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

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

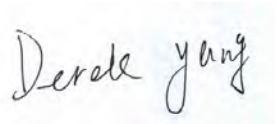
Telephone: +86 (0) 755 2601 2053
Fax: +86 (0) 755 2671 0594
Email: ee.shenzhen@sgs.com

FCC REPORT

Application No:	SZEM1703002571RG
Applicant:	Huawei Technologies Co.,Ltd.
Manufacturer:	Huawei Technologies Co.,Ltd.
Factory:	Huawei Technologies Co.,Ltd.
Product Name:	Huawei MediaPad T3 10 (MediaPad T3 10 for short)
Model No.(EUT):	AGS-W09
Trade Mark::	HUAWEI
FCC ID:	QISAGS-W09
Standards:	47 CFR Part 15, Subpart E (2015)
Test Method	KDB 789033 D02 General U-NII Test Procedures New Rules v01r03 ANSI C63.10 2013
Date of Receipt:	2017-03-20
Date of Test:	2017-03-22 to 2017-04-10
Date of Issue:	2017-04-17
Test Result:	**PASS ***

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

Authorized Signature:

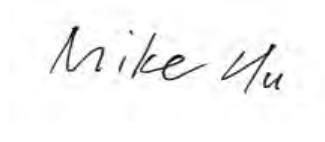


Derek Yang
Wireless Laboratory Manager

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**
01		2017-04-17		Original

Authorized for issue by:				
Tested By		 **(David Chen) /Project Engineer**		2017-04-11 **Date**
Checked By		 **(Jim Huang) /Reviewer**		2017-04-17 **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
26 dB Emission Bandwidth & 99% Occupied Bandwidth	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
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

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5 General Information

5.1 Client Information

Applicant:	Huawei Technologies Co.,Ltd.
Address of Applicant:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C
Manufacturer:	Huawei Technologies Co.,Ltd.
Address of Manufacturer:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C
Factory:	Huawei Technologies Co.,Ltd.
Address of Factory:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

5.2 General Description of EUT

Product Name:	Huawei MediaPad T3 10 (MediaPad T3 10 for short)
Model No.:	AGS-W09
Trade Mark:	HUAWEI
Operation Frequency:	IEEE 802.11a/ n(HT20/40): 5150MHz to 5250MHz IEEE 802.11a/ n(HT20/40): 5250MHz to 5350MHz IEEE 802.11a/ n(HT20/40): 5470MHz to 5725MHz IEEE 802.11a/ n(HT20/40): 5725MHz to 5850MHz
	* The 5600-5650MHz can not be used.
Type of Modulation:	IEEE 802.11a: OFDM(BPSK/QPSK/16QAM/64QAM) IEEE 802.11n: OFDM(BPSK/QPSK/16QAM/64QAM)
Sample Type:	Portable production
Antenna Type:	PIFA
Antenna Gain:	1dBi
EUT Power Supply:	DC3.85V (1 x 3.8V Rechargeable battery) 4650mAh Battery: Charge by DC 4.35V
AC adaptor:	Model:HW-050100U01 Input: AC100-240V 50/60Hz 0.2A Output:DC5.0V 1A

Remark:

This test report (Report No.: SZEM170300257102) is base on the original test report (Report No.: SZEM170300153902) issued on 2017-04-11.

According to the declaration from the applicant, the differences between AGS-L09 and AGS-W09 are as follows:

	AGS-L09(FCC)	AGS-W09(FCC)
GSM	B2/B5	Not Support
WCDMA	B2/B5	Not Support
LTE bands	B5/B7/B41	Not Support
WIFI&BT	WIFI A/B/G/N+BT 4.2+LE+EDR	Only WIFI&BT&GPS
SIM card	Singal	None
NFC	Not Support	Not Support
Camera	the same	the same
FLASH	the same	the same
Main board	the same	the same
PCB layout	the same	the same
Appearance	the same	the same
BT/ WLAN Antenna	the same	the same
GSM/ WCDMA /LTE antenna	Support	None
Adapter	the same	the same
Battery	the same	the same
RF Parameter	The same WIFI NV Parameter	
Dimension	the same	the same
Main Frequency NV	Use the NV itself in the FCC RF band	None

Therefore in this report only **Radiated spurious emissions** were fully retested and all other test data in this report are base on previous report with report number SZEM170300153902.

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	5220
	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:	25.0 °C
Humidity:	55 % RH
Atmospheric Pressure:	1010 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 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	0.75dB
2	RF power density, conducted	2.84dB
3	Spurious emissions, conducted	0.75dB
4	Radiated Spurious emission test	4.5dB (30MHz-1GHz)
		4.8dB (1GHz-25GHz)
5	Conduct emission test	3.12 dB(9KHz- 30MHz)
6	Temperature test	1°C
7	Humidity test	3%
8	DC and low frequency voltages	0.5%

5.11 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

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	2016-10-17	2017-10-17
3	Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2016-04-25	2017-04-25
4	Power Meter	Agilent Technologies	N1914A	W008-02	2016-06-27	2017-06-27
5	Power Sensor	Agilent Technologies	U2021XA	SEM009-01	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	2016-09-16	2017-09-16
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	10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2016-05-13	2017-05-13
2	EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2016-04-25	2017-04-25
3	Trilog-Broadband Antenna(30M-1GHz)	Schwarzbeck	VULB9168	SEM003-18	2016-06-29	2019-06-29
4	Pre-amplifier	Sonoma Instrument Co	310N	SEM005-03	2016-07-06	2017-07-06
5	.Loop Antenna	ETS-Lindgren	6502	SEM003-08	2015-08-14	2018-08-14

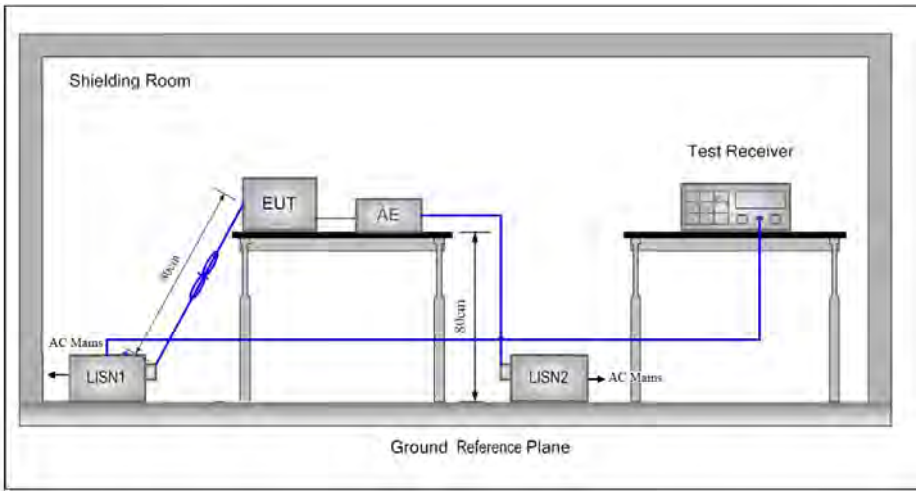
RE in Chamber						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. date (yyyy-mm-dd)**	**Cal.Due date (yyyy-mm-dd)**
1	3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2016-05-13	2017-05-13
2	EMI Test Receiver	Rohde & Schwarz	ESIB26	SEM004-04	2016-04-25	2017-04-25
3	BiConiLog 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	Low Noise Amplifier	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2016-10-09	2017-10-09
7	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A

6 Test results and Measurement Data

6.1 Antenna Requirement

Test Requirement:	47 CFR Part 15 Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
The antenna is integrated antenna and no consideration of replacement. The best case gain of the antenna is 1dBi.	

6.2 Conducted Emissions

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

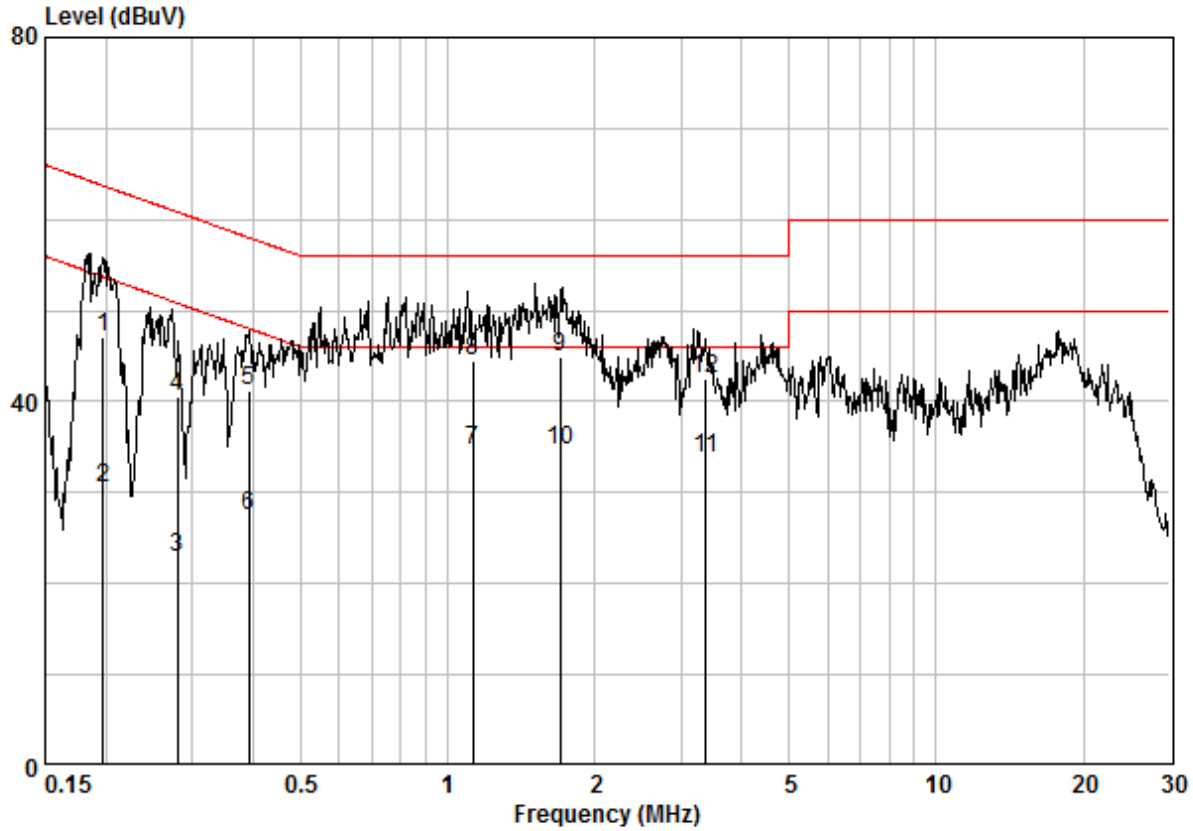
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section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

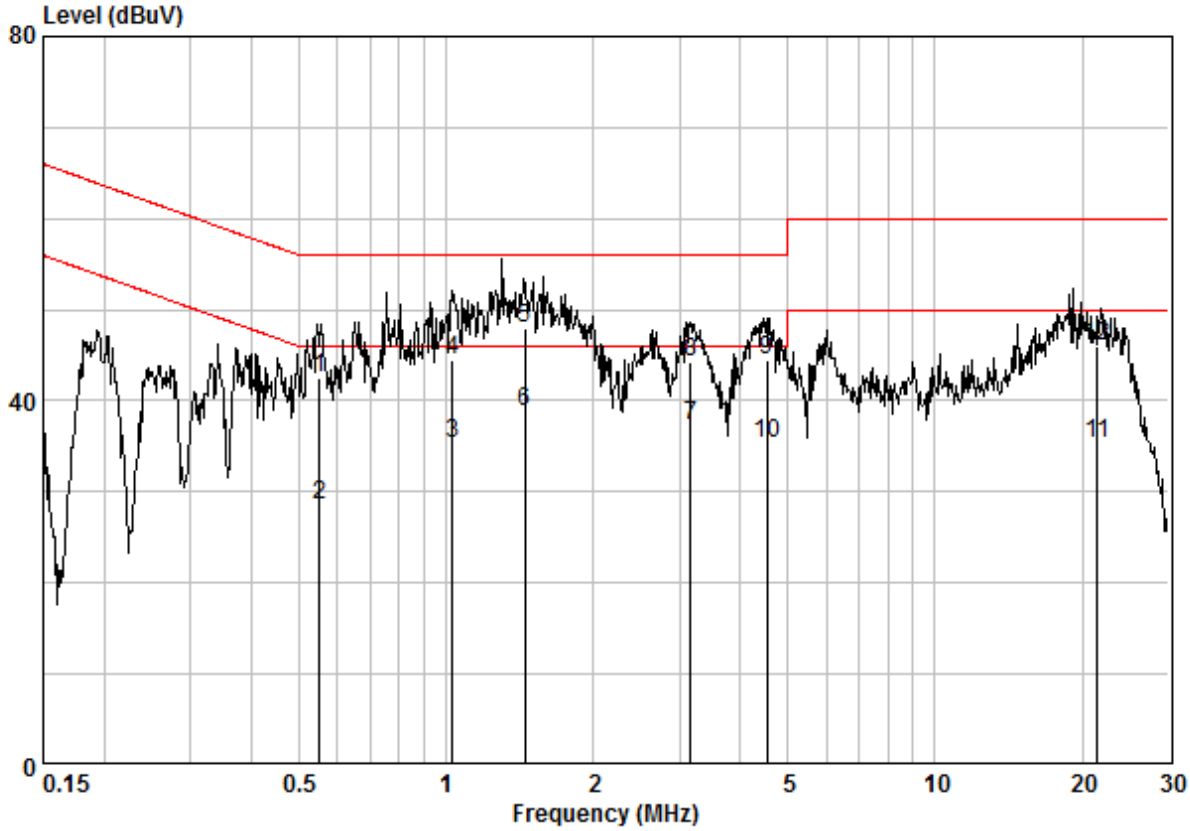
Live Line:



Site : Shielding Room
Condition : CE LINE
Job No. : 01539RG
Test Mode : b
: WIFI5G

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.19758	0.02	9.63	37.47	47.12	63.71	-16.59	QP
2	0.19758	0.02	9.63	20.77	30.42	53.71	-23.29	AVERAGE
3	0.28052	0.02	9.63	13.27	22.92	50.80	-27.88	AVERAGE
4	0.28052	0.02	9.63	30.99	40.64	60.80	-20.16	QP
5	0.39136	0.02	9.63	31.64	41.29	58.03	-16.74	QP
6	0.39136	0.02	9.63	17.82	27.47	48.03	-20.56	AVERAGE
7	1.124	0.03	9.64	24.94	34.61	46.00	-11.39	AVERAGE
8	1.124	0.03	9.64	34.90	44.57	56.00	-11.43	QP
9	1.702	0.03	9.65	35.19	44.88	56.00	-11.12	QP
10	1.702	0.03	9.65	25.07	34.76	46.00	-11.24	AVERAGE
11	3.376	0.02	9.68	24.02	33.72	46.00	-12.28	AVERAGE
12	3.378	0.02	9.68	32.72	42.42	56.00	-13.58	QP

Neutral Line:



Site : Shielding Room
Condition : CE NEUTRAL
Job No. : 01539RG
Test Mode : b
: WIFI5G

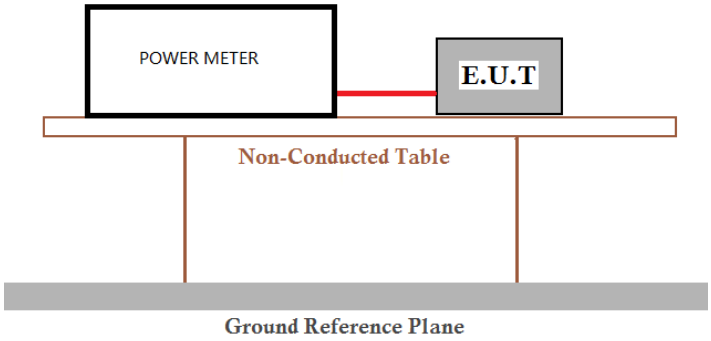
		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.55155	0.02	9.63	32.90	42.55	56.00	-13.45	QP
2		0.55155	0.02	9.63	18.84	28.49	46.00	-17.51	AVERAGE
3		1.029	0.03	9.64	25.64	35.31	46.00	-10.69	AVERAGE
4		1.029	0.03	9.64	34.88	44.55	56.00	-11.45	QP
5		1.452	0.03	9.65	38.27	47.95	56.00	-8.05	QP
6	@	1.452	0.03	9.65	29.10	38.78	46.00	-7.22	AVERAGE
7		3.168	0.02	9.67	27.65	37.35	46.00	-8.65	AVERAGE
8		3.168	0.02	9.67	34.50	44.20	56.00	-11.80	QP
9		4.531	0.02	9.71	34.79	44.52	56.00	-11.48	QP
10		4.531	0.02	9.71	25.56	35.29	46.00	-10.71	AVERAGE
11		21.480	0.17	10.26	24.81	35.23	50.00	-14.77	AVERAGE
12		21.480	0.17	10.26	35.54	45.96	60.00	-14.04	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:		
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; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 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	

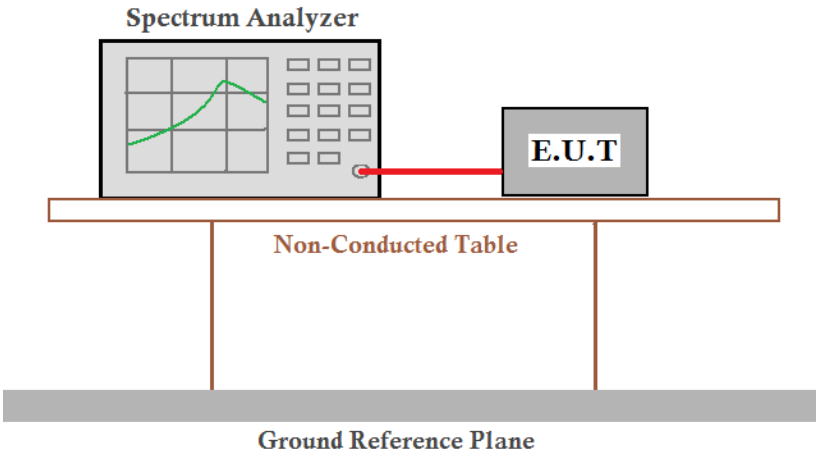
Measurement Data:

802.11a mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	16.92	24.00	Pass
5220	16.81	24.00	Pass
5240	16.93	24.00	Pass
5260	16.91	24.00	Pass
5300	16.74	24.00	Pass
5320	16.82	24.00	Pass
5500	16.88	24.00	Pass
5600	16.82	24.00	Pass
5700	16.73	24.00	Pass
5745	16.77	30.00	Pass
5785	16.89	30.00	Pass
5825	16.73	30.00	Pass

802.11n(HT20) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	16.78	24.00	Pass
5220	16.85	24.00	Pass
5240	16.82	24.00	Pass
5260	16.73	24.00	Pass
5300	16.87	24.00	Pass
5320	16.82	24.00	Pass
5500	16.82	24.00	Pass
5600	16.77	24.00	Pass
5700	16.79	24.00	Pass
5745	16.65	30.00	Pass
5785	16.89	30.00	Pass
5825	16.84	30.00	Pass

802.11 n(HT40) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5190	16.82	24.00	Pass
5230	16.72	24.00	Pass
5270	16.69	24.00	Pass
5310	16.97	24.00	Pass
5510	16.93	24.00	Pass
5590	16.79	24.00	Pass
5670	16.89	24.00	Pass
5755	16.98	30.00	Pass
5795	16.92	30.00	Pass

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; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 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	22.58	17.38
5220	22.62	17.38
5240	22.46	17.34
5260	22.62	17.38
5300	22.46	17.38
5320	22.62	17.34
5500	22.54	17.38
5600	22.54	17.34
5700	22.50	17.30
5745	22.70	17.34
5785	22.50	17.38
5825	22.58	17.38

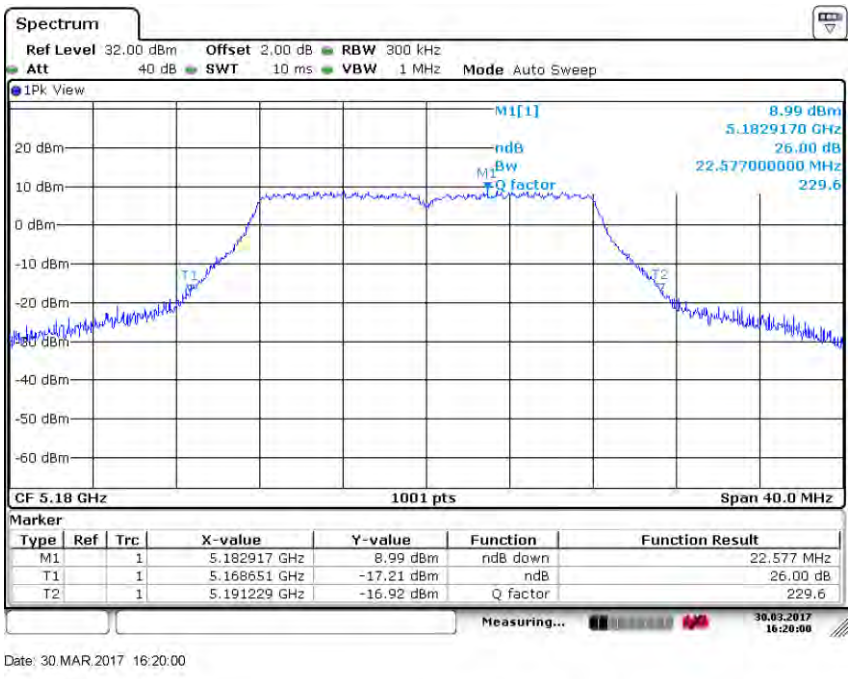
802.11n(HT20) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	23.06	18.26
5220	23.02	18.22
5240	22.78	18.22
5260	22.78	18.22
5300	22.78	18.26
5320	22.82	18.22
5500	22.74	18.26
5600	22.94	18.22
5700	22.98	18.30
5745	22.82	18.26
5785	22.86	18.26
5825	22.66	18.26

802.11n(HT40) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	44.28	36.52
5230	44.36	36.44
5270	44.20	36.44
5310	44.12	36.44
5510	44.12	36.44
5590	44.36	36.44
5670	44.52	36.52
5755	44.36	36.44
5795	44.28	36.52

26dB Emission Bandwidth

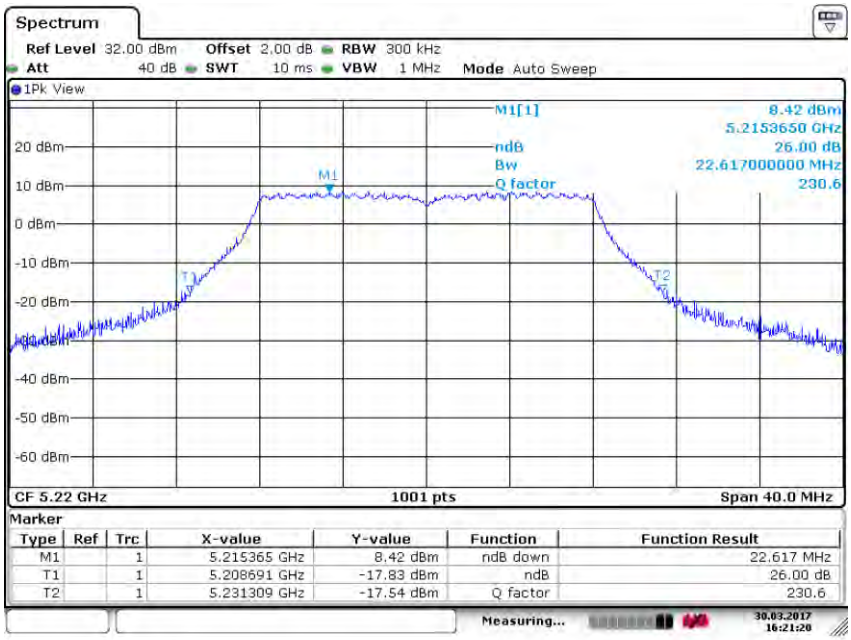
Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180



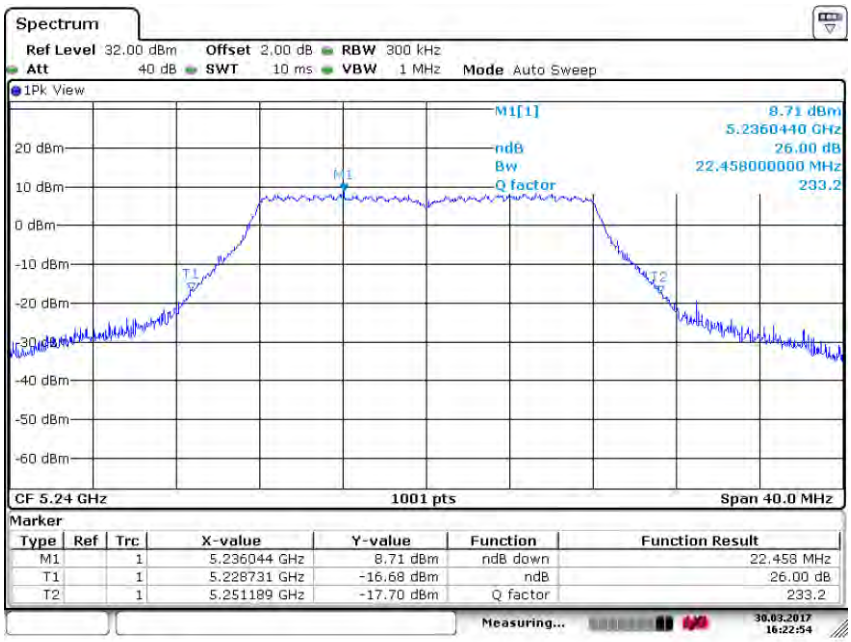
Date: 30.MAR.2017 16:20:00

Test mode:	802.11a	Frequency(MHz):	5220



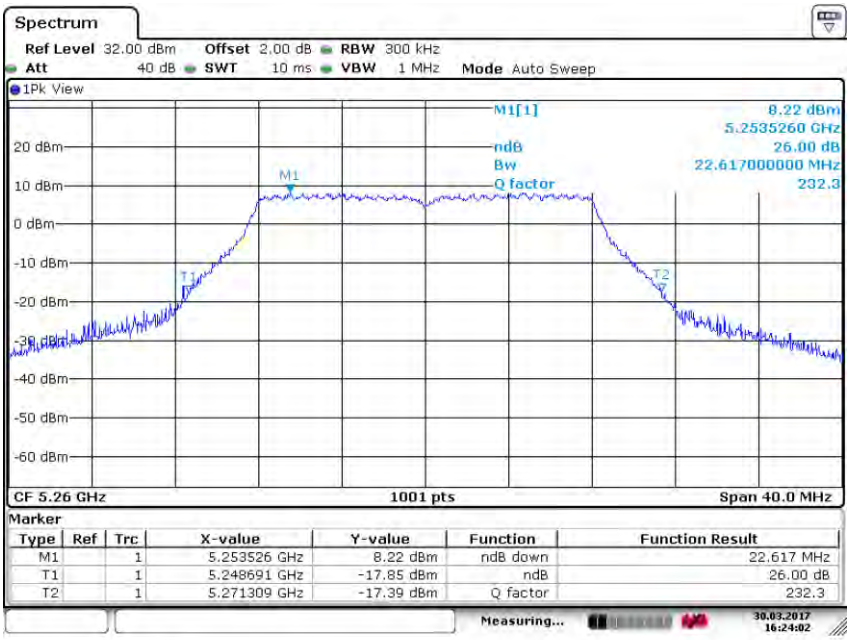
Date: 30.MAR.2017 16:21:21

Test mode:	802.11a	Frequency(MHz):	5240



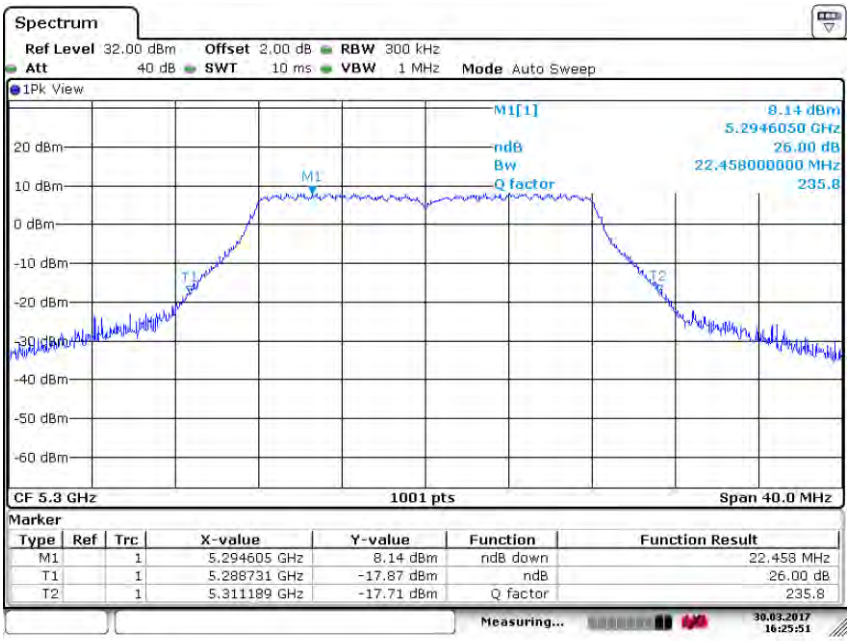
Date: 30.MAR.2017 16:22:55

Test mode:	802.11a	Frequency(MHz):	5260



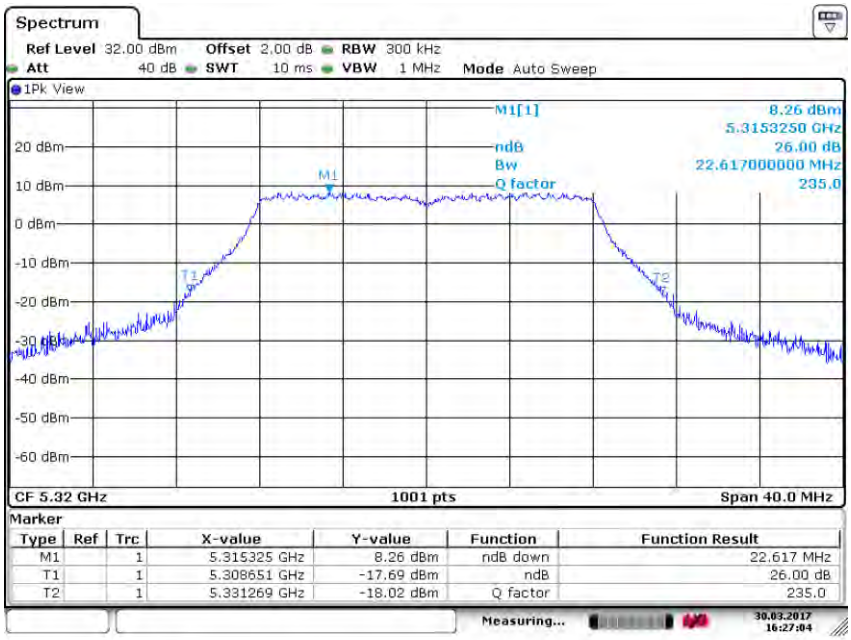
Date: 30.MAR.2017 16:24:03

Test mode:	802.11a	Frequency(MHz):	5300



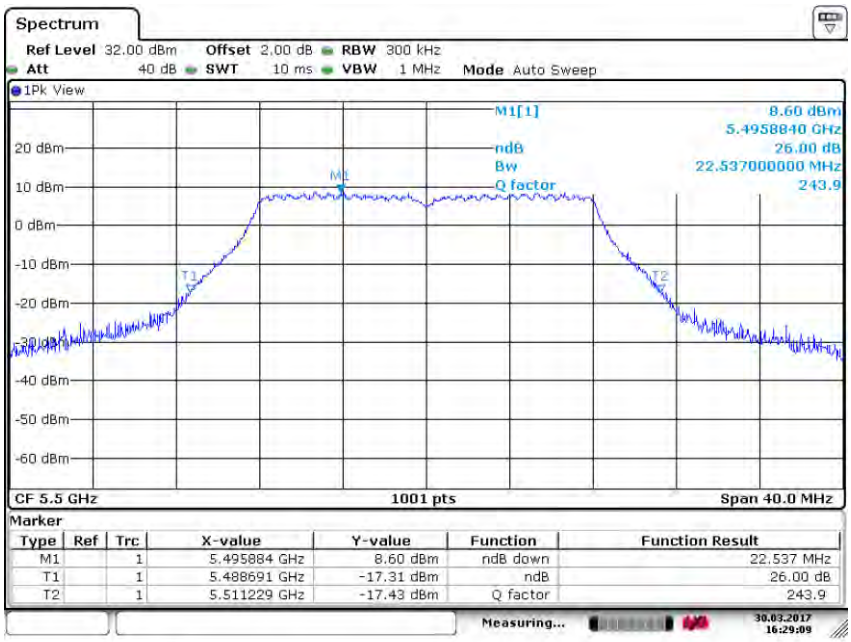
Date: 30.MAR.2017 16:25:52

Test mode:	802.11a	Frequency(MHz):	5320



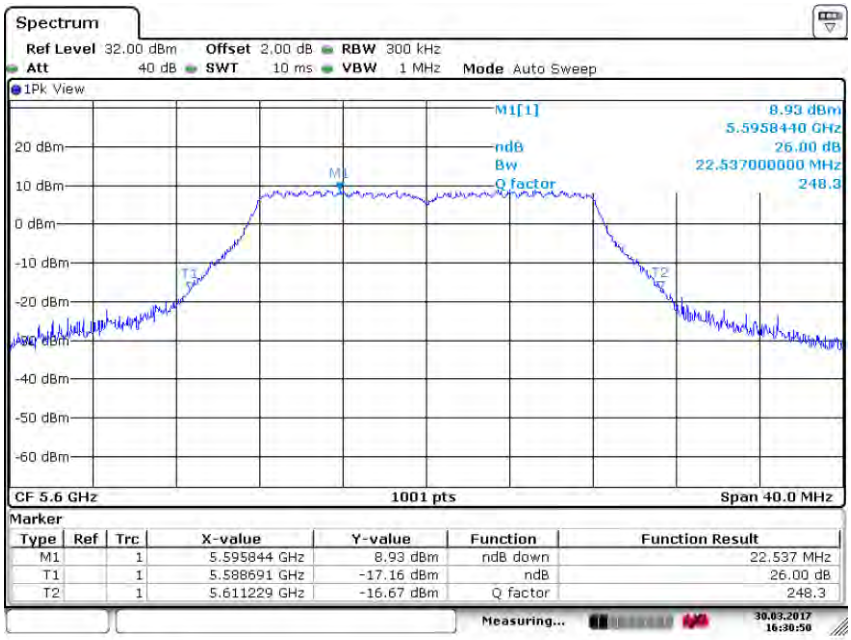
Date: 30.MAR.2017 16:27:04

Test mode:	802.11a	Frequency(MHz):	5500



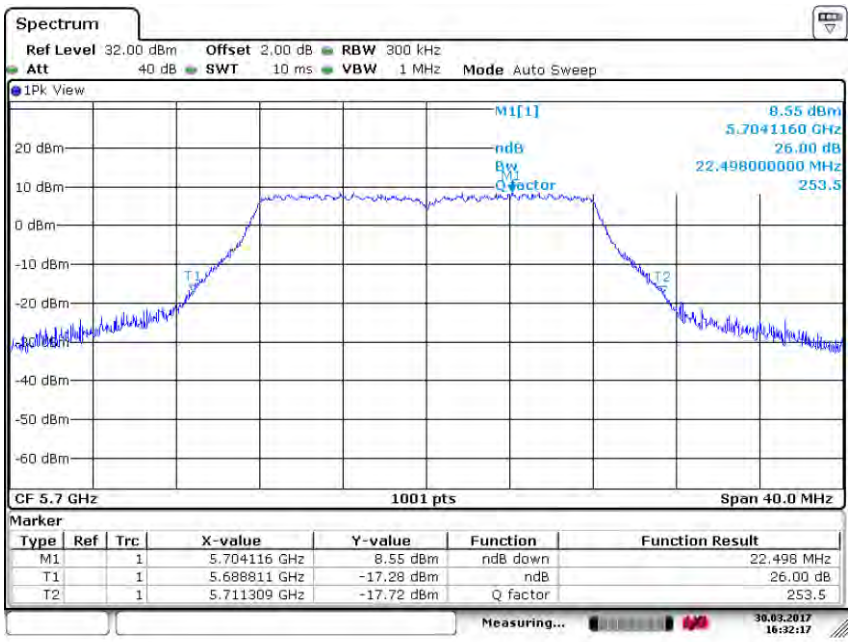
Date: 30.MAR.2017 16:29:09

Test mode:	802.11a	Frequency(MHz):	5600



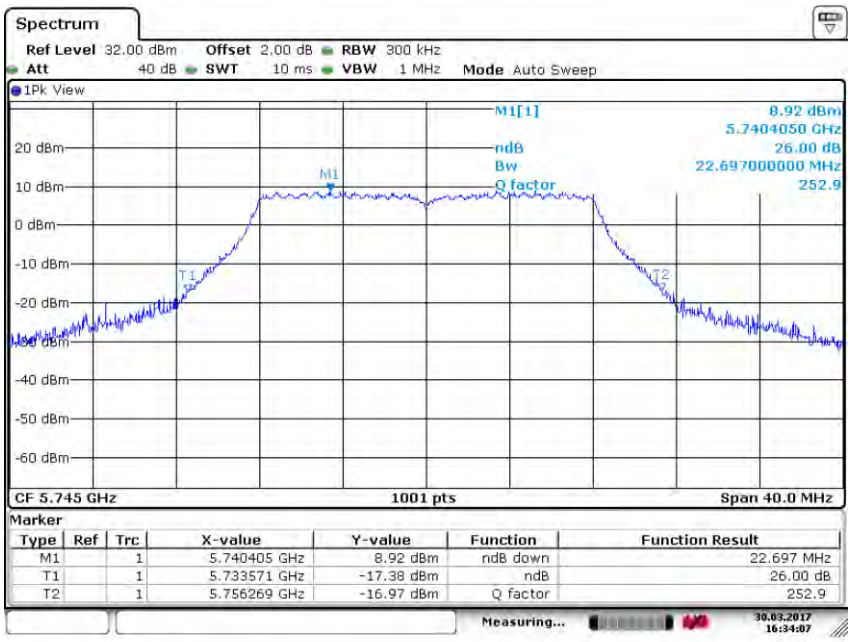
Date: 30.MAR.2017 16:30:51

Test mode:	802.11a	Frequency(MHz):	5700



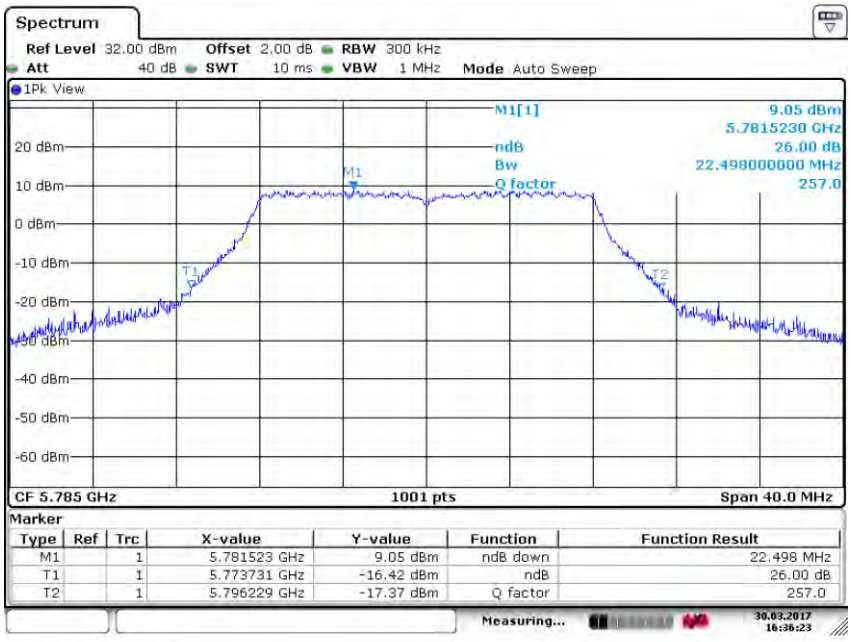
Date: 30.MAR.2017 16:32:18

Test mode:	802.11a	Frequency(MHz):	5745



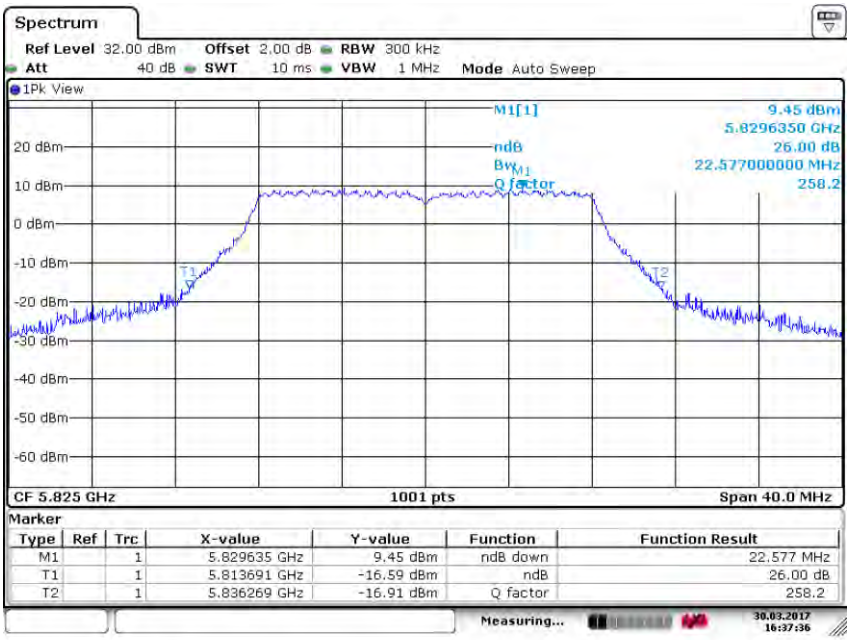
Date: 30.MAR.2017 16:34:07

Test mode:	802.11a	Frequency(MHz):	5785



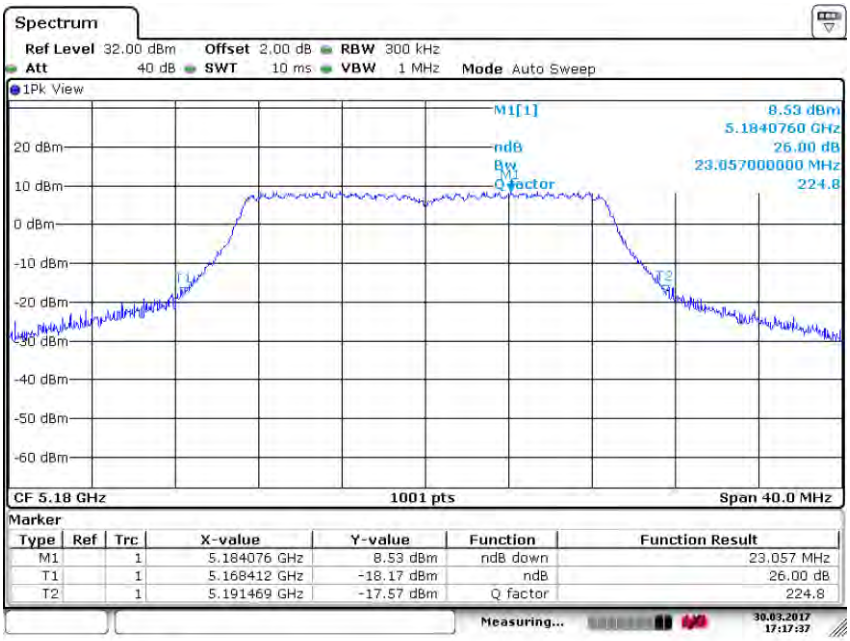
Date: 30.MAR.2017 16:36:23

Test mode:	802.11a	Frequency(MHz):	5825



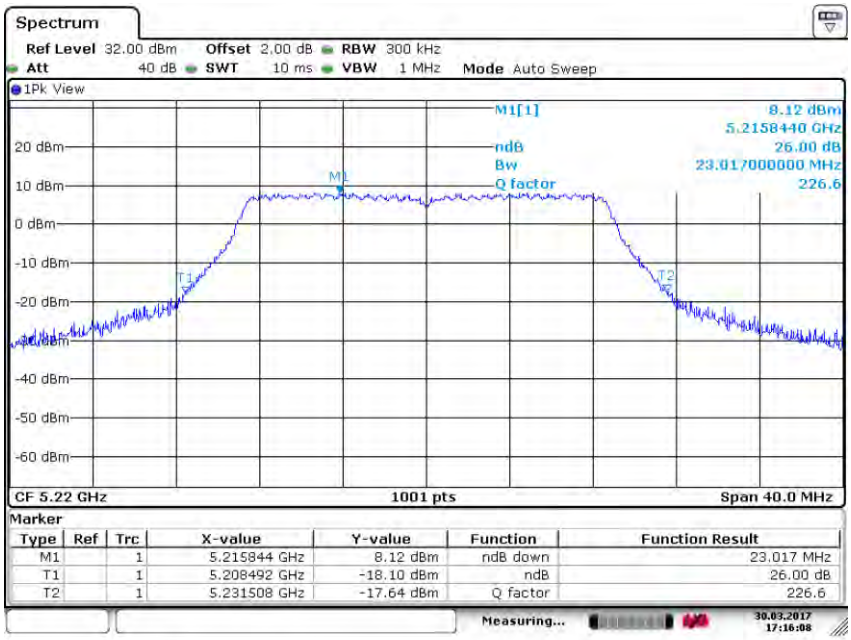
Date: 30.MAR.2017 16:37:36

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



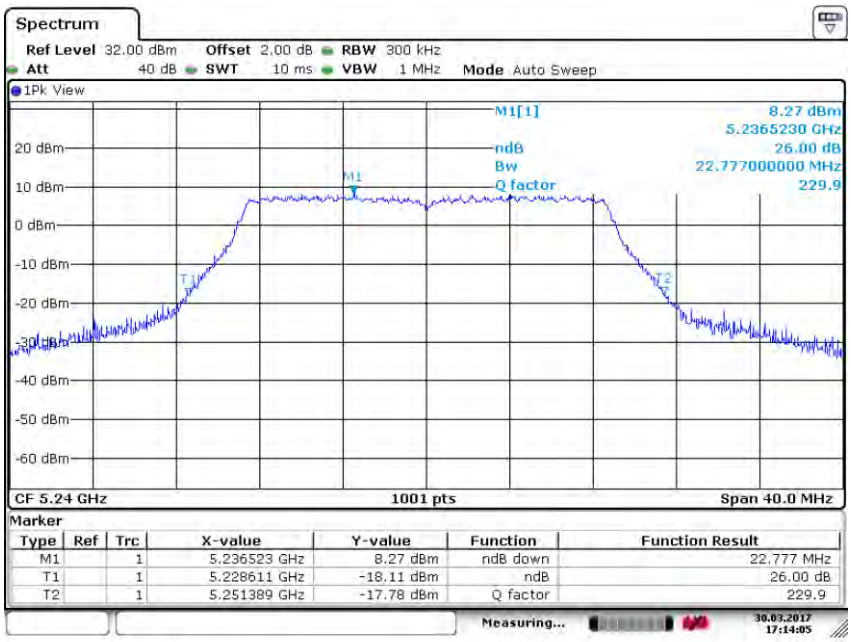
Date: 30.MAR.2017 17:17:37

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



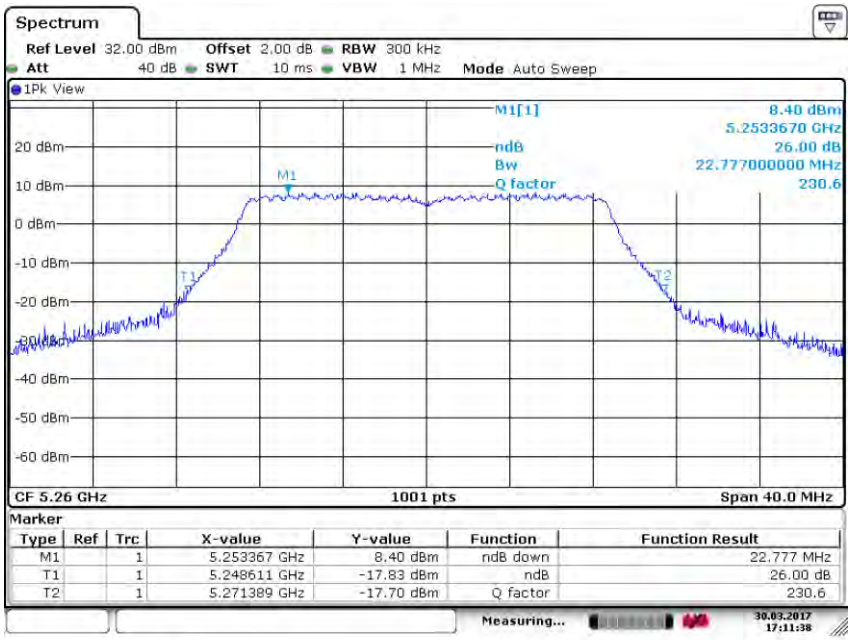
Date: 30.MAR.2017 17:16:07

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



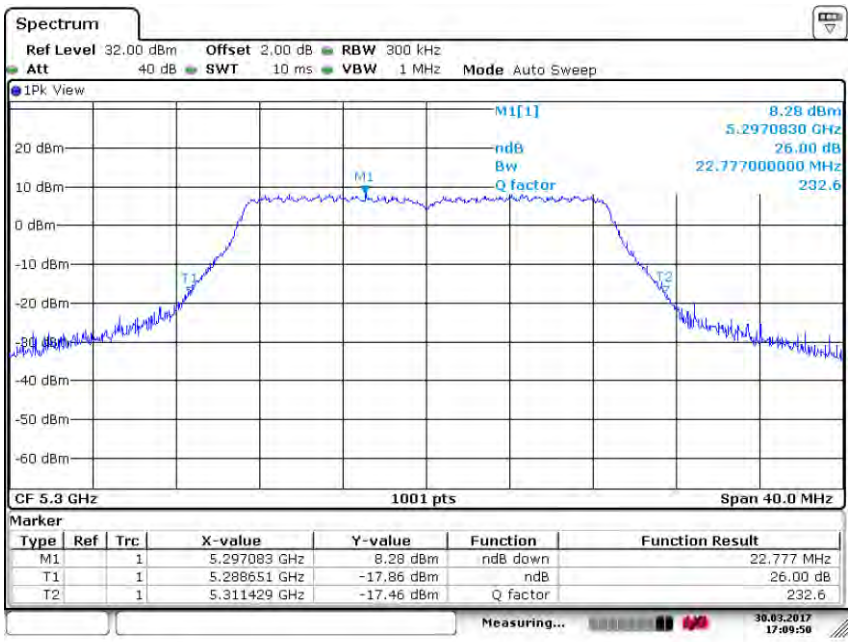
Date: 30.MAR.2017 17:14:05

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



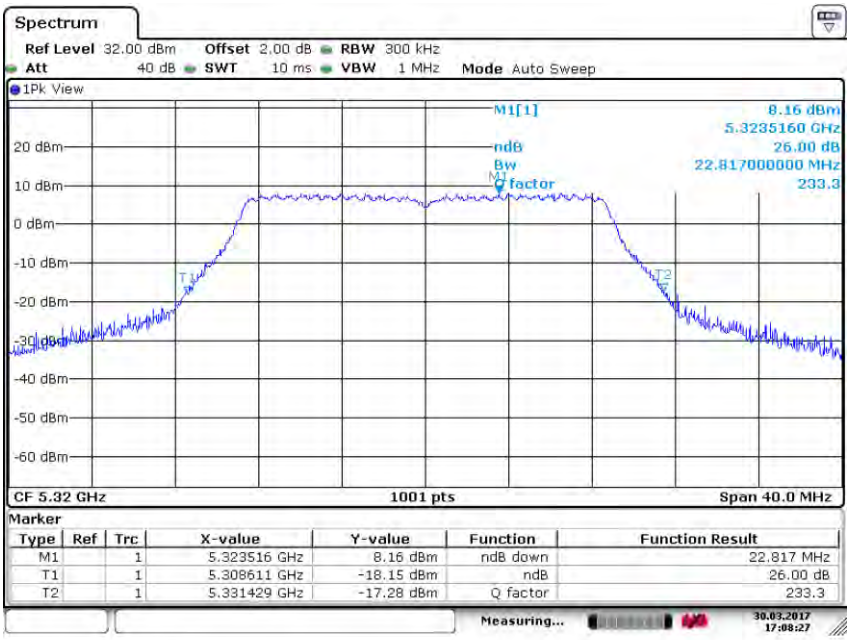
Date: 30.MAR.2017 17:11:38

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



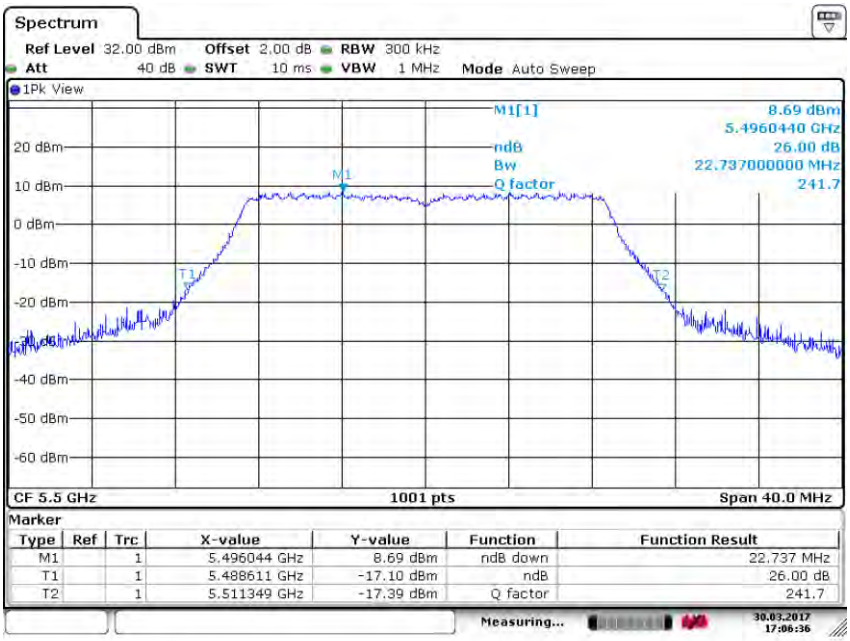
Date: 30.MAR.2017 17:09:51

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



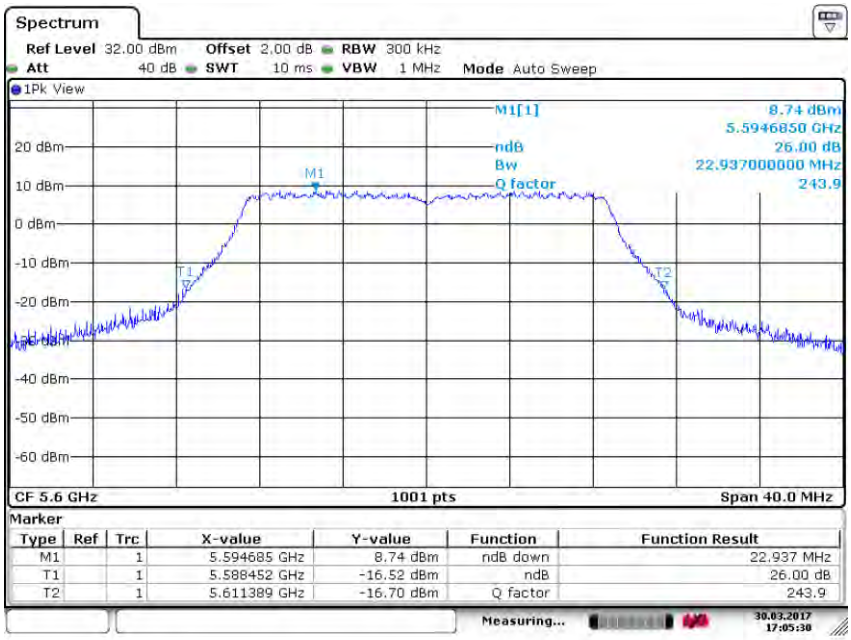
Date: 30.MAR.2017 17:08:28

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



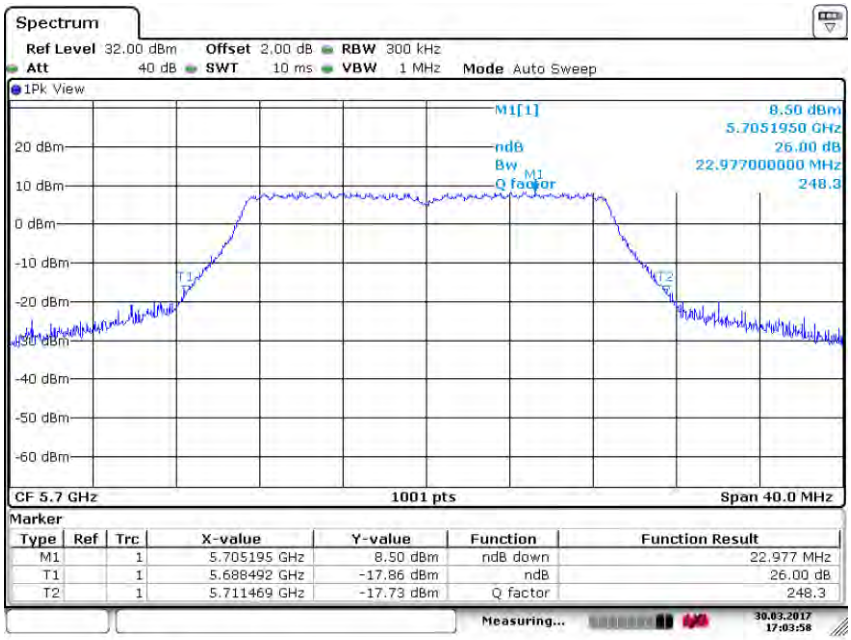
Date: 30.MAR.2017 17:06:36

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



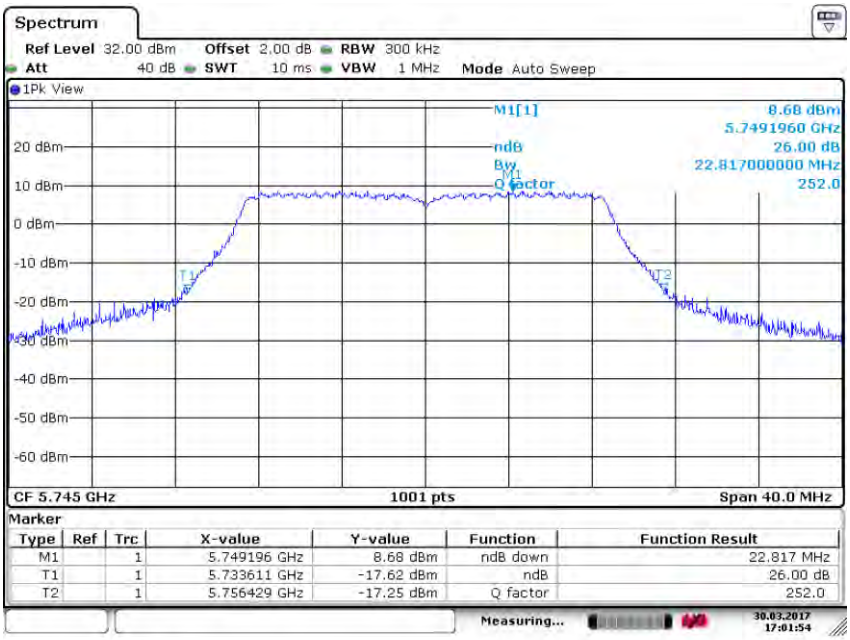
Date: 30.MAR.2017 17:05:30

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



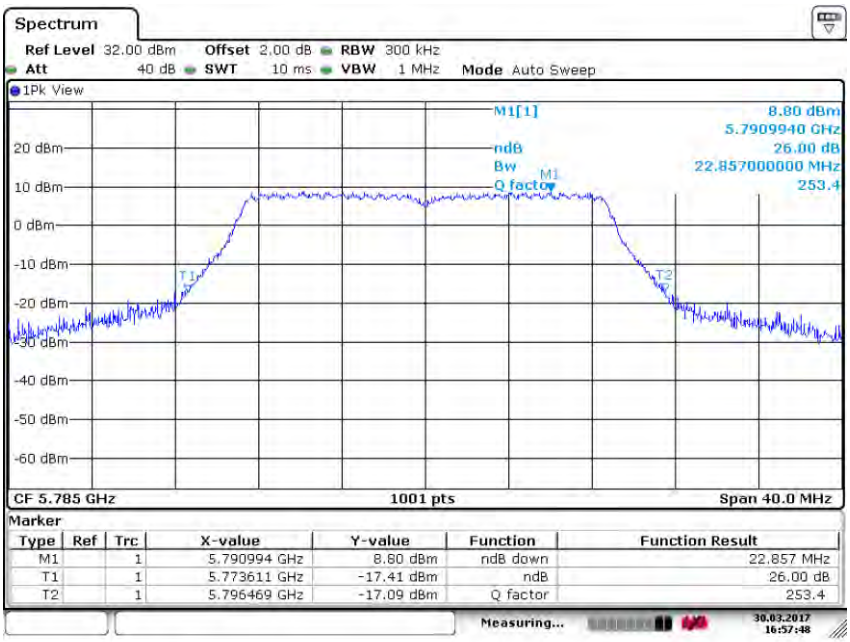
Date: 30.MAR.2017 17:03:58

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



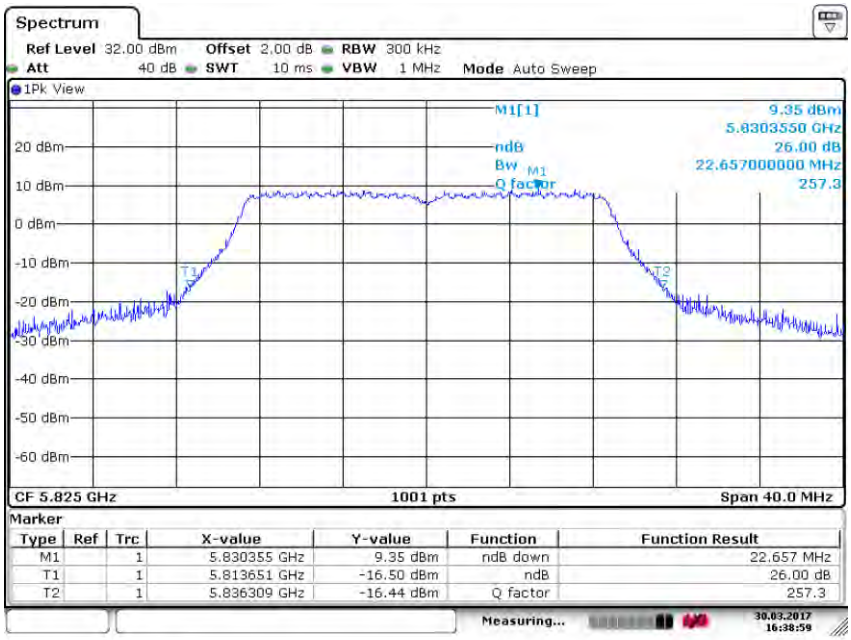
Date: 30.MAR.2017 17:01:54

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



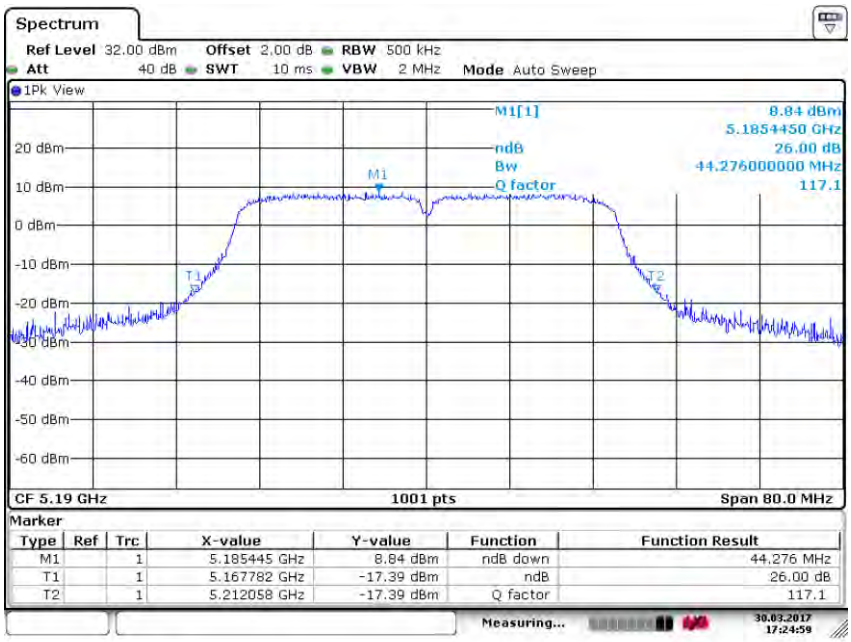
Date: 30.MAR.2017 16:57:49

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



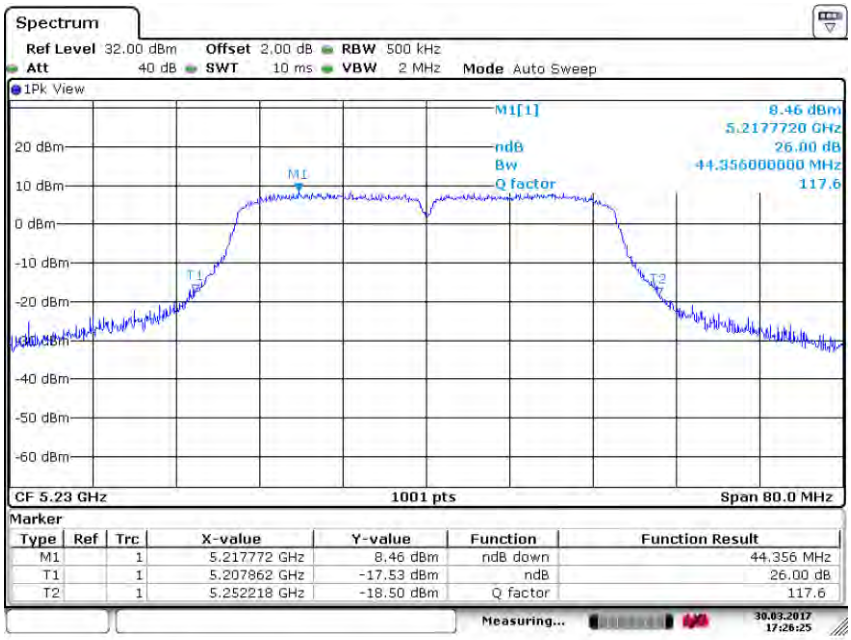
Date: 30.MAR.2017 16:38:59

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



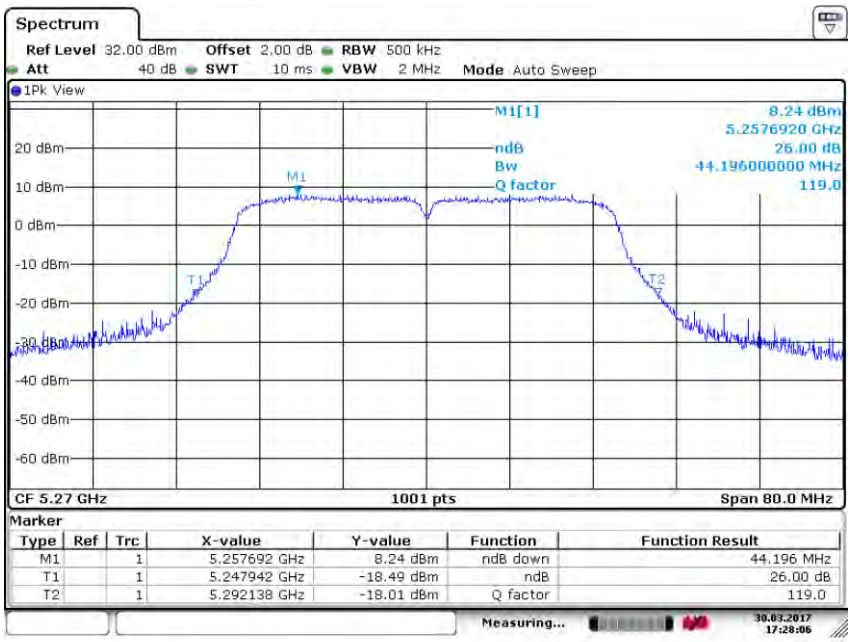
Date: 30.MAR.2017 17:24:59

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



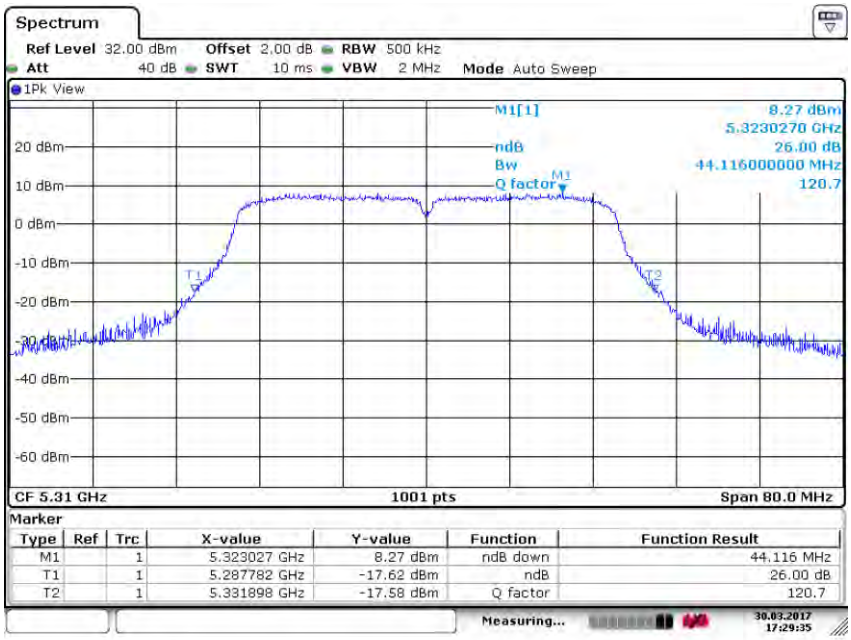
Date: 30.MAR.2017 17:26:25

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



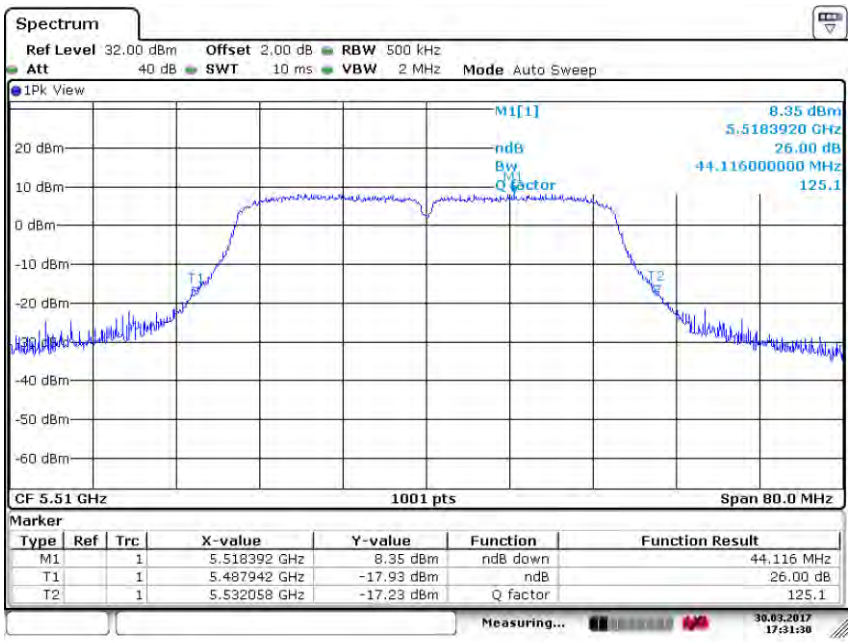
Date: 30.MAR.2017 17:28:06

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



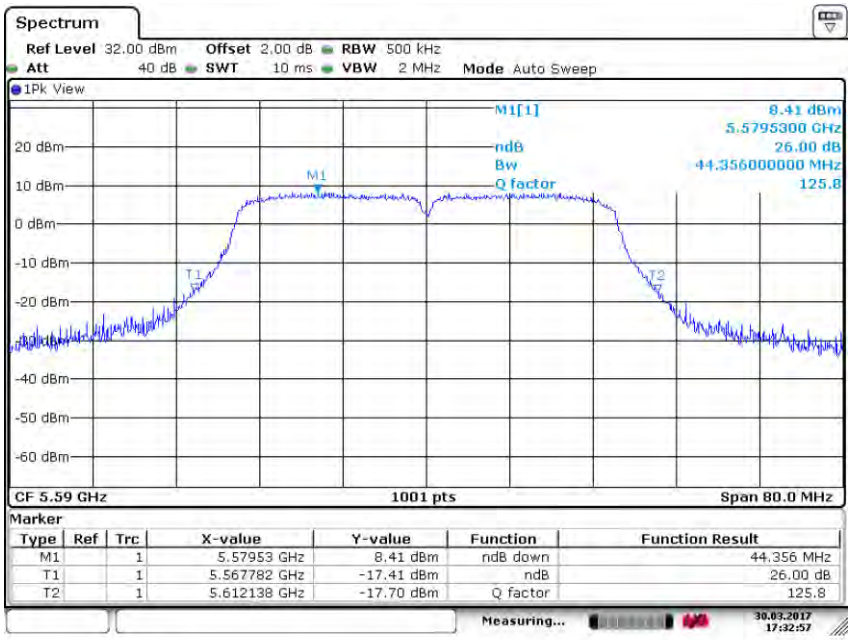
Date: 30.MAR.2017 17:29:35

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



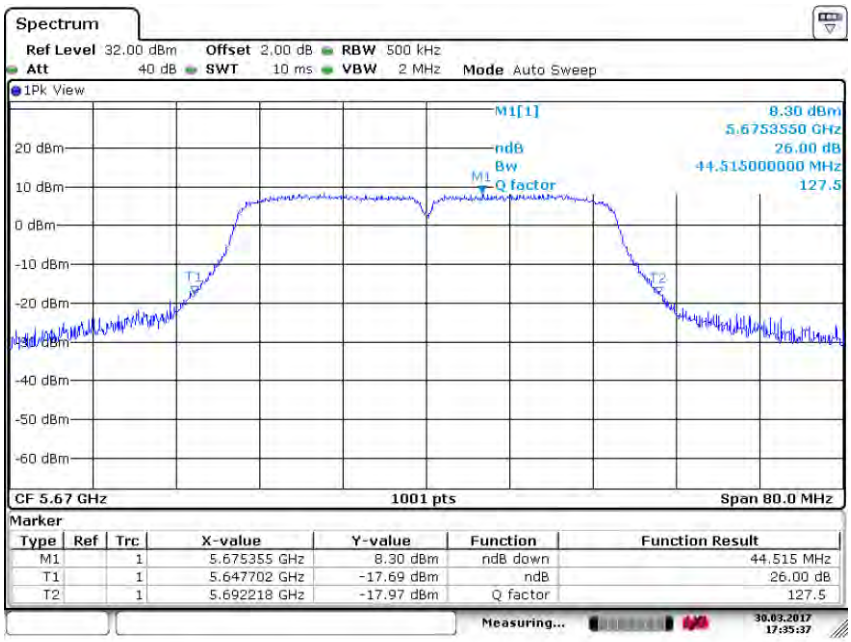
Date: 30.MAR.2017 17:31:31

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



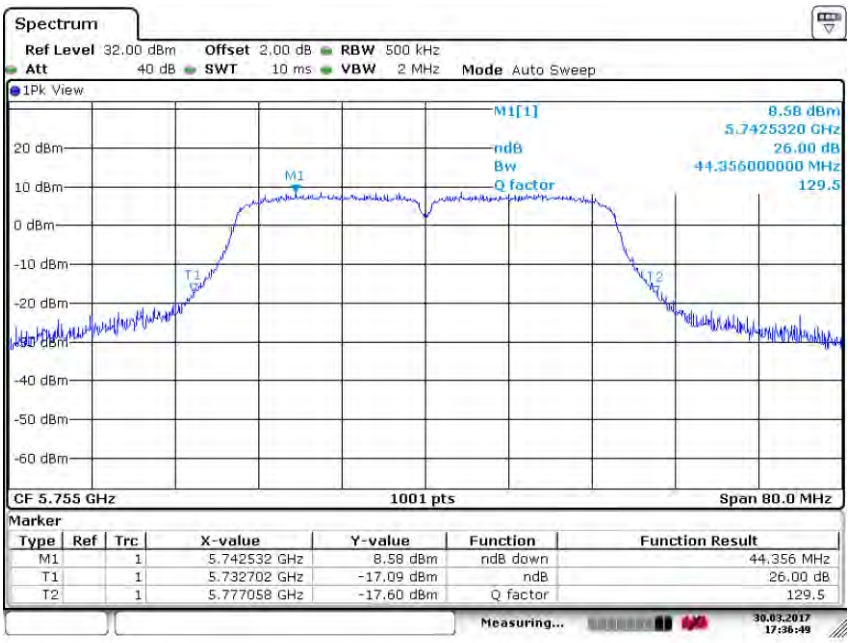
Date: 30.MAR.2017 17:32:57

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



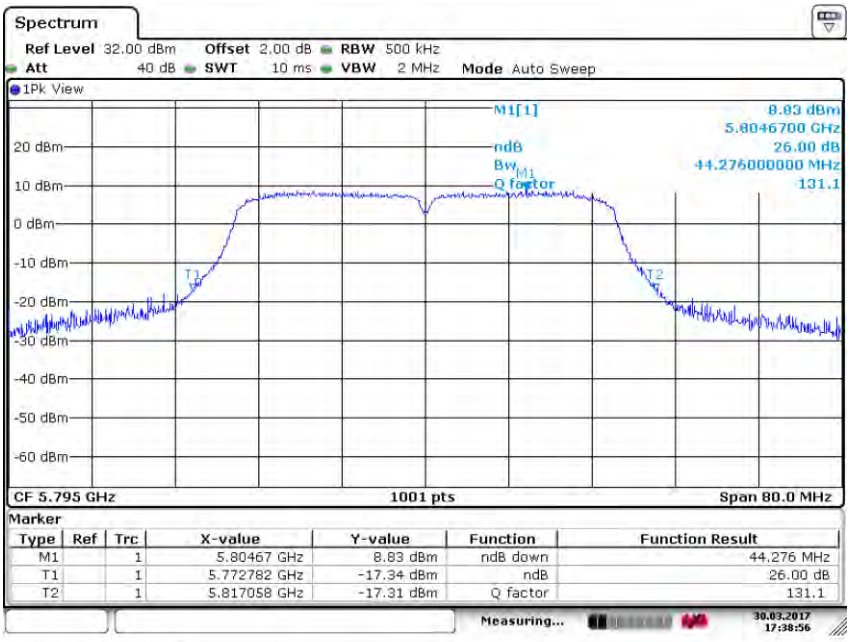
Date: 30.MAR.2017 17:35:37

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



Date: 30.MAR.2017 17:36:49

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

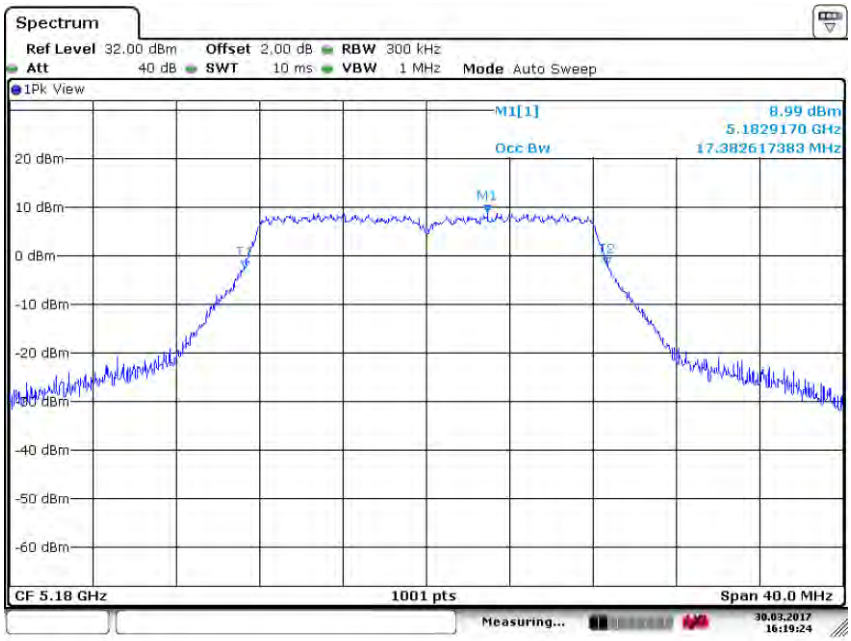


Date: 30.MAR.2017 17:38:57

99% occupied bandwidth

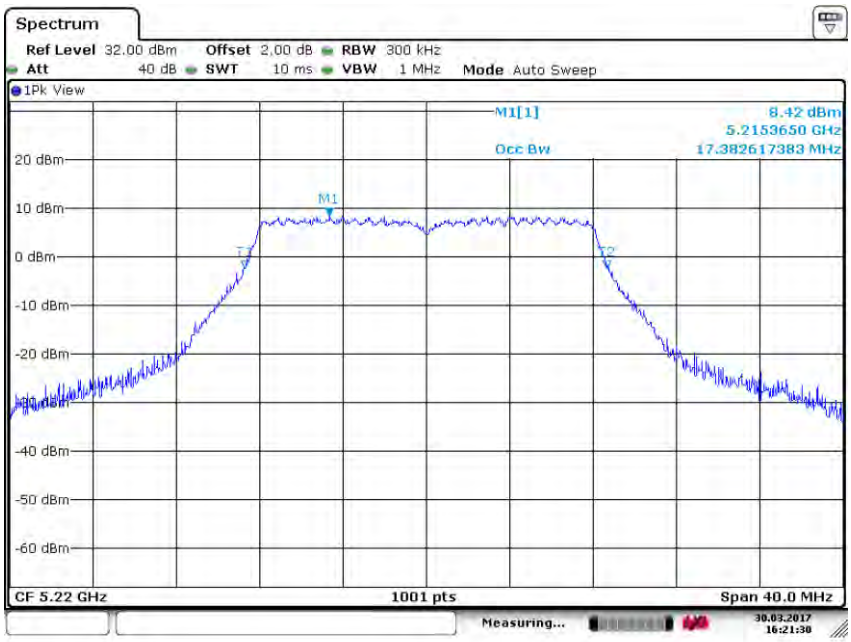
Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180



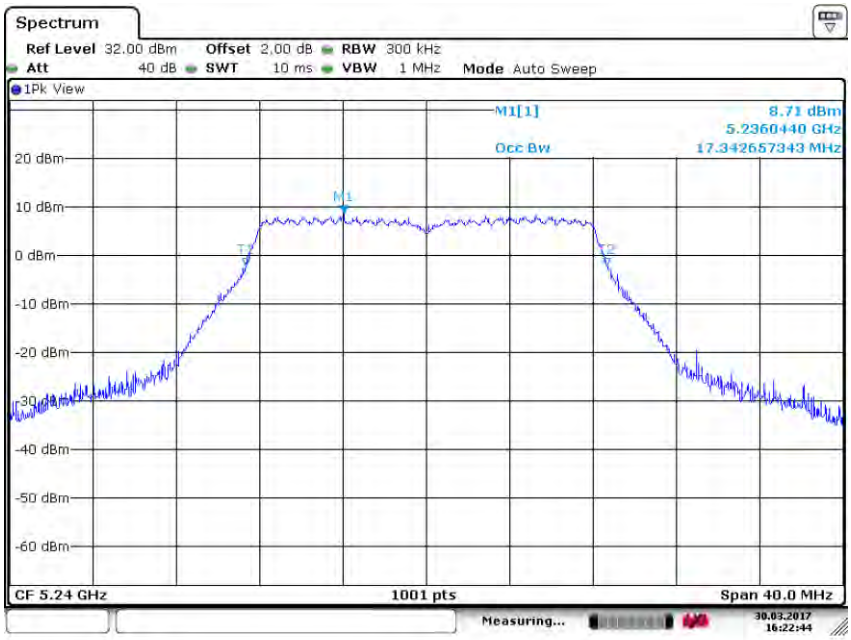
Date: 30.MAR.2017 16:19:23

Test mode:	802.11a	Frequency(MHz):	5220



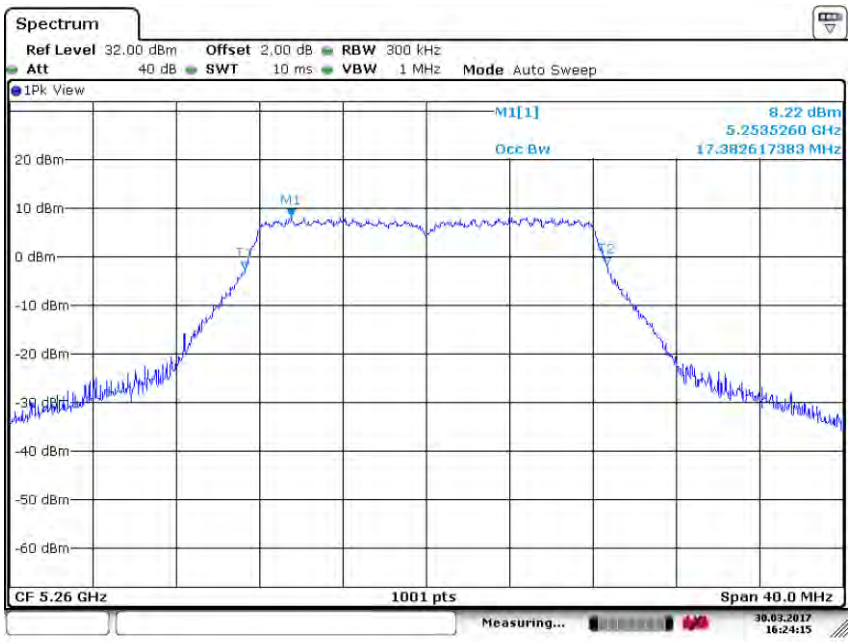
Date: 30.MAR.2017 16:21:31

Test mode:	802.11a	Frequency(MHz):	5240



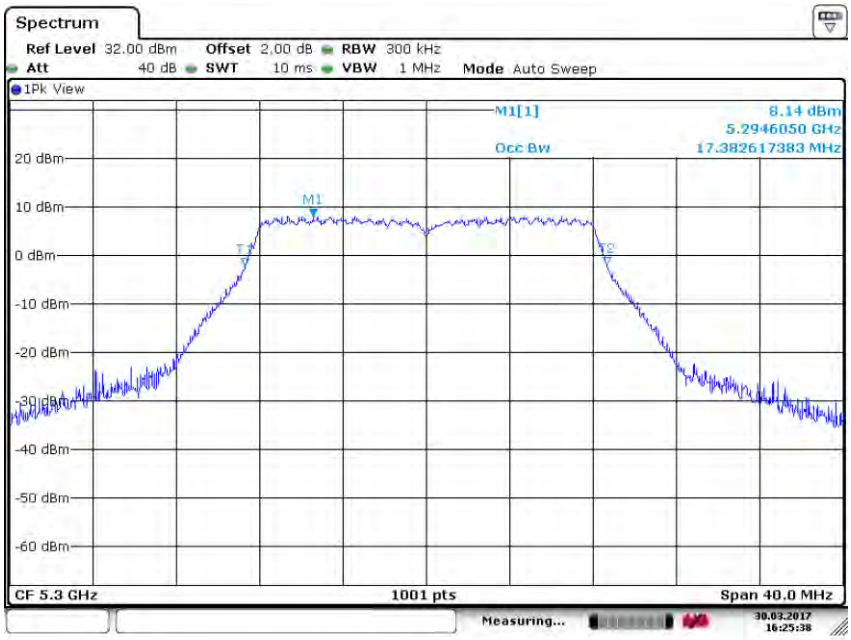
Date: 30.MAR.2017 16:22:45

Test mode:	802.11a	Frequency(MHz):	5260



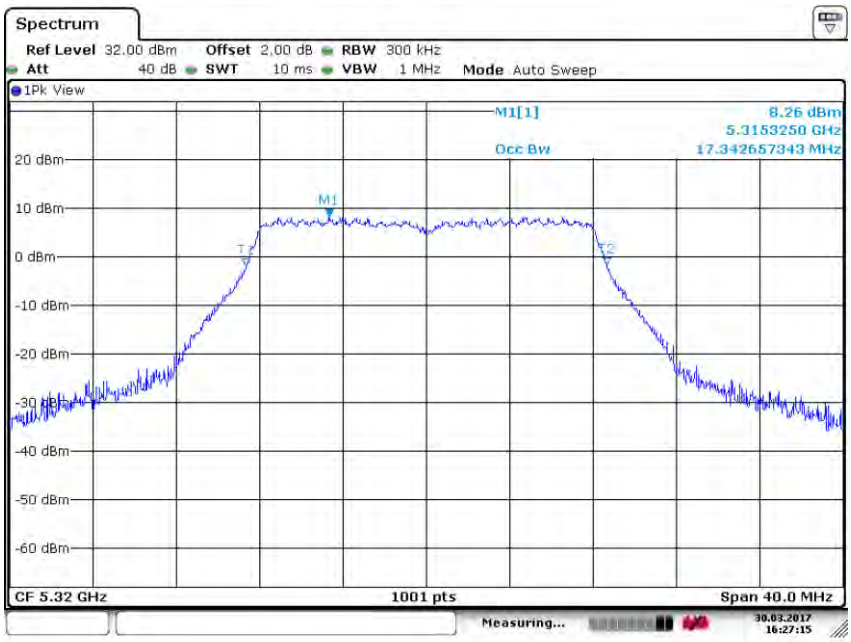
Date: 30.MAR.2017 16:24:15

Test mode:	802.11a	Frequency(MHz):	5300



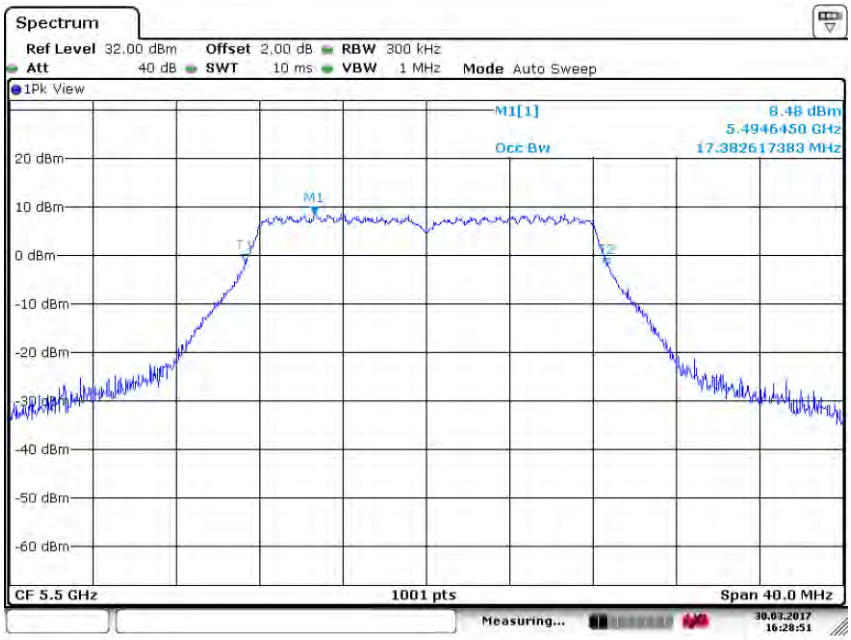
Date: 30.MAR.2017 16:25:38

Test mode:	802.11a	Frequency(MHz):	5320



Date: 30.MAR.2017 16:27:15

Test mode:	802.11a	Frequency(MHz):	5500

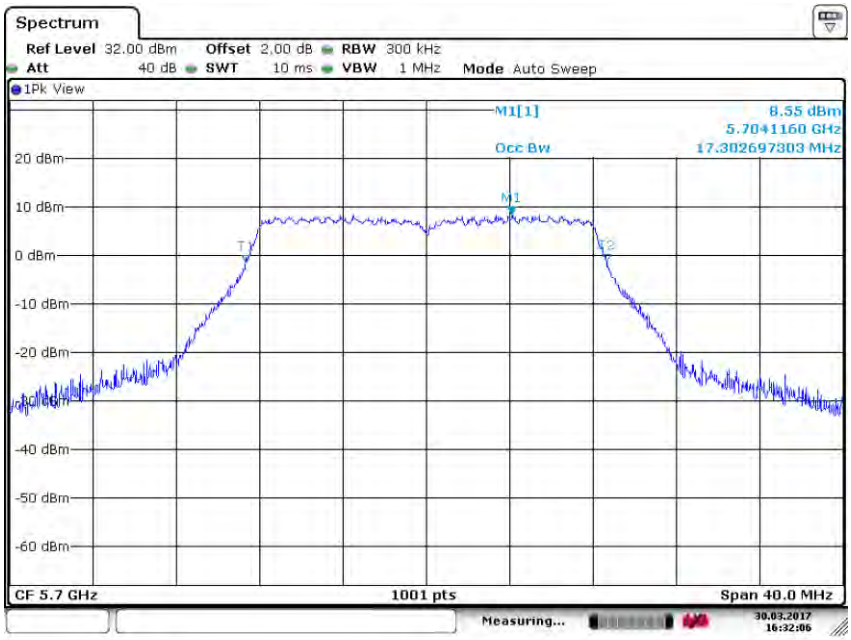


Date: 30.MAR.2017 16:28:52

Test mode:	802.11a	Frequency(MHz):	5600

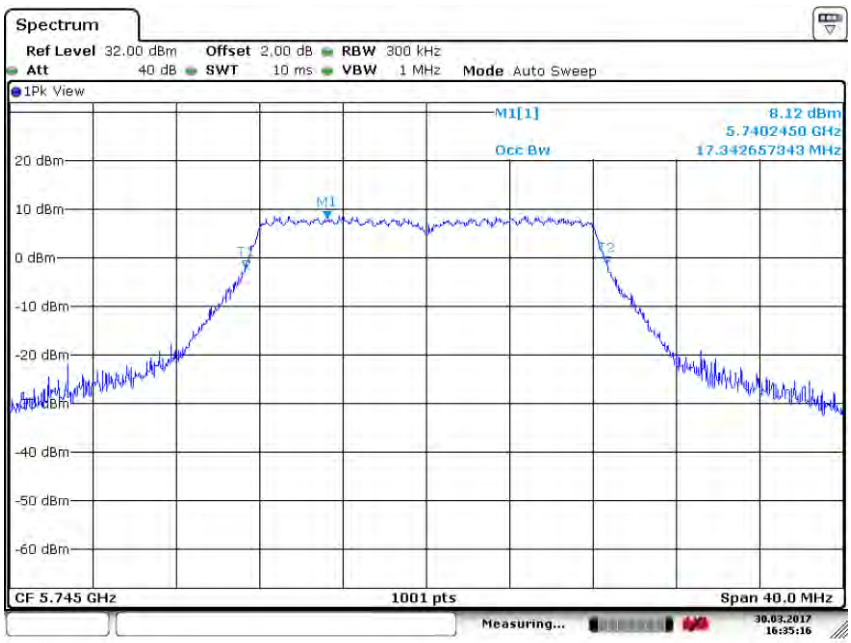
Date: 30.MAR.2017 16:31:02

Test mode:	802.11a	Frequency(MHz):	5700



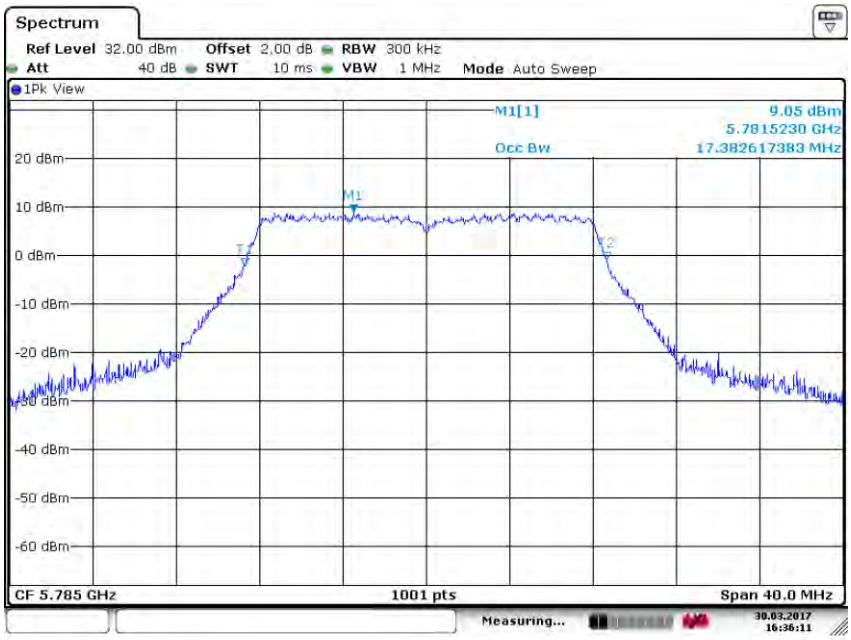
Date: 30.MAR.2017 16:32:07

Test mode:	802.11a	Frequency(MHz):	5745



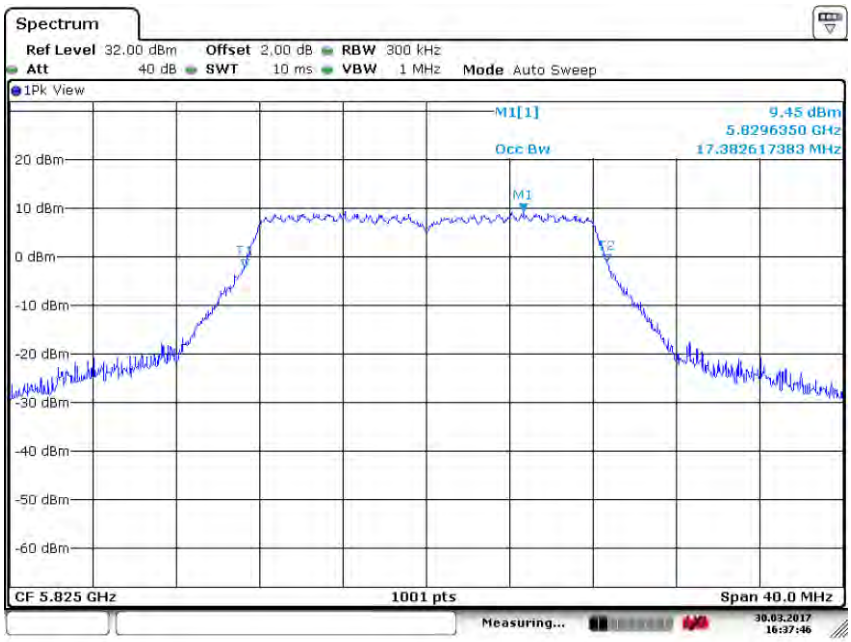
Date: 30.MAR.2017 16:35:16

Test mode:	802.11a	Frequency(MHz):	5785



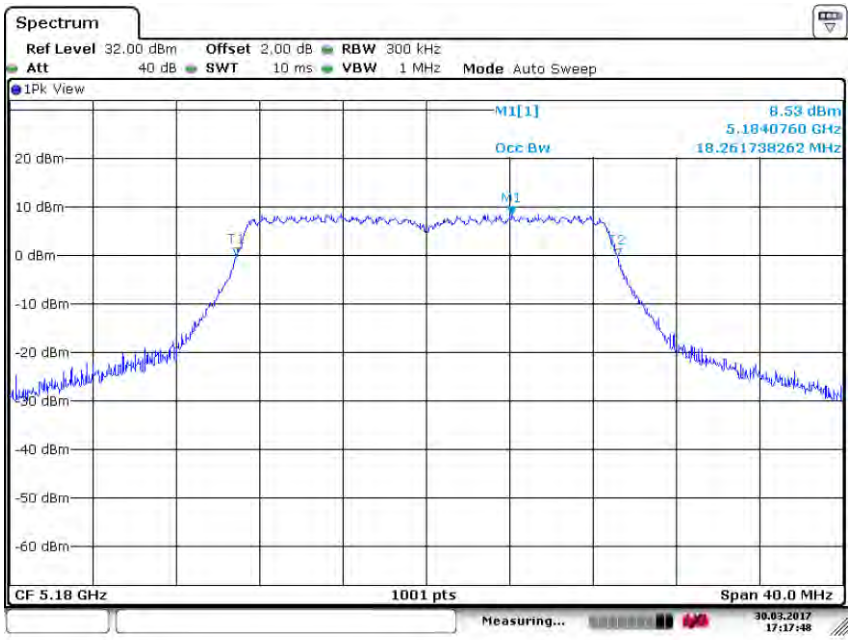
Date: 30.MAR.2017 16:36:12

Test mode:	802.11a	Frequency(MHz):	5825



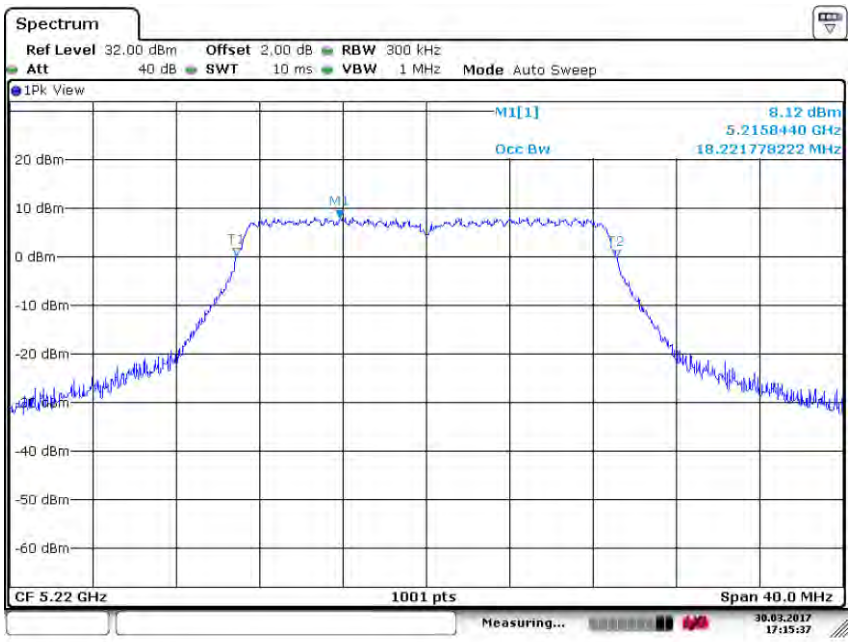
Date: 30.MAR.2017 16:37:46

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



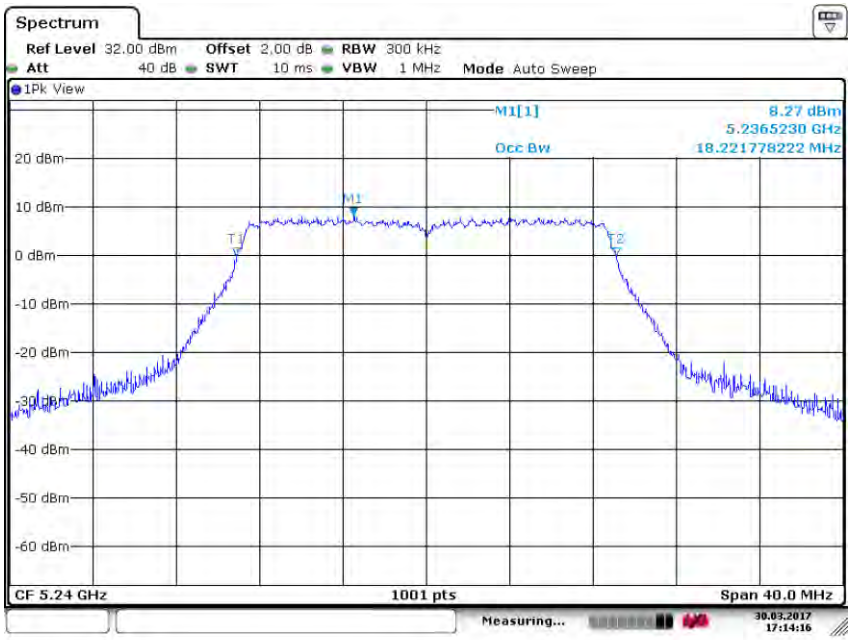
Date: 30.MAR.2017 17:17:48

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



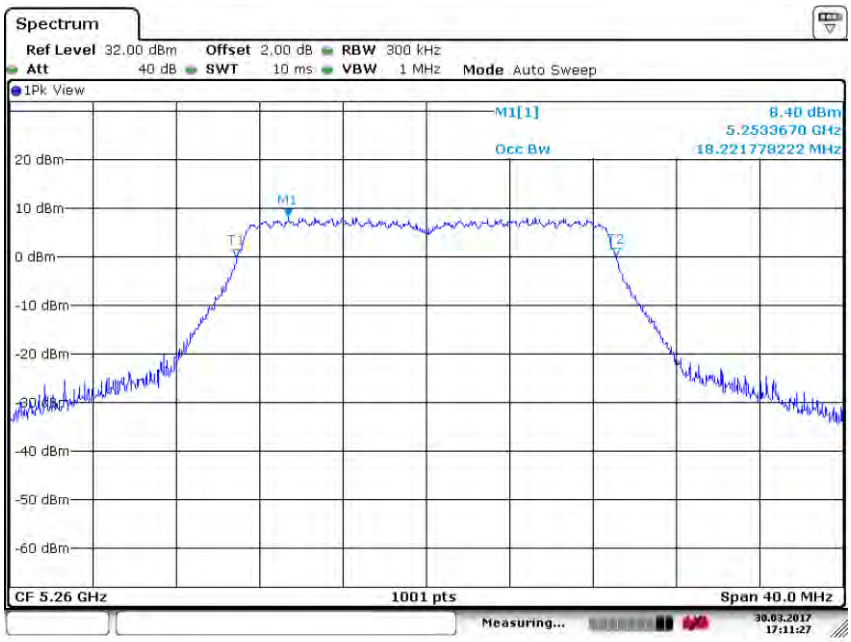
Date: 30.MAR.2017 17:15:38

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



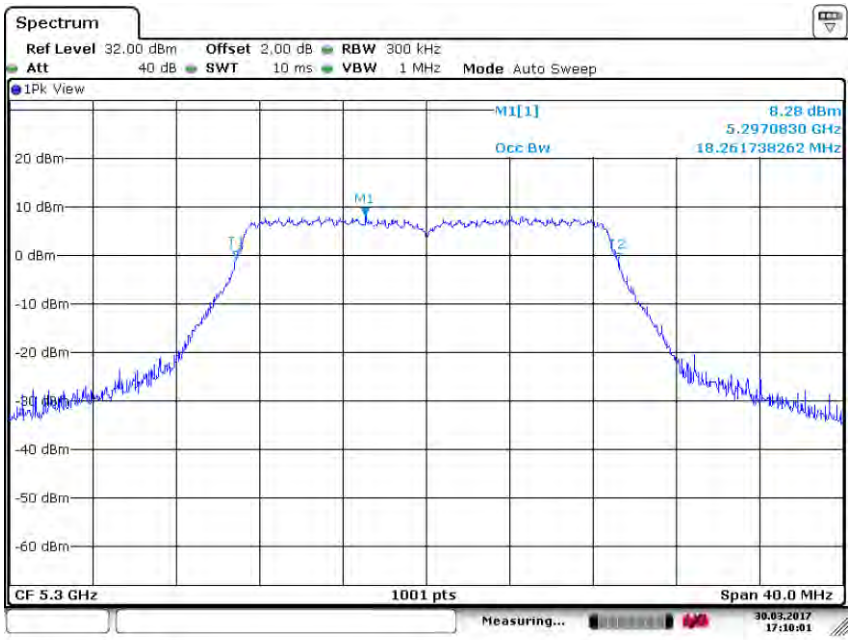
Date: 30.MAR.2017 17:14:16

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



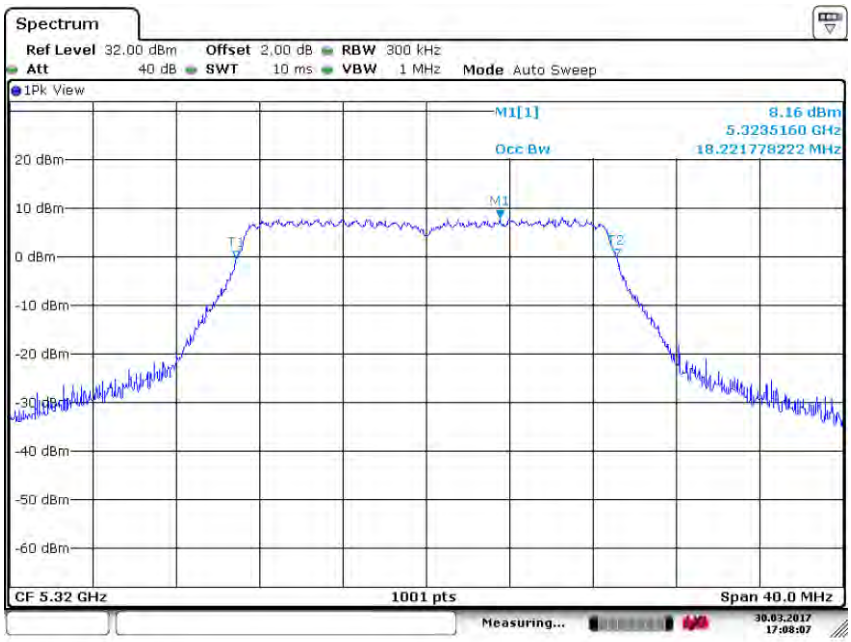
Date: 30.MAR.2017 17:11:27

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



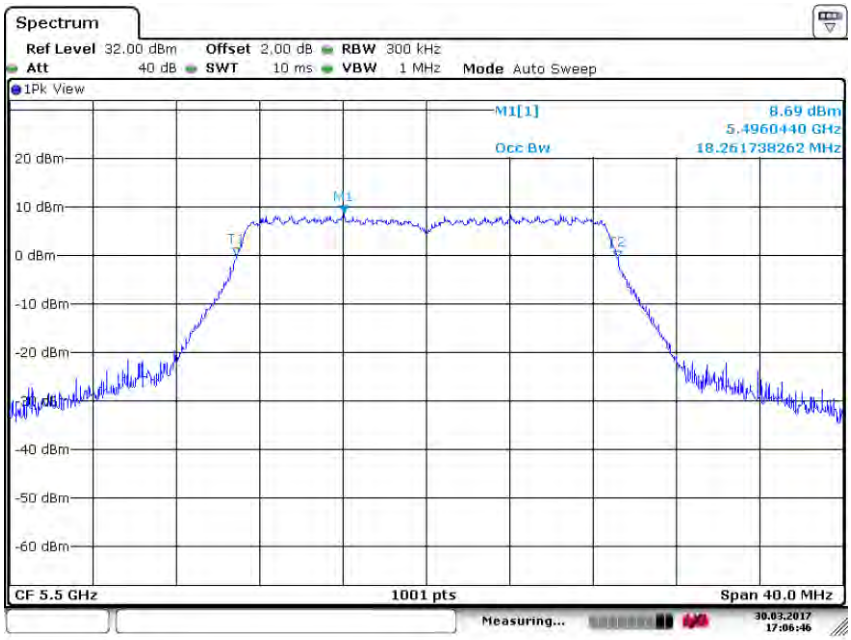
Date: 30.MAR.2017 17:10:01

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



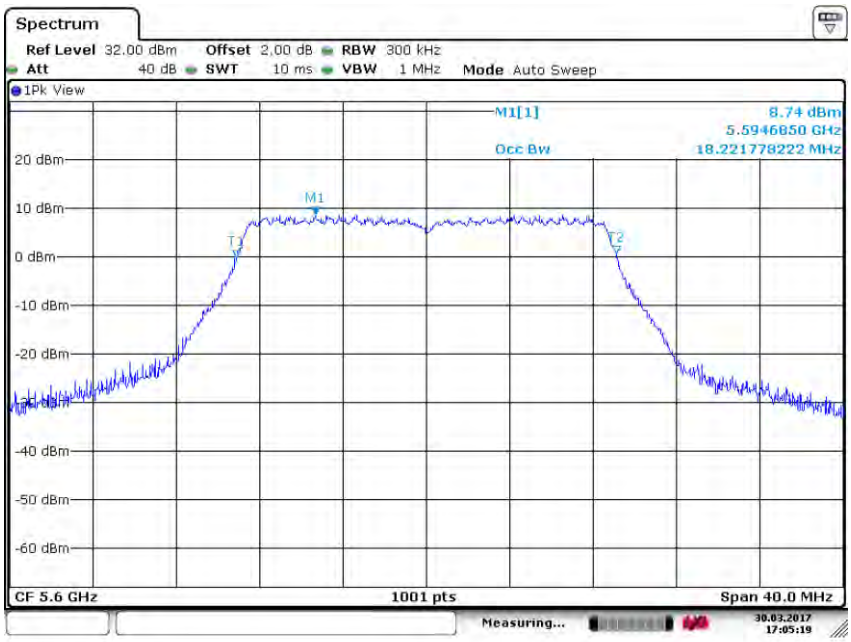
Date: 30.MAR.2017 17:08:07

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



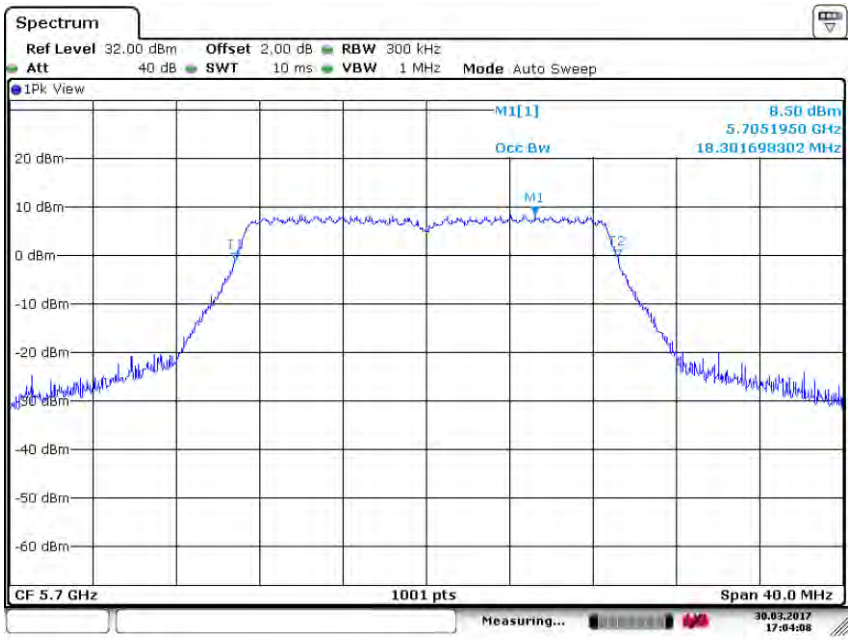
Date: 30.MAR.2017 17:06:46

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



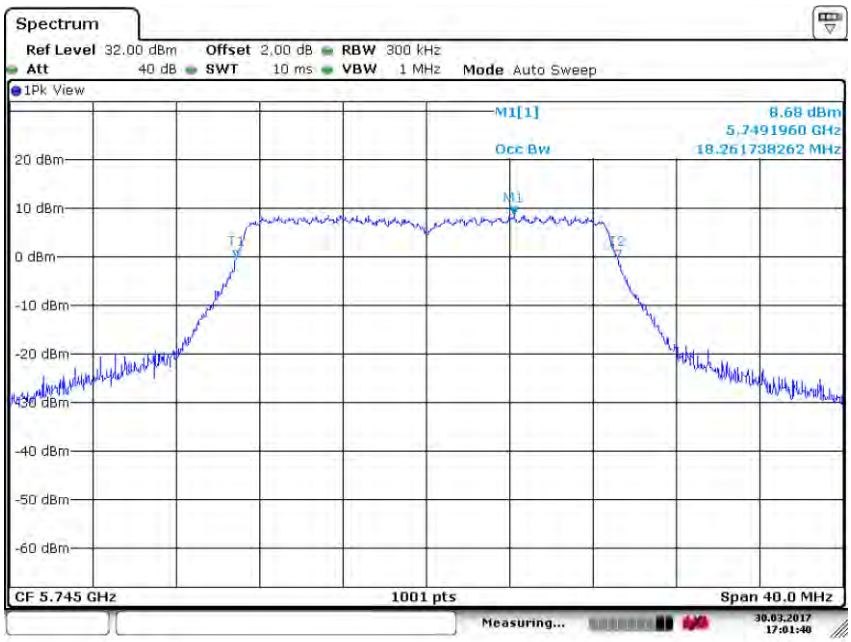
Date: 30.MAR.2017 17:05:19

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



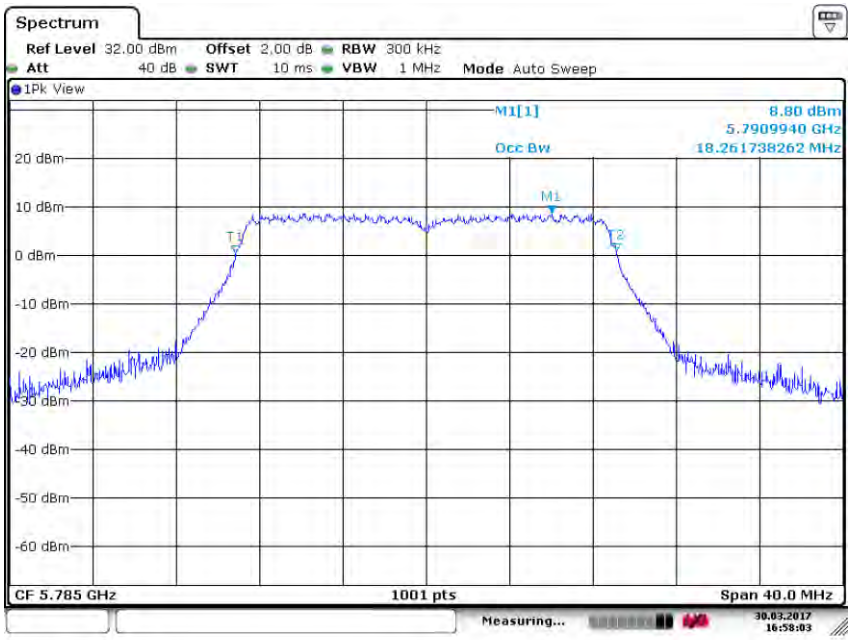
Date: 30.MAR.2017 17:04:08

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



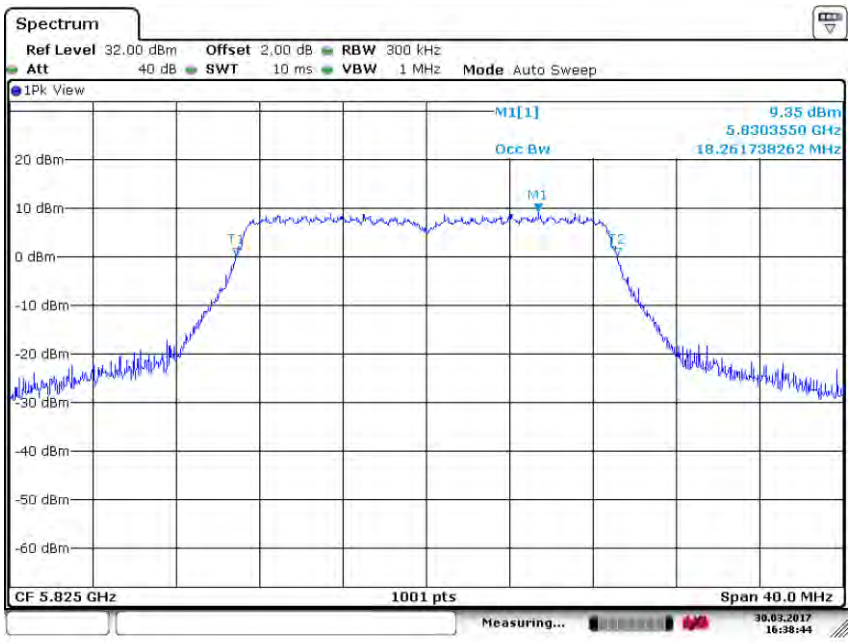
Date: 30.MAR.2017 17:01:40

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



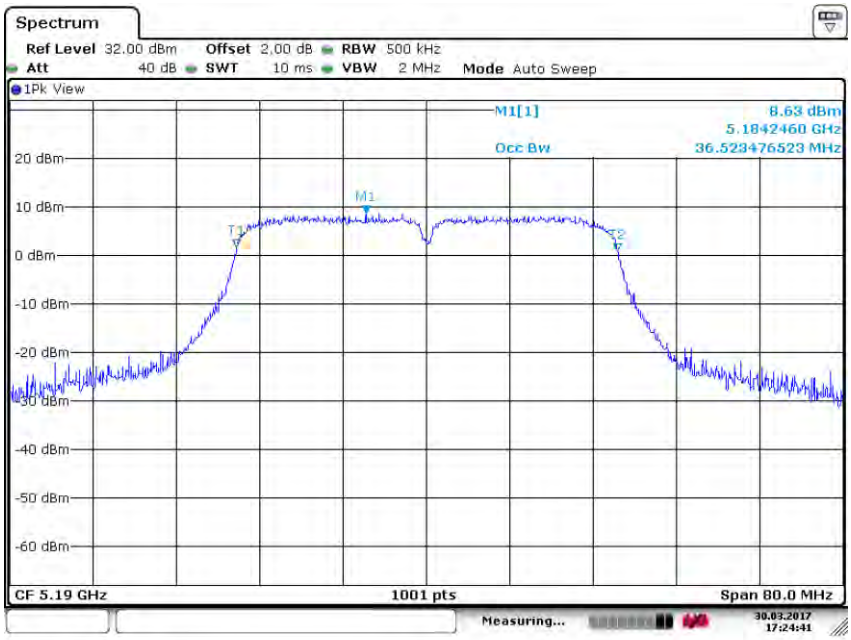
Date: 30.MAR.2017 16:58:03

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



Date: 30.MAR.2017 16:38:44

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

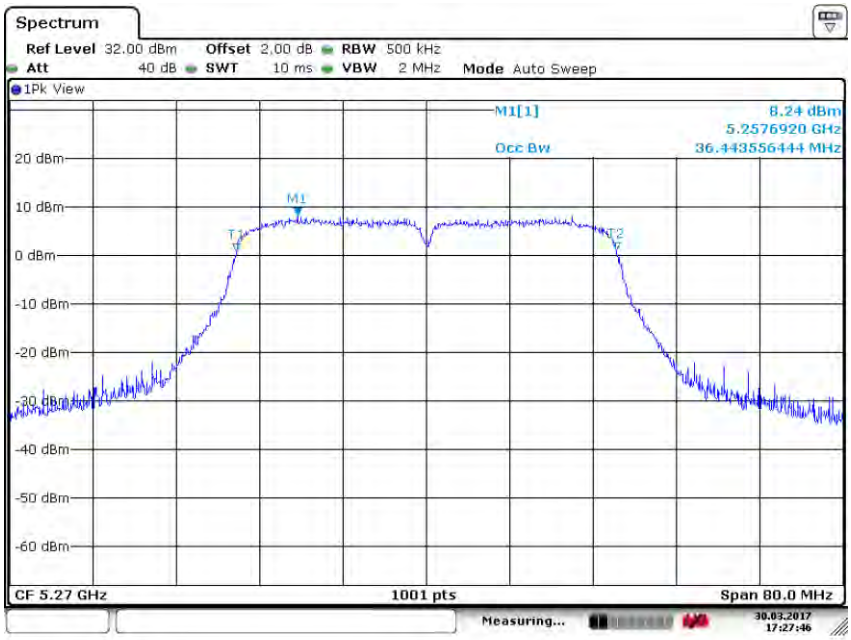


Date: 30.MAR.2017 17:24:41

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

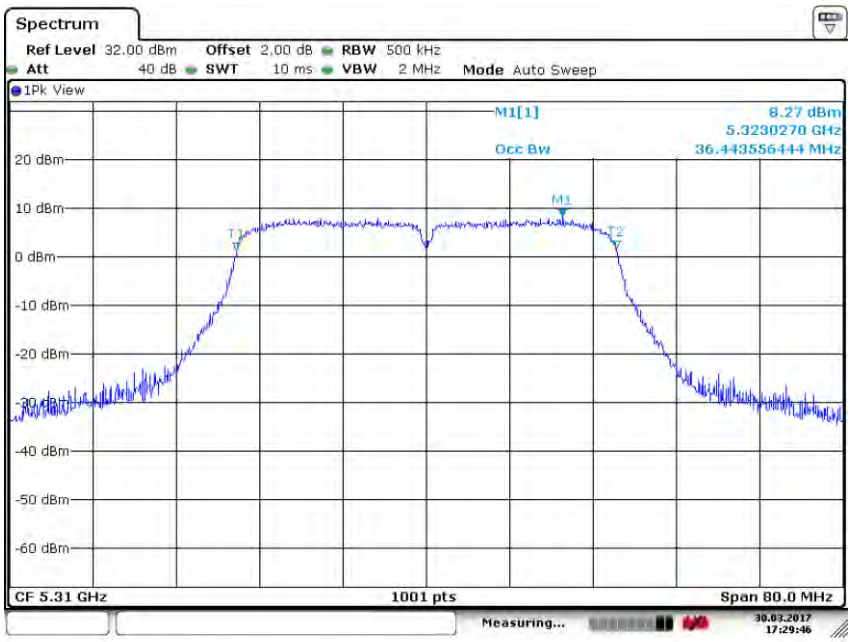
Date: 30.MAR.2017 17:26:37

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



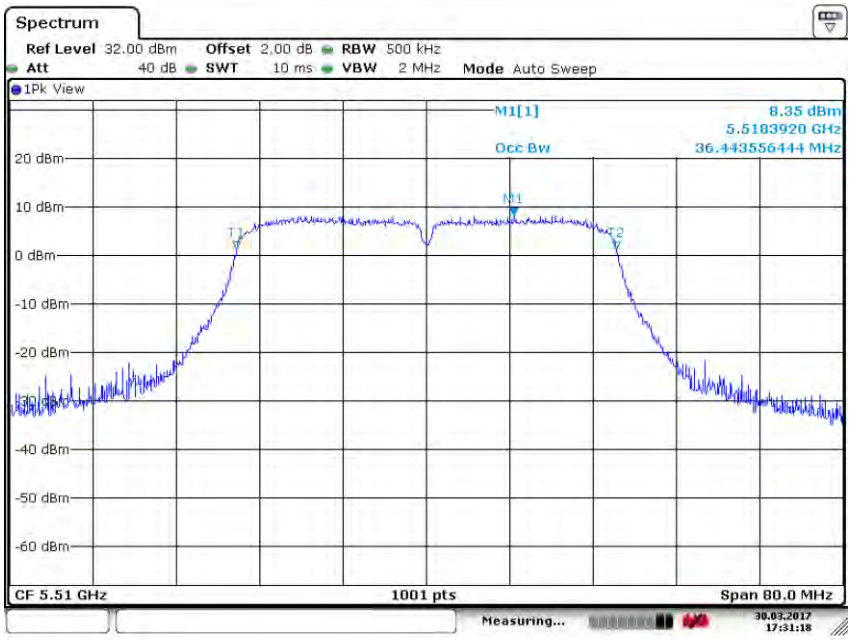
Date: 30.MAR.2017 17:27:47

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



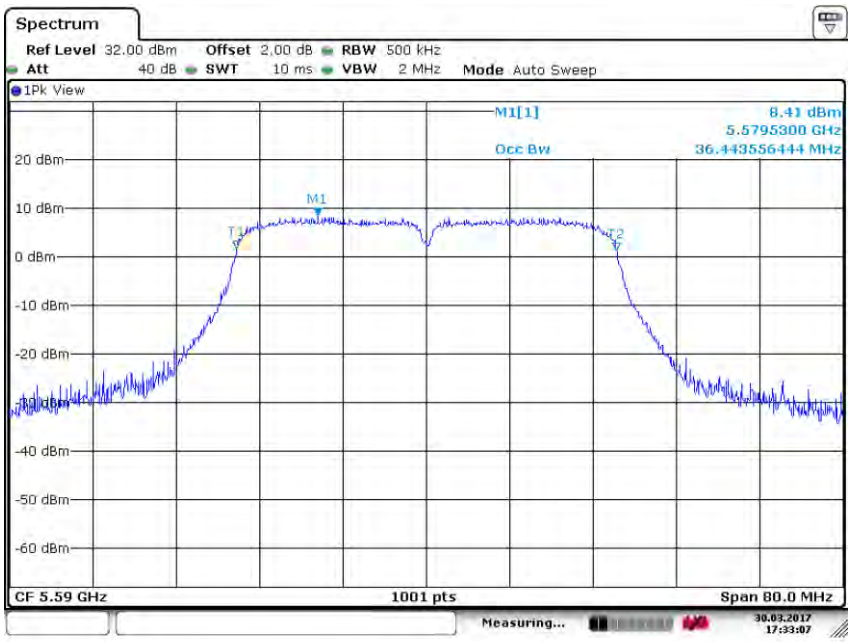
Date: 30.MAR.2017 17:29:46

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



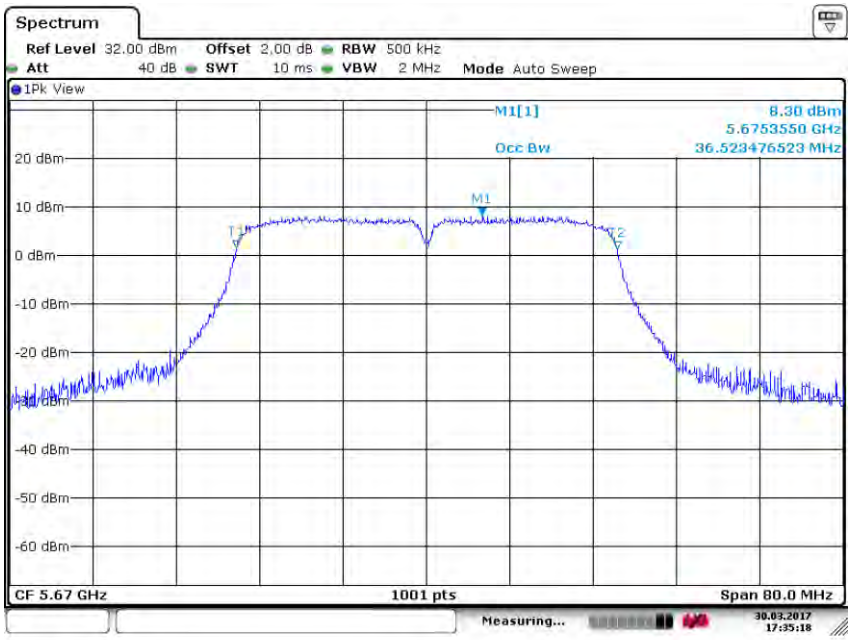
Date: 30.MAR.2017 17:31:18

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



Date: 30.MAR.2017 17:33:07

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



Date: 30.MAR.2017 17:35:19

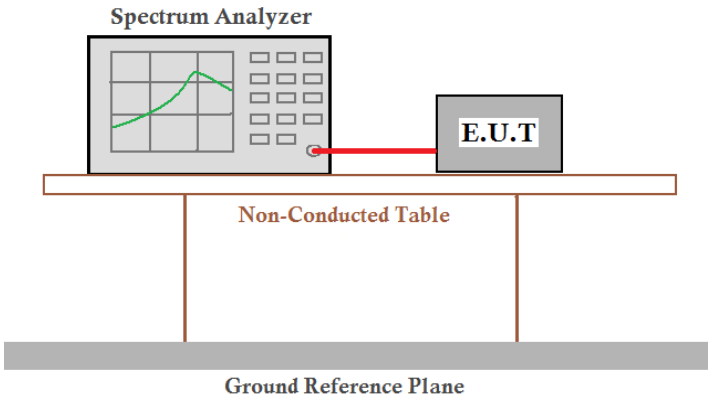
Test mode:	802.11n(HT40)	Frequency(MHz):	5755

Date: 30.MAR.2017 17:37:02

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

Date: 30.MAR.2017 17:38:45

6.5 6dB Occupy Bandwidth

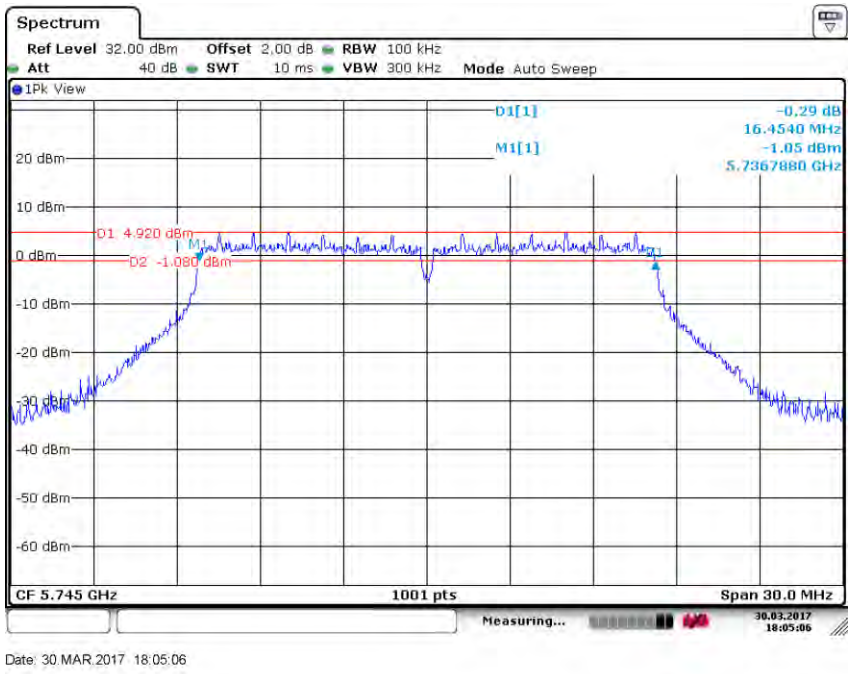
Test Requirement:	47 CFR Part 15 Section 15.407(e)	
Test Method:	ANSI C63.10: 2013	
Test Setup:		
Test Instruments:	Refer to section 5.10 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 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:

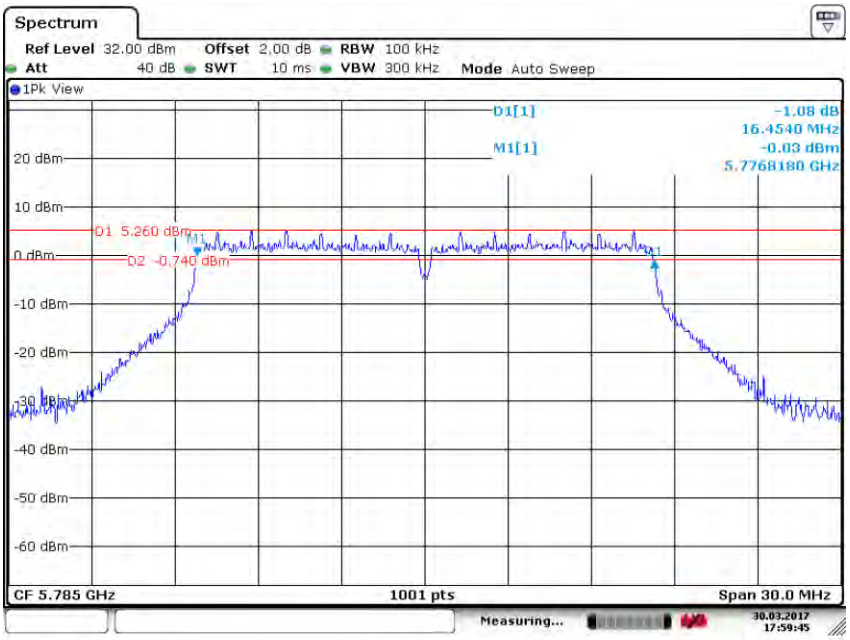
802.11a mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5745	16.45	≥500	Pass
5785	16.45	≥500	Pass
5825	16.45	≥500	Pass
802.11n(HT20) mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5745	17.62	≥500	Pass
5785	17.62	≥500	Pass
5825	17.65	≥500	Pass
802.11 n(HT40) mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5755	35.84	≥500	Pass
5795	35.78	≥500	Pass

Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5745

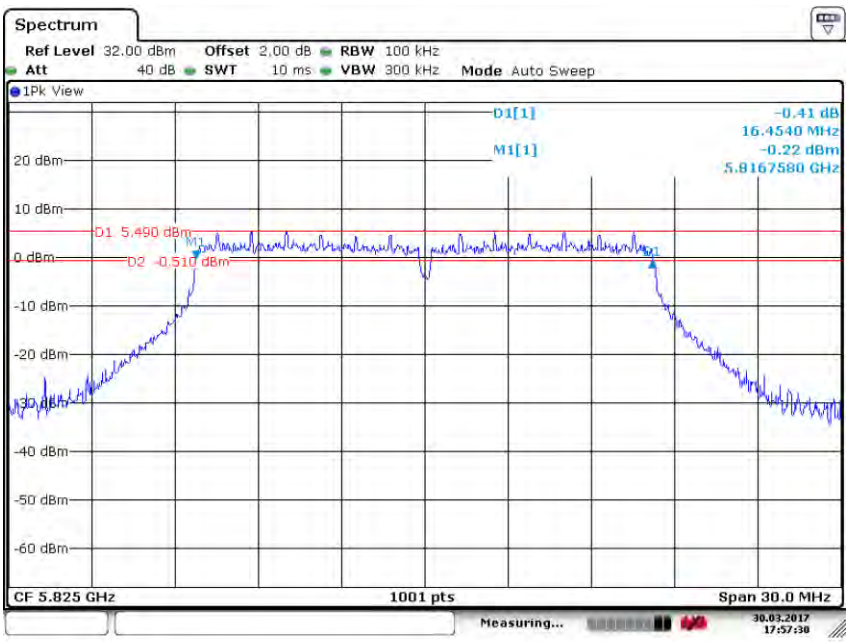


Test mode:	802.11a	Frequency(MHz):	5785



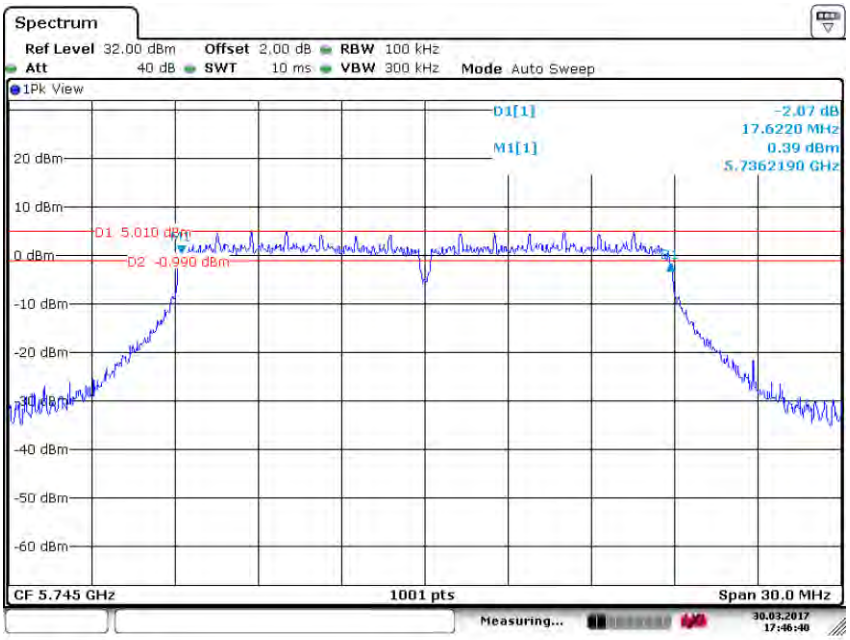
Date: 30.MAR.2017 17:59:45

Test mode:	802.11a	Frequency(MHz):	5825



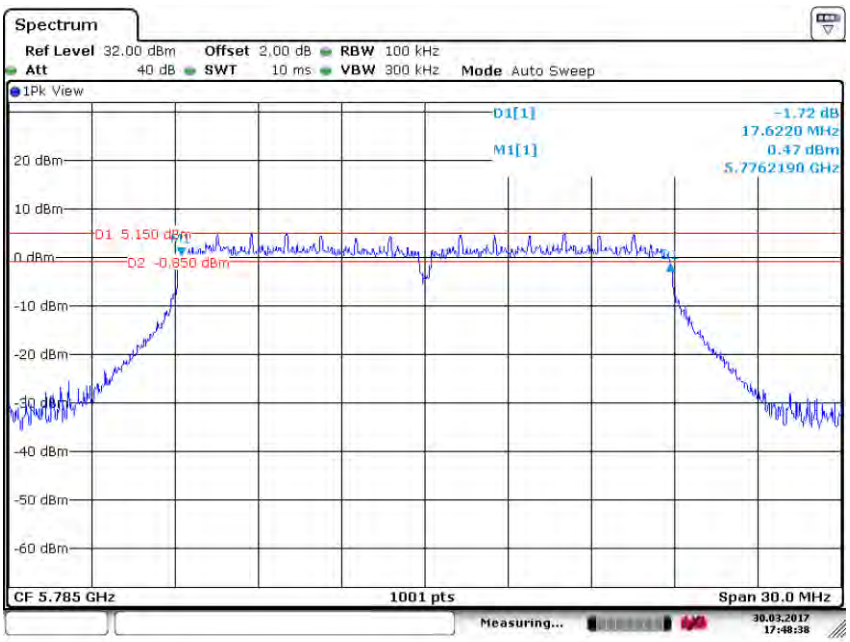
Date: 30.MAR.2017 17:57:31

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



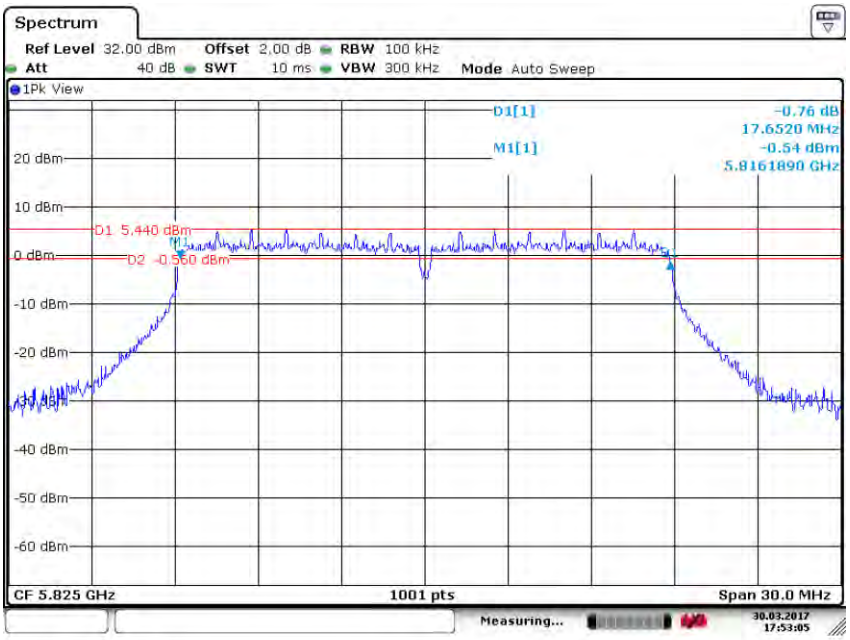
Date: 30.MAR.2017 17:46:41

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



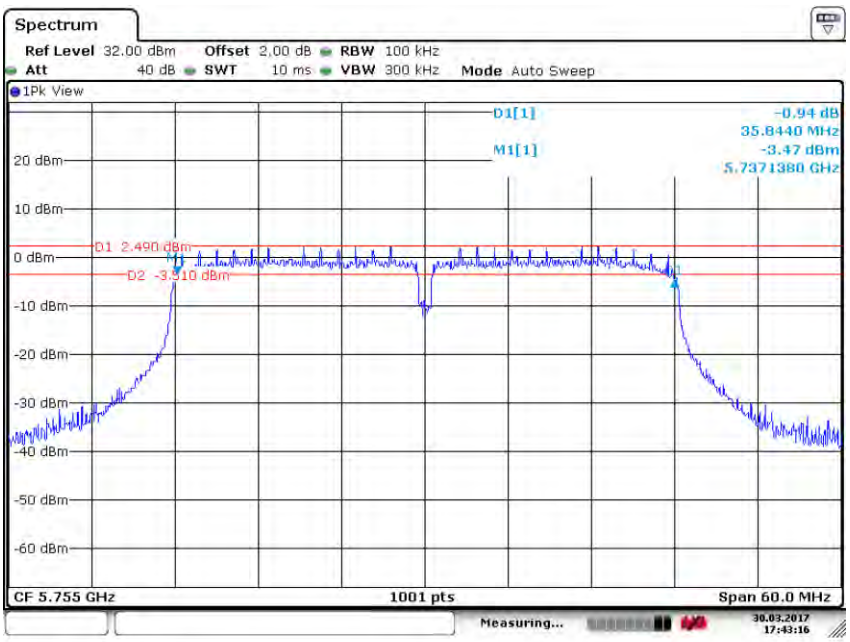
Date: 30.MAR.2017 17:48:37

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



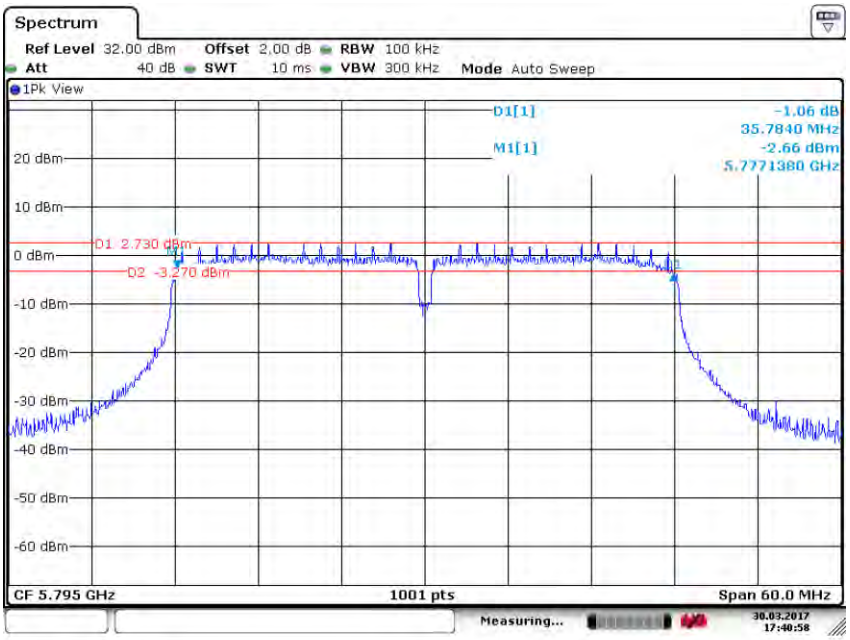
Date: 30.MAR.2017 17:53:06

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



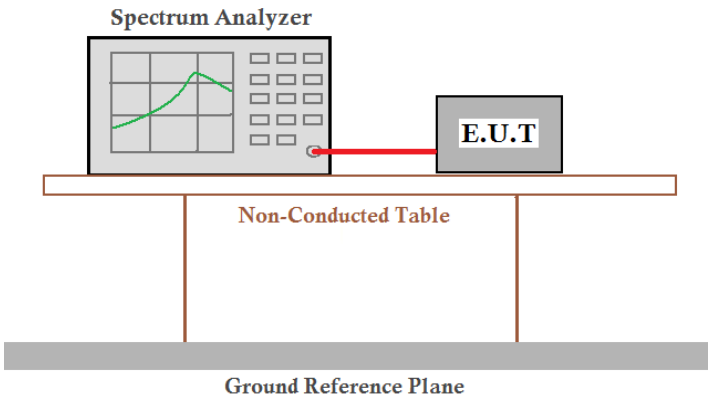
Date: 30.MAR.2017 17:43:17

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



Date: 30.MAR.2017 17:40:59

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; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 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:

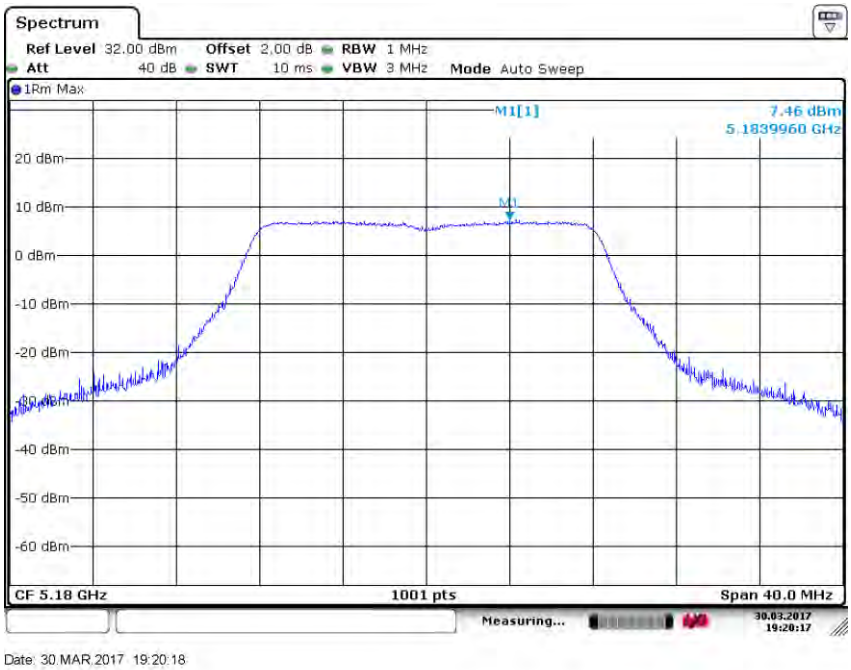
802.11a mode			
Frequency (MHz)	Power Spectral Density	Limit	Result
5180	7.46	≤11dBm/1MHz	Pass
5220	7.11	≤11dBm/1MHz	Pass
5240	6.85	≤11dBm/1MHz	Pass
5260	6.62	≤11dBm/1MHz	Pass
5300	6.78	≤11dBm/1MHz	Pass
5320	6.65	≤11dBm/1MHz	Pass
5500	7.30	≤11dBm/1MHz	Pass
5600	7.27	≤11dBm/1MHz	Pass
5700	7.05	≤11dBm/1MHz	Pass
5745	5.53	≤30dBm/500kHz	Pass
5785	5.51	≤30dBm/500kHz	Pass
5825	5.75	≤30dBm/500kHz	Pass

802.11n(HT20) mode			
Frequency (MHz)	Power Spectral Density	Limit	Result
5180	6.90	≤11dBm/1MHz	Pass
5220	6.57	≤11dBm/1MHz	Pass
5240	6.36	≤11dBm/1MHz	Pass
5260	6.50	≤11dBm/1MHz	Pass
5300	6.50	≤11dBm/1MHz	Pass
5320	6.40	≤11dBm/1MHz	Pass
5500	6.86	≤11dBm/1MHz	Pass
5600	6.96	≤11dBm/1MHz	Pass
5700	6.69	≤11dBm/1MHz	Pass
5745	5.43	≤30dBm/500kHz	Pass
5785	5.35	≤30dBm/500kHz	Pass
5825	5.64	≤30dBm/500kHz	Pass

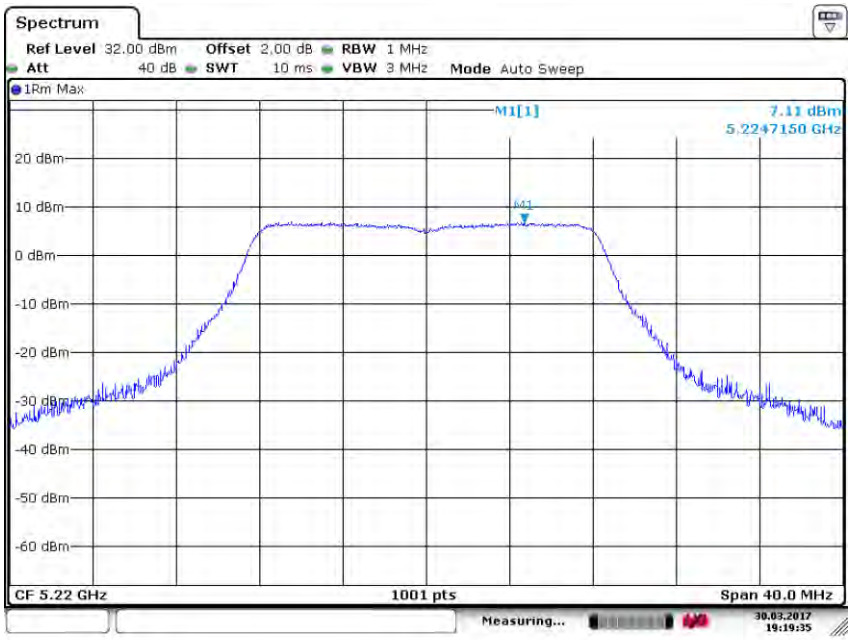
802.11n(HT40) mode			
Frequency (MHz)	Power Spectral Density	Limit	Result
5190	4.37	≤11dBm/1MHz	Pass
5230	3.83	≤11dBm/1MHz	Pass
5270	3.81	≤11dBm/1MHz	Pass
5310	3.78	≤11dBm/1MHz	Pass
5510	3.98	≤11dBm/1MHz	Pass
5590	4.36	≤11dBm/1MHz	Pass
5670	4.35	≤11dBm/1MHz	Pass
5755	2.70	≤30dBm/500kHz	Pass
5795	3.08	≤30dBm/500kHz	Pass

Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180

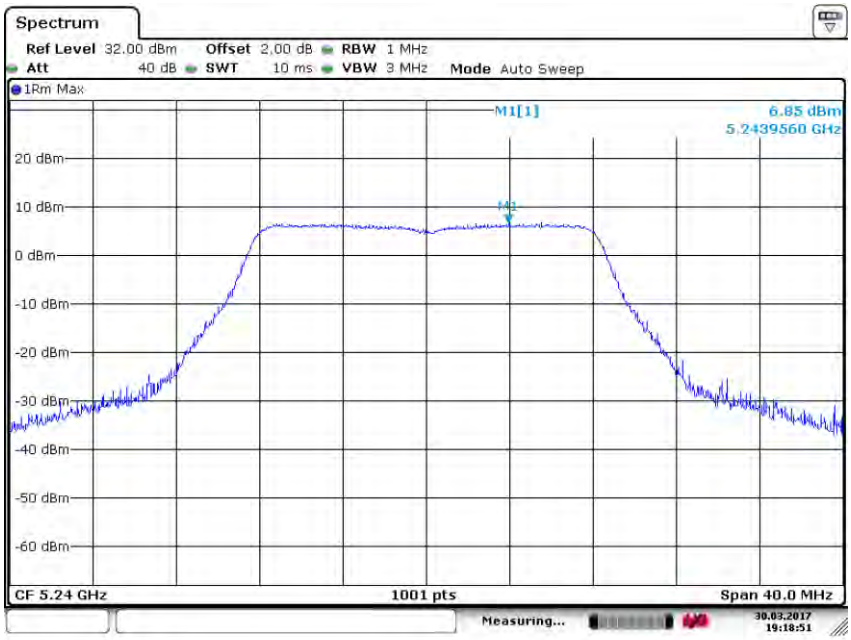


Test mode:	802.11a	Frequency(MHz):	5220



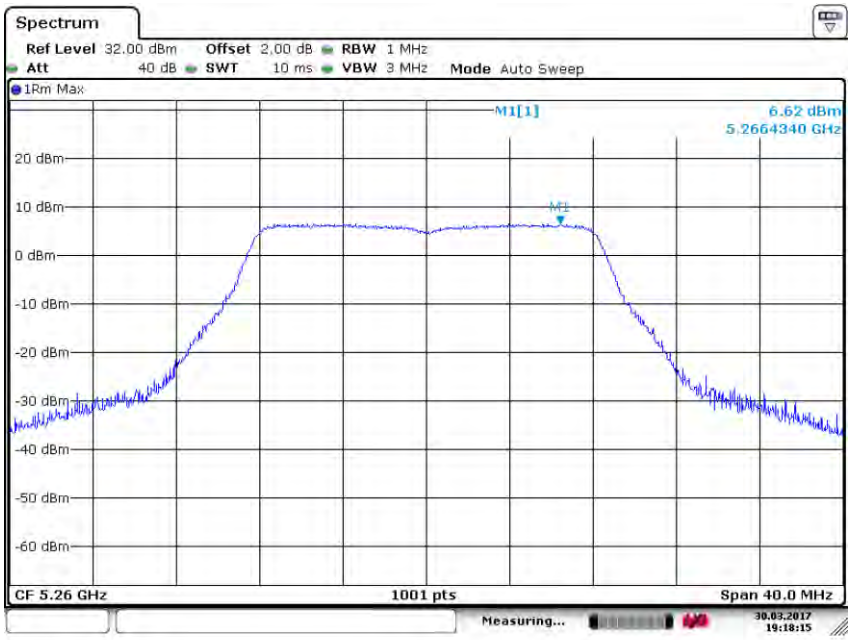
Date: 30.MAR.2017 19:19:35

Test mode:	802.11a	Frequency(MHz):	5240



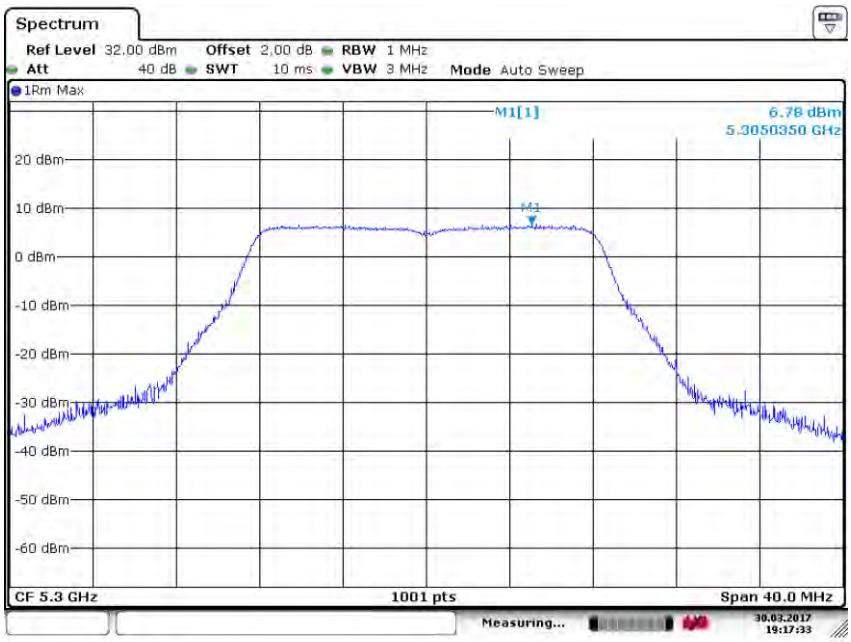
Date: 30.MAR.2017 19:18:52

Test mode:	802.11a	Frequency(MHz):	5260



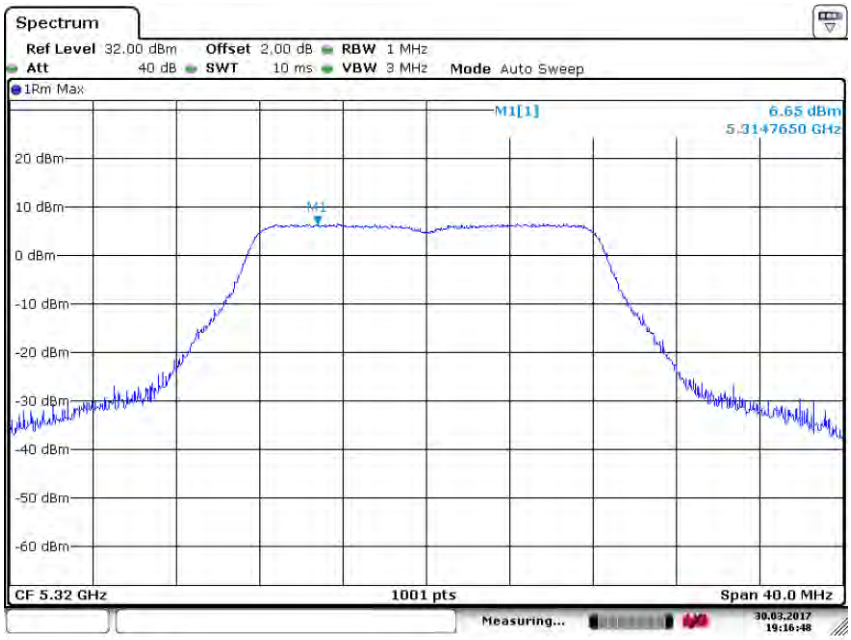
Date: 30.MAR.2017 19:18:15

Test mode:	802.11a	Frequency(MHz):	5300



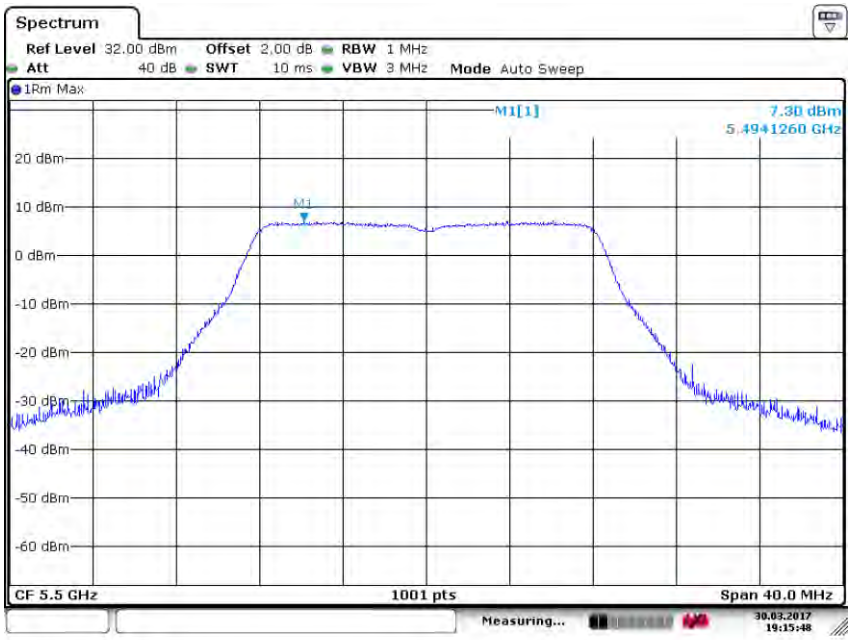
Date: 30.MAR.2017 19:17:34

Test mode:	802.11a	Frequency(MHz):	5320



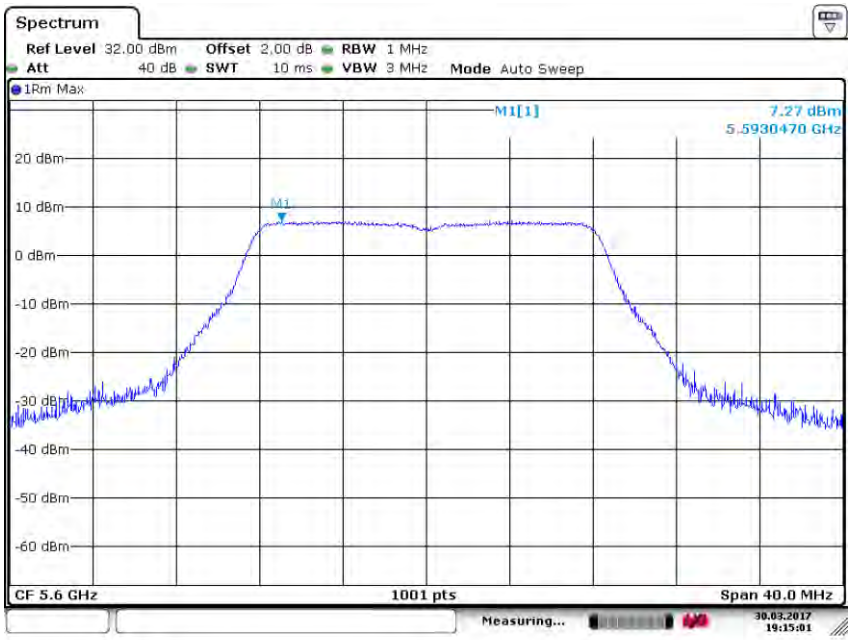
Date: 30.MAR.2017 19:16:48

Test mode:	802.11a	Frequency(MHz):	5500



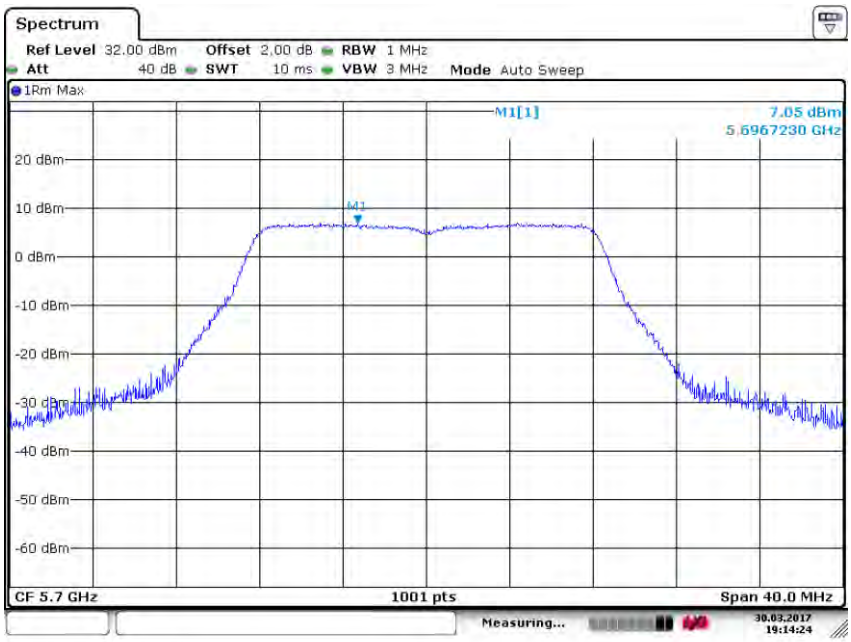
Date: 30.MAR.2017 19:15:48

Test mode:	802.11a	Frequency(MHz):	5600



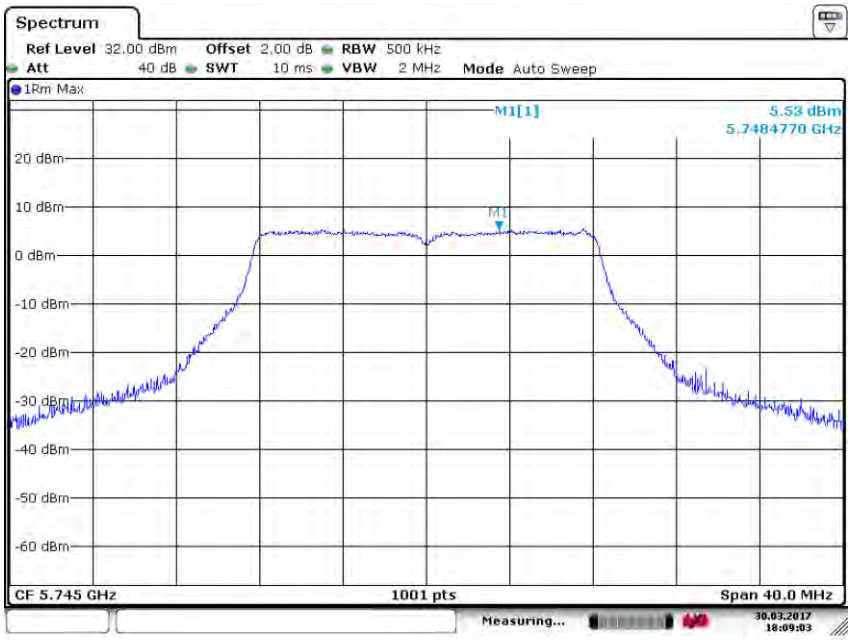
Date: 30.MAR.2017 19:15:01

Test mode:	802.11a	Frequency(MHz):	5700



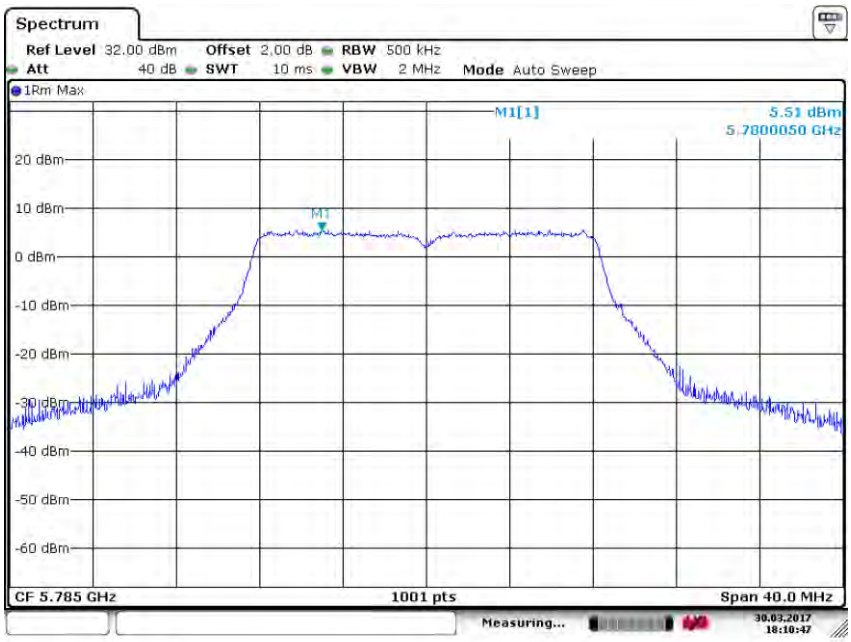
Date: 30.MAR.2017 19:14:24

Test mode:	802.11a	Frequency(MHz):	5745



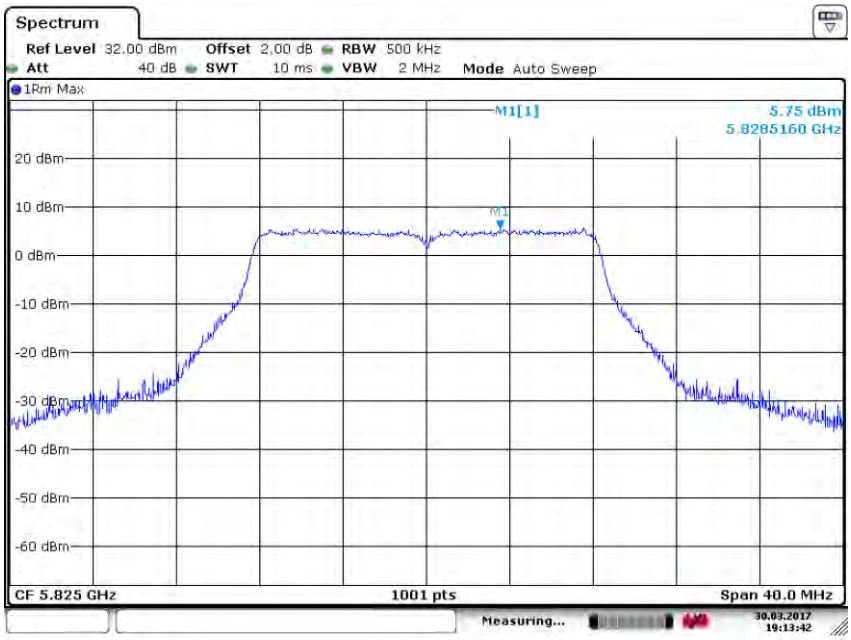
Date: 30.MAR.2017 18:09:04

Test mode:	802.11a	Frequency(MHz):	5785



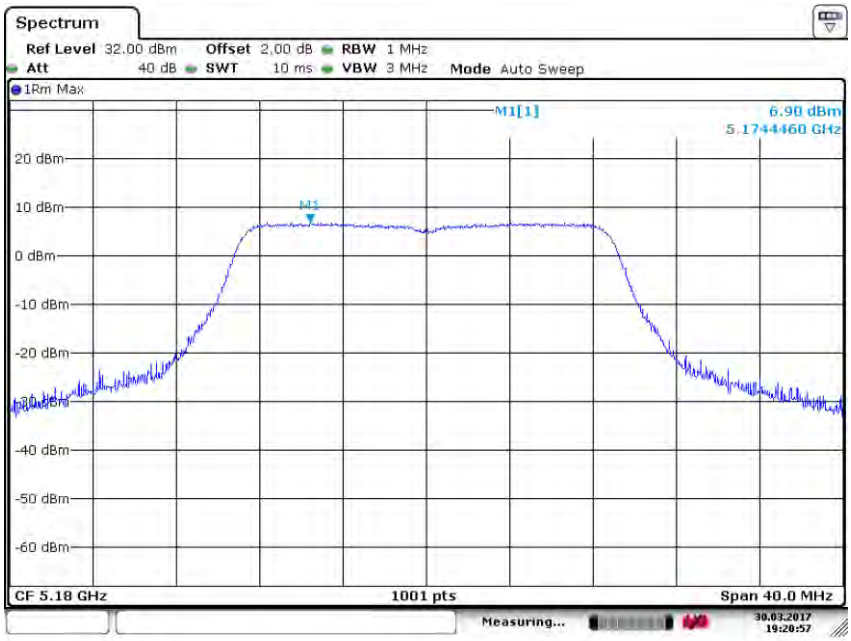
Date: 30.MAR.2017 18:10:47

Test mode:	802.11a	Frequency(MHz):	5825



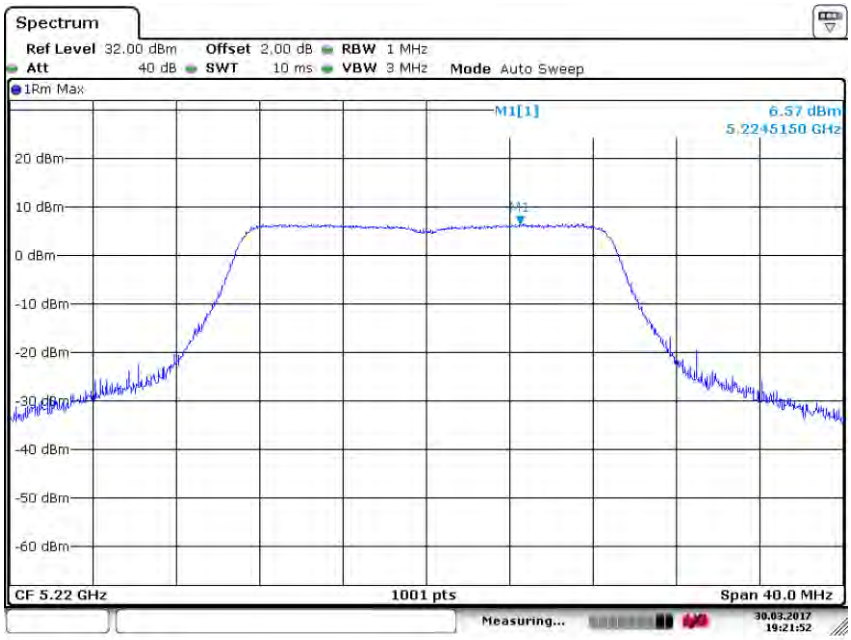
Date: 30.MAR.2017 19:13:42

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



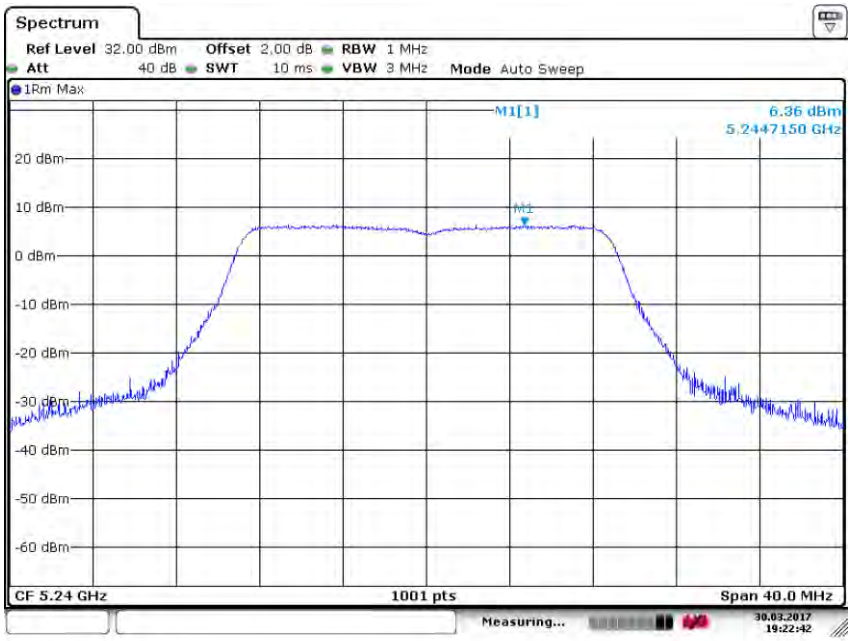
Date: 30.MAR.2017 19:20:58

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



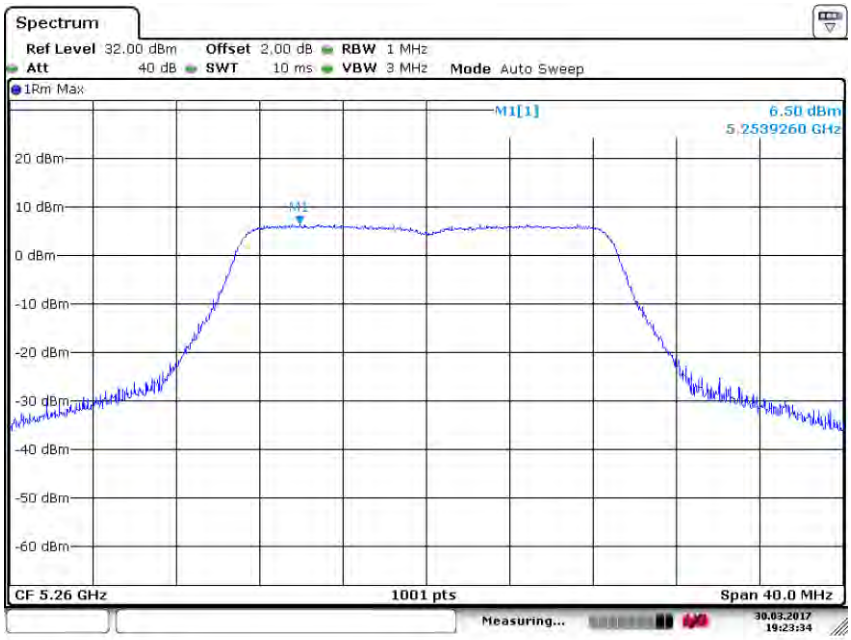
Date: 30.MAR.2017 19:21:53

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



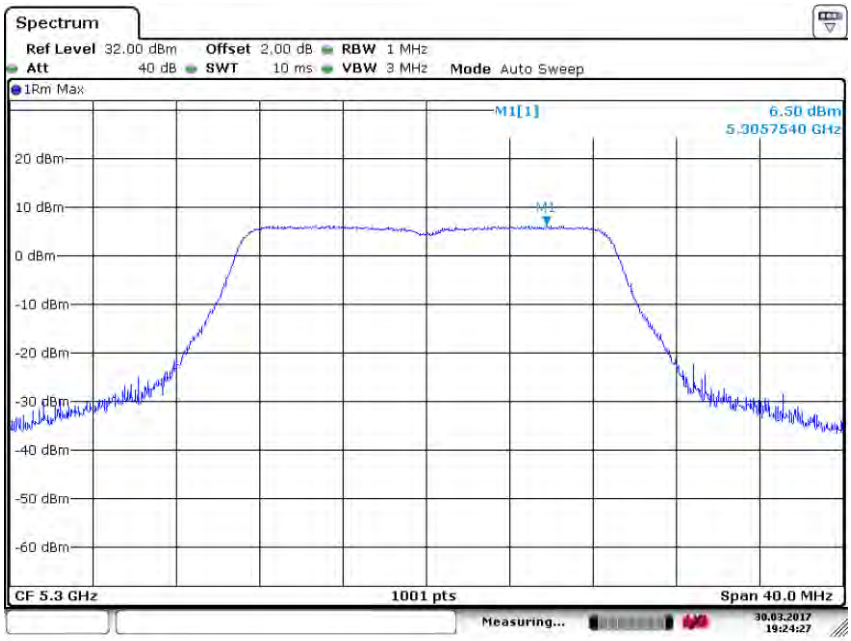
Date: 30.MAR.2017 19:22:42

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



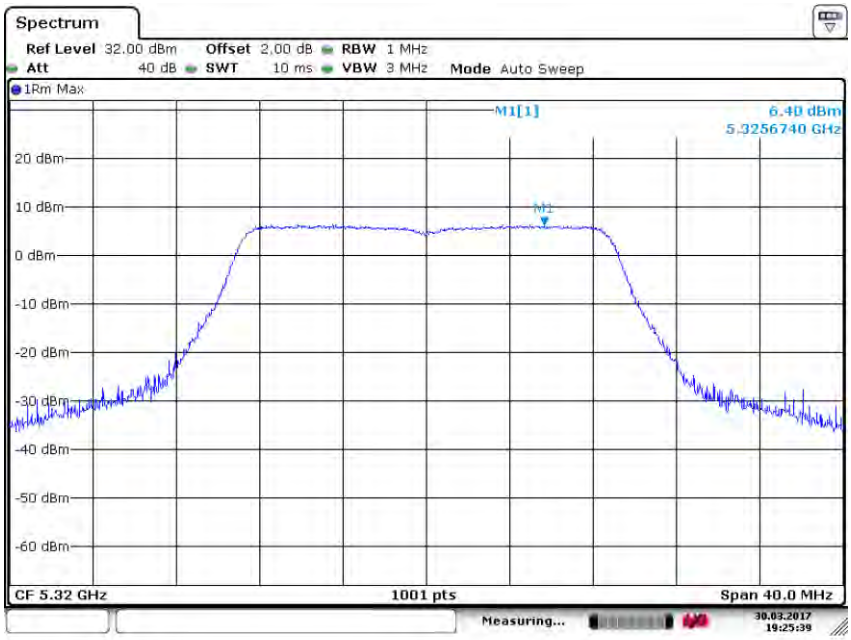
Date: 30.MAR.2017 19:23:35

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



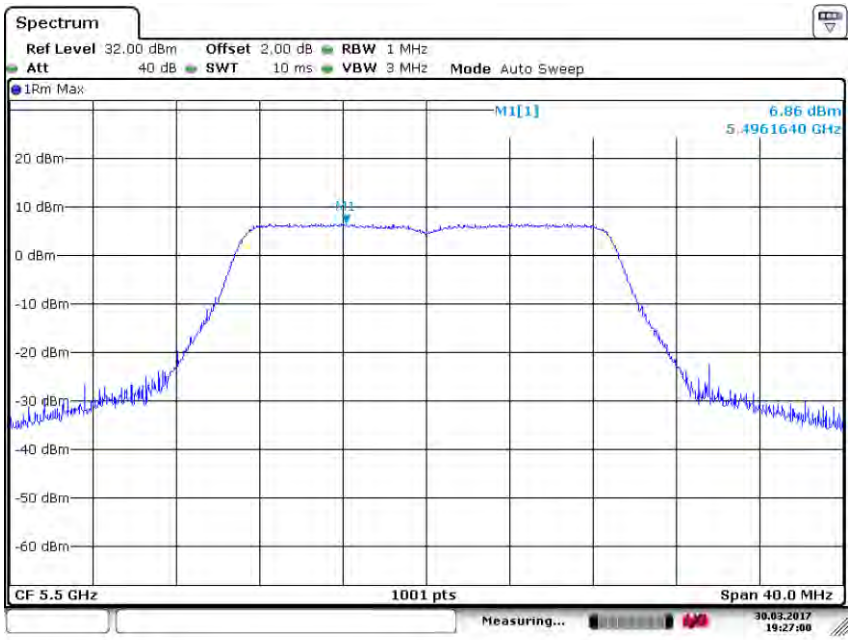
Date: 30.MAR.2017 19:24:27

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



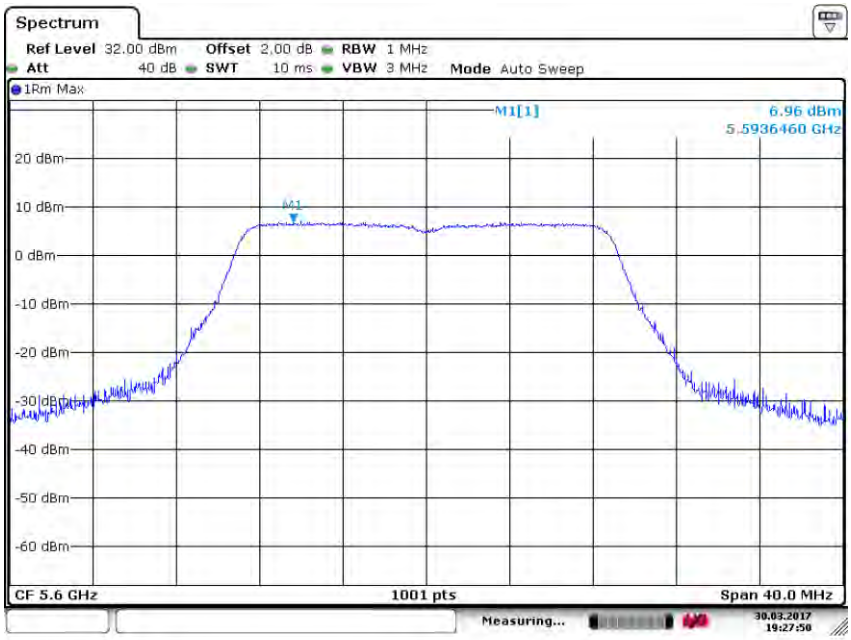
Date: 30.MAR.2017 19:25:39

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



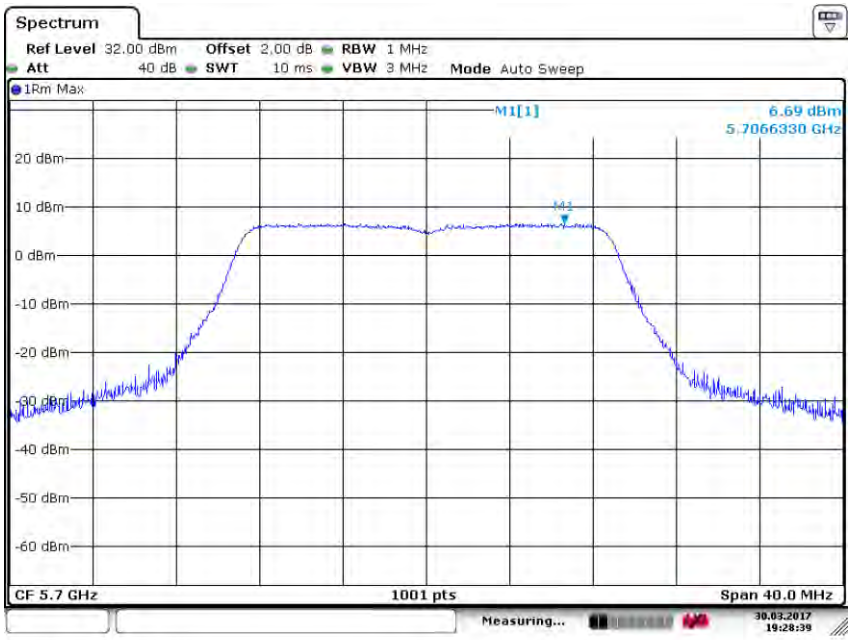
Date: 30.MAR.2017 19:27:01

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



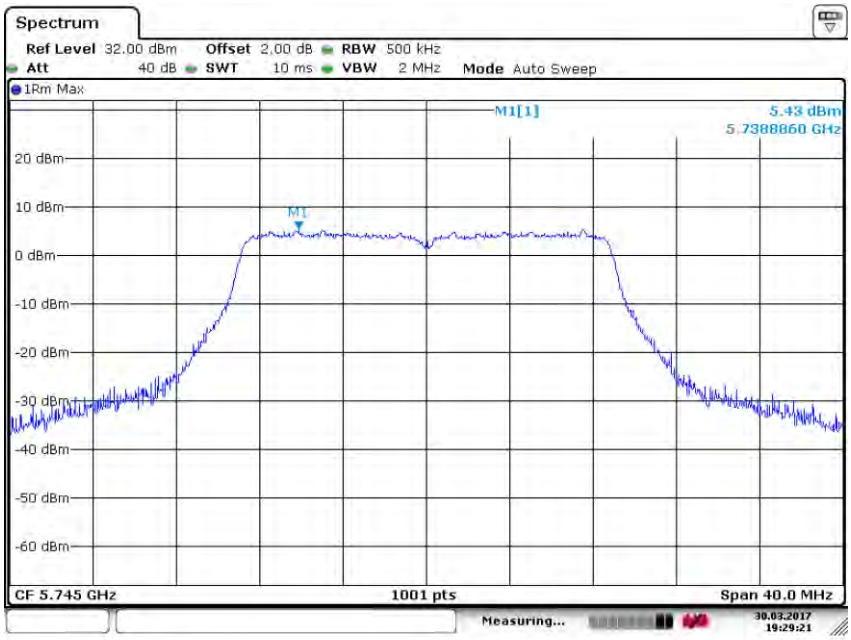
Date: 30.MAR.2017 19:27:51

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



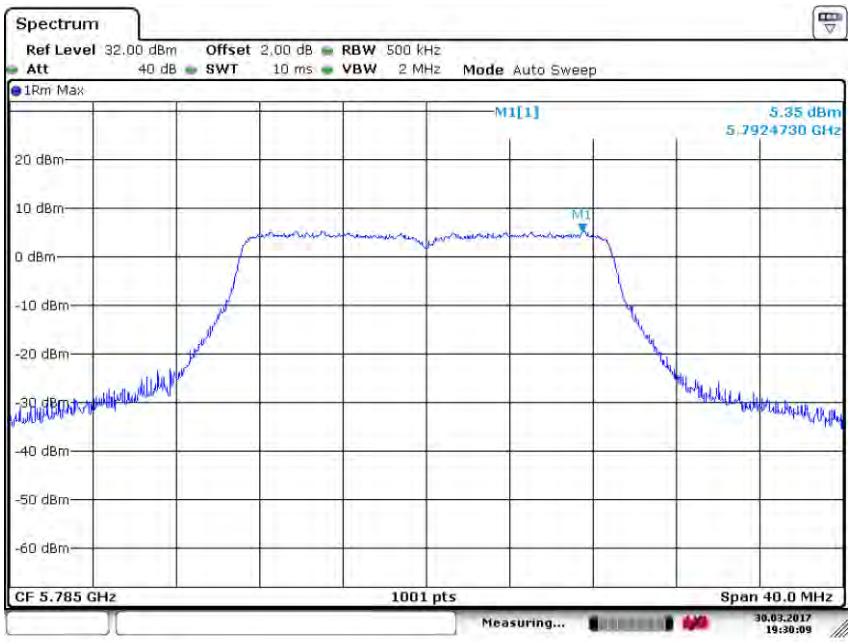
Date: 30.MAR.2017 19:28:39

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



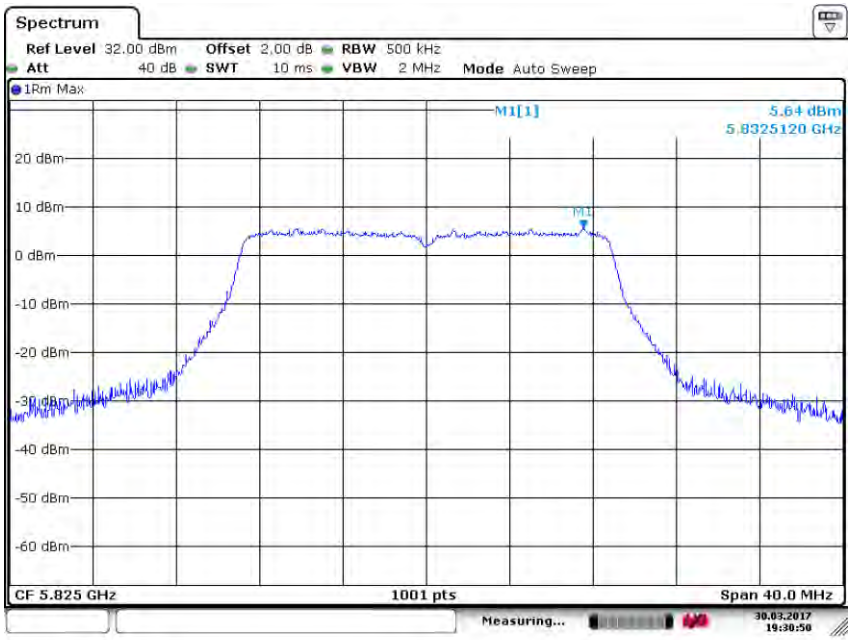
Date: 30.MAR.2017 19:29:21

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



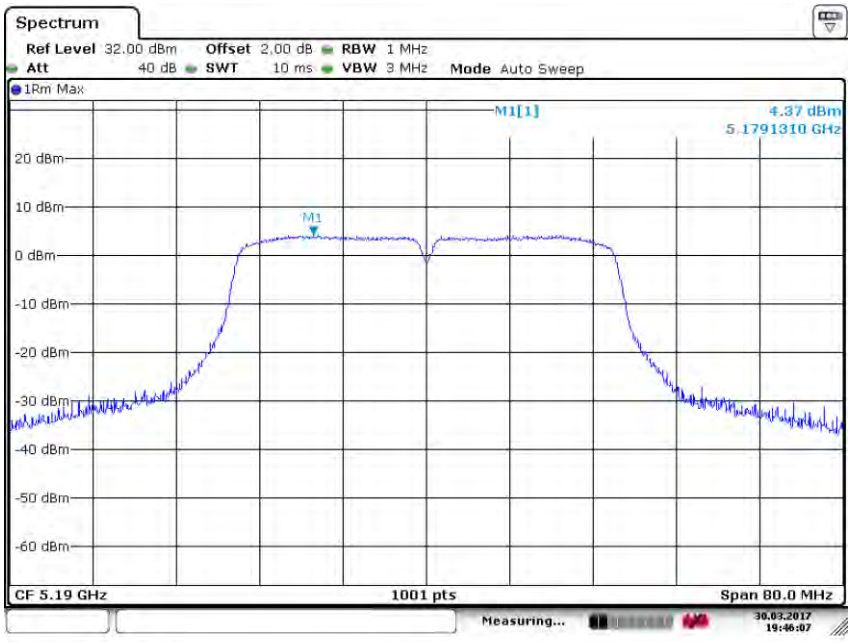
Date: 30.MAR.2017 19:30:09

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



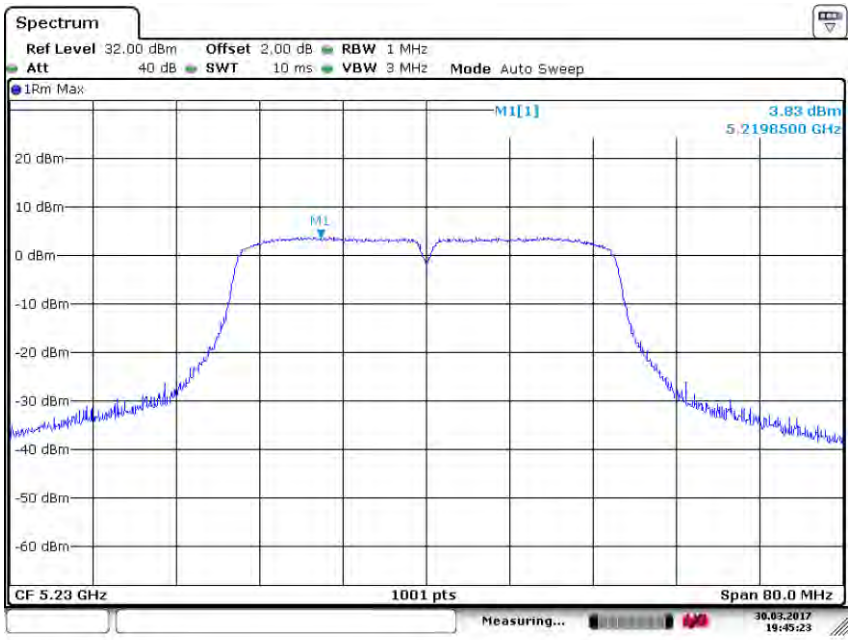
Date: 30.MAR.2017 19:30:50

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



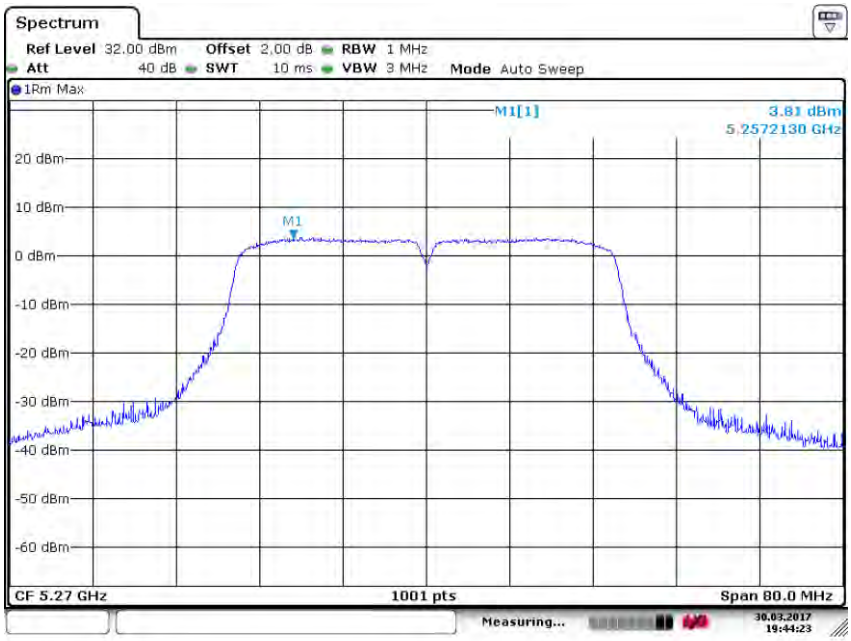
Date: 30.MAR.2017 19:46:08

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



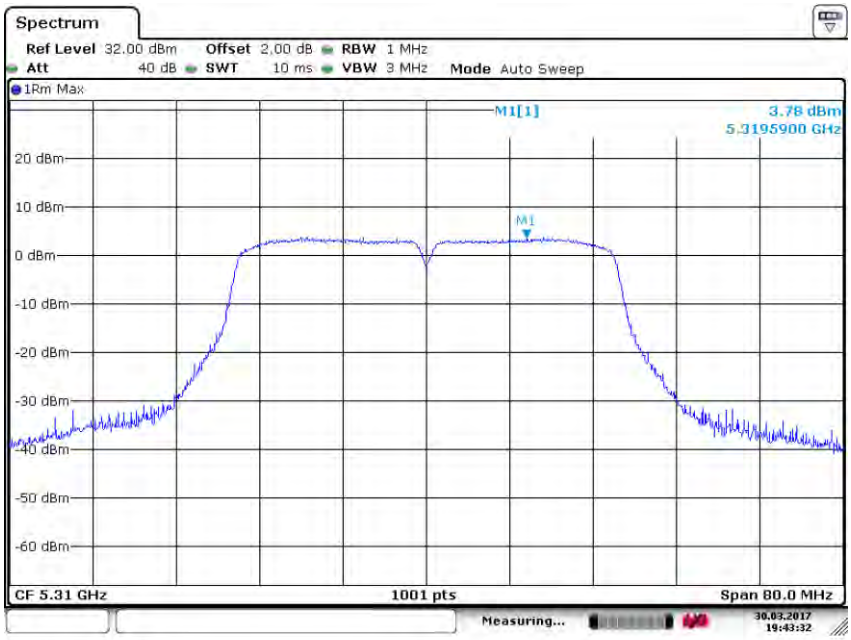
Date: 30.MAR.2017 19:45:24

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



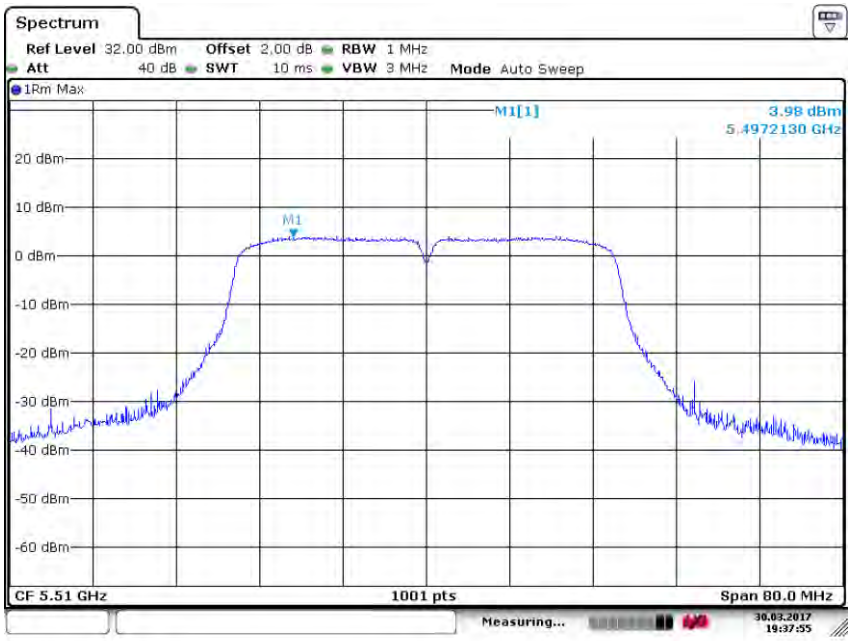
Date: 30.MAR.2017 19:44:24

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



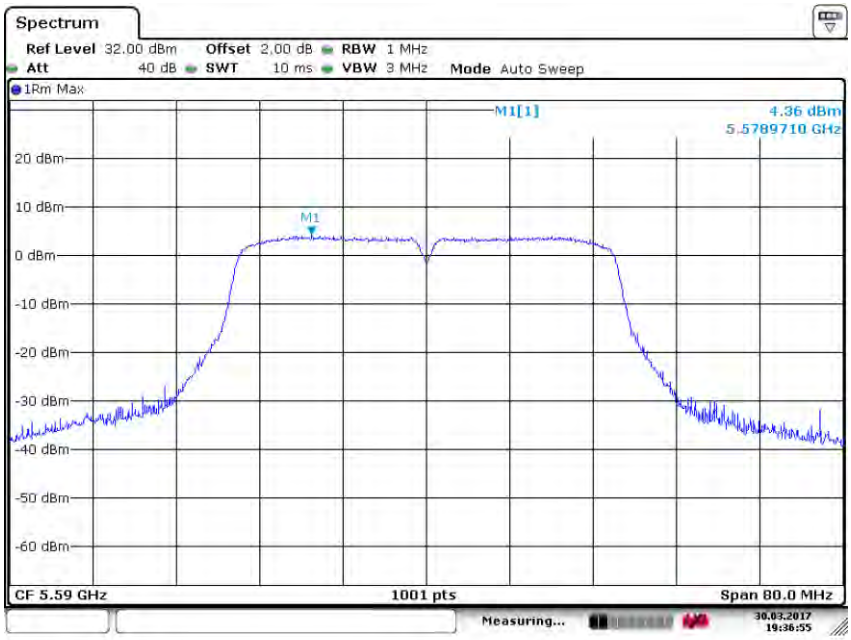
Date: 30.MAR.2017 19:43:32

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



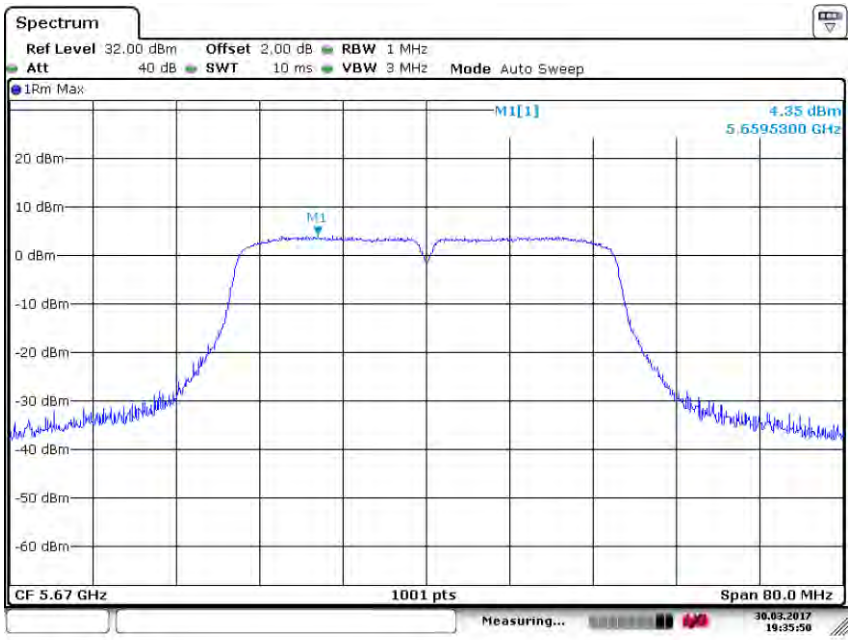
Date: 30.MAR.2017 19:37:56

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



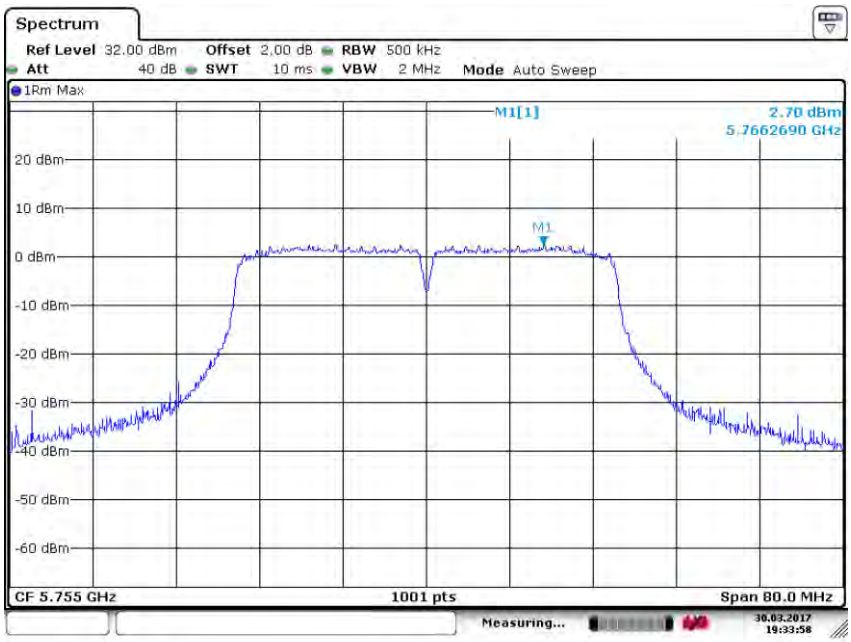
Date: 30.MAR.2017 19:36:55

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



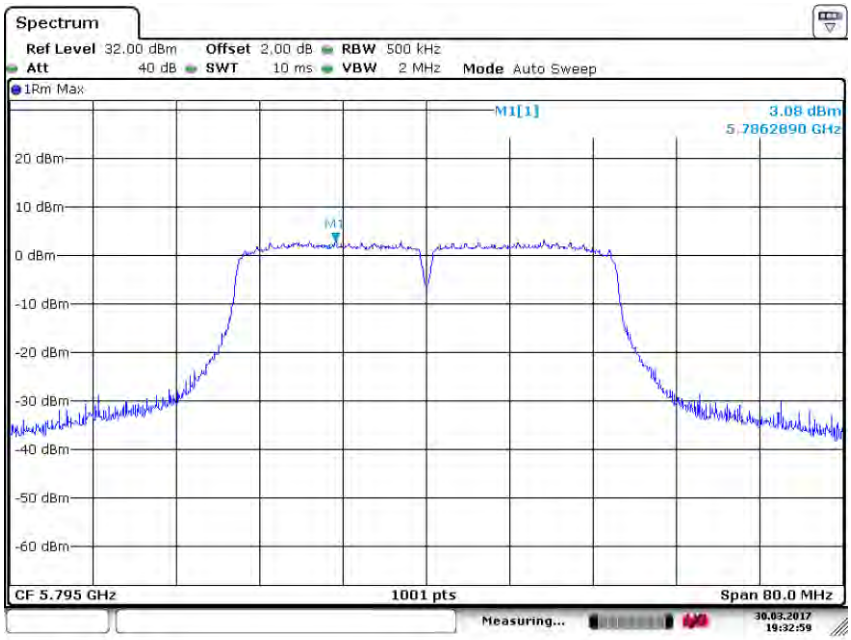
Date: 30.MAR.2017 19:35:51

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



Date: 30.MAR.2017 19:33:58

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



Date: 30.MAR.2017 19:32:59

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 or 10m (Semi-Anechoic Chamber)
Test Setup:	

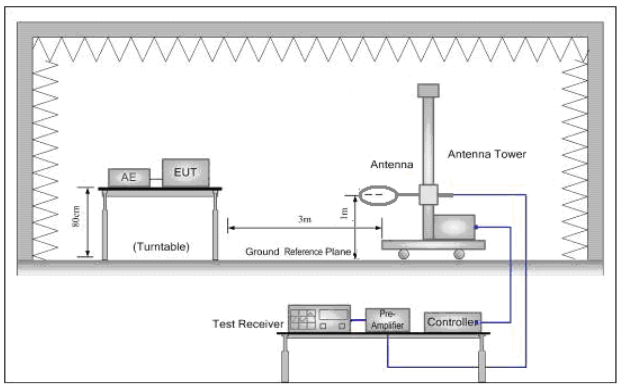


Figure 1. 30MHz to 1GHz

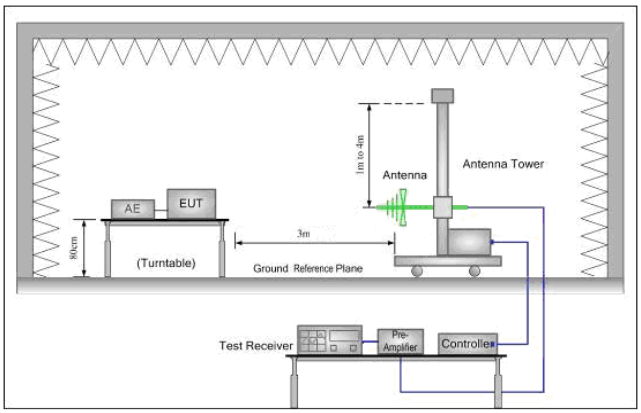


Figure 2. Above 1 GHz

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 camber. 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 semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters 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

The test was performed at a 10m test site. According to below formulate and the test data at 10m test distance,

$L_3 / L_{10} = D_{10} / D_3$

Note:

L_3: Level @ 3m distance. Unit: uV/m;

L_{10}: Level @ 10m distance. Unit: uV/m;

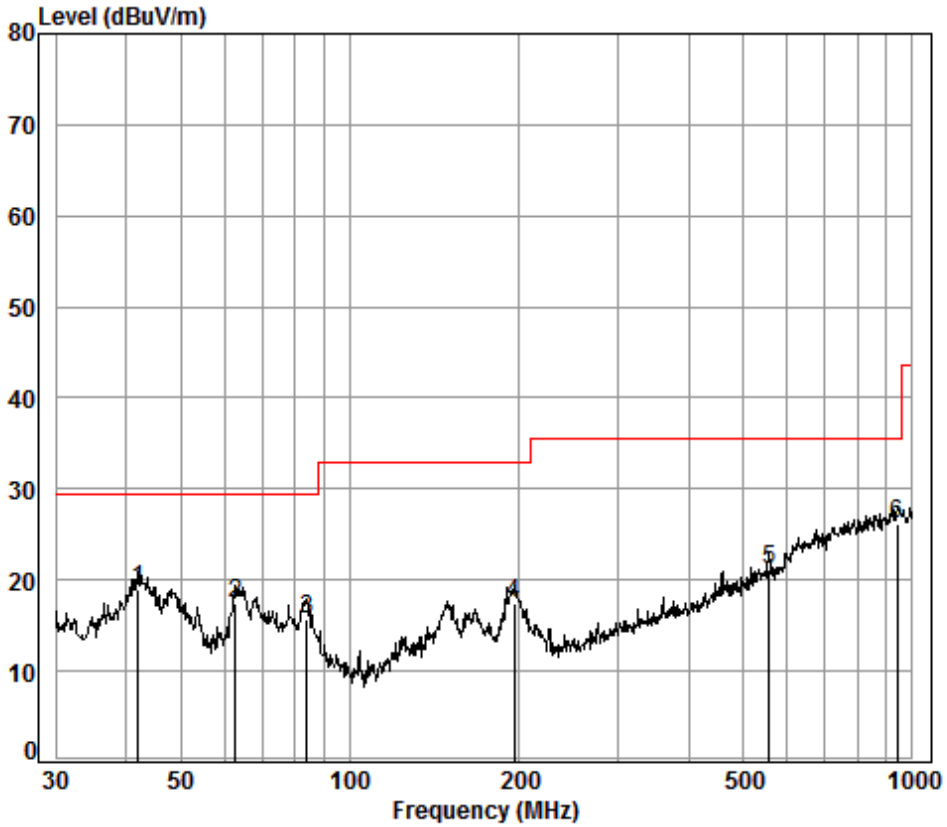
D_3: 3m distance. Unit: m

D_{10}: 10m distance. Unit: m

The level at 3m test distance is below:

Frequency (MHz)	Level @ 10m (dBuV/m)	Level @ 10m (uV/m)	Level @ 3m (uV/m)	Level @ 3m (dBuV/m)	Limit @ 3m (dBuV/m)	Over Limit (dB)	Ant. Polarization
42.01	18.96	8.87	29.57	29.42	40.00	-10.58	V
62.65	17.45	7.46	24.85	27.91	40.00	-12.09	V
83.82	15.79	6.16	20.53	26.25	40.00	-13.75	V
195.82	17.44	7.45	24.82	27.90	43.50	-15.60	V
556.77	21.09	11.34	37.79	31.55	46.00	-14.45	V
938.83	26.22	20.46	68.21	36.68	46.00	-9.32	V
46.34	15.29	5.81	19.38	25.75	40.00	-14.25	H
58.61	14.60	5.37	17.90	25.06	40.00	-14.94	H
83.23	13.12	4.53	15.10	23.58	40.00	-16.42	H
163.18	17.41	7.42	24.74	27.87	43.50	-15.63	H
423.54	19.43	9.36	31.22	29.89	46.00	-16.11	H
724.26	24.81	17.40	57.99	35.27	46.00	-10.73	H

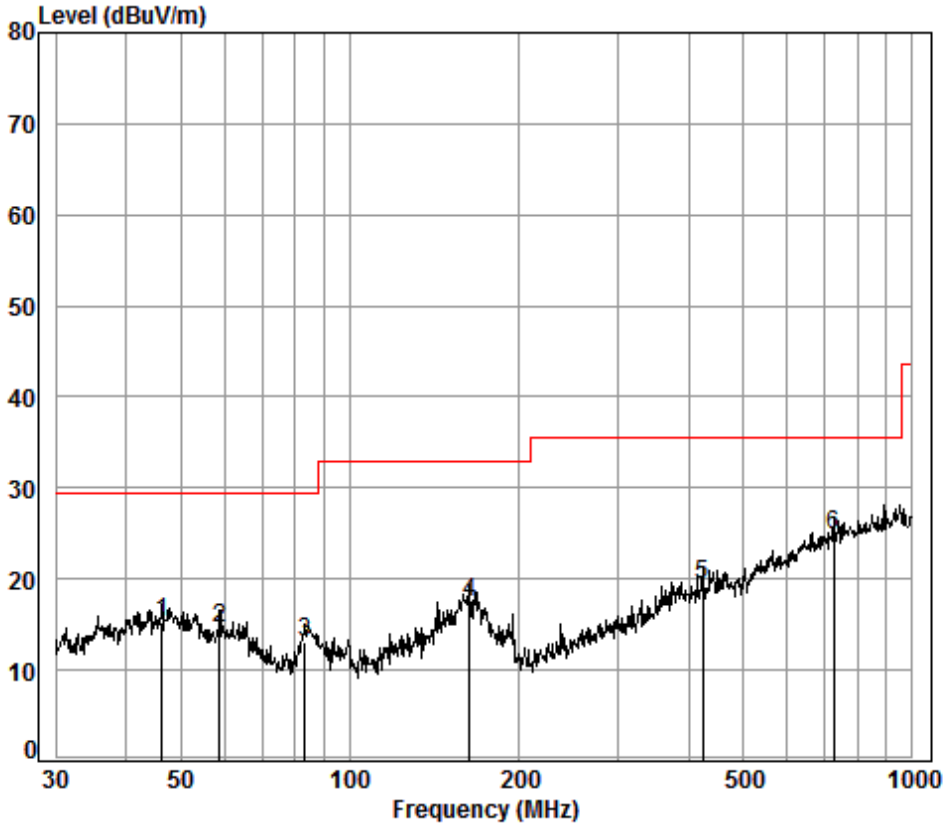
30MHz~1GHz（QP）		
Test mode:	Transmitting	Vertical



Condition: 10m VERTICAL
Job No. : 02571RG
Test Mode: WIFI:5G

	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	42.01	6.80	13.15	32.99	32.00	18.96	29.50	-10.54
2	62.65	7.00	11.46	32.93	31.92	17.45	29.50	-12.05
3	83.82	7.14	8.60	32.85	32.90	15.79	29.50	-13.71
4	195.82	7.58	9.50	32.70	33.06	17.44	33.00	-15.56
5	556.77	8.79	17.85	32.60	27.05	21.09	35.60	-14.51
6 pp	938.83	9.55	22.65	32.50	26.52	26.22	35.60	-9.38

Test mode:	Transmitting	Horizontal



Condition: 10m HORIZONTAL
Job No. : 02571RG
Test Mode: WIFI:5G

	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	46.34	6.83	12.87	33.00	28.59	15.29	29.50	-14.21
2	58.61	7.00	12.10	32.95	28.45	14.60	29.50	-14.90
3	83.23	7.13	8.59	32.85	30.25	13.12	29.50	-16.38
4	163.18	7.50	13.07	32.73	29.57	17.41	33.00	-15.59
5	423.54	8.36	15.51	32.60	28.16	19.43	35.60	-16.17
6 pp	724.26	9.20	20.45	32.60	27.76	24.81	35.60	-10.79

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
7476.006	36.31	9.83	36.87	42.81	52.64	74	-21.36	Vertical
9099.724	36.78	10.74	35.35	40.19	52.84	74	-21.16	Vertical
10360.00	37.24	11.74	35.08	39.18	53.64	74	-20.36	Vertical
12909.70	38.82	13.32	37.78	37.70	53.04	74	-20.96	Vertical
15540.00	41.38	15.28	38.31	34.45	53.76	74	-20.24	Vertical
17436.71	43.33	18.14	36.08	27.43	53.51	74	-20.49	Vertical
7263.015	36.39	9.69	37.06	43.09	52.71	74	-21.29	Horizontal
8969.161	36.56	10.66	35.43	41.48	53.72	74	-20.28	Horizontal
10360.00	37.24	11.74	35.08	38.64	53.10	74	-20.90	Horizontal
12984.54	38.80	13.35	37.96	37.60	52.78	74	-21.22	Horizontal
15540.00	41.38	15.28	38.31	34.16	53.47	74	-20.53	Horizontal
17588.56	43.56	18.55	36.01	26.15	53.18	74	-20.82	Horizontal

Test mode:	802.11a		Frequency(MHz):	5220	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
7368.741	36.35	9.76	36.97	41.72	51.42	74	-22.58	Vertical
8995.123	36.59	10.68	35.4	41.20	53.53	74	-20.47	Vertical
10440.00	37.16	11.81	35.12	39.19	53.59	74	-20.41	Vertical
12724.47	38.85	13.24	37.34	37.85	53.55	74	-20.45	Vertical
15660.00	41.34	15.38	38.17	33.50	53.06	74	-20.94	Vertical
17487.18	43.38	18.28	36.06	27.02	53.38	74	-20.62	Vertical
7221.15	36.41	9.66	37.10	42.84	52.42	74	-21.58	Horizontal
9232.187	37.02	10.81	35.28	40.13	53.18	74	-20.82	Horizontal
10440.00	37.16	11.81	35.12	39.35	53.75	74	-20.25	Horizontal
13059.82	38.78	13.45	38.06	37.38	52.55	74	-21.45	Horizontal
15660.00	41.34	15.38	38.17	33.45	53.01	74	-20.99	Horizontal
17844.59	44.02	19.22	35.88	24.68	53.42	74	-20.58	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
7390.07	36.34	9.78	36.95	42.60	52.32	74	-21.68	Vertical
9285.71	37.12	10.84	35.26	39.71	52.92	74	-21.08	Vertical
10480.00	37.12	11.84	35.14	38.58	52.94	74	-21.06	Vertical
13135.54	38.75	13.57	38.14	37.47	52.65	74	-21.35	Vertical
15720.00	41.31	15.42	38.11	33.49	53.14	74	-20.86	Vertical
17588.56	43.56	18.55	36.01	26.28	53.31	74	-20.69	Vertical
7368.741	36.35	9.76	36.97	42.25	51.95	74	-22.05	Horizontal
9099.724	36.78	10.74	35.35	40.74	53.39	74	-20.61	Horizontal
10480.00	37.12	11.84	35.14	39.25	53.61	74	-20.39	Horizontal
13097.62	38.76	13.51	38.10	38.32	53.50	74	-20.50	Horizontal
15720.00	41.31	15.42	38.11	33.30	52.95	74	-21.05	Horizontal
17537.8	43.47	18.41	36.03	26.44	53.13	74	-20.87	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
7628.806	36.38	9.9	36.73	41.50	51.62	74	-22.38	Vertical
9232.187	37.02	10.81	35.28	40.19	53.24	74	-20.76	Vertical
10520.00	37.12	11.88	35.16	38.66	53.04	74	-20.96	Vertical
13249.93	38.70	13.74	38.25	37.79	52.94	74	-21.06	Vertical
15780.00	41.29	15.47	38.04	33.10	52.88	74	-21.12	Vertical
17793.09	43.93	19.09	35.90	24.72	53.13	74	-20.87	Vertical
7606.788	36.37	9.89	36.75	41.50	51.57	74	-22.43	Horizontal
10520.00	37.12	11.88	35.16	39.46	53.84	74	-20.16	Horizontal
11803.28	38.41	12.37	35.56	36.17	52.19	74	-21.81	Horizontal
13797.09	38.96	14.40	38.80	38.19	53.51	74	-20.49	Horizontal
15780.00	41.29	15.47	38.04	33.53	53.31	74	-20.69	Horizontal
17690.53	43.75	18.82	35.95	25.55	53.28	74	-20.72	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
7784.729	36.47	9.96	36.59	42.67	53.09	74	-20.91	Vertical
9232.187	37.02	10.81	35.28	40.19	53.24	74	-20.76	Vertical
10600.00	37.22	11.94	35.2	38.53	53.02	74	-20.98	Vertical
12651.13	38.87	13.21	37.16	36.89	52.75	74	-21.25	Vertical
15900.00	41.24	15.56	37.91	33.75	53.72	74	-20.28	Vertical
17844.59	44.02	19.22	35.88	24.49	53.23	74	-20.77	Vertical
7179.527	36.43	9.63	37.14	42.08	51.63	74	-22.37	Horizontal
9126.063	36.83	10.75	35.34	39.88	52.60	74	-21.40	Horizontal
10600.00	37.22	11.94	35.20	38.44	52.93	74	-21.07	Horizontal
12541.90	38.89	13.16	36.9	36.84	52.91	74	-21.09	Horizontal
15900.00	41.24	15.56	37.91	33.17	53.14	74	-20.86	Horizontal
17844.59	44.02	19.22	35.88	24.93	53.67	74	-20.33	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
7347.474	36.36	9.75	36.99	42.44	52.13	74	-21.87	Vertical
9152.479	36.88	10.76	35.32	40.10	52.91	74	-21.09	Vertical
10640.00	37.27	11.97	35.22	39.11	53.65	74	-20.35	Vertical
12909.70	38.82	13.32	37.78	37.37	52.71	74	-21.29	Vertical
15960.00	41.22	15.61	37.84	33.45	53.51	74	-20.49	Vertical
17690.53	43.75	18.82	35.95	25.98	53.71	74	-20.29	Vertical
7263.015	36.39	9.69	37.06	41.70	51.32	74	-22.68	Horizontal
9099.724	36.78	10.74	35.35	40.58	53.23	74	-20.77	Horizontal
10640.00	37.27	11.97	35.22	38.50	53.04	74	-20.96	Horizontal
13404.01	38.64	13.97	38.40	38.12	53.23	74	-20.77	Horizontal
15960.00	41.22	15.61	37.84	33.55	53.61	74	-20.39	Horizontal
17741.74	43.84	18.95	35.93	25.71	53.77	74	-20.23	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
7673.034	36.41	9.92	36.69	42.43	52.64	74	-21.36	Vertical
9781.603	37.56	11.23	35.01	38.80	53.19	74	-20.81	Vertical
11000.00	37.70	12.26	35.40	38.33	53.44	74	-20.56	Vertical
12149.42	38.69	12.62	35.96	37.25	53.46	74	-20.54	Vertical
14745.47	40.85	14.79	38.93	36.34	53.71	74	-20.29	Vertical
16500.00	42.70	16.03	37.05	30.96	53.57	74	-20.43	Vertical
7368.741	36.35	9.76	36.97	41.78	51.48	74	-22.52	Horizontal
8917.462	36.50	10.62	35.48	40.97	53.07	74	-20.93	Horizontal
11000.00	37.70	12.26	35.4	37.81	52.92	74	-21.08	Horizontal
12687.75	38.86	13.22	37.25	37.73	53.51	74	-20.49	Horizontal
14618.17	40.62	14.75	38.94	35.31	52.35	74	-21.65	Horizontal
16500.00	42.70	16.03	37.05	30.72	53.33	74	-20.67	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
7138.144	36.44	9.61	37.18	41.90	51.41	74	-22.59	Vertical
8891.725	36.47	10.60	35.51	41.14	53.16	74	-20.84	Vertical
11200.00	37.86	12.29	35.44	37.52	52.84	74	-21.16	Vertical
13059.82	38.78	13.45	38.06	38.38	53.55	74	-20.45	Vertical
14830.96	41.00	14.81	38.92	35.92	53.50	74	-20.50	Vertical
16800.00	42.76	16.59	36.60	29.60	53.20	74	-20.80	Vertical
7179.527	36.43	9.63	37.14	42.92	52.47	74	-21.53	Horizontal
9232.187	37.02	10.81	35.28	39.91	52.96	74	-21.04	Horizontal
11200.00	37.86	12.29	35.44	37.74	53.06	74	-20.94	Horizontal
12687.75	38.86	13.22	37.25	38.01	53.79	74	-20.21	Horizontal
14830.96	41.00	14.81	38.92	35.35	52.93	74	-21.07	Horizontal
16800.00	42.76	16.59	36.60	29.70	53.30	74	-20.70	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
7411.461	36.33	9.79	36.93	42.76	52.50	74	-21.50	Vertical
9312.588	37.17	10.85	35.24	39.53	52.83	74	-21.17	Vertical
11400.00	38.02	12.32	35.48	38.13	53.66	74	-20.34	Vertical
13059.82	38.78	13.45	38.06	38.38	53.55	74	-20.45	Vertical
15177.89	41.34	14.99	38.70	34.41	52.86	74	-21.14	Vertical
17100.00	42.92	17.23	36.25	28.55	53.23	74	-20.77	Vertical
7221.15	36.41	9.66	37.1	42.73	52.31	74	-21.69	Horizontal
8866.062	36.44	10.58	35.53	40.90	52.86	74	-21.14	Horizontal
11400.00	38.02	12.32	35.48	38.19	53.72	74	-20.28	Horizontal
13249.93	38.70	13.74	38.25	38.05	53.2	74	-20.80	Horizontal
15443.41	41.39	15.21	38.41	34.5	53.62	74	-20.38	Horizontal
17100.00	42.92	17.23	36.25	28.93	53.61	74	-20.39	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
7056.092	36.48	9.55	37.25	42.9	52.35	74	-21.65	Vertical
9047.272	36.69	10.71	35.38	40.41	52.90	74	-21.10	Vertical
11490.00	38.09	12.33	35.50	37.28	52.90	74	-21.10	Vertical
13135.54	38.75	13.57	38.14	38.00	53.18	74	-20.82	Vertical
15577.90	41.37	15.31	38.26	33.68	53.08	74	-20.92	Vertical
17235.00	43.08	17.6	36.18	27.89	53.13	74	-20.87	Vertical
7497.646	36.3	9.85	36.85	41.5	51.36	74	-22.64	Horizontal
9585.684	37.52	11.04	35.11	38.91	52.93	74	-21.07	Horizontal
11490.00	38.09	12.33	35.50	37.35	52.97	74	-21.03	Horizontal
13249.93	38.70	13.74	38.25	38.05	53.2	74	-20.80	Horizontal
15488.11	41.40	15.24	38.36	34.33	53.55	74	-20.45	Horizontal
17235.00	43.08	17.6	36.18	28.47	53.71	74	-20.29	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
7242.052	36.40	9.68	37.08	43.08	52.69	74	-21.31	Vertical
8917.462	36.50	10.62	35.48	41.50	53.60	74	-20.40	Vertical
11570.00	38.17	12.34	35.51	37.64	53.36	74	-20.64	Vertical
13638.49	38.77	14.24	38.64	37.46	52.65	74	-21.35	Vertical
15759.05	41.30	15.45	38.07	33.61	53.34	74	-20.66	Vertical
17355.00	43.23	17.93	36.12	27.80	53.55	74	-20.45	Vertical
7138.144	36.44	9.61	37.18	42.14	51.65	74	-22.35	Horizontal
8764.146	36.32	10.51	35.64	40.76	52.44	74	-21.56	Horizontal
11570.00	38.17	12.34	35.51	37.95	53.67	74	-20.33	Horizontal
13326.75	38.67	13.85	38.33	37.31	52.43	74	-21.57	Horizontal
15759.05	41.30	15.45	38.07	33.45	53.18	74	-20.82	Horizontal
17355.00	43.23	17.93	36.12	27.72	53.47	74	-20.53	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
7454.429	36.32	9.82	36.89	42.36	52.16	74	-21.84	Vertical
9073.46	36.74	10.72	35.36	40.63	53.20	74	-20.80	Vertical
11650.00	38.25	12.35	35.53	37.88	53.70	74	-20.30	Vertical
13442.81	38.62	14.03	38.44	38.21	53.31	74	-20.69	Vertical
15532.94	41.39	15.28	38.31	34.00	53.32	74	-20.68	Vertical
17475.00	43.37	18.25	36.06	27.10	53.39	74	-20.61	Vertical
7347.474	36.36	9.75	36.99	41.21	50.90	74	-23.10	Horizontal
9285.71	37.12	10.84	35.26	40.00	53.21	74	-20.79	Horizontal
11650.00	38.25	12.35	35.53	36.84	52.66	74	-21.34	Horizontal
13326.75	38.67	13.85	38.33	38.31	53.43	74	-20.57	Horizontal
16081.14	41.45	15.70	37.68	33.03	53.54	74	-20.46	Horizontal
17475.00	43.37	18.25	36.06	26.69	52.98	74	-21.02	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
7179.527	36.43	9.63	37.14	42.95	52.50	74	-21.50	Vertical
8969.161	36.56	10.66	35.43	40.63	52.87	74	-21.13	Vertical
10360.00	37.24	11.74	35.08	38.87	53.33	74	-20.67	Vertical
12984.54	38.8	13.35	37.96	38.07	53.25	74	-20.75	Vertical
15540.00	41.38	15.28	38.31	33.98	53.29	74	-20.71	Vertical
17336.20	43.21	17.87	36.13	28.07	53.74	74	-20.26	Vertical
7035.727	36.49	9.54	37.27	42.85	52.29	74	-21.71	Horizontal
9047.272	36.69	10.71	35.38	40.38	52.87	74	-21.13	Horizontal
10360.00	37.24	11.74	35.08	39.15	53.61	74	-20.39	Horizontal
12724.47	38.85	13.24	37.34	37.90	53.60	74	-20.40	Horizontal
15540.00	41.38	15.28	38.31	33.93	53.24	74	-20.76	Horizontal
17537.80	43.47	18.41	36.03	26.68	53.37	74	-20.63	Horizontal

Test mode:	802.11n(HT20)		Frequency(MHz):	5220	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
7179.527	36.43	9.63	37.14	42.04	51.59	74	-22.41	Vertical
8943.274	36.53	10.64	35.46	41.12	53.28	74	-20.72	Vertical
10440.00	37.16	11.81	35.12	38.69	53.09	74	-20.91	Vertical
12541.9	38.89	13.16	36.9	37.37	53.44	74	-20.56	Vertical
15660.00	41.34	15.38	38.17	34.14	53.70	74	-20.30	Vertical
17537.80	43.47	18.41	36.03	26.58	53.27	74	-20.73	Vertical
7221.15	36.41	9.66	37.1	42.67	52.25	74	-21.75	Horizontal
9178.972	36.93	10.78	35.31	40.35	53.24	74	-20.76	Horizontal
10440.00	37.16	11.81	35.12	38.31	52.71	74	-21.29	Horizontal
12505.71	38.90	13.14	36.81	37.33	53.48	74	-20.52	Horizontal
15660.00	41.34	15.38	38.17	33.61	53.17	74	-20.83	Horizontal
17386.38	43.27	18.01	36.11	27.48	53.36	74	-20.64	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
7076.516	36.47	9.56	37.23	42.34	51.81	74	-22.19	Vertical
9047.272	36.69	10.71	35.38	40.63	53.12	74	-20.88	Vertical
10480.00	37.12	11.84	35.14	39.53	53.89	74	-20.11	Vertical
12724.47	38.85	13.24	37.34	37.23	52.93	74	-21.07	Vertical
15720.00	41.31	15.42	38.11	33.86	53.51	74	-20.49	Vertical
17639.47	43.65	18.68	35.98	25.63	53.00	74	-21.00	Vertical
7305.122	36.38	9.72	37.03	42.42	52.07	74	-21.93	Horizontal
9258.909	37.07	10.82	35.27	40.07	53.20	74	-20.80	Horizontal
10480.00	37.12	11.84	35.14	39.27	53.63	74	-20.37	Horizontal
13559.88	38.67	14.17	38.56	37.77	52.90	74	-21.10	Horizontal
15720.00	41.31	15.42	38.11	33.47	53.12	74	-20.88	Horizontal
17690.53	43.75	18.82	35.95	26.05	53.78	74	-20.22	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
7117.542	36.45	9.59	37.19	42.47	51.97	74	-22.03	Vertical
9047.272	36.69	10.71	35.38	40.99	53.48	74	-20.52	Vertical
10520.00	37.12	11.88	35.16	39.42	53.80	74	-20.20	Vertical
12578.21	38.88	13.17	36.99	36.88	52.87	74	-21.13	Vertical
15780.00	41.29	15.47	38.04	33.76	53.54	74	-20.46	Vertical
17336.20	43.21	17.87	36.13	27.56	53.23	74	-20.77	Vertical
7305.122	36.38	9.72	37.03	42.42	52.07	74	-21.93	Horizontal
8891.725	36.47	10.60	35.51	41.45	53.47	74	-20.53	Horizontal
10520.00	37.12	11.88	35.16	39.12	53.50	74	-20.50	Horizontal
12687.75	38.86	13.22	37.25	37.51	53.29	74	-20.71	Horizontal
15780.00	41.29	15.47	38.04	33.37	53.15	74	-20.85	Horizontal
17588.56	43.56	18.55	36.01	26.57	53.60	74	-20.40	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
7117.542	36.45	9.59	37.19	42.47	51.97	74	-22.03	Vertical
8840.473	36.41	10.56	35.56	41.44	53.32	74	-20.68	Vertical
10600.00	37.22	11.94	35.2	38.69	53.18	74	-20.82	Vertical
13442.81	38.62	14.03	38.44	38.36	53.46	74	-20.54	Vertical
15900.00	41.24	15.56	37.91	33.04	53.01	74	-20.99	Vertical
17537.80	43.47	18.41	36.03	26.47	53.16	74	-20.84	Vertical
7454.429	36.32	9.82	36.89	42.40	52.20	74	-21.80	Horizontal
9285.71	37.12	10.84	35.26	39.93	53.14	74	-20.86	Horizontal
10600.00	37.22	11.94	35.2	39.27	53.76	74	-20.24	Horizontal
13059.82	38.78	13.45	38.06	37.65	52.82	74	-21.18	Horizontal
15900.00	41.24	15.56	37.91	33.23	53.20	74	-20.80	Horizontal
17690.53	43.75	18.82	35.95	25.2	52.93	74	-21.07	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
7200.309	36.42	9.65	37.12	42.24	51.81	74	-22.19	Vertical
9047.272	36.69	10.71	35.38	40.53	53.02	74	-20.98	Vertical
10640.00	37.27	11.97	35.22	38.44	52.98	74	-21.02	Vertical
13173.56	38.73	13.62	38.17	38.27	53.44	74	-20.56	Vertical
15960.00	41.22	15.61	37.84	33.24	53.3	74	-20.70	Vertical
17386.38	43.27	18.01	36.11	27.16	53.04	74	-20.96	Vertical
7221.15	36.41	9.66	37.10	42.79	52.37	74	-21.63	Horizontal
9099.724	36.78	10.74	35.35	41.09	53.74	74	-20.26	Horizontal
10640.00	37.27	11.97	35.22	38.39	52.93	74	-21.07	Horizontal
12326.27	38.80	12.89	36.38	37.30	53.50	74	-20.50	Horizontal
13797.09	38.96	14.40	38.80	38.11	53.43	74	-20.57	Horizontal
15960.00	41.22	15.61	37.84	33.51	53.57	74	-20.43	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
7179.527	36.43	9.63	37.14	43.00	52.55	74	-21.45	Vertical
9258.909	37.07	10.82	35.27	40.71	53.84	74	-20.16	Vertical
11000.00	37.70	12.26	35.4	38.25	53.36	74	-20.64	Vertical
12541.9	38.89	13.16	36.9	36.92	52.99	74	-21.01	Vertical
14660.48	40.69	14.76	38.93	36.48	53.62	74	-20.38	Vertical
16500.00	42.70	16.03	37.05	30.34	52.95	74	-21.05	Vertical
7138.144	36.44	9.61	37.18	42.36	51.87	74	-22.13	Horizontal
8866.062	36.44	10.58	35.53	41.62	53.58	74	-20.42	Horizontal
11000.00	37.70	12.26	35.4	37.84	52.95	74	-21.05	Horizontal
12761.30	38.85	13.26	37.43	38.02	53.66	74	-20.34	Horizontal
15090.40	41.32	14.92	38.8	35.27	53.50	74	-20.50	Horizontal
16500.00	42.70	16.03	37.05	30.34	52.95	74	-21.05	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
7096.999	36.46	9.58	37.21	42.53	52.02	74	-21.98	Vertical
8943.274	36.53	10.64	35.46	40.69	52.85	74	-21.15	Vertical
11200.00	37.86	12.29	35.44	38.53	53.85	74	-20.15	Vertical
12909.70	38.82	13.32	37.78	38.11	53.45	74	-20.55	Vertical
14873.89	41.08	14.82	38.91	35.61	53.31	74	-20.69	Vertical
16800.00	42.76	16.59	36.6	30.19	53.79	74	-20.21	Vertical
7138.144	36.44	9.61	37.18	42.36	51.87	74	-22.13	Horizontal
9047.272	36.69	10.71	35.38	41.28	53.77	74	-20.23	Horizontal
11200.00	37.86	12.29	35.44	38.03	53.35	74	-20.65	Horizontal
12651.13	38.87	13.21	37.16	37.56	53.42	74	-20.58	Horizontal
14916.94	41.15	14.83	38.91	34.98	52.77	74	-21.23	Horizontal
16800.00	42.76	16.59	36.60	29.89	53.49	74	-20.51	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
7056.092	36.48	9.55	37.25	42.6	52.05	74	-21.95	Vertical
9021.16	36.64	10.69	35.39	40.85	53.25	74	-20.75	Vertical
11400.00	38.02	12.32	35.48	37.75	53.28	74	-20.72	Vertical
12798.24	38.84	13.27	37.52	37.47	53.02	74	-20.98	Vertical
15221.82	41.34	15.03	38.66	34.8	53.35	74	-20.65	Vertical
17100.00	42.92	17.23	36.25	28.79	53.47	74	-20.53	Vertical
7179.527	36.43	9.63	37.14	41.8	51.35	74	-22.65	Horizontal
9420.88	37.36	10.91	35.19	39.46	53.08	74	-20.92	Horizontal
11400.00	38.02	12.32	35.48	37.71	53.24	74	-20.76	Horizontal
12541.90	38.89	13.16	36.9	37.33	53.40	74	-20.60	Horizontal
15046.85	41.31	14.89	38.85	35.4	53.52	74	-20.48	Horizontal
17100.00	42.92	17.23	36.25	29.05	53.73	74	-20.27	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
7138.144	36.44	9.61	37.18	42.65	52.16	74	-21.84	Vertical
9073.46	36.74	10.72	35.36	40.47	53.04	74	-20.96	Vertical
11490.00	38.09	12.33	35.5	37.49	53.11	74	-20.89	Vertical
13211.69	38.71	13.68	38.21	38.56	53.71	74	-20.29	Vertical
15265.88	41.35	15.07	38.61	34.51	53.18	74	-20.82	Vertical
17235.00	43.08	17.6	36.18	27.66	52.90	74	-21.10	Vertical
7138.144	36.44	9.61	37.18	42.15	51.66	74	-22.34	Horizontal
9285.71	37.12	10.84	35.26	39.83	53.04	74	-20.96	Horizontal
11490.00	38.09	12.33	35.5	37.54	53.16	74	-20.84	Horizontal
13288.28	38.68	13.8	38.29	38.05	53.18	74	-20.82	Horizontal
15046.85	41.31	14.89	38.85	34.40	52.52	74	-21.48	Horizontal
17235.00	43.08	17.6	36.18	27.98	53.22	74	-20.78	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
7541.114	36.33	9.87	36.81	42.08	52.03	74	-21.97	Vertical
9021.16	36.64	10.69	35.39	41.16	53.56	74	-20.44	Vertical
11570.00	38.17	12.34	35.51	38.13	53.85	74	-20.15	Vertical
13211.69	38.71	13.68	38.21	38.24	53.39	74	-20.61	Vertical
15759.05	41.3	15.45	38.07	33.24	52.97	74	-21.03	Vertical
17355.00	43.23	17.93	36.12	28.14	53.89	74	-20.11	Vertical
7305.122	36.38	9.72	37.03	42.8	52.45	74	-21.55	Horizontal
9312.588	37.17	10.85	35.24	39.76	53.06	74	-20.94	Horizontal
11570.00	38.17	12.34	35.51	38.09	53.81	74	-20.19	Horizontal
12761.30	38.85	13.26	37.43	38.01	53.65	74	-20.35	Horizontal
15046.85	41.31	14.89	38.85	35.19	53.31	74	-20.69	Horizontal
17355.00	43.23	17.93	36.12	27.44	53.19	74	-20.81	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
7368.741	36.35	9.76	36.97	41.91	51.61	74	-22.39	Vertical
9099.724	36.78	10.74	35.35	40.14	52.79	74	-21.21	Vertical
11650.00	38.25	12.35	35.53	37.72	53.54	74	-20.46	Vertical
12724.47	38.85	13.24	37.34	37.42	53.12	74	-20.88	Vertical
15398.83	41.38	15.17	38.46	34.52	53.52	74	-20.48	Vertical
17475.00	43.37	18.25	36.06	27.48	53.77	74	-20.23	Vertical
7200.309	36.42	9.65	37.12	42.9	52.47	74	-21.53	Horizontal
8943.274	36.53	10.64	35.46	41.26	53.42	74	-20.58	Horizontal
11650.00	38.25	12.35	35.53	37.83	53.65	74	-20.35	Horizontal
13097.62	38.76	13.51	38.10	37.65	52.83	74	-21.17	Horizontal
15443.41	41.39	15.21	38.41	34.00	53.12	74	-20.88	Horizontal
17475.00	43.37	18.25	36.06	27.13	53.42	74	-20.58	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
7179.527	36.43	9.63	37.14	43.54	53.09	74	-20.91	Vertical
8917.462	36.5	10.62	35.48	41.15	53.25	74	-20.75	Vertical
10380.00	37.22	11.76	35.09	38.38	52.83	74	-21.17	Vertical
12469.61	38.88	13.1	36.73	37.54	53.70	74	-20.30	Vertical
15570.00	41.37	15.31	38.27	34.38	53.77	74	-20.23	Vertical
17639.47	43.65	18.68	35.98	25.58	52.95	74	-21.05	Vertical
7200.309	36.42	9.65	37.12	42.76	52.33	74	-21.67	Horizontal
8969.161	36.56	10.66	35.43	41.1	53.34	74	-20.66	Horizontal
10380.00	37.22	11.76	35.09	38.88	53.33	74	-20.67	Horizontal
12255.22	38.75	12.78	36.21	37.24	53.44	74	-20.56	Horizontal
15570.00	41.37	15.31	38.27	34.24	53.63	74	-20.37	Horizontal
17844.59	44.02	19.22	35.88	24.25	52.99	74	-21.01	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
7411.461	36.33	9.79	36.93	41.72	51.46	74	-22.54	Vertical
9047.272	36.69	10.71	35.38	40.17	52.66	74	-21.34	Vertical
10460.00	37.14	11.83	35.13	38.82	53.21	74	-20.79	Vertical
12724.47	38.85	13.24	37.34	37.62	53.32	74	-20.68	Vertical
15690.00	41.32	15.4	38.14	33.77	53.37	74	-20.63	Vertical
17286.17	43.15	17.74	36.16	27.38	52.84	74	-21.16	Vertical
7221.15	36.41	9.66	37.1	42.79	52.37	74	-21.63	Horizontal
8969.161	36.56	10.66	35.43	41.1	53.34	74	-20.66	Horizontal
10460.00	37.14	11.83	35.13	38.53	52.92	74	-21.08	Horizontal
12219.85	38.73	12.73	36.13	37.29	53.50	74	-20.50	Horizontal
15690.00	41.32	15.4	38.14	34.19	53.79	74	-20.21	Horizontal
17286.17	43.15	17.74	36.16	28.07	53.53	74	-20.47	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
7454.429	36.32	9.82	36.89	42.81	52.61	74	-21.39	Vertical
8891.725	36.47	10.60	35.51	40.73	52.75	74	-21.25	Vertical
10540.00	37.15	11.89	35.17	38.62	53.03	74	-20.97	Vertical
12505.71	38.90	13.14	36.81	37.12	53.27	74	-20.73	Vertical
15810.00	41.28	15.49	38.01	33.54	53.37	74	-20.63	Vertical
17588.56	43.56	18.55	36.01	26.59	53.62	74	-20.38	Vertical
7368.741	36.35	9.76	36.97	42.36	52.06	74	-21.94	Horizontal
8738.852	36.29	10.49	35.66	40.8	52.41	74	-21.59	Horizontal
10540.00	37.15	11.89	35.17	38.55	52.96	74	-21.04	Horizontal
12326.27	38.80	12.89	36.38	36.94	53.14	74	-20.86	Horizontal
15810.00	41.28	15.49	38.01	33.07	52.90	74	-21.10	Horizontal
17844.59	44.02	19.22	35.88	24.94	53.68	74	-20.32	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
7200.309	36.42	9.65	37.12	42.23	51.8	74	-22.20	Vertical
8969.161	36.56	10.66	35.43	39.57	51.81	74	-22.19	Vertical
10620.00	37.25	11.96	35.21	39.26	53.79	74	-20.21	Vertical
12835.29	38.83	13.29	37.60	37.80	53.29	74	-20.71	Vertical
15930.00	41.23	15.59	37.88	33.14	53.15	74	-20.85	Vertical
17336.20	43.21	17.87	36.13	27.31	52.98	74	-21.02	Vertical
7221.15	36.41	9.66	37.10	43.85	53.43	74	-20.57	Horizontal
8891.725	36.47	10.6	35.51	41.67	53.69	74	-20.31	Horizontal
10620.00	37.25	11.96	35.21	39.05	53.58	74	-20.42	Horizontal
13097.62	38.76	13.51	38.10	38.42	53.6	74	-20.40	Horizontal
15930.00	41.23	15.59	37.88	33.73	53.74	74	-20.26	Horizontal
17741.74	43.84	18.95	35.93	25.59	53.65	74	-20.35	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
7368.741	36.35	9.76	36.97	42.06	51.76	74	-22.24	Vertical
9126.063	36.83	10.75	35.34	40.28	53.00	74	-21.00	Vertical
11020.00	37.72	12.26	35.4	38.52	53.66	74	-20.34	Vertical
12651.13	38.87	13.21	37.16	37.82	53.68	74	-20.32	Vertical
15003.42	41.30	14.85	38.90	35.10	53.11	74	-20.89	Vertical
16530.00	42.71	16.09	37.01	30.89	53.6	74	-20.40	Vertical
7200.309	36.42	9.65	37.12	43.89	53.46	74	-20.54	Horizontal
8891.725	36.47	10.60	35.51	41.32	53.34	74	-20.66	Horizontal
11020.00	37.72	12.26	35.40	37.92	53.06	74	-20.94	Horizontal
12469.61	38.88	13.10	36.73	37.34	53.50	74	-20.50	Horizontal
15003.42	41.30	14.85	38.90	35.23	53.24	74	-20.76	Horizontal
16530.00	42.71	16.09	37.01	30.28	52.99	74	-21.01	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
7390.07	36.34	9.78	36.95	41.74	51.46	74	-22.54	Vertical
9232.187	37.02	10.81	35.28	39.83	52.88	74	-21.12	Vertical
11180.00	37.85	12.29	35.44	37.6	52.91	74	-21.09	Vertical
12687.75	38.86	13.22	37.25	37.29	53.07	74	-20.93	Vertical
15177.89	41.34	14.99	38.70	34.7	53.15	74	-20.85	Vertical
16770.00	42.75	16.54	36.65	30.04	53.54	74	-20.46	Vertical
7221.150	36.41	9.66	37.10	43.01	52.59	74	-21.41	Horizontal
9178.972	36.93	10.78	35.31	40.75	53.64	74	-20.36	Horizontal
11180.000	37.85	12.29	35.44	38.20	53.51	74	-20.49	Horizontal
13059.820	38.78	13.45	38.06	37.58	52.75	74	-21.25	Horizontal
15221.820	41.34	15.03	38.66	34.69	53.24	74	-20.76	Horizontal
16770.000	42.75	16.54	36.65	29.96	53.46	74	-20.54	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
7158.806	36.43	9.62	37.16	42.21	51.74	74	-22.26	Vertical
9099.724	36.78	10.74	35.35	40.69	53.34	74	-20.66	Vertical
11340.00	37.97	12.31	35.47	37.69	53.15	74	-20.85	Vertical
12761.30	38.85	13.26	37.43	37.32	52.96	74	-21.04	Vertical
14916.94	41.15	14.83	38.91	35.35	53.14	74	-20.86	Vertical
17010.00	42.81	16.99	36.29	28.77	53.08	74	-20.92	Vertical
7717.518	36.43	9.93	36.65	42.52	52.80	74	-21.20	Horizontal
9099.724	36.78	10.74	35.35	40.12	52.77	74	-21.23	Horizontal
11340.00	37.97	12.31	35.47	37.65	53.11	74	-20.89	Horizontal
12835.29	38.83	13.29	37.6	37.72	53.21	74	-20.79	Horizontal
14960.12	41.23	14.84	38.9	35.26	53.17	74	-20.83	Horizontal
17010.00	42.81	16.99	36.29	28.74	53.05	74	-20.95	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
7158.806	36.43	9.62	37.16	42.50	52.03	74	-21.97	Vertical
9099.724	36.78	10.74	35.35	40.85	53.50	74	-20.50	Vertical
11510.00	38.11	12.33	35.5	37.69	53.34	74	-20.66	Vertical
12909.70	38.82	13.32	37.78	37.91	53.25	74	-20.75	Vertical
14873.89	41.08	14.82	38.91	35.43	53.13	74	-20.87	Vertical
17265.00	43.12	17.68	36.17	28.18	53.55	74	-20.45	Vertical
7454.429	36.32	9.82	36.89	42.06	51.86	74	-22.14	Horizontal
9021.16	36.64	10.69	35.39	40.88	53.28	74	-20.72	Horizontal
11510.00	38.11	12.33	35.50	38.02	53.67	74	-20.33	Horizontal
12761.30	38.85	13.26	37.43	37.32	52.96	74	-21.04	Horizontal
15046.85	41.31	14.89	38.85	35.06	53.18	74	-20.82	Horizontal
17265.00	43.12	17.68	36.17	28.34	53.71	74	-20.29	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
7390.07	36.34	9.78	36.95	42.32	52.04	74	-21.96	Vertical
8943.274	36.53	10.64	35.46	40.84	53.00	74	-21.00	Vertical
11590.00	38.19	12.34	35.52	37.77	53.51	74	-20.49	Vertical
12909.70	38.82	13.32	37.78	38.32	53.66	74	-20.34	Vertical
15622.99	41.35	15.35	38.21	33.25	52.74	74	-21.26	Vertical
17385.00	43.26	18.01	36.11	27.39	53.26	74	-20.74	Vertical
7179.527	36.43	9.63	37.14	42.18	51.73	74	-22.27	Horizontal
9258.909	37.07	10.82	35.27	40.15	53.28	74	-20.72	Horizontal
11590.00	38.19	12.34	35.52	37.43	53.17	74	-20.83	Horizontal
13135.54	38.75	13.57	38.14	37.63	52.81	74	-21.19	Horizontal
15532.94	41.39	15.28	38.31	34.07	53.39	74	-20.61	Horizontal
17385.00	43.26	18.01	36.11	27.04	52.91	74	-21.09	Horizontal

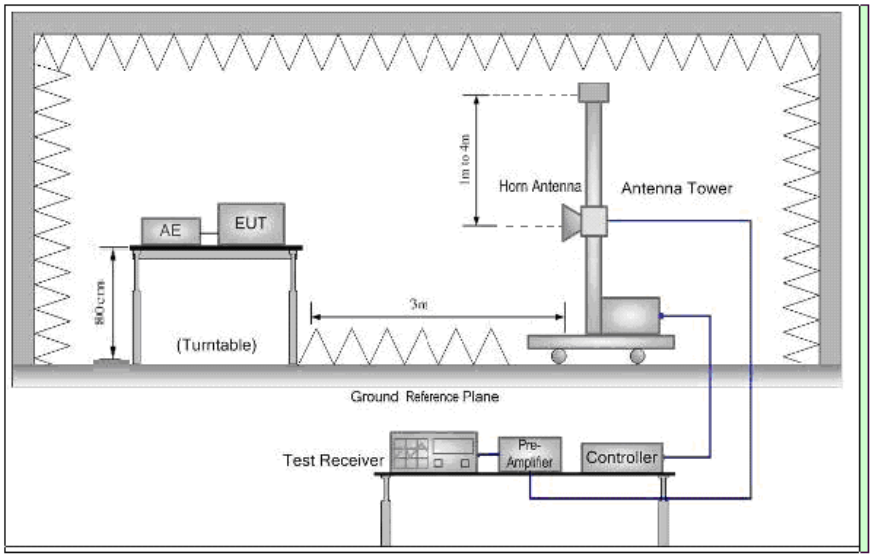
Remark:
1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
2) Scan from 9kHz to 25GHz,The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .
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 20 dB 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 (Semi-Anechoic Chamber)
Limit:	

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

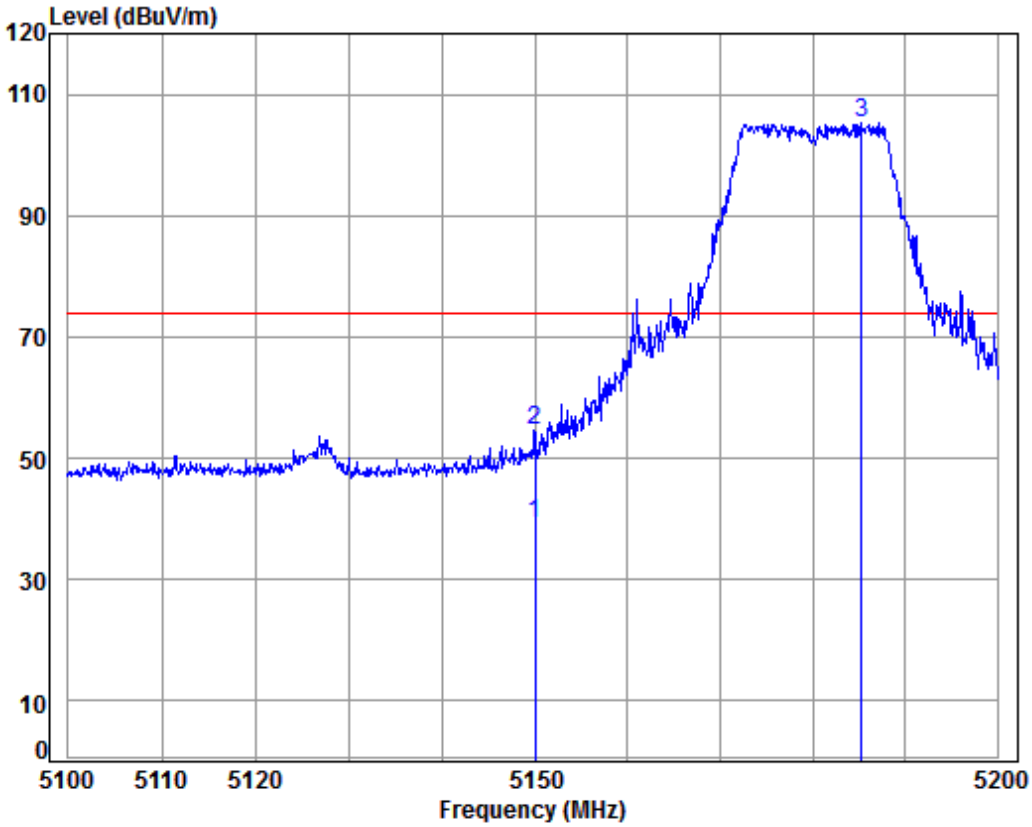
Test Setup:



Test Procedure:	a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel g. Test the EUT in the 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:

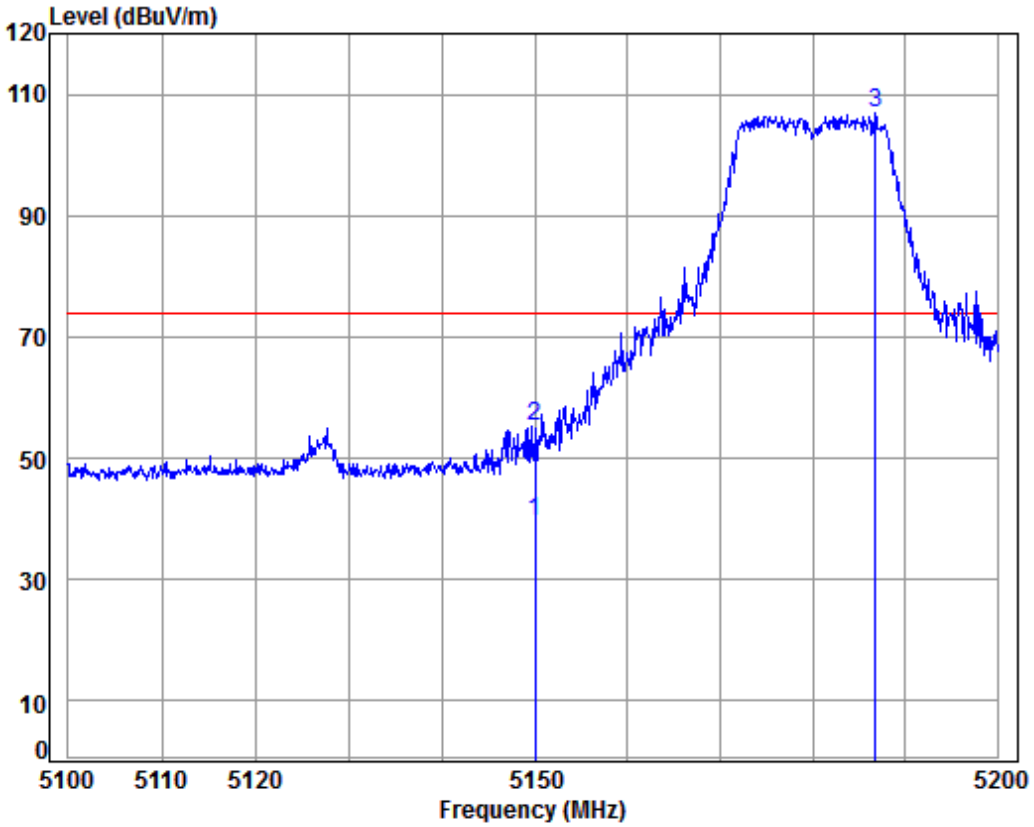
Test mode:	802.11a	Frequency(MHz):	5180	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5180 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av 5150.000	8.08	34.47	38.47	35.24	39.32	54.00	-14.68	Average
2	5150.000	8.08	34.47	38.47	50.55	54.63	74.00	-19.37	Peak
3	pp 5185.279	8.10	34.46	38.46	101.10	105.20	74.00	31.20	Peak

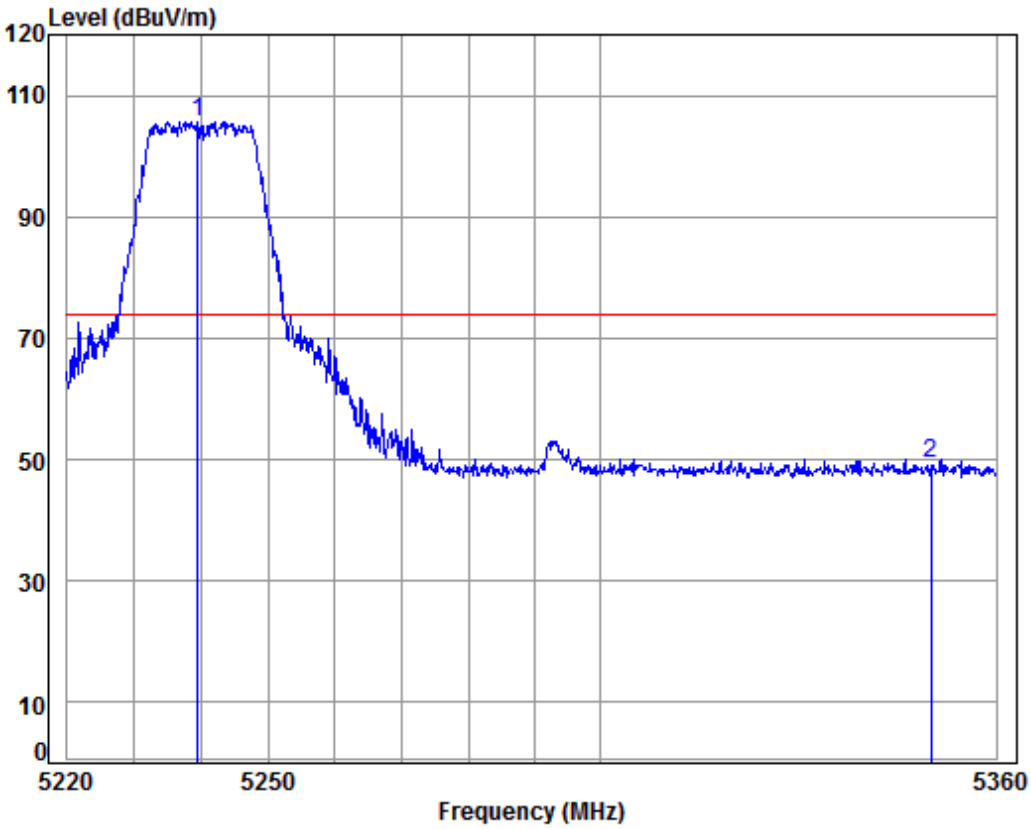
Test mode:	802.11a	Frequency(MHz):	5180	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5180 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5150.000	8.08	34.47	38.47	35.34	39.42	54.00	-14.58	Average
2	5150.000	8.08	34.47	38.47	51.21	55.29	74.00	-18.71	Peak
3 pp	5186.789	8.10	34.46	38.46	102.69	106.79	74.00	32.79	Peak

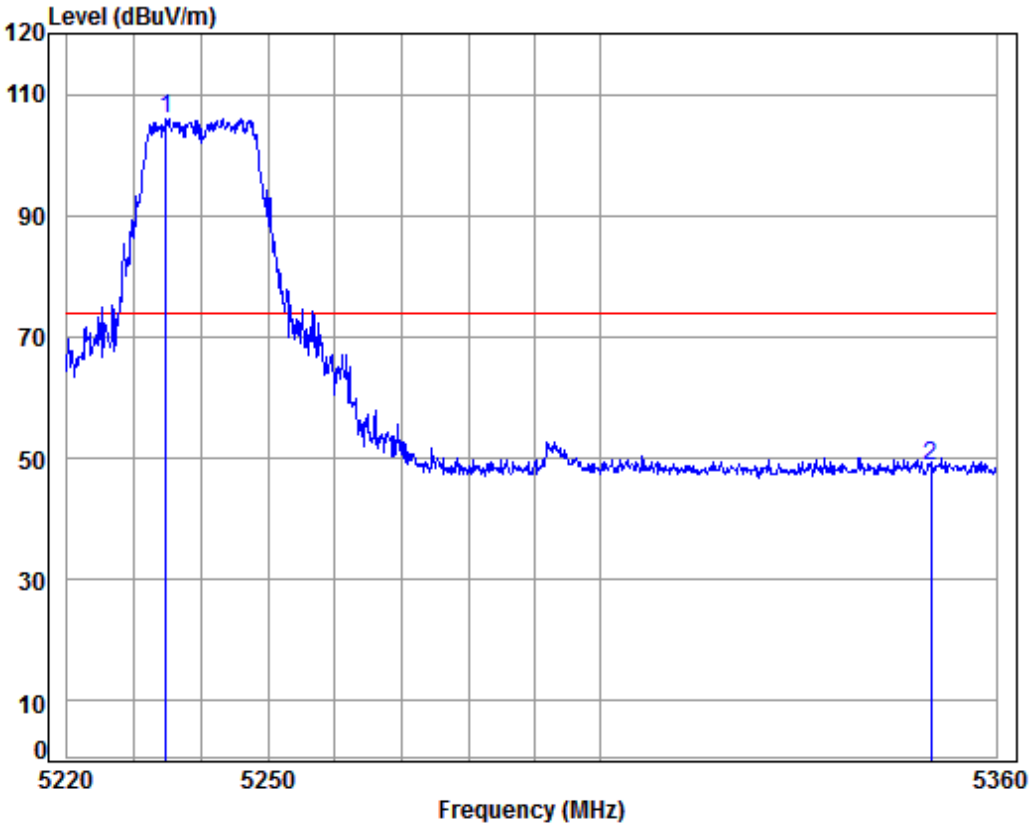
Test mode:	802.11a	Frequency(MHz):	5240	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5240 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5239.516	8.12	34.45	38.45	101.60	105.72	74.00	31.72	Peak
2	5350.000	8.18	34.43	38.43	45.20	49.38	74.00	-24.62	Peak

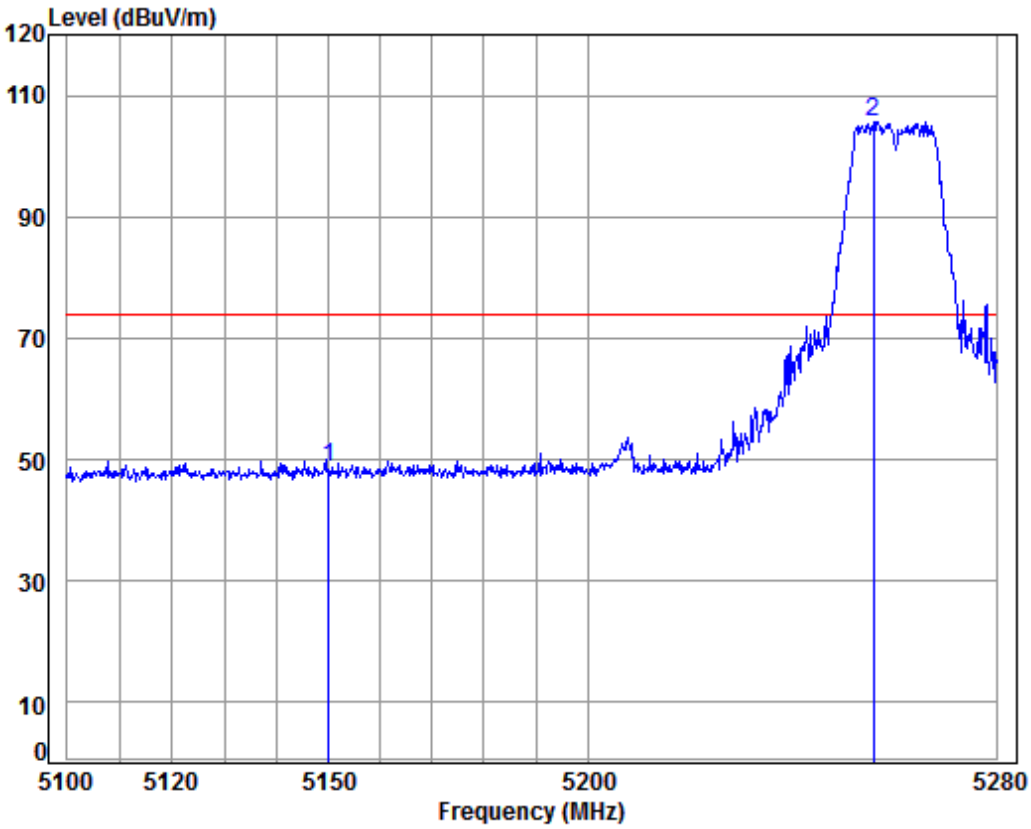
Test mode:	802.11a	Frequency(MHz):	5240	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5240 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5234.804	8.12	34.45	38.45	101.83	105.95	74.00	31.95	Peak
2	5350.000	8.18	34.43	38.43	44.64	48.82	74.00	-25.18	Peak

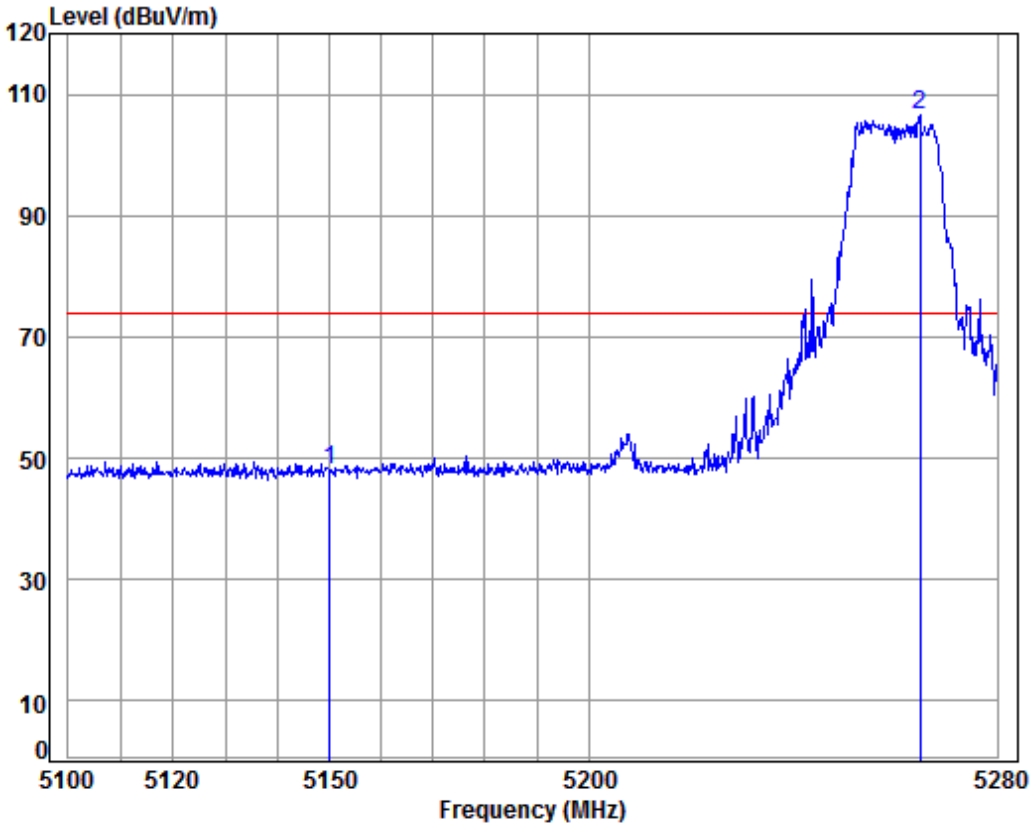
Test mode:	802.11a	Frequency(MHz):	5260	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5260 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.67	48.75	74.00	-25.25	Peak
2 pp	5255.881	8.13	34.45	38.45	101.60	105.73	74.00	31.73	Peak

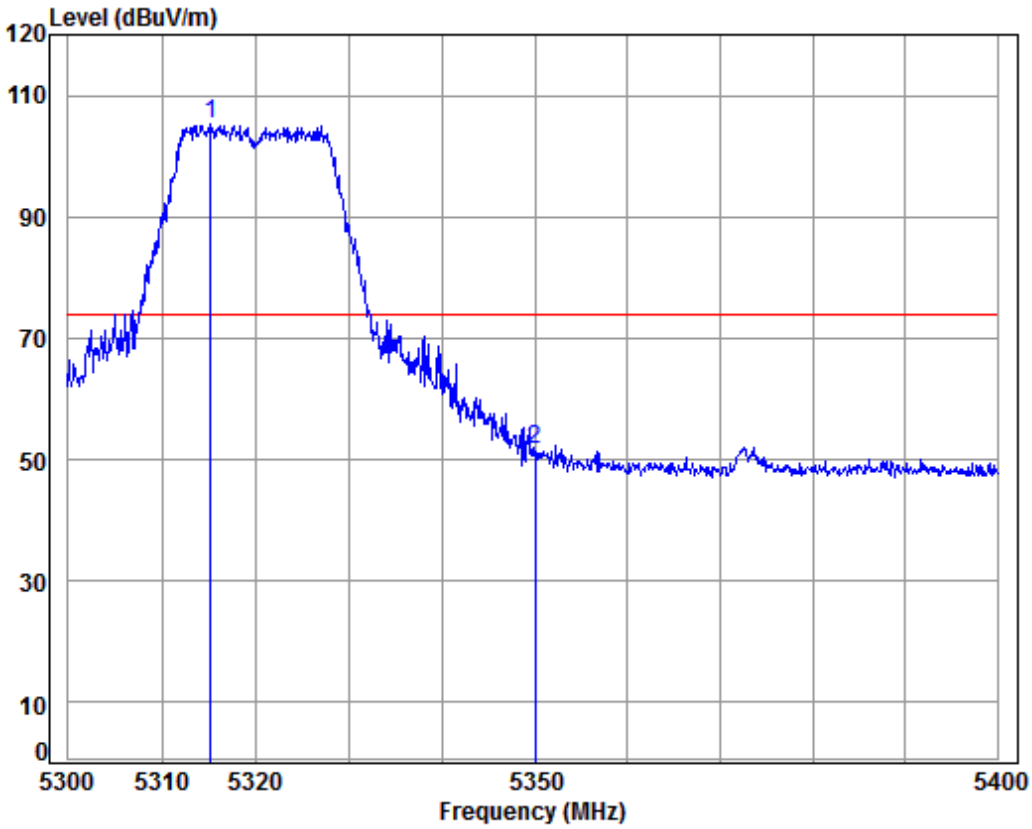
Test mode:	802.11a	Frequency(MHz):	5260	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5260 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.05	48.13	74.00	-25.87	Peak
2 pp	5264.821	8.14	34.45	38.45	102.34	106.48	74.00	32.48	Peak

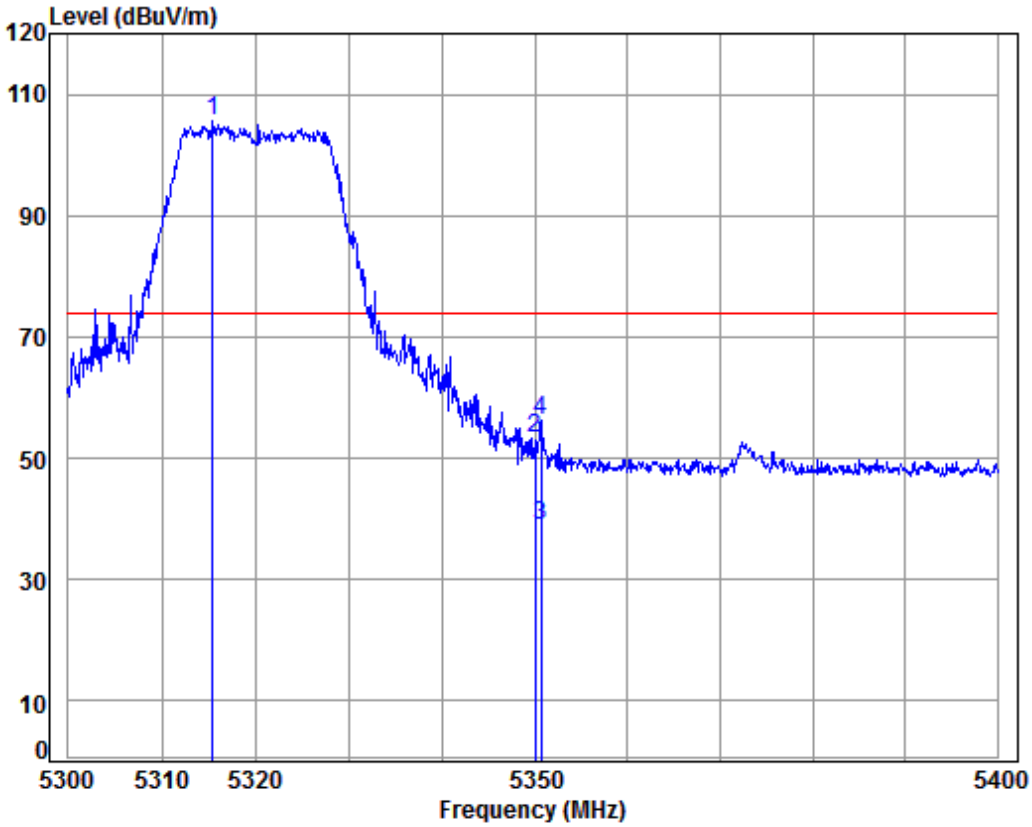
Test mode:	802.11a	Frequency(MHz):	5320	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5320 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5315.278	8.16	34.44	38.44	101.18	105.34	74.00	31.34	Peak
2	5350.000	8.18	34.43	38.43	47.46	51.64	74.00	-22.36	Peak

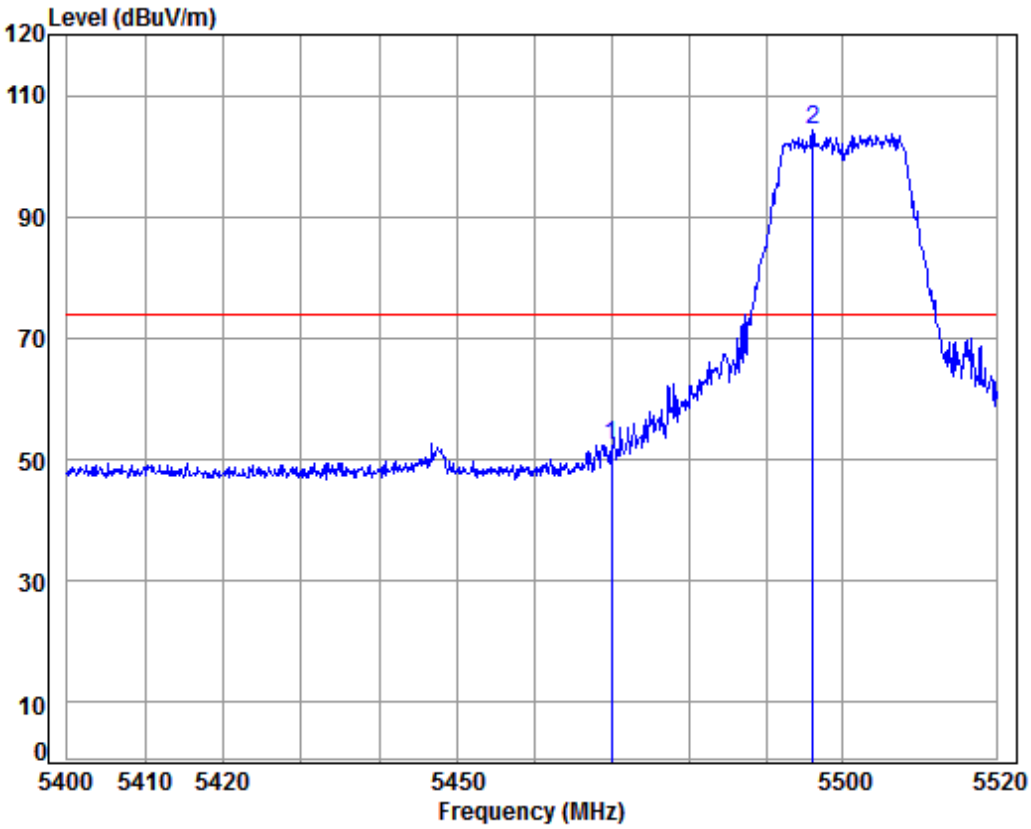
Test mode:	802.11a	Frequency(MHz):	5320	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5320 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5315.477	8.16	34.44	38.44	101.60	105.76	74.00	31.76	Peak
2	5350.000	8.18	34.43	38.43	49.28	53.46	74.00	-20.54	Peak
3	av 5350.667	8.18	34.43	38.43	34.71	38.89	54.00	-15.11	Average
4	5350.667	8.18	34.43	38.43	52.04	56.22	74.00	-17.78	Peak

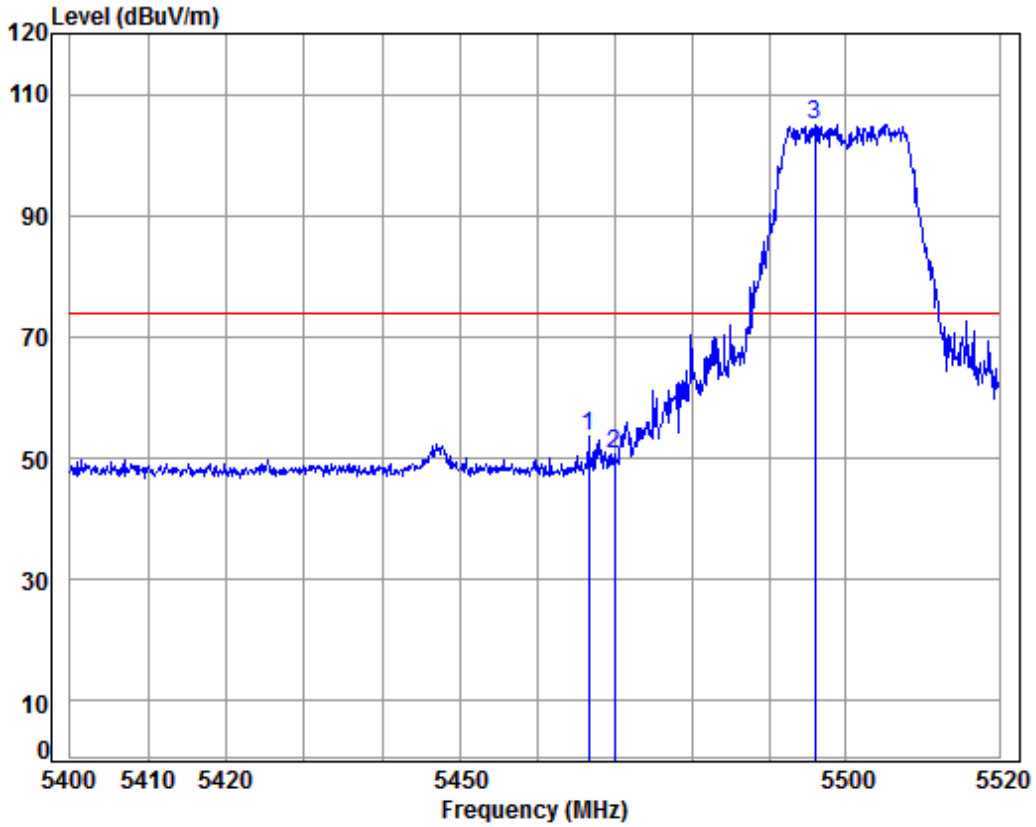
Test mode:	802.11a	Frequency(MHz):	5500	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5500 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5470.000	8.24	34.41	38.41	48.22	52.46	74.00	-21.54	Peak
2 pp	5496.151	8.25	34.40	38.40	99.96	104.21	74.00	30.21	Peak

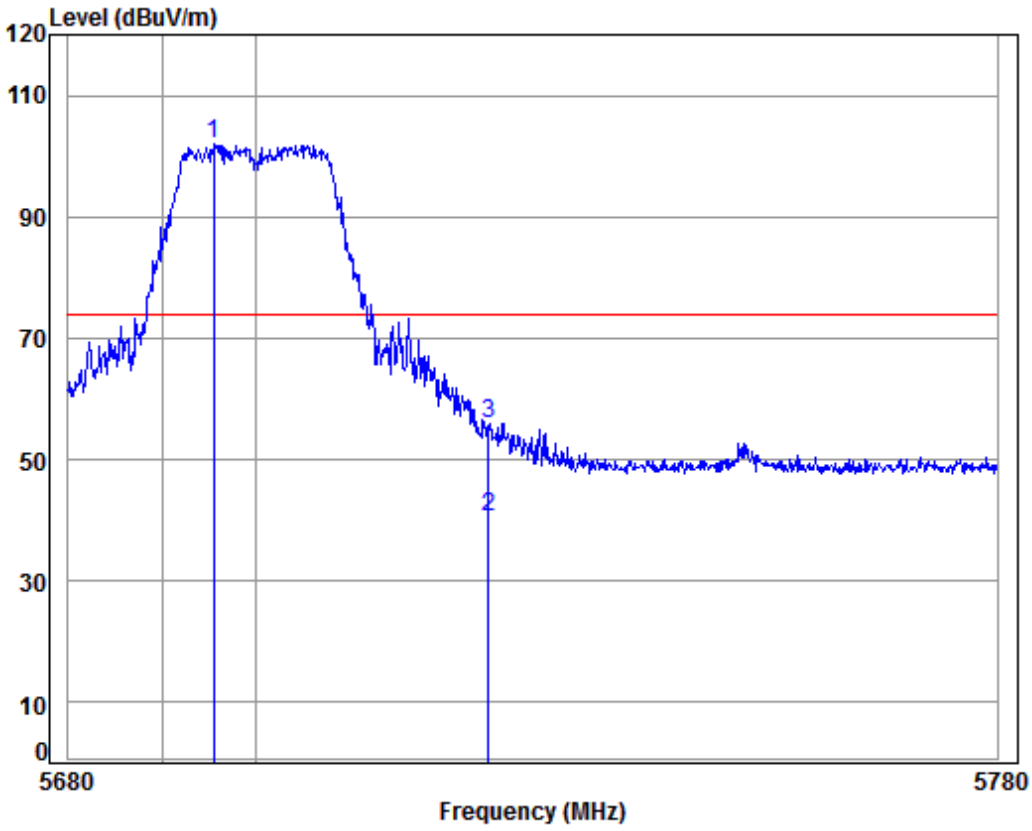
Test mode:	802.11a	Frequency(MHz):	5500	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5500 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5466.635	8.23	34.41	38.41	49.29	53.52	74.00	-20.48	Peak
2	5470.000	8.24	34.41	38.41	46.51	50.75	74.00	-23.25	Peak
3 pp	5496.030	8.25	34.40	38.40	100.77	105.02	74.00	31.02	Peak

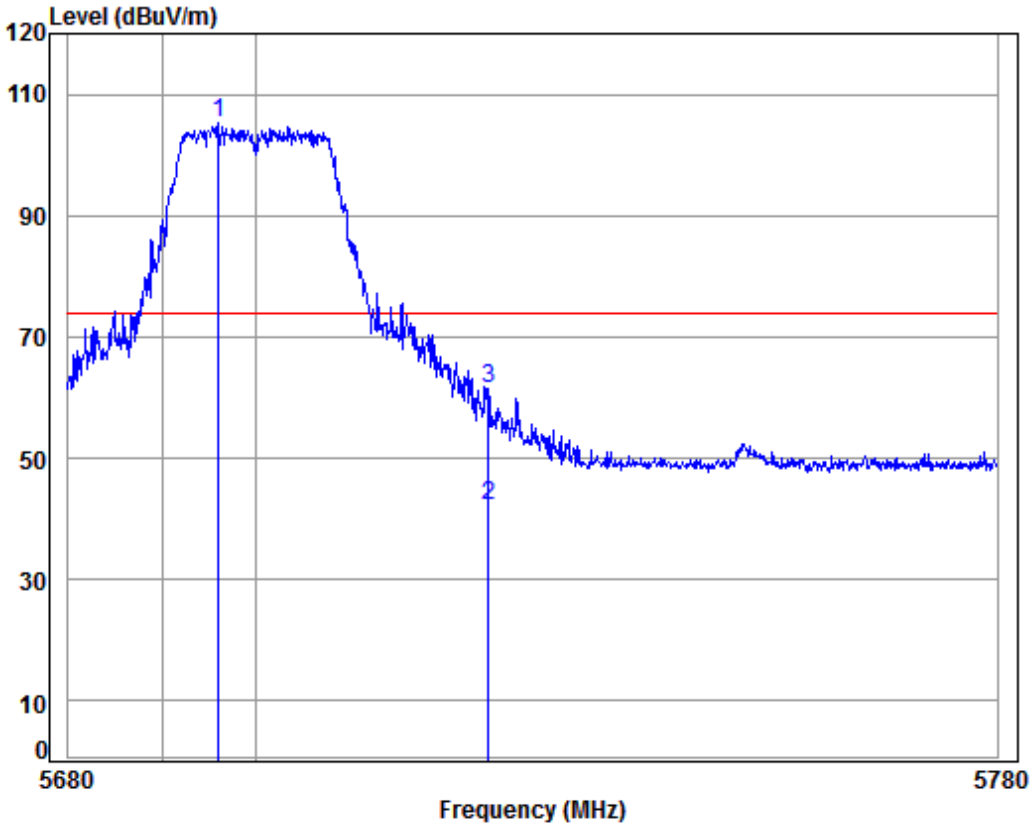
Test mode:	802.11a	Frequency(MHz):	5700	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5700 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5695.585	8.45	34.52	38.36	97.46	102.07	74.00	28.07	Peak
2	av 5725.000	8.48	34.54	38.35	35.73	40.40	54.00	-13.60	Average
3	5725.000	8.48	34.54	38.35	51.10	55.77	74.00	-18.23	Peak

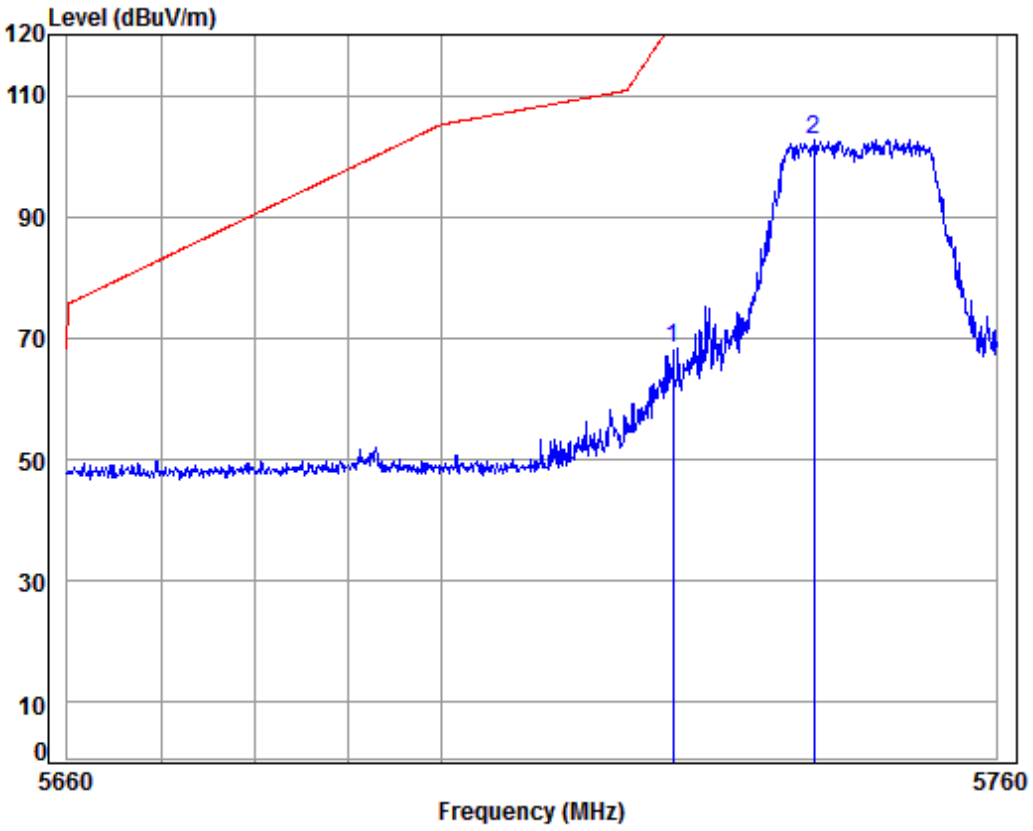
Test mode:	802.11a	Frequency(MHz):	5700	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5700 Band edge
: A20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5696.082	8.45	34.52	38.36	100.52	105.13	74.00	31.13	Peak
2	av	5725.000	8.48	34.54	38.35	37.58	42.25	54.00	-11.75	Average
3		5725.000	8.48	34.54	38.35	56.85	61.52	74.00	-12.48	Peak

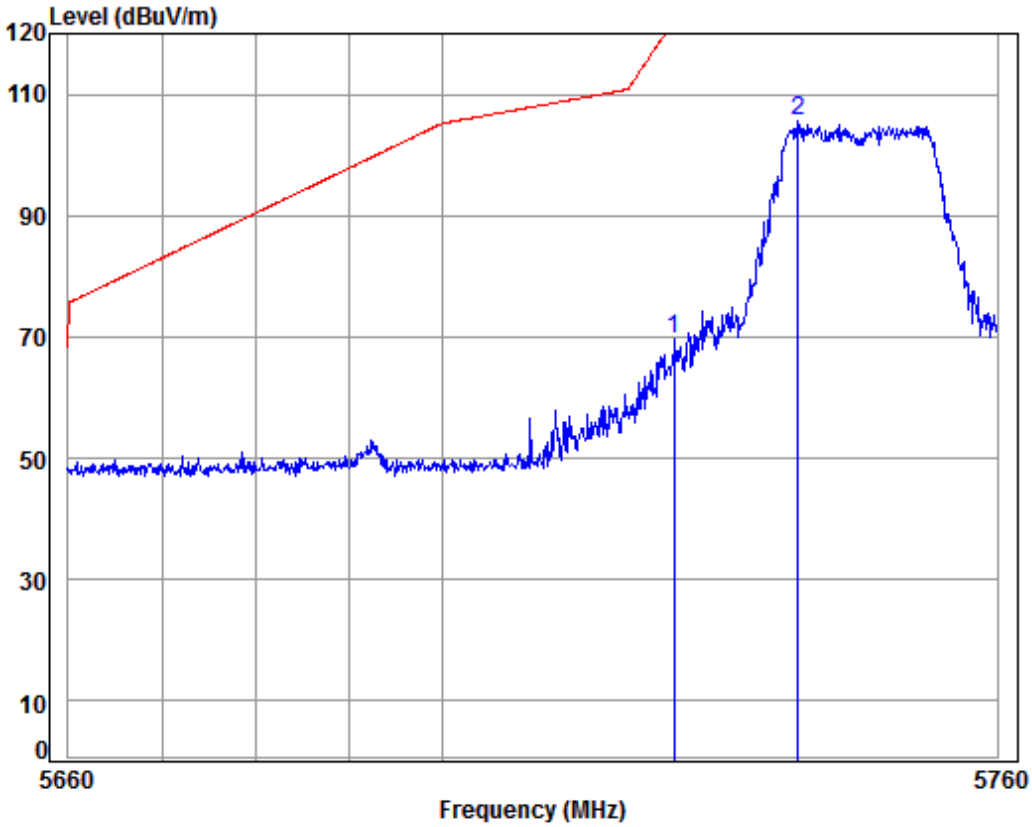
Test mode:	802.11a	Frequency(MHz):	5745	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5745 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	63.59	68.26	122.20	-53.94	Peak
2 pp	5740.262	8.50	34.55	38.35	97.91	102.61	125.20	-22.59	Peak

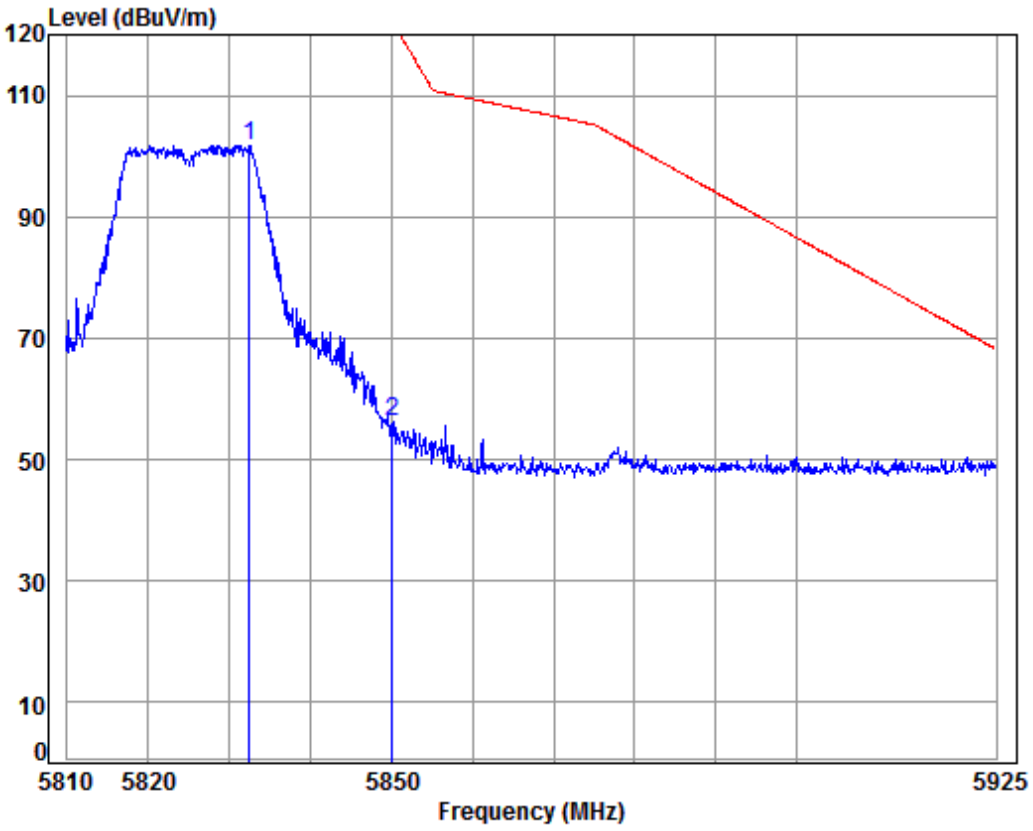
Test mode:	802.11a	Frequency(MHz):	5745	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5745 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	65.04	69.71	122.20	-52.49	Peak
2 pp	5738.453	8.49	34.55	38.35	100.91	105.60	125.20	-19.60	Peak

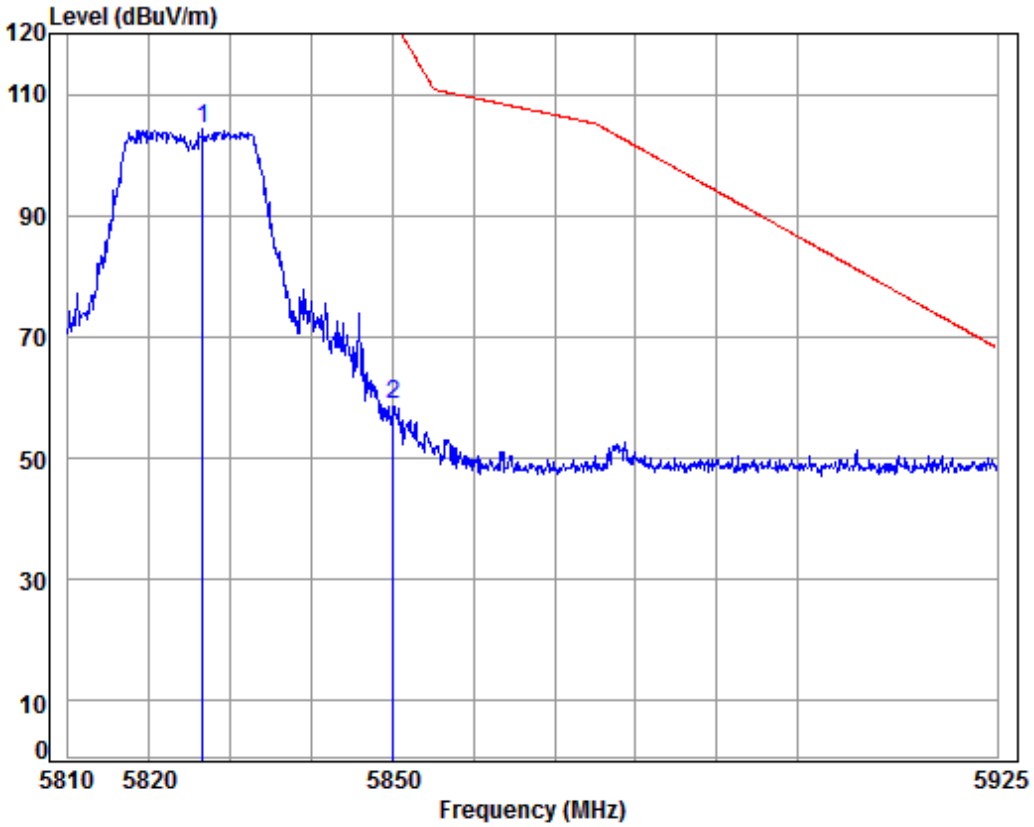
Test mode:	802.11a	Frequency(MHz):	5825	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5825 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5832.363	8.59	34.60	38.33	96.98	101.84	125.20	-23.36	Peak
2	5850.000	8.60	34.61	38.33	51.25	56.13	122.20	-66.07	Peak

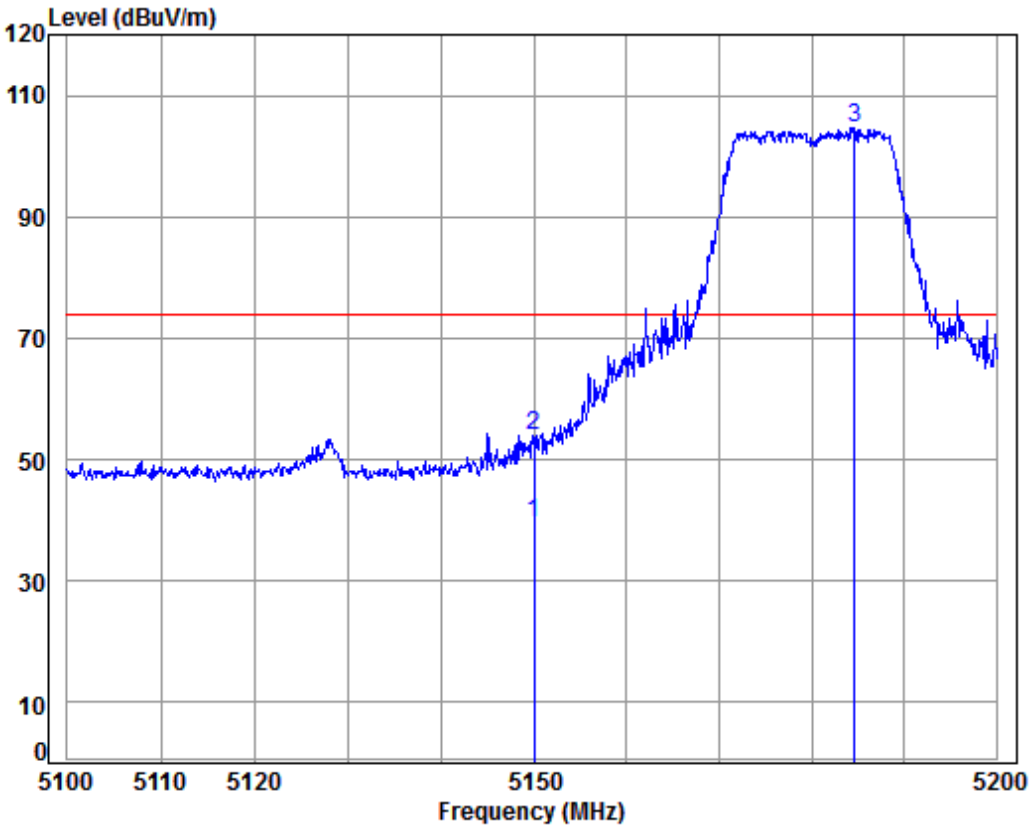
Test mode:	802.11a	Frequency(MHz):	5825	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5825 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5826.536	8.58	34.60	38.33	99.52	104.37	125.20	-20.83	Peak
2	5850.000	8.60	34.61	38.33	54.11	58.99	122.20	-63.21	Peak

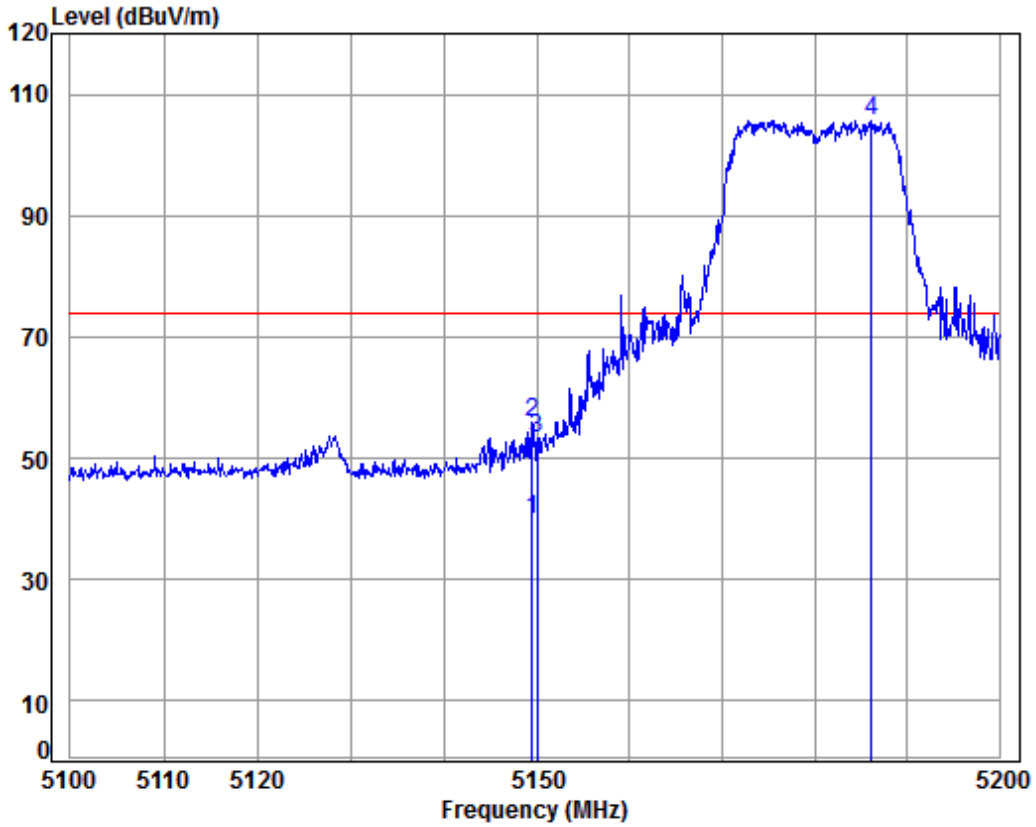
Test mode:	802.11n(HT20)	Frequency(MHz):	5180	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5180 Band edge
: N20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av	5150.000	8.08	34.47	38.47	35.60	39.68	54.00	-14.32	Average
2		5150.000	8.08	34.47	38.47	50.01	54.09	74.00	-19.91	Peak
3	pp	5184.675	8.10	34.46	38.46	100.60	104.70	74.00	30.70	Peak

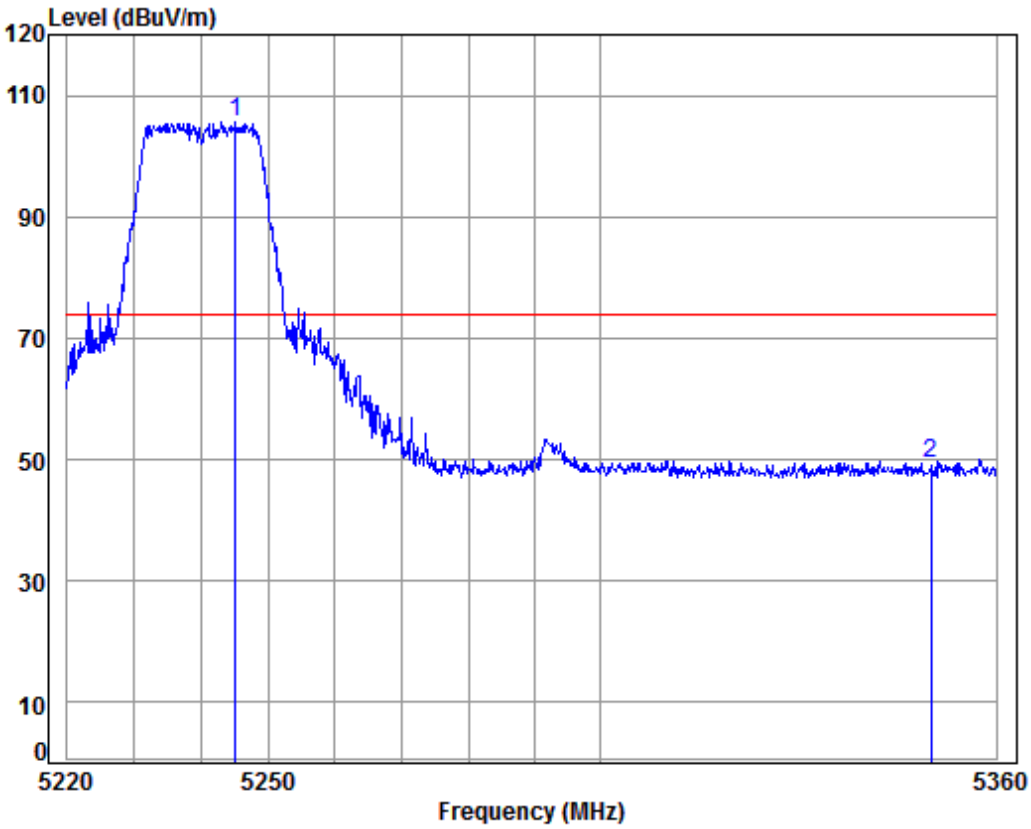
Test mode:	802.11n(HT20)	Frequency(MHz):	5180	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5180 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av 5149.458	8.08	34.47	38.47	35.93	40.01	54.00	-13.99	Average
2	5149.458	8.08	34.47	38.47	51.98	56.06	74.00	-17.94	Peak
3	5150.000	8.08	34.47	38.47	49.24	53.32	74.00	-20.68	Peak
4	pp 5186.185	8.10	34.46	38.46	101.56	105.66	74.00	31.66	Peak

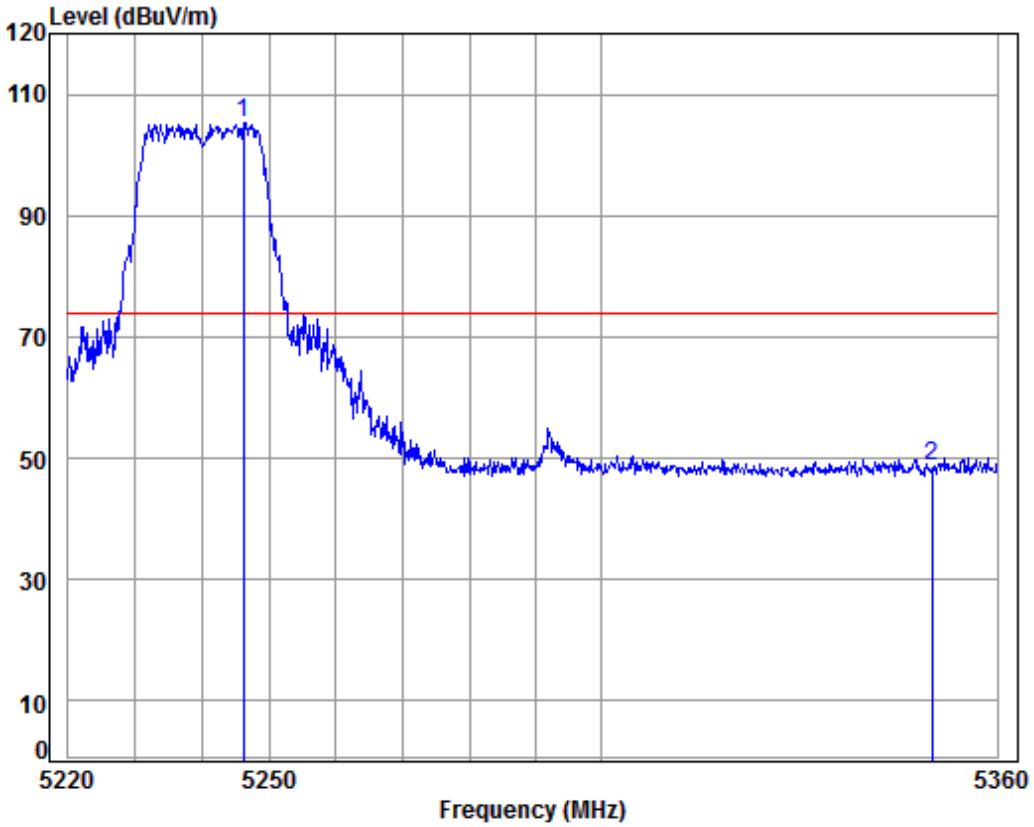
Test mode:	802.11n(HT20)	Frequency(MHz):	5240	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5240 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5245.066	8.13	34.45	38.45	101.53	105.66	74.00	31.66	Peak
2	5350.000	8.18	34.43	38.43	45.08	49.26	74.00	-24.74	Peak

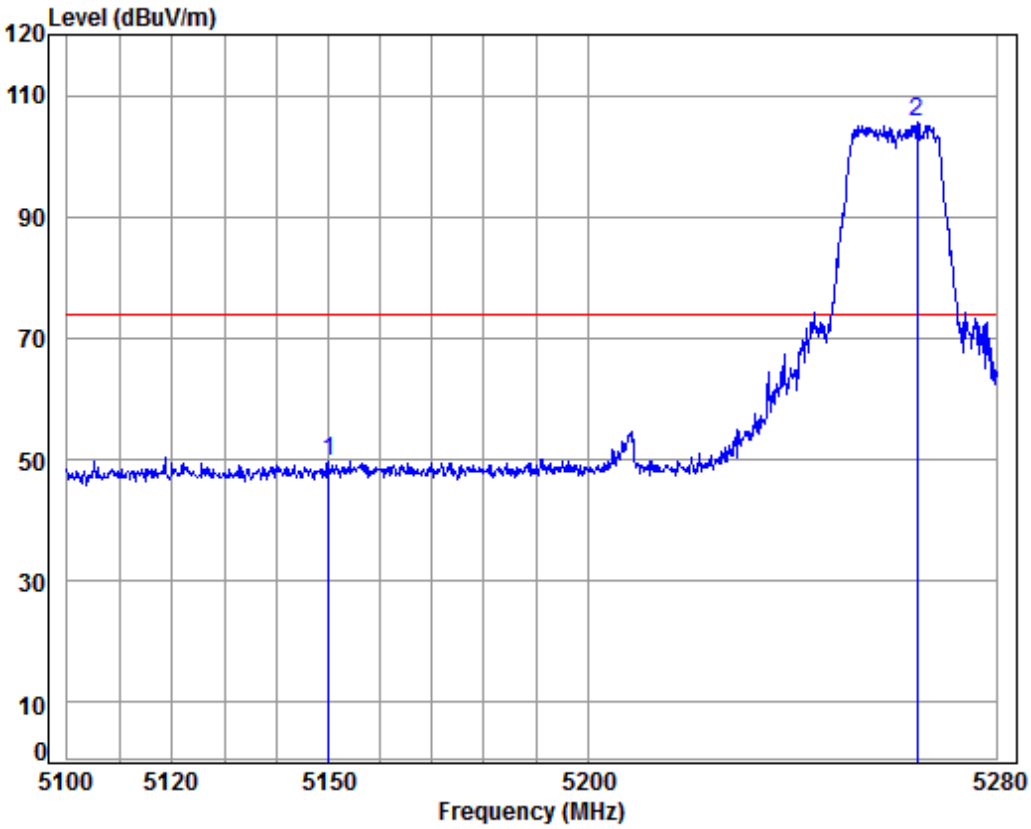
Test mode:	802.11n(HT20)	Frequency(MHz):	5240	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5240 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5246.177	8.13	34.45	38.45	101.20	105.33	74.00	31.33	Peak
2	5350.000	8.18	34.43	38.43	44.48	48.66	74.00	-25.34	Peak

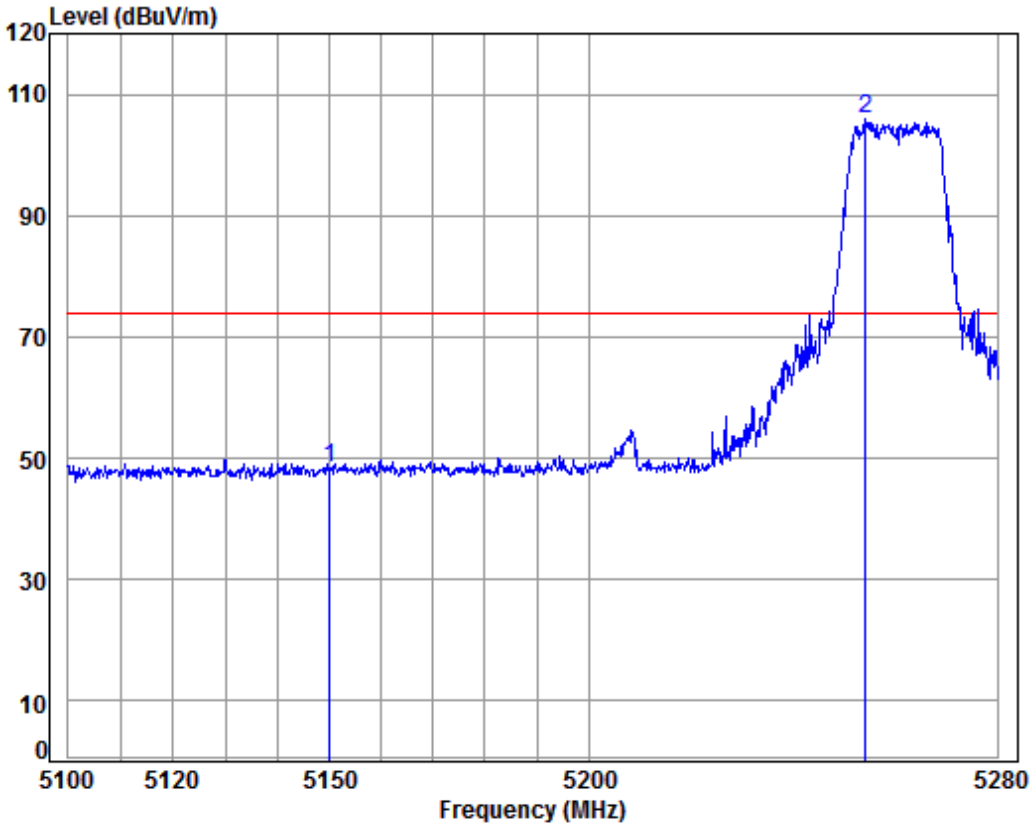
Test mode:	802.11n(HT20)	Frequency(MHz):	5260	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5260 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.55	49.63	74.00	-24.37	Peak
2 pp	5264.456	8.14	34.45	38.45	101.36	105.50	74.00	31.50	Peak

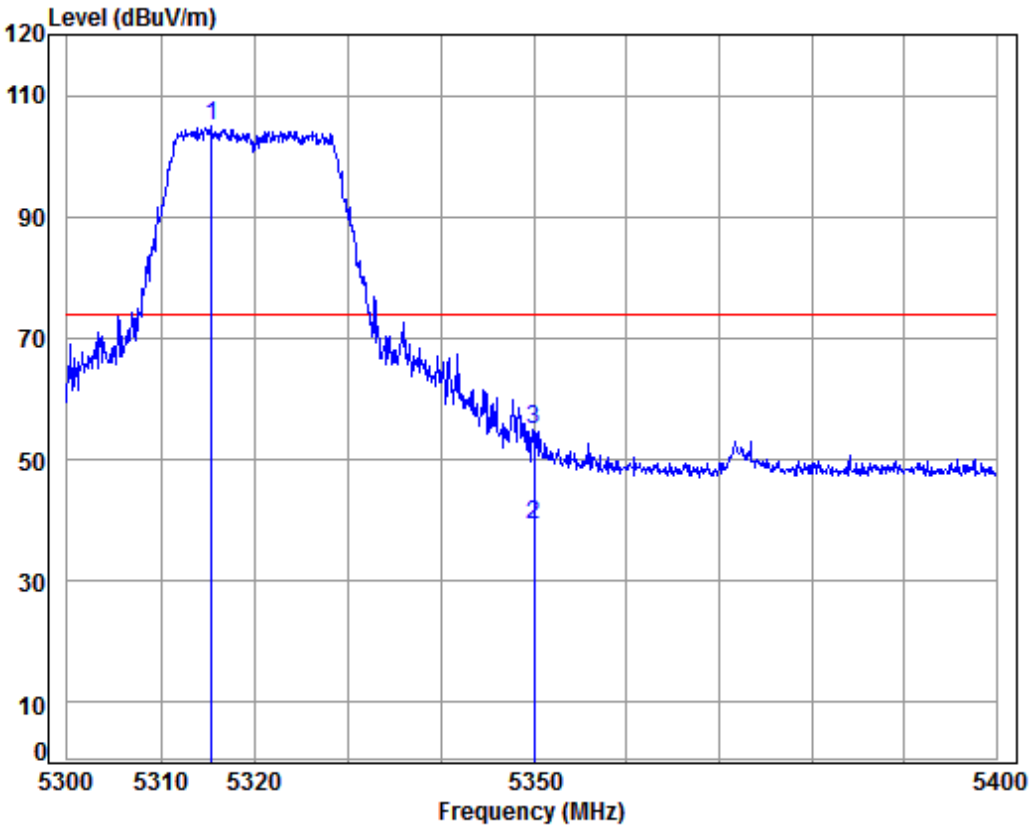
Test mode:	802.11n(HT20)	Frequency(MHz):	5260	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5260 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.33	48.41	74.00	-25.59	Peak
2 pp	5254.058	8.13	34.45	38.45	101.66	105.79	74.00	31.79	Peak

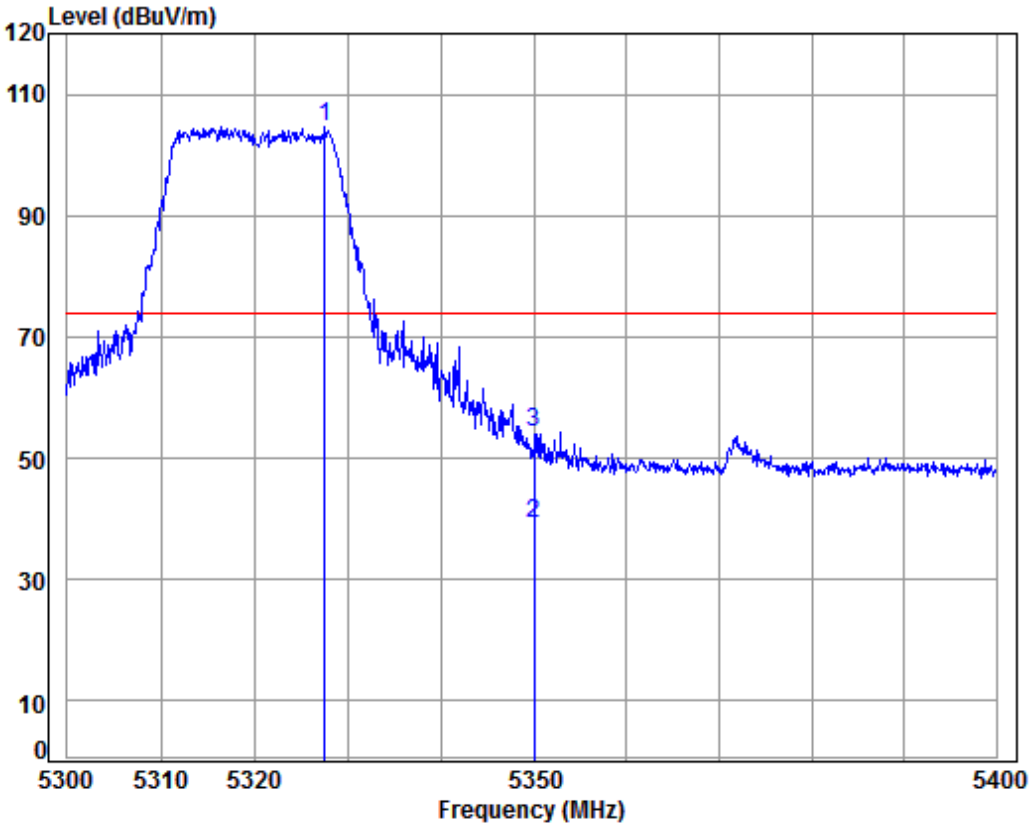
Test mode:	802.11n(HT20)	Frequency(MHz):	5320	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5320 Band edge
: N20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5315.477	8.16	34.44	38.44	100.77	104.93	74.00	30.93	Peak
2	av	5350.000	8.18	34.43	38.43	35.21	39.39	54.00	-14.61	Average
3		5350.000	8.18	34.43	38.43	50.74	54.92	74.00	-19.08	Peak

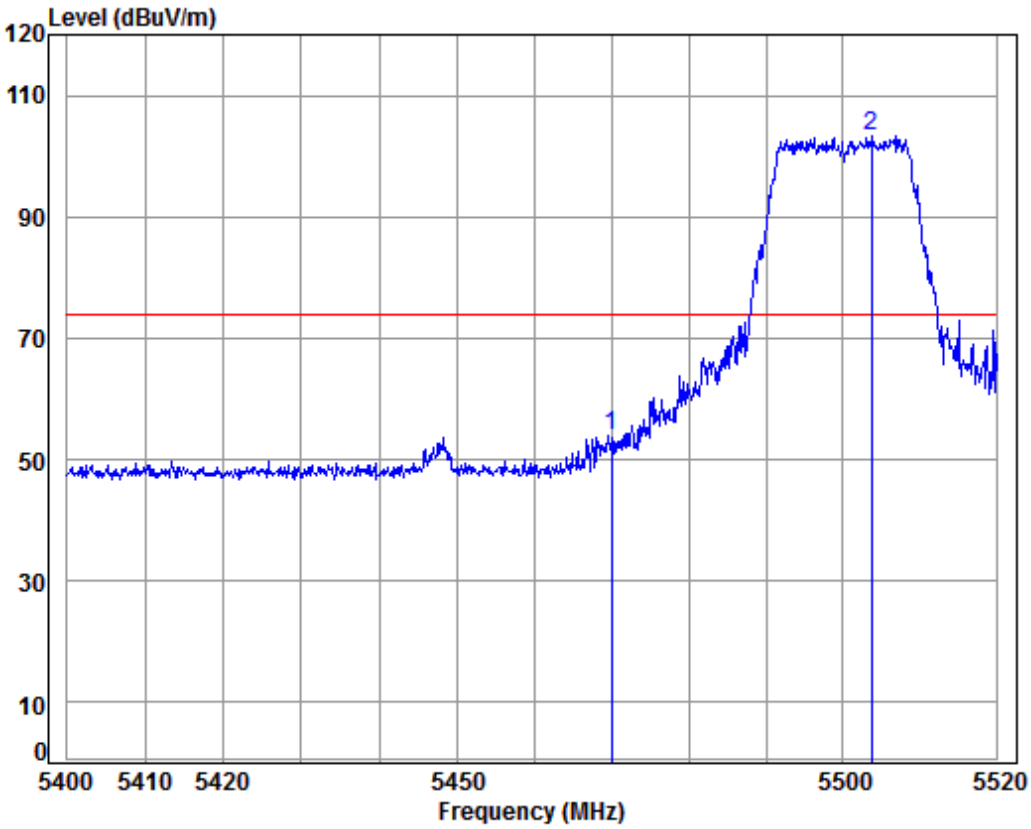
Test mode:	802.11n(HT20)	Frequency(MHz):	5320	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5320 Band edge
: N20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5327.513	8.17	34.43	38.43	100.54	104.71	74.00	30.71	Peak
2	av	5350.000	8.18	34.43	38.43	34.92	39.10	54.00	-14.90	Average
3		5350.000	8.18	34.43	38.43	50.15	54.33	74.00	-19.67	Peak

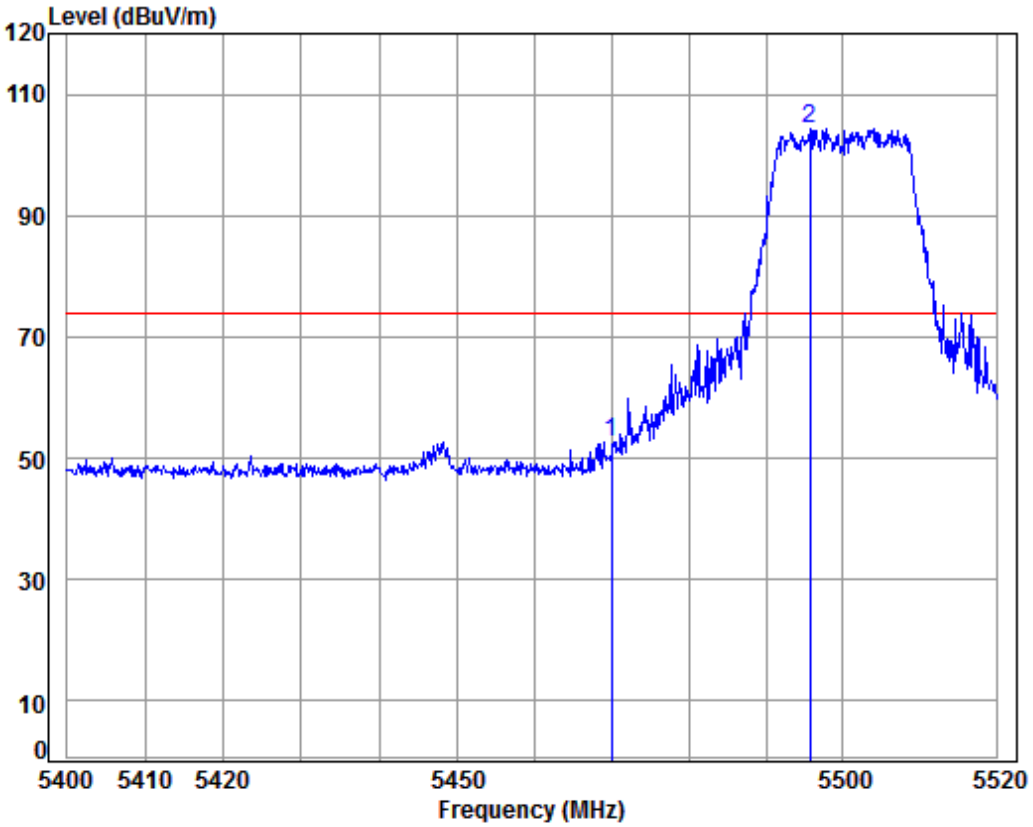
Test mode:	802.11n(HT20)	Frequency(MHz):	5500	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5500 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5470.000	8.24	34.41	38.41	49.57	53.81	74.00	-20.19	Peak
2 pp	5503.767	8.25	34.40	38.40	99.13	103.38	74.00	29.38	Peak

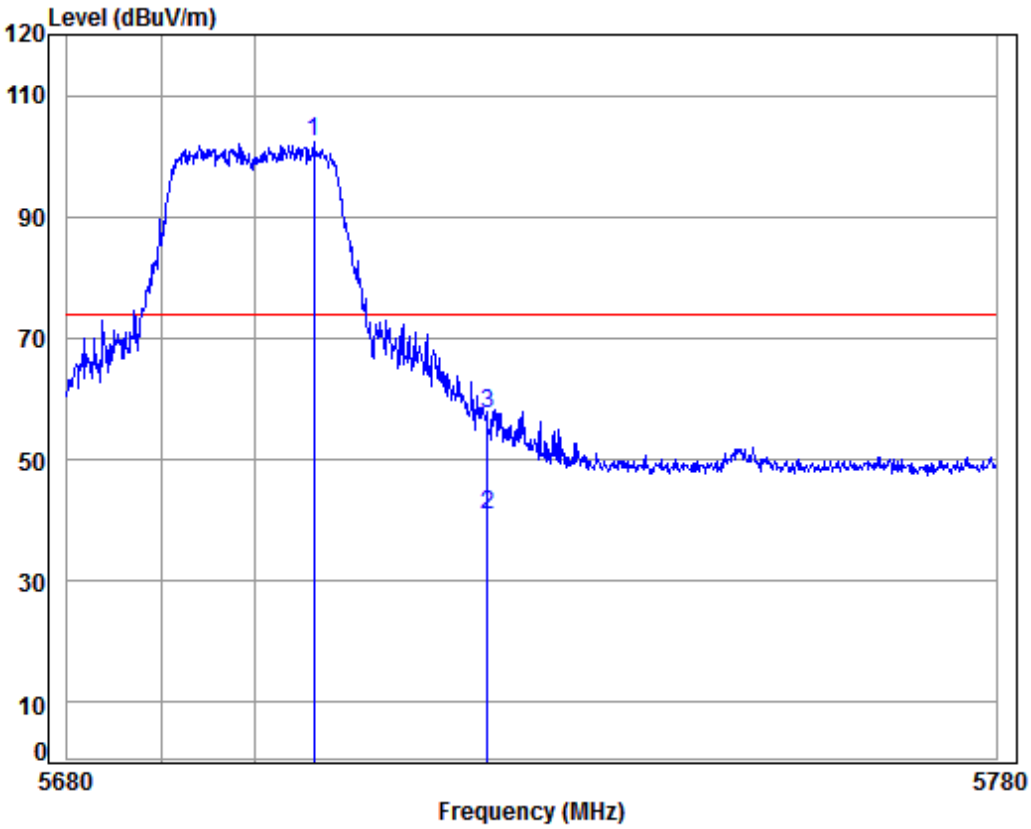
Test mode:	802.11n(HT20)	Frequency(MHz):	5500	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5500 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5470.000	8.24	34.41	38.41	48.56	52.80	74.00	-21.20	Peak
2 pp	5495.668	8.25	34.40	38.40	100.16	104.41	74.00	30.41	Peak

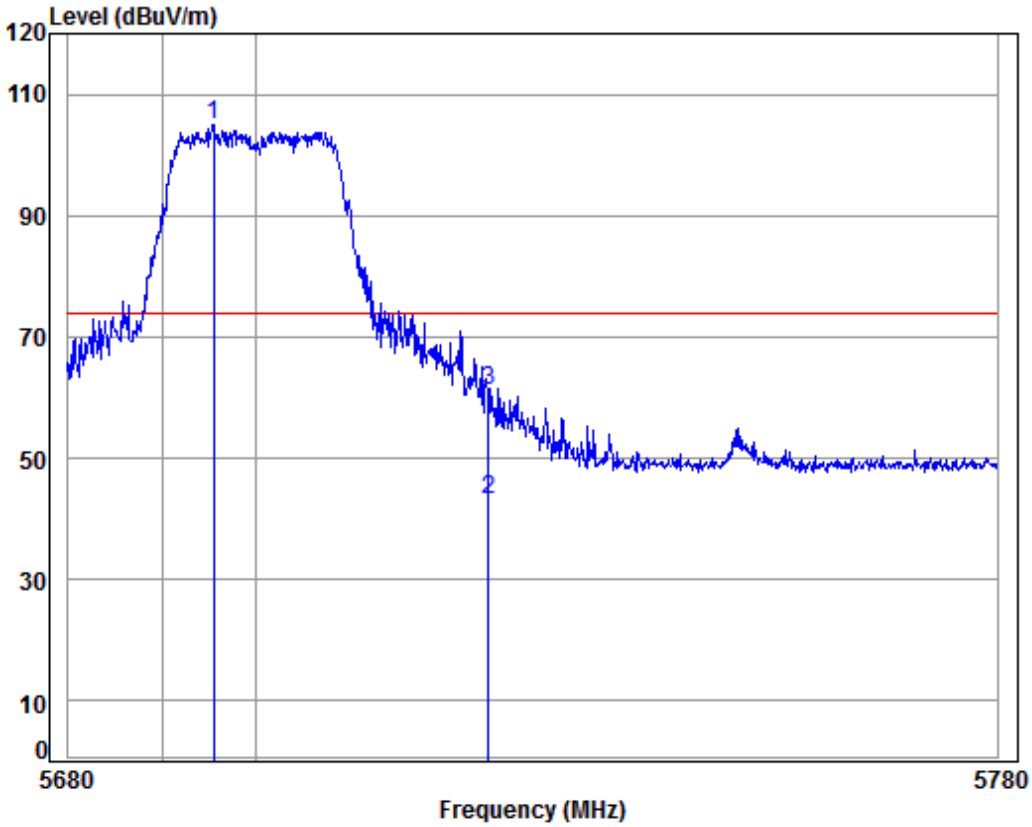
Test mode:	802.11n(HT20)	Frequency(MHz):	5700	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5700 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5706.430	8.46	34.53	38.36	97.63	102.26	74.00	28.26	Peak
2	av 5725.000	8.48	34.54	38.35	36.30	40.97	54.00	-13.03	Average
3	5725.000	8.48	34.54	38.35	52.81	57.48	74.00	-16.52	Peak

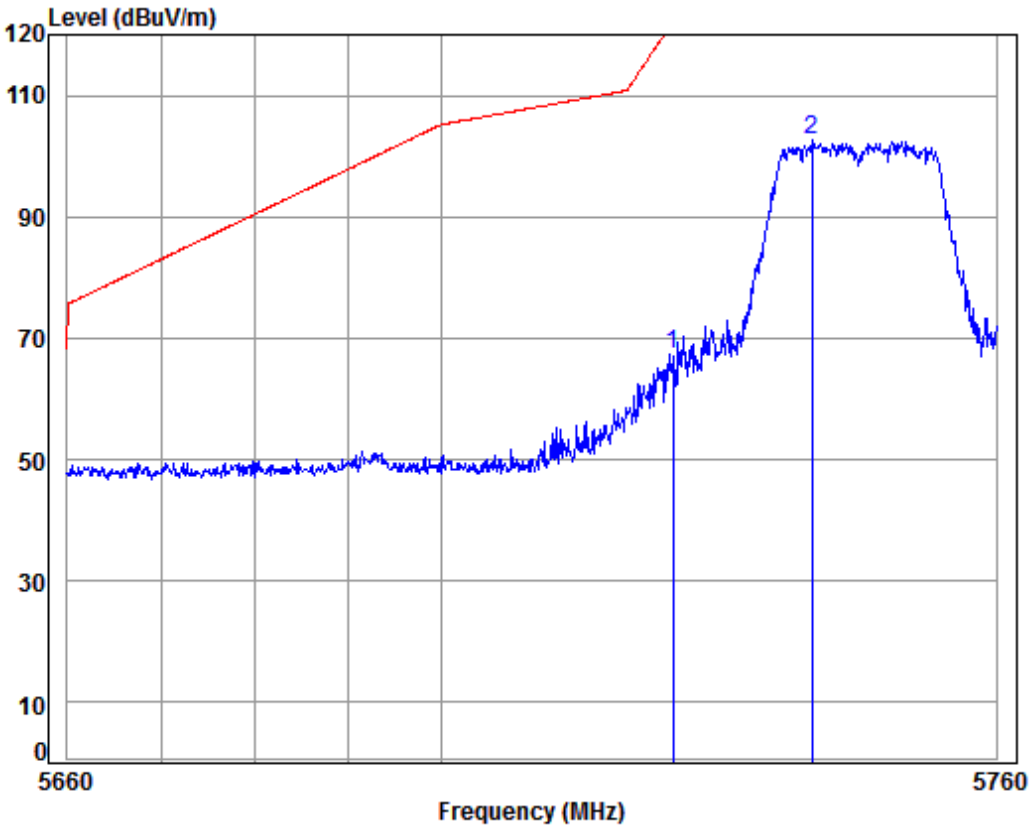
Test mode:	802.11n(HT20)	Frequency(MHz):	5700	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5700 Band edge
: N20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5695.585	8.45	34.52	38.36	100.29	104.90	74.00	30.90	Peak
2	av	5725.000	8.48	34.54	38.35	38.61	43.28	54.00	-10.72	Average
3		5725.000	8.48	34.54	38.35	56.60	61.27	74.00	-12.73	Peak

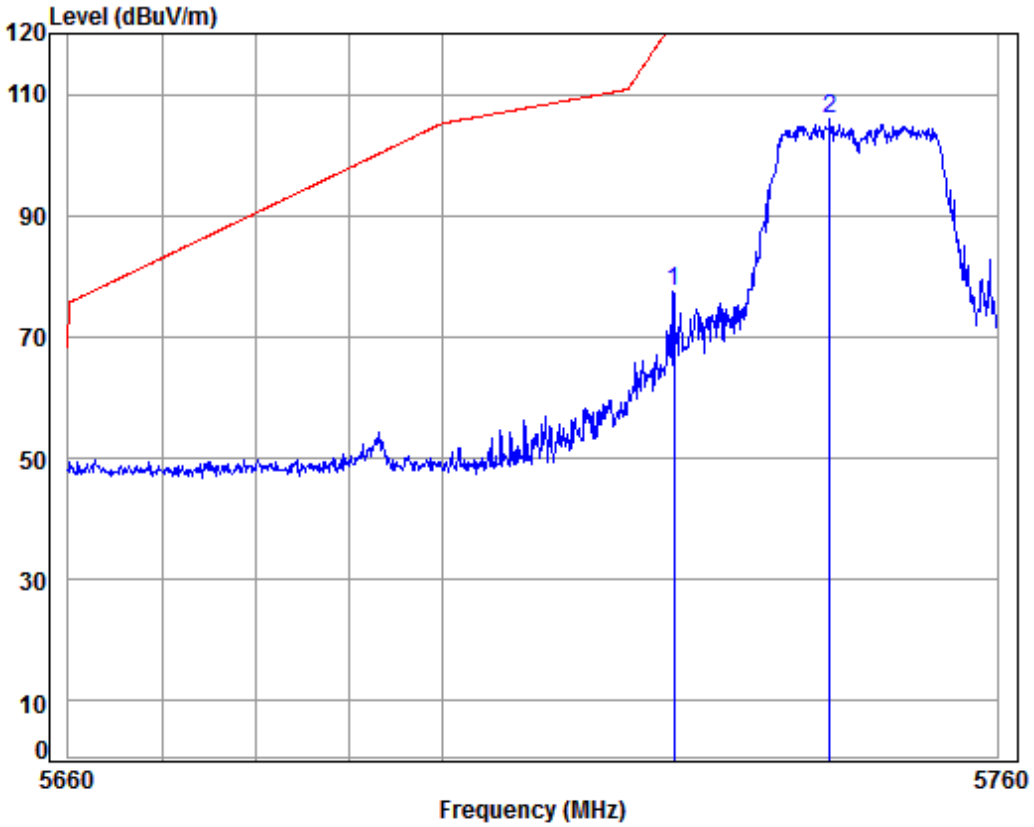
Test mode:	802.11n(HT20)	Frequency(MHz):	5745	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5745 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	62.80	67.47	122.20	-54.73	Peak
2 pp	5740.061	8.50	34.55	38.35	97.89	102.59	125.20	-22.61	Peak

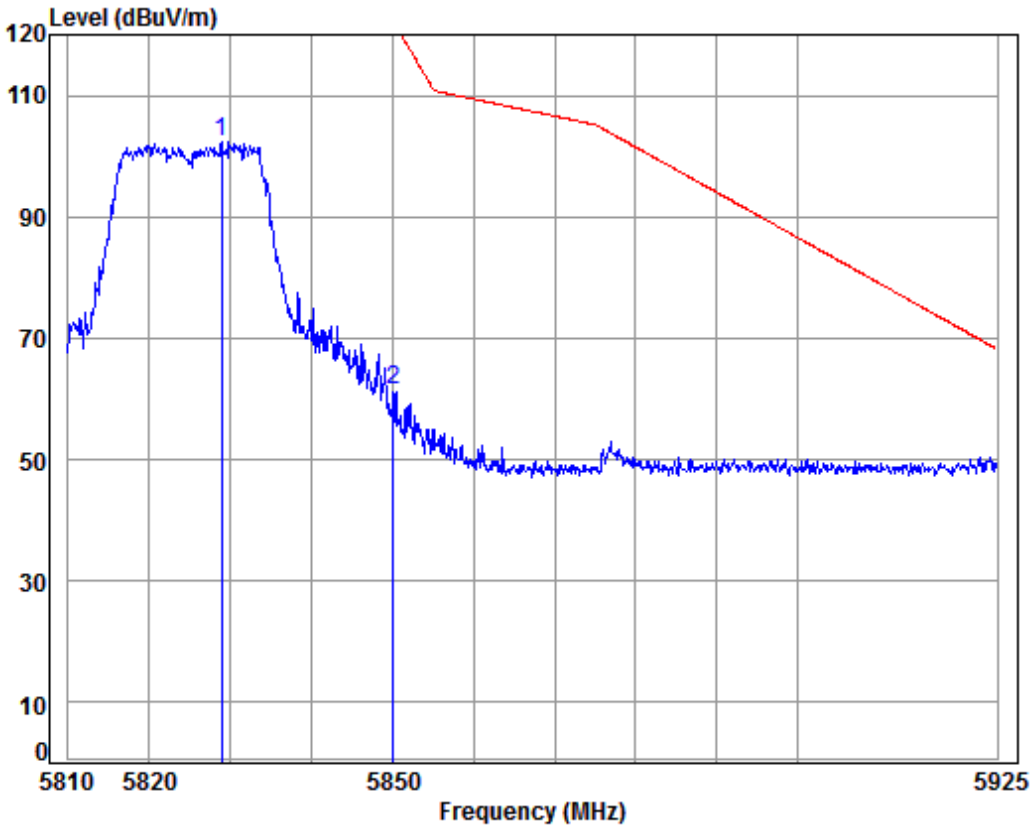
Test mode:	802.11n(HT20)	Frequency(MHz):	5745	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5745 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	72.70	77.37	122.20	-44.83	Peak
2 pp	5741.871	8.50	34.55	38.35	101.28	105.98	125.20	-19.22	Peak

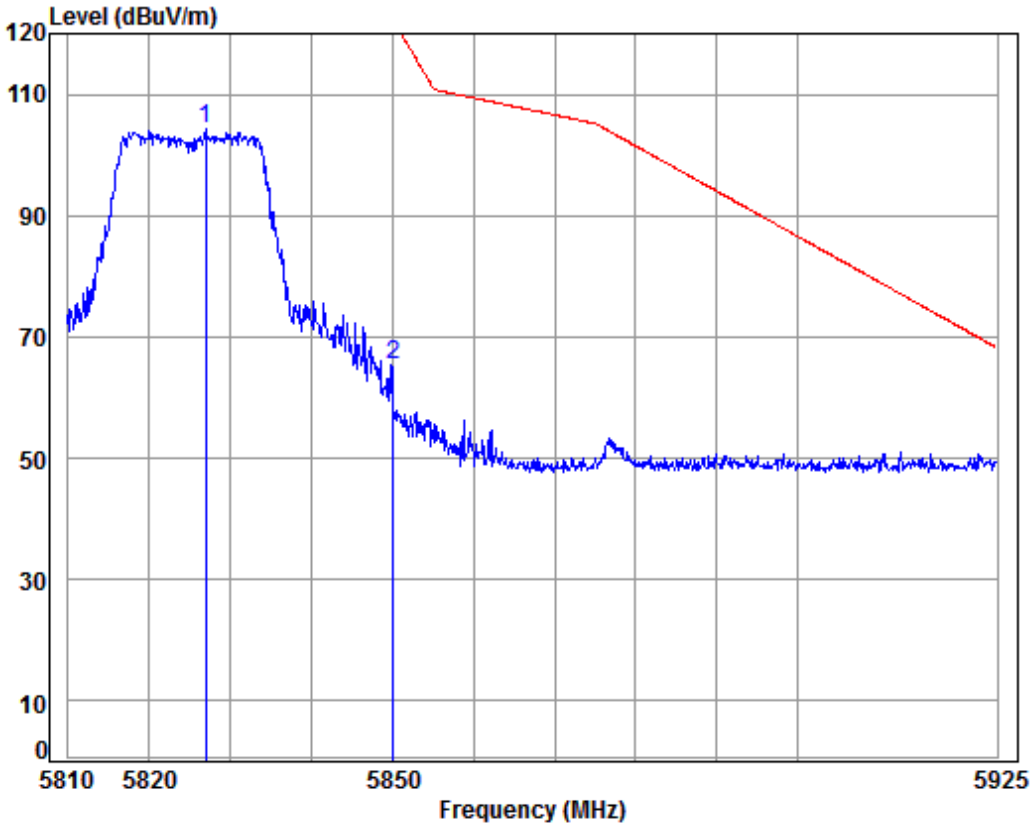
Test mode:	802.11n(HT20)	Frequency(MHz):	5825	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5825 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5828.820	8.58	34.60	38.33	97.43	102.28	125.20	-22.92	Peak
2	5850.000	8.60	34.61	38.33	56.69	61.57	122.20	-60.63	Peak

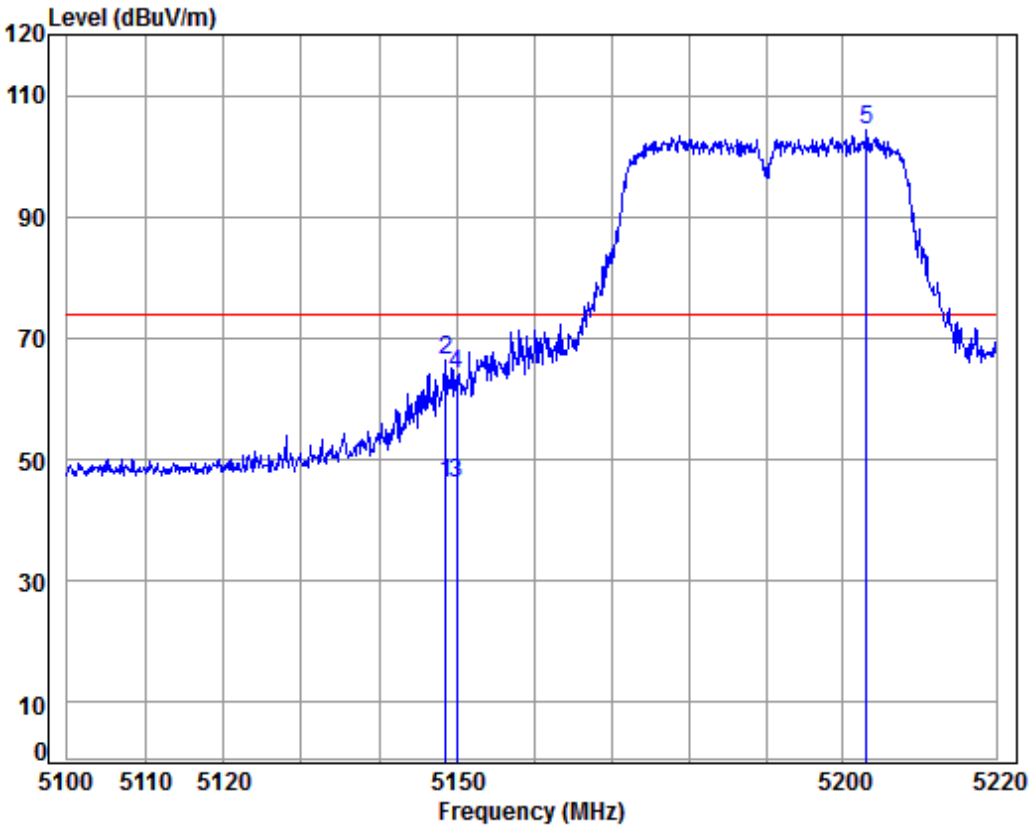
Test mode:	802.11n(HT20)	Frequency(MHz):	5825	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5825 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5826.878	8.58	34.60	38.33	99.38	104.23	125.20	-20.97	Peak
2	5850.000	8.60	34.61	38.33	60.39	65.27	122.20	-56.93	Peak

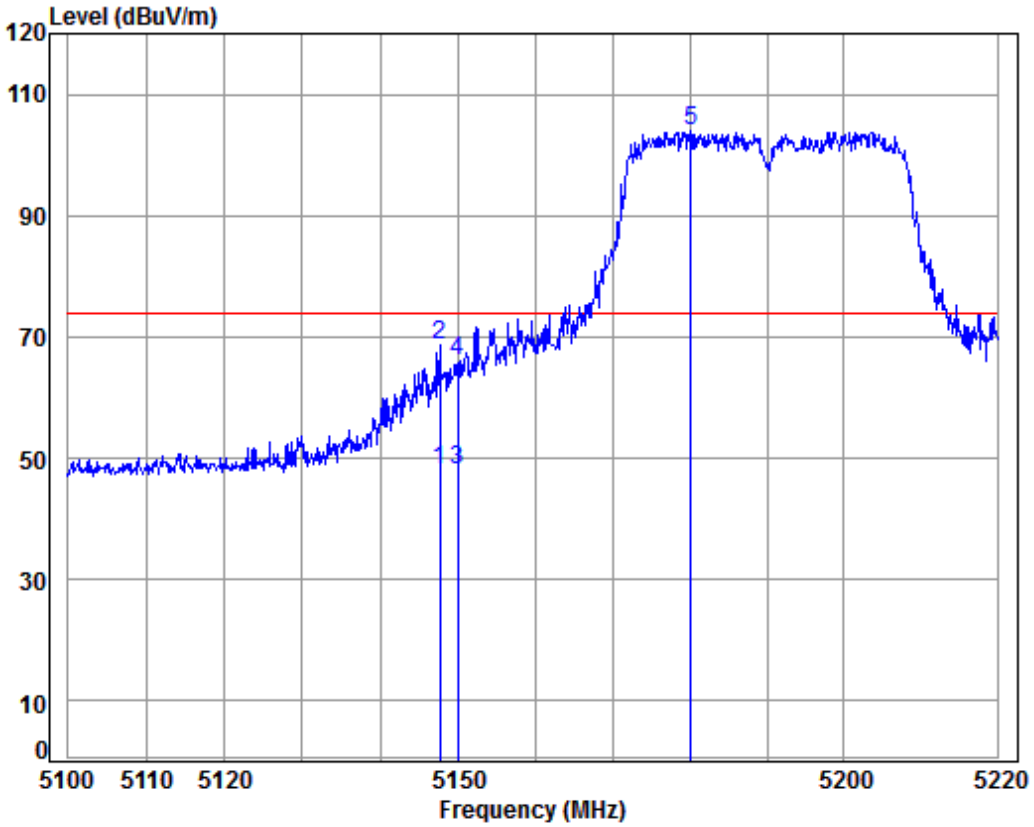
Test mode:	802.11n(HT40)	Frequency(MHz):	5190	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5190 Band edge
: N40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av	5148.623	8.08	34.47	38.47	42.14	46.22	54.00	-7.78	Average
2		5148.623	8.08	34.47	38.47	62.25	66.33	74.00	-7.67	Peak
3		5150.000	8.08	34.47	38.47	41.93	46.01	54.00	-7.99	Average
4		5150.000	8.08	34.47	38.47	60.03	64.11	74.00	-9.89	Peak
5	pp	5203.032	8.10	34.46	38.46	100.35	104.45	74.00	30.45	Peak

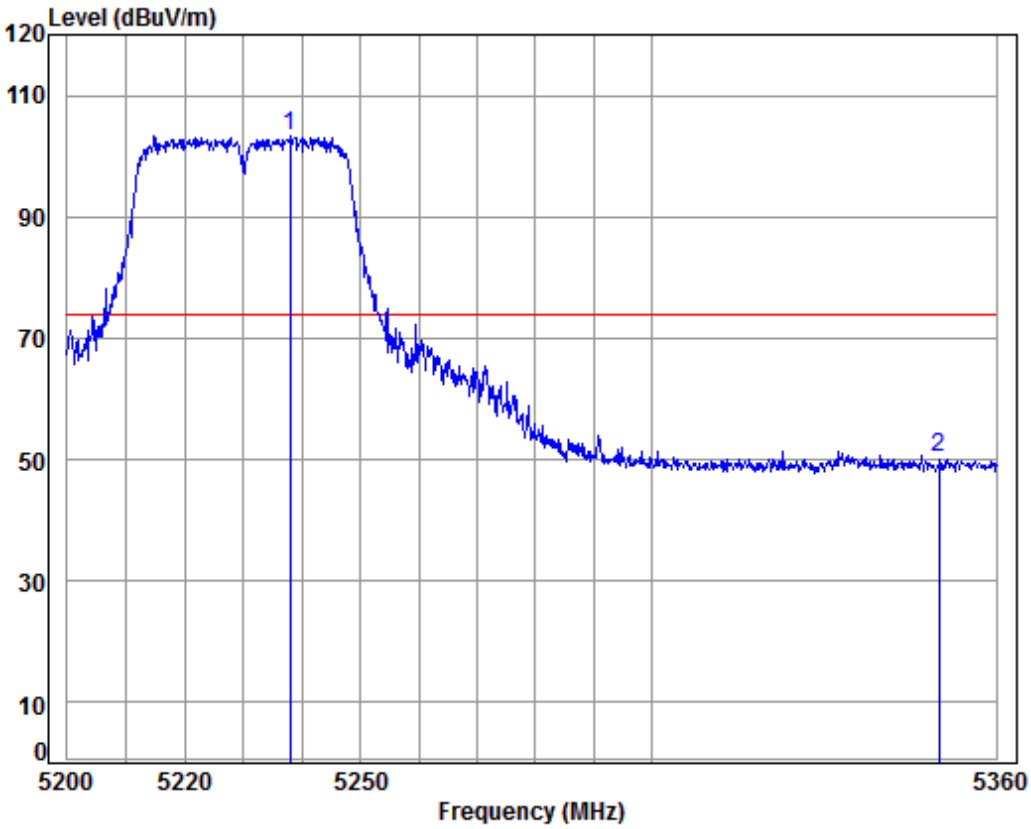
Test mode:	802.11n(HT40)	Frequency(MHz):	5190	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5190 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.666	8.08	34.47	38.47	44.01	48.09	54.00	-5.91	Average
2	5147.666	8.08	34.47	38.47	64.51	68.59	74.00	-5.41	Peak
3 av	5150.000	8.08	34.47	38.47	44.05	48.13	54.00	-5.87	Average
4	5150.000	8.08	34.47	38.47	62.00	66.08	74.00	-7.92	Peak
5 pp	5180.091	8.09	34.46	38.46	99.83	103.92	74.00	29.92	Peak

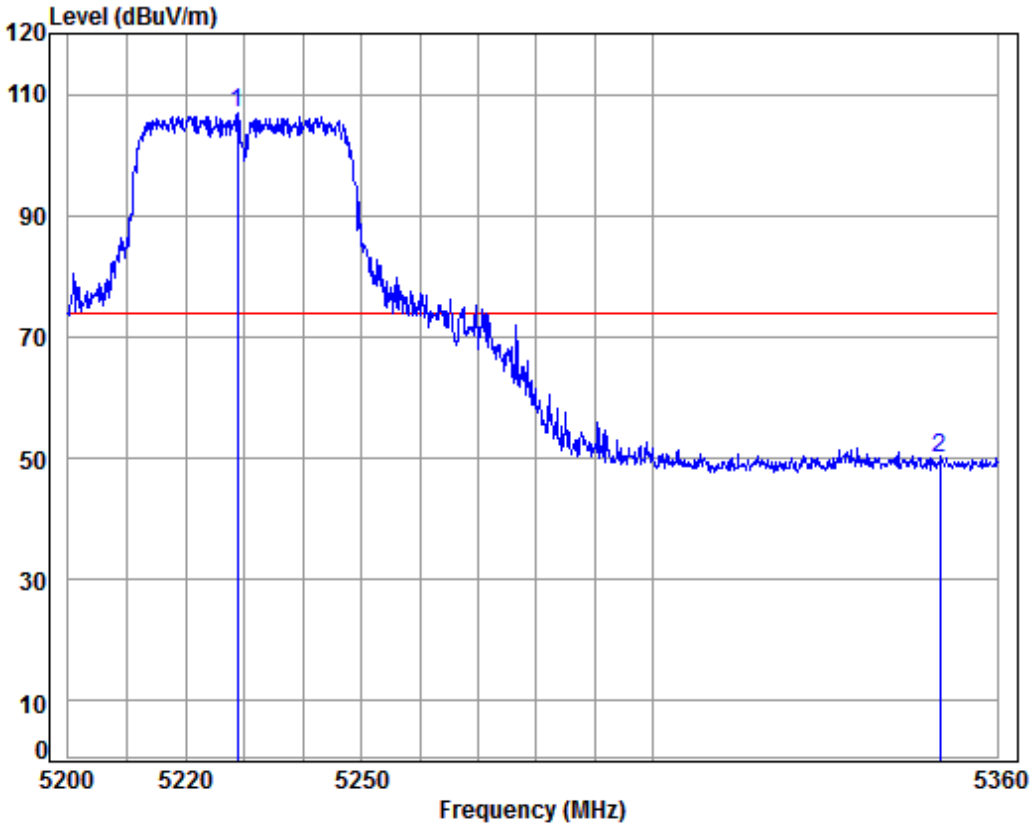
Test mode:	802.11n(HT40)	Frequency(MHz):	5230	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5230 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5237.959	8.12	34.45	38.45	99.20	103.32	74.00	29.32	Peak
2	5350.000	8.18	34.43	38.43	46.14	50.32	74.00	-23.68	Peak

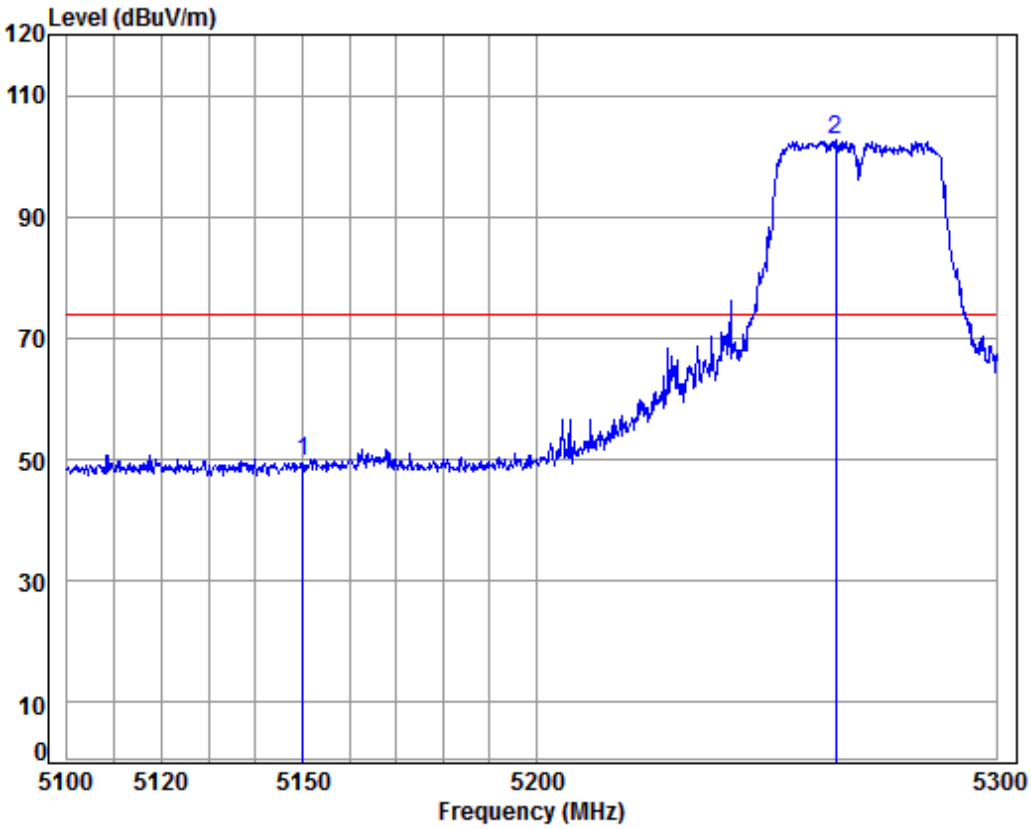
Test mode:	802.11n(HT40)	Frequency(MHz):	5230	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5230 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5228.760	8.12	34.45	38.45	102.72	106.84	74.00	32.84	Peak
2	5350.000	8.18	34.43	38.43	45.86	50.04	74.00	-23.96	Peak

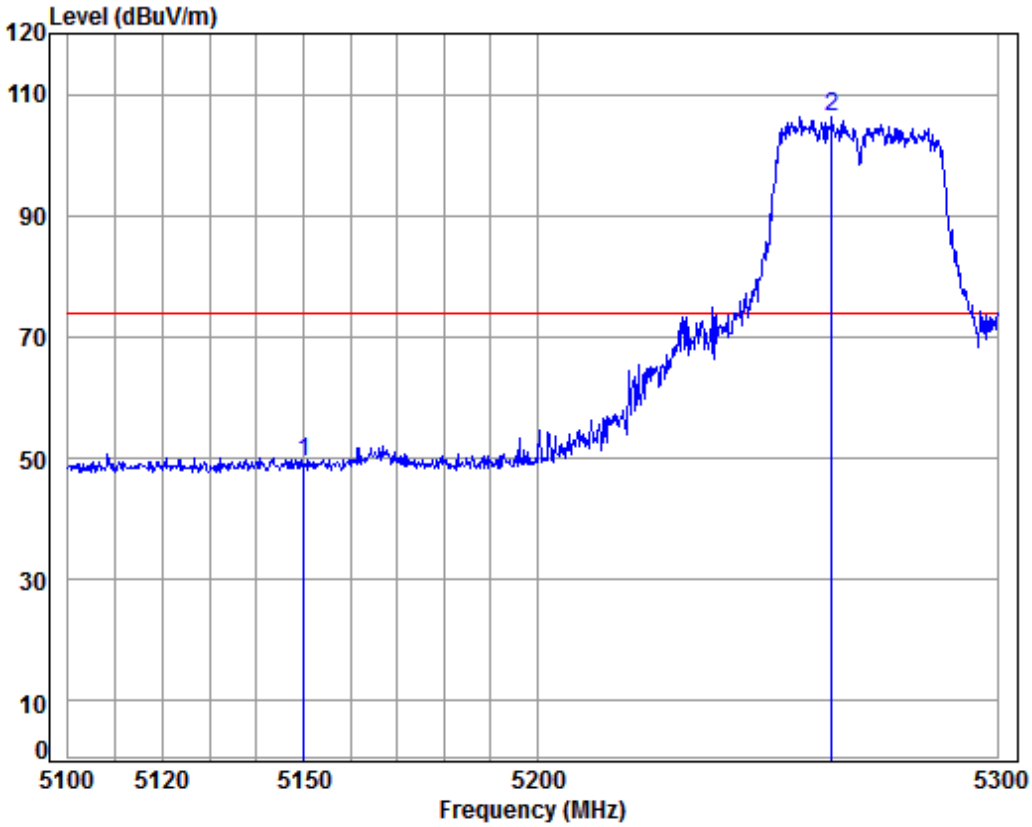
Test mode:	802.11n(HT40)	Frequency(MHz):	5270	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5270 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.77	49.85	74.00	-24.15	Peak
2 pp	5264.847	8.14	34.45	38.45	98.63	102.77	74.00	28.77	Peak

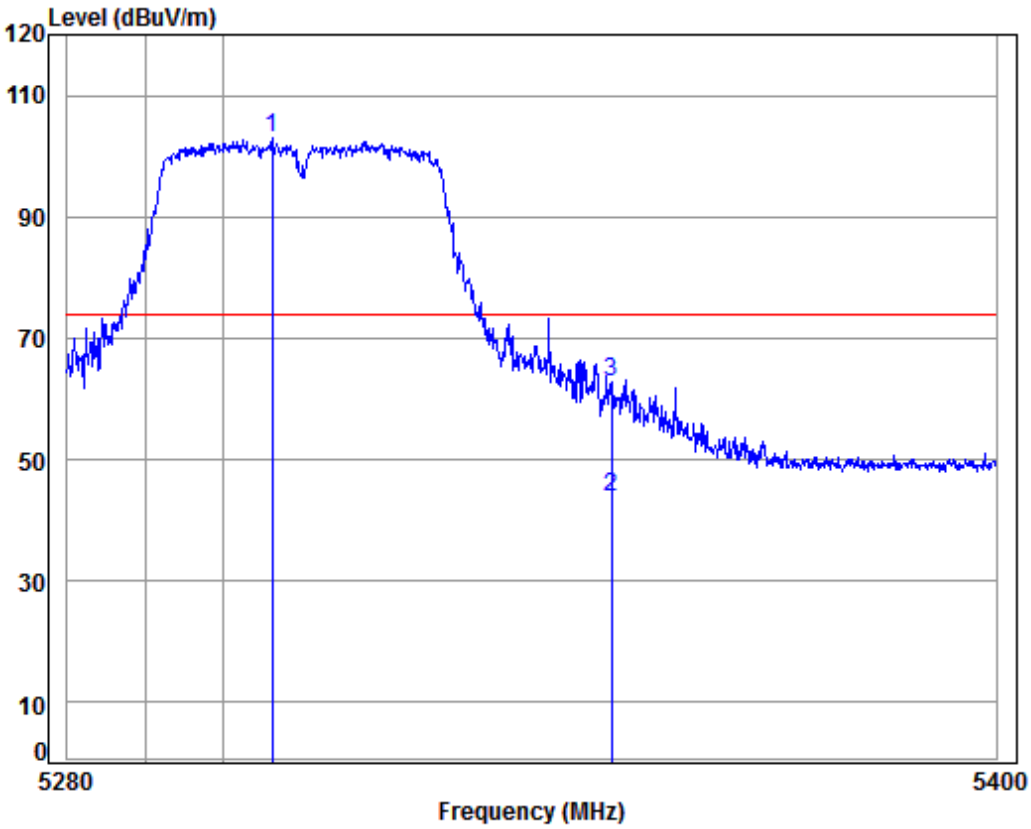
Test mode:	802.11n(HT40)	Frequency(MHz):	5270	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5270 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.34	49.42	74.00	-24.58	Peak
2 pp	5263.835	8.13	34.45	38.45	102.16	106.29	74.00	32.29	Peak

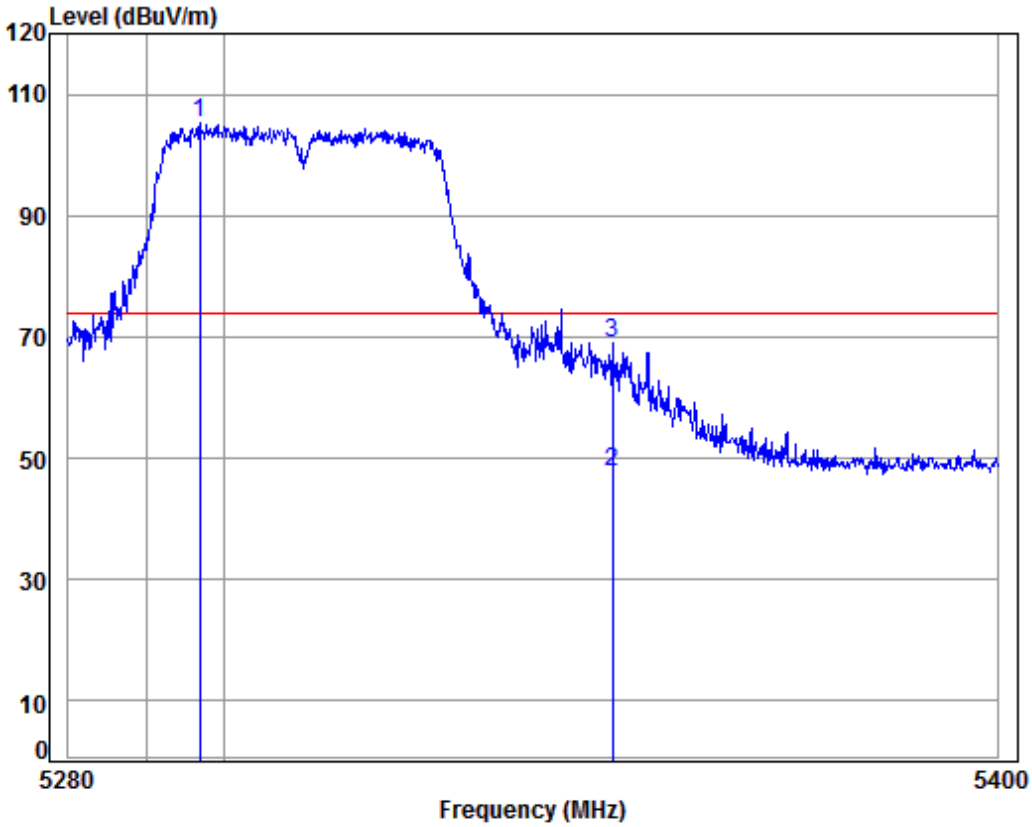
Test mode:	802.11n(HT40)	Frequency(MHz):	5310	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5310 Band edge
: N40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5306.289	8.16	34.44	38.44	98.85	103.01	74.00	29.01	Peak
2	av	5350.000	8.18	34.43	38.43	39.80	43.98	54.00	-10.02	Average
3		5350.000	8.18	34.43	38.43	58.49	62.67	74.00	-11.33	Peak

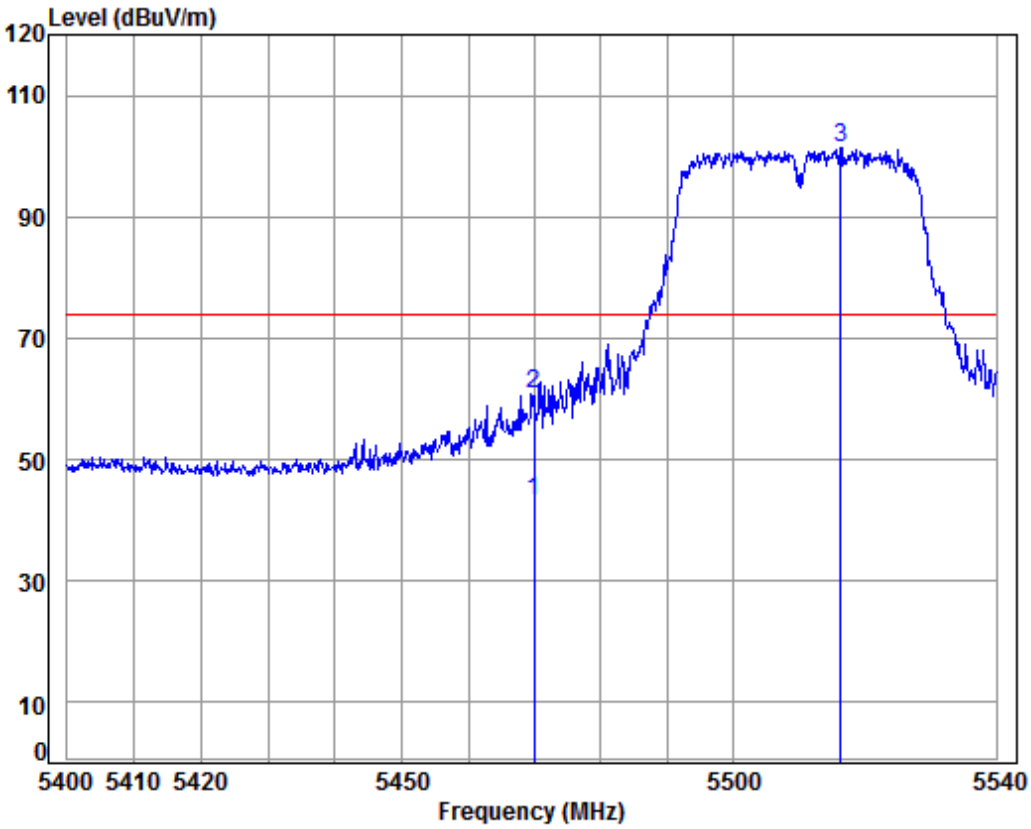
Test mode:	802.11n(HT40)	Frequency(MHz):	5310	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5310 Band edge
: N40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5296.876	8.15	34.44	38.44	101.09	105.24	74.00	31.24	Peak
2	av	5350.000	8.18	34.43	38.43	43.41	47.59	54.00	-6.41	Average
3		5350.000	8.18	34.43	38.43	64.80	68.98	74.00	-5.02	Peak

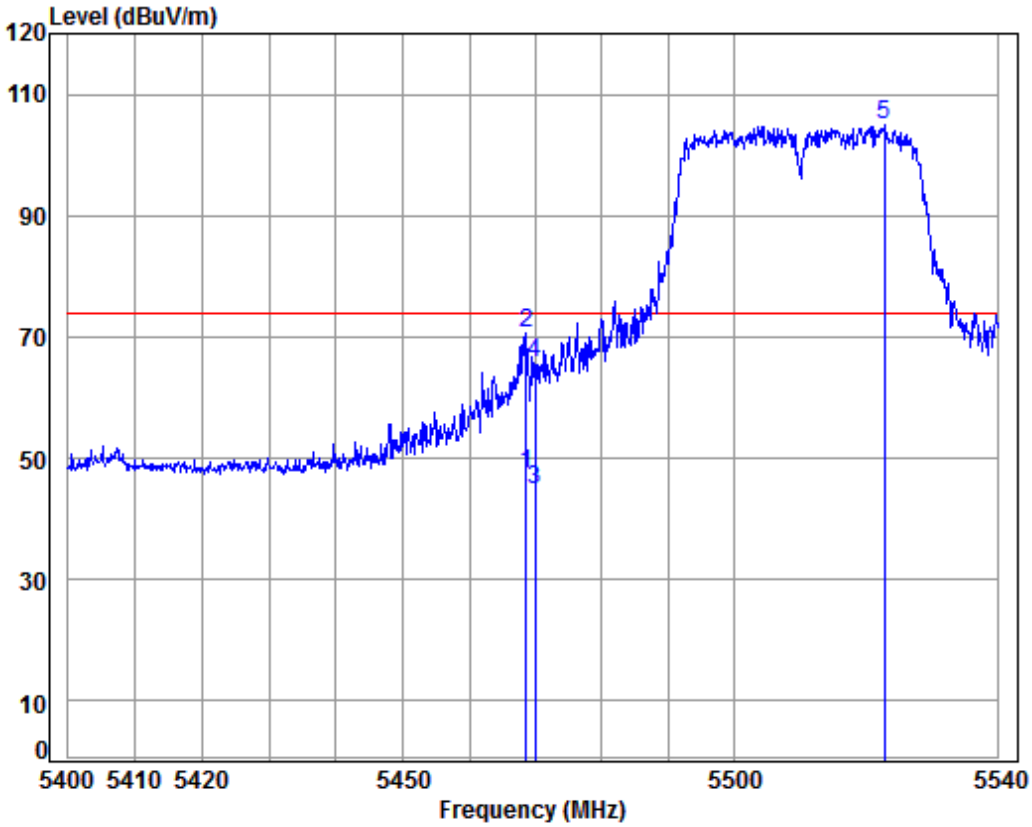
Test mode:	802.11n(HT40)	Frequency(MHz):	5510	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5510 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av 5470.000	8.24	34.41	38.41	38.91	43.15	54.00	-10.85	Average
2	5470.000	8.24	34.41	38.41	56.56	60.80	74.00	-13.20	Peak
3	pp 5516.370	8.27	34.41	38.40	97.24	101.52	74.00	27.52	Peak

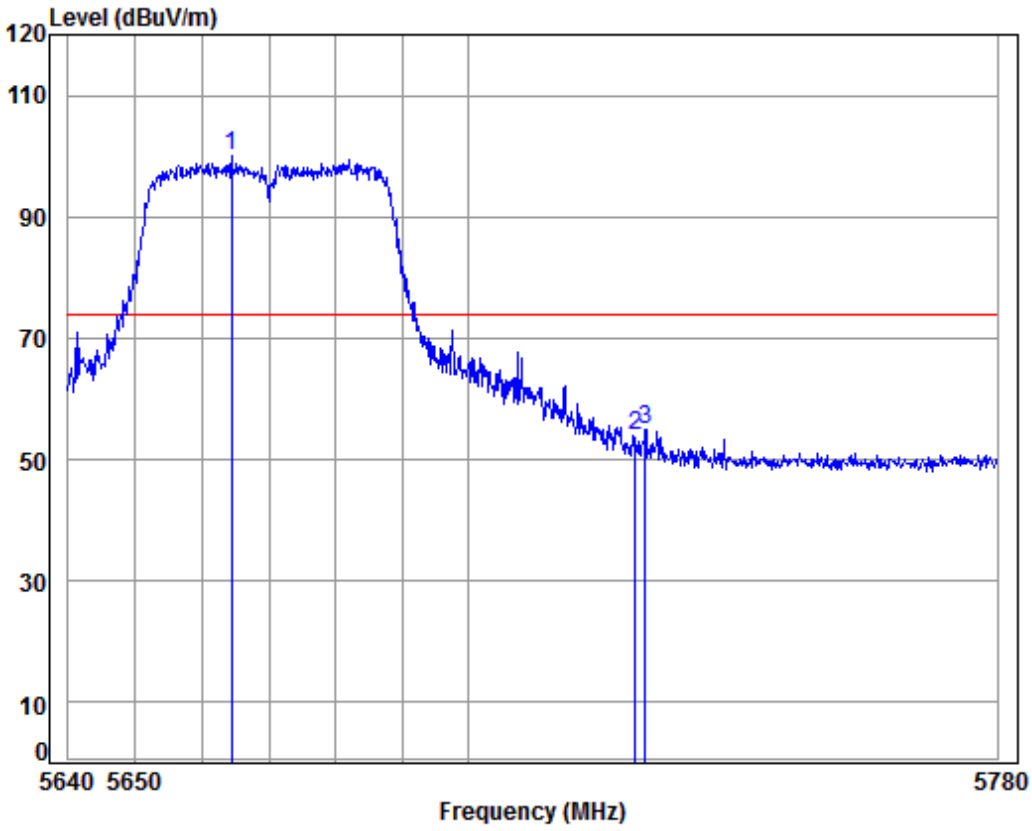
Test mode:	802.11n(HT40)	Frequency(MHz):	5510	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5510 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av 5468.572	8.23	34.41	38.41	43.27	47.50	54.00	-6.50	Average
2	5468.572	8.23	34.41	38.41	66.47	70.70	74.00	-3.30	Peak
3	5470.000	8.24	34.41	38.41	40.50	44.74	54.00	-9.26	Average
4	5470.000	8.24	34.41	38.41	61.53	65.77	74.00	-8.23	Peak
5	pp 5522.728	8.27	34.41	38.40	100.65	104.93	74.00	30.93	Peak

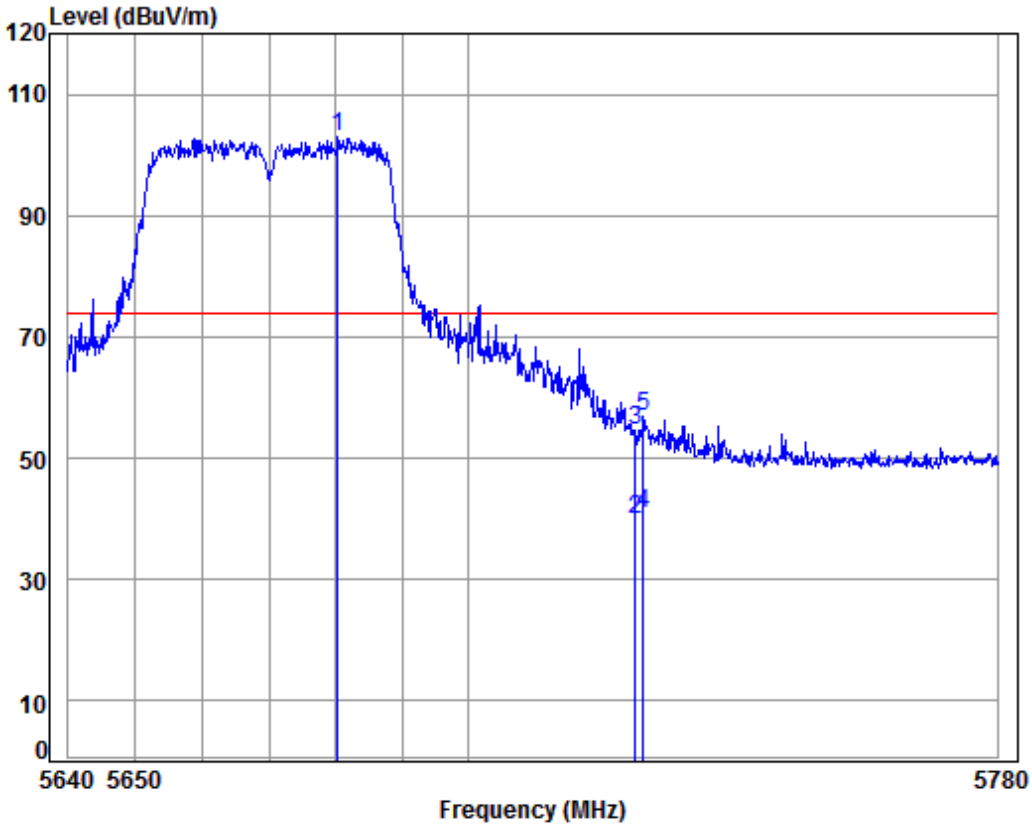
Test mode:	802.11n(HT40)	Frequency(MHz):	5670	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5670 Band edge
: N40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5664.392	8.42	34.50	38.37	95.45	100.00	74.00	26.00	Peak
2		5725.000	8.48	34.54	38.35	49.23	53.90	74.00	-20.10	Peak
3		5726.536	8.48	34.54	38.35	50.28	54.95	74.00	-19.05	Peak

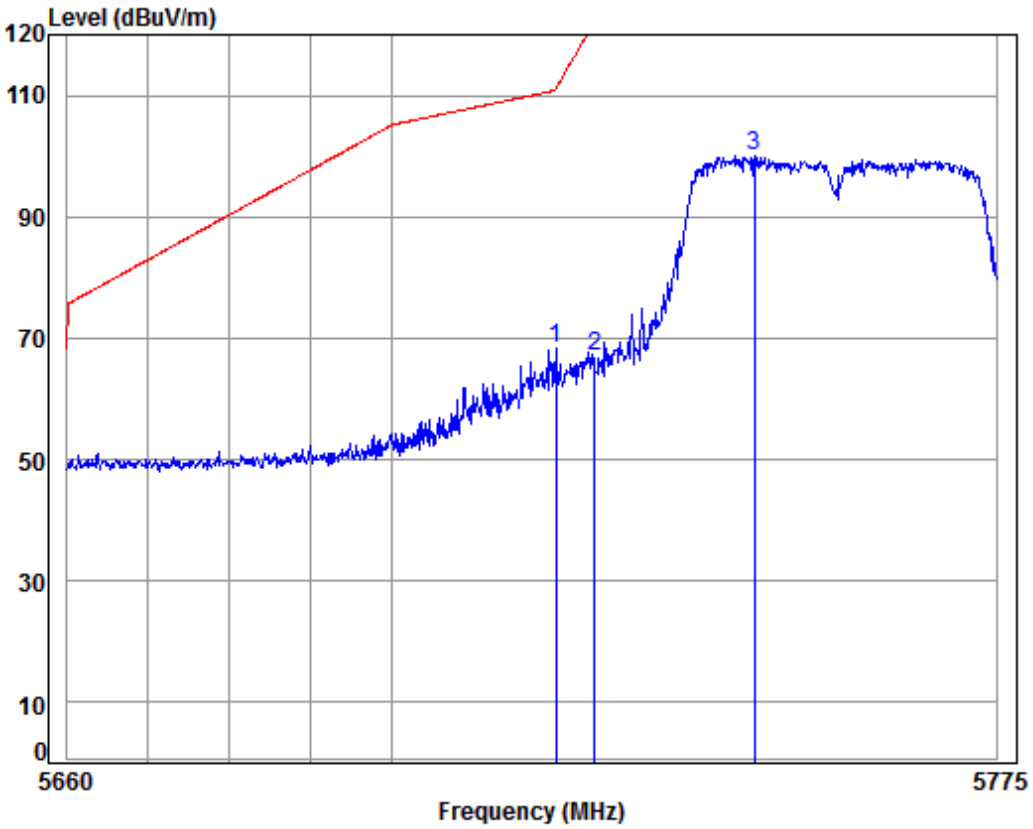
Test mode:	802.11n(HT40)	Frequency(MHz):	5670	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5670 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5680.247	8.44	34.51	38.36	98.43	103.02	74.00	29.02	Peak
2	5725.000	8.48	34.54	38.35	35.21	39.88	54.00	-14.12	Average
3	5725.000	8.48	34.54	38.35	50.08	54.75	74.00	-19.25	Peak
4	av 5726.255	8.48	34.54	38.35	36.16	40.83	54.00	-13.17	Average
5	5726.255	8.48	34.54	38.35	52.37	57.04	74.00	-16.96	Peak

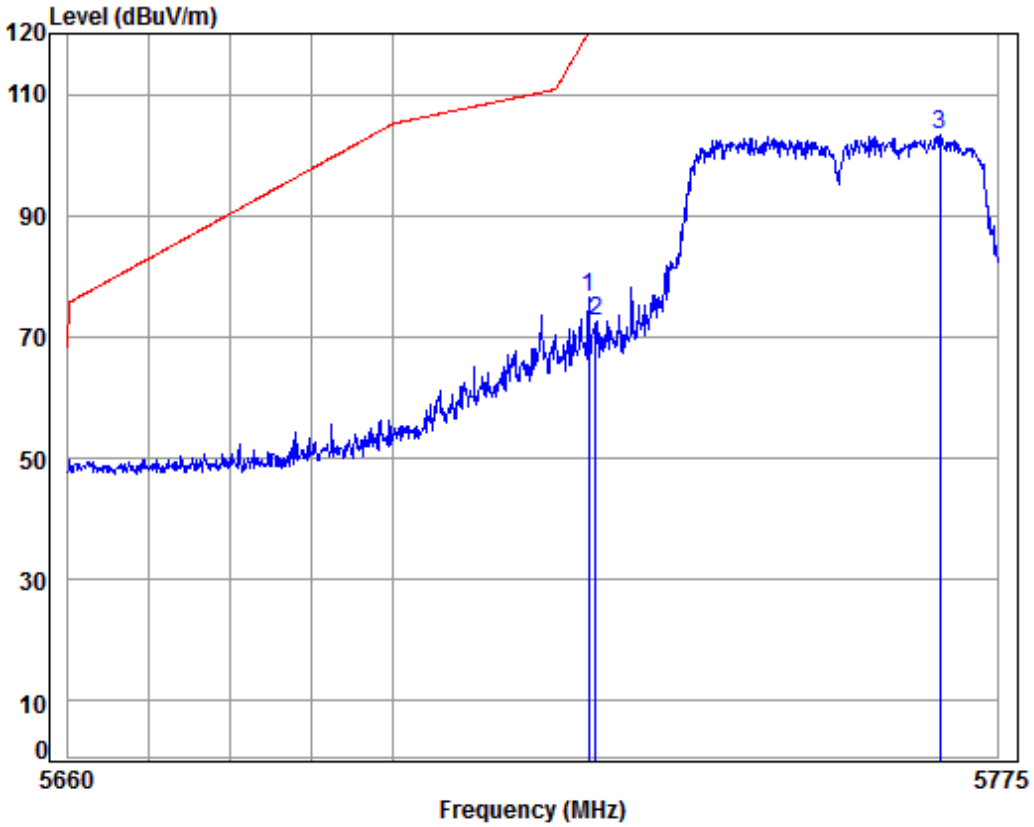
Test mode:	802.11n(HT40)	Frequency(MHz):	5755	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5755 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5720.202	8.48	34.54	38.36	63.83	68.49	111.26	-42.77	Peak
2	5725.000	8.48	34.54	38.35	62.51	67.18	122.20	-55.02	Peak
3 pp	5744.877	8.50	34.55	38.35	95.50	100.20	125.20	-25.00	Peak

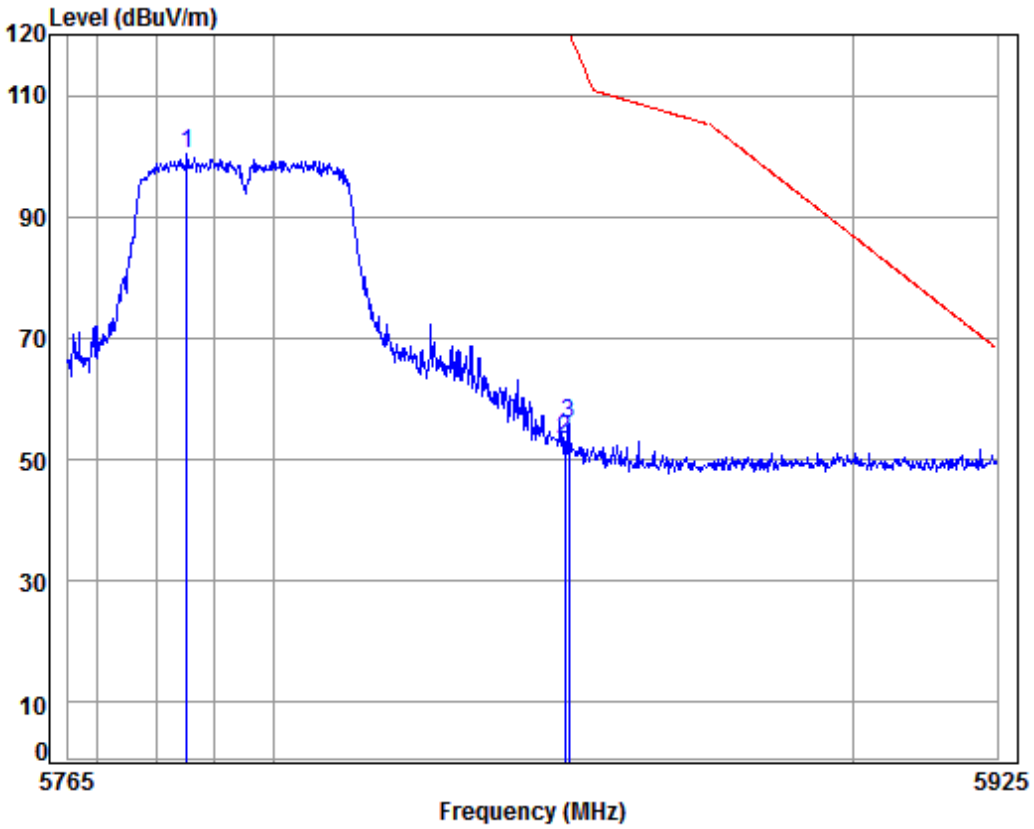
Test mode:	802.11n(HT40)	Frequency(MHz):	5755	Horizontal



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5755 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5724.115	8.48	34.54	38.36	72.02	76.68	120.18	-43.50	Peak
2	5725.000	8.48	34.54	38.35	67.80	72.47	122.20	-49.73	Peak
3 pp	5767.803	8.52	34.56	38.35	98.69	103.42	125.20	-21.78	Peak

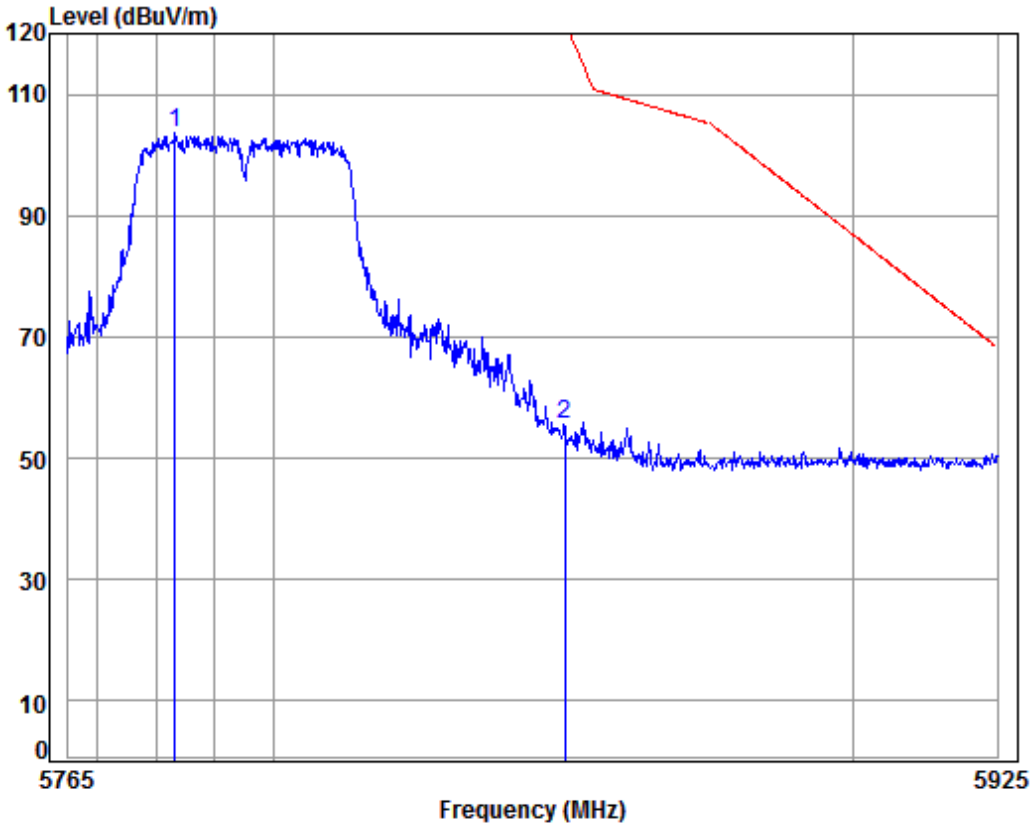
Test mode:	802.11n(HT40)	Frequency(MHz):	5795	Vertical



Condition: 3m Vertical
Job No: : 02571RG
Mode: : 5795 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5785.236	8.54	34.57	38.34	95.62	100.39	125.20	-24.81	Peak
2	5850.000	8.60	34.61	38.33	48.28	53.16	122.20	-69.04	Peak
3	5850.696	8.61	34.61	38.33	51.18	56.07	120.61	-64.54	Peak

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



Condition: 3m Horizontal
Job No: : 02571RG
Mode: : 5795 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5783.178	8.54	34.57	38.34	99.02	103.79	125.20	-21.41	Peak
2	5850.000	8.60	34.61	38.33	50.84	55.72	122.20	-66.48	Peak

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

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

7 Photographs - EUT Test Setup Details

Refer to Appendix A - Photographs of EUT Test Setup Details for SZEM1703002571RG.