SGS-CSTC Standards Technical Services Ltd. Shenzhen Branch

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

Telephone: +86 (0) 755 2601 2053
Fax: +86 (0) 755 2671 0594
Email: ee.shenzhen@sgs.com

FCC REPORT

Application No.:	SZEM1612010384CR (SHME1611000144ME-01)
Applicant:	GE Medical Systems Information Technologies, Inc.
Manufacturer:	GE Medical Systems Information Technologies, Inc.
Factory:	GE Medical Systems (China) Co., Ltd.
Product Name:	B1X5 Wi-Fi Module
Model No.(EUT):	B1X5-01
FCC ID:	OU5B1X501
Standards:	47 CFR Part 15, Subpart E (2015)
Date of Receipt:	2016-12-05
Date of Test:	2016-12-09 to 2016-12-13
Date of Issue:	2016-12-15
Test Result:	**PASS ***

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

Authorized Signature:

Jack Zhang
EMC Laboratory Manager

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

2 Version

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
00		2016-12-15		Original

Authorized for issue by:				
Tested By		Edison Li (Edison Li) /Project Engineer		2016-12-13 **Date**
Checked By		Eric Fu (Eric Fu) /Reviewer		2016-12-15 **Date**

3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Section 15.203	ANSI C63.10: 2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Section 15.407(b)	ANSI C63.10: 2013	PASS
Conducted Output Power	47 CFR Part 15 Section 15.407(a)	ANSI C63.10: 2013	PASS
Equivalent Isotropic Radiated Power (e.i.r.p.)	47 CFR Part 15 Section 15.407(a)	ANSI C63.10: 2013	PASS
6dB Occupied Bandwidth	47 CFR Part 15 Section 15.407(e)	ANSI C63.10: 2013	PASS
26 dB Emission Bandwidth & 99% Occupied Bandwidth	47 CFR Part 15 Section 15.407(a)	ANSI C63.10: 2013	PASS
Power Spectral Density	47 CFR Part 15 Section 15.407(a)	ANSI C63.10: 2013	PASS
Radiated Spurious Emissions	47 CFR Part 15 Section 15.407(b)	ANSI C63.10: 2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15 Section 15.407(b)	ANSI C63.10: 2013	PASS
Frequency Stability	47 CFR Part 15 Section 15.407(g)	ANSI C63.10: 2013	PASS

4 Contents

5 General Information

5.1 Client Information

Applicant:	GE Medical Systems Information Technologies, Inc.
Address of Applicant:	8200 West Tower Avenue Milwaukee, WI 53223 USA
Manufacturer:	GE Medical Systems Information Technologies, Inc.
Address of Manufacturer:	8200 West Tower Avenue Milwaukee, WI 53223 USA
Factory:	GE Medical Systems (China) Co., Ltd.
Address of Factory:	No. 19, ChangJiang Road, Wuxi National Hi-tech Development Zone, Jiangsu, P.R.China

5.2 General Description of EUT

Product Name:	B1X5 Wi-Fi Module			
Model No.:	B1X5-01			
Operation Frequency:	Band	Mode	Frequency Range(MHz)	Number of channels
	UNII Band I	IEEE 802.11a	5180-5240	4
		IEEE 802.11n 20MHz	5180-5240	4
		IEEE 802.11n 40MHz	5190-5230	2
	UNII Band II-A	IEEE 802.11a	5260-5320	4
		IEEE 802.11n 20MHz	5260-5320	4
		IEEE 802.11n 40MHz	5270-5310	2
	UNII Band II-C	IEEE 802.11a	5500-5700	11
		IEEE 802.11n 20MHz	5500-5700	11
		IEEE 802.11n 40MHz	5510-5670	5
	UNII Band III	IEEE 802.11a	5745-5825	5
		IEEE 802.11n 20MHz	5745-5825	5
		IEEE 802.11n 40MHz	5755-5795	2
Type of Modulation:	IEEE 802.11a: OFDM(BPSK/QPSK/16QAM/64QAM) IEEE 802.11n: OFDM(BPSK/QPSK/16QAM/64QAM)			
Sample Type:	Fixed product			
DFS mode:	Slave without radar detection			
Antenna Type:	PIFA Antenna			
Antenna Gain:	Antenna1:4.5dBi			
Power Supply:	DC 5V from test board			

Note:

In FCC 15.31, for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table, and the selected channel to perform the test as below:

Frequency Range of Operation Operating Frequency Range (in each Band)	Number of Measurement Frequencies Required	Location of Measurement Frequency in Band of Operation
1 MHz or less	1	centre
1 MHz to 10 MHz	2	1 near high end, 1 near low end
Greater than 10 MHz	3	1 near high end, 1 near centre

For UNII Band I:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n 20MHz	The Lowest channel	5180
	The Middle channel	5200
	The Highest channel	5240
IEEE 802.11n 40MHz	The Lowest channel	5190
	The Highest channel	5230

For UNII Band II-A:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n 20MHz	The Lowest channel	5260
	The Middle channel	5300
	The Highest channel	5320
IEEE 802.11n 40MHz	The Lowest channel	5270
	The Highest channel	5310

For UNII Band II-C:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n 20MHz	The Lowest channel	5500
	The Middle channel	5600
	The Highest channel	5700
IEEE 802.11n 40MHz	The Lowest channel	5510
	The Middle channel	5590
	The Highest channel	5670

For UNII Band III:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n 20MHz	The Lowest channel	5745
	The Middle channel	5785
	The Highest channel	5825
IEEE 802.11n 40MHz	The Lowest channel	5755
	The Highest channel	5795

5.3 Test Environment and Mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	52 % RH
Atmospheric Pressure:	1008 mbar
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.

5.4 Description of Support Units

The EUT has been tested independent unit.

5.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch ,
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.
Tel: +86 755 2601 2053 Fax: +86 755 2671 0594
No tests were sub-contracted.

5.6 Test Facility

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

• **CNAS (No. CNAS L2929)**

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

• **A2LA (Certificate No. 3816.01)**

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

• **VCCI**

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

• **FCC – Registration No.: 556682**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

• **Industry Canada (IC)**

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

5.7 Deviation from Standards

None.

5.8 Abnormalities from Standard Conditions

None.

5.9 Other Information Requested by the Customer

None.

5.10 Equipment List

Conducted Emission						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (yyyy-mm-dd)**	**Cal. Due date (yyyy-mm-dd)**
1	Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2016-05-13	2017-05-13
2	LISN	Rohde & Schwarz	ENV216	SEM007-01	2016-10-09	2017-10-09
3	LISN	ETS-LINDGREN	3816/2	SEM007-02	2016-04-25	2017-04-25
4	8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2016-09-28	2017-09-28
5	4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2016-09-28	2017-09-28
6	2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2016-09-28	2017-09-28
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2016-04-25	2017-04-25
8	DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2016-10-09	2017-10-09

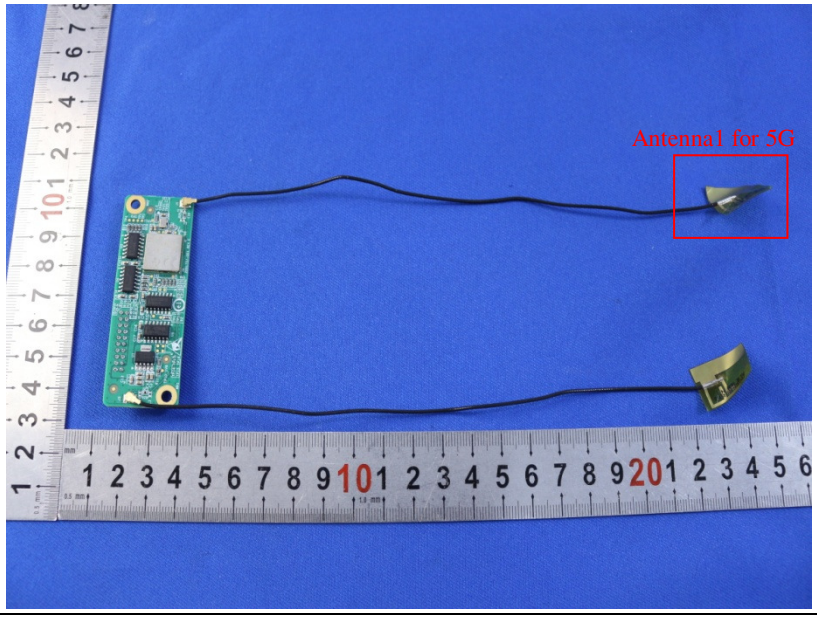
RE in Chamber						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (yyyy-mm-dd)**	**Cal. Due date (yyyy-mm-dd)**
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2016-05-13	2017-05-13
2	EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2016-10-09	2017-10-09
3	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2014-11-01	2017-11-01
4	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEM003-11	2015-10-17	2018-10-17
5	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEM003-12	2014-11-24	2017-11-24
6	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2016-04-25	2017-04-25
7	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A
8	DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
9	Loop Antenna	Beijing Daze	ZN30401	SEM003-09	2015-05-13	2018-05-13

RE in Chamber						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (yyyy-mm-dd)**	**Cal. Due date (yyyy-mm-dd)**
1	3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2016-05-13	2017-05-13
2	EXA Spectrum Analyzer	Agilent Technologies Inc	N9010A	SEM004-09	2016-07-19	2017-07-19
3	BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-02	2014-11-15	2017-11-15
4	Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2016-10-09	2017-10-09
5	Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2015-06-14	2018-06-14
6	Horn Antenna (18-26GHz)	ETS-Lindgren	3160	SEM003-12	2014-11-24	2017-11-24
7	Horn Antenna(26GHz-40GHz)	A.H.Systems, inc.	SAS-573	SEM003-13	2015-02-12	2018-02-12
8	Low Noise Amplifier	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2016-10-09	2017-10-09
9	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A

RF connected test						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (yyyy-mm-dd)**	**Cal. Due date (yyyy-mm-dd)**
1	DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
2	Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
3	Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2016-04-25	2017-04-25
4	Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09

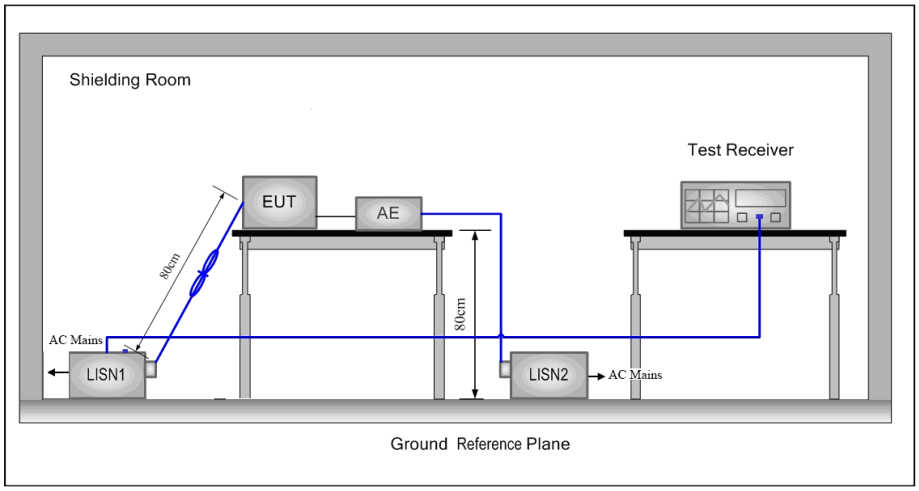
6 Test results and Measurement Data

6.1 Antenna Requirement

Test Requirement:	47 CFR Part 15 Section 15.203
EUT Antenna:	
The antenna is integrated antenna and no consideration of replacement. The best case gain of the antenna is 4.5dBi.	

6.2 Conducted Emissions

<table>
<tr><td>Test Requirement:</td><td>47 CFR Part 15 Section 15.407(b)</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10: 2013</td></tr>
<tr><td>Test Frequency Range:</td><td>150kHz to 30MHz</td></tr>
<tr><td>Limit:</td><td>
<table>
<tr><td rowspan="2">Frequency range (MHz)</td><td colspan="2">Limit (dBuV)</td></tr>
<tr><td>Quasi-peak</td><td>Average</td></tr>
<tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr>
<tr><td>0.5-5</td><td>56</td><td>46</td></tr>
<tr><td>5-30</td><td>60</td><td>50</td></tr>
</table>
* Decreases with the logarithm of the frequency.
</td></tr>
<tr><td>Test Procedure:</td><td>1) The mains terminal disturbance voltage test was conducted in a shielded room.
2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement.</td></tr>
</table>

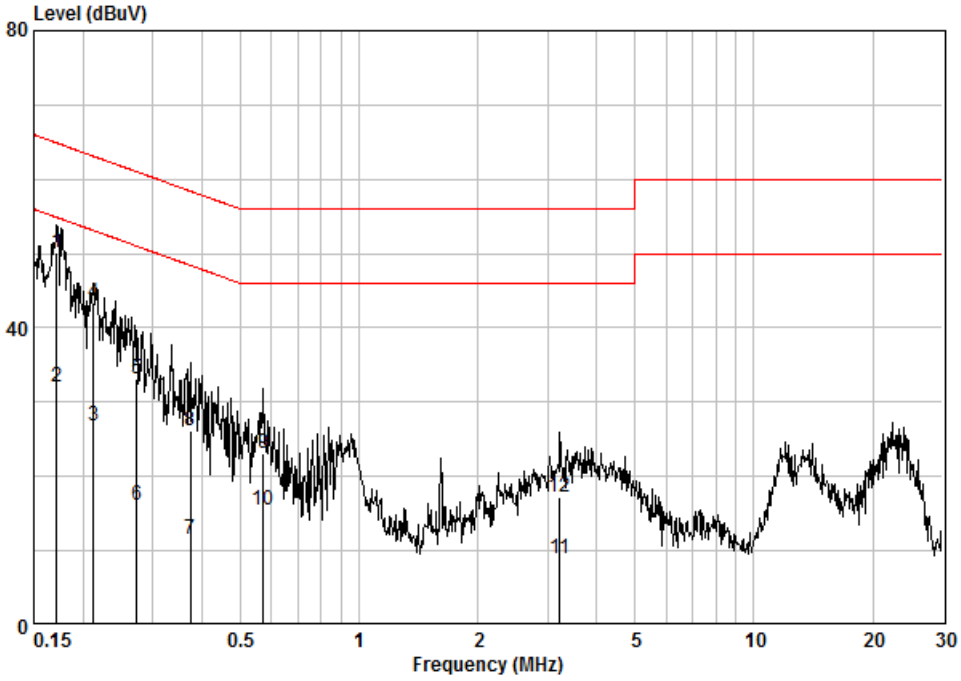
Test Setup:	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

Measurement Data

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

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

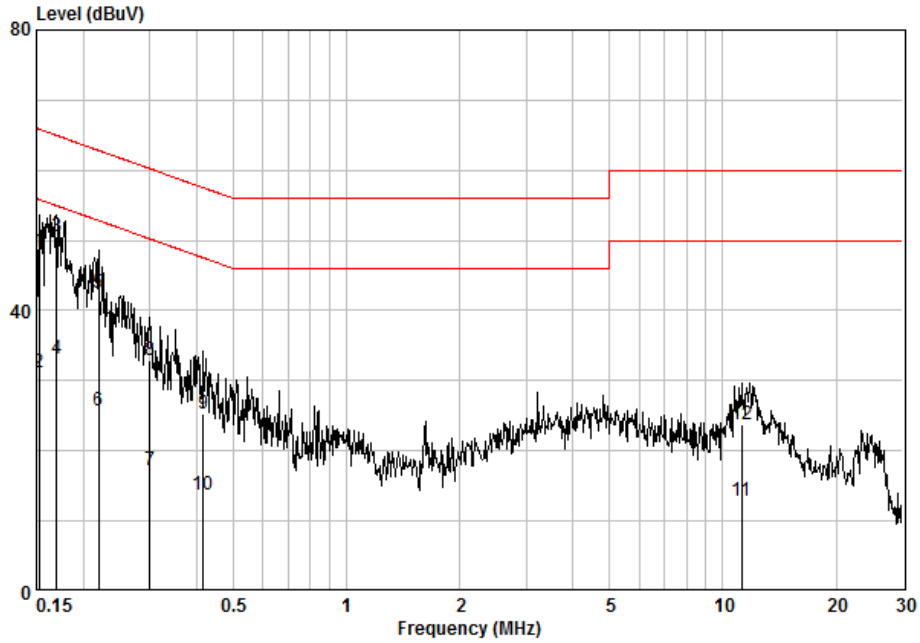
Live Line:



Site : Shielding Room
Condition : CE LINE
Job No. : 10384CR
Test Mode : TX

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 @	0.17124	0.02	9.60	40.49	50.11	64.90	-14.79	QP
2	0.17124	0.02	9.60	22.46	32.08	54.90	-22.82	AVERAGE
3	0.21279	0.02	9.60	17.11	26.73	53.10	-26.37	AVERAGE
4	0.21279	0.02	9.60	33.67	43.29	63.10	-19.80	QP
5	0.27297	0.02	9.60	23.60	33.22	61.03	-27.81	QP
6	0.27297	0.02	9.60	6.49	16.10	51.03	-34.93	AVERAGE
7	0.37314	0.02	9.59	1.92	11.54	48.43	-36.89	AVERAGE
8	0.37314	0.02	9.59	16.64	26.25	58.43	-32.18	QP
9	0.57313	0.02	9.60	13.53	23.16	56.00	-32.84	QP
10	0.57313	0.02	9.60	5.89	15.52	46.00	-30.48	AVERAGE
11	3.224	0.02	9.62	-0.63	9.02	46.00	-36.98	AVERAGE
12	3.224	0.02	9.62	7.63	17.28	56.00	-38.72	QP

Neutral Line:



Site : Shielding Room
Condition : CE NEUTRAL
Job No. : 10384CR
Test Mode : TX

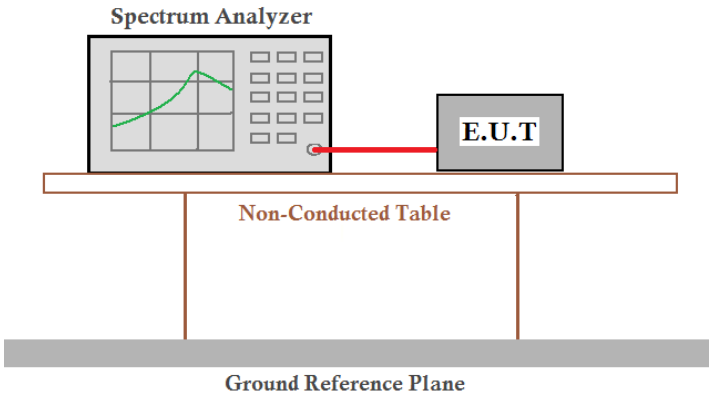
	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15240	0.02	9.62	38.79	48.43	65.87	-17.44	QP
2	0.15240	0.02	9.62	21.45	31.08	55.87	-24.79	AVERAGE
3 @	0.16944	0.02	9.60	41.03	50.65	64.99	-14.34	QP
4	0.16944	0.02	9.60	23.50	33.12	54.99	-21.86	AVERAGE
5	0.21967	0.02	9.62	32.95	42.59	62.83	-20.25	QP
6	0.21967	0.02	9.62	16.07	25.70	52.83	-27.13	AVERAGE
7	0.30028	0.02	9.62	7.56	17.20	50.24	-33.04	AVERAGE
8	0.30028	0.02	9.62	23.30	32.94	60.24	-27.29	QP
9	0.41705	0.02	9.62	15.71	25.35	57.51	-32.15	QP
10	0.41705	0.02	9.62	4.06	13.70	47.51	-33.81	AVERAGE
11	11.198	0.14	9.82	2.95	12.91	50.00	-37.09	AVERAGE
12	11.198	0.14	9.82	13.73	23.69	60.00	-36.31	QP

Notes:

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

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

6.3 Conducted Output Power

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10: 2013	
Test Setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*	
Test Instruments:	Refer to section 5.10 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCSO of rate is the worst case of 802.11n(HT20); MCSO of rate is the worst case of 802.11n(HT40); Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5150-5250MHz	Not exceed 250mW(24dBm)
	5250-5350MHz	The lesser of 250mW(24dBm) or 11+ 10logB
	5470-5725MHz	The lesser of 250mW(24dBm) or 11+ 10logB
	5725-5850MHz	Not exceed 1W(30dBm)
	*Where B is the 26dB emission bandwidth in MHz	
Test Results:	Pass	

Measurement Data:

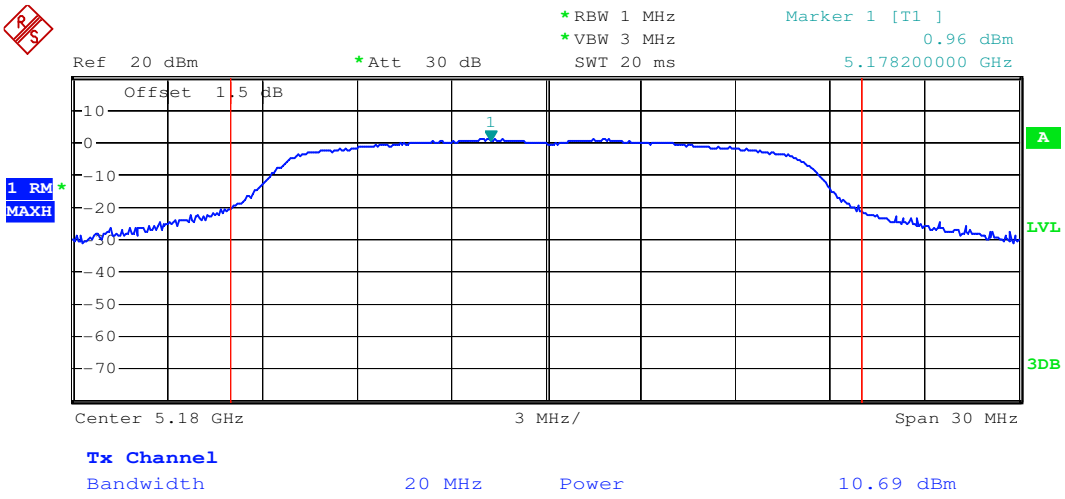
802.11a mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	10.69	24.00	Pass
5200	9.72	24.00	Pass
5240	10.41	24.00	Pass
5260	7.41	24.00	Pass
5300	7.94	24.00	Pass
5320	7.88	24.00	Pass
5500	7.31	24.00	Pass
5580	12.92	24.00	Pass
5600	13.70	24.00	Pass
5700	5.50	24.00	Pass
5745	4.55	30.00	Pass
5785	9.63	30.00	Pass
5825	5.76	30.00	Pass

802.11n(HT20) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	9.49	24.00	Pass
5200	9.72	24.00	Pass
5240	10.53	24.00	Pass
5260	7.58	24.00	Pass
5300	8.88	24.00	Pass
5320	9.26	24.00	Pass
5500	10.03	24.00	Pass
5600	13.20	24.00	Pass
5700	4.97	24.00	Pass
5745	4.57	30.00	Pass
5785	9.23	30.00	Pass
5825	5.78	30.00	Pass

802.11n(40) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5190	7.73	24.00	Pass
5230	7.08	24.00	Pass
5270	6.41	24.00	Pass
5310	6.29	24.00	Pass
5510	8.11	24.00	Pass
5590	8.16	24.00	Pass
5670	6.96	24.00	Pass
5755	1.74	30.00	Pass
5795	4.43	30.00	Pass

Test plot as follows:

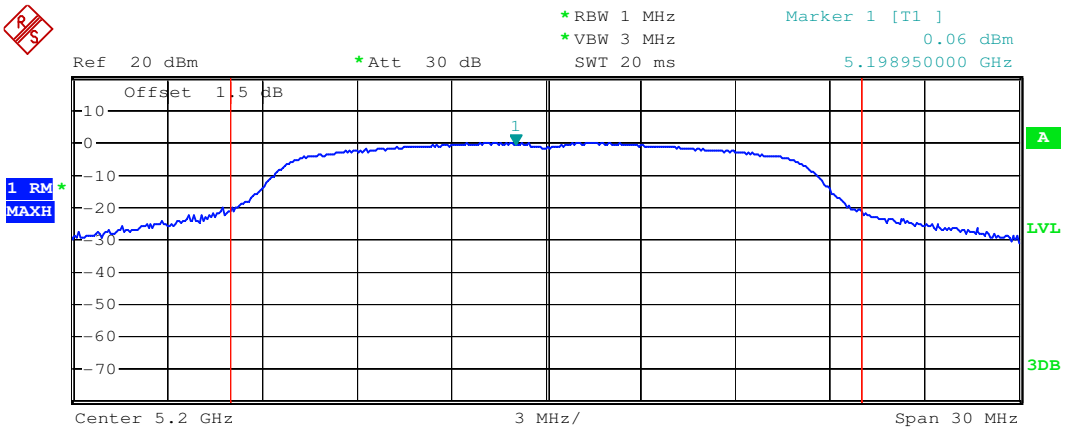
Test mode:	802.11a	Frequency(MHz):	5180



Tx Channel

Bandwidth 20 MHz Power 10.69 dBm

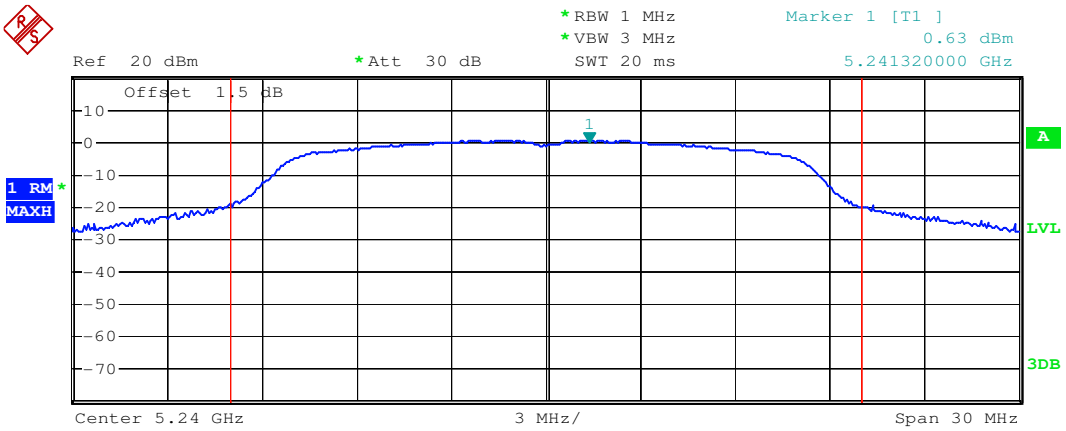
Test mode:	802.11a	Frequency(MHz):	5200



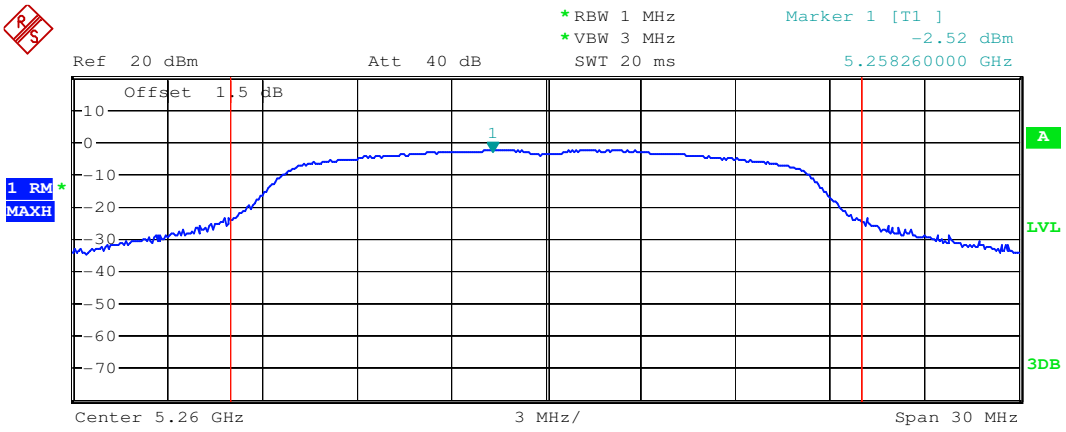
Tx Channel

Bandwidth 20 MHz Power 9.72 dBm

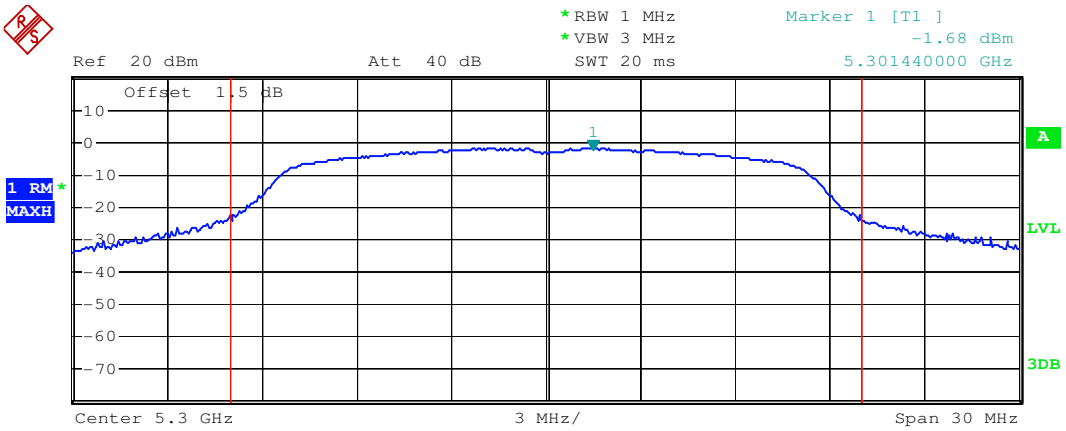
Test mode:	802.11a	Frequency(MHz):	5240



Test mode:	802.11a	Frequency(MHz):	5260



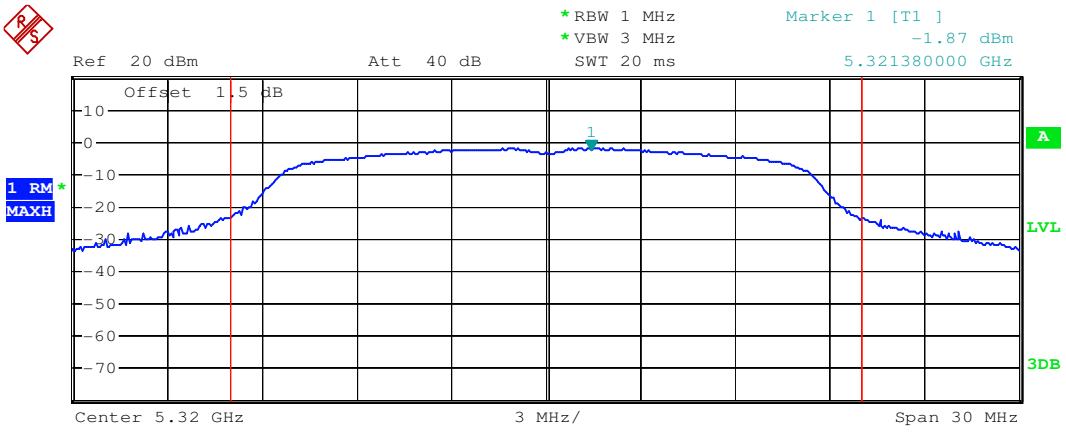
Test mode:	802.11a	Frequency(MHz):	5300



Tx Channel

Bandwidth 20 MHz Power 7.94 dBm

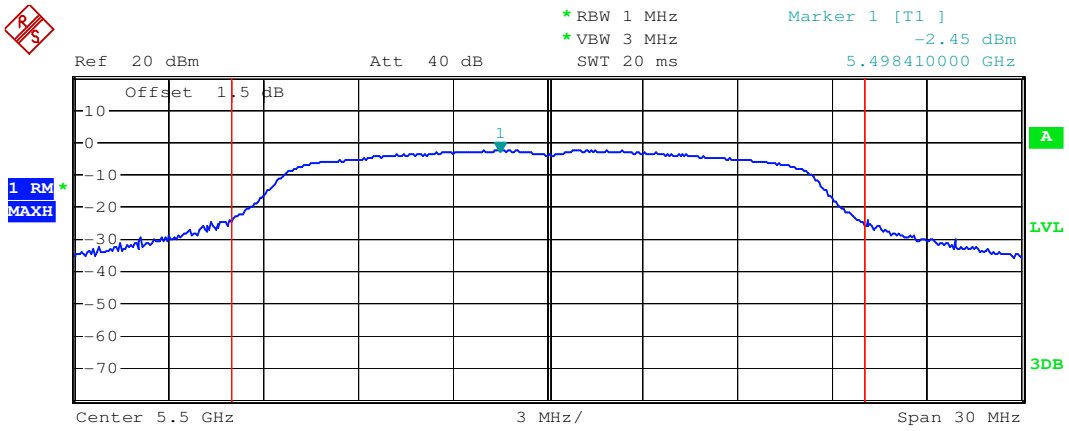
Test mode:	802.11a	Frequency(MHz):	5320



Tx Channel

Bandwidth 20 MHz Power 7.88 dBm

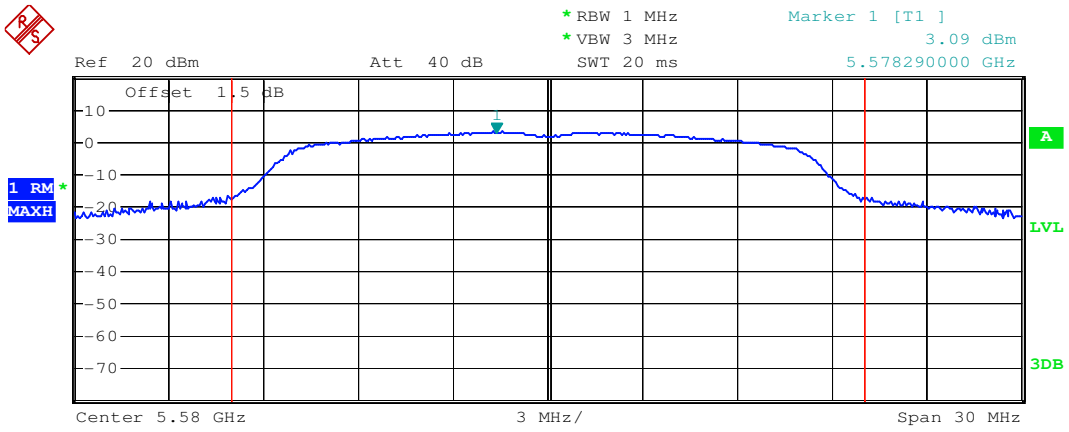
Test mode:	802.11a	Frequency(MHz):	5500



Tx Channel

Bandwidth 20 MHz Power 7.31 dBm

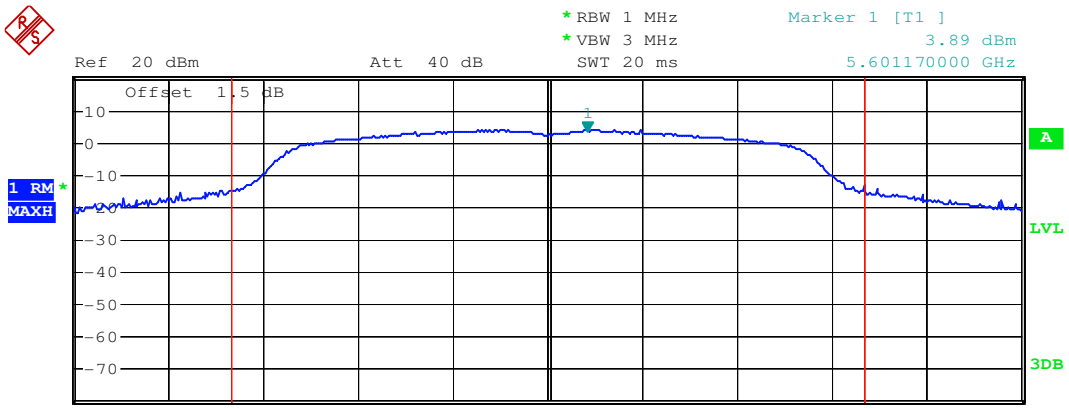
Test mode:	802.11a	Frequency(MHz):	5580



Tx Channel

Bandwidth 20 MHz Power 12.92 dBm

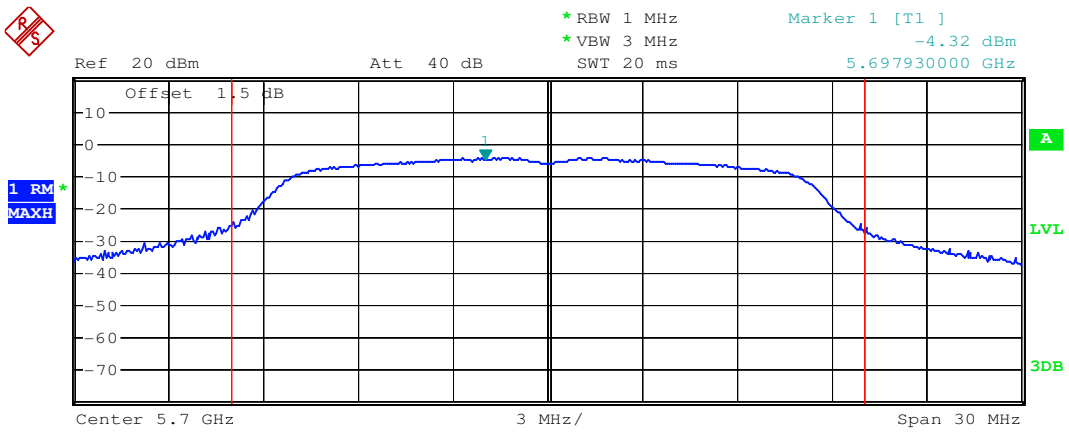
Test mode:	802.11a	Frequency(MHz):	5600



Tx Channel

Bandwidth 20 MHz Power 13.70 dBm

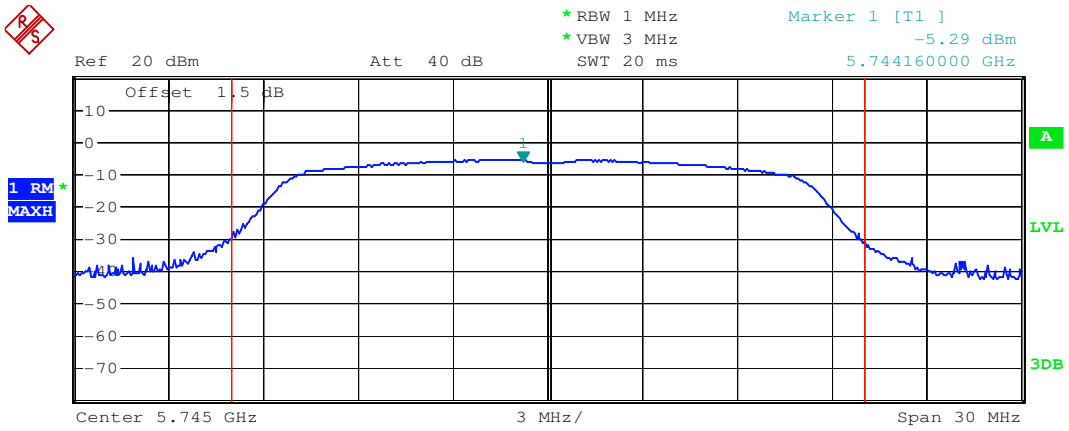
Test mode:	802.11a	Frequency(MHz):	5700



Tx Channel

Bandwidth 20 MHz Power 5.50 dBm

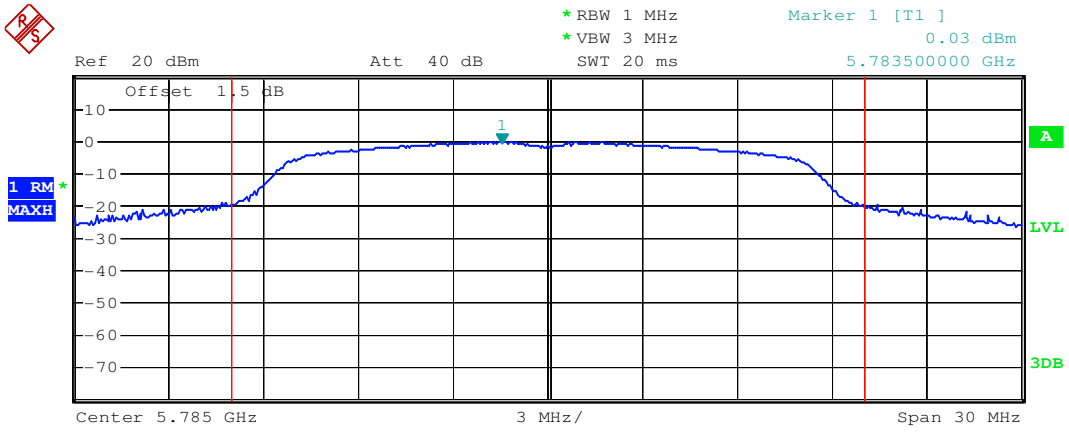
Test mode:	802.11a	Frequency(MHz):	5745



Tx Channel

Bandwidth 20 MHz Power 4.55 dBm

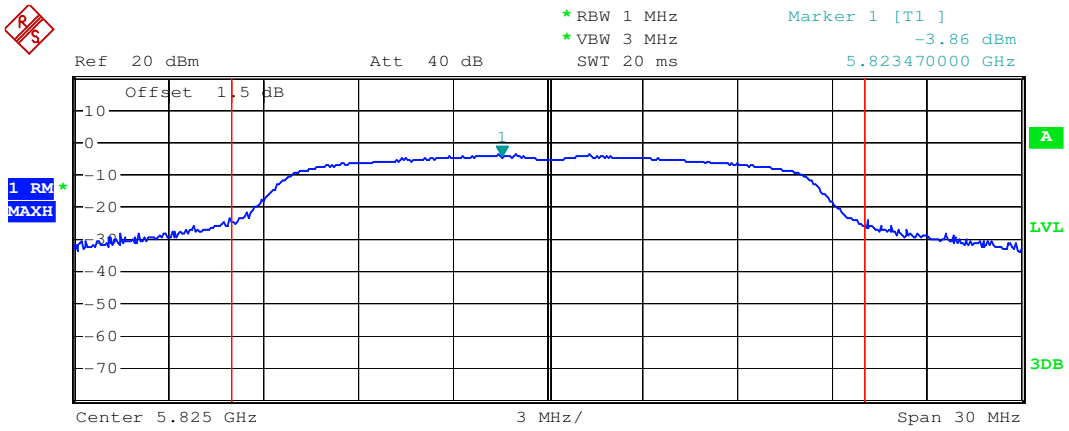
Test mode:	802.11a	Frequency(MHz):	5785



Tx Channel

Bandwidth 20 MHz Power 9.63 dBm

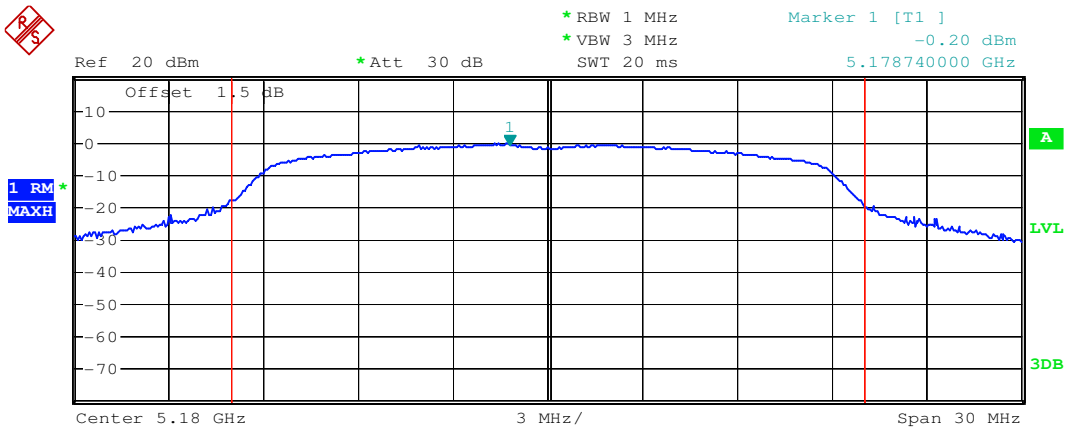
Test mode:	802.11a	Frequency(MHz):	5825



Tx Channel

Bandwidth	20 MHz	Power	5.76 dBm

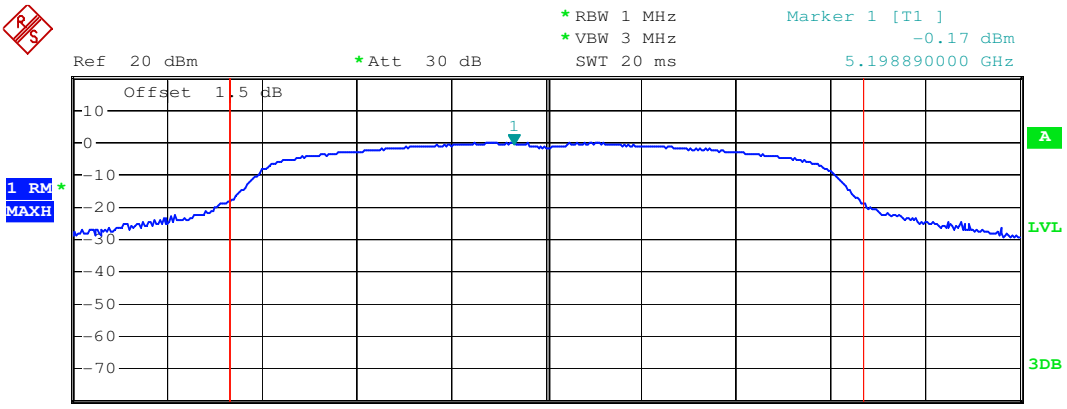
Test mode:	802.11n(HT20)	Frequency(MHz):	5180



Tx Channel

Bandwidth	20 MHz	Power	9.49 dBm

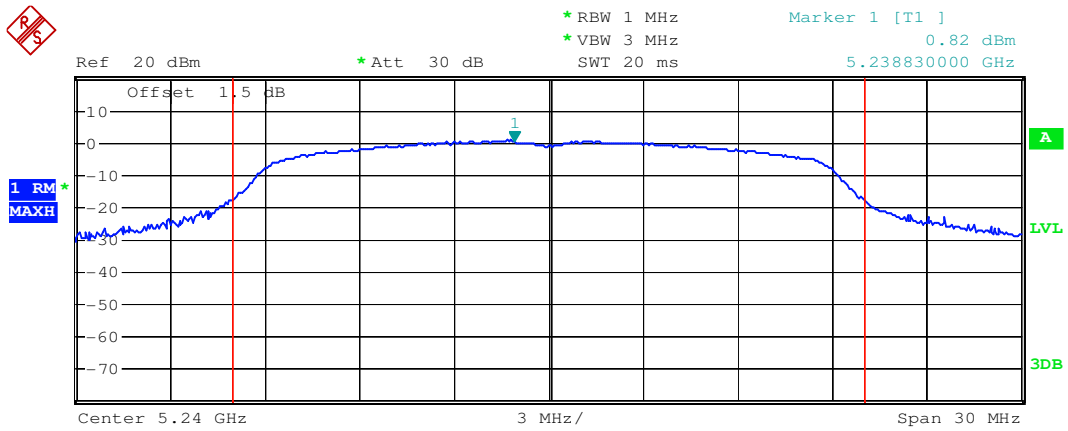
Test mode:	802.11n(HT20)	Frequency(MHz):	5200



Tx Channel

Bandwidth	20 MHz	Power	9.72 dBm

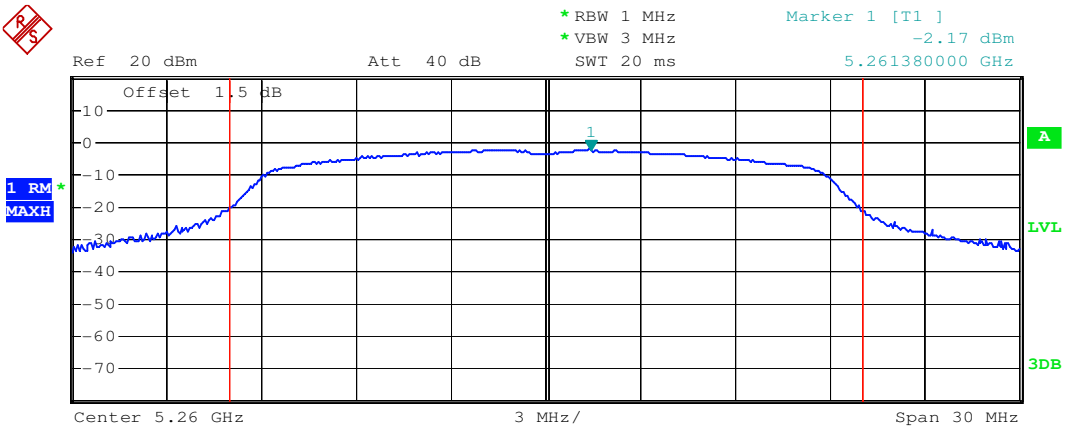
Test mode:	802.11n(HT20)	Frequency(MHz):	5240



Tx Channel

Bandwidth	20 MHz	Power	10.53 dBm

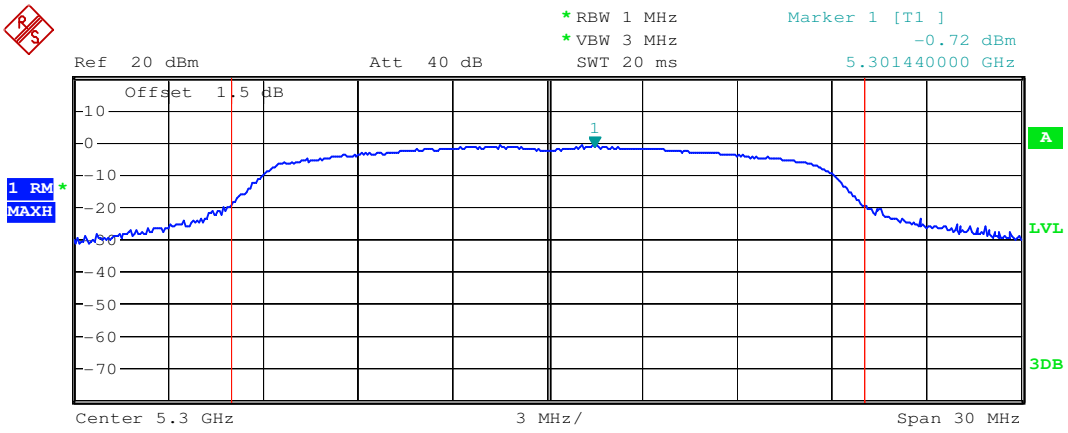
Test mode:	802.11n(HT20)	Frequency(MHz):	5260



Tx Channel

Bandwidth	20 MHz	Power	7.58 dBm

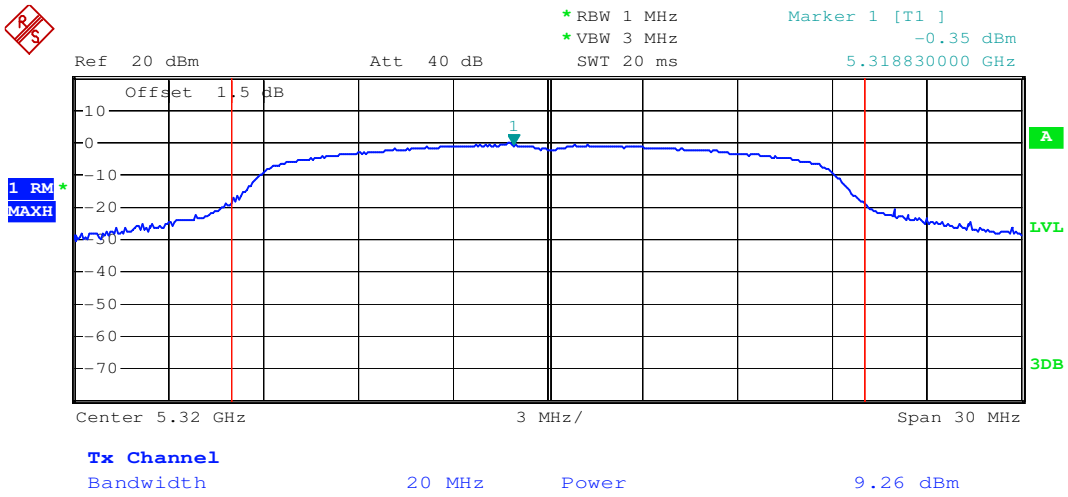
Test mode:	802.11n(HT20)	Frequency(MHz):	5300



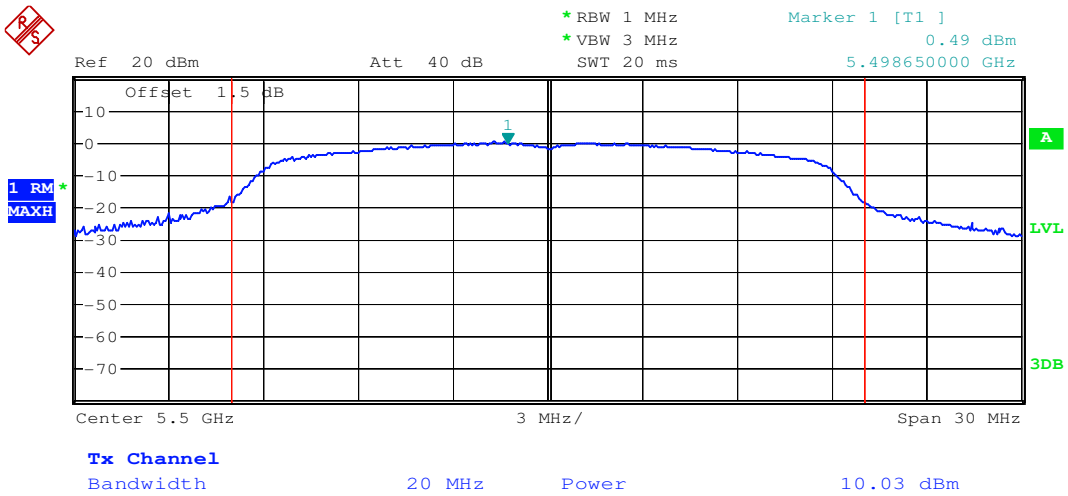
Tx Channel

Bandwidth	20 MHz	Power	8.88 dBm

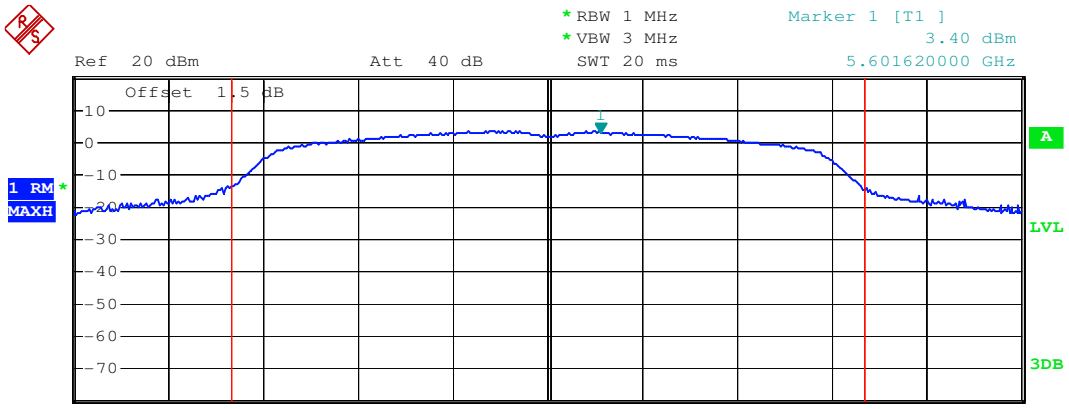
Test mode:	802.11n(HT20)	Frequency(MHz):	5320



Test mode:	802.11n(HT20)	Frequency(MHz):	5500



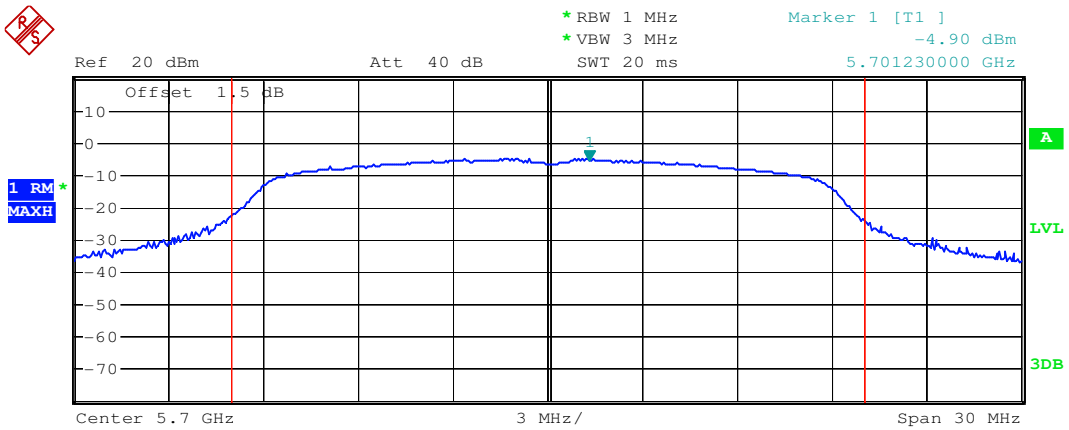
Test mode:	802.11n(HT20)	Frequency(MHz):	5600



Tx Channel

Bandwidth 20 MHz Power 13.20 dBm

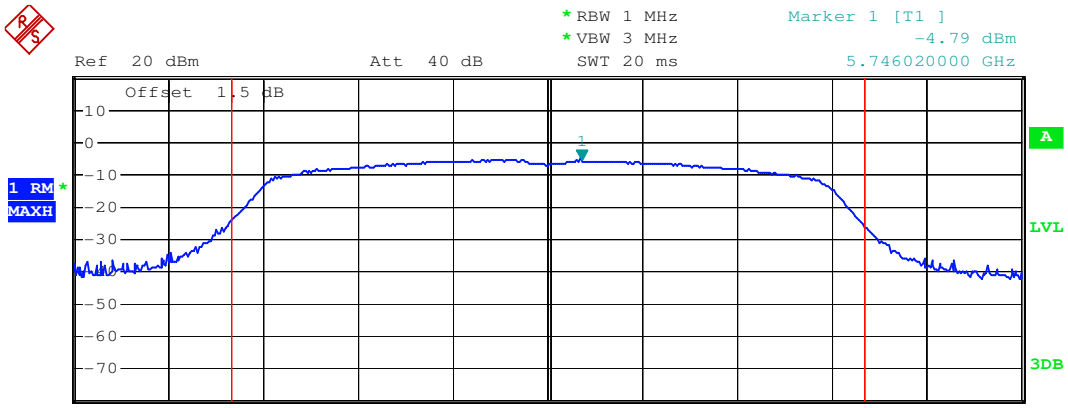
Test mode:	802.11n(HT20)	Frequency(MHz):	5700



Tx Channel

Bandwidth 20 MHz Power 4.97 dBm

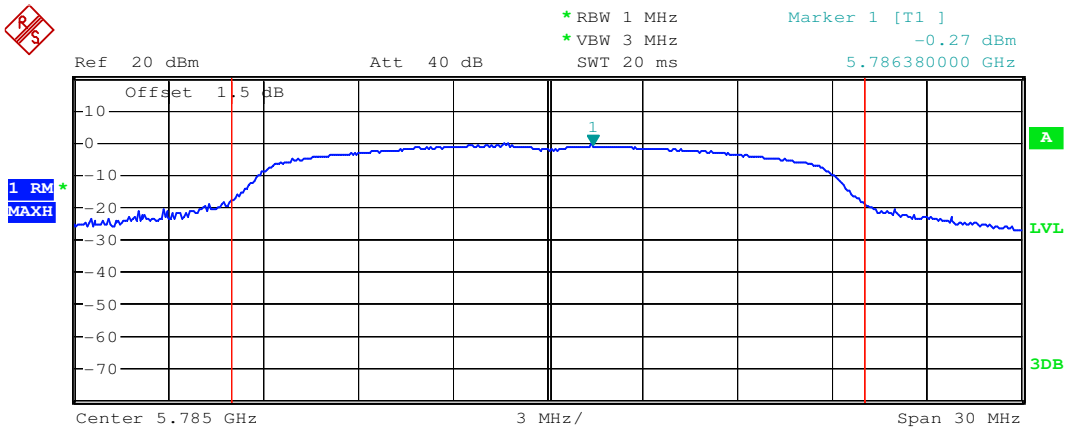
Test mode:	802.11n(HT20)	Frequency(MHz):	5745



Tx Channel

Bandwidth 20 MHz Power 4.57 dBm

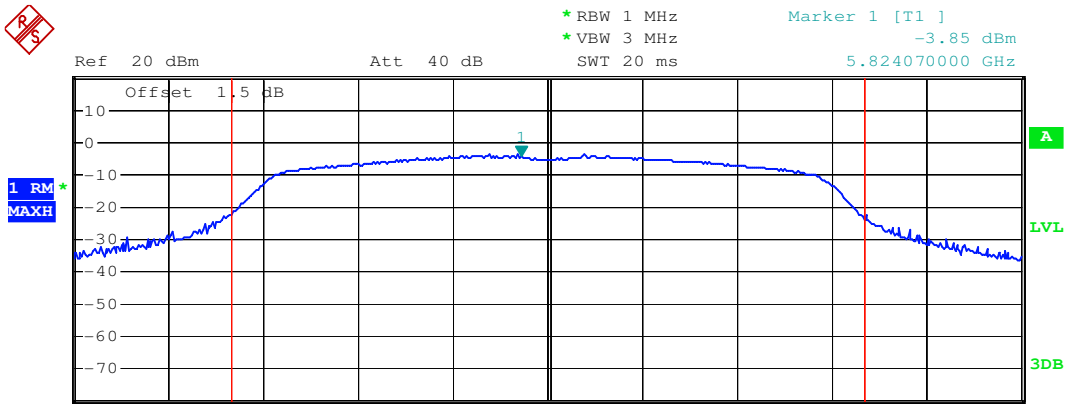
Test mode:	802.11n(HT20)	Frequency(MHz):	5785



Tx Channel

Bandwidth 20 MHz Power 9.23 dBm

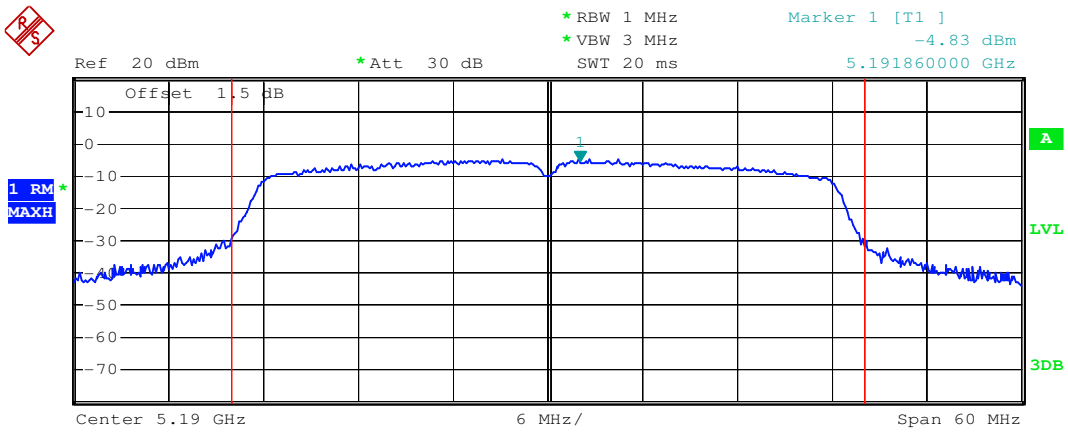
Test mode:	802.11n(HT20)	Frequency(MHz):	5825



Tx Channel

Bandwidth	20 MHz	Power	5.78 dBm

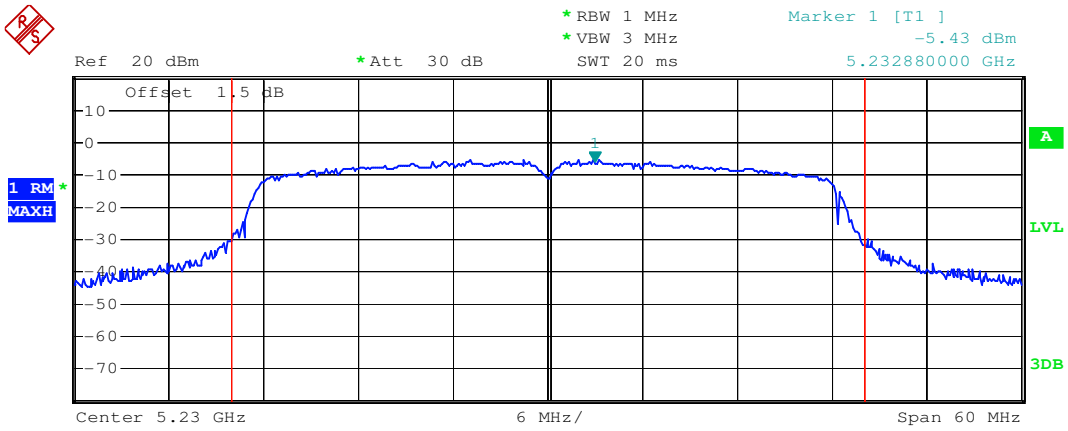
Test mode:	802.11n(HT40)	Frequency(MHz):	5190



Tx Channel

Bandwidth	40 MHz	Power	7.73 dBm

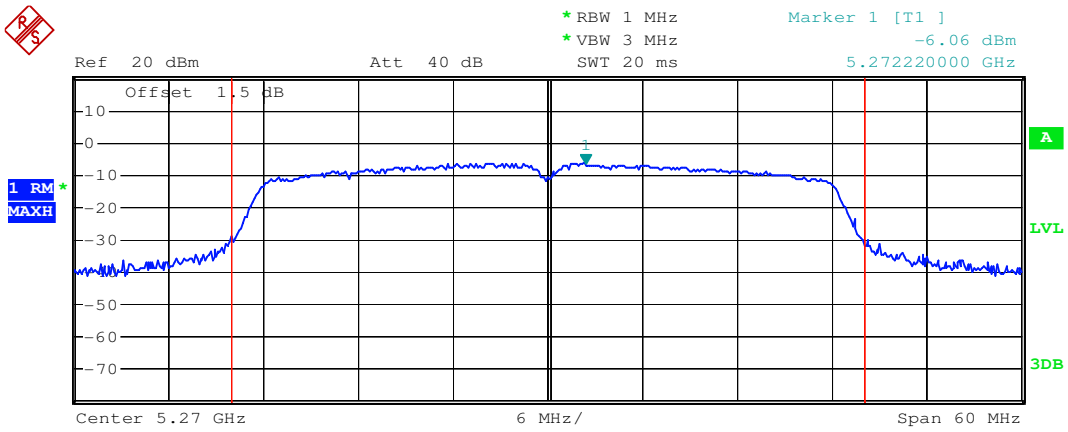
Test mode:	802.11n(HT40)	Frequency(MHz):	5230



Tx Channel

Bandwidth 40 MHz Power 7.08 dBm

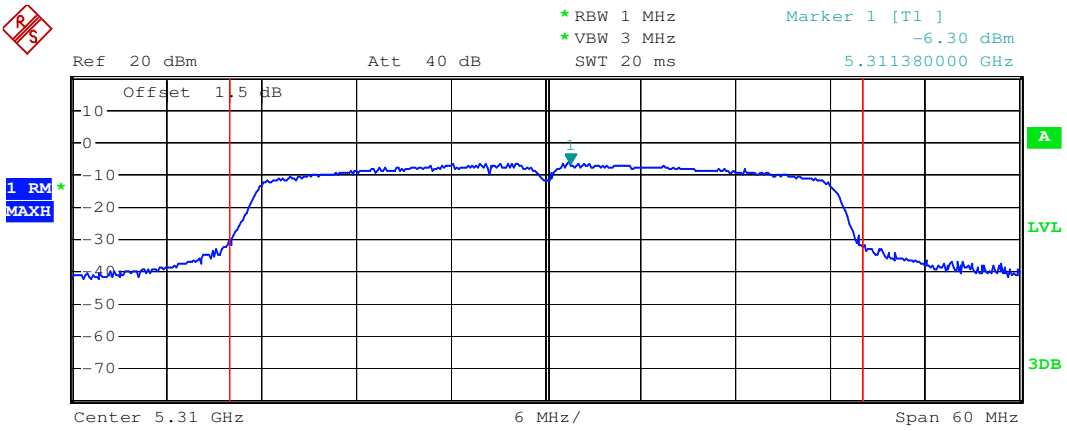
Test mode:	802.11n(HT40)	Frequency(MHz):	5270



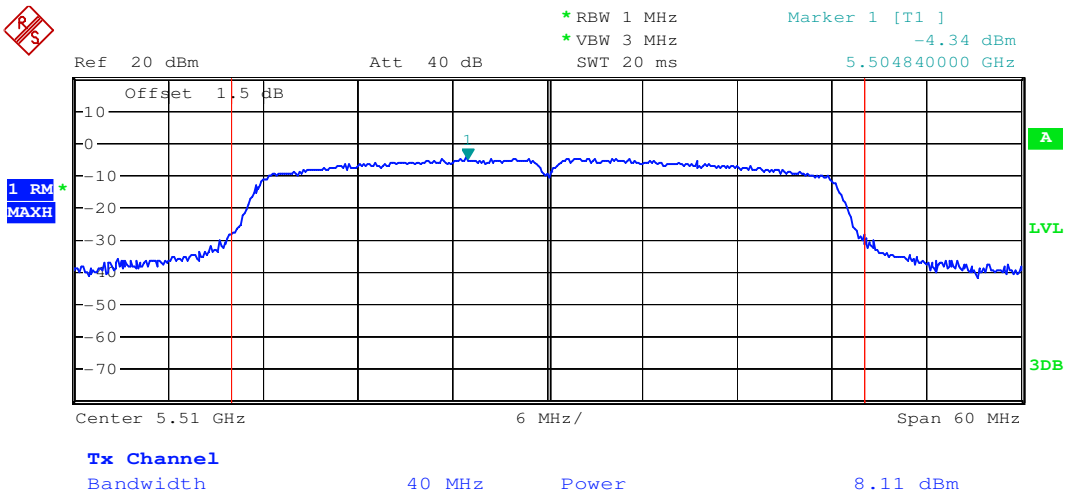
Tx Channel

Bandwidth 40 MHz Power 6.41 dBm

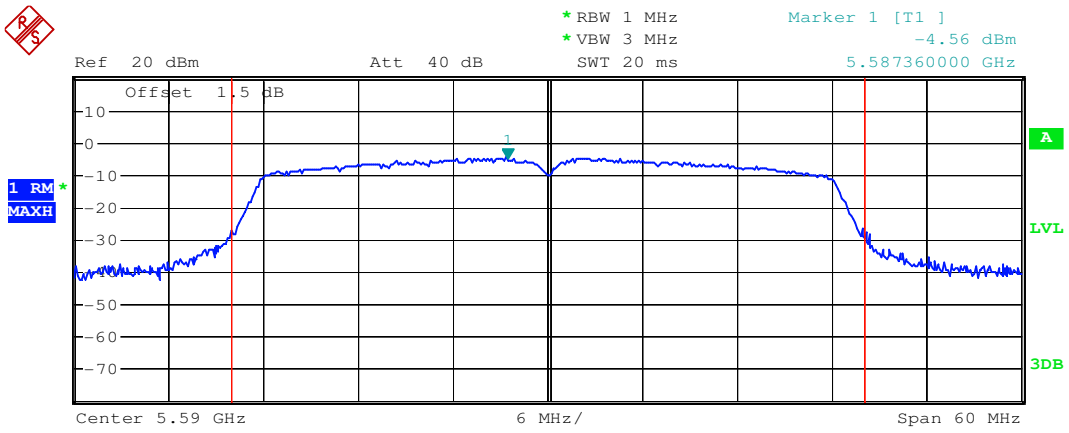
Test mode:	802.11n(HT40)	Frequency(MHz):	5310



Test mode:	802.11n(HT40)	Frequency(MHz):	5510



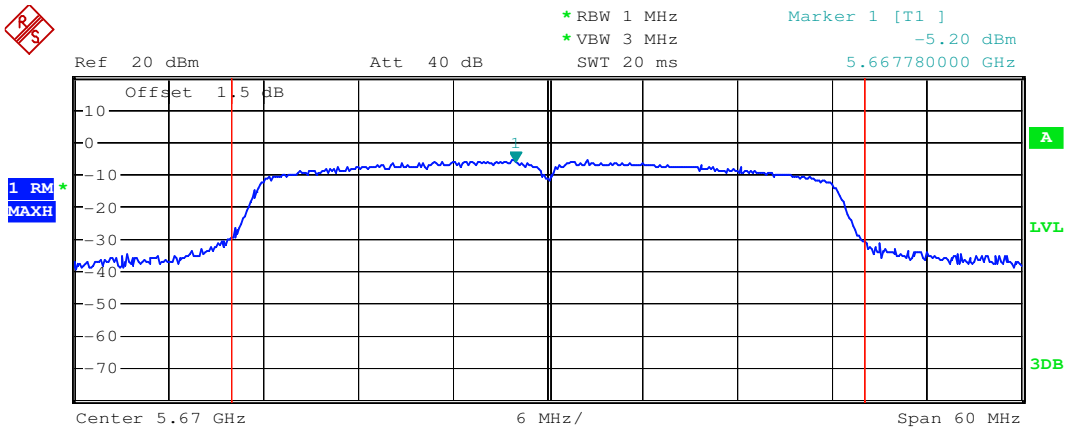
Test mode:	802.11n(HT40)	Frequency(MHz):	5590



Tx Channel

Bandwidth 40 MHz Power 8.16 dBm

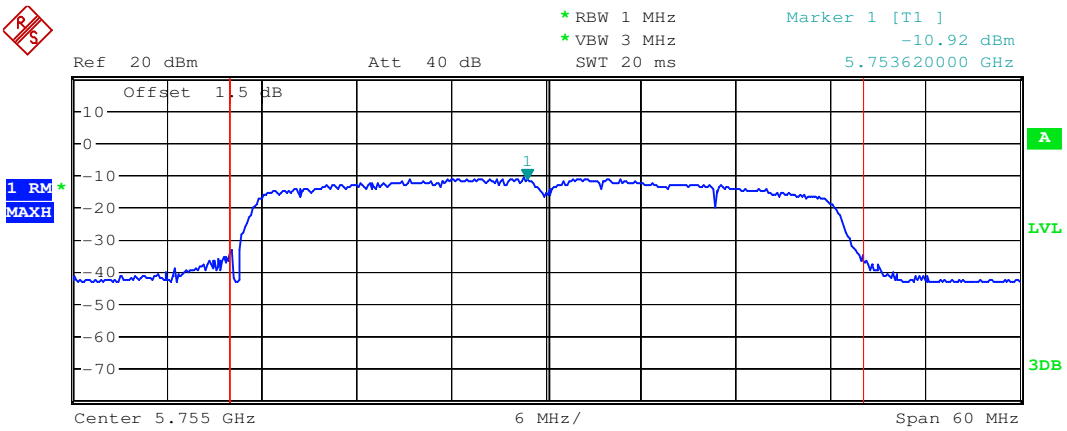
Test mode:	802.11n(HT40)	Frequency(MHz):	5670



Tx Channel

Bandwidth 40 MHz Power 6.96 dBm

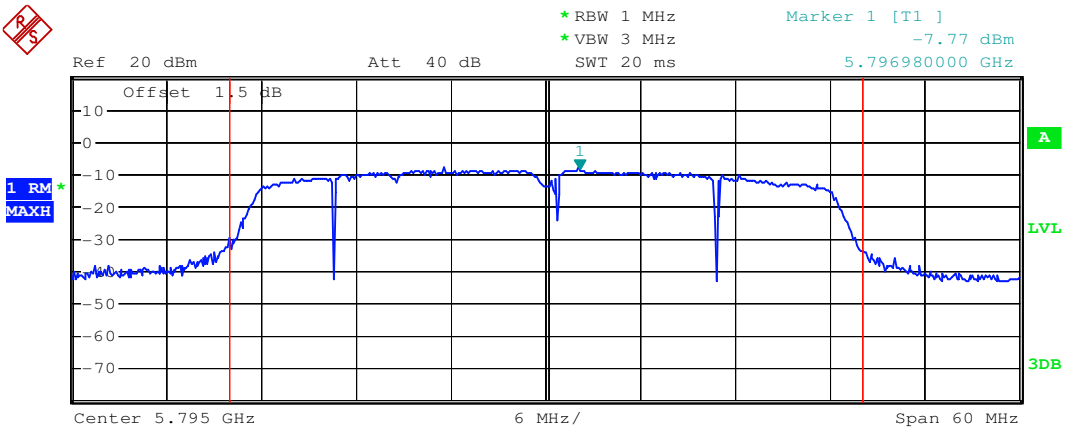
Test mode:	802.11n(HT40)	Frequency(MHz):	5755



Tx Channel

Bandwidth	40 MHz	Power	1.74 dBm

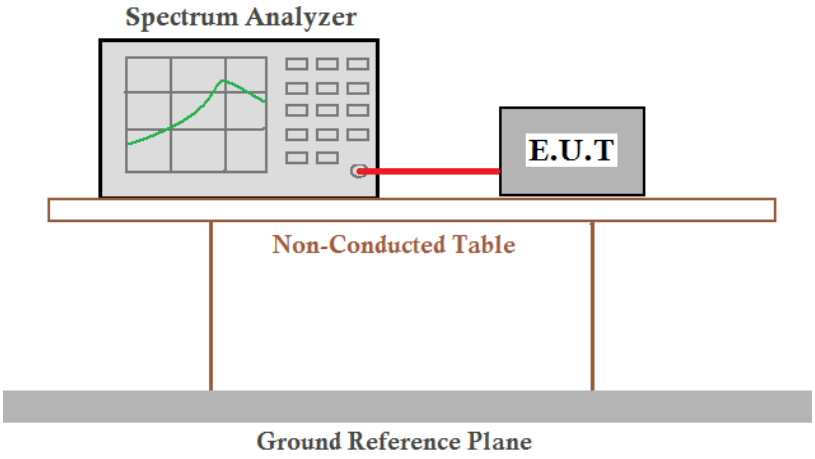
Test mode:	802.11n(HT40)	Frequency(MHz):	5795



Tx Channel

Bandwidth	40 MHz	Power	4.43 dBm

6.4 26dB Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(a)
Test Method:	ANSI C63.10: 2013
Test Setup:	
Instruments Used:	Refer to section 5.10 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCSO of rate is the worst case of 802.11n(HT20); MCSO of rate is the worst case of 802.11n(HT40); Only the worst case is recorded in the report.
Limit:	No restriction limits
Test Results:	Pass

Measurement Data:

802.11a mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	26.560	17.010
5200	28.840	17.190
5240	32.400	17.580
5260	25.680	16.980
5300	26.960	17.010
5320	26.000	17.040
5500	26.500	16.950
5580	34.700	18.030
5600	34.100	19.410
5700	24.800	16.950
5745	20.480	16.440
5785	20.240	18.540
5825	29.360	17.310

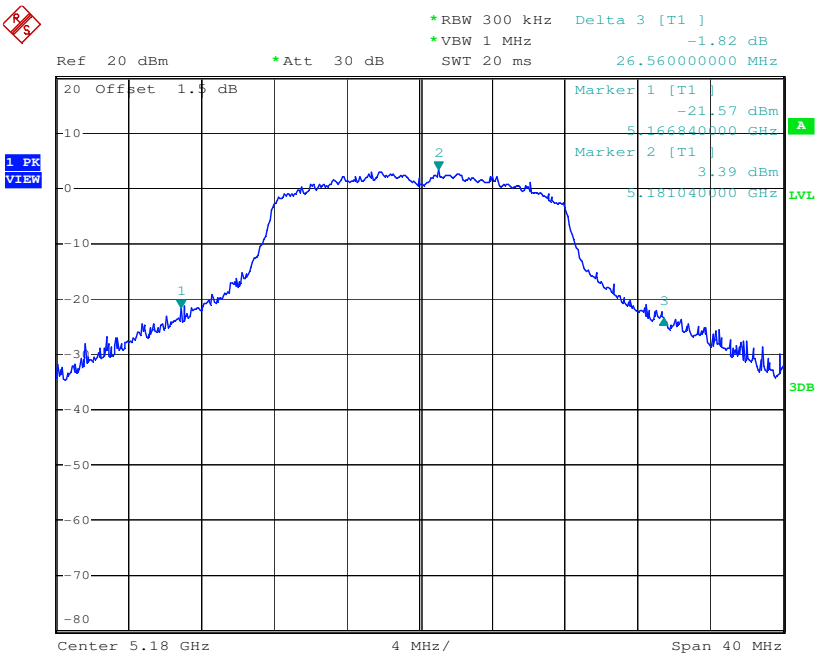
802.11n(HT20) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	29.680	18.150
5200	29.560	18.150
5240	28.080	18.000
5260	26.800	18.000
5300	26.320	18.120
5320	27.280	18.180
5500	28.900	18.210
5580	32.900	18.570
5600	34.00	19.080
5700	25.600	17.970
5745	28.640	17.580
5785	32.600	18.750
5825	33.200	17.970

802.11n(HT40) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	42.080	35.880
5230	42.080	35.940
5270	42.720	36.000
5310	43.840	35.940
5510	42.240	35.940
5550	42.080	35.940
5590	42.080	35.940
5670	42.720	35.940
5755	46.080	36.000
5795	42.560	36.060

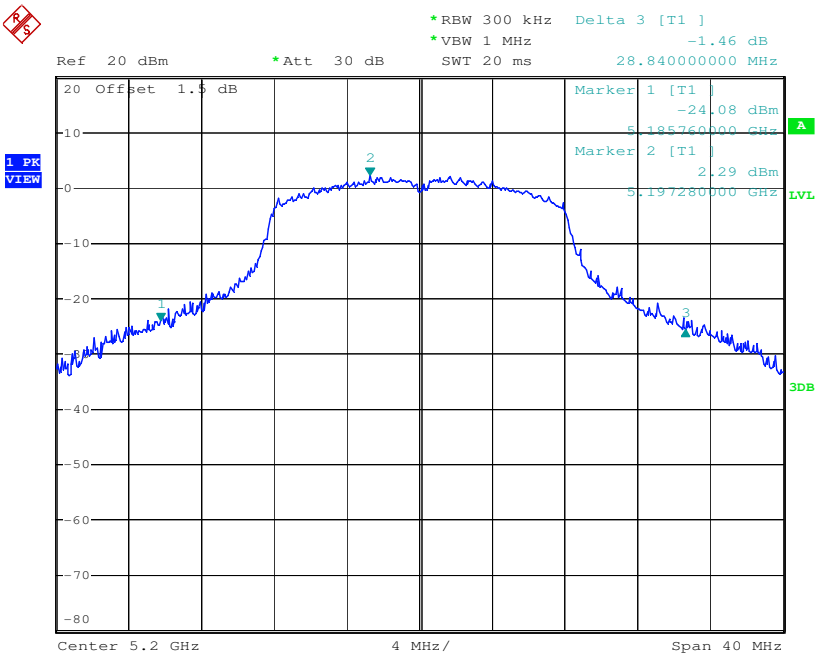
26dB Emission Bandwidth

Test plot as follows:

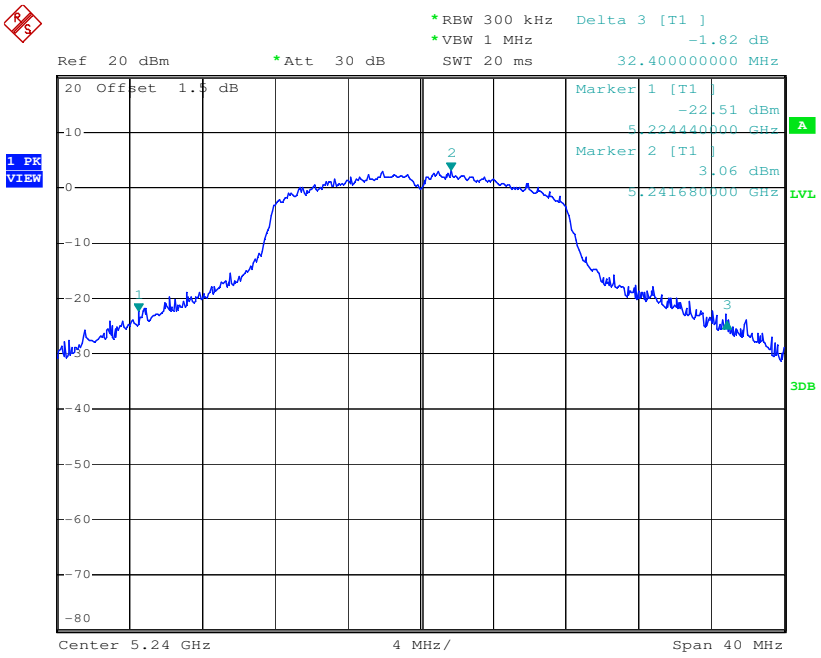
Test mode:	802.11a	Frequency(MHz):	5180



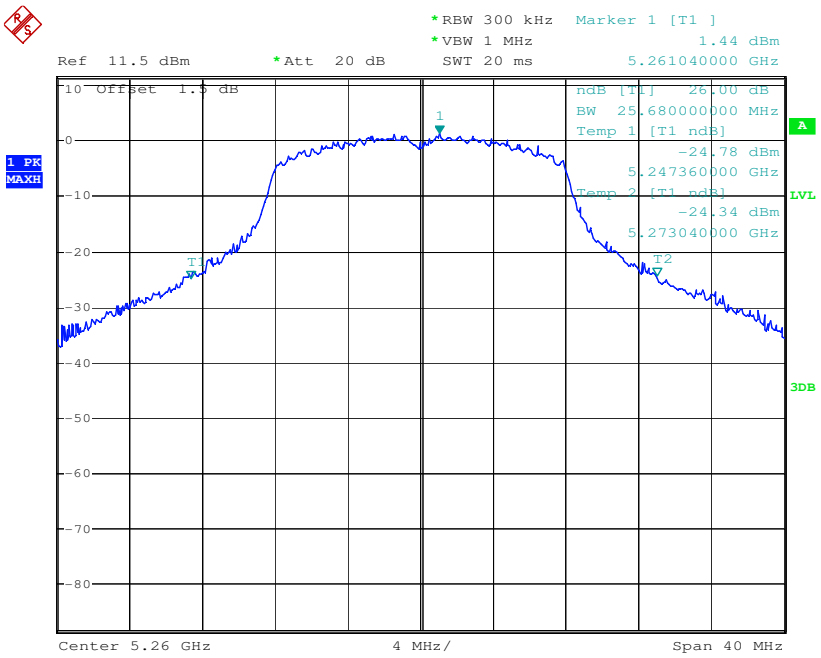
Test mode:	802.11a	Frequency(MHz):	5200



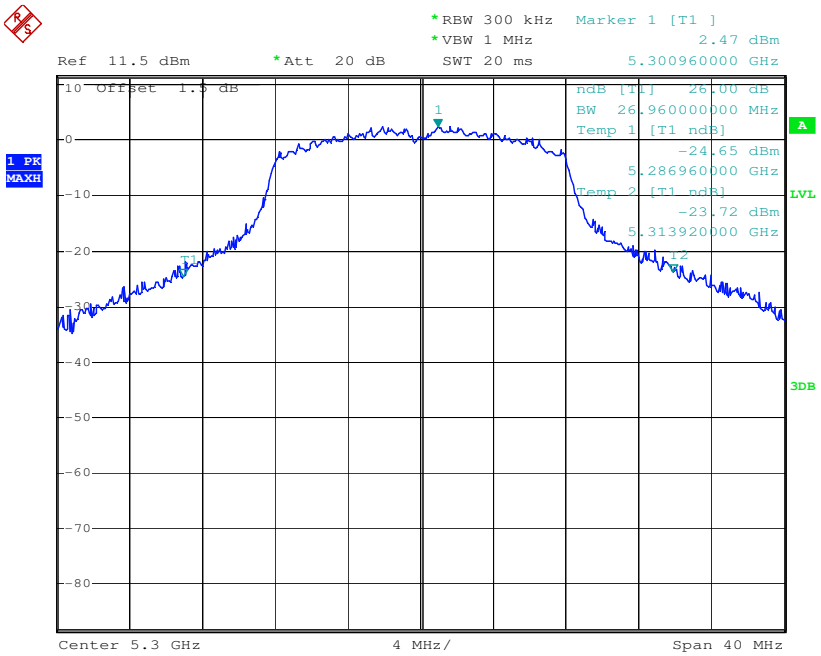
Test mode:	802.11a	Frequency(MHz):	5240



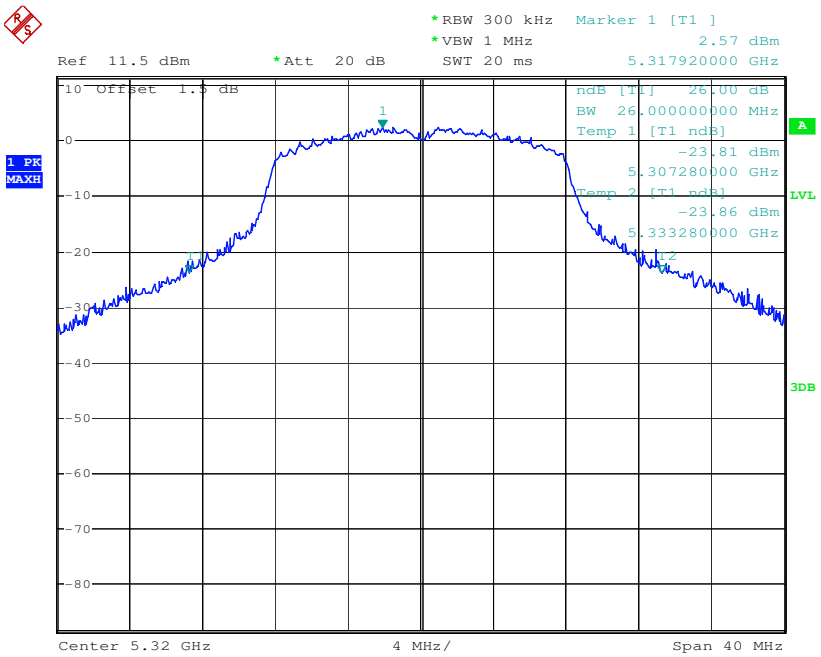
Test mode:	802.11a	Frequency(MHz):	5260



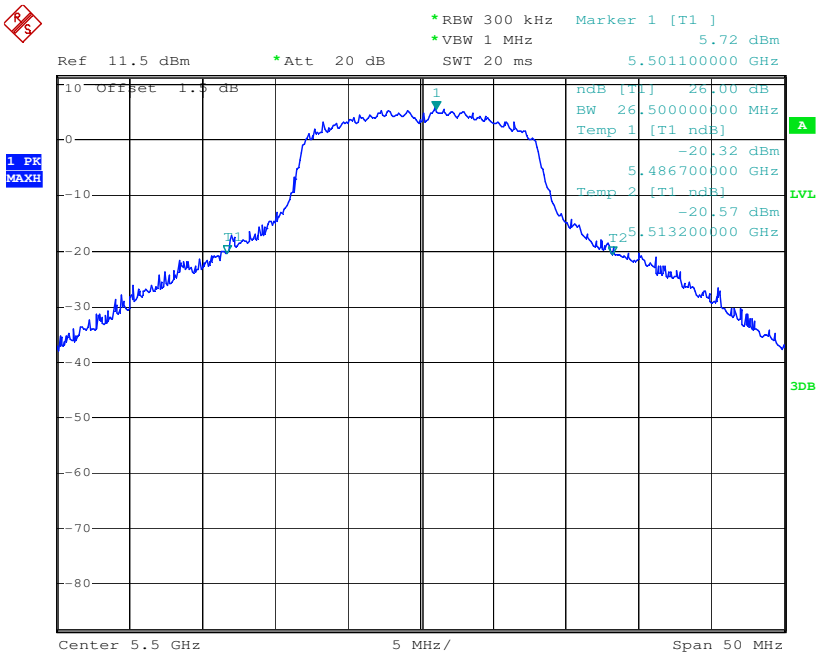
Test mode:	802.11a	Frequency(MHz):	5300



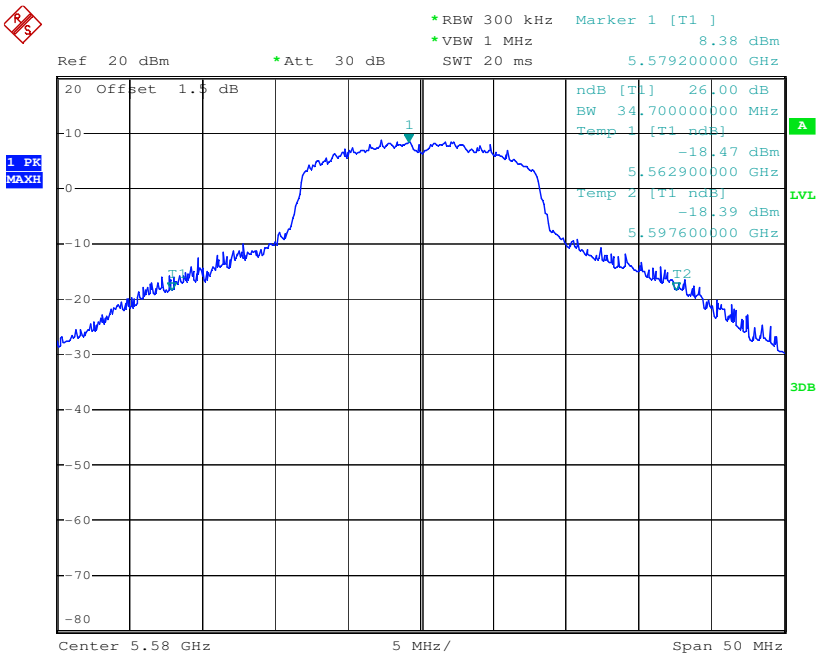
Test mode:	802.11a	Frequency(MHz):	5320



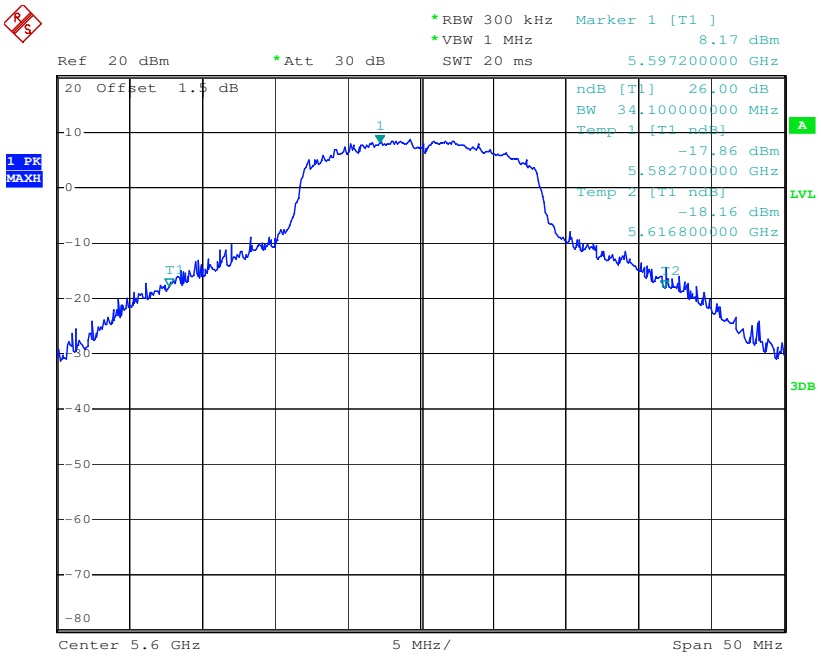
Test mode:	802.11a	Frequency(MHz):	5500



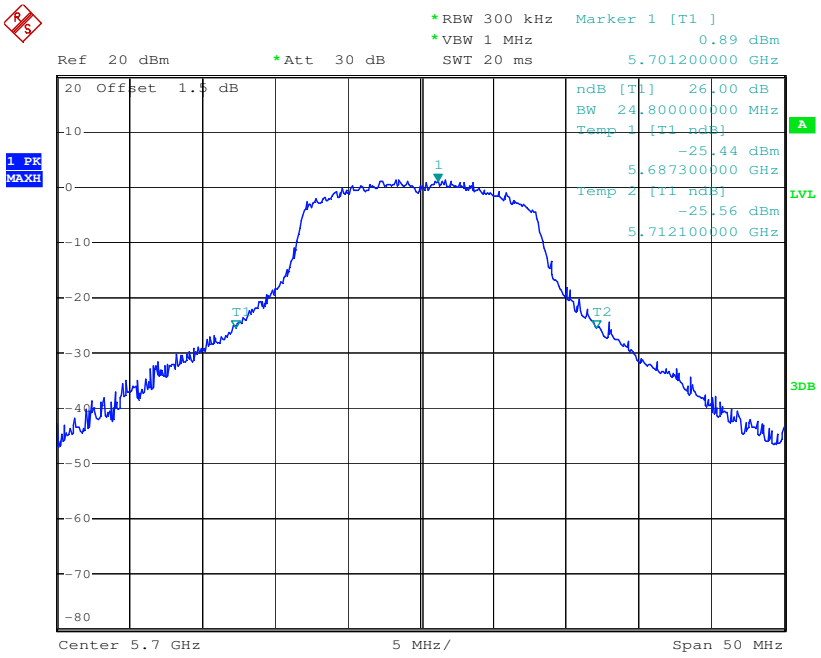
Test mode:	802.11a	Frequency(MHz):	5580



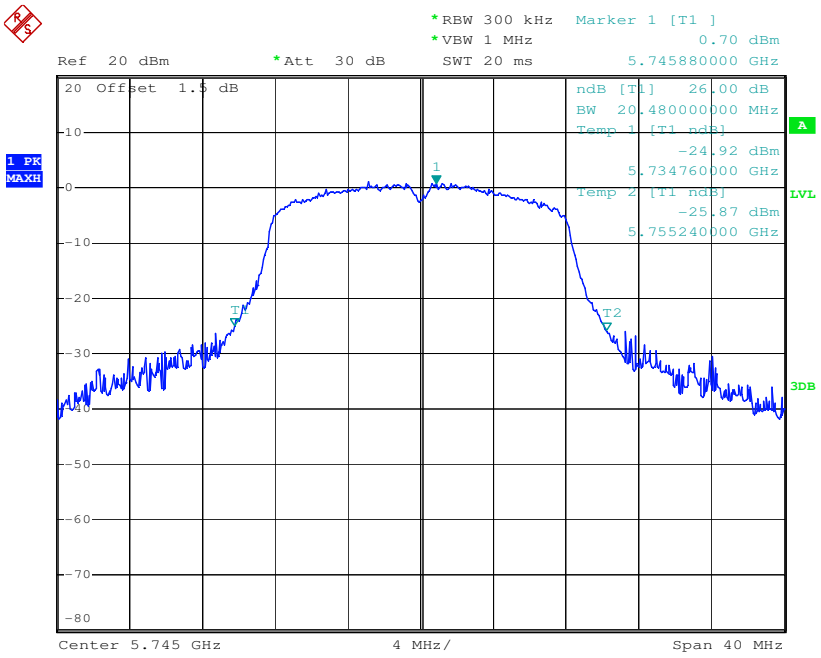
Test mode:	802.11a	Frequency(MHz):	5580



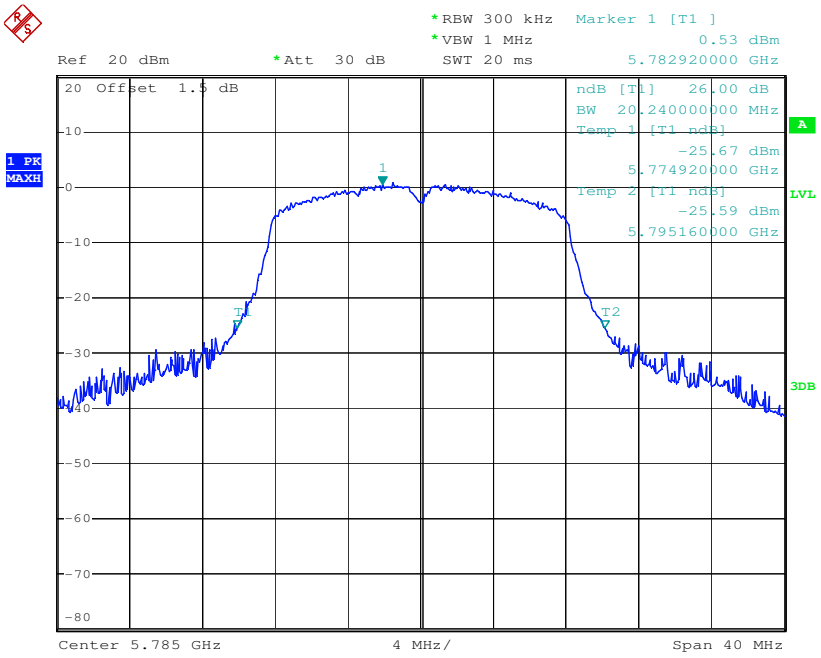
Test mode:	802.11a	Frequency(MHz):	5700



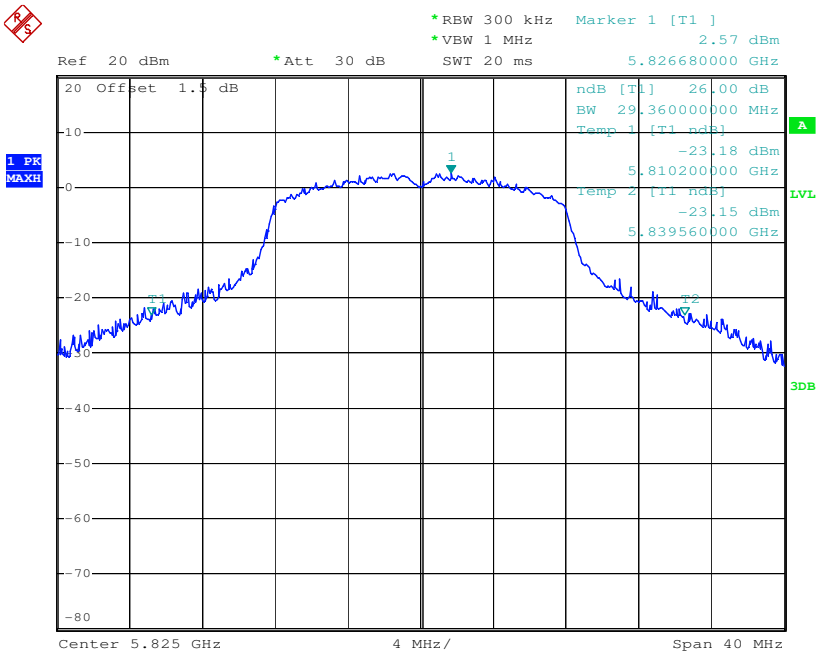
Test mode:	802.11a	Frequency(MHz):	5745



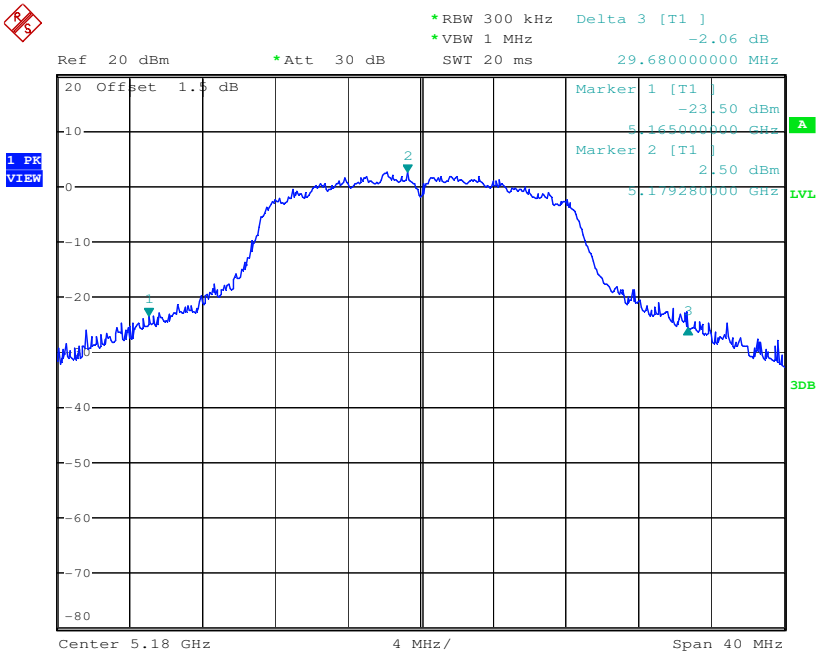
Test mode:	802.11a	Frequency(MHz):	5785



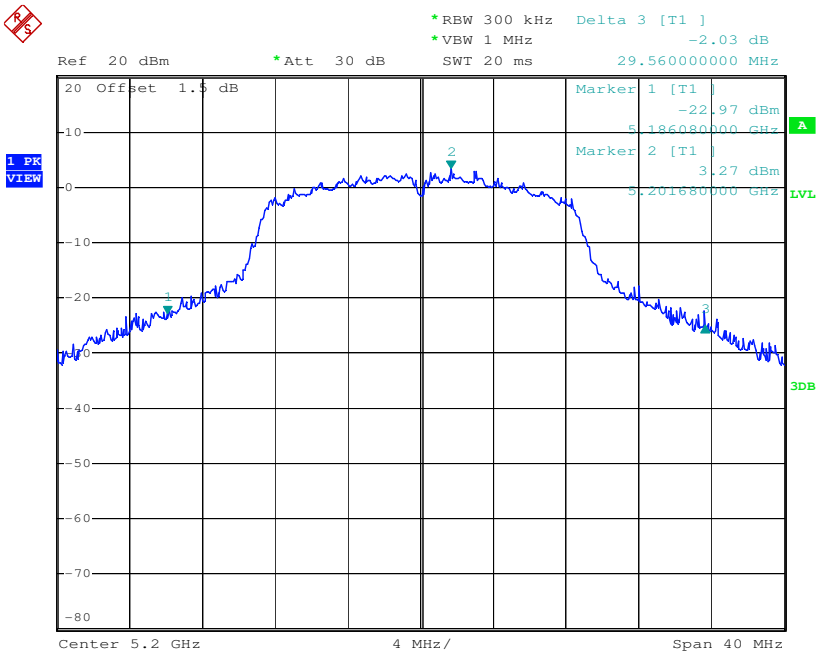
Test mode:	802.11a	Frequency(MHz):	5825



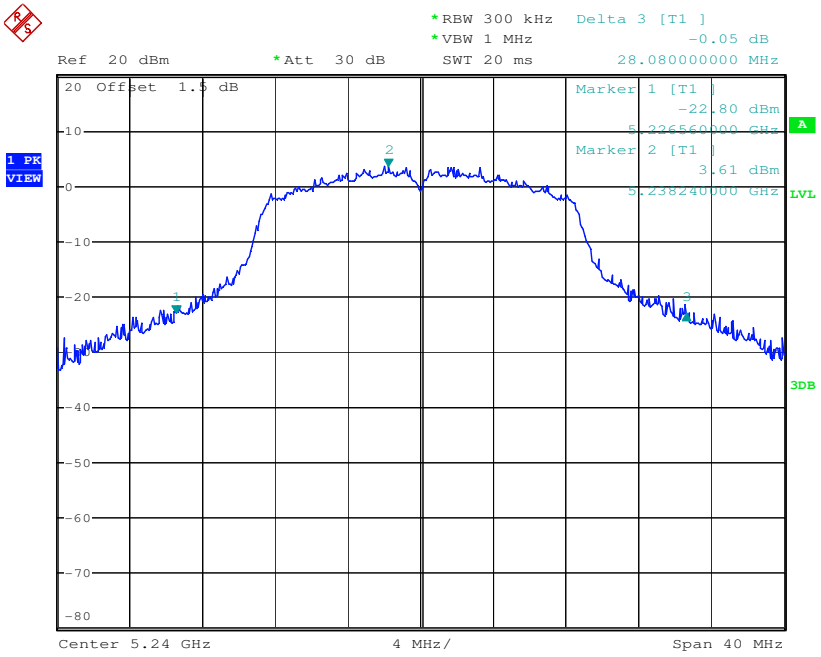
Test mode:	802.11n(HT20)	Frequency(MHz):	5180



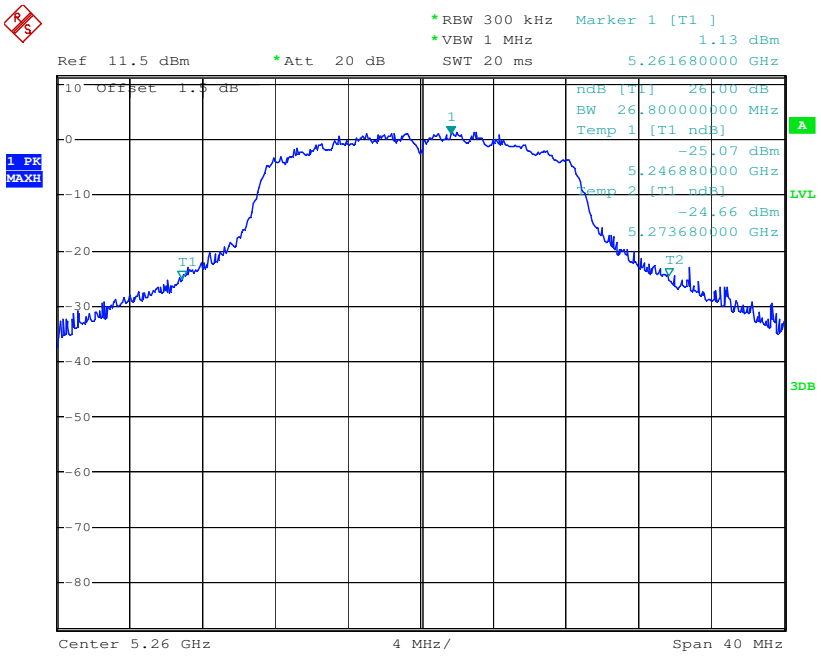
Test mode:	802.11n(HT20)	Frequency(MHz):	5200



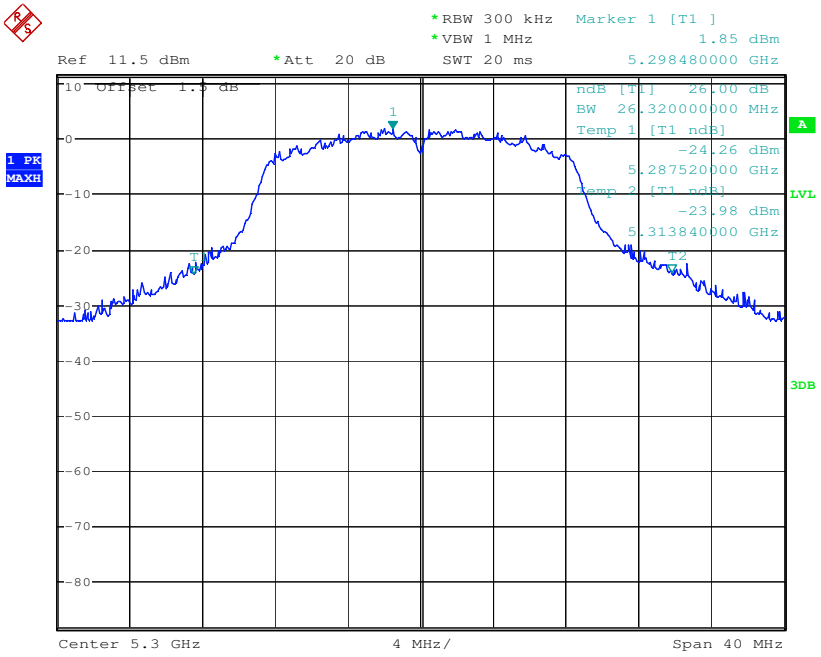
Test mode:	802.11n(HT20)	Frequency(MHz):	5240



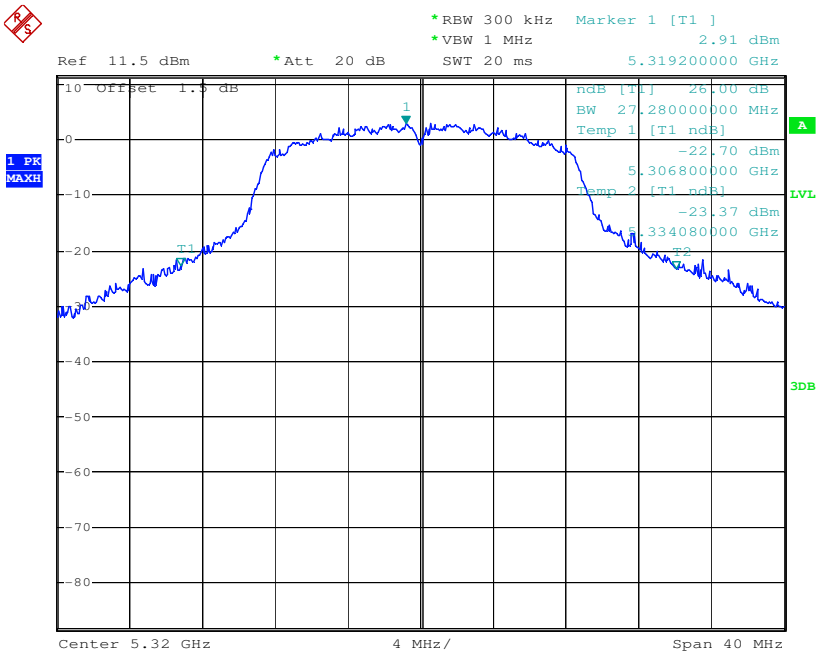
Test mode:	802.11n(HT20)	Frequency(MHz):	5260



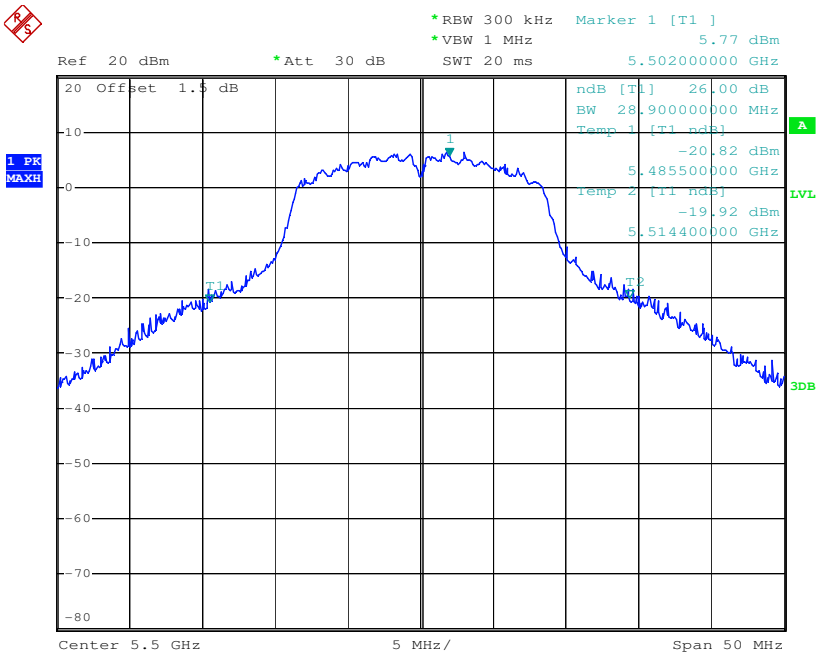
Test mode:	802.11n(HT20)	Frequency(MHz):	5300



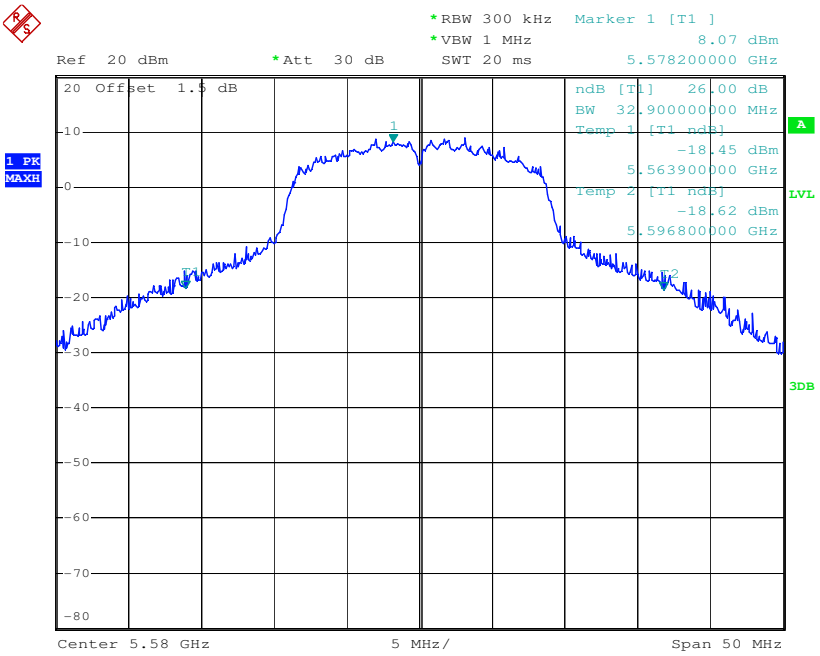
Test mode:	802.11n(HT20)	Frequency(MHz):	5320



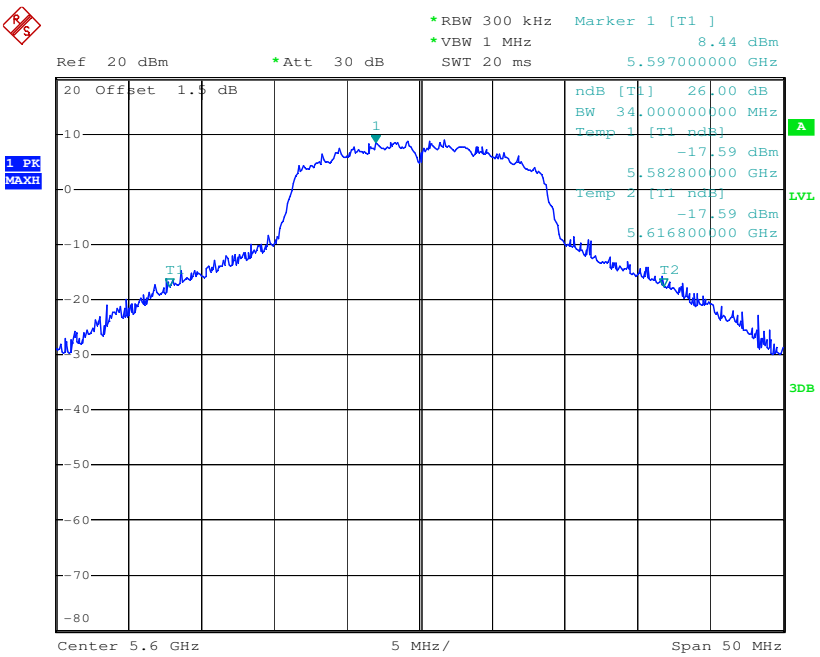
Test mode:	802.11n(HT20)	Frequency(MHz):	5500



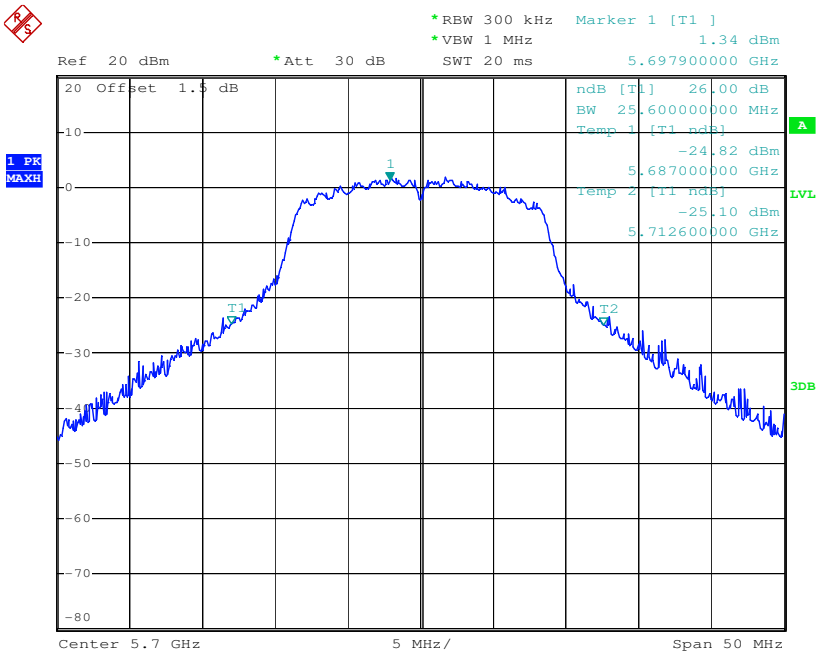
Test mode:	802.11n(HT20)	Frequency(MHz):	5580



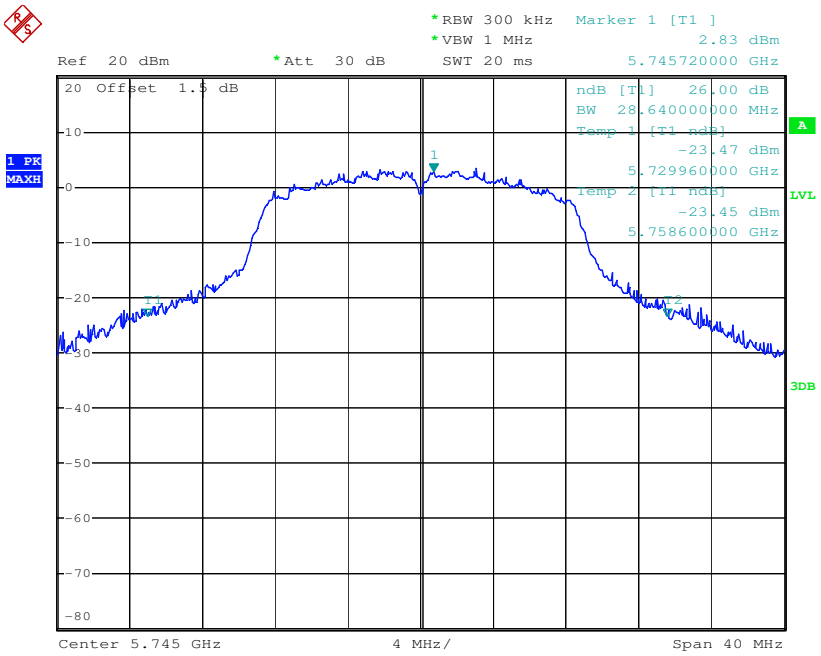
Test mode:	802.11n(HT20)	Frequency(MHz):	5600



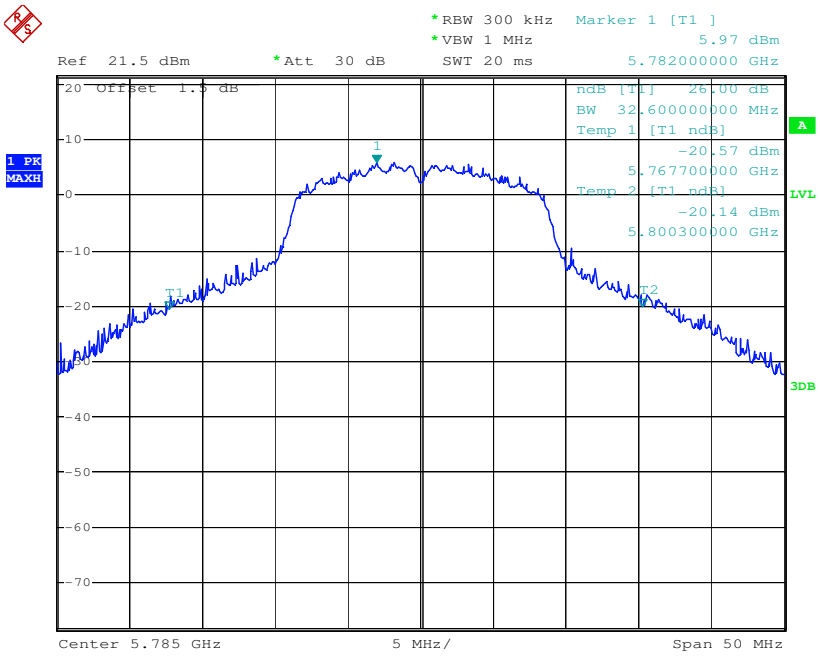
Test mode:	802.11n(HT20)	Frequency(MHz):	5700



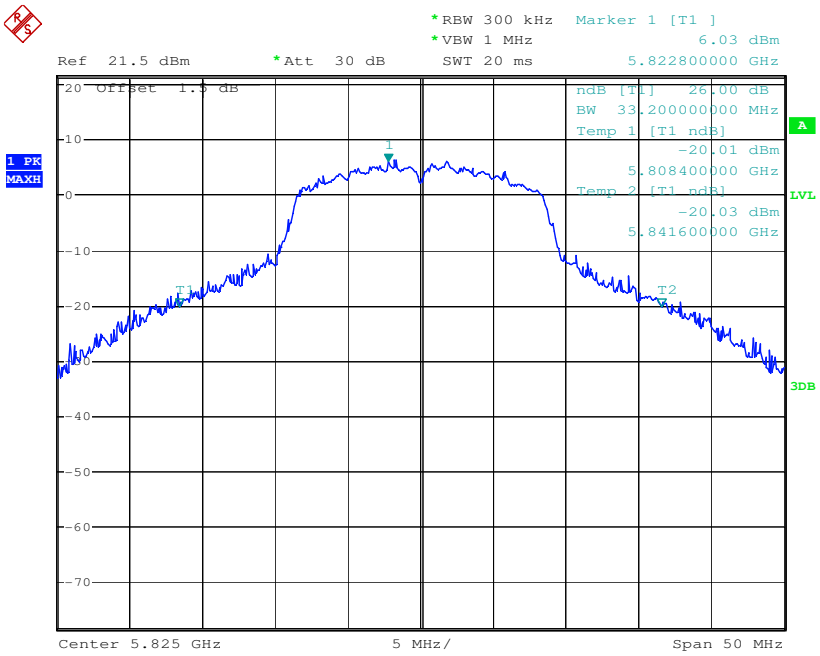
Test mode:	802.11n(HT20)	Frequency(MHz):	5745



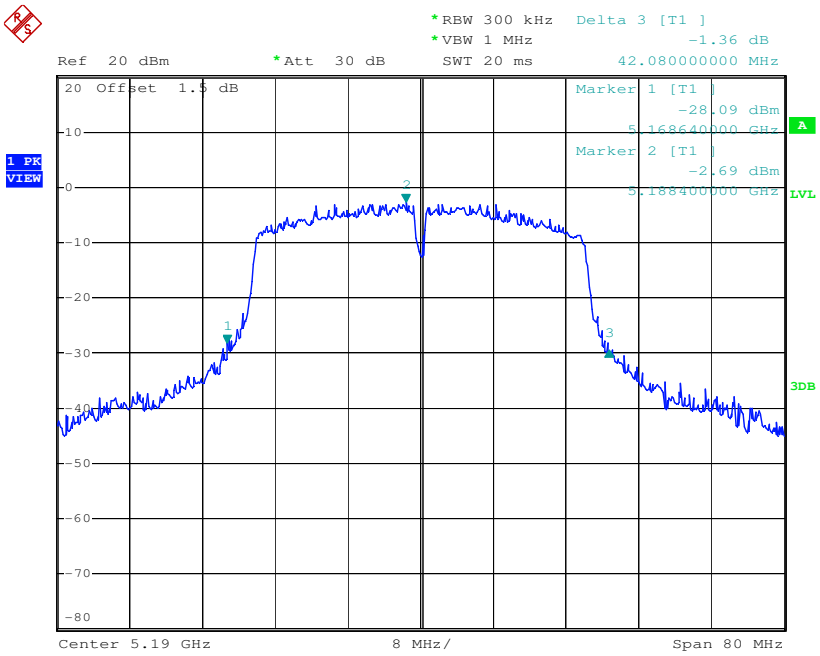
Test mode:	802.11n(HT20)	Frequency(MHz):	5785



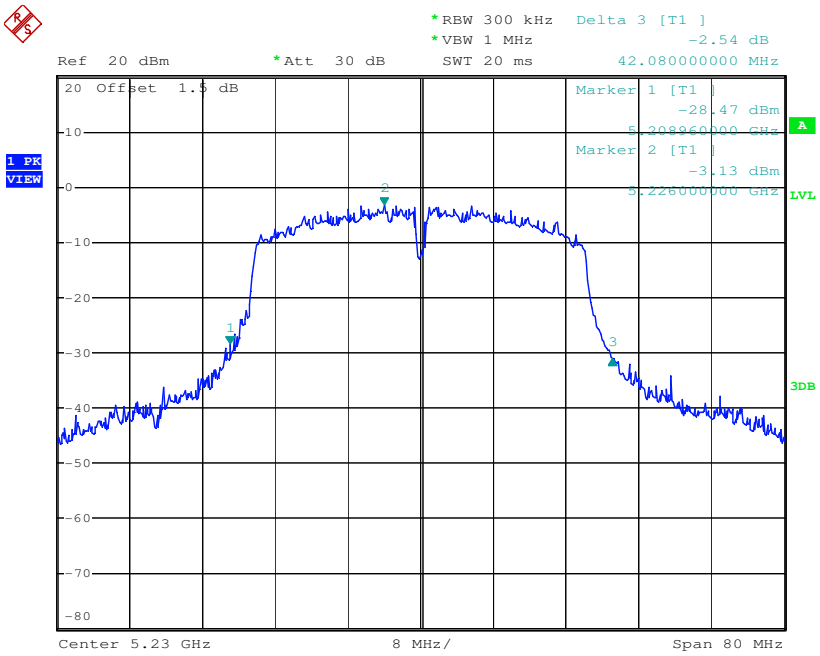
Test mode:	802.11n(HT20)	Frequency(MHz):	5825



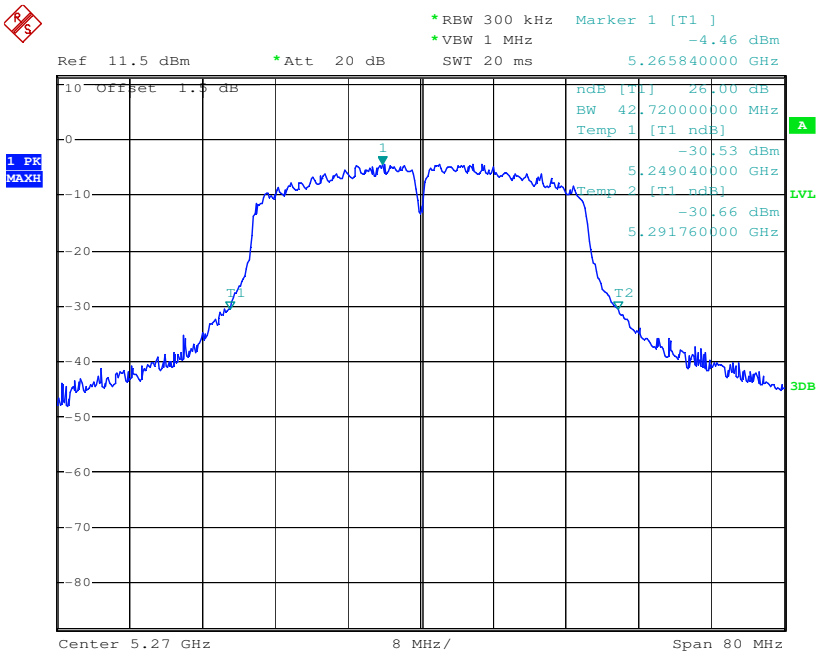
Test mode:	802.11n(HT40)	Frequency(MHz):	5190



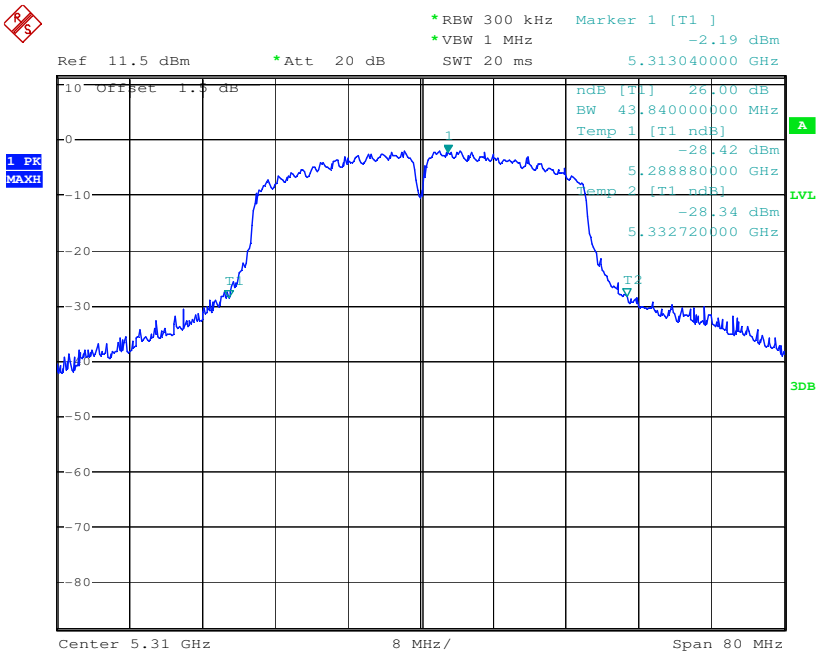
Test mode:	802.11n(HT40)	Frequency(MHz):	5230



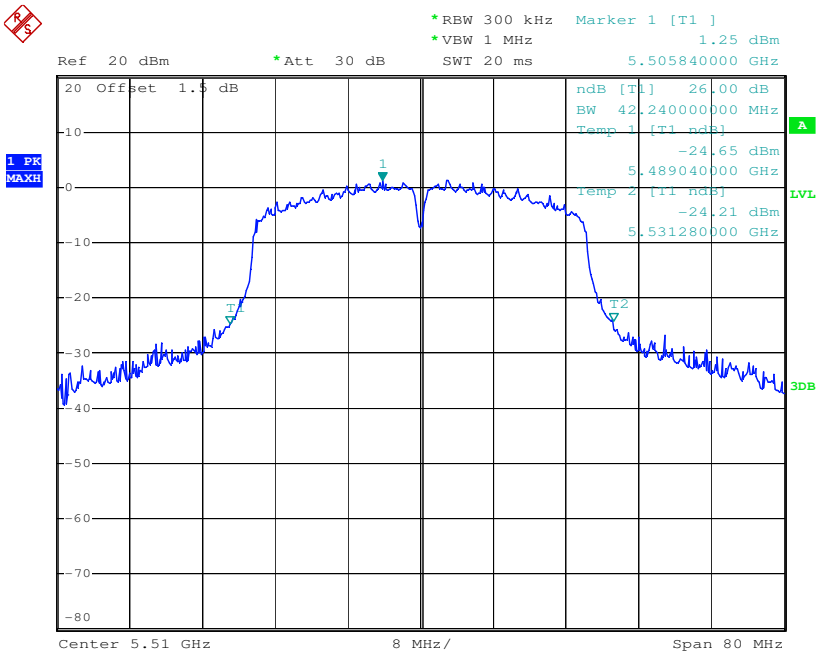
Test mode:	802.11n(HT40)	Frequency(MHz):	5270



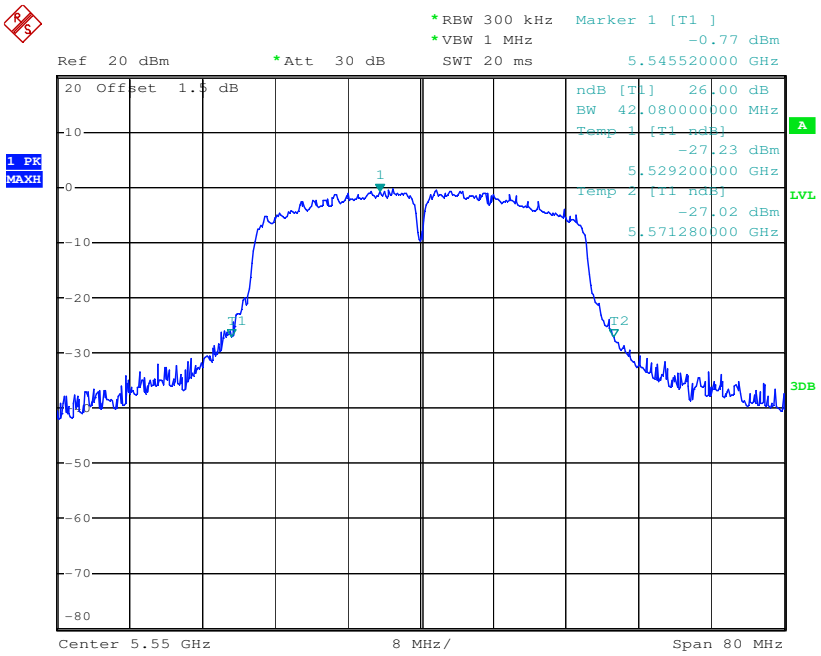
Test mode:	802.11n(HT40)	Frequency(MHz):	5310



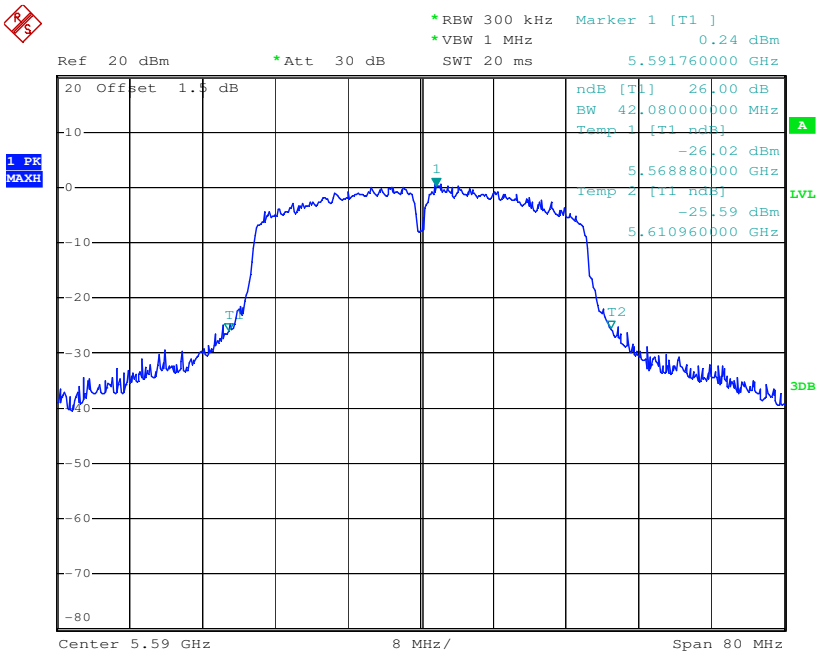
Test mode:	802.11n(HT40)	Frequency(MHz):	5510



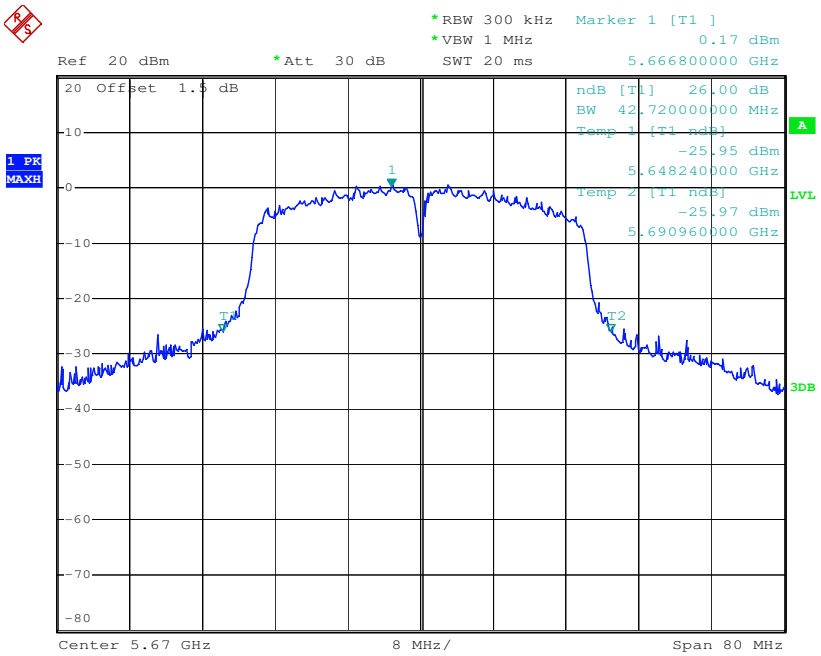
Test mode:	802.11n(HT40)	Frequency(MHz):	5550



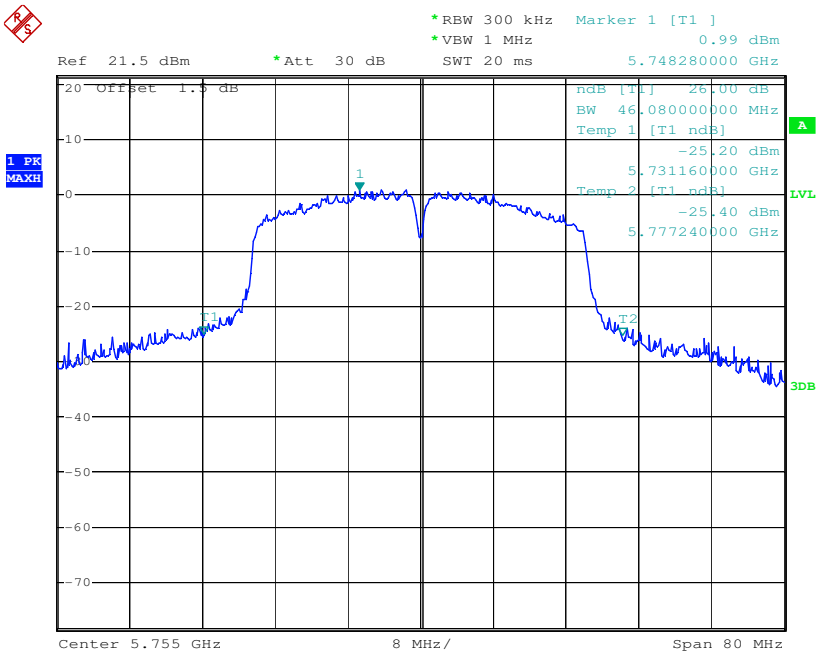
Test mode:	802.11n(HT40)	Frequency(MHz):	5590



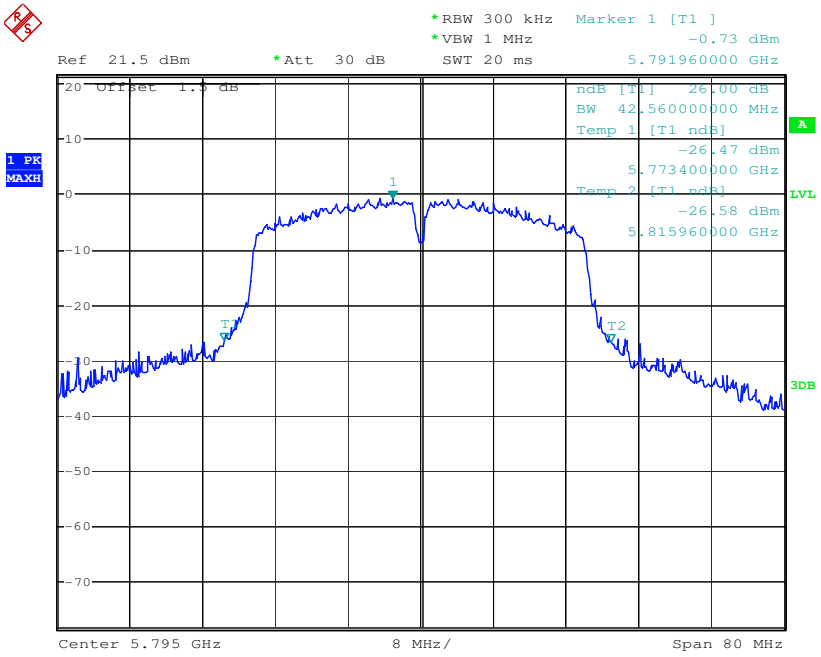
Test mode:	802.11n(HT40)	Frequency(MHz):	5670



Test mode:	802.11n(HT40)	Frequency(MHz):	5755



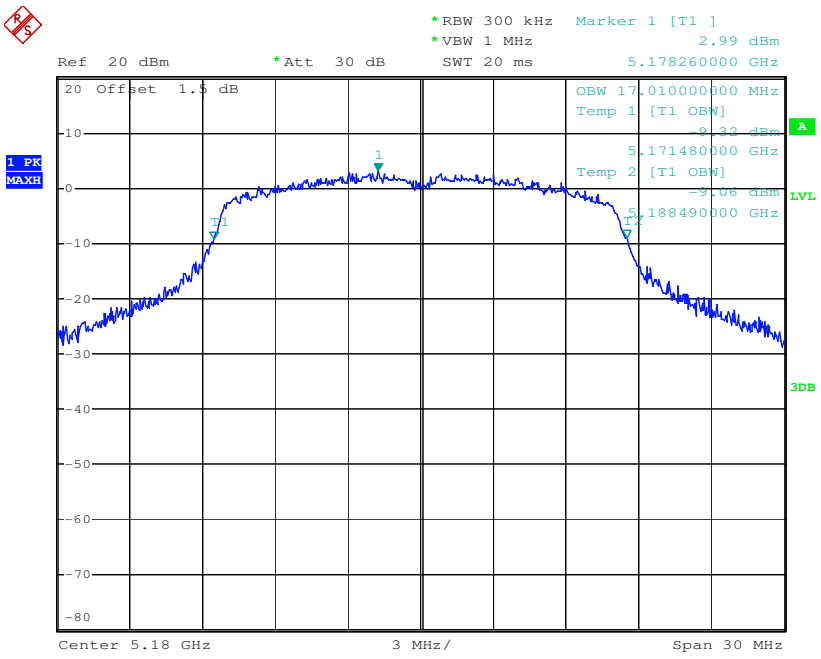
Test mode:	802.11n(HT40)	Frequency(MHz):	5795



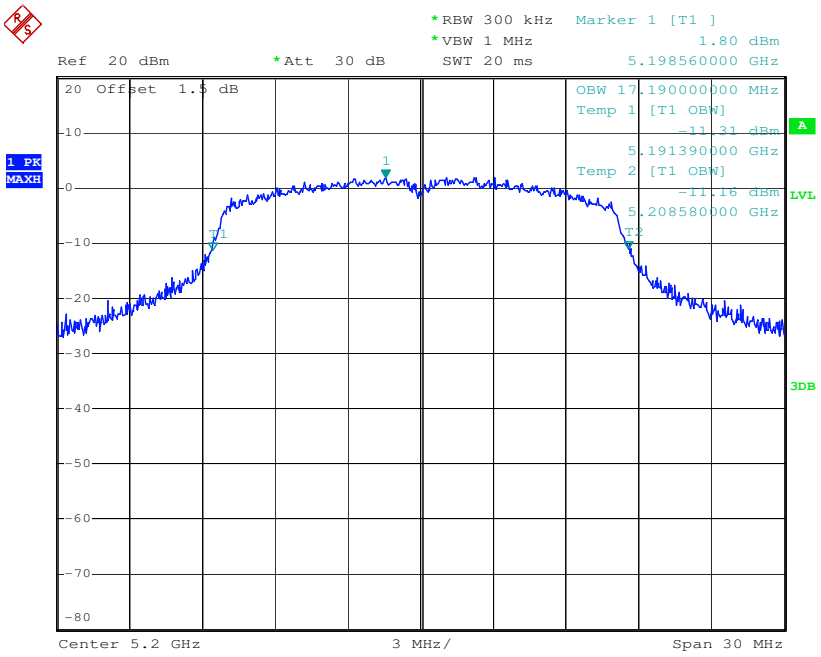
99% occupied bandwidth

Test plot as follows:

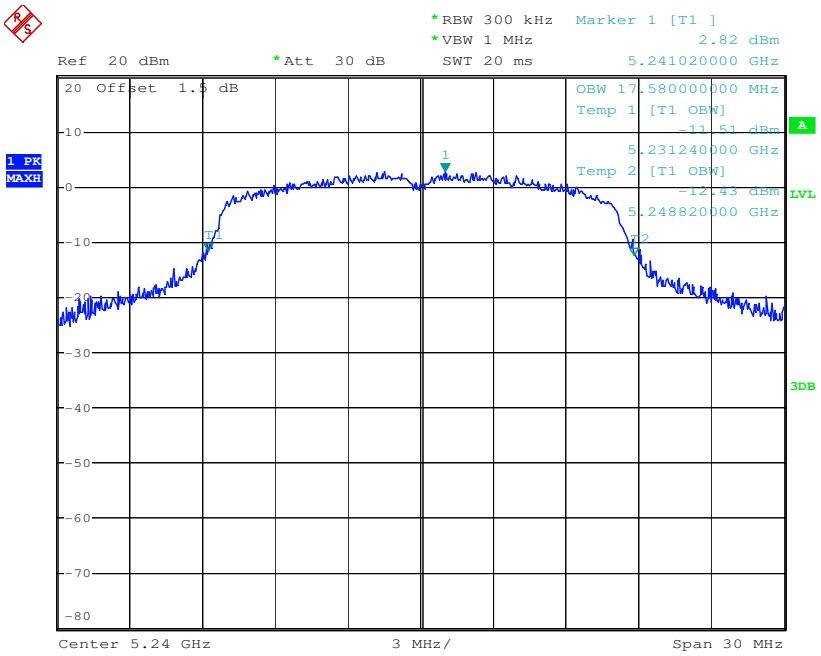
Test mode:	802.11a	Frequency(MHz):	5180



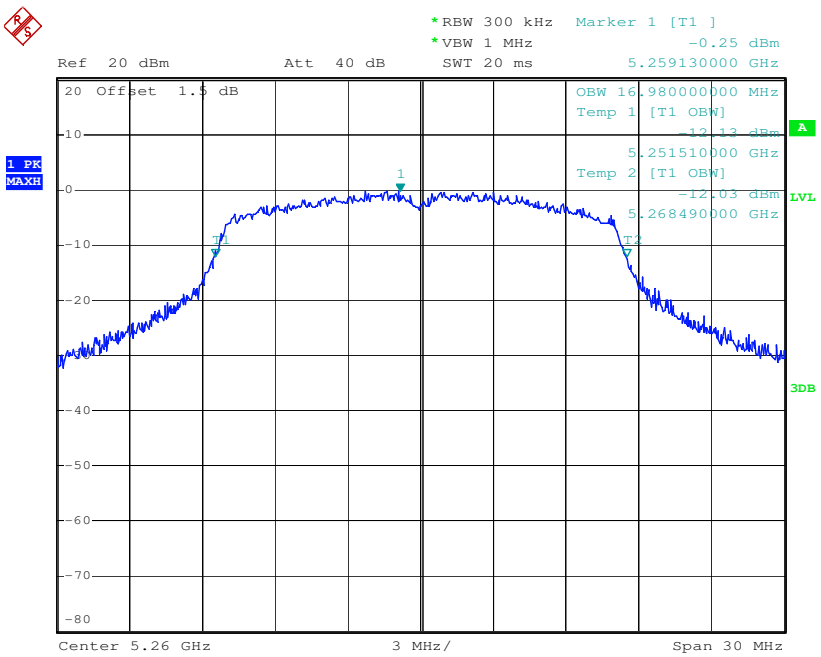
Test mode:	802.11a	Frequency(MHz):	5200



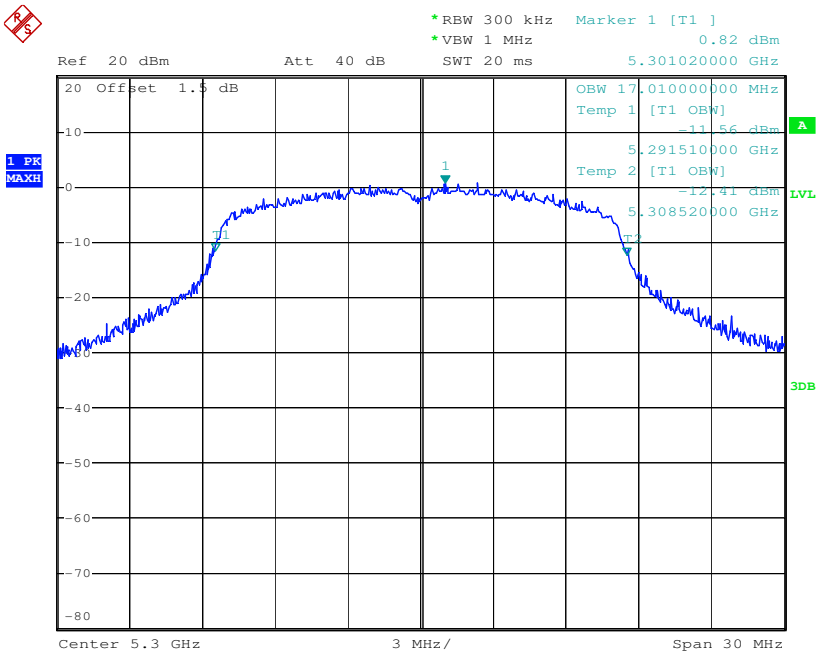
Test mode:	802.11a	Frequency(MHz):	5240



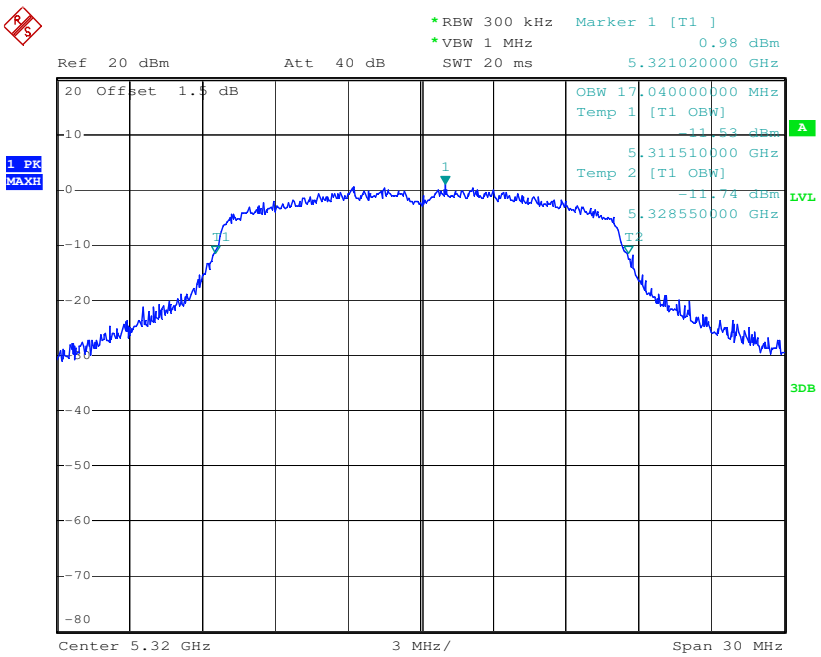
Test mode:	802.11a	Frequency(MHz):	5260



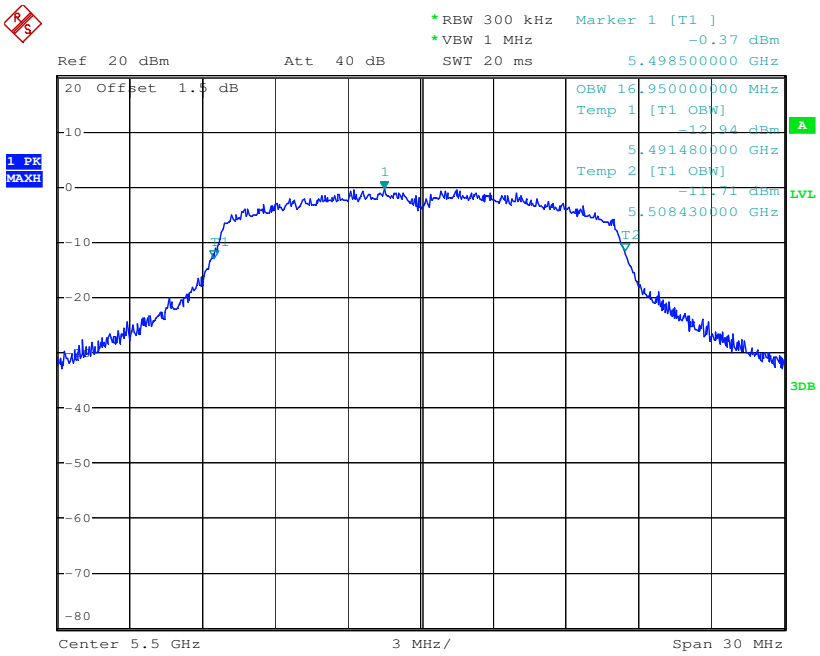
Test mode:	802.11a	Frequency(MHz):	5300



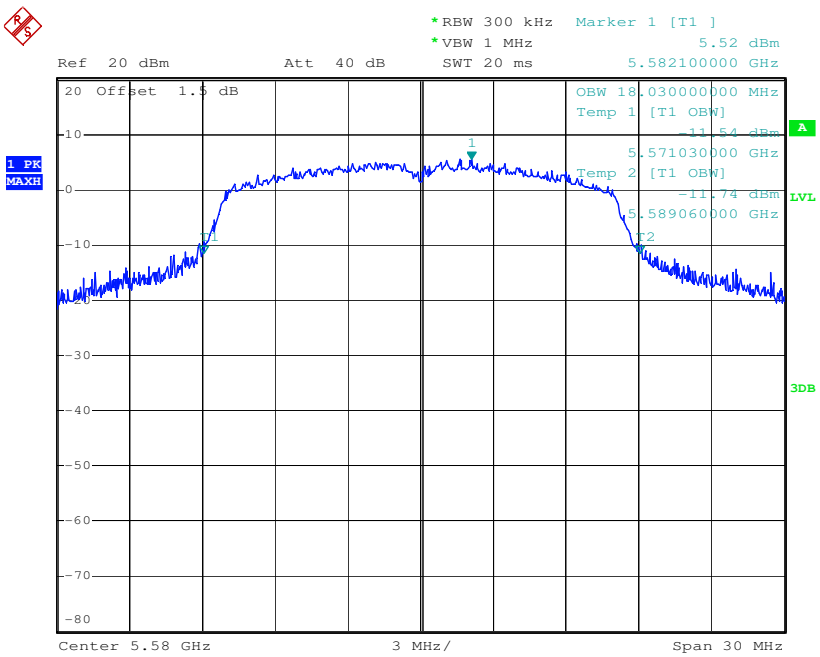
Test mode:	802.11a	Frequency(MHz):	5320



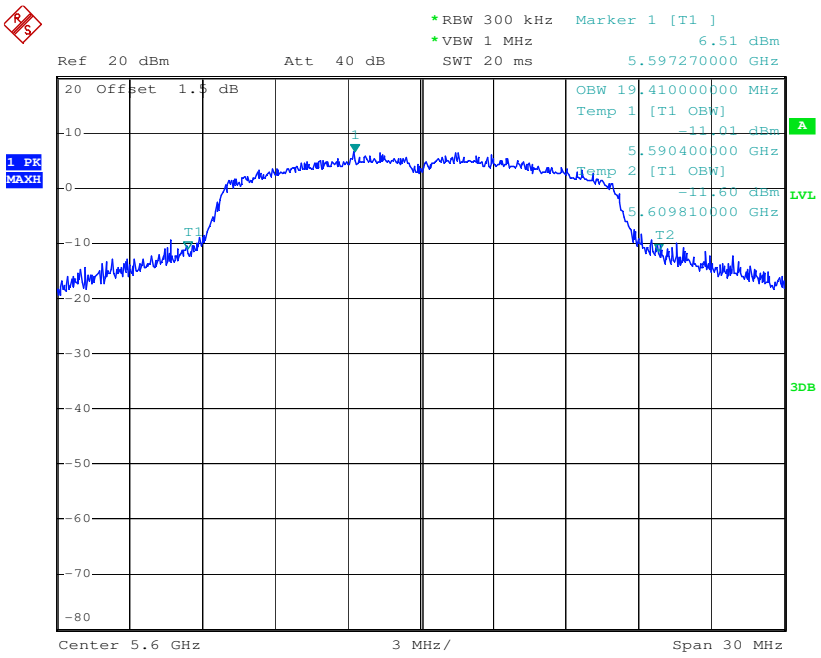
Test mode:	802.11a	Frequency(MHz):	5500



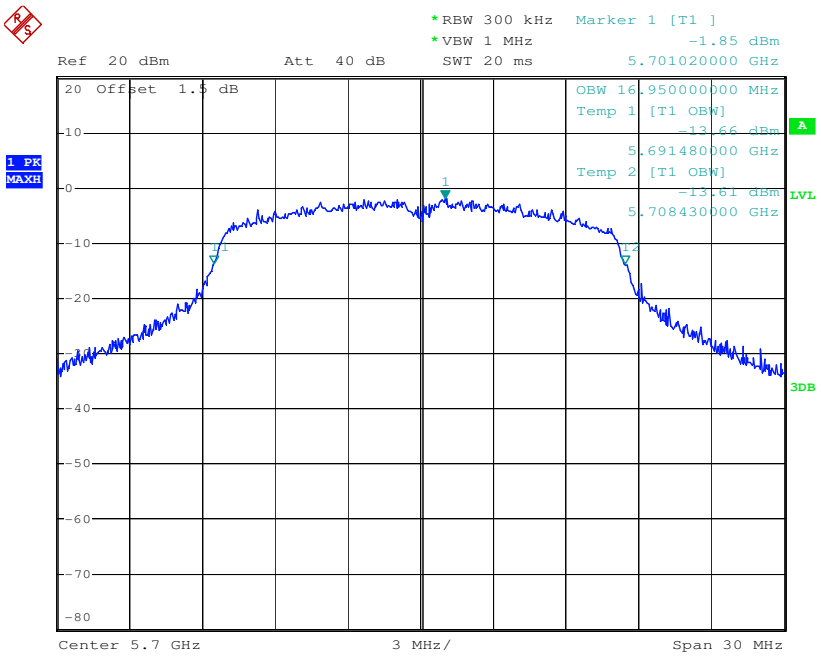
Test mode:	802.11a	Frequency(MHz):	5580



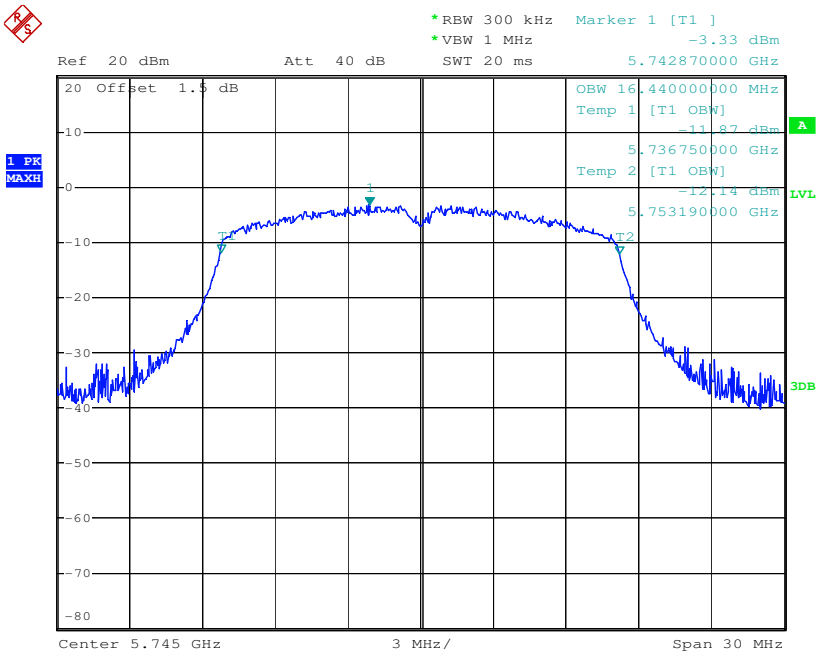
Test mode:	802.11a	Frequency(MHz):	5600



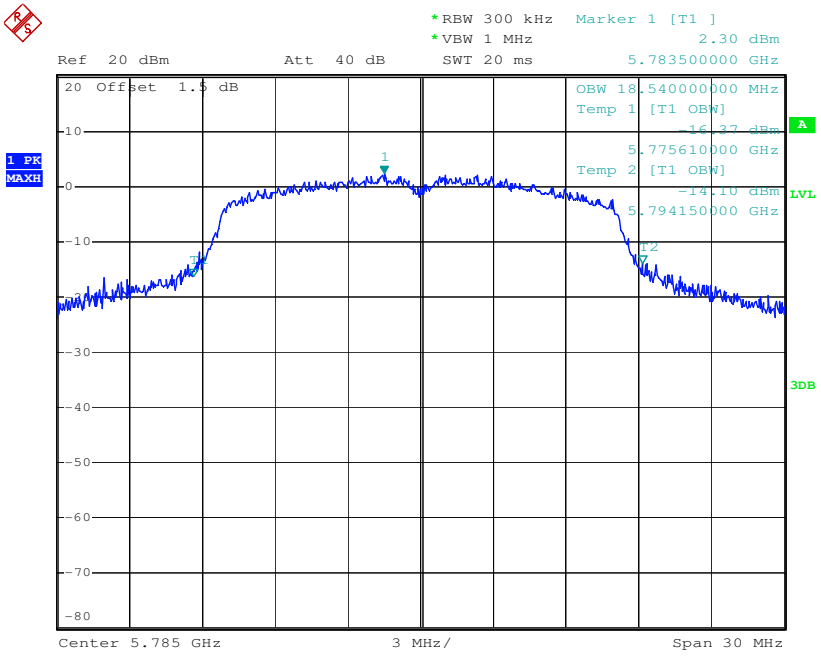
Test mode:	802.11a	Frequency(MHz):	5700



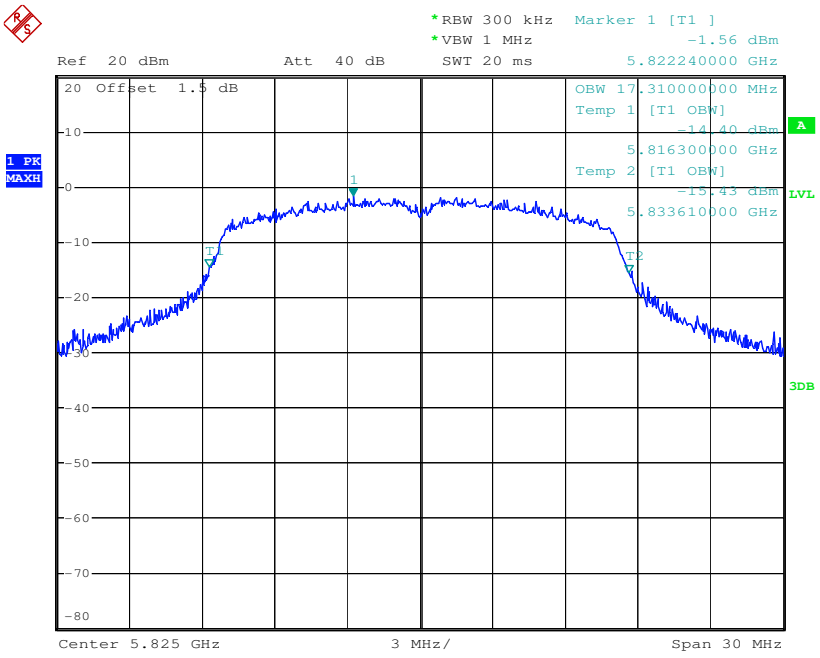
Test mode:	802.11a	Frequency(MHz):	5745



Test mode:	802.11a	Frequency(MHz):	5785

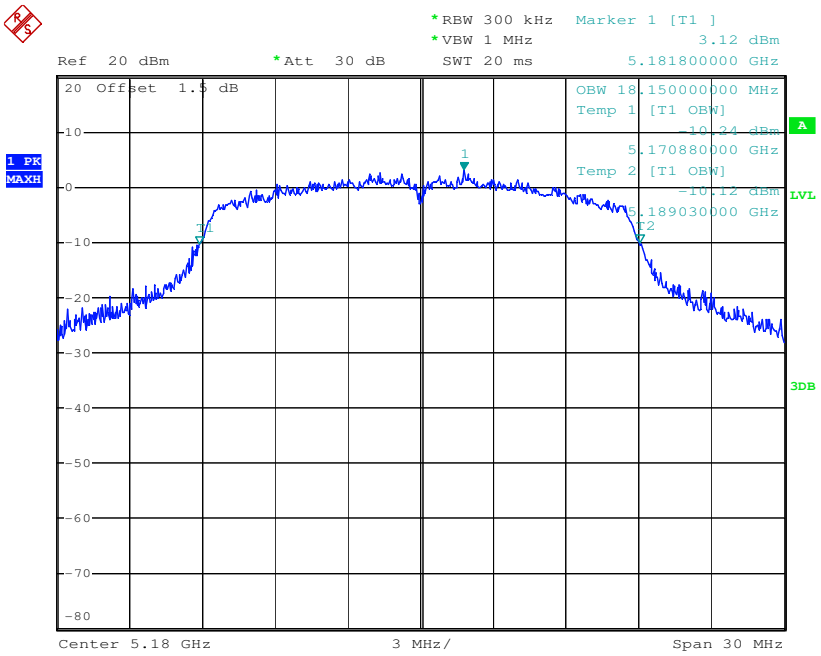


Test mode:	802.11a	Frequency(MHz):	5825

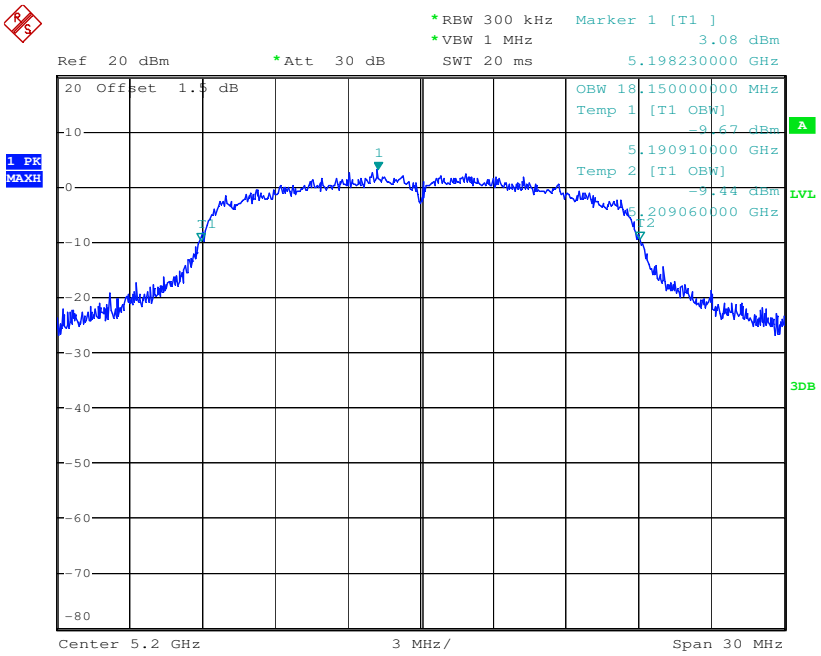


1

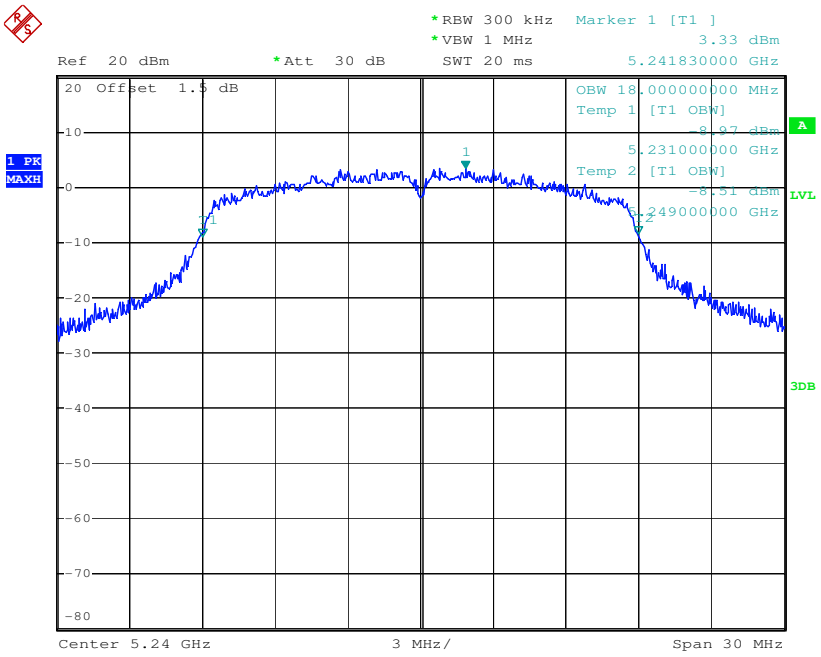
Test mode:	802.11n(HT20)	Frequency(MHz):	5180



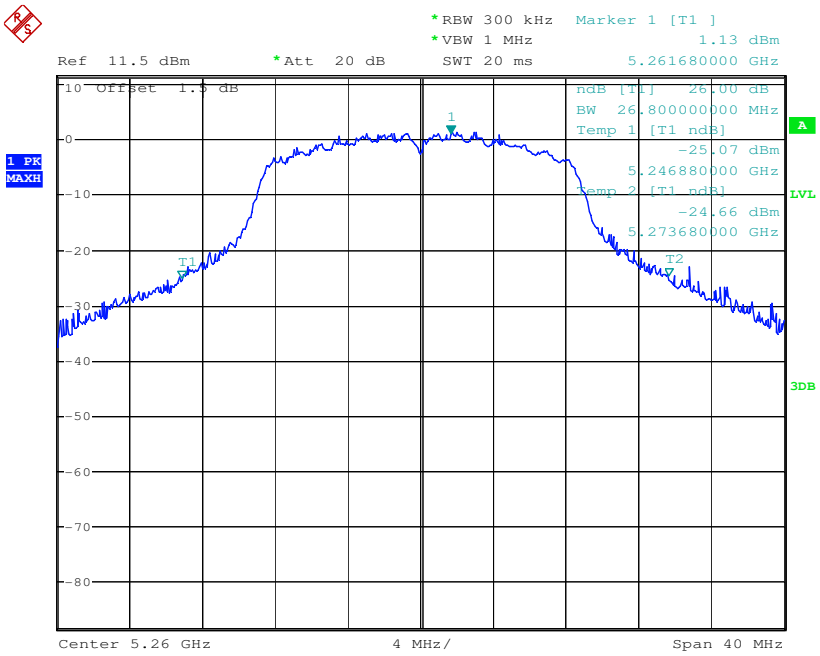
Test mode:	802.11n(HT20)	Frequency(MHz):	5200



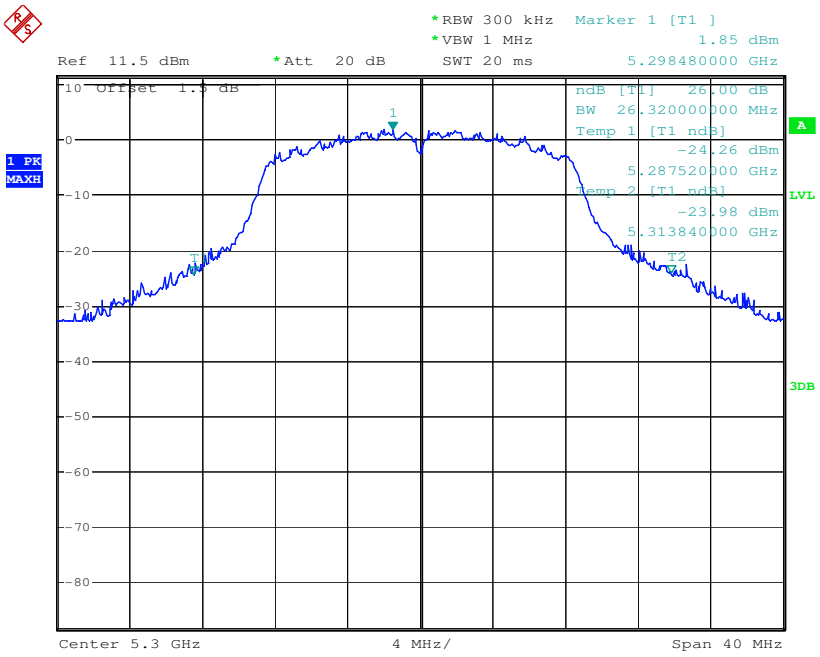
Test mode:	802.11n(HT20)	Frequency(MHz):	5240



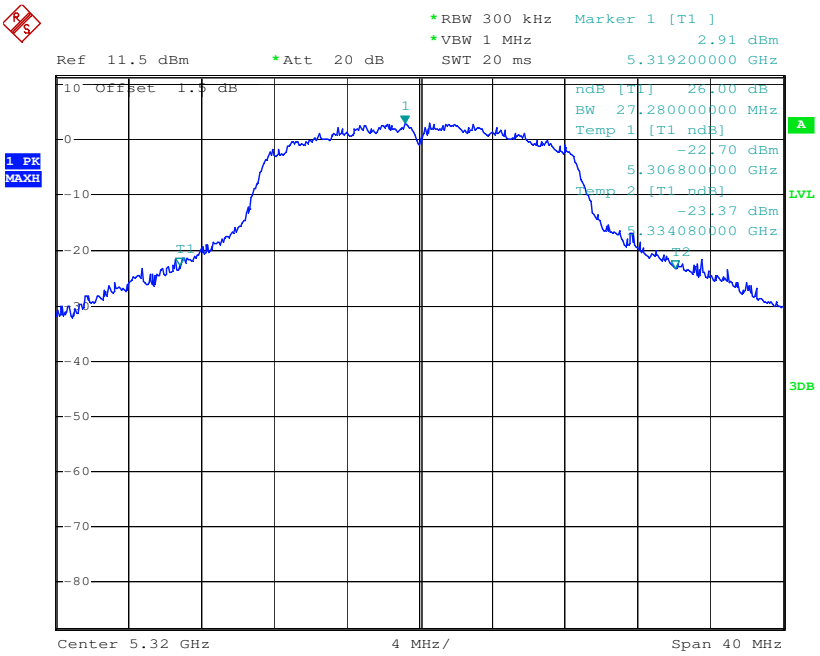
Test mode:	802.11n(HT20)	Frequency(MHz):	5260



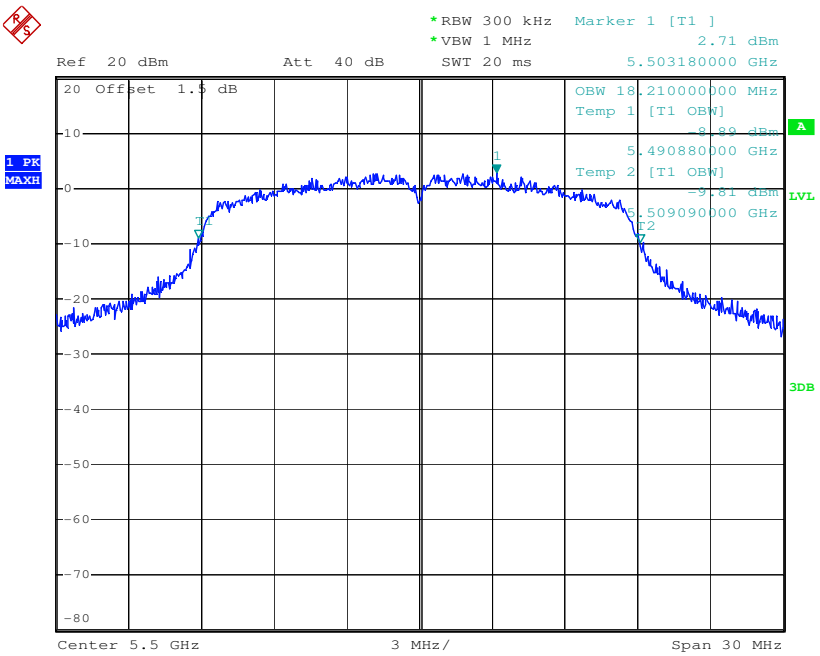
Test mode:	802.11n(HT20)	Frequency(MHz):	5300



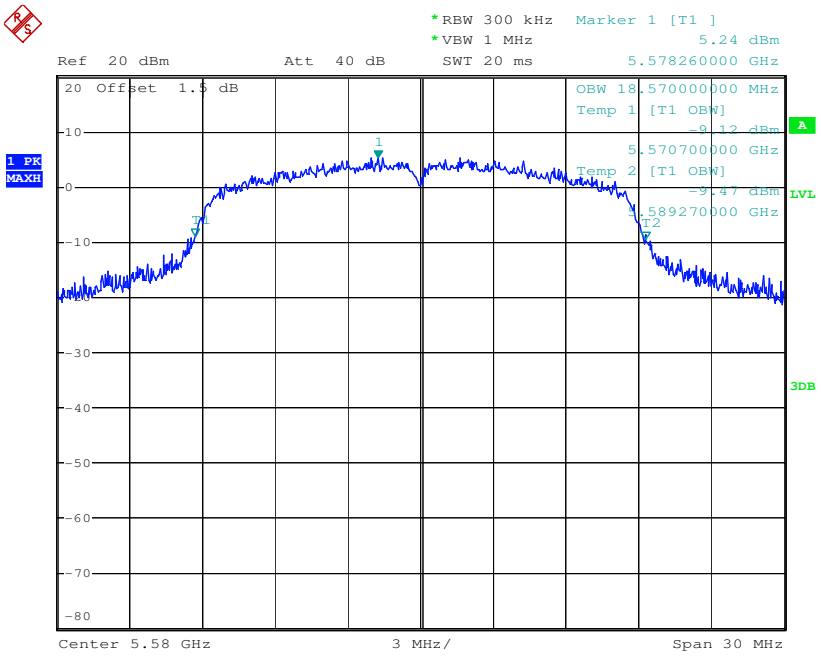
Test mode:	802.11n(HT20)	Frequency(MHz):	5320



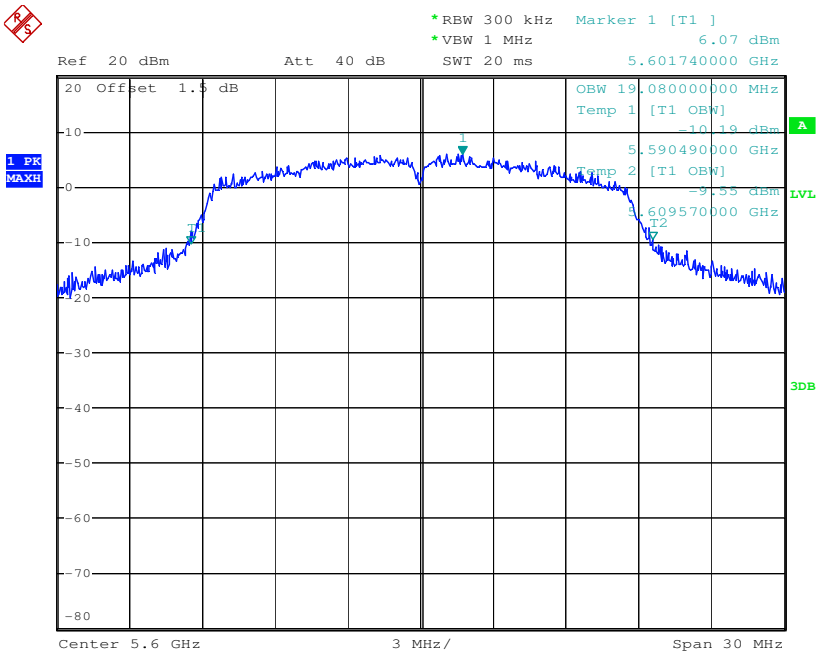
Test mode:	802.11n(HT20)	Frequency(MHz):	5500



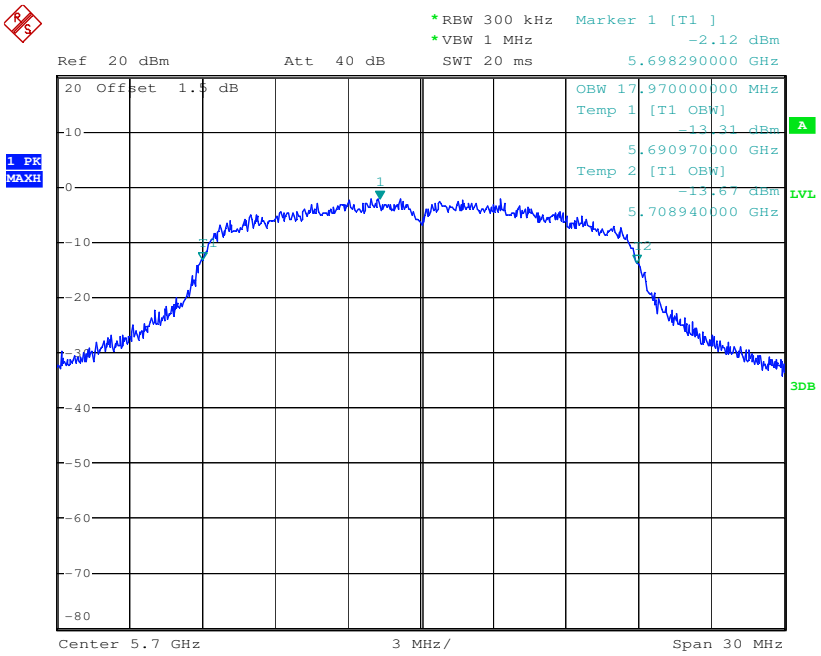
Test mode:	802.11n(HT20)	Frequency(MHz):	5580



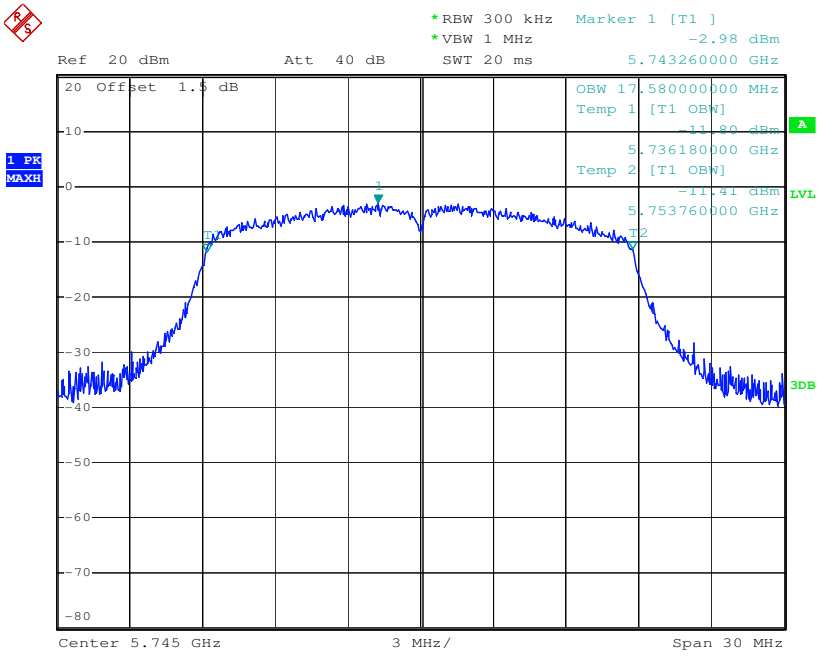
Test mode:	802.11n(HT20)	Frequency(MHz):	5600



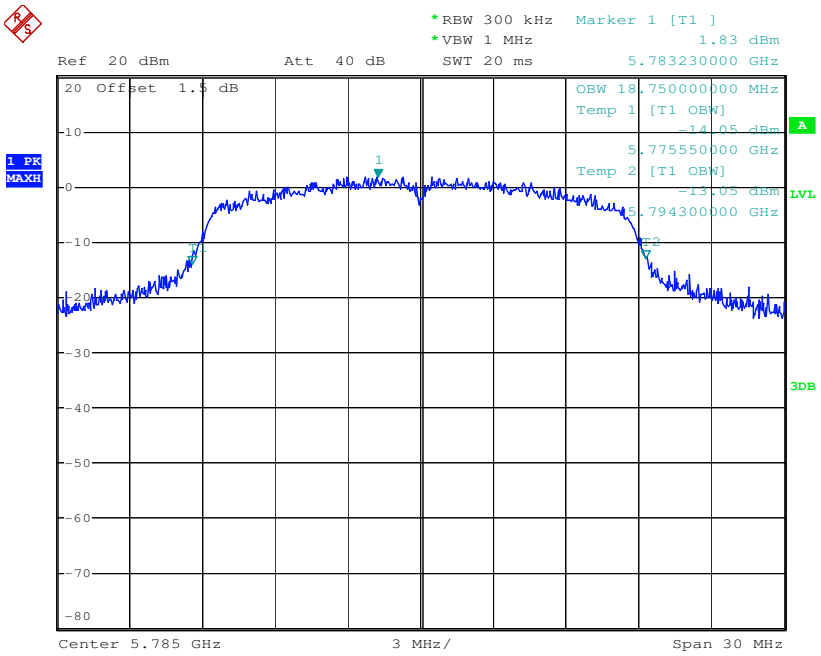
Test mode:	802.11n(HT20)	Frequency(MHz):	5700



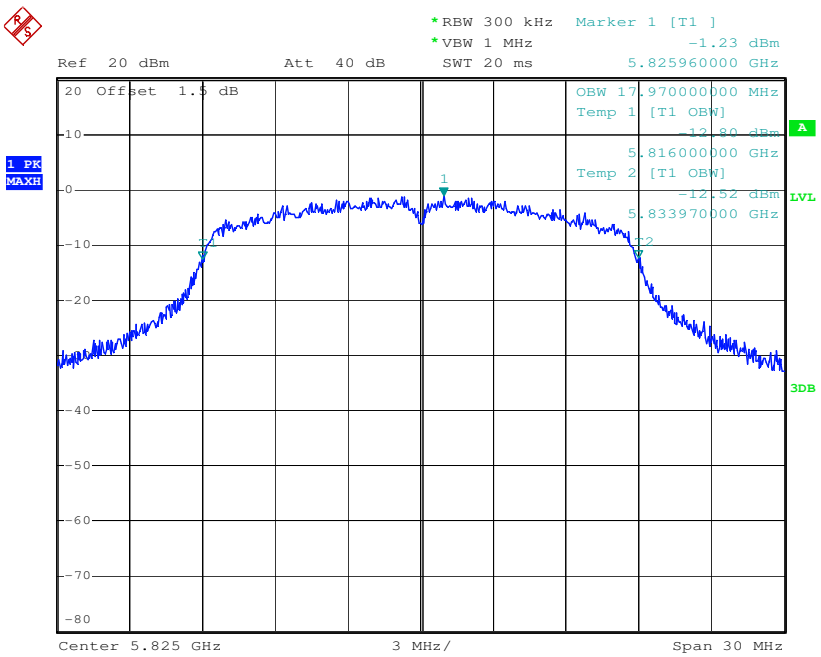
Test mode:	802.11n(HT20)	Frequency(MHz):	5745



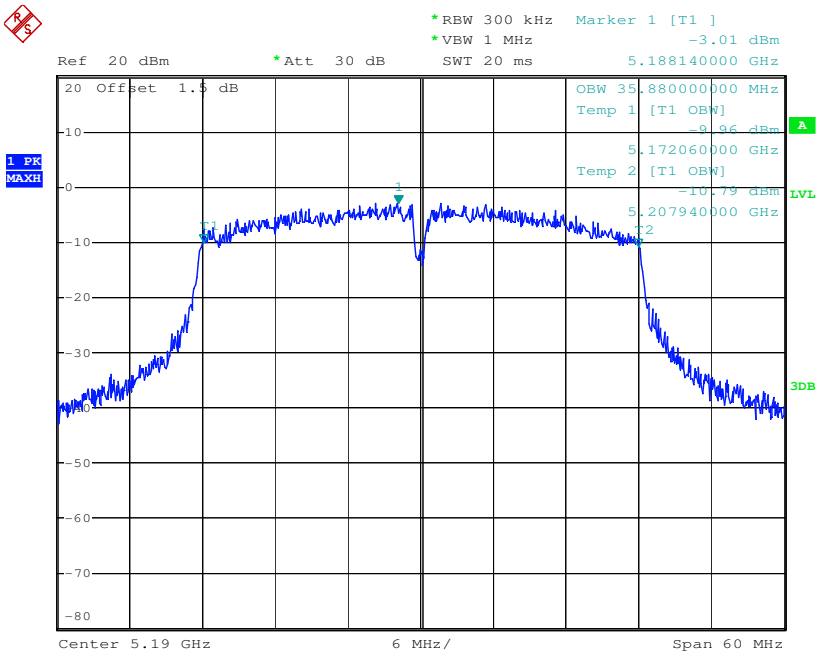
Test mode:	802.11n(HT20)	Frequency(MHz):	5785



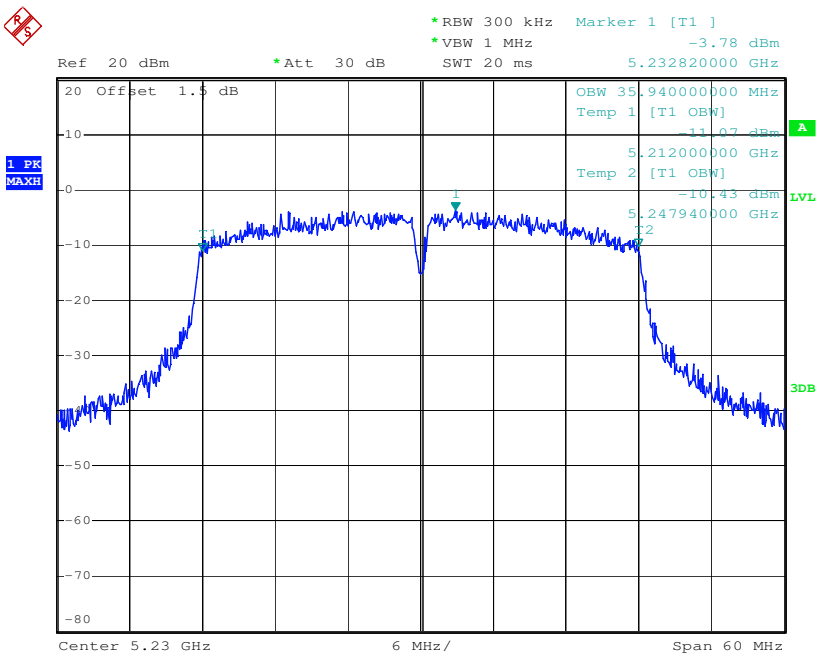
Test mode:	802.11n(HT20)	Frequency(MHz):	5825



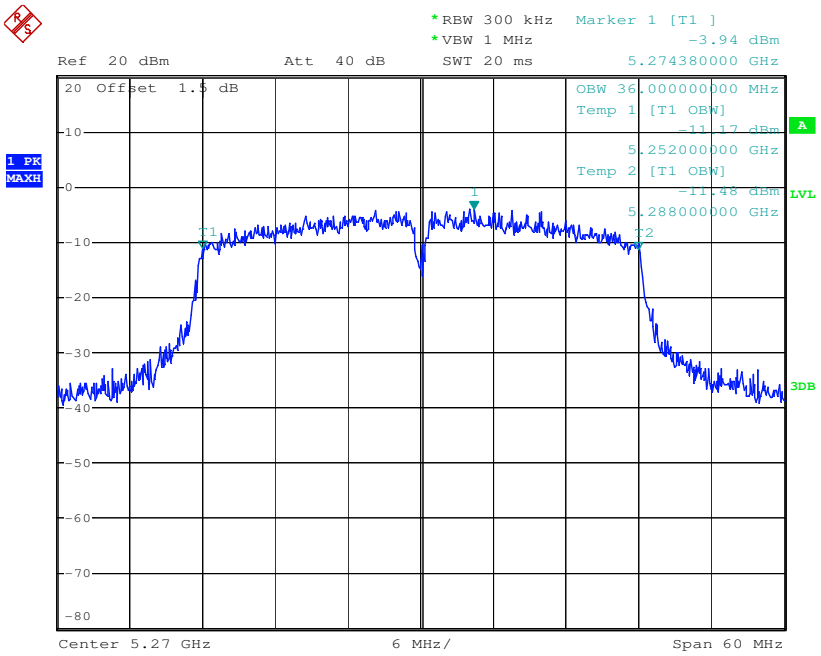
Test mode:	802.11n(HT40)	Frequency(MHz):	5190



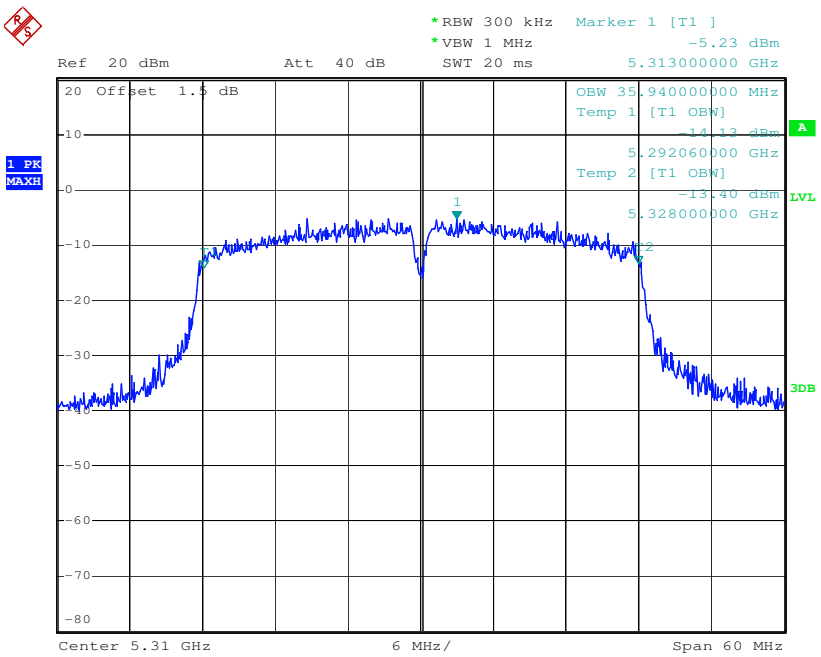
Test mode:	802.11n(HT40)	Frequency(MHz):	5230



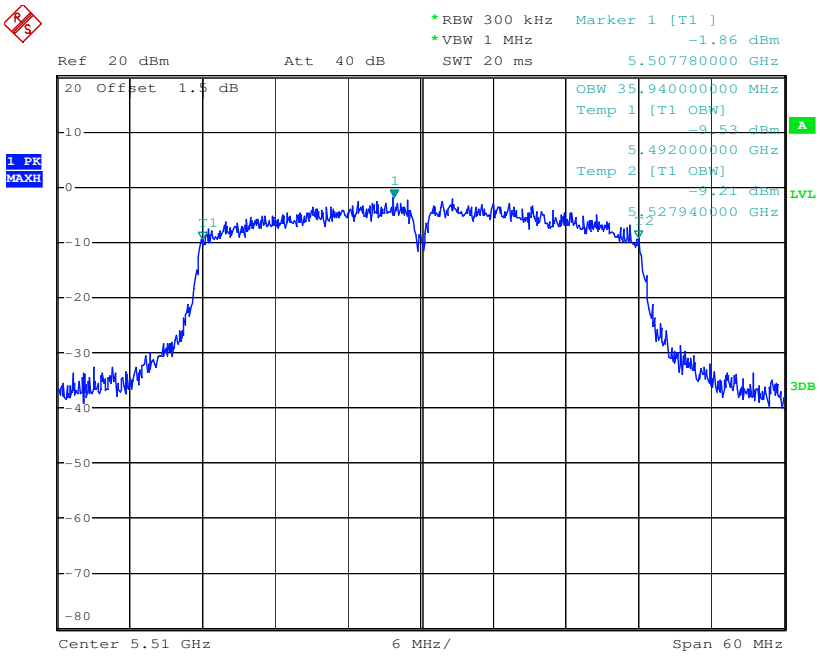
Test mode:	802.11n(HT40)	Frequency(MHz):	5270



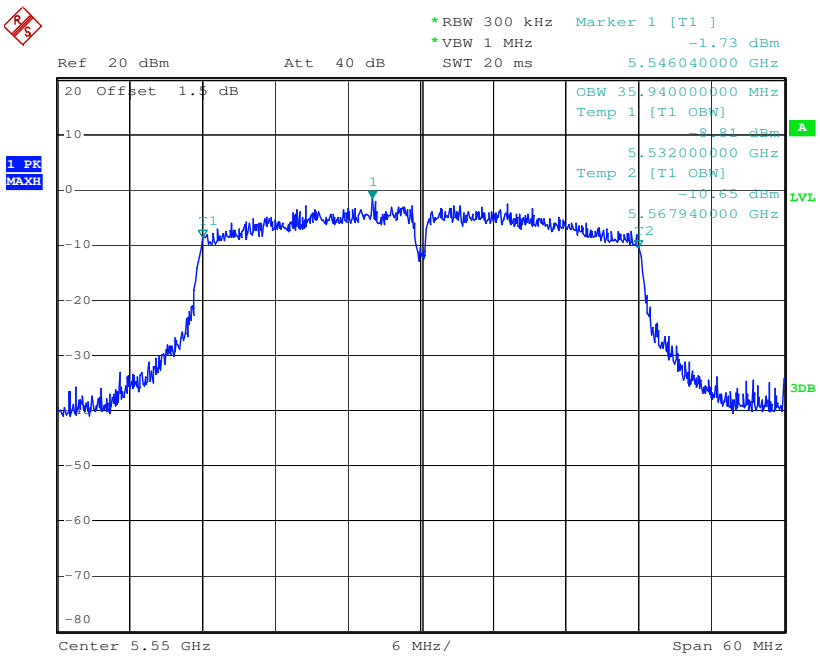
Test mode:	802.11n(HT40)	Frequency(MHz):	5310



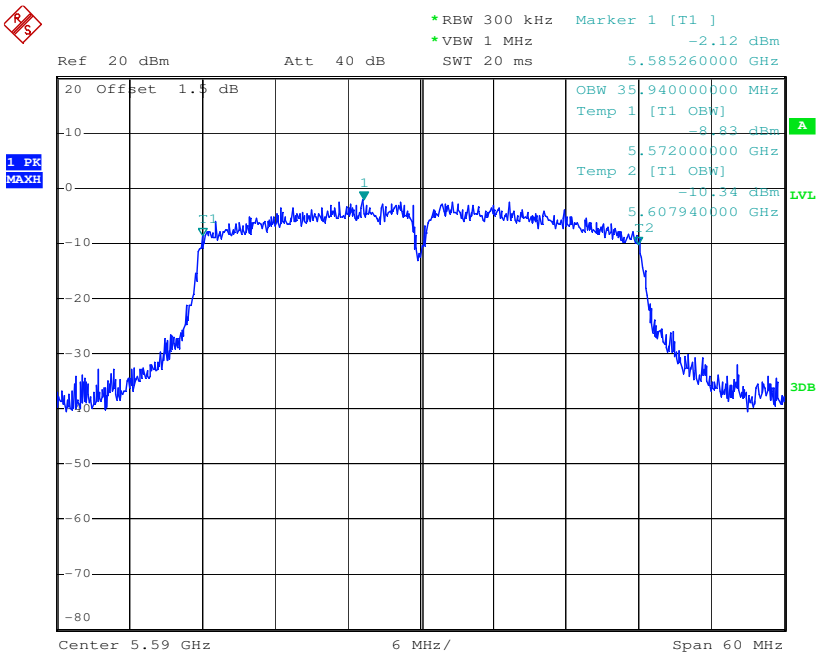
Test mode:	802.11n(HT40)	Frequency(MHz):	5510



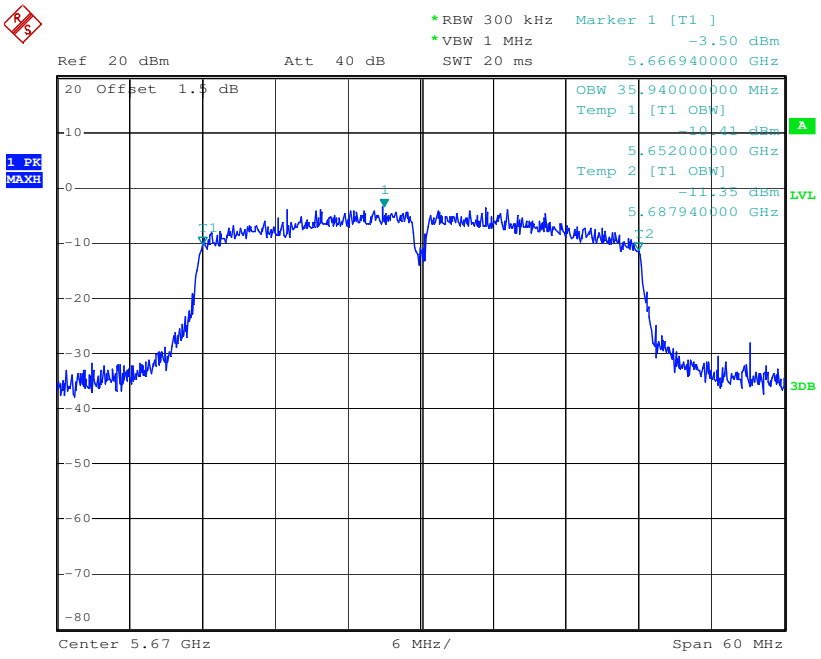
Test mode:	802.11n(HT40)	Frequency(MHz):	5550



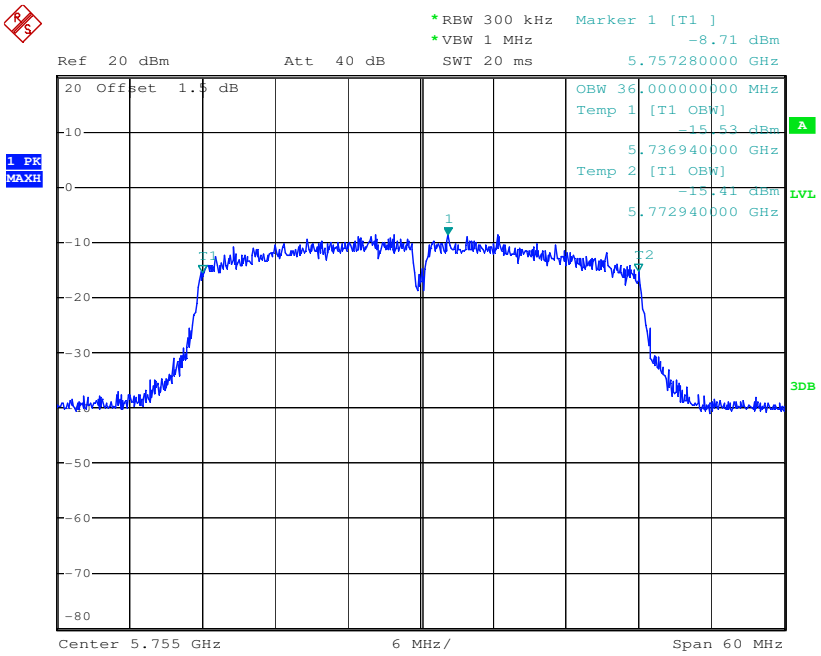
Test mode:	802.11n(HT40)	Frequency(MHz):	5590



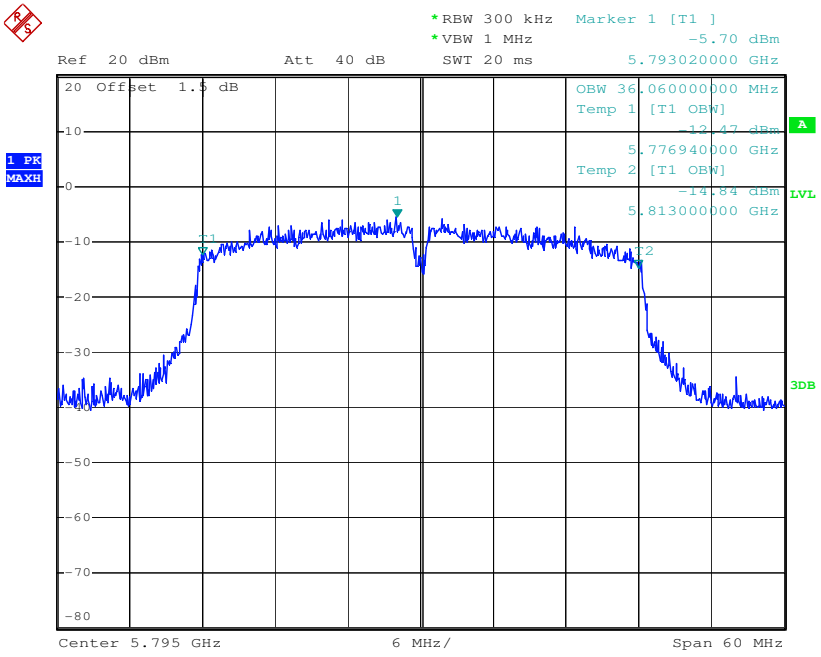
Test mode:	802.11n(HT40)	Frequency(MHz):	5670



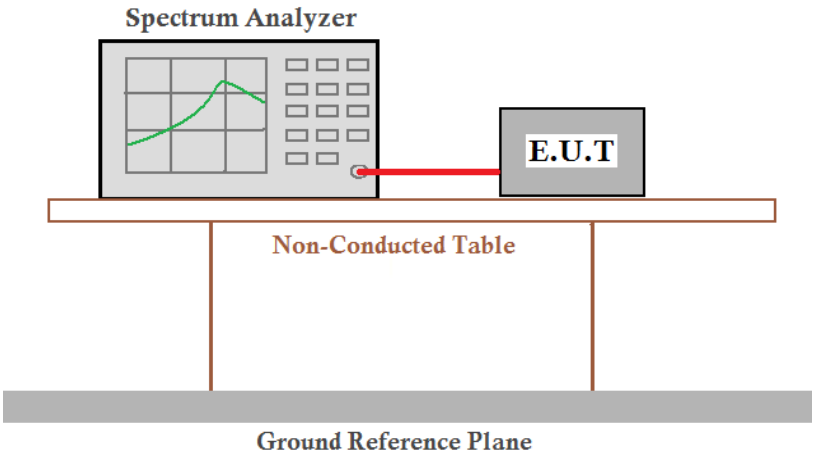
Test mode:	802.11n(HT40)	Frequency(MHz):	5755



Test mode:	802.11n(HT40)	Frequency(MHz):	5795



6.5 6dB Emission Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(e)	
Test Method:	ANSI C63.10: 2013	
Test Setup:		
Instruments Used:	Refer to section 5.10 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCSO of rate is the worst case of 802.11n(HT20); MCSO of rate is the worst case of 802.11n(HT40); Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5725-5850MHz	At lease 500kHz
Test Results:	Pass	

Measurement Data:

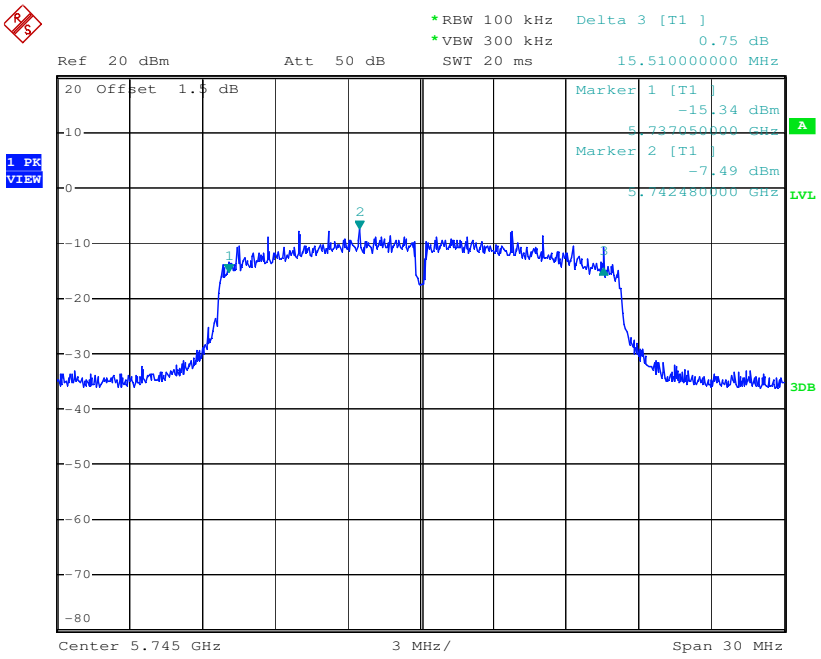
802.11a mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (KHz)	Result
5745	15.510	≥500	Pass
5785	15.120	≥500	Pass
5825	14.220	≥500	Pass

802.11n(HT20) mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (KHz)	Result
5745	15.030	≥500	Pass
5785	15.090	≥500	Pass
5825	15.150	≥500	Pass

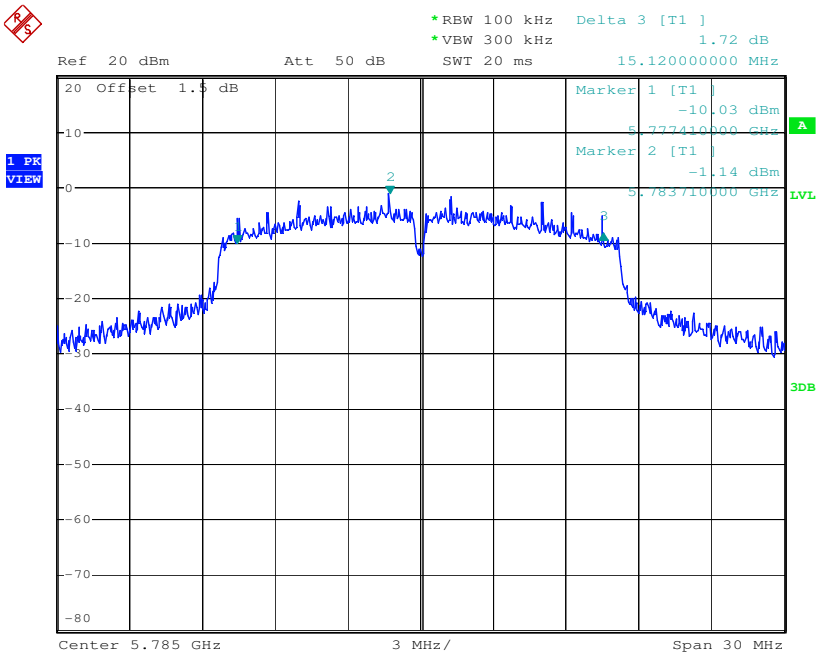
802.11n(40) mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (KHz)	Result
5755	33.960	≥500	Pass
5795	35.160	≥500	Pass

Test plot as follows:

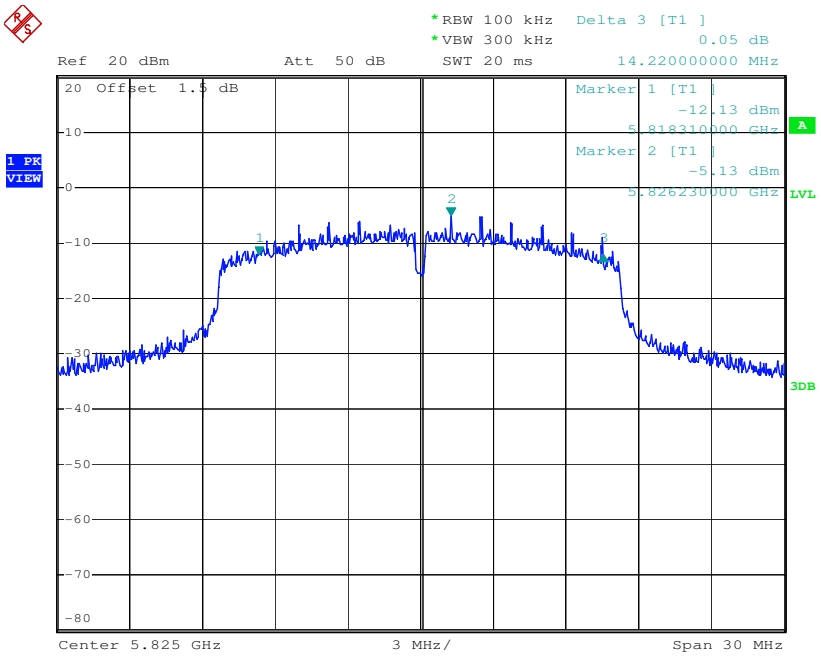
Test mode:	802.11a	Frequency(MHz):	5745



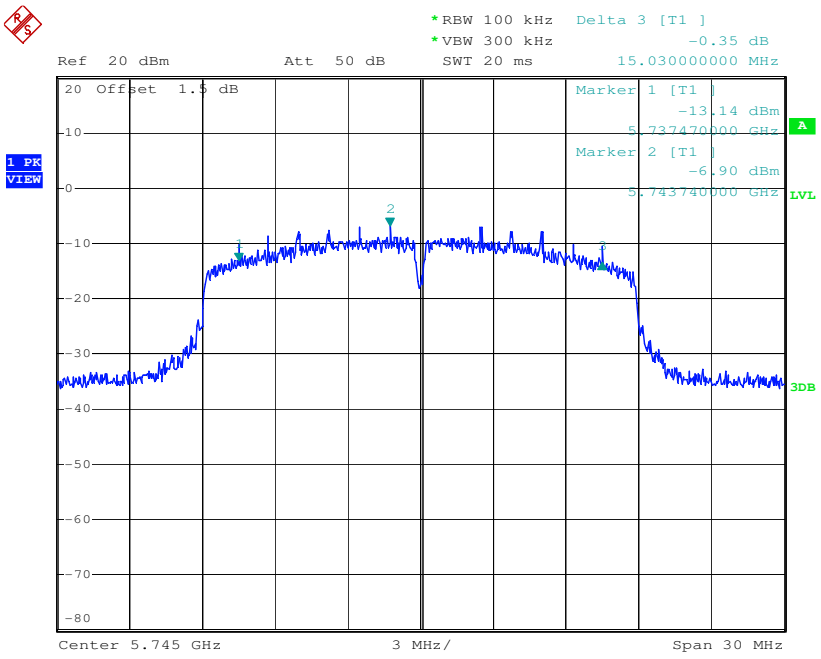
Test mode:	802.11a	Frequency(MHz):	5785



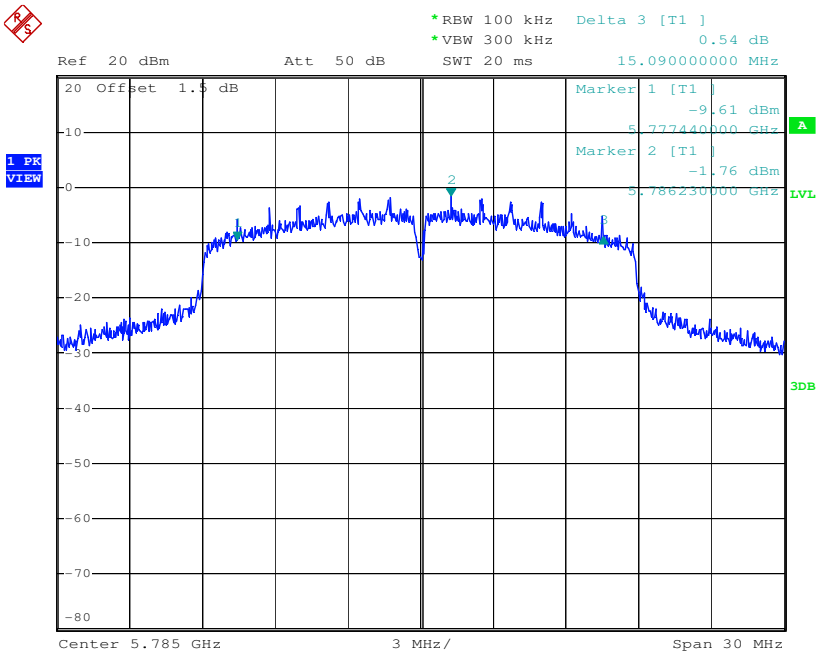
Test mode:	802.11a	Frequency(MHz):	5825



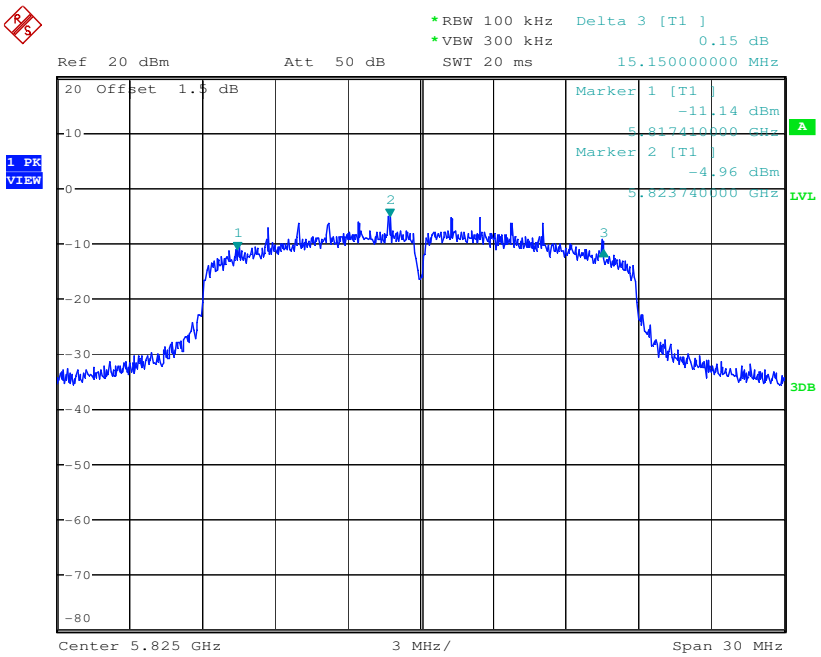
Test mode:	802.11n(HT20)	Frequency(MHz):	5745



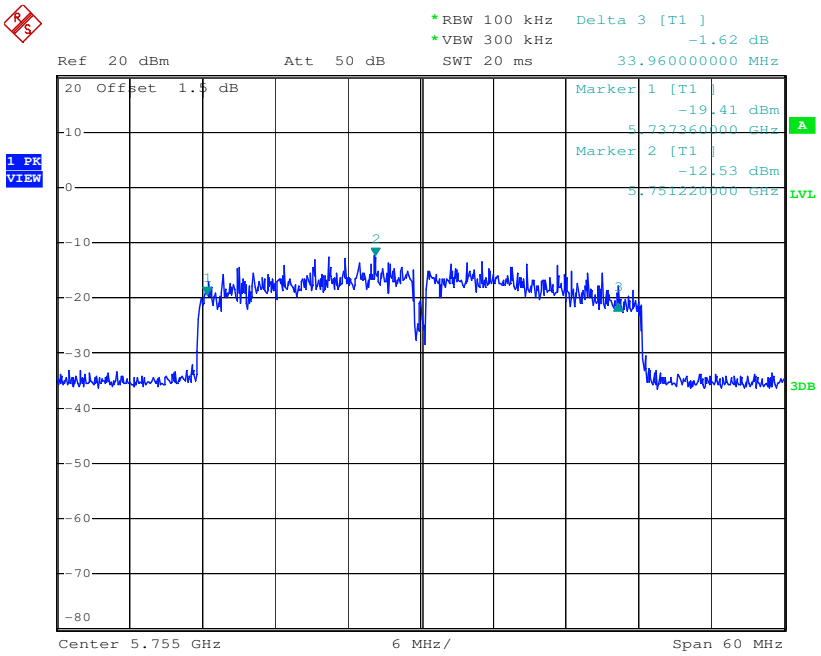
Test mode:	802.11n(HT20)	Frequency(MHz):	5785



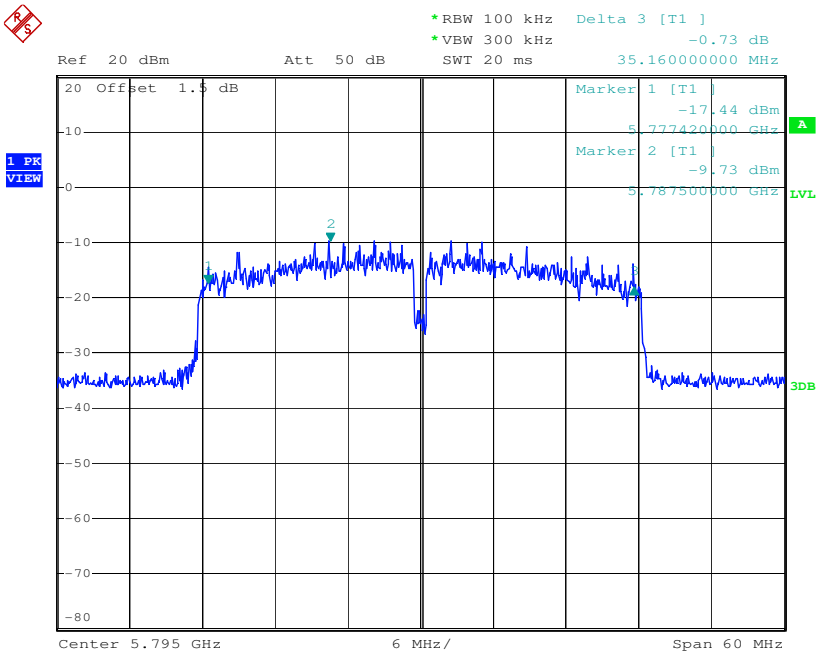
Test mode:	802.11n(HT20)	Frequency(MHz):	5825



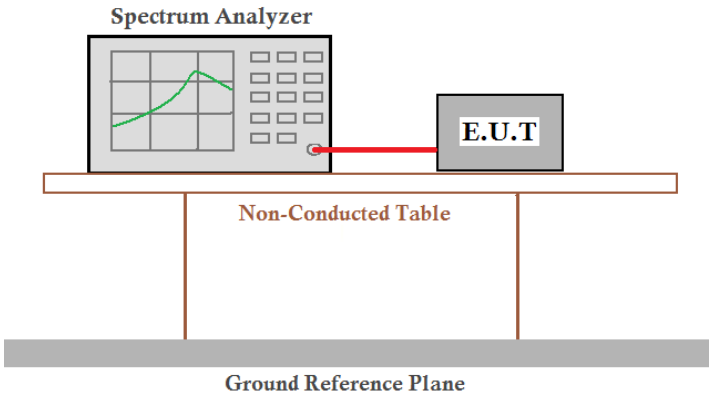
Test mode:	802.11n(HT40)	Frequency(MHz):	5755



Test mode:	802.11n(HT40)	Frequency(MHz):	5795



6.6 Power Spectral Density

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10: 2013	
Test Setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*	
Test Instruments:	Refer to section 5.10 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCSO of rate is the worst case of 802.11n(HT20); MCSO of rate is the worst case of 802.11n(HT40); Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5150-5250MHz	The power spectral density less than 11dBm/1MHz
	5250-5350MHz	The power spectral density less than 11dBm/1MHz
	5470-5725MHz	The power spectral density less than 11dBm/1MHz
	5725-5850MHz	The power spectral density less than 30dBm/500kHz
Test Results:	Pass	

Measurement Data:

802.11a mode			
Frequency (MHz)	Power Spectral Density(dBm)	Limit (dBm)	Result
5180	1.16	≤11dBm/1MHz	Pass
5200	-0.10	≤11dBm/1MHz	Pass
5240	0.82	≤11dBm/1MHz	Pass
5260	-2.20	≤11dBm/1MHz	Pass
5300	-1.72	≤11dBm/1MHz	Pass
5320	-1.90	≤11dBm/1MHz	Pass
5500	-2.36	≤11dBm/1MHz	Pass
5580	3.18	≤11dBm/1MHz	Pass
5600	3.97	≤11dBm/1MHz	Pass
5700	-4.11	≤11dBm/1MHz	Pass
5745	-6.54*	≤30dBm/500kHz	Pass
5785	-0.75*	≤30dBm/500kHz	Pass
5825	-4.72*	≤30dBm/500kHz	Pass

*=PSD value+10log(500/300)

802.11n(HT20) mode			
Frequency (MHz)	Power Spectral Density(dBm)	Limit (dBm)	Result
5180	-0.07	≤11dBm/1MHz	Pass
5200	0.10	≤11dBm/1MHz	Pass
5240	0.79	≤11dBm/1MHz	Pass
5260	-1.97	≤11dBm/1MHz	Pass
5300	-0.97	≤11dBm/1MHz	Pass
5320	-0.56	≤11dBm/1MHz	Pass
5500	0.65	≤11dBm/1MHz	Pass
5580	2.70	≤11dBm/1MHz	Pass
5600	3.66	≤11dBm/1MHz	Pass
5700	-4.77	≤11dBm/1MHz	Pass
5745	-5.34*	≤30dBm/500kHz	Pass
5785	-0.50*	≤30dBm/500kHz	Pass
5825	-4.57*	≤30dBm/500kHz	Pass

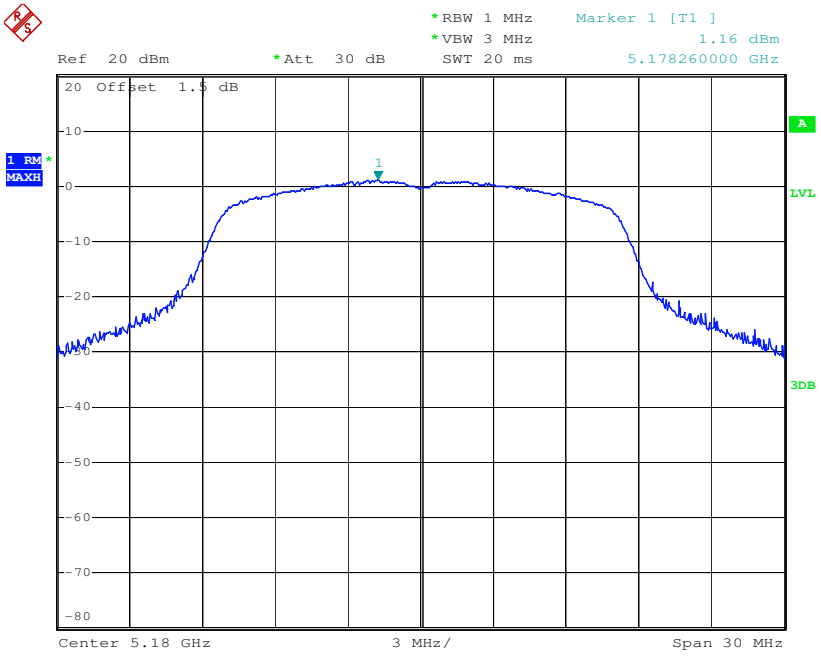
*=PSD value+10log(500/300)

802.11n(40) mode			
Frequency (MHz)	Power Spectral Density(dBm)	Limit (dBm)	Result
5190	-4.81	≤11dBm/1MHz	Pass
5230	-5.42	≤11dBm/1MHz	Pass
5270	-5.65	≤11dBm/1MHz	Pass
5310	-6.97	≤11dBm/1MHz	Pass
5510	-4.16	≤11dBm/1MHz	Pass
5550	-4.83	≤11dBm/1MHz	Pass
5590	-4.15	≤11dBm/1MHz	Pass
5670	-5.60	≤11dBm/1MHz	Pass
5755	-11.83*	≤30dBm/500kHz	Pass
5795	-8.38*	≤30dBm/500kHz	Pass

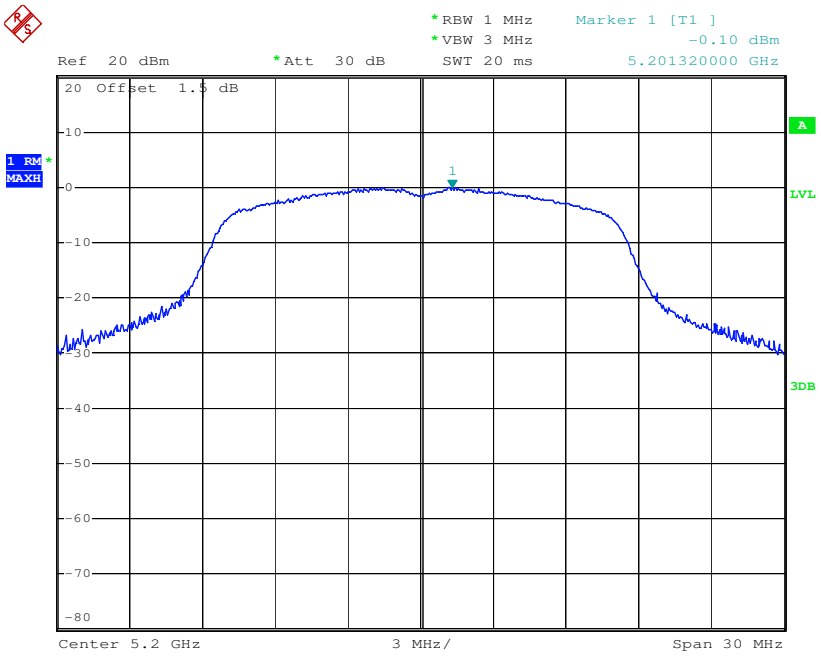
*=PSD value+10log(500/300)

Test plot as follows:

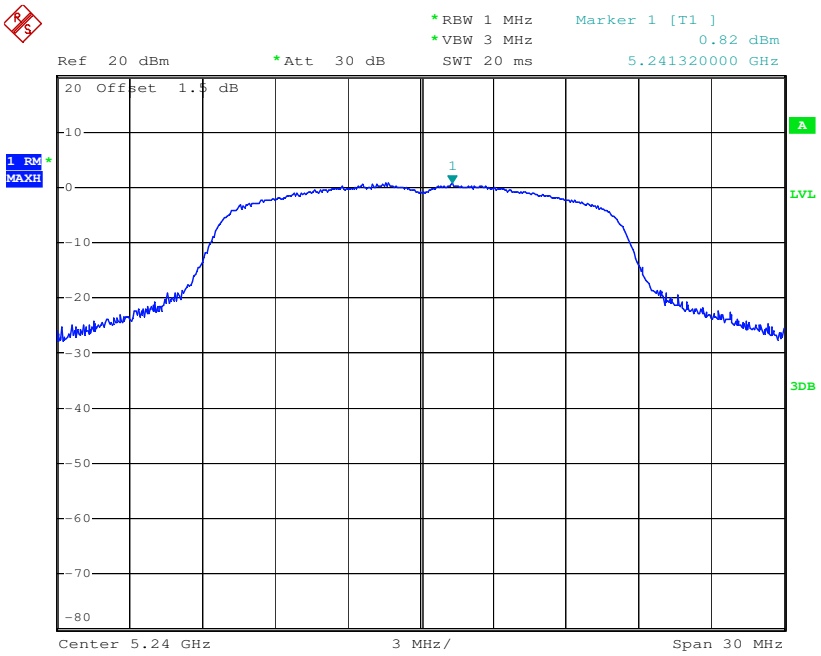
Test mode:	802.11a	Frequency(MHz):	5180



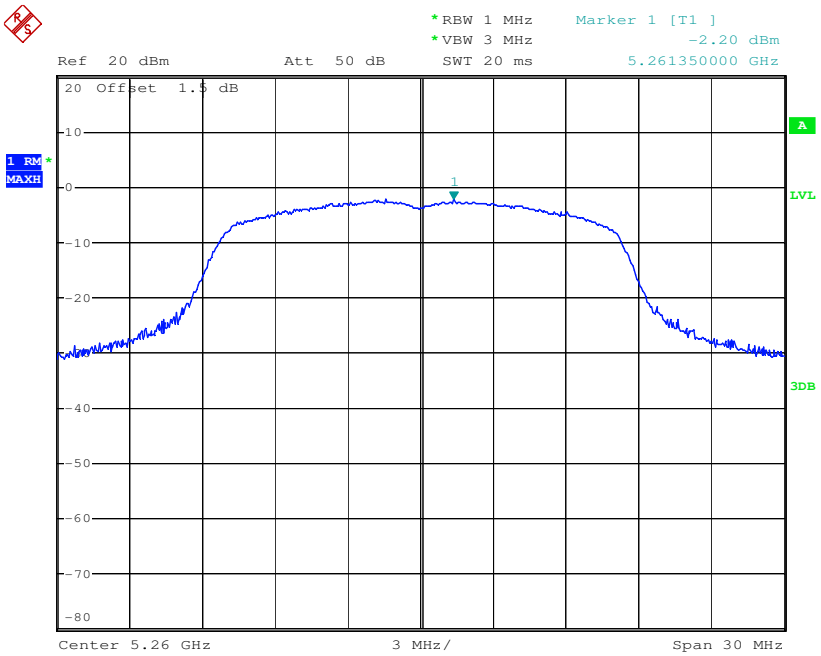
Test mode:	802.11a	Frequency(MHz):	5200



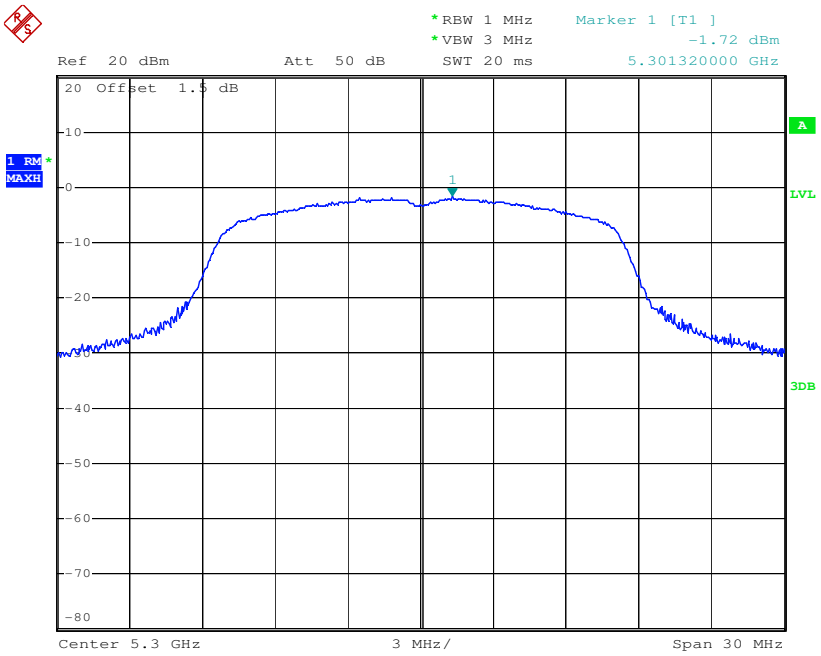
Test mode:	802.11a	Frequency(MHz):	5240



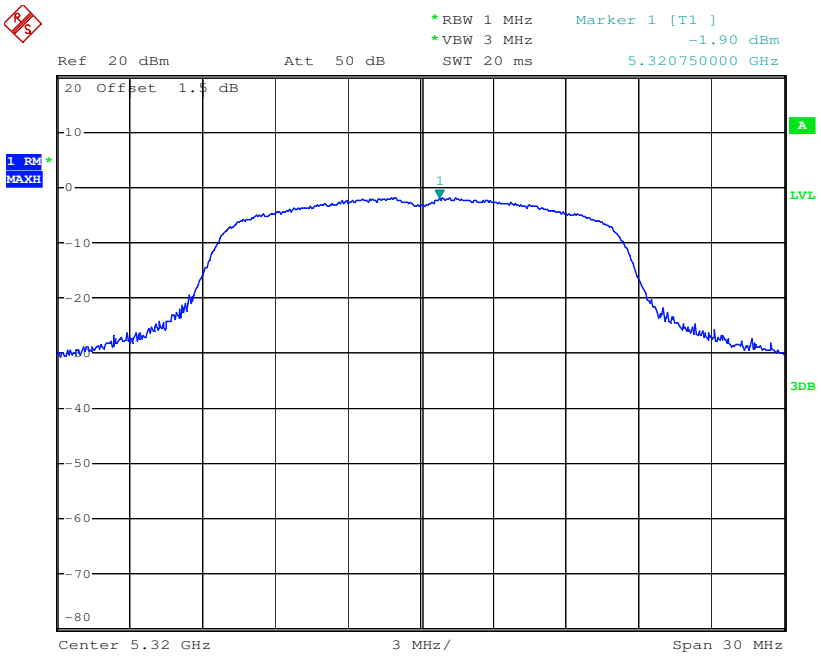
Test mode:	802.11a	Frequency(MHz):	5260



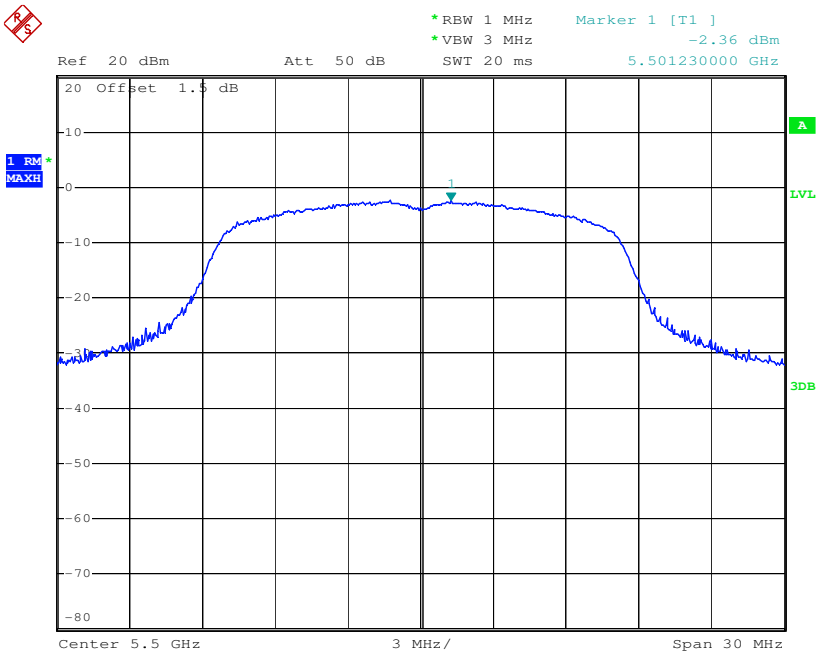
Test mode:	802.11a	Frequency(MHz):	5300



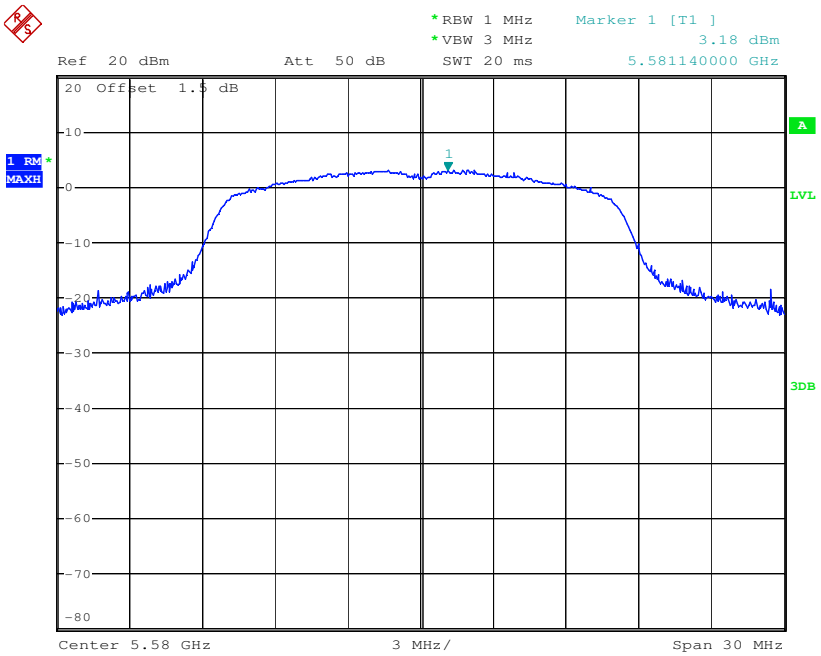
Test mode:	802.11a	Frequency(MHz):	5320



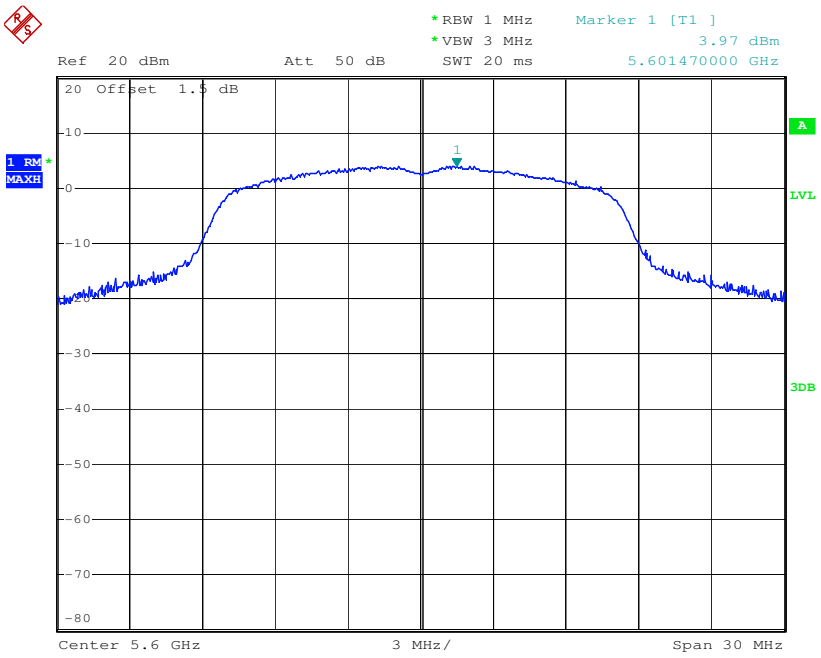
Test mode:	802.11a	Frequency(MHz):	5500



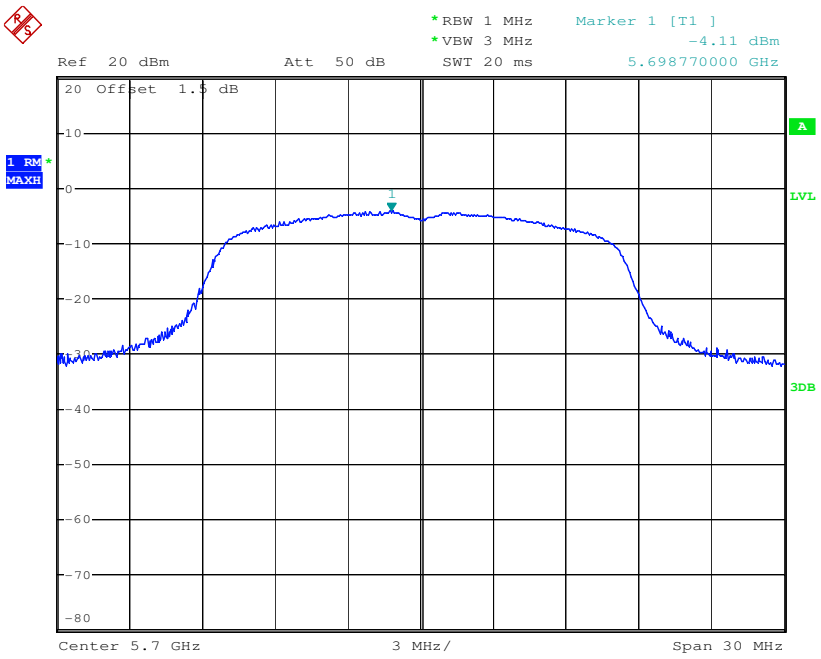
Test mode:	802.11a	Frequency(MHz):	5580



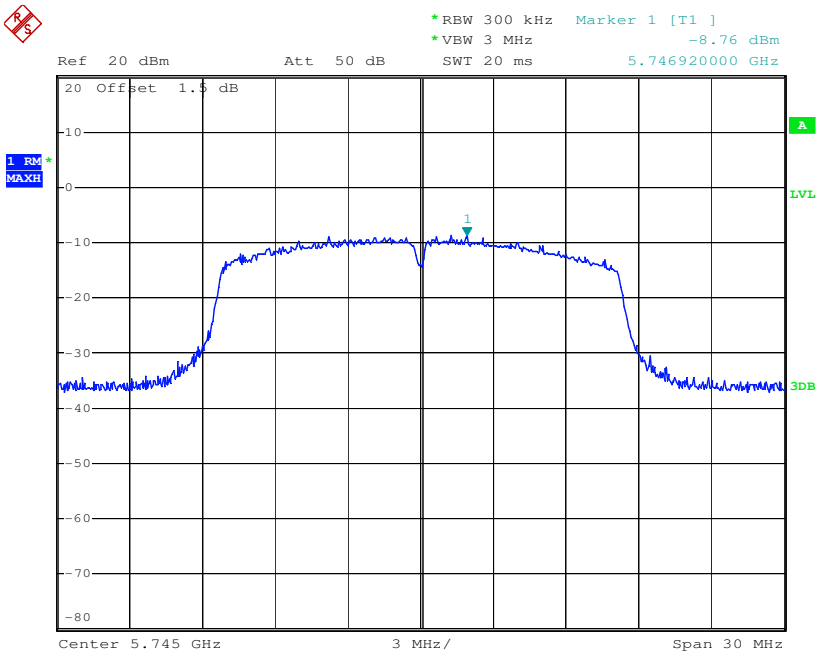
Test mode:	802.11a	Frequency(MHz):	5600



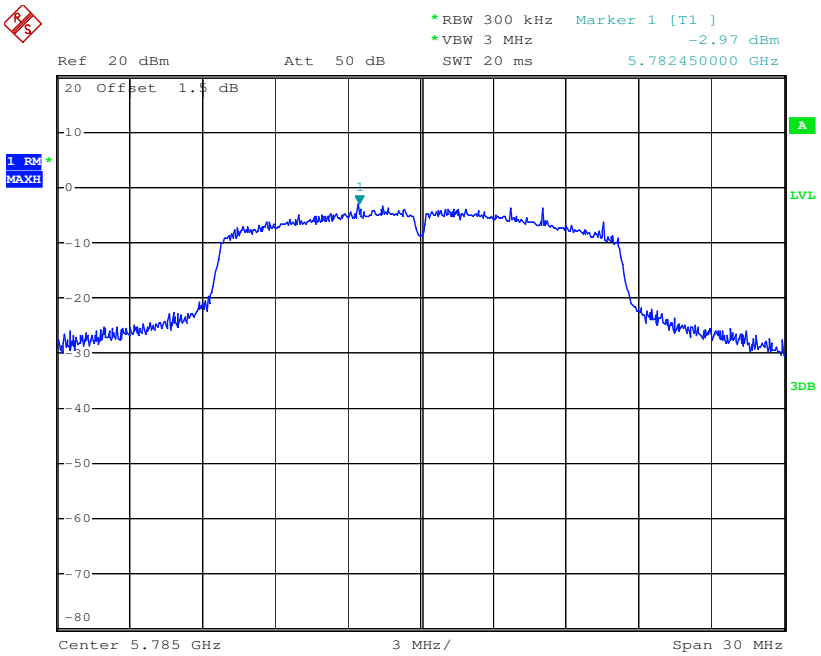
Test mode:	802.11a	Frequency(MHz):	5700



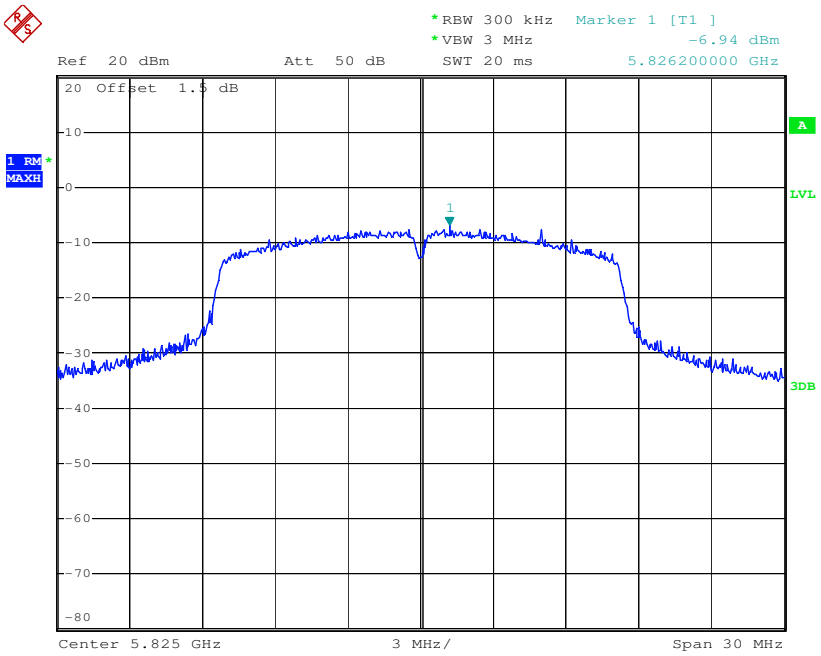
Test mode:	802.11a	Frequency(MHz):	5745



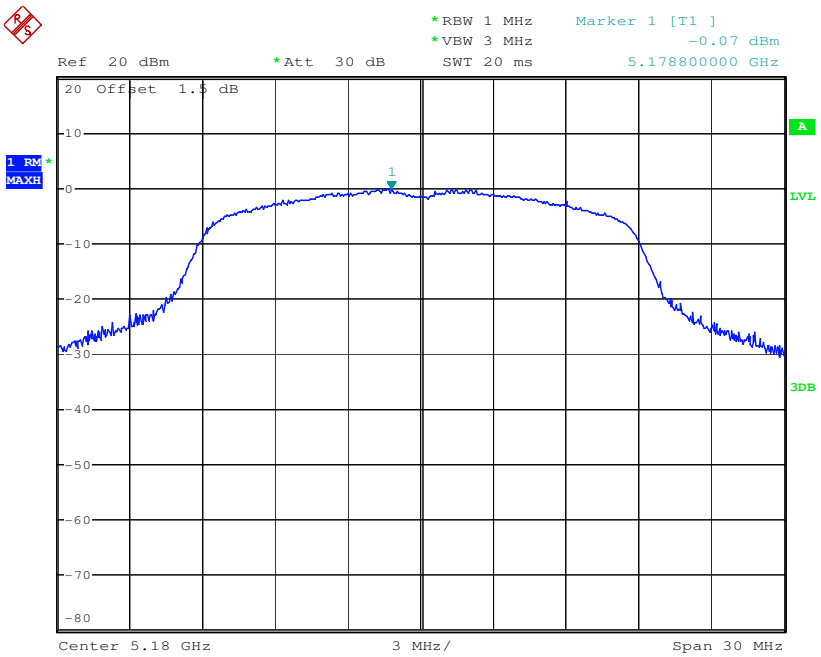
Test mode:	802.11a	Frequency(MHz):	5785



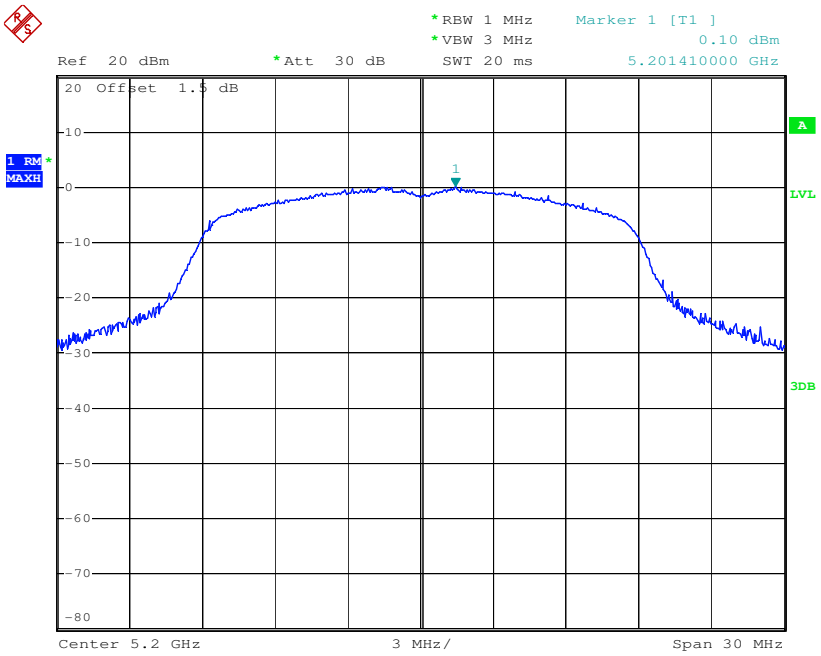
Test mode:	802.11a	Frequency(MHz):	5825



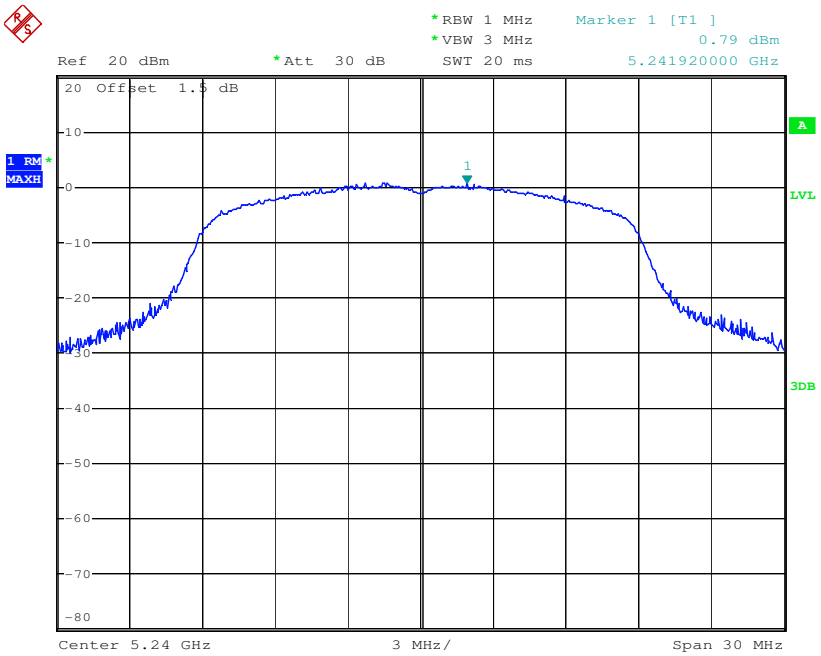
Test mode:	802.11n(HT20)	Frequency(MHz):	5180



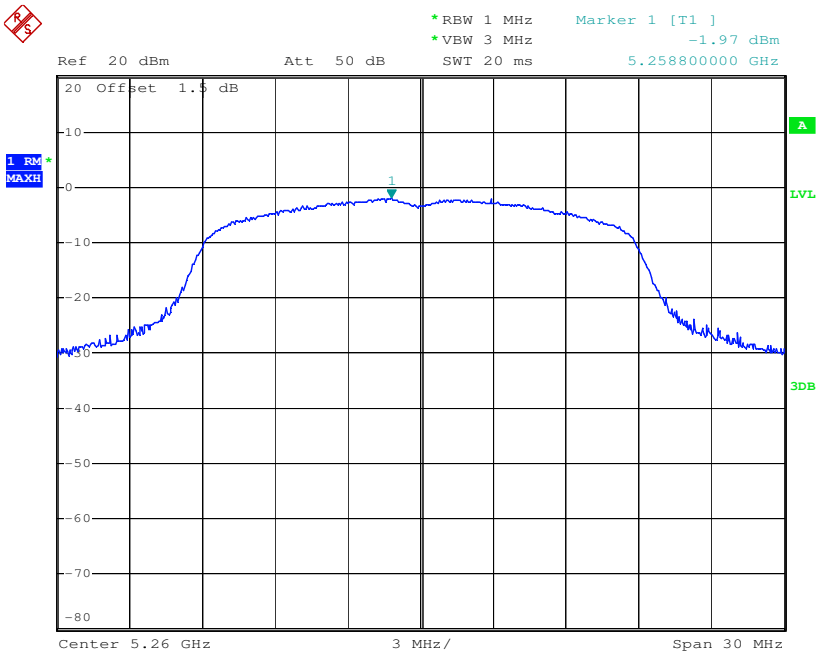
Test mode:	802.11n(HT20)	Frequency(MHz):	5200



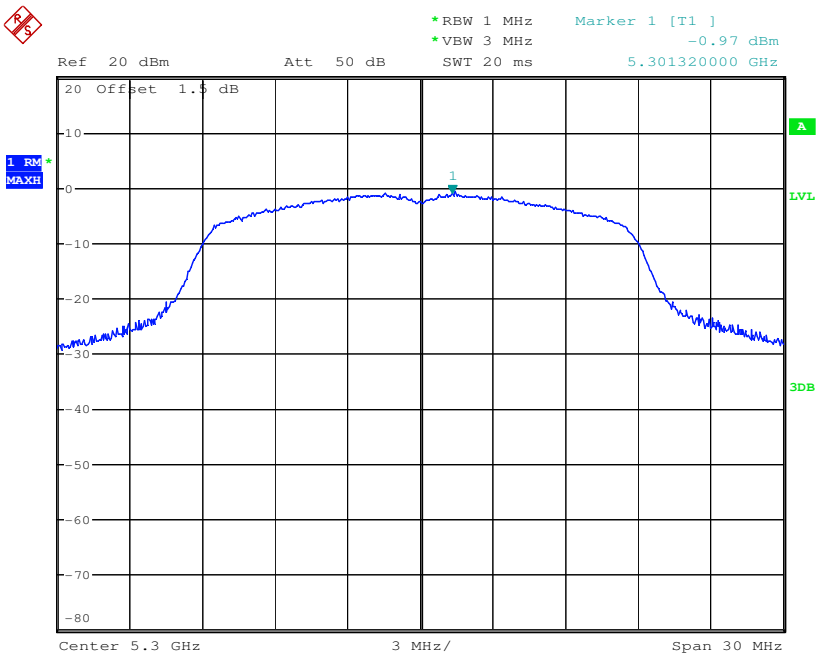
Test mode:	802.11n(HT20)	Frequency(MHz):	5240



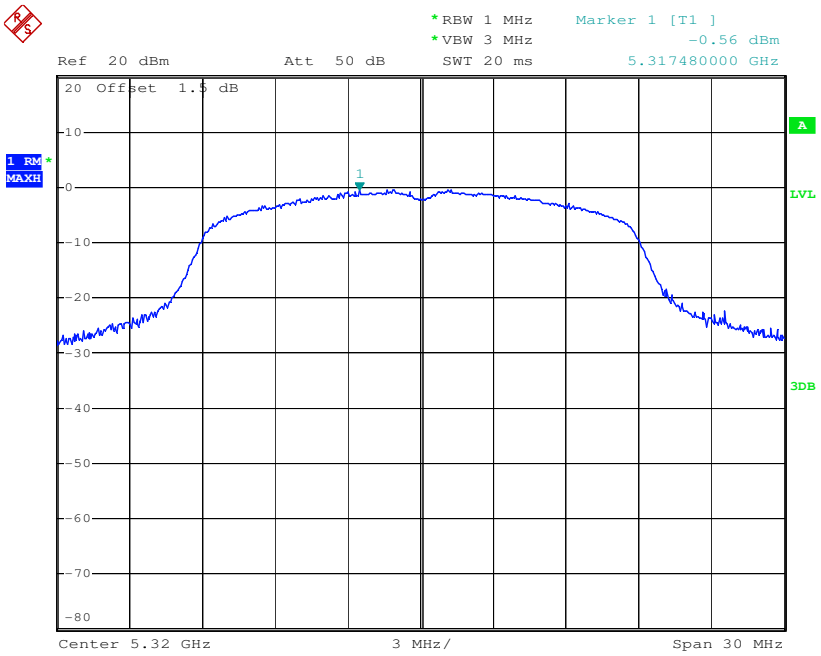
Test mode:	802.11n(HT20)	Frequency(MHz):	5260



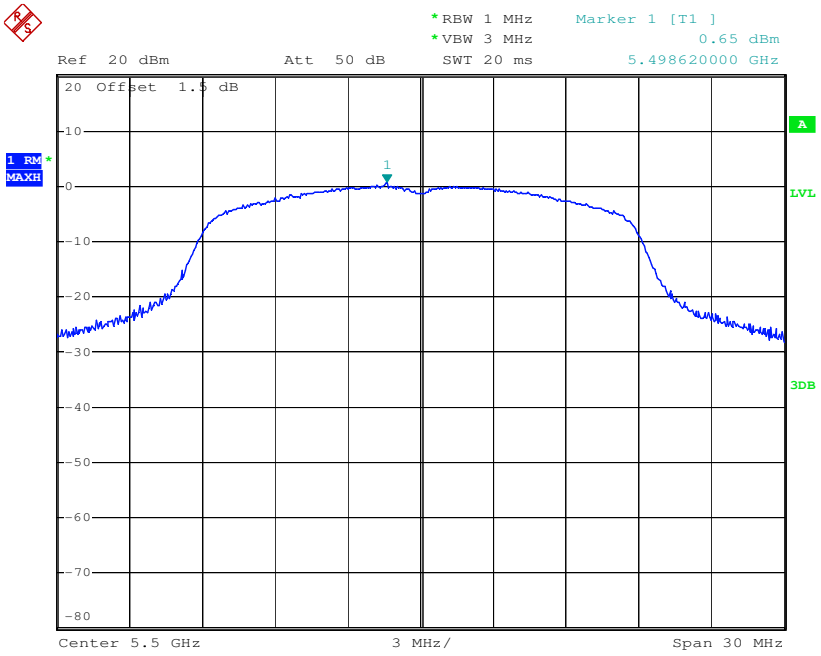
Test mode:	802.11n(HT20)	Frequency(MHz):	5300



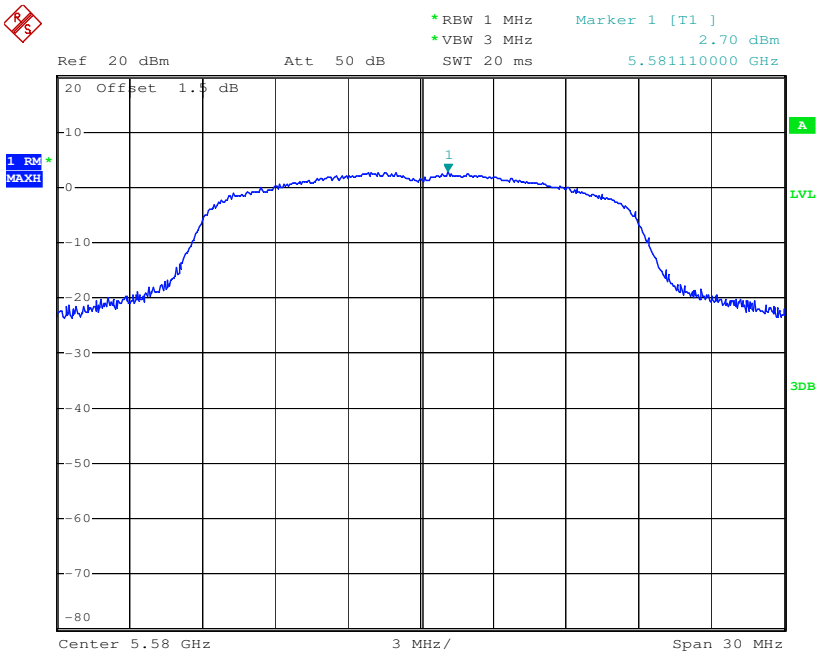
Test mode:	802.11n(HT20)	Frequency(MHz):	5320



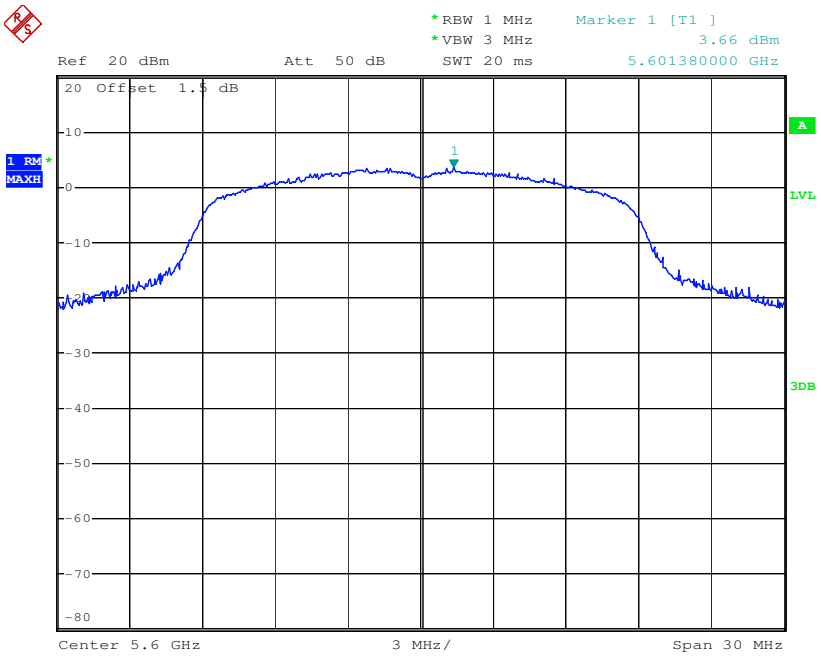
Test mode:	802.11n(HT20)	Frequency(MHz):	5500



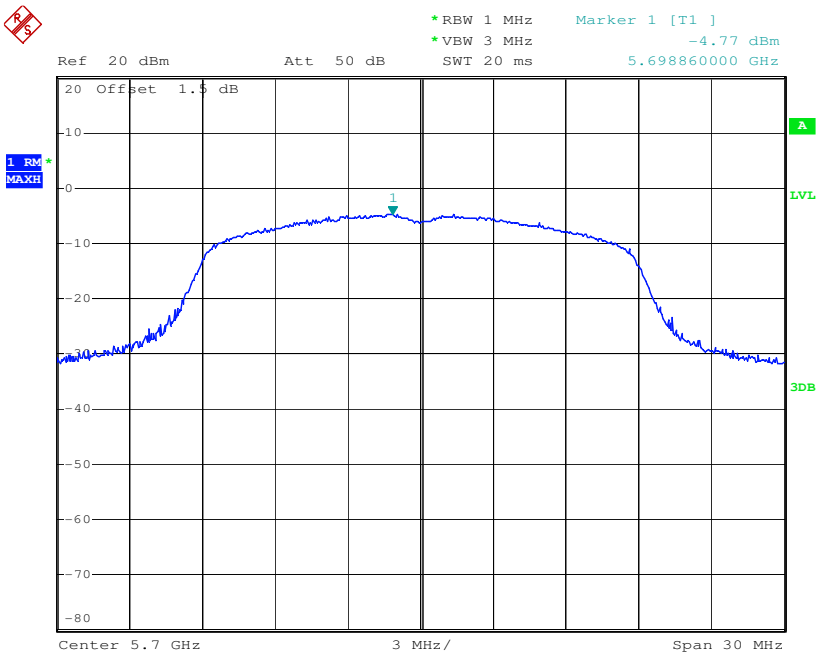
Test mode:	802.11n(HT20)	Frequency(MHz):	5580



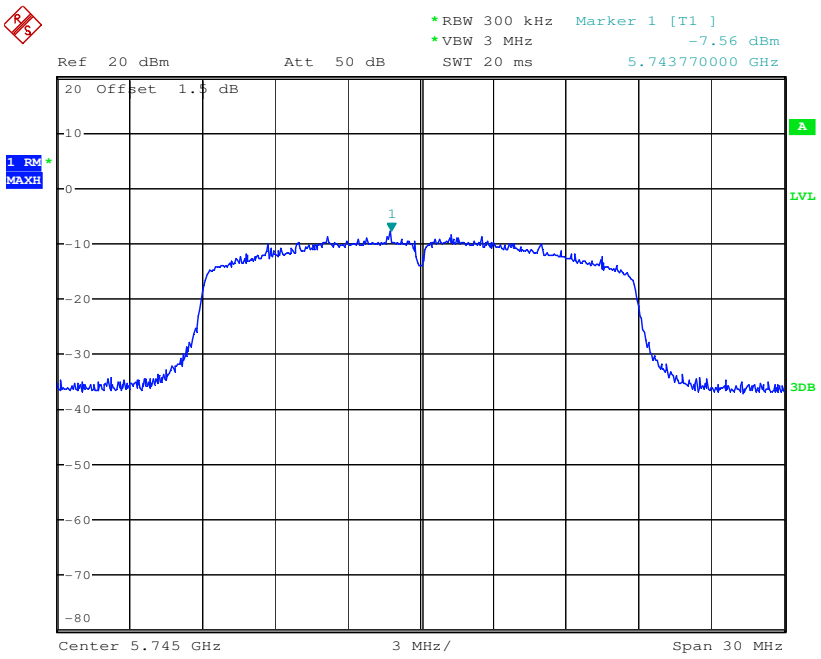
Test mode:	802.11n(HT20)	Frequency(MHz):	5600



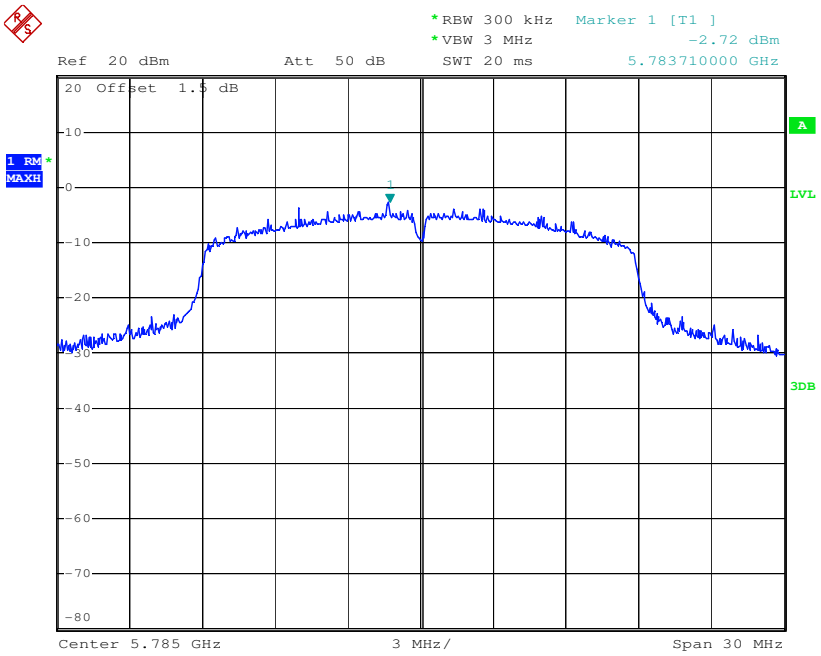
Test mode:	802.11n(HT20)	Frequency(MHz):	5700



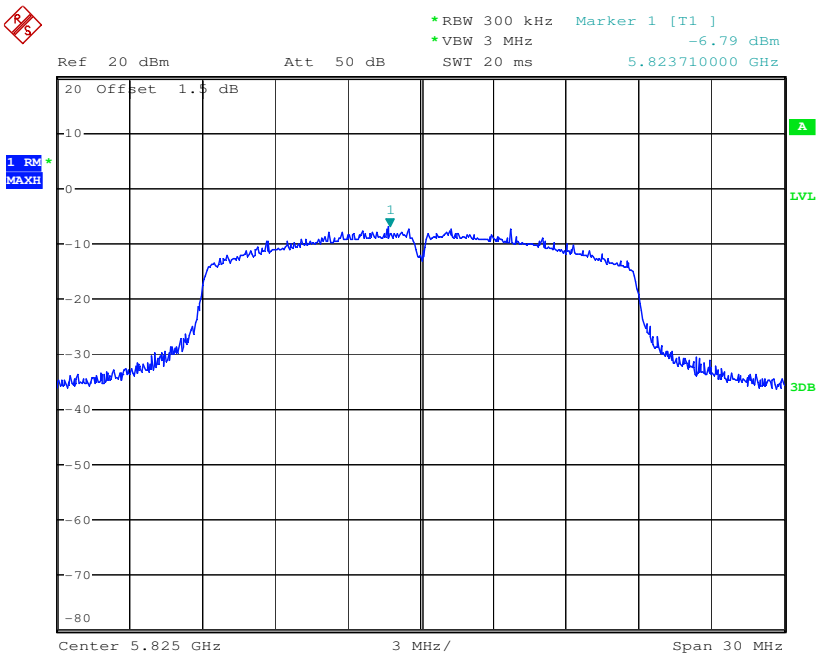
Test mode:	802.11n(HT20)	Frequency(MHz):	5745



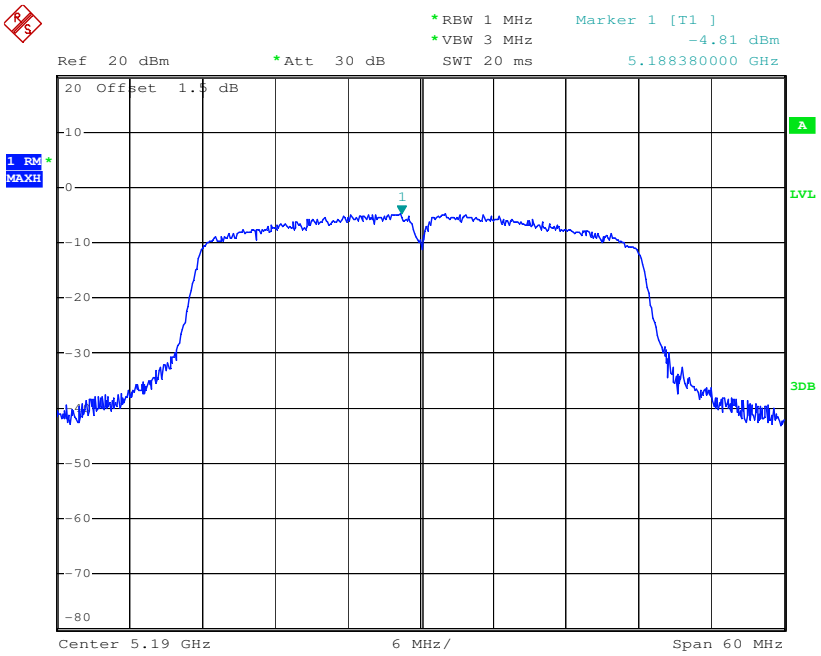
Test mode:	802.11n(HT20)	Frequency(MHz):	5785



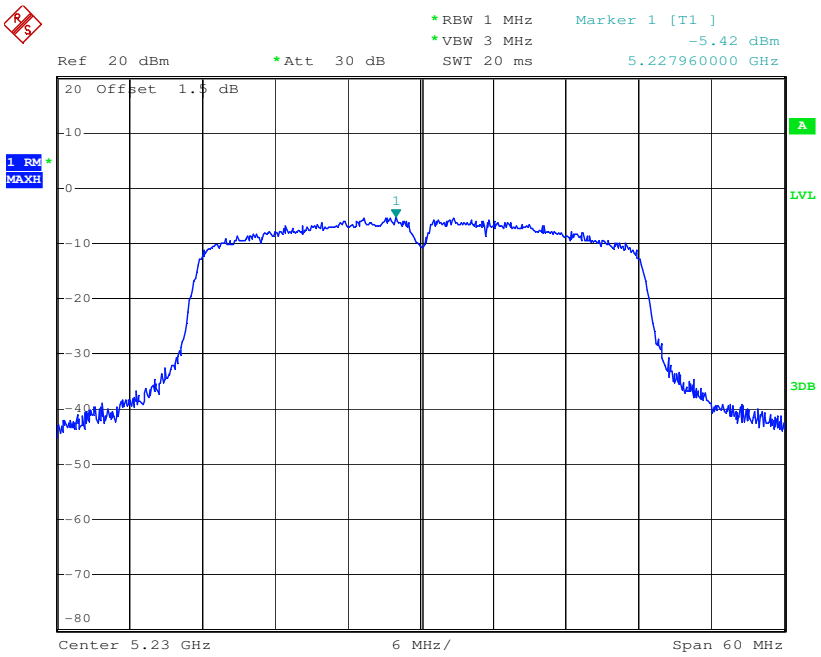
Test mode:	802.11n(HT20)	Frequency(MHz):	5825



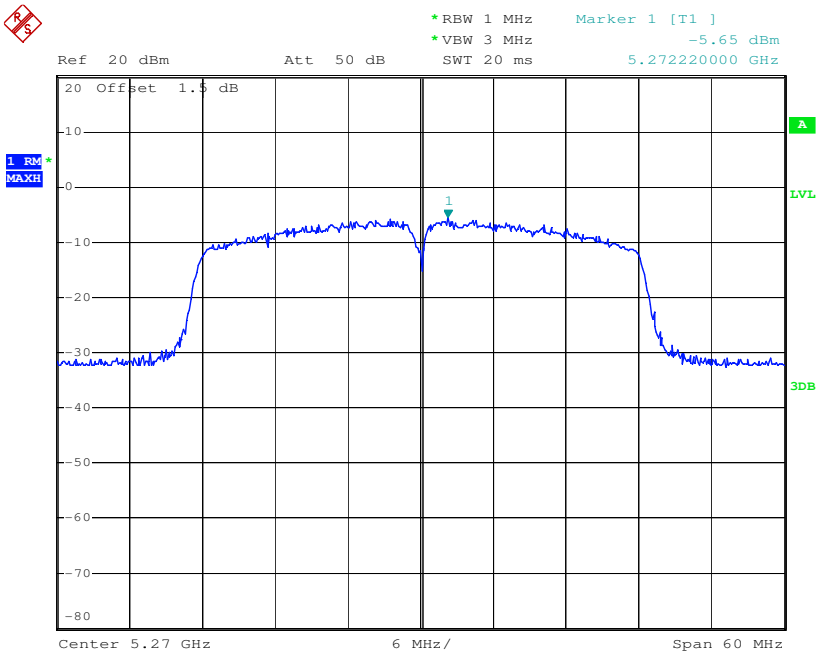
Test mode:	802.11n(HT40)	Frequency(MHz):	5190



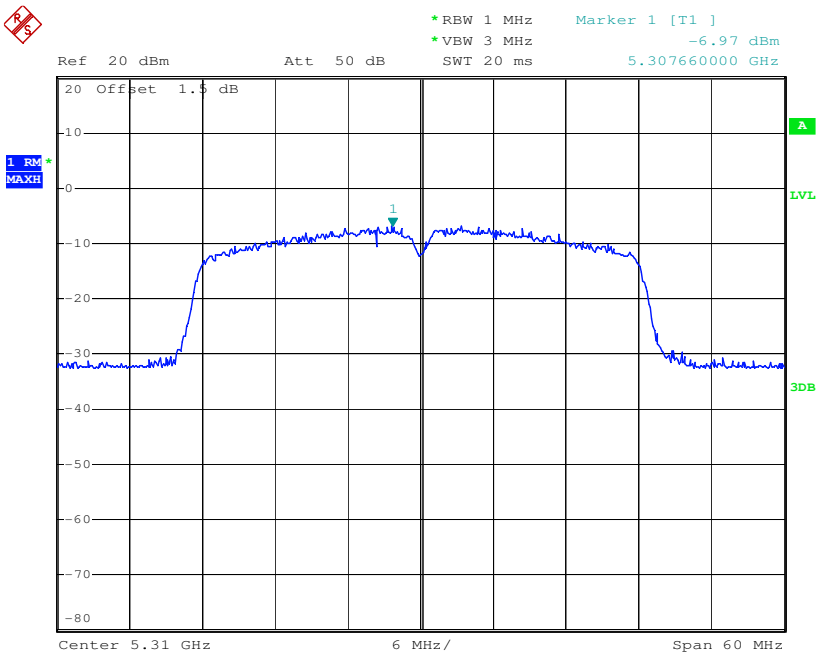
Test mode:	802.11n(HT40)	Frequency(MHz):	5230



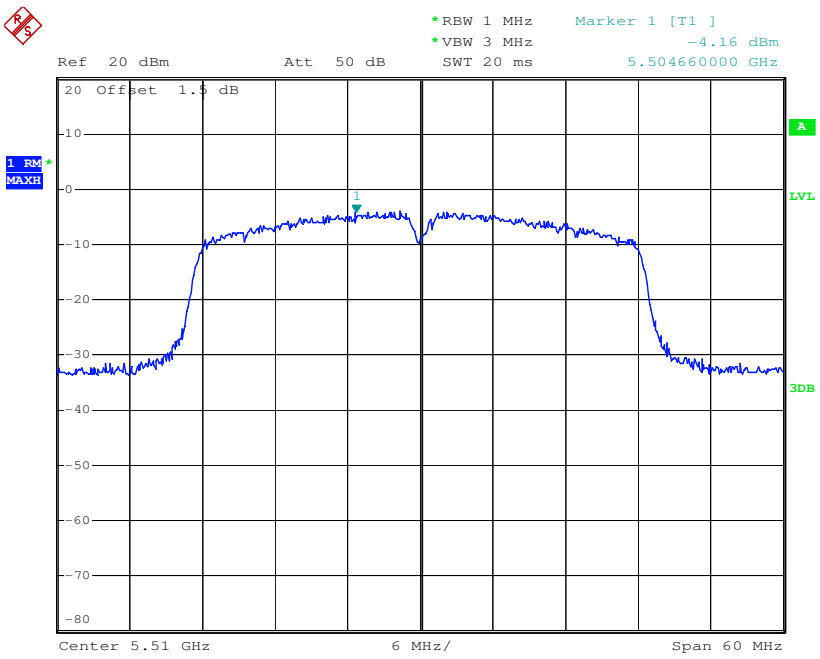
Test mode:	802.11n(HT40)	Frequency(MHz):	5270



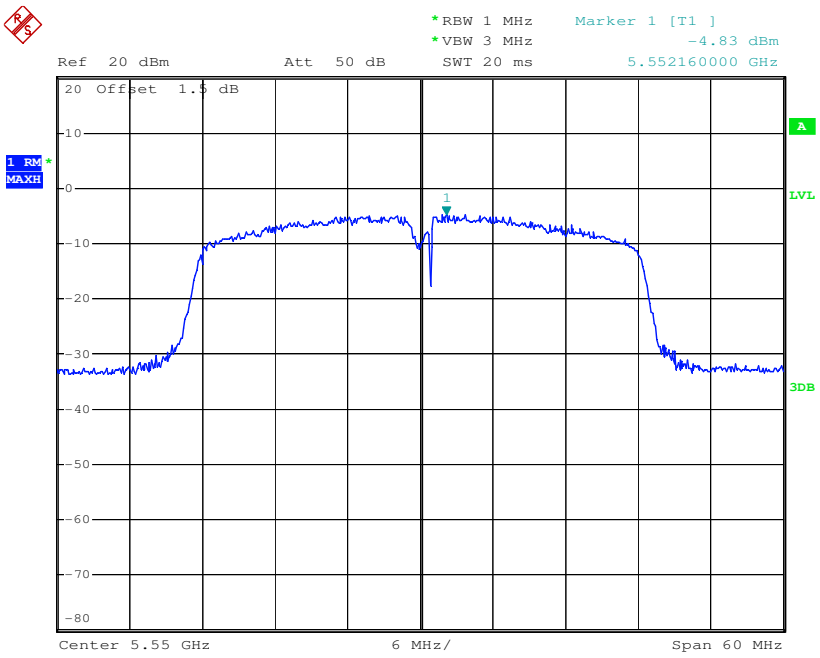
Test mode:	802.11n(HT40)	Frequency(MHz):	5310



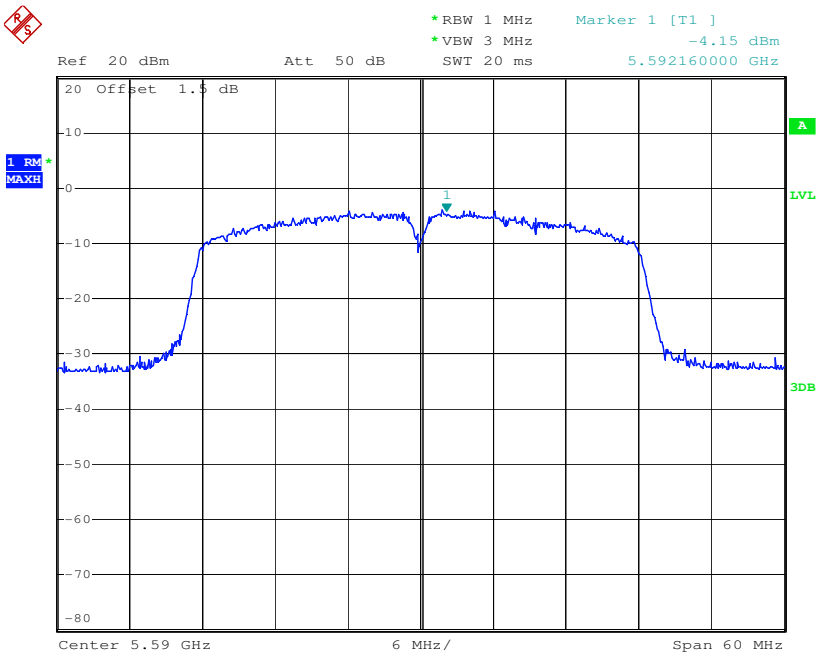
Test mode:	802.11n(HT40)	Frequency(MHz):	5510



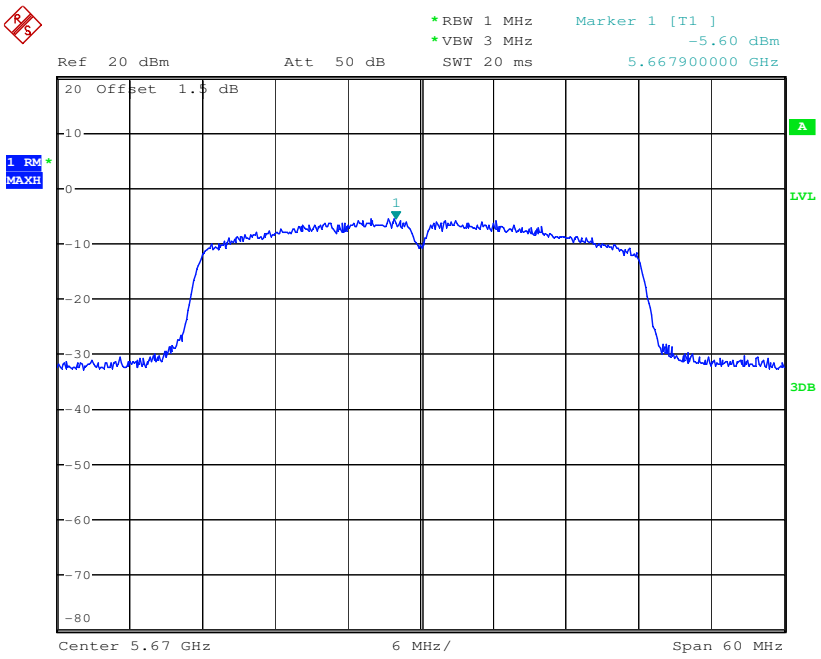
Test mode:	802.11n(HT40)	Frequency(MHz):	5550



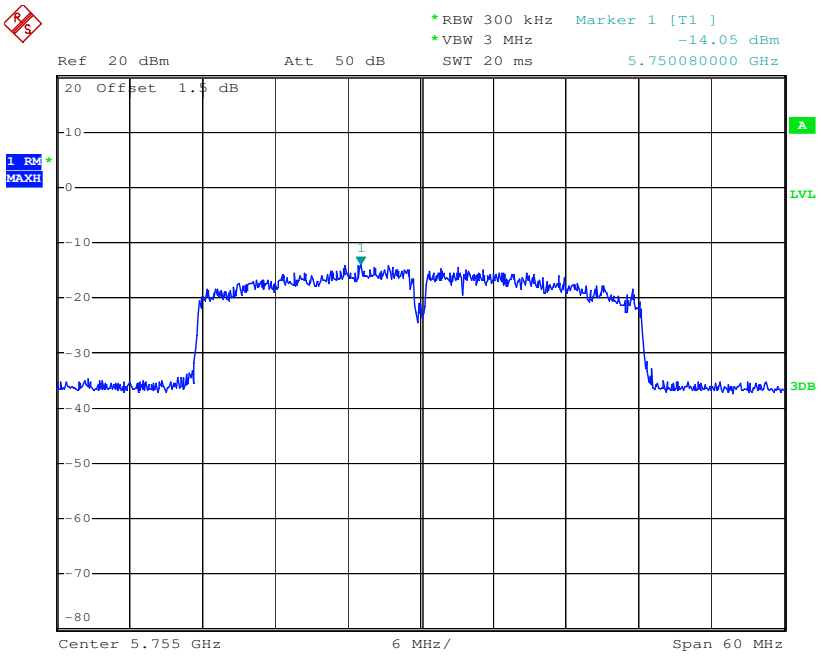
Test mode:	802.11n(HT40)	Frequency(MHz):	5590



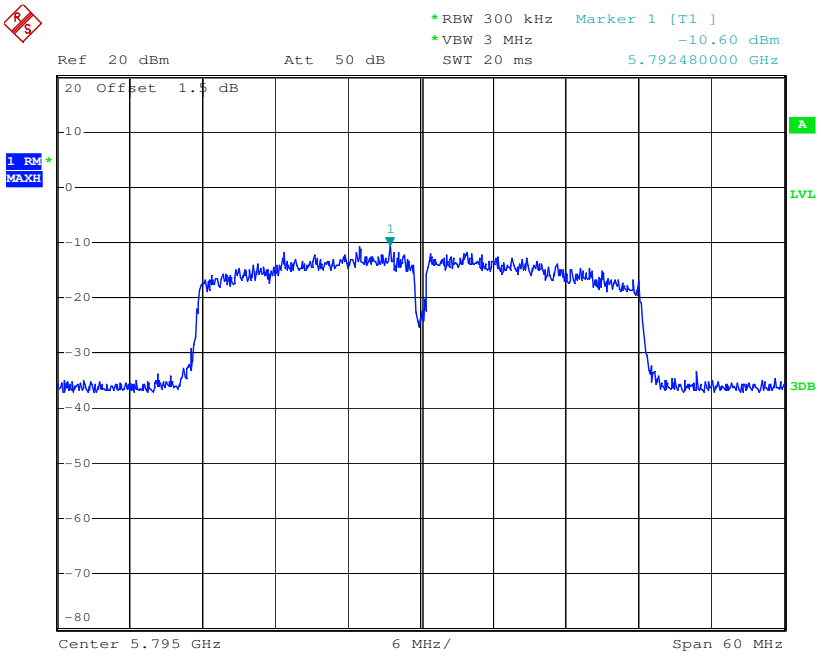
Test mode:	802.11n(HT40)	Frequency(MHz):	5670



Test mode:	802.11n(HT40)	Frequency(MHz):	5755



Test mode:	802.11n(HT40)	Frequency(MHz):	5795



6.7 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15 Section 15.407(b)
Test Method:	ANSI C63.10: 2013
Test Site:	Measurement Distance: 3m
Test Setup:	

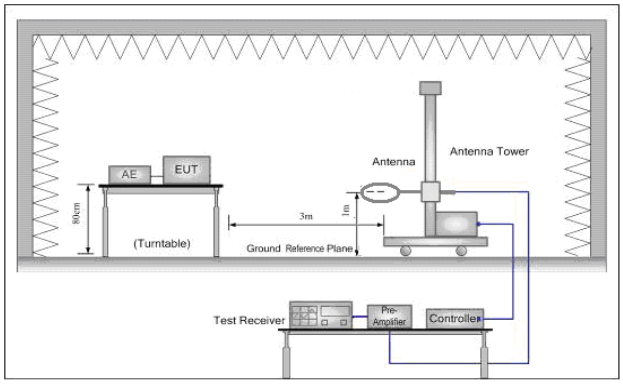


Figure 1. Below 30MHz

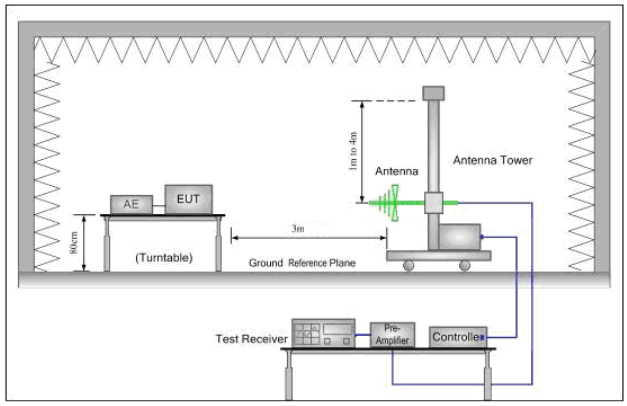


Figure 2. 30MHz to 1GHz

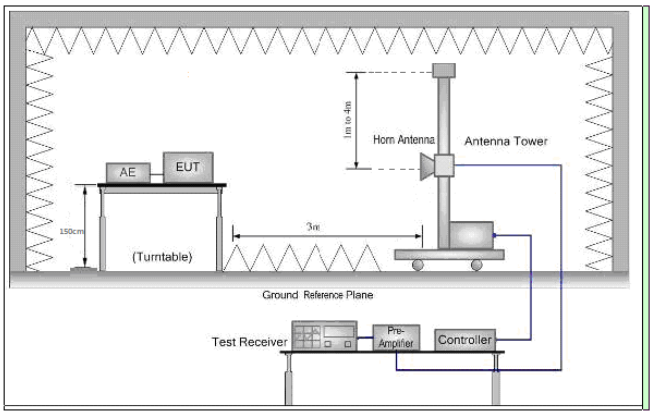


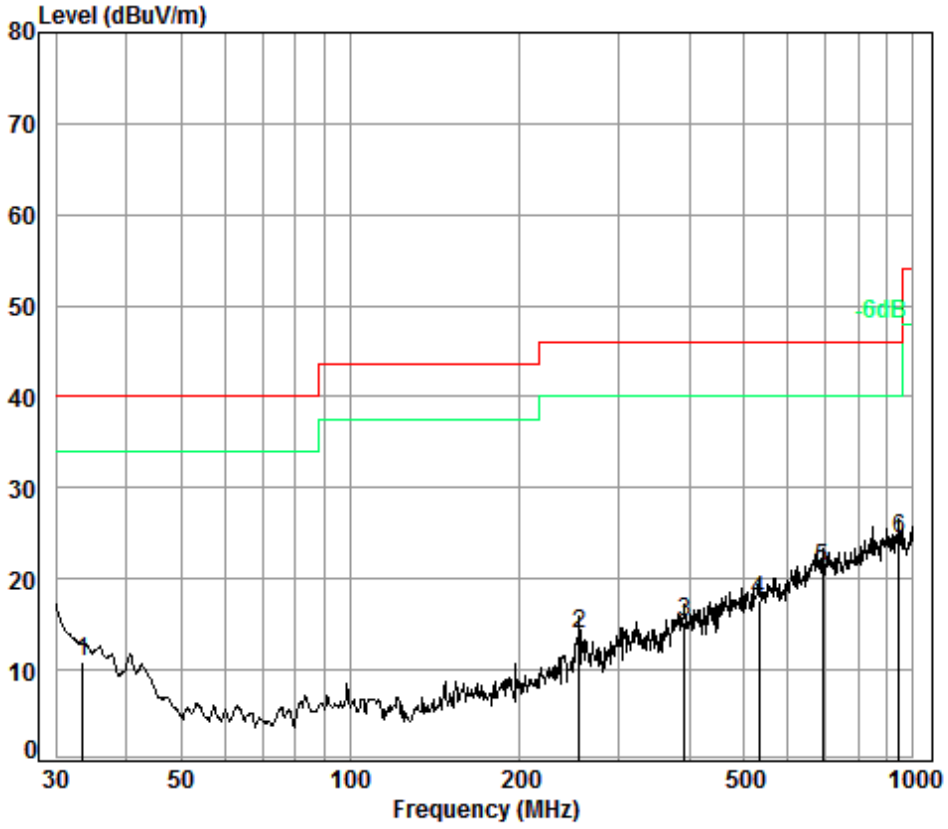
Figure 3. Above 1 GHz

Test Procedure:	a. For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. c. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

	f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Test the EUT in the outermost channels. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCSO of rate is the worst case of 802.11n(HT20); MCSO of rate is the worst case of 802.11n(HT40); For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

6.7.1 Radiated emission below 1GHz

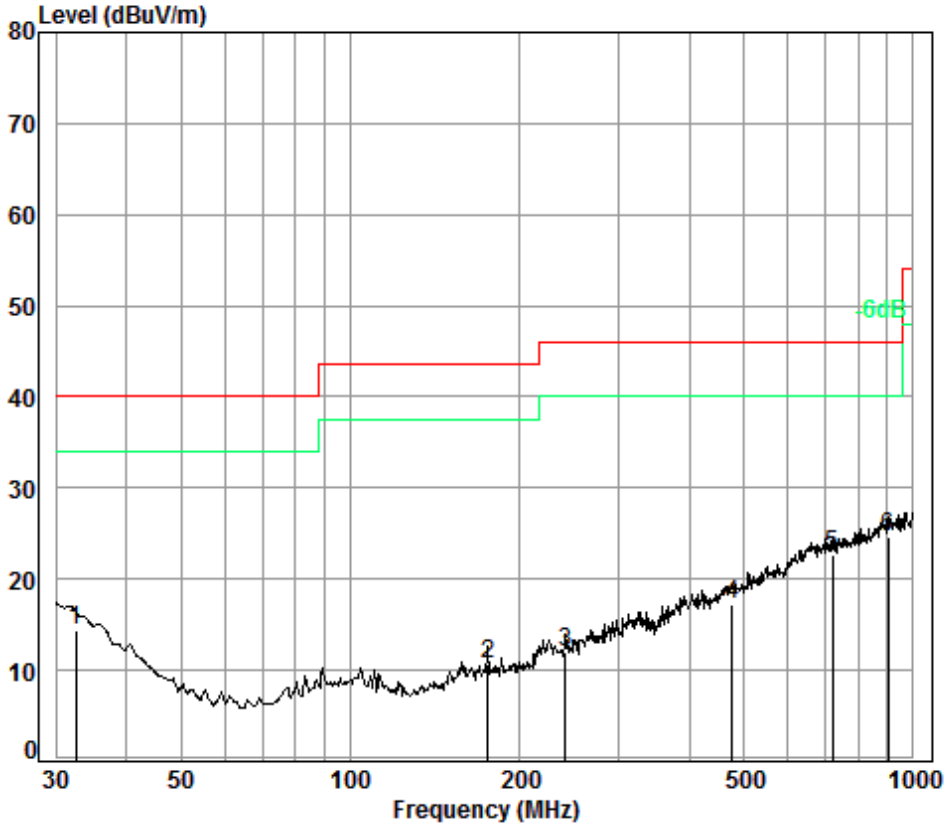
30MHz~1GHz(QP)		
Test mode:	Transmitting mode	Vertical



Condition: 3m Vertical
Job No. : 10384CR
Test Mode: TX

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	33.44	0.60	16.77	27.34	20.86	10.89	40.00	-29.11
2	255.62	1.70	12.41	26.52	26.33	13.92	46.00	-32.08
3	392.10	2.18	16.21	27.09	23.93	15.23	46.00	-30.77
4	531.96	2.63	18.61	27.65	24.16	17.75	46.00	-28.25
5	689.56	2.88	21.52	27.43	24.25	21.22	46.00	-24.78
6 pp	945.44	3.65	23.30	26.58	24.14	24.51	46.00	-21.49

Test mode:	Transmitting mode	Horizontal



Condition: 3m HORIZONTAL
Job No. : 10384CR
Test Mode: TX

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	32.52	0.60	17.29	27.35	23.88	14.42	40.00	-25.58
2	175.65	1.36	9.73	26.79	26.30	10.60	43.50	-32.90
3	240.83	1.63	12.01	26.56	24.97	12.05	46.00	-33.95
4	477.17	2.52	17.80	27.60	24.57	17.29	46.00	-28.71
5	719.20	2.96	21.60	27.39	25.49	22.66	46.00	-23.34
6 pp	903.31	3.60	23.21	26.75	24.67	24.73	46.00	-21.27

6.7.2Transmitter emission above 1GHz

Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8519.504	36.02	11.85	37.35	40.48	51.00	74	-23.00	Vertical
10360.000	37.24	12.98	36.99	38.40	51.63	74	-22.37	Vertical
11701.270	38.30	14.24	38.01	37.20	51.73	74	-22.27	Vertical
13444.000	38.62	15.67	39.84	37.96	52.41	74	-21.59	Vertical
15540.000	41.38	17.07	39.95	35.03	53.53	74	-20.47	Vertical
17629.850	43.64	20.87	37.63	27.00	53.88	74	-20.12	Vertical
8839.163	36.41	11.81	37.32	40.44	51.34	74	-22.66	Horizontal
10360.000	37.24	12.98	36.99	38.43	51.66	74	-22.34	Horizontal
12117.400	38.67	14.46	38.42	36.88	51.59	74	-22.41	Horizontal
14014.460	39.24	16.25	40.50	37.35	52.34	74	-21.66	Horizontal
15540.000	41.38	17.07	39.95	34.03	52.53	74	-21.47	Horizontal
17746.790	43.85	21.26	37.52	25.74	53.33	74	-20.67	Horizontal

Test mode:	802.11a	Frequency(MHz):	5200	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8360.088	36.16	11.63	37.36	38.89	49.32	74	-24.68	Vertical
10440.000	37.16	13.04	37.03	37.51	50.68	74	-23.32	Vertical
12083.110	38.65	14.49	38.39	36.56	51.31	74	-22.69	Vertical
13922.110	39.11	16.16	40.41	37.28	52.14	74	-21.86	Vertical
15660.000	41.34	17.18	39.83	34.43	53.12	74	-20.88	Vertical
17881.390	44.09	21.72	37.40	25.04	53.45	74	-20.55	Vertical
7722.469	36.44	10.91	37.66	40.67	50.36	74	-23.64	Horizontal
8956.814	36.55	11.80	37.30	40.22	51.27	74	-22.73	Horizontal
10440.000	37.16	13.04	37.03	38.51	51.68	74	-22.32	Horizontal
12823.890	38.83	15.06	39.13	37.61	52.37	74	-21.63	Horizontal
15660.000	41.34	17.18	39.83	34.37	53.06	74	-20.94	Horizontal
17679.880	43.73	21.04	37.58	26.05	53.24	74	-20.76	Horizontal

Test mode:	802.11a	Frequency(MHz):	5240	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8567.920	36.08	11.84	37.34	40.61	51.19	74	-22.81	Vertical
10480.000	37.12	13.07	37.05	38.86	52.00	74	-22.00	Vertical
11946.940	38.55	14.50	38.25	36.53	51.33	74	-22.67	Vertical
13791.240	38.95	16.01	40.26	37.55	52.25	74	-21.75	Vertical
15720.000	41.31	17.24	39.77	33.55	52.33	74	-21.67	Vertical
17679.880	43.73	21.04	37.58	25.92	53.11	74	-20.89	Vertical
7825.257	36.50	10.97	37.57	40.44	50.34	74	-23.66	Horizontal
8990.716	36.59	11.79	37.30	39.07	50.15	74	-23.85	Horizontal
10480.000	37.12	13.07	37.05	38.86	52.00	74	-22.00	Horizontal
13584.400	38.70	15.78	40.01	37.25	51.72	74	-22.28	Horizontal
15720.000	41.31	17.24	39.77	33.78	52.56	74	-21.44	Horizontal
17830.800	44.00	21.55	37.45	25.08	53.18	74	-20.82	Horizontal

Test mode:	802.11a	Frequency(MHz):	5260	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7817.870	36.49	10.96	37.57	39.98	49.86	74	-24.14	Vertical
9153.509	36.88	11.99	37.22	38.43	50.08	74	-23.92	Vertical
10520.000	37.12	13.10	37.07	38.54	51.69	74	-22.31	Vertical
12896.770	38.82	15.27	39.20	37.66	52.55	74	-21.45	Vertical
15780.000	41.29	17.29	39.71	33.86	52.73	74	-21.27	Vertical
17830.800	44.00	21.55	37.45	25.64	53.74	74	-20.26	Vertical
8723.057	36.27	11.82	37.33	39.75	50.51	74	-23.49	Horizontal
10520.000	37.12	13.10	37.07	38.63	51.78	74	-22.22	Horizontal
11969.530	38.57	14.53	38.27	38.78	53.61	74	-20.39	Horizontal
13778.220	38.94	16.00	40.24	38.82	53.52	74	-20.48	Horizontal
15780.000	41.29	17.29	39.71	33.66	52.53	74	-21.47	Horizontal
17847.650	44.03	21.61	37.43	25.72	53.93	74	-20.07	Horizontal

Test mode:	802.11a	Frequency(MHz):	5300	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8608.476	36.13	11.84	37.34	39.70	50.33	74	-23.67	Vertical
10600.000	37.22	13.16	37.11	37.74	51.01	74	-22.99	Vertical
12083.110	38.65	14.49	38.39	37.71	52.46	74	-21.54	Vertical
13830.370	39.00	16.06	40.30	37.45	52.21	74	-21.79	Vertical
15900.000	41.24	17.41	39.60	33.38	52.43	74	-21.57	Vertical
17915.200	44.15	21.83	37.37	24.54	53.15	74	-20.85	Vertical
8471.363	36.03	11.81	37.35	40.49	50.98	74	-23.02	Horizontal
10600.000	37.22	13.16	37.11	37.94	51.21	74	-22.79	Horizontal
11969.530	38.57	14.53	38.27	36.82	51.65	74	-22.35	Horizontal
13778.220	38.94	16.00	40.24	38.26	52.96	74	-21.04	Horizontal
15900.000	41.24	17.41	39.60	33.95	53.00	74	-21.00	Horizontal
17596.580	43.58	20.75	37.66	26.83	53.50	74	-20.50	Horizontal

Test mode:	802.11a	Frequency(MHz):	5320	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7817.870	36.49	10.96	37.57	39.58	49.46	74	-24.54	Vertical
9110.385	36.80	11.94	37.24	40.00	51.50	74	-22.50	Vertical
10640.000	37.27	13.19	37.13	37.69	51.02	74	-22.98	Vertical
13019.150	38.79	15.56	39.32	37.23	52.26	74	-21.74	Vertical
15960.000	41.22	17.46	39.54	33.81	52.95	74	-21.05	Vertical
17830.800	44.00	21.55	37.45	25.58	53.68	74	-20.32	Vertical
7817.870	36.49	10.96	37.57	40.44	50.32	74	-23.68	Horizontal
9266.588	37.09	12.14	37.16	39.02	51.09	74	-22.91	Horizontal
10640.000	37.27	13.19	37.13	38.20	51.53	74	-22.47	Horizontal
13204.910	38.72	15.60	39.55	36.56	51.33	74	-22.67	Horizontal
15960.000	41.22	17.46	39.54	32.90	52.04	74	-21.96	Horizontal
17830.800	44.00	21.55	37.45	25.72	53.82	74	-20.18	Horizontal

Test mode:	802.11a	Frequency(MHz):	5500	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8864.243	36.44	11.81	37.31	39.15	50.09	74	-23.91	Vertical
11000.000	37.70	13.45	37.30	38.04	51.89	74	-22.11	Vertical
12489.210	38.89	14.16	38.80	37.85	52.10	74	-21.90	Vertical
14719.920	40.80	16.46	40.50	35.86	52.62	74	-21.38	Vertical
16500.000	42.70	17.59	38.84	30.96	52.41	74	-21.59	Vertical
17915.200	44.15	21.83	37.37	24.71	53.32	74	-20.68	Vertical
7854.876	36.51	10.98	37.54	40.39	50.34	74	-23.66	Horizontal
9310.451	37.16	12.20	37.14	37.71	49.93	74	-24.07	Horizontal
11000.000	37.70	13.45	37.30	37.61	51.46	74	-22.54	Horizontal
13330.210	38.67	15.64	39.71	37.52	52.12	74	-21.88	Horizontal
16500.000	42.70	17.59	38.84	30.76	52.21	74	-21.79	Horizontal
17932.130	44.18	21.89	37.36	25.21	53.92	74	-20.08	Horizontal

Test mode:	802.11a	Frequency(MHz):	5600	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7854.876	36.51	10.98	37.54	40.12	50.07	74	-23.93	Vertical
9144.867	36.87	11.98	37.22	38.48	50.11	74	-23.89	Vertical
11200.000	37.86	13.68	37.51	37.84	51.87	74	-22.13	Vertical
12560.180	38.89	14.32	38.87	37.39	51.73	74	-22.27	Vertical
14692.140	40.75	16.45	40.50	35.58	52.28	74	-21.72	Vertical
16800.000	42.76	18.24	38.45	30.51	53.06	74	-20.94	Vertical
8103.545	36.47	11.23	37.39	40.04	50.35	74	-23.65	Horizontal
9434.376	37.38	12.36	37.08	39.17	51.83	74	-22.17	Horizontal
11200.000	37.86	13.68	37.51	38.51	52.54	74	-21.46	Horizontal
12715.350	38.86	14.76	39.02	37.48	52.08	74	-21.92	Horizontal
14706.020	40.77	16.46	40.50	35.34	52.07	74	-21.93	Horizontal
16800.000	42.76	18.24	38.45	31.06	53.61	74	-20.39	Horizontal

Test mode:	802.11a	Frequency(MHz):	5700	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8219.165	36.33	11.41	37.38	40.85	51.21	74	-22.79	Vertical
9742.246	37.55	12.57	36.92	37.82	51.02	74	-22.98	Vertical
11400.000	38.02	13.91	37.71	37.75	51.97	74	-22.03	Vertical
12921.150	38.82	15.33	39.22	36.91	51.84	74	-22.16	Vertical
14915.840	41.15	16.52	40.50	35.16	52.33	74	-21.67	Vertical
17100.000	42.92	19.02	38.11	29.72	53.55	74	-20.45	Vertical
8095.896	36.48	11.22	37.39	38.35	48.66	74	-25.34	Horizontal
9568.983	37.51	12.48	37.01	38.78	51.76	74	-22.24	Horizontal
11400.000	38.02	13.91	37.71	37.26	51.48	74	-22.52	Horizontal
13117.890	38.75	15.58	39.45	36.98	51.86	74	-22.14	Horizontal
15028.970	41.31	16.57	40.47	34.78	52.19	74	-21.81	Horizontal
17100.000	42.92	19.02	38.11	29.56	53.39	74	-20.61	Horizontal

Test mode:	802.11a	Frequency(MHz):	5745	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8188.173	36.37	11.36	37.38	38.95	49.30	74	-24.70	Vertical
9760.666	37.55	12.58	36.91	38.65	51.87	74	-22.13	Vertical
11490.000	38.09	14.01	37.80	37.63	51.93	74	-22.07	Vertical
13130.290	38.75	15.58	39.46	36.44	51.31	74	-22.69	Vertical
15359.010	41.37	16.89	40.13	33.94	52.07	74	-21.93	Vertical
17235.000	43.08	19.50	37.98	28.43	53.03	74	-20.97	Vertical
7840.053	36.51	10.98	37.55	41.05	50.99	74	-23.01	Horizontal
9275.344	37.10	12.15	37.16	39.60	51.69	74	-22.31	Horizontal
11490.000	38.09	14.01	37.80	36.94	51.24	74	-22.76	Horizontal
13192.440	38.72	15.60	39.54	36.78	51.56	74	-22.44	Horizontal
15359.010	41.37	16.89	40.13	34.49	52.62	74	-21.38	Horizontal
17235.000	43.08	19.50	37.98	29.17	53.77	74	-20.23	Horizontal

Test mode:	802.11a	Frequency(MHz):	5785	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8320.702	36.21	11.57	37.37	39.64	50.05	74	-23.95	Vertical
9696.349	37.54	12.55	36.95	38.64	51.78	74	-22.22	Vertical
11570.000	38.17	14.09	37.88	36.70	51.08	74	-22.92	Vertical
13217.380	38.71	15.61	39.57	36.92	51.67	74	-22.33	Vertical
15402.590	41.38	16.93	40.09	34.18	52.40	74	-21.60	Vertical
17355.000	43.23	19.92	37.87	28.34	53.62	74	-20.38	Vertical
8226.932	36.32	11.42	37.38	38.17	48.53	74	-25.47	Horizontal
9659.786	37.53	12.53	36.96	37.99	51.09	74	-22.91	Horizontal
11570.000	38.17	14.09	37.88	36.82	51.20	74	-22.80	Horizontal
13130.290	38.75	15.58	39.46	36.56	51.43	74	-22.57	Horizontal
15071.610	41.31	16.61	40.43	35.01	52.50	74	-21.50	Horizontal
17355.000	43.23	19.92	37.87	28.29	53.57	74	-20.43	Horizontal

Test mode:	802.11a	Frequency(MHz):	5825	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7715.179	36.43	10.91	37.67	41.33	51.00	74	-23.00	Vertical
9275.344	37.10	12.15	37.16	39.43	51.52	74	-22.48	Vertical
11650.000	38.25	14.18	37.96	38.24	52.71	74	-21.29	Vertical
13292.500	38.68	15.63	39.66	37.61	52.26	74	-21.74	Vertical
15229.010	41.35	16.77	40.27	35.51	53.36	74	-20.64	Vertical
17475.000	43.37	20.33	37.77	27.64	53.57	74	-20.43	Vertical
8188.173	36.37	11.36	37.38	39.40	49.75	74	-24.25	Horizontal
9909.283	37.58	12.66	36.84	37.73	51.13	74	-22.87	Horizontal
11650.000	38.25	14.18	37.96	36.99	51.46	74	-22.54	Horizontal
13469.420	38.61	15.67	39.87	36.81	51.22	74	-22.78	Horizontal
15504.760	41.40	17.03	39.99	33.66	52.10	74	-21.90	Horizontal
17475.000	43.37	20.33	37.77	27.10	53.03	74	-20.97	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5180	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7906.979	36.55	11.01	37.49	41.02	51.09	74	-22.91	Vertical
9058.904	36.71	11.87	37.27	41.27	52.58	74	-21.42	Vertical
10360.000	37.24	12.98	36.99	39.27	52.50	74	-21.50	Vertical
13456.710	38.62	15.67	39.86	38.46	52.89	74	-21.11	Vertical
15540.000	41.38	17.07	39.95	34.31	52.81	74	-21.19	Vertical
17546.790	43.49	20.58	37.70	26.79	53.16	74	-20.84	Vertical
7854.876	36.51	10.98	37.54	43.29	53.24	74	-20.76	Horizontal
8982.229	36.58	11.79	37.30	41.81	52.88	74	-21.12	Horizontal
10360.000	37.24	12.98	36.99	40.34	53.57	74	-20.43	Horizontal
12501.010	38.90	14.15	38.81	39.40	53.64	74	-20.36	Horizontal
15540.000	41.38	17.07	39.95	34.56	53.06	74	-20.94	Horizontal
17579.970	43.55	20.69	37.67	26.94	53.51	74	-20.49	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5200	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8535.612	36.04	11.85	37.34	40.93	51.48	74	-22.52	Vertical
10440.000	37.16	13.04	37.03	38.19	51.36	74	-22.64	Vertical
11935.670	38.54	14.49	38.24	37.77	52.56	74	-21.44	Vertical
14001.230	39.20	16.25	40.50	37.60	52.55	74	-21.45	Vertical
15660.000	41.34	17.18	39.83	34.10	52.79	74	-21.21	Vertical
17713.300	43.79	21.15	37.55	26.39	53.78	74	-20.22	Vertical
7781.039	36.47	10.94	37.61	42.02	51.82	74	-22.18	Horizontal
9067.464	36.72	11.88	37.26	41.04	52.38	74	-21.62	Horizontal
10440.000	37.16	13.04	37.03	38.51	51.68	74	-22.32	Horizontal
13006.860	38.80	15.55	39.31	37.16	52.20	74	-21.80	Horizontal
15660.000	41.34	17.18	39.83	33.90	52.59	74	-21.41	Horizontal
17613.210	43.61	20.81	37.64	26.35	53.13	74	-20.87	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5240	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7914.450	36.55	11.02	37.48	42.13	52.22	74	-21.78	Vertical
9093.192	36.77	11.91	37.25	40.49	51.92	74	-22.08	Vertical
10480.000	37.12	13.07	37.05	38.52	51.66	74	-22.34	Vertical
13117.890	38.75	15.58	39.45	38.01	52.89	74	-21.11	Vertical
15720.000	41.31	17.24	39.77	34.16	52.94	74	-21.06	Vertical
17898.290	44.12	21.78	37.39	24.97	53.48	74	-20.52	Vertical
8698.376	36.24	11.83	37.33	40.40	51.14	74	-22.86	Horizontal
10480.000	37.12	13.07	37.05	38.06	51.20	74	-22.80	Horizontal
12003.490	38.60	14.56	38.30	36.90	51.76	74	-22.24	Horizontal
14254.740	39.82	16.33	40.50	36.59	52.24	74	-21.76	Horizontal
15720.000	41.31	17.24	39.77	33.89	52.67	74	-21.33	Horizontal
17646.510	43.67	20.92	37.61	26.23	53.21	74	-20.79	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5260	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7751.699	36.45	10.93	37.64	40.49	50.23	74	-23.77	Vertical
9058.904	36.71	11.87	37.27	39.96	51.27	74	-22.73	Vertical
10520.000	37.12	13.10	37.07	38.04	51.19	74	-22.81	Vertical
12982.310	38.80	15.50	39.28	37.58	52.60	74	-21.40	Vertical
15780.000	41.29	17.29	39.71	33.65	52.52	74	-21.48	Vertical
17579.970	43.55	20.69	37.67	26.45	53.02	74	-20.98	Vertical
8551.751	36.06	11.84	37.34	41.00	51.56	74	-22.44	Horizontal
10520.000	37.12	13.10	37.07	38.22	51.37	74	-22.63	Horizontal
12151.780	38.69	14.43	38.46	38.28	52.94	74	-21.06	Horizontal
14147.450	39.56	16.29	40.50	37.86	53.21	74	-20.79	Horizontal
15780.000	41.29	17.29	39.71	34.68	53.55	74	-20.45	Horizontal
17730.040	43.82	21.21	37.54	25.67	53.16	74	-20.84	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5300	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7892.057	36.54	11.00	37.50	41.21	51.25	74	-22.75	Vertical
9249.101	37.05	12.12	37.17	39.69	51.69	74	-22.31	Vertical
10600.000	37.22	13.16	37.11	38.77	52.04	74	-21.96	Vertical
13130.290	38.75	15.58	39.46	37.80	52.67	74	-21.33	Vertical
15900.000	41.24	17.41	39.60	33.66	52.71	74	-21.29	Vertical
17629.850	43.64	20.87	37.63	26.32	53.20	74	-20.80	Vertical
8665.577	36.20	11.83	37.33	41.22	51.92	74	-22.08	Horizontal
10600.000	37.22	13.16	37.11	38.29	51.56	74	-22.44	Horizontal
12301.900	38.78	14.31	38.61	37.99	52.47	74	-21.53	Horizontal
14254.740	39.82	16.33	40.50	36.68	52.33	74	-21.67	Horizontal
15900.000	41.24	17.41	39.60	34.26	53.31	74	-20.69	Horizontal
17746.790	43.85	21.26	37.52	26.10	53.69	74	-20.31	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5320	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8281.502	36.26	11.51	37.37	41.24	51.64	74	-22.36	Vertical
10640.000	37.27	13.19	37.13	38.46	51.79	74	-22.21	Vertical
12255.510	38.75	14.35	38.56	37.99	52.53	74	-21.47	Vertical
14403.610	40.17	16.37	40.50	36.73	52.77	74	-21.23	Vertical
15960.000	41.22	17.46	39.54	34.29	53.43	74	-20.57	Vertical
17746.790	43.85	21.26	37.52	26.28	53.87	74	-20.13	Vertical
7737.070	36.44	10.92	37.65	40.85	50.56	74	-23.44	Horizontal
9084.608	36.76	11.90	37.26	39.71	51.11	74	-22.89	Horizontal
10640.000	37.27	13.19	37.13	38.79	52.12	74	-21.88	Horizontal
13080.780	38.77	15.57	39.40	38.25	53.19	74	-20.81	Horizontal
15960.000	41.22	17.46	39.54	34.15	53.29	74	-20.71	Horizontal
17830.800	44.00	21.55	37.45	25.81	53.91	74	-20.09	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5500	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7982.010	36.59	11.05	37.42	39.80	50.02	74	-23.98	Vertical
9127.609	36.83	11.96	37.23	39.37	50.93	74	-23.07	Vertical
11000.000	37.70	13.45	37.30	37.78	51.63	74	-22.37	Vertical
13661.600	38.80	15.87	40.10	37.44	52.01	74	-21.99	Vertical
16500.000	42.70	17.59	38.84	31.54	52.99	74	-21.01	Vertical
17847.650	44.03	21.61	37.43	25.53	53.74	74	-20.26	Vertical
8134.217	36.44	11.28	37.39	40.91	51.24	74	-22.76	Horizontal
9425.470	37.37	12.35	37.08	38.39	51.03	74	-22.97	Horizontal
11000.000	37.70	13.45	37.30	38.47	52.32	74	-21.68	Horizontal
13661.600	38.80	15.87	40.10	38.31	52.88	74	-21.12	Horizontal
16500.000	42.70	17.59	38.84	31.94	53.39	74	-20.61	Horizontal
17797.150	43.94	21.44	37.48	26.03	53.93	74	-20.07	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5600	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7944.406	36.57	11.03	37.45	41.28	51.43	74	-22.57	Vertical
9461.145	37.43	12.39	37.06	39.39	52.15	74	-21.85	Vertical
11200.000	37.86	13.68	37.51	38.12	52.15	74	-21.85	Vertical
13610.090	38.73	15.81	40.04	38.50	53.00	74	-21.00	Vertical
16800.000	42.76	18.24	38.45	30.87	53.42	74	-20.58	Vertical
17746.790	43.85	21.26	37.52	26.00	53.59	74	-20.41	Vertical
7951.913	36.57	11.03	37.45	39.58	49.73	74	-24.27	Horizontal
9434.376	37.38	12.36	37.08	38.55	51.21	74	-22.79	Horizontal
11200.000	37.86	13.68	37.51	38.72	52.75	74	-21.25	Horizontal
12994.580	38.80	15.54	39.29	37.34	52.39	74	-21.61	Horizontal
14845.570	41.03	16.50	40.50	35.82	52.85	74	-21.15	Horizontal
16800.000	42.76	18.24	38.45	31.13	53.68	74	-20.32	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5700	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8172.72	36.39	11.34	37.38	39.07	49.42	74	-24.58	Vertical
9541.91	37.51	12.46	37.02	38.00	50.95	74	-23.05	Vertical
11400.00	38.02	13.91	37.71	37.35	51.57	74	-22.43	Vertical
13142.69	38.74	15.59	39.48	37.91	52.76	74	-21.24	Vertical
15043.17	41.31	16.58	40.46	35.84	53.27	74	-20.73	Vertical
17100.00	42.92	19.02	38.11	29.53	53.36	74	-20.64	Vertical
8057.75	36.53	11.15	37.39	40.64	50.93	74	-23.07	Horizontal
9310.45	37.16	12.20	37.14	38.93	51.15	74	-22.85	Horizontal
11400.00	38.02	13.91	37.71	38.44	52.66	74	-21.34	Horizontal
12811.79	38.84	15.03	39.12	38.38	53.13	74	-20.87	Horizontal
14845.57	41.03	16.50	40.50	36.60	53.63	74	-20.37	Horizontal
17100.00	42.92	19.02	38.11	29.81	53.64	74	-20.36	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5745	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8265.873	36.28	11.49	37.37	39.78	50.18	74	-23.82	Vertical
9853.288	37.57	12.63	36.87	38.15	51.48	74	-22.52	Vertical
11490.000	38.09	14.01	37.80	38.13	52.43	74	-21.57	Vertical
13204.910	38.72	15.60	39.55	37.48	52.25	74	-21.75	Vertical
15142.950	41.33	16.68	40.35	35.18	52.84	74	-21.16	Vertical
17235.000	43.08	19.50	37.98	29.01	53.61	74	-20.39	Vertical
8487.380	36.01	11.83	37.35	39.51	50.00	74	-24.00	Horizontal
9641.558	37.53	12.52	36.97	38.75	51.83	74	-22.17	Horizontal
11490.000	38.09	14.01	37.80	38.28	52.58	74	-21.42	Horizontal
13292.500	38.68	15.63	39.66	37.71	52.36	74	-21.64	Horizontal
15157.260	41.33	16.70	40.34	34.81	52.50	74	-21.50	Horizontal
17235.000	43.08	19.50	37.98	28.72	53.32	74	-20.68	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5785	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7989.553	36.59	11.05	37.41	40.20	50.43	74	-23.57	Vertical
9641.558	37.53	12.52	36.97	38.02	51.10	74	-22.90	Vertical
11570.000	38.17	14.09	37.88	37.50	51.88	74	-22.12	Vertical
13142.690	38.74	15.59	39.48	37.39	52.24	74	-21.76	Vertical
15563.440	41.37	17.09	39.93	34.81	53.34	74	-20.66	Vertical
17355.000	43.23	19.92	37.87	28.12	53.40	74	-20.60	Vertical
8681.961	36.22	11.83	37.33	40.79	51.51	74	-22.49	Horizontal
10098.240	37.50	12.79	36.85	38.16	51.60	74	-22.40	Horizontal
11570.000	38.17	14.09	37.88	37.67	52.05	74	-21.95	Horizontal
13167.540	38.73	15.59	39.51	37.48	52.29	74	-21.71	Horizontal
15315.550	41.36	16.85	40.18	35.21	53.24	74	-20.76	Horizontal
17355.000	43.23	19.92	37.87	28.30	53.58	74	-20.42	Horizontal

Test mode:	802.11n(HT20)	Frequency(MHz):	5825	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8624.752	36.15	11.83	37.34	39.48	50.12	74	-23.88	Vertical
10041.180	37.56	12.74	36.82	37.64	51.12	74	-22.88	Vertical
11650.000	38.25	14.18	37.96	38.04	52.51	74	-21.49	Vertical
13469.420	38.61	15.67	39.87	38.01	52.42	74	-21.58	Vertical
15490.120	41.40	17.02	40.00	34.39	52.81	74	-21.19	Vertical
17475.000	43.37	20.33	37.77	27.83	53.76	74	-20.24	Vertical
8447.395	36.06	11.77	37.35	40.65	51.13	74	-22.87	Horizontal
9928.019	37.59	12.67	36.83	38.07	51.50	74	-22.50	Horizontal
11650.000	38.25	14.18	37.96	38.20	52.67	74	-21.33	Horizontal
13948.430	39.14	16.19	40.44	37.36	52.25	74	-21.75	Horizontal
15965.420	41.21	17.47	39.53	33.97	53.12	74	-20.88	Horizontal
17475.000	43.37	20.33	37.77	27.32	53.25	74	-20.75	Horizontal

Test mode:	802.11n(HT40)		Frequency(MHz):	5190	Remark:		Peak
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8731.299	36.28	11.82	37.33	38.37	49.14	74	-24.86	Vertical
10380.000	37.22	13.00	37.00	37.50	50.72	74	-23.28	Vertical
11868.220	38.47	14.42	38.17	36.77	51.49	74	-22.51	Vertical
13405.960	38.64	15.66	39.80	37.01	51.51	74	-22.49	Vertical
15570.000	41.37	17.09	39.92	34.30	52.84	74	-21.16	Vertical
17780.350	43.91	21.38	37.49	25.70	53.50	74	-20.50	Vertical
8336.434	36.19	11.60	37.37	39.28	49.70	74	-24.30	Horizontal
10380.000	37.22	13.00	37.00	37.36	50.58	74	-23.42	Horizontal
12278.680	38.77	14.33	38.59	37.07	51.58	74	-22.42	Horizontal
14281.700	39.88	16.33	40.50	36.04	51.75	74	-22.25	Horizontal
15570.000	41.37	17.09	39.92	34.20	52.74	74	-21.26	Horizontal
17763.560	43.88	21.32	37.51	25.58	53.27	74	-20.73	Horizontal

Test mode:	802.11n(HT40)		Frequency(MHz):	5230	Remark:		Peak
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8258.070	36.29	11.47	37.37	38.56	48.95	74	-25.05	Vertical
10460.000	37.14	13.06	37.04	36.25	49.41	74	-24.59	Vertical
12060.310	38.64	14.51	38.36	35.22	50.01	74	-23.99	Vertical
14001.230	39.20	16.25	40.50	36.12	51.07	74	-22.93	Vertical
15690.000	41.32	17.21	39.80	33.32	52.05	74	-21.95	Vertical
17730.040	43.82	21.21	37.54	25.70	53.19	74	-20.81	Vertical
8624.752	36.15	11.83	37.34	38.82	49.46	74	-24.54	Horizontal
10460.000	37.14	13.06	37.04	36.76	49.92	74	-24.08	Horizontal
12083.110	38.65	14.49	38.39	36.00	50.75	74	-23.25	Horizontal
14014.460	39.24	16.25	40.50	36.10	51.09	74	-22.91	Horizontal
15690.000	41.32	17.21	39.80	33.96	52.69	74	-21.31	Horizontal
17797.150	43.94	21.44	37.48	25.14	53.04	74	-20.96	Horizontal

Test mode:	802.11n(HT40)	Frequency(MHz):	5270	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8375.895	36.15	11.66	37.36	38.52	48.97	74	-25.03	Vertical
10540.000	37.15	13.12	37.08	36.30	49.49	74	-24.51	Vertical
12105.960	38.66	14.47	38.41	35.80	50.52	74	-23.48	Vertical
14027.700	39.27	16.26	40.50	36.47	51.50	74	-22.50	Vertical
15810.000	41.28	17.32	39.69	33.84	52.75	74	-21.25	Vertical
17797.150	43.94	21.44	37.48	25.65	53.55	74	-20.45	Vertical
8624.752	36.15	11.83	37.34	38.82	49.46	74	-24.54	Horizontal
10540.000	37.15	13.12	37.08	36.41	49.60	74	-24.40	Horizontal
12083.110	38.65	14.49	38.39	36.00	50.75	74	-23.25	Horizontal
14014.460	39.24	16.25	40.50	36.10	51.09	74	-22.91	Horizontal
15810.000	41.28	17.32	39.69	33.48	52.39	74	-21.61	Horizontal
17864.510	44.06	21.66	37.42	25.67	53.97	74	-20.03	Horizontal

Test mode:	802.11n(HT40)	Frequency(MHz):	5310	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8698.376	36.24	11.83	37.33	38.54	49.28	74	-24.72	Vertical
10620.000	37.25	13.18	37.12	36.03	49.34	74	-24.66	Vertical
12105.960	38.66	14.47	38.41	35.80	50.52	74	-23.48	Vertical
14281.700	39.88	16.33	40.50	36.08	51.79	74	-22.21	Vertical
15930.000	41.23	17.43	39.57	33.19	52.28	74	-21.72	Vertical
17797.150	43.94	21.44	37.48	25.27	53.17	74	-20.83	Vertical
7936.906	36.56	11.03	37.46	38.61	48.74	74	-25.26	Horizontal
10620.000	37.25	13.18	37.12	35.78	49.09	74	-24.91	Horizontal
12140.310	38.69	14.44	38.45	36.23	50.91	74	-23.09	Horizontal
14281.700	39.88	16.33	40.50	35.48	51.19	74	-22.81	Horizontal
15930.000	41.23	17.43	39.57	33.48	52.57	74	-21.43	Horizontal
17780.350	43.91	21.38	37.49	25.43	53.23	74	-20.77	Horizontal

Test mode:	802.11n(HT40)	Frequency(MHz):	5510	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8004.659	36.59	11.07	37.40	39.28	49.54	74	-24.46	Vertical
9310.451	37.16	12.20	37.14	37.82	50.04	74	-23.96	Vertical
11020.000	37.72	13.47	37.32	36.29	50.16	74	-23.84	Vertical
12395.200	38.84	14.23	38.70	37.52	51.89	74	-22.11	Vertical
14390.010	40.14	16.37	40.50	36.26	52.27	74	-21.73	Vertical
16530.000	42.71	17.66	38.80	32.25	53.82	74	-20.18	Vertical
7936.906	36.56	11.03	37.46	39.61	49.74	74	-24.26	Horizontal
9487.990	37.48	12.42	37.05	37.06	49.91	74	-24.09	Horizontal
11020.000	37.72	13.47	37.32	36.33	50.20	74	-23.80	Horizontal
12945.580	38.81	15.40	39.25	37.04	52.00	74	-22.00	Horizontal
14636.740	40.65	16.44	40.50	35.61	52.20	74	-21.80	Horizontal
16530.000	42.71	17.66	38.80	32.32	53.89	74	-20.11	Horizontal

Test mode:	802.11n(HT40)	Frequency(MHz):	5590	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8080.618	36.50	11.19	37.39	38.86	49.16	74	-24.84	Vertical
9523.902	37.50	12.45	37.03	37.15	50.07	74	-23.93	Vertical
11180.000	37.85	13.66	37.49	36.87	50.89	74	-23.11	Vertical
13043.770	38.78	15.56	39.35	36.77	51.76	74	-22.24	Vertical
14859.600	41.05	16.50	40.50	35.34	52.39	74	-21.61	Vertical
16770.000	42.75	18.18	38.49	30.90	53.34	74	-20.66	Vertical
8281.502	36.26	11.51	37.37	39.24	49.64	74	-24.36	Horizontal
9578.025	37.52	12.48	37.00	36.83	49.83	74	-24.17	Horizontal
11180.000	37.85	13.66	37.49	36.78	50.80	74	-23.20	Horizontal
12787.610	38.84	14.96	39.09	36.35	51.06	74	-22.94	Horizontal
14554.030	40.50	16.41	40.50	35.83	52.24	74	-21.76	Horizontal
16770.000	42.75	18.18	38.49	31.10	53.54	74	-20.46	Horizontal

Test mode:	802.11n(HT40)	Frequency(MHz):	5670	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8281.502	36.26	11.51	37.37	38.90	49.30	74	-24.70	Vertical
9559.950	37.51	12.47	37.01	36.93	49.90	74	-24.10	Vertical
11340.000	37.97	13.84	37.65	36.41	50.57	74	-23.43	Vertical
13043.770	38.78	15.56	39.35	36.03	51.02	74	-22.98	Vertical
15171.580	41.33	16.71	40.32	34.27	51.99	74	-22.01	Vertical
17010.000	42.81	18.71	38.19	30.63	53.96	74	-20.04	Vertical
7847.461	36.51	10.98	37.54	39.13	49.08	74	-24.92	Horizontal
9231.646	37.02	12.10	37.18	37.74	49.68	74	-24.32	Horizontal
11340.000	37.97	13.84	37.65	36.77	50.93	74	-23.07	Horizontal
13142.690	38.74	15.59	39.48	36.53	51.38	74	-22.62	Horizontal
15315.550	41.36	16.85	40.18	35.01	53.04	74	-20.96	Horizontal
17010.000	42.81	18.71	38.19	30.39	53.72	74	-20.28	Horizontal

Test mode:	802.11n(HT40)	Frequency(MHz):	5755	Remark:	Peak

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7936.906	36.56	11.03	37.46	39.19	49.32	74	-24.68	Vertical
9587.075	37.52	12.49	37.00	37.26	50.27	74	-23.73	Vertical
11510.000	38.11	14.03	37.82	35.99	50.31	74	-23.69	Vertical
13380.670	38.65	15.65	39.77	37.18	51.71	74	-22.29	Vertical
15402.590	41.38	16.93	40.09	34.34	52.56	74	-21.44	Vertical
17265.000	43.12	19.60	37.96	28.77	53.53	74	-20.47	Vertical
8211.406	36.34	11.40	37.38	38.73	49.09	74	-24.91	Horizontal
9505.929	37.50	12.44	37.04	36.74	49.64	74	-24.36	Horizontal
11510.000	38.11	14.03	37.82	35.99	50.31	74	-23.69	Horizontal
13155.110	38.74	15.59	39.49	37.08	51.92	74	-22.08	Horizontal
14915.840	41.15	16.52	40.50	35.75	52.92	74	-21.08	Horizontal
17265.000	43.12	19.60	37.96	28.74	53.50	74	-20.50	Horizontal

Test mode:	802.11n(HT40)		Frequency(MHz):	5795	Remark:		Peak
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
8281.502	36.26	11.51	37.37	39.00	49.40	74	-24.60	Vertical
9641.558	37.53	12.52	36.97	36.61	49.69	74	-24.31	Vertical
11590.000	38.19	14.12	37.90	36.34	50.75	74	-23.25	Vertical
13279.950	38.69	15.62	39.64	36.90	51.57	74	-22.43	Vertical
15460.890	41.39	16.99	40.03	34.57	52.92	74	-21.08	Vertical
17385.000	43.26	20.02	37.85	27.85	53.28	74	-20.72	Vertical
7929.414	36.56	11.02	37.47	39.03	49.14	74	-24.86	Horizontal
9568.983	37.51	12.48	37.01	36.93	49.91	74	-24.09	Horizontal
11590.000	38.19	14.12	37.90	36.52	50.93	74	-23.07	Horizontal
13778.220	38.94	16.00	40.24	36.85	51.55	74	-22.45	Horizontal
15402.590	41.38	16.93	40.09	33.91	52.13	74	-21.87	Horizontal
17385.000	43.26	20.02	37.85	27.91	53.34	74	-20.66	Horizontal

Remark:
1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
2) Scan from 9kHz to 40GHz,The disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .
3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20dB under any condition of modulation. So, only the peak measurements were shown in the report.

6.8 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15 Section 15.407(b)
Test Method:	ANSI C63.10: 2013
Test Site:	Measurement Distance: 3m

Limit:

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

Test Setup:

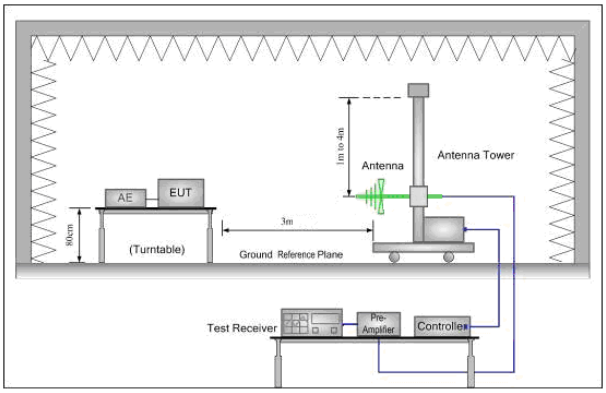


Figure 1. 30MHz to 1GHz

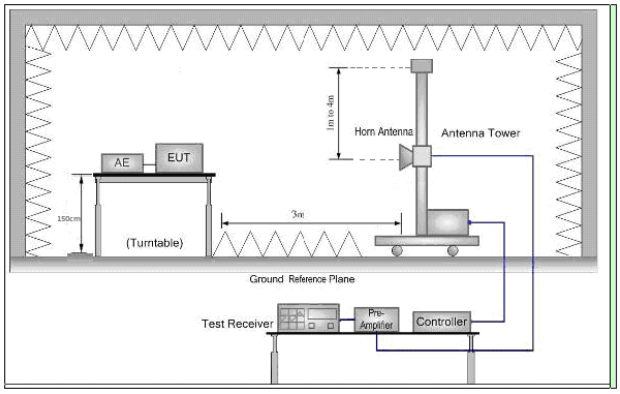


Figure 2. Above 1 GHz

Test Procedure:

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

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

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

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

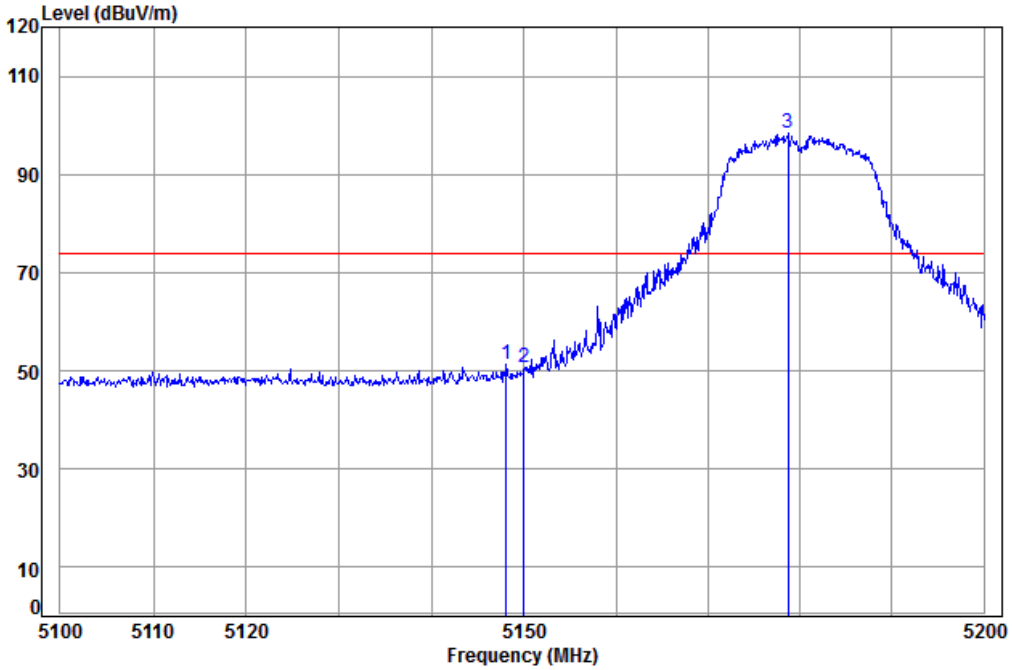
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel

	g. Test the EUT in the outermost channels. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCSO of rate is the worst case of 802.11n(HT20); MCSO of rate is the worst case of 802.11n(HT40); Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

Test plot as follows:

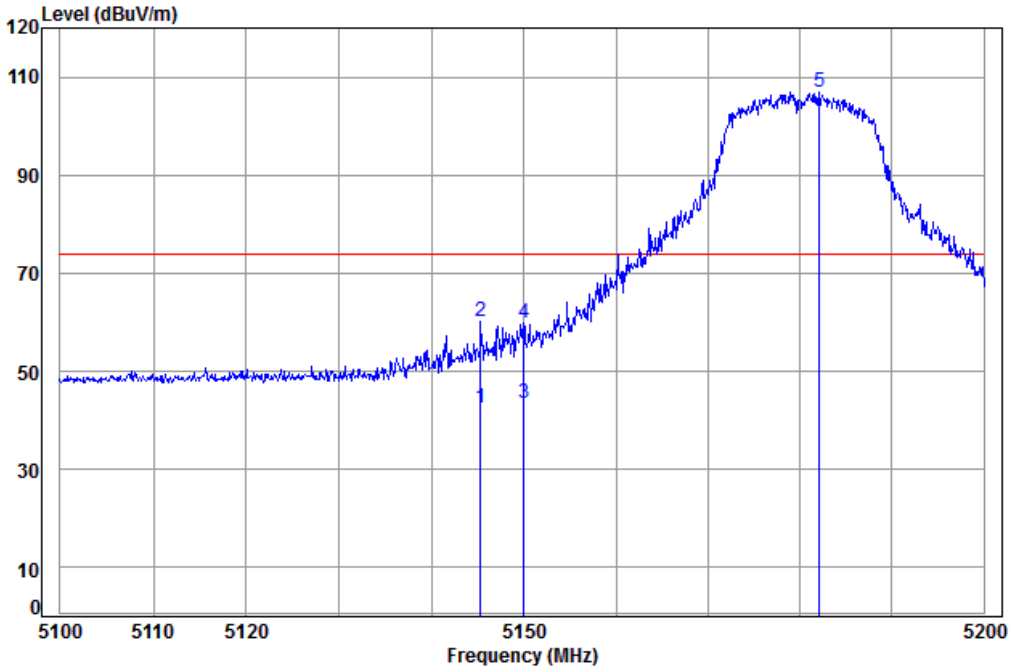
Test mode:	A20	Test channel:	5180	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5180 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.058	8.08	34.47	38.47	47.18	51.26	74.00	-22.74
2	5150.000	8.08	34.47	38.47	46.56	50.64	74.00	-23.36
3 pp	5178.638	8.09	34.46	38.46	94.35	98.44	74.00	24.44

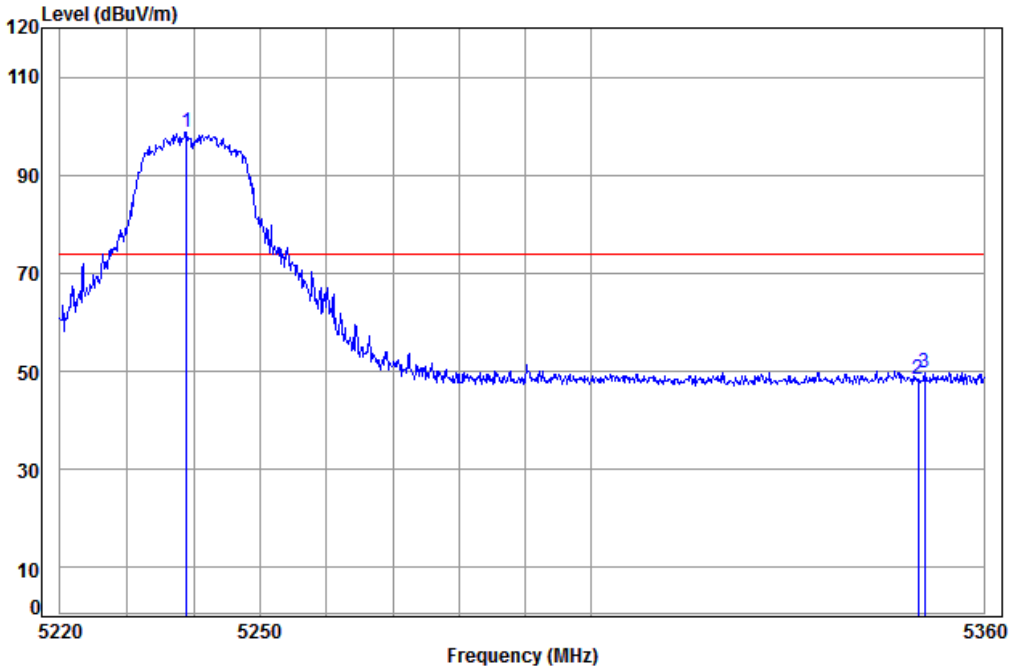
Test mode:	A20	Test channel:	5180	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5180 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.259	8.08	34.47	38.47	38.30	42.38	54.00	-11.62
2 pk	5145.259	8.08	34.47	38.47	56.14	60.22	74.00	-13.78
3 av	5150.000	8.08	34.47	38.47	39.28	43.36	54.00	-10.64
4	5150.000	8.08	34.47	38.47	55.60	59.68	74.00	-14.32
5 pp	5182.058	8.09	34.46	38.46	102.88	106.97	74.00	32.97

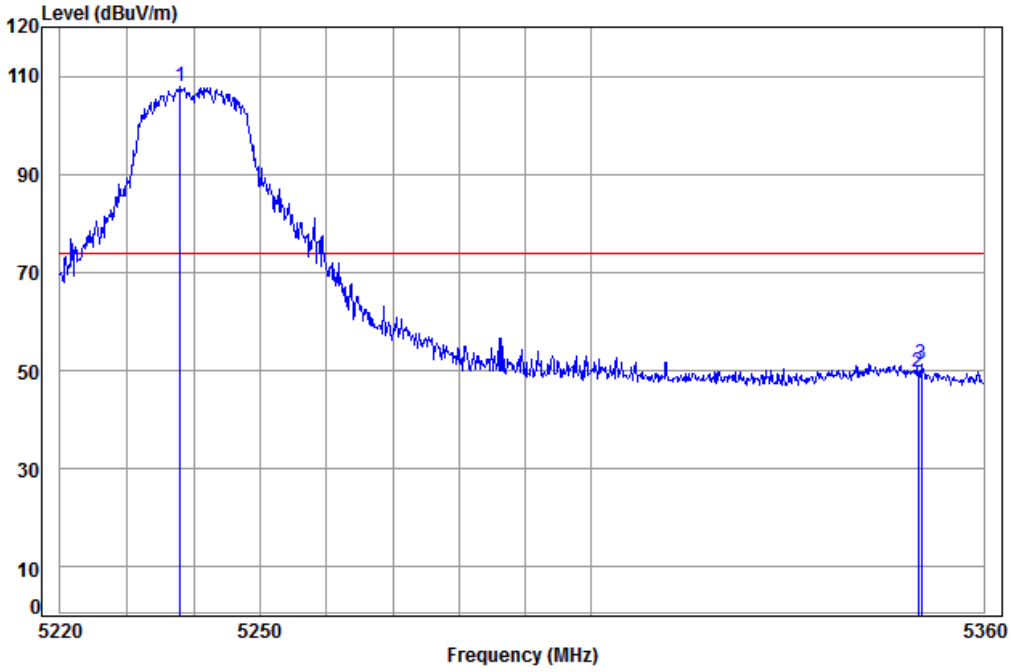
Test mode:	A20	Test channel:	5240	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5240 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5238.961	8.12	34.45	38.45	94.66	98.78	74.00	24.78
2	5350.000	8.18	34.43	38.43	44.31	48.49	74.00	-25.51
3	5350.929	8.18	34.43	38.43	45.46	49.64	74.00	-24.36

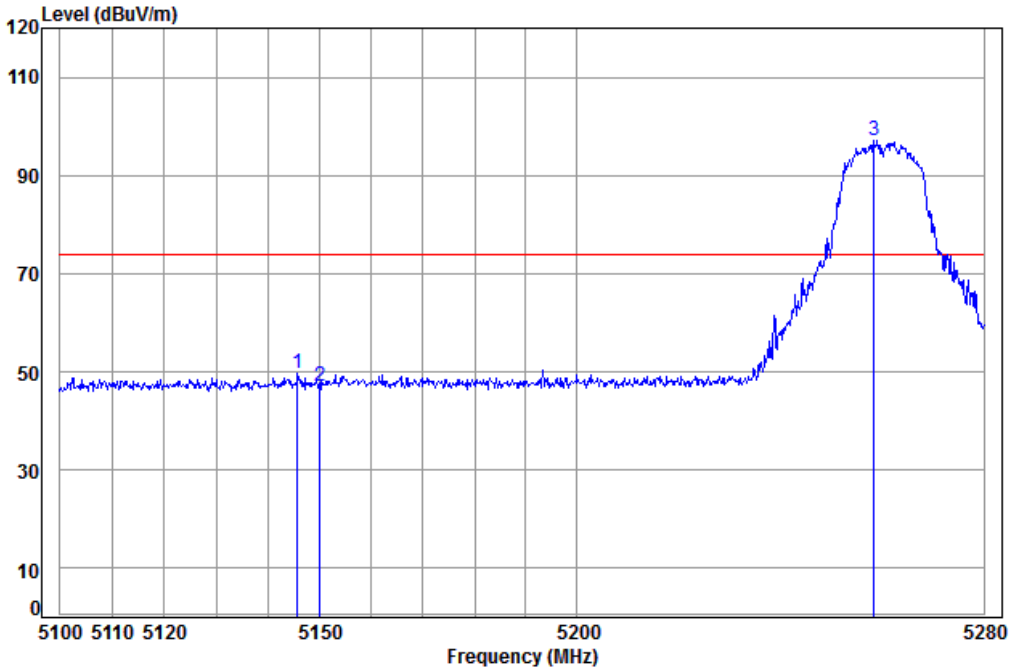
Test mode:	A20	Test channel:	5240	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5240 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5237.991	8.12	34.45	38.45	103.69	107.81	74.00	33.81
2	5350.000	8.18	34.43	38.43	45.50	49.68	74.00	-24.32
3	5350.504	8.18	34.43	38.43	47.20	51.38	74.00	-22.62

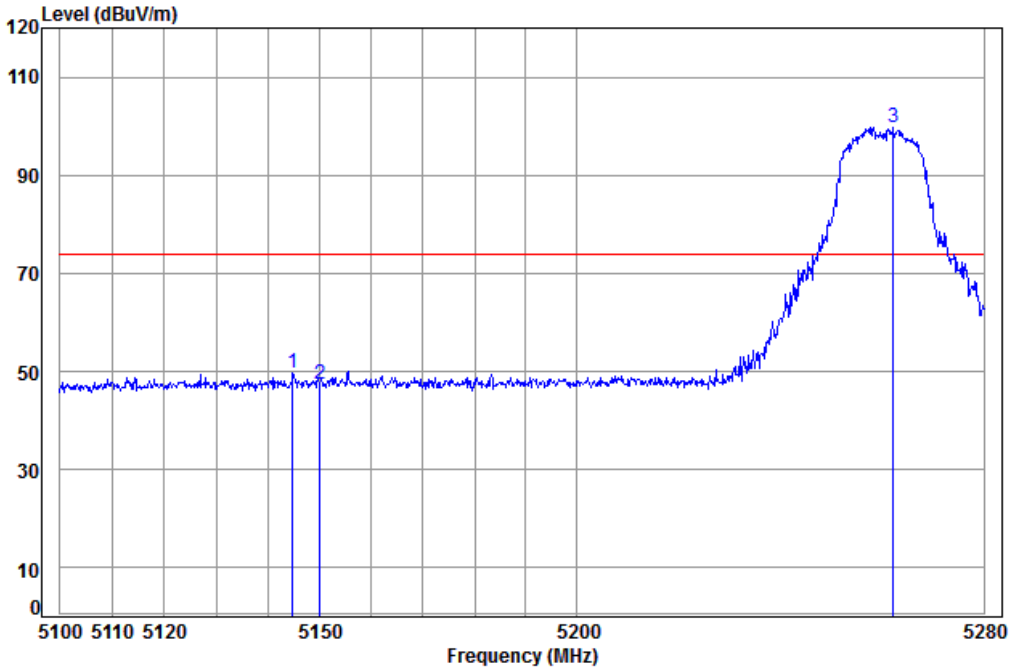
Test mode:	A20	Test channel:	5260	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5260 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.666	8.08	34.47	38.47	45.47	49.55	74.00	-24.45
2	5150.000	8.08	34.47	38.47	43.14	47.22	74.00	-26.78
3 pp	5258.251	8.13	34.45	38.45	93.08	97.21	74.00	23.21

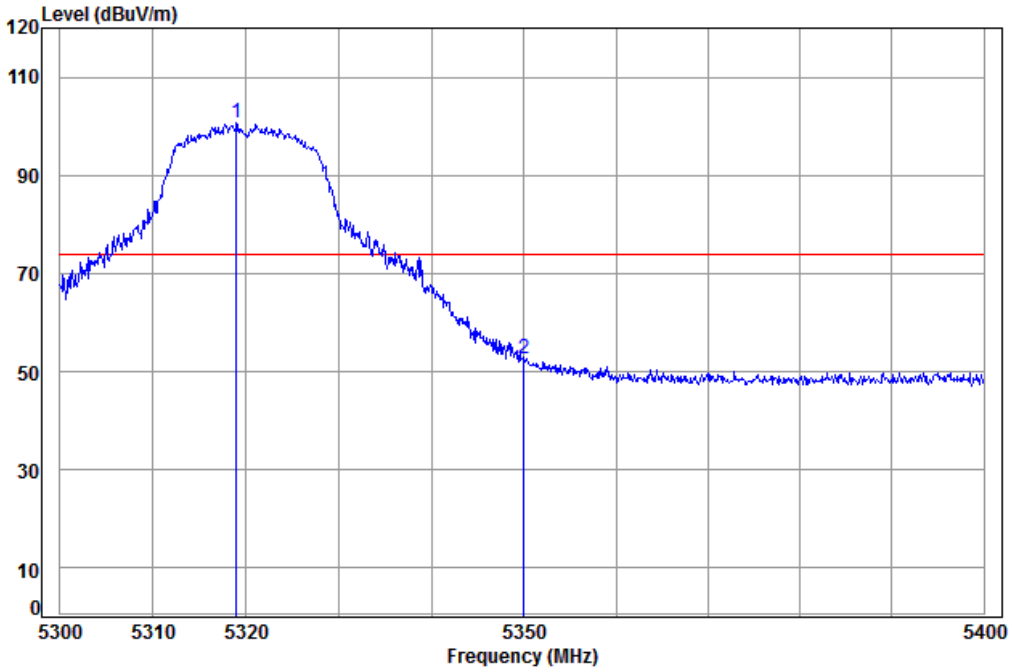
Test mode:	A20	Test channel:	5260	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5260 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.773	8.07	34.47	38.47	45.59	49.66	74.00	-24.34
2	5150.000	8.08	34.47	38.47	43.45	47.53	74.00	-26.47
3 pp	5262.083	8.13	34.45	38.45	95.63	99.76	74.00	25.76

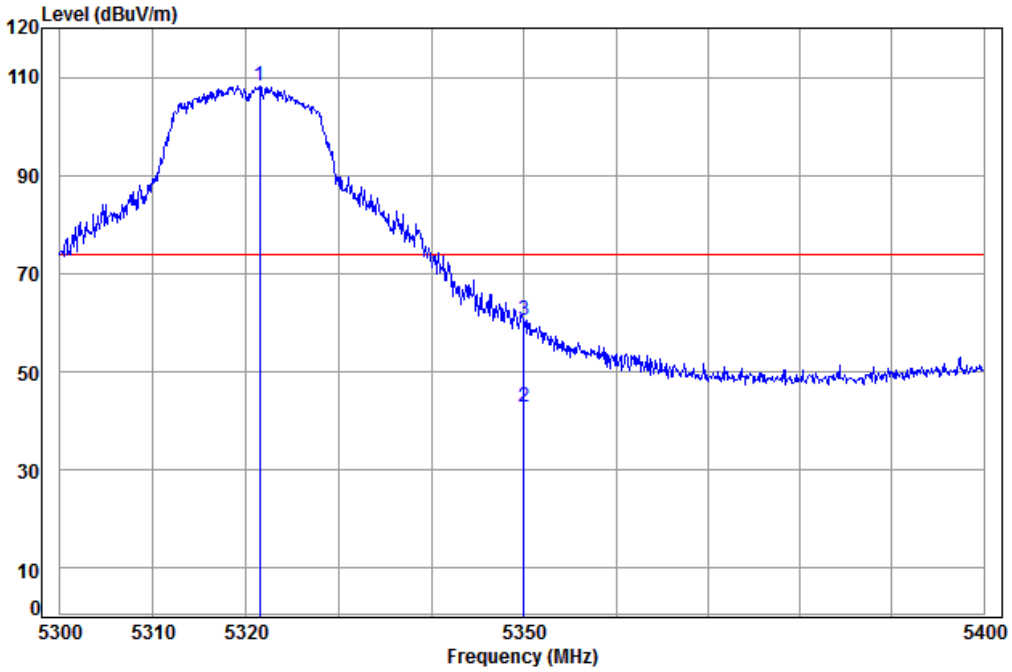
Test mode:	A20	Test channel:	5320	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5320 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5318.956	8.16	34.44	38.44	96.48	100.64	74.00	26.64
2	5350.000	8.18	34.43	38.43	48.62	52.80	74.00	-21.20

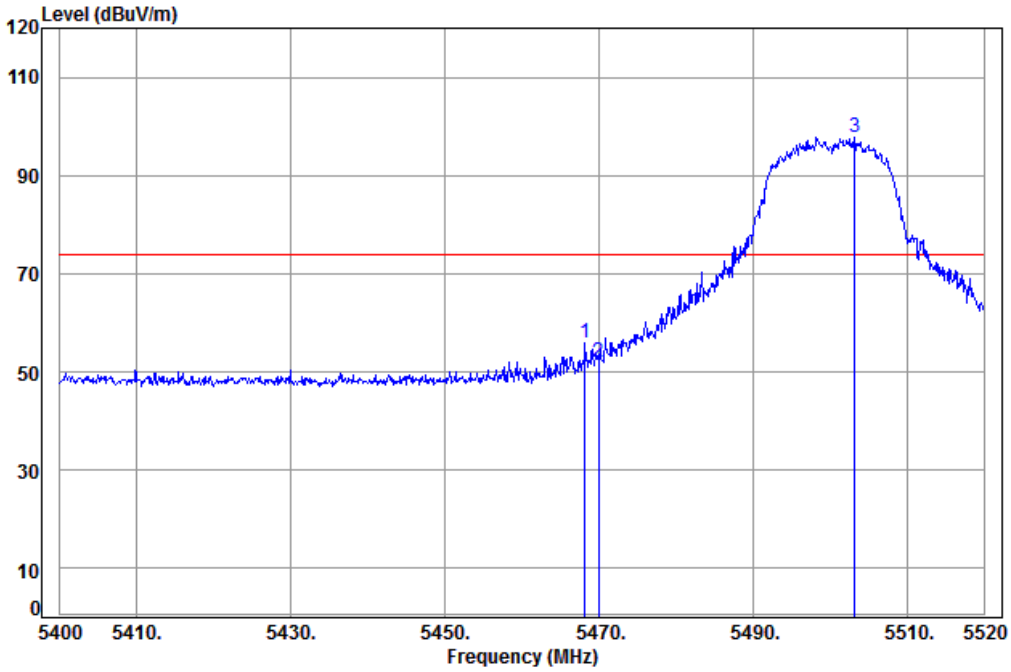
Test mode:	A20	Test channel:	5320	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5320 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5321.442	8.16	34.43	38.44	104.08	108.23	74.00	34.23
2 av	5350.000	8.18	34.43	38.43	38.59	42.77	54.00	-11.23
3 pk	5350.000	8.18	34.43	38.43	56.37	60.55	74.00	-13.45

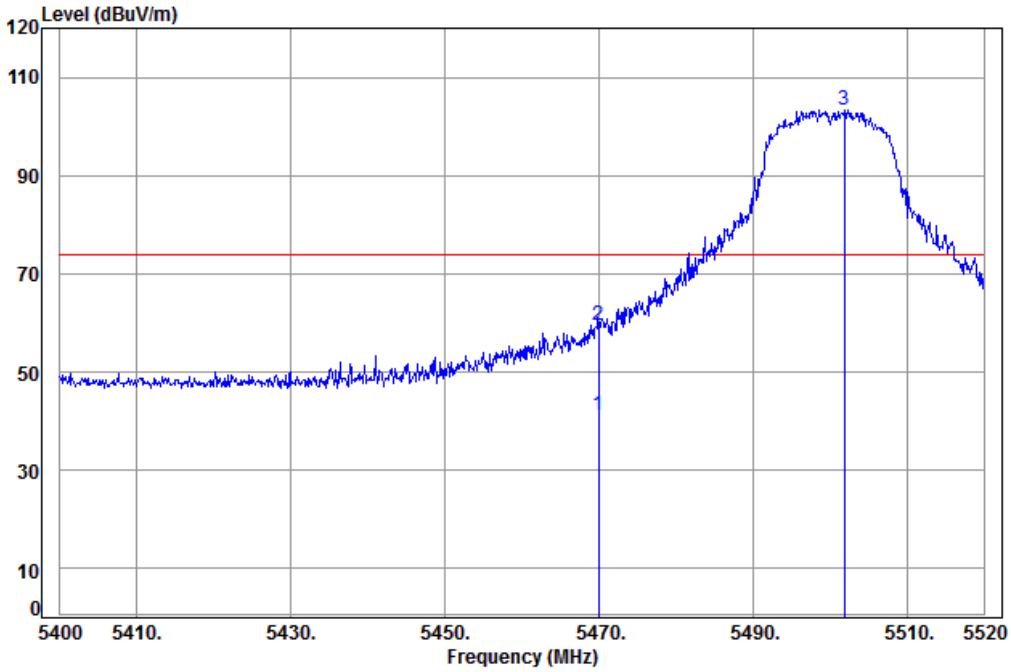
Test mode:	A20	Test channel:	5500	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5500 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5468.160	8.23	34.41	38.41	51.80	56.03	74.00	-17.97
2	5470.000	8.24	34.41	38.41	47.64	51.88	74.00	-22.12
3 pp	5503.200	8.25	34.40	38.40	93.51	97.76	74.00	23.76

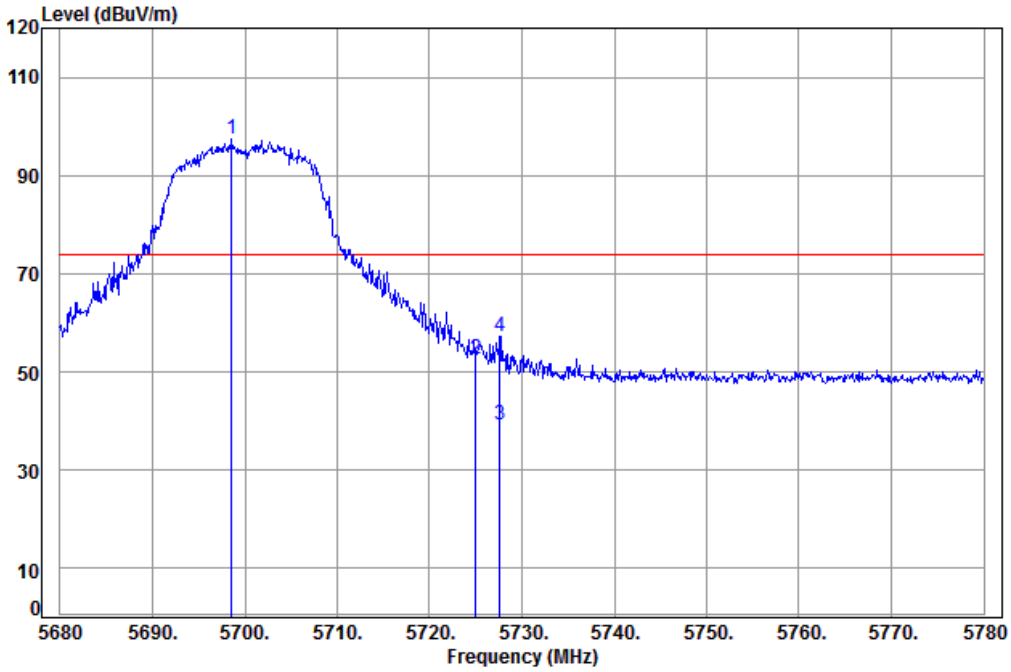
Test mode:	A20	Test channel:	5500	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5500 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	av 5470.000	8.24	34.41	38.41	36.83	41.07	54.00	-12.93
2	pk 5470.000	8.24	34.41	38.41	55.21	59.45	74.00	-14.55
3	pp 5501.880	8.25	34.40	38.40	98.97	103.22	74.00	29.22

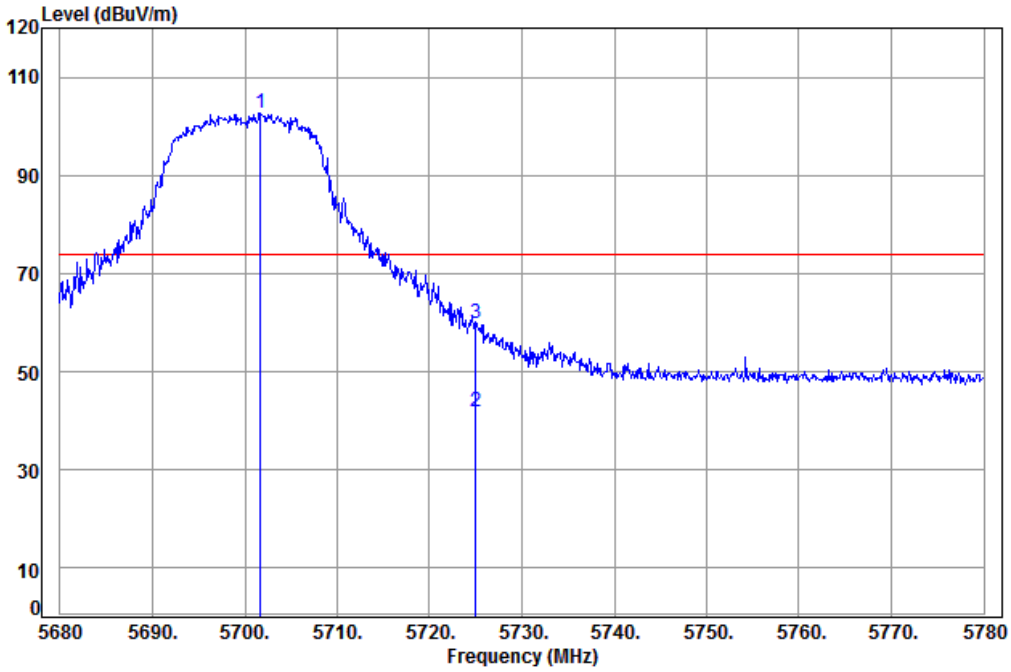
Test mode:	A20	Test channel:	5700	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5700 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5698.600	8.45	34.52	38.36	92.95	97.56	74.00	23.56
2	5725.000	8.48	34.54	38.35	47.90	52.57	74.00	-21.43
3	av 5727.600	8.48	34.54	38.35	34.57	39.24	54.00	-14.76
4	pk 5727.600	8.48	34.54	38.35	52.68	57.35	74.00	-16.65

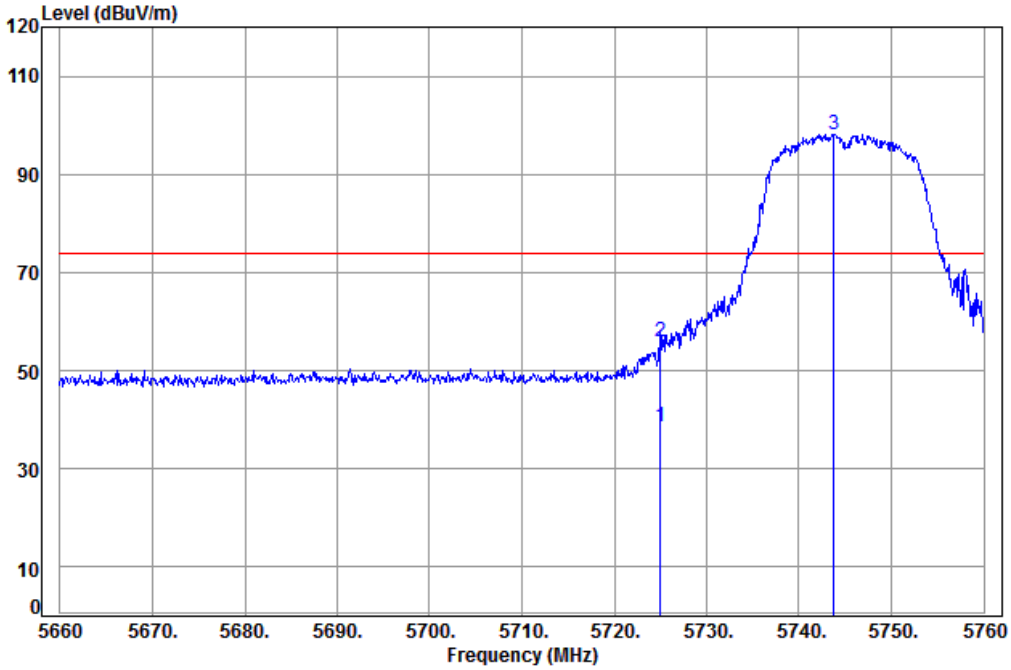
Test mode:	A20	Test channel:	5700	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5700 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5701.700	8.46	34.52	38.36	98.13	102.75	74.00	28.75
2 av	5725.000	8.48	34.54	38.35	37.30	41.97	54.00	-12.03
3 pk	5725.000	8.48	34.54	38.35	55.10	59.77	74.00	-14.23

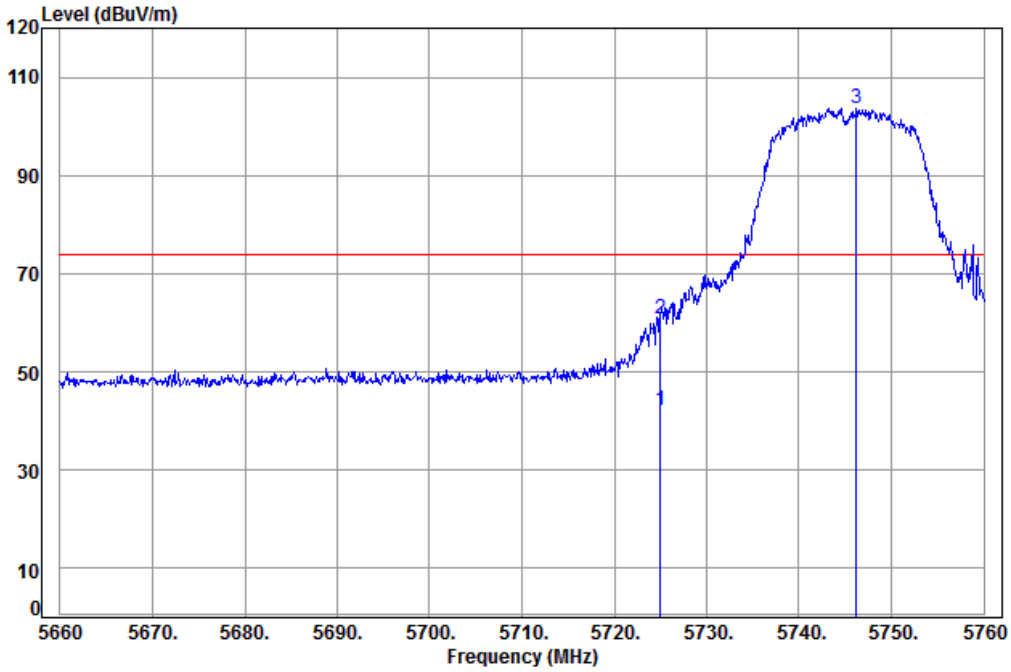
Test mode:	A20	Test channel:	5745	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5745 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	av 5725.000	8.48	34.54	38.35	33.75	38.42	54.00	-15.58
2	pk 5725.000	8.48	34.54	38.35	51.36	56.03	74.00	-17.97
3	pp 5743.800	8.50	34.55	38.35	93.52	98.22	74.00	24.22

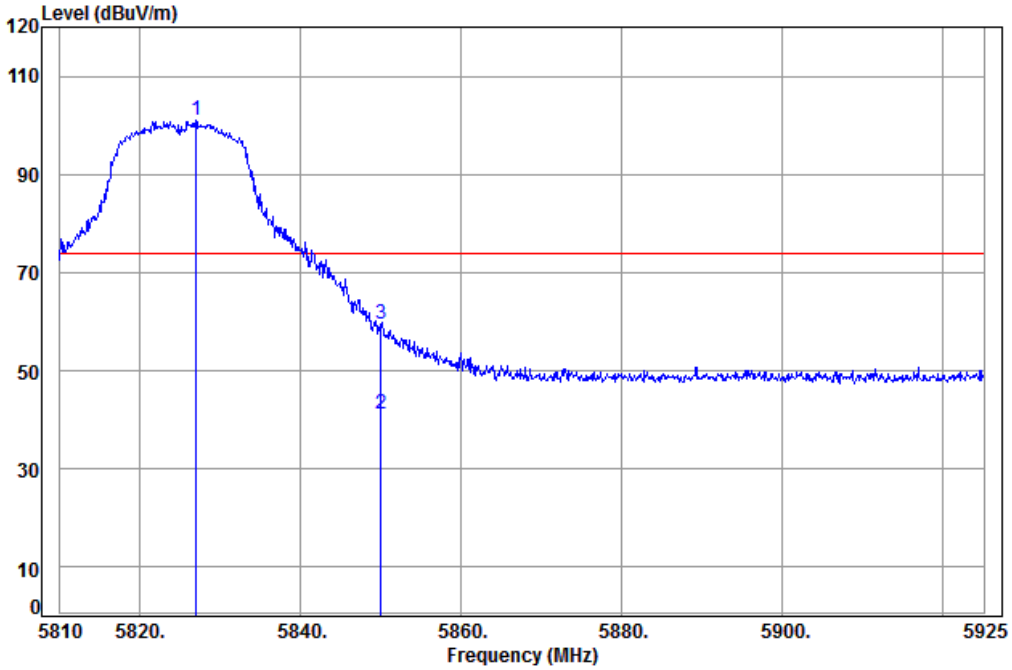
Test mode:	A20	Test channel:	5745	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5745 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	av 5725.000	8.48	34.54	38.35	37.37	42.04	54.00	-11.96
2	pk 5725.000	8.48	34.54	38.35	56.00	60.67	74.00	-13.33
3	pp 5746.200	8.50	34.55	38.35	98.93	103.63	74.00	29.63

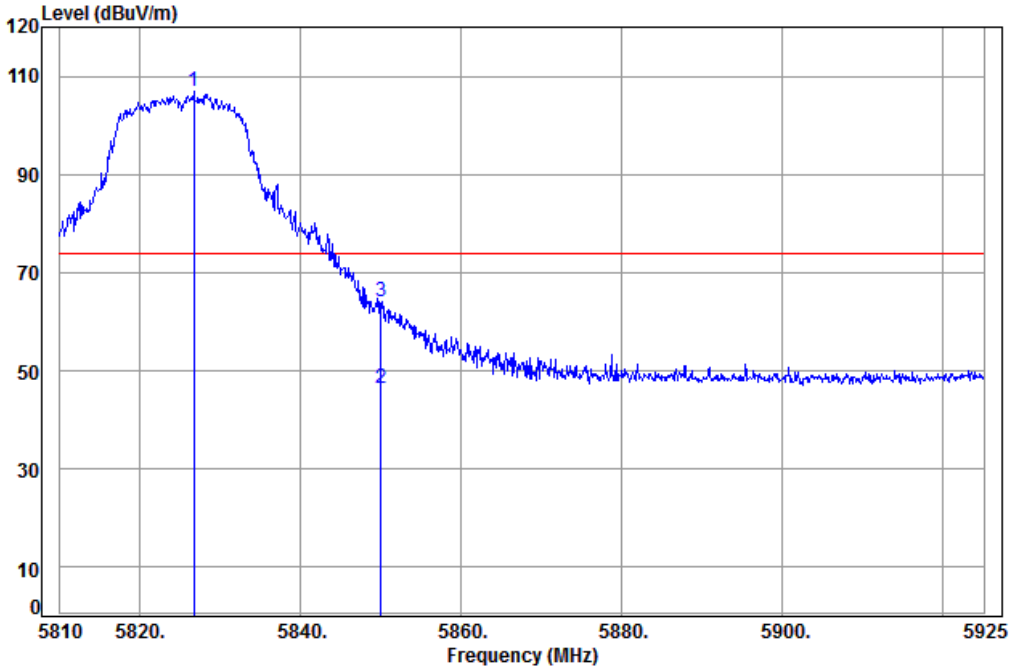
Test mode:	A20	Test channel:	5825	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5825 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5826.905	8.58	34.60	38.33	96.12	100.97	74.00	26.97
2 av	5850.000	8.60	34.61	38.33	36.33	41.21	54.00	-12.79
3 pk	5850.000	8.60	34.61	38.33	54.53	59.41	74.00	-14.59

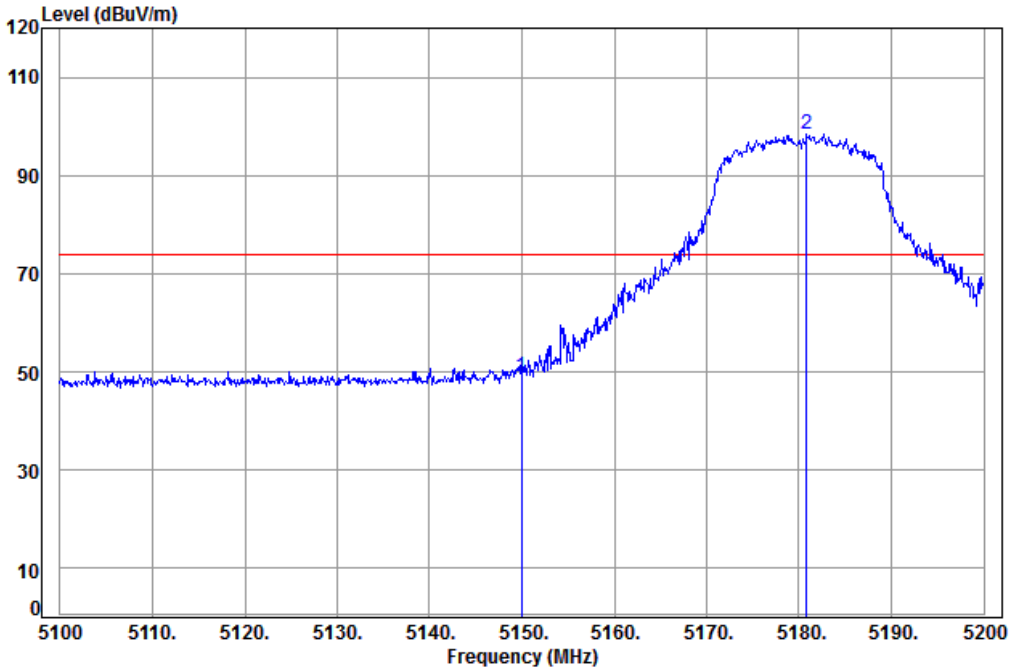
Test mode:	A20	Test channel:	5825	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5825 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5826.675	8.58	34.60	38.33	101.97	106.82	74.00	32.82
2	av 5850.000	8.60	34.61	38.33	41.62	46.50	54.00	-7.50
3	pk 5850.000	8.60	34.61	38.33	59.18	64.06	74.00	-9.94

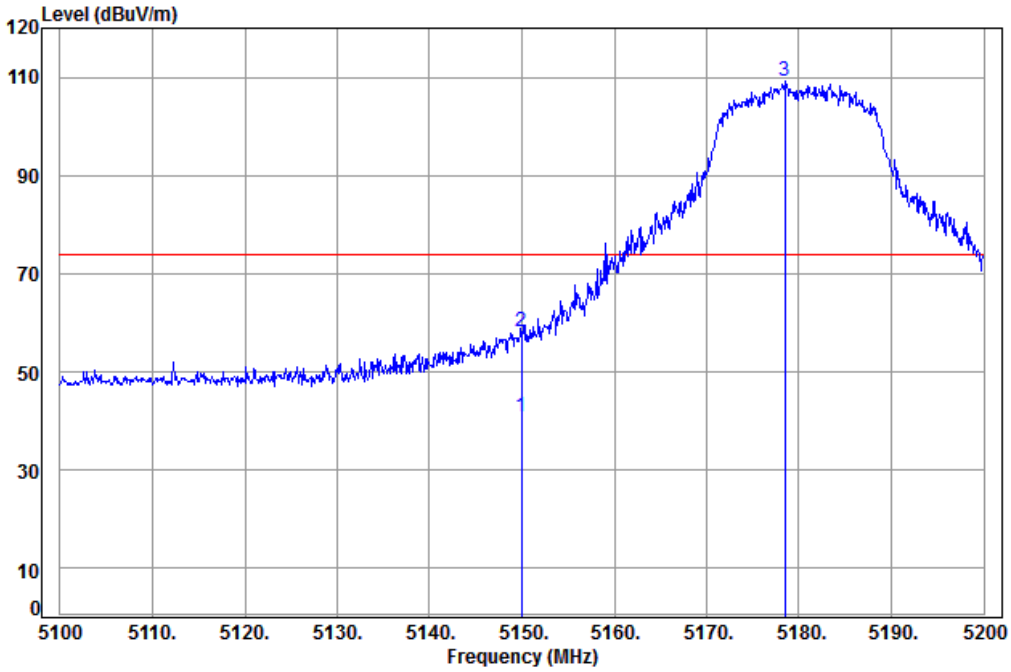
Test mode:	N20	Test channel:	5180	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5180 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.000	8.08	34.47	38.47	45.03	49.11	74.00	-24.89
2 pp	5180.800	8.09	34.46	38.46	94.44	98.53	74.00	24.53

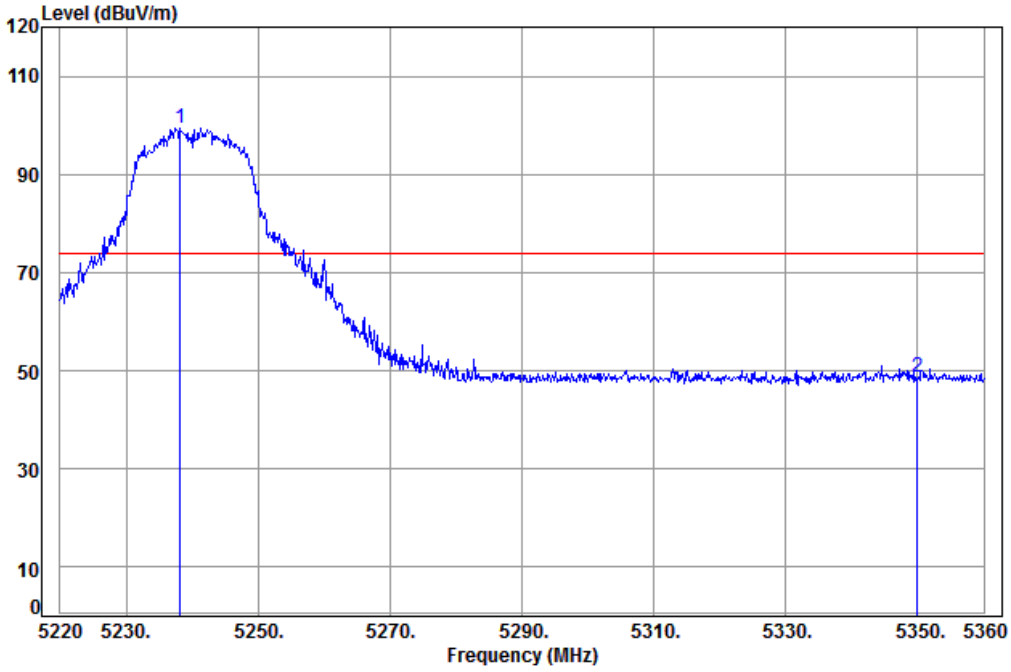
Test mode:	N20	Test channel:	5180	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5180 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	av 5150.000	8.08	34.47	38.47	36.81	40.89	54.00	-13.11
2	pk 5150.000	8.08	34.47	38.47	54.11	58.19	74.00	-15.81
3	pp 5178.500	8.09	34.46	38.46	105.09	109.18	74.00	35.18

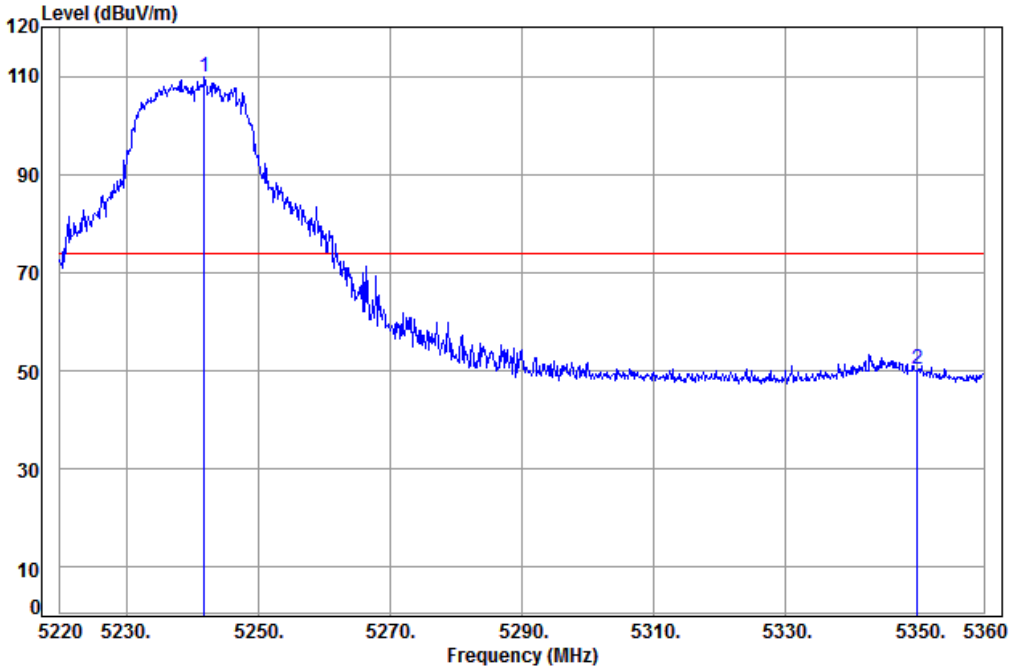
Test mode:	N20	Test channel:	5240	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5240 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5238.200	8.12	34.45	38.45	95.36	99.48	74.00	25.48
2	5350.000	8.18	34.43	38.43	44.42	48.60	74.00	-25.40

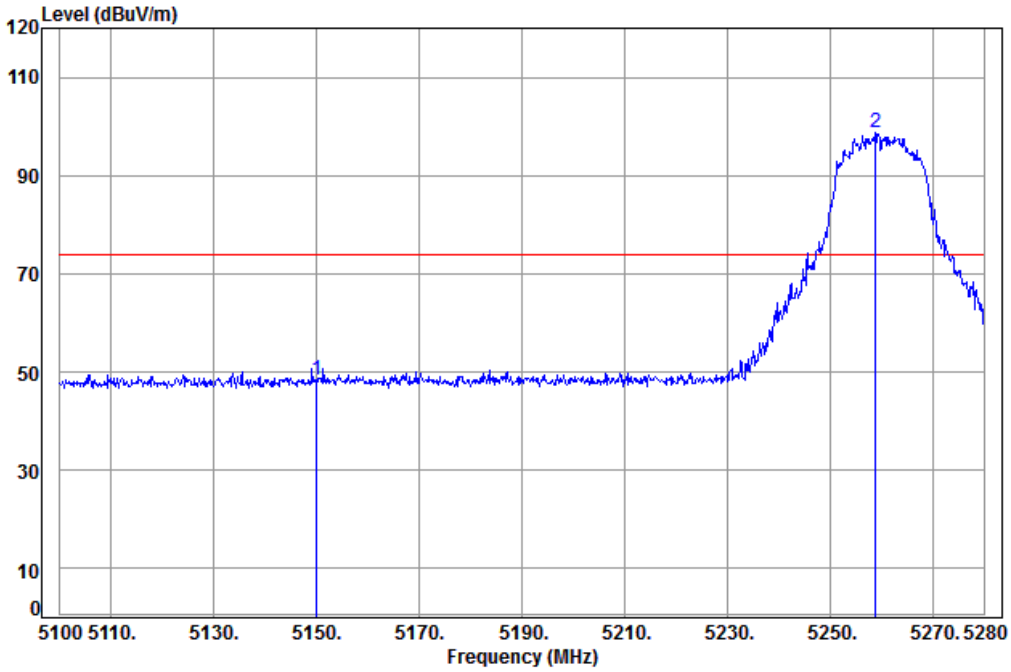
Test mode:	N20	Test channel:	5240	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5240 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5241.840	8.12	34.45	38.45	105.59	109.71	74.00	35.71
2	5350.000	8.18	34.43	38.43	46.06	50.24	74.00	-23.76

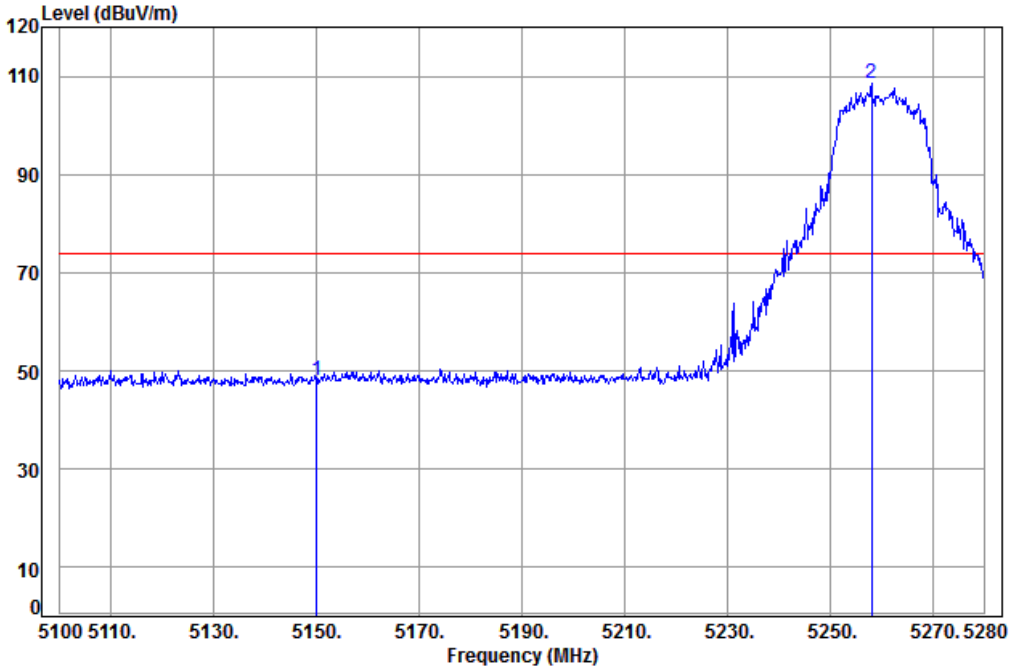
Test mode:	N20	Test channel:	5260	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5260 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.000	8.08	34.47	38.47	44.24	48.32	74.00	-25.68
2 pp	5258.940	8.13	34.45	38.45	94.77	98.90	74.00	24.90

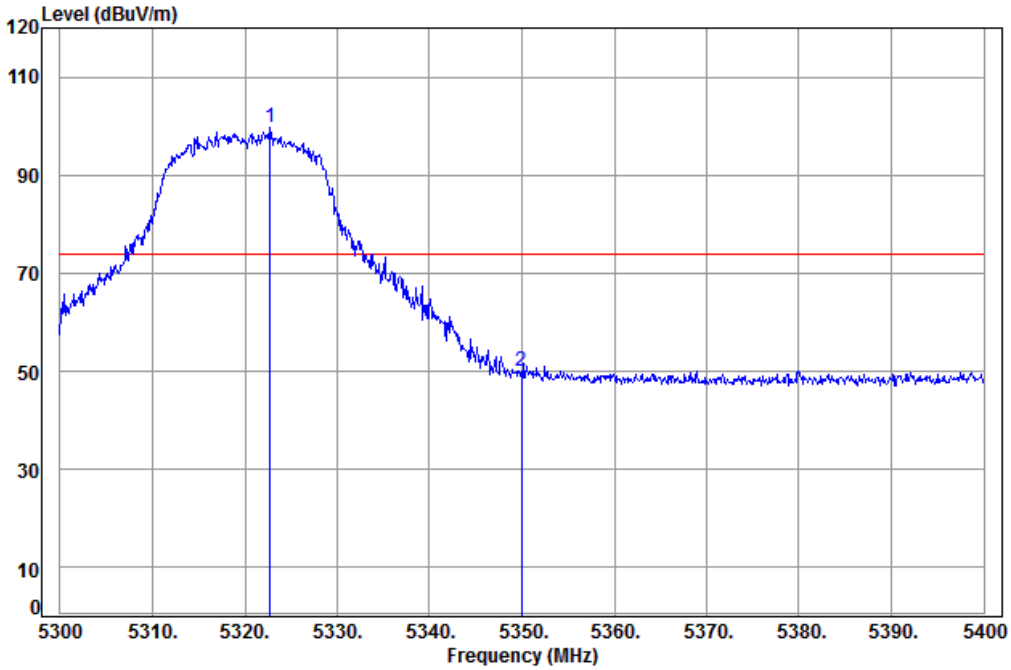
Test mode:	N20	Test channel:	5260	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5260 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.000	8.08	34.47	38.47	44.06	48.14	74.00	-25.86
2 pp	5258.220	8.13	34.45	38.45	104.45	108.58	74.00	34.58

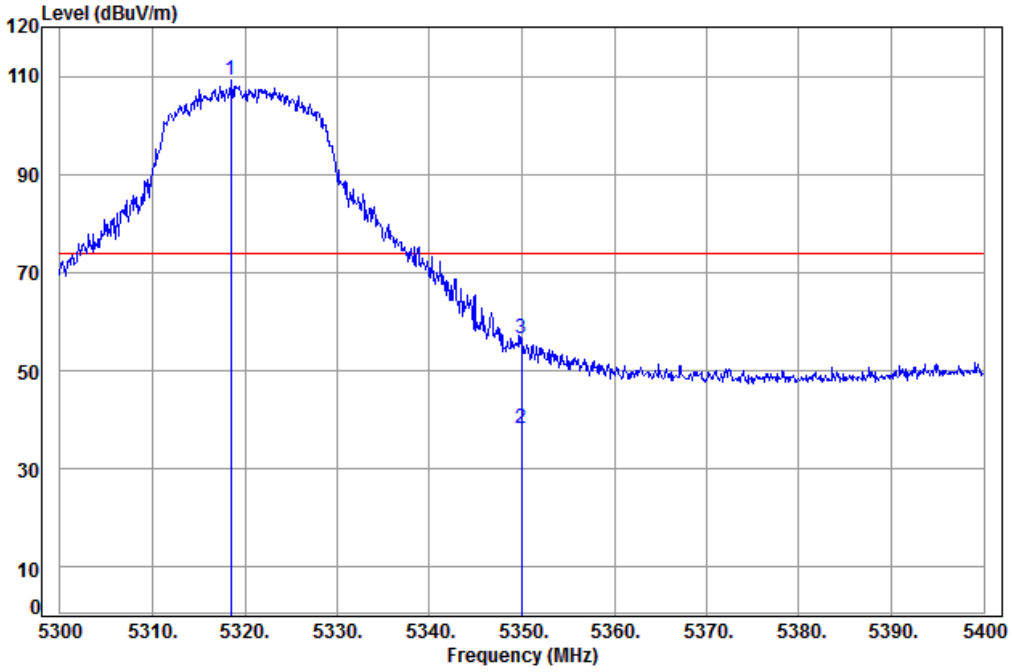
Test mode:	N20	Test channel:	5320	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5320 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5322.700	8.16	34.43	38.44	95.66	99.81	74.00	25.81
2	5350.000	8.18	34.43	38.43	45.70	49.88	74.00	-24.12

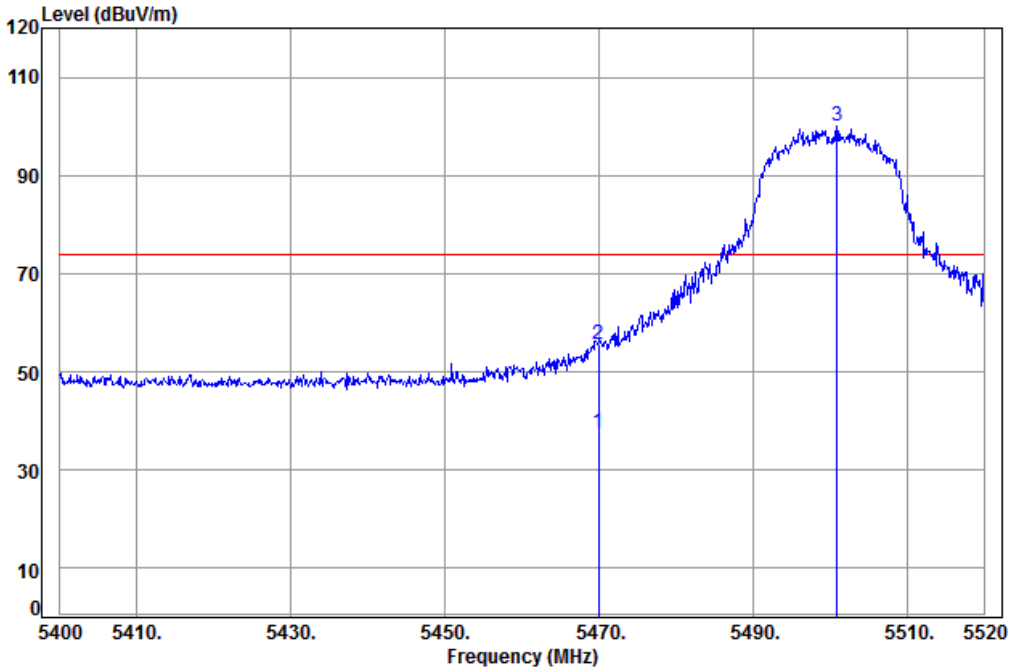
Test mode:	N20	Test channel:	5320	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5320 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5318.500	8.16	34.44	38.44	105.09	109.25	74.00	35.25
2	av 5350.000	8.18	34.43	38.43	34.13	38.31	54.00	-15.69
3	pk 5350.000	8.18	34.43	38.43	52.51	56.69	74.00	-17.31

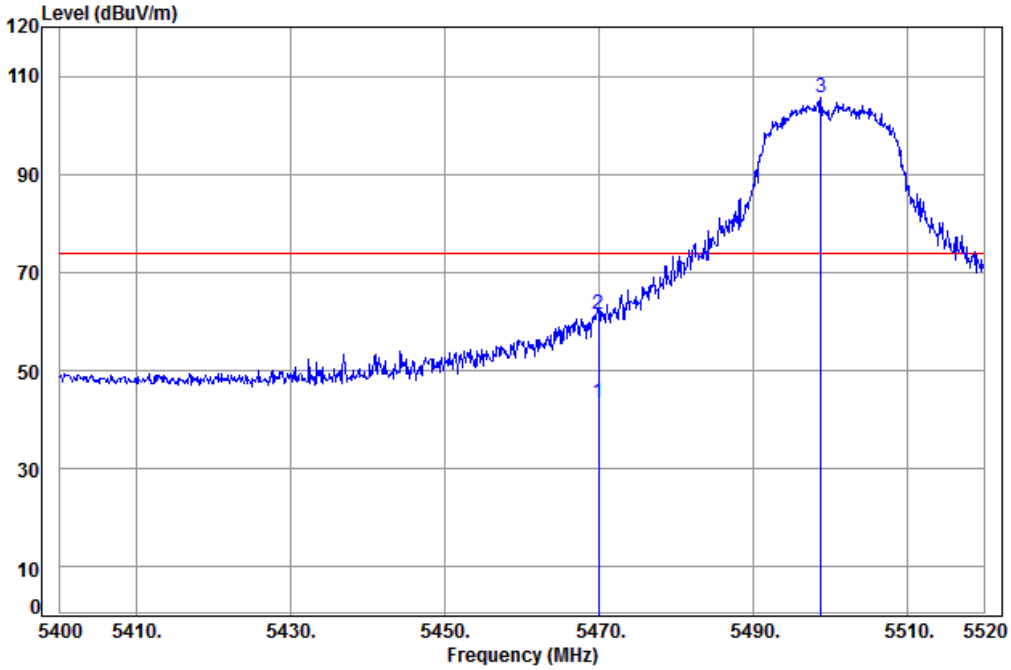
Test mode:	N20	Test channel:	5500	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5500 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	av 5470.000	8.24	34.41	38.41	33.26	37.50	54.00	-16.50
2	pk 5470.000	8.24	34.41	38.41	51.19	55.43	74.00	-18.57
3	pp 5500.920	8.25	34.40	38.40	95.76	100.01	74.00	26.01

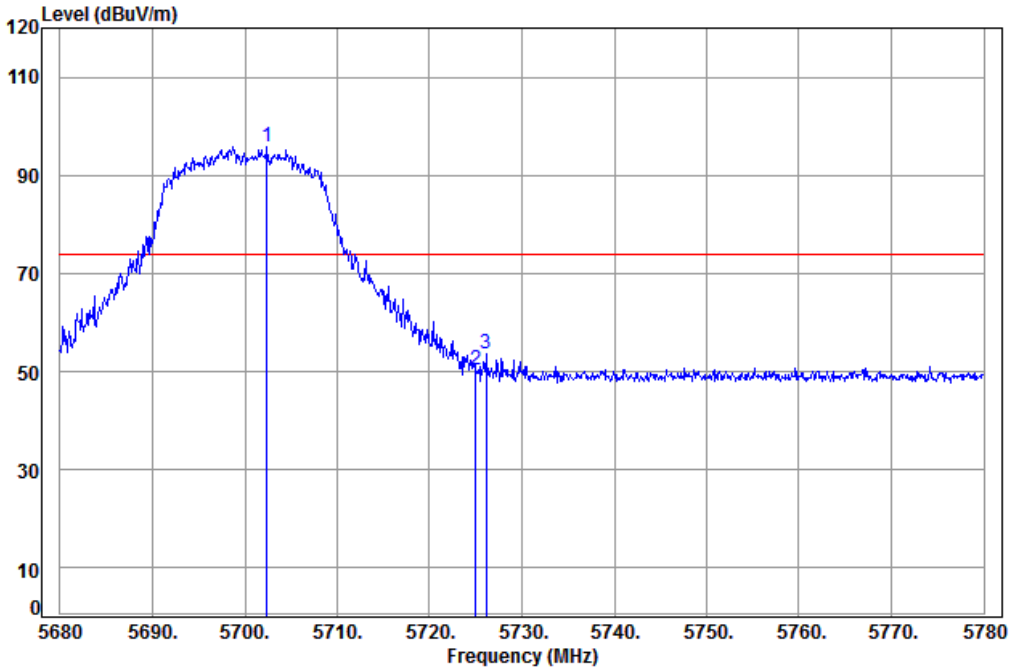
Test mode:	N20	Test channel:	5500	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5500 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	av 5470.000	8.24	34.41	38.41	39.28	43.52	54.00	-10.48
2	pk 5470.000	8.24	34.41	38.41	57.39	61.63	74.00	-12.37
3	pp 5498.880	8.25	34.40	38.40	101.45	105.70	74.00	31.70

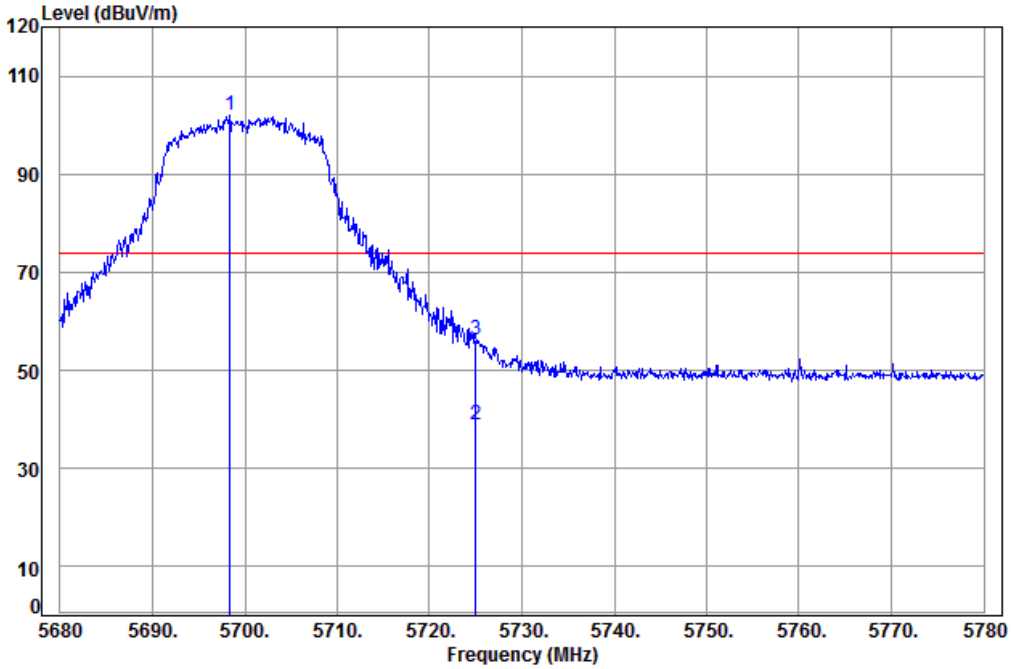
Test mode:	N20	Test channel:	5700	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5700 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5702.400	8.46	34.52	38.36	91.18	95.80	74.00	21.80
2	5725.000	8.48	34.54	38.35	45.84	50.51	74.00	-23.49
3	5726.100	8.48	34.54	38.35	48.81	53.48	74.00	-20.52

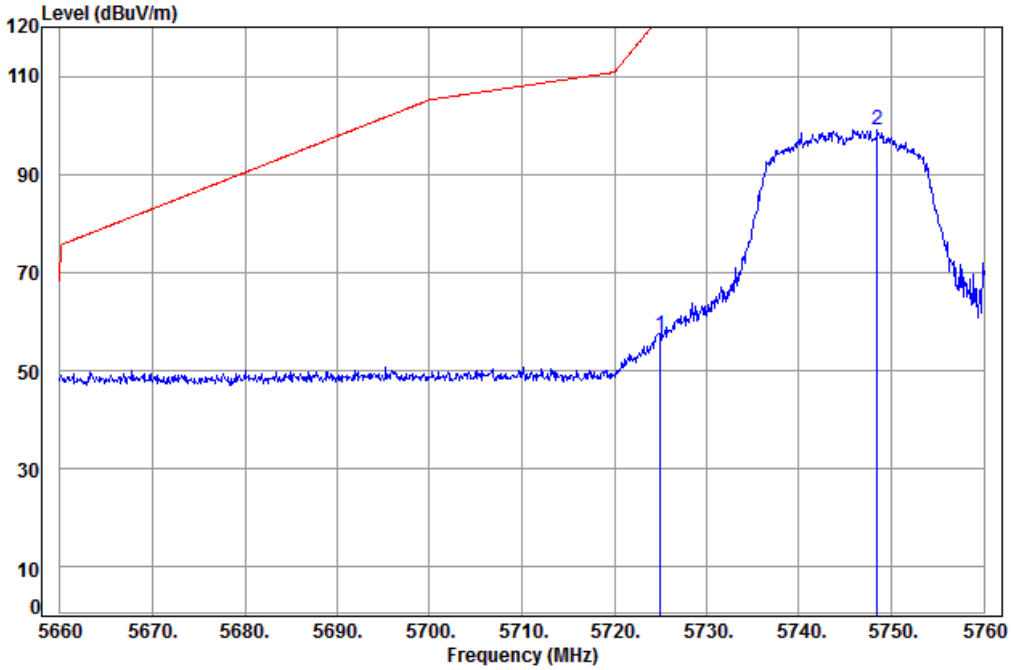
Test mode:	N20	Test channel:	5700	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5700 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5698.400	8.45	34.52	38.36	97.41	102.02	74.00	28.02
2	av 5725.000	8.48	34.54	38.35	34.26	38.93	54.00	-15.07
3	pk 5725.000	8.48	34.54	38.35	51.64	56.31	74.00	-17.69

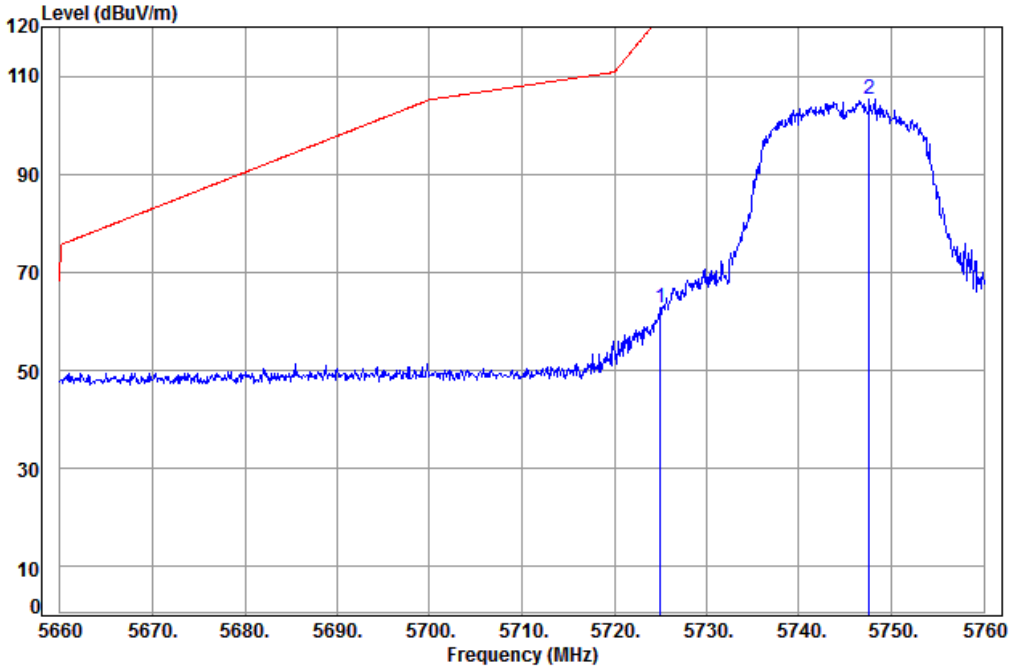
Test mode:	N20	Test channel:	5745	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5745 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5725.000	8.48	34.54	38.35	52.42	57.09	122.20	-65.11
2 pp	5748.500	8.50	34.55	38.35	94.29	98.99	125.20	-26.21

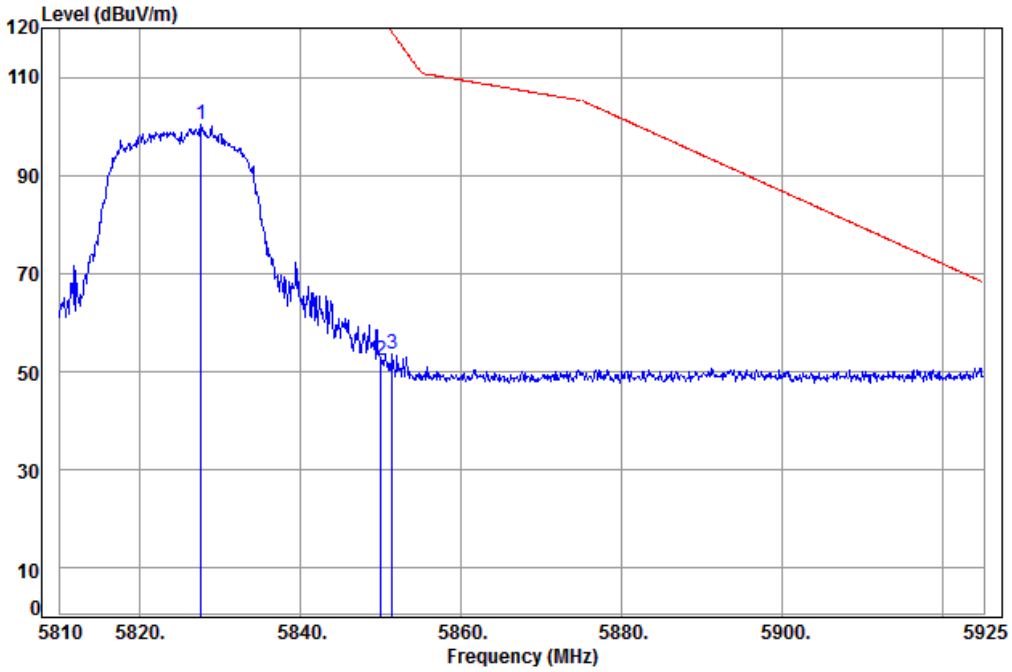
Test mode:	N20	Test channel:	5745	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5745 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5725.000	8.48	34.54	38.35	58.06	62.73	122.20	-59.47
2 pp	5747.600	8.50	34.55	38.35	100.46	105.16	125.20	-20.04

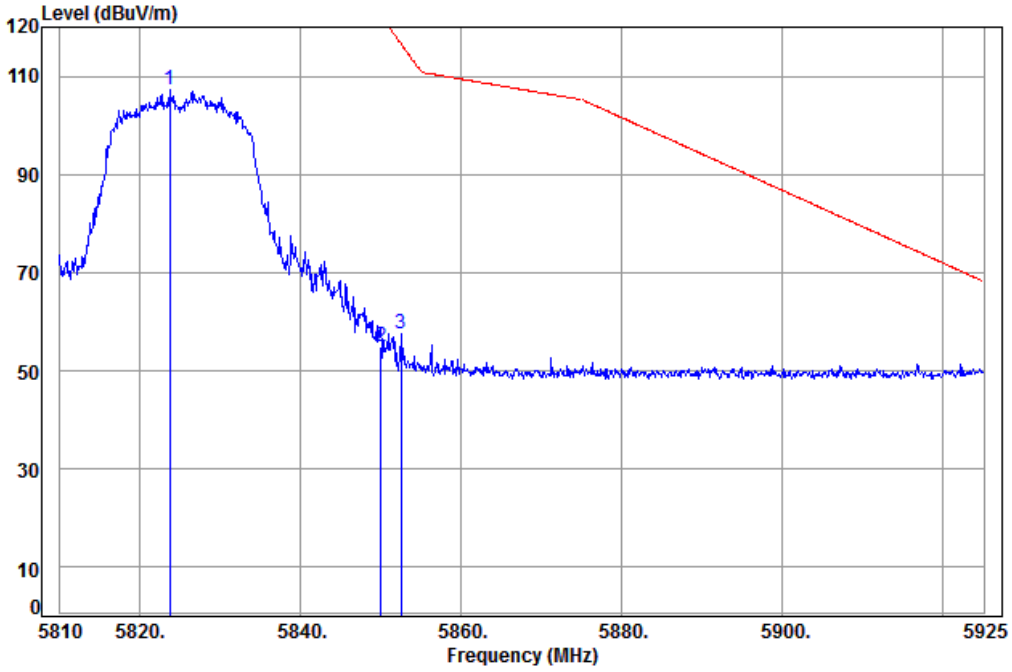
Test mode:	N20	Test channel:	5825	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5825 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5827.595	8.58	34.60	38.33	95.37	100.22	125.20	-24.98
2	5850.000	8.60	34.61	38.33	47.35	52.23	122.20	-69.97
3	5851.400	8.61	34.61	38.33	48.77	53.66	119.01	-65.35

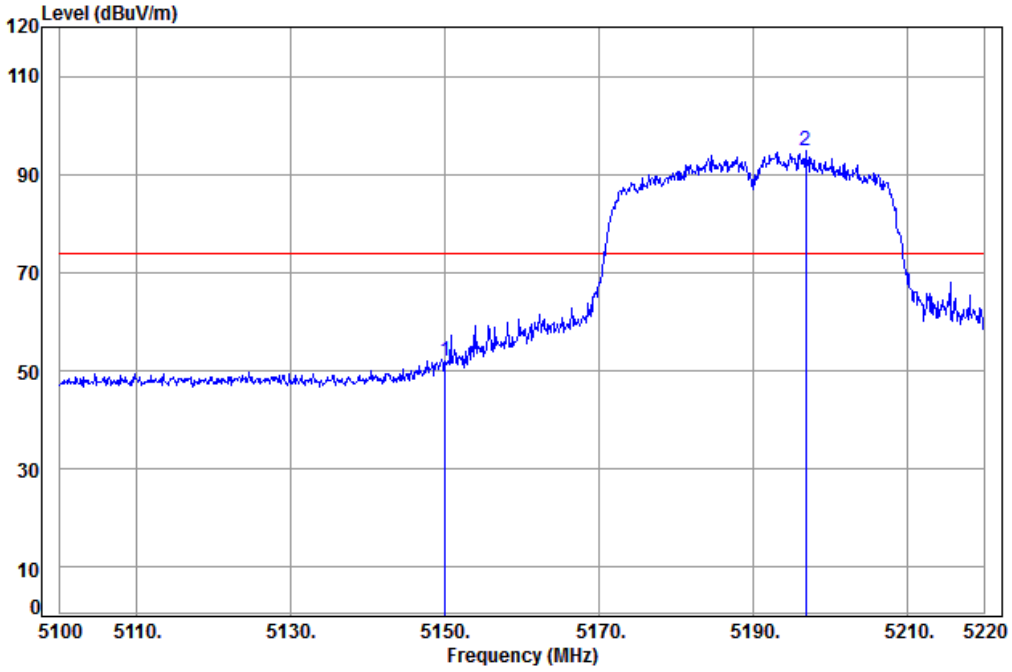
Test mode:	N20	Test channel:	5825	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5825 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5823.685	8.58	34.60	38.34	102.43	107.27	125.20	-17.93
2	5850.000	8.60	34.61	38.33	49.90	54.78	122.20	-67.42
3	5852.435	8.61	34.61	38.33	52.81	57.70	116.65	-58.95

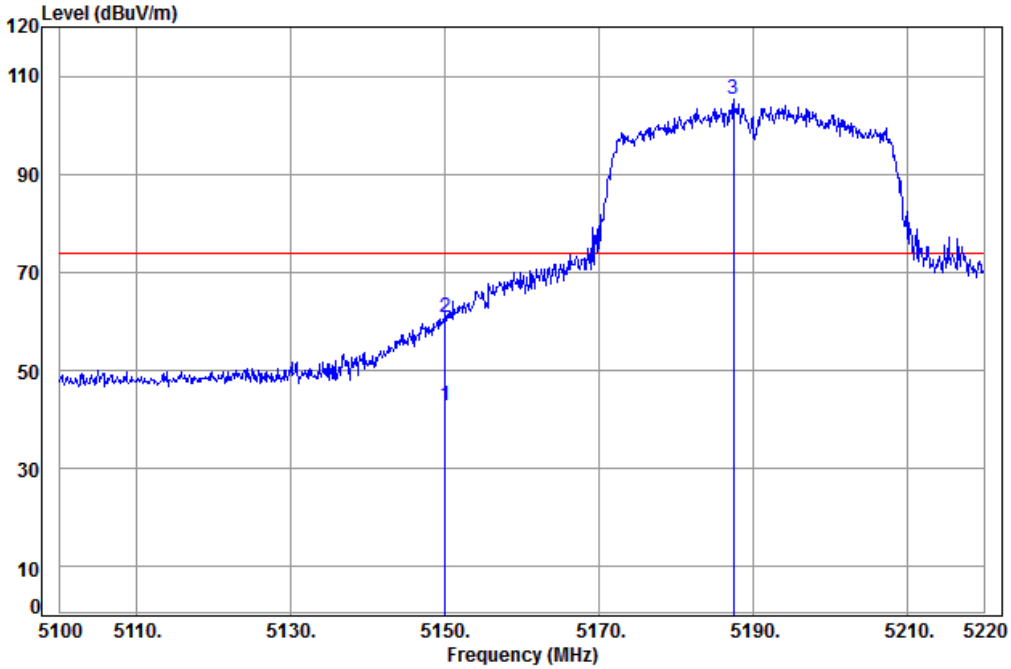
Test mode:	N40	Test channel:	5190	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5190 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.000	8.08	34.47	38.47	48.02	52.10	74.00	-21.90
2 pp	5196.840	8.10	34.46	38.46	90.70	94.80	74.00	20.80

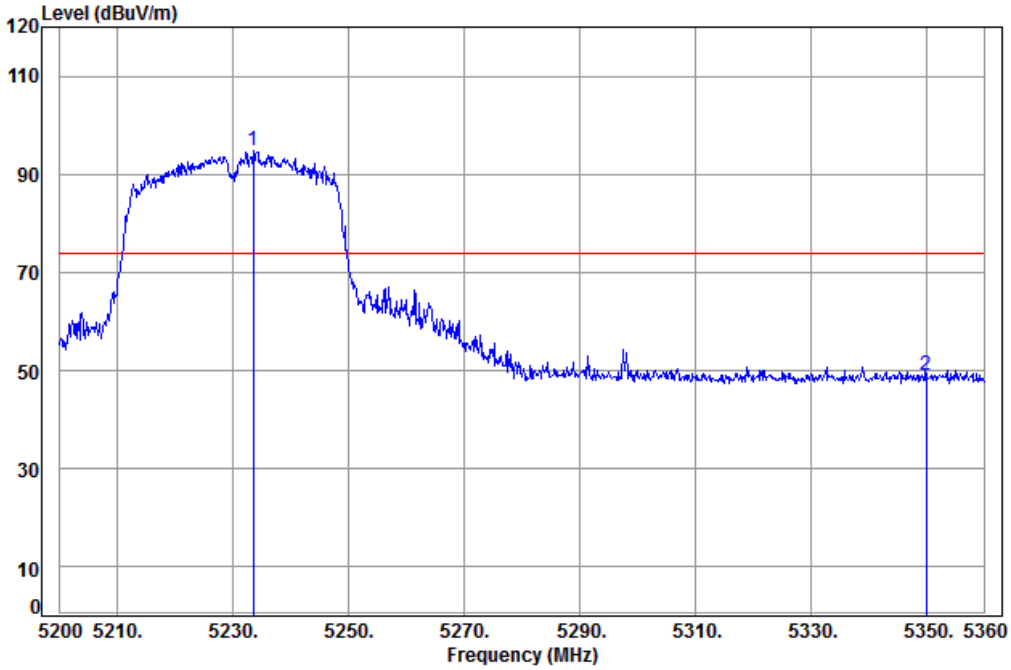
Test mode:	N40	Test channel:	5190	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5190 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	av 5150.000	8.08	34.47	38.47	38.67	42.75	54.00	-11.25
2	pk 5150.000	8.08	34.47	38.47	56.64	60.72	74.00	-13.28
3	pp 5187.480	8.10	34.46	38.46	101.19	105.29	74.00	31.29

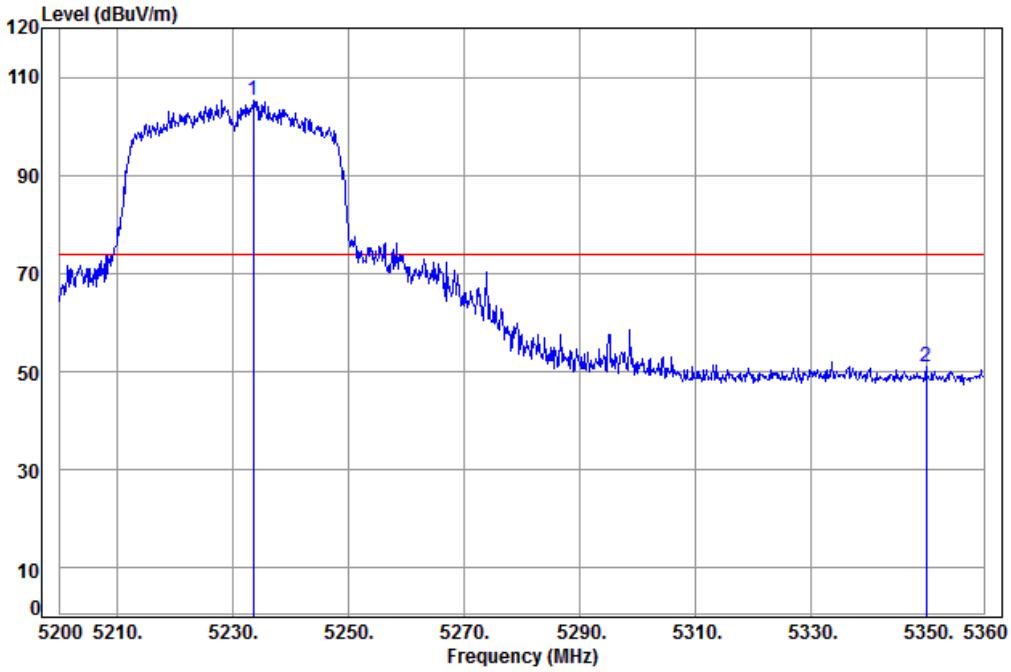
Test mode:	N40	Test channel:	5230	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5230 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5233.440	8.12	34.45	38.45	90.65	94.77	74.00	20.77
2	5350.000	8.18	34.43	38.43	44.72	48.90	74.00	-25.10

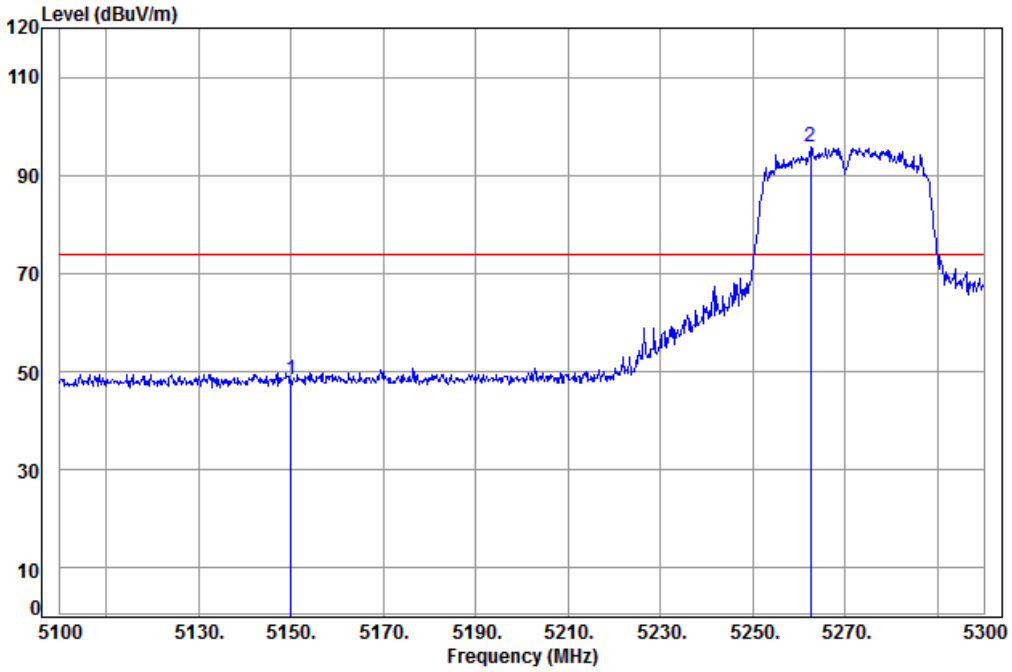
Test mode:	N40	Test channel:	5230	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5230 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5233.440	8.12	34.45	38.45	101.28	105.40	74.00	31.40
2	5350.000	8.18	34.43	38.43	46.86	51.04	74.00	-22.96

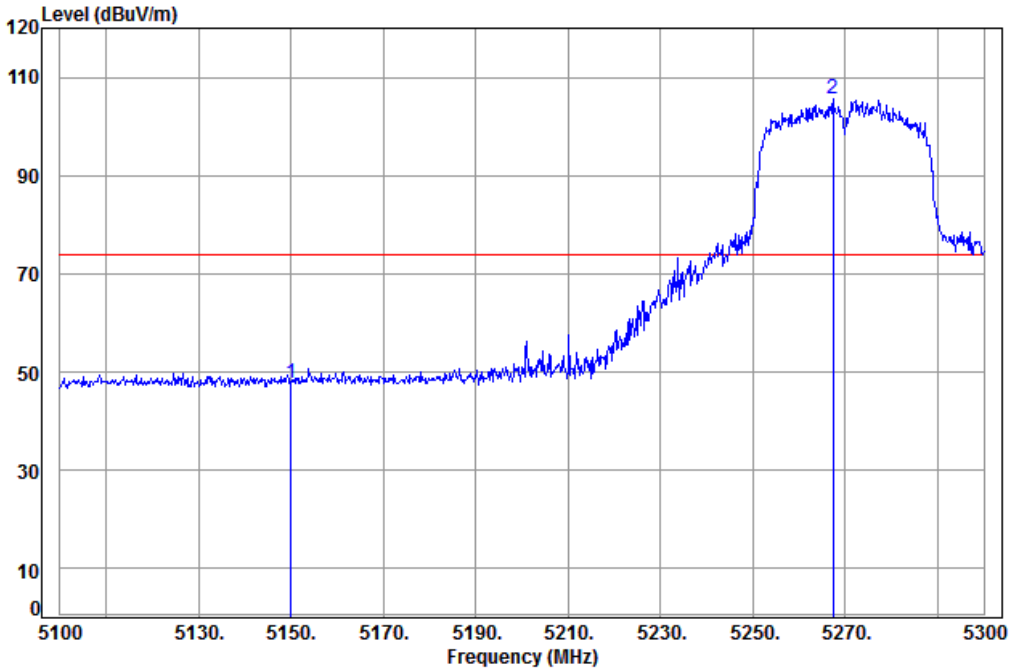
Test mode:	N40	Test channel:	5270	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5270 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.000	8.08	34.47	38.47	44.17	48.25	74.00	-25.75
2 pp	5262.600	8.13	34.45	38.45	91.81	95.94	74.00	21.94

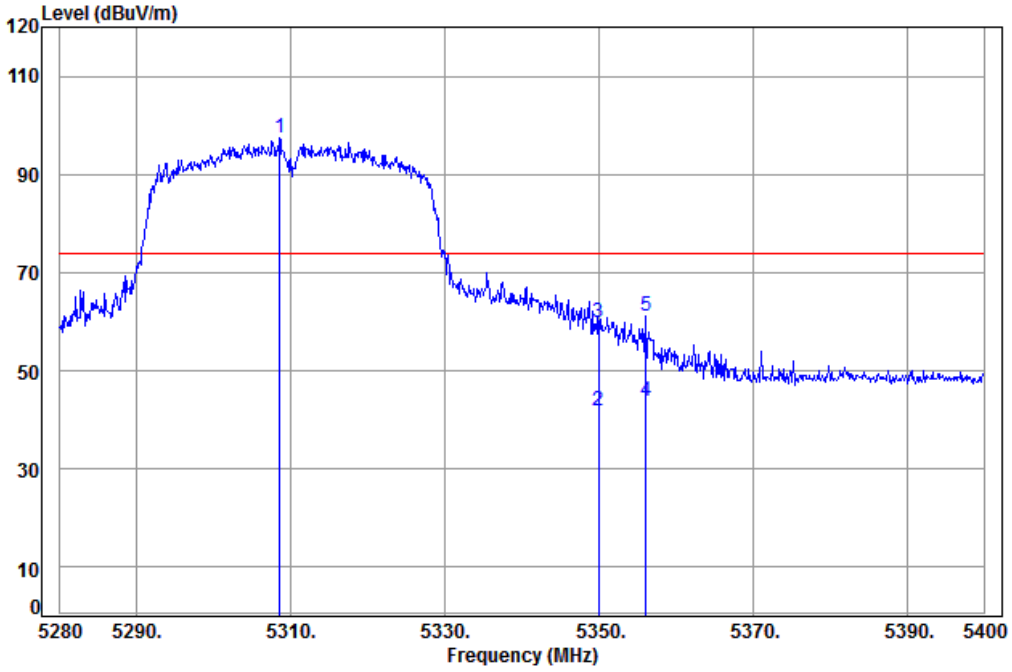
Test mode:	N40	Test channel:	5270	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5270 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.000	8.08	34.47	38.47	43.79	47.87	74.00	-26.13
2 pp	5267.400	8.14	34.45	38.45	101.33	105.47	74.00	31.47

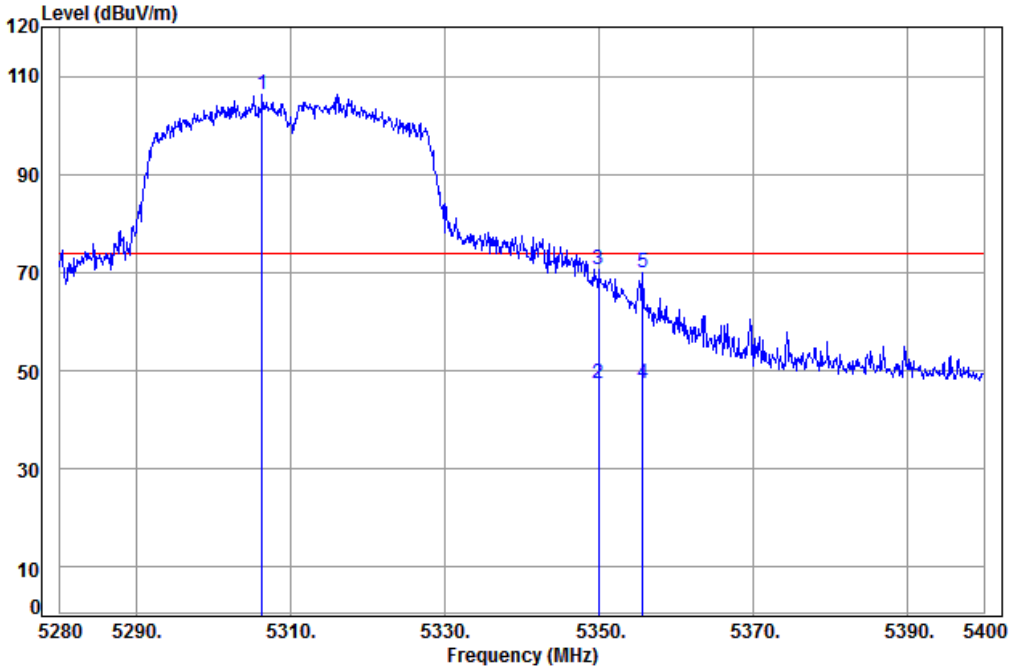
Test mode:	N40	Test channel:	5310	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5310 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5308.560	8.16	34.44	38.44	93.21	97.37	74.00	23.37
2	5350.000	8.18	34.43	38.43	37.59	41.77	54.00	-12.23
3	5350.000	8.18	34.43	38.43	55.78	59.96	74.00	-14.04
4	av 5356.080	8.18	34.43	38.43	39.52	43.70	54.00	-10.30
5	pk 5356.080	8.18	34.43	38.43	56.98	61.16	74.00	-12.84

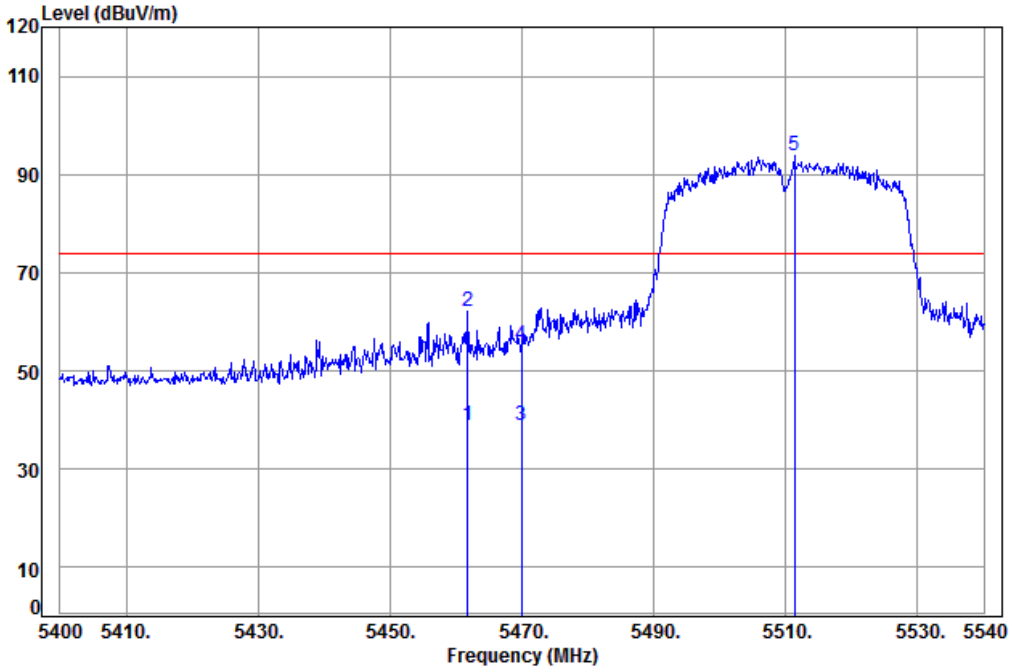
Test mode:	N40	Test channel:	5310	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5310 Band edge
: N40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5306.280	8.16	34.44	38.44	102.25	106.41	74.00	32.41
2	av	5350.000	8.18	34.43	38.43	43.39	47.57	54.00	-6.43
3	pk	5350.000	8.18	34.43	38.43	66.30	70.48	74.00	-3.52
4		5355.720	8.18	34.43	38.43	43.25	47.43	54.00	-6.57
5		5355.720	8.18	34.43	38.43	65.90	70.08	74.00	-3.92

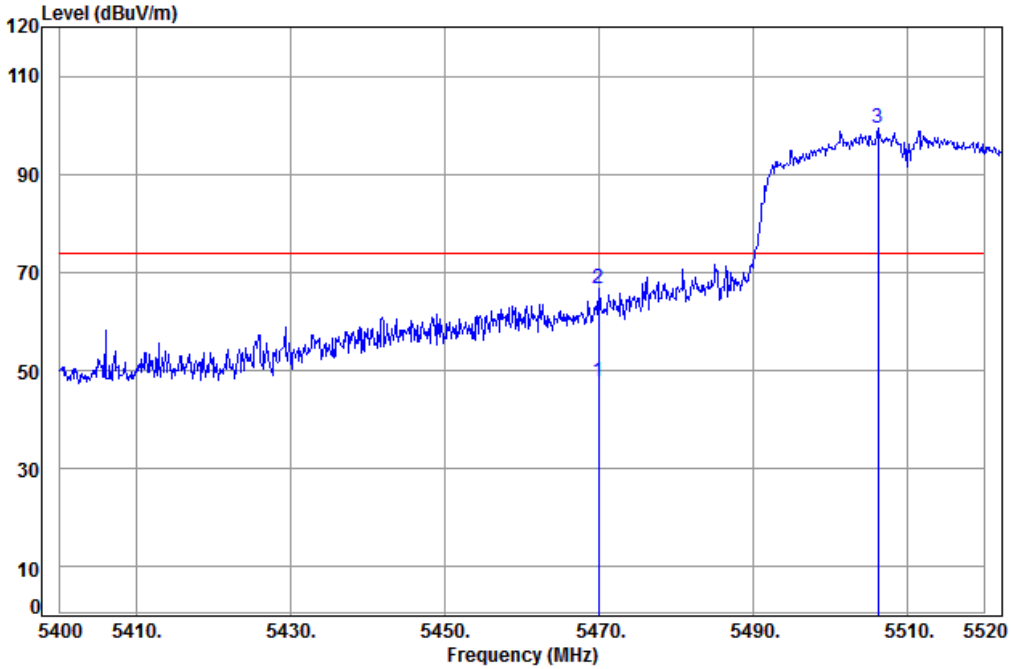
Test mode:	N40	Test channel:	5510	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5510 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 av	5461.740	8.23	34.41	38.41	34.81	39.04	54.00	-14.96
2	5461.740	8.23	34.41	38.41	57.89	62.12	74.00	-11.88
3	5470.000	8.24	34.41	38.41	34.71	38.95	54.00	-15.05
4	5470.000	8.24	34.41	38.41	51.18	55.42	74.00	-18.58
5 pp	5511.300	8.26	34.41	38.40	89.54	93.81	74.00	19.81

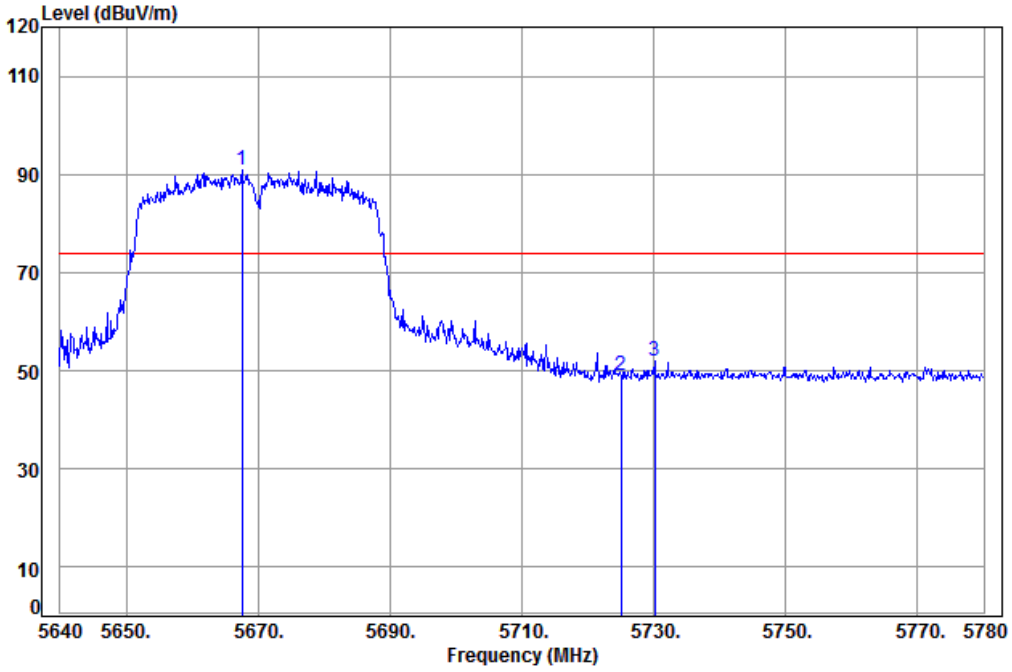
Test mode:	N40	Test channel:	5510	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5510 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	av 5470.000	8.24	34.41	38.41	43.52	47.76	54.00	-6.24
2	pk 5470.000	8.24	34.41	38.41	62.49	66.73	74.00	-7.27
3	pp 5506.260	8.26	34.40	38.40	95.16	99.42	74.00	25.42

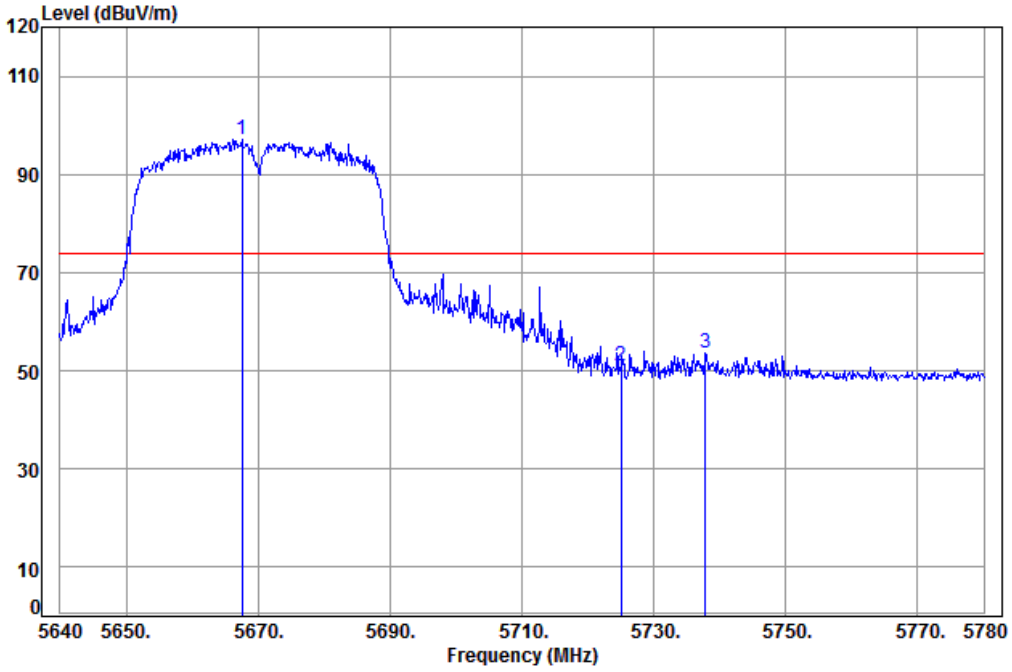
Test mode:	N40	Test channel:	5670	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5670 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5667.580	8.42	34.50	38.37	86.49	91.04	74.00	17.04
2	5725.000	8.48	34.54	38.35	44.27	48.94	74.00	-25.06
3	5730.160	8.49	34.54	38.35	47.21	51.89	74.00	-22.11

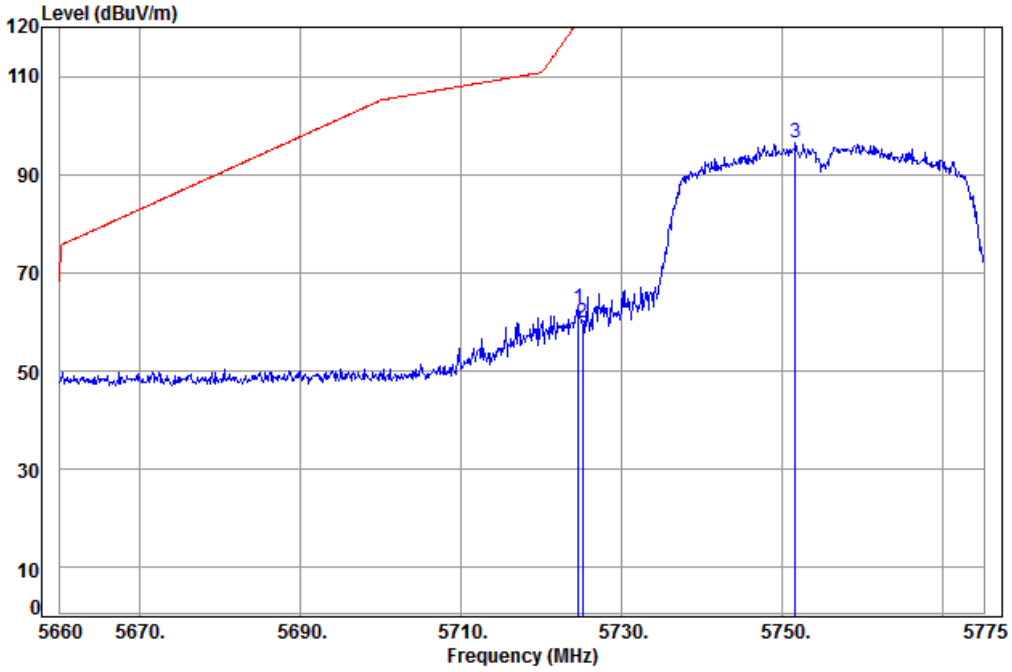
Test mode:	N40	Test channel:	5670	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5670 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5667.580	8.42	34.50	38.37	92.71	97.26	74.00	23.26
2	5725.000	8.48	34.54	38.35	46.29	50.96	74.00	-23.04
3	5737.860	8.49	34.55	38.35	48.81	53.50	74.00	-20.50

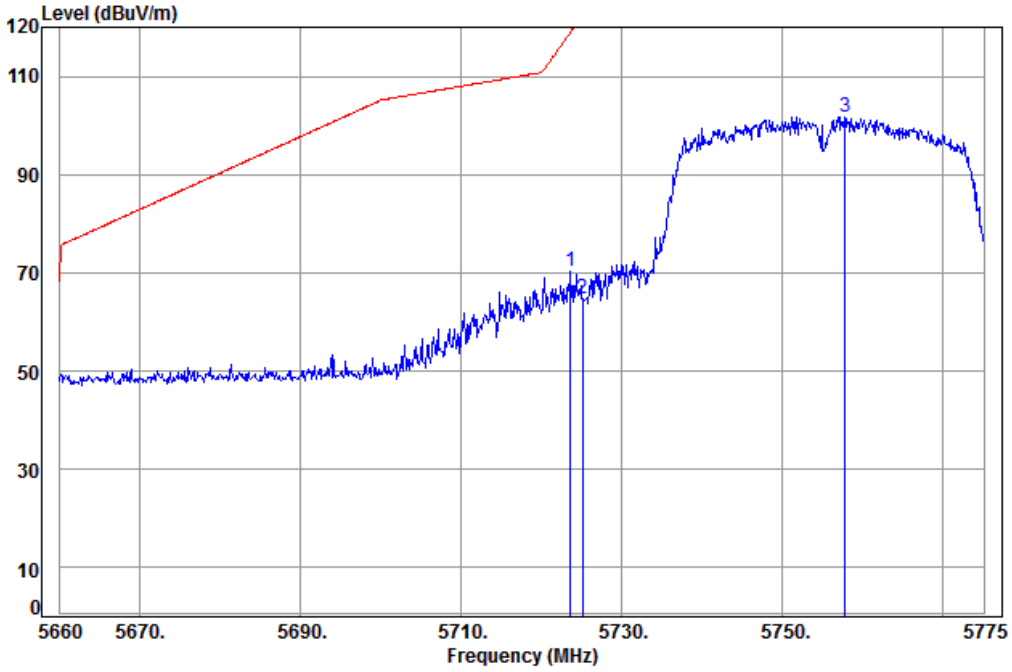
Test mode:	N40	Test channel:	5755	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5755 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5724.515	8.48	34.54	38.36	58.07	62.73	121.09	-58.36
2	5725.000	8.48	34.54	38.35	55.01	59.68	122.20	-62.52
3 pp	5751.540	8.51	34.55	38.35	91.69	96.40	125.20	-28.80

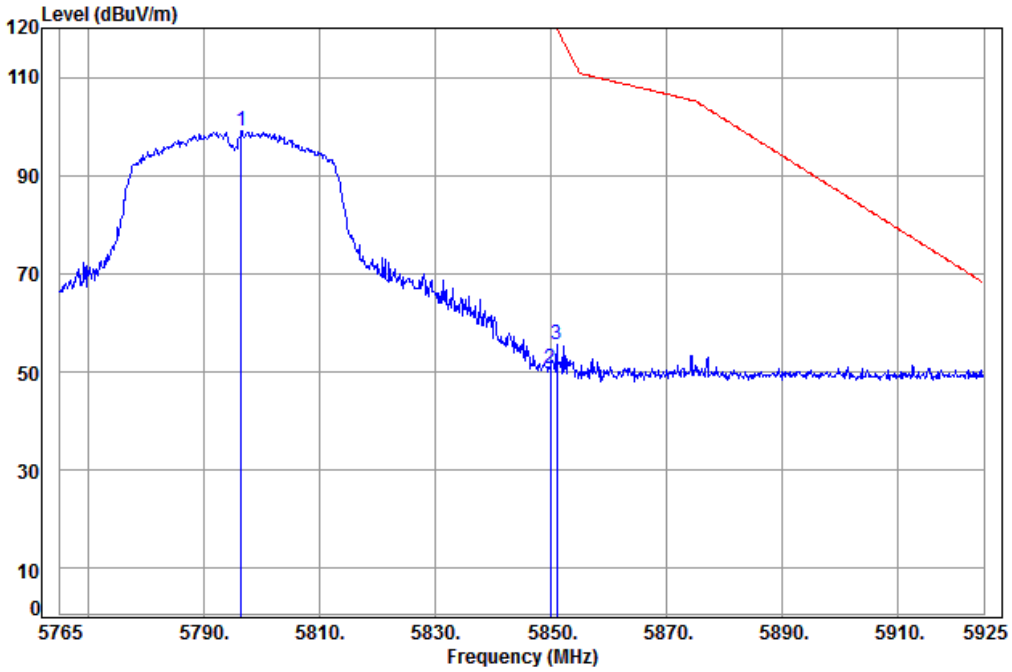
Test mode:	N40	Test channel:	5755	Horizontal



Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5755 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5723.595	8.48	34.54	38.36	65.54	70.20	119.00	-48.80
2	5725.000	8.48	34.54	38.35	59.96	64.63	122.20	-57.57
3 pp	5757.750	8.51	34.56	38.35	97.13	101.85	125.20	-23.35

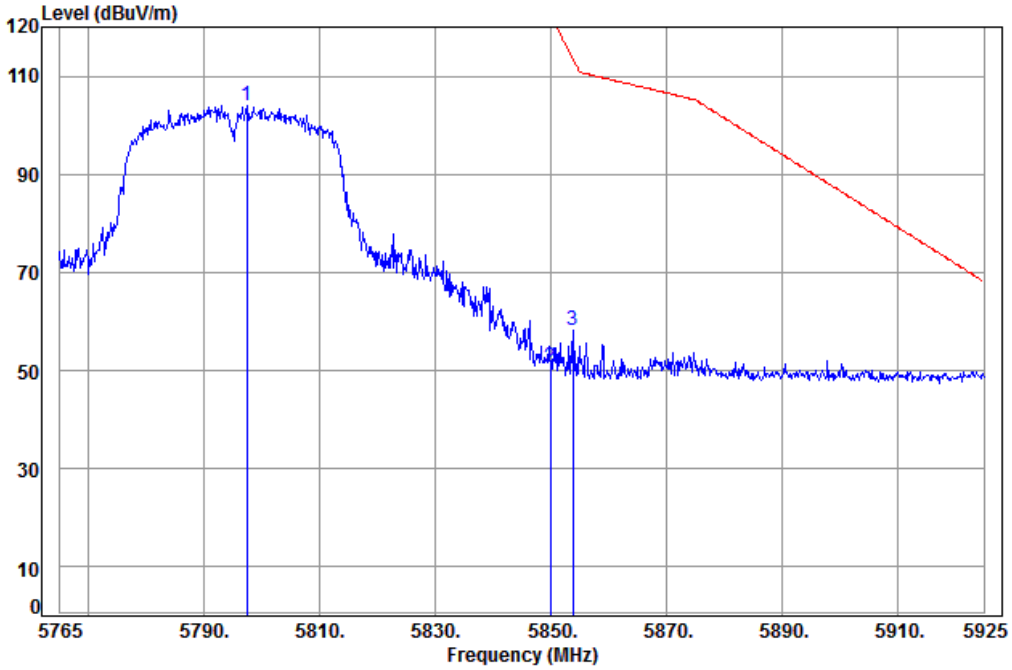
Test mode:	N40	Test channel:	5755	Vertical



Condition: 3m VERTICAL
Job No: : 10384CR
Mode: : 5795 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5796.360	8.55	34.58	38.34	94.31	99.10	125.20	-26.10
2	5850.000	8.60	34.61	38.33	45.92	50.80	122.20	-71.40
3	5851.080	8.61	34.61	38.33	50.74	55.63	119.74	-64.11

Test mode:	N40	Test channel:	5755	Horizontal



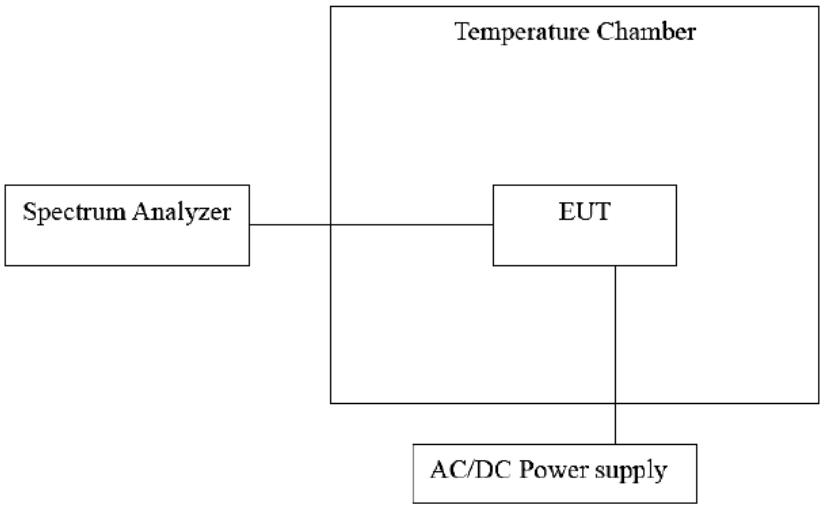
Condition: 3m HORIZONTAL
Job No: : 10384CR
Mode: : 5795 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5797.320	8.55	34.58	38.34	99.29	104.08	125.20	-21.12
2	5850.000	8.60	34.61	38.33	45.82	50.70	122.20	-71.50
3	5853.800	8.61	34.61	38.33	53.17	58.06	113.54	-55.48

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

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

6.9 Frequency Stability

Test Requirement:	47 CFR Part 15 Section 15.407(g)
Test Method:	ANSI C63.10: 2013
Test Setup:	
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.
Test Procedure:	a. The EUT was placed inside the environmental test chamber and powered by nominal AC/DC voltage. b. Turn the EUT on and couple its output to a spectrum analyzer. c. Turn the EUT off and set the chamber to the highest temperature specified. d. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. e. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature. f. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCSO of rate is the worst case of 802.11n(HT20); MCSO of rate is the worst case of 802.11n(HT40); Only the worst case is recorded in the report.

Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180

Temperature (℃)	*Voltage(VAC)*	*Measurement Frequency(MHz)*	*Delta Frequency(kHz)*	*Result*
35	*120*	*5182.895*	*-2.895*	*Pass*
25		*5177.104*	*2.896*	*Pass*
15		*5180*	*0*	*Pass*
5		*5171.312*	*8.688*	*Pass*
0		*5176.522*	*3.478*	*Pass*
20	*138*	*5179.104*	*0.896*	*Pass*
	120	*5177.882*	*2.118*	*Pass*
	102	*5181.013*	*-1.013*	*Pass*

Test mode:	*802.11a*	*Frequency(MHz):*	*5220*

Temperature (℃)	*Voltage(VAC)*	*Measurement Frequency(MHz)*	*Delta Frequency(kHz)*	*Result*
35	*120*	*5218.202*	*1.798*	*Pass*
25		*5221.005*	*-1.005*	*Pass*
15		*5220.719*	*-0.719*	*Pass*
5		*5218.924*	*1.076*	*Pass*
0		*5219.772*	*0.228*	*Pass*
20	*138*	*5219.901*	*0.099*	*Pass*
	120	*5220.119*	*-0.119*	*Pass*
	102	*5220.048*	*-0.048*	*Pass*

Test mode:	802.11a	Frequency(MHz):	5240

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5241.8163	-1.8163	Pass
25		5241.8170	-1.8170	Pass
15		5241.8174	-1.8174	Pass
5		5241.8165	-1.8165	Pass
0		5241.8160	-1.8160	Pass
20	138	5241.8167	-1.8167	Pass
	120	5241.8170	-1.8170	Pass
	102	5241.8173	-1.8173	Pass

Test mode:	802.11a	Frequency(MHz):	5260

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5259.6614	0.3386	Pass
25		5259.6620	0.3380	Pass
15		5259.6623	0.3377	Pass
5		5259.6614	0.3386	Pass
0		5259.6609	0.3391	Pass
20	138	5259.6614	0.3386	Pass
	120	5259.6620	0.3380	Pass
	102	5259.6623	0.3377	Pass

Test mode:	802.11a	Frequency(MHz):	5280

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5281.0907	-1.0907	Pass
25		5281.0910	-1.0910	Pass
15		5281.0914	-1.0914	Pass
5		5281.0904	-1.0904	Pass
0		5281.0901	-1.0901	Pass
20	138	5281.0901	-1.0901	Pass
	120	5281.0910	-1.0910	Pass
	102	5281.0914	-1.0914	Pass

Test mode:	802.11a	Frequency(MHz):	5320

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5321.2594	-1.2594	Pass
25		5321.2600	-1.2600	Pass
15		5321.2604	-1.2604	Pass
5		5321.2600	-1.2600	Pass
0		5321.2598	-1.2598	Pass
20	138	5321.2595	-1.2595	Pass
	120	5321.2600	-1.2600	Pass
	102	5321.2603	-1.2603	Pass

Test mode:	802.11a	Frequency(MHz):	5500

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5501.2596	-1.2596	Pass
25		5501.2600	-1.2600	Pass
15		5501.2606	-1.2606	Pass
5		5501.2603	-1.2603	Pass
0		5501.2601	-1.2601	Pass
20	138	5501.2596	-1.2596	Pass
	120	5501.2600	-1.2600	Pass
	102	5501.2603	-1.2603	Pass

Test mode:	802.11a	Frequency(MHz):	5580

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5581.1998	-1.1998	Pass
25		5581.2000	-1.2000	Pass
15		5581.2004	-1.2004	Pass
5		5581.2002	-1.2002	Pass
0		5581.1997	-1.1997	Pass
20	138	5581.1996	-1.1996	Pass
	120	5581.2000	-1.2000	Pass
	102	5581.2005	-1.2005	Pass

Test mode:	802.11a	Frequency(MHz):	5700

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5701.2594	-1.2594	Pass
25		5701.2600	-1.2600	Pass
15		5701.2602	-1.2602	Pass
5		5701.2599	-1.2599	Pass
0		5701.2594	-1.2594	Pass
20	138	5701.2593	-1.2593	Pass
	120	5701.2600	-1.2600	Pass
	102	5701.2605	-1.2605	Pass

Test mode:	802.11a	Frequency(MHz):	5745

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5746.2596	-1.2596	Pass
25		5746.2600	-1.2600	Pass
15		5746.2610	-1.2610	Pass
5		5746.2602	-1.2602	Pass
0		5746.2594	-1.2594	Pass
20	138	5746.2592	-1.2592	Pass
	120	5746.2600	-1.2600	Pass
	102	5746.2609	-1.2609	Pass

Test mode:	802.11a	Frequency(MHz):	5785

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5785.9259	-0.9259	Pass
25		5785.9263	-0.9263	Pass
15		5785.9266	-0.9266	Pass
5		5785.9256	-0.9256	Pass
0		5785.9246	-0.9246	Pass
20	138	5785.9254	-0.9254	Pass
	120	5785.9263	-0.9263	Pass
	102	5785.9271	-0.9271	Pass

Test mode:	802.11a	Frequency(MHz):	5825

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5826.1175	-1.1175	Pass
25		5826.1184	-1.1184	Pass
15		5826.1186	-1.1186	Pass
5		5826.1180	-1.1180	Pass
0		5826.1173	-1.1173	Pass
20	138	5826.1180	-1.1180	Pass
	120	5826.1184	-1.1184	Pass
	102	5826.1187	-1.1187	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5180

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5177.9593	2.0407	Pass
25		5177.9600	2.0400	Pass
15		5177.9601	2.0399	Pass
5		5177.9594	2.0406	Pass
0		5177.9591	2.0409	Pass
20	138	5177.9599	2.0401	Pass
	120	5177.9600	2.0400	Pass
	102	5177.9603	2.0397	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5220

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5218.9294	1.0706	Pass
25		5218.9300	1.0700	Pass
15		5218.9304	1.0696	Pass
5		5218.9297	1.0703	Pass
0		5218.9295	1.0705	Pass
20	138	5218.9298	1.0702	Pass
	120	5218.9300	1.0700	Pass
	102	5218.9302	1.0698	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5240

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5241.0906	-1.0906	Pass
25		5241.0910	-1.0910	Pass
15		5241.0916	-1.0916	Pass
5		5241.0906	-1.0906	Pass
0		5241.0901	-1.0901	Pass
20	138	5241.0904	-1.0904	Pass
	120	5241.0910	-1.0910	Pass
	102	5241.0915	-1.0915	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5260

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5259.9292	0.0708	Pass
25		5259.9300	0.0700	Pass
15		5259.9304	0.0696	Pass
5		5259.9294	0.0706	Pass
0		5259.9284	0.0716	Pass
20	138	5259.9298	0.0702	Pass
	120	5259.9300	0.0700	Pass
	102	5259.9304	0.0696	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5280

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5278.0724	1.9276	Pass
25		5278.0730	1.9270	Pass
15		5278.0737	1.9263	Pass
5		5278.0732	1.9268	Pass
0		5278.0725	1.9275	Pass
20	138	5278.0725	1.9275	Pass
	120	5278.0730	1.9270	Pass
	102	5278.0735	1.9265	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5320

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5321.2596	-1.2596	Pass
25		5321.2600	-1.2600	Pass
15		5321.2601	-1.2601	Pass
5		5321.2595	-1.2595	Pass
0		5321.2592	-1.2592	Pass
20	138	5321.2593	-1.2593	Pass
	120	5321.2600	-1.2600	Pass
	102	5321.2605	-1.2605	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5500

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5501.2592	-1.2592	Pass
25		5501.2600	-1.2600	Pass
15		5501.2603	-1.2603	Pass
5		5501.2598	-1.2598	Pass
0		5501.2592	-1.2592	Pass
20	138	5501.2597	-1.2597	Pass
	120	5501.2600	-1.2600	Pass
	102	5501.2609	-1.2609	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5580

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5581.2598	-1.2598	Pass
25		5581.2600	-1.2600	Pass
15		5581.2605	-1.2605	Pass
5		5581.2596	-1.2596	Pass
0		5581.2587	-1.2587	Pass
20	138	5581.2591	-1.2591	Pass
	120	5581.2600	-1.2600	Pass
	102	5581.2608	-1.2608	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5700

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5701.2597	-1.2597	Pass
25		5701.2600	-1.2600	Pass
15		5701.2604	-1.2604	Pass
5		5701.2603	-1.2603	Pass
0		5701.2596	-1.2596	Pass
20	138	5701.2595	-1.2595	Pass
	120	5701.2600	-1.2600	Pass
	102	5701.2608	-1.2608	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5745

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5745.7183	-0.7183	Pass
25		5745.7189	-0.7189	Pass
15		5745.7196	-0.7196	Pass
5		5745.7194	-0.7194	Pass
0		5745.7189	-0.7189	Pass
20	138	5745.7182	-0.7182	Pass
	120	5745.7189	-0.7189	Pass
	102	5745.7192	-0.7192	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5785

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5785.9008	-0.9008	Pass
25		5785.9011	-0.9011	Pass
15		5785.9015	-0.9015	Pass
5		5785.9012	-0.9012	Pass
0		5785.9007	-0.9007	Pass
20	138	5785.9005	-0.9005	Pass
	120	5785.9011	-0.9011	Pass
	102	5785.9016	-0.9016	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5825

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5824.9016	0.0984	Pass
25		5824.9022	0.0978	Pass
15		5824.9026	0.0974	Pass
5		5824.9018	0.0982	Pass
0		5824.9017	0.0983	Pass
20	138	5824.9014	0.0986	Pass
	120	5824.9022	0.0978	Pass
	102	5824.9031	0.0969	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5190

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5191.2228	-1.2228	Pass
25		5191.2231	-1.2231	Pass
15		5191.2232	-1.2232	Pass
5		5191.2231	-1.2231	Pass
0		5191.2228	-1.2228	Pass
20	138	5191.2228	-1.2228	Pass
	120	5191.2231	-1.2231	Pass
	102	5191.2233	-1.2233	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5230

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5232.1083	-2.1083	Pass
25		5232.1084	-2.1084	Pass
15		5232.1091	-2.1091	Pass
5		5232.1087	-2.1087	Pass
0		5232.1080	-2.1080	Pass
20	138	5232.1081	-2.1081	Pass
	120	5232.1084	-2.1084	Pass
	102	5232.1090	-2.1090	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5270

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5271.7626	-1.7626	Pass
25		5271.7629	-1.7629	Pass
15		5271.7634	-1.7634	Pass
5		5271.7628	-1.7628	Pass
0		5271.7624	-1.7624	Pass
20	138	5271.7626	-1.7626	Pass
	120	5271.7629	-1.7629	Pass
	102	5271.7635	-1.7635	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5310

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5311.2598	-1.2598	Pass
25		5311.2600	-1.2600	Pass
15		5311.2604	-1.2604	Pass
5		5311.2602	-1.2602	Pass
0		5311.2597	-1.2597	Pass
20	138	5311.2593	-1.2593	Pass
	120	5311.2600	-1.2600	Pass
	102	5311.2607	-1.2607	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5510

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5510.2597	-0.2597	Pass
25		5510.2600	-0.2600	Pass
15		5510.2609	-0.2609	Pass
5		5510.2602	-0.2602	Pass
0		5510.2600	-0.2600	Pass
20	138	5510.2598	-0.2598	Pass
	120	5510.2600	-0.2600	Pass
	102	5510.2609	-0.2609	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5550

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5548.9817	1.0183	Pass
25		5548.9818	1.0182	Pass
15		5548.9826	1.0174	Pass
5		5548.9823	1.0177	Pass
0		5548.9815	1.0185	Pass
20	138	5548.9813	1.0187	Pass
	120	5548.9818	1.0182	Pass
	102	5548.9824	1.0176	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5670

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5671.2597	-1.2597	Pass
25		5671.2600	-1.2600	Pass
15		5671.2603	-1.2603	Pass
5		5671.2600	-1.2600	Pass
0		5671.2591	-1.2591	Pass
20	138	5671.2593	-1.2593	Pass
	120	5671.2600	-1.2600	Pass
	102	5671.2603	-1.2603	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5755

Temperature (℃)	Voltage(VAC)	Measurement Frequency(MHz)	Delta Frequency(kHz)	Result
35	120	5756.3187	-1.3187	Pass
25		5756.3188	-1.3188	Pass
15		5756.3196	-1.3196	Pass
5		5756.3187	-1.3187	Pass
0		5756.3181	-1.3181	Pass
20	138	5756.3178	-1.3178	Pass
	120	5756.3188	-1.3188	Pass
	102	5756.3191	-1.3191	Pass

Test mode:	*802.11n(HT40)*	*Frequency(MHz):*	*5795*

Temperature (℃)	*Voltage(VAC)*	*Measurement Frequency(MHz)*	*Delta Frequency(kHz)*	*Result*
35	*120*	*5795.9005*	*-0.9005*	*Pass*
25		*5795.9011*	*-0.9011*	*Pass*
15		*5795.9017*	*-0.9017*	*Pass*
5		*5795.9008*	*-0.9008*	*Pass*
0		*5795.9007*	*-0.9007*	*Pass*
20	*138*	*5795.9006*	*-0.9006*	*Pass*
	120	*5795.9011*	*-0.9011*	*Pass*
	102	*5795.9014*	*-0.9014*	*Pass*

7 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1612010384CR.