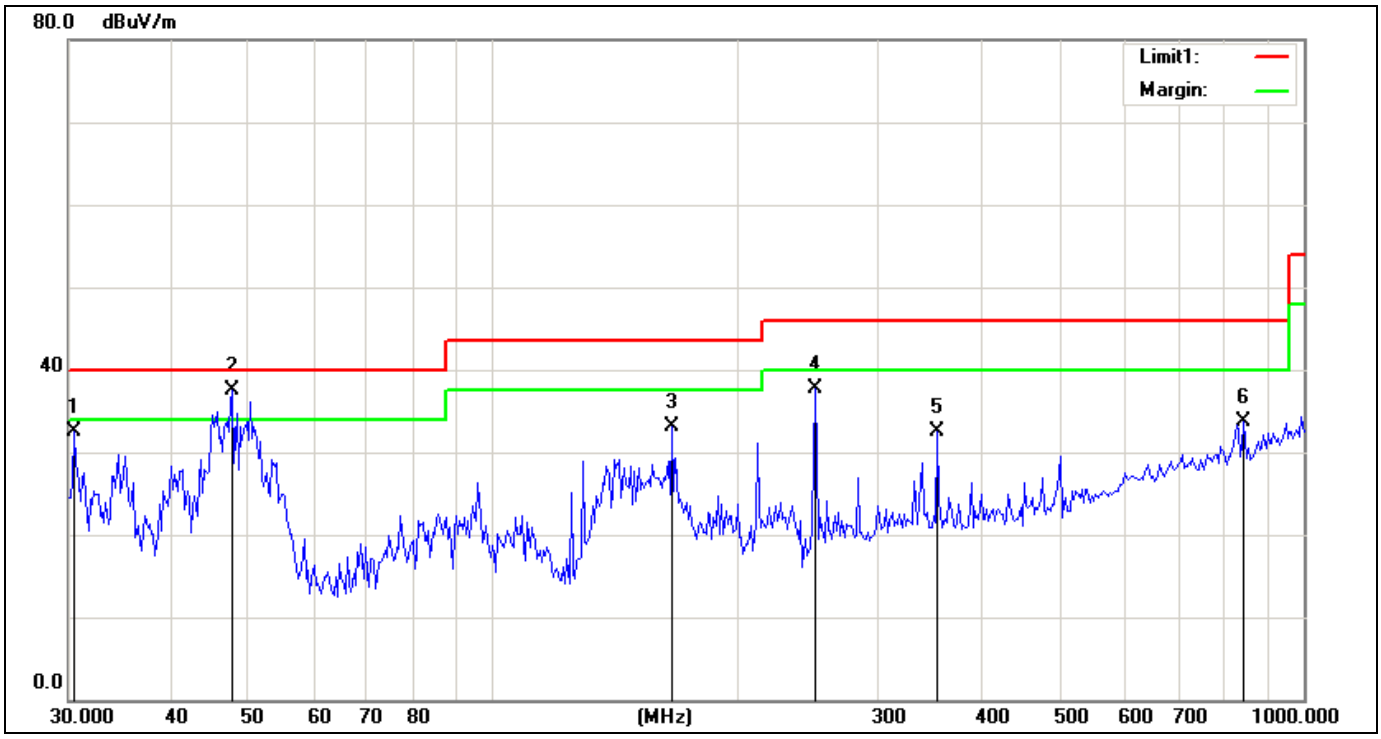


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	34.5250	13.09	16.68	29.77	40.00	-10.23	QP
2	47.8282	26.38	10.52	36.90	40.00	-3.10	QP
3	166.5241	22.91	10.58	33.49	43.50	-10.01	QP
4	249.5708	23.79	13.66	37.45	46.00	-8.55	QP
5	500.9763	10.82	19.79	30.61	46.00	-15.39	QP
6	844.8599	8.89	25.19	34.08	46.00	-11.92	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1864.982	41.15	13.58	54.73	74.00	-19.27	peak
2	1864.982	22.52	13.58	36.10	54.00	-17.90	AVG
3	2524.578	37.44	17.23	54.67	74.00	-19.33	peak
4	2524.578	16.68	17.23	33.91	54.00	-20.09	AVG
5	13702.631	28.15	29.40	57.55	74.00	-16.45	peak
6	13702.631	9.50	29.40	38.90	54.00	-15.10	AVG
7	16849.641	30.93	35.14	66.07	74.00	-7.93	peak
8	16849.641	13.96	35.14	49.10	54.00	-4.90	AVG

Test Result:	**Pass**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**10:12:10**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11 g 2462**		

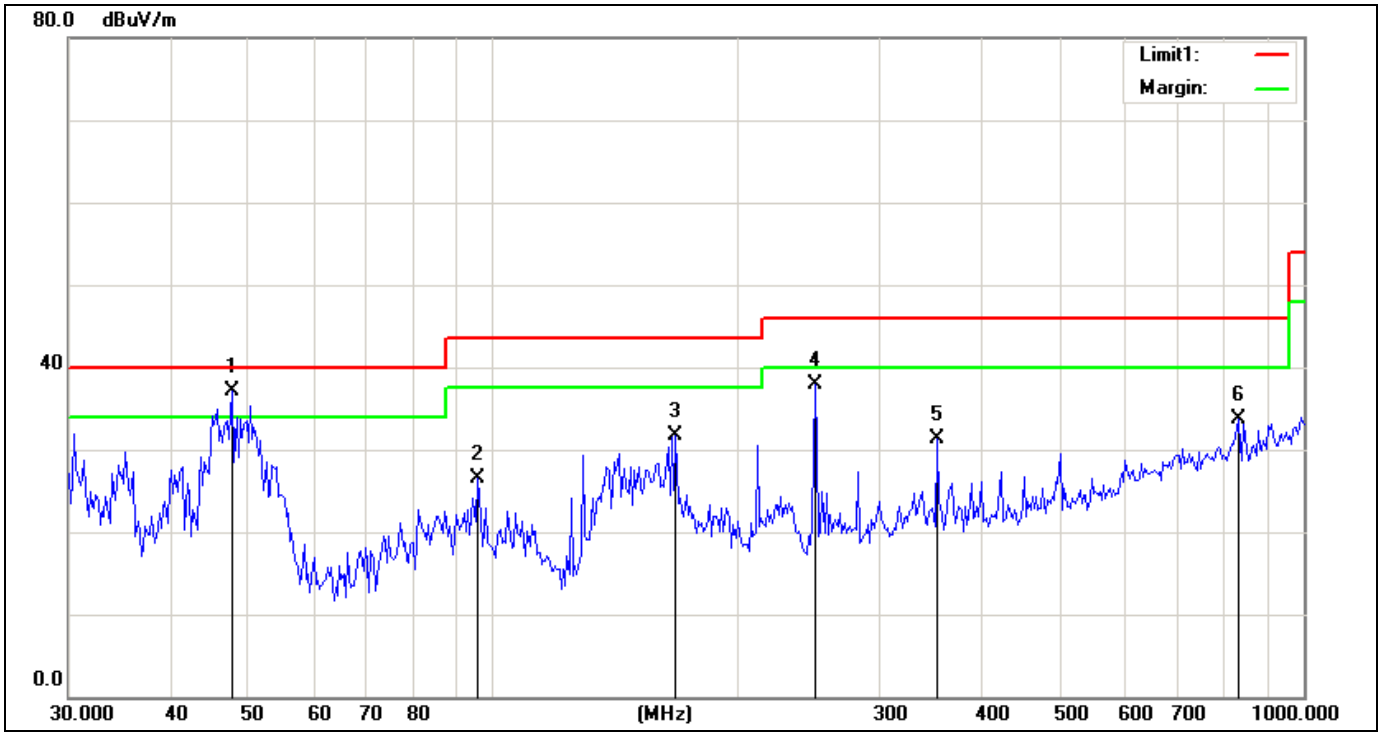


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.5100	13.30	19.12	32.42	40.00	-7.58	QP
2	47.8282	26.89	10.52	37.41	40.00	-2.59	QP
3	166.5241	22.52	10.58	33.10	43.50	-10.40	QP
4	249.5708	24.06	13.66	37.72	46.00	-8.28	QP
5	353.5945	15.11	17.35	32.46	46.00	-13.54	QP
6	844.8599	8.53	25.19	33.72	46.00	-12.28	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1864.982	40.42	13.58	54.00	74.00	-20.00	peak
2	1864.982	19.92	13.58	33.50	54.00	-20.50	AVG
3	2619.665	36.92	18.37	55.29	74.00	-18.71	peak
4	2619.665	18.13	18.37	36.50	54.00	-17.50	AVG
5	9991.481	30.22	25.68	55.90	74.00	-18.10	peak
6	9991.481	11.82	25.68	37.50	54.00	-16.50	AVG
7	16849.641	29.51	35.14	64.65	74.00	-9.35	peak
8	16849.641	12.76	35.14	47.90	54.00	-6.10	AVG

Test Result:	**Pass**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**10:19:19**
EUT:	**BLU-RAY DISC SYSTEM**	**Model:**	**BDS 577**
Note:	**802.11 g 2462**		

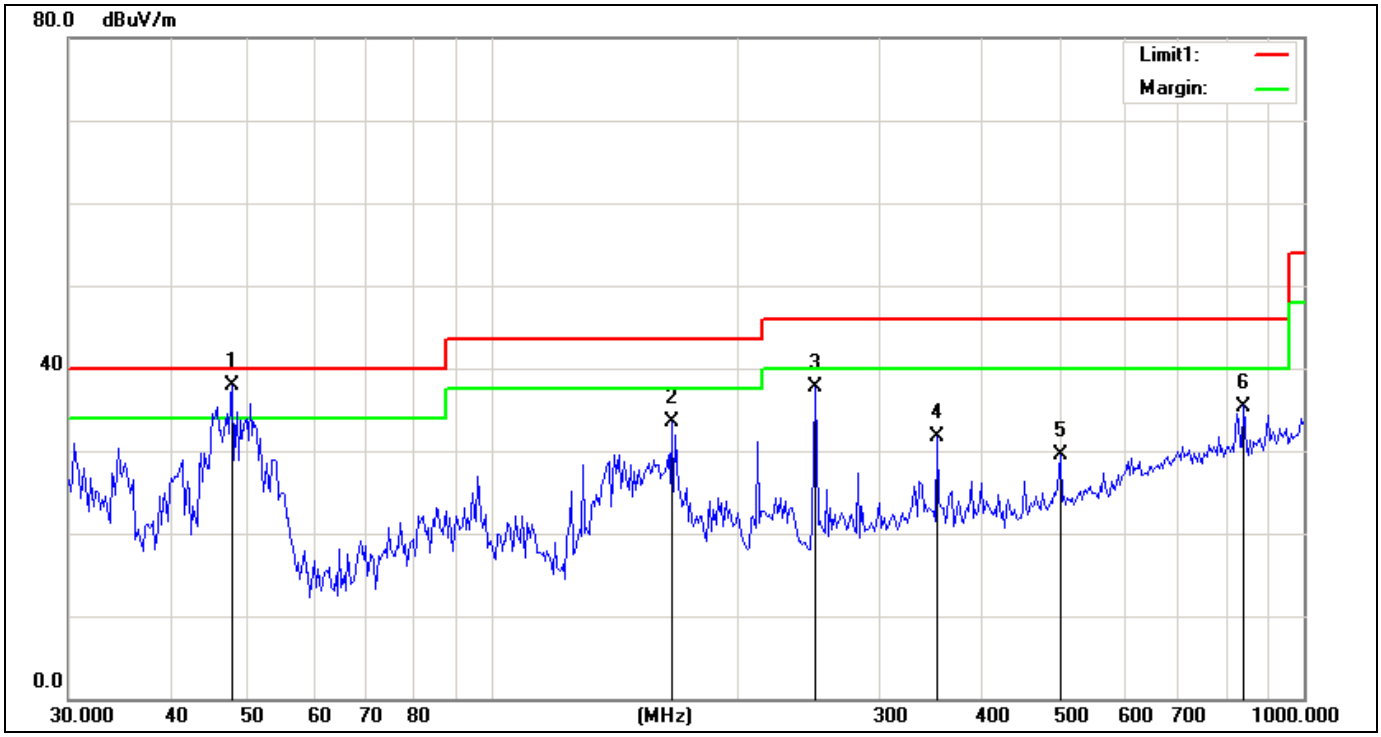


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	26.67	10.52	37.19	40.00	-2.81	QP
2	96.0079	16.66	9.86	26.52	43.50	-16.98	QP
3	168.4062	21.10	10.54	31.64	43.50	-11.86	QP
4	249.5708	24.18	13.66	37.84	46.00	-8.16	QP
5	353.5945	13.92	17.35	31.27	46.00	-14.73	QP
6	830.7362	8.52	25.27	33.79	46.00	-12.21	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1864.982	40.54	13.58	54.12	74.00	-19.88	peak
2	1864.982	21.92	13.58	35.50	54.00	-18.50	AVG
3	2551.388	37.70	17.53	55.23	74.00	-18.77	peak
4	2551.388	18.77	17.53	36.30	54.00	-17.70	AVG
5	12826.912	29.81	27.61	57.42	74.00	-16.58	peak
6	12826.912	12.19	27.61	39.80	54.00	-14.20	AVG
7	16801.328	30.45	34.94	65.39	74.00	-8.61	peak
8	16801.328	11.76	34.94	46.70	54.00	-7.30	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**10:25:00**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N20 2412**		

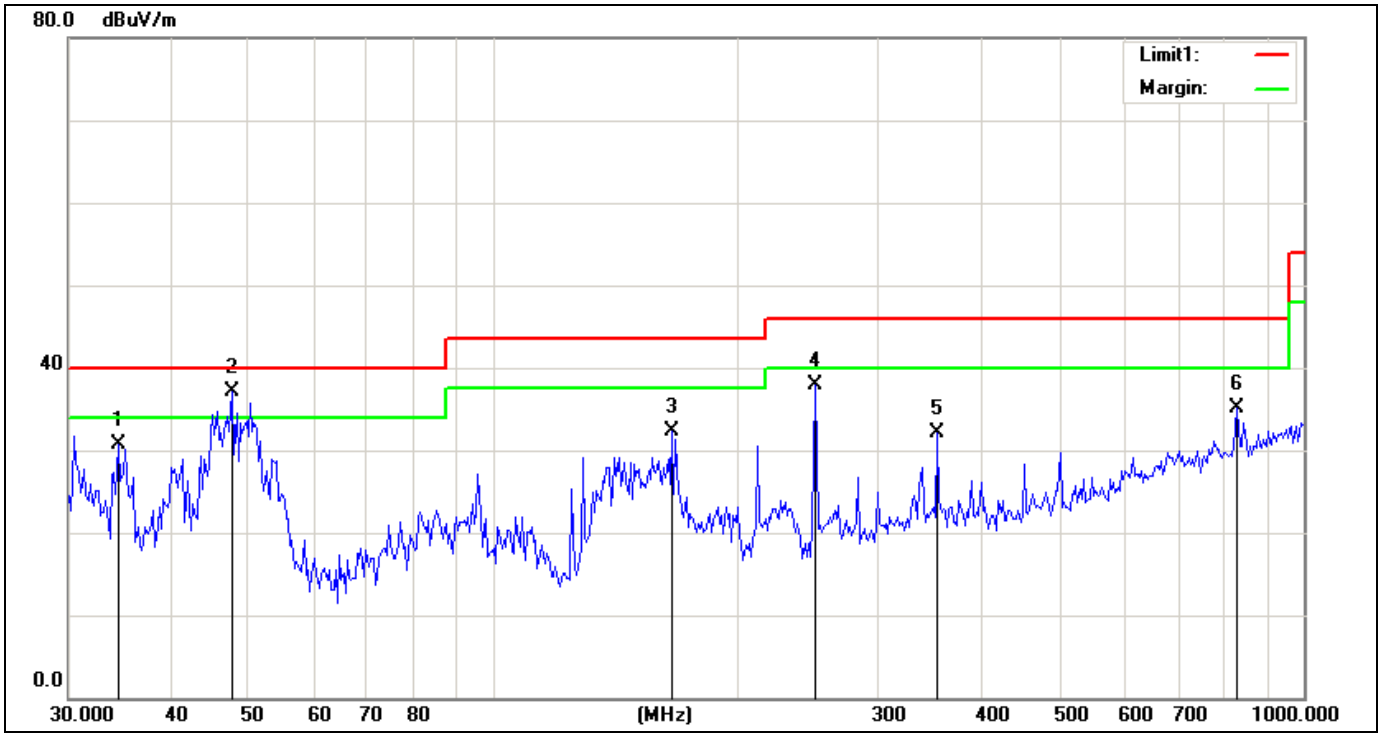


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	27.40	10.52	37.92	40.00	-2.08	QP
2	166.5241	22.93	10.58	33.51	43.50	-9.99	QP
3	249.5708	23.95	13.66	37.61	46.00	-8.39	QP
4	353.5945	14.31	17.35	31.66	46.00	-14.34	QP
5	500.9763	9.78	19.79	29.57	46.00	-16.43	QP
6	844.8599	10.21	25.19	35.40	46.00	-10.60	QP

Emission above 1GHz:

1	1868.268	44.23	13.59	57.82	74.00	-16.18	peak
2	1868.268	25.31	13.59	38.90	54.00	-15.10	AVG
3	2511.279	39.16	17.10	56.26	74.00	-17.74	peak
4	2511.279	20.30	17.10	37.40	54.00	-16.60	AVG
5	12826.912	30.61	27.61	58.22	74.00	-15.78	peak
6	12826.912	11.59	27.61	39.20	54.00	-14.80	AVG
7	16801.328	30.13	34.94	65.07	74.00	-8.93	peak
8	16801.328	14.16	34.94	49.10	54.00	-4.90	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**10:33:40**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N20 2412**		

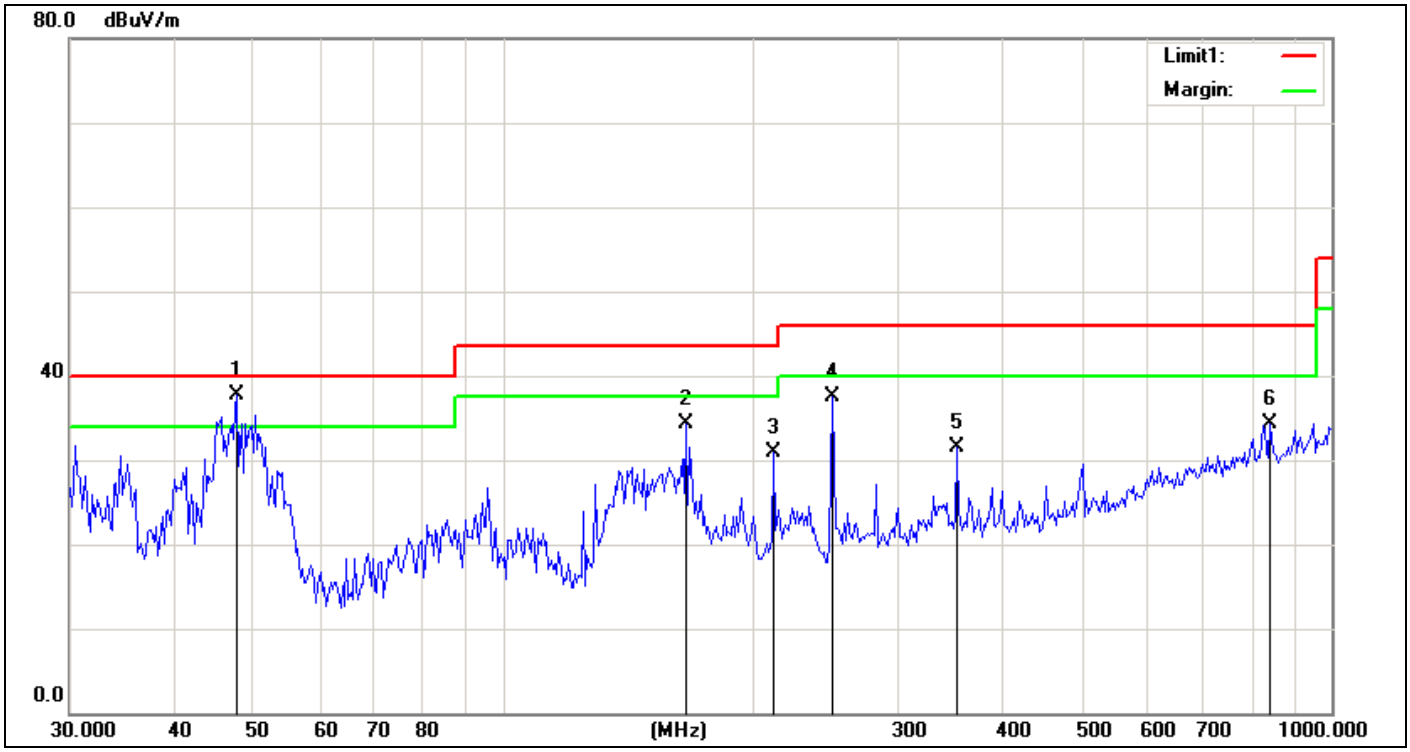


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	34.5250	13.97	16.68	30.65	40.00	-9.35	QP
2	47.8282	26.56	10.52	37.08	40.00	-2.92	QP
3	166.5241	21.71	10.58	32.29	43.50	-11.21	QP
4	249.5708	24.18	13.66	37.84	46.00	-8.16	QP
5	353.5945	14.72	17.35	32.07	46.00	-13.93	QP
6	826.0810	9.86	25.30	35.16	46.00	-10.84	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1868.268	44.23	13.59	57.82	74.00	-16.18	peak
2	1868.268	25.31	13.59	38.90	54.00	-15.10	AVG
3	2510.265	37.16	17.10	54.26	74.00	-19.74	peak
4	2510.265	22.30	17.10	39.40	54.00	-14.60	AVG
5	13507.307	30.62	28.94	59.56	74.00	-14.44	peak
6	13507.307	12.66	28.94	41.60	54.00	-12.40	AVG
7	16801.328	31.76	34.94	66.70	74.00	-7.30	peak
8	16801.328	13.16	34.94	48.10	54.00	-5.90	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**10:40:15**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N20 2437**		

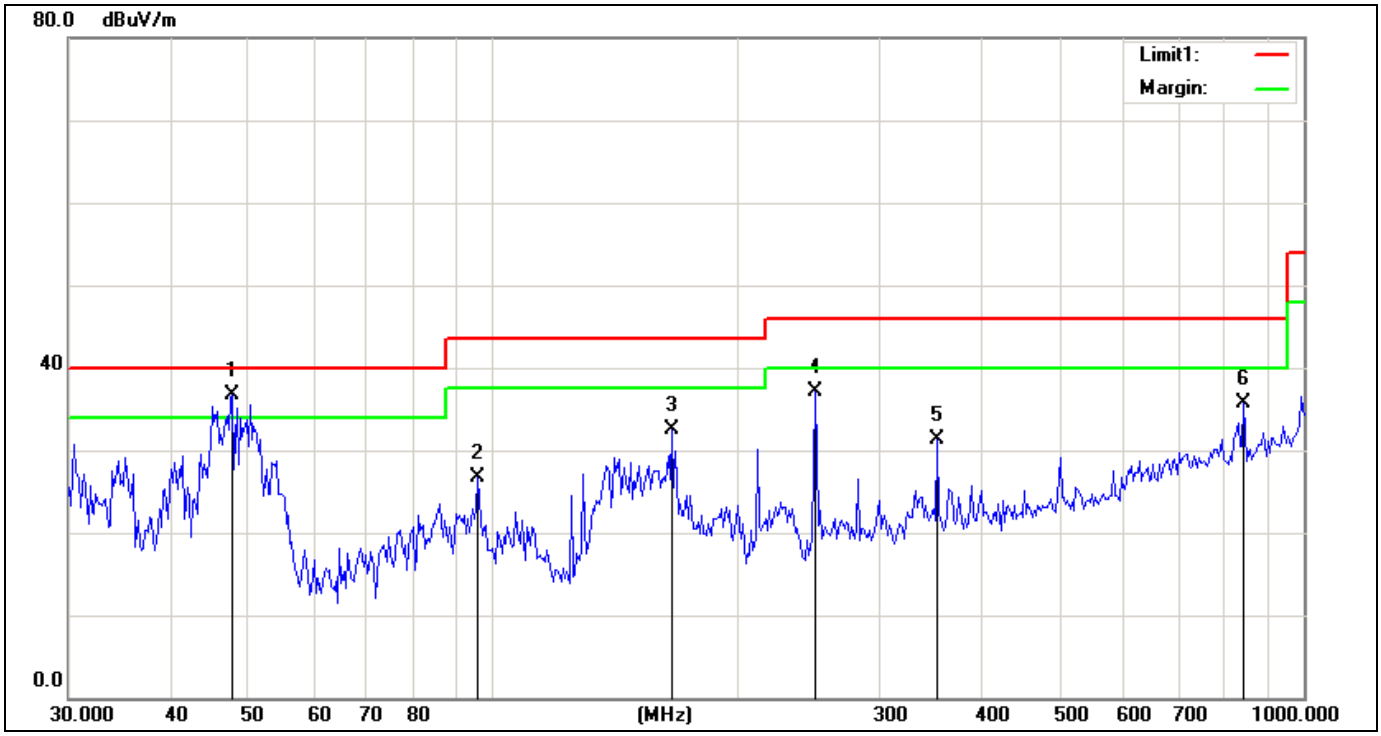


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	27.13	10.52	37.65	40.00	-2.35	QP
2	166.5241	23.67	10.58	34.25	43.50	-9.25	QP
3	212.0406	18.80	12.05	30.85	43.50	-12.65	QP
4	249.5707	23.81	13.66	37.47	46.00	-8.53	QP
5	353.5944	14.13	17.35	31.48	46.00	-14.52	QP
6	844.8599	9.05	25.19	34.24	46.00	-11.76	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1864.982	41.70	13.58	55.28	74.00	-18.72	peak
2	1864.982	22.52	13.58	36.10	54.00	-17.90	AVG
3	2937.283	39.28	22.94	62.22	74.00	-11.78	peak
4	2937.283	19.96	22.94	42.90	54.00	-11.10	AVG
5	13429.960	28.52	28.83	57.35	74.00	-16.65	peak
6	13429.960	10.27	28.83	39.10	54.00	-14.90	AVG
7	16898.093	29.79	35.33	65.12	74.00	-8.88	peak
8	16898.093	10.47	35.33	45.80	54.00	-8.20	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**10:46:49**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N20 2437**		

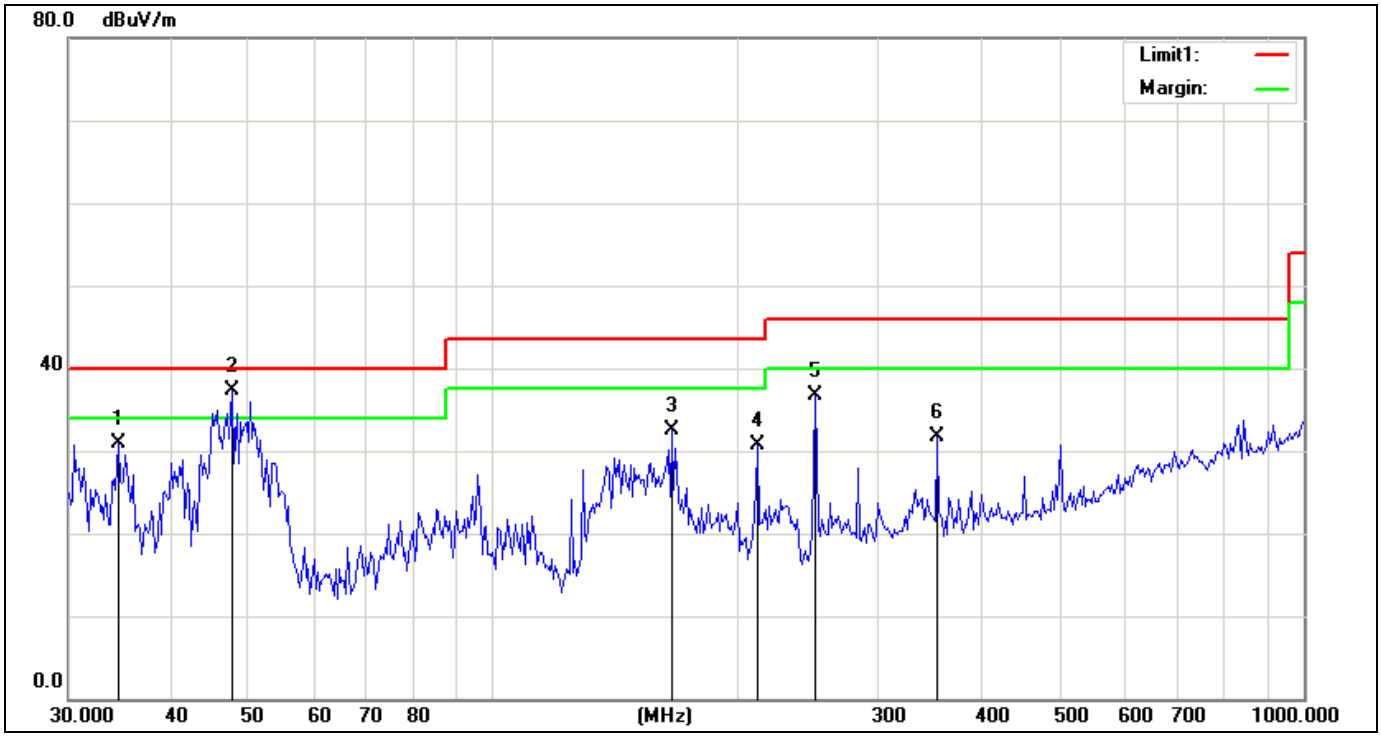


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	26.25	10.52	36.77	40.00	-3.23	QP
2	96.0079	16.92	9.86	26.78	43.50	-16.72	QP
3	166.5241	21.96	10.58	32.54	43.50	-10.96	QP
4	249.5708	23.37	13.66	37.03	46.00	-8.97	QP
5	353.5945	13.93	17.35	31.28	46.00	-14.72	QP
6	844.8599	10.56	25.19	35.75	46.00	-10.25	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2564.899	42.78	17.69	60.47	74.00	-13.53	peak
2	2564.899	24.91	17.69	42.60	54.00	-11.40	AVG
3	2937.283	43.06	22.94	66.00	74.00	-8.00	peak
4	2937.283	25.96	22.94	48.90	54.00	-5.10	AVG
5	12790.133	31.19	27.47	58.66	74.00	-15.34	peak
6	12790.133	12.83	27.47	40.30	54.00	-13.70	AVG
7	17440.346	29.94	35.53	65.47	74.00	-8.53	peak
8	17440.346	11.77	35.53	47.30	54.00	-6.70	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**10:51:57**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N20 2462**		

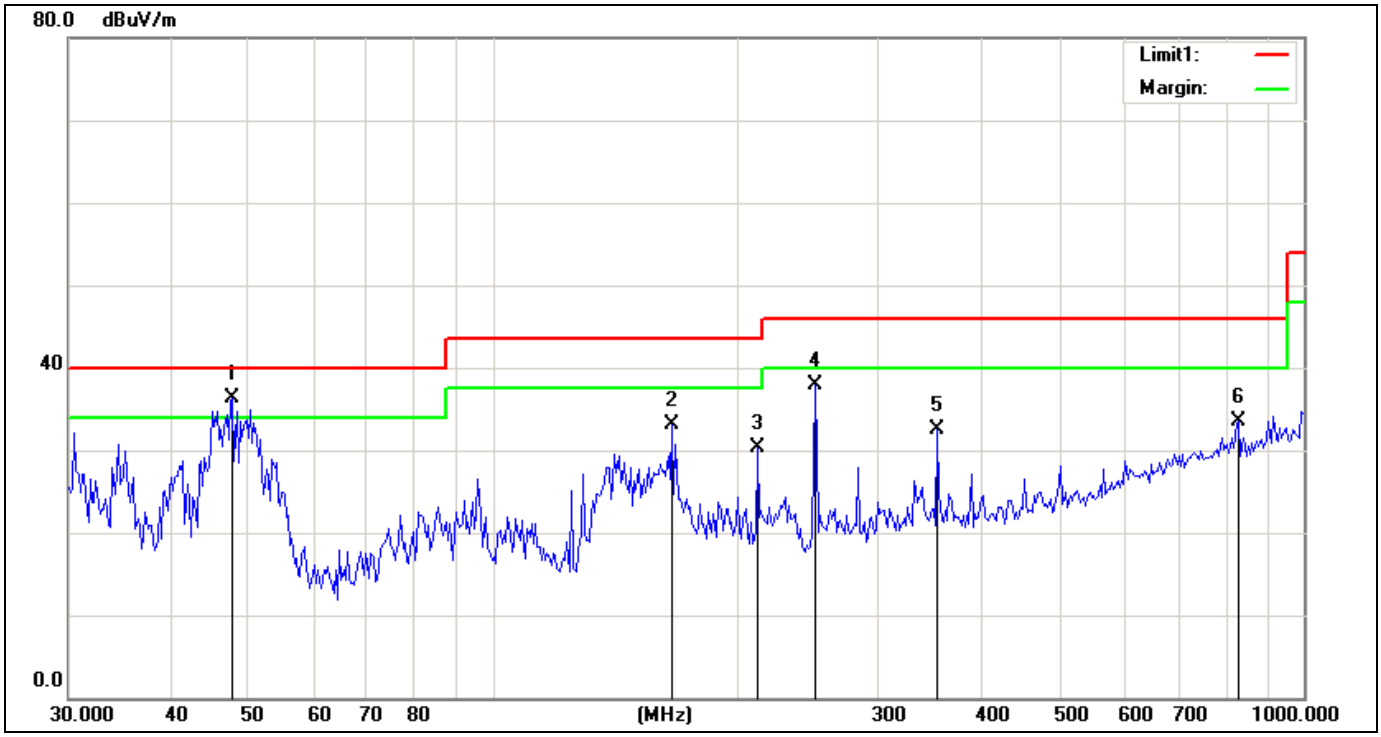


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	34.5250	14.15	16.68	30.83	40.00	-9.17	QP
2	47.8282	26.82	10.52	37.34	40.00	-2.66	QP
3	166.5241	21.87	10.58	32.45	43.50	-11.05	QP
4	212.0406	18.59	12.05	30.64	43.50	-12.86	QP
5	249.5708	23.09	13.66	36.75	46.00	-9.25	QP
6	353.5945	14.34	17.35	31.69	46.00	-14.31	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1864.982	45.05	13.58	58.63	74.00	-15.37	peak
2	1864.982	26.62	13.58	40.20	54.00	-13.80	AVG
3	2022.306	41.96	14.19	56.15	74.00	-17.85	peak
4	2022.306	22.91	14.19	37.10	54.00	-16.90	AVG
5	12790.133	30.30	27.47	57.77	74.00	-16.23	peak
6	12790.133	11.93	27.47	39.40	54.00	-14.60	AVG
7	16801.328	29.69	34.94	64.63	74.00	-9.37	peak
8	16801.328	11.36	34.94	46.30	54.00	-7.70	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**10:57:38**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N20 2462**		

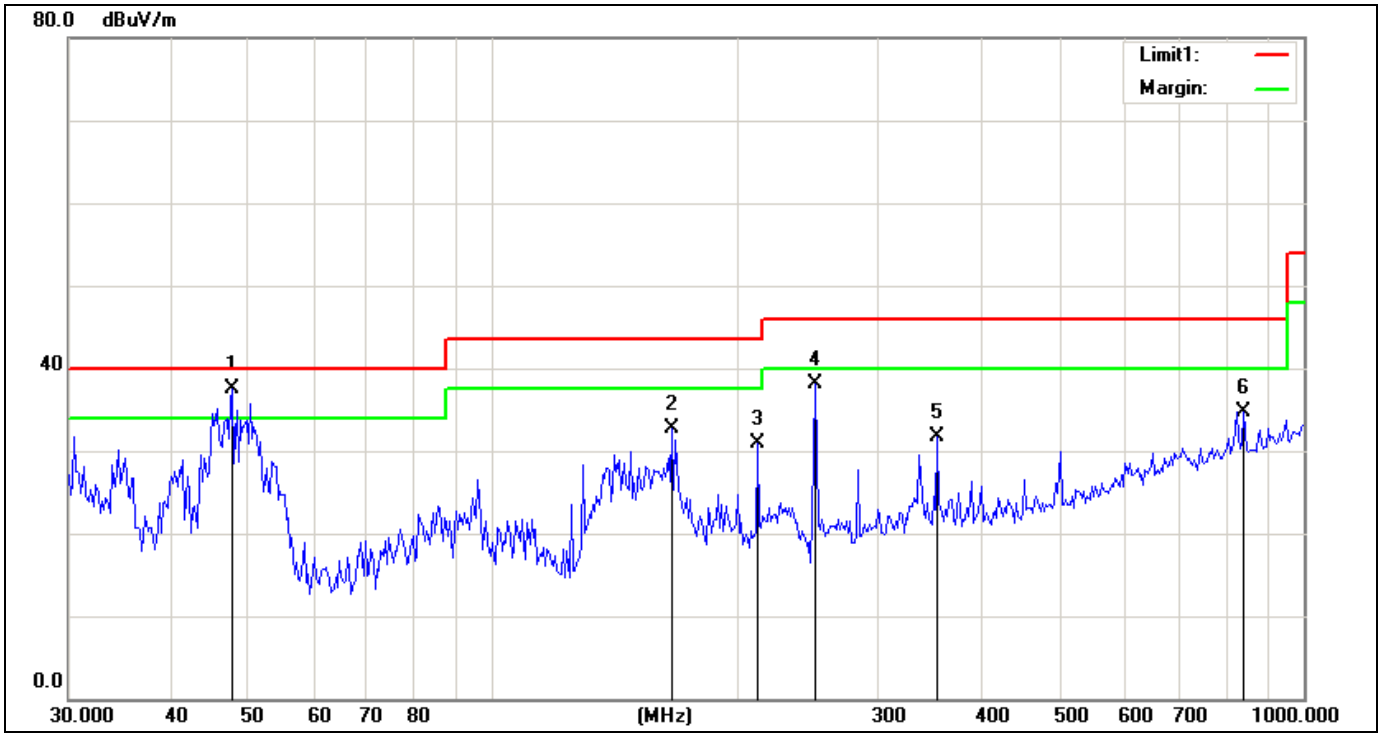


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	25.76	10.52	36.28	40.00	-3.72	QP
2	166.5241	22.58	10.58	33.16	43.50	-10.34	QP
3	212.0406	18.26	12.05	30.31	43.50	-13.19	QP
4	249.5708	24.21	13.66	37.87	46.00	-8.13	QP
5	353.5945	15.12	17.35	32.47	46.00	-13.53	QP
6	830.7362	8.16	25.27	33.43	46.00	-12.57	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1868.268	44.72	13.59	58.31	74.00	-15.69	peak
2	1868.268	26.01	13.59	39.60	54.00	-14.40	AVG
3	2546.900	36.96	17.48	54.44	74.00	-19.56	peak
4	2546.900	18.53	17.48	36.01	54.00	-17.99	AVG
5	10223.655	30.51	25.20	55.71	74.00	-18.29	peak
6	10223.655	13.90	25.20	39.10	54.00	-14.90	AVG
7	16801.328	29.92	34.94	64.86	74.00	-9.14	peak
8	16801.328	10.26	34.94	45.20	54.00	-8.80	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**11:04:25**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N40 2422**		

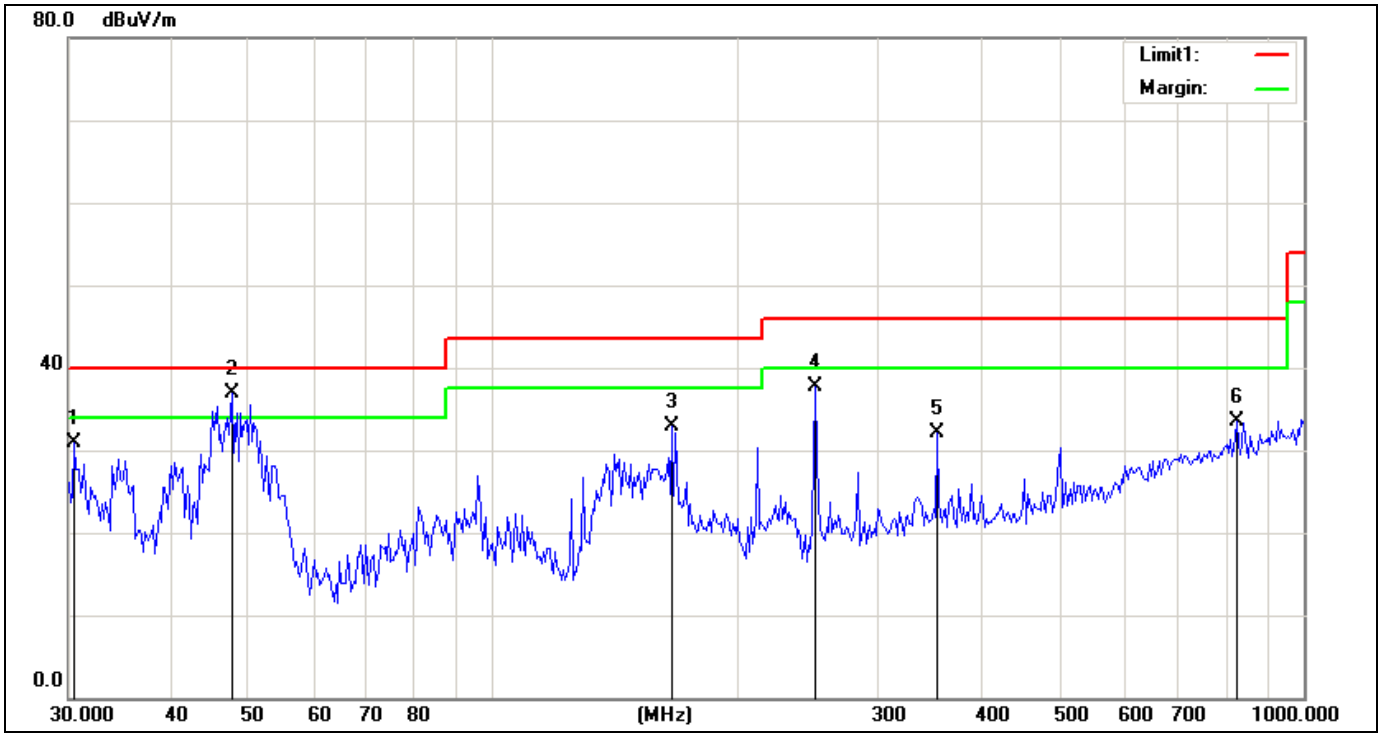


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	26.98	10.52	37.50	40.00	-2.50	QP
2	166.5241	22.03	10.58	32.61	43.50	-10.89	QP
3	212.0406	18.81	12.05	30.86	43.50	-12.64	QP
4	249.5708	24.48	13.66	38.14	46.00	-7.86	QP
5	353.5945	14.27	17.35	31.62	46.00	-14.38	QP
6	844.8599	9.51	25.19	34.70	46.00	-11.30	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1871.560	41.13	13.60	54.73	74.00	-19.27	peak
2	1871.560	22.80	13.60	36.40	54.00	-17.60	AVG
3	2875.878	39.68	22.09	61.77	74.00	-12.23	peak
4	2875.878	20.81	22.09	42.90	54.00	-11.10	AVG
5	9272.715	29.94	24.56	54.50	74.00	-19.50	peak
6	9272.715	14.94	24.56	39.50	54.00	-14.50	AVG
7	16995.414	29.31	35.73	65.04	74.00	-8.96	peak
8	16995.414	12.37	35.73	48.10	54.00	-5.90	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**11:11:57**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N40 2422**		

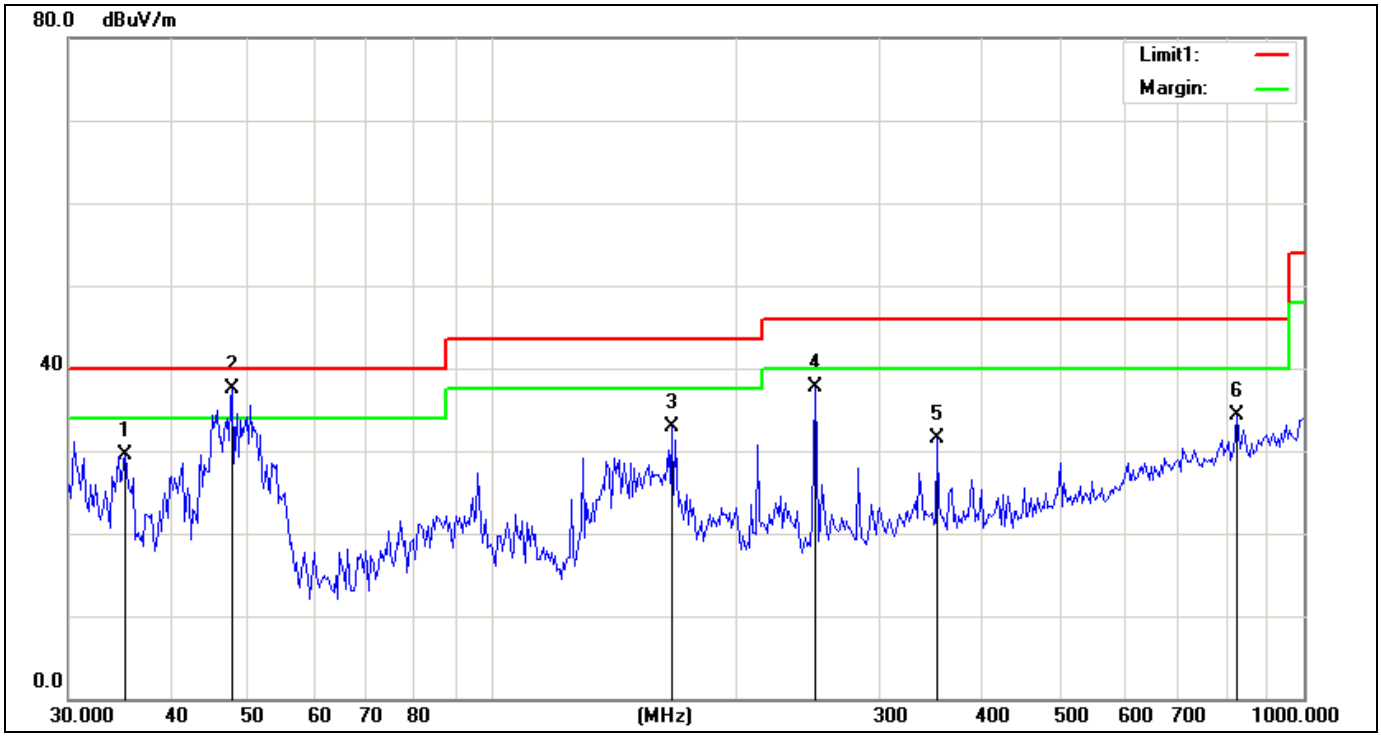


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.5100	11.87	19.12	30.99	40.00	-9.01	QP
2	47.8282	26.32	10.52	36.84	40.00	-3.16	QP
3	166.5241	22.38	10.58	32.96	43.50	-10.54	QP
4	249.5708	24.09	13.66	37.75	46.00	-8.25	QP
5	353.5945	14.67	17.35	32.02	46.00	-13.98	QP
6	826.0810	8.15	25.30	33.45	46.00	-12.55	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1868.268	42.06	13.59	55.65	74.00	-18.35	peak
2	1868.268	24.61	13.59	38.20	54.00	-15.80	AVG
3	2875.878	38.01	22.09	60.10	74.00	-13.90	peak
4	2875.878	20.51	22.09	42.60	54.00	-11.40	AVG
5	9272.715	31.18	24.56	55.74	74.00	-18.26	peak
6	9272.715	10.54	24.56	35.10	54.00	-18.90	AVG
7	16801.328	31.39	34.94	66.33	74.00	-7.67	peak
8	16801.328	13.96	34.94	48.90	54.00	-5.10	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**11:18:21**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N40 2437**		

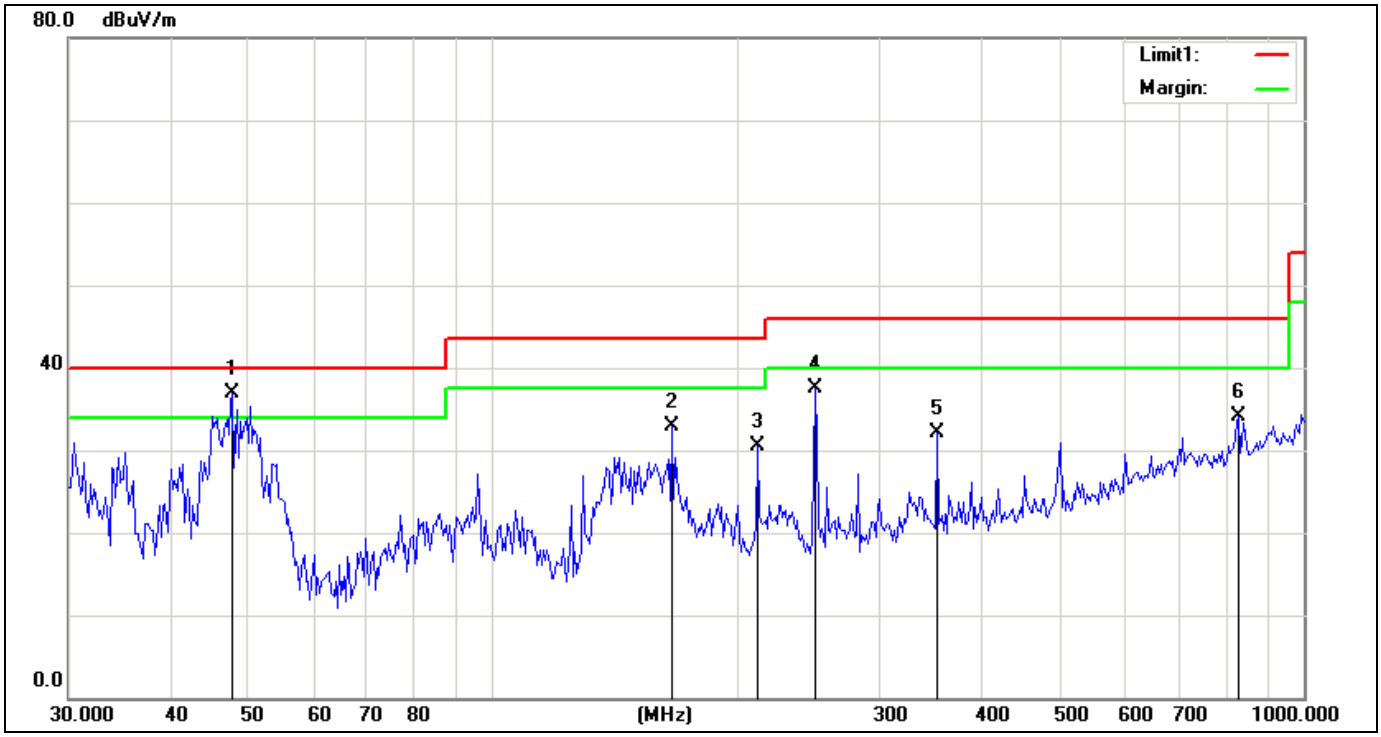


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	35.3098	13.34	16.19	29.53	40.00	-10.47	QP
2	47.8282	27.01	10.52	37.53	40.00	-2.47	QP
3	166.5241	22.32	10.58	32.90	43.50	-10.60	QP
4	249.5708	24.11	13.66	37.77	46.00	-8.23	QP
5	353.5945	14.16	17.35	31.51	46.00	-14.49	QP
6	826.0810	8.96	25.30	34.26	46.00	-11.74	

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1868.268	42.76	13.59	56.35	74.00	-17.65	peak
2	1868.268	23.51	13.59	37.10	54.00	-16.90	AVG
3	2926.959	37.77	22.79	60.56	74.00	-13.44	peak
4	2926.959	19.31	22.79	42.10	54.00	-11.90	AVG
5	10135.964	31.57	25.40	56.97	74.00	-17.03	peak
6	10135.964	14.00	25.40	39.40	54.00	-14.60	AVG
7	16849.641	30.79	35.14	65.93	74.00	-8.07	peak
8	16849.641	13.36	35.14	48.50	54.00	-5.50	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**11:23:57**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N40 2437**		

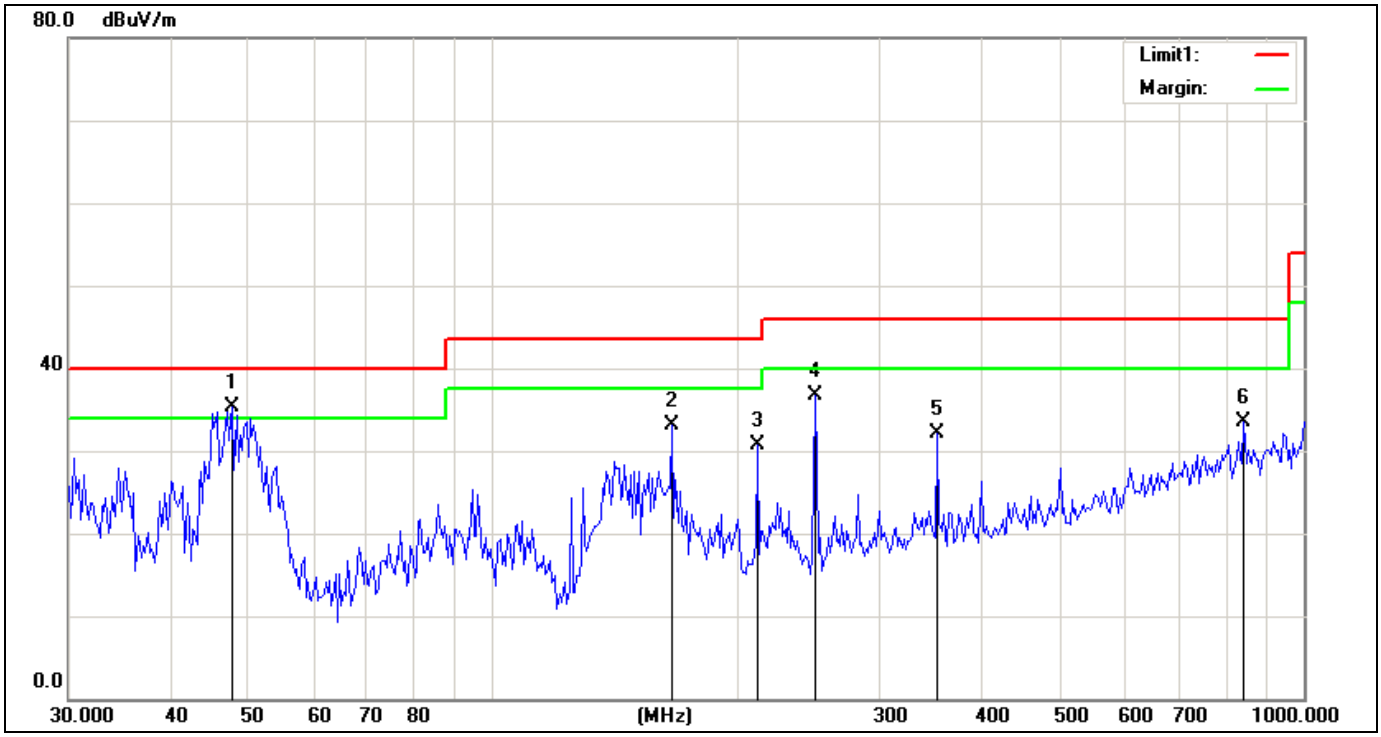


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	26.29	10.52	36.81	40.00	-3.19	QP
2	166.5241	22.37	10.58	32.95	43.50	-10.55	QP
3	212.0406	18.44	12.05	30.49	43.50	-13.01	QP
4	249.5708	23.75	13.66	37.41	46.00	-8.59	QP
5	353.5945	14.76	17.35	32.11	46.00	-13.89	QP
6	830.7362	8.81	25.27	34.08	46.00	-11.92	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1668.168	40.76	13.59	54.35	74.00	-19.65	peak
2	1668.168	21.51	13.59	35.10	54.00	-18.90	AVG
3	2826.359	32.77	22.79	58.56	74.00	-15.44	peak
4	2826.359	17.31	22.79	40.10	54.00	-13.90	AVG
5	9219.616	30.93	24.49	55.42	74.00	-18.58	peak
6	9219.616	12.91	24.49	37.40	54.00	-16.60	AVG
7	16801.328	30.99	34.94	65.93	74.00	-8.07	peak
8	16801.328	13.16	34.94	48.10	54.00	-5.90	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**11:29:23**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N40 2452**		

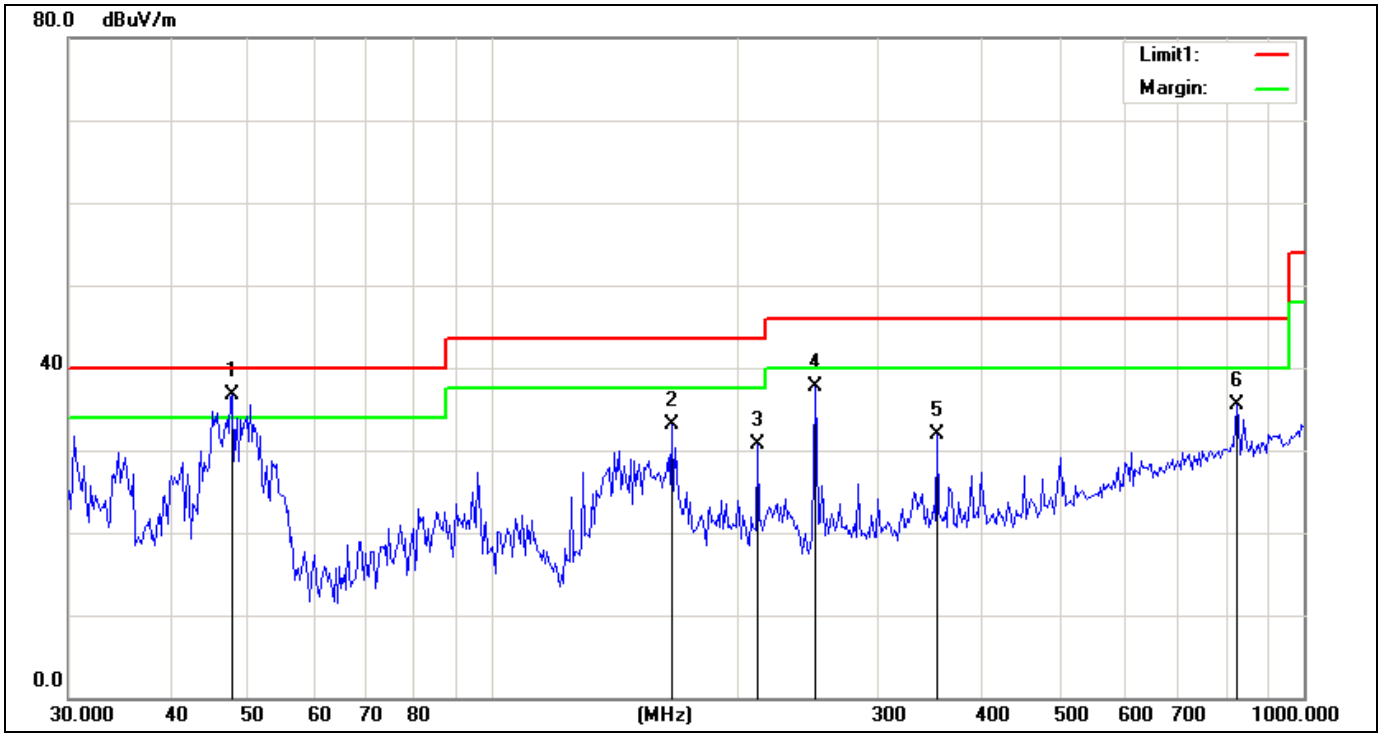


No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	24.79	10.52	35.31	40.00	-4.69	QP
2	166.5241	22.54	10.58	33.12	43.50	-10.38	QP
3	212.0406	18.56	12.05	30.61	43.50	-12.89	QP
4	249.5708	23.12	13.66	36.78	46.00	-9.22	QP
5	353.5945	14.76	17.35	32.11	46.00	-13.89	QP
6	844.8599	8.39	25.19	33.58	46.00	-12.42	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1864.982	43.73	13.58	57.31	74.00	-16.69	peak
2	1864.982	25.82	13.58	39.40	54.00	-14.60	AVG
3	2596.705	38.28	18.03	56.31	74.00	-17.69	peak
4	2596.705	19.17	18.03	37.20	54.00	-16.80	AVG
5	9272.715	29.94	24.56	54.50	74.00	-19.50	peak
6	9272.715	14.94	24.56	39.50	54.00	-14.50	AVG
7	16995.414	29.31	35.73	65.04	74.00	-8.96	peak
8	16995.414	12.37	35.73	48.10	54.00	-5.90	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-7-20**
Temp./Hum.(%RH):	**21/53%RH**	**Time:**	**11:35:54**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11N40 2452**		



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	47.8282	26.15	10.52	36.67	40.00	-3.33	QP
2	166.5241	22.57	10.58	33.15	43.50	-10.35	QP
3	212.0406	18.62	12.05	30.67	43.50	-12.83	QP
4	249.5708	23.96	13.66	37.62	46.00	-8.38	QP
5	353.5945	14.47	17.35	31.82	46.00	-14.18	QP
6	826.0810	10.28	25.30	35.58	46.00	-10.42	QP

Emission above 1GHz:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1868.268	43.22	13.59	56.81	74.00	-17.19	peak
2	1868.268	23.51	13.59	37.10	54.00	-16.90	AVG
3	2932.117	37.93	22.87	60.80	74.00	-13.20	peak
4	2932.117	16.93	22.87	39.80	54.00	-14.20	AVG
5	9272.715	31.18	24.56	55.74	74.00	-18.26	peak
6	9272.715	10.54	24.56	35.10	54.00	-18.90	AVG
7	16801.328	31.39	34.94	66.33	74.00	-7.67	peak
8	16801.328	13.96	34.94	48.90	54.00	-5.10	AVG

Note: Below 30MHz, since the radiated emission of the EUT is too weak to be detected.

4.4 SPURIOUS EMISSIONS AT ANTENNA PORT

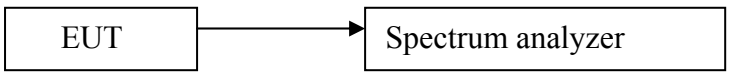
4.4.1 LIMITS

FCC 15.247(d) & 15.209

4.4.2 TEST PROCEDURES

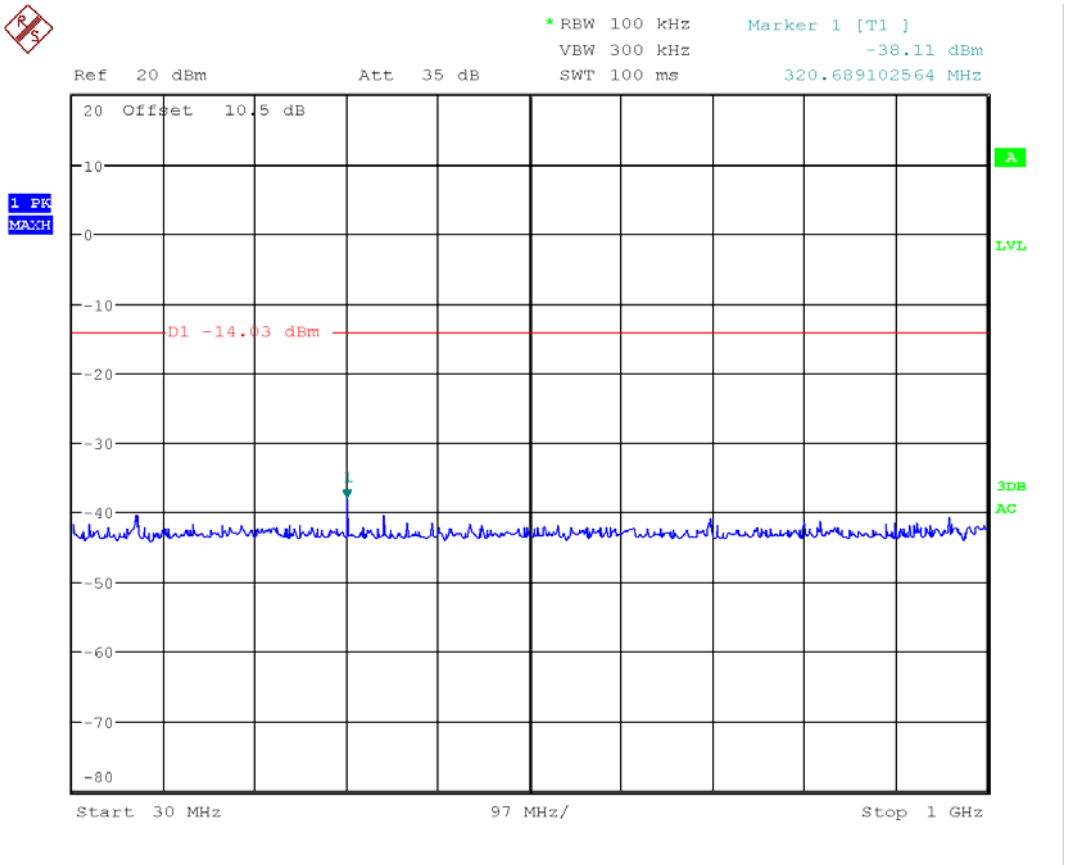
Remove the antenna from the EUT and then connect a low attenuation cable from the antenna port to the spectrum.
Below 1GHz Set the spectrum analyzer: RBW =100KHz VBW >= RBW , Span = enough to captch the trace. Sweep = auto; Detector Function = RMS. Trace = Max,hold.

4.4.3 TEST SETUP

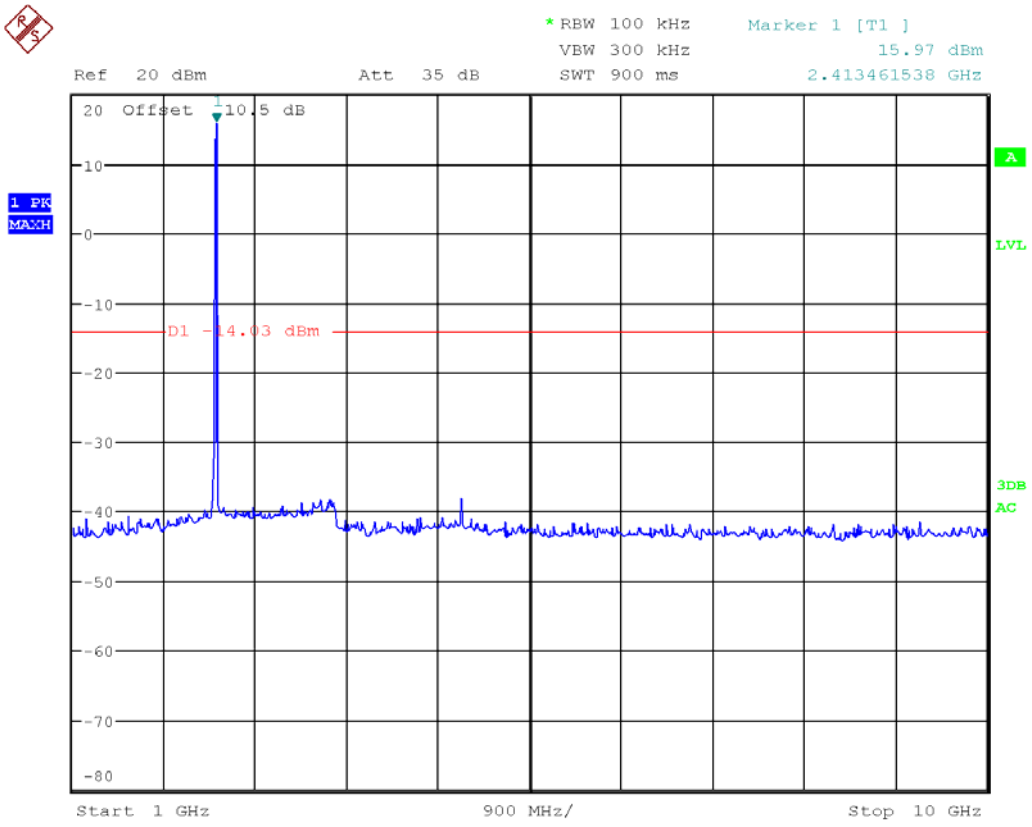


4.4.4 TEST RESULTS

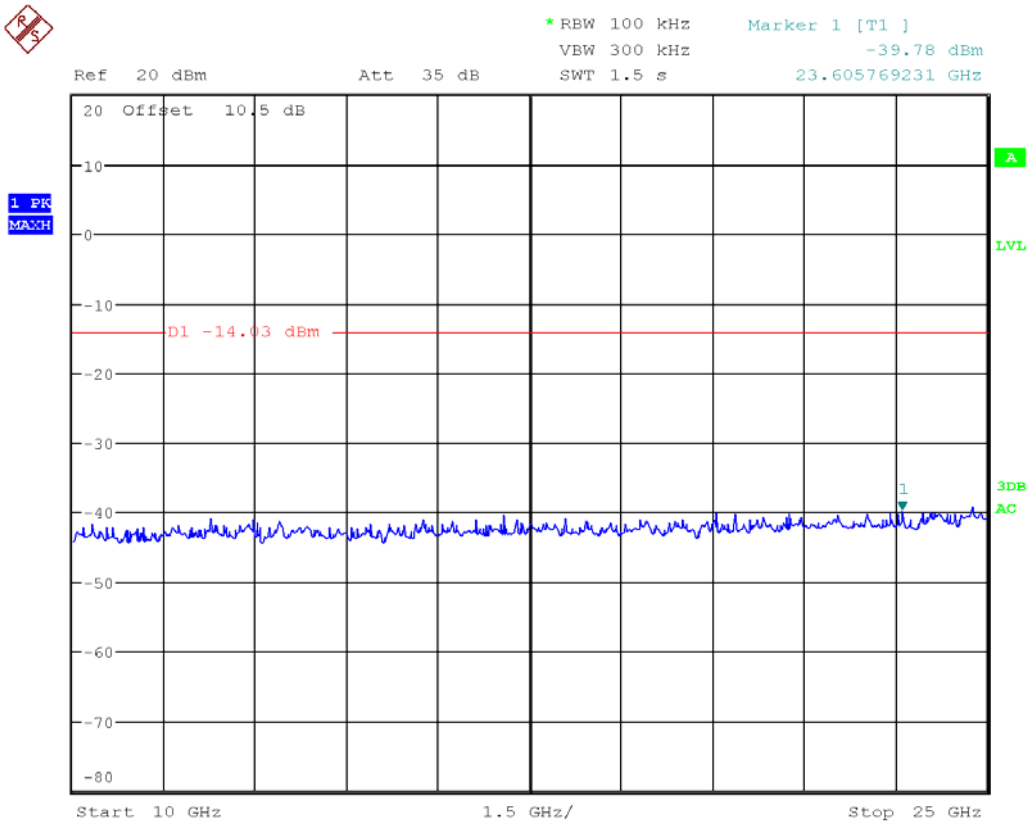
802.11b mode:
Channel 2412MHz
30M-1G



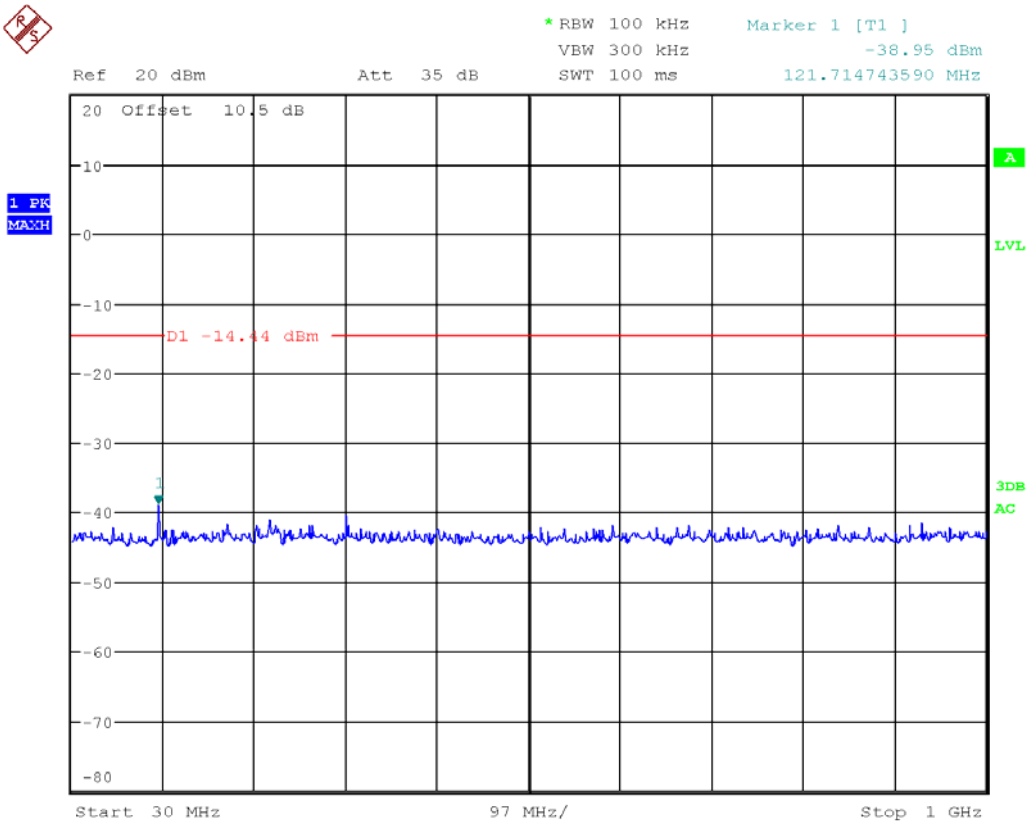
1G-10G



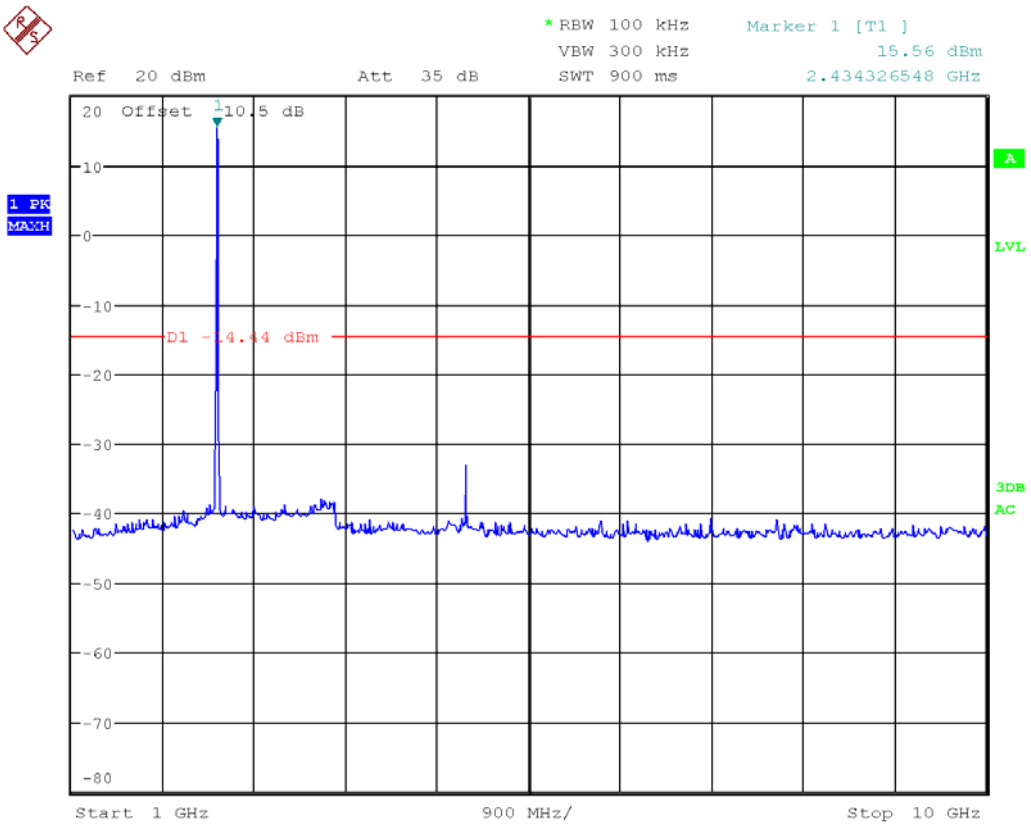
10G-25G



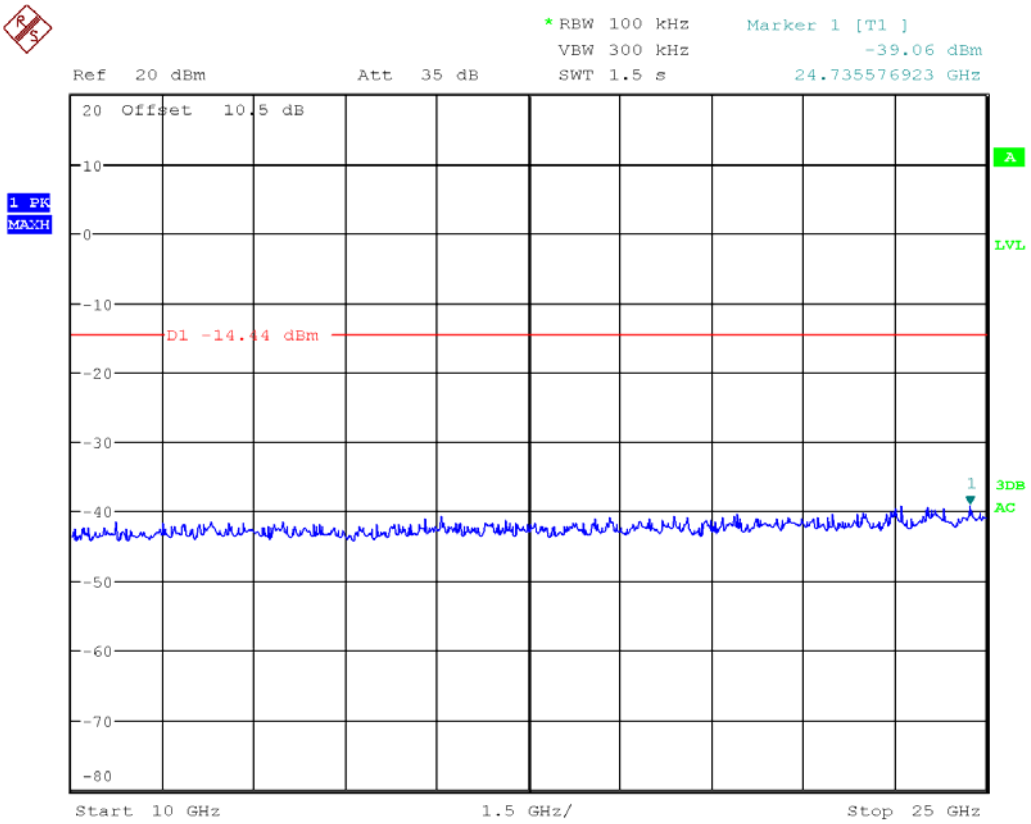
Channel 2437MHz
30M-1G



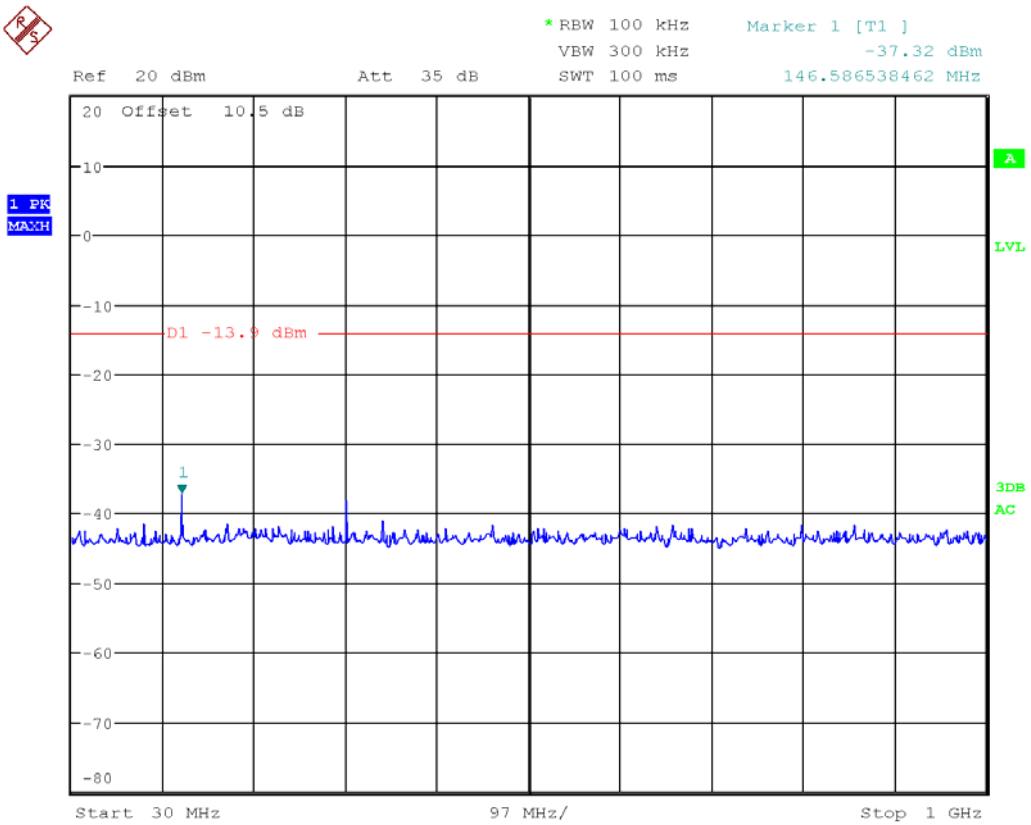
1G-10G



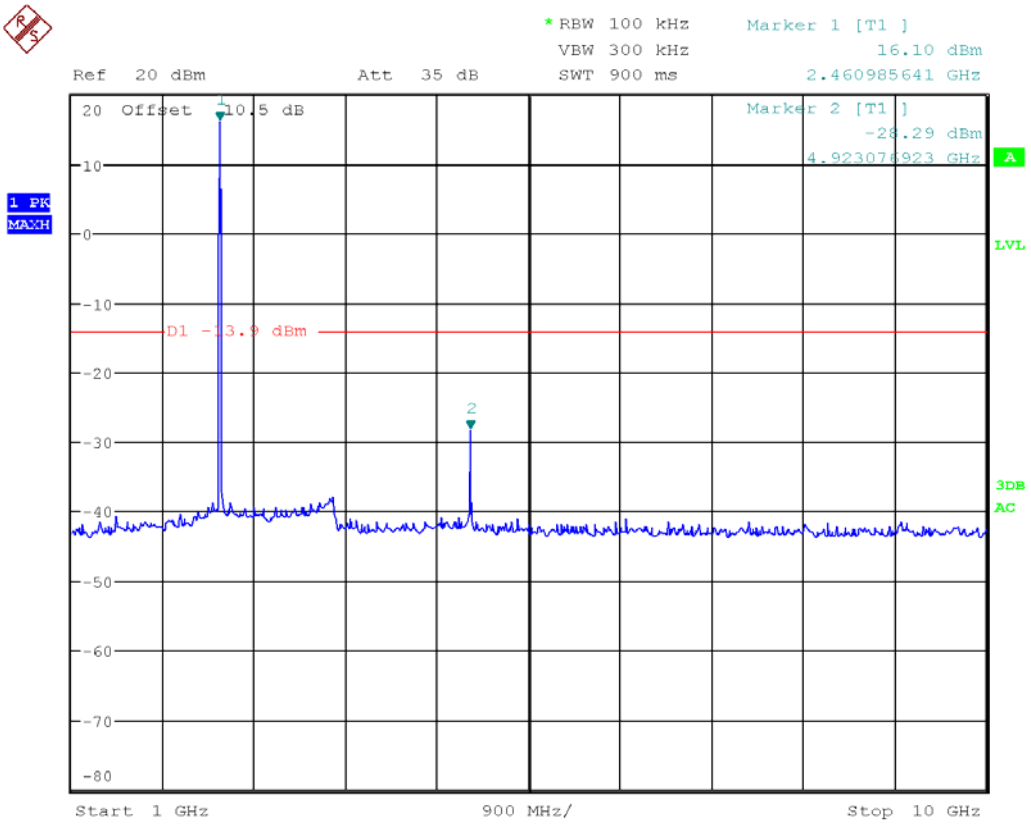
10G-25G



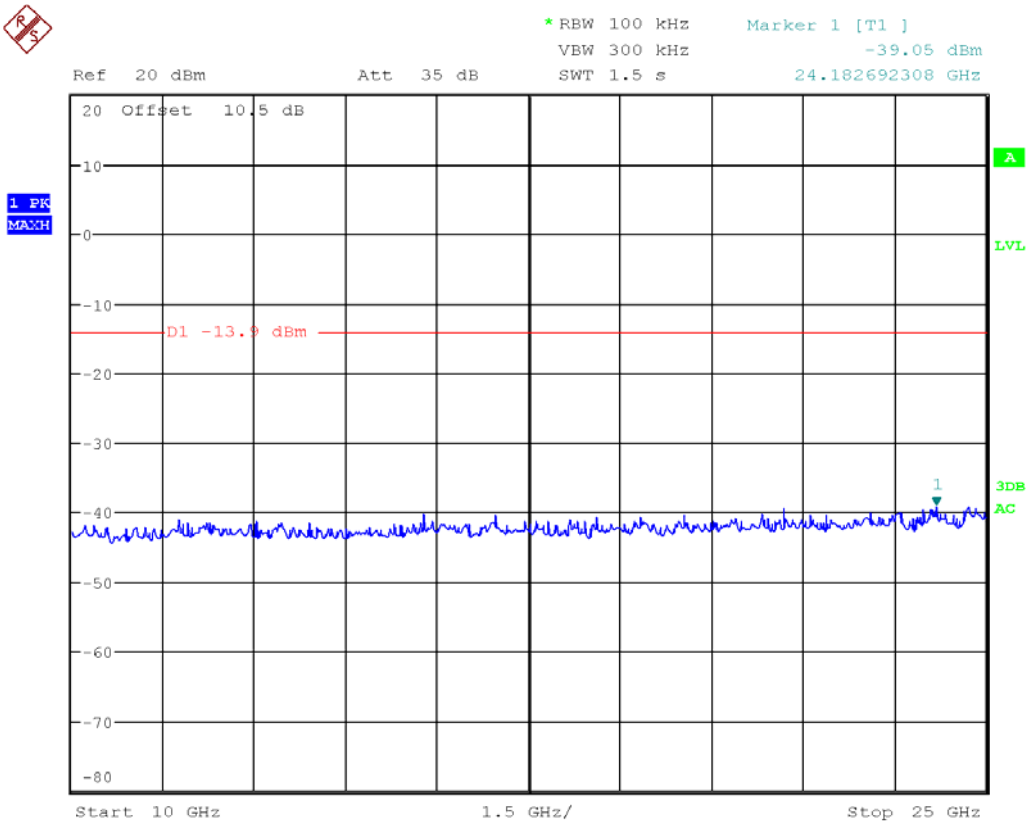
Channel 2462MHz
30M-1G



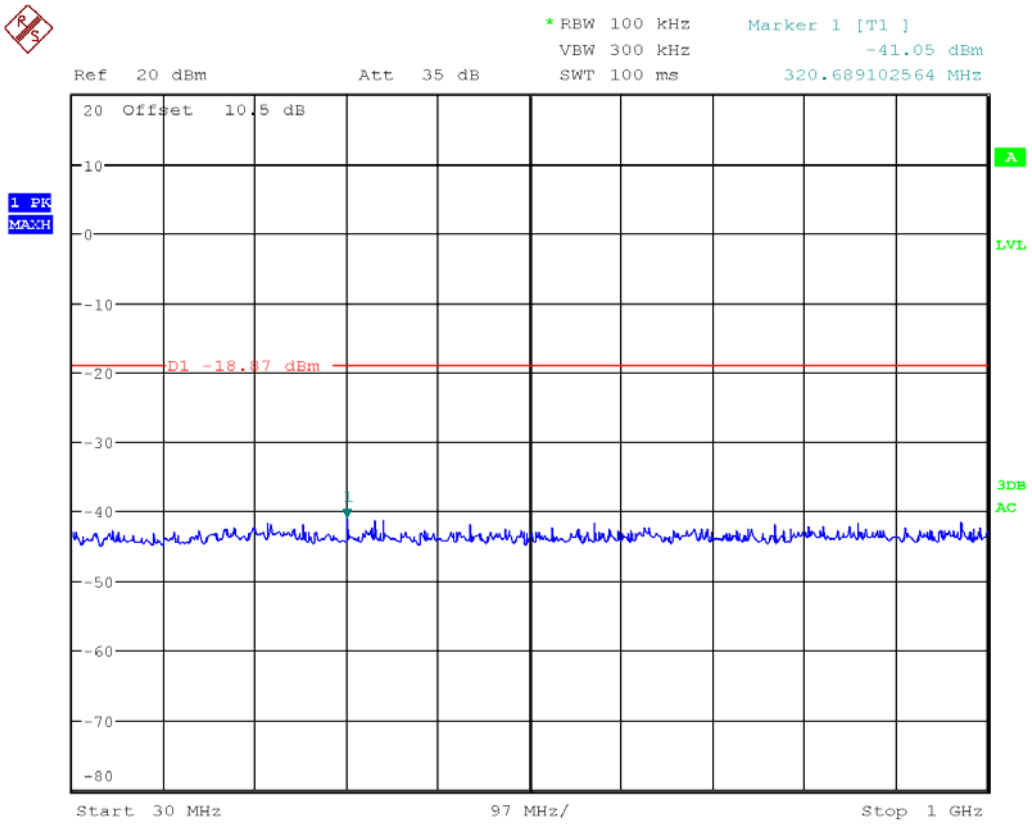
1G-10G



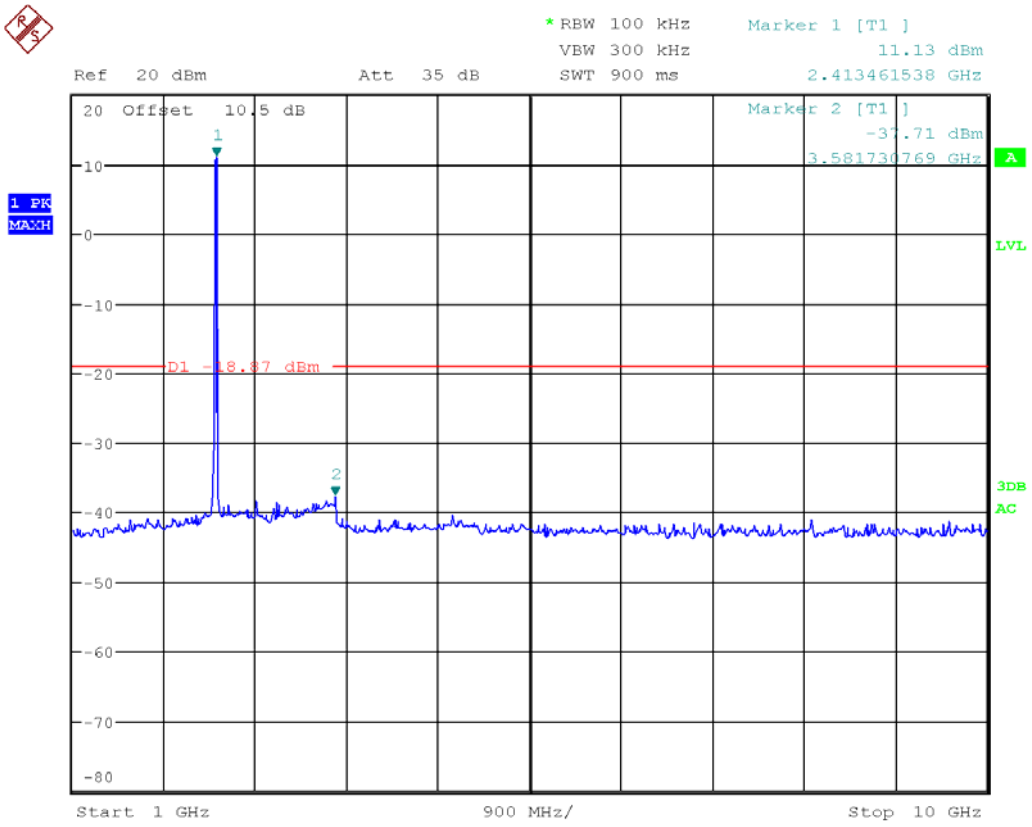
10G-25G



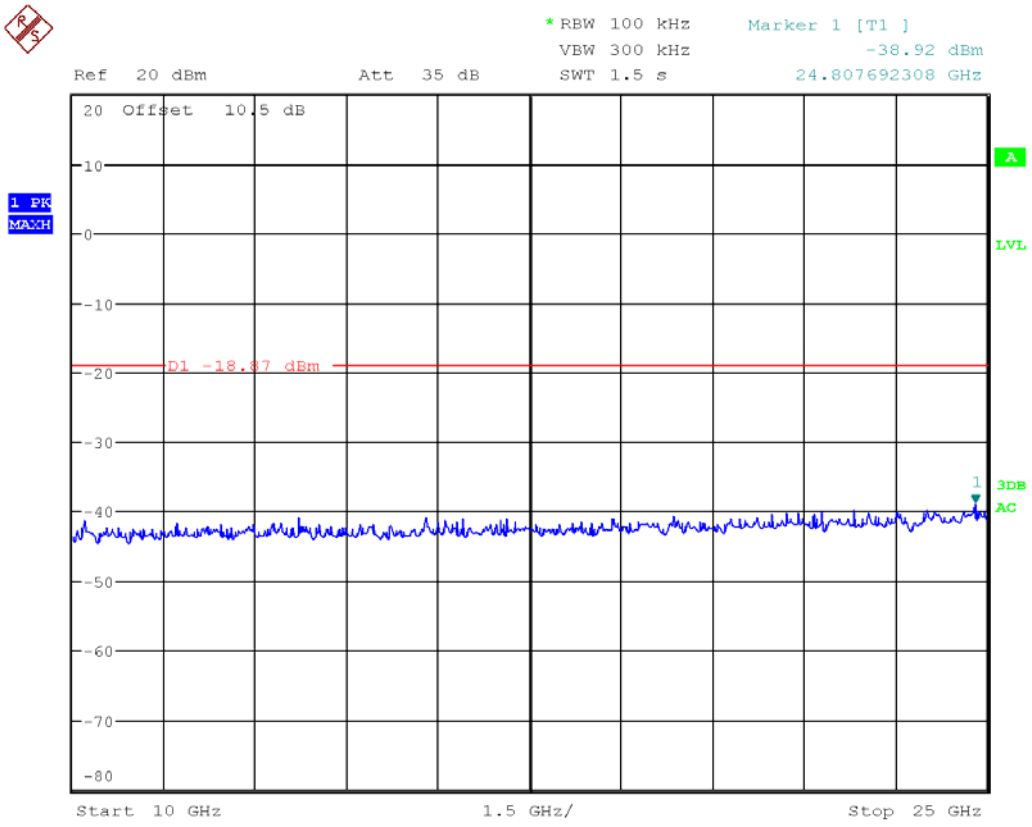
802.11G mode:
Channel 2412MHz
30M-1G



1G-10G

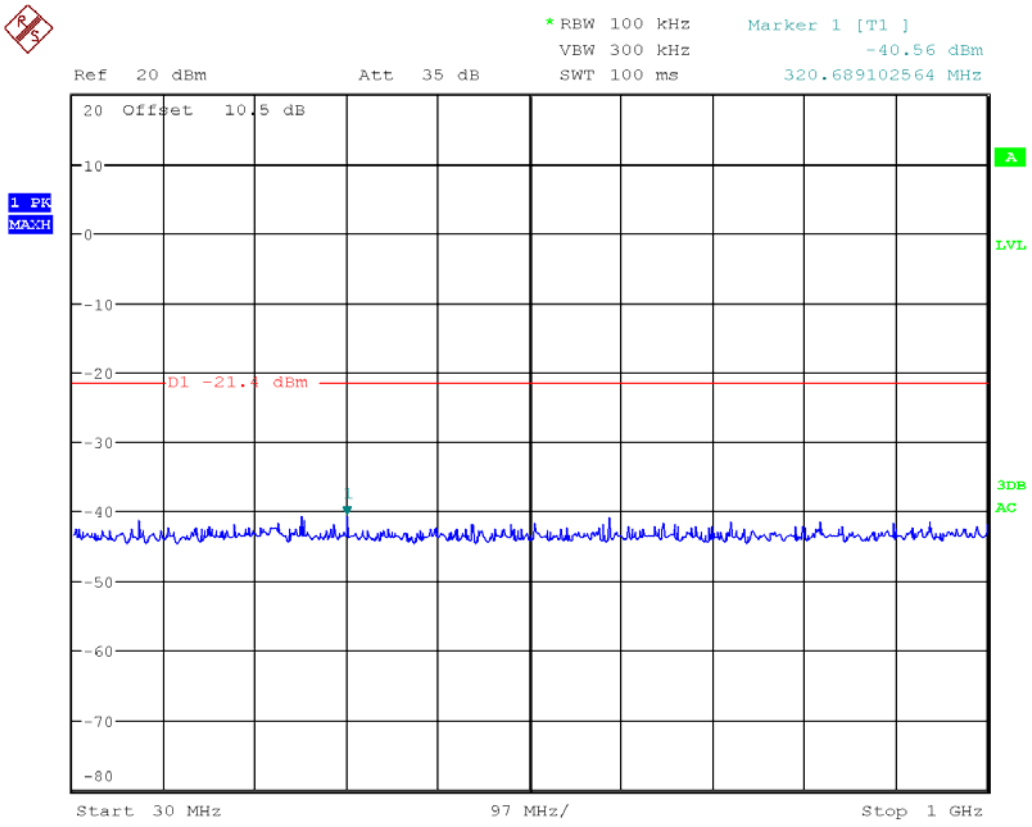


10G-25G

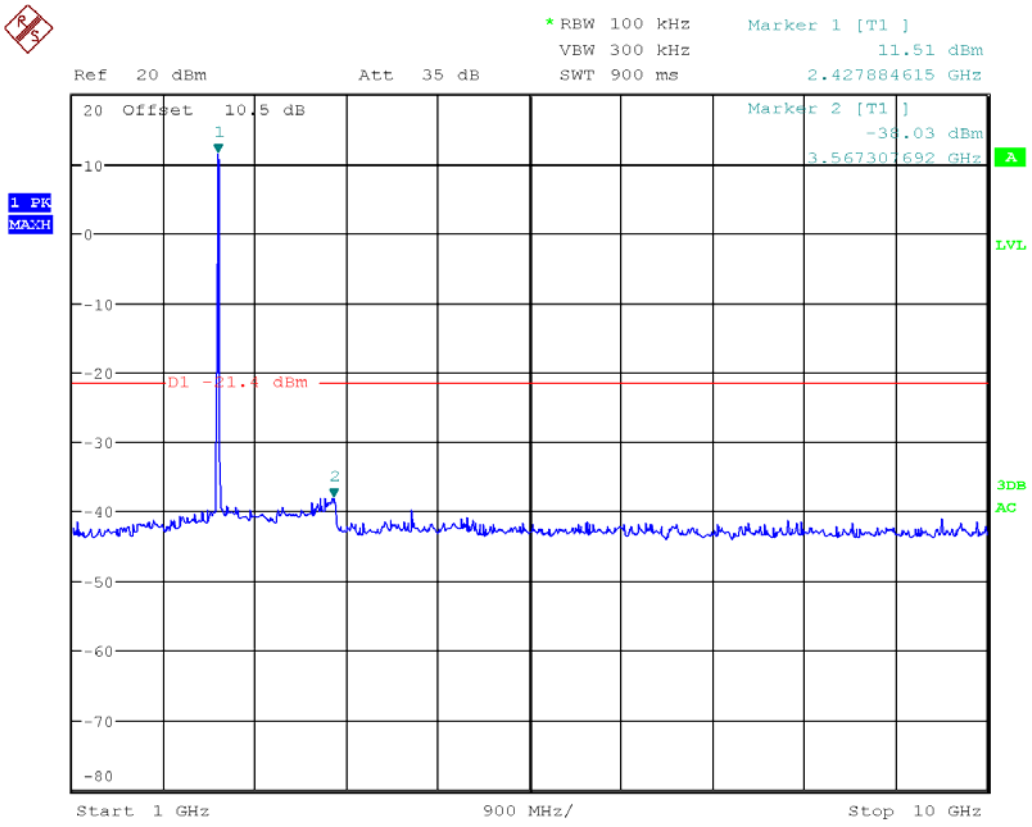


Channel 2437MHz

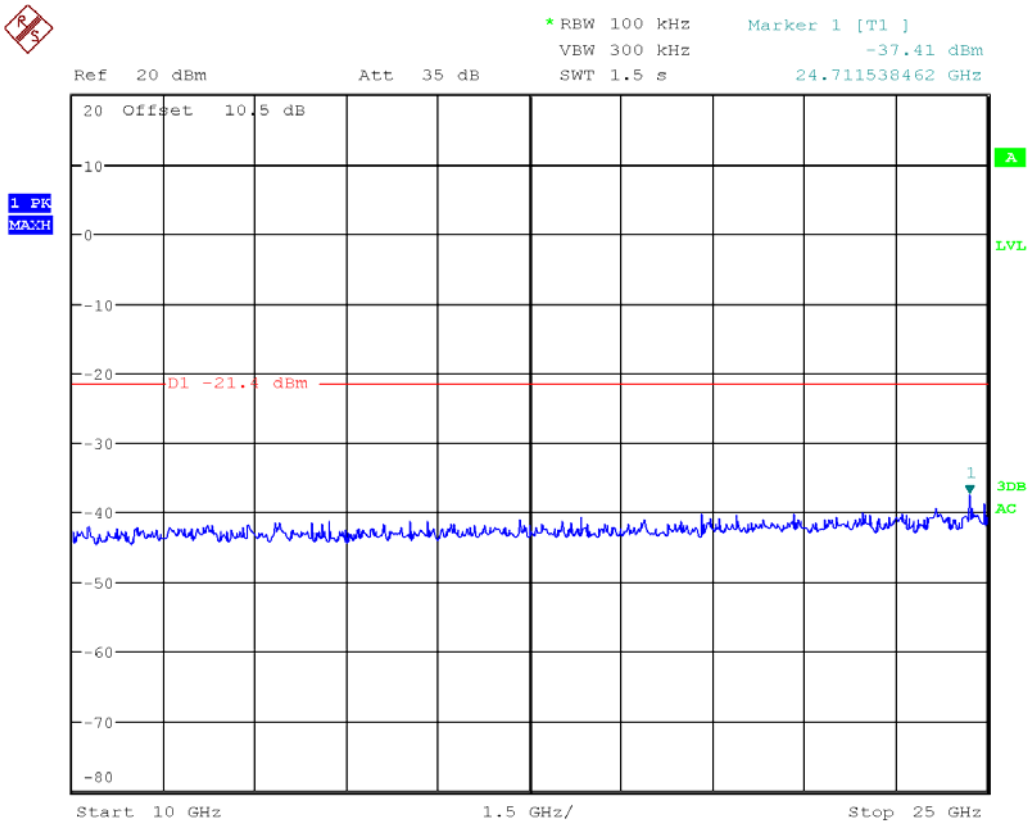
30M-1G



1G-10G

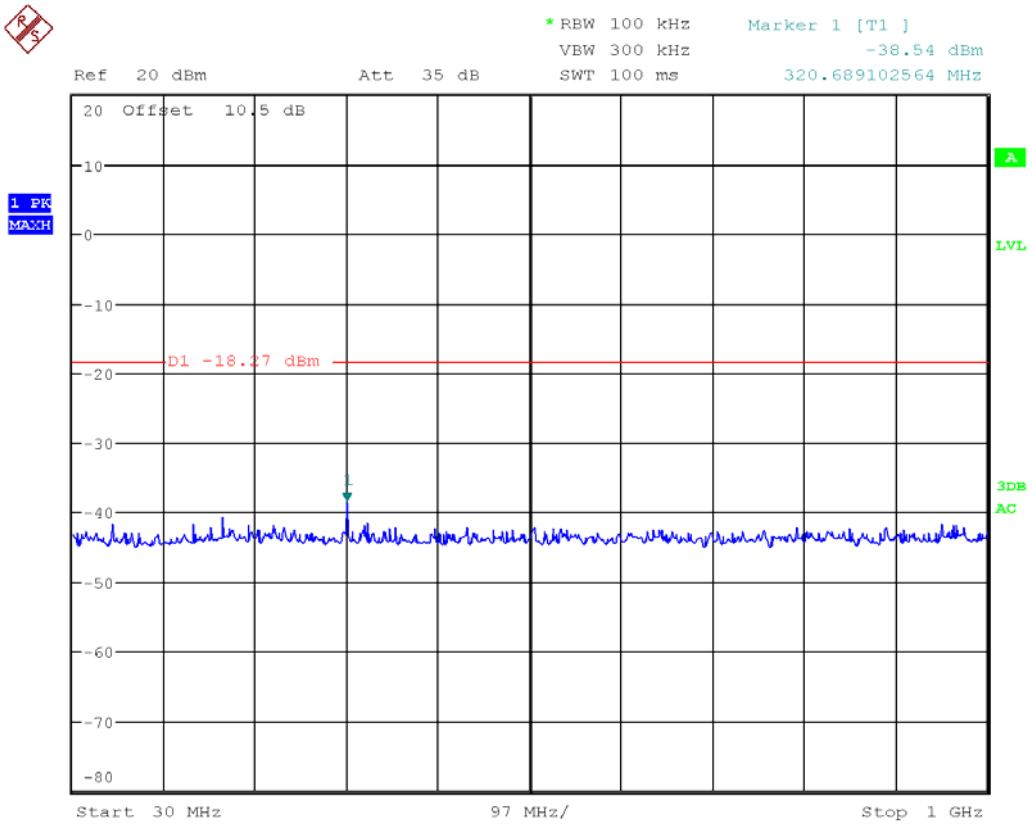


10G-25G

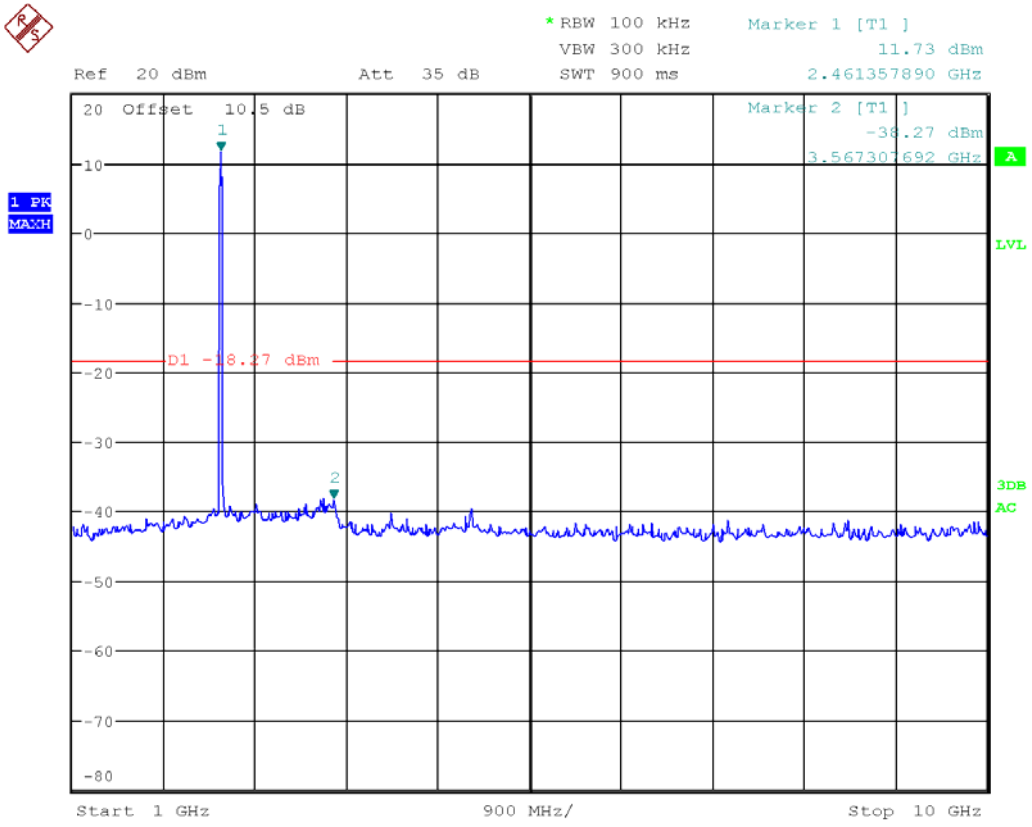


Channel 2462MHz

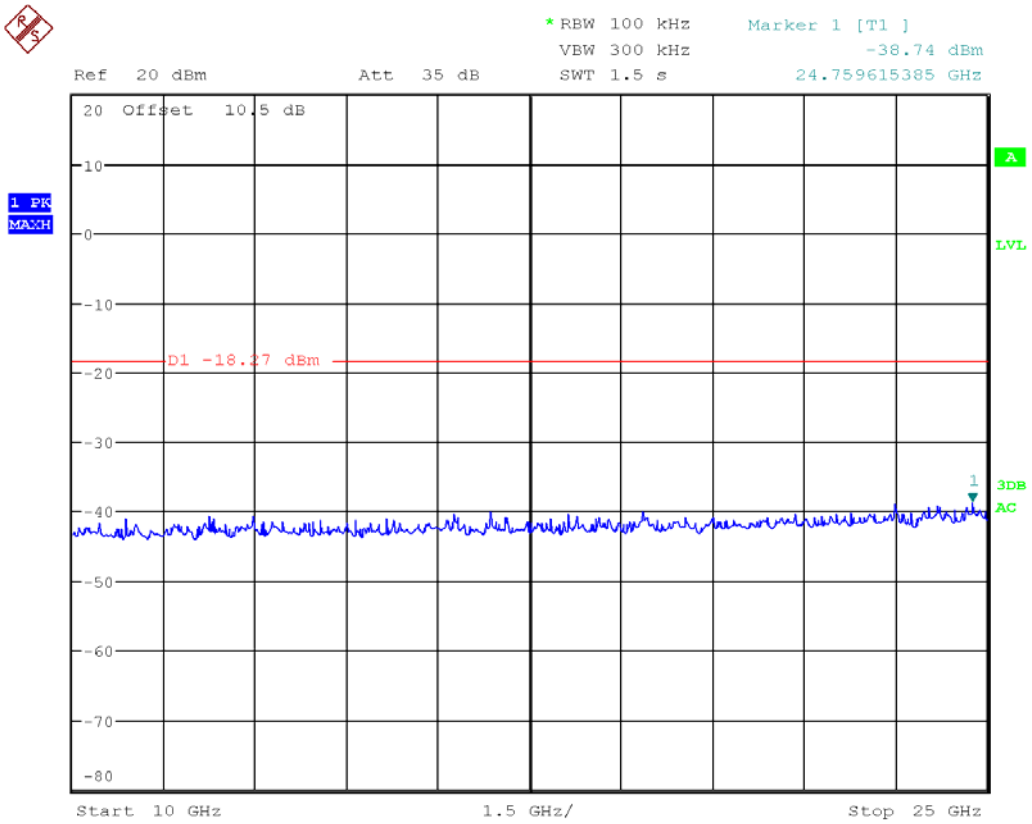
30M-1G



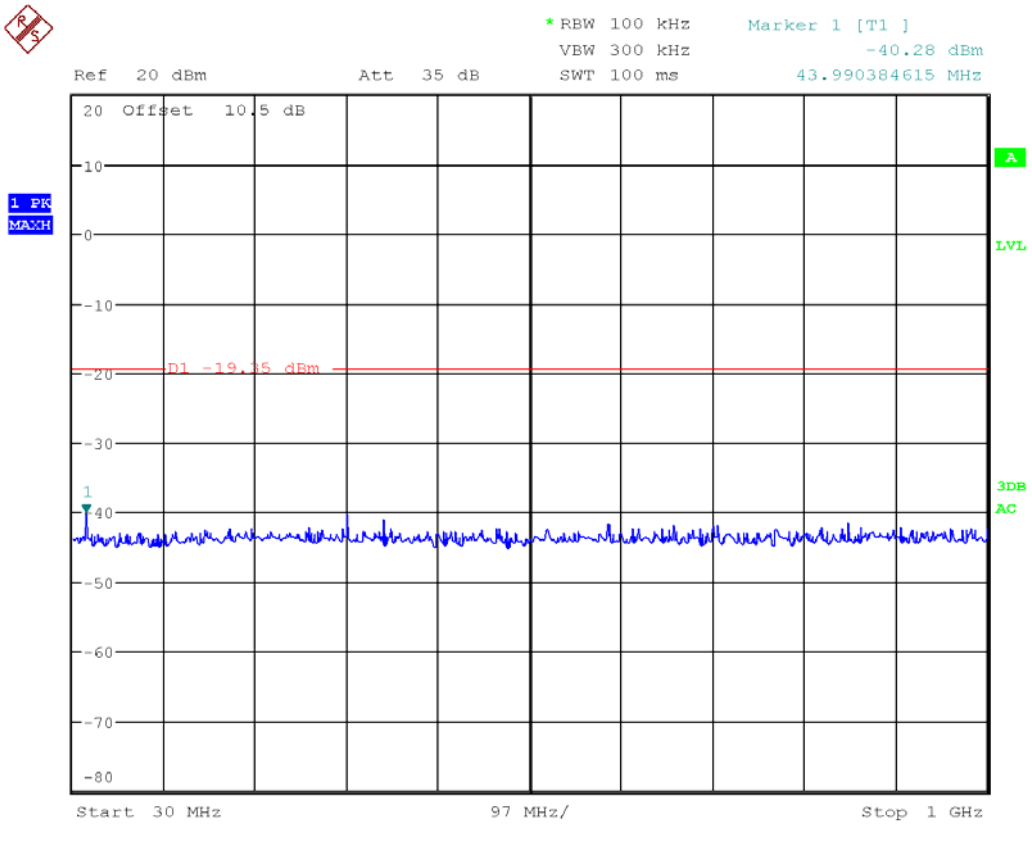
1G-10G



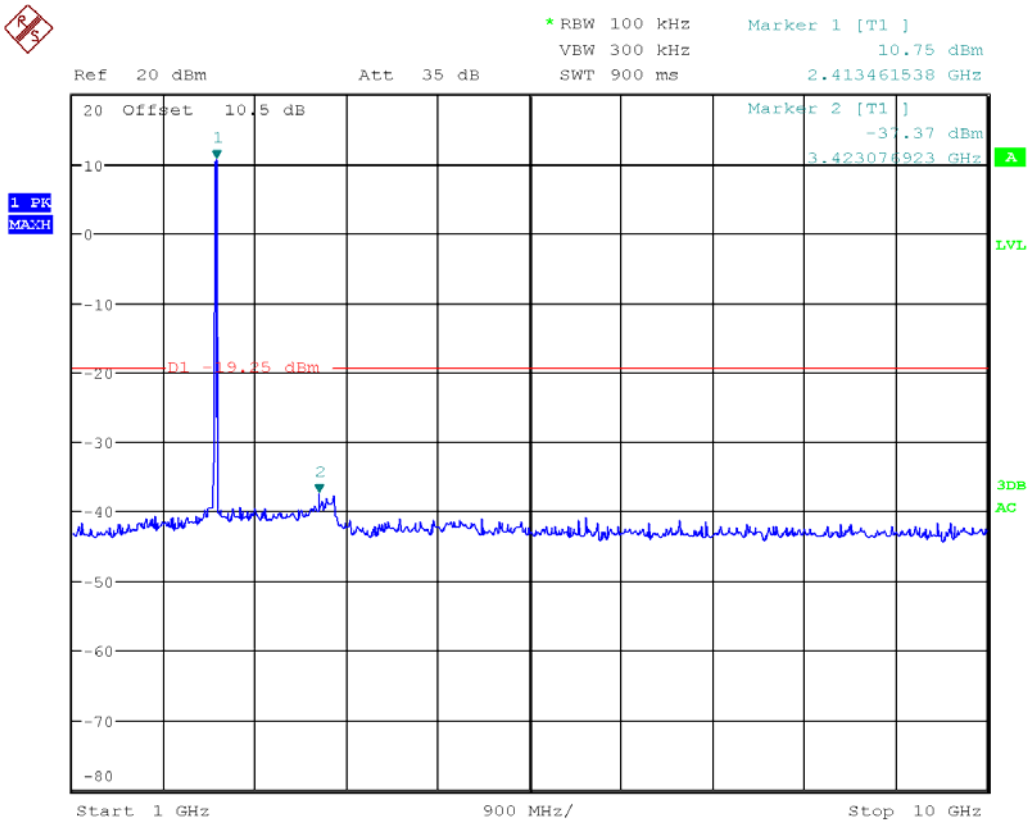
10G-25G



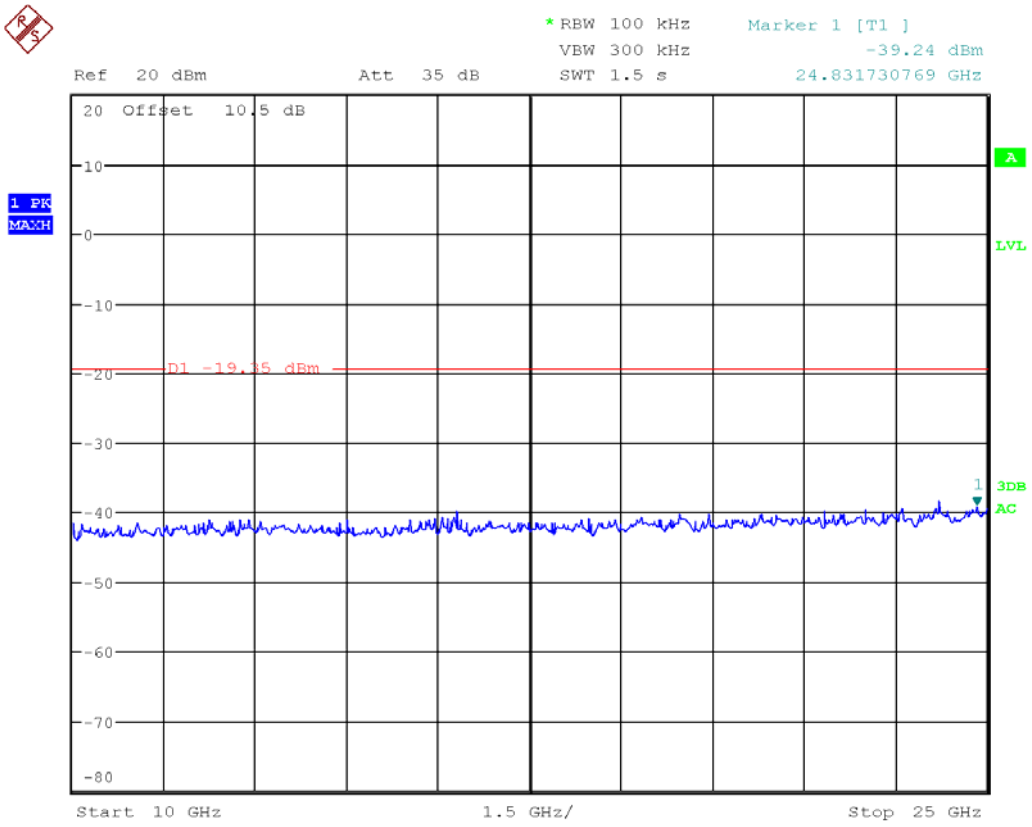
802.11n20 mode:
Channel 2412MHz
30M-1G



1G-10G

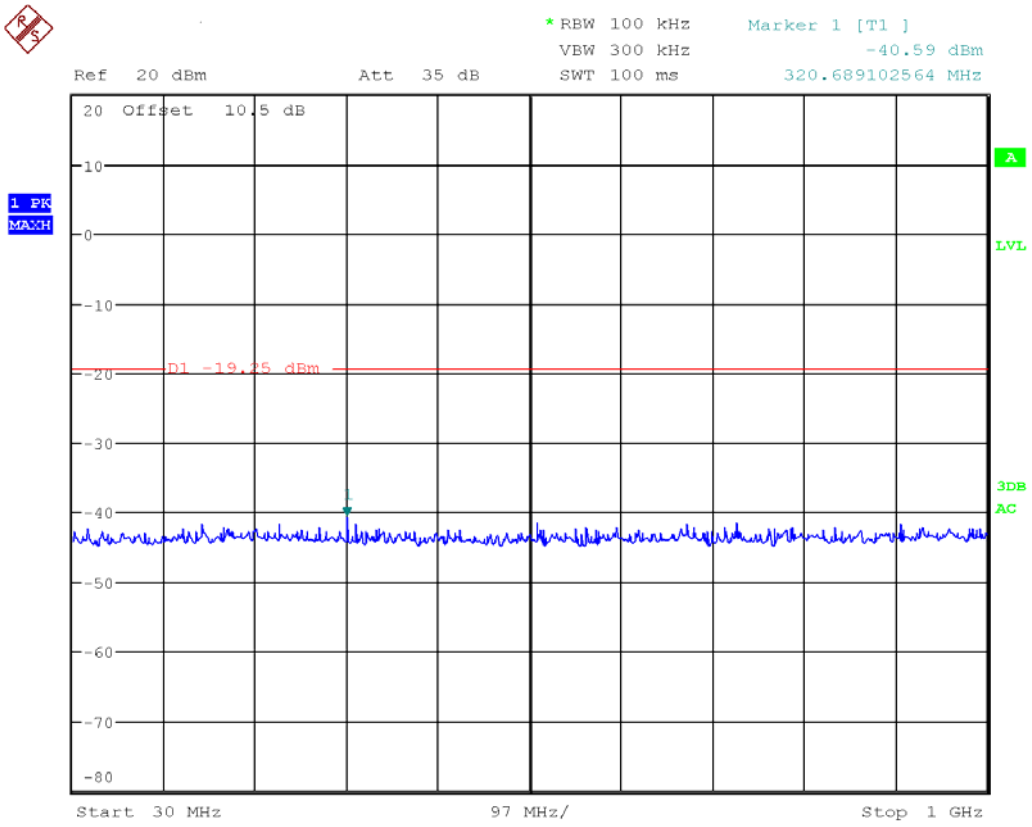


10G-25G

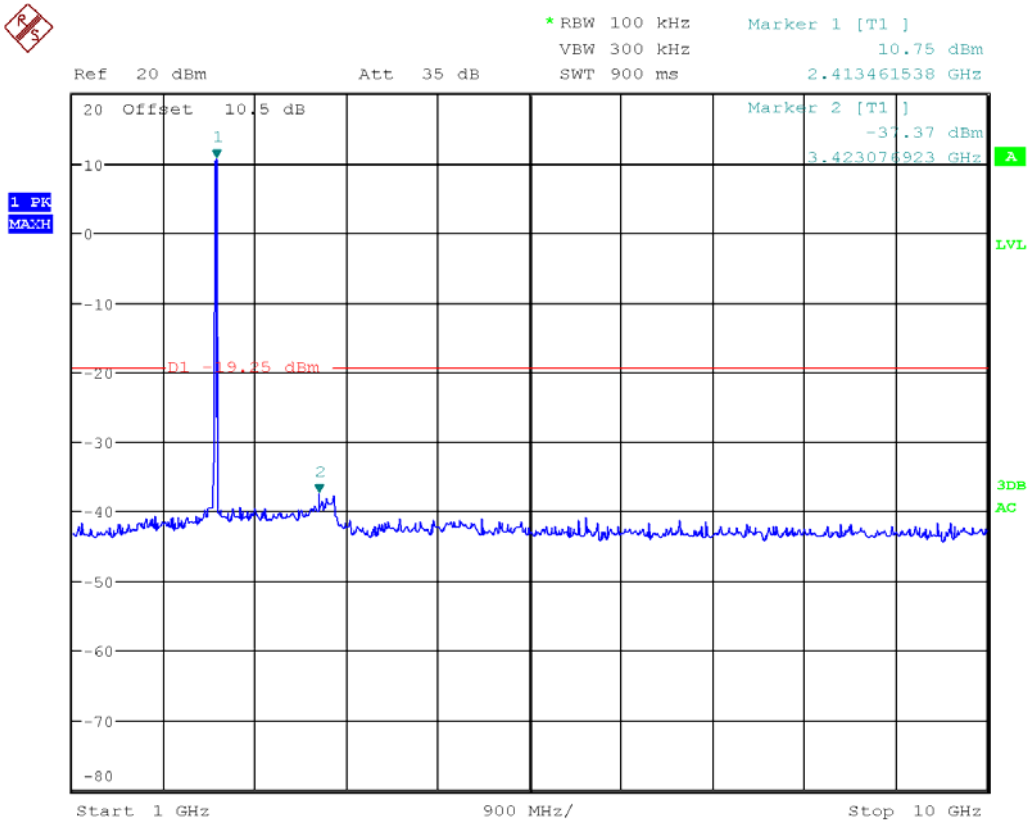


Channel 2437MHz

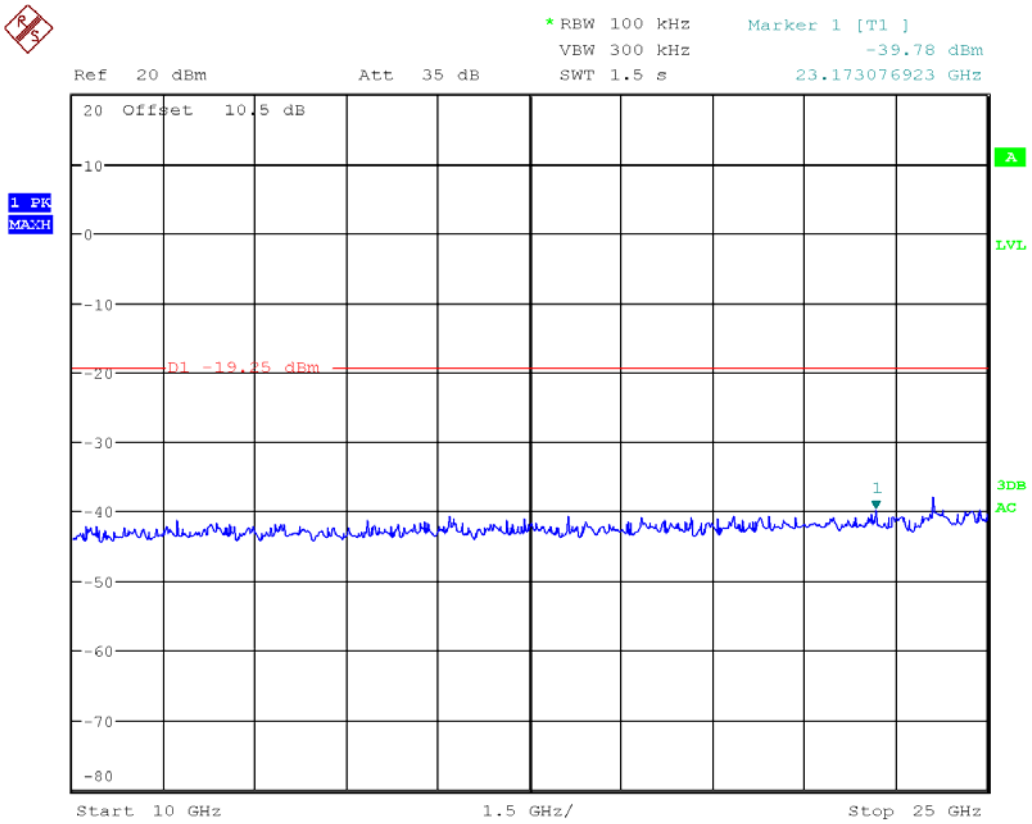
30M-1G



1G-10G

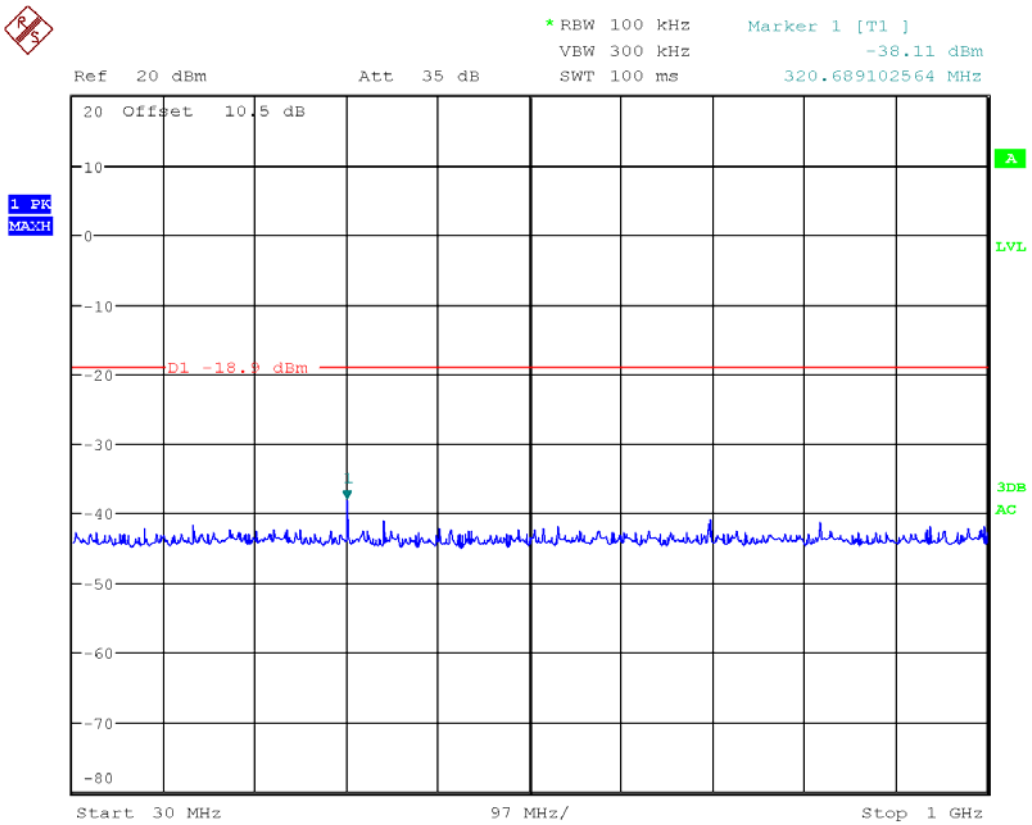


10G-25G

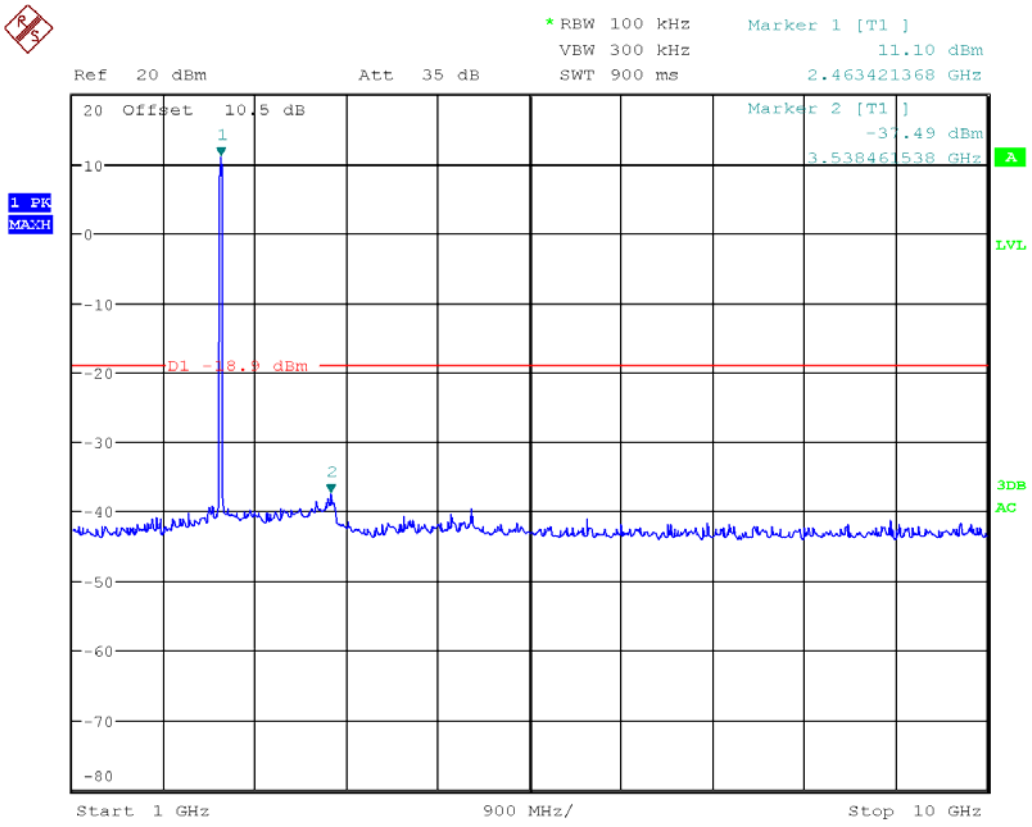


Channel 2462MHz

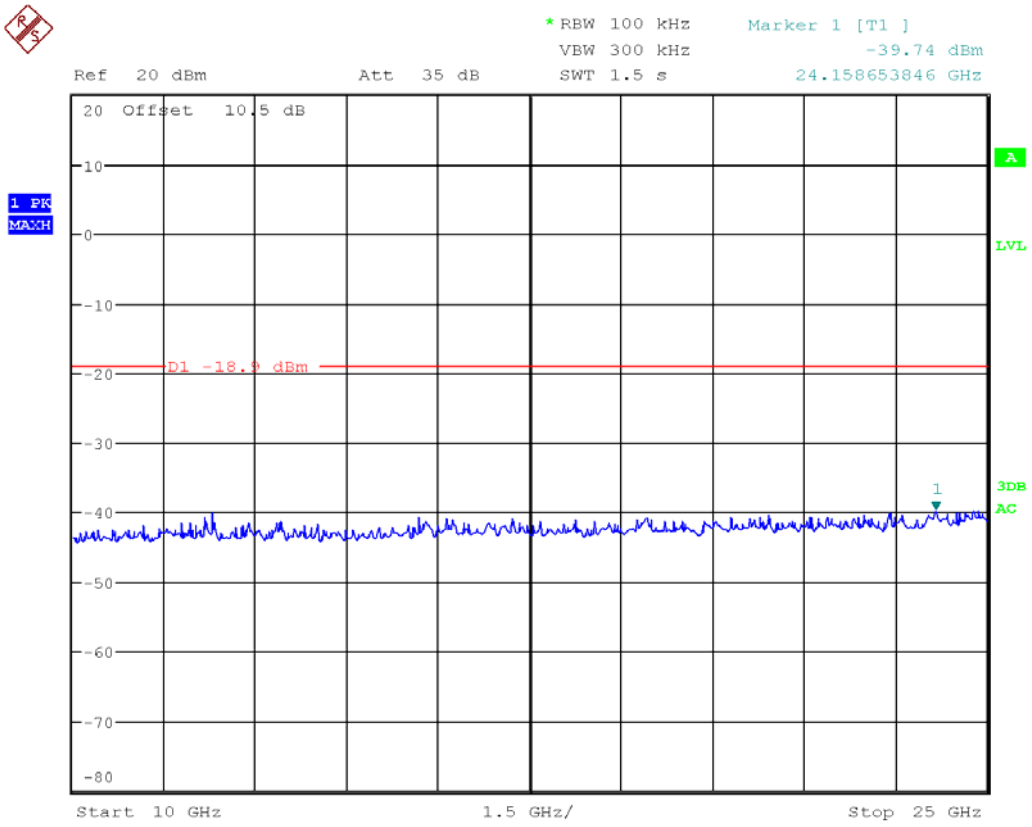
30M-1G



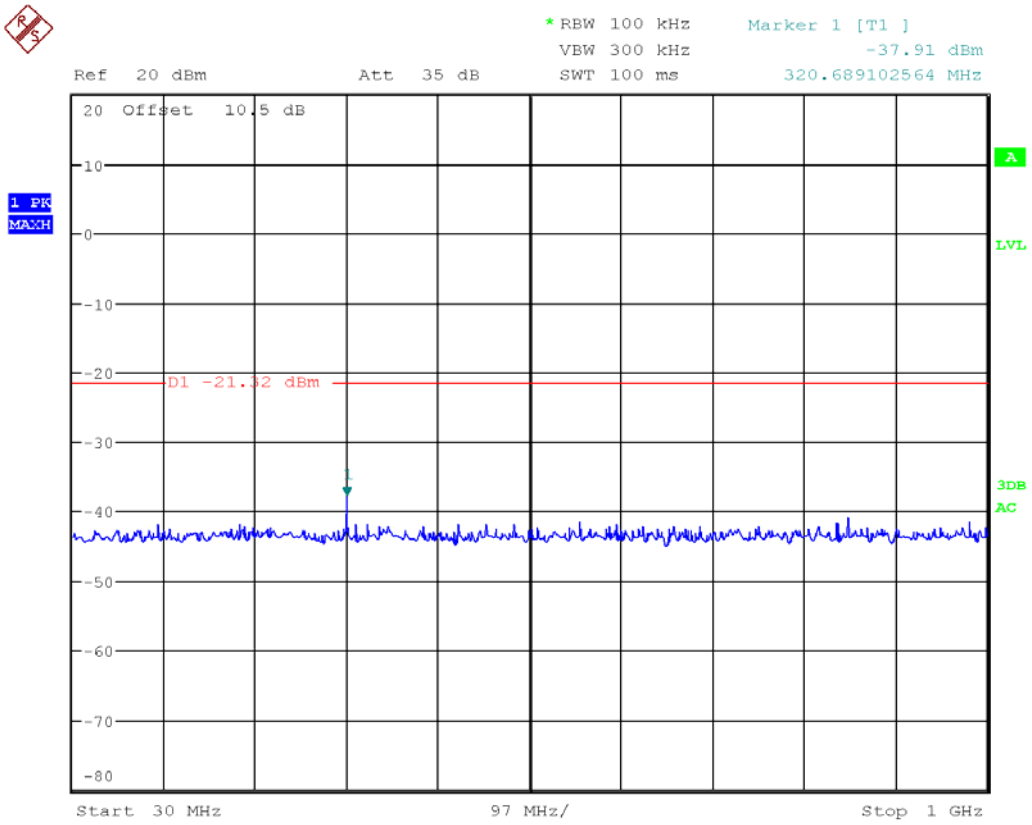
1G-10G



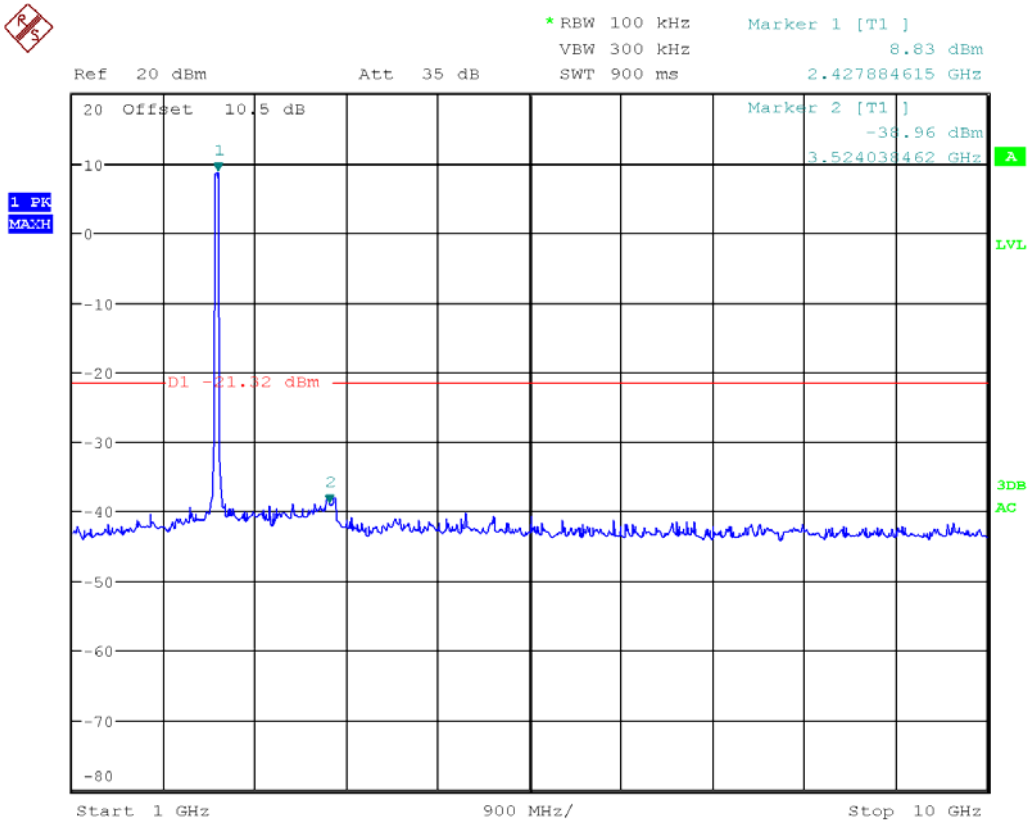
10G-25G



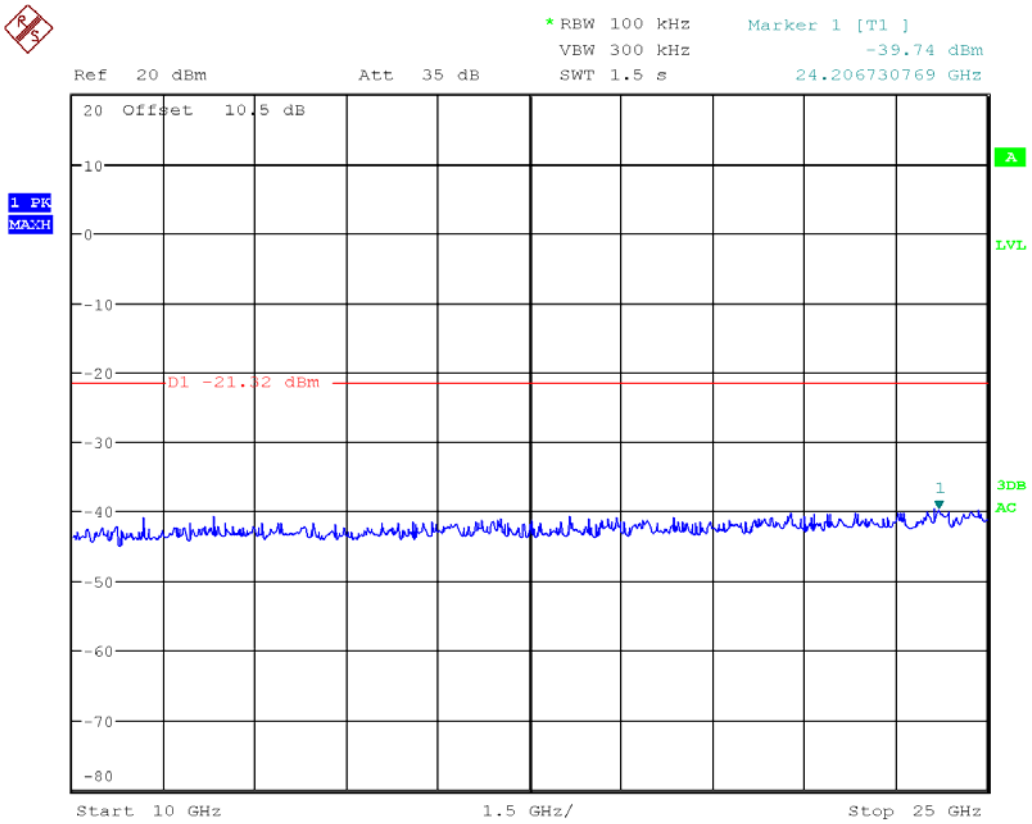
802.11n40 mode:
Channel 2422MHz
30M-1G



1G-10G

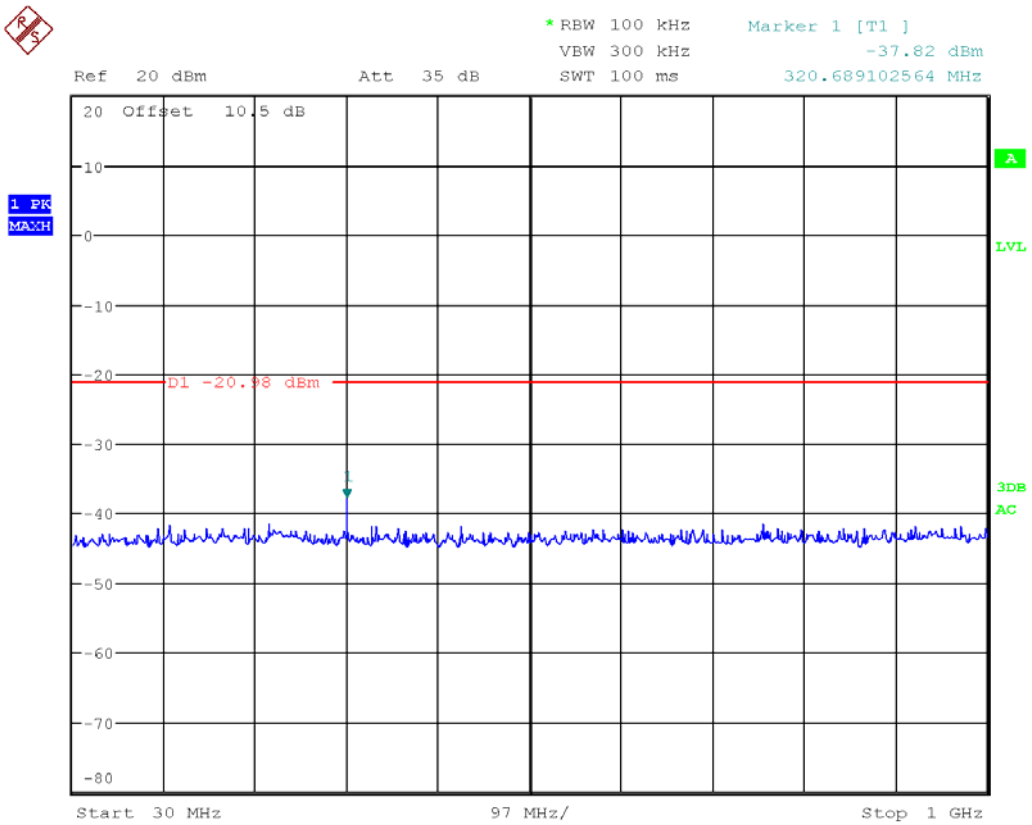


10G-25G

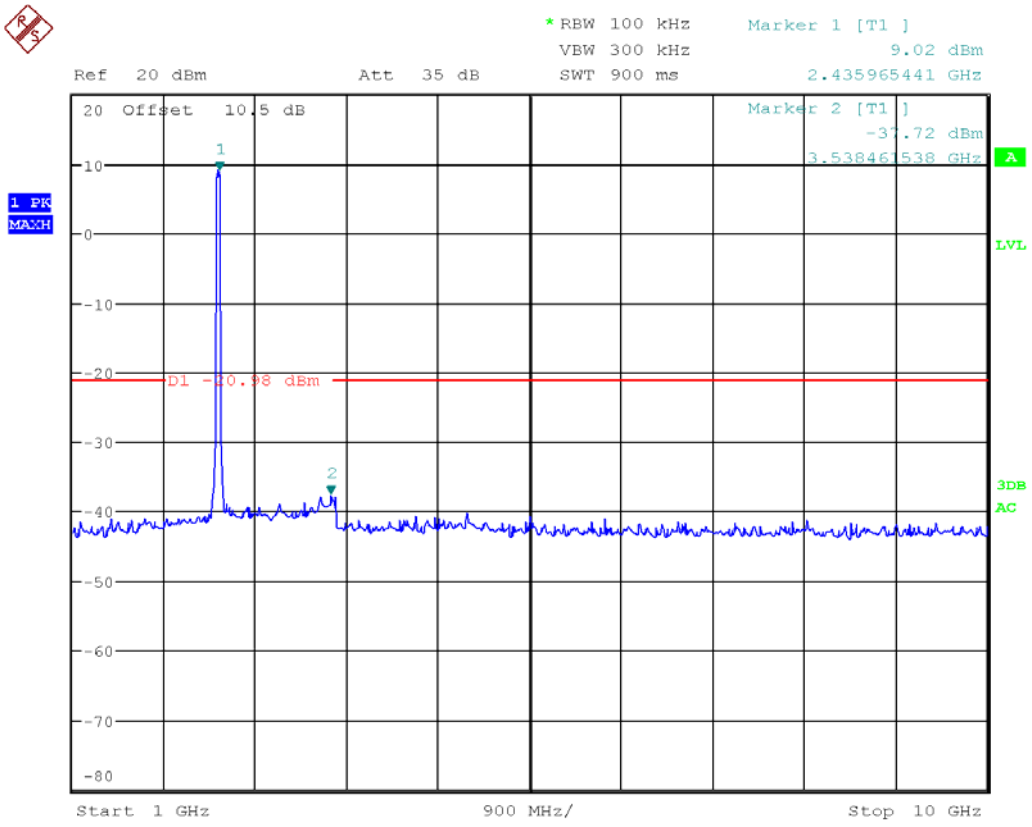


Channel 2437MHz

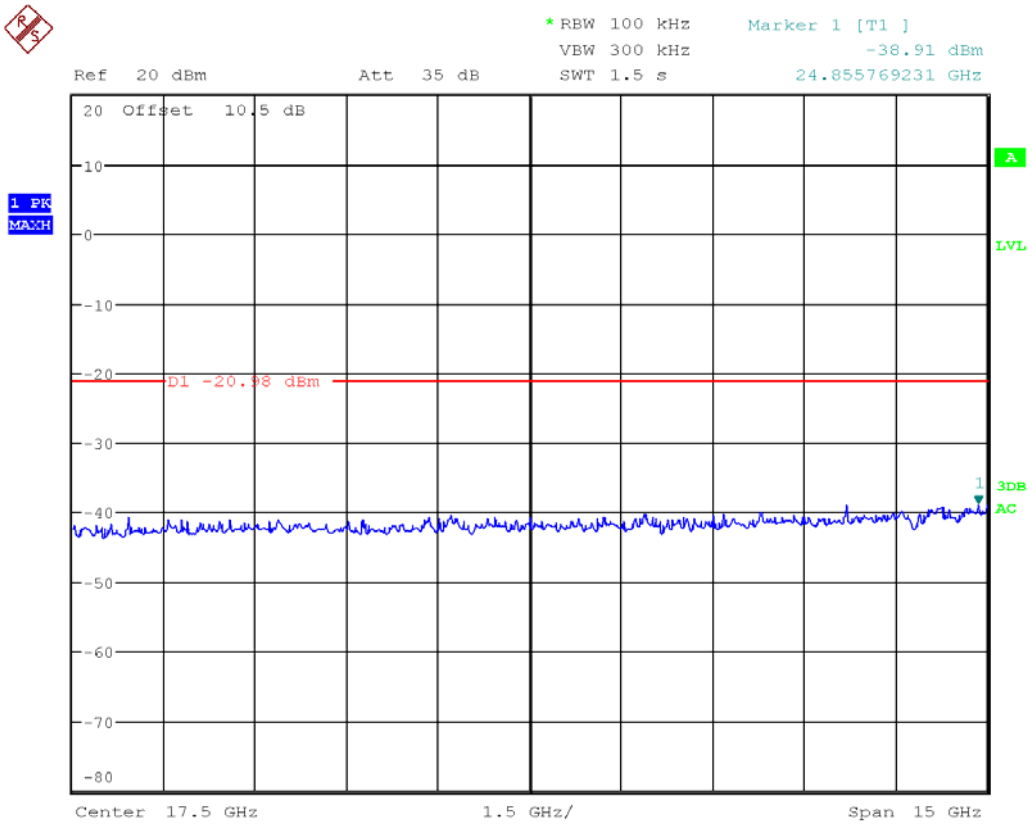
30M-1G



1G-10G

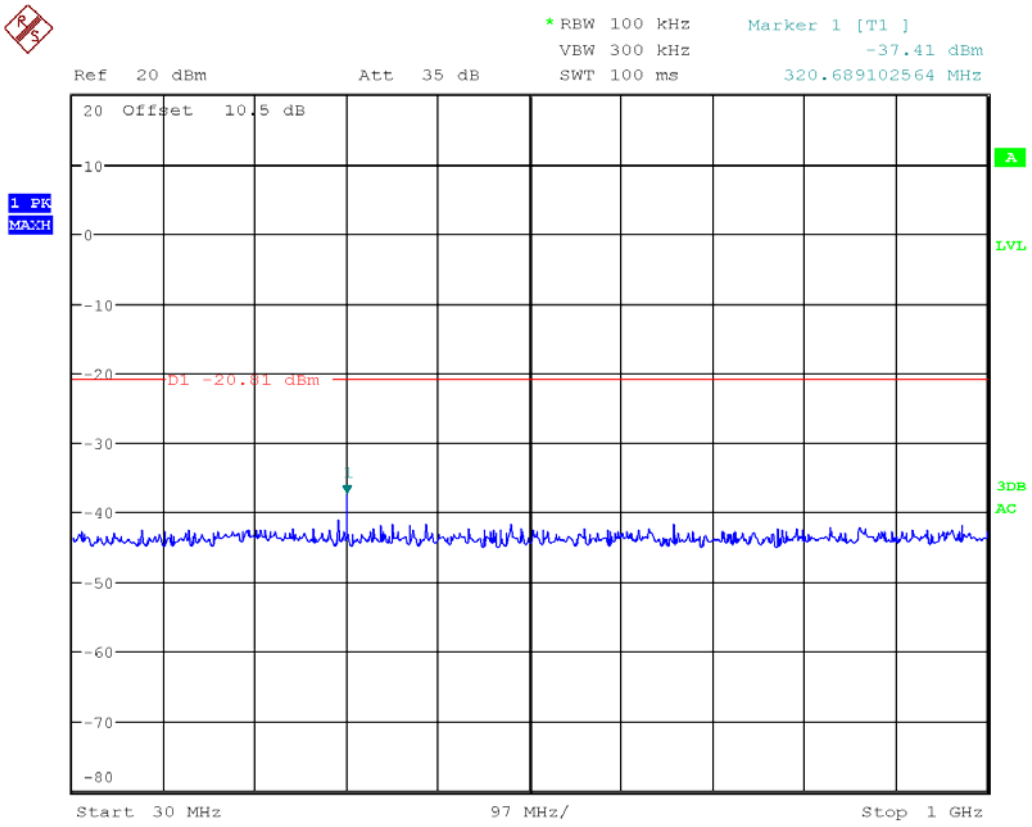


10G-25G

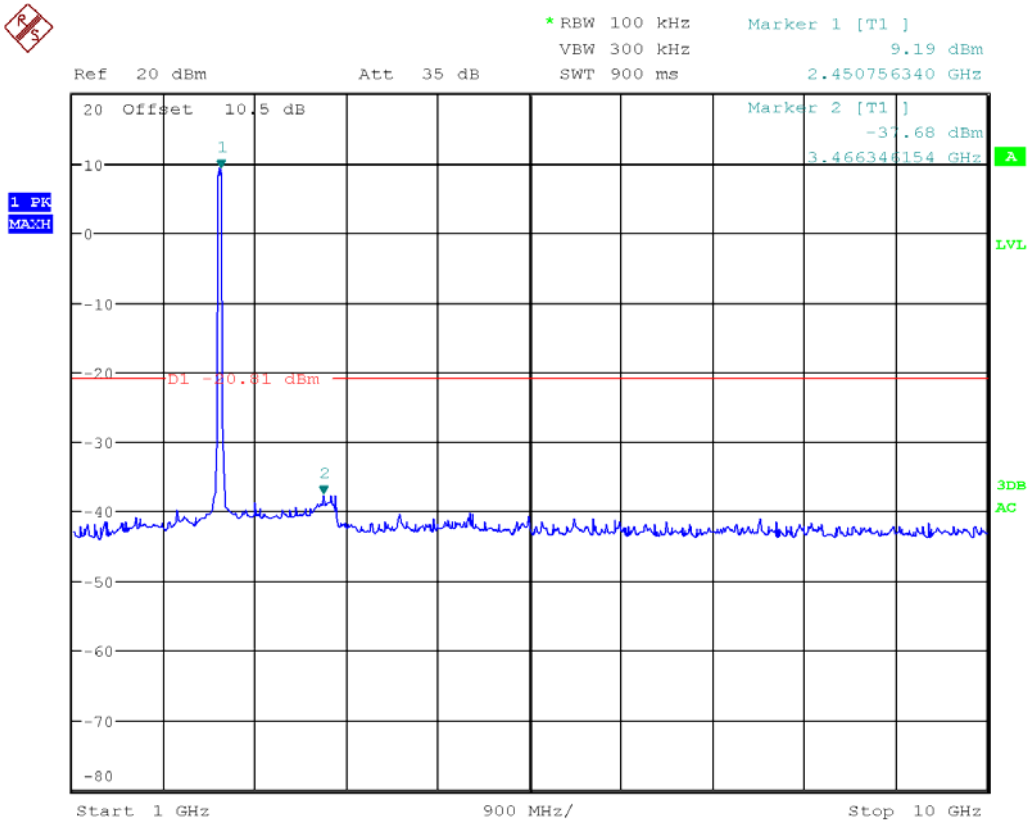


Channel 2452MHz

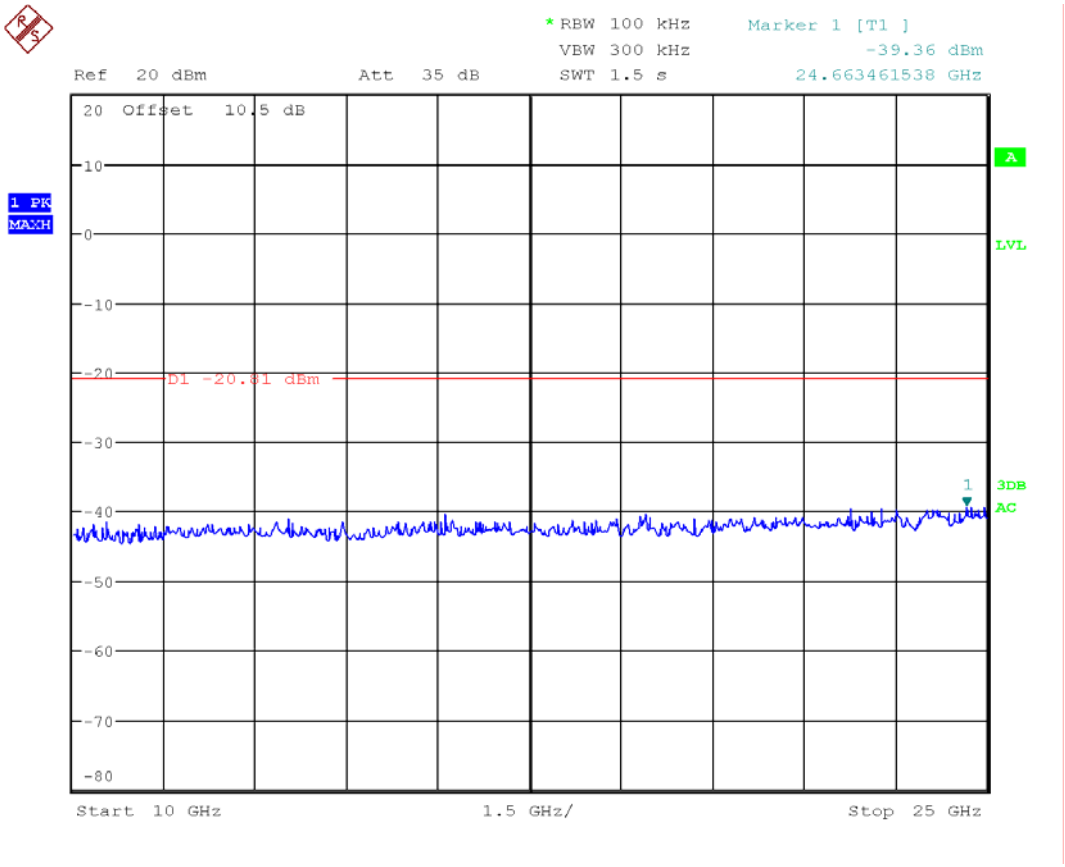
30M-1G



1G-10G



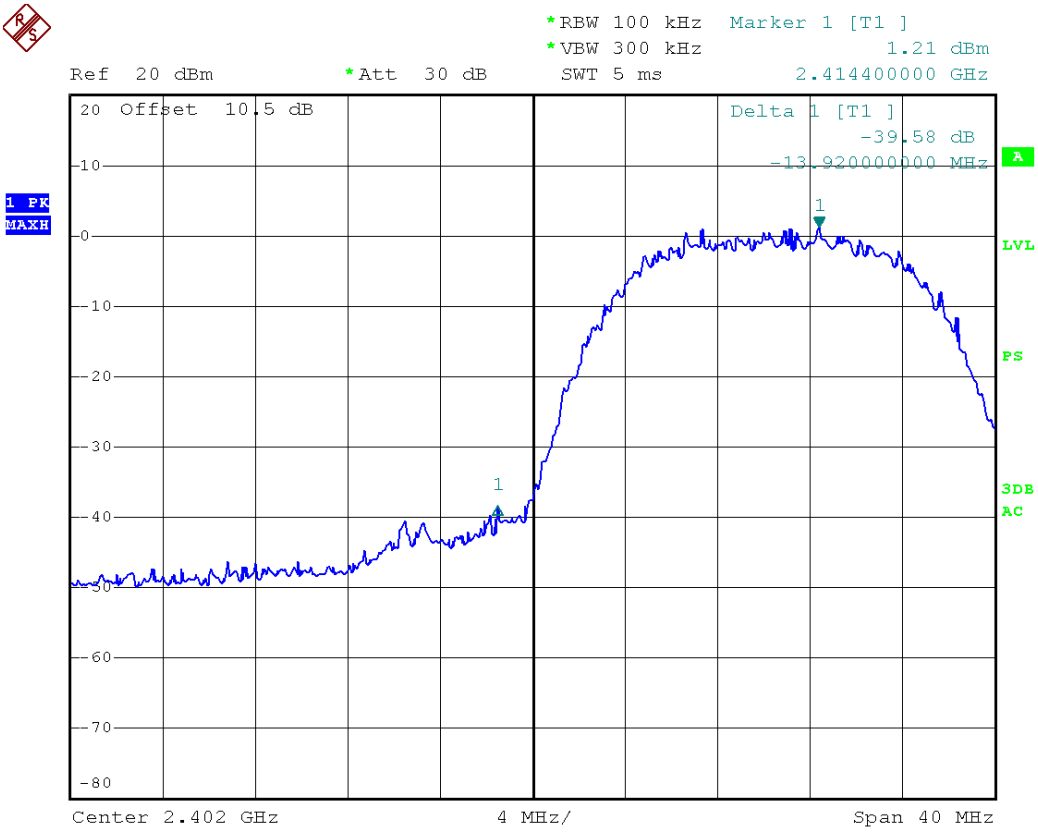
10G-25G


* RBW 100 kHz
VBW 300 kHz
SWT 1.5 s
Marker 1 [T1]
-39.36 dBm
24.663461538 GHz
Ref 20 dBm
Att 35 dB
20 Offset 10.5 dB
1 PK
MAXH
A
LVL
D1 -20.61 dBm
1
3DB
AC
Start 10 GHz
1.5 GHz/
Stop 25 GHz

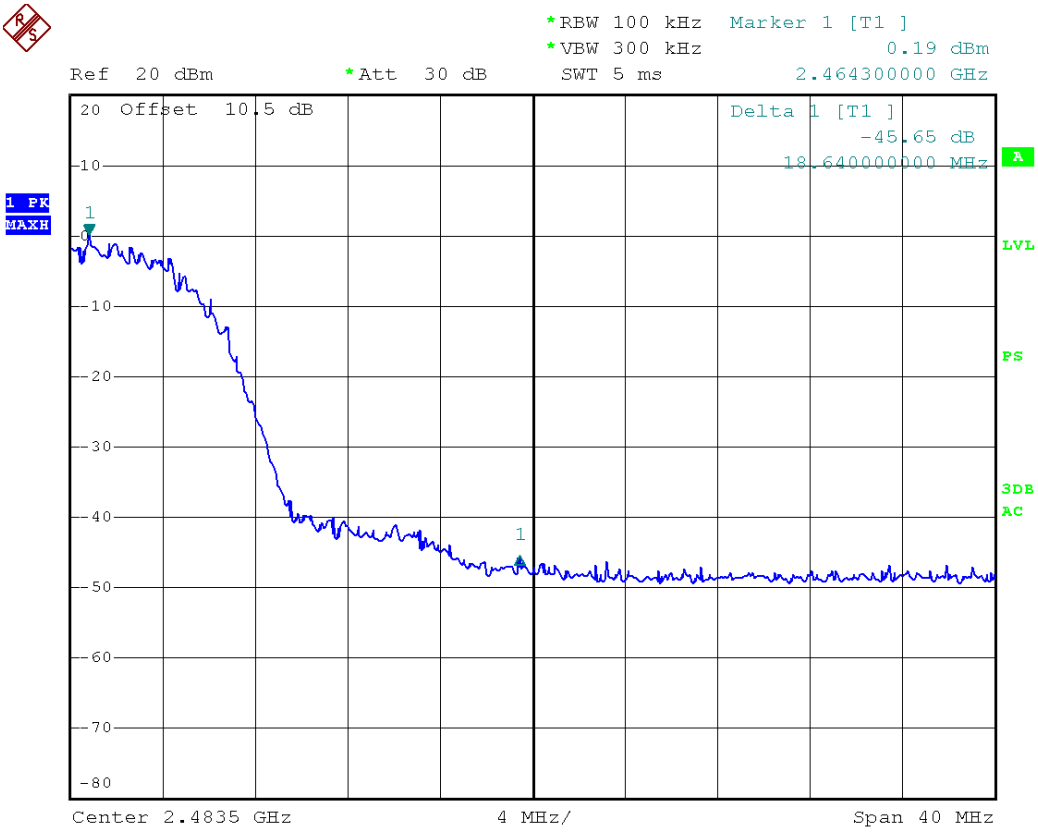
4.4.5 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

802.11b mode with 11Mbps data rates:

Channel 2412MHz

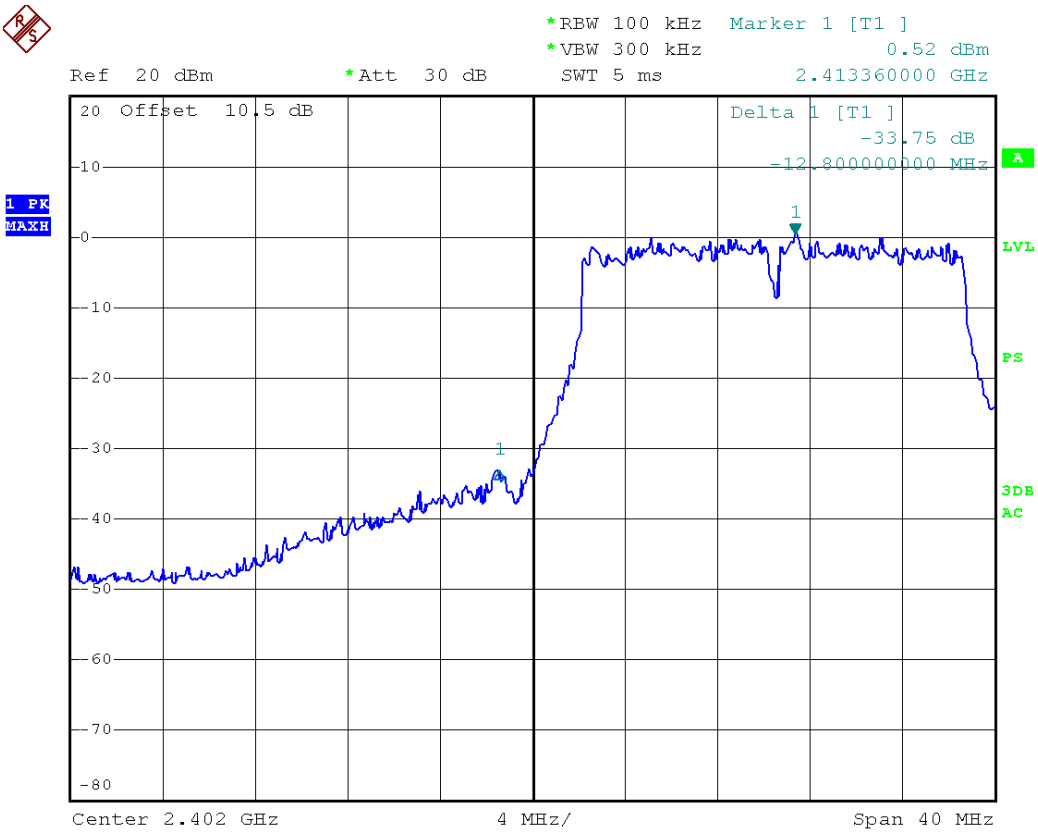


Channel 2462MHz

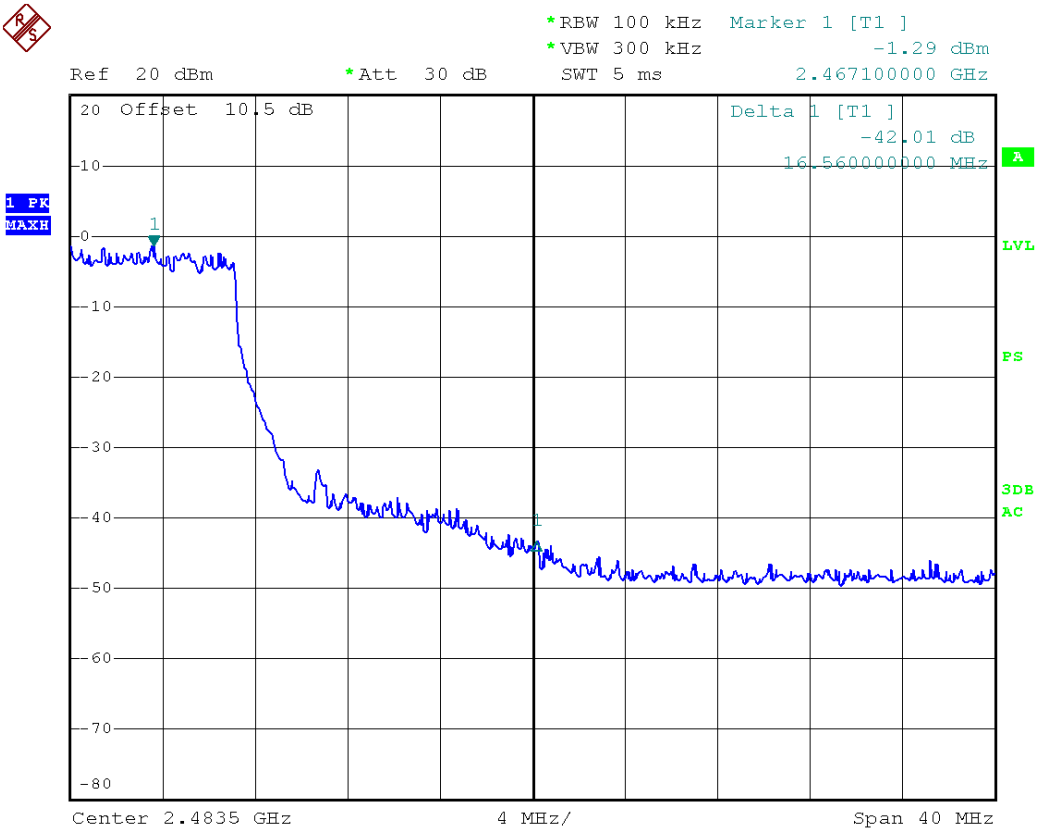


802.11g mode with 54Mbps data rates::

Channel 2412MHz

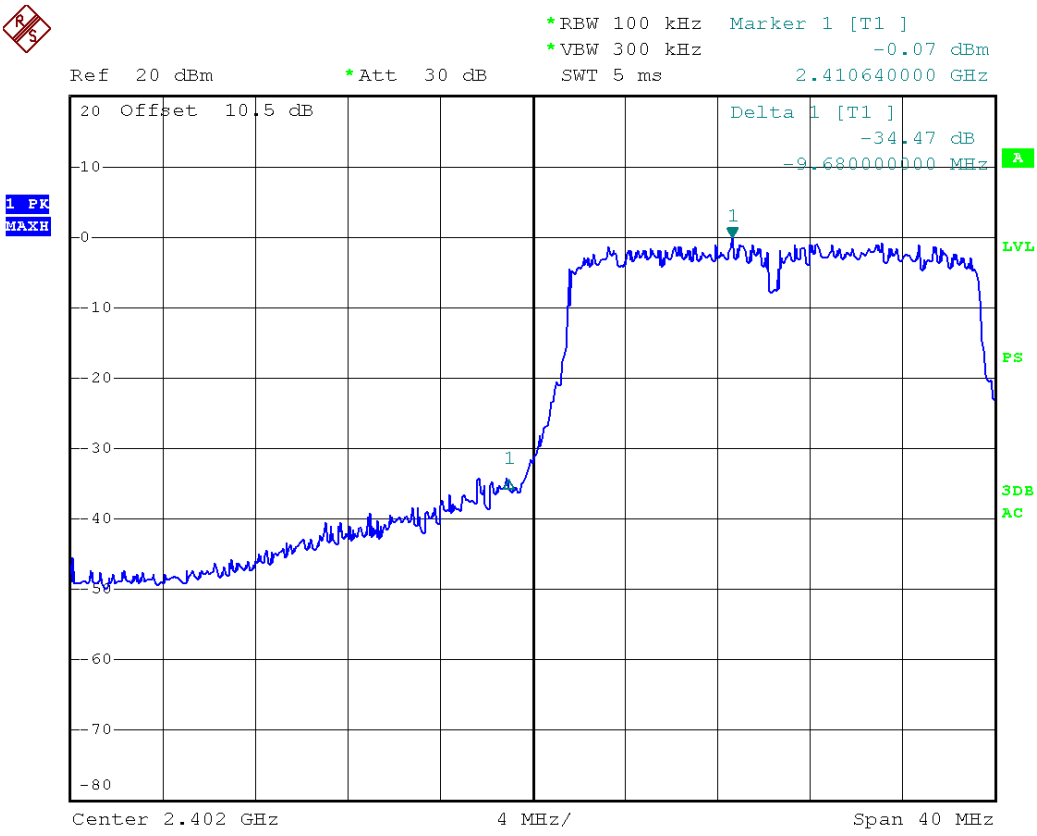


Channel 2462MHz

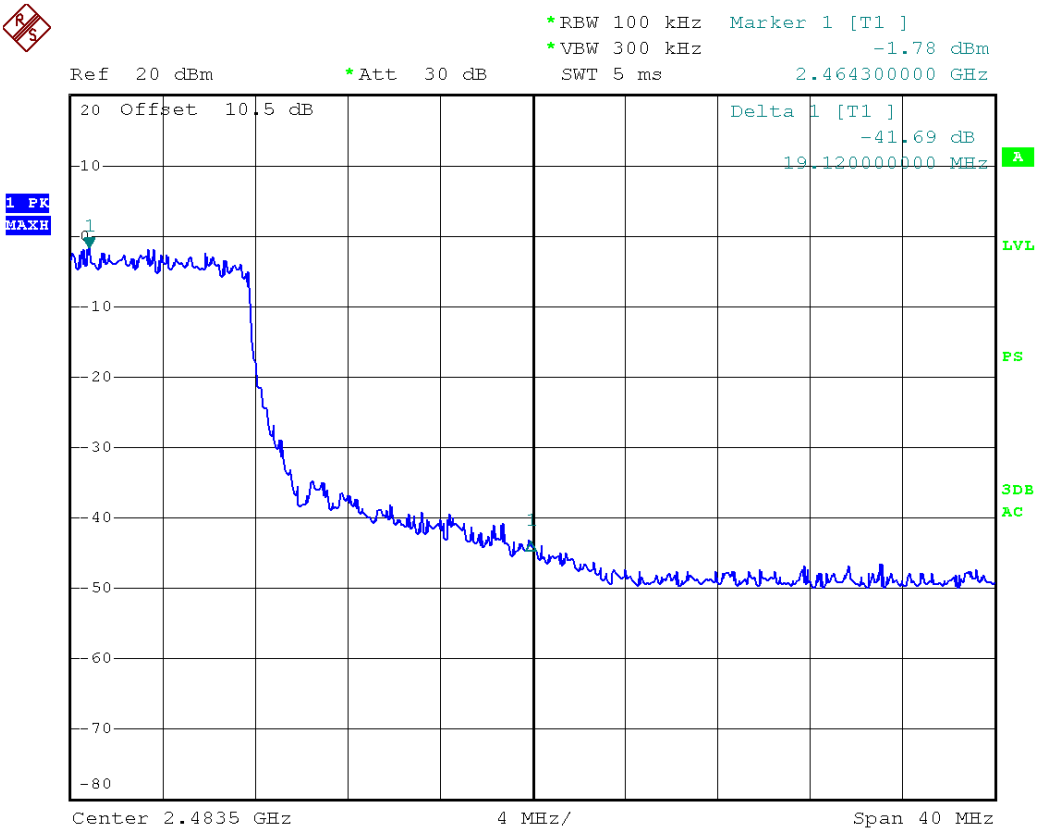


802.11n20 mode with 130Mbps data rates::

Channel 2412MHz

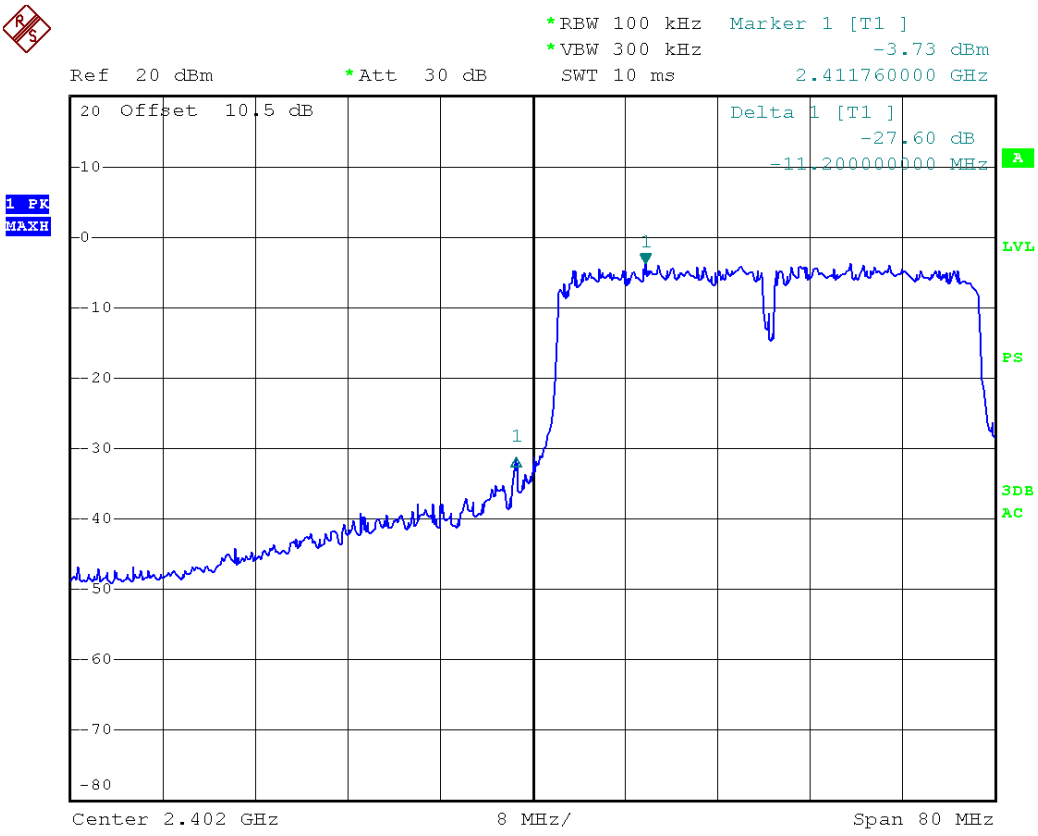


Channel 2462MHz

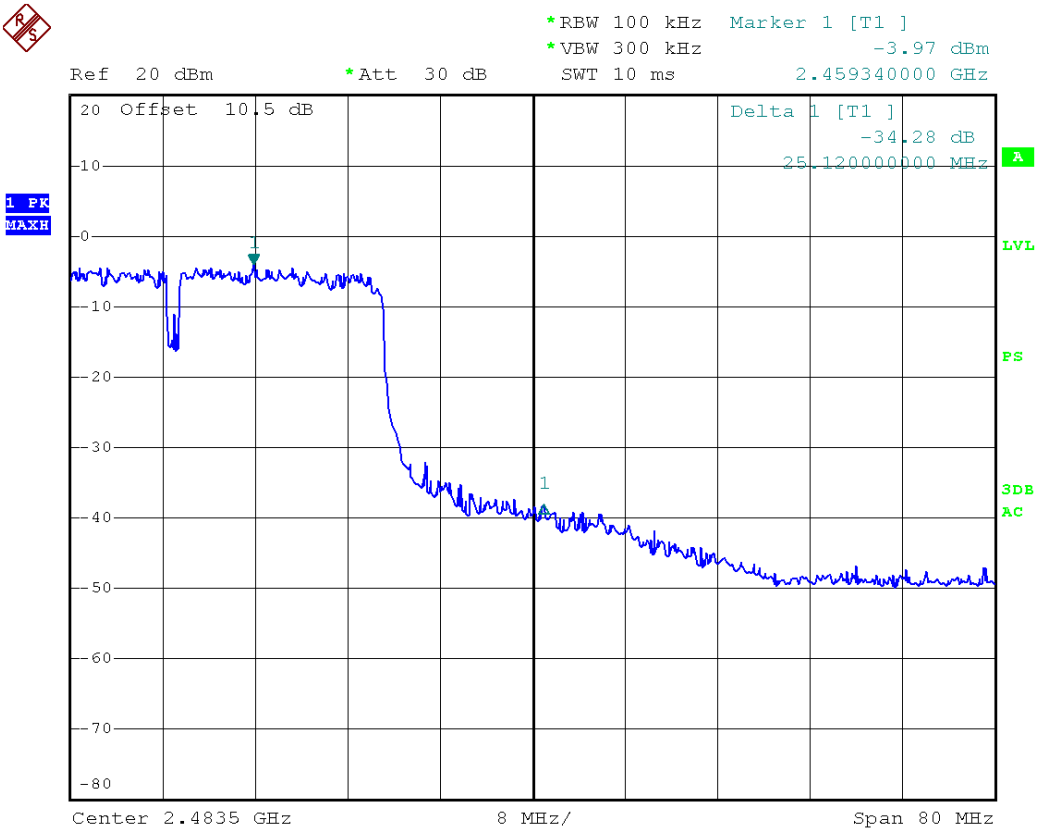


802.11n40 mode with 270Mbps data rates::

Channel 2422MHz



Channel 2452MHz



4. 5 6dB BANDWIDTH TESTING

4.5.1 LIMITS

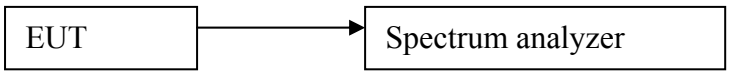
Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

4.5.2TEST PROCEDURES

Test procedures follow KDB 558074 D01 DTS Meas Guidance v01. 7.

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
3. Set resolution bandwidth (RBW) = 1-5 % of the emission bandwidth (EBW).Set the video bandwidth (VBW) ≥ 3 x RBW.Detector = Peak.Trace mode = max hold.Sweep = auto couple. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission. Compare the resultant bandwidth with the RBW setting of the analyzer.
5. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is 1-5 %.
6. Repeat above procedures until all frequencies measured were complete.

4.5.3 TEST SETUP

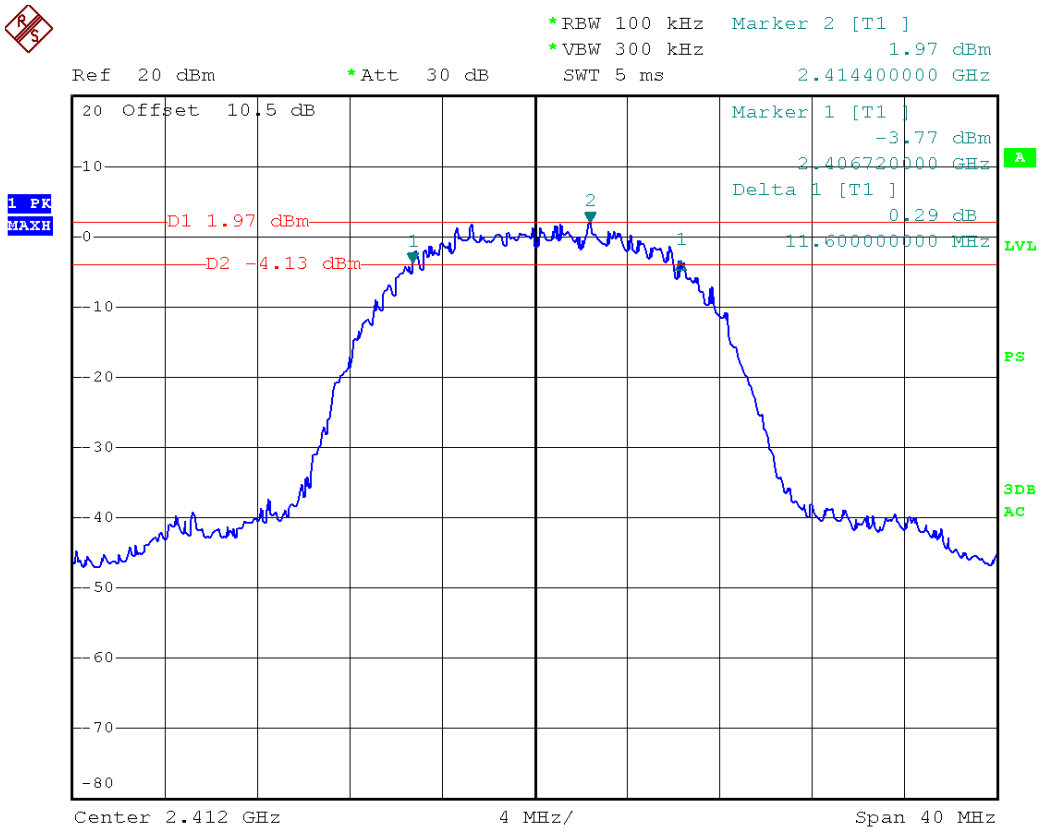


4.5.4 TEST RESULTS

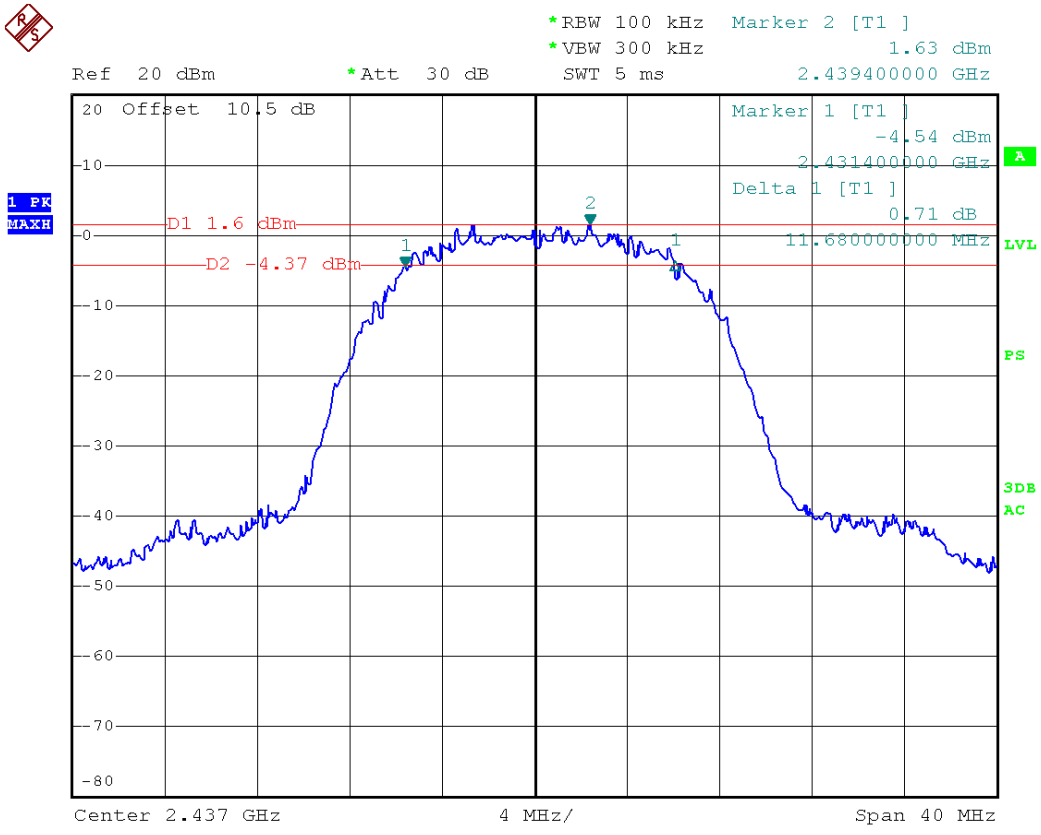
Channel	Channel Frequency (MHz)	Data Rate (Mbps)	6dB Bandwidth (MHz)	Limit (kHz)
802.11b Mode				
Low Channel	2412	11	11.600	＞500
Middle Channel	2437	11	11.680	＞500
High Channel	2462	11	11.640	＞500

802.11b mode:

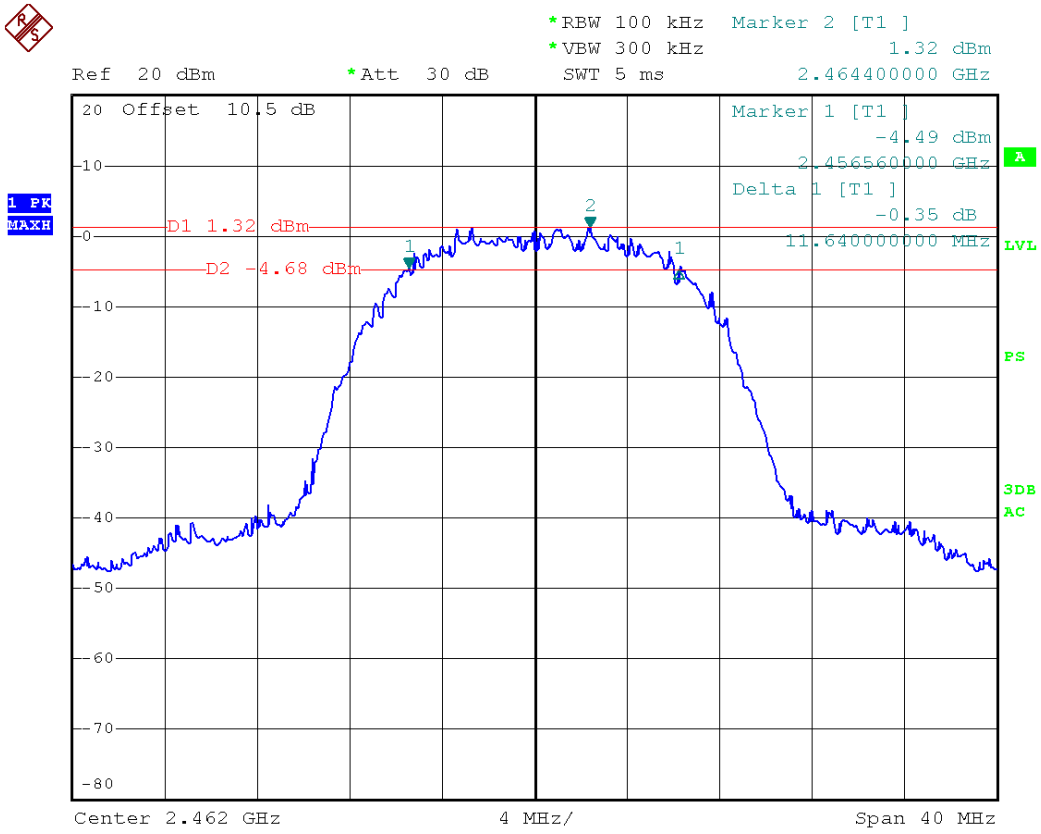
Channel 2412MHz



Channel 2437MHz



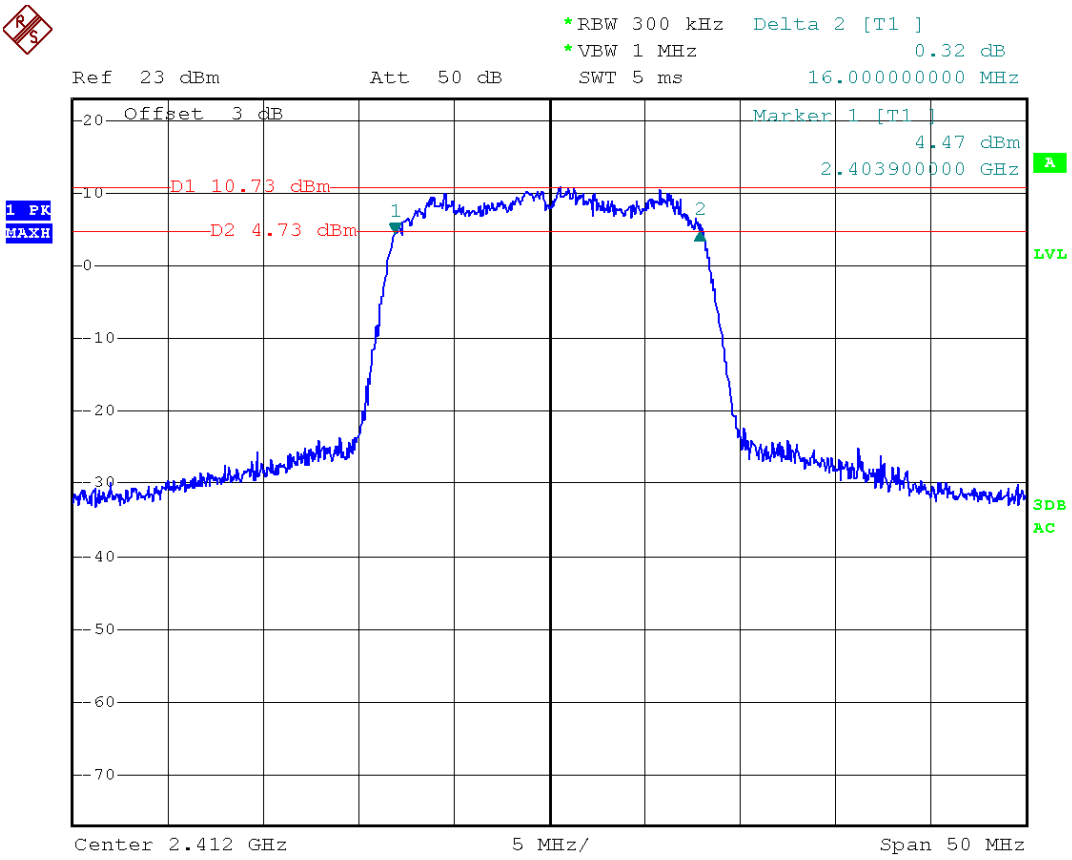
Channel 2462MHz



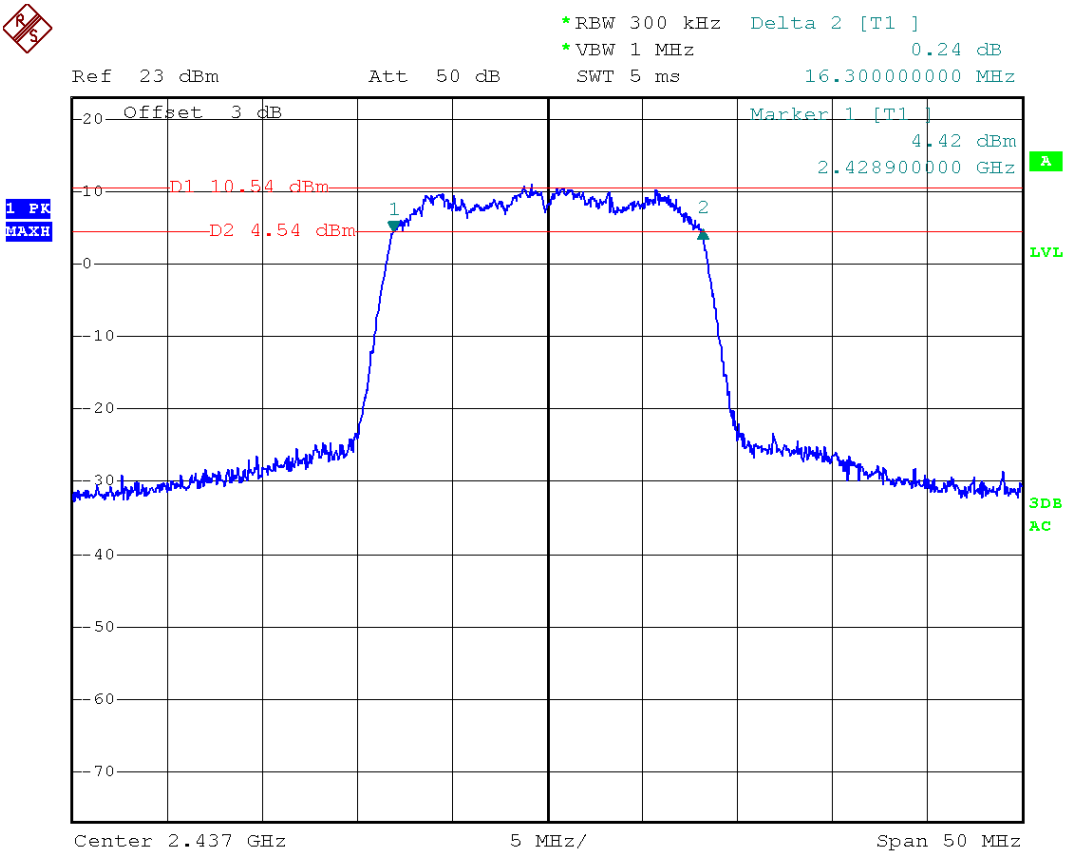
Channel	Channel Frequency (MHz)	Data Rate (Mbps)	6dB Bandwidth (MHz)	Limit (kHz)
802.11g Mode				
Low Channel	2412	54	16.000	＞500
Middle Channel	2437	54	16.300	＞500
High Channel	2462	54	16.100	＞500

802.11g mode:

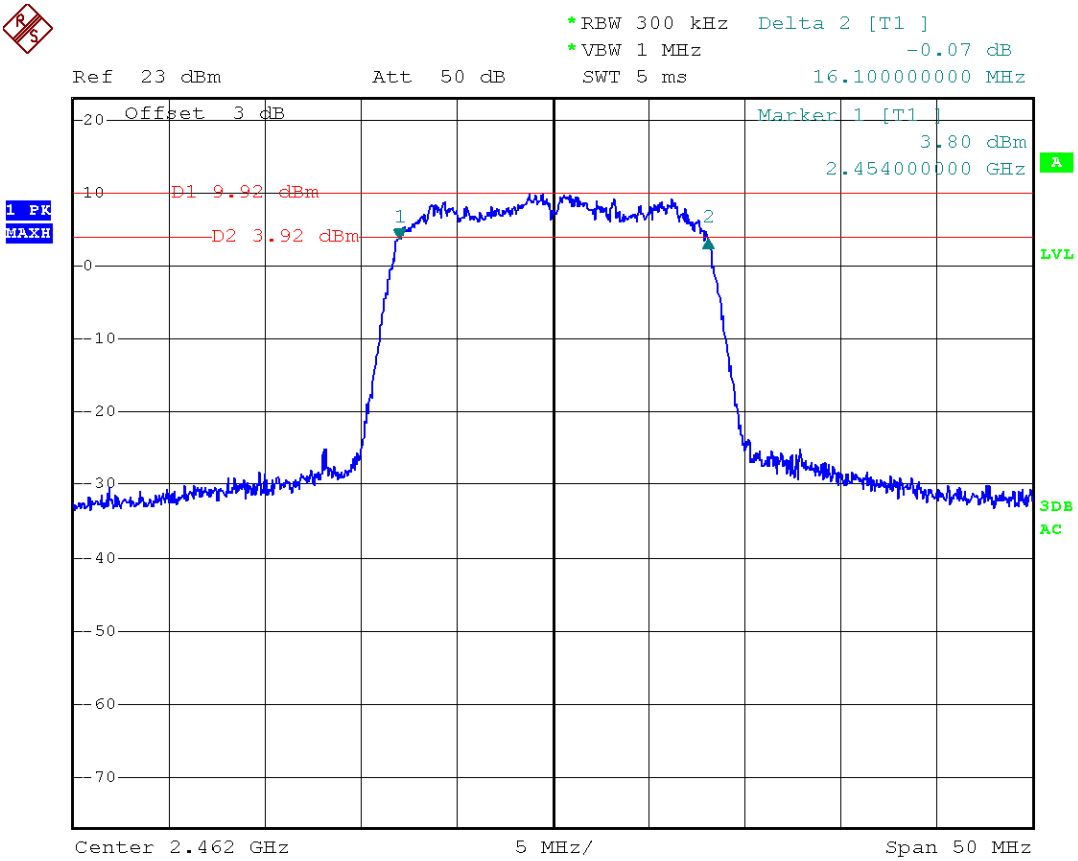
Channel 2412MHz



Channel 2437MHz



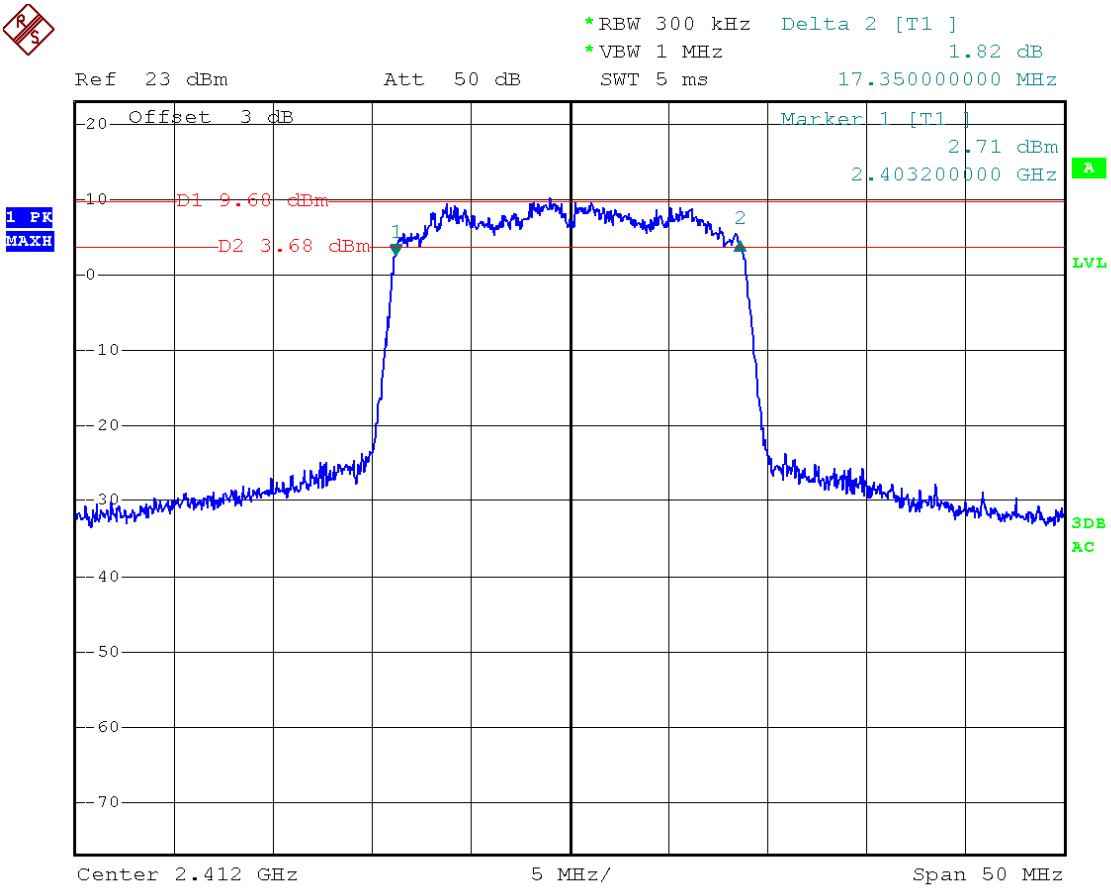
Channel 2462MHz



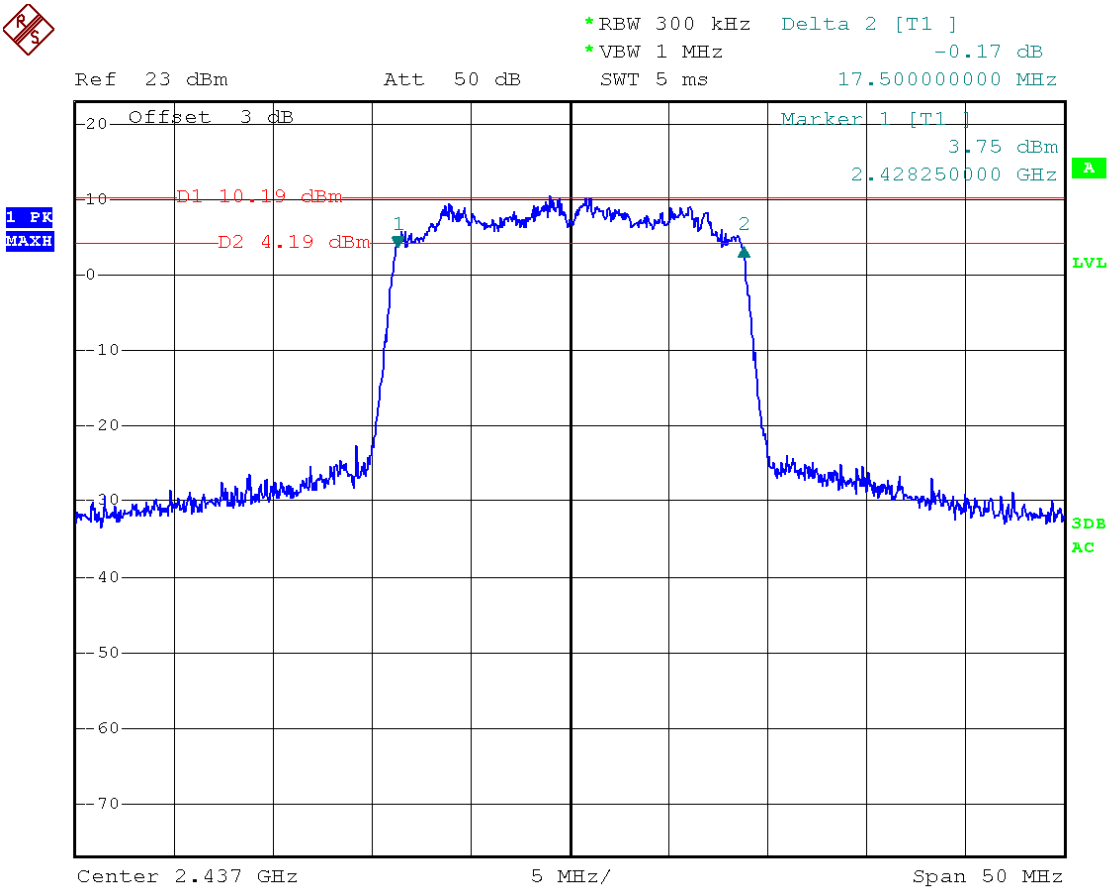
Channel	Channel Frequency (MHz)	Data Rate (Mbps)	6dB Bandwidth (MHz)	Limit (kHz)
802.11n20 Mode				
Low Channel	2412	MCS7	17.350	＞500
Middle Channel	2437	MCS7	17.500	＞500
High Channel	2462	MCS7	17.350	＞500

802.11n20 mode:

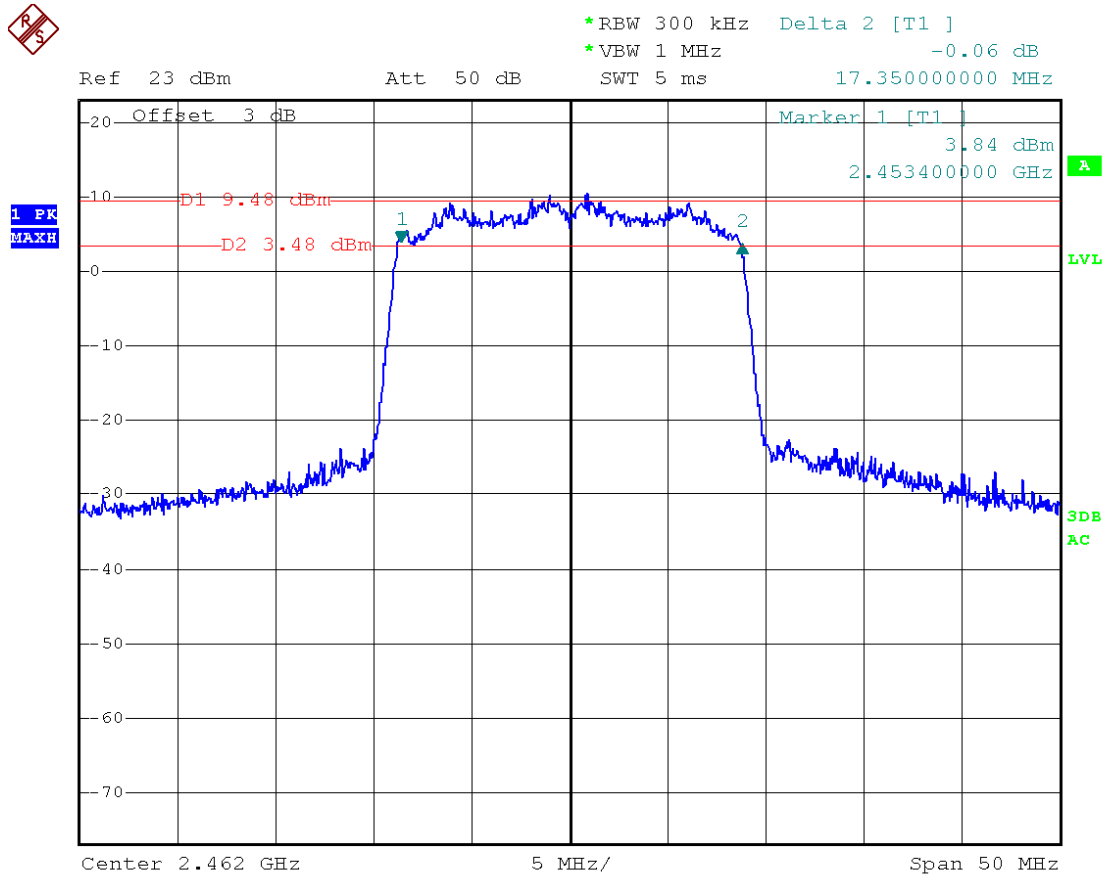
Channel 2412MHz



Channel 2437MHz



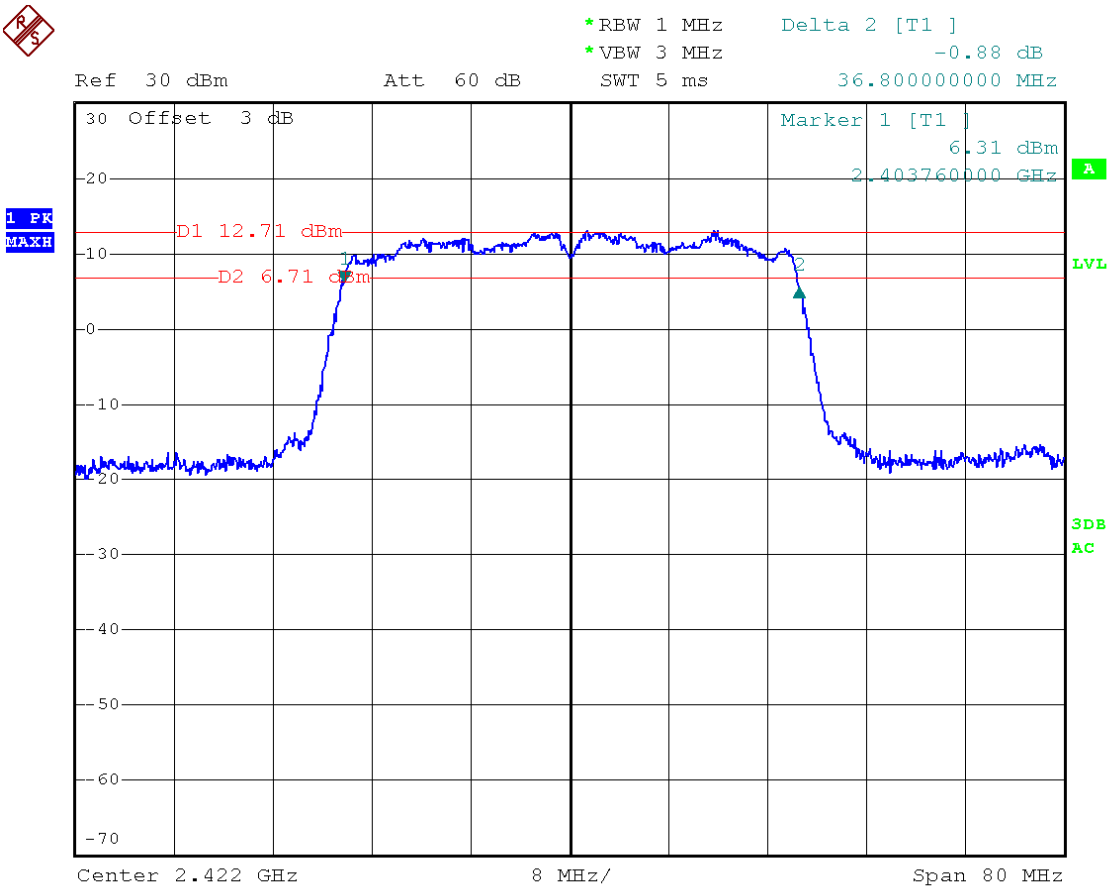
Channel 2462MHz



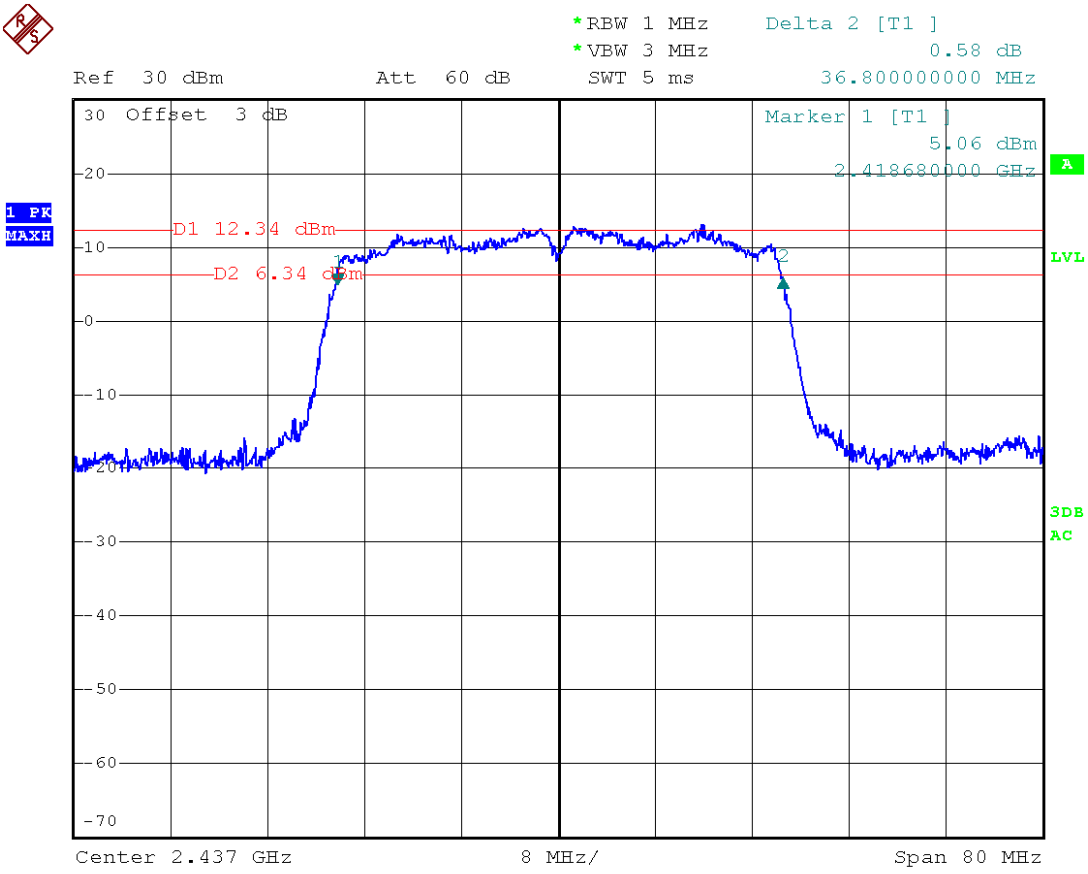
Channel	Channel Frequency (MHz)	Data Rate (Mbps)	6dB Bandwidth (MHz)	Limit (kHz)
802.11n40 Mode				
Low Channel	2422	MCS15	36.800	＞500
Middle Channel	2437	MCS15	36.800	＞500
High Channel	2452	MCS15	36.320	＞500

802.11n40 mode:

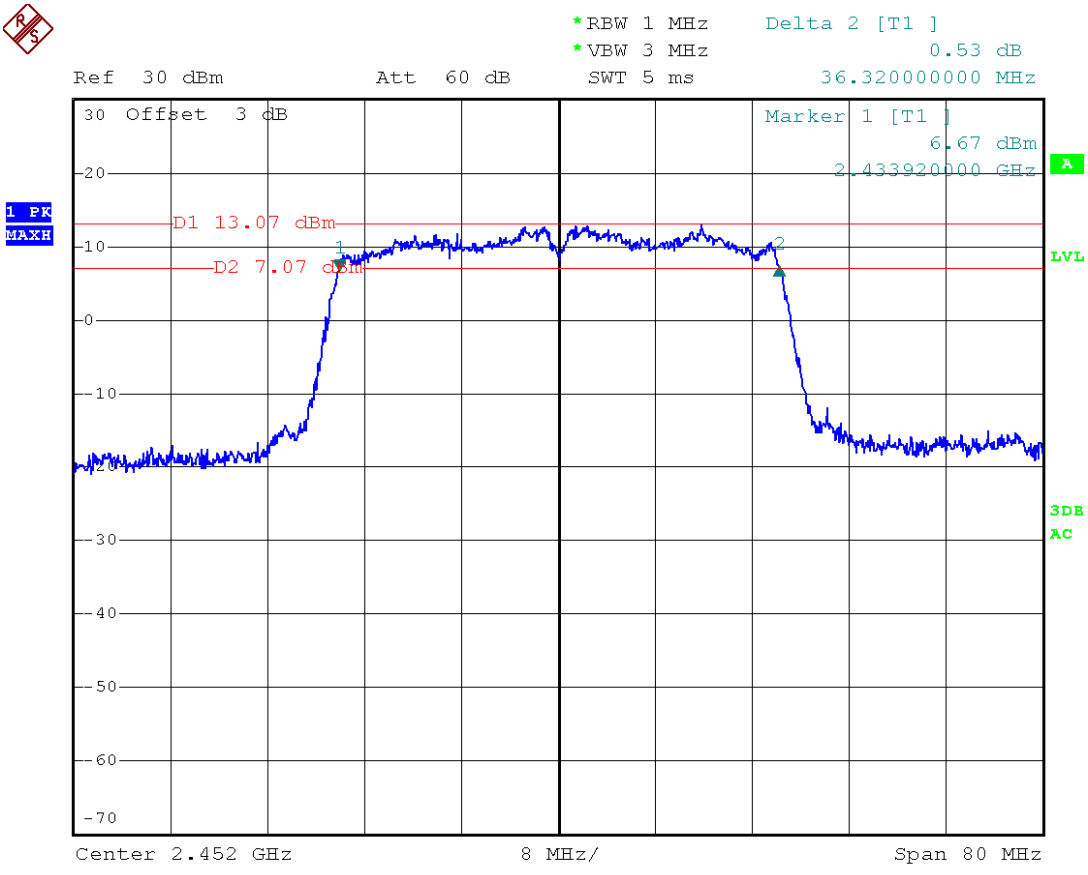
Channel 2422MHz



Channel 2437MHz



Channel 2452MHz



4.6 MAXIMUM PEAK OUTPUT POWER

4.6.1 LIMITS

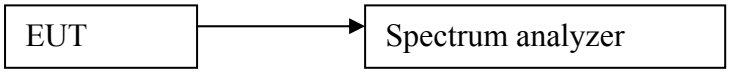
The maximum Peak output power measurement is 1W

4.6.2 TEST PROCEDURES

Test procedures follow KDB 558074 D01 DTS Meas Guidance v01.

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to an EMI Test Receiver.
3. The spectrum analyzer resolution bandwidth that is ≤EBW. So we test the Maximum Conducted (Average) Output Power Level.
4. Set the analyzer span to 5-30% greater than the EBW. Set the RBW = 1 MHz. Set the VBW ≥ 3 MHz. Ensure that the number of measurement points in the sweep ≥ 2 x (span/RBW).Sweep time = auto couple.Detector = power averaging (RMS) or sample.Employ trace averaging in power averaging (RMS) mode over a minimum of 100 traces.

4.6.3 TEST SETUP



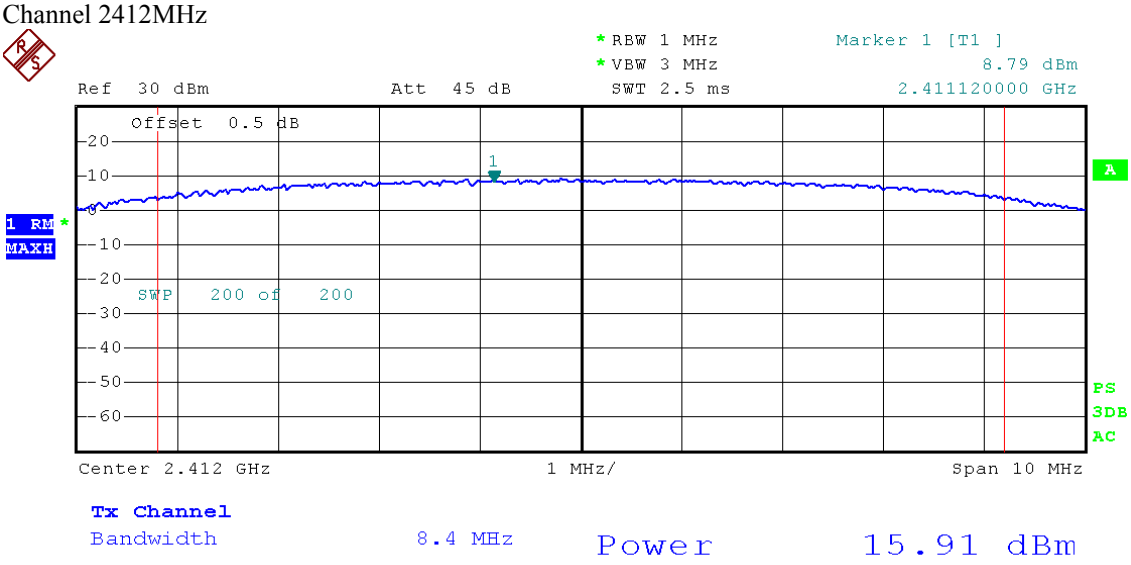
4.6.4 TEST RESULTS

802.11b Mode:

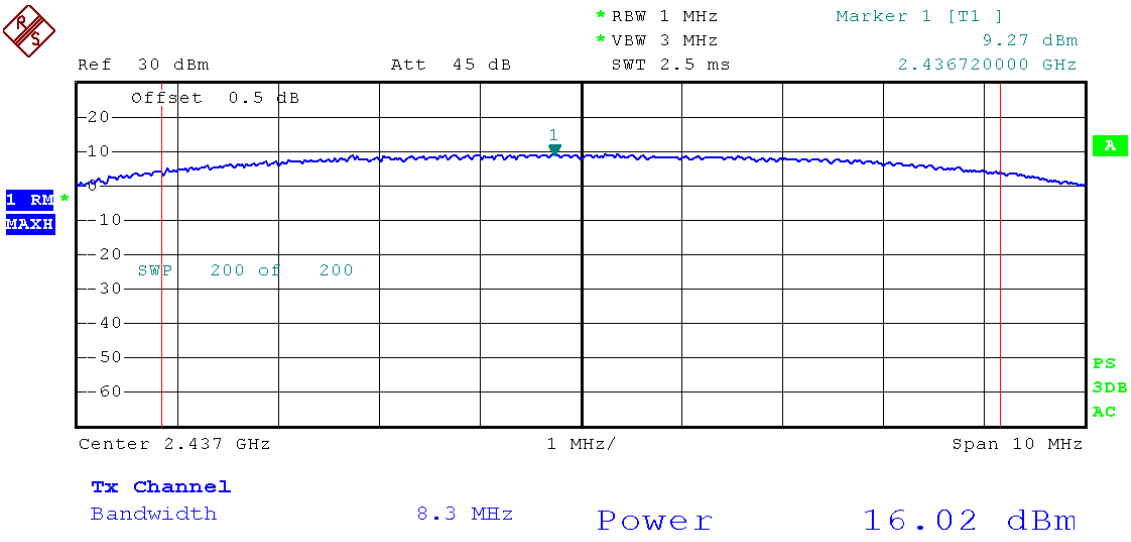
Channel No.	Frequency (MHz)	Mode	Data Rate	Measured Channel Power (dBm)	Limit	Result
1	2412	802.11b	1Mbps	15.41	1W (30dBm)	Pass
6	2437			15.56		Pass
11	2462			15.01		Pass
1	2412		2Mps	15.45		Pass
6	2437			15.49		Pass
11	2462			15.33		Pass
1	2412		5.5Mbps	15.62		Pass
6	2437			15.74		Pass
11	2462			15.46		Pass
1	2412		11Mbps	15.91		Pass
6	2437			16.02		Pass
11	2462			15.52		Pass

802.11b mode: 11Mbps

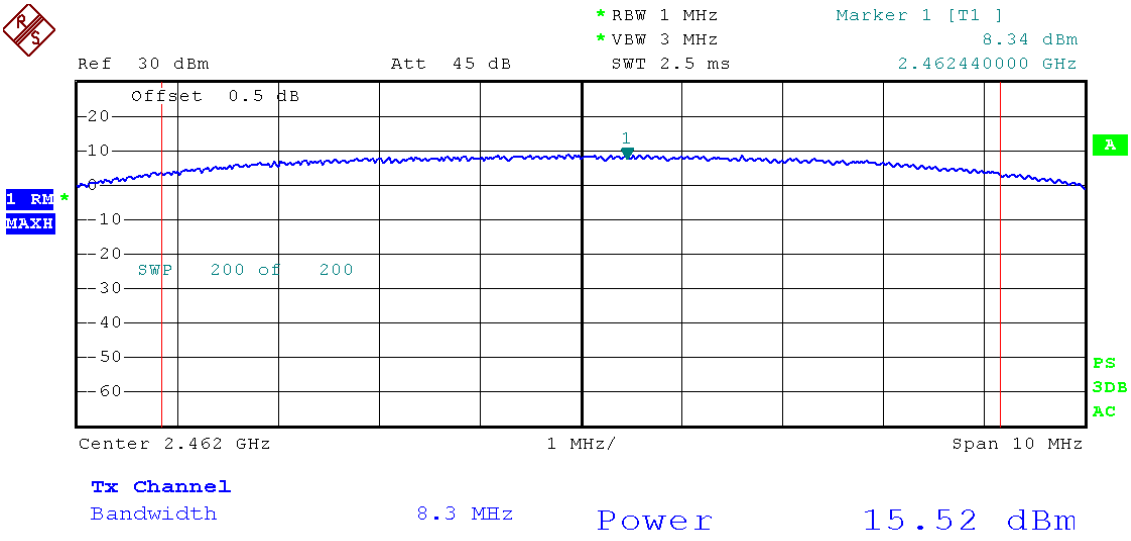
Channel 2412MHz



Channel 2437MHz



Channel 2462MHz

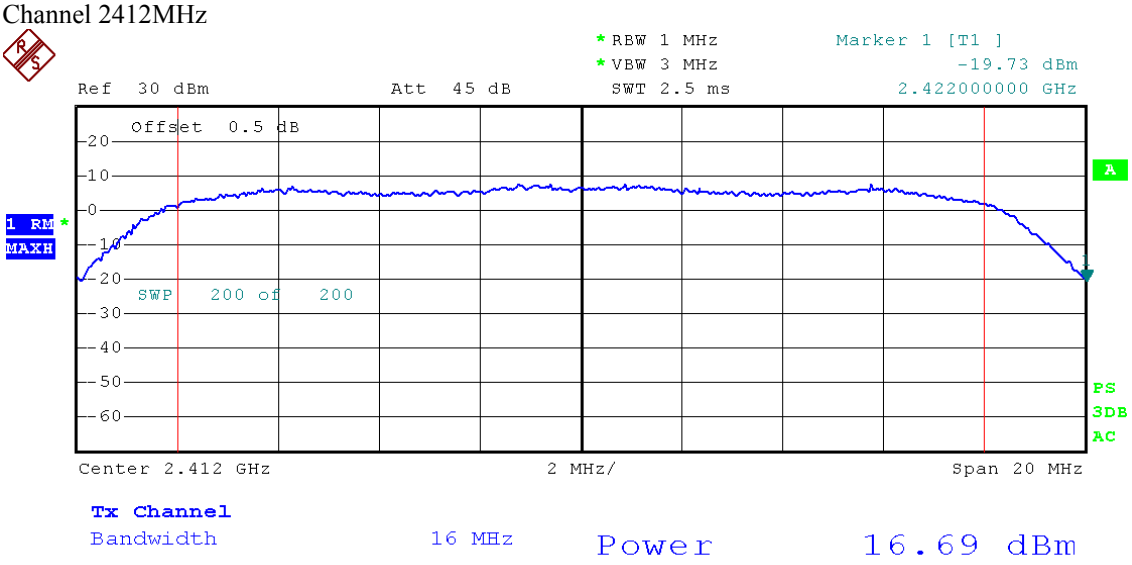


802.11g Mode:

Channel No.	Frequency (MHz)	Mode	Data Rate	Measured Channel Power (dBm)	Limit	Result
1	2412	802.11g	6Mbps	16.03	1W (30dbm)	Pass
6	2437			16.09		Pass
11	2462			15.09		Pass
1	2412		9Mbps	15.93		Pass
6	2437			16.07		Pass
11	2462			15.01		Pass
1	2412		12Mbps	15.98		Pass
6	2437			16.07		Pass
11	2462			15.05		Pass
1	2412		18Mbps	15.81		Pass
6	2437			16.01		Pass
11	2462			15.04		Pass
1	2412		24Mbps	16.49		Pass
6	2437			16.24		Pass
11	2462			15.54		Pass
1	2412		36Mbps	16.44		Pass
6	2437			16.14		Pass
11	2462			15.65		Pass
1	2412		48Mbps	16.52		Pass
6	2437			16.24		Pass
11	2462			15.70		Pass
1	2412		54Mbps	16.69		Pass
6	2437			16.71		Pass
11	2462			16.01		Pass

802.11g mode: 54Mbps

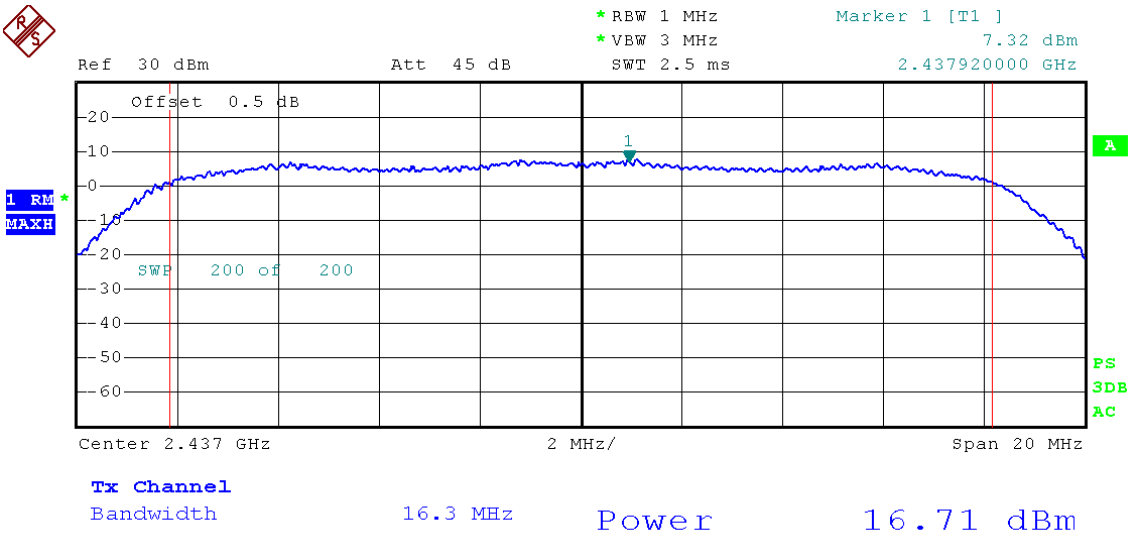
Channel 2412MHz



Tx Channel

Bandwidth 16 MHz Power 16.69 dBm

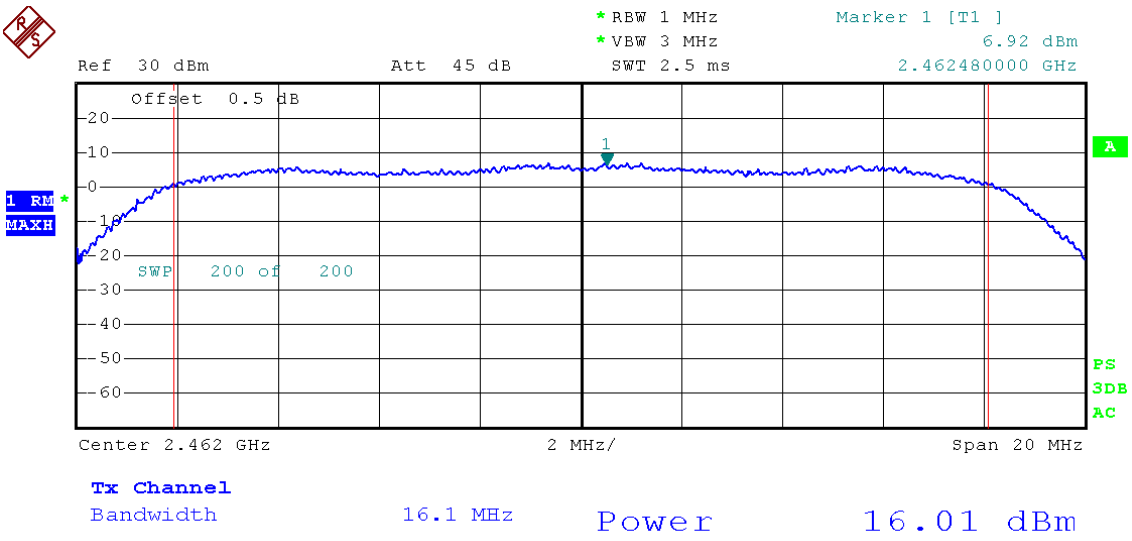
Channel 2437MHz



Tx Channel

Bandwidth 16.3 MHz Power 16.71 dBm

Channel 2462MHz



Tx Channel

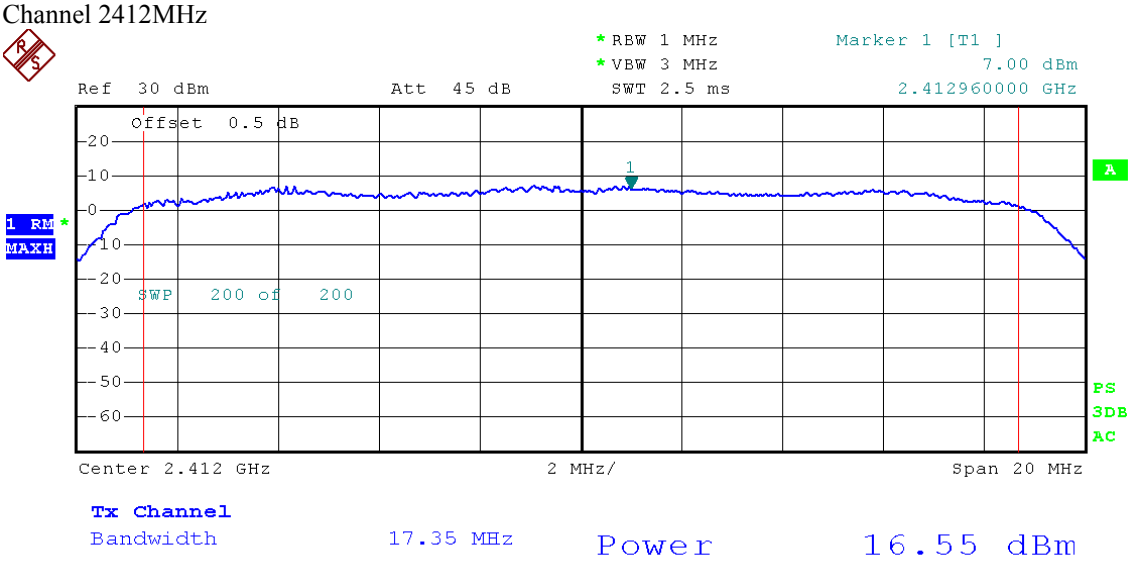
Bandwidth 16.1 MHz Power 16.01 dBm

802.11n20 Mode:

Channel No.	Frequency (MHz)	Mode	Data Rate	Measured Channel Power (dBm)	Limit	Result
1	2412	802.11n20	13 Mbps	15.99	1W (30dbm)	Pass
6	2437			16.18		Pass
11	2462			15.51		Pass
1	2412		26 Mbps	16.06		Pass
6	2437			16.13		Pass
11	2462			15.20		Pass
1	2412		39 Mbps	16.13		Pass
6	2437			16.07		Pass
11	2462			15.11		Pass
1	2412		52 Mbps	16.17		Pass
6	2437			16.12		Pass
11	2462			15.55		Pass
1	2412		78 Mbps	16.27		Pass
6	2437			16.15		Pass
11	2462			15.56		Pass
1	2412		104 Mbps	16.48		Pass
6	2437			16.21		Pass
11	2462			15.69		Pass
1	2412		117 Mbps	16.44		Pass
6	2437			16.28		Pass
11	2462			15.73		Pass
1	2412		135 Mbps	16.55		Pass
6	2437			16.43		Pass
11	2462			15.82		Pass

802.11n20 mode: 135 Mbps

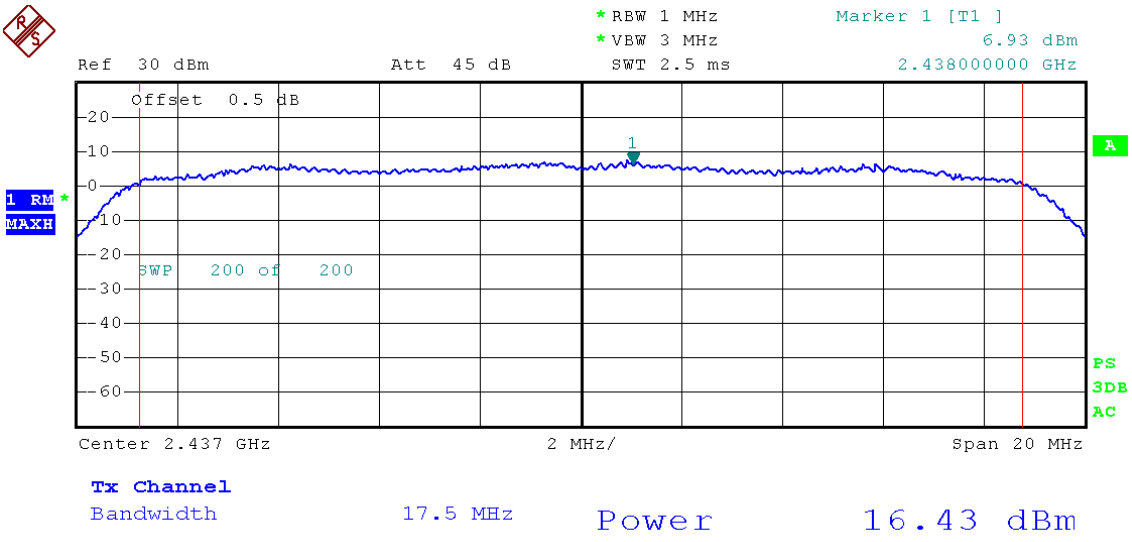
Channel 2412MHz



Tx Channel

Bandwidth 17.35 MHz Power 16.55 dBm

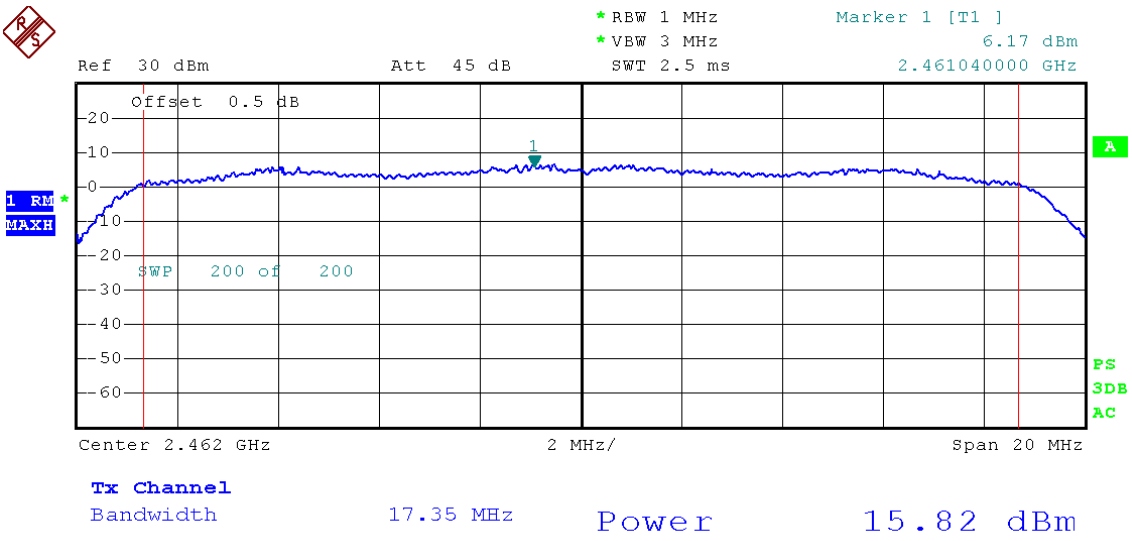
Channel 2437MHz



Tx Channel

Bandwidth 17.5 MHz Power 16.43 dBm

Channel 2462MHz



Tx Channel

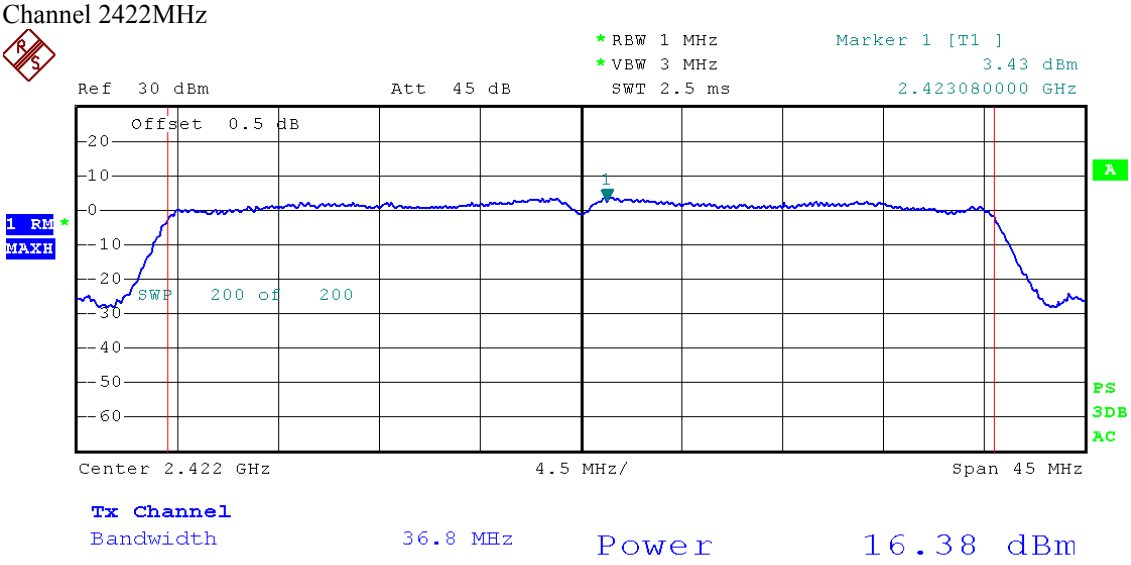
Bandwidth 17.35 MHz Power 15.82 dBm

802.11n40 Mode:

Channel No.	Frequency (MHz)	Mode	Data Rate	Measured Channel Power (dBm)	Limit	Result
3	2422	802.11n40	27 Mbps	16.18	1W (30dbm)	Pass
6	2437			15.33		Pass
9	2452			15.51		Pass
3	2422		54 Mbps	16.22		Pass
6	2437			15.29		Pass
9	2452			15.35		Pass
3	2422		81 Mbps	16.15		Pass
6	2437			15.31		Pass
9	2452			15.38		Pass
3	2422		108 Mbps	16.28		Pass
6	2437			15.46		Pass
9	2452			15.51		Pass
3	2422		162 Mbps	16.17		Pass
6	2437			15.49		Pass
9	2452			15.58		Pass
3	2422		216 Mbps	16.29		Pass
6	2437			15.43		Pass
9	2452			15.55		Pass
3	2422		243 Mbps	16.25		Pass
6	2437			15.49		Pass
9	2452			15.51		Pass
3	2422		270 Mbps	16.38		Pass
6	2437			15.92		Pass
9	2452			15.59		Pass

802.11n40 mode: MCS15

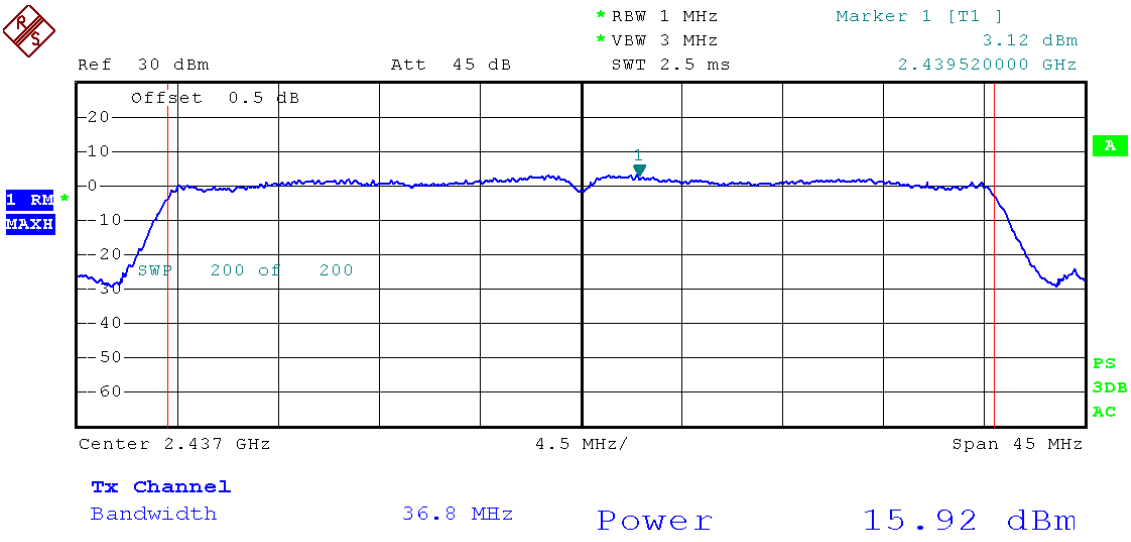
Channel 2422MHz



Tx Channel

Bandwidth 36.8 MHz Power 16.38 dBm

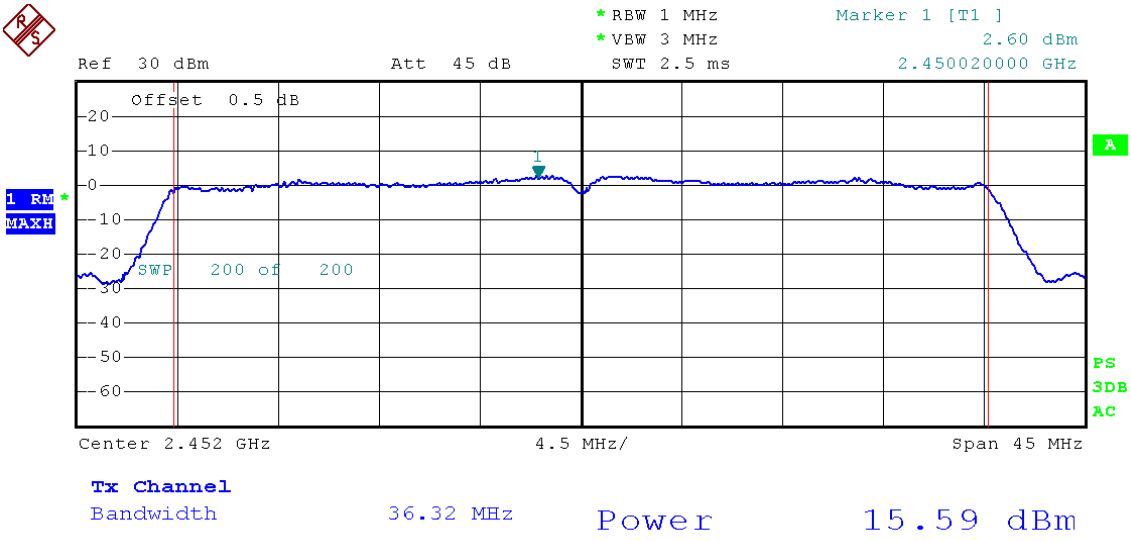
Channel 2437MHz



Tx Channel

Bandwidth 36.8 MHz Power 15.92 dBm

Channel 2452MHz



Tx Channel

Bandwidth 36.32 MHz Power 15.59 dBm

4.7 BAND EDGE MEASUREMENT

4.7.1 LIMITS

Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

4.7.2 TEST PROCEDURES

Test procedures follow KDB 558074 D01 DTS Meas Guidance v01.

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set the analyzer span to encompass the entire unwanted emission bandwidth above the measurement system noise level. Set the RBW = 1 MHz. Set the VBW ≥ 3 MHz. Ensure that the number of measurement points in the sweep ≥ 2 x (span/RBW). Set sweep time = auto couple.Detector = sample. Employ trace averaging over a minimum of 100 traces.
4. Use the peak marker function to determine the maximum average power level in any 1 MHz of the unwanted emission.
5. Repeat above procedures until all measured frequencies were complete.

4.7.3 TEST SETUP

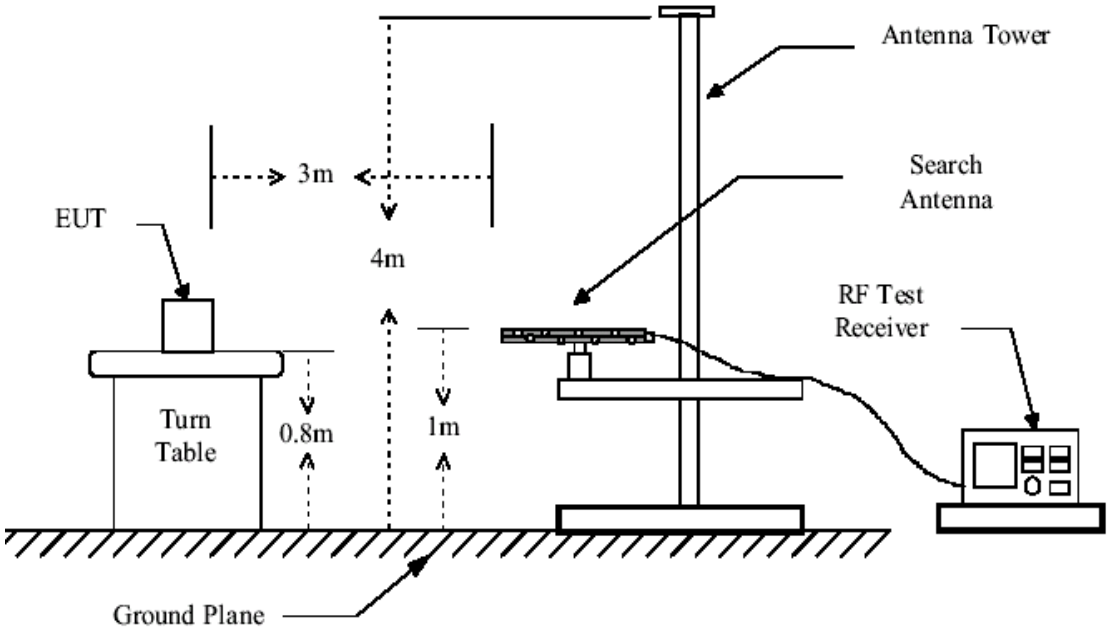


Figure 1. 30MHz to 1GHz radiated emissions test configuration

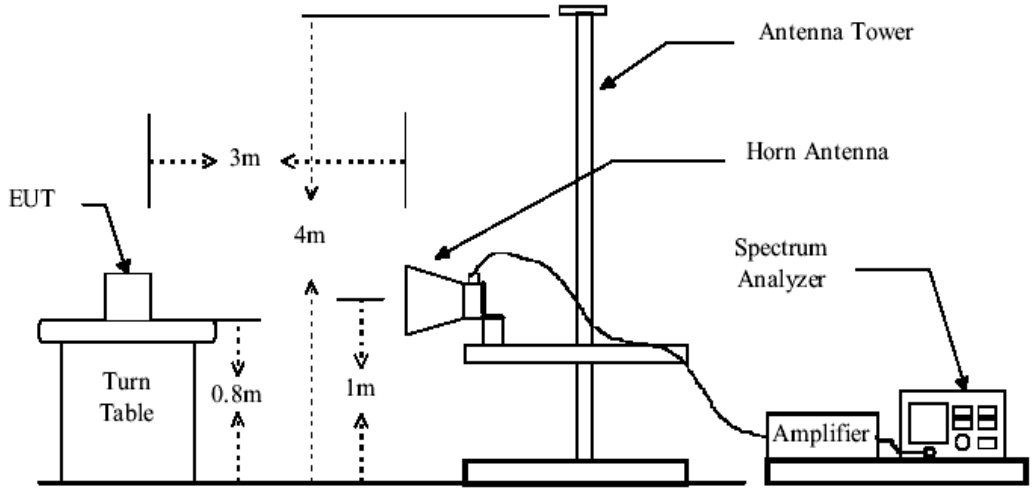
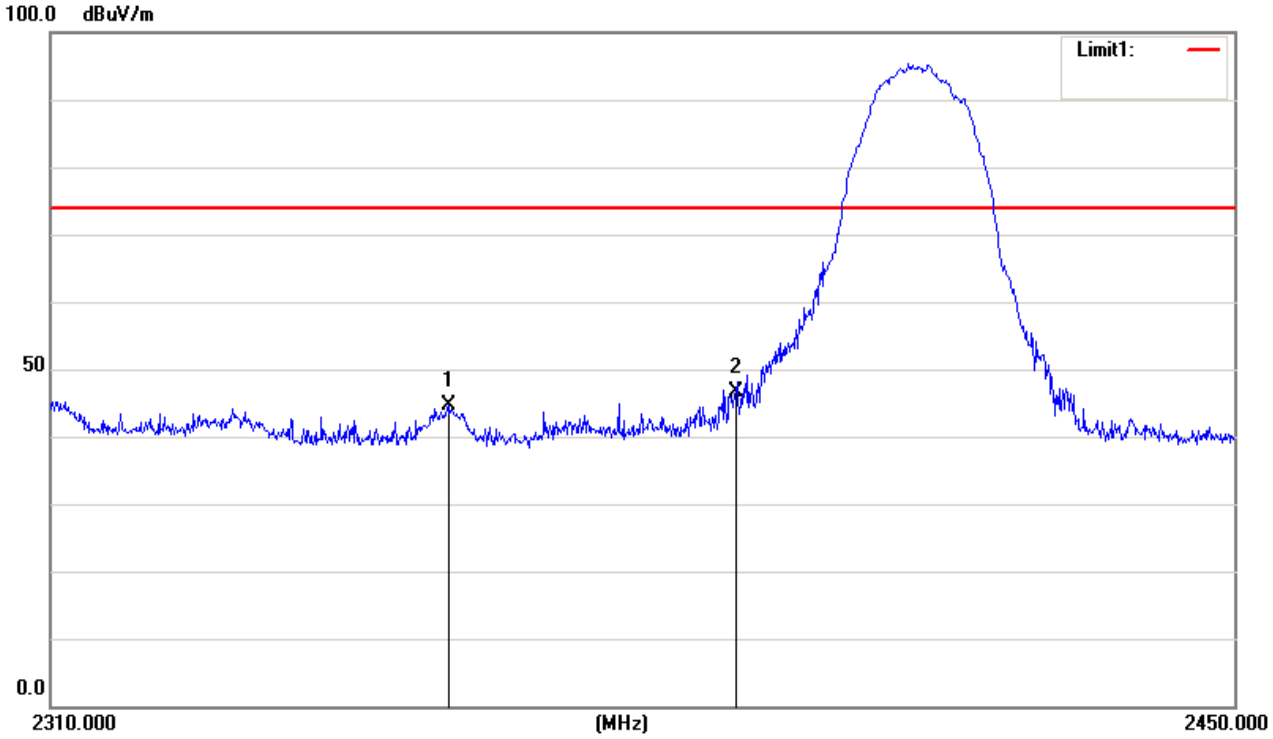


Figure 2. Above 1GHz radiated emissions test configuration

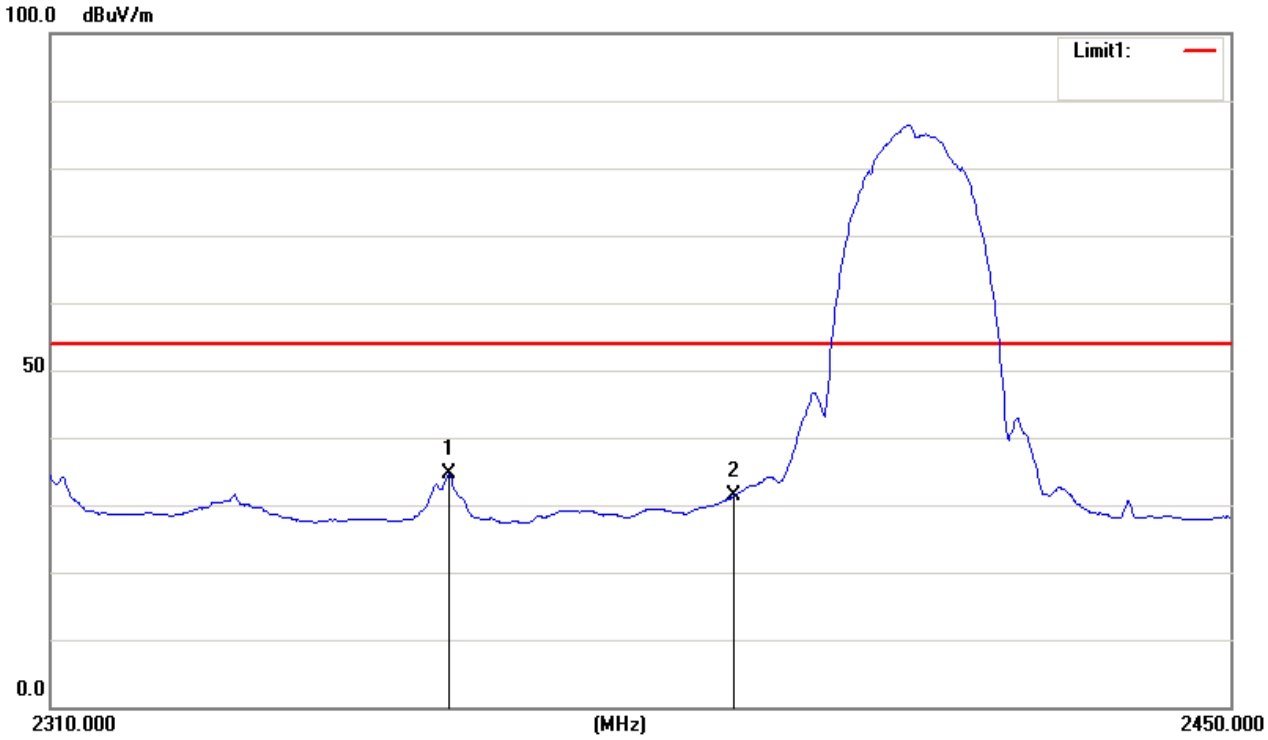
4.7.4 TEST RESULTS

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:16:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11b 2412**		



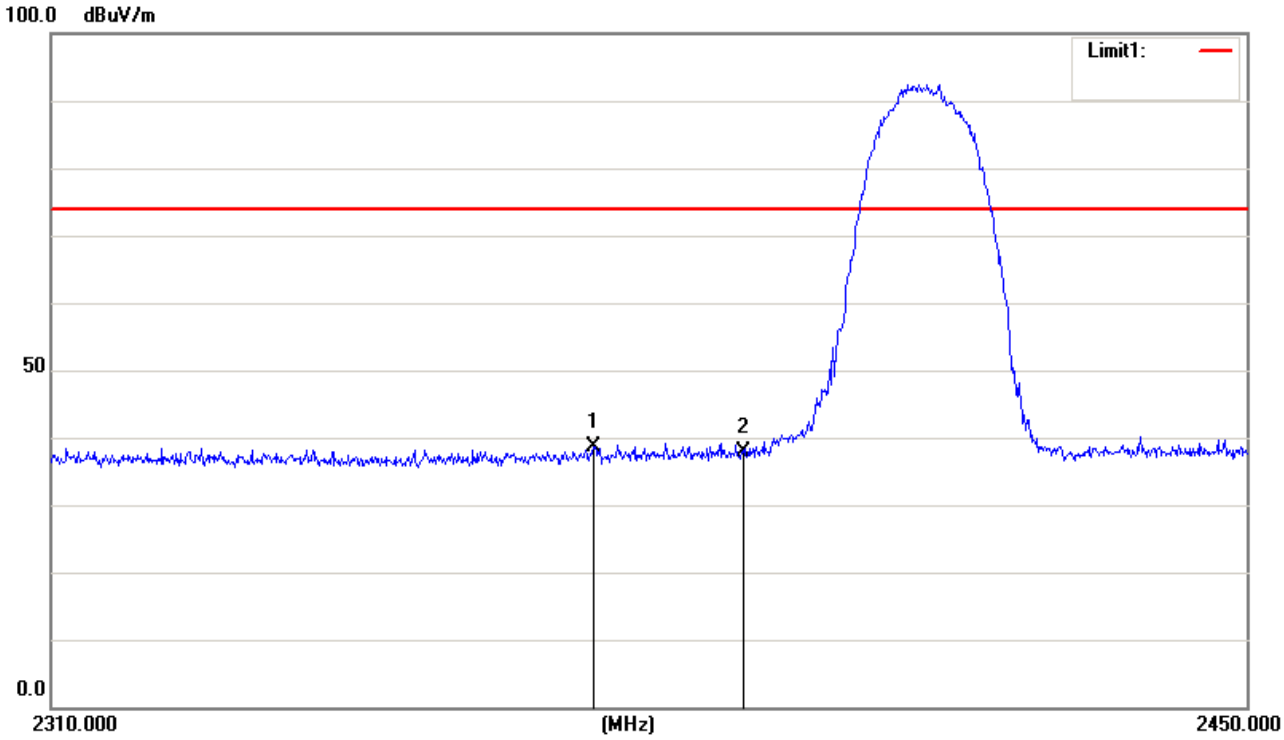
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2356.340	28.00	16.74	44.74	74.00	-29.26	peak
2	2390.000	29.95	16.62	46.57	74.00	-27.43	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:21:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11b 2412**		



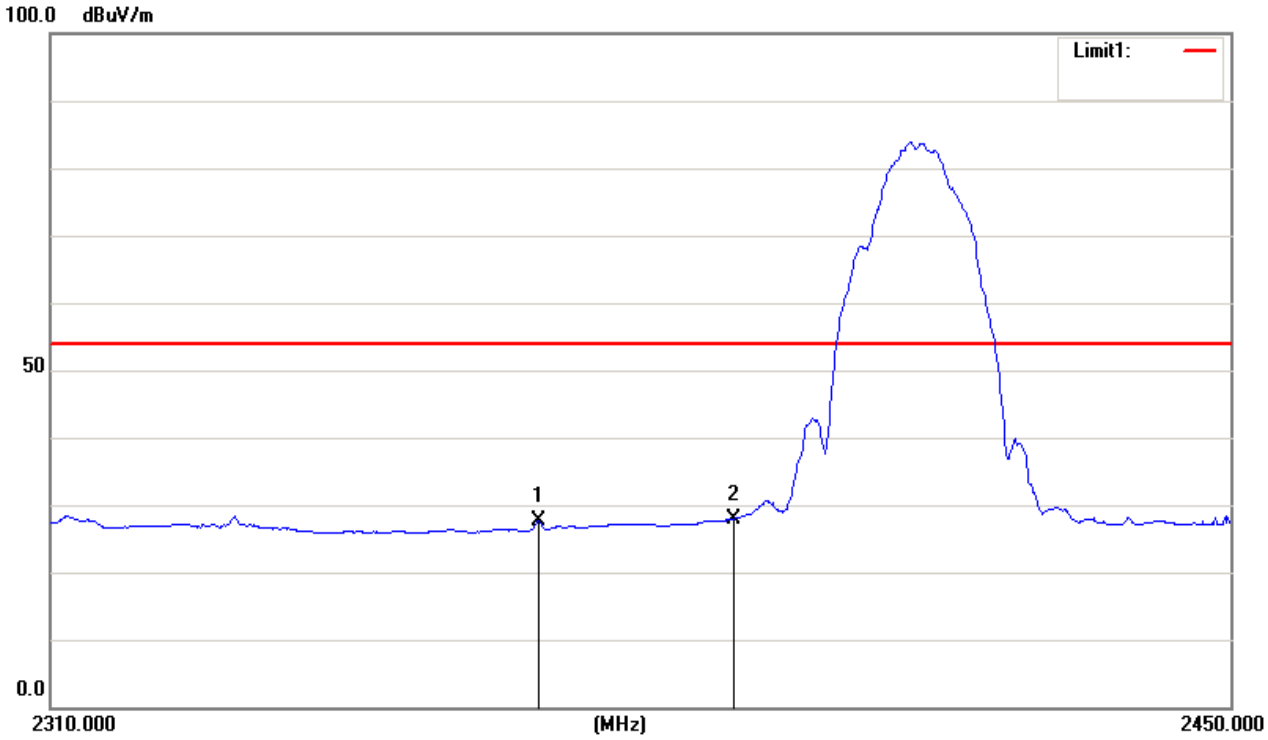
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2356.480	17.76	16.75	34.51	54.00	-19.49	AVG
2	2390.000	14.84	16.62	31.46	54.00	-22.54	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:24:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11b 2412**		



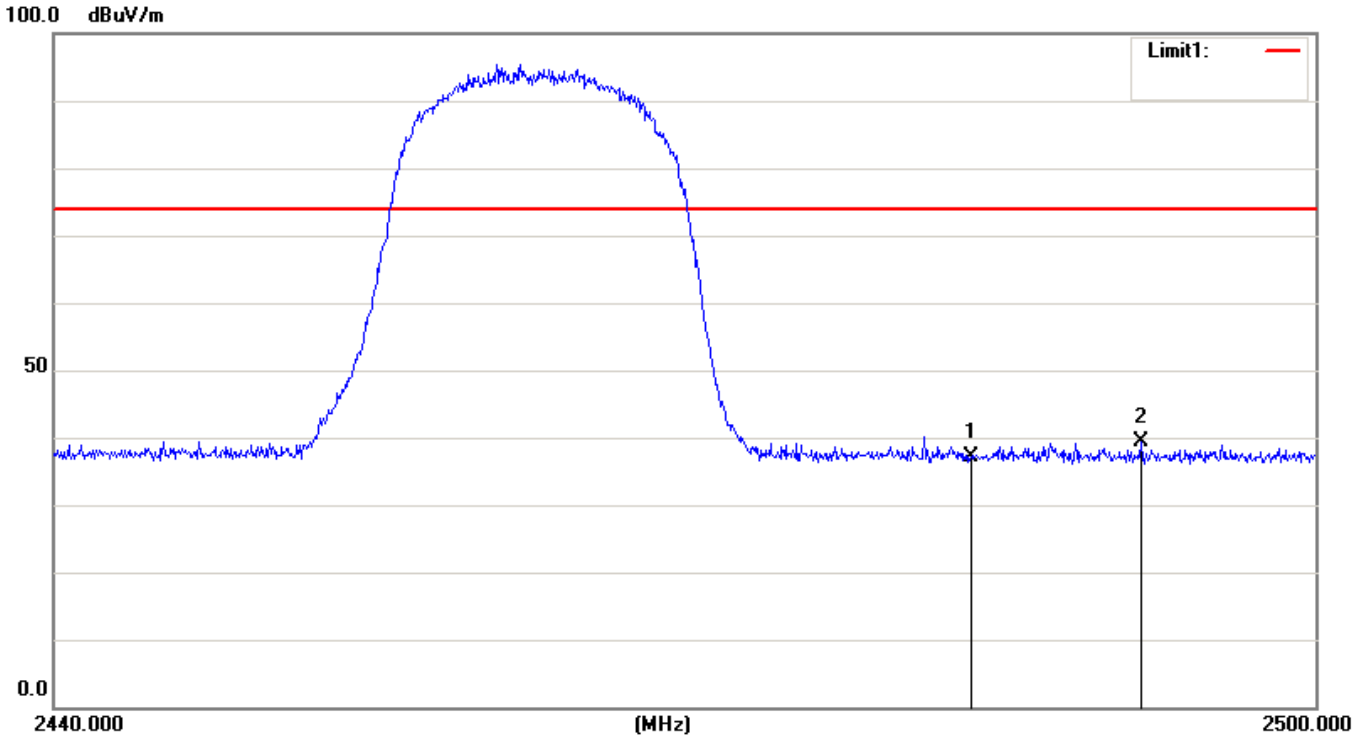
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2372.580	22.56	16.17	38.73	74.00	-35.27	peak
2	2390.000	21.37	16.62	37.99	74.00	-36.01	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:27:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11b 2412**		



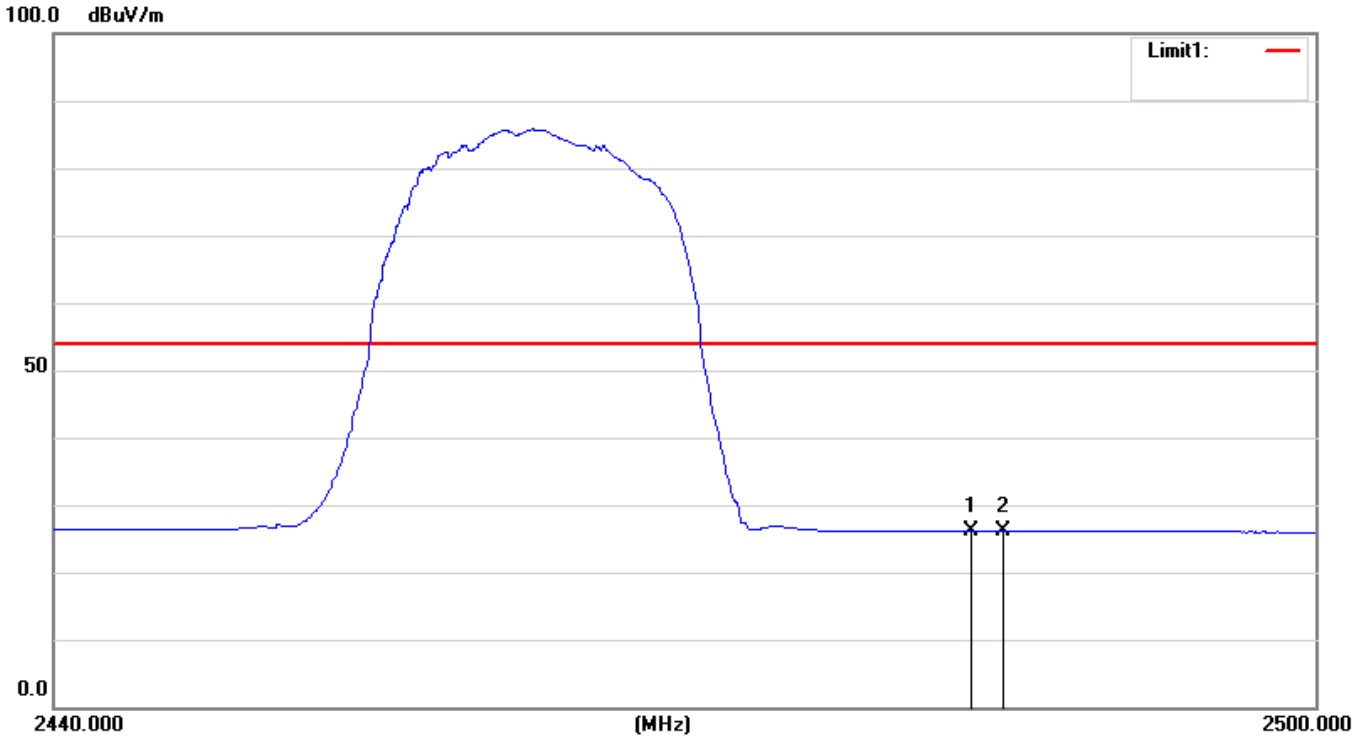
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2366.980	11.59	16.02	27.61	54.00	-26.39	AVG
2	2390.000	11.37	16.62	27.99	54.00	-26.01	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:30:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11b 2462**		



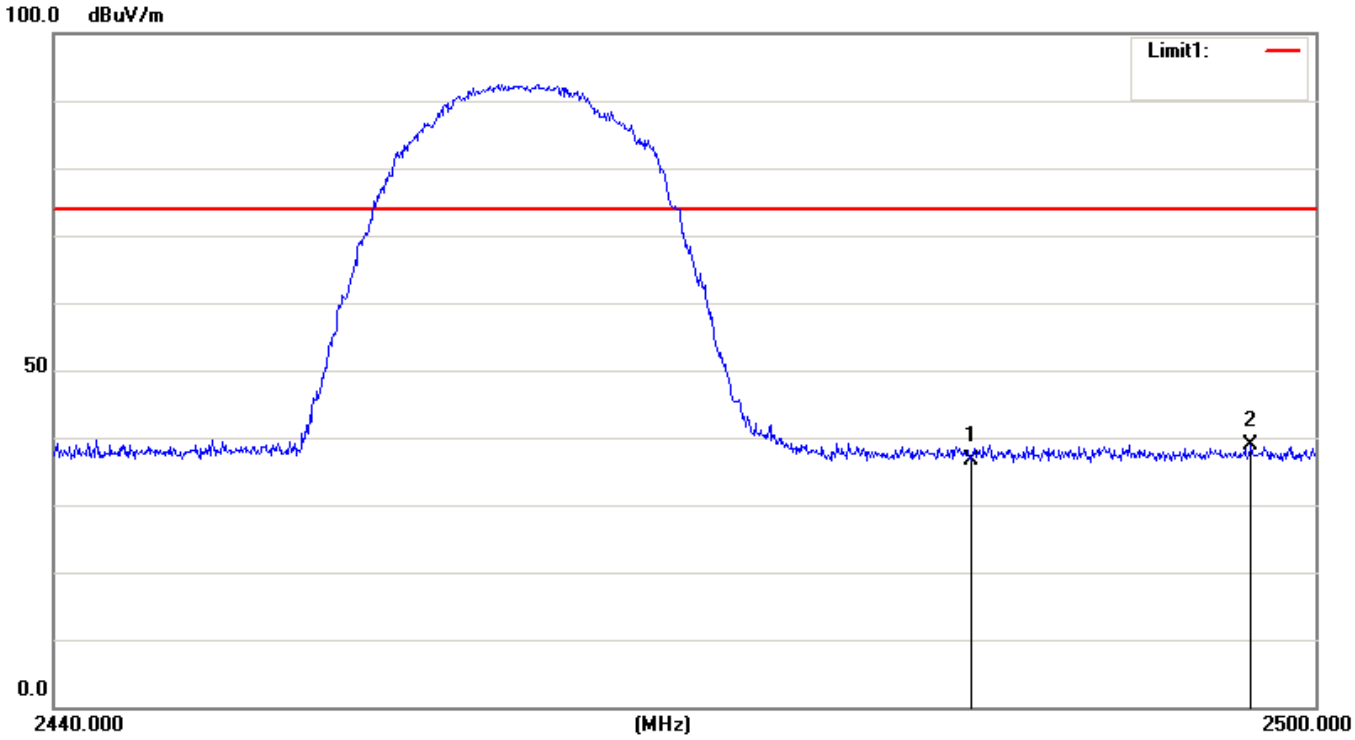
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	21.77	16.47	37.24	74.00	-36.76	peak
2	2491.660	21.87	16.42	39.29	74.00	-34.71	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_ AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:33:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11b 2462**		



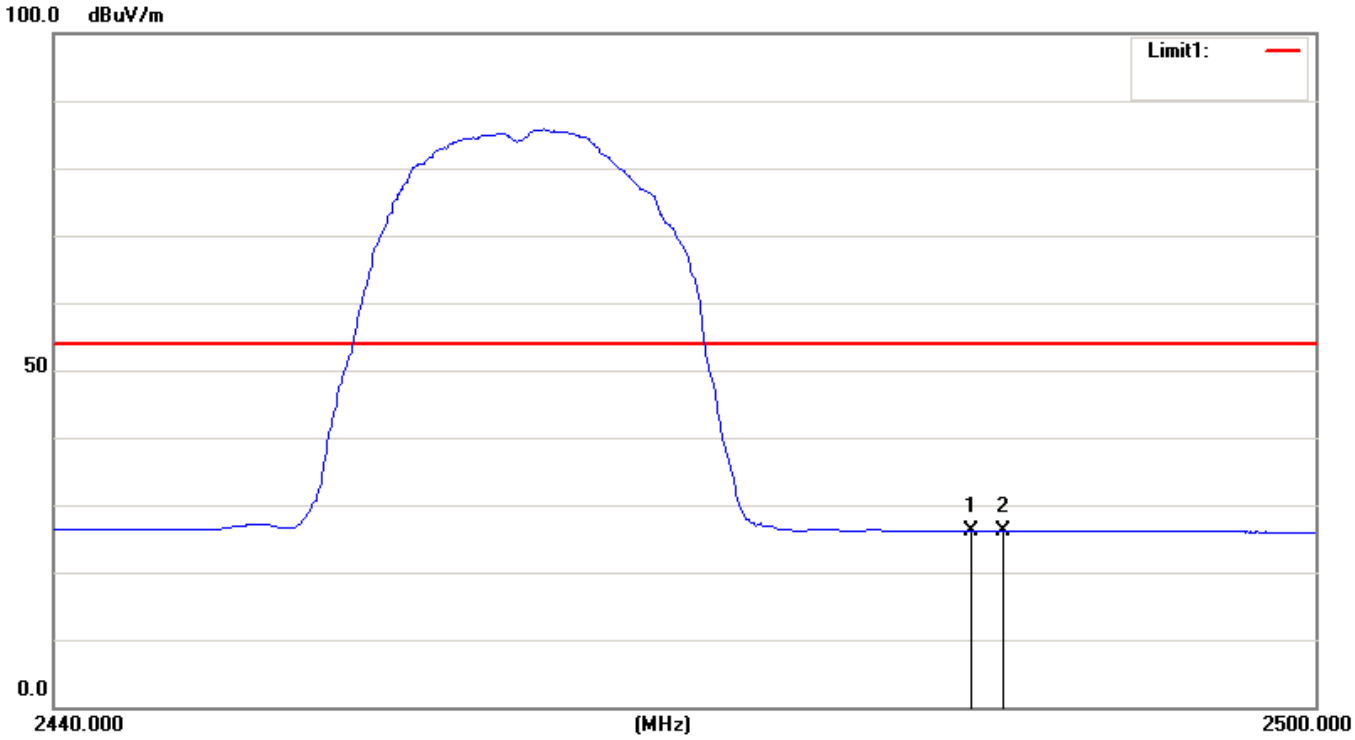
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	9.62	16.47	26.09	54.00	-27.91	AVG
2	2485.000	9.63	16.46	26.09	54.00	-27.91	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:37:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11b 2462**		



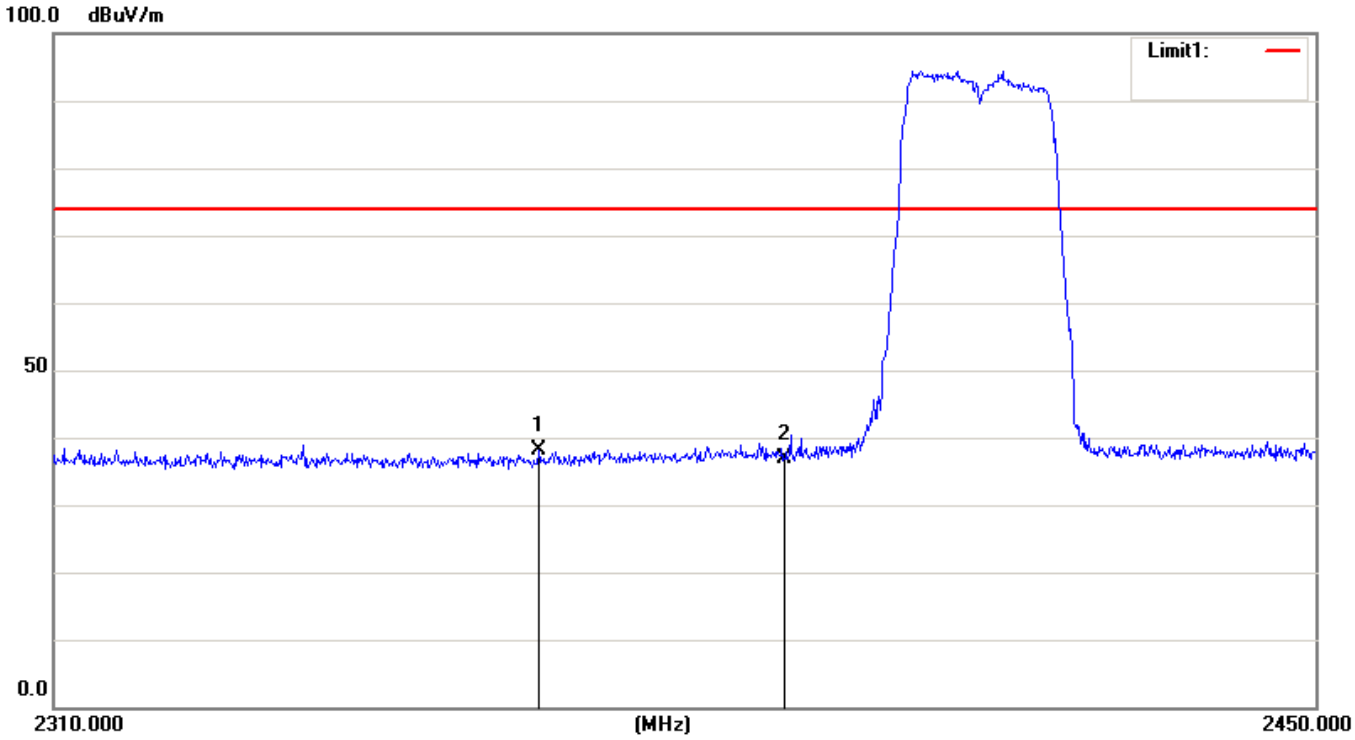
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	20.16	16.47	36.63	74.00	-37.37	peak
2	2496.940	22.49	16.38	38.87	74.00	-35.13	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_ AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:41:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11b 2462**		



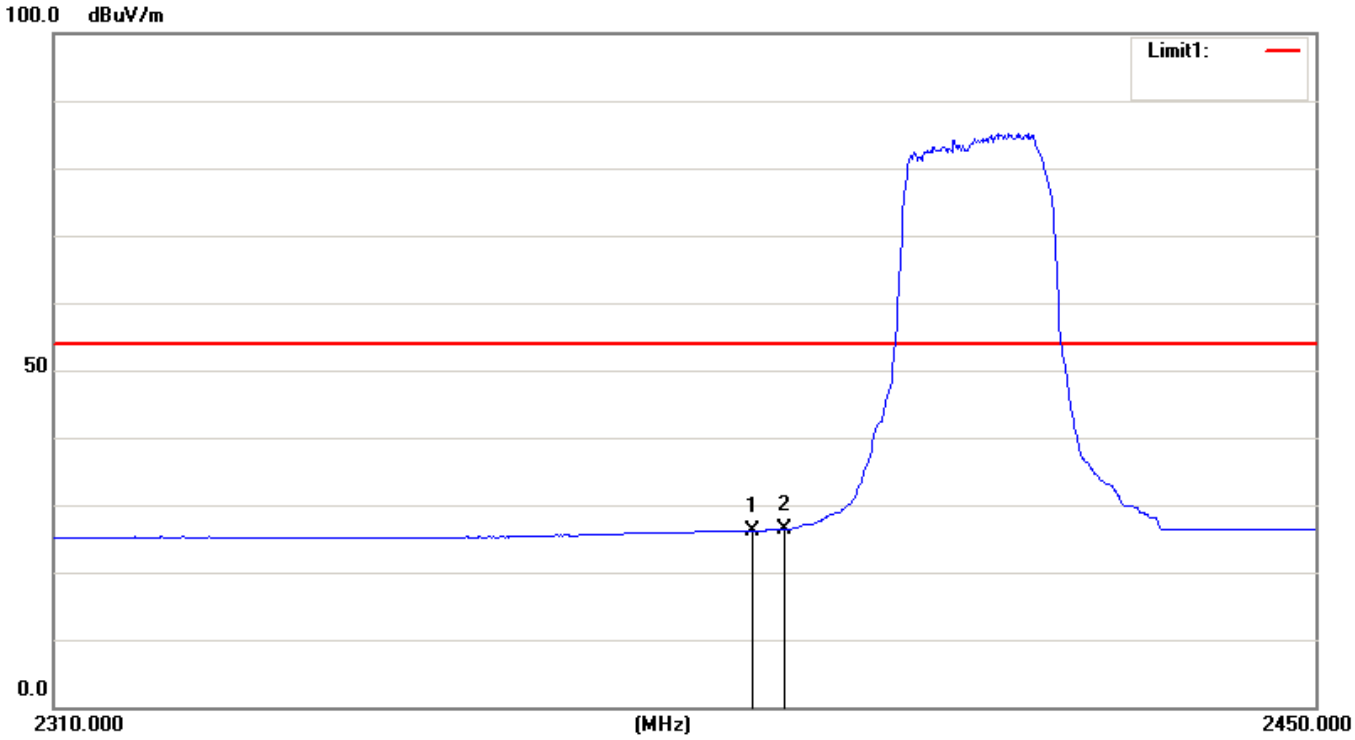
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	9.63	16.47	26.10	54.00	-27.90	AVG
2	2485.000	9.64	16.46	26.10	54.00	-27.90	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:44:27**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11g 2412**		



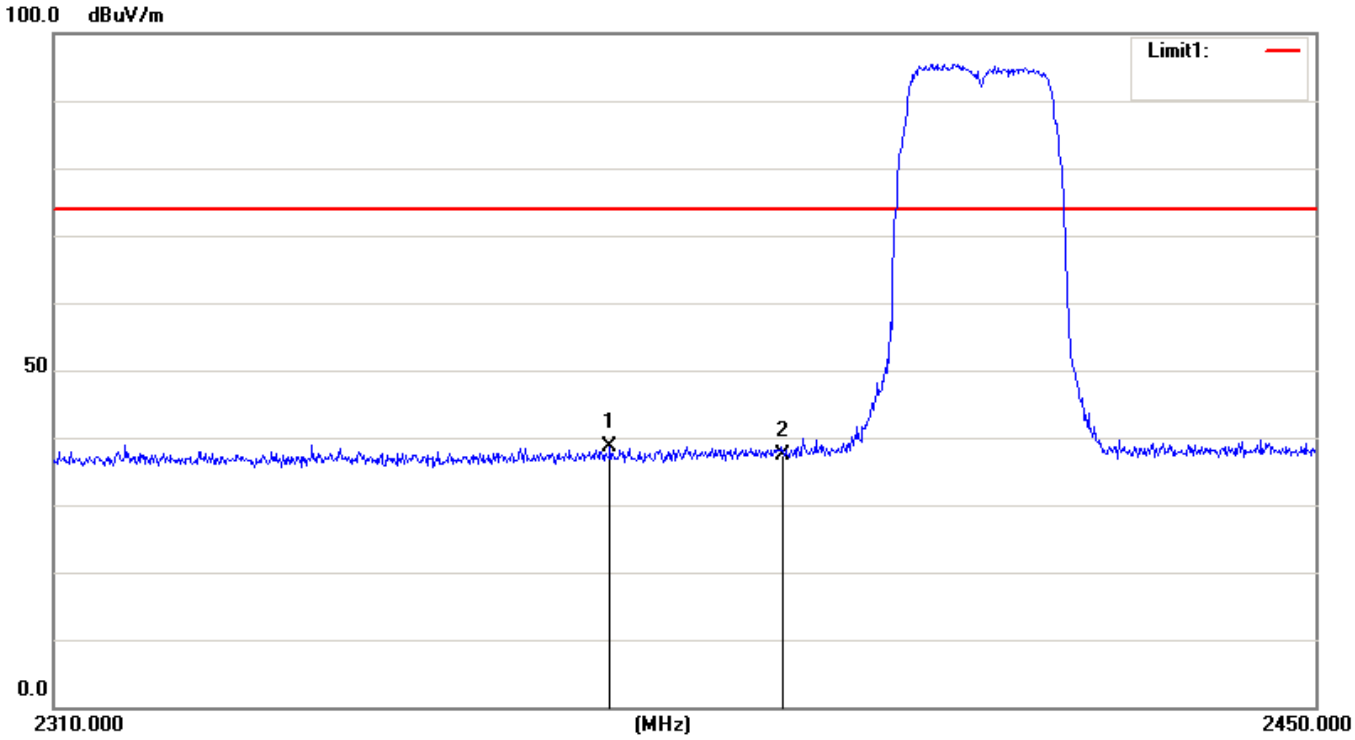
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2363.060	21.30	16.91	38.21	74.00	-35.79	peak
2	2390.000	20.36	16.62	36.98	74.00	-37.02	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:46:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11g 2412**		



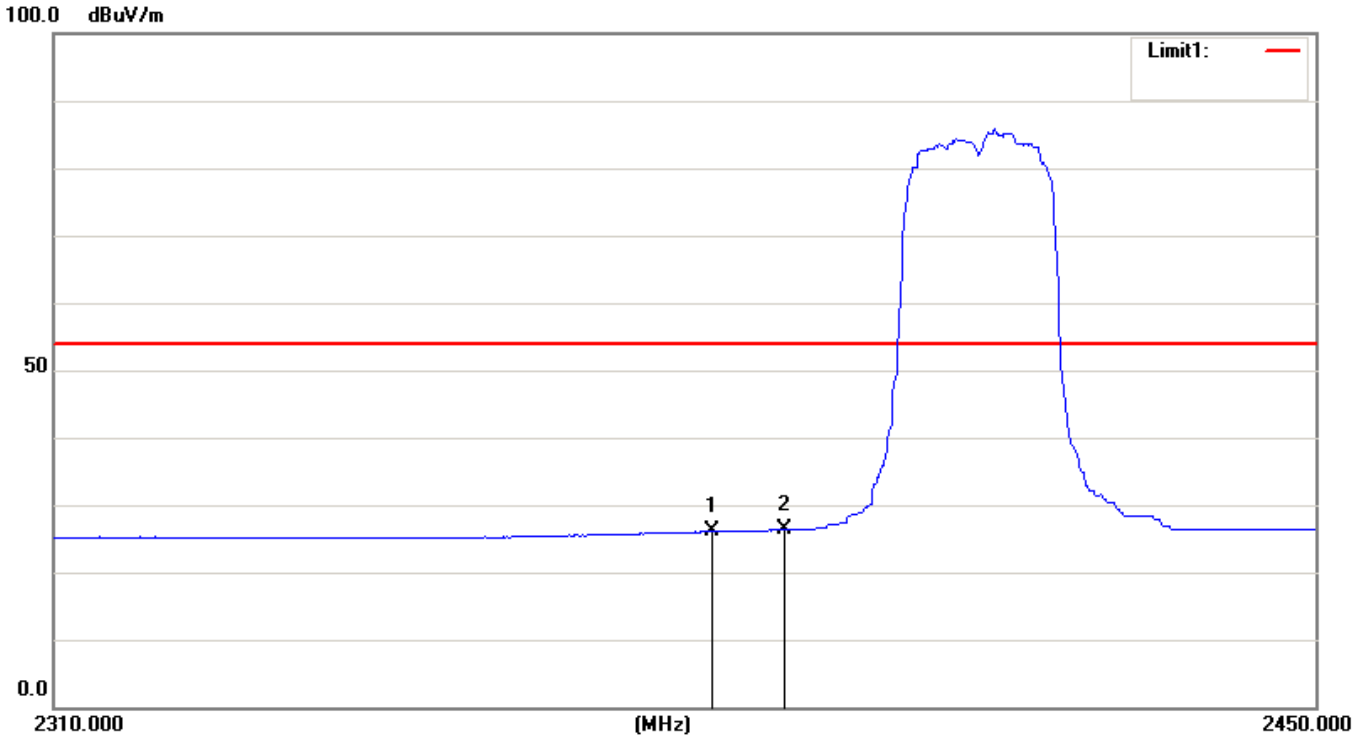
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2386.580	9.69	16.52	26.21	54.00	-27.79	AVG
2	2390.000	9.69	16.62	26.31	54.00	-27.69	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:49:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11g 2412**		



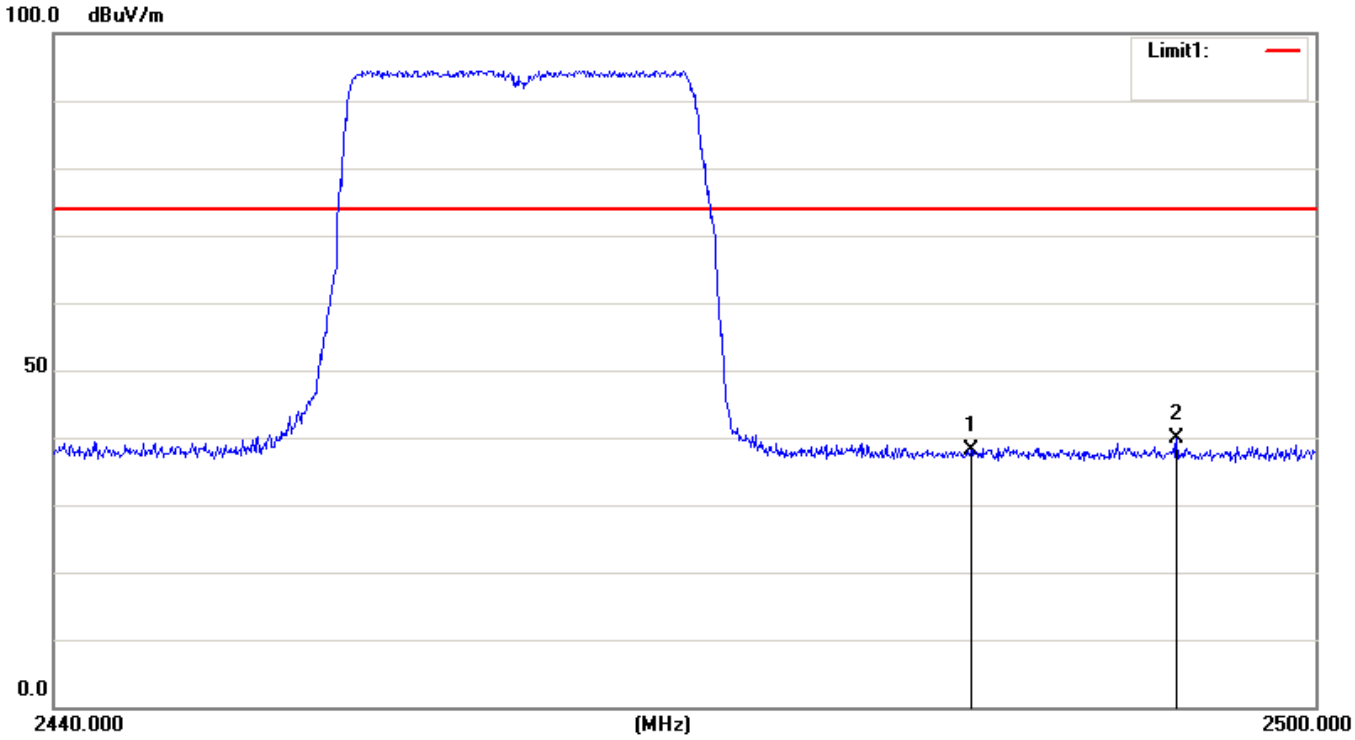
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2370.760	22.44	16.11	38.55	74.00	-35.45	peak
2	2390.000	20.86	16.62	37.48	74.00	-36.52	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_ AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:52:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11g 2412**		



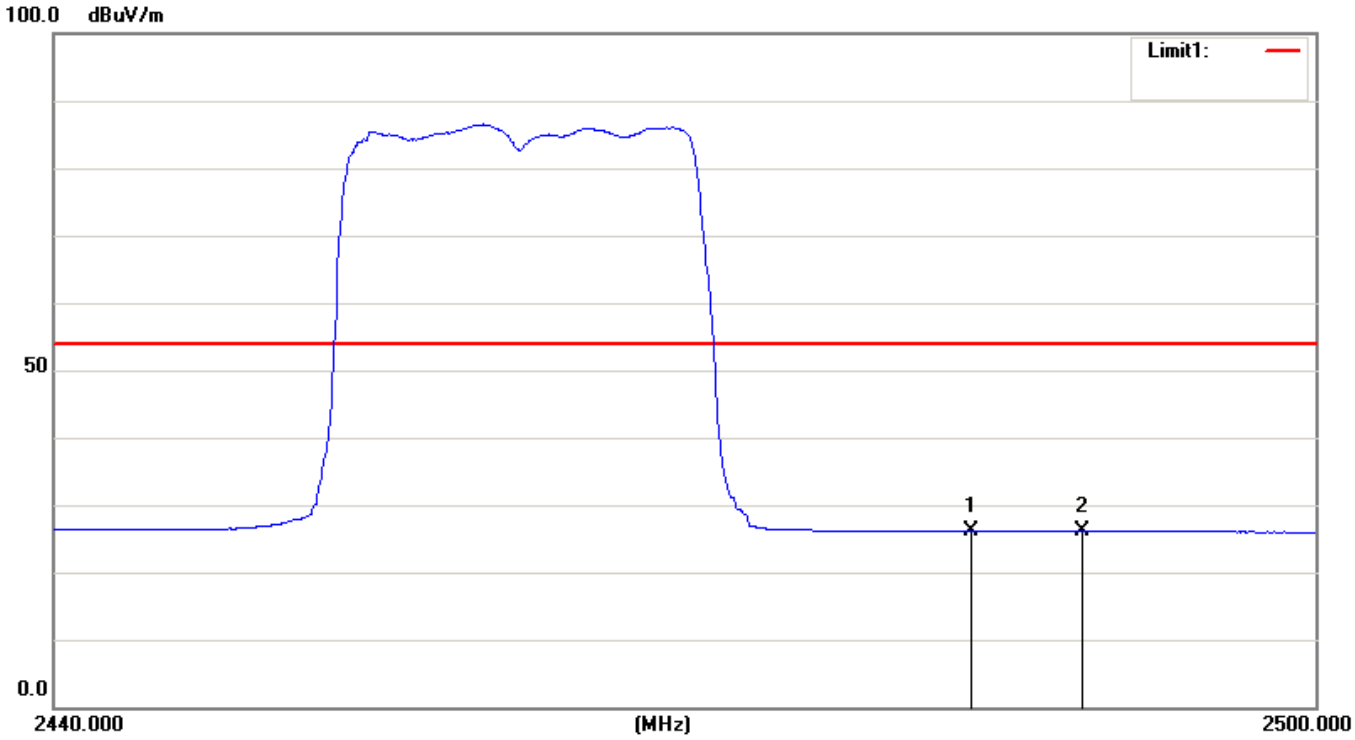
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2382.100	9.65	16.41	26.06	54.00	-27.94	AVG
2	2390.000	9.68	16.62	26.30	54.00	-27.70	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:56:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11g 2462**		



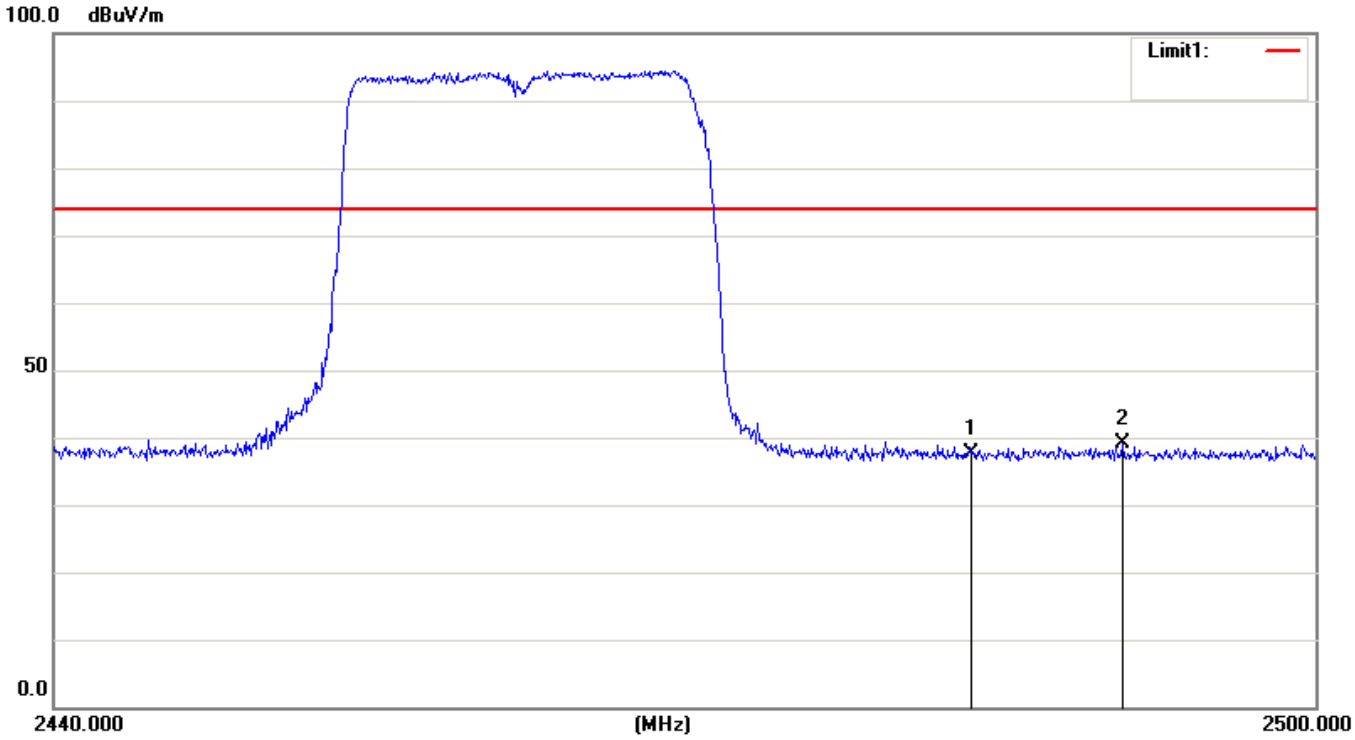
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	21.59	16.47	38.06	74.00	-35.94	peak
2	2493.340	23.44	16.41	39.85	74.00	-34.15	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_ AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**19:59:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11g 2462**		



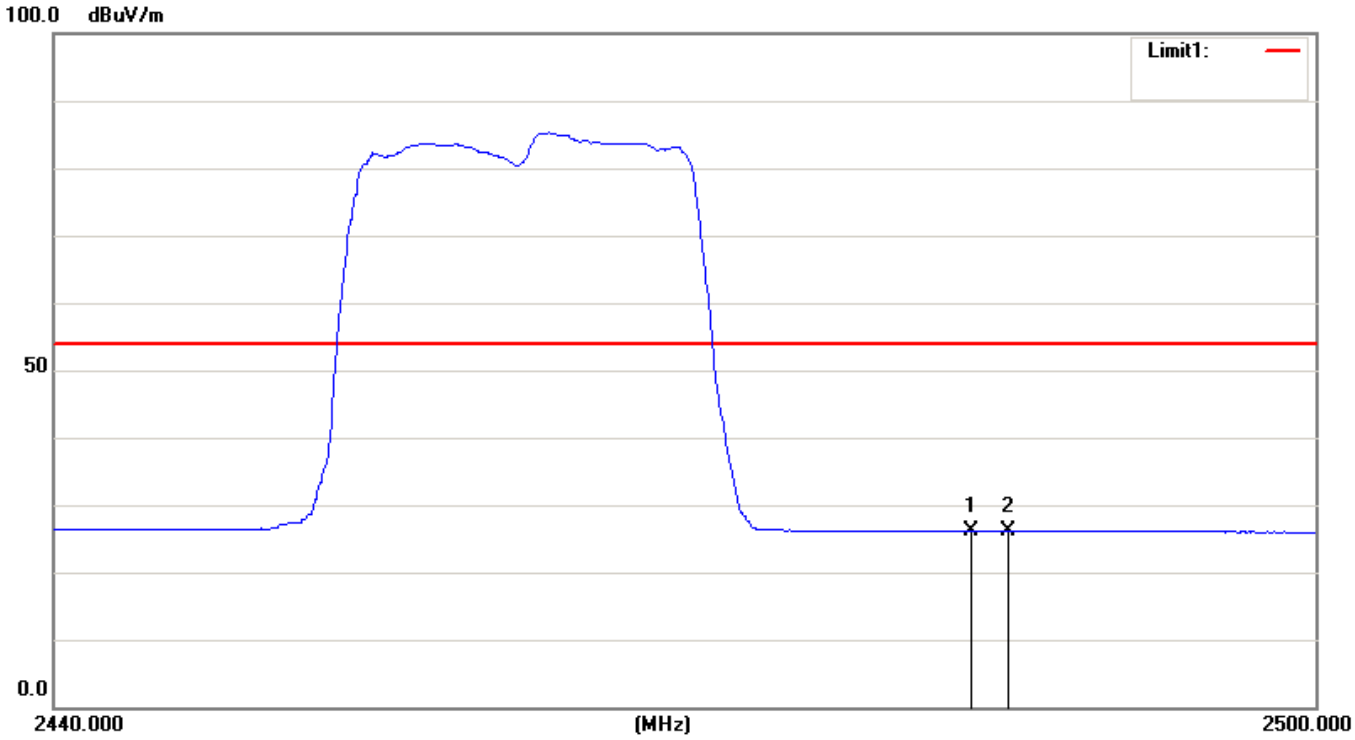
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	9.63	16.47	26.10	54.00	-27.90	AVG
2	2488.840	9.66	16.43	26.09	54.00	-27.91	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:04:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11g 2462**		



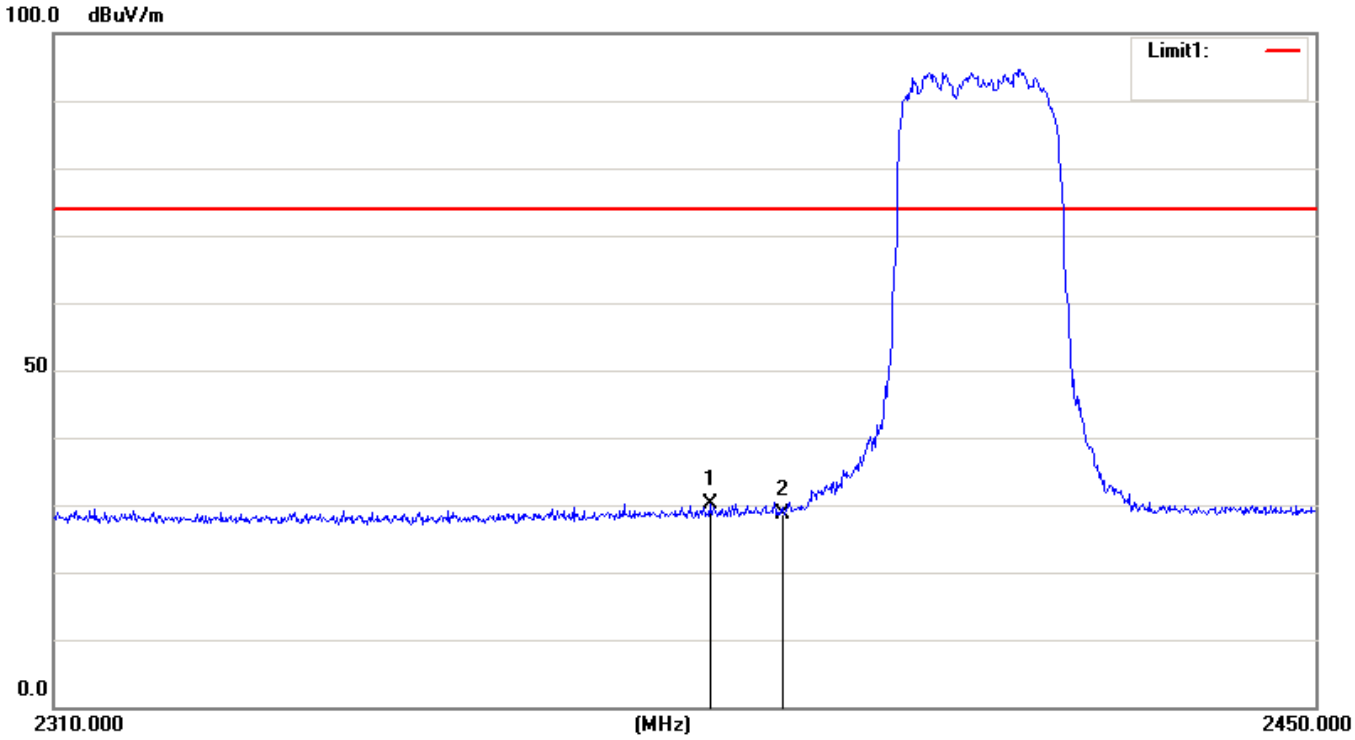
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	21.17	16.47	37.64	74.00	-36.36	peak
2	2490.760	22.70	16.42	39.12	74.00	-34.88	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_ AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:09:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11g 2462**		



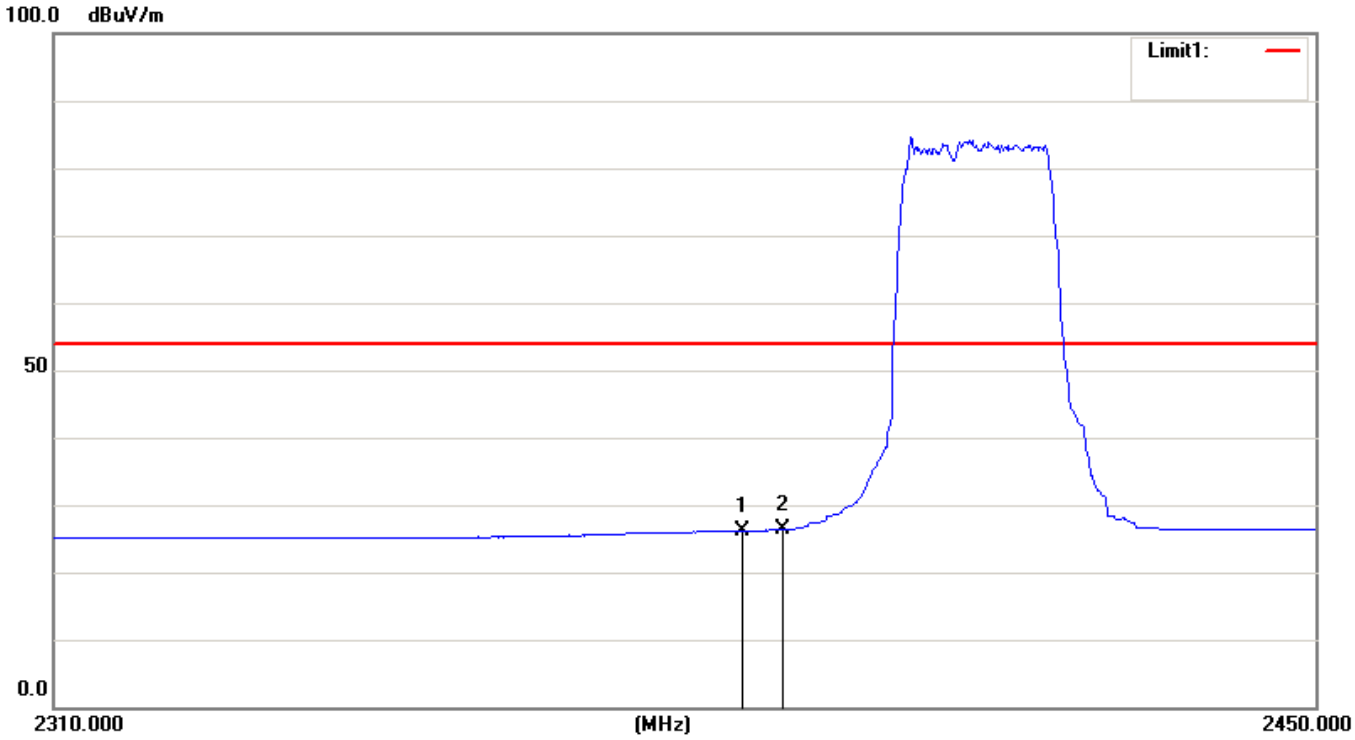
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	9.61	16.47	26.08	54.00	-27.92	AVG
2	2485.240	9.62	16.46	26.08	54.00	-27.92	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:14:27**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n20 2412**		



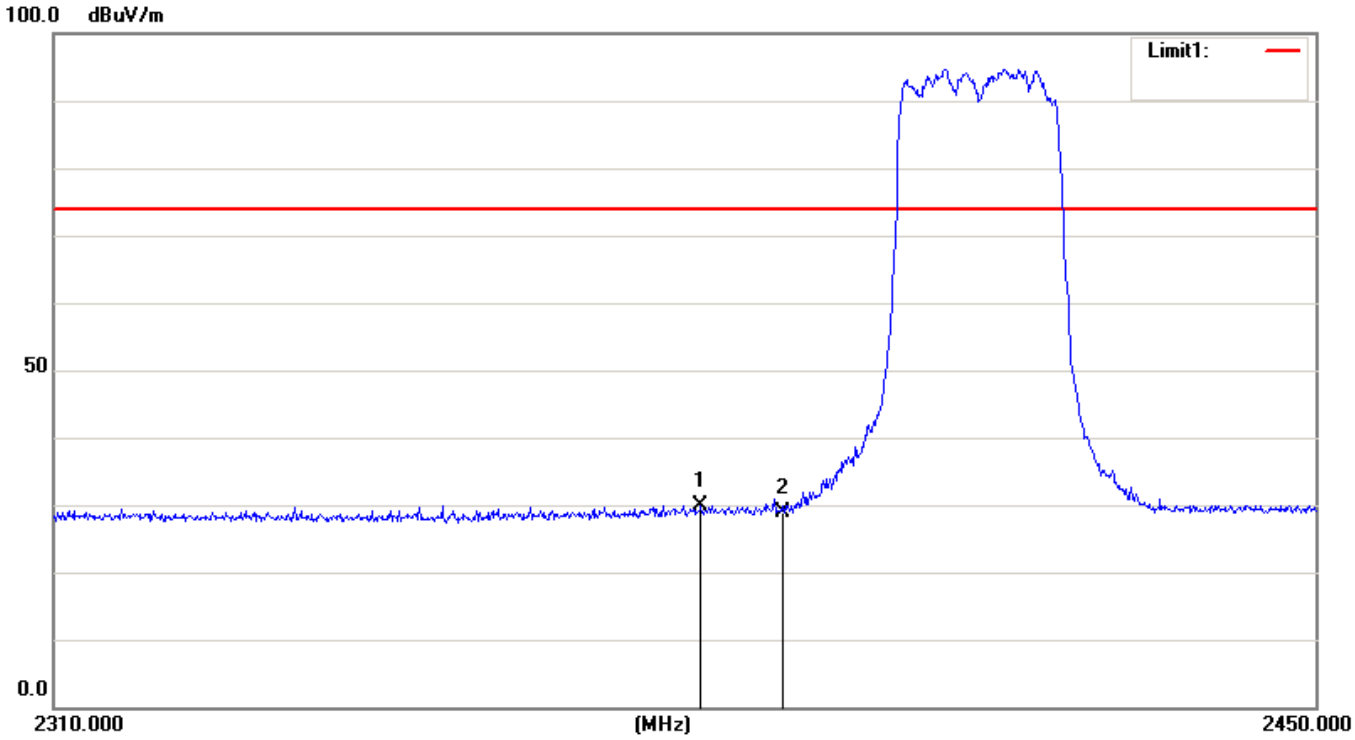
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2381.820	13.83	16.40	30.23	74.00	-43.77	peak
2	2390.000	11.99	16.62	28.61	74.00	-45.39	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:19:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n20 2412**		



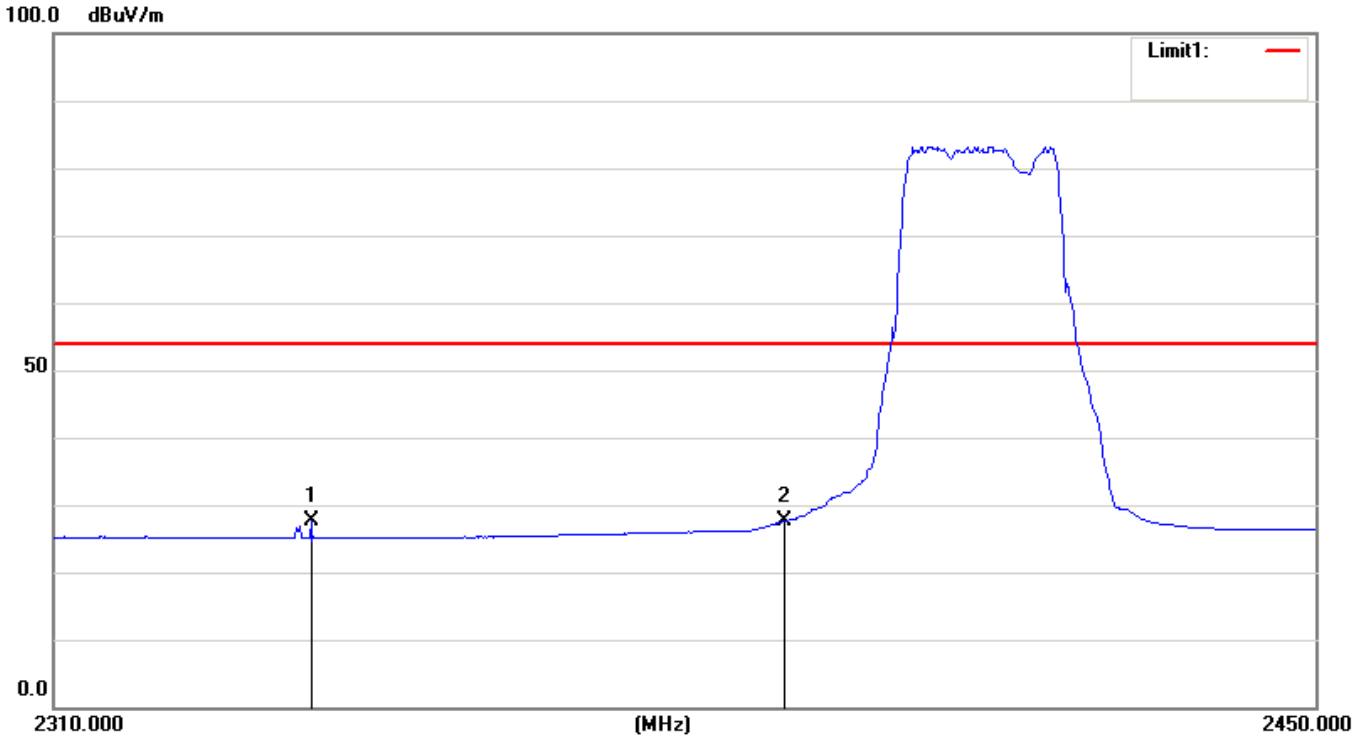
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2385.460	9.68	16.49	26.17	54.00	-27.83	AVG
2	2390.000	9.72	16.62	26.34	54.00	-27.66	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:24:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n20 2412**		



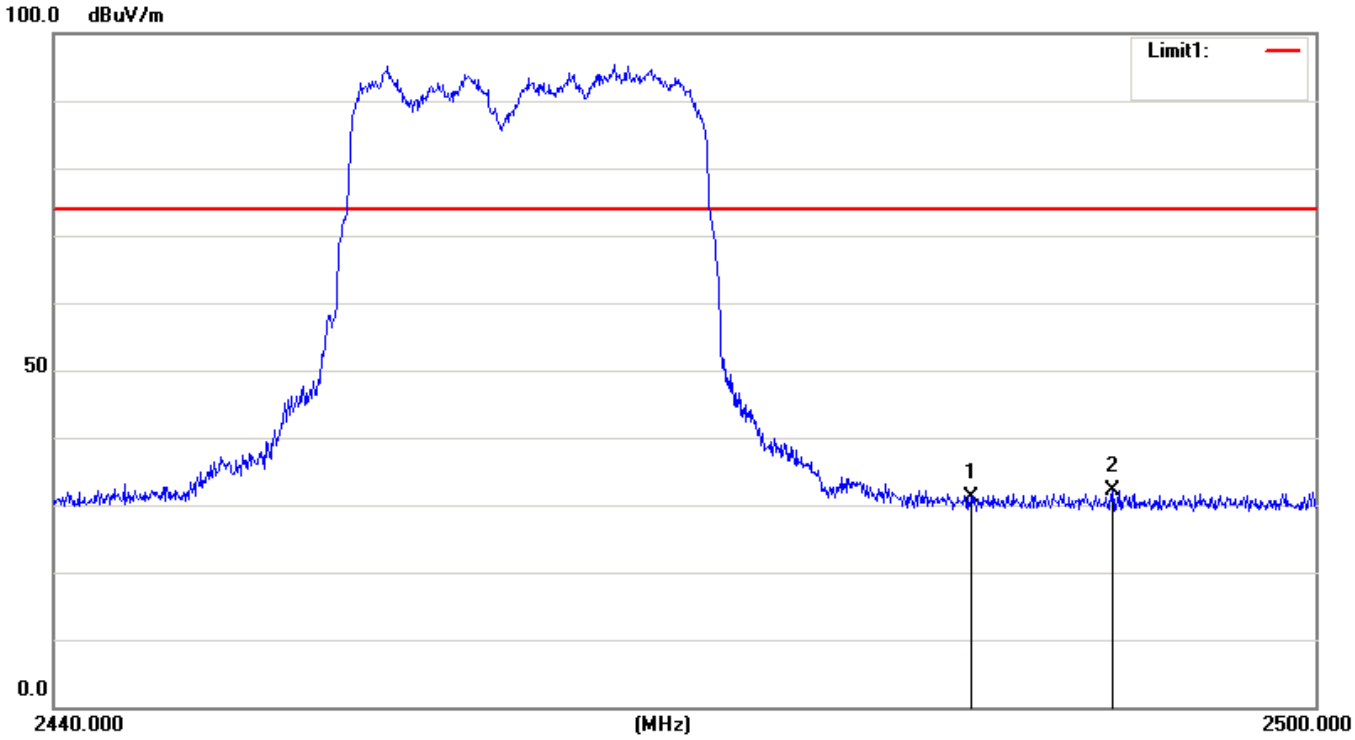
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2380.840	13.62	16.37	29.99	74.00	-44.01	peak
2	2390.000	13.25	16.62	28.87	74.00	-45.13	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_ AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:28:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n20 2412**		



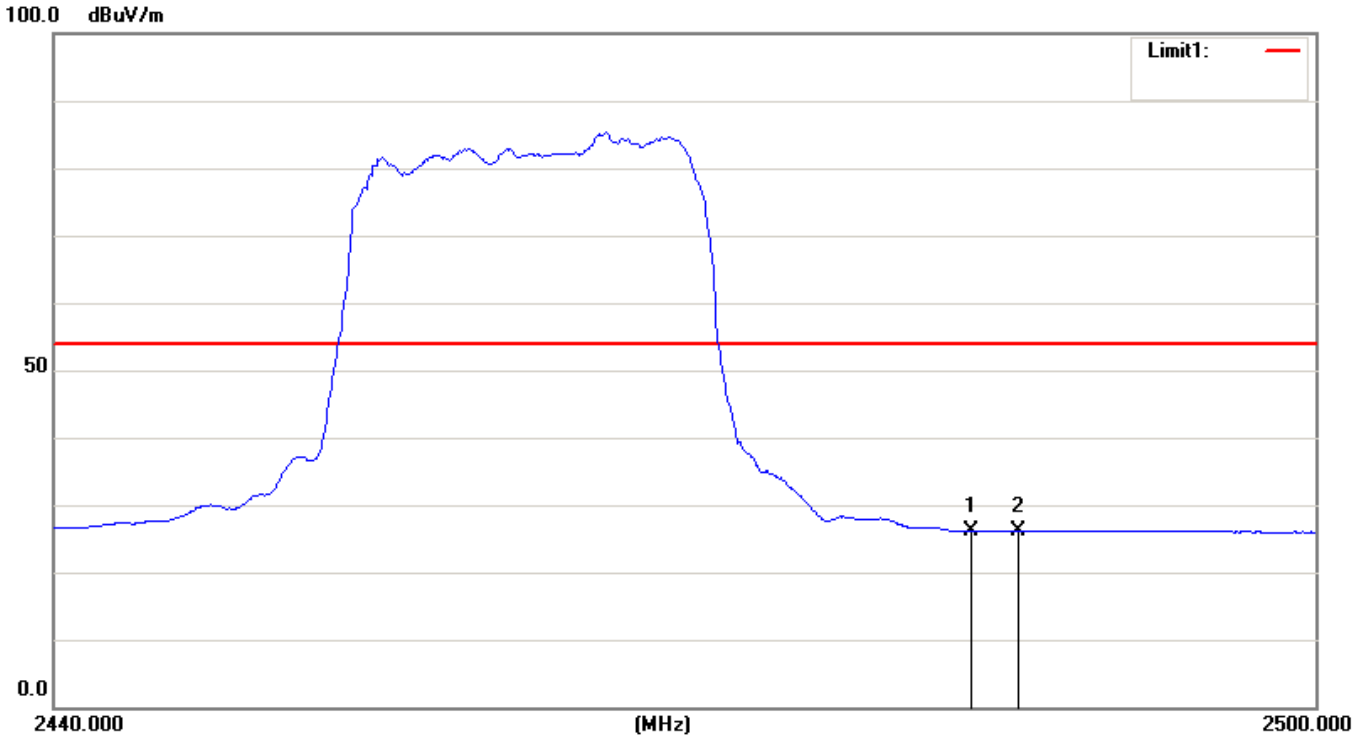
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2338.000	10.97	16.63	27.60	54.00	-26.40	AVG
2	2390.000	10.98	16.62	27.60	54.00	-26.40	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:32:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n20 2462**		



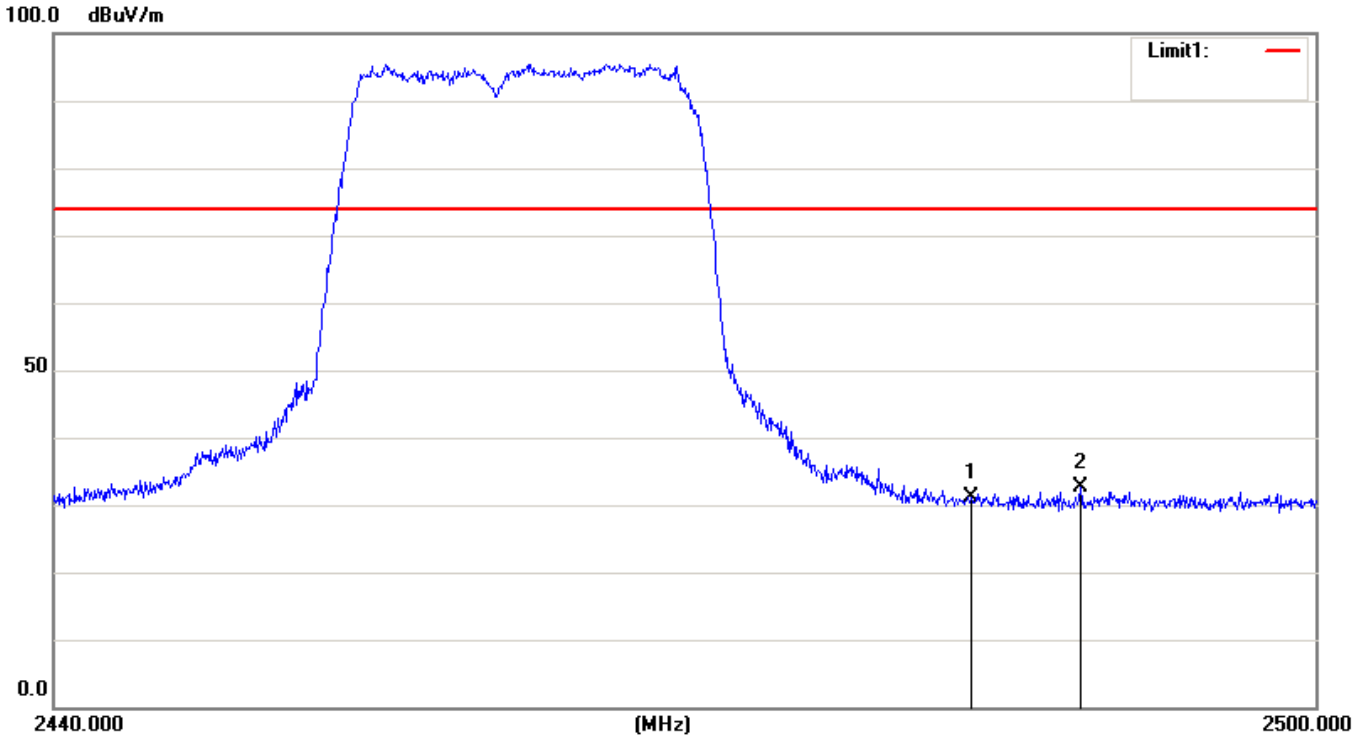
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	14.55	16.47	31.02	74.00	-42.98	peak
2	2490.280	15.59	16.43	32.02	74.00	-41.98	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_ AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:38:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n20 2462**		



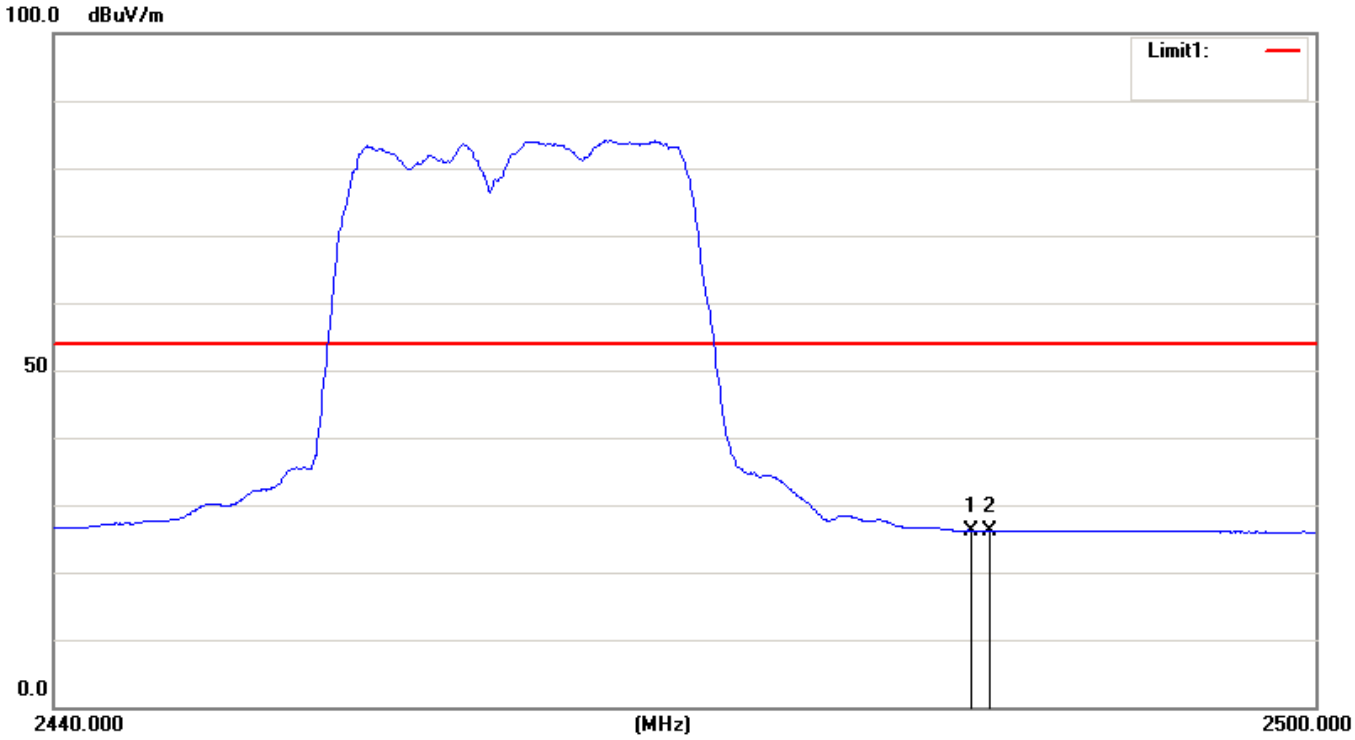
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	9.76	16.47	26.23	54.00	-27.77	AVG
2	2485.720	9.74	16.46	26.20	54.00	-27.80	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:43:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n20 2462**		



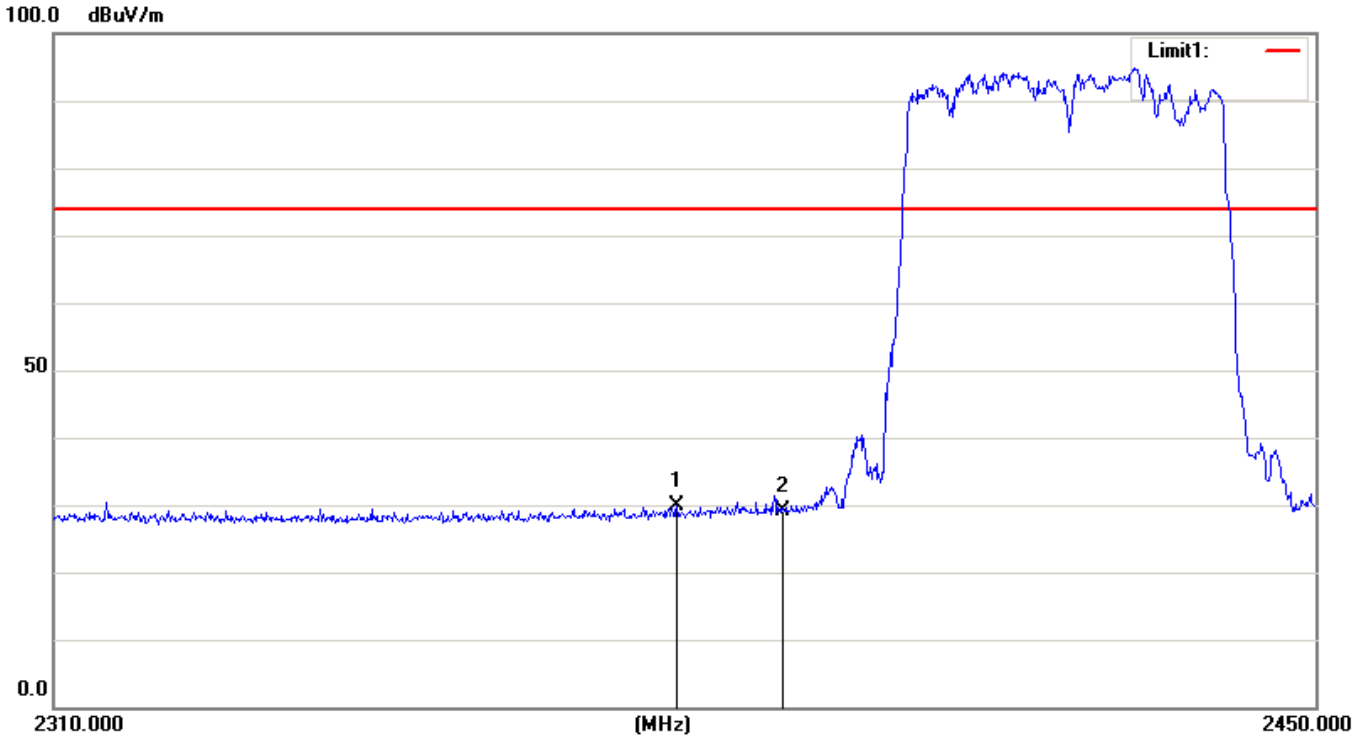
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	14.70	16.47	31.17	74.00	-42.83	peak
2	2488.780	16.22	16.43	32.65	74.00	-41.35	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_ AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:48:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n20 2462**		



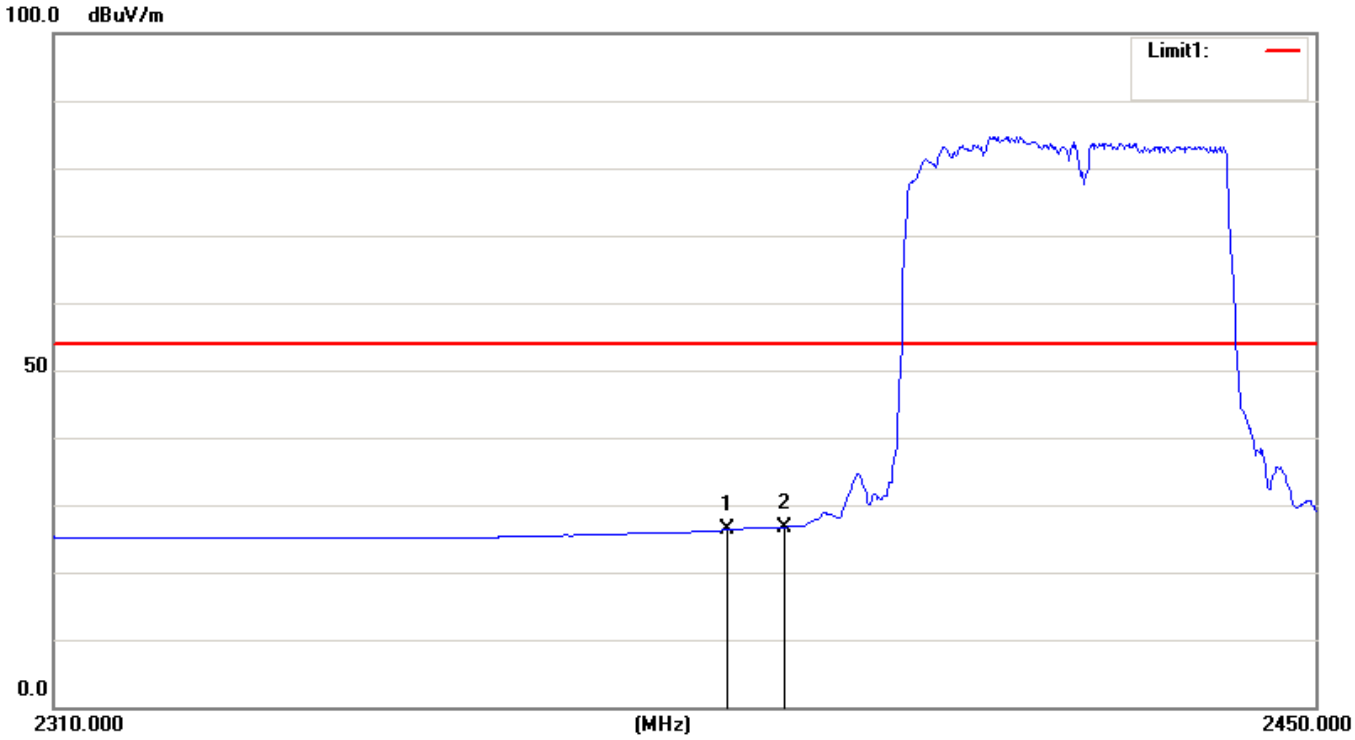
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	9.77	16.47	26.24	54.00	-27.76	AVG
2	2484.400	9.76	16.47	26.23	54.00	-27.77	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**20:57:27**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n40 2422**		



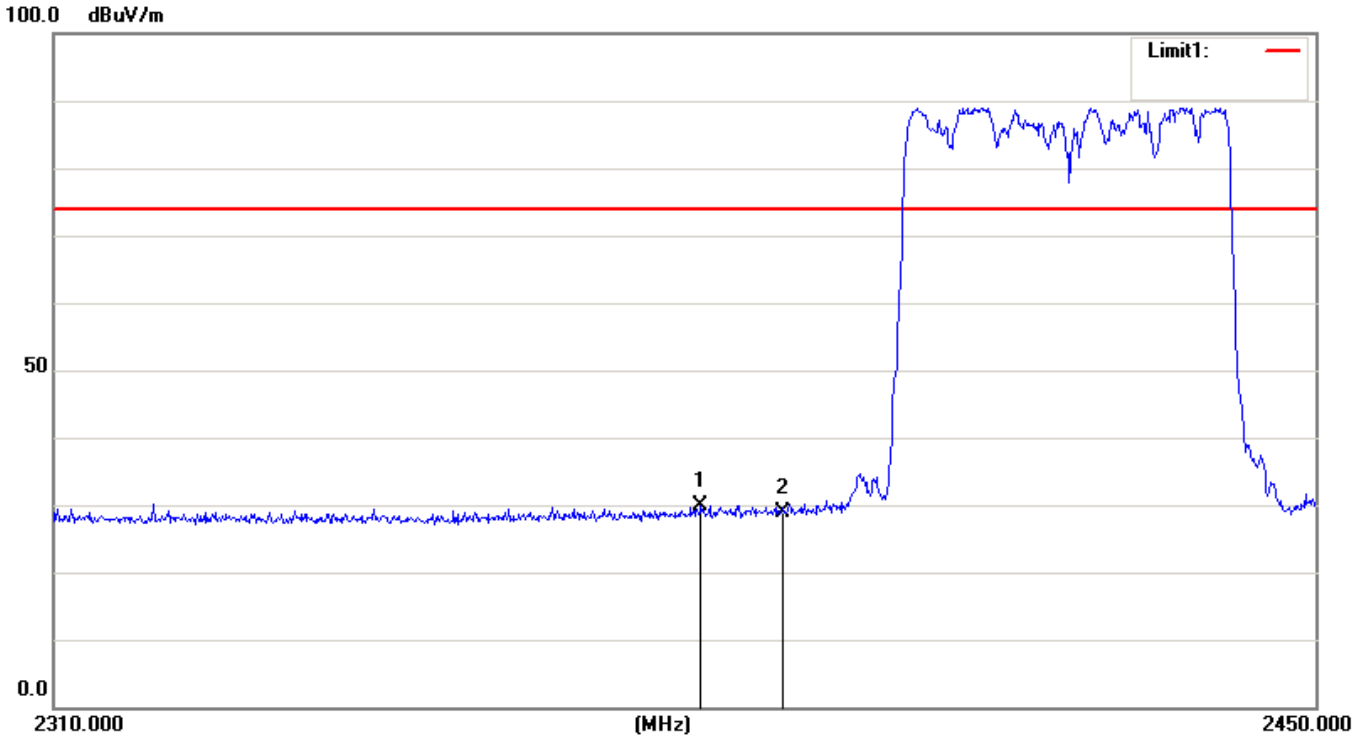
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2378.180	13.49	16.31	29.80	74.00	-44.20	peak
2	2390.000	12.59	16.62	29.21	74.00	-44.79	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**21:03:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n40 2422**		



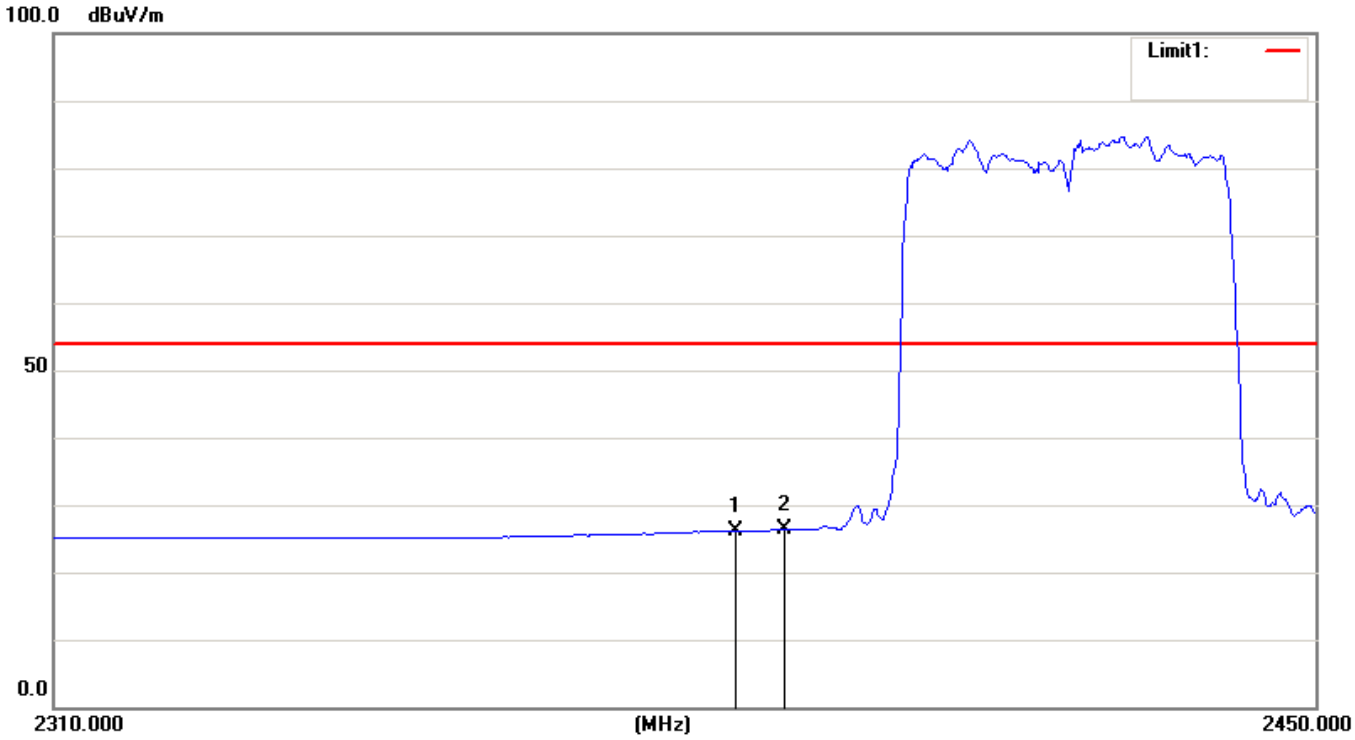
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2383.780	9.85	16.45	26.30	54.00	-27.70	AVG
2	2390.000	10.08	16.62	26.70	54.00	-27.30	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**21:11:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n40 2422**		



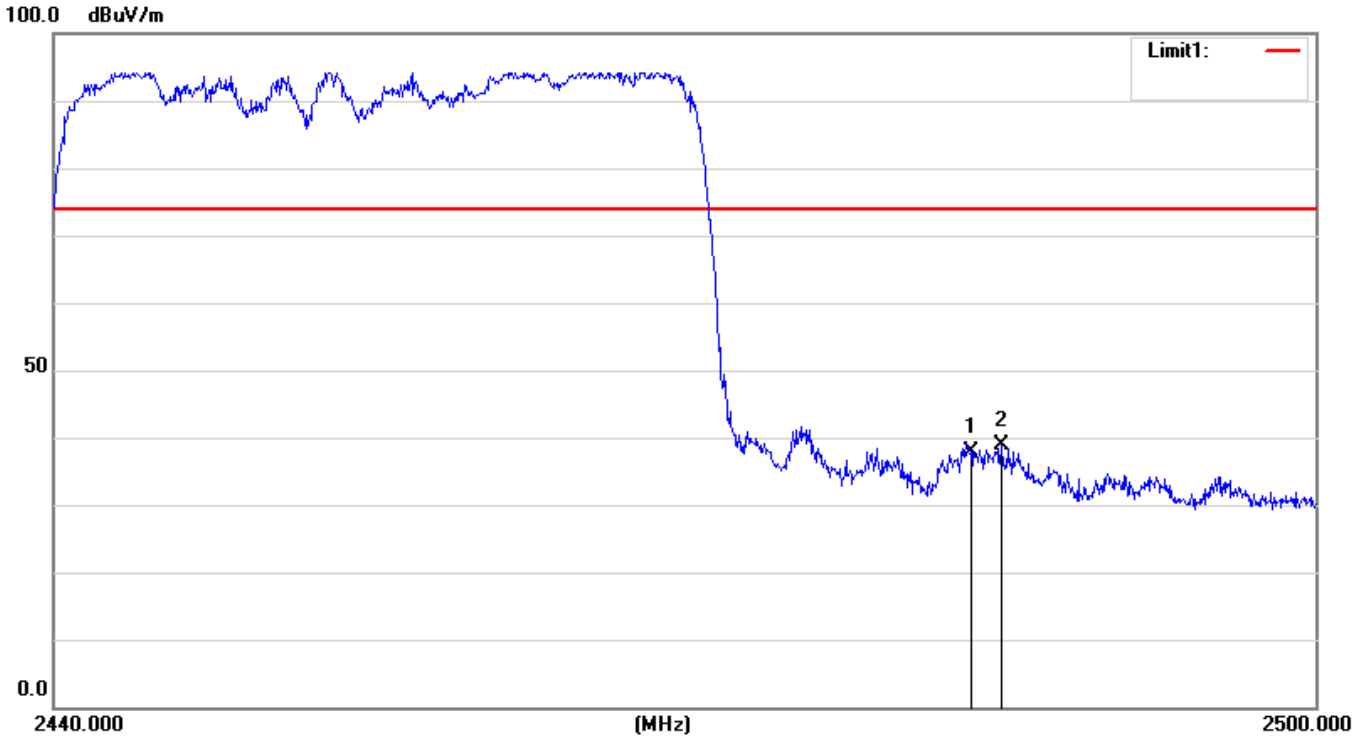
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2380.840	13.44	16.37	29.81	74.00	-35.45	peak
2	2390.000	12.36	16.62	28.98	74.00	-36.52	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**21:18:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n40 2422**		



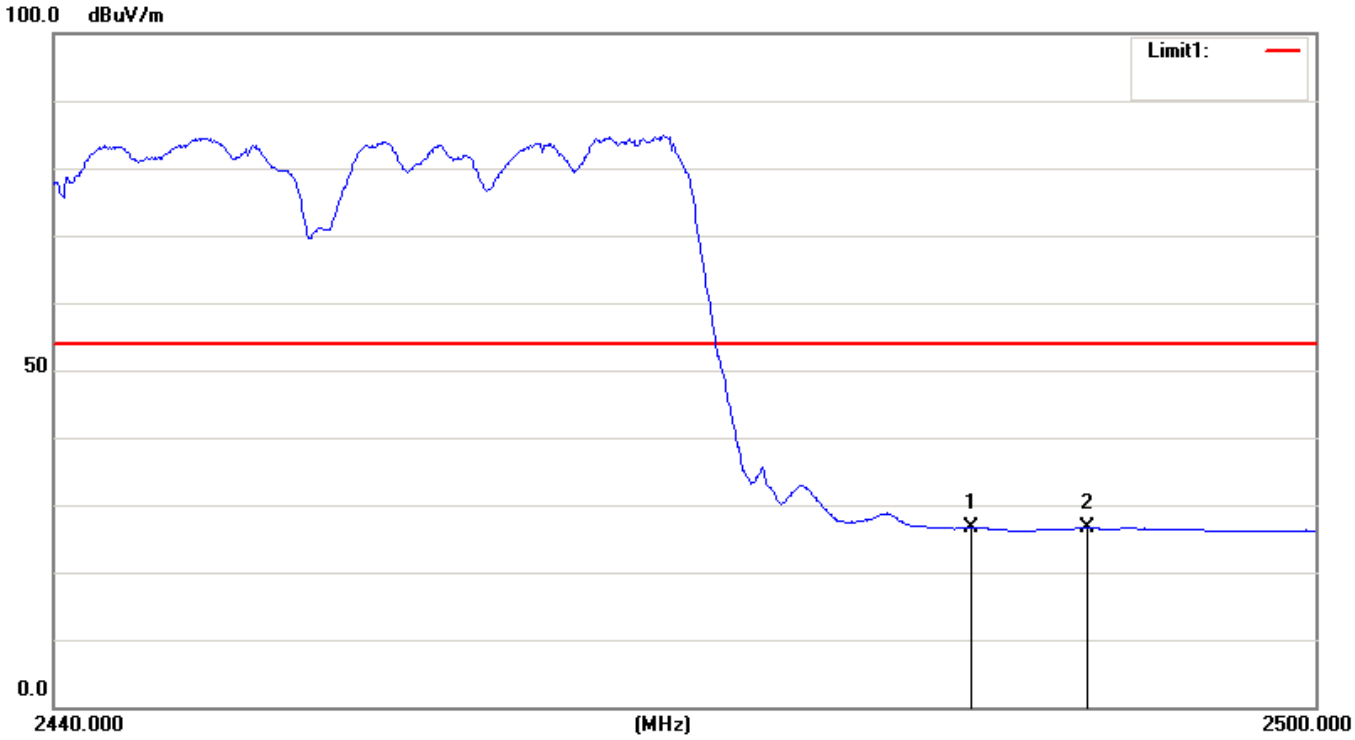
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2384.760	9.67	16.48	26.15	54.00	-27.85	AVG
2	2390.000	9.68	16.62	26.30	54.00	-27.70	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**21:26:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n40 2452**		



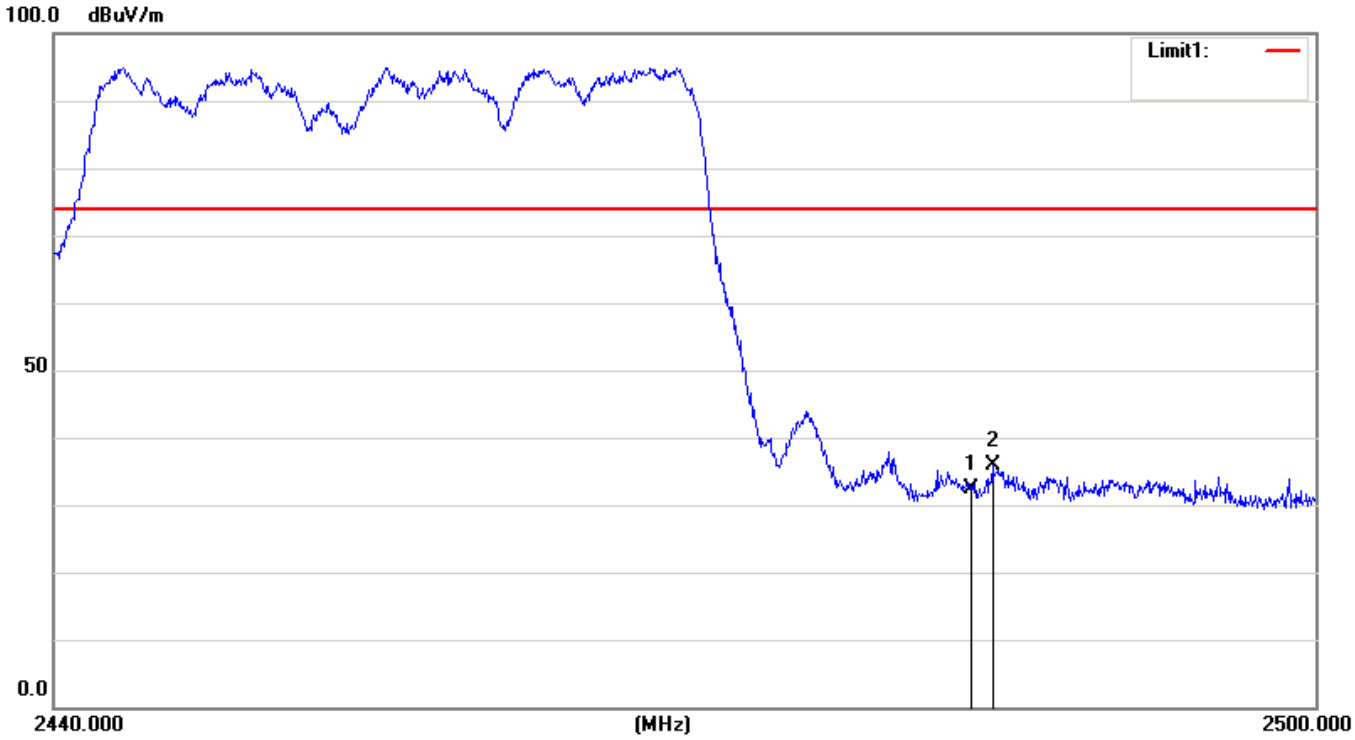
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	21.33	16.47	37.80	74.00	-36.20	peak
2	2484.940	22.35	16.46	38.81	74.00	-35.19	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Vertical**
Standard:	**(RE)FCC PART 15 class B 3m_AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**21:36:34**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n40 2452**		



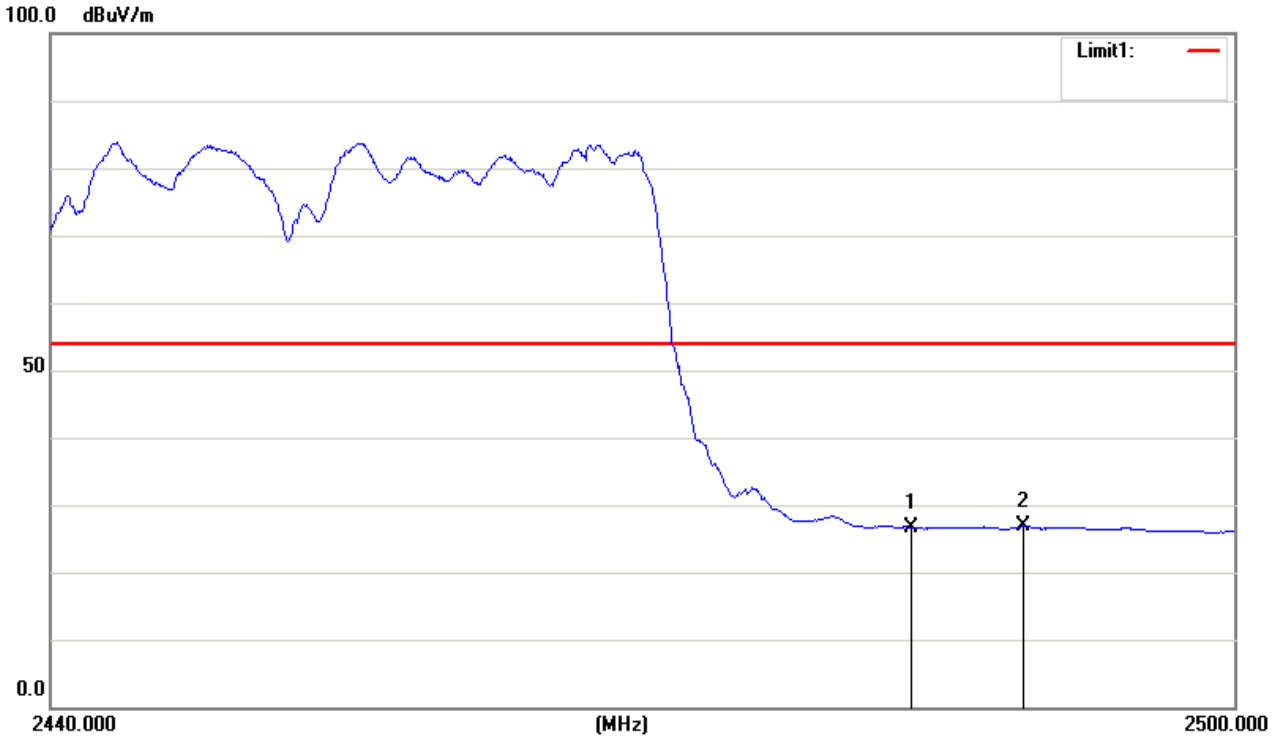
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	10.22	16.47	26.69	54.00	-27.31	AVG
2	2489.080	10.23	16.43	26.66	54.00	-27.34	AVG

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_PEAK**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**21:39:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11 n40 2452**		



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	15.87	16.47	32.34	74.00	-41.66	peak
2	2484.520	20.35	16.47	35.82	74.00	-38.18	peak

Project No.:	**ZJ00016980**	**Polarziation:**	**Horizontal**
Standard:	**(RE)FCC PART 15 class B 3m_AVG**	**Power Source:**	**AC 120V/60Hz**
Test item:	**Radiation Test**	**Date:**	**2012-8-31**
Temp./Hum.(%RH):	**22/46%RH**	**Time:**	**21:43:36**
EUT:	**BLU-RAY DISC SYSTEM**	**Distance:**	**3m**
Model:	**BDS 577**	**Test Result:**	**Pass**
Note:	**802.11n40 2452**		



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	10.22	16.47	26.69	54.00	-27.31	AVG
2	2489.260	10.37	16.43	26.80	54.00	-27.20	AVG

Note: factor =Cable loss+ Space loss-Antenna factor-Amplifier

4.8 POWER SPECTRAL DENSITY

4.8.1 LIMITS

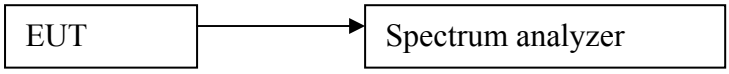
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

4.8.2 TEST PROCEDURES

Test procedures follow KDB 558074 D01 DTS Meas Guidance v01.

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT was set without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set the analyzer span to 5-30% greater than the EBW. Set the RBW = 100 kHz. Set the VBW ≥ 300 kHz. Detector = power average (RMS). Ensure that the number of measurement points in the sweep ≥ 2 x span/RBW (use of a greater number of measurement points than this minimum requirement is recommended).Manually set the sweep time to: ≥ 10 x (number of measurement points in sweep) x(transmission symbol period).Perform the measurement over a single sweep.Use the peak marker function to determine the maximum level in any 100 kHz band segment within the fundamental EBW.
4. Scale the observed power level to an equivalent level in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where: BWCF = 10log (3kHz/100 kHz) = -15.2 dB.
5. Repeat above procedures until all frequencies measured were complete.

4.8.3 TEST SETUP



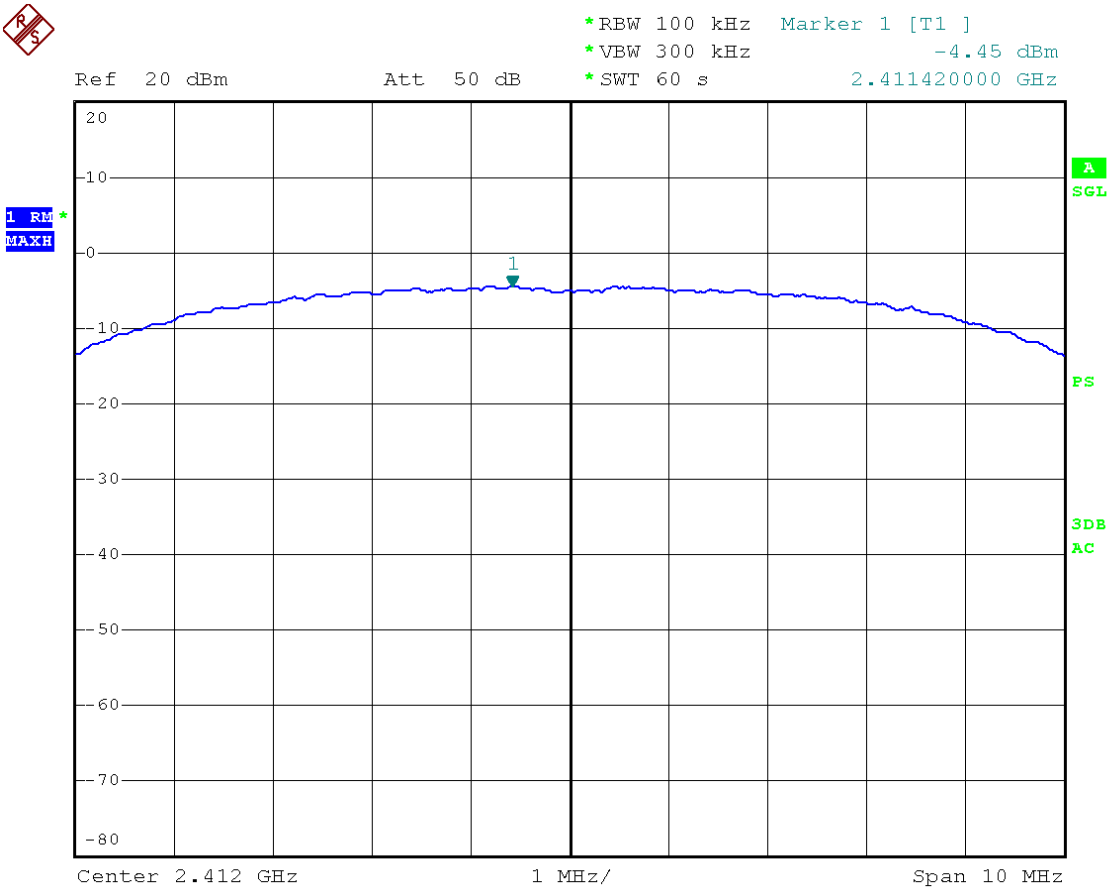
4.8.4 TEST RESULTS

802.11b mode:

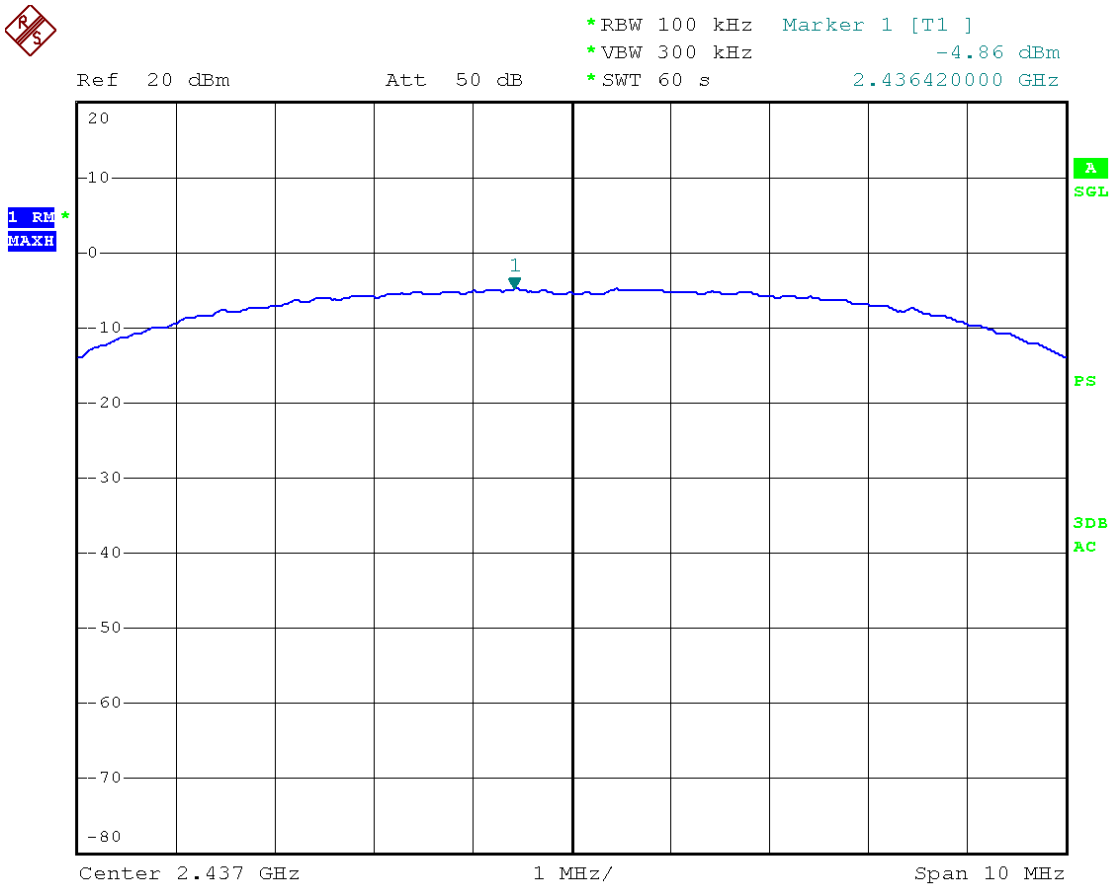
Channel No.	Frequency (MHz)	Mode	Data Rate	PSD (dBm/100 KHz)	Gain (dBi)	Factor(100kHz/3kHz)(dB)	PSD (dBm/3KHz)	Limit	Result
1	2412	802.11b	11Mbps	-4.45	3	-15.2	-16.65	8dBm/ 3KHz	Pass
6	2437			-4.86	3	-15.2	-17.06		Pass
11	2462			-5.18	3	-15.2	-17.38		Pass

802.11b mode:

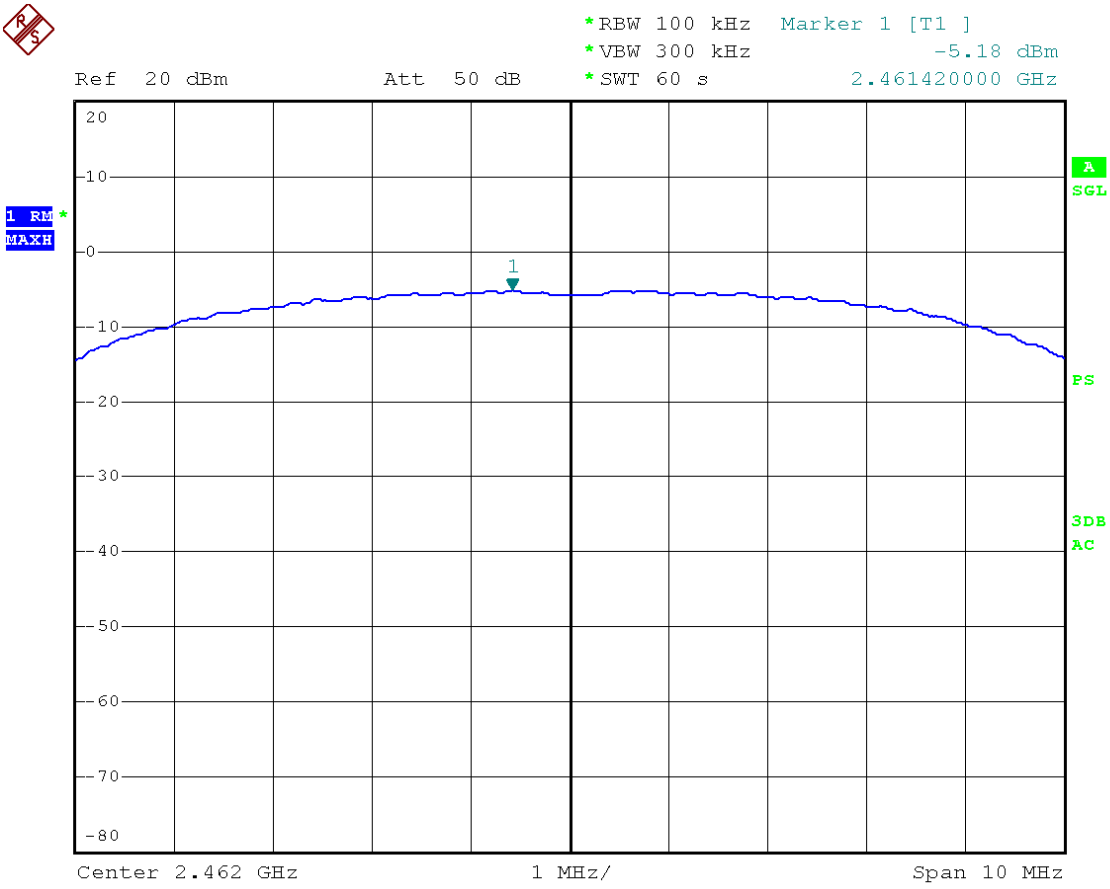
Channel 2412MHz



Channel 2437MHz



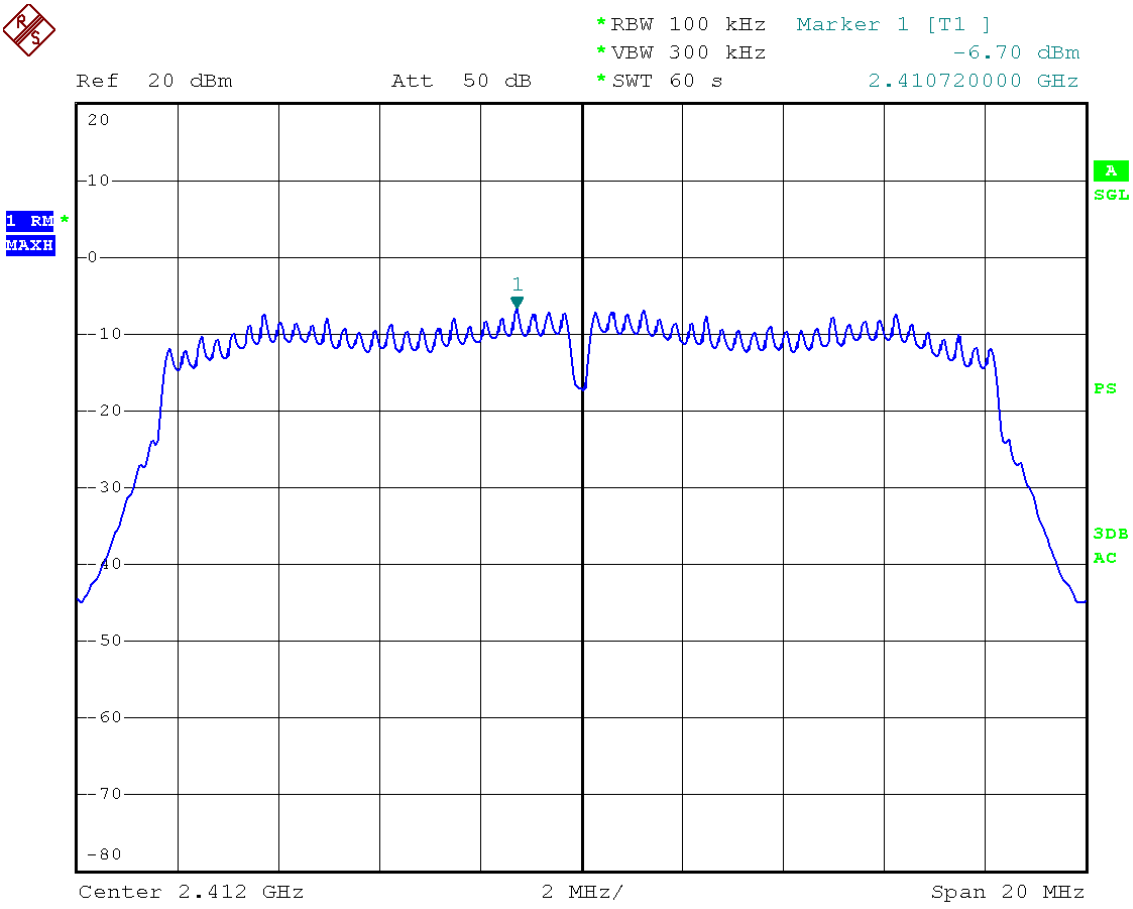
Channel 2462MHz



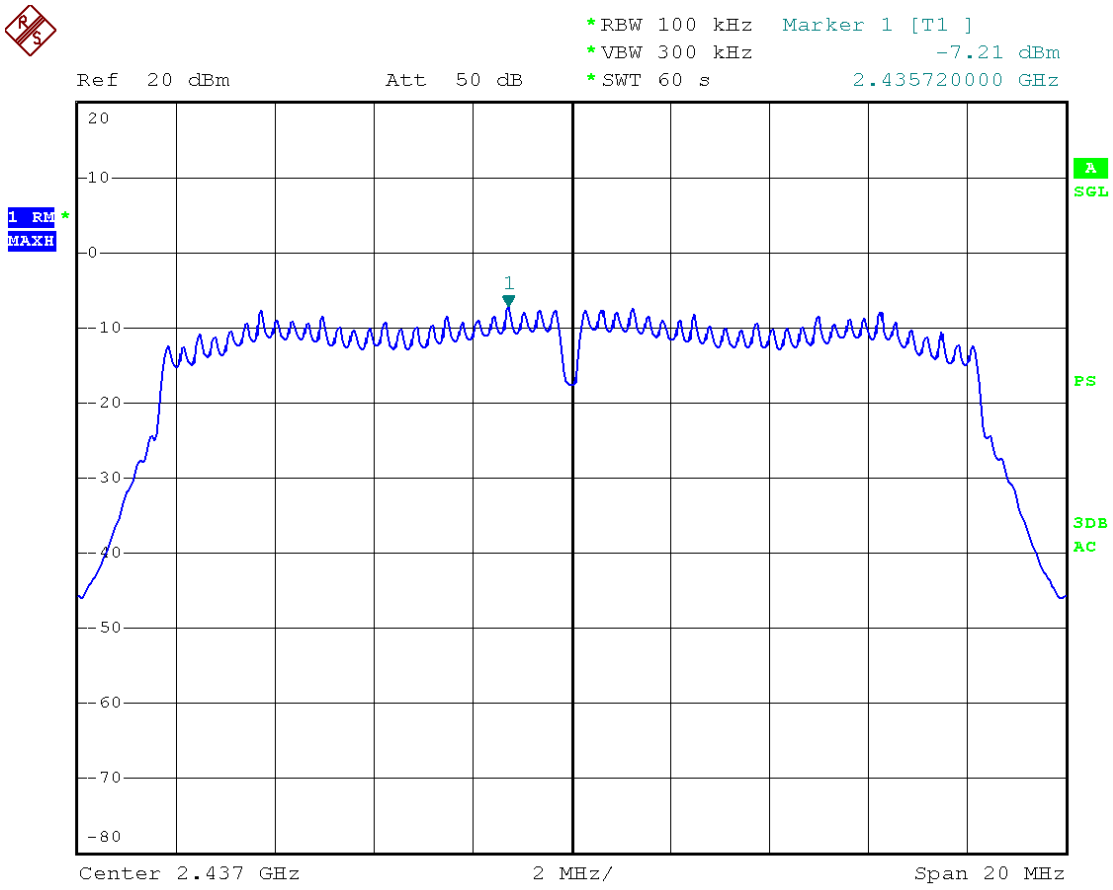
802.11g mode:

Channel No.	Frequency (MHz)	Mode	Data Rate	PSD (dBm/100 KHz)	Gain (dBi)	Factor (100kHz/ 3kHz) (dB)	PSD (dBm/3K Hz)	Limit	Result
1	2412	802.11g	54Mbps	-6.70	3	-15.2	-18.90	8dBm/ 3KHz	Pass
6	2437			-7.21	3	-15.2	-19.41		Pass
11	2462			-7.47	3	-15.2	-19.67		Pass

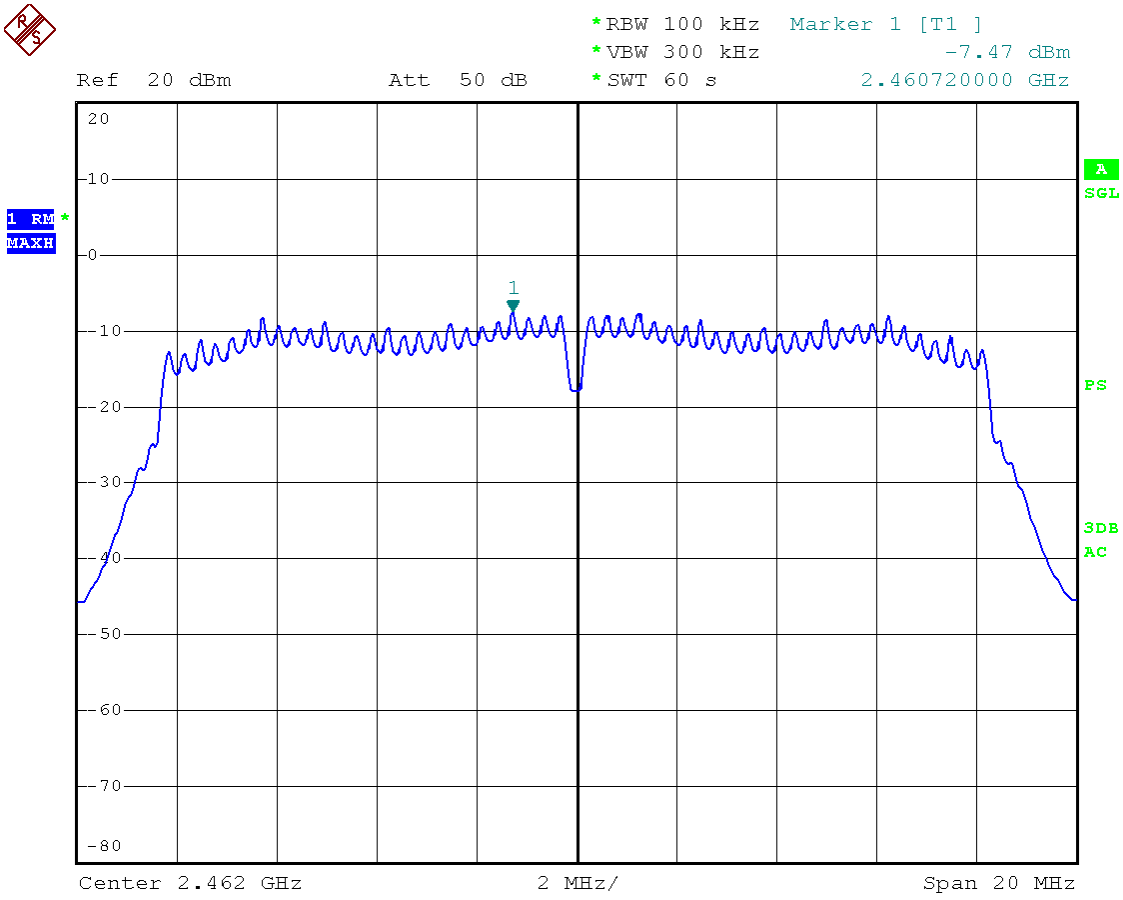
802.11g mode:
Channel 2412MHz



Channel 2437MHz



Channel 2462MHz

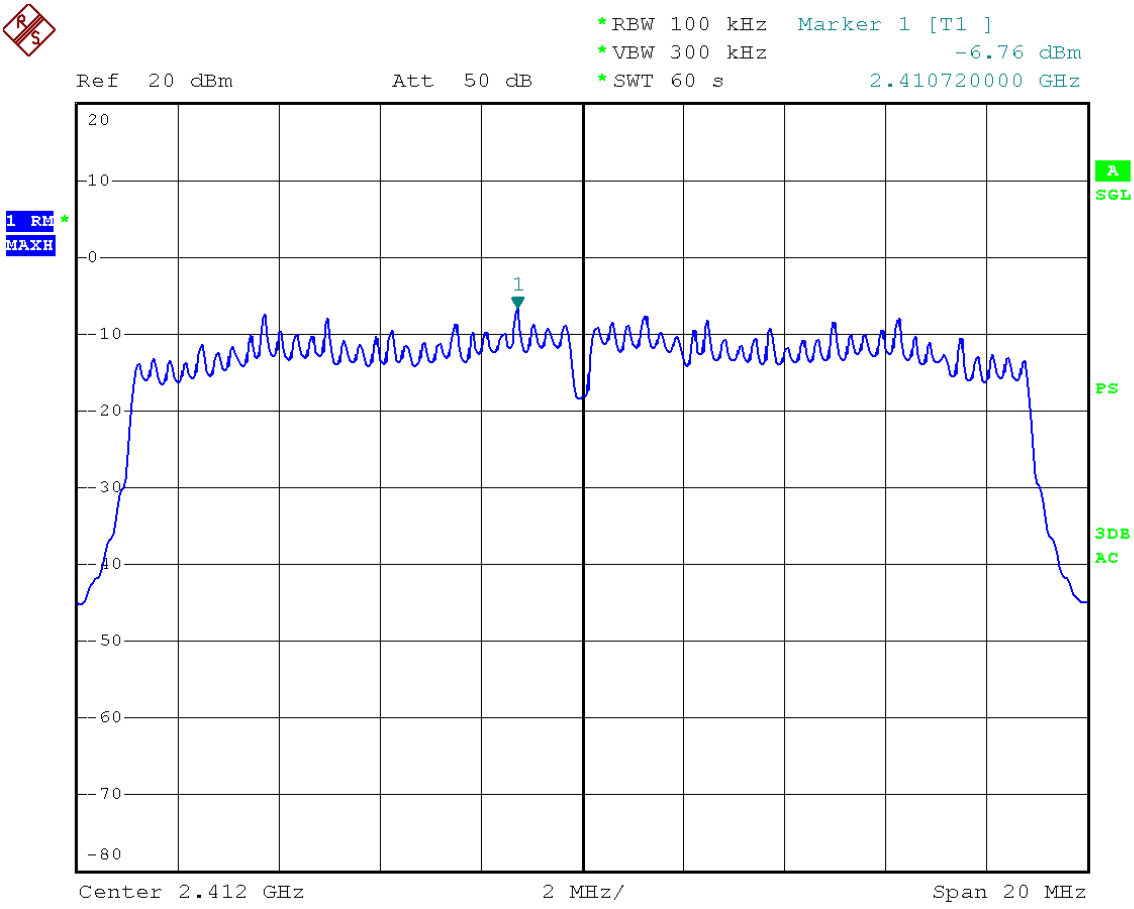


802.11n20 mode:

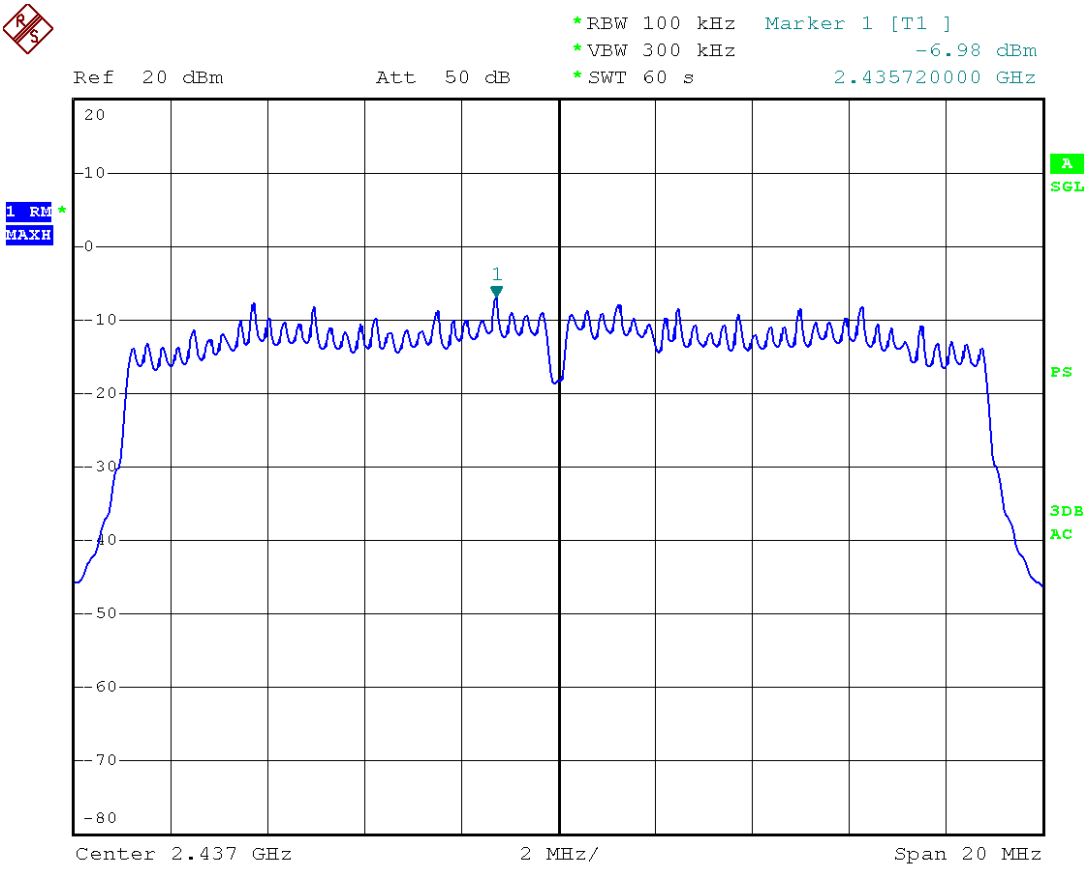
Channel No.	Frequency (MHz)	Mode	Data Rate	PSD (dBm/100 KHz)	Gain (dBi)	Factor (100kHz/ 3kHz) (dB)	PSD (dBm/3K Hz)	Limit	Result
1	2412	802.11n 20	MCS7	-6.76	3	-15.2	-18.96	8dBm/ 3KHz	Pass
6	2437			-6.98	3	-15.2	-19.18		Pass
11	2462			-7.37	3	-15.2	-19.57		Pass

802.11n20 mode:

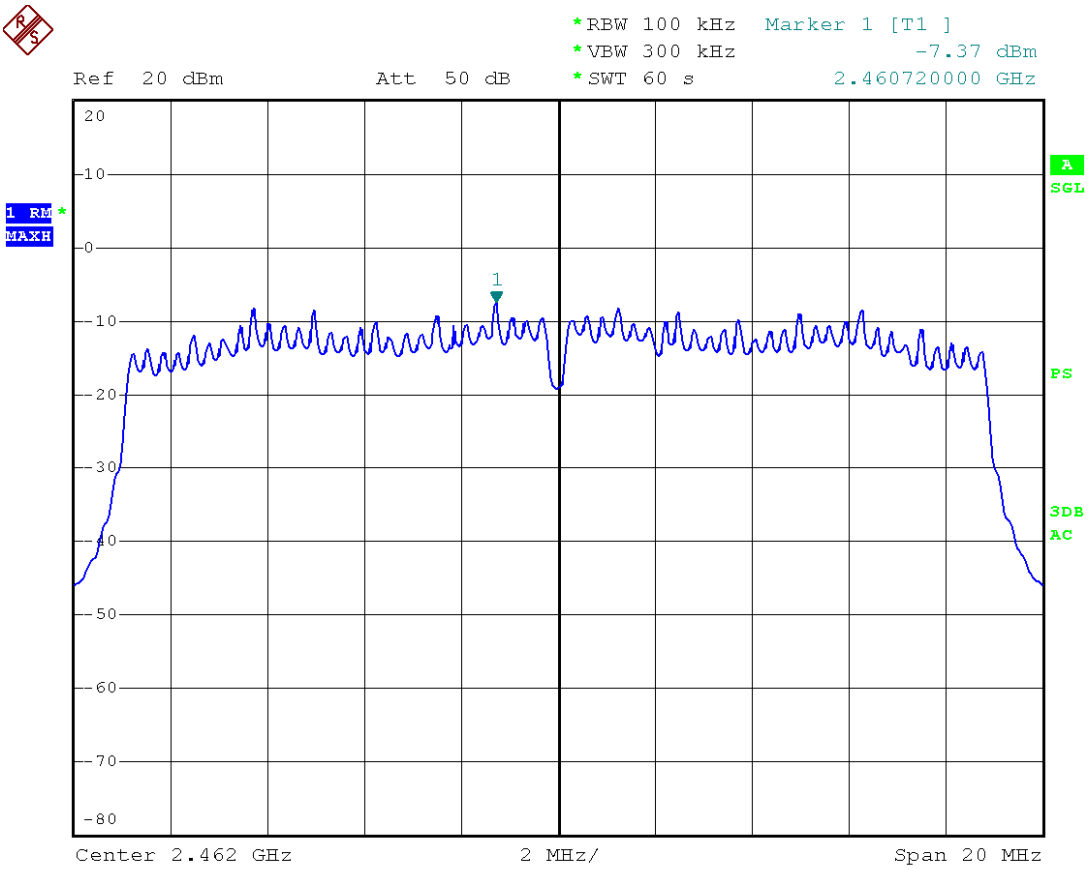
Channel 2412MHz



Channel 2437MHz



Channel 2462MHz

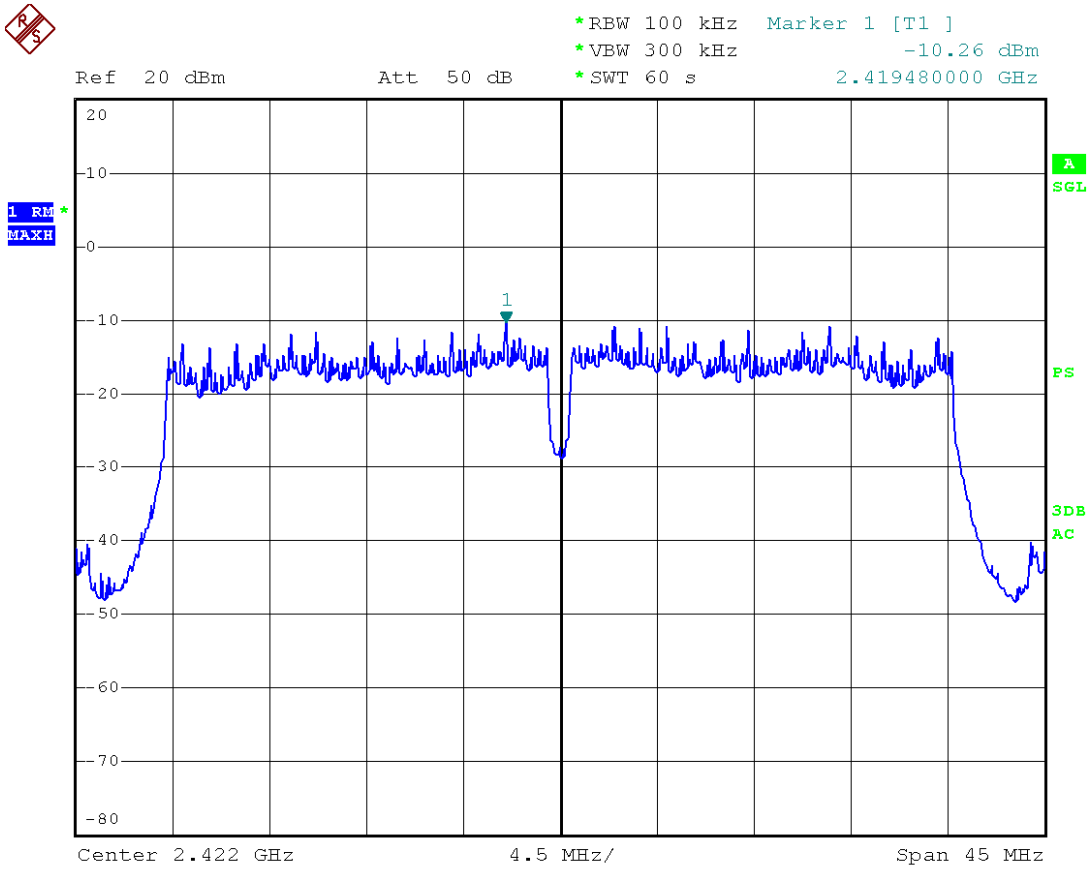


802.11n40 mode:

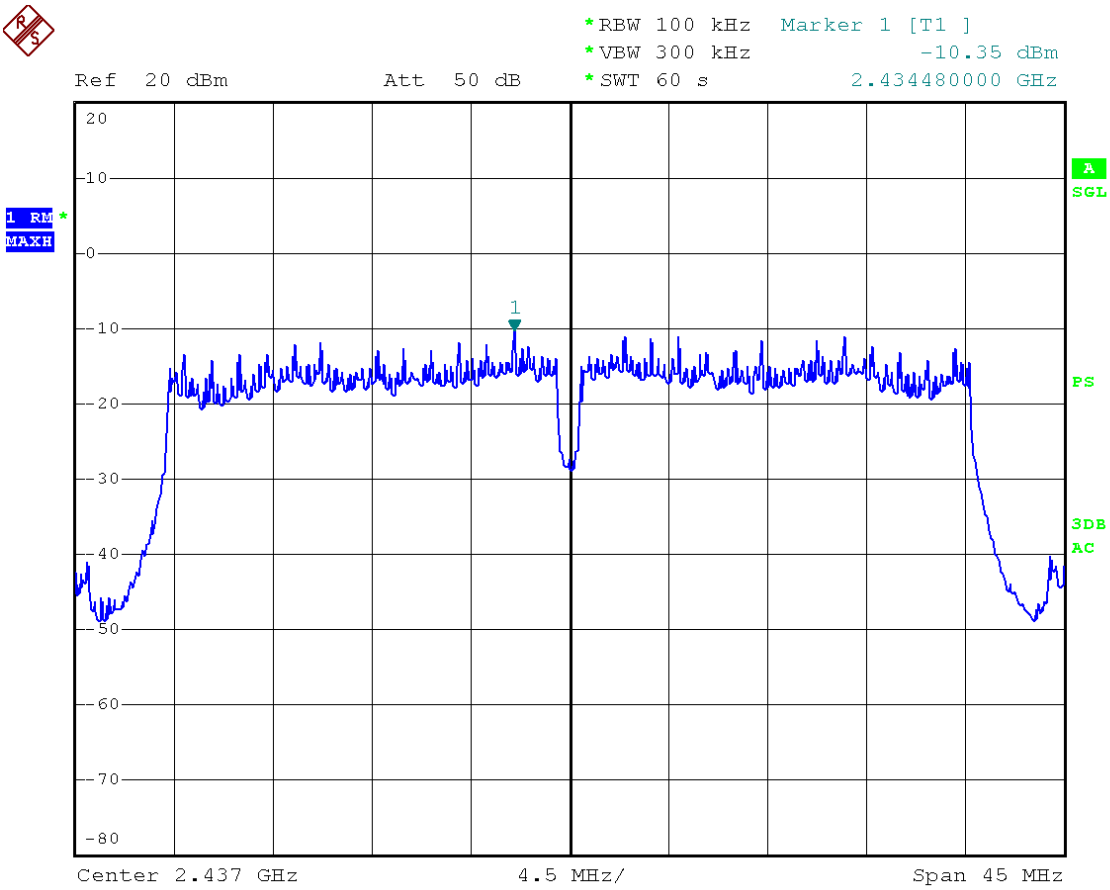
Channel No.	Frequency (MHz)	Mode	Data Rate	PSD (dBm/100 KHz)	Gain (dBi)	Factor (100kHz/ 3kHz) (dB)	PSD (dBm/3K Hz)	Limit	Result
3	2422	802.11n 40	MCS15	-10.26	3	-15.2	-22.46	8dBm/ 3KHz	Pass
6	2437			-10.35	3	-15.2	-22.55		Pass
9	2452			-10.77	3	-15.2	-22.97		Pass

802.11n40 mode:

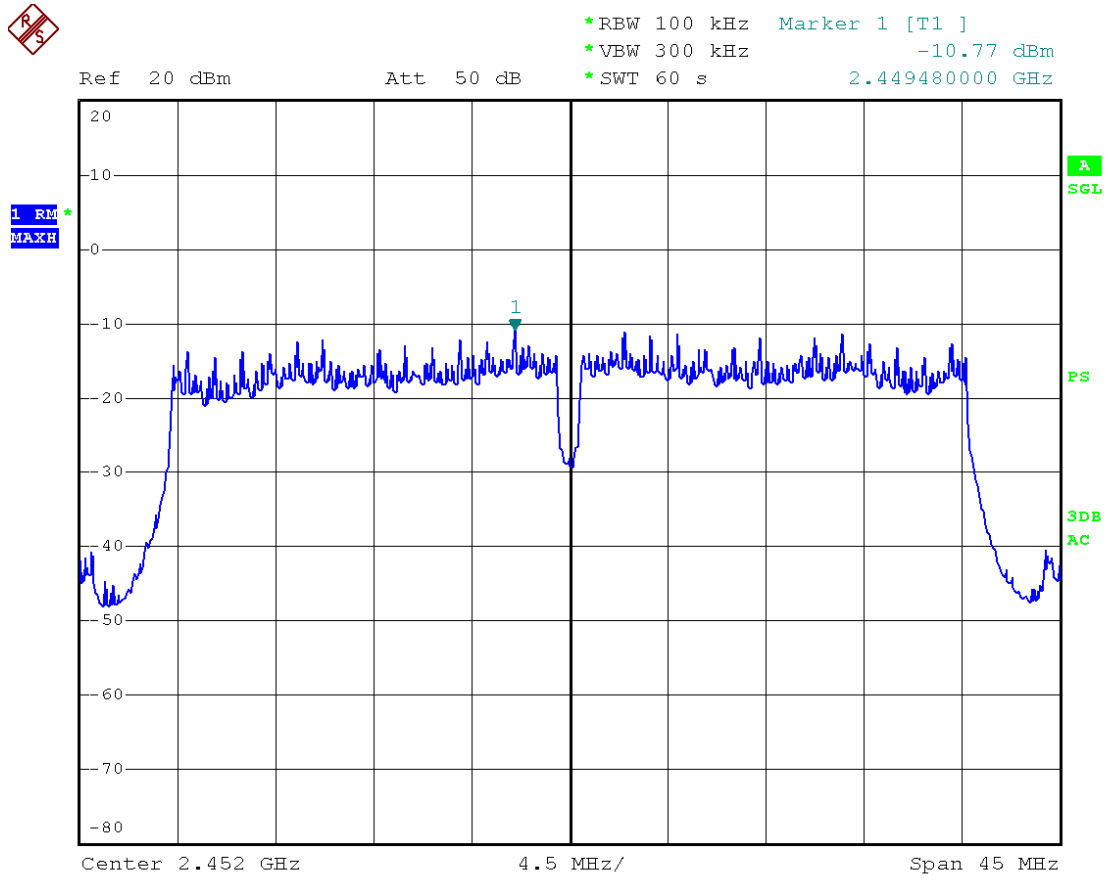
Channel 2422MHz



Channel 2437MHz



Channel 2452MHz



----------This is the last page of the report. ----------