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

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FCC REPORT

Application No:	SZEM1604002603RG
Applicant:	Acer Incorporated
Manufacturer:	Shenzhen neostra Technology CO.,Ltd
Factory:	Shenzhen neostra Technology CO.,Ltd
Product Name:	Tablet Computer
Model No.(EUT):	A6004
Trade Mark:	Acer
FCC ID:	HLZA6004
Standards:	47 CFR Part 15, Subpart E (2015)
Date of Receipt:	2016-04-21
Date of Test:	2016-05-09 to 2016-05-13
Date of Issue:	2016-05-20
Test Result:	**PASS ***

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

Authorized Signature:

Jack Zhang
EMC Laboratory Manager

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

2 Version

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
00		*2016-05-20*		Original

Authorized for issue by:				
Tested By		Hank yan. (Hank Yan) /Project Engineer		2016-05-13 **Date**
Prepared By		Iris Zhou (Iris Zhou) /Clerk		2016-05-20 **Date**
Checked By		Eric Fu (Eric Fu) /Reviewer		2016-05-20 **Date**

3 Test Summary

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

4 Contents

5 General Information

5.1 Client Information

Applicant:	Acer Incorporated
Address of Applicant:	8F, 88, Sec1, Hsin Tai Wu Rd Hsichih, Taipei Hsien, 221 Taiwan
Manufacturer:	Shenzhen neostra Technology CO.,Ltd
Address of Manufacturer:	7 Building, Huaide Cuihai Industrial Park, Fuyong, Shenzhen, Guangdong
Factory:	Shenzhen neostra Technology CO.,Ltd
Address of Factory:	7 Building, Huaide Cuihai Industrial Park, Fuyong, Shenzhen, Guangdong

5.2 General Description of EUT

Product Name:	Tablet Computer			
Model No.:	A6004			
Trade Mark:	Acer			
Operation Frequency:	Band	Mode	Frequency Range(MHz)	Number of channels
	UNII Band I	IEEE 802.11a	5180-5240	4
		IEEE 802.11n 20MHz	5180-5240	4
		IEEE 802.11n 40MHz	5190-5230	2
	UNII Band II-A	IEEE 802.11a	5260-5320	4
		IEEE 802.11n 20MHz	5260-5320	4
		IEEE 802.11n 40MHz	5270-5310	2
	UNII Band II-C	IEEE 802.11a	5500-5700	11
		IEEE 802.11n 20MHz	5500-5700	11
		IEEE 802.11n 40MHz	5510-5670	5
	UNII Band III	IEEE 802.11a	5745-5825	5
		IEEE 802.11n 20MHz	5745-5825	5
		IEEE 802.11n 40MHz	5755-5795	2
Type of Modulation:	IEEE 802.11a: OFDM(BPSK/QPSK/16QAM/64QAM) IEEE 802.11n: OFDM(BPSK/QPSK/16QAM/64QAM)			
Sample Type:	Portable Device			
Antenna Type:	FPC			
Antenna Gain:	0.95dBi			
Power Supply:	Adapter 1: Model:ADP-10HW A Input: AC100-240V 50-60Hz 0.4A Output:DC5.35V 2A Adapter 2: Model:PA-1100-25 Input: AC100-240V 50/60Hz 0.3A			

	Output:DC5.2V 2.0A DC 3.7V (1 x 3.7V Rechargeable battery)
	Remark: Pre-test the EUT with Adapter 1 and Adapter 2, and found the data of Adapter 2 is worse. So only the data of Adapter 2 is recorded in the report.
Test Voltage:	DC 3.7V Li-ion Battery

Note:

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

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

For UNII Band I:

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

For UNII Band II-A:

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

For UNII Band II-C:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n 20MHz	The Lowest channel	5500
	The Middle channel	5600
	The Highest channel	5700
IEEE 802.11n 40MHz	The Lowest channel	5510
	The Middle channel	5550
	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:	50 % RH
Atmospheric Pressure:	1016 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 E&E Lab,
No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.
Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

5.6 Test Facility

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

• **CNAS (No. CNAS L2929)**

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

• **A2LA (Certificate No. 3816.01)**

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

• **VCCI**

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

• **FCC – Registration No.: 556682**

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

• **Industry Canada (IC)**

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

5.7 Deviation from Standards

None.

5.8 Abnormalities from Standard Conditions

None.

5.9 Other Information Requested by the Customer

None.

5.10 Equipment List

Conducted Emission						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. date (yyyy-mm-dd)**	**Cal.Due date (yyyy-mm-dd)**
1	Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2015-05-13	2016-05-13
2	LISN	Rohde & Schwarz	ENV216	SEM007-01	2015-10-09	2016-10-09
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	2015-08-30	2016-08-30
5	4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2015-08-30	2016-08-30
6	2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2015-08-30	2016-08-30
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	2015-10-09	2016-10-09

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	2015-05-13	2016-05-13
2	EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2015-09-16	2016-09-16
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	2015-10-09	2016-10-09
9	Loop Antenna	Beijing Daze	ZN30401	SEM003-09	2015-05-13	2018-05-13

RE in Chamber						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. date (yyyy-mm-dd)**	**Cal.Due date (yyyy-mm-dd)**
1	3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2015-05-13	2016-05-13
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	2015-10-09	2016-10-09
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	2015-10-09	2016-10-09
7	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A

RF connected test						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. date (yyyy-mm-dd)**	**Cal.Due date (yyyy-mm-dd)**
1	DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2015-10-09	2016-10-09
2	Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2015-10-17	2016-10-17
3	Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2016-04-25	2017-04-25
4	Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2015-10-09	2016-10-09

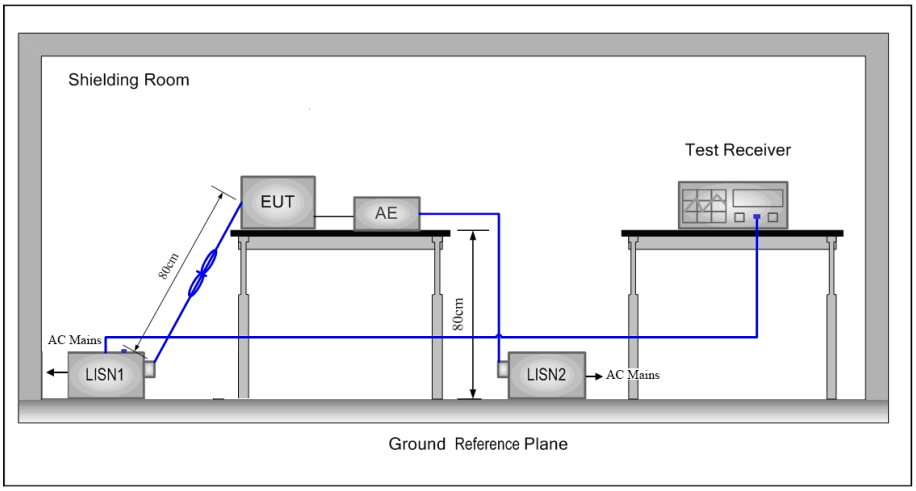
6 Test results and Measurement Data

6.1 Antenna Requirement

Test Requirement:	47 CFR Part 15 Section 15.203
EUT Antenna:	
The antenna is integrated antenna and no consideration of replacement. The best case gain of the antenna is 0.95dBi.	

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.

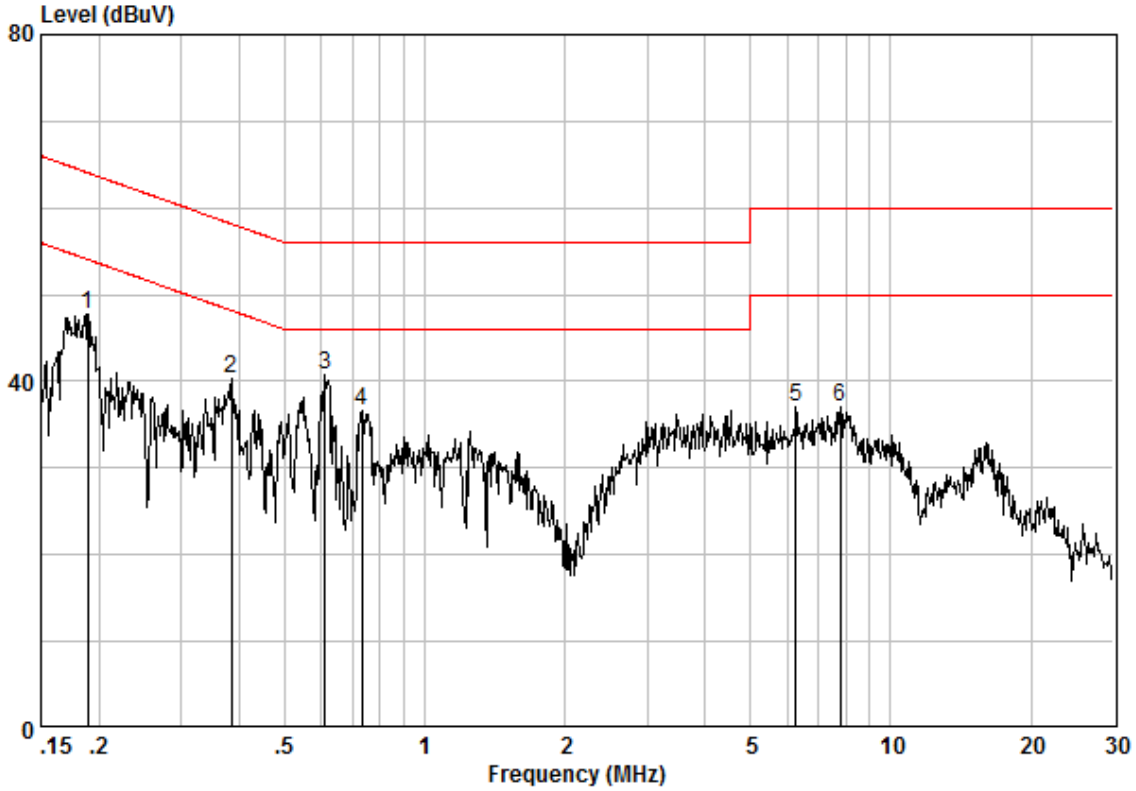
Test Setup:	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer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

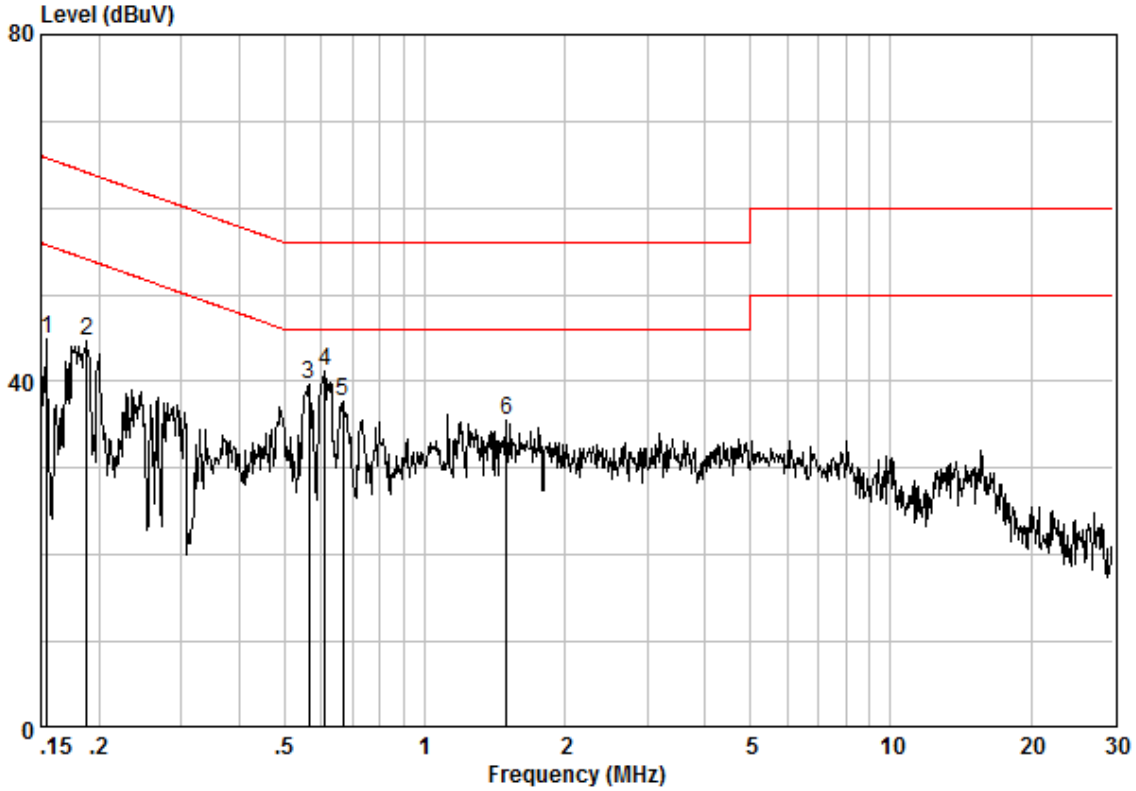
Live Line:



Site : Shielding Room
Condition : CE LINE
Job No. : 2603RG
Test Mode : Charge + TX mode

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.18938	0.02	9.60	38.18	47.80	54.06	-6.26	Peak
2	0.38519	0.01	9.60	30.71	40.32	48.17	-7.85	Peak
3	0.61075	0.02	9.61	31.14	40.77	46.00	-5.23	Peak
4	0.73131	0.02	9.61	26.92	36.54	46.00	-9.46	Peak
5	6.252	0.01	9.67	27.40	37.08	50.00	-12.92	Peak
6	7.810	0.01	9.69	27.26	36.96	50.00	-13.04	Peak

Neutral Line:



Site : Shielding Room
Condition : CE NEUTRAL
Job No. : 2603RG
Test Mode : Charge + TX mode

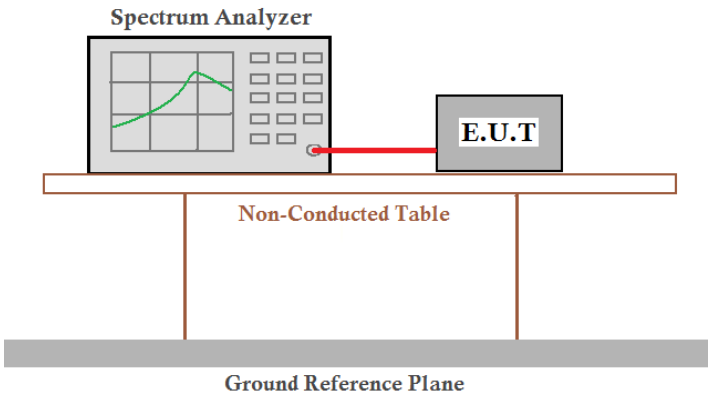
	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15485	0.02	9.61	35.17	44.80	55.74	-10.93	Peak
2	0.18838	0.02	9.61	35.15	44.78	54.11	-9.32	Peak
3	0.56409	0.01	9.63	29.99	39.63	46.00	-6.37	Peak
4 @	0.61075	0.02	9.63	31.63	41.27	46.00	-4.73	Peak
5	0.66832	0.02	9.63	28.02	37.66	46.00	-8.34	Peak
6	1.495	0.02	9.64	25.79	35.45	46.00	-10.55	Peak

Notes:

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

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

6.3 Conducted Output Power

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10: 2013	
Test Setup:	 *Remark:* *Offset the High-Frequency cable loss 1.5dB in the spectrum analyzer.*	
Test Instruments:	Refer to section 5.10 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; 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	

Pre-scan under all rate at lowest channel 1

Mode	802.11a							
Data Rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
Power (dBm)	10.32	10.27	10.23	10.20	10.19	10.13	10.09	10.02
Mode	802.11n(HT20)							
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps
Power (dBm)	10.52	10.48	10.45	10.40	10.35	10.34	10.32	10.30
Mode	802.11n(HT40)							
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps
Power (dBm)	10.56	10.51	10.47	10.46	10.42	10.38	10.31	10.26

Through Pre-scan, 6Mbps of rate is the worst case of 802.11a; 6.5Mbps of rate is the worst case of 802.11n(HT20); 13.5Mbps of rate is the worst case of 802.11n(HT40).

Measurement Data:

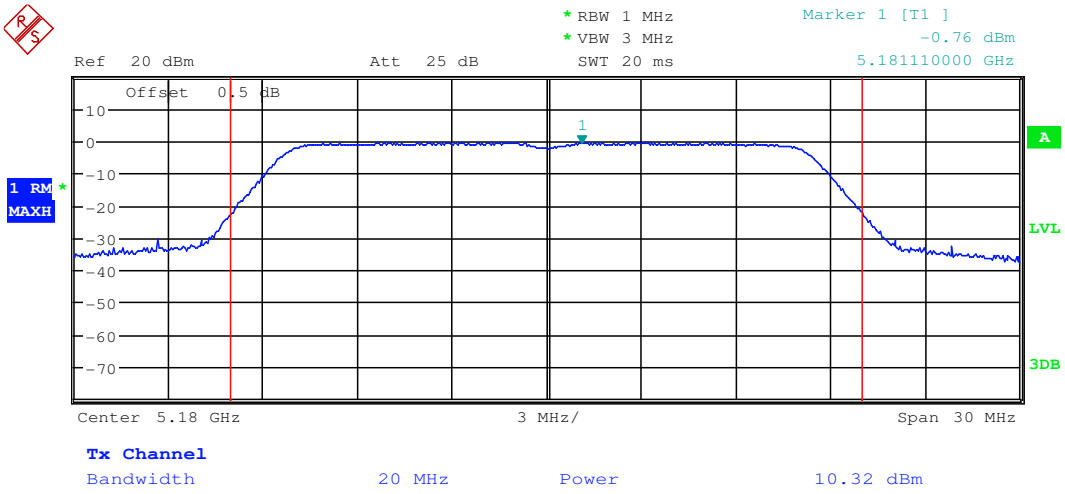
802.11a mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	10.32	24.00	Pass
5200	10.53	24.00	Pass
5240	10.29	24.00	Pass
5260	10.55	24.00	Pass
5300	10.52	24.00	Pass
5320	10.10	24.00	Pass
5500	10.89	24.00	Pass
5580	10.54	24.00	Pass
5600	10.65	24.00	Pass
5700	10.72	24.00	Pass
5745	10.15	30.00	Pass
5785	9.17	30.00	Pass
5825	9.56	30.00	Pass

802.11n(HT20) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	10.52	24.00	Pass
5220	10.06	24.00	Pass
5240	10.76	24.00	Pass
5260	10.70	24.00	Pass
5300	10.18	24.00	Pass
5320	10.53	24.00	Pass
5500	10.85	24.00	Pass
5580	10.64	24.00	Pass
5600	10.89	24.00	Pass
5700	10.95	24.00	Pass
5745	10.16	30.00	Pass
5785	9.29	30.00	Pass
5825	9.57	30.00	Pass

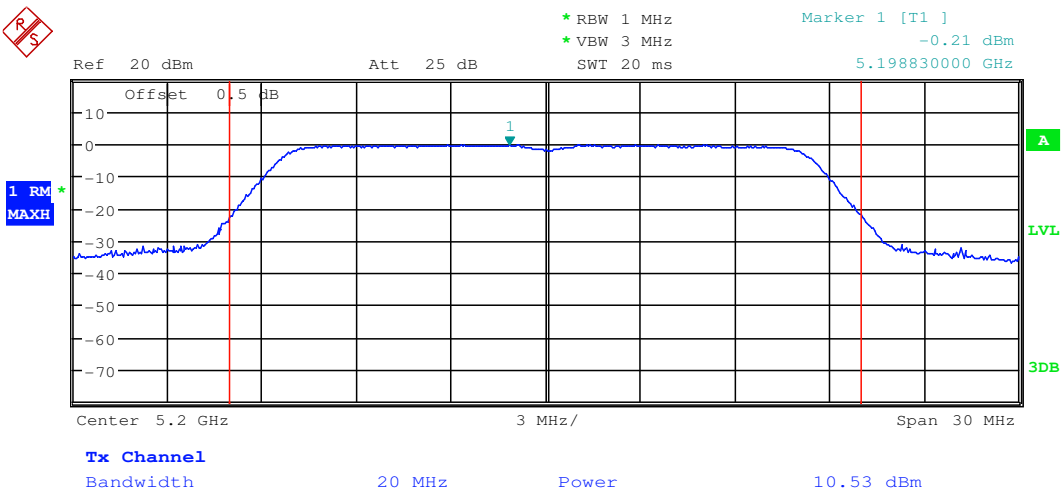
802.11n(40) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5190	10.56	24.00	Pass
5230	10.60	24.00	Pass
5270	10.92	24.00	Pass
5310	10.27	24.00	Pass
5510	11.18	24.00	Pass
5550	10.64	24.00	Pass
5590	11.44	24.00	Pass
5670	10.91	24.00	Pass
5755	9.72	30.00	Pass
5795	9.28	30.00	Pass

Test plot as follows:

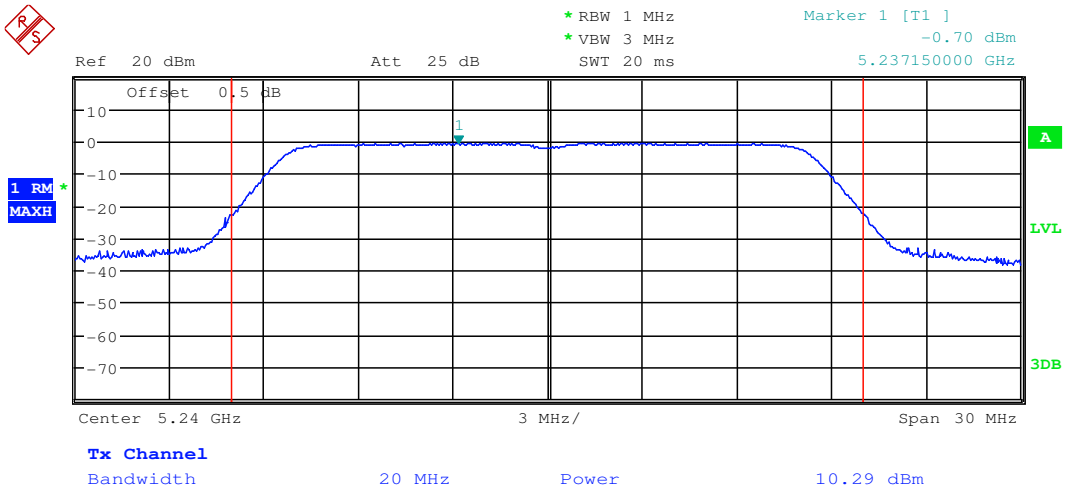
Test mode:	802.11a	Frequency(MHz):	5180



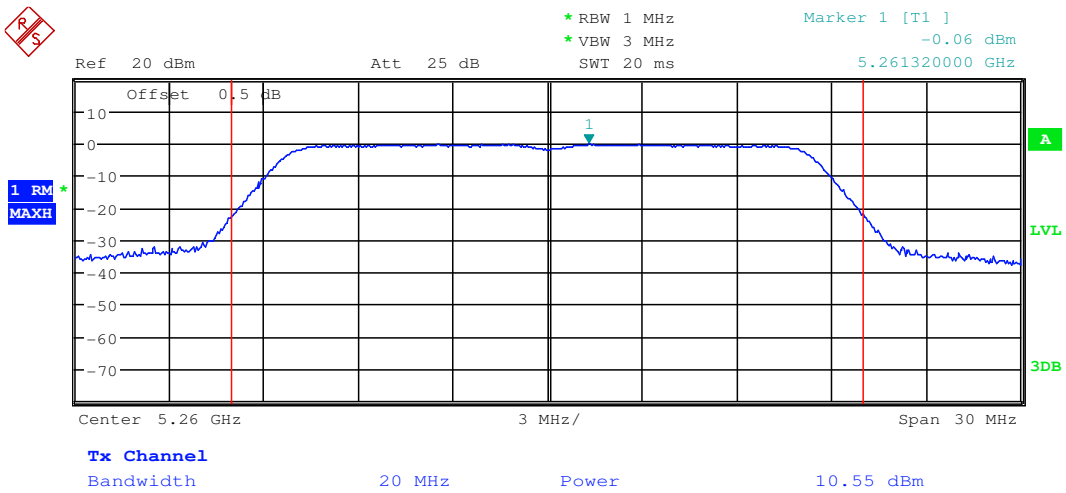
Test mode:	802.11a	Frequency(MHz):	5220



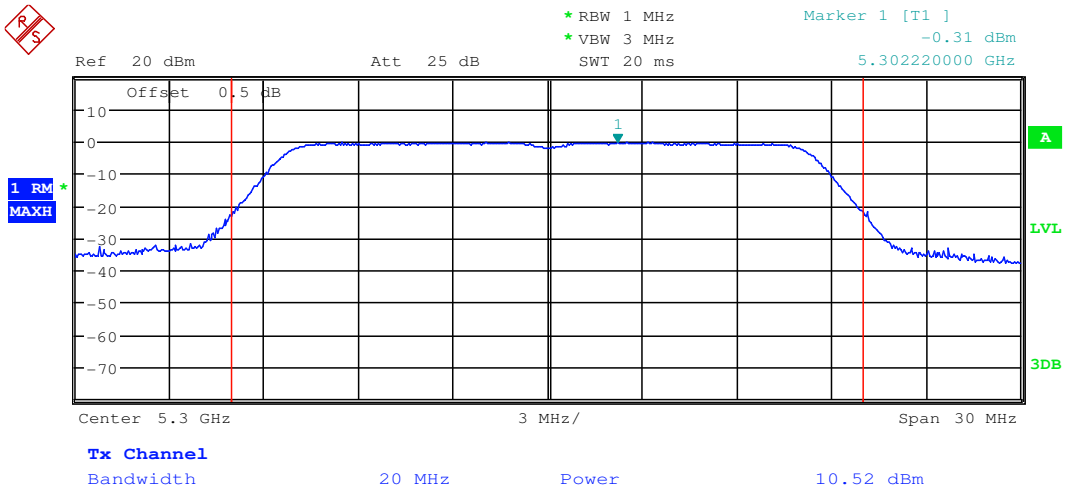
Test mode:	802.11a	Frequency(MHz):	5240



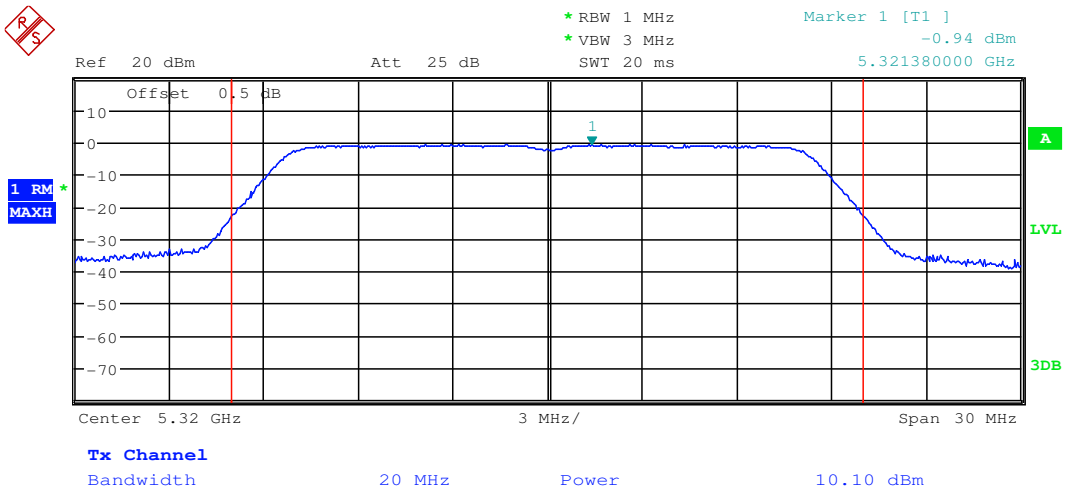
Test mode:	802.11a	Frequency(MHz):	5260



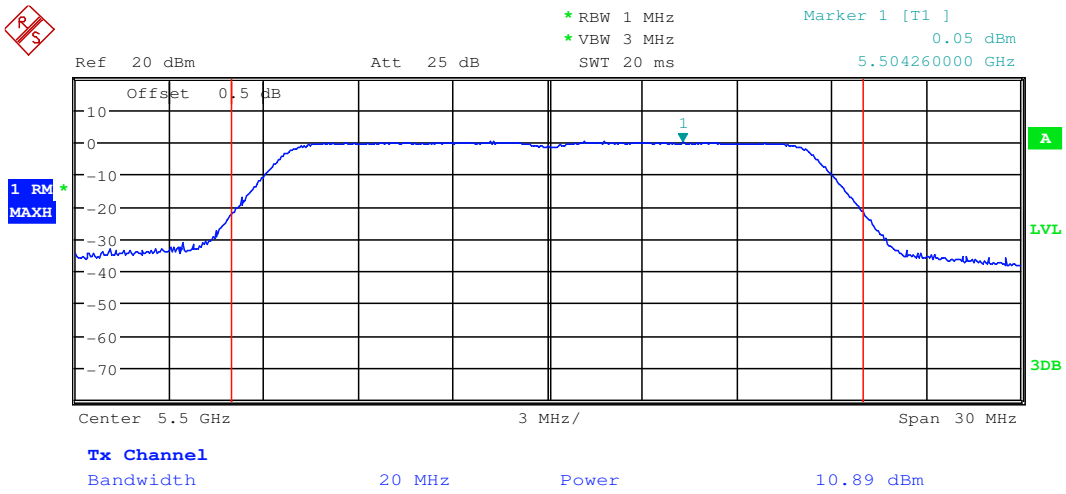
Test mode:	802.11a	Frequency(MHz):	5300



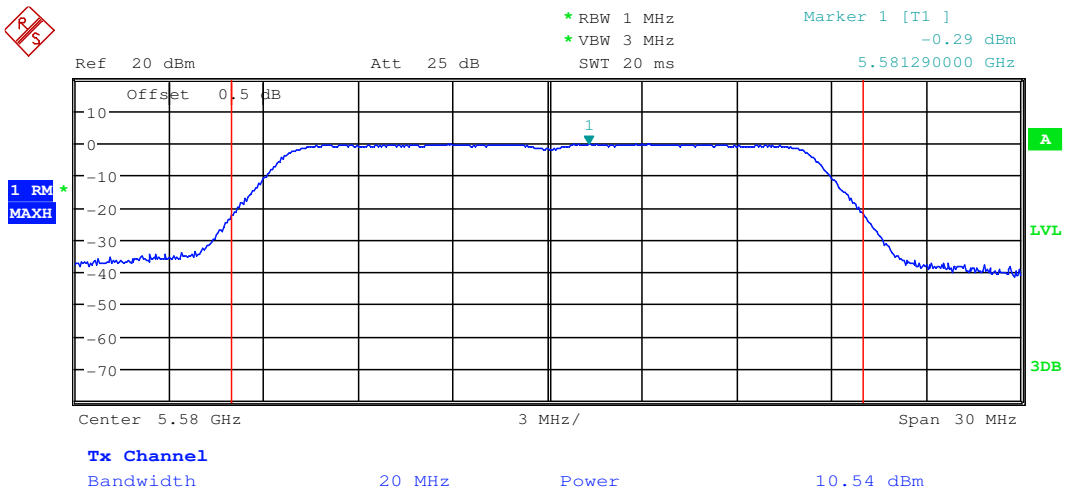
Test mode:	802.11a	Frequency(MHz):	5320



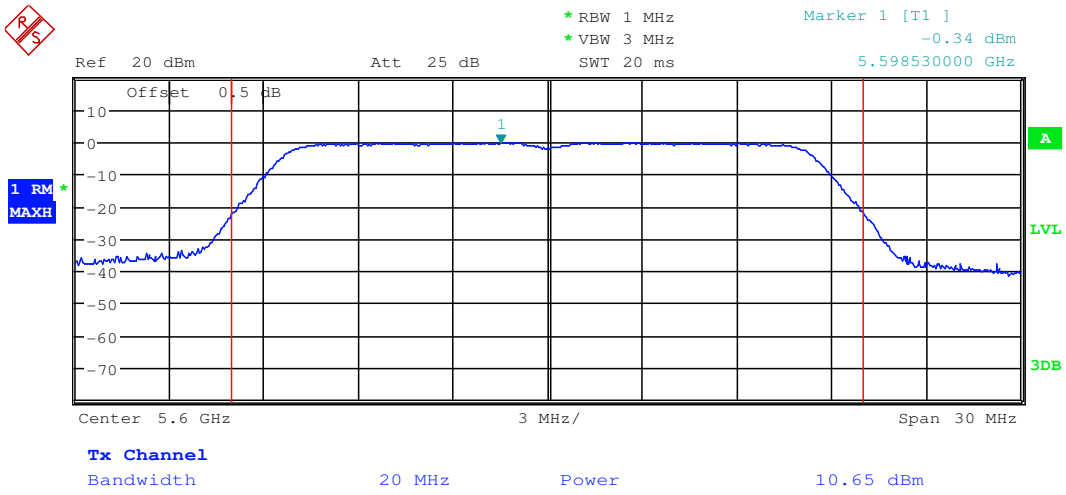
Test mode:	802.11a	Frequency(MHz):	5500



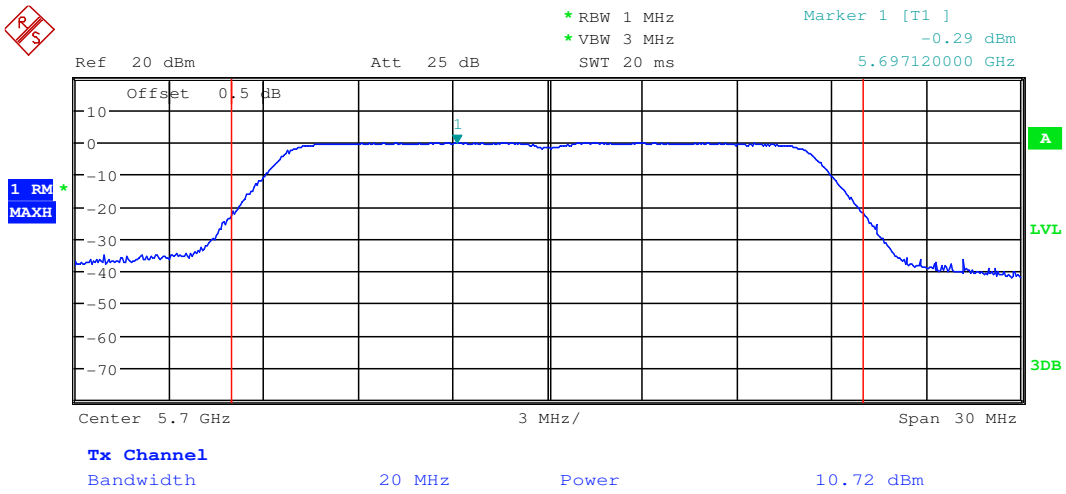
Test mode:	802.11a	Frequency(MHz):	5580



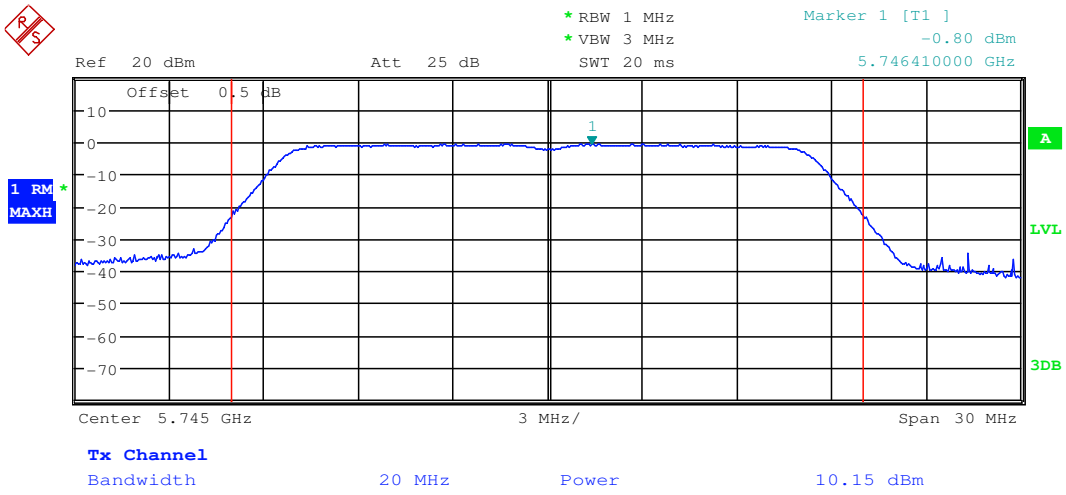
Test mode:	802.11a	Frequency(MHz):	5600



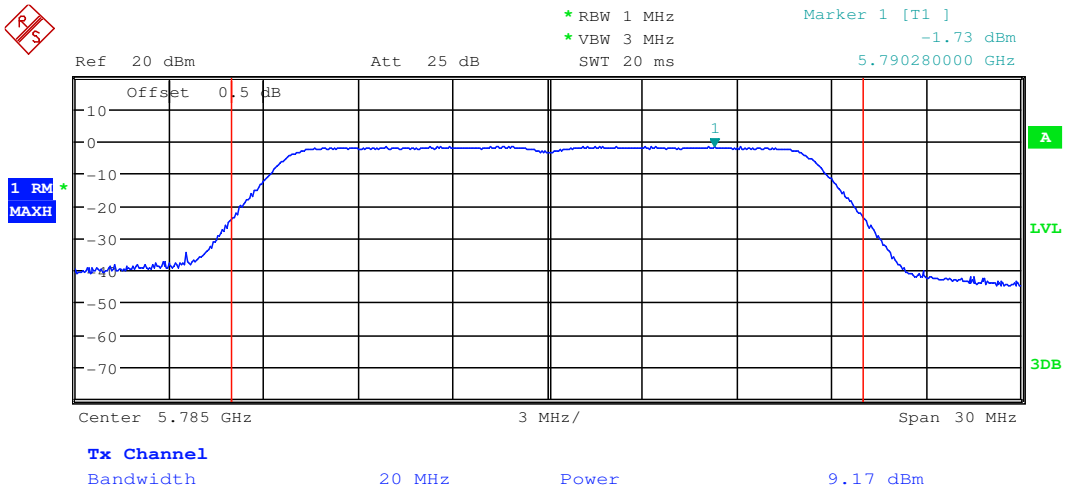
Test mode:	802.11a	Frequency(MHz):	5700



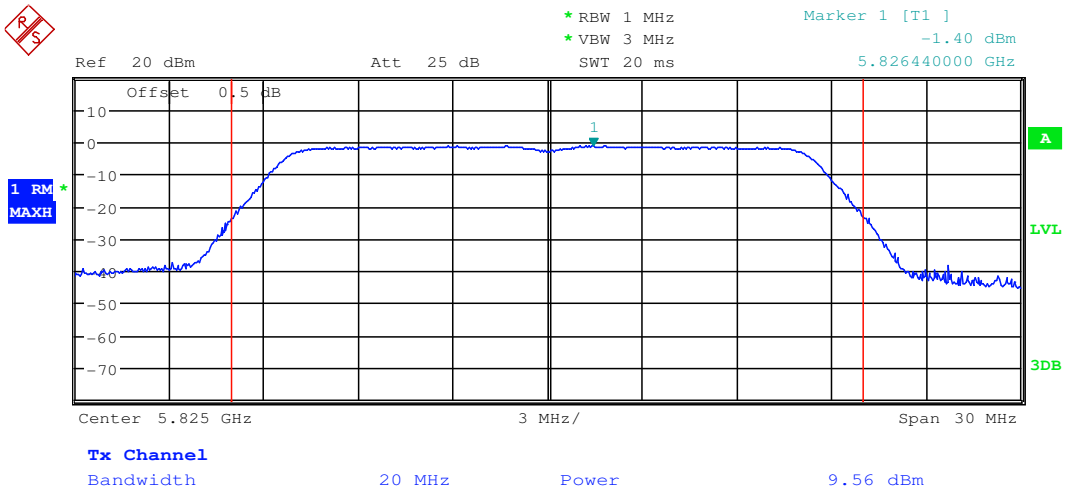
Test mode:	802.11a	Frequency(MHz):	5745



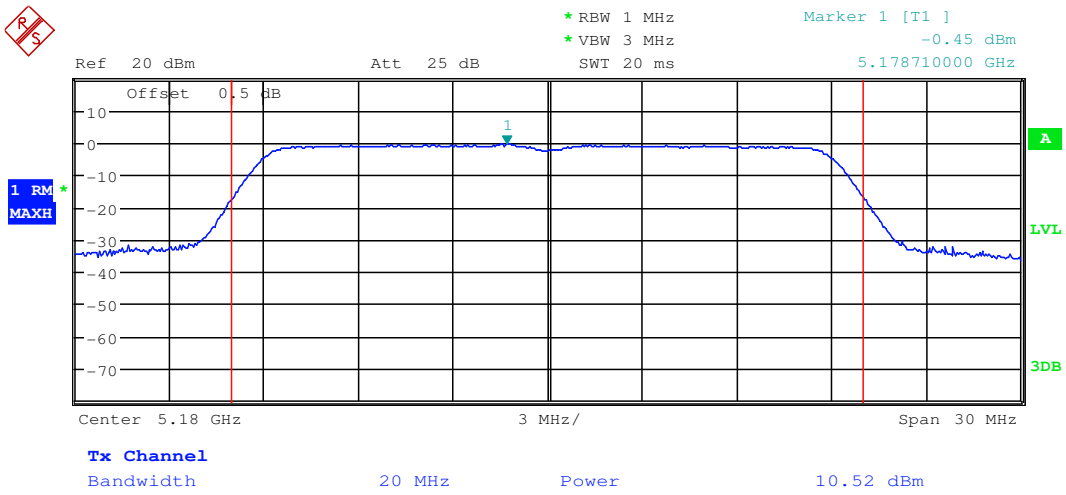
Test mode:	802.11a	Frequency(MHz):	5785



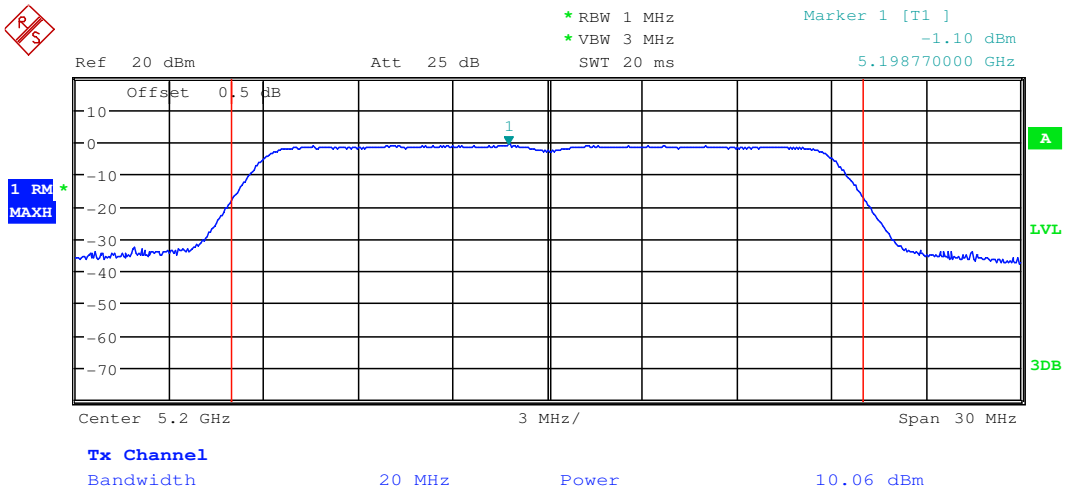
Test mode:	802.11a	Frequency(MHz):	5825



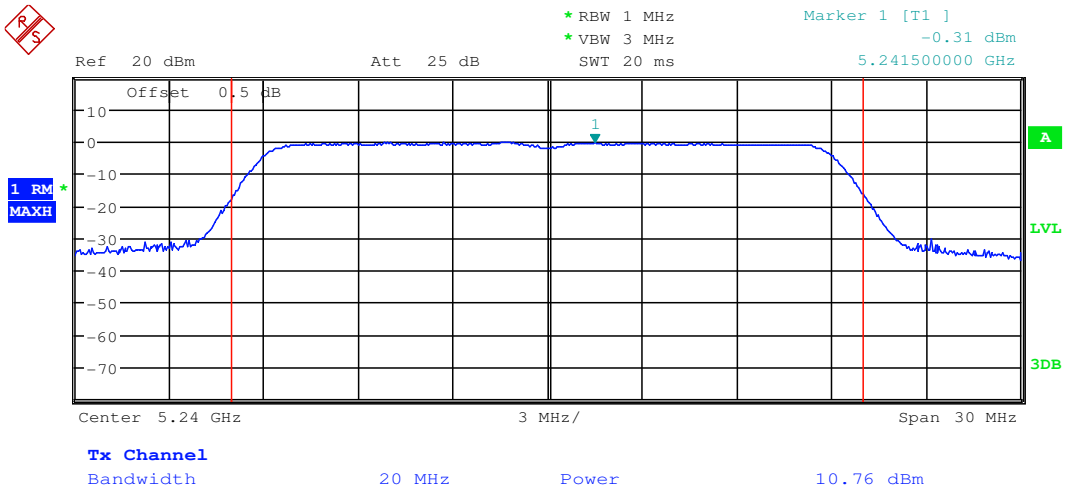
Test mode:	802.11n(HT20)	Frequency(MHz):	5180



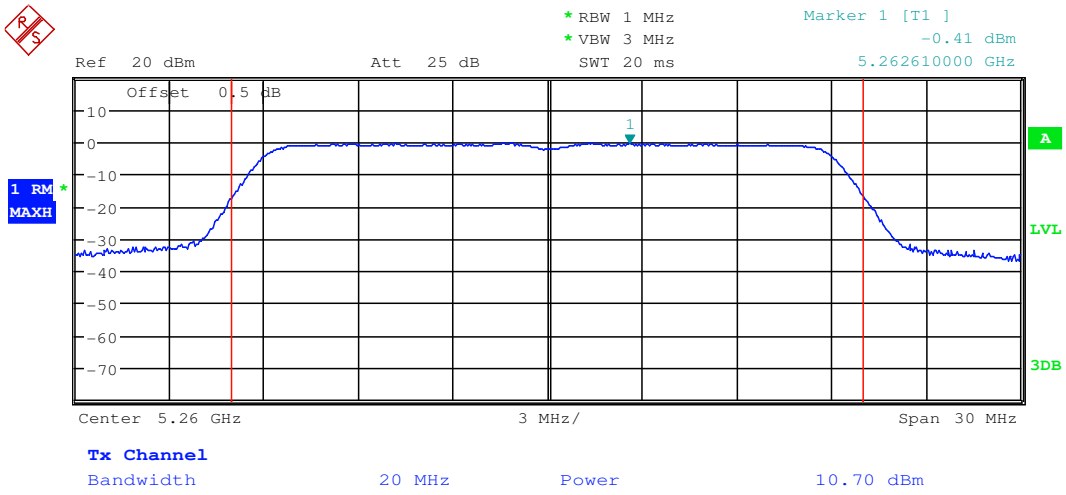
Test mode:	802.11n(HT20)	Frequency(MHz):	5200



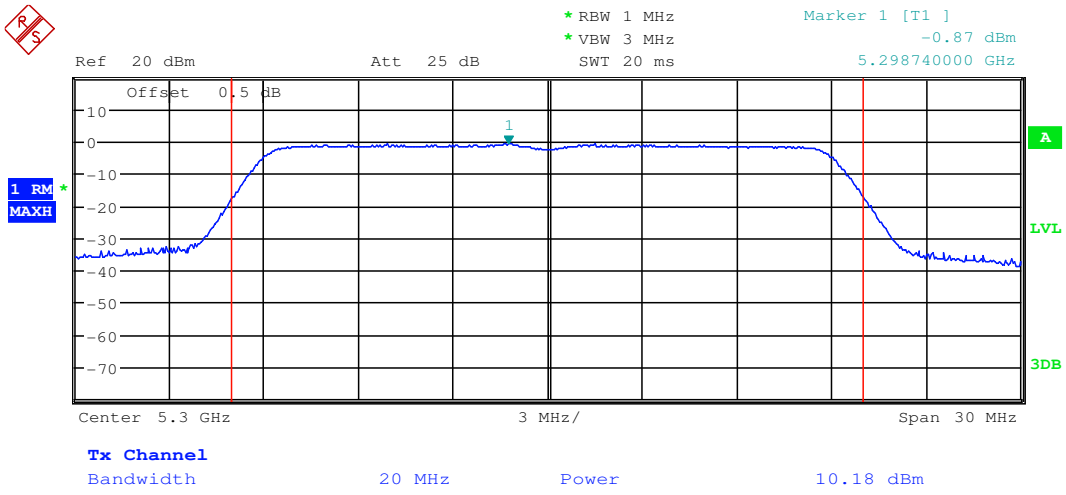
Test mode:	802.11n(HT20)	Frequency(MHz):	5240



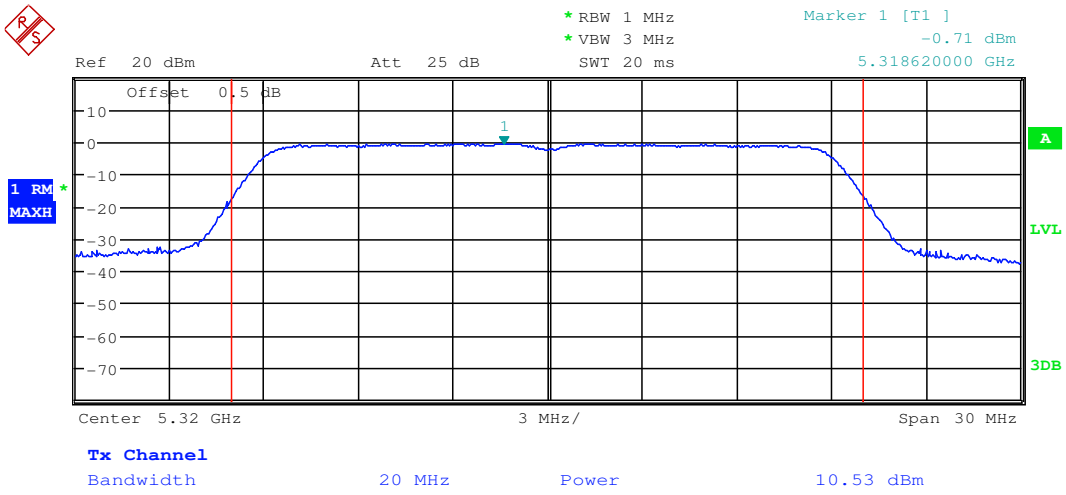
Test mode:	802.11n(HT20)	Frequency(MHz):	5260



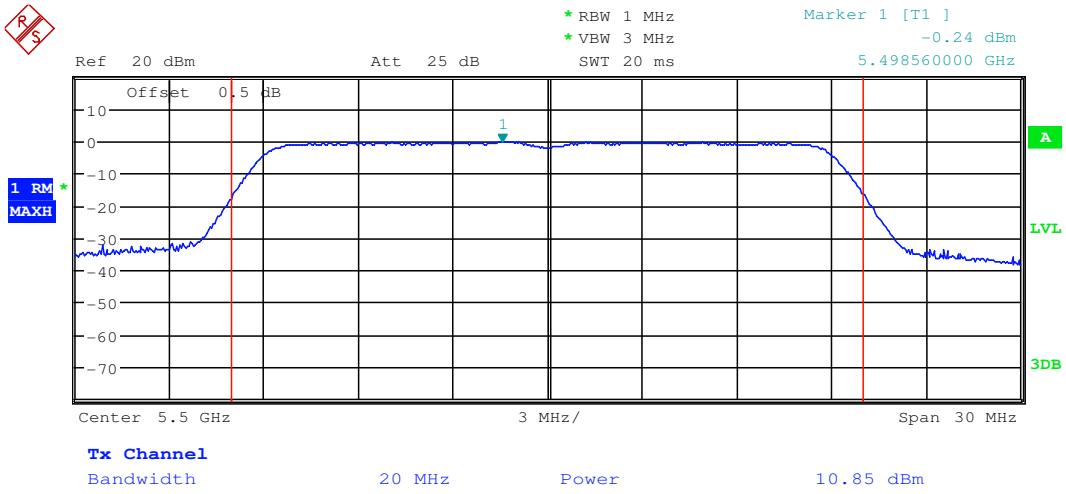
Test mode:	802.11n(HT20)	Frequency(MHz):	5300



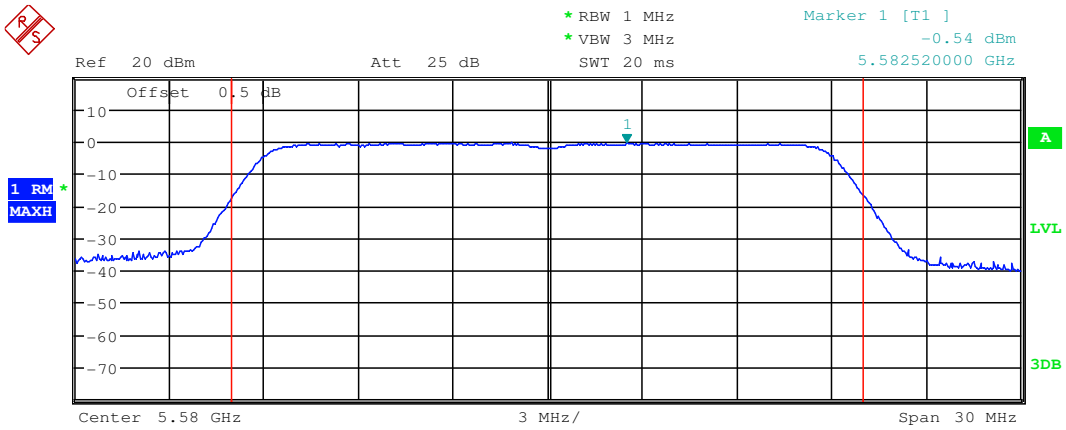
Test mode:	802.11n(HT20)	Frequency(MHz):	5320



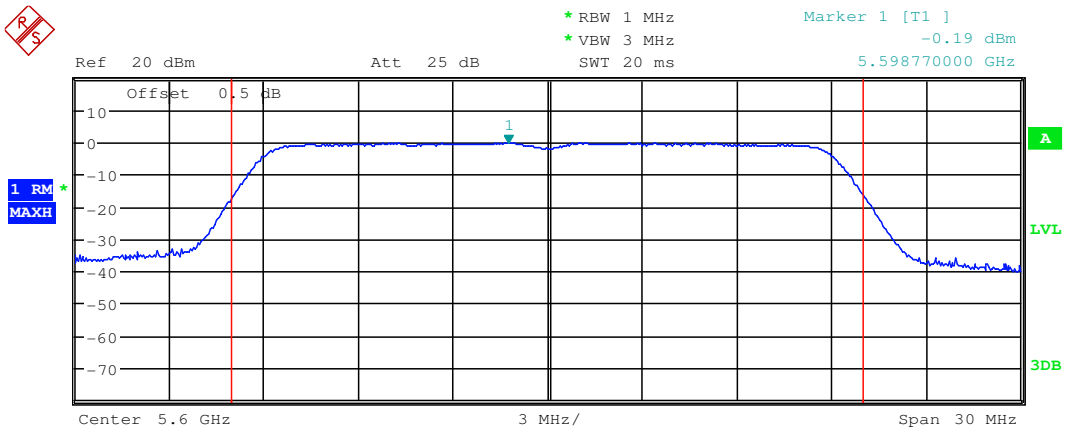
Test mode:	802.11n(HT20)	Frequency(MHz):	5500



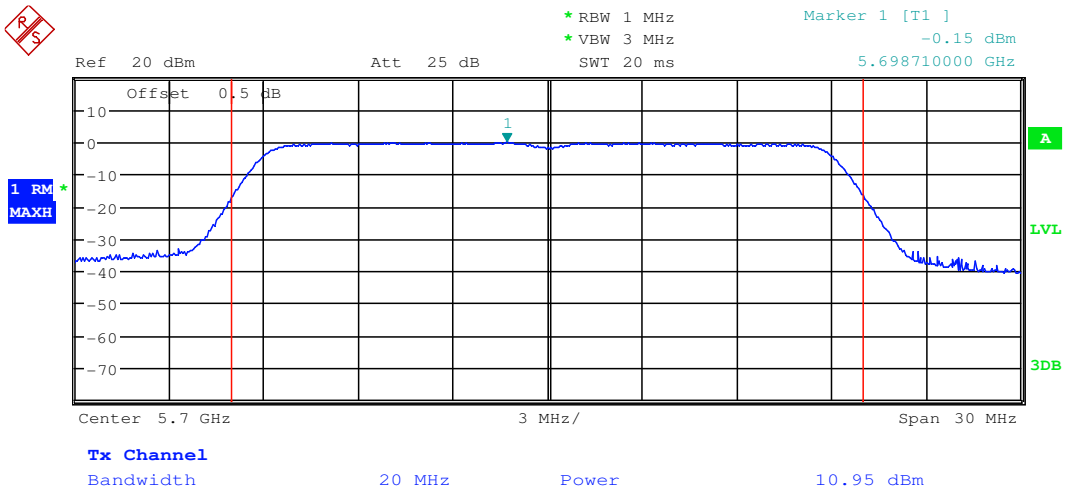
Test mode:	802.11n(HT20)	Frequency(MHz):	5580



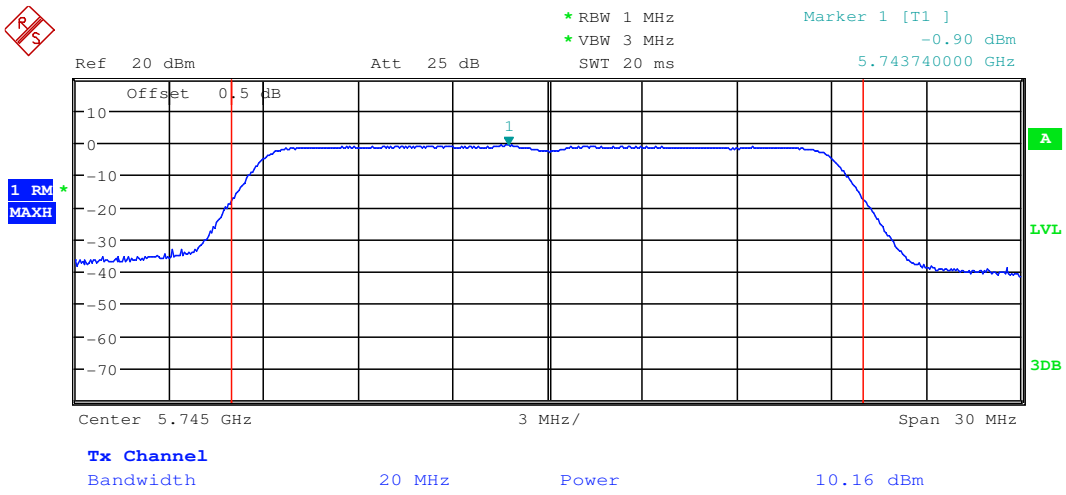
Test mode:	802.11n(HT20)	Frequency(MHz):	5600



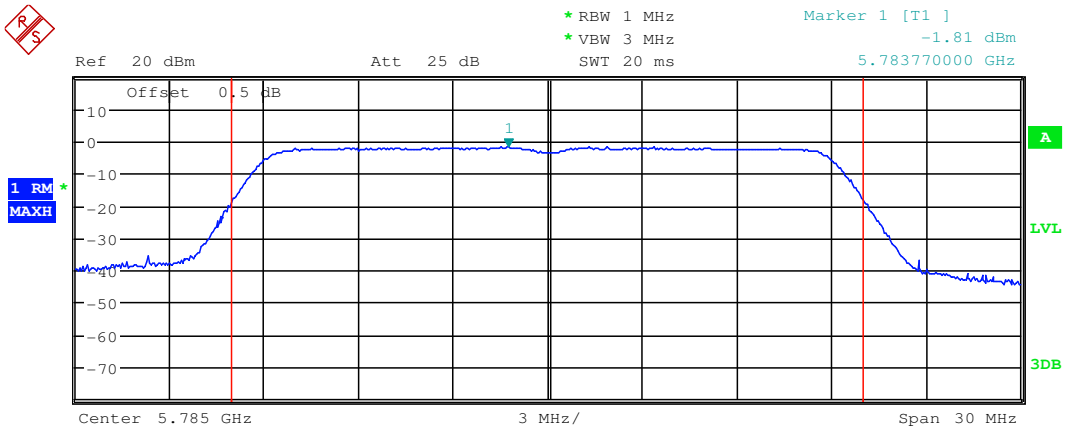
Test mode:	802.11n(HT20)	Frequency(MHz):	5700



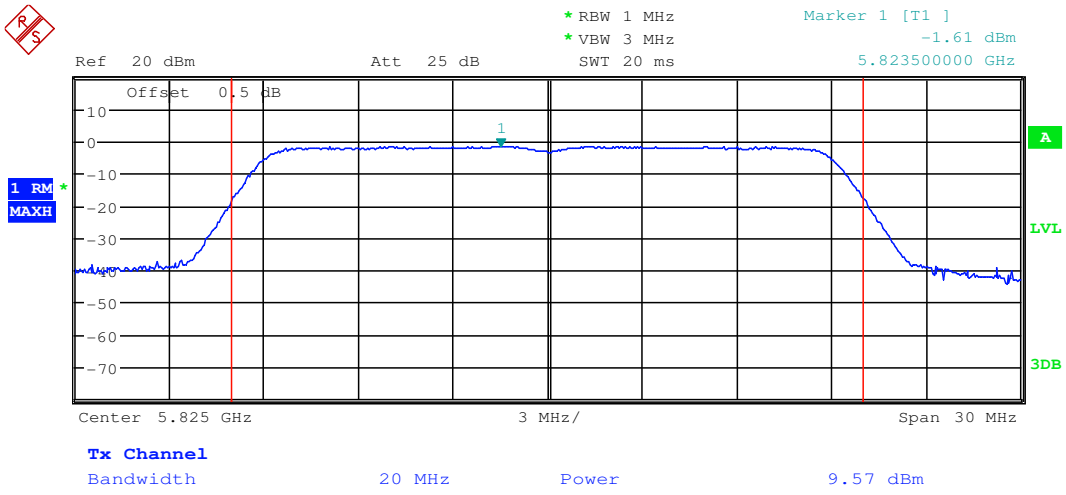
Test mode:	802.11n(HT20)	Frequency(MHz):	5745



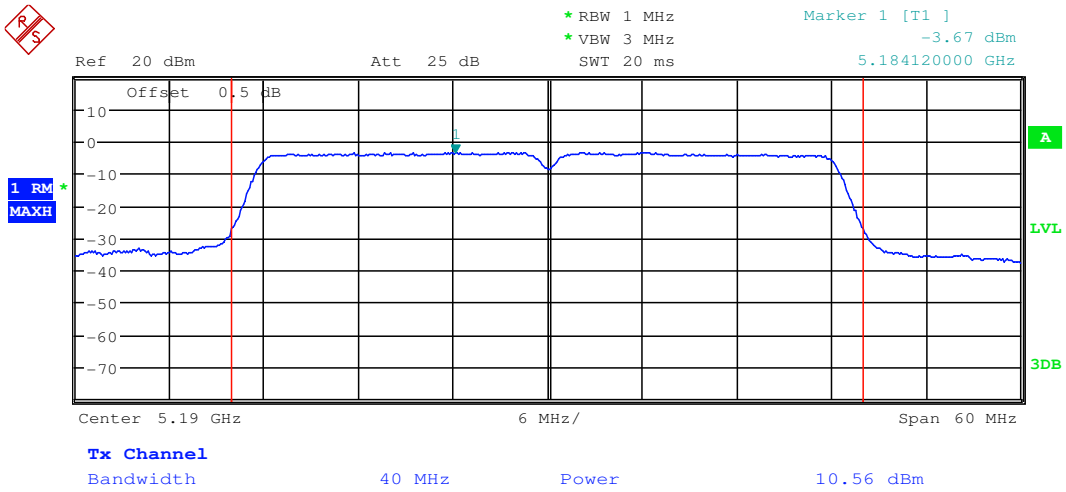
Test mode:	802.11n(HT20)	Frequency(MHz):	5785



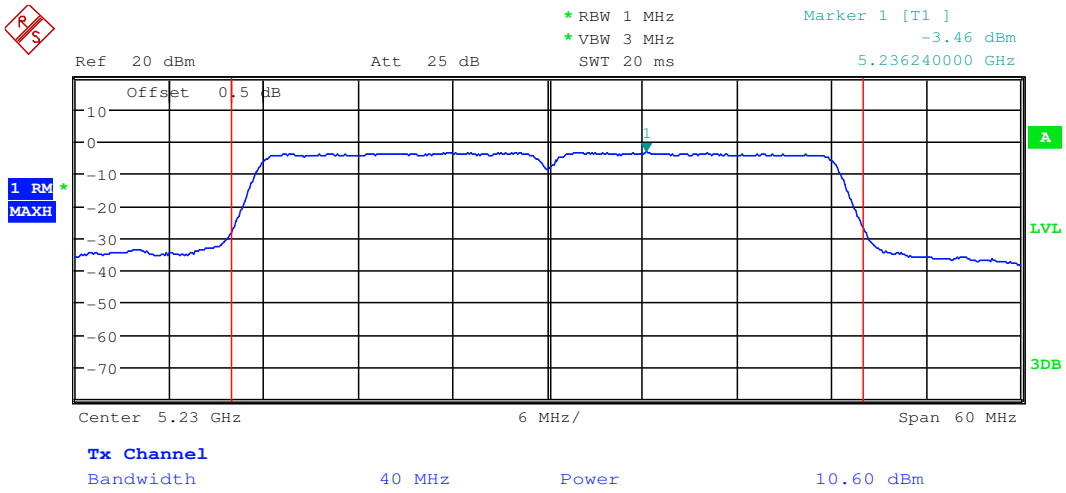
Test mode:	802.11n(HT20)	Frequency(MHz):	5825



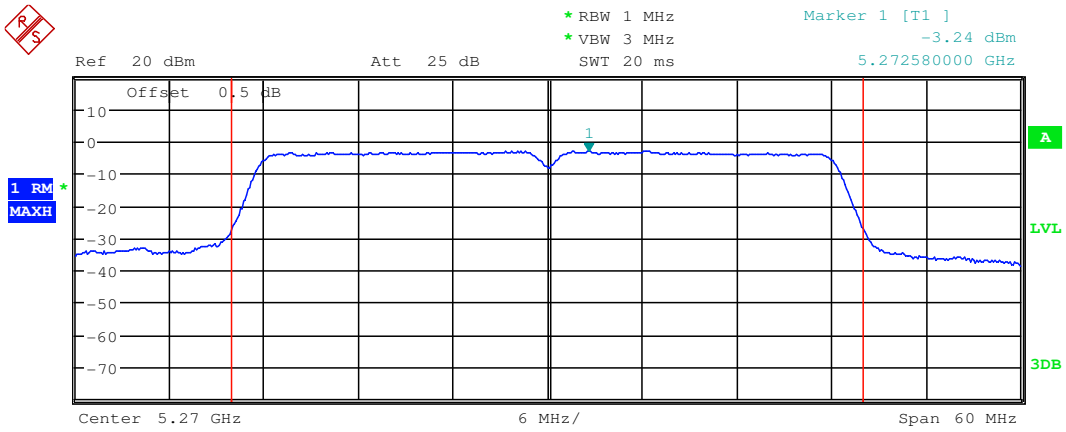
Test mode:	802.11n(HT40)	Frequency(MHz):	5190



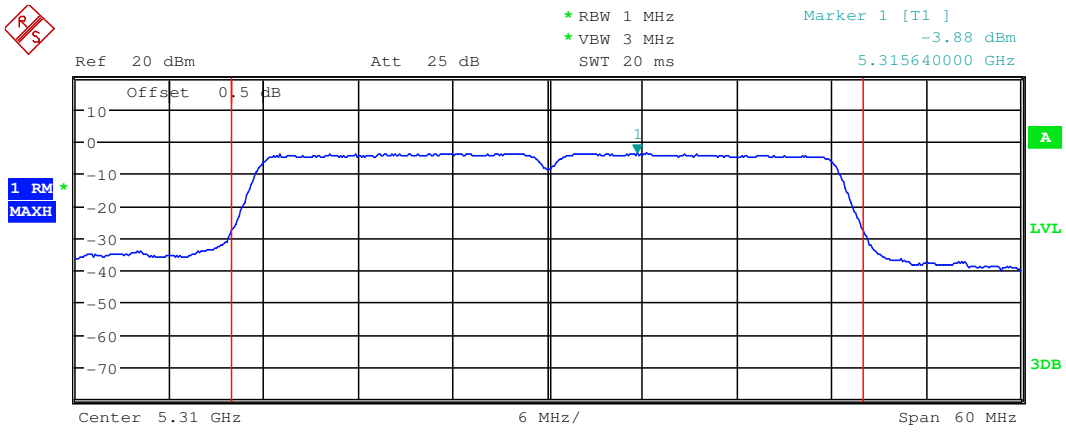
Test mode:	802.11n(HT40)	Frequency(MHz):	5230



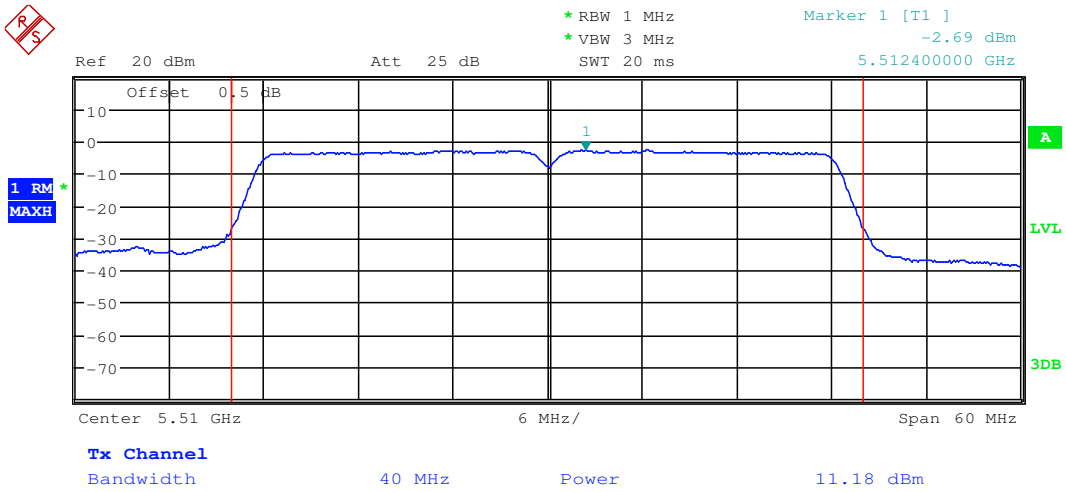
Test mode:	802.11n(HT40)	Frequency(MHz):	5270



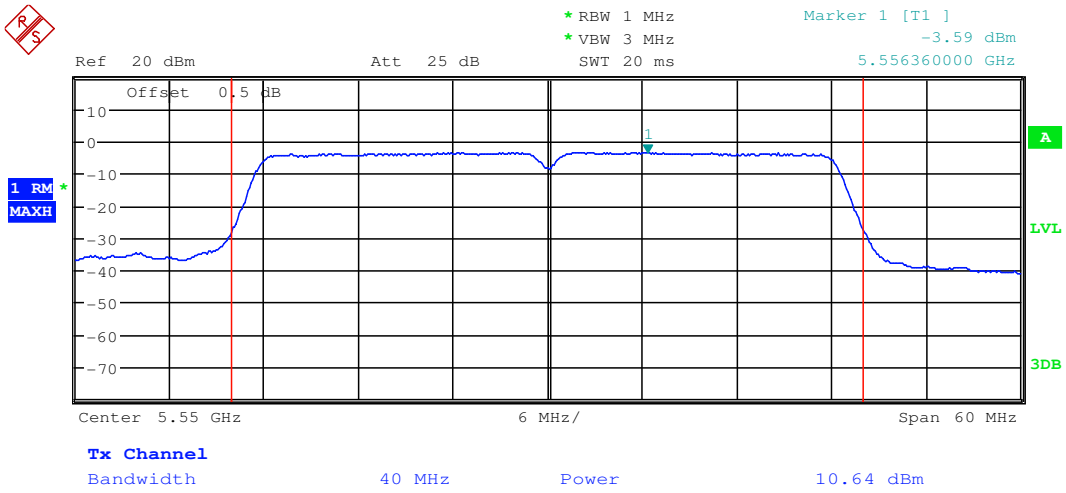
Test mode:	802.11n(HT40)	Frequency(MHz):	5310



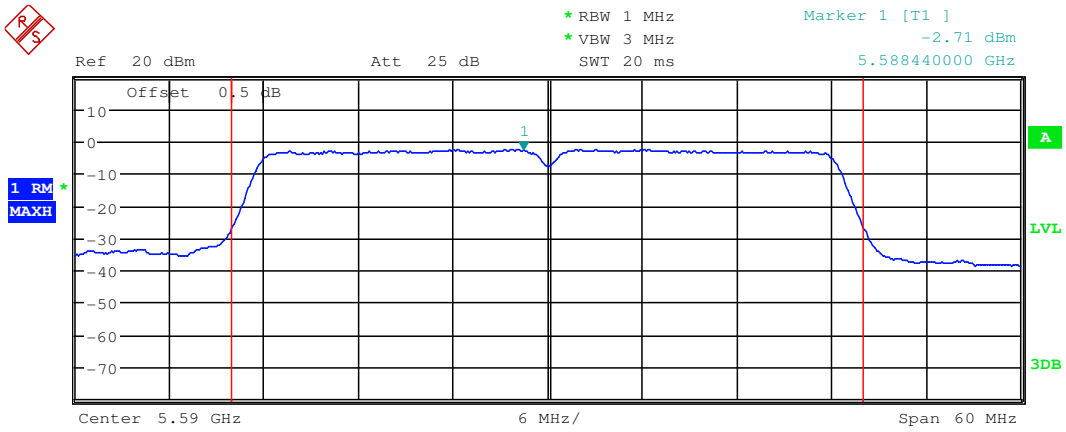
Test mode:	802.11n(HT40)	Frequency(MHz):	5510



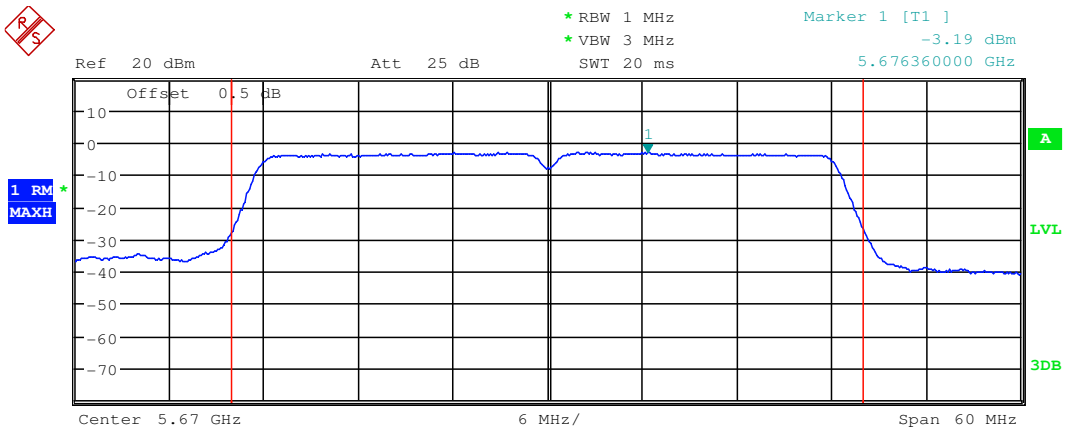
Test mode:	802.11n(HT40)	Frequency(MHz):	5550



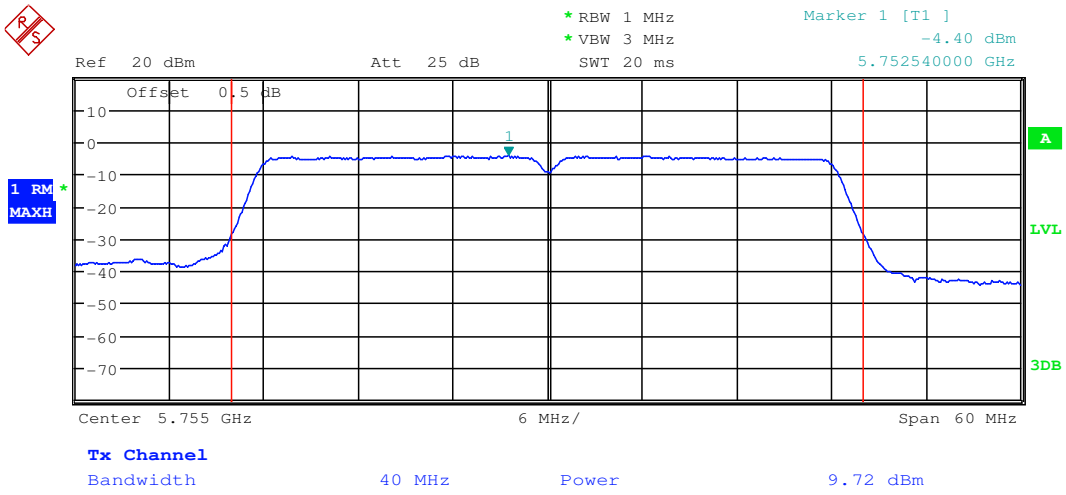
Test mode:	802.11n(HT40)	Frequency(MHz):	5590



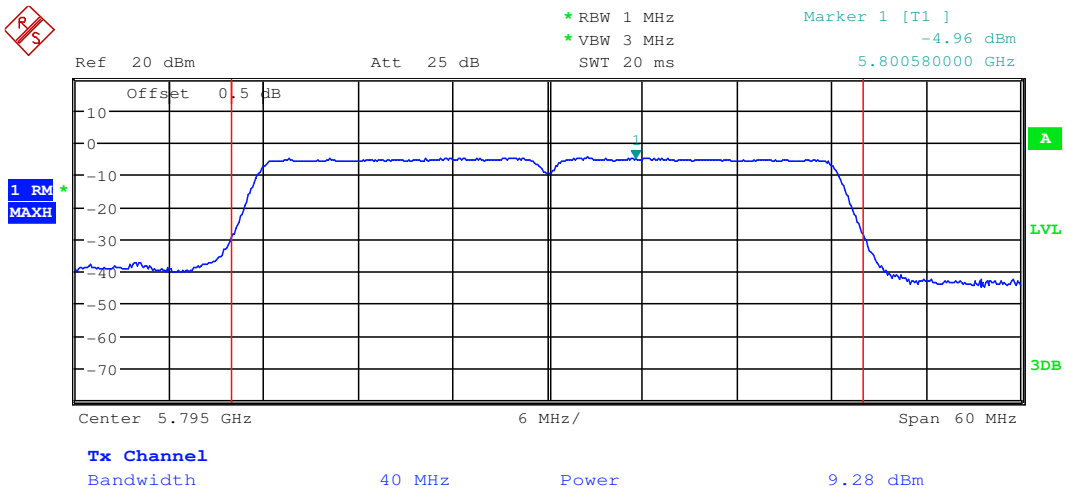
Test mode:	802.11n(HT40)	Frequency(MHz):	5670



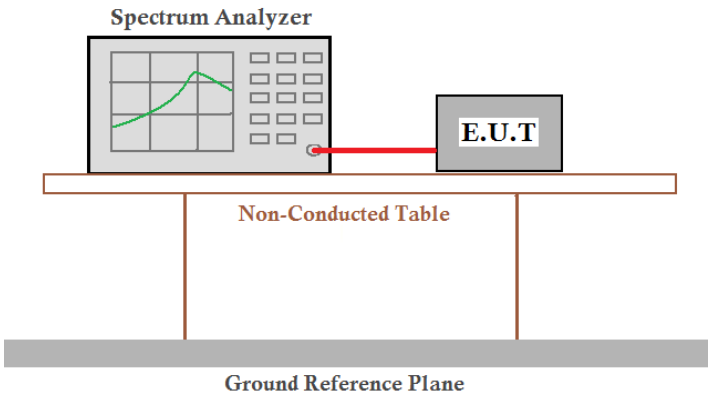
Test mode:	802.11n(HT40)	Frequency(MHz):	5755



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



6.4 Equivalent Isotropic Radiated Power (e.i.r.p.)

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	4W(36dBm) with 6dBi antenna
	5250-5350MHz	1W(30dBm) with 6dBi antenna
	5470-5725MHz	1W(30dBm) with 6dBi antenna
	5725-5850MHz	4W(36dBm) with 6dBi antenna
	*The limit =the maximum output conducted power limit+ actual antenna gain	
Test Results:	Pass	

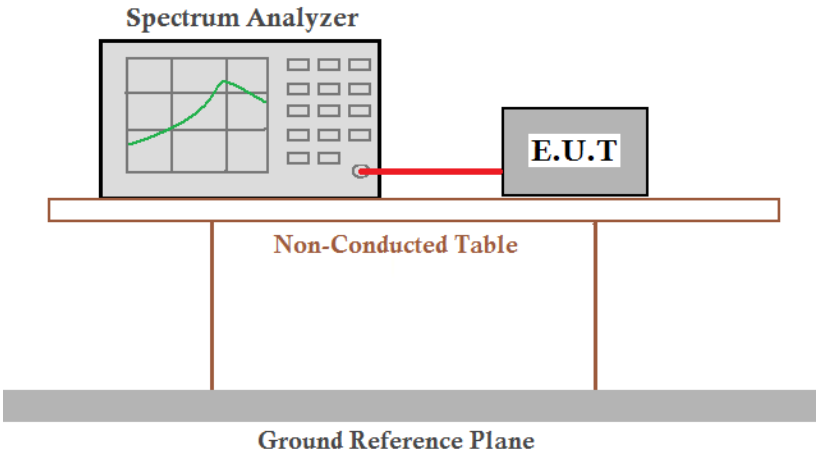
Measurement Data:

802.11a mode			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Result
5180	11.27	24.00	Pass
5200	11.48	24.00	Pass
5240	11.24	24.00	Pass
5260	11.50	24.00	Pass
5300	11.47	24.00	Pass
5320	11.05	24.00	Pass
5500	11.84	24.00	Pass
5580	11.49	24.00	Pass
5600	11.60	24.00	Pass
5700	11.67	24.00	Pass
5745	11.10	30.00	Pass
5785	10.12	30.00	Pass
5825	10.51	30.00	Pass

802.11n(HT20) mode			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Result
5180	11.47	24.00	Pass
5220	11.01	24.00	Pass
5240	11.71	24.00	Pass
5260	11.65	24.00	Pass
5300	11.13	24.00	Pass
5320	11.48	24.00	Pass
5500	11.80	24.00	Pass
5580	11.59	24.00	Pass
5600	11.84	24.00	Pass
5700	11.90	24.00	Pass
5745	11.11	30.00	Pass
5785	10.24	30.00	Pass
5825	10.52	30.00	Pass

802.11n(40) mode			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Result
5190	11.51	24.00	Pass
5230	11.55	24.00	Pass
5270	11.87	24.00	Pass
5310	11.22	24.00	Pass
5510	12.13	24.00	Pass
5550	11.59	24.00	Pass
5590	12.39	24.00	Pass
5670	11.86	24.00	Pass
5755	10.67	30.00	Pass
5795	10.23	30.00	Pass

6.5 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	19.54	16.44
5200	19.36	16.44
5240	19.59	16.44
5260	19.55	16.44
5300	19.49	16.44
5320	19.54	16.44
5500	19.42	16.44
5580	19.22	16.41
5600	19.43	16.41
5700	19.46	16.41
5745	--	16.41
5785	--	16.41
5825	--	16.38

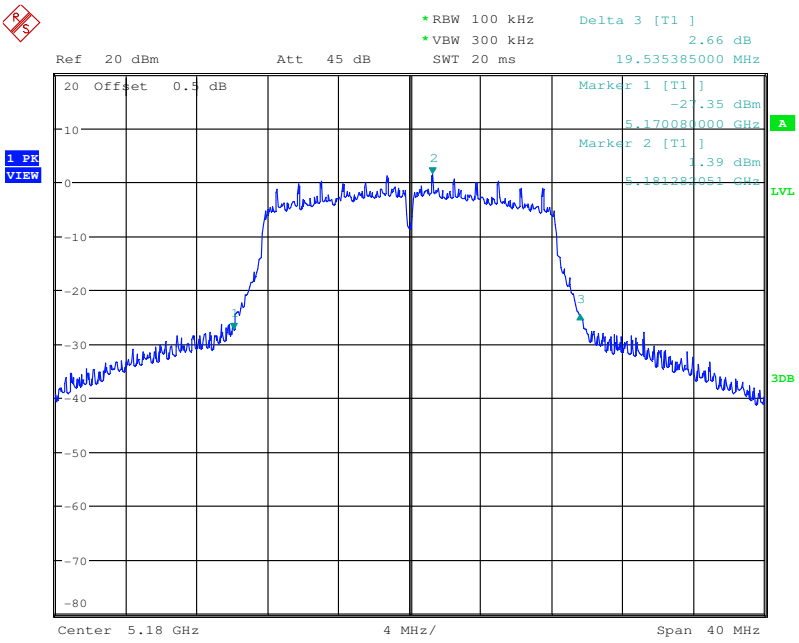
802.11n(HT20) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	19.61	17.58
5200	19.76	17.58
5240	19.61	17.58
5260	19.74	17.58
5300	19.74	17.58
5320	19.56	17.58
5500	19.68	17.58
5580	19.61	17.58
5600	19.56	17.58
5700	19.50	17.58
5745	--	17.58
5785	--	17.58
5825	--	17.58

802.11n(HT40) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	38.97	35.94
5230	39.50	35.88
5270	38.96	35.88
5310	38.72	35.88
5510	38.80	35.88
5550	38.72	35.88
5590	38.72	35.88
5670	38.72	35.88
5755	--	35.88
5795	--	35.88

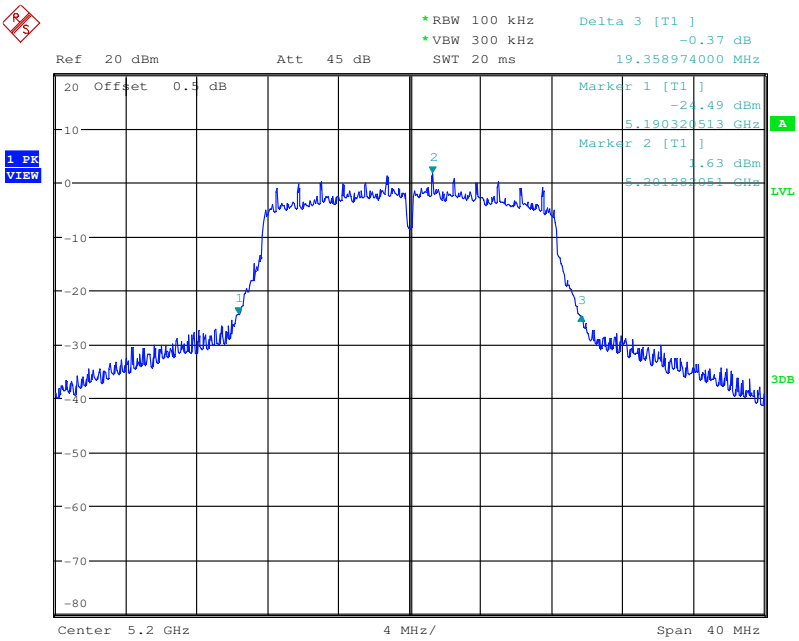
26dB Emission Bandwidth

Test plot as follows:

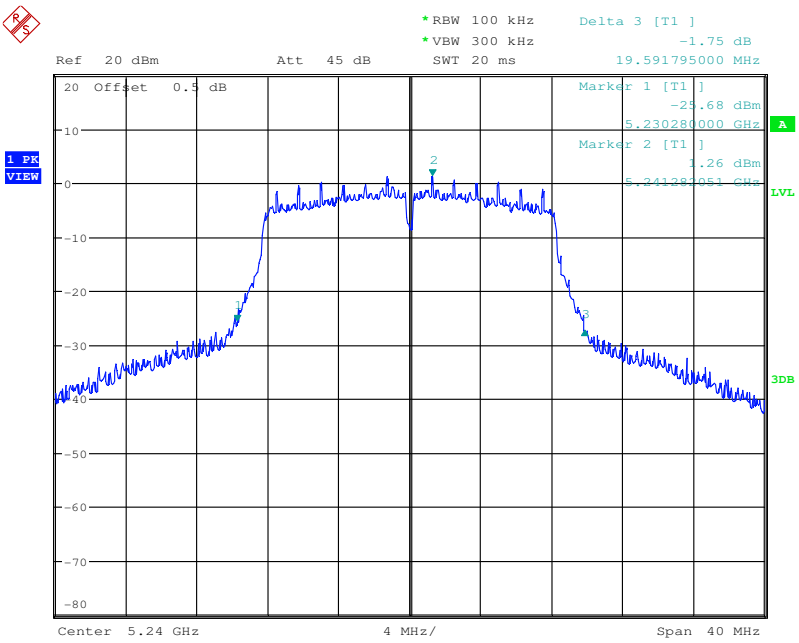
Test mode:	802.11a	Frequency(MHz):	5180



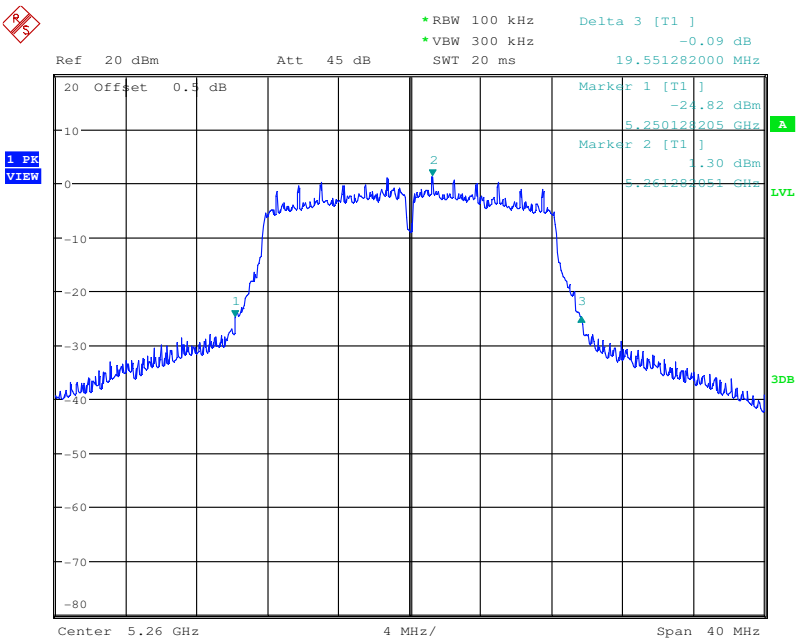
Test mode:	802.11a	Frequency(MHz):	5200



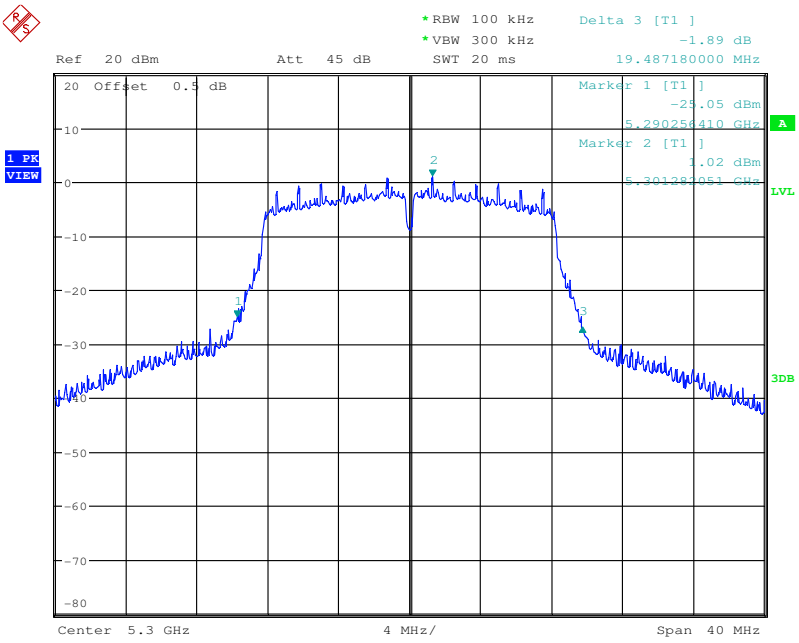
Test mode:	802.11a	Frequency(MHz):	5240



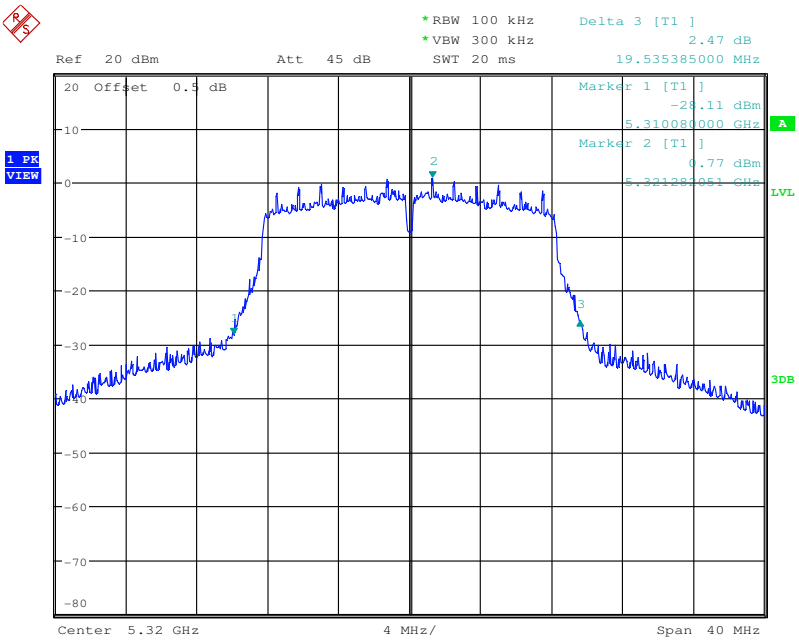
Test mode:	802.11a	Frequency(MHz):	5260



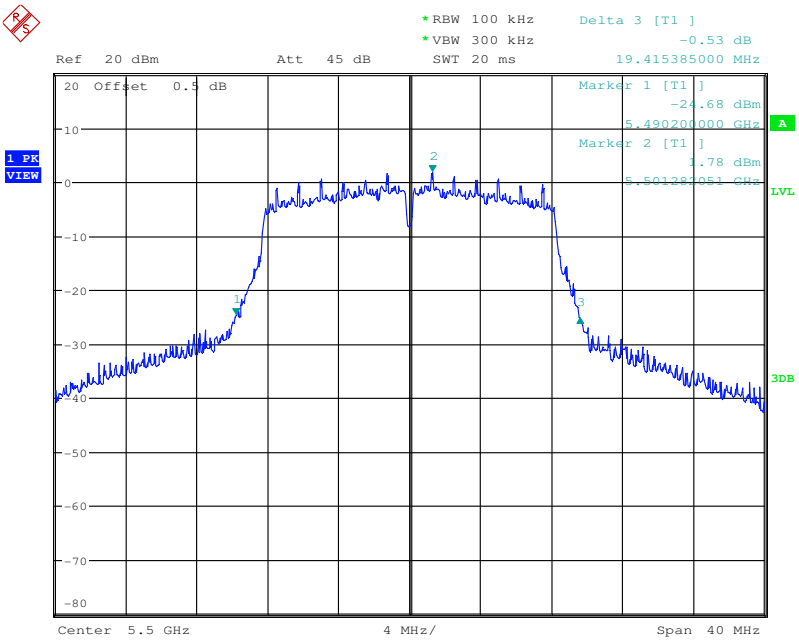
Test mode:	802.11a	Frequency(MHz):	5300



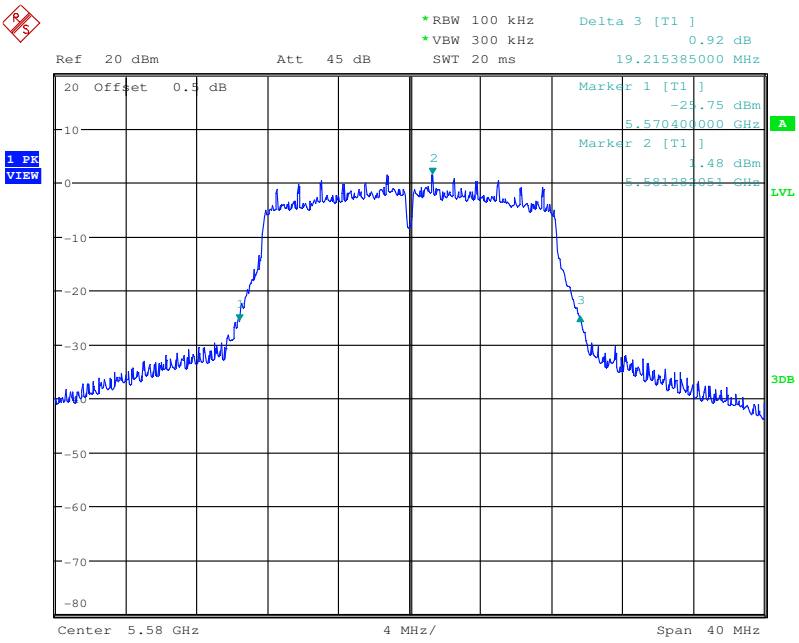
Test mode:	802.11a	Frequency(MHz):	5320



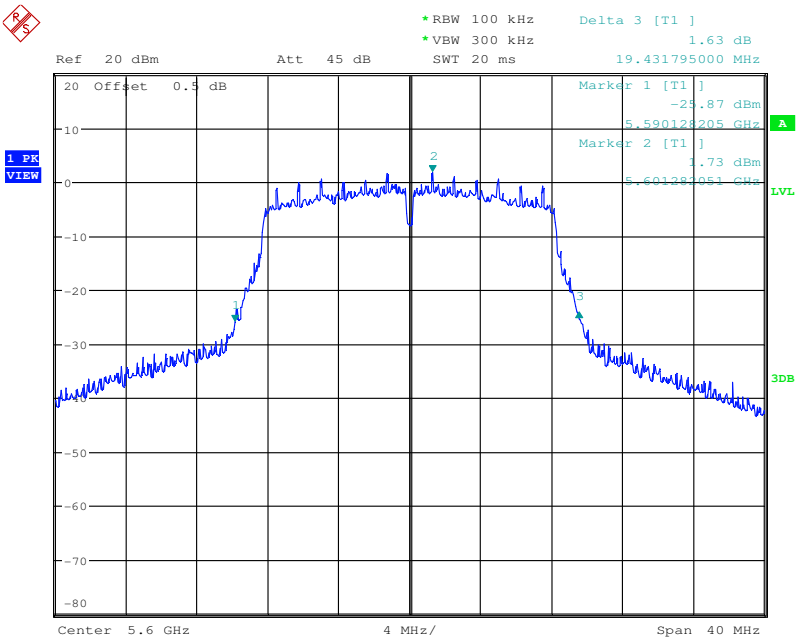
Test mode:	802.11a	Frequency(MHz):	5500



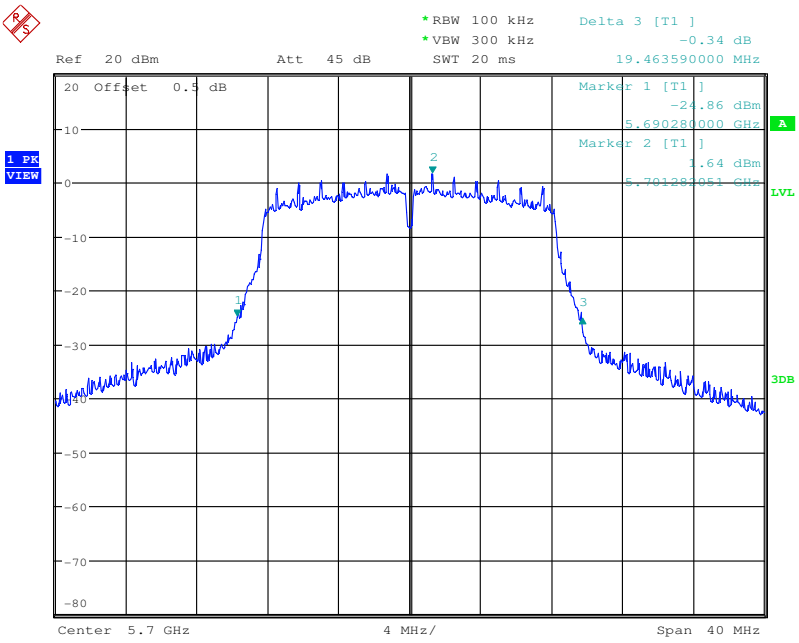
Test mode:	802.11a	Frequency(MHz):	5580



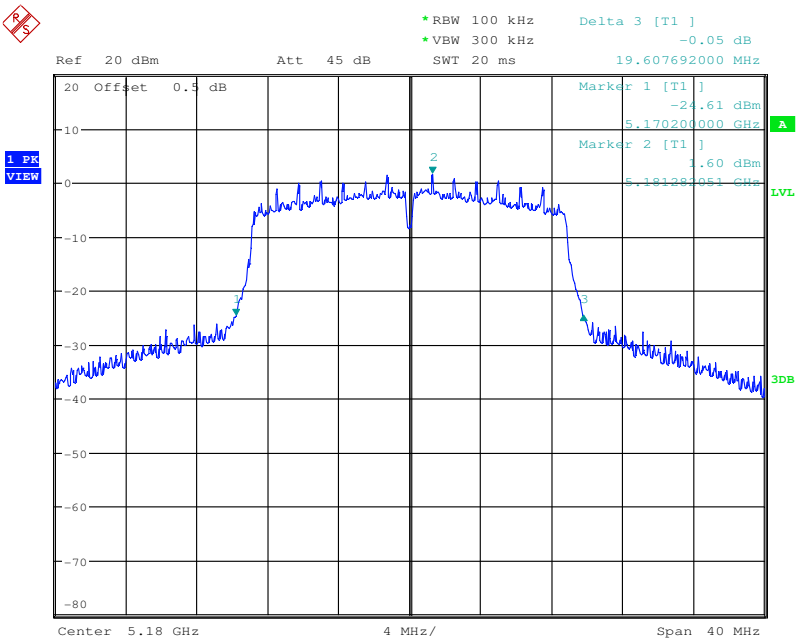
Test mode:	802.11a	Frequency(MHz):	5600



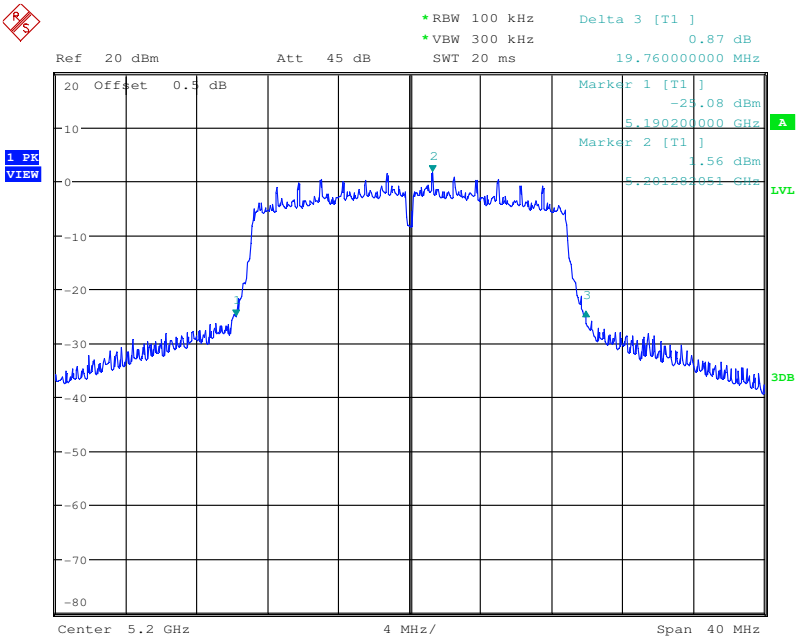
Test mode:	802.11a	Frequency(MHz):	5700



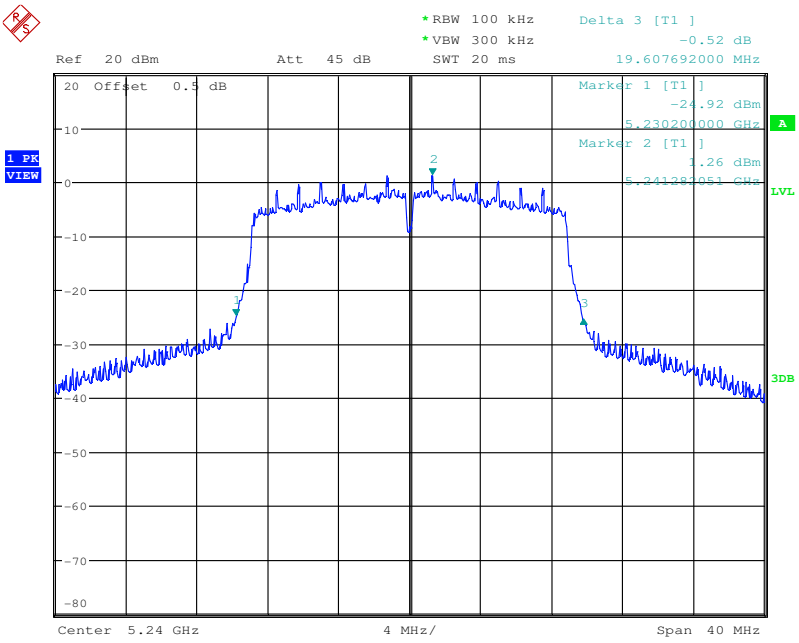
Test mode:	802.11n(HT20)	Frequency(MHz):	5180



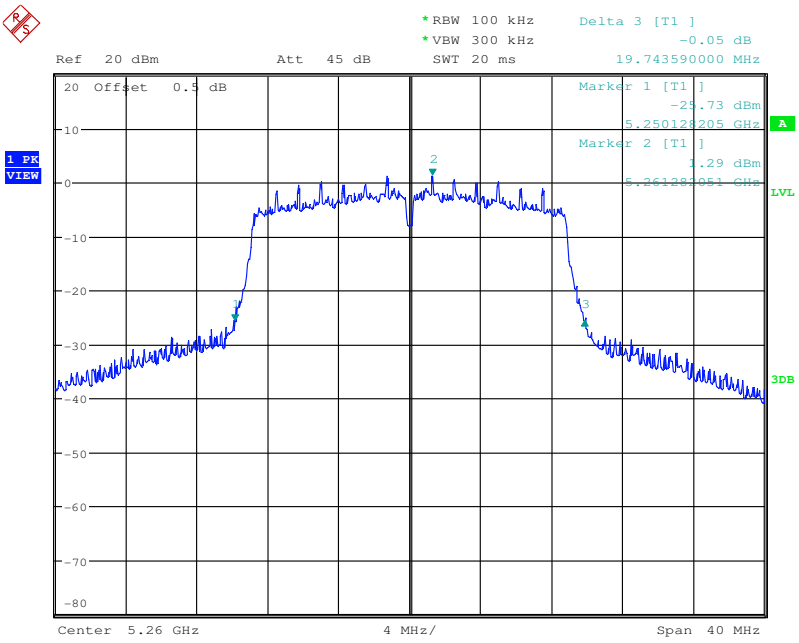
Test mode:	802.11n(HT20)	Frequency(MHz):	5200



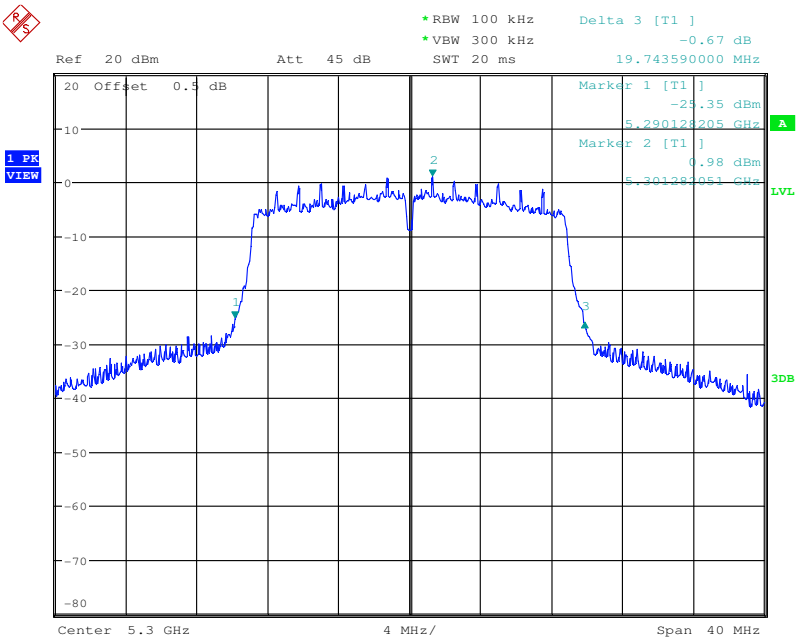
Test mode:	802.11n(HT20)	Frequency(MHz):	5240



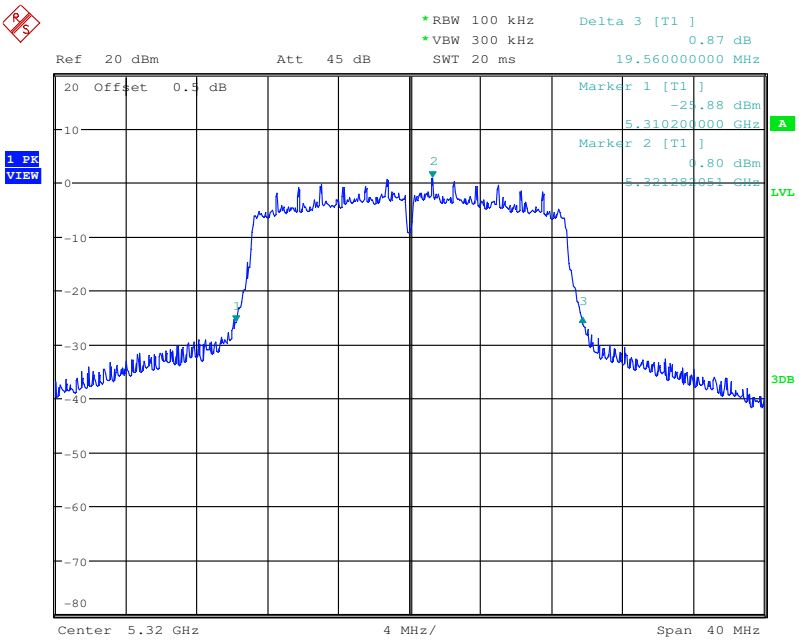
Test mode:	802.11n(HT20)	Frequency(MHz):	5260



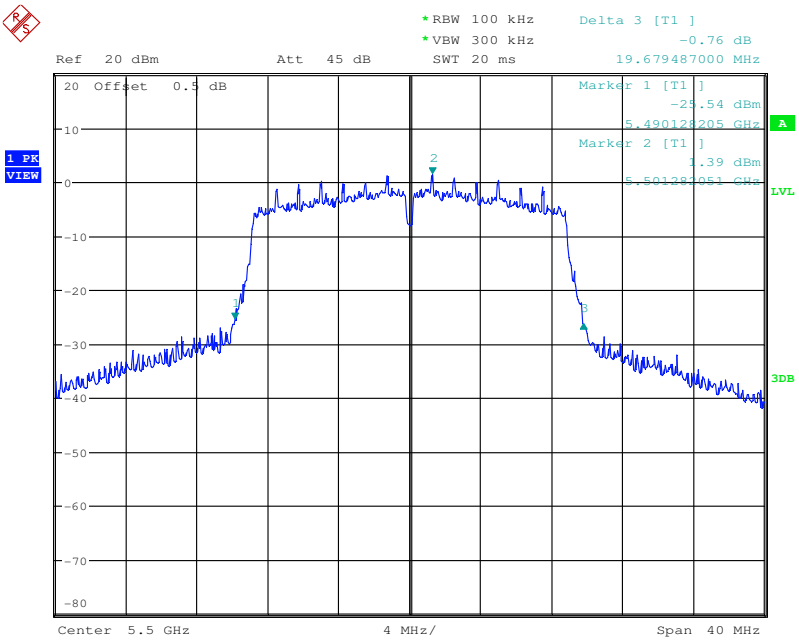
Test mode:	802.11n(HT20)	Frequency(MHz):	5300



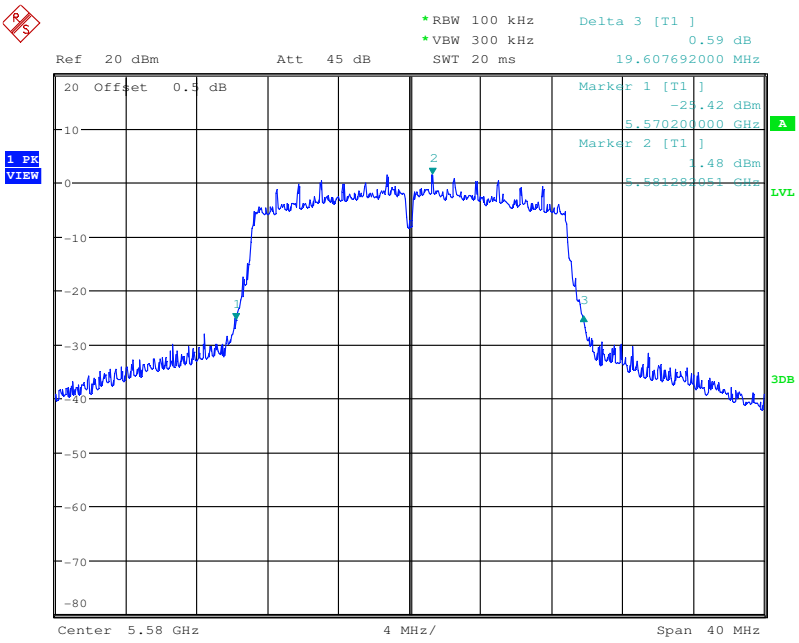
Test mode:	802.11n(HT20)	Frequency(MHz):	5320



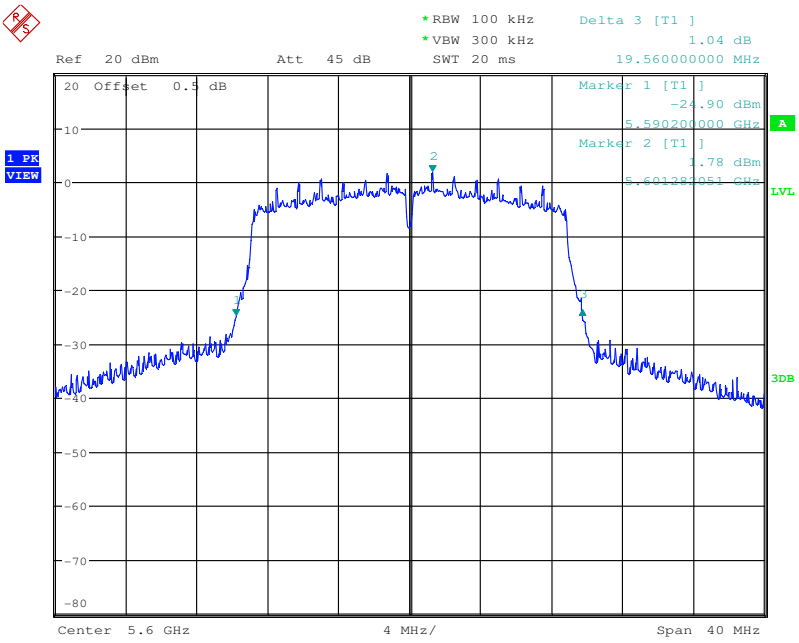
Test mode:	802.11n(HT20)	Frequency(MHz):	5500



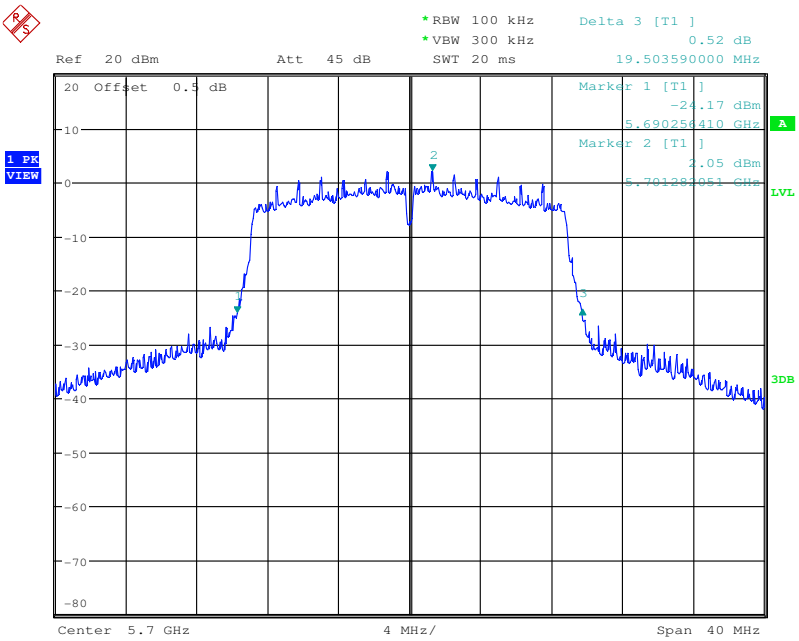
Test mode:	802.11n(HT20)	Frequency(MHz):	5580



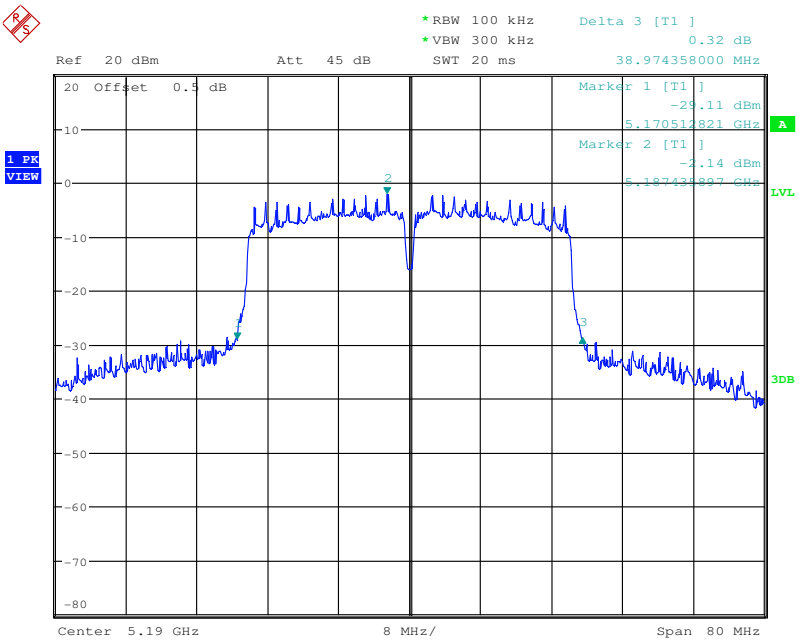
Test mode:	802.11n(HT20)	Frequency(MHz):	5600



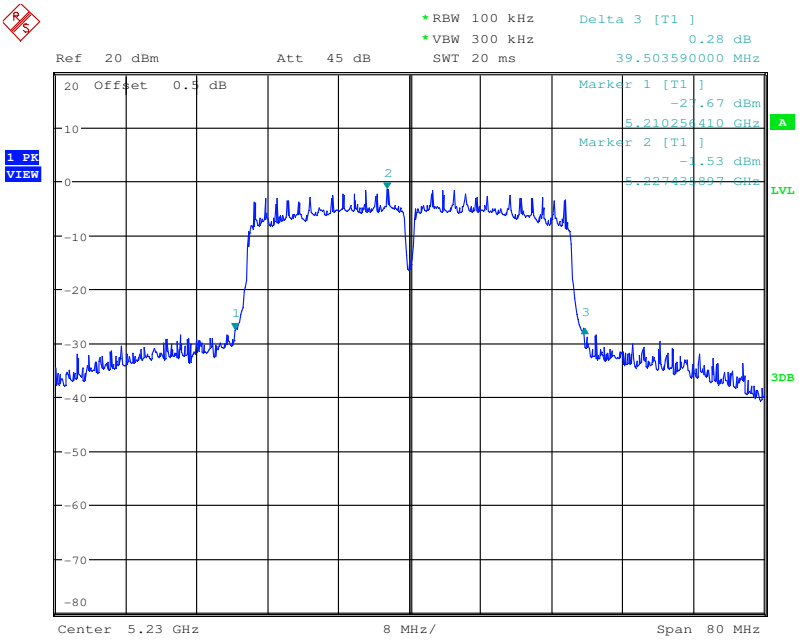
Test mode:	802.11n(HT20)	Frequency(MHz):	5700



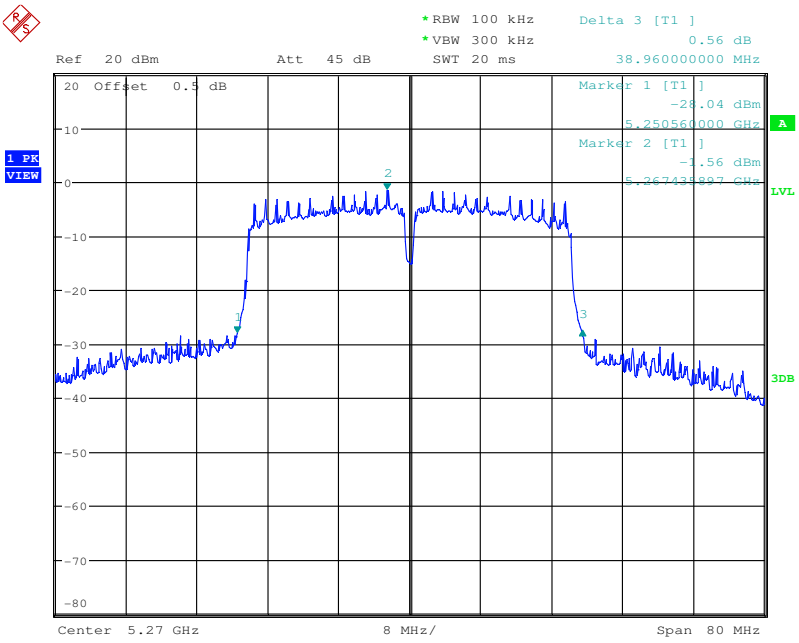
Test mode:	802.11n(HT40)	Frequency(MHz):	5190



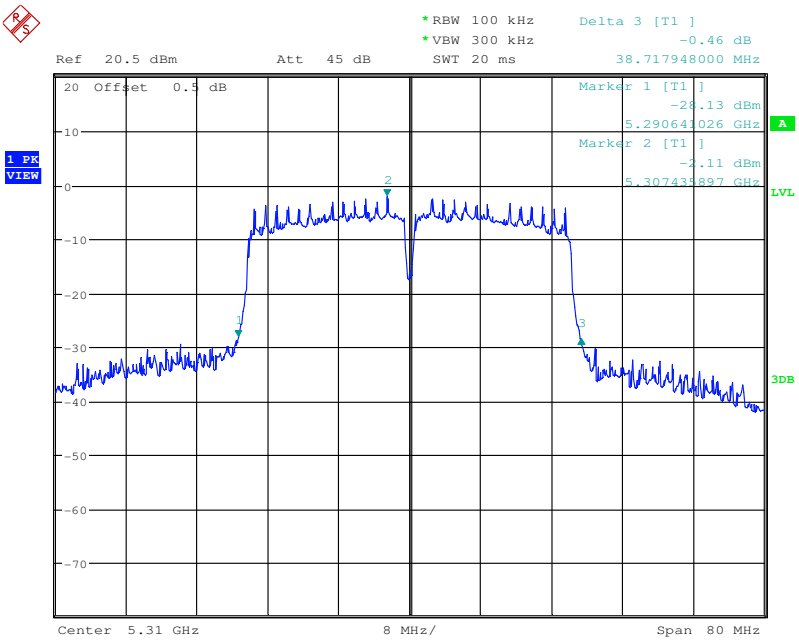
Test mode:	802.11n(HT40)	Frequency(MHz):	5230



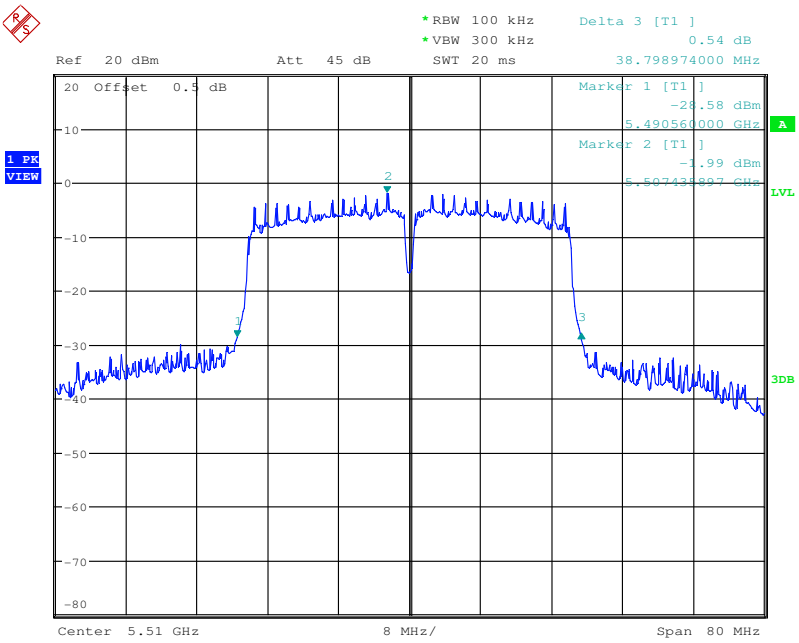
Test mode:	802.11n(HT40)	Frequency(MHz):	5270



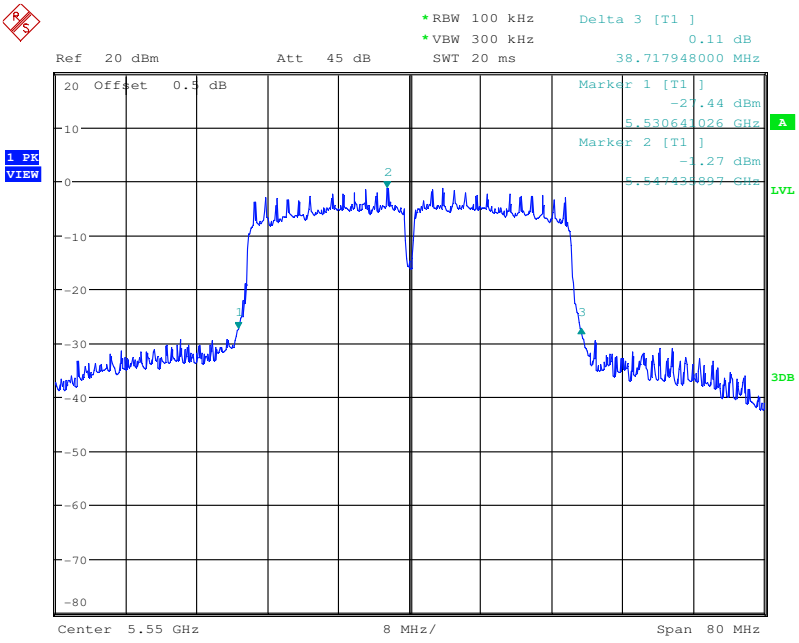
Test mode:	802.11n(HT40)	Frequency(MHz):	5310



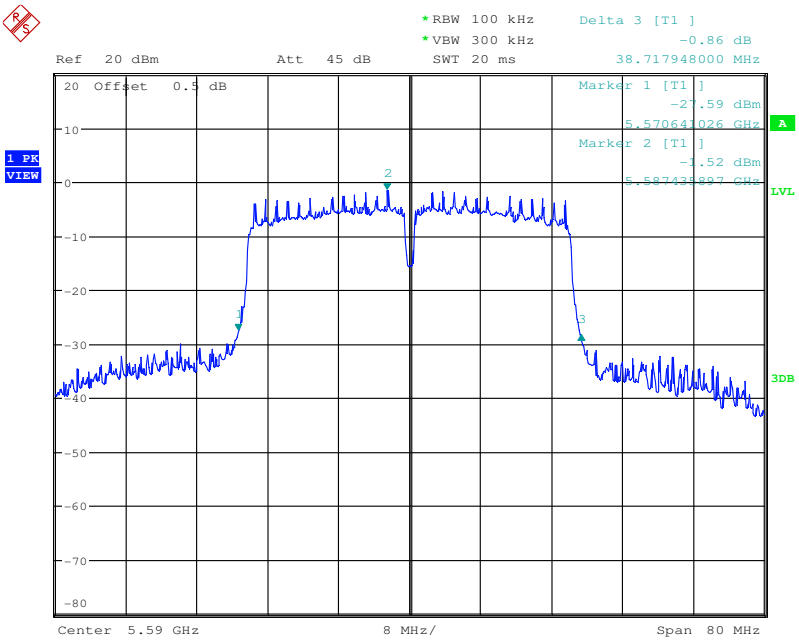
Test mode:	802.11n(HT40)	Frequency(MHz):	5510



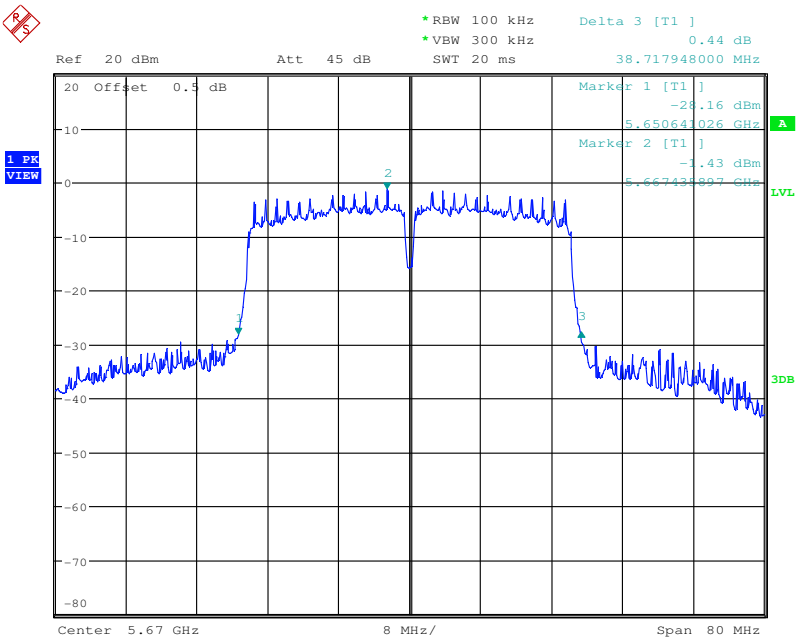
Test mode:	802.11n(HT40)	Frequency(MHz):	5550



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



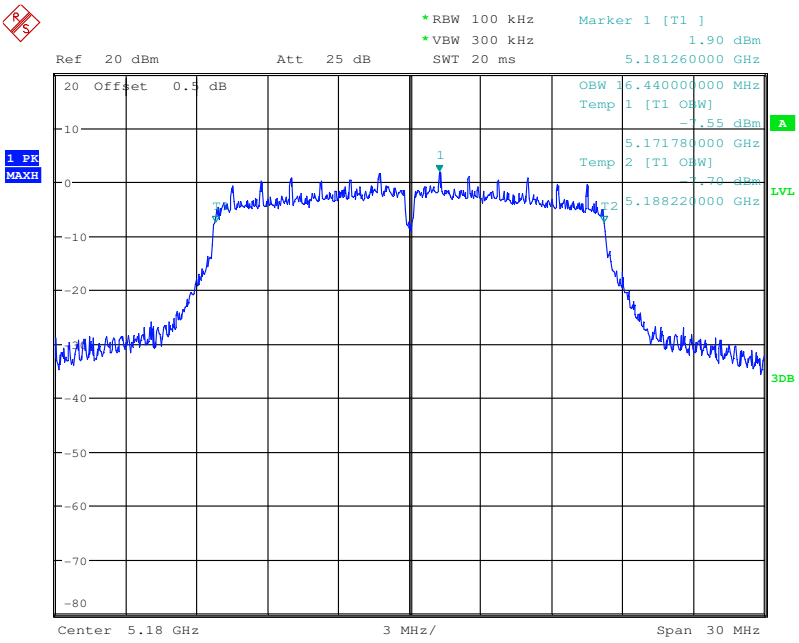
Test mode:	802.11n(HT40)	Frequency(MHz):	5670



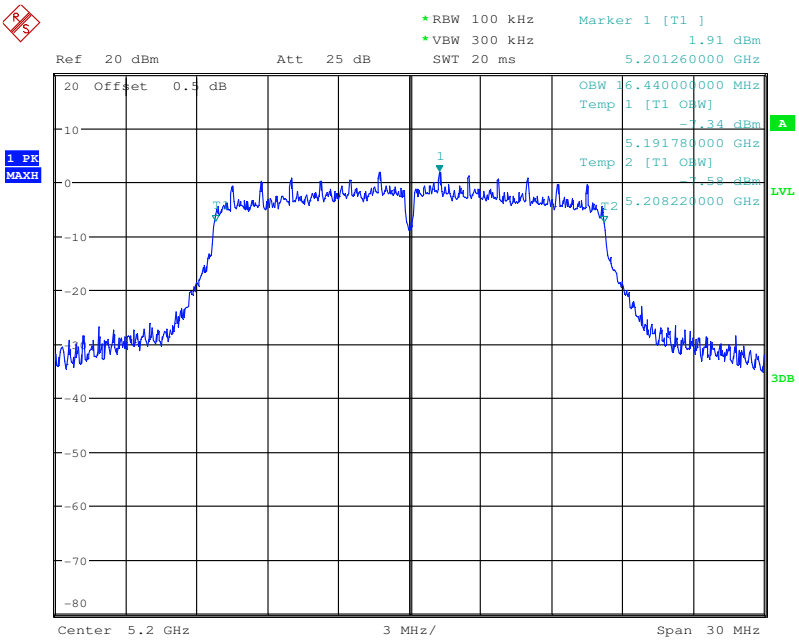
99% occupied bandwidth

Test plot as follows:

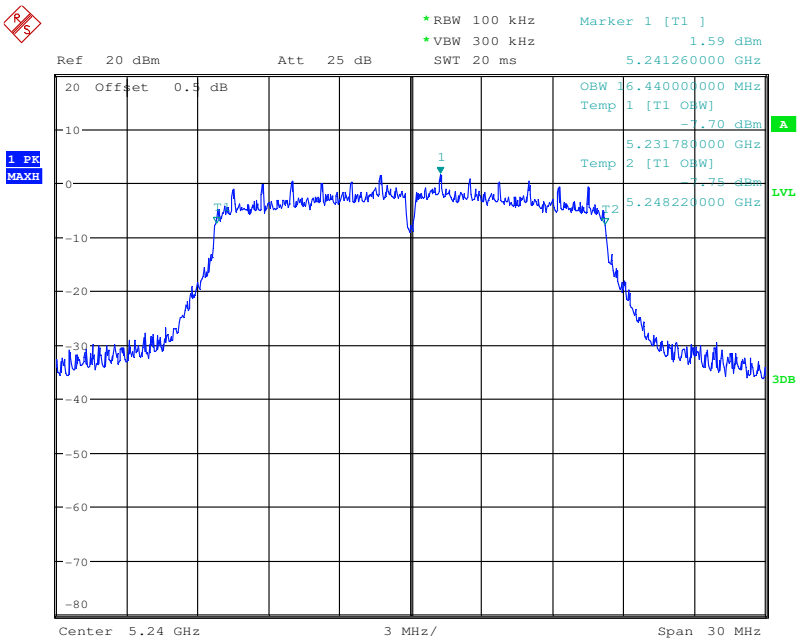
Test mode:	802.11a	Frequency(MHz):	5180



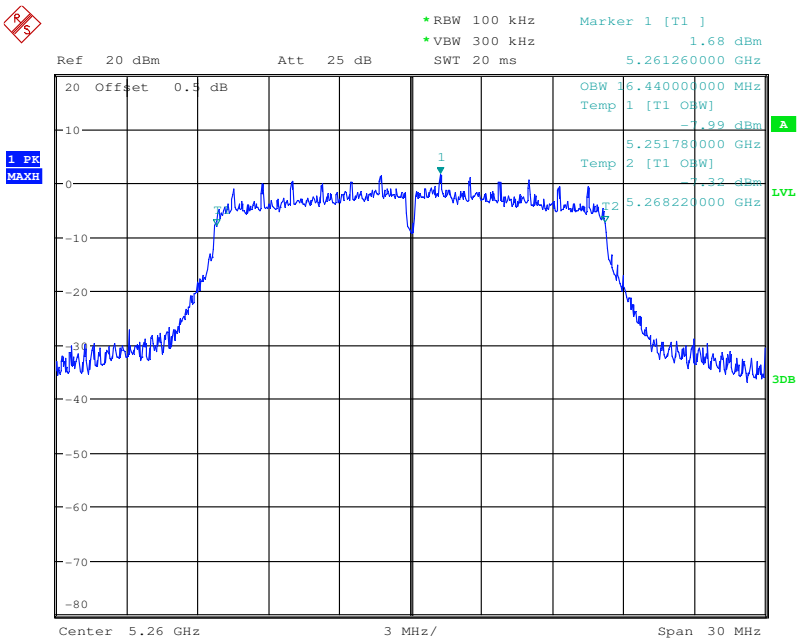
Test mode:	802.11a	Frequency(MHz):	5200



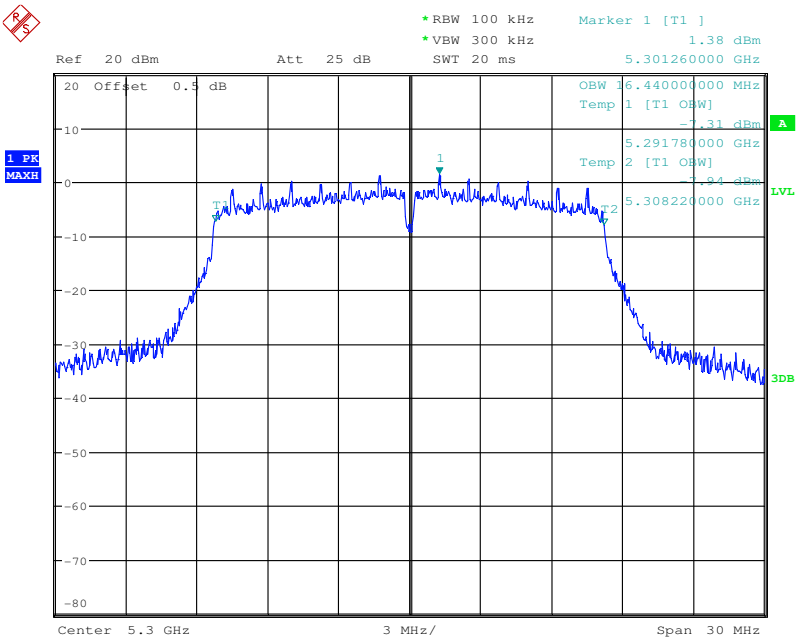
Test mode:	802.11a	Frequency(MHz):	5240



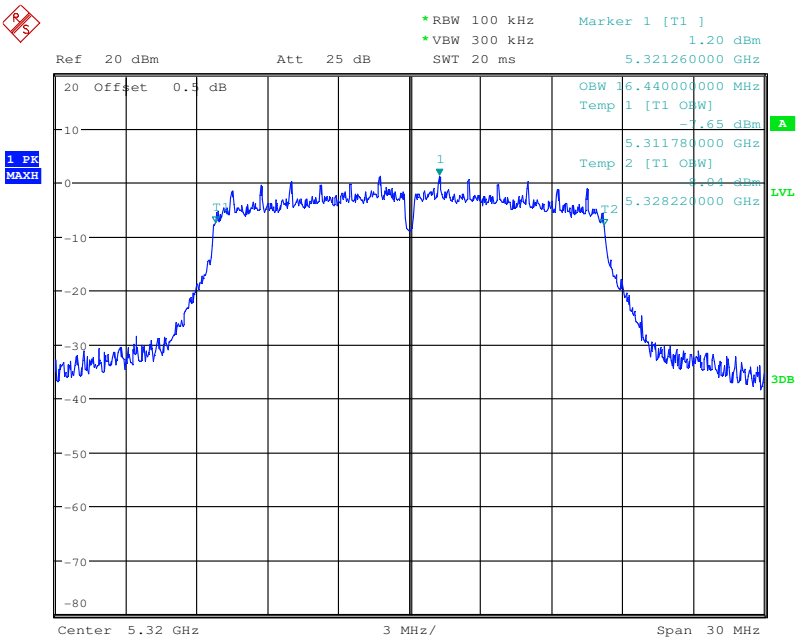
Test mode:	802.11a	Frequency(MHz):	5260



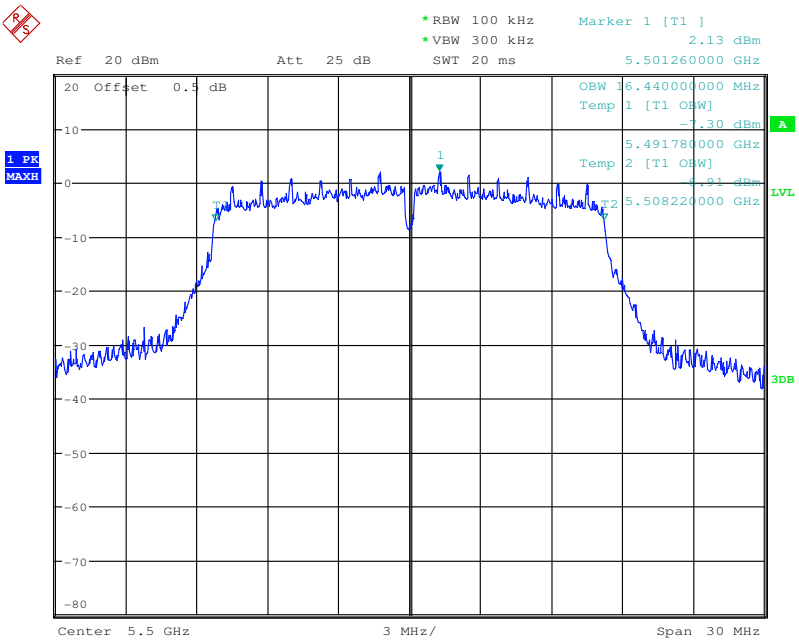
Test mode:	802.11a	Frequency(MHz):	5300



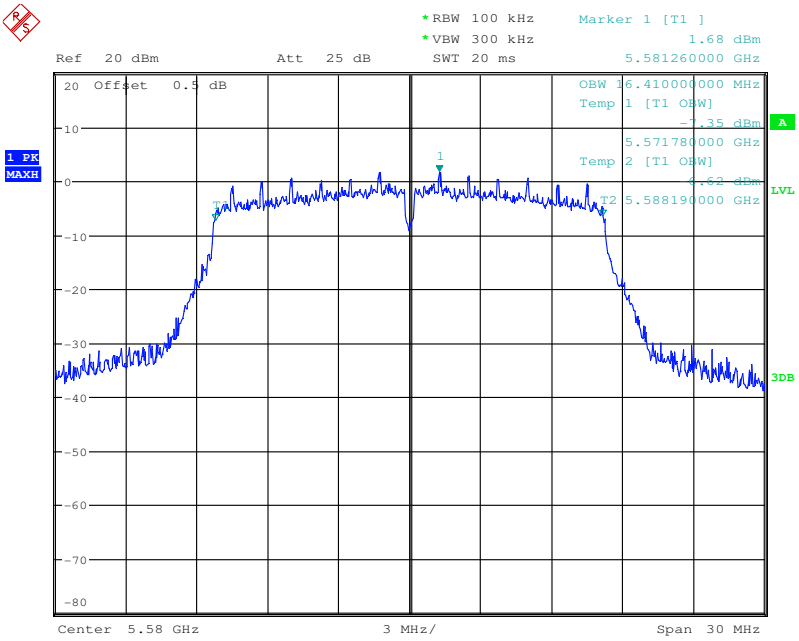
Test mode:	802.11a	Frequency(MHz):	5320



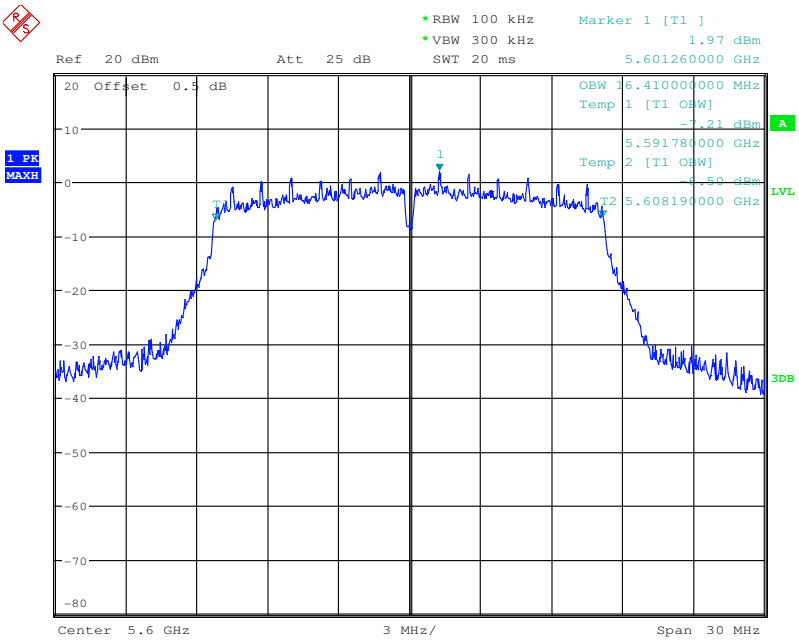
Test mode:	802.11a	Frequency(MHz):	5500



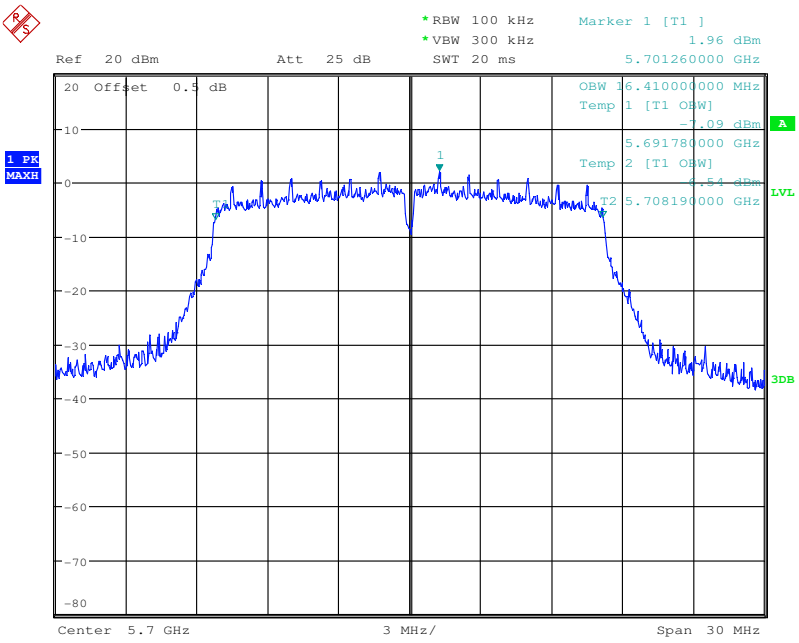
Test mode:	802.11a	Frequency(MHz):	5580



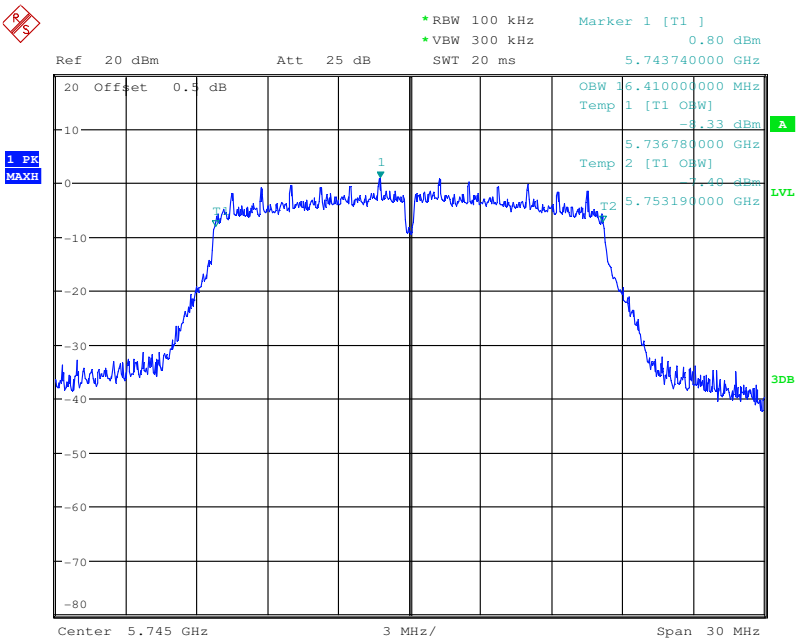
Test mode:	802.11a	Frequency(MHz):	5600



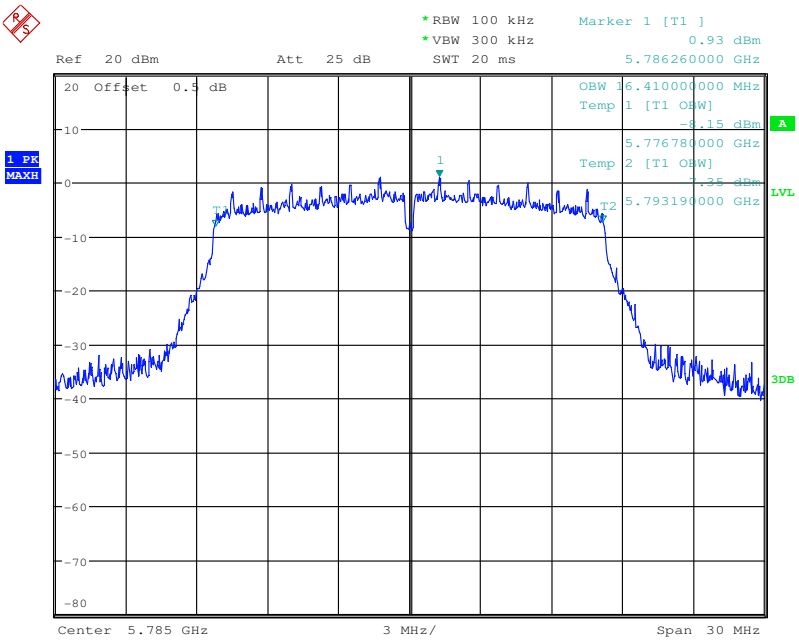
Test mode:	802.11a	Frequency(MHz):	5700



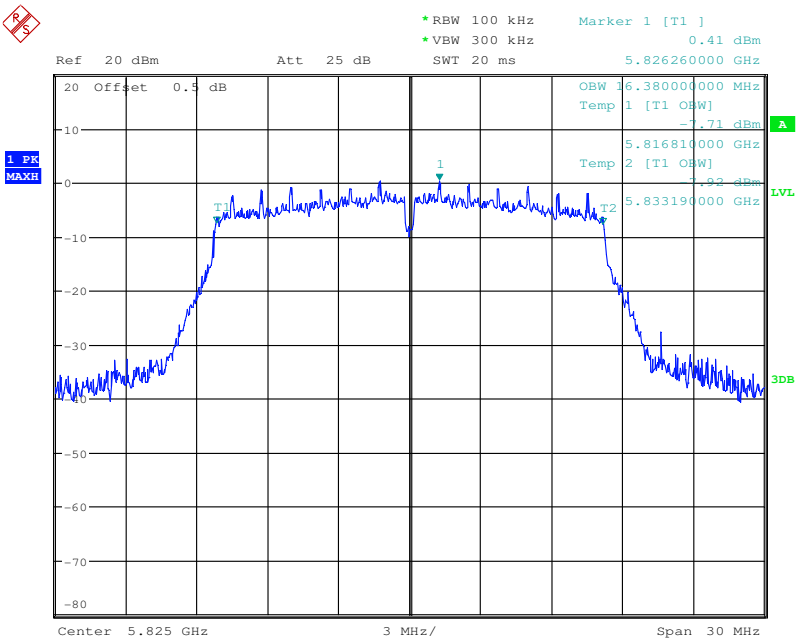
Test mode:	802.11a	Frequency(MHz):	5745



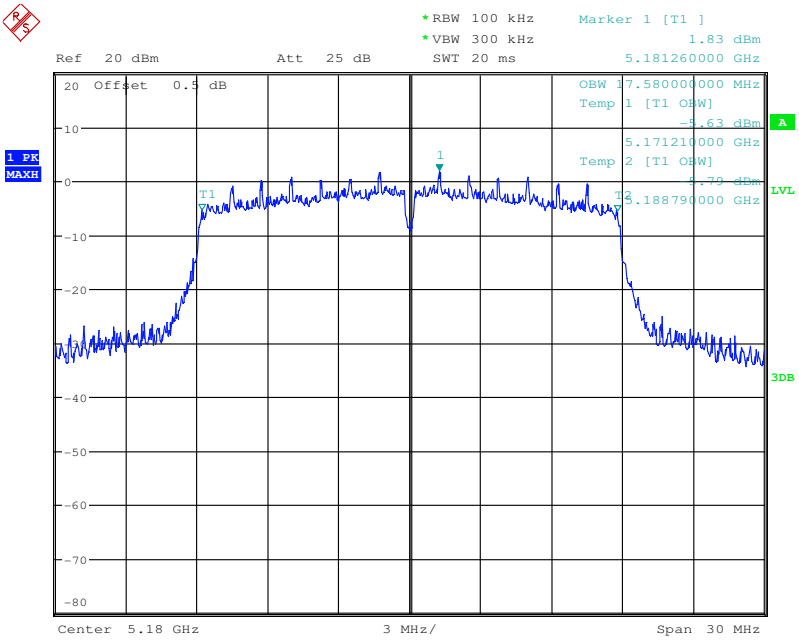
Test mode:	802.11a	Frequency(MHz):	5785



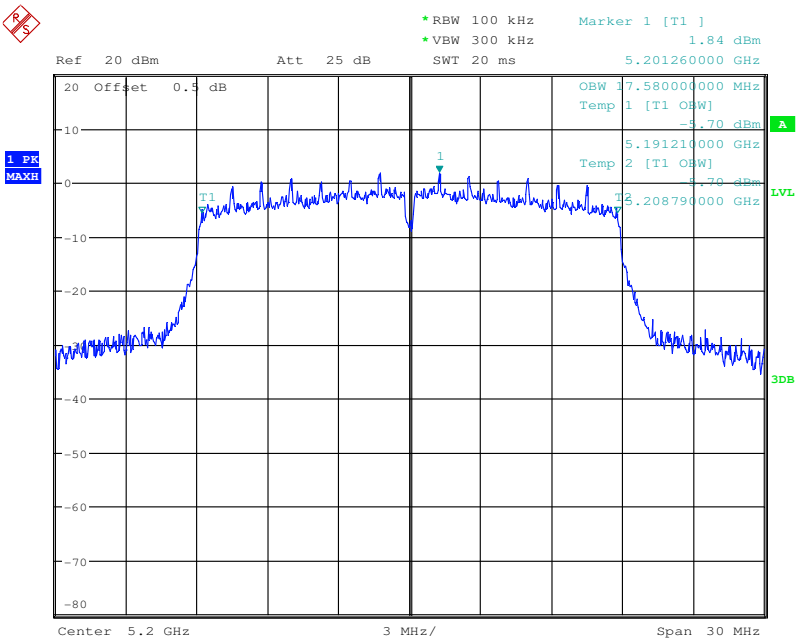
Test mode:	802.11a	Frequency(MHz):	5825



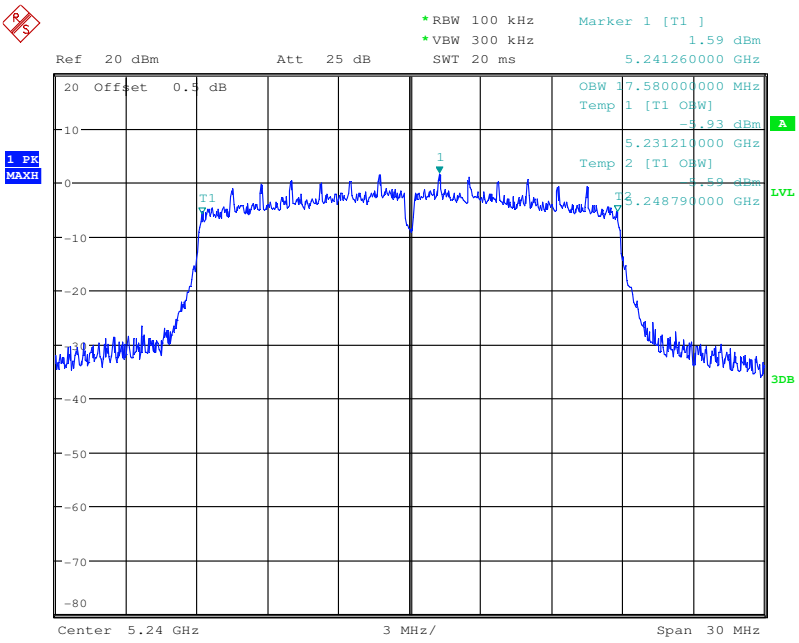
Test mode:	802.11n(HT20)	Frequency(MHz):	5180



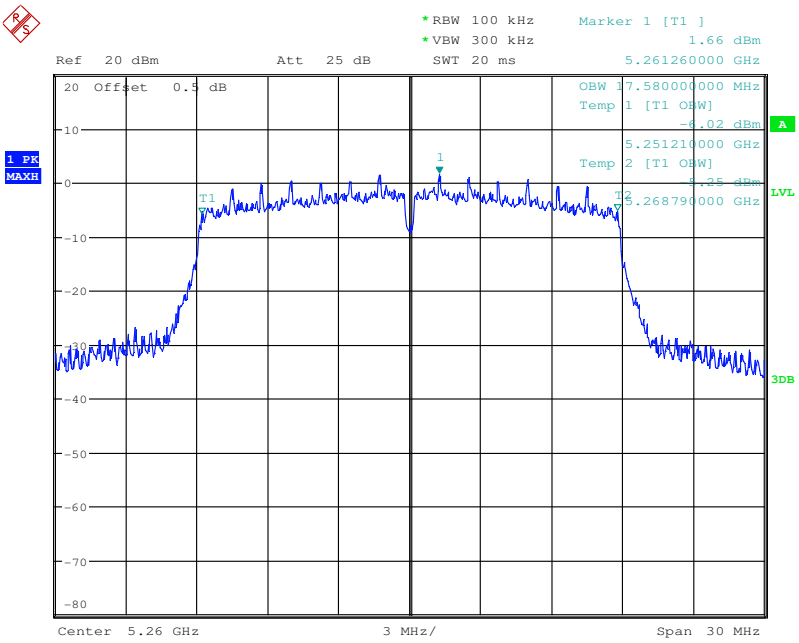
Test mode:	802.11n(HT20)	Frequency(MHz):	5200



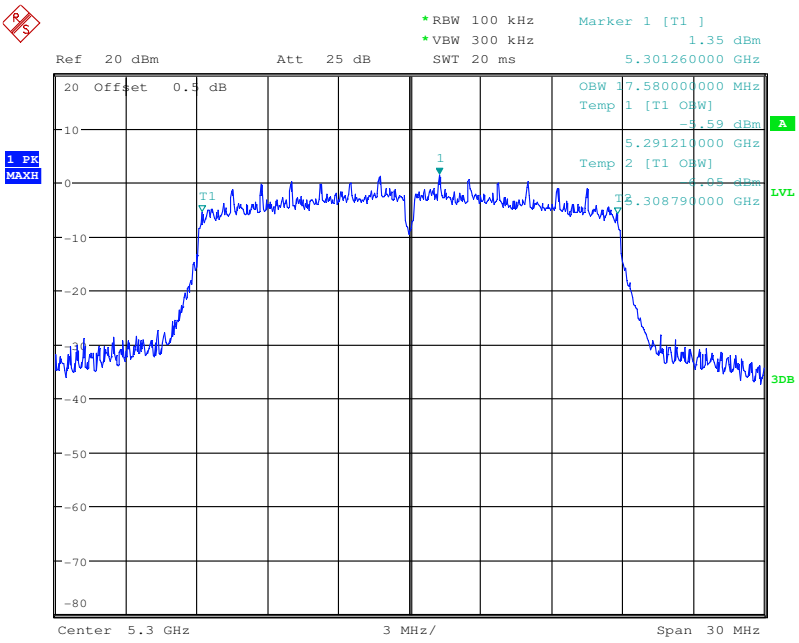
Test mode:	802.11n(HT20)	Frequency(MHz):	5240



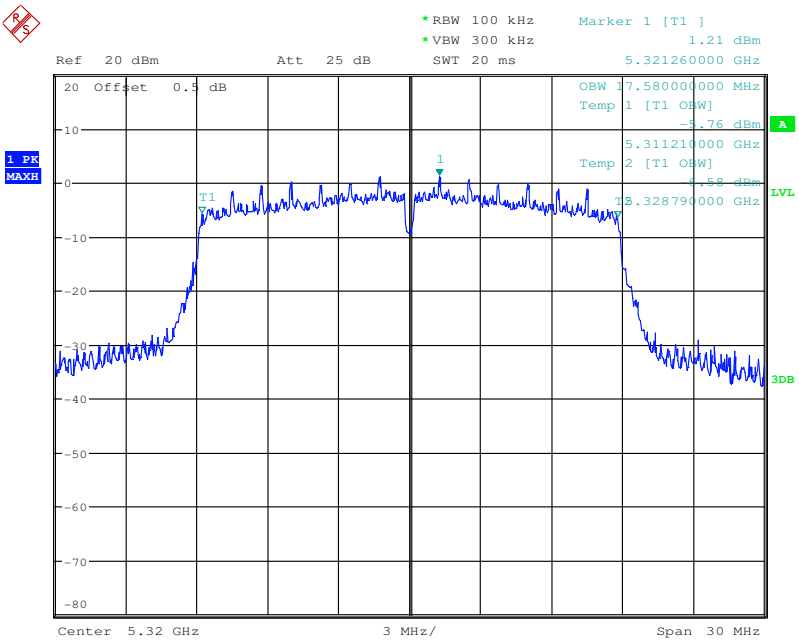
Test mode:	802.11n(HT20)	Frequency(MHz):	5260



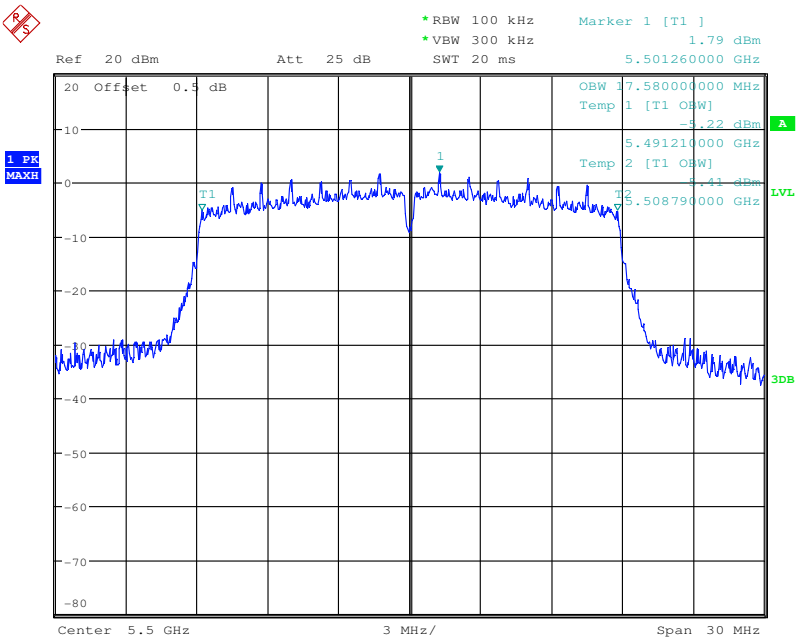
Test mode:	802.11n(HT20)	Frequency(MHz):	5300



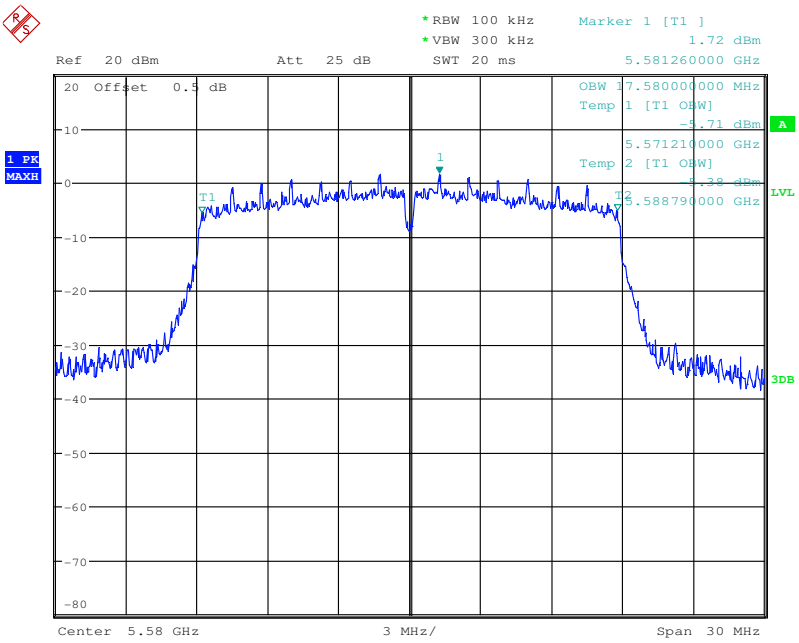
Test mode:	802.11n(HT20)	Frequency(MHz):	5320



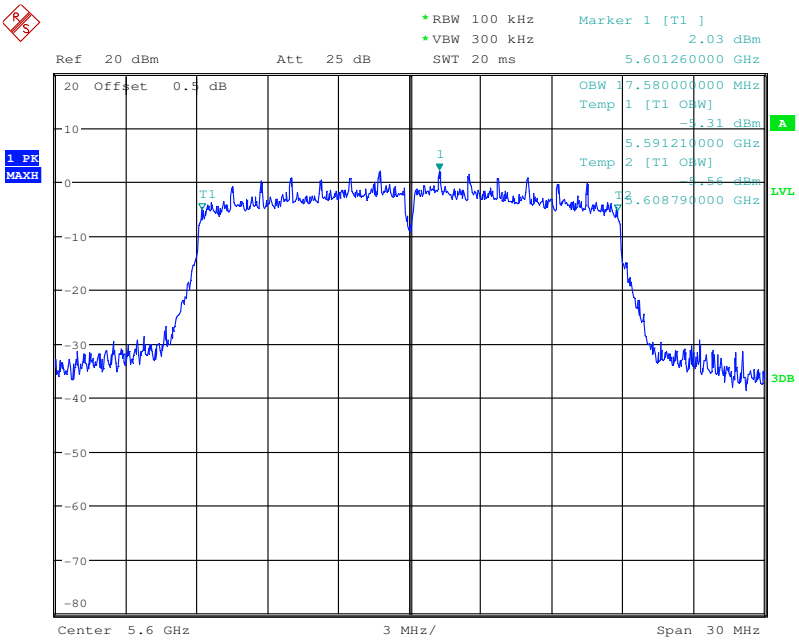
Test mode:	802.11n(HT20)	Frequency(MHz):	5500



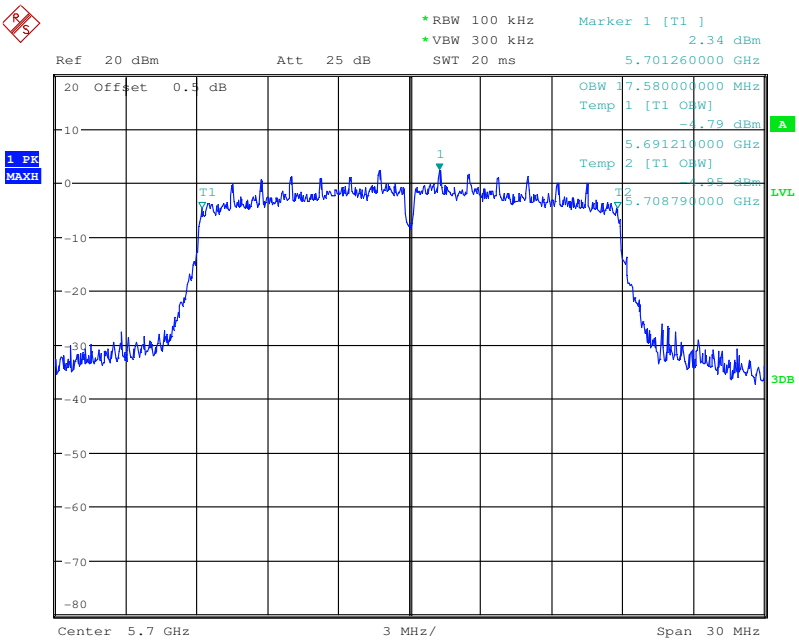
Test mode:	802.11n(HT20)	Frequency(MHz):	5580



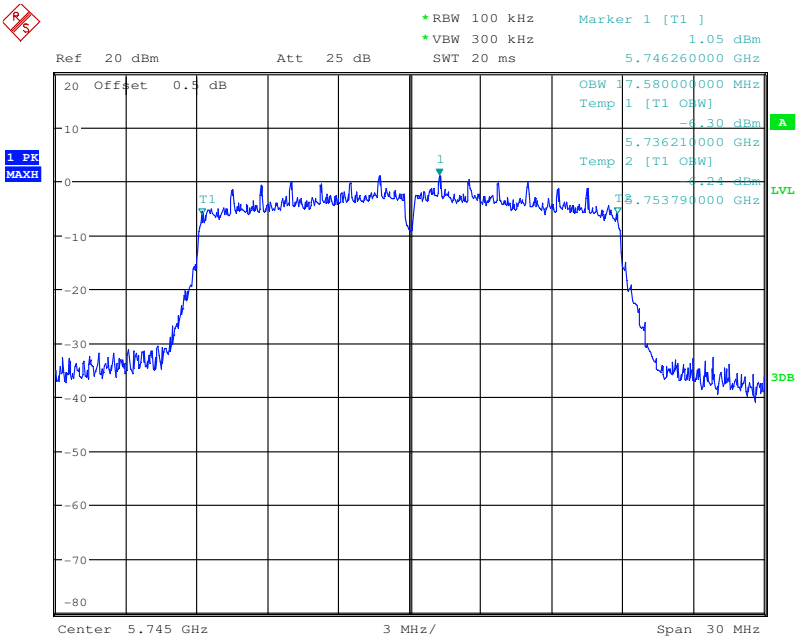
Test mode:	802.11n(HT20)	Frequency(MHz):	5600



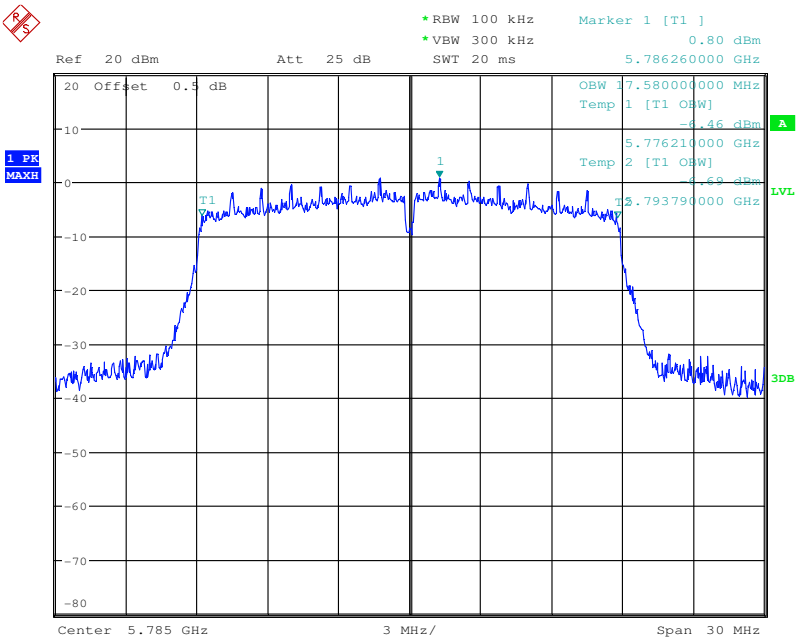
Test mode:	802.11n(HT20)	Frequency(MHz):	5700



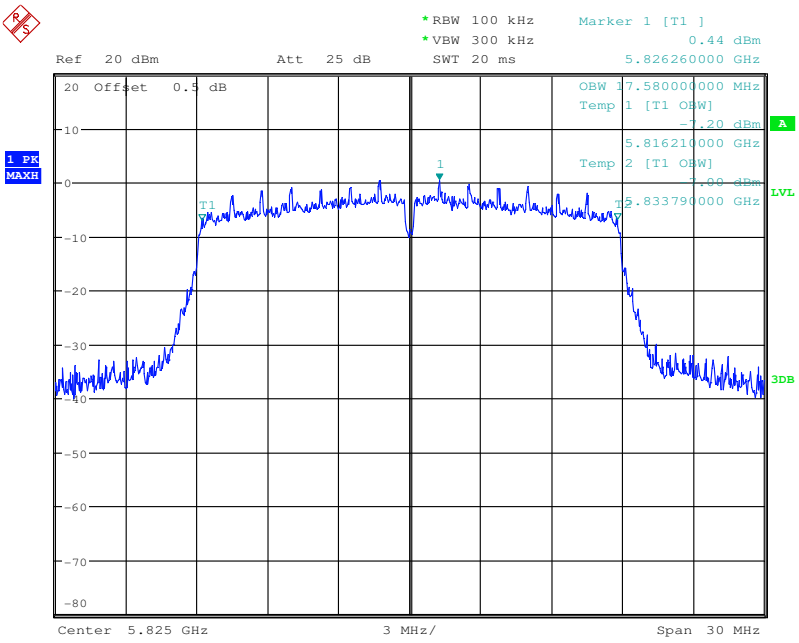
Test mode:	802.11n(HT20)	Frequency(MHz):	5745



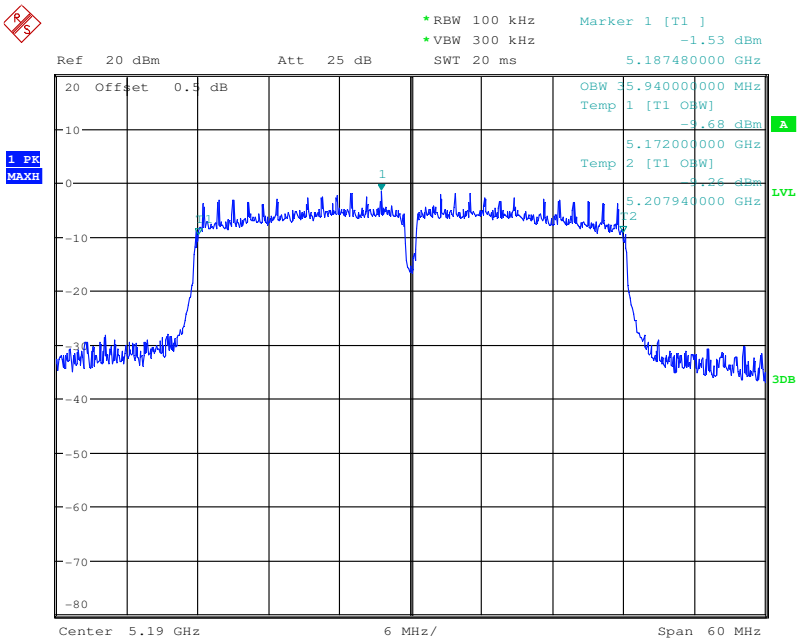
Test mode:	802.11n(HT20)	Frequency(MHz):	5785



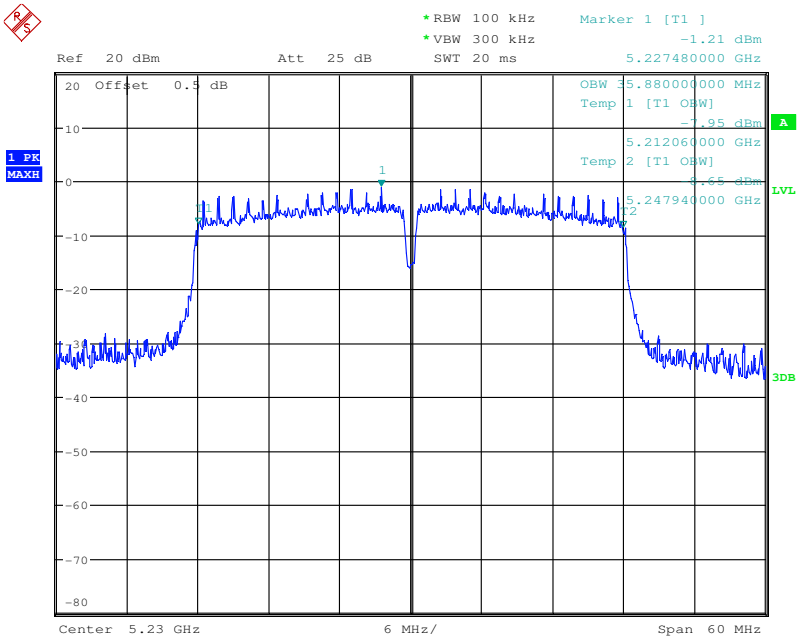
Test mode:	802.11n(HT20)	Frequency(MHz):	5825



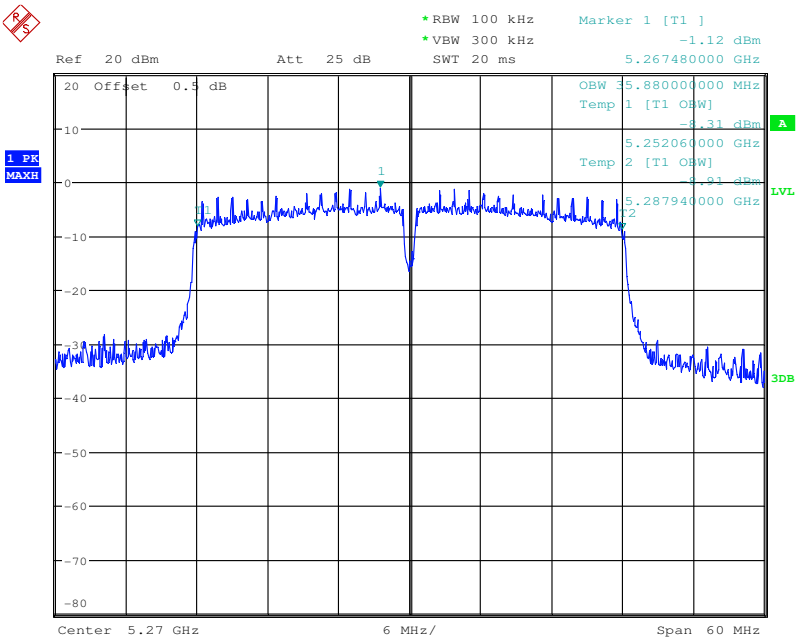
Test mode:	802.11n(HT40)	Frequency(MHz):	5190



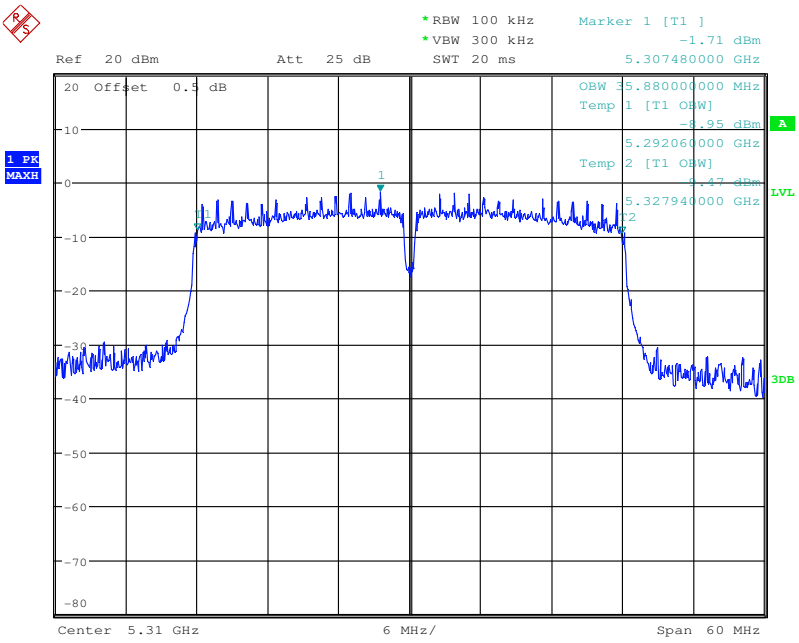
Test mode:	802.11n(HT40)	Frequency(MHz):	5230



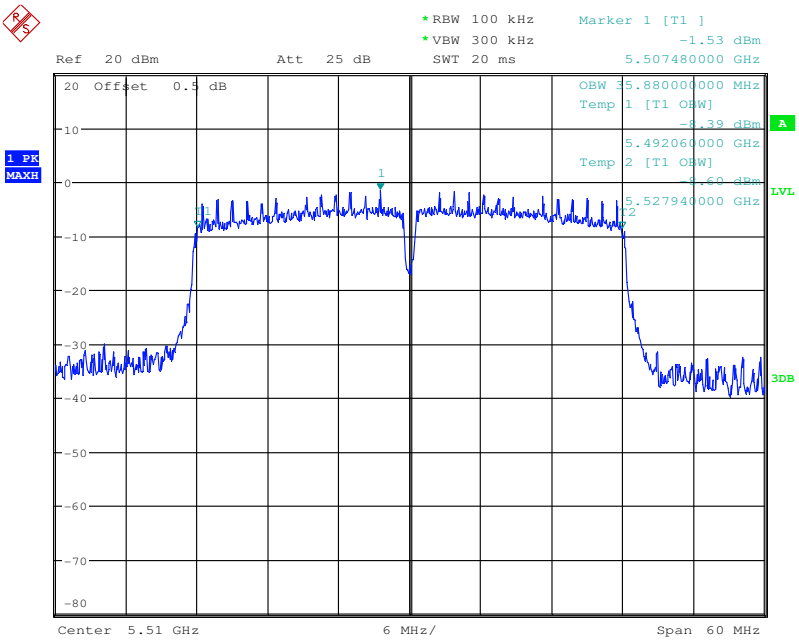
Test mode:	802.11n(HT40)	Frequency(MHz):	5270



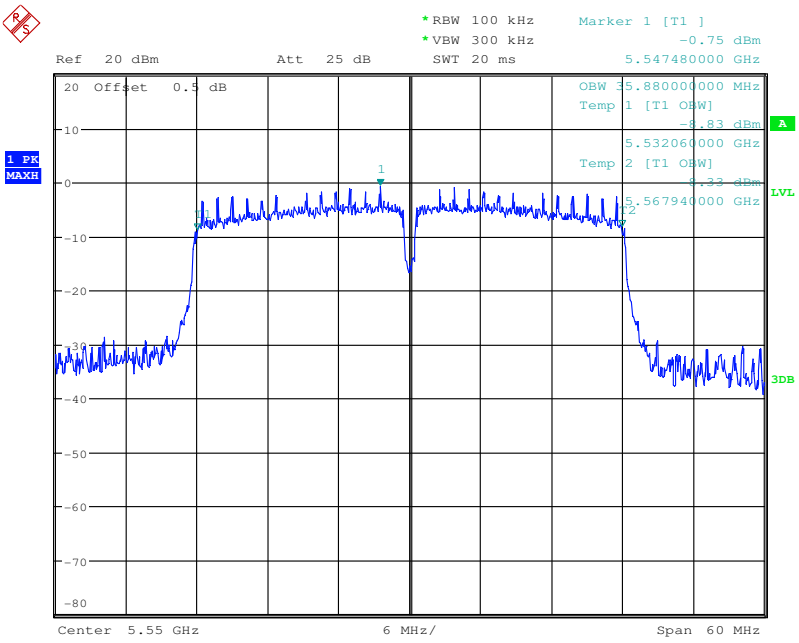
Test mode:	802.11n(HT40)	Frequency(MHz):	5310



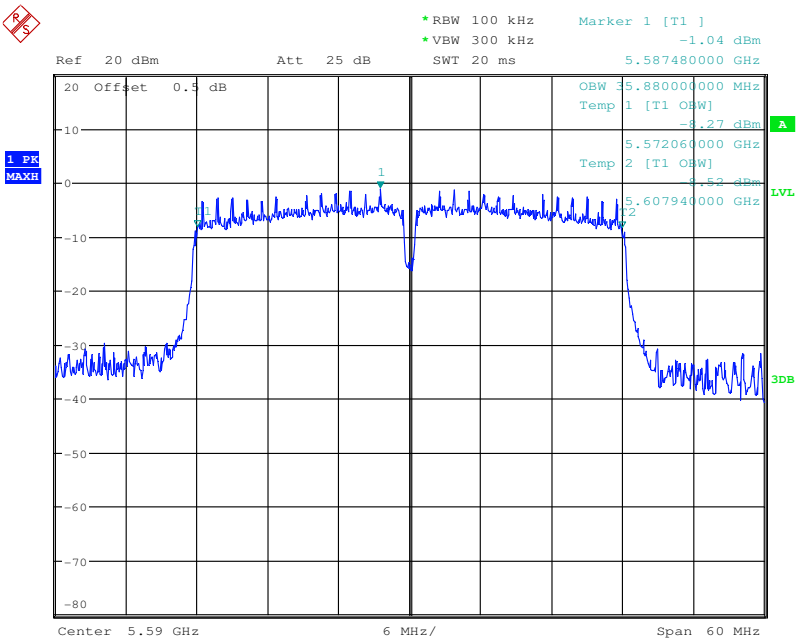
Test mode:	802.11n(HT40)	Frequency(MHz):	5510



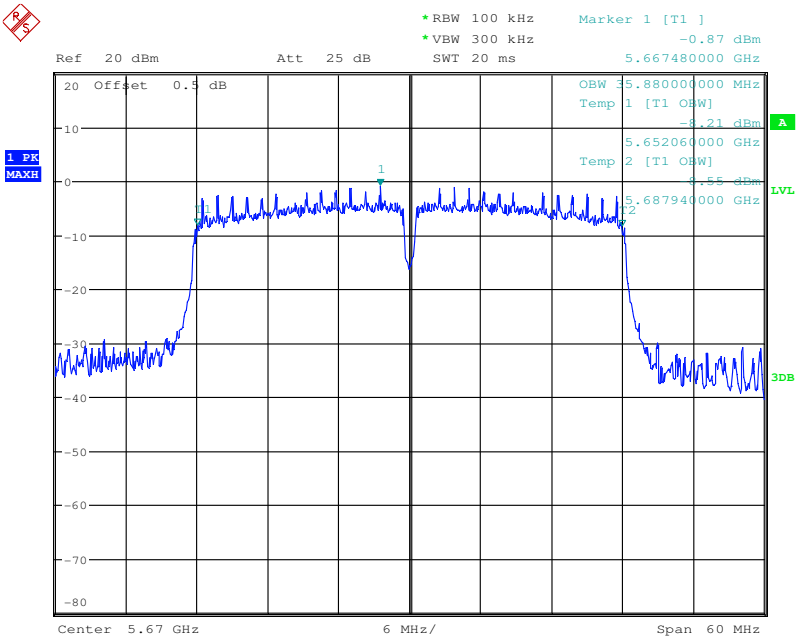
Test mode:	802.11n(HT40)	Frequency(MHz):	5550



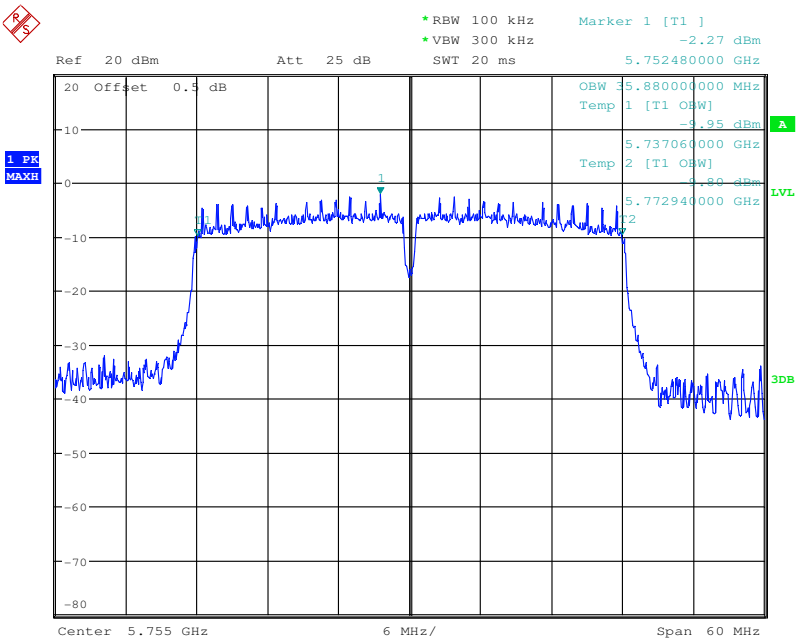
Test mode:	802.11n(HT40)	Frequency(MHz):	5590



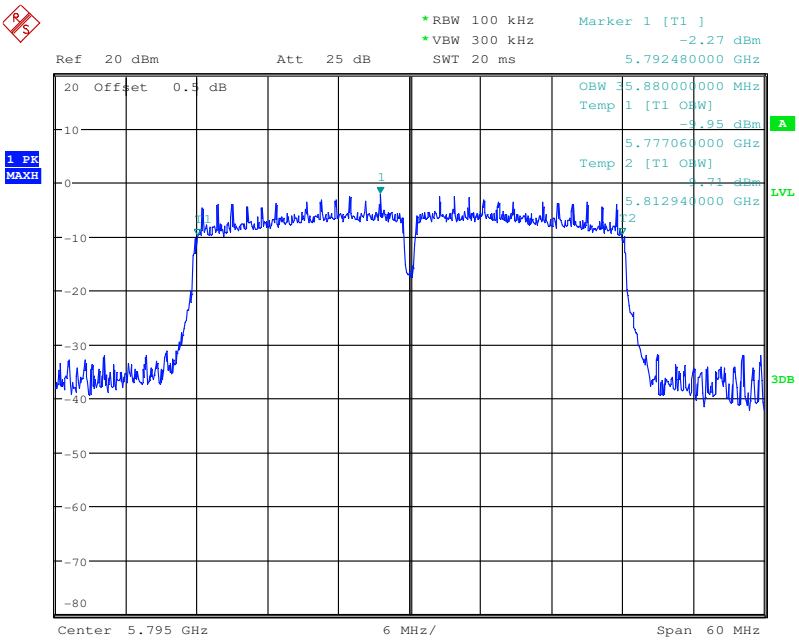
Test mode:	802.11n(HT40)	Frequency(MHz):	5670



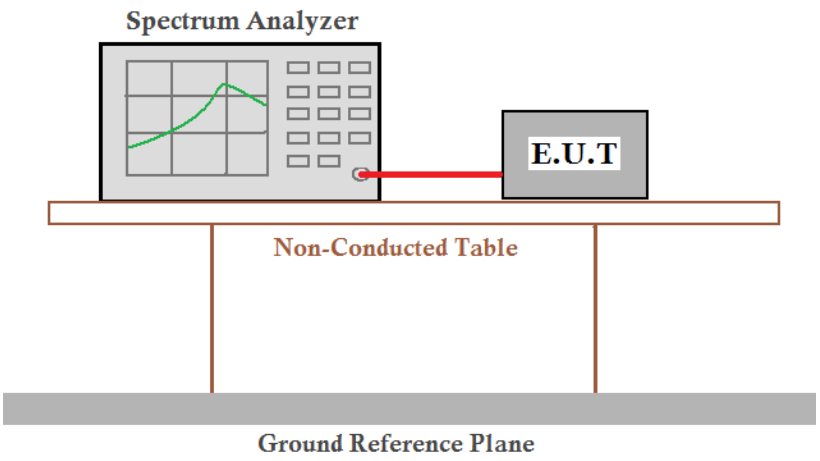
Test mode:	802.11n(HT40)	Frequency(MHz):	5755



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



6.6 6dB Emission Bandwidth

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

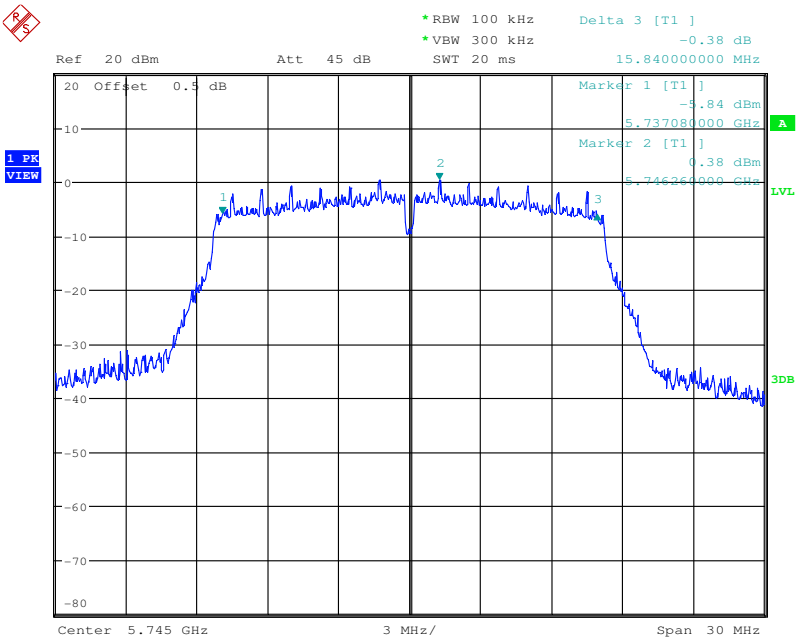
802.11a mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5745	15.84	≥500	Pass
5785	15.84	≥500	Pass
5825	15.84	≥500	Pass

802.11n(HT20) mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5745	15.36	≥500	Pass
5785	16.32	≥500	Pass
5825	15.99	≥500	Pass

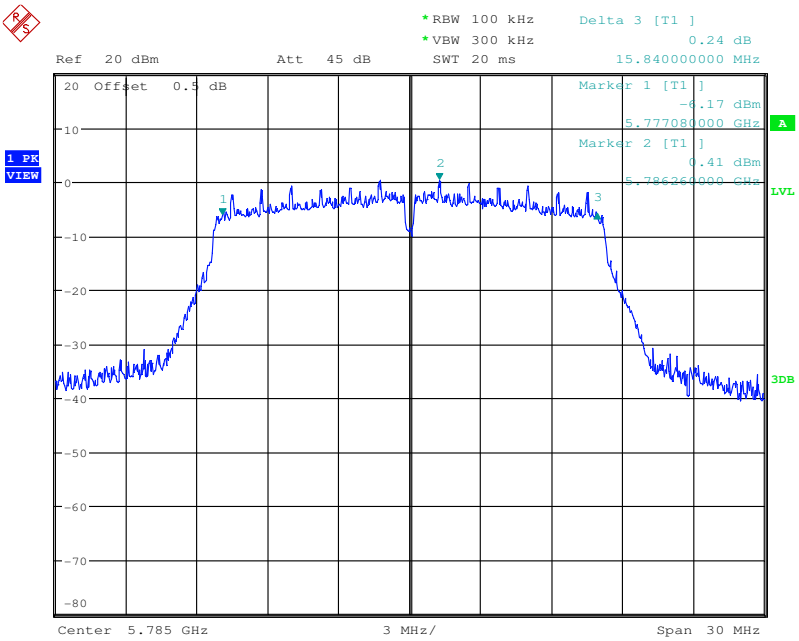
802.11n(HT40) mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5755	35.28	≥500	Pass
5795	35.28	≥500	Pass

Test plot as follows:

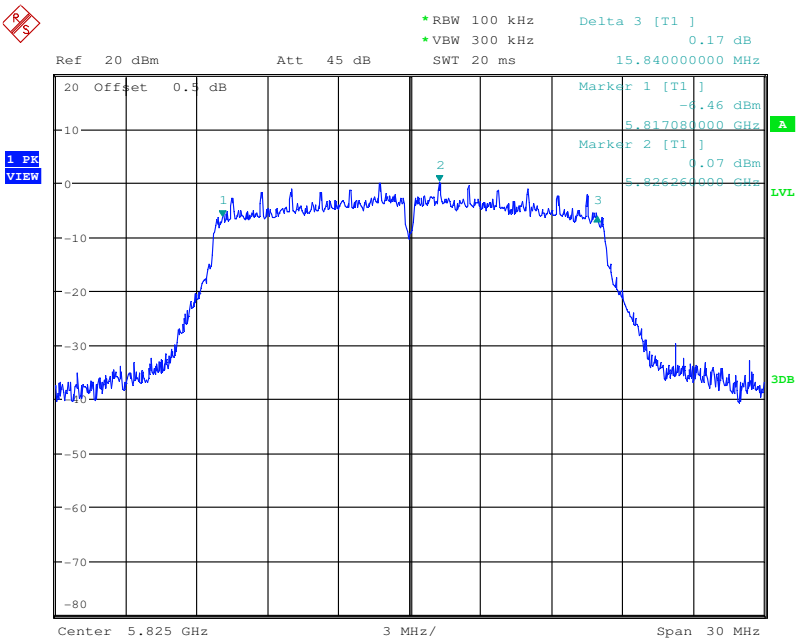
Test mode:	802.11a	Frequency(MHz):	5745



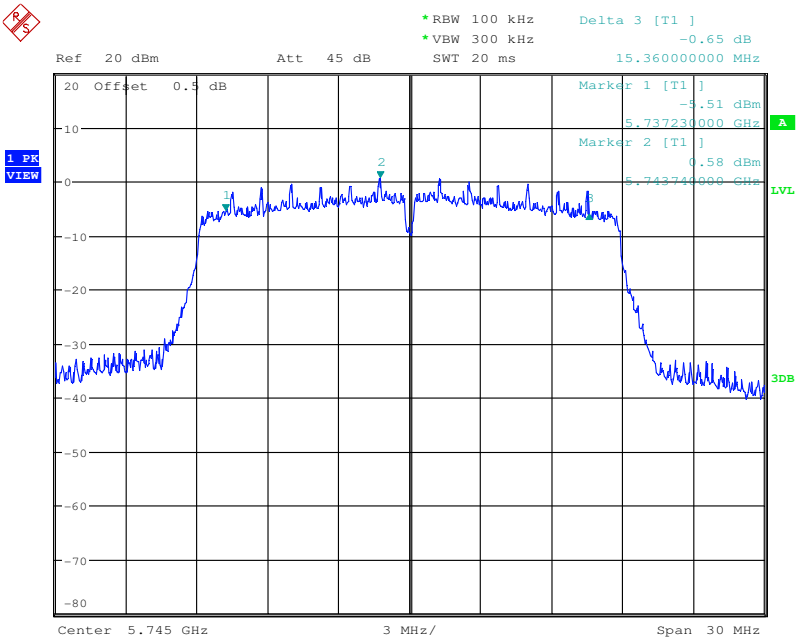
Test mode:	802.11a	Frequency(MHz):	5785



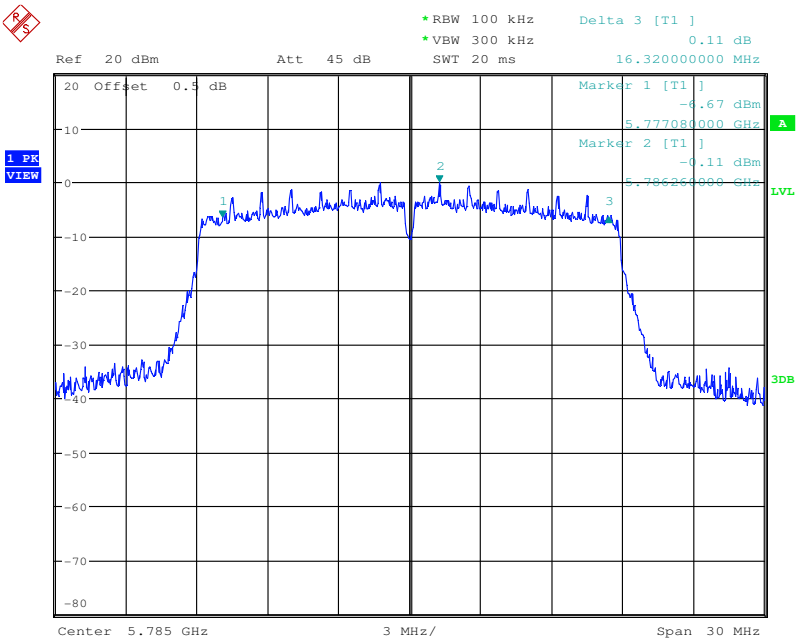
Test mode:	802.11a	Frequency(MHz):	5825



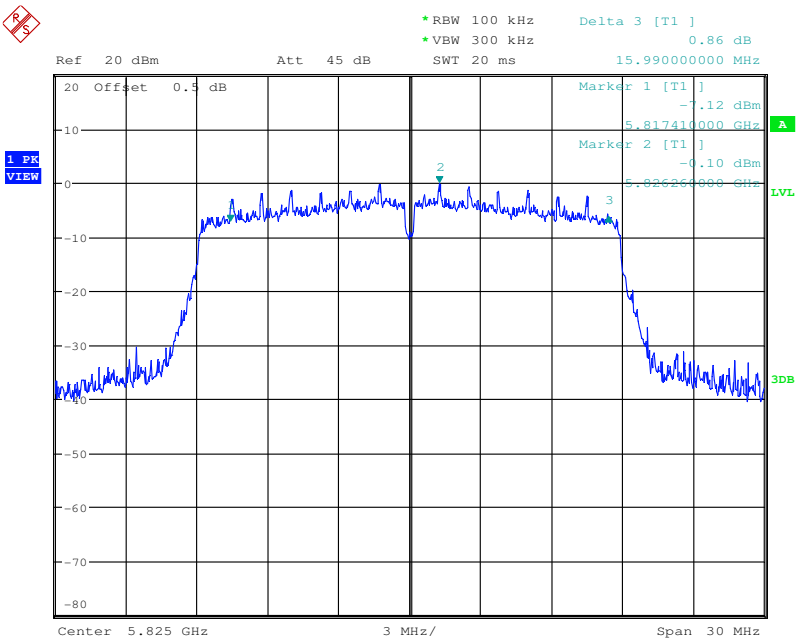
Test mode:	802.11n(HT20)	Frequency(MHz):	5745



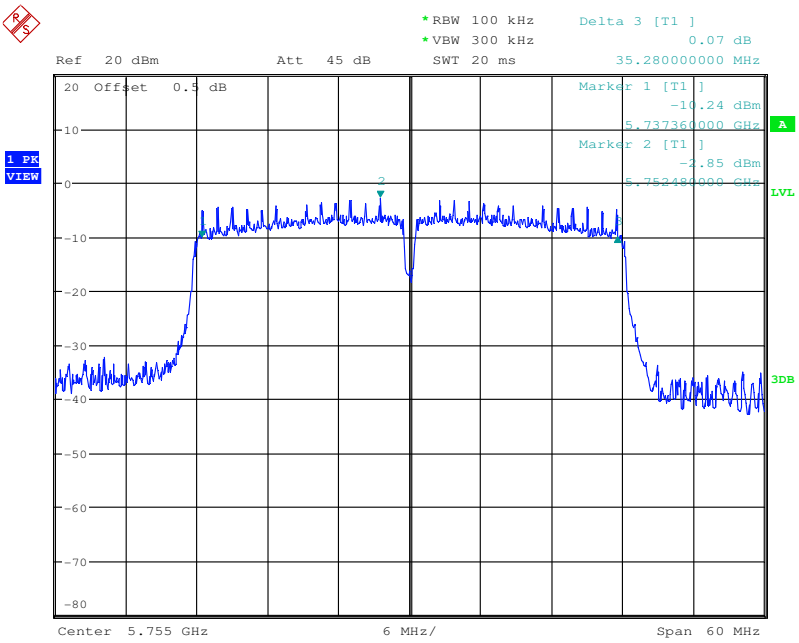
Test mode:	802.11n(HT20)	Frequency(MHz):	5785



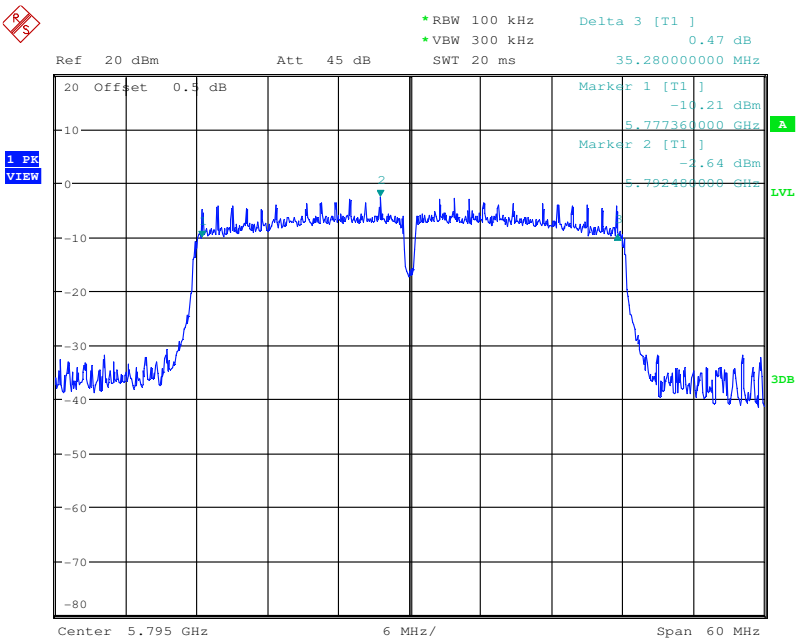
Test mode:	802.11n(HT20)	Frequency(MHz):	5825



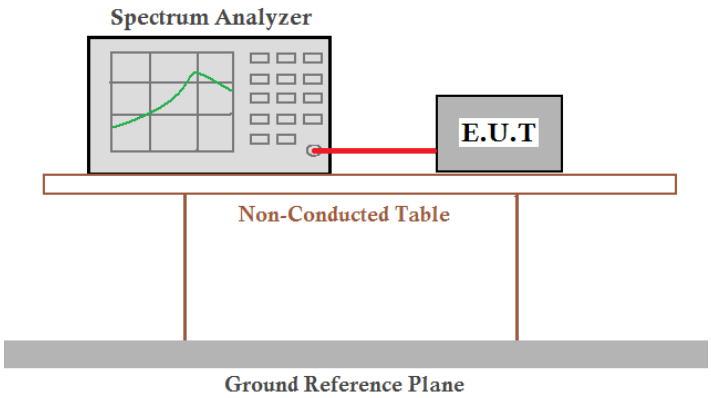
Test mode:	802.11n(HT40)	Frequency(MHz):	5755



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



6.7 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	-0.86	≤11dBm/1MHz	Pass
5200	-0.79	≤11dBm/1MHz	Pass
5240	-1.11	≤11dBm/1MHz	Pass
5260	-0.61	≤11dBm/1MHz	Pass
5300	-0.90	≤11dBm/1MHz	Pass
5320	-1.26	≤11dBm/1MHz	Pass
5500	-0.26	≤11dBm/1MHz	Pass
5580	-0.82	≤11dBm/1MHz	Pass
5600	-0.35	≤11dBm/1MHz	Pass
5700	-0.47	≤11dBm/1MHz	Pass
5745	-3.33	≤30dBm/500kHz	Pass
5785	-4.18	≤30dBm/500kHz	Pass
5825	-3.60	≤30dBm/500kHz	Pass

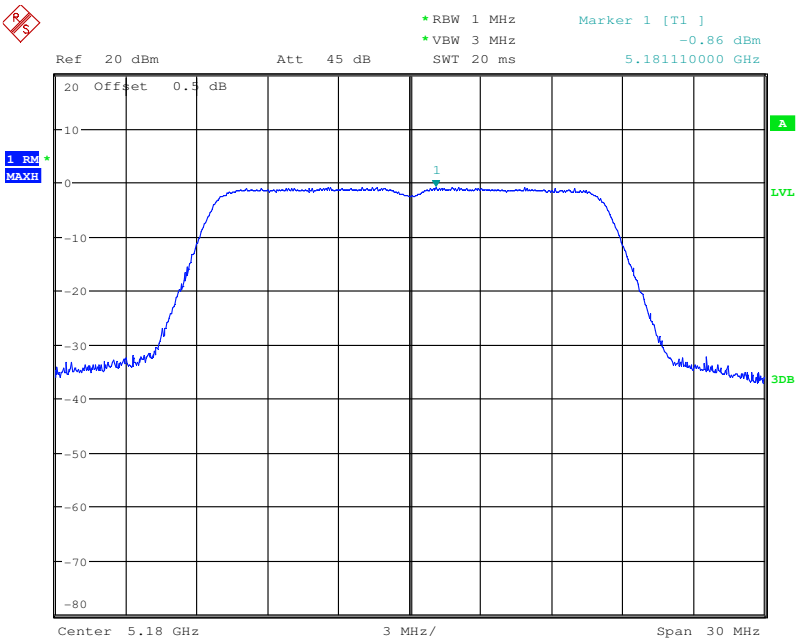
802.11n(HT20) mode			
Frequency (MHz)	Power Spectral Density	Limit	Result
5180	-1.06	≤11dBm/1MHz	Pass
5200	-1.50	≤11dBm/1MHz	Pass
5240	-0.66	≤11dBm/1MHz	Pass
5260	-0.65	≤11dBm/1MHz	Pass
5300	-1.48	≤11dBm/1MHz	Pass
5320	-0.87	≤11dBm/1MHz	Pass
5500	-0.55	≤11dBm/1MHz	Pass
5580	-0.68	≤11dBm/1MHz	Pass
5600	-0.51	≤11dBm/1MHz	Pass
5700	-0.71	≤11dBm/1MHz	Pass
5745	-3.10	≤30dBm/500kHz	Pass
5785	-4.02	≤30dBm/500kHz	Pass
5825	-3.57	≤30dBm/500kHz	Pass

802.11n(HT40) mode

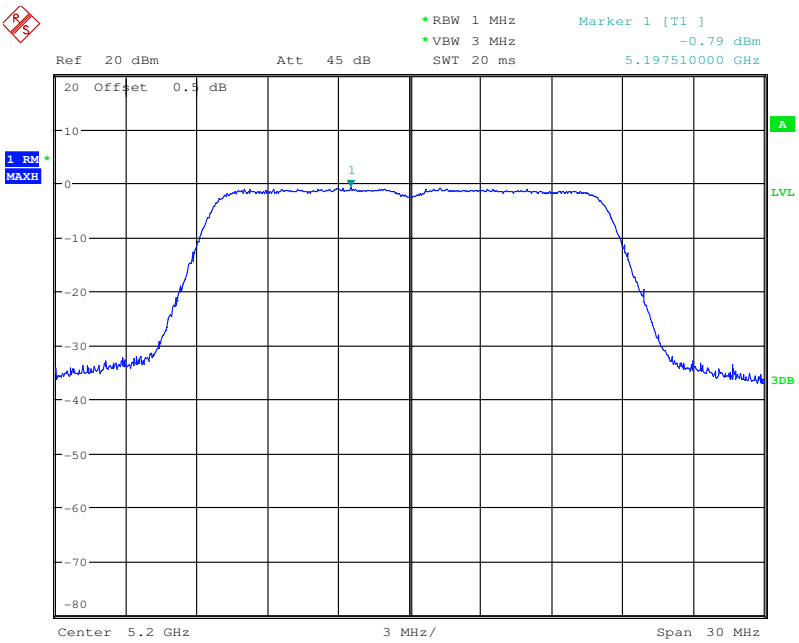
Frequency (MHz)	Power Spectral Density	Limit	Result
5190	-3.70	≤11dBm/1MHz	Pass
5230	-3.97	≤11dBm/1MHz	Pass
5270	-3.59	≤11dBm/1MHz	Pass
5310	-4.27	≤11dBm/1MHz	Pass
5510	-3.44	≤11dBm/1MHz	Pass
5550	-3.65	≤11dBm/1MHz	Pass
5590	-3.04	≤11dBm/1MHz	Pass
5670	-3.33	≤11dBm/1MHz	Pass
5755	-6.57	≤30dBm/500kHz	Pass
5795	-6.86	≤30dBm/500kHz	Pass

Test plot as follows:

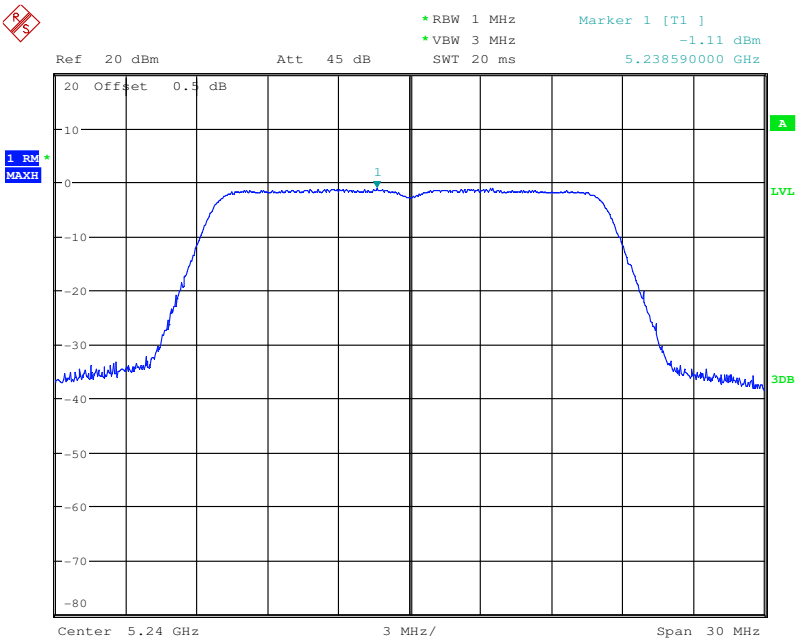
Test mode:	802.11a	Frequency(MHz):	5180



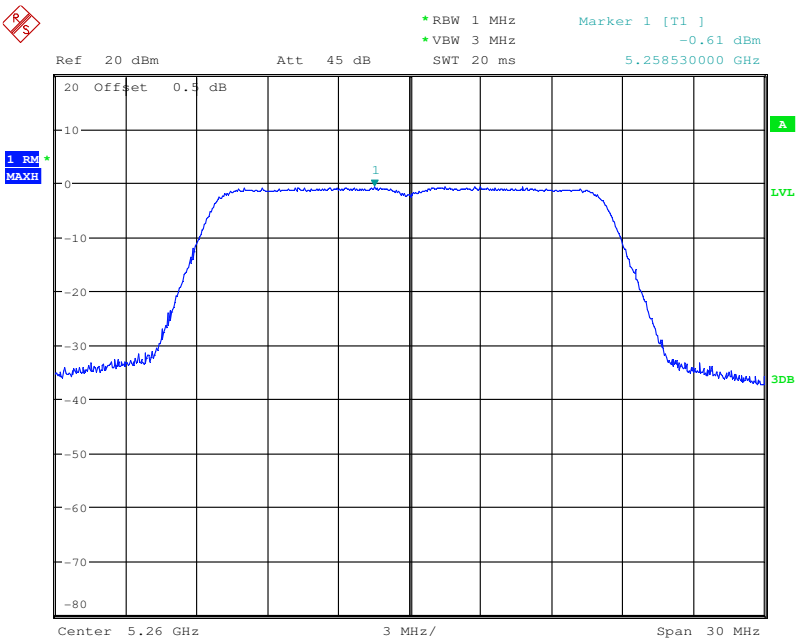
Test mode:	802.11a	Frequency(MHz):	5200



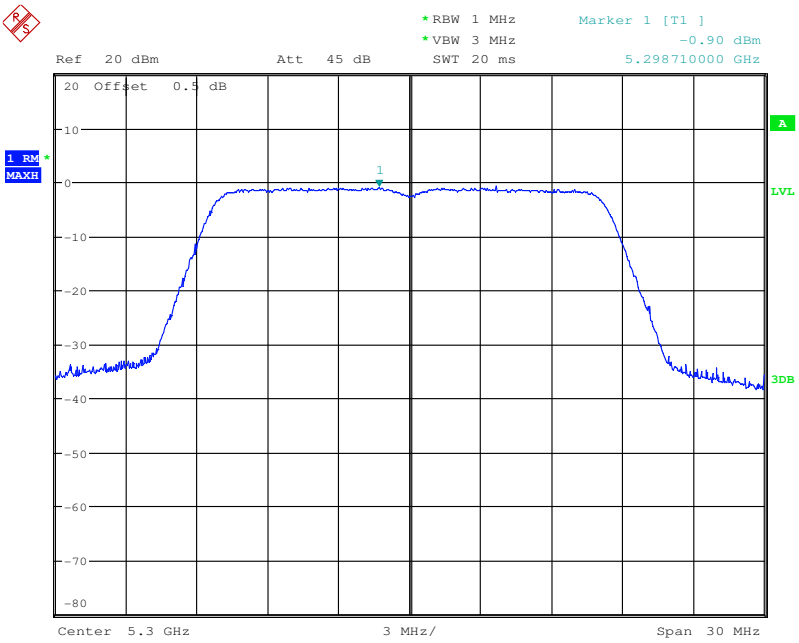
Test mode:	802.11a	Frequency(MHz):	5240



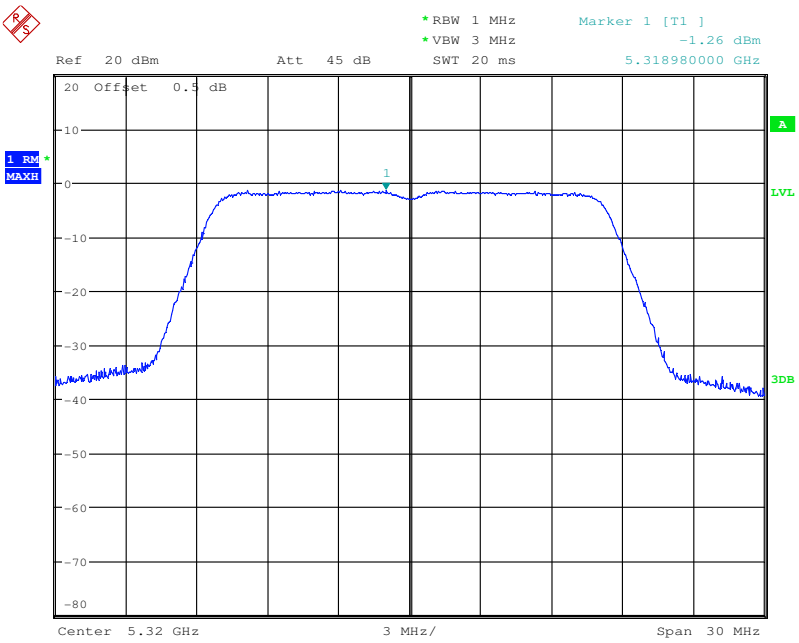
Test mode:	802.11a	Frequency(MHz):	5260



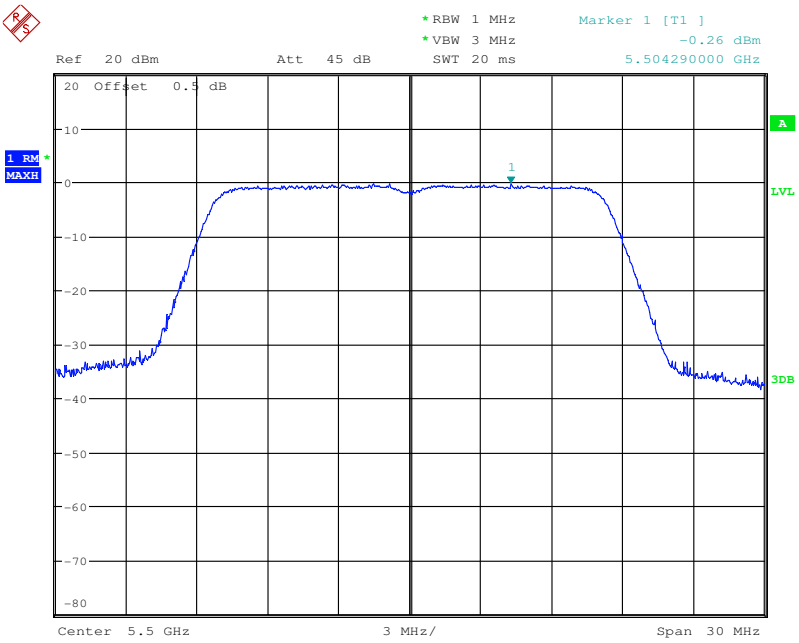
Test mode:	802.11a	Frequency(MHz):	5300



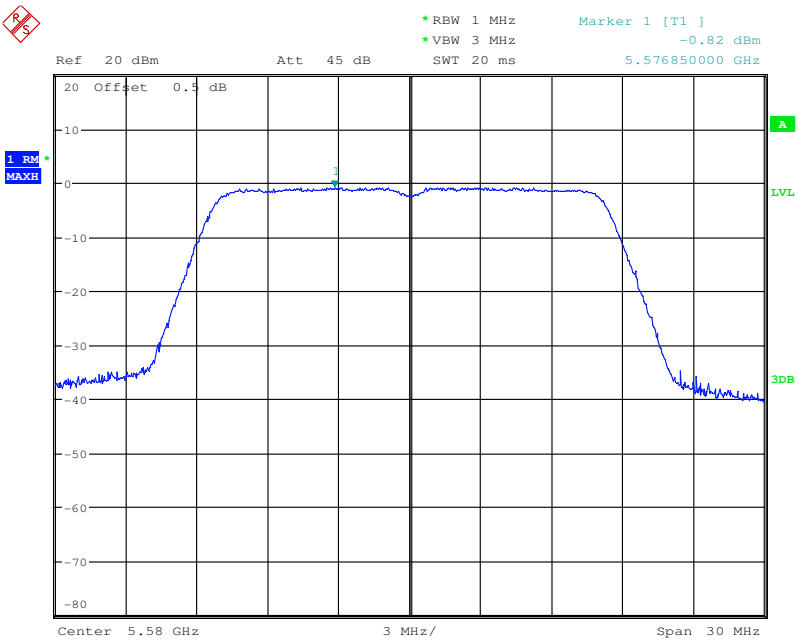
Test mode:	802.11a	Frequency(MHz):	5320



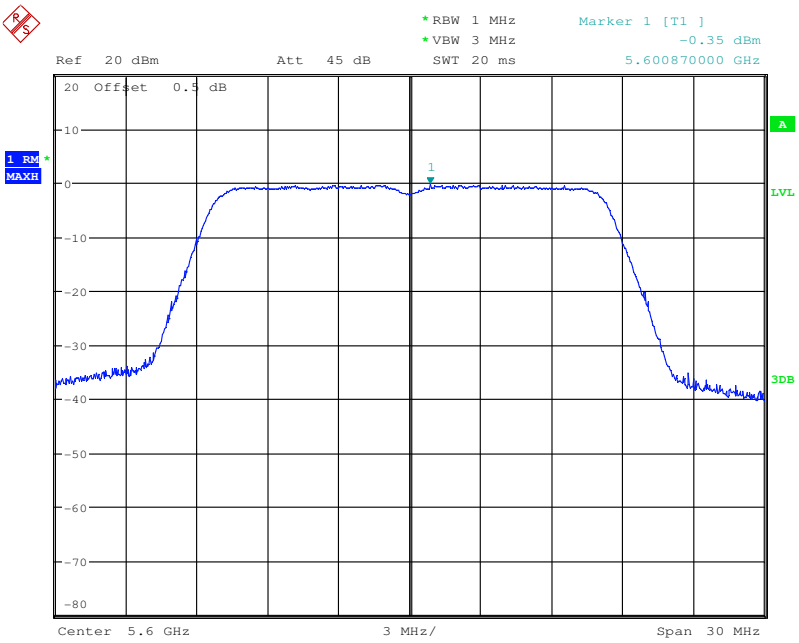
Test mode:	802.11a	Frequency(MHz):	5500



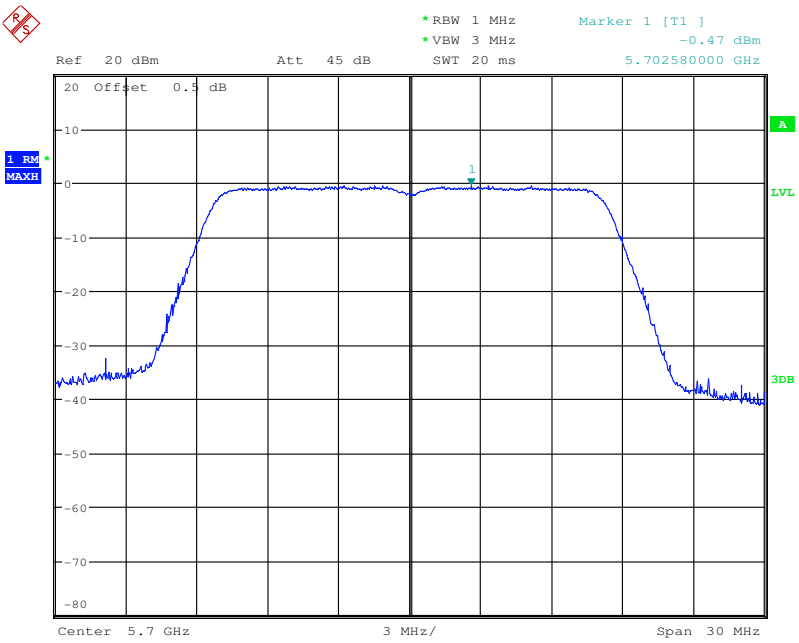
Test mode:	802.11a	Frequency(MHz):	5580



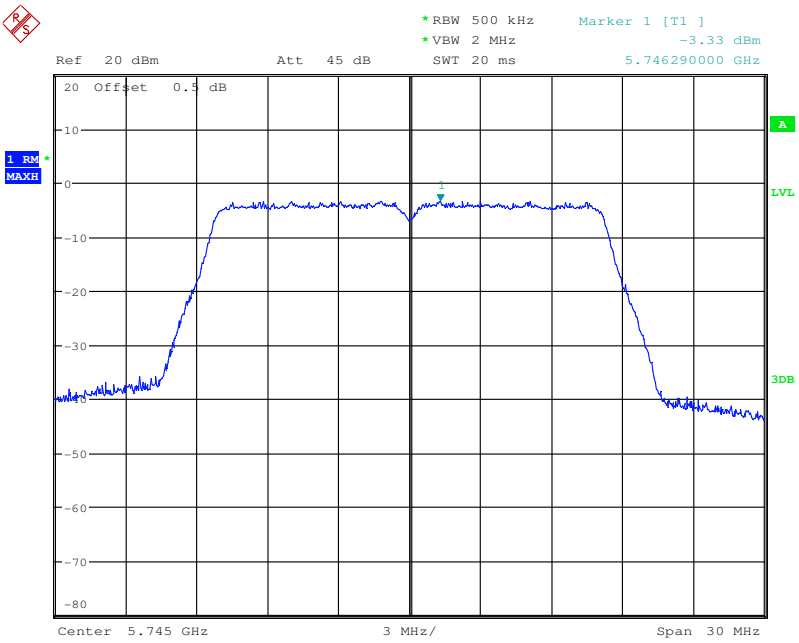
Test mode:	802.11a	Frequency(MHz):	5600



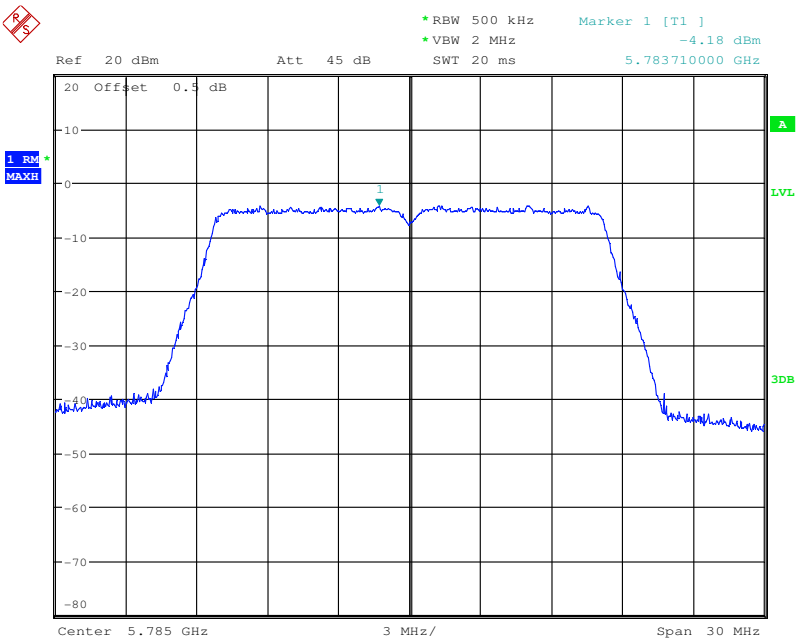
Test mode:	802.11a	Frequency(MHz):	5700



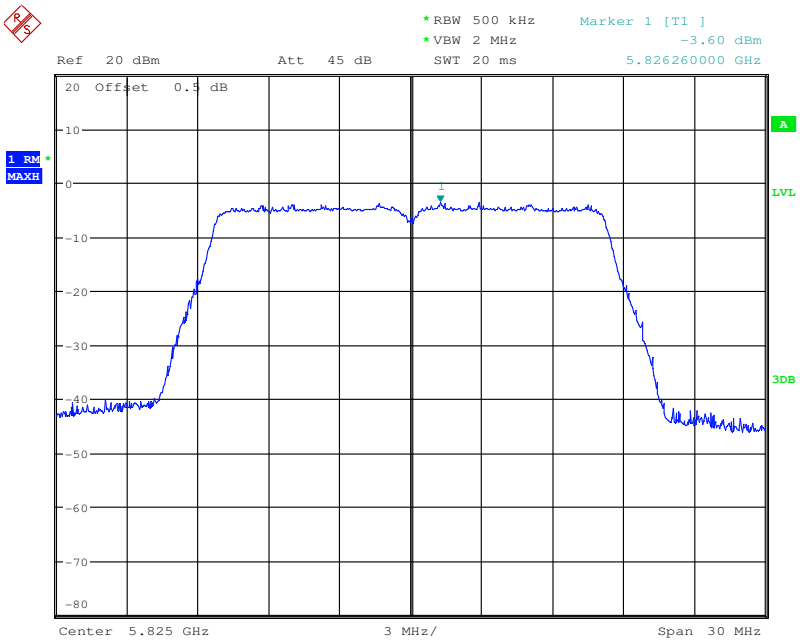
Test mode:	802.11a	Frequency(MHz):	5745



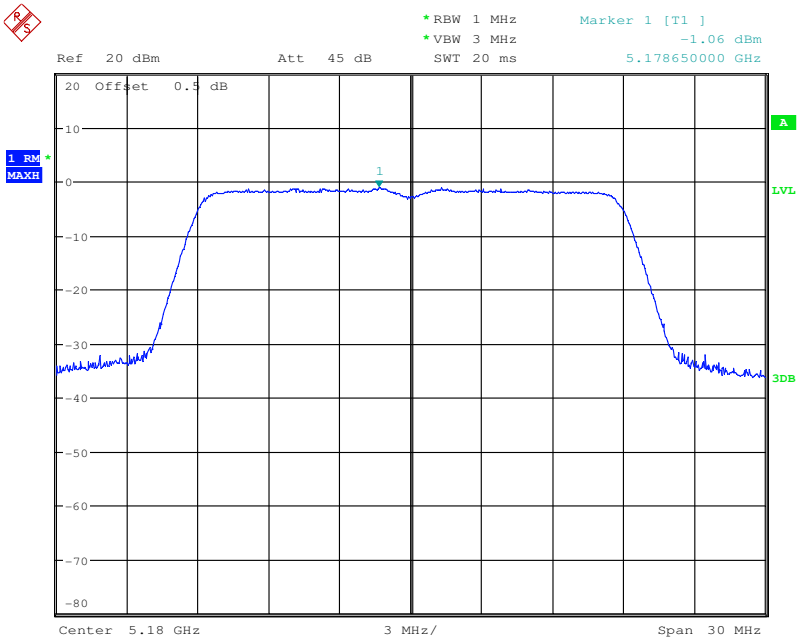
Test mode:	802.11a	Frequency(MHz):	5785



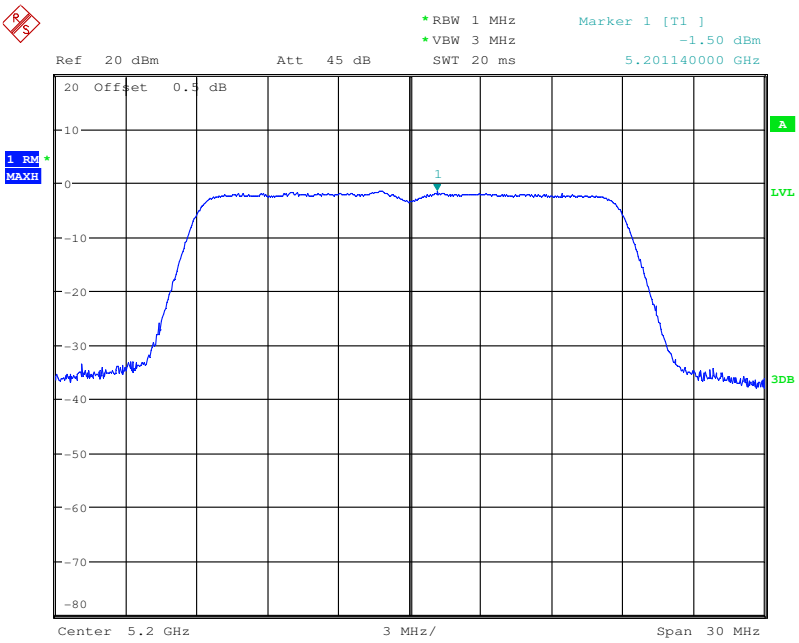
Test mode:	802.11a	Frequency(MHz):	5825



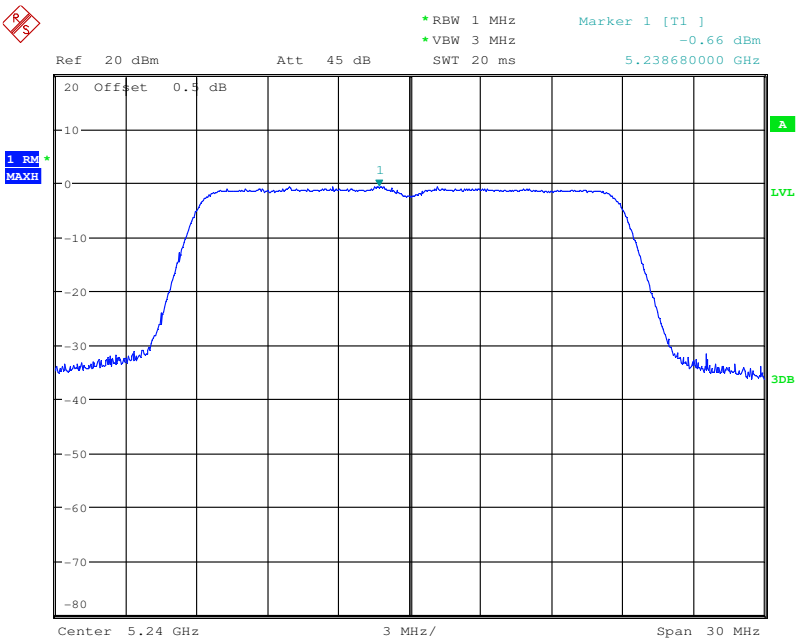
Test mode:	802.11n(HT20)	Frequency(MHz):	5180



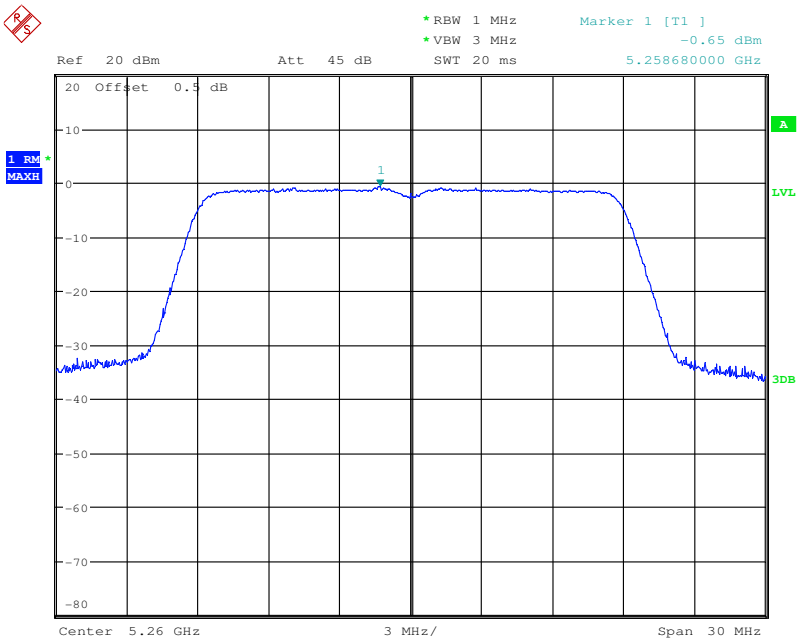
Test mode:	802.11n(HT20)	Frequency(MHz):	5200



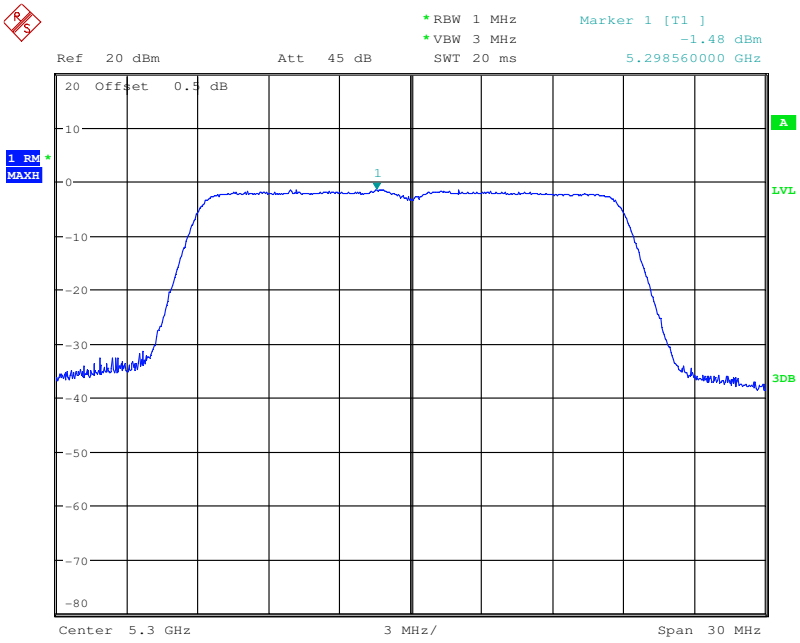
Test mode:	802.11n(HT20)	Frequency(MHz):	5240



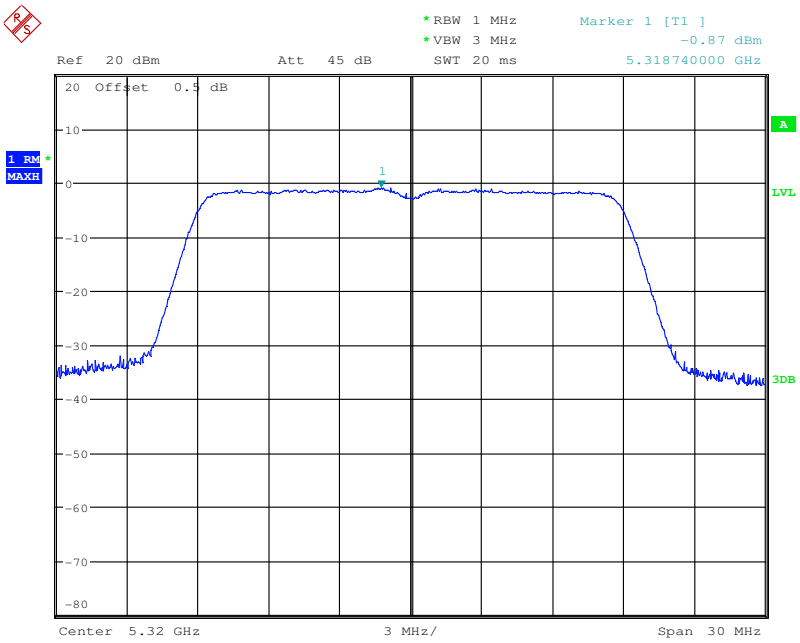
Test mode:	802.11n(HT20)	Frequency(MHz):	5260



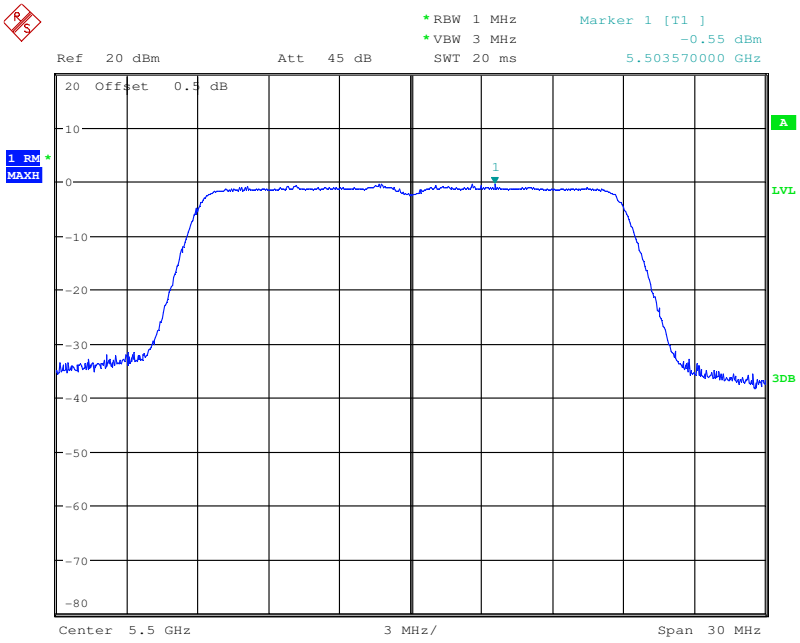
Test mode:	802.11n(HT20)	Frequency(MHz):	5300



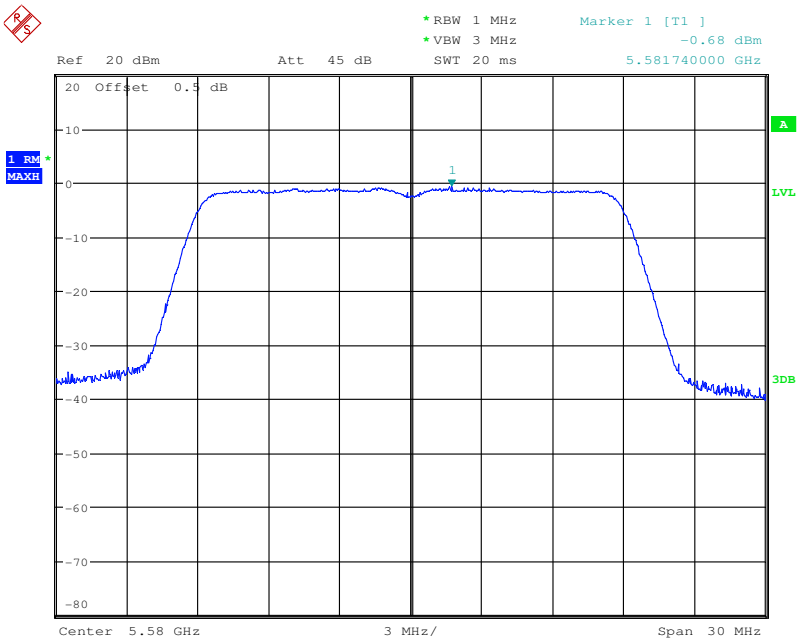
Test mode:	802.11n(HT20)	Frequency(MHz):	5320



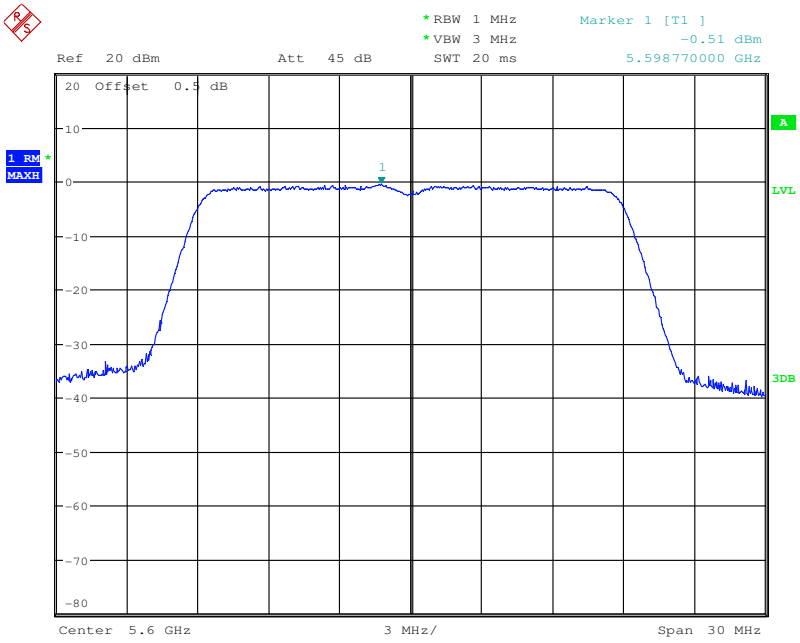
Test mode:	802.11n(HT20)	Frequency(MHz):	5500



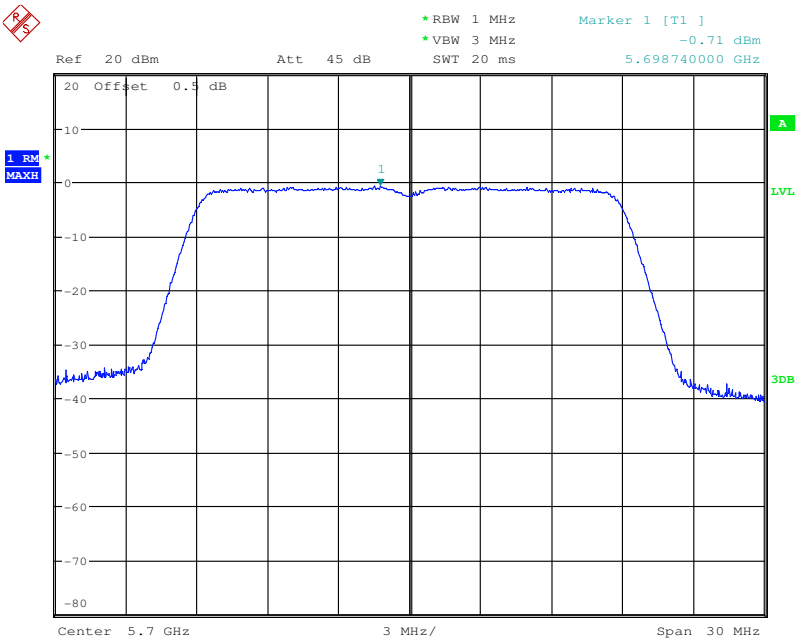
Test mode:	802.11n(HT20)	Frequency(MHz):	5580



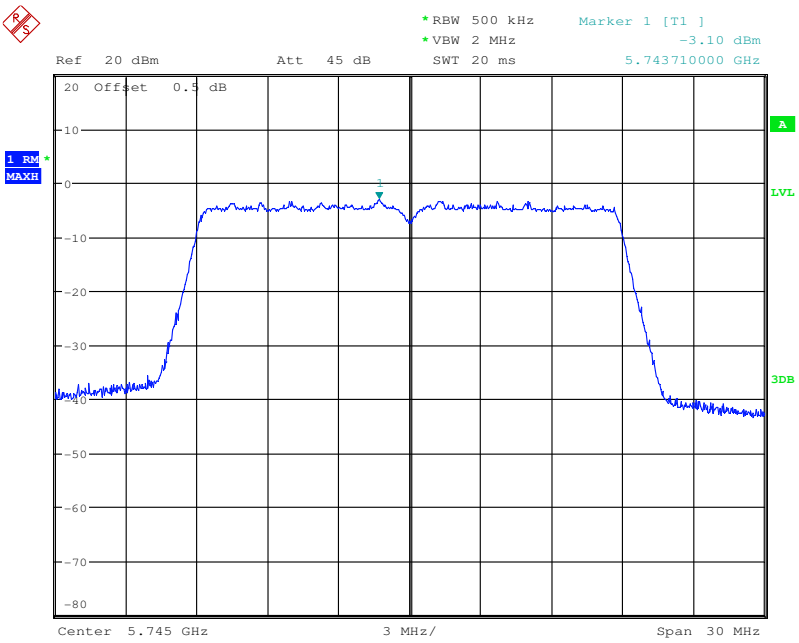
Test mode:	802.11n(HT20)	Frequency(MHz):	5600



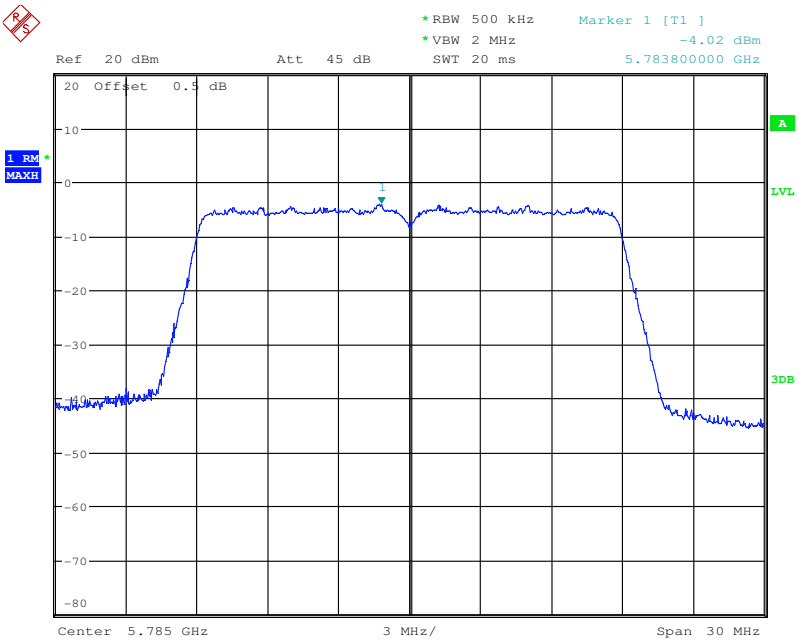
Test mode:	802.11n(HT20)	Frequency(MHz):	5700



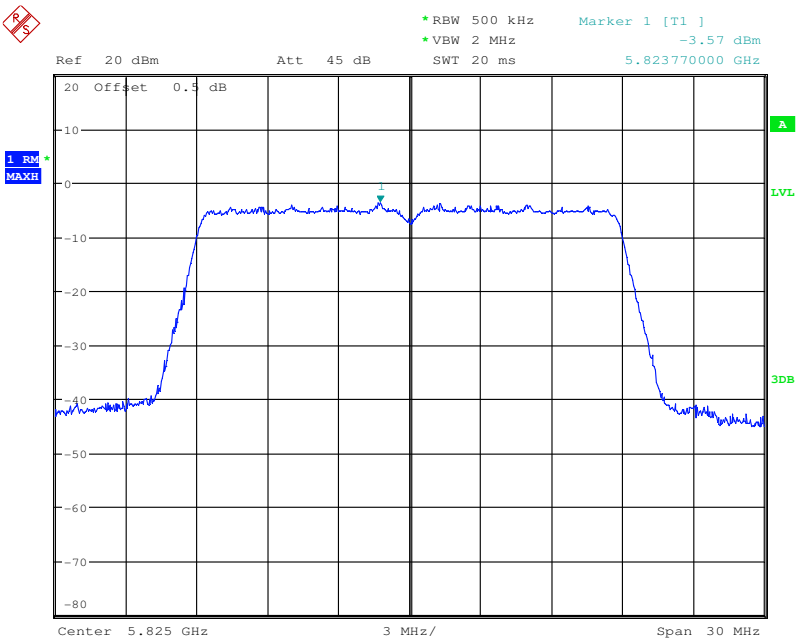
Test mode:	802.11n(HT20)	Frequency(MHz):	5745



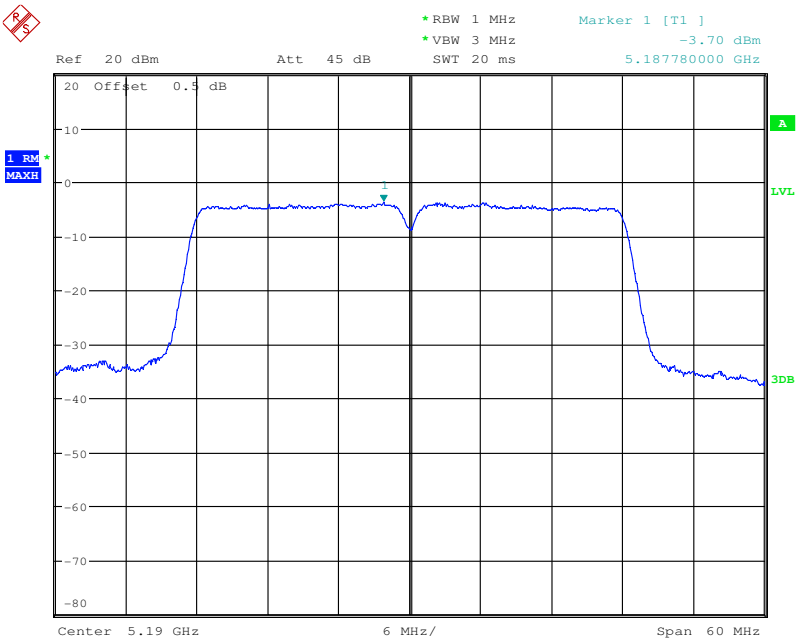
Test mode:	802.11n(HT20)	Frequency(MHz):	5785



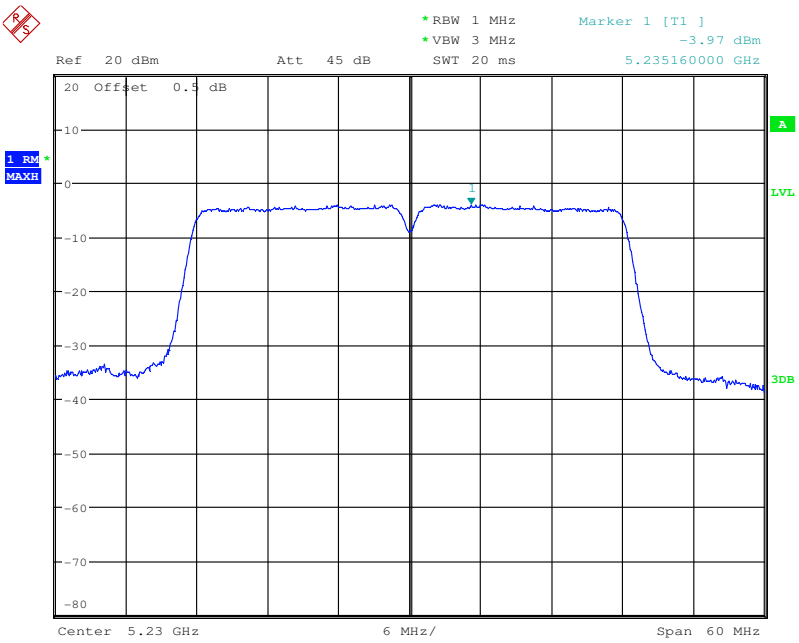
Test mode:	802.11n(HT20)	Frequency(MHz):	5825



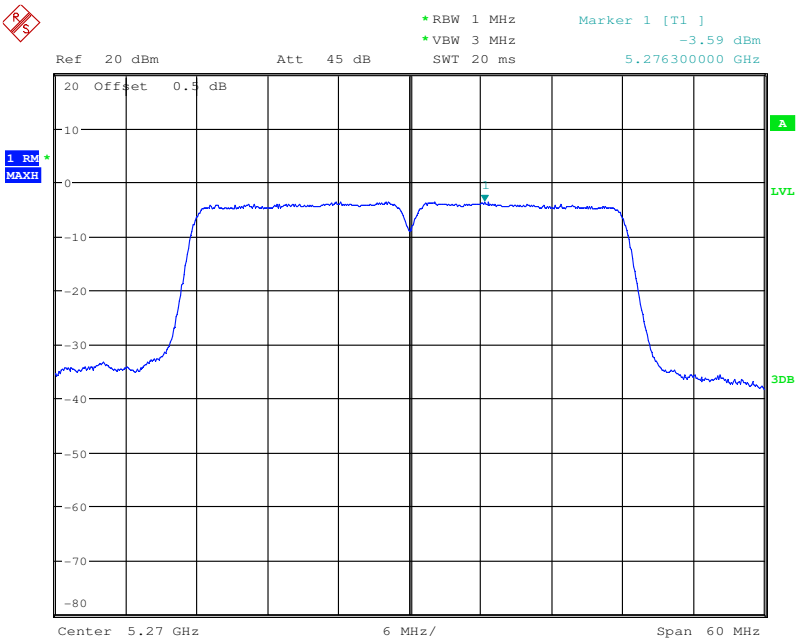
Test mode:	802.11n(HT40)	Frequency(MHz):	5190



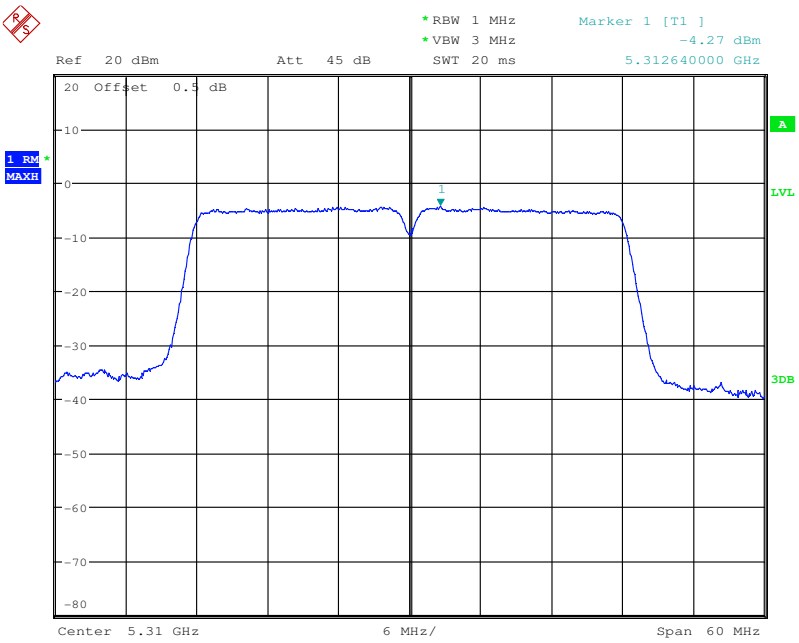
Test mode:	802.11n(HT40)	Frequency(MHz):	5230



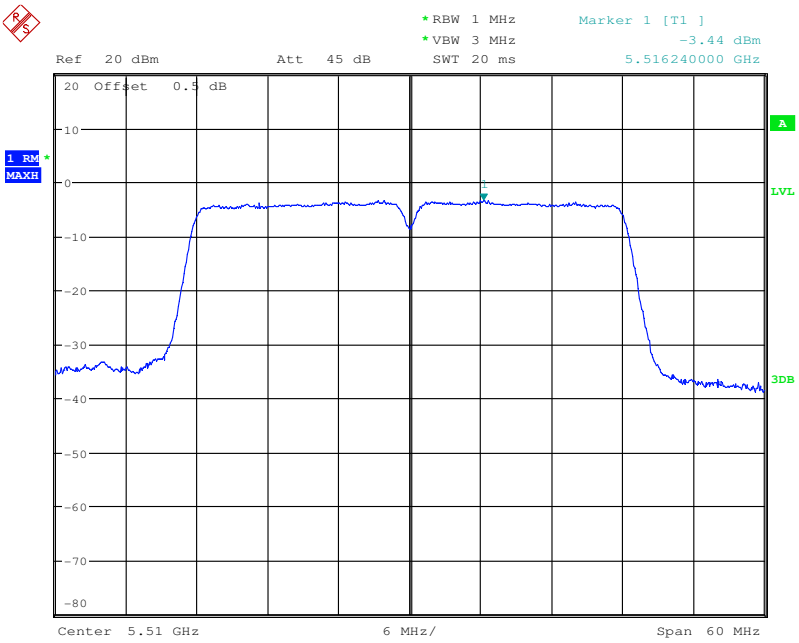
Test mode:	802.11n(HT40)	Frequency(MHz):	5270



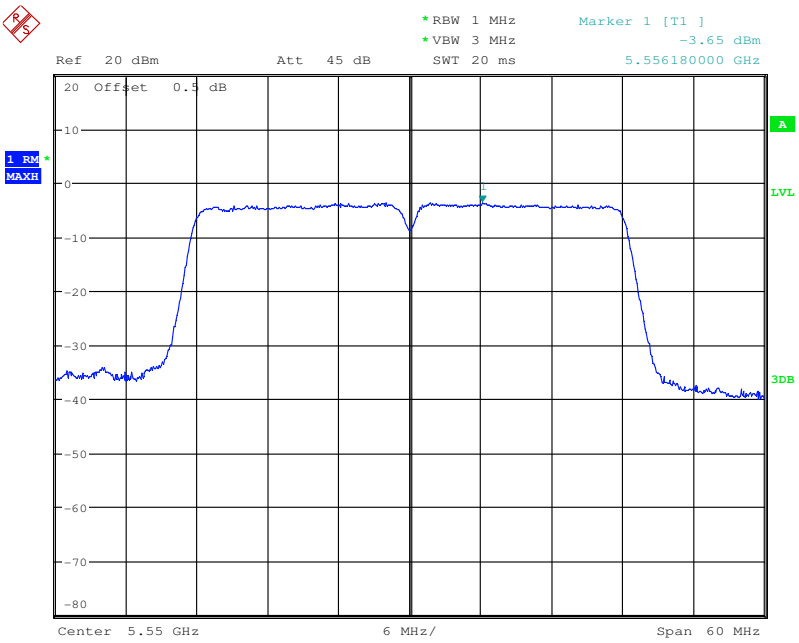
Test mode:	802.11n(HT40)	Frequency(MHz):	5310



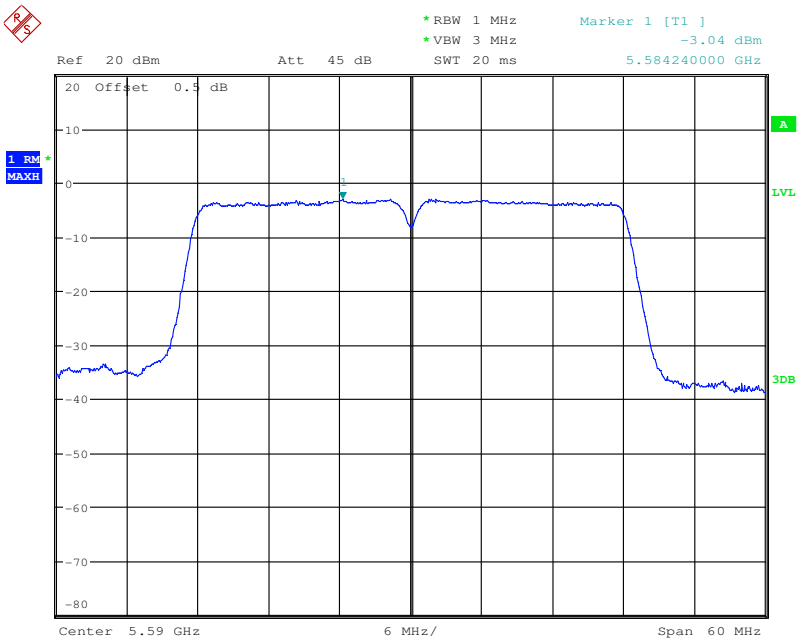
Test mode:	802.11n(HT40)	Frequency(MHz):	5510



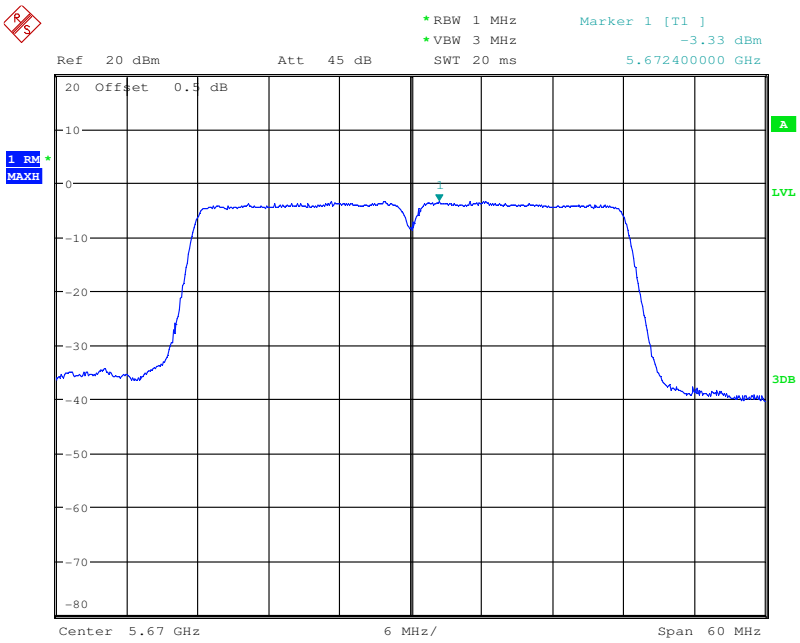
Test mode:	802.11n(HT40)	Frequency(MHz):	5550



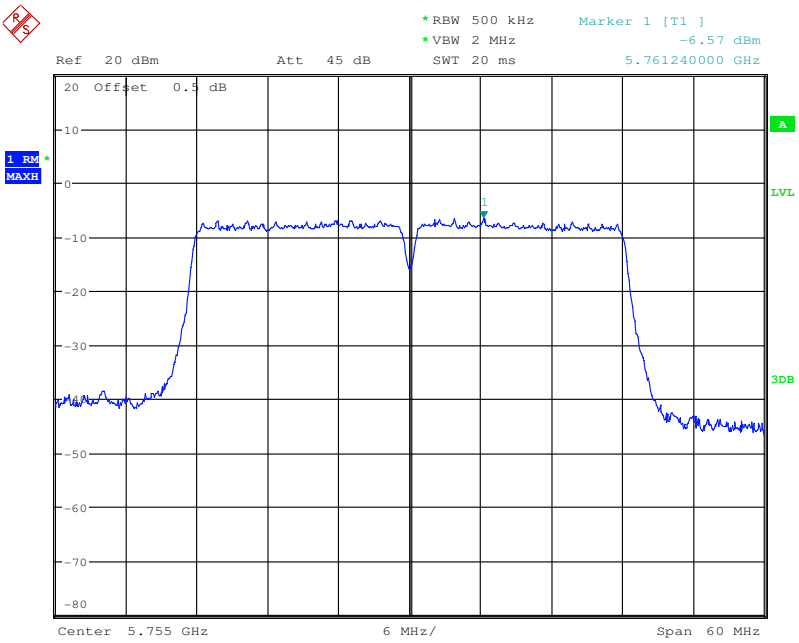
Test mode:	802.11n(HT40)	Frequency(MHz):	5590



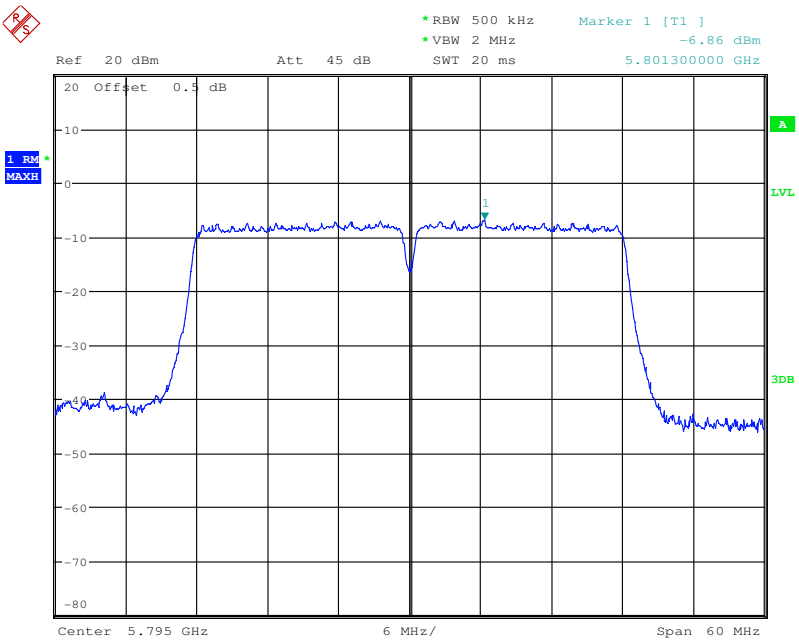
Test mode:	802.11n(HT40)	Frequency(MHz):	5670



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



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



6.8 Radiated Spurious Emissions

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

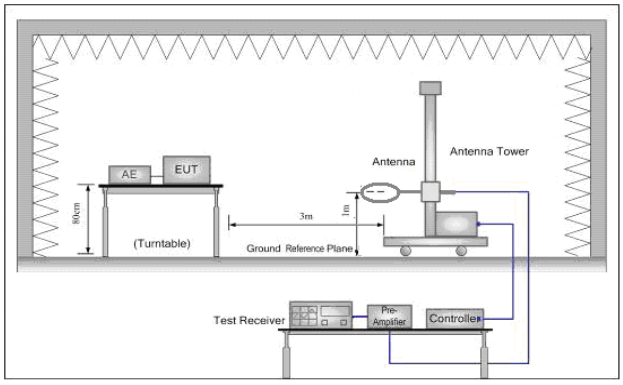


Figure 1. 30MHz to 1GHz

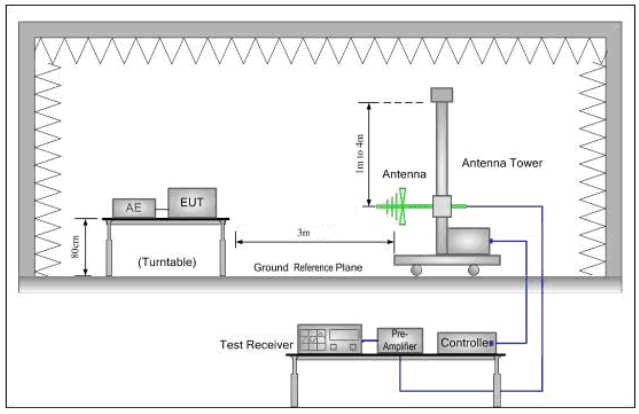


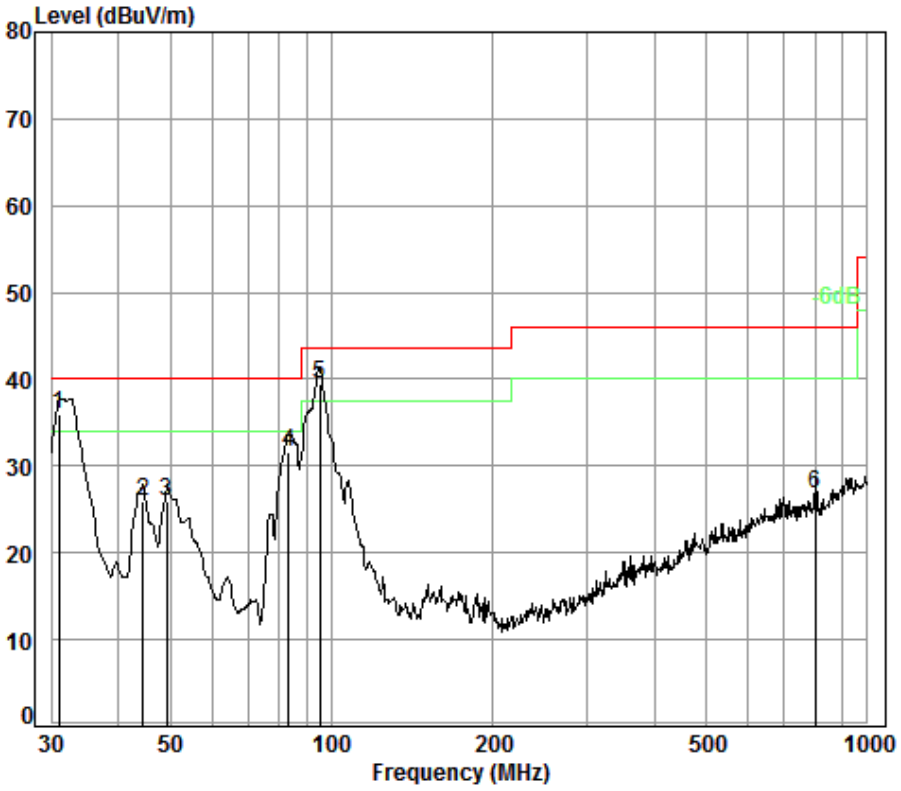
Figure 2. Above 1 GHz

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

6.8.1 Radiated emission below 1GHz

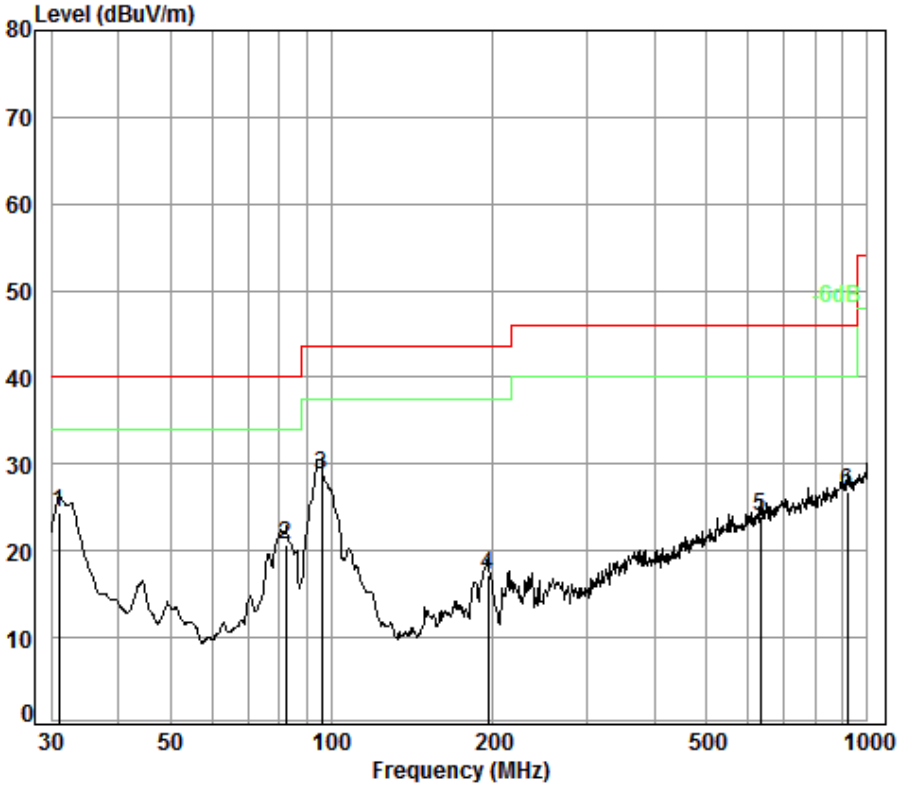
30MHz~1GHz（QP）		
Test mode:	Charge +Transmitting	Vertical



Condition: 3m VERTICAL
Job No. : 2603RG
Test mode: Charge + TX mode

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	30.96	0.60	18.36	26.00	42.99	35.95	40.00	-4.05
2	44.59	0.70	11.11	25.97	40.12	25.96	40.00	-14.04
3	49.36	0.79	9.15	25.96	41.92	25.90	40.00	-14.10
4	83.23	1.10	8.14	25.92	48.35	31.67	40.00	-8.33
5	95.09	1.15	8.96	25.90	55.14	39.35	43.50	-4.15
6	798.98	3.20	22.00	25.80	27.42	26.82	46.00	-19.18

Test mode:	Charge +Transmitting	Horizontal



Condition: 3m HORIZONTAL
Job No. : 2603RG
Test mode: Charge + TX mode

	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	30.96	0.60	18.36	26.00	31.55	24.51	40.00	-15.49
2	82.36	1.10	8.05	25.92	37.58	20.81	40.00	-19.19
3 pp	96.10	1.16	8.99	25.90	44.42	28.67	43.50	-14.83
4	195.82	1.39	10.16	25.78	31.44	17.21	43.50	-26.29
5	631.69	2.77	20.33	25.64	26.54	24.00	46.00	-22.00
6	916.07	3.62	23.33	24.95	24.89	26.89	46.00	-19.11

6.8.2Transmitter 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
7678.832	36.04	10.89	37.44	41.32	50.81	74	-23.19	Vertical
9007.715	37.00	11.80	37.18	40.04	51.66	74	-22.34	Vertical
10360.000	37.08	12.98	35.96	45.05	59.15	74	-14.85	Vertical
12775.540	37.99	14.93	37.91	37.78	52.79	74	-21.21	Vertical
15540.000	40.94	17.07	38.92	34.75	53.84	74	-20.16	Vertical
17864.510	44.06	21.66	36.94	24.53	53.31	74	-20.69	Vertical
7678.832	36.04	10.89	37.44	41.12	50.61	74	-23.39	Horizontal
9007.715	37.00	11.80	37.18	39.73	51.35	74	-22.65	Horizontal
10360.000	37.08	12.98	35.96	46.93	61.03	74	-12.97	Horizontal
12751.430	37.98	14.86	37.89	37.31	52.26	74	-21.74	Horizontal
15540.000	40.94	17.07	38.92	34.07	53.16	74	-20.84	Horizontal
17830.800	43.98	21.55	36.94	25.38	53.97	74	-20.03	Horizontal

Test mode:	802.11a		Frequency(MHz):	5180	Remark:		Average
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
10360.000	37.08	12.98	35.96	38.00	52.10	54	-1.90	Vertical
10360.000	37.08	12.98	35.96	39.50	53.60	54	-0.40	Horizontal

Test mode:	802.11a		Frequency(MHz):	5200		Remark:	Peak
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7093.172	35.49	10.64	37.69	42.82	51.26	74	-22.74	Vertical
8344.312	36.40	11.61	37.27	41.51	52.25	74	-21.75	Vertical
10440.000	37.10	13.04	35.99	39.18	53.33	74	-20.67	Vertical
13242.370	38.34	15.61	38.50	37.11	52.56	74	-21.44	Vertical
15660.000	41.06	17.18	38.73	34.35	53.86	74	-20.14	Vertical
17830.800	43.98	21.55	36.94	25.02	53.61	74	-20.39	Vertical
7106.583	35.51	10.64	37.68	41.90	50.37	74	-23.63	Horizontal
8344.312	36.40	11.61	37.27	42.31	53.05	74	-20.95	Horizontal
10440.000	37.10	13.04	35.99	44.15	58.30	74	-15.70	Horizontal
13192.440	38.29	15.60	38.42	36.99	52.46	74	-21.54	Horizontal
15660.000	41.06	17.18	38.73	33.90	53.41	74	-20.59	Horizontal
17797.150	43.90	21.44	36.95	24.81	53.20	74	-20.80	Horizontal

Test mode:	802.11a		Frequency(MHz):	5200		Remark:	Average
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
10440.000	37.10	13.04	35.99	38.61	52.76	54	-1.24	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
7678.832	36.04	10.89	37.44	41.59	51.08	74	-22.92	Vertical
8990.716	37.00	11.79	37.19	39.46	51.06	74	-22.94	Vertical
10480.000	37.10	13.07	36.00	42.39	56.56	74	-17.44	Vertical
12775.540	37.99	14.93	37.91	38.14	53.15	74	-20.85	Vertical
15720.000	41.12	17.24	38.63	33.64	53.37	74	-20.63	Vertical
17830.800	43.98	21.55	36.94	25.39	53.98	74	-20.02	Vertical
7093.172	35.49	10.64	37.69	41.85	50.29	74	-23.71	Horizontal
8344.312	36.40	11.61	37.27	42.07	52.81	74	-21.19	Horizontal
10480.000	37.10	13.07	36.00	43.38	57.55	74	-16.45	Horizontal
12751.430	37.98	14.86	37.89	37.48	52.43	74	-21.57	Horizontal
15720.000	41.12	17.24	38.63	33.47	53.20	74	-20.80	Horizontal
17830.800	43.98	21.55	36.94	24.77	53.36	74	-20.64	Horizontal

Test mode:	802.11a		Frequency(MHz):	5240		Remark:	Average
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
10480.000	37.10	13.07	36.00	38.80	52.97	54	-1.03	Vertical
10480.000	37.10	13.07	36.00	39.00	53.17	54	-0.83	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
7106.583	35.51	10.64	37.68	41.94	50.41	74	-23.59	Vertical
8344.312	36.40	11.61	37.27	41.75	52.49	74	-21.51	Vertical
10520.000	37.10	13.10	36.02	39.06	53.24	74	-20.76	Vertical
12751.430	37.98	14.86	37.89	37.86	52.81	74	-21.19	Vertical
15780.000	41.18	17.29	38.54	33.21	53.14	74	-20.86	Vertical
17797.150	43.90	21.44	36.95	25.14	53.53	74	-20.47	Vertical
7678.832	36.04	10.89	37.44	42.11	51.60	74	-22.40	Horizontal
9007.715	37.00	11.80	37.18	40.17	51.79	74	-22.21	Horizontal
10520.000	37.10	13.10	36.02	42.58	56.76	74	-17.24	Horizontal
13217.380	38.32	15.61	38.46	36.41	51.88	74	-22.12	Horizontal
15780.000	41.18	17.29	38.54	33.20	53.13	74	-20.87	Horizontal
17797.150	43.90	21.44	36.95	24.67	53.06	74	-20.94	Horizontal

Test mode:	802.11a		Frequency(MHz):	5260		Remark:	Average
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
10520.000	37.10	13.10	36.02	39.01	53.19	54	-0.81	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
7678.832	36.04	10.89	37.44	42.14	51.63	74	-22.37	Vertical
9007.715	37.00	11.80	37.18	40.08	51.70	74	-22.30	Vertical
10600.000	37.10	13.16	36.04	39.49	53.71	74	-20.29	Vertical
12751.430	37.98	14.86	37.89	37.75	52.70	74	-21.30	Vertical
15900.000	41.25	17.41	38.35	33.00	53.31	74	-20.69	Vertical
17966.030	44.32	22.01	36.92	24.43	53.84	74	-20.16	Vertical
7039.780	35.44	10.62	37.71	44.80	53.15	74	-20.85	Horizontal
8344.312	36.40	11.61	37.27	41.19	51.93	74	-22.07	Horizontal
10600.000	37.10	13.16	36.04	43.52	57.74	74	-16.26	Horizontal
12775.540	37.99	14.93	37.91	37.99	53.00	74	-21.00	Horizontal
15900.000	41.25	17.41	38.35	32.63	52.94	74	-21.06	Horizontal
17830.800	43.98	21.55	36.94	24.70	53.29	74	-20.71	Horizontal

Test mode:	802.11a		Frequency(MHz):	5300	Remark:		Average
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
10600.000	37.10	13.16	36.04	38.00	52.22	54	-1.78	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
7678.832	36.04	10.89	37.44	41.22	50.71	74	-23.29	Vertical
9007.715	37.00	11.80	37.18	39.31	50.93	74	-23.07	Vertical
10640.000	37.12	13.19	36.06	38.77	53.02	74	-20.98	Vertical
12751.430	37.98	14.86	37.89	37.98	52.93	74	-21.07	Vertical
15960.000	41.28	17.46	38.26	32.43	52.91	74	-21.09	Vertical
17596.580	43.69	20.75	36.98	26.15	53.61	74	-20.39	Vertical
7093.172	35.49	10.64	37.69	42.37	50.81	74	-23.19	Horizontal
8344.312	36.40	11.61	37.27	42.39	53.13	74	-20.87	Horizontal
10640.000	37.12	13.19	36.06	42.77	57.02	74	-16.98	Horizontal
12775.540	37.99	14.93	37.91	36.91	51.92	74	-22.08	Horizontal
15960.000	41.28	17.46	38.26	33.15	53.63	74	-20.37	Horizontal
17830.800	43.98	21.55	36.94	24.51	53.10	74	-20.90	Horizontal

Test mode:	802.11a		Frequency(MHz):	5320		Remark:	Average
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
10640.000	37.12	13.19	36.06	37.20	51.45	54	-2.55	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
7120.020	35.52	10.65	37.68	42.67	51.16	74	-22.84	Vertical
8990.716	37.00	11.79	37.19	39.33	50.93	74	-23.07	Vertical
11000.000	37.30	13.45	36.18	35.33	49.90	74	-24.10	Vertical
12751.430	37.98	14.86	37.89	38.83	53.78	74	-20.22	Vertical
14512.850	40.01	16.40	39.72	36.08	52.77	74	-21.23	Vertical
16500.000	42.00	17.59	37.62	31.74	53.71	74	-20.29	Vertical
7678.832	36.04	10.89	37.44	41.12	50.61	74	-23.39	Horizontal
9659.786	37.10	12.53	36.28	39.90	53.25	74	-20.75	Horizontal
11000.000	37.30	13.45	36.18	38.34	52.91	74	-21.09	Horizontal
12775.540	37.99	14.93	37.91	37.49	52.50	74	-21.50	Horizontal
14929.940	40.47	16.52	39.78	36.43	53.64	74	-20.36	Horizontal
16500.000	42.00	17.59	37.62	31.70	53.67	74	-20.33	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
7678.832	36.04	10.89	37.44	43.25	52.74	74	-21.26	Vertical
9007.715	37.00	11.80	37.18	39.38	51.00	74	-23.00	Vertical
11200.000	37.30	13.68	36.39	35.53	50.12	74	-23.88	Vertical
12775.540	37.99	14.93	37.91	37.35	52.36	74	-21.64	Vertical
14485.460	39.99	16.39	39.72	35.80	52.46	74	-21.54	Vertical
16800.790	42.50	18.24	37.28	30.39	53.85	74	-20.15	Vertical
7093.172	35.49	10.64	37.69	41.96	50.40	74	-23.60	Horizontal
8328.564	36.40	11.58	37.27	41.46	52.17	74	-21.83	Horizontal
11200.000	37.30	13.68	36.39	39.19	53.78	74	-20.22	Horizontal
12751.430	37.98	14.86	37.89	37.57	52.52	74	-21.48	Horizontal
14485.460	39.99	16.39	39.72	36.74	53.40	74	-20.60	Horizontal
16800.790	42.50	18.24	37.28	30.07	53.53	74	-20.47	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
7093.172	35.49	10.64	37.69	41.70	50.14	74	-23.86	Vertical
9007.715	37.00	11.80	37.18	40.65	52.27	74	-21.73	Vertical
11400.000	37.40	13.91	36.59	36.46	51.18	74	-22.82	Vertical
13217.380	38.32	15.61	38.46	37.27	52.74	74	-21.26	Vertical
15243.400	40.72	16.78	39.39	34.52	52.63	74	-21.37	Vertical
17100.000	42.90	19.02	37.05	28.14	53.01	74	-20.99	Vertical
7678.832	36.04	10.89	37.44	41.85	51.34	74	-22.66	Horizontal
9007.715	37.00	11.80	37.18	39.84	51.46	74	-22.54	Horizontal
11400.000	37.40	13.91	36.59	38.69	53.41	74	-20.59	Horizontal
13217.380	38.32	15.61	38.46	36.15	51.62	74	-22.38	Horizontal
15592.870	40.99	17.12	38.84	33.11	52.38	74	-21.62	Horizontal
17100.000	42.90	19.02	37.05	28.33	53.20	74	-20.80	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
7678.832	36.04	10.89	37.44	42.61	52.10	74	-21.90	Vertical
9007.715	37.00	11.80	37.18	40.66	52.28	74	-21.72	Vertical
11490.000	37.45	14.01	36.68	36.28	51.06	74	-22.94	Vertical
13217.380	38.32	15.61	38.46	37.25	52.72	74	-21.28	Vertical
14929.940	40.47	16.52	39.78	35.96	53.17	74	-20.83	Vertical
17235.000	43.05	19.50	37.03	28.41	53.93	74	-20.07	Vertical
7678.832	36.04	10.89	37.44	41.56	51.05	74	-22.95	Horizontal
9659.786	37.10	12.53	36.28	39.78	53.13	74	-20.87	Horizontal
11490.000	37.45	14.01	36.68	36.89	51.67	74	-22.33	Horizontal
13217.380	38.32	15.61	38.46	37.37	52.84	74	-21.16	Horizontal
14929.940	40.47	16.52	39.78	36.13	53.34	74	-20.66	Horizontal
17235.000	43.05	19.50	37.03	28.34	53.86	74	-20.14	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
7664.340	36.03	10.88	37.44	41.58	51.05	74	-22.95	Vertical
8990.716	37.00	11.79	37.19	39.38	50.98	74	-23.02	Vertical
11570.000	37.49	14.09	36.75	34.86	49.69	74	-24.31	Vertical
13217.380	38.32	15.61	38.46	36.28	51.75	74	-22.25	Vertical
15214.630	40.71	16.75	39.44	34.93	52.95	74	-21.05	Vertical
17355.000	43.23	19.92	37.01	27.83	53.97	74	-20.03	Vertical
7678.832	36.04	10.89	37.44	41.13	50.62	74	-23.38	Horizontal
9659.786	37.10	12.53	36.28	40.13	53.48	74	-20.52	Horizontal
11570.000	37.49	14.09	36.75	35.13	49.96	74	-24.04	Horizontal
13804.270	39.10	16.03	39.36	37.24	53.01	74	-20.99	Horizontal
16223.830	41.71	17.54	37.94	31.87	53.18	74	-20.82	Horizontal
17355.000	43.23	19.92	37.01	27.05	53.19	74	-20.81	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
7093.172	35.49	10.64	37.69	42.75	51.19	74	-22.81	Vertical
9007.715	37.00	11.80	37.18	39.98	51.60	74	-22.40	Vertical
11650.000	37.50	14.18	36.83	34.92	49.77	74	-24.23	Vertical
13804.270	39.10	16.03	39.36	36.27	52.04	74	-21.96	Vertical
15800.410	41.20	17.31	38.51	33.46	53.46	74	-20.54	Vertical
17475.000	43.45	20.33	36.99	26.76	53.55	74	-20.45	Vertical
7678.832	36.04	10.89	37.44	42.11	51.60	74	-22.40	Horizontal
9659.786	37.10	12.53	36.28	40.20	53.55	74	-20.45	Horizontal
11650.000	37.50	14.18	36.83	35.08	49.93	74	-24.07	Horizontal
13778.220	39.06	16.00	39.32	36.27	52.01	74	-21.99	Horizontal
16010.720	41.32	17.50	38.19	32.68	53.31	74	-20.69	Horizontal
17475.000	43.45	20.33	36.99	26.82	53.61	74	-20.39	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
7093.172	35.49	10.64	37.69	42.49	50.93	74	-23.07	Vertical
8328.564	36.40	11.58	37.27	41.86	52.57	74	-21.43	Vertical
10360.000	37.08	12.98	35.96	43.40	57.50	74	-16.50	Vertical
12775.540	37.99	14.93	37.91	37.48	52.49	74	-21.51	Vertical
15540.000	40.94	17.07	38.92	34.60	53.69	74	-20.31	Vertical
17830.800	43.98	21.55	36.94	25.26	53.85	74	-20.15	Vertical
7678.832	36.04	10.89	37.44	42.26	51.75	74	-22.25	Horizontal
9007.715	37.00	11.80	37.18	40.32	51.94	74	-22.06	Horizontal
10360.000	37.08	12.98	35.96	48.11	62.21	74	-11.79	Horizontal
13167.540	38.27	15.59	38.38	36.55	52.03	74	-21.97	Horizontal
15540.000	40.94	17.07	38.92	33.89	52.98	74	-21.02	Horizontal
17966.030	44.32	22.01	36.92	24.33	53.74	74	-20.26	Horizontal

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

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
10360.000	37.08	12.98	35.96	37.40	51.50	54	-2.50	Vertical
10360.000	37.08	12.98	35.96	39.70	53.80	54	-0.20	Horizontal

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

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7093.172	35.49	10.64	37.69	42.13	50.57	74	-23.43	Vertical
8344.312	36.40	11.61	37.27	43.07	53.81	74	-20.19	Vertical
10440.000	37.10	13.04	35.99	42.62	56.77	74	-17.23	Vertical
12751.430	37.98	14.86	37.89	37.26	52.21	74	-21.79	Vertical
15660.000	41.06	17.18	38.73	33.83	53.34	74	-20.66	Vertical
17830.800	43.98	21.55	36.94	25.22	53.81	74	-20.19	Vertical
7664.340	36.03	10.88	37.44	41.65	51.12	74	-22.88	Horizontal
9007.715	37.00	11.80	37.18	39.79	51.41	74	-22.59	Horizontal
10440.000	37.10	13.04	35.99	44.20	58.35	74	-15.65	Horizontal
12751.430	37.98	14.86	37.89	37.83	52.78	74	-21.22	Horizontal
15660.000	41.06	17.18	38.73	33.01	52.52	74	-21.48	Horizontal
17830.800	43.98	21.55	36.94	25.22	53.81	74	-20.19	Horizontal

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

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
10440.000	37.10	13.04	35.99	37.21	51.36	54	-2.64	Vertical
10440.000	37.10	13.04	35.99	39.01	53.16	54	-0.84	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
7093.172	35.49	10.64	37.69	42.27	50.71	74	-23.29	Vertical
8344.312	36.40	11.61	37.27	42.35	53.09	74	-20.91	Vertical
10480.000	37.10	13.07	36.00	41.07	55.24	74	-18.76	Vertical
12775.540	37.99	14.93	37.91	37.43	52.44	74	-21.56	Vertical
15720.000	41.12	17.24	38.63	33.41	53.14	74	-20.86	Vertical
17864.510	44.06	21.66	36.94	24.90	53.68	74	-20.32	Vertical
7678.832	36.04	10.89	37.44	41.27	50.76	74	-23.24	Horizontal
8990.716	37.00	11.79	37.19	40.92	52.52	74	-21.48	Horizontal
10480.000	37.10	13.07	36.00	43.96	58.13	74	-15.87	Horizontal
13217.380	38.32	15.61	38.46	36.17	51.64	74	-22.36	Horizontal
15720.000	41.12	17.24	38.63	33.64	53.37	74	-20.63	Horizontal
17966.030	44.32	22.01	36.92	23.67	53.08	74	-20.92	Horizontal

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

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
10480.000	37.10	13.07	36.00	37.50	51.67	54	-2.33	Vertical
10480.000	37.10	13.07	36.00	39.20	53.37	54	-0.63	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
7678.832	36.04	10.89	37.44	42.70	52.19	74	-21.81	Vertical
9007.715	37.00	11.80	37.18	39.58	51.20	74	-22.80	Vertical
10520.000	37.10	13.10	36.02	39.08	53.26	74	-20.74	Vertical
13217.380	38.32	15.61	38.46	37.17	52.64	74	-21.36	Vertical
15780.000	41.18	17.29	38.54	33.21	53.14	74	-20.86	Vertical
17864.510	44.06	21.66	36.94	25.01	53.79	74	-20.21	Vertical
7093.172	35.49	10.64	37.69	42.30	50.74	74	-23.26	Horizontal
9007.715	37.00	11.80	37.18	40.76	52.38	74	-21.62	Horizontal
10520.000	37.10	13.10	36.02	40.87	55.05	74	-18.95	Horizontal
12751.430	37.98	14.86	37.89	38.09	53.04	74	-20.96	Horizontal
15780.000	41.18	17.29	38.54	33.55	53.48	74	-20.52	Horizontal
17830.800	43.98	21.55	36.94	25.23	53.82	74	-20.18	Horizontal

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

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
10520.000	37.10	13.10	36.02	38.81	52.99	54	-1.01	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
7093.172	35.49	10.64	37.69	42.85	51.29	74	-22.71	Vertical
9007.715	37.00	11.80	37.18	40.23	51.85	74	-22.15	Vertical
10600.000	37.10	13.16	36.04	37.96	52.18	74	-21.82	Vertical
12751.430	37.98	14.86	37.89	37.10	52.05	74	-21.95	Vertical
15900.000	41.25	17.41	38.35	33.08	53.39	74	-20.61	Vertical
17830.800	43.98	21.55	36.94	24.49	53.08	74	-20.92	Vertical
7678.832	36.04	10.89	37.44	42.15	51.64	74	-22.36	Horizontal
9007.715	37.00	11.80	37.18	39.92	51.54	74	-22.46	Horizontal
10600.000	37.10	13.16	36.04	40.05	54.27	74	-19.73	Horizontal
13217.380	38.32	15.61	38.46	36.98	52.45	74	-21.55	Horizontal
15900.000	41.25	17.41	38.35	32.13	52.44	74	-21.56	Horizontal
17932.130	44.23	21.89	36.93	24.23	53.42	74	-20.58	Horizontal

Test mode:	802.11n(HT20)		Frequency(MHz):	5300		Remark:	Average
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
10600.000	37.10	13.16	36.04	38.00	52.22	54	-1.78	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
7678.832	36.04	10.89	37.44	41.43	50.92	74	-23.08	Vertical
8990.716	37.00	11.79	37.19	39.47	51.07	74	-22.93	Vertical
10640.000	37.12	13.19	36.06	38.69	52.94	74	-21.06	Vertical
13093.140	38.19	15.57	38.27	36.14	51.63	74	-22.37	Vertical
15960.000	41.28	17.46	38.26	32.53	53.01	74	-20.99	Vertical
17830.800	43.98	21.55	36.94	25.33	53.92	74	-20.08	Vertical
7093.172	35.49	10.64	37.69	42.69	51.13	74	-22.87	Horizontal
8328.564	36.40	11.58	37.27	41.99	52.70	74	-21.30	Horizontal
10640.000	37.12	13.19	36.06	40.67	54.92	74	-19.08	Horizontal
13192.440	38.29	15.60	38.42	36.72	52.19	74	-21.81	Horizontal
15960.000	41.28	17.46	38.26	32.42	52.90	74	-21.10	Horizontal
17830.800	43.98	21.55	36.94	25.33	53.92	74	-20.08	Horizontal

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

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
10640.000	37.12	13.19	36.06	37.40	51.65	54	-2.35	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
7093.172	35.49	10.64	37.69	42.83	51.27	74	-22.73	Vertical
8328.564	36.40	11.58	37.27	42.04	52.75	74	-21.25	Vertical
11000.000	37.30	13.45	36.18	34.57	49.14	74	-24.86	Vertical
12751.430	37.98	14.86	37.89	38.22	53.17	74	-20.83	Vertical
14706.020	40.26	16.46	39.75	35.90	52.87	74	-21.13	Vertical
16500.000	42.00	17.59	37.62	32.02	53.99	74	-20.01	Vertical
7678.832	36.04	10.89	37.44	42.30	51.79	74	-22.21	Horizontal
8990.716	37.00	11.79	37.19	39.77	51.37	74	-22.63	Horizontal
11000.000	37.30	13.45	36.18	35.82	50.39	74	-23.61	Horizontal
13117.890	38.22	15.58	38.31	36.98	52.47	74	-21.53	Horizontal
14512.850	40.01	16.40	39.72	36.86	53.55	74	-20.45	Horizontal
16500.000	42.00	17.59	37.62	31.90	53.87	74	-20.13	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
7678.832	36.04	10.89	37.44	43.19	52.68	74	-21.32	Vertical
8990.716	37.00	11.79	37.19	39.60	51.20	74	-22.80	Vertical
11200.000	37.30	13.68	36.39	36.31	50.90	74	-23.10	Vertical
13217.380	38.32	15.61	38.46	37.46	52.93	74	-21.07	Vertical
15071.610	40.57	16.61	39.67	35.75	53.26	74	-20.74	Vertical
16800.000	42.50	18.24	37.28	29.58	53.04	74	-20.96	Vertical
7093.172	35.49	10.64	37.69	42.06	50.50	74	-23.50	Horizontal
8344.312	36.40	11.61	37.27	42.68	53.42	74	-20.58	Horizontal
11200.000	37.30	13.68	36.39	38.71	53.30	74	-20.70	Horizontal
13217.380	38.32	15.61	38.46	37.44	52.91	74	-21.09	Horizontal
14901.760	40.45	16.51	39.78	35.72	52.90	74	-21.10	Horizontal
16800.000	42.50	18.24	37.28	30.05	53.51	74	-20.49	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
7678.832	36.04	10.89	37.44	41.79	51.28	74	-22.72	Vertical
9659.786	37.10	12.53	36.28	40.29	53.64	74	-20.36	Vertical
11400.000	37.40	13.91	36.59	37.01	51.73	74	-22.27	Vertical
12751.430	37.98	14.86	37.89	36.55	51.50	74	-22.50	Vertical
15185.920	40.69	16.72	39.49	34.68	52.60	74	-21.40	Vertical
17100.000	42.90	19.02	37.05	29.12	53.99	74	-20.01	Vertical
7133.481	35.53	10.65	37.67	41.73	50.24	74	-23.76	Horizontal
8344.312	36.40	11.61	37.27	42.02	52.76	74	-21.24	Horizontal
11400.000	37.40	13.91	36.59	37.54	52.26	74	-21.74	Horizontal
12775.540	37.99	14.93	37.91	38.10	53.11	74	-20.89	Horizontal
14485.460	39.99	16.39	39.72	35.94	52.60	74	-21.40	Horizontal
17100.000	42.90	19.02	37.05	28.28	53.15	74	-20.85	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
7093.172	35.49	10.64	37.69	42.27	50.71	74	-23.29	Vertical
8328.564	36.40	11.58	37.27	42.03	52.74	74	-21.26	Vertical
11490.000	37.45	14.01	36.68	34.63	49.41	74	-24.59	Vertical
13804.270	39.10	16.03	39.36	37.81	53.58	74	-20.42	Vertical
16101.710	41.50	17.52	38.08	32.25	53.19	74	-20.81	Vertical
17235.000	43.05	19.50	37.03	27.83	53.35	74	-20.65	Vertical
7678.832	36.04	10.89	37.44	42.82	52.31	74	-21.69	Horizontal
9659.786	37.10	12.53	36.28	39.70	53.05	74	-20.95	Horizontal
11490.000	37.45	14.01	36.68	37.28	52.06	74	-21.94	Horizontal
13192.440	38.29	15.60	38.42	36.81	52.28	74	-21.72	Horizontal
14929.940	40.47	16.52	39.78	35.91	53.12	74	-20.88	Horizontal
17235.000	43.05	19.50	37.03	27.82	53.34	74	-20.66	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
7678.832	36.04	10.89	37.44	42.15	51.64	74	-22.36	Vertical
9007.715	37.00	11.80	37.18	39.72	51.34	74	-22.66	Vertical
11570.000	37.49	14.09	36.75	35.08	49.91	74	-24.09	Vertical
13267.410	38.37	15.62	38.54	36.16	51.61	74	-22.39	Vertical
15171.580	40.67	16.71	39.51	34.94	52.81	74	-21.19	Vertical
17355.000	43.23	19.92	37.01	27.55	53.69	74	-20.31	Vertical
7093.172	35.49	10.64	37.69	42.79	51.23	74	-22.77	Horizontal
9007.715	37.00	11.80	37.18	40.25	51.87	74	-22.13	Horizontal
11570.000	37.49	14.09	36.75	37.10	51.93	74	-22.07	Horizontal
13093.140	38.19	15.57	38.27	36.76	52.25	74	-21.75	Horizontal
15185.920	40.69	16.72	39.49	34.73	52.65	74	-21.35	Horizontal
17355.000	43.23	19.92	37.01	27.02	53.16	74	-20.84	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
7678.832	36.04	10.89	37.44	41.41	50.90	74	-23.10	Vertical
9659.786	37.10	12.53	36.28	40.36	53.71	74	-20.29	Vertical
11650.000	37.50	14.18	36.83	35.12	49.97	74	-24.03	Vertical
13167.540	38.27	15.59	38.38	37.88	53.36	74	-20.64	Vertical
15214.630	40.71	16.75	39.44	35.60	53.62	74	-20.38	Vertical
17475.000	43.45	20.33	36.99	26.90	53.69	74	-20.31	Vertical
7039.780	35.44	10.62	37.71	43.00	51.35	74	-22.65	Horizontal
9007.715	37.00	11.80	37.18	39.64	51.26	74	-22.74	Horizontal
11650.000	37.50	14.18	36.83	36.42	51.27	74	-22.73	Horizontal
13192.440	38.29	15.60	38.42	36.99	52.46	74	-21.54	Horizontal
14901.760	40.45	16.51	39.78	36.07	53.25	74	-20.75	Horizontal
17475.000	43.45	20.33	36.99	27.02	53.81	74	-20.19	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
7678.832	36.04	10.89	37.44	41.44	50.93	74	-23.07	Vertical
8990.716	37.00	11.79	37.19	39.68	51.28	74	-22.72	Vertical
10380.000	37.09	13.00	35.97	41.83	55.95	74	-18.05	Vertical
12775.540	37.99	14.93	37.91	37.69	52.70	74	-21.30	Vertical
15570.000	40.97	17.09	38.87	34.57	53.76	74	-20.24	Vertical
17898.290	44.15	21.78	36.93	24.32	53.32	74	-20.68	Vertical
7093.172	35.49	10.64	37.69	42.10	50.54	74	-23.46	Horizontal
9007.715	37.00	11.80	37.18	40.07	51.69	74	-22.31	Horizontal
10380.000	37.09	13.00	35.97	45.03	59.15	74	-14.85	Horizontal
13142.690	38.24	15.59	38.35	37.32	52.80	74	-21.20	Horizontal
15570.000	40.97	17.09	38.87	33.65	52.84	74	-21.16	Horizontal
17797.150	43.90	21.44	36.95	25.09	53.48	74	-20.52	Horizontal

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

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
10380.000	37.09	13.00	35.97	35.50	49.62	54	-4.38	Vertical
10380.000	37.09	13.00	35.97	38.00	52.12	54	-1.88	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
7079.786	35.48	10.63	37.69	42.18	50.60	74	-23.40	Vertical
8328.564	36.40	11.58	37.27	41.50	52.21	74	-21.79	Vertical
10460.000	37.10	13.06	36.00	39.14	53.30	74	-20.70	Vertical
13192.440	38.29	15.60	38.42	37.13	52.60	74	-21.40	Vertical
15690.000	41.09	17.21	38.68	33.91	53.53	74	-20.47	Vertical
17797.150	43.90	21.44	36.95	25.04	53.43	74	-20.57	Vertical
7678.832	36.04	10.89	37.44	41.59	51.08	74	-22.92	Horizontal
8990.716	37.00	11.79	37.19	39.49	51.09	74	-22.91	Horizontal
10460.000	37.10	13.06	36.00	43.34	57.50	74	-16.50	Horizontal
13192.440	38.29	15.60	38.42	37.23	52.70	74	-21.30	Horizontal
15690.000	41.09	17.21	38.68	33.32	52.94	74	-21.06	Horizontal
17830.800	43.98	21.55	36.94	24.89	53.48	74	-20.52	Horizontal

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

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
10460.000	37.10	13.06	36.00	38.00	52.16	54	-1.84	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
7678.832	36.04	10.89	37.44	41.87	51.36	74	-22.64	Vertical
9007.715	37.00	11.80	37.18	39.62	51.24	74	-22.76	Vertical
10540.000	37.10	13.12	36.02	38.08	52.28	74	-21.72	Vertical
12751.430	37.98	14.86	37.89	37.75	52.70	74	-21.30	Vertical
15810.000	41.21	17.32	38.49	33.52	53.56	74	-20.44	Vertical
17830.800	43.98	21.55	36.94	25.14	53.73	74	-20.27	Vertical
7026.495	35.43	10.61	37.72	44.63	52.95	74	-21.05	Horizontal
8328.564	36.40	11.58	37.27	41.22	51.93	74	-22.07	Horizontal
10540.000	37.10	13.12	36.02	39.29	53.49	74	-20.51	Horizontal
13217.380	38.32	15.61	38.46	37.60	53.07	74	-20.93	Horizontal
15810.000	41.21	17.32	38.49	33.64	53.68	74	-20.32	Horizontal
17864.510	44.06	21.66	36.94	24.39	53.17	74	-20.83	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
7053.090	35.45	10.62	37.71	43.72	52.08	74	-21.92	Vertical
8344.312	36.40	11.61	37.27	41.70	52.44	74	-21.56	Vertical
10620.000	37.11	13.18	36.05	37.73	51.97	74	-22.03	Vertical
12751.430	37.98	14.86	37.89	38.55	53.50	74	-20.50	Vertical
15930.000	41.27	17.43	38.31	32.40	52.79	74	-21.21	Vertical
17797.150	43.90	21.44	36.95	25.03	53.42	74	-20.58	Vertical
7678.832	36.04	10.89	37.44	41.85	51.34	74	-22.66	Horizontal
9007.715	37.00	11.80	37.18	40.11	51.73	74	-22.27	Horizontal
10620.000	37.11	13.18	36.05	39.00	53.24	74	-20.76	Horizontal
13242.370	38.34	15.61	38.50	35.74	51.19	74	-22.81	Horizontal
15930.000	41.27	17.43	38.31	33.03	53.42	74	-20.58	Horizontal
17864.510	44.06	21.66	36.94	25.15	53.93	74	-20.07	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
7093.172	35.49	10.64	37.69	42.10	50.54	74	-23.46	Vertical
8328.564	36.40	11.58	37.27	41.68	52.39	74	-21.61	Vertical
11020.000	37.30	13.47	36.20	36.33	50.90	74	-23.10	Vertical
12751.430	37.98	14.86	37.89	37.53	52.48	74	-21.52	Vertical
14567.780	40.07	16.42	39.73	36.70	53.46	74	-20.54	Vertical
16530.000	42.06	17.66	37.59	31.68	53.81	74	-20.19	Vertical
7678.832	36.04	10.89	37.44	41.54	51.03	74	-22.97	Horizontal
9659.786	37.10	12.53	36.28	39.77	53.12	74	-20.88	Horizontal
11020.000	37.30	13.47	36.20	36.32	50.89	74	-23.11	Horizontal
12751.430	37.98	14.86	37.89	37.88	52.83	74	-21.17	Horizontal
14485.460	39.99	16.39	39.72	35.77	52.43	74	-21.57	Horizontal
16530.000	42.06	17.66	37.59	31.02	53.15	74	-20.85	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
7093.172	35.49	10.64	37.69	42.94	51.38	74	-22.62	Vertical
9007.715	37.00	11.80	37.18	40.35	51.97	74	-22.03	Vertical
11180.000	37.30	13.66	36.36	34.90	49.50	74	-24.50	Vertical
12751.430	37.98	14.86	37.89	38.13	53.08	74	-20.92	Vertical
14929.940	40.47	16.52	39.78	35.34	52.55	74	-21.45	Vertical
16770.000	42.46	18.18	37.32	30.32	53.64	74	-20.36	Vertical
7678.832	36.04	10.89	37.44	41.75	51.24	74	-22.76	Horizontal
9659.786	37.10	12.53	36.28	40.47	53.82	74	-20.18	Horizontal
11180.000	37.30	13.66	36.36	35.36	49.96	74	-24.04	Horizontal
12751.430	37.98	14.86	37.89	37.57	52.52	74	-21.48	Horizontal
14706.020	40.26	16.46	39.75	35.37	52.34	74	-21.66	Horizontal
16770.000	42.46	18.18	37.32	29.81	53.13	74	-20.87	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
7039.780	35.44	10.62	37.71	43.30	51.65	74	-22.35	Vertical
8328.564	36.40	11.58	37.27	42.16	52.87	74	-21.13	Vertical
11340.000	37.37	13.84	36.53	35.51	50.19	74	-23.81	Vertical
12751.430	37.98	14.86	37.89	37.31	52.26	74	-21.74	Vertical
14650.570	40.18	16.44	39.74	35.90	52.78	74	-21.22	Vertical
17010.000	42.81	18.71	37.06	28.74	53.20	74	-20.80	Vertical
7678.832	36.04	10.89	37.44	41.83	51.32	74	-22.68	Horizontal
9659.786	37.10	12.53	36.28	40.59	53.94	74	-20.06	Horizontal
11340.000	37.37	13.84	36.53	36.30	50.98	74	-23.02	Horizontal
13192.440	38.29	15.60	38.42	36.88	52.35	74	-21.65	Horizontal
15128.660	40.63	16.67	39.58	35.54	53.26	74	-20.74	Horizontal
17010.000	42.81	18.71	37.06	28.79	53.25	74	-20.75	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
7039.780	35.44	10.62	37.71	43.67	52.02	74	-21.98	Vertical
9007.715	37.00	11.80	37.18	40.88	52.50	74	-21.50	Vertical
11510.000	37.46	14.03	36.70	34.48	49.27	74	-24.73	Vertical
12751.430	37.98	14.86	37.89	38.04	52.99	74	-21.01	Vertical
14650.570	40.18	16.44	39.74	35.78	52.66	74	-21.34	Vertical
17265.000	43.10	19.60	37.02	27.95	53.63	74	-20.37	Vertical
7678.832	36.04	10.89	37.44	42.14	51.63	74	-22.37	Horizontal
9659.786	37.10	12.53	36.28	39.93	53.28	74	-20.72	Horizontal
11510.000	37.46	14.03	36.70	34.33	49.12	74	-24.88	Horizontal
13242.370	38.34	15.61	38.50	35.83	51.28	74	-22.72	Horizontal
14512.850	40.01	16.40	39.72	36.32	53.01	74	-20.99	Horizontal
17265.000	43.10	19.60	37.02	28.25	53.93	74	-20.07	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
7106.583	35.51	10.64	37.68	42.12	50.59	74	-23.41	Vertical
8990.716	37.00	11.79	37.19	39.39	50.99	74	-23.01	Vertical
11590.000	37.50	14.12	36.77	32.59	47.44	74	-26.56	Vertical
13192.440	38.29	15.60	38.42	36.16	51.63	74	-22.37	Vertical
15185.920	40.69	16.72	39.49	35.72	53.64	74	-20.36	Vertical
17385.000	43.28	20.02	37.01	27.21	53.50	74	-20.50	Vertical
7678.832	36.04	10.89	37.44	41.57	51.06	74	-22.94	Horizontal
9659.786	37.10	12.53	36.28	39.99	53.34	74	-20.66	Horizontal
11590.000	37.50	14.12	36.77	33.78	48.63	74	-25.37	Horizontal
13217.380	38.32	15.61	38.46	35.80	51.27	74	-22.73	Horizontal
15157.260	40.66	16.70	39.53	35.08	52.91	74	-21.09	Horizontal
17385.000	43.28	20.02	37.01	27.56	53.85	74	-20.15	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 above measurement data were shown in the report.

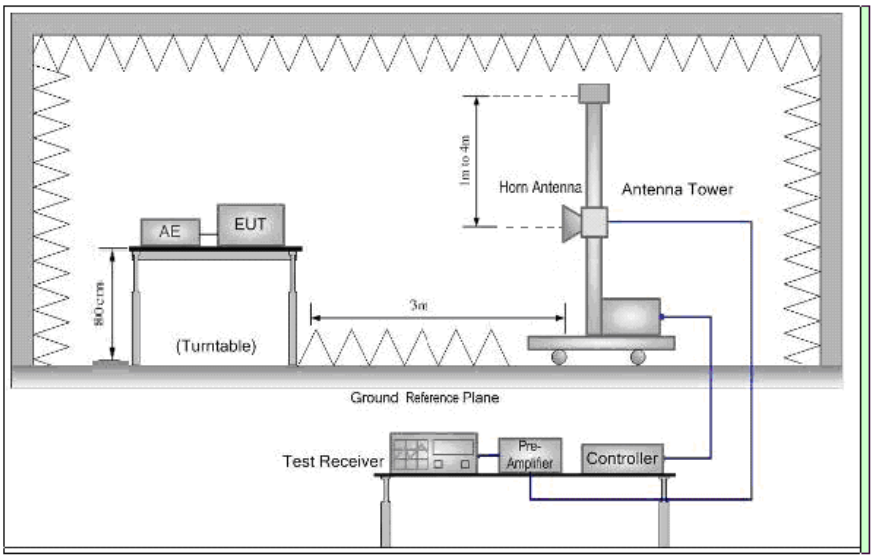
6.9 Restricted bands around fundamental frequency

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:

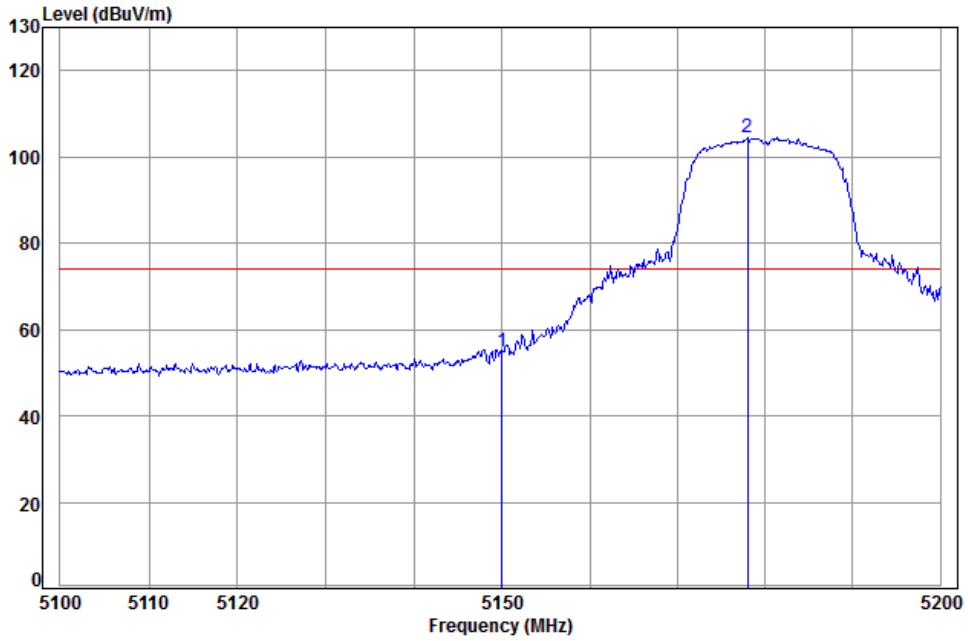


Test Procedure:	a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was 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 Y 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; 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.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

Test plot as follows:

802.11a:

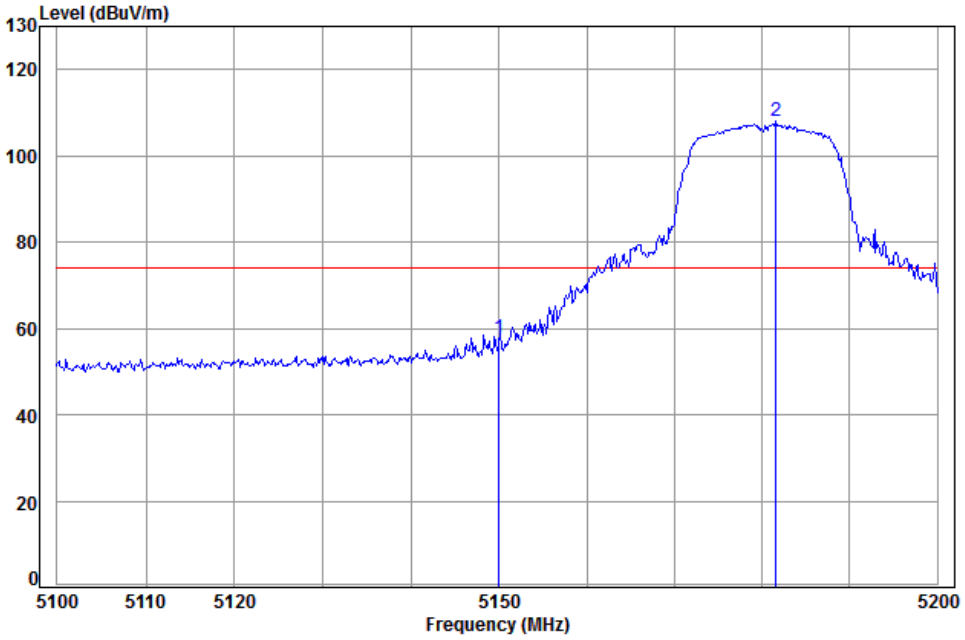
Worse case mode:		Test channel:	5180	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5180 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	51.73	55.06	74.00	-18.94
2 pp	5177.93	8.09	34.03	38.82	101.07	104.37	74.00	30.37

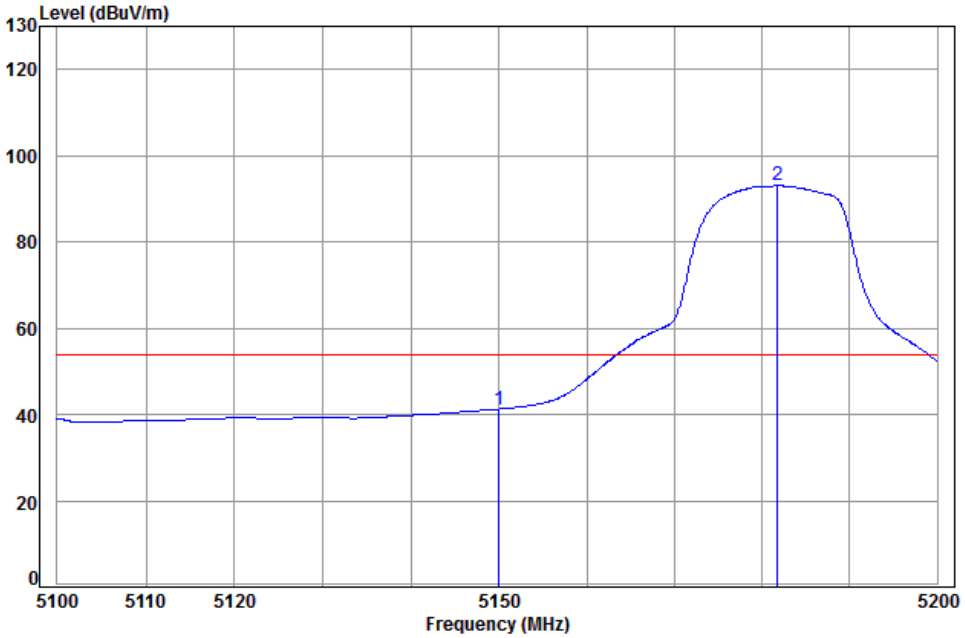
Worse case mode:		Test channel:	5180	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5180 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	54.29	57.62	74.00	-16.38
2 pp	5181.56	8.09	34.03	38.82	104.60	107.90	74.00	33.90

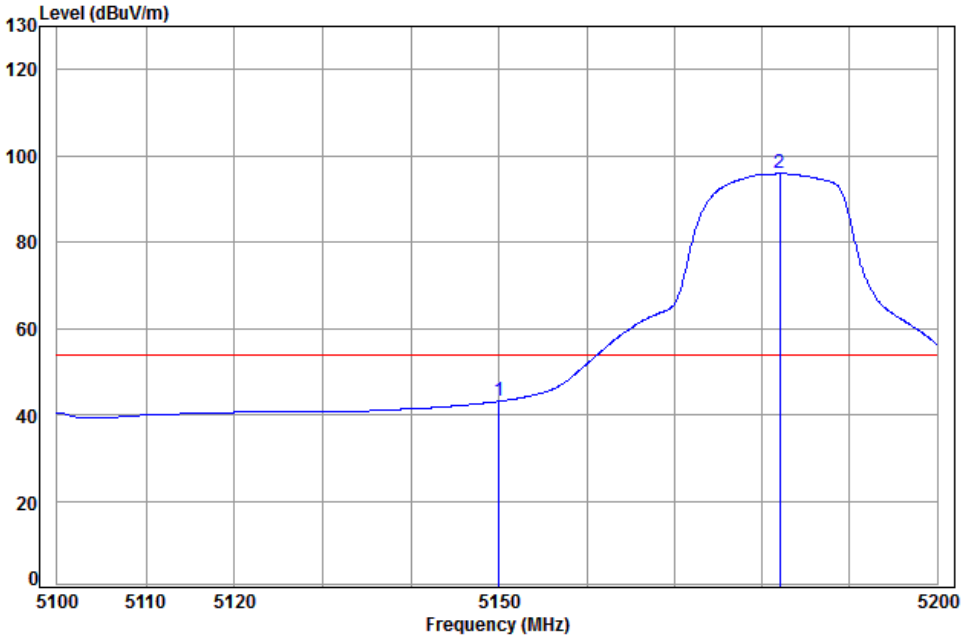
Worse case mode:		Test channel:	5180	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5180 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	37.93	41.26	54.00	-12.74
2 pp	5181.76	8.09	34.03	38.82	89.76	93.06	54.00	39.06

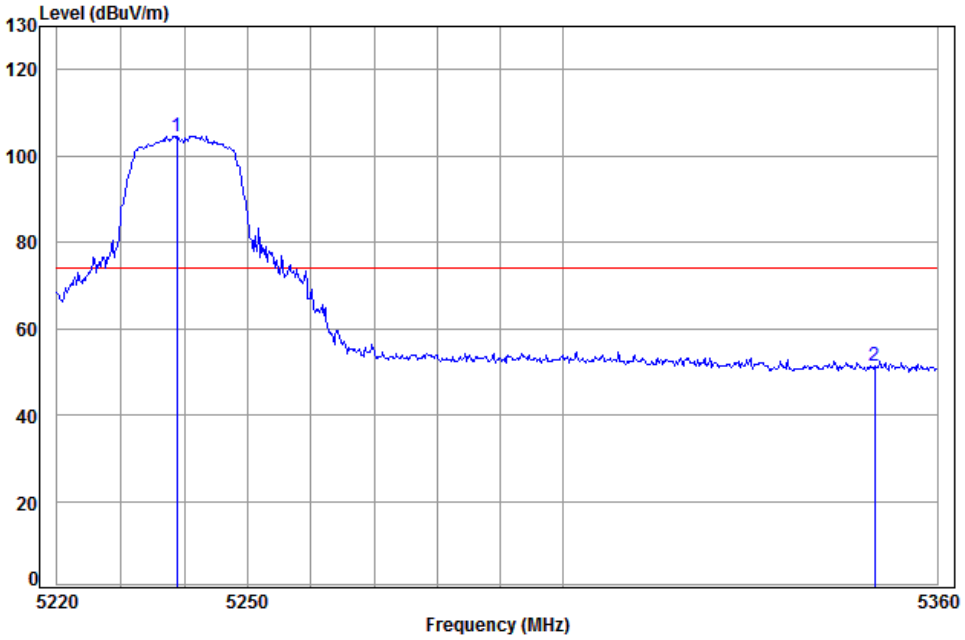
Worse case mode:		Test channel:	5180	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5180 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	39.77	43.10	54.00	-10.90
2 pp	5181.96	8.09	34.03	38.82	92.58	95.88	54.00	41.88

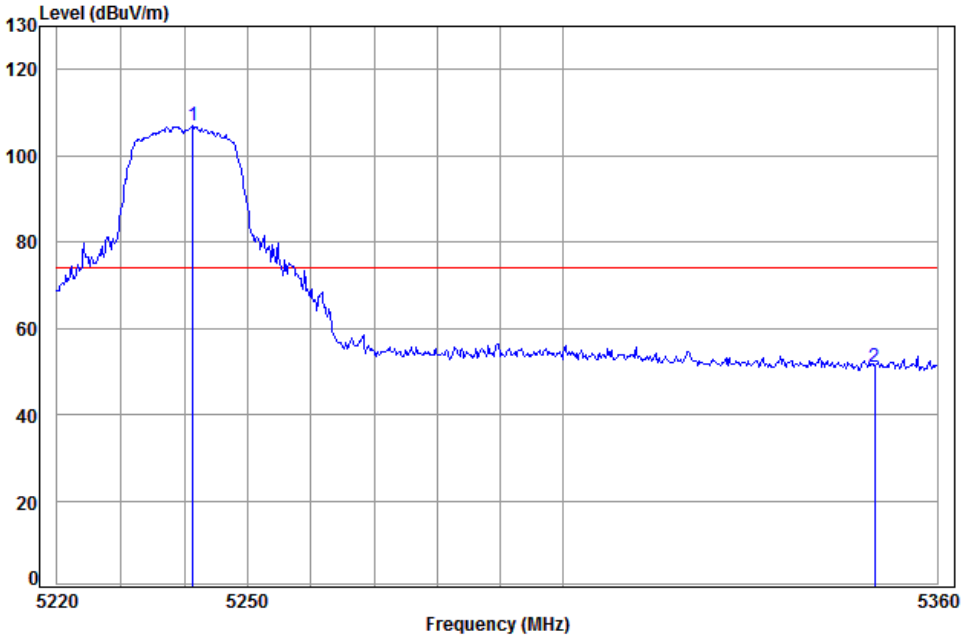
Worse case mode:		Test channel:	5240	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5240 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5238.82	8.12	34.08	38.83	101.28	104.65	74.00	30.65
2	5350.00	8.18	34.30	38.85	47.66	51.29	74.00	-22.71

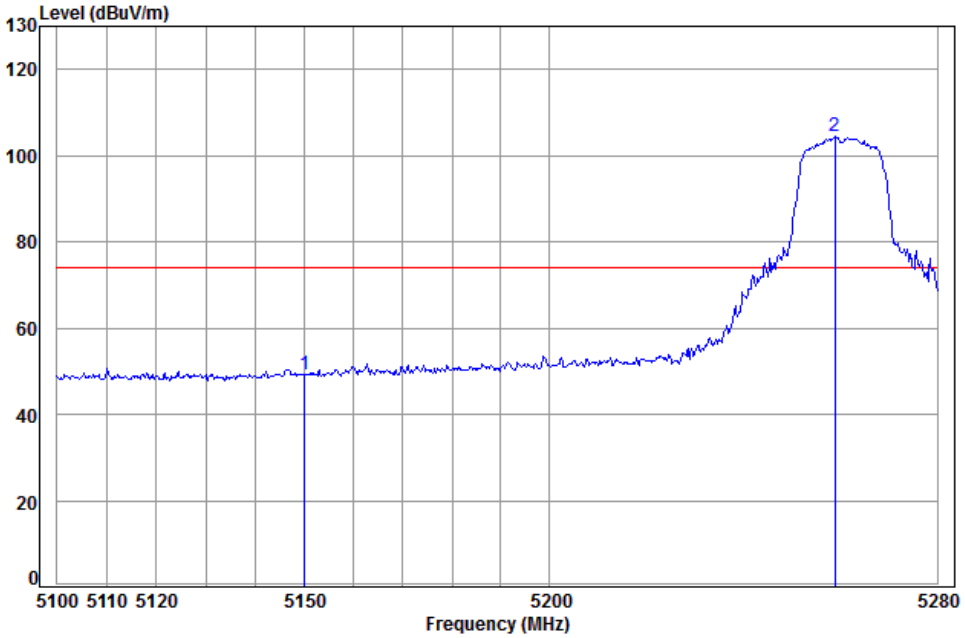
Worse case mode:		Test channel:	5240	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5240 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5241.32	8.12	34.08	38.83	103.54	106.91	74.00	32.91
2	5350.00	8.18	34.30	38.85	47.54	51.17	74.00	-22.83

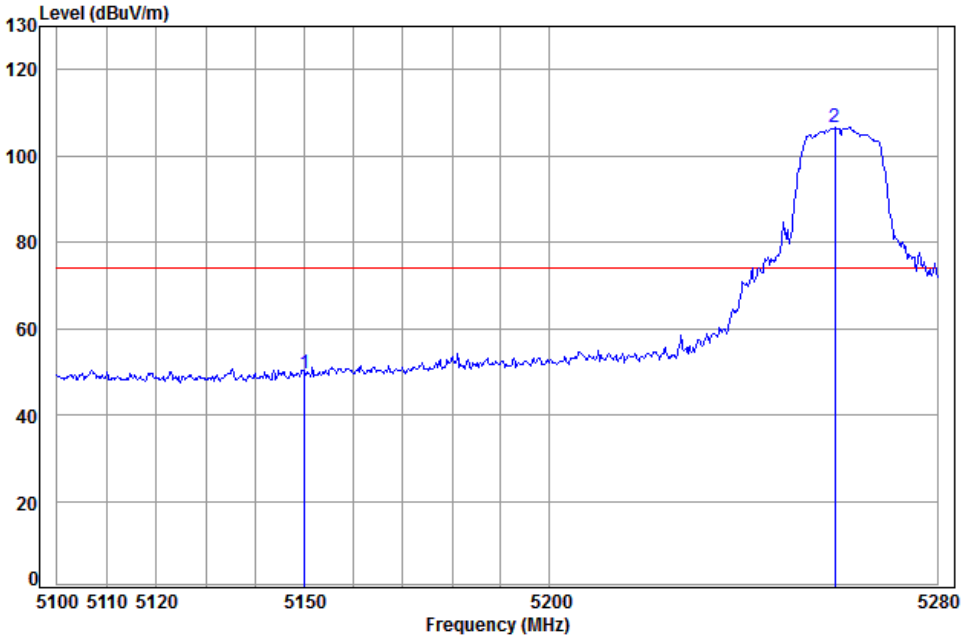
Worse case mode:		Test channel:	5260	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5260 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	45.78	49.11	74.00	-24.89
2 pp	5258.80	8.13	34.12	38.84	101.00	104.41	74.00	30.41

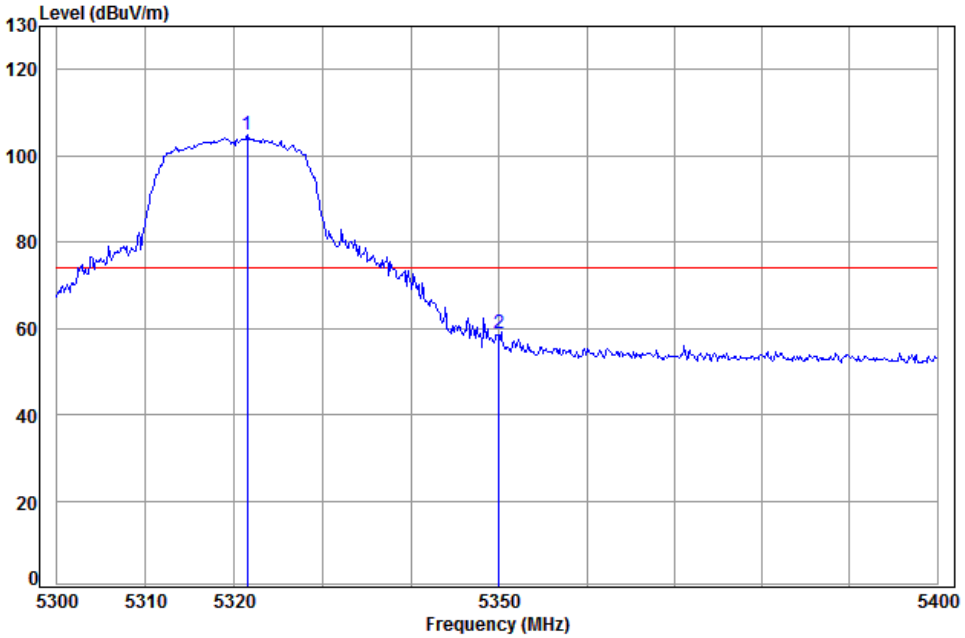
Worse case mode:		Test channel:	5260	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5260 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	46.34	49.67	74.00	-24.33
2 pp	5258.80	8.13	34.12	38.84	103.23	106.64	74.00	32.64

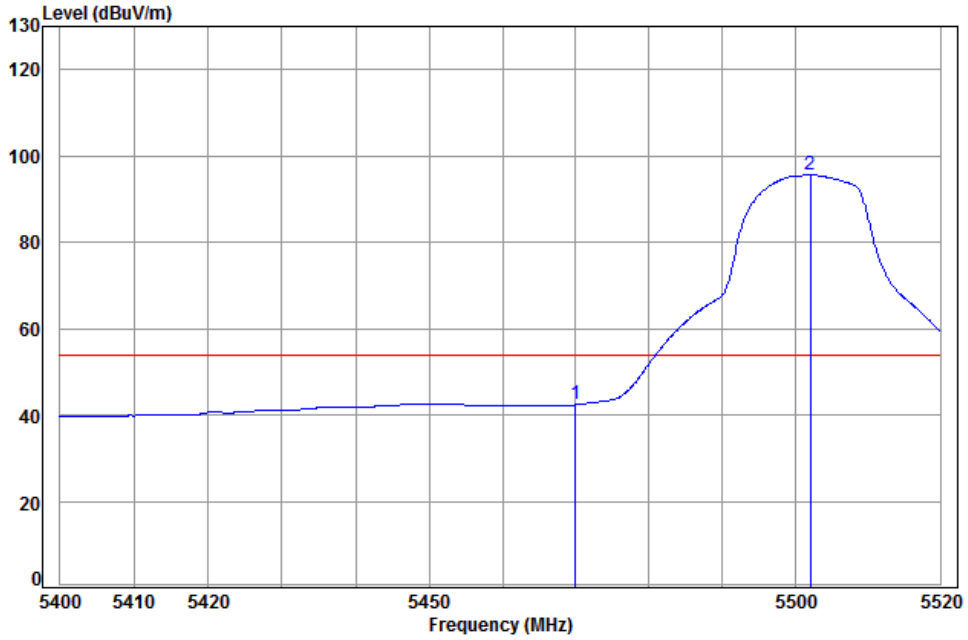
Worse case mode:		Test channel:	5320	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5320 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5321.44	8.16	34.24	38.85	101.30	104.85	74.00	30.85
2	5350.00	8.18	34.30	38.85	55.11	58.74	74.00	-15.26

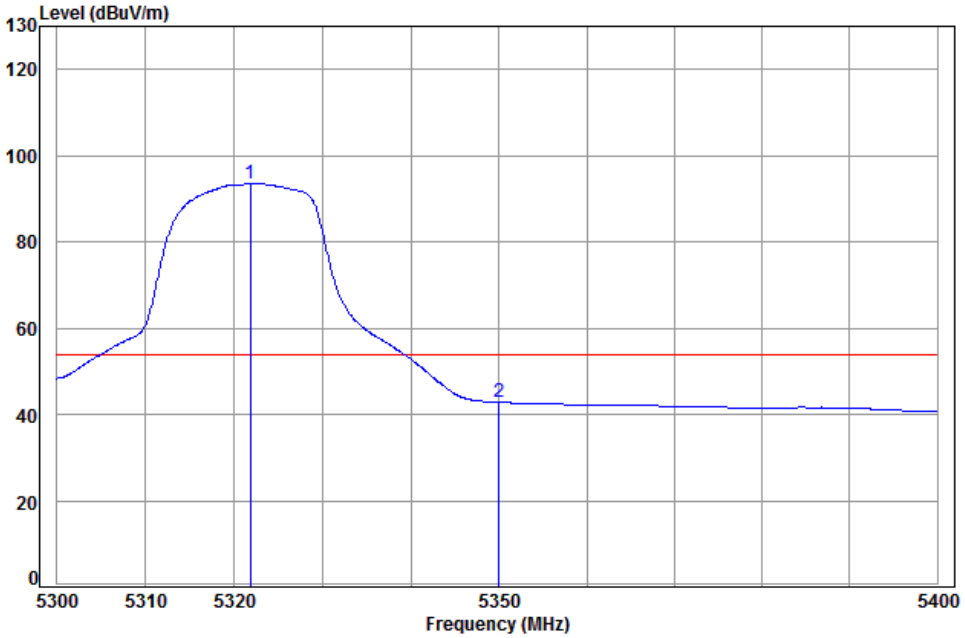
Worse case mode:		Test channel:	5320	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5500 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	38.61	42.34	54.00	-11.66
2 pp	5502.19	8.25	34.35	38.88	91.88	95.60	54.00	41.60

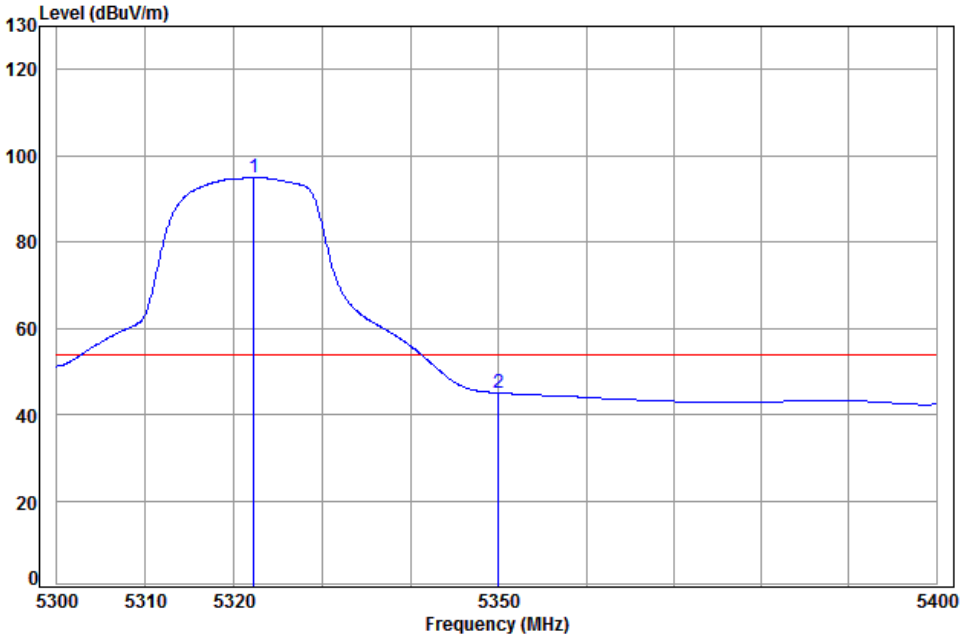
Worse case mode:		Test channel:	5320	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5320 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5321.84	8.16	34.25	38.85	89.94	93.50	54.00	39.50
2	5350.00	8.18	34.30	38.85	39.16	42.79	54.00	-11.21

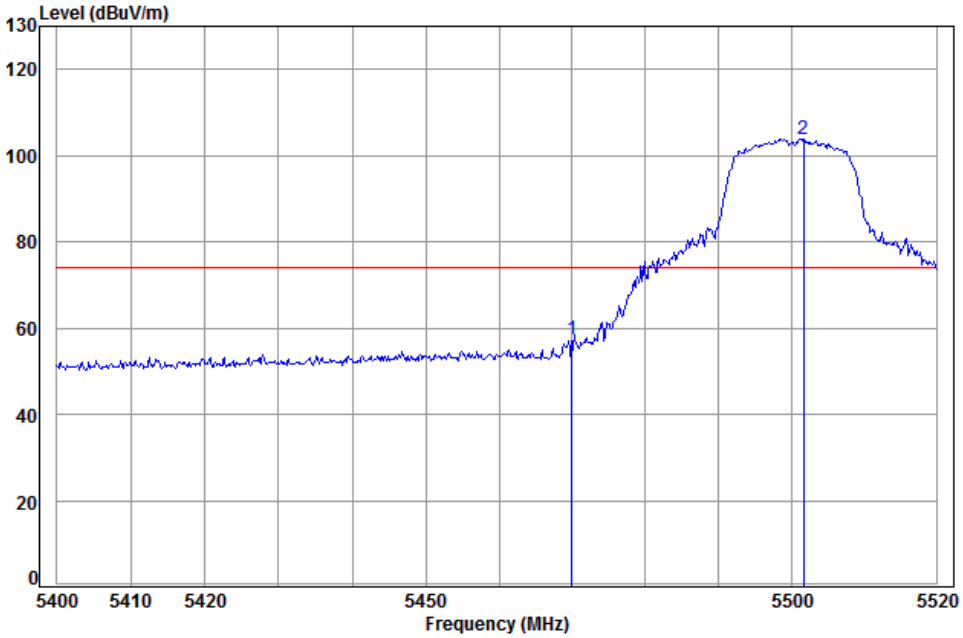
Worse case mode:		Test channel:	5320	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5320 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5322.24	8.16	34.25	38.85	91.42	94.98	54.00	40.98
2	5350.00	8.18	34.30	38.85	41.35	44.98	54.00	-9.02

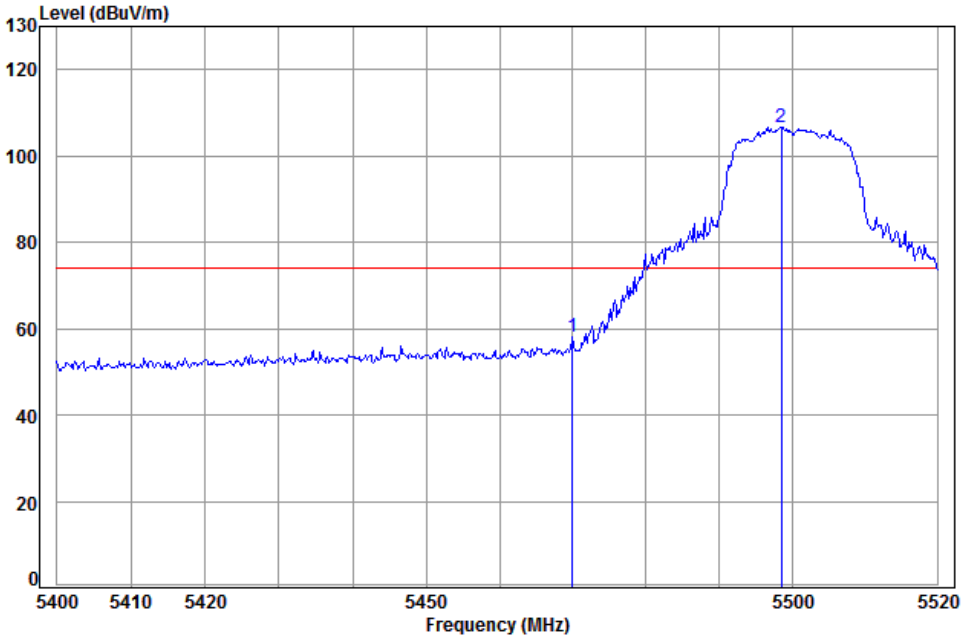
Worse case mode:		Test channel:	5500	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5500 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	53.76	57.49	74.00	-16.51
2 pp	5501.71	8.25	34.35	38.88	100.14	103.86	74.00	29.86

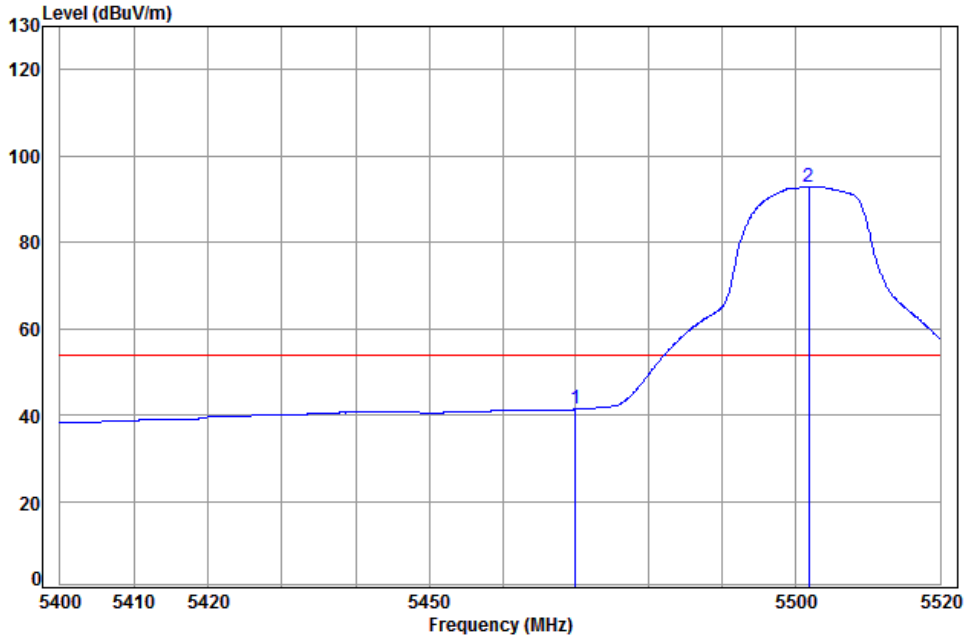
Worse case mode:		Test channel:	5500	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5500 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	54.33	58.06	74.00	-15.94
2 pp	5498.57	8.25	34.35	38.88	103.05	106.77	74.00	32.77

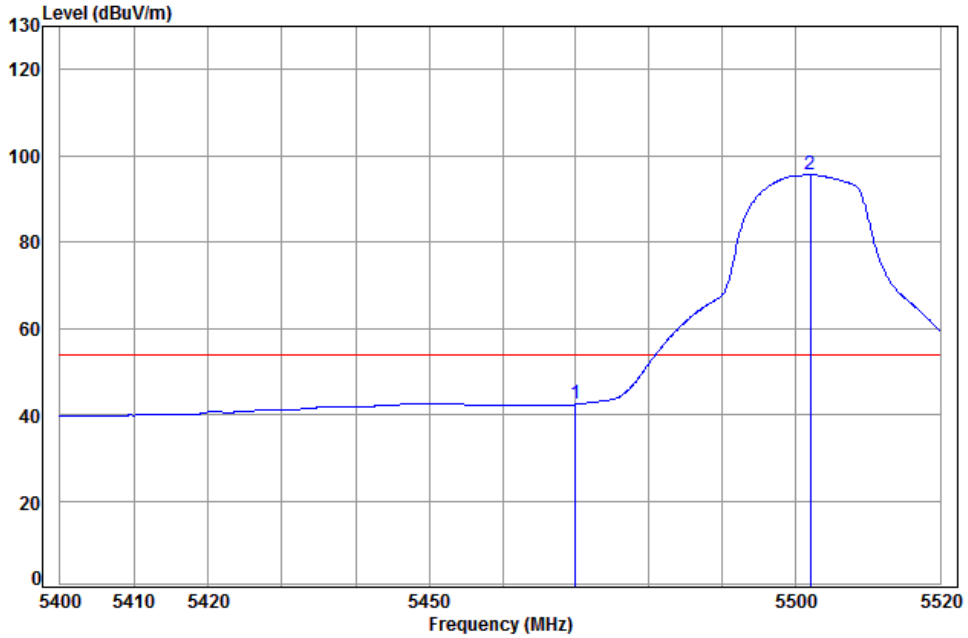
Worse case mode:		Test channel:	5500	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5500 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	37.58	41.31	54.00	-12.69
2 pp	5501.95	8.25	34.35	38.88	89.26	92.98	54.00	38.98

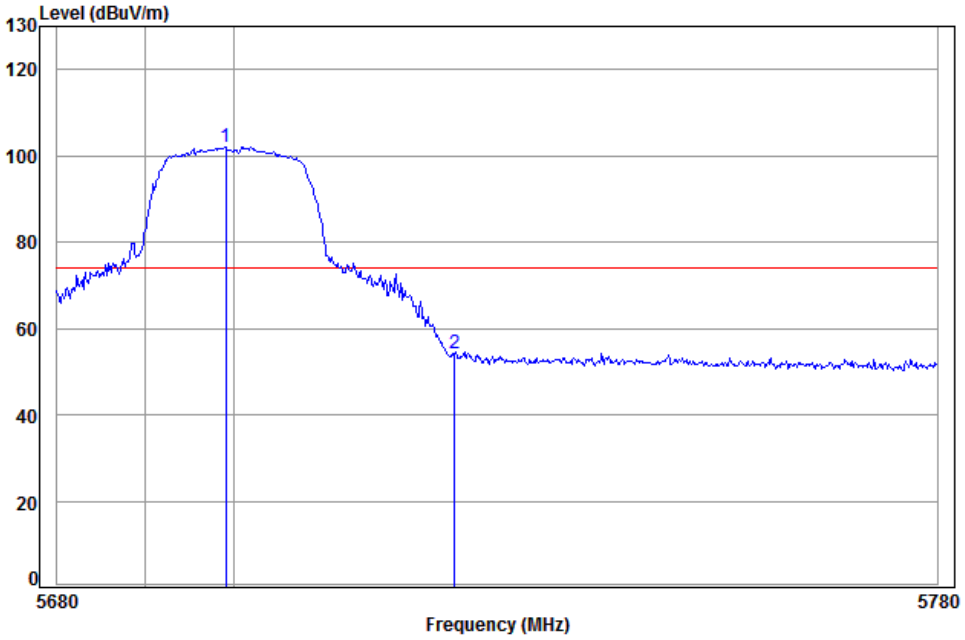
Worse case mode:		Test channel:	5500	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5500 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	38.61	42.34	54.00	-11.66
2 pp	5502.19	8.25	34.35	38.88	91.88	95.60	54.00	41.60

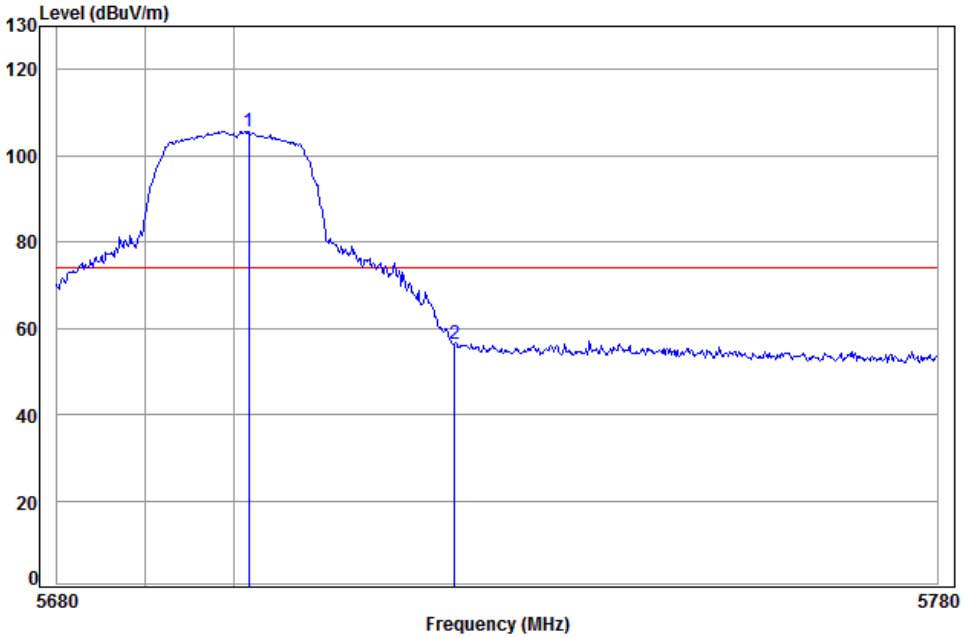
Worse case mode:		Test channel:	5700	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5700 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5699.07	8.45	34.25	38.91	98.30	102.09	74.00	28.09
2	5725.00	8.48	34.24	38.92	50.26	54.06	74.00	-19.94

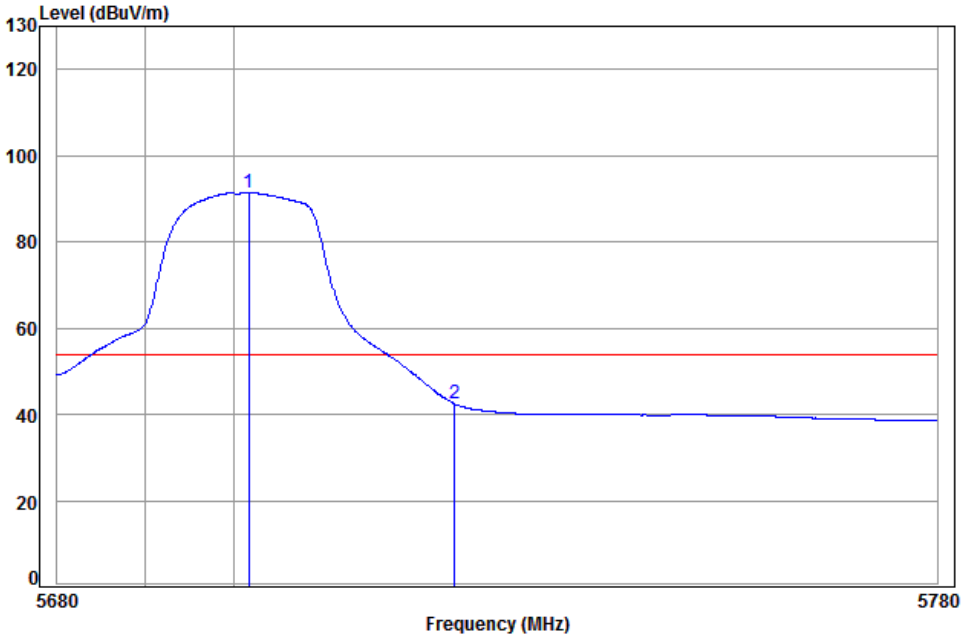
Worse case mode:		Test channel:	5700	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5700 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5701.65	8.46	34.25	38.91	101.93	105.73	74.00	31.73
2	5725.00	8.48	34.24	38.92	52.60	56.40	74.00	-17.60

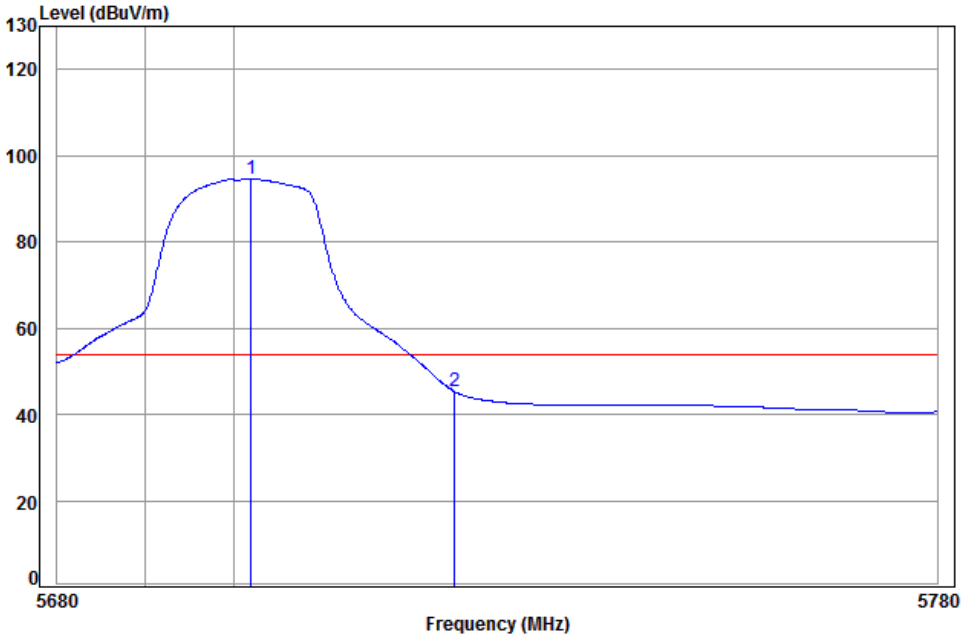
Worse case mode:		Test channel:	5700	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5700 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5701.65	8.46	34.25	38.91	87.60	91.40	54.00	37.40
2	5725.00	8.48	34.24	38.92	38.62	42.42	54.00	-11.58

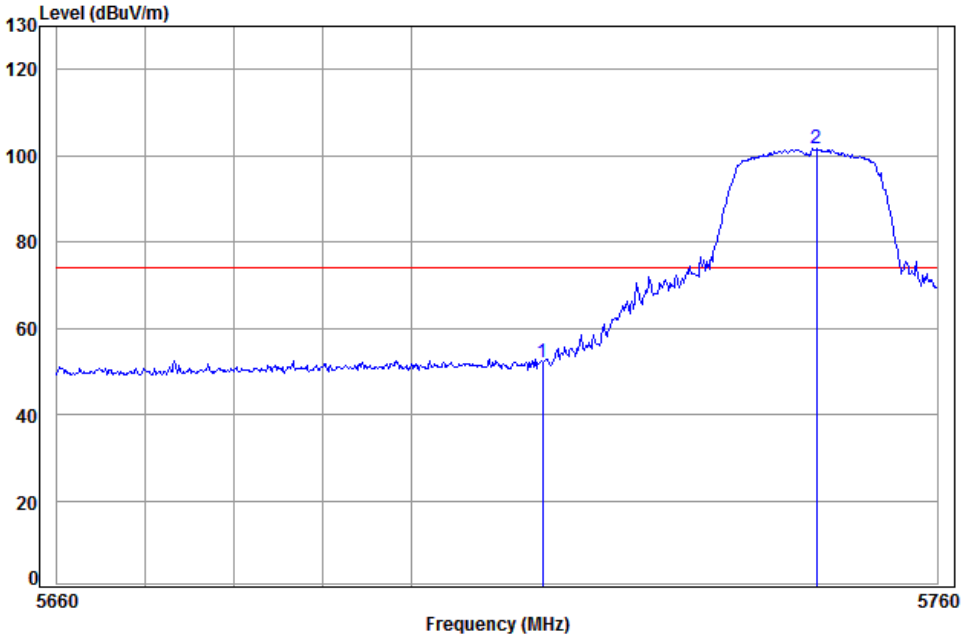
Worse case mode:		Test channel:	5700	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5700 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5701.85	8.46	34.25	38.91	90.81	94.61	54.00	40.61
2	5725.00	8.48	34.24	38.92	41.47	45.27	54.00	-8.73

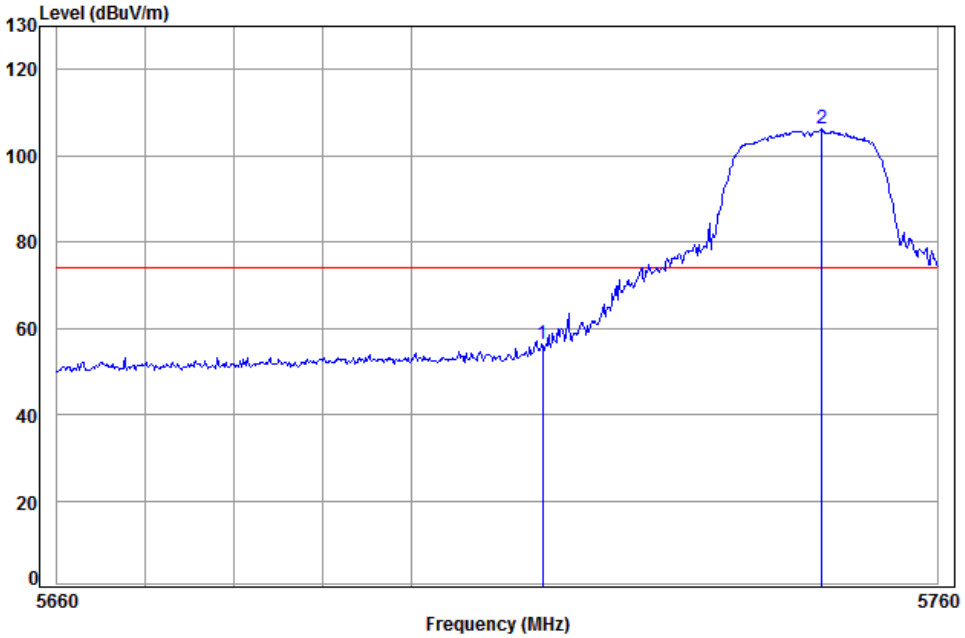
Worse case mode:		Test channel:	5745	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5745 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	48.28	52.08	74.00	-21.92
2 pp	5746.20	8.50	34.23	38.92	97.78	101.59	74.00	27.59

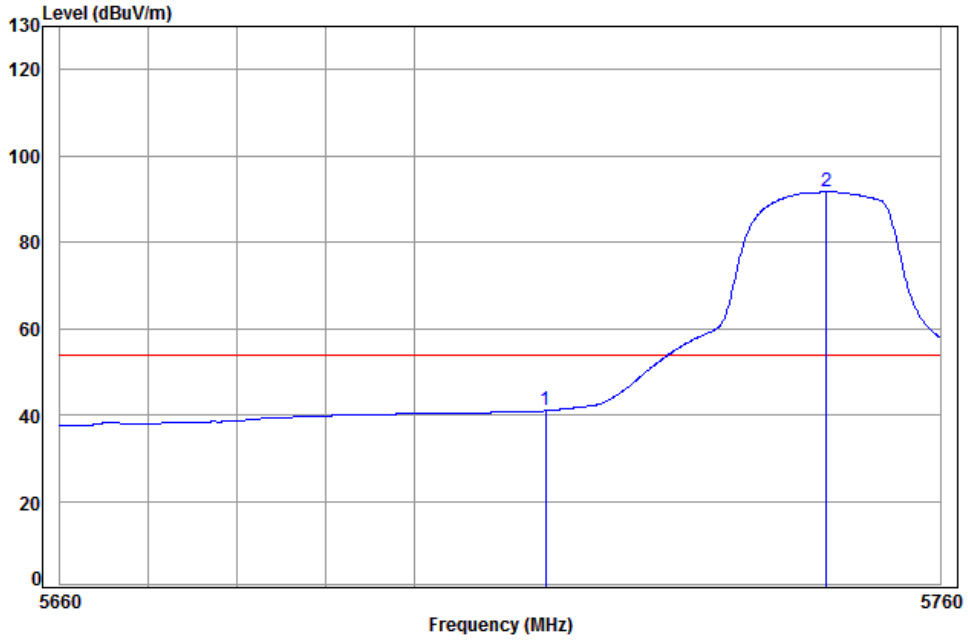
Worse case mode:		Test channel:	5745	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5745 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	52.62	56.42	74.00	-17.58
2 pp	5746.80	8.50	34.23	38.92	102.39	106.20	74.00	32.20

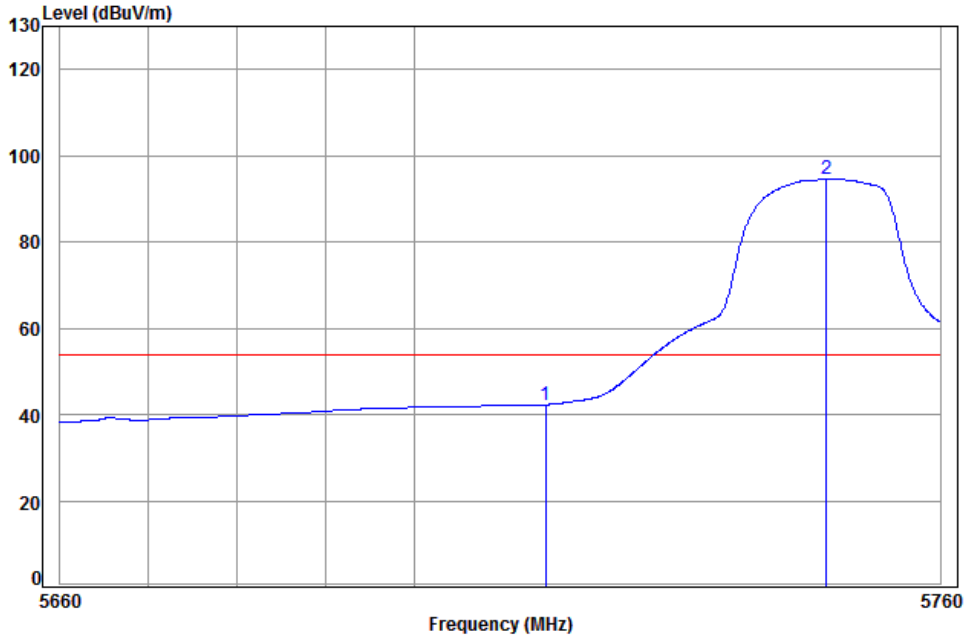
Worse case mode:		Test channel:	5745	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5745 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	37.17	40.97	54.00	-13.03
2 pp	5747.00	8.50	34.23	38.92	87.89	91.70	54.00	37.70

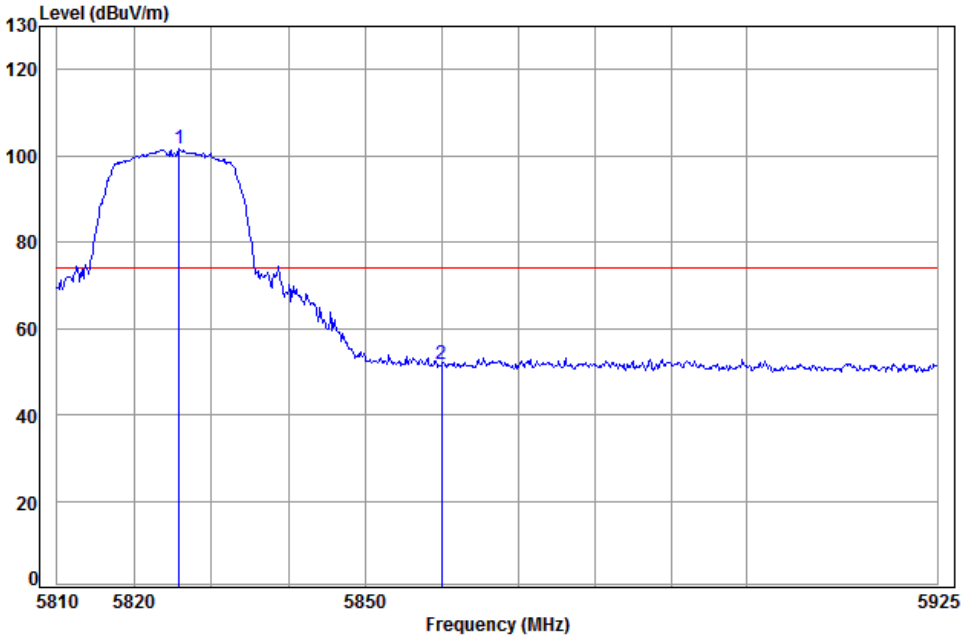
Worse case mode:		Test channel:	5745	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5745 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	38.48	42.28	54.00	-11.72
2 pp	5747.00	8.50	34.23	38.92	90.85	94.66	54.00	40.66

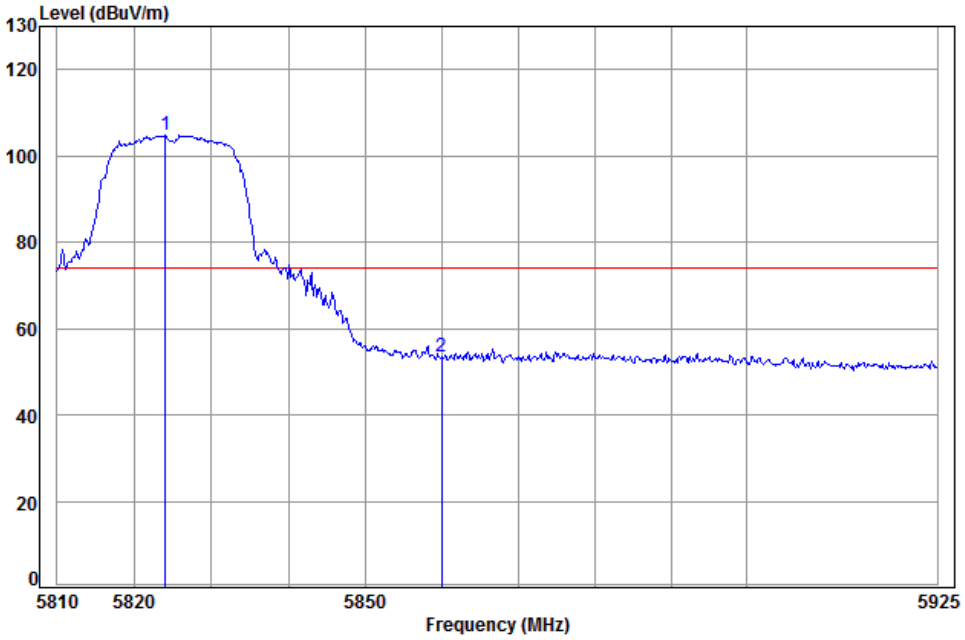
Worse case mode:		Test channel:	5825	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5825 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5825.85	8.58	34.27	38.93	97.77	101.69	74.00	27.69
2	5860.00	8.61	34.35	38.94	47.77	51.79	74.00	-22.21

Worse case mode:		Test channel:	5825	Remark:	Peak	Horizontal

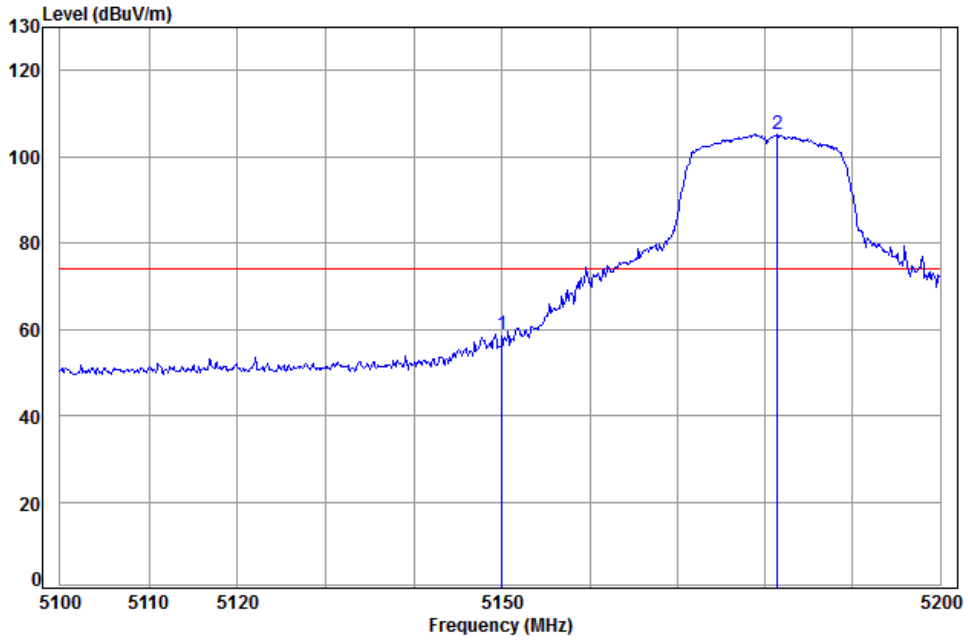


Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5825 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5824.02	8.58	34.26	38.93	101.02	104.93	74.00	30.93
2	5860.00	8.61	34.35	38.94	49.45	53.47	74.00	-20.53

802.11n(HT20):

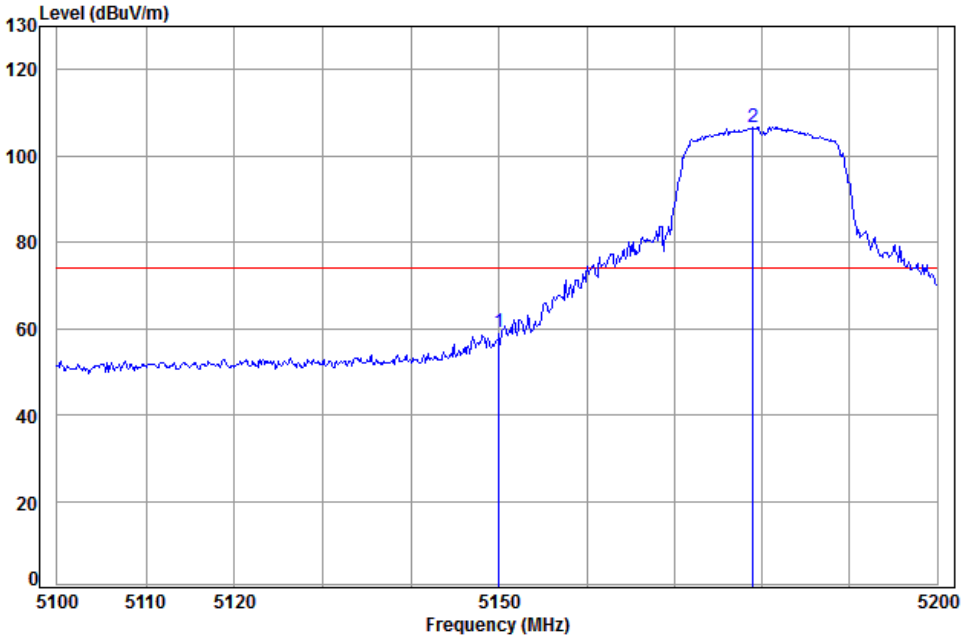
Worse case mode:		Test channel:	5180	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5180 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	55.60	58.93	74.00	-15.07
2 pp	5181.35	8.09	34.03	38.82	101.86	105.16	74.00	31.16

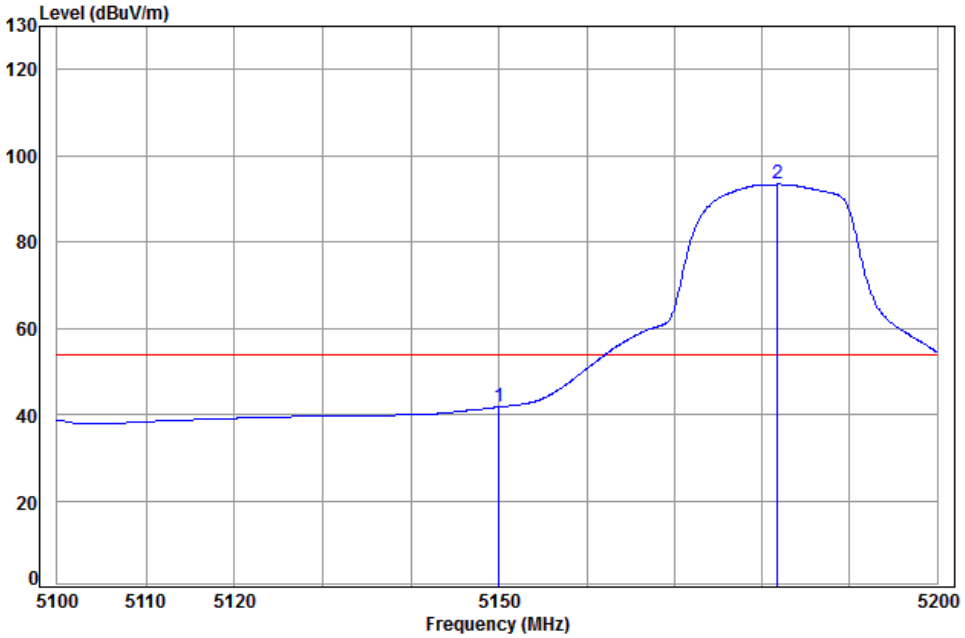
Worse case mode:		Test channel:	5180	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5180 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	55.70	59.03	74.00	-14.97
2 pp	5178.94	8.09	34.03	38.82	103.26	106.56	74.00	32.56

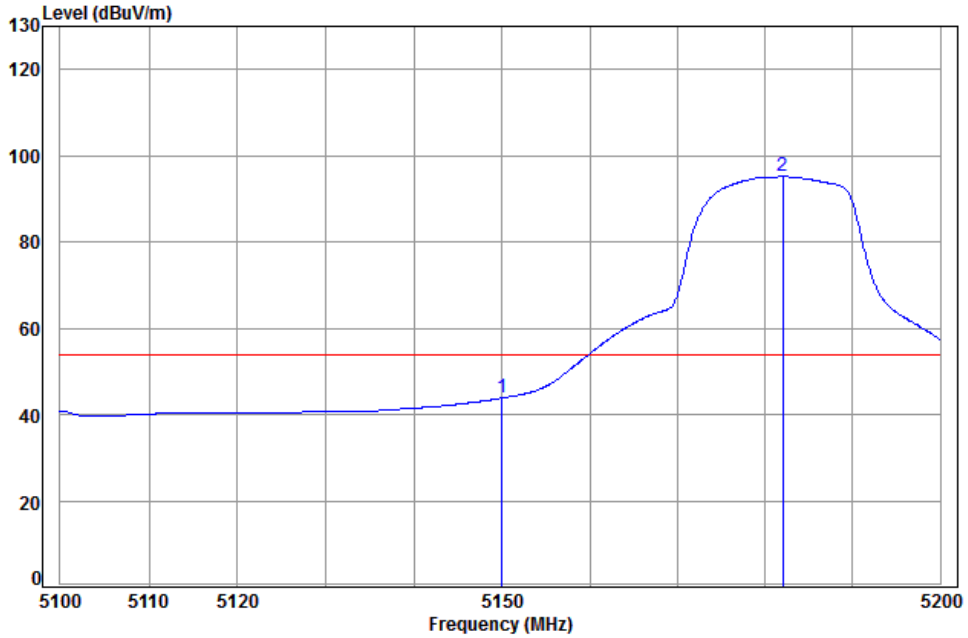
Worse case mode:		Test channel:	5180	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5180 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	38.37	41.70	54.00	-12.30
2 pp	5181.76	8.09	34.03	38.82	90.06	93.36	54.00	39.36

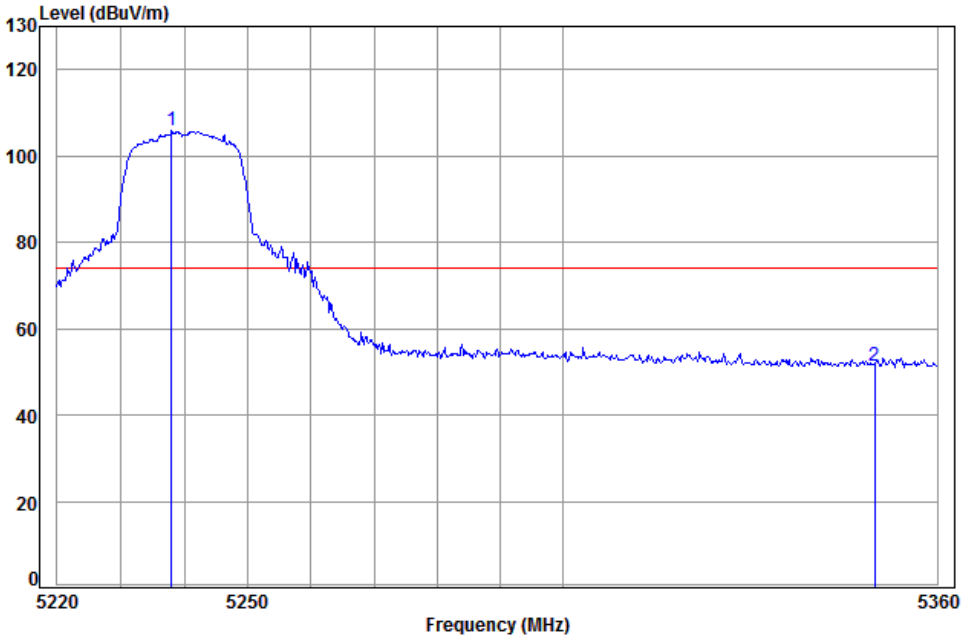
Worse case mode:		Test channel:	5180	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5180 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	40.50	43.83	54.00	-10.17
2 pp	5181.96	8.09	34.03	38.82	91.90	95.20	54.00	41.20

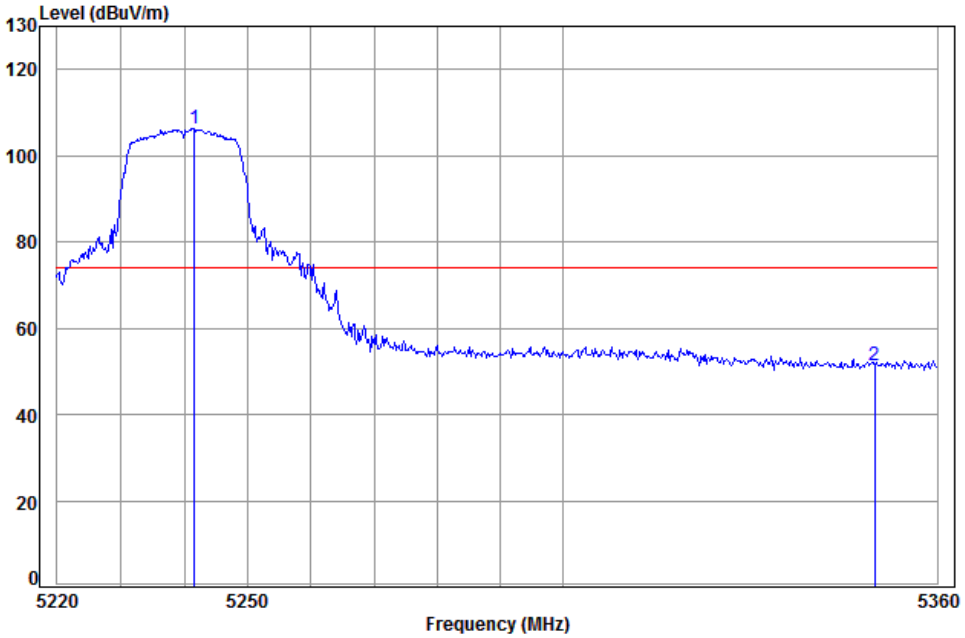
Worse case mode:		Test channel:	5240	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5240 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5237.99	8.12	34.08	38.83	102.41	105.78	74.00	31.78
2	5350.00	8.18	34.30	38.85	47.88	51.51	74.00	-22.49

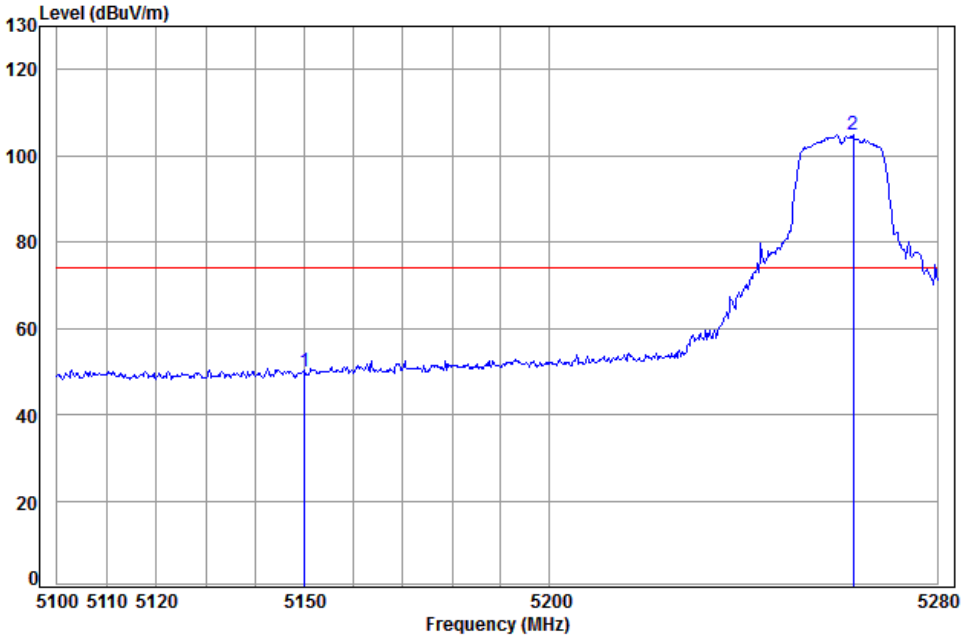
Worse case mode:		Test channel:	5240	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5240 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5241.60	8.12	34.08	38.83	102.97	106.34	74.00	32.34
2	5350.00	8.18	34.30	38.85	47.70	51.33	74.00	-22.67

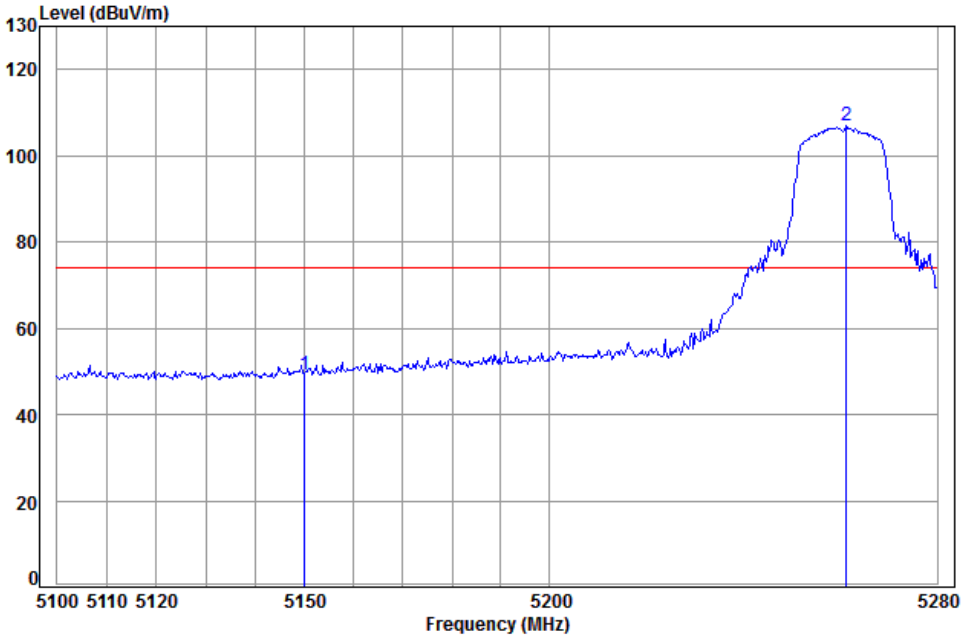
Worse case mode:		Test channel:	5260	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5260 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	46.50	49.83	74.00	-24.17
2 pp	5262.63	8.13	34.13	38.84	101.54	104.96	74.00	30.96

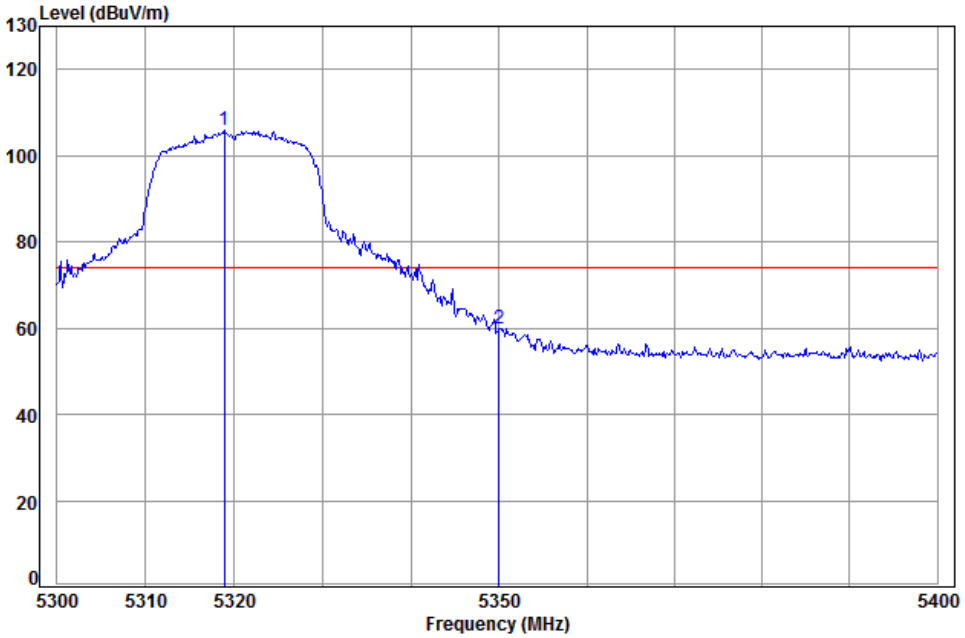
Worse case mode:		Test channel:	5260	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5260 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	46.06	49.39	74.00	-24.61
2 pp	5261.17	8.13	34.12	38.84	103.57	106.98	74.00	32.98

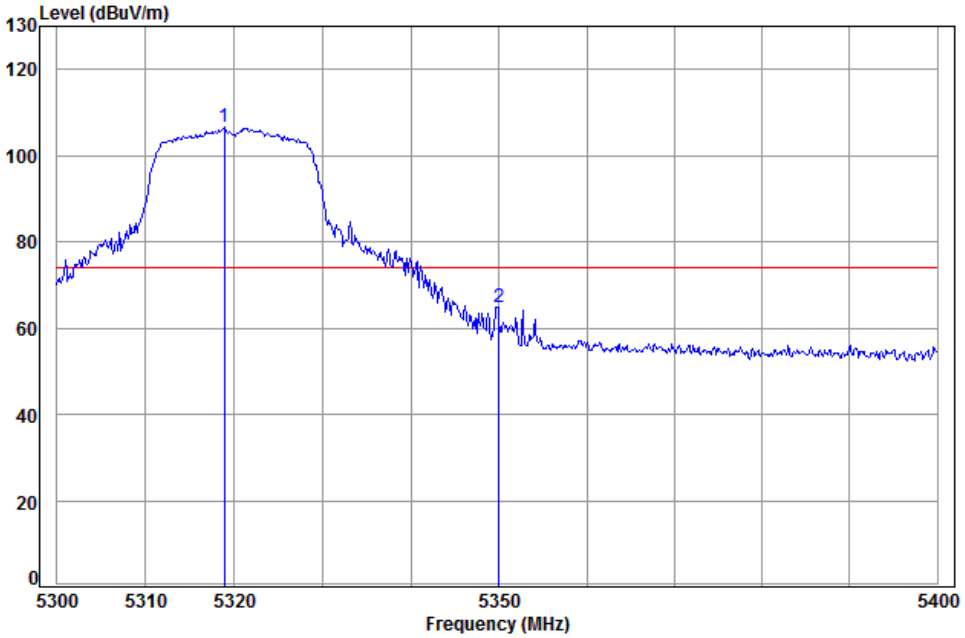
Worse case mode:		Test channel:	5320	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5320 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5318.86	8.16	34.24	38.85	102.25	105.80	74.00	31.80
2	5350.00	8.18	34.30	38.85	56.14	59.77	74.00	-14.23

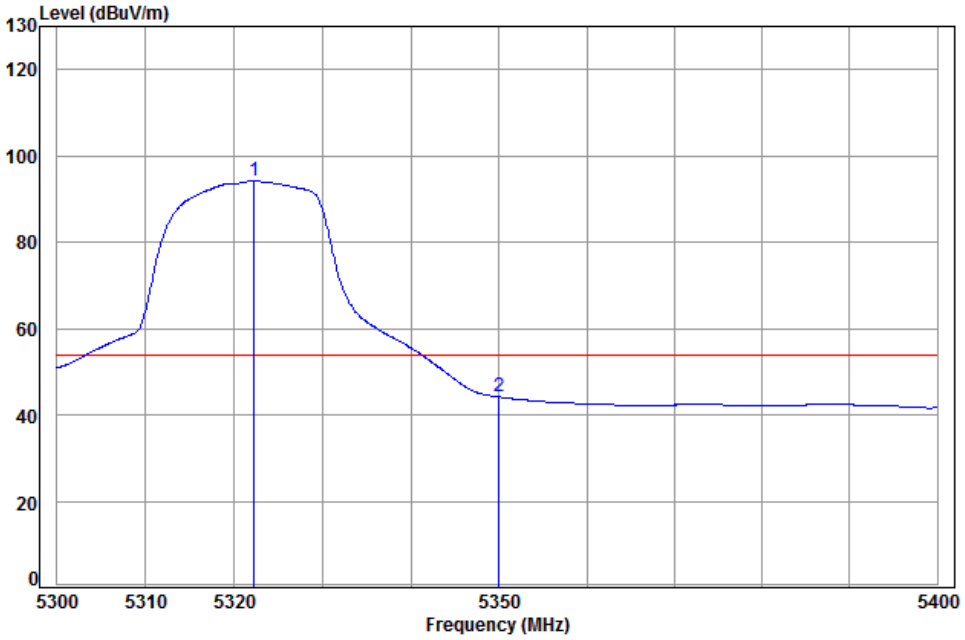
Worse case mode:		Test channel:	5320	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5320 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5318.86	8.16	34.24	38.85	102.95	106.50	74.00	32.50
2	5350.00	8.18	34.30	38.85	61.30	64.93	74.00	-9.07

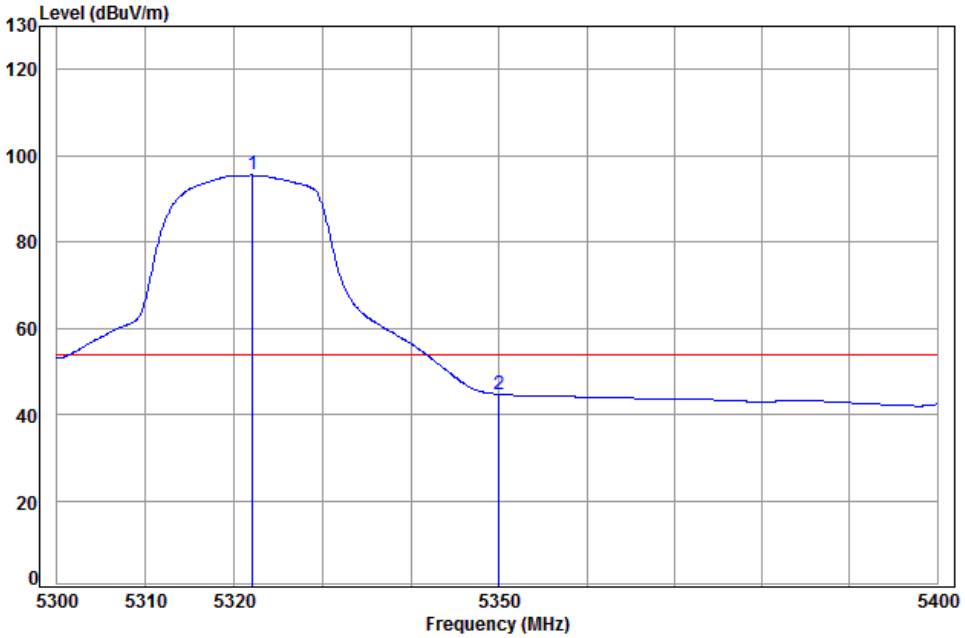
Worse case mode:		Test channel:	5320	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5320 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5322.24	8.16	34.25	38.85	90.58	94.14	54.00	40.14
2	5350.00	8.18	34.30	38.85	40.53	44.16	54.00	-9.84

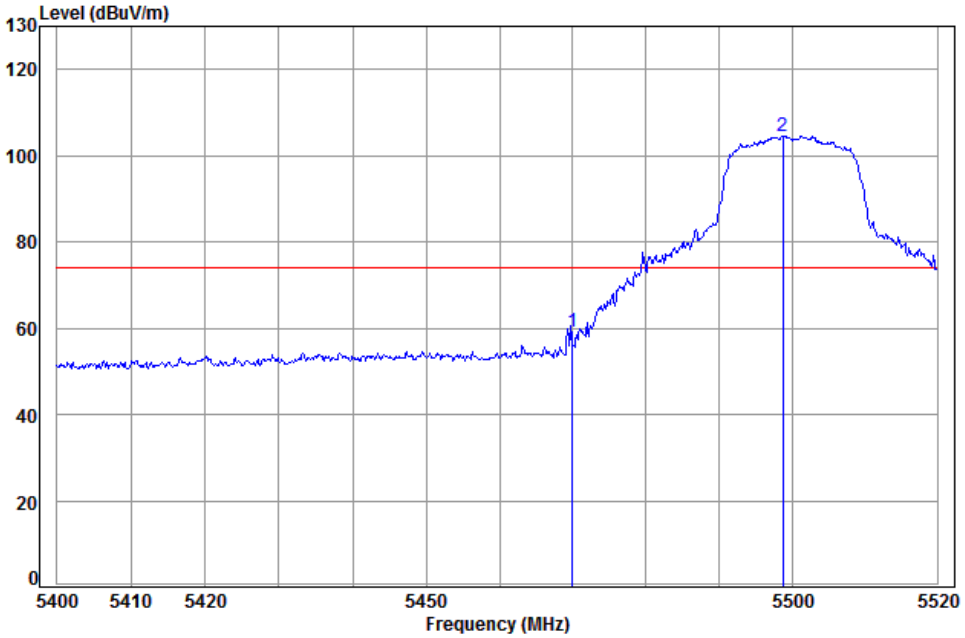
Worse case mode:		Test channel:	5320	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5320 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5322.04	8.16	34.25	38.85	91.91	95.47	54.00	41.47
2	5350.00	8.18	34.30	38.85	41.03	44.66	54.00	-9.34

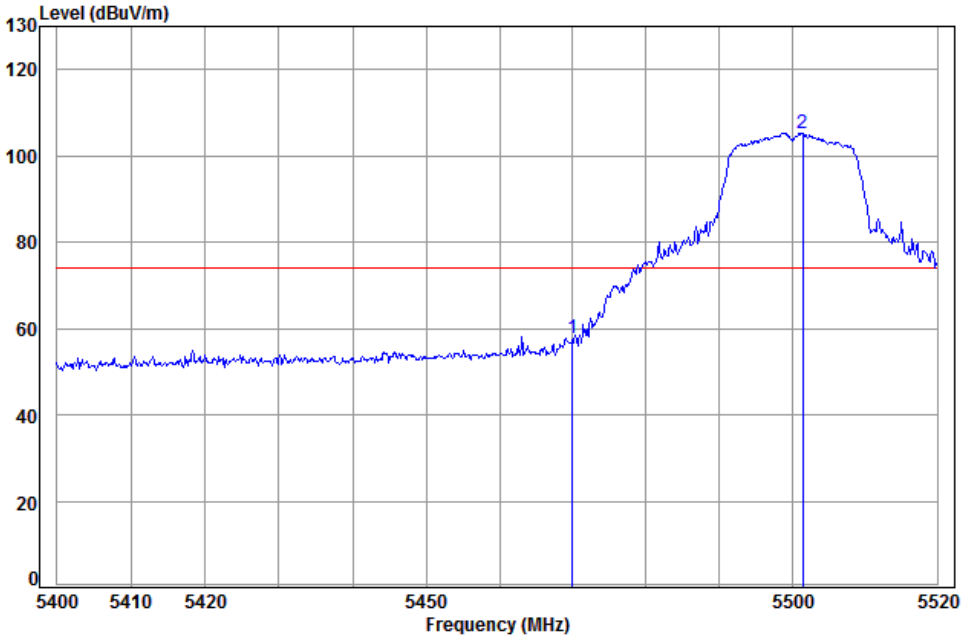
Worse case mode:		Test channel:	5500	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5500 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	55.45	59.18	74.00	-14.82
2 pp	5498.81	8.25	34.35	38.88	100.80	104.52	74.00	30.52

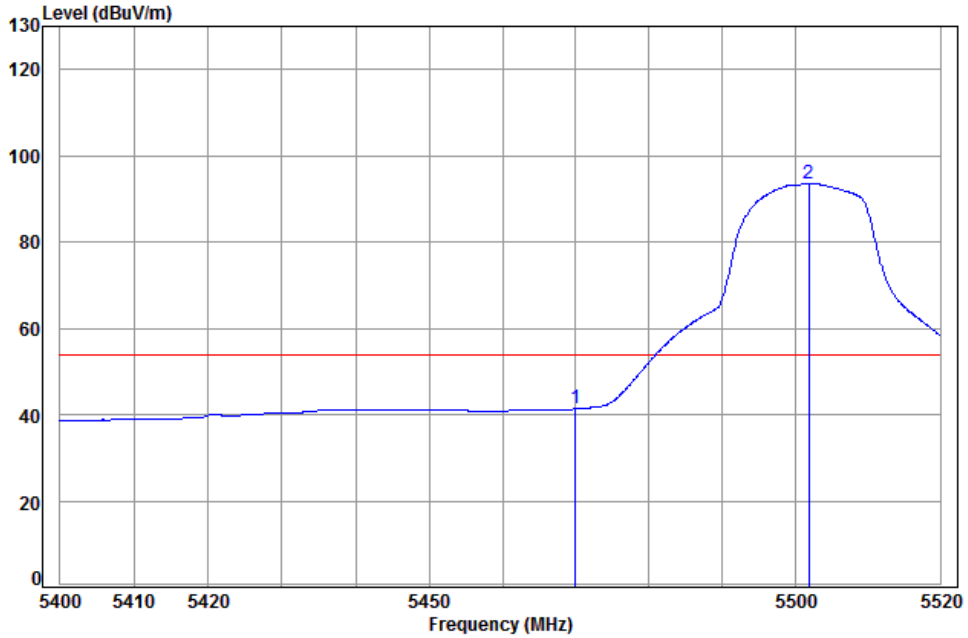
Worse case mode:		Test channel:	5500	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5500 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	53.94	57.67	74.00	-16.33
2 pp	5501.47	8.25	34.35	38.88	101.54	105.26	74.00	31.26

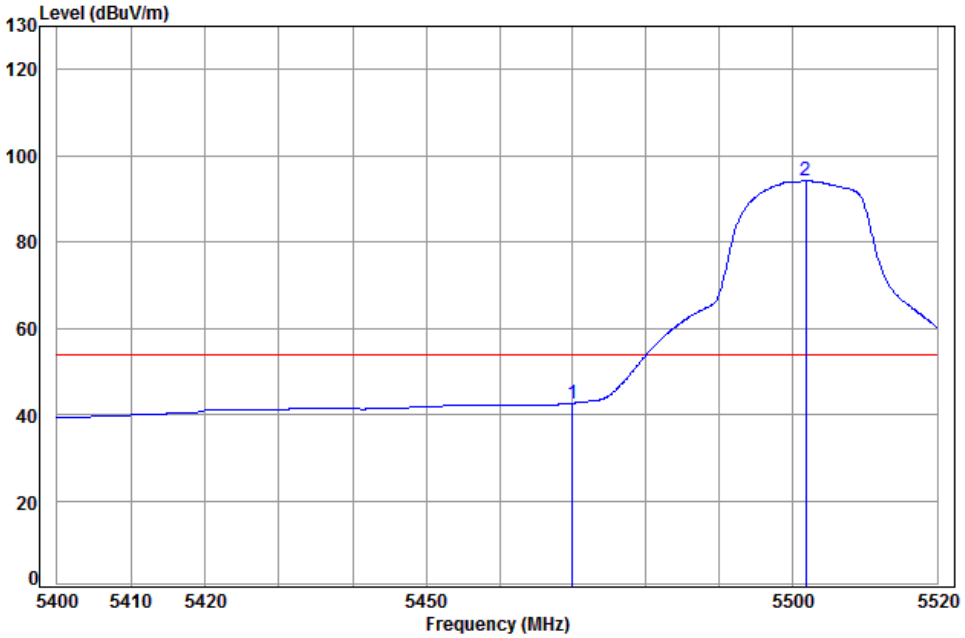
Worse case mode:		Test channel:	5500	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5500 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	37.57	41.30	54.00	-12.70
2 pp	5501.95	8.25	34.35	38.88	89.82	93.54	54.00	39.54

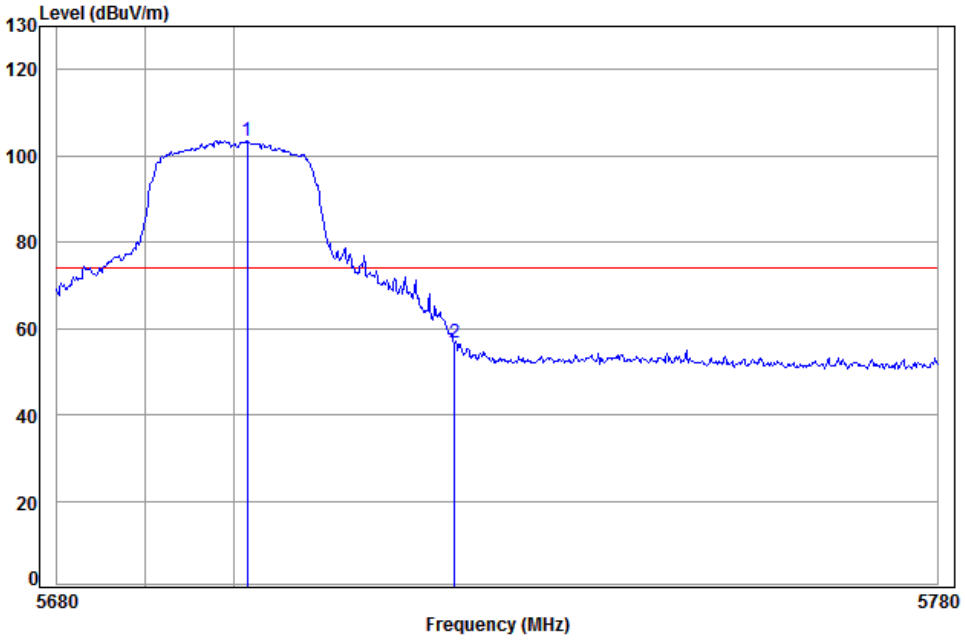
Worse case mode:		Test channel:	5500	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5500 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	38.87	42.60	54.00	-11.40
2 pp	5501.95	8.25	34.35	38.88	90.40	94.12	54.00	40.12

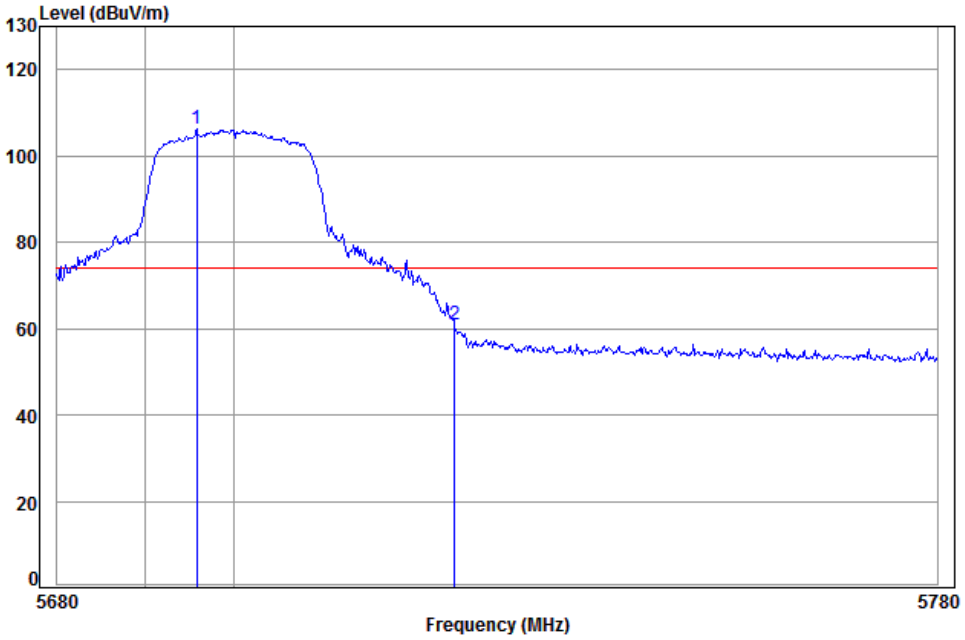
Worse case mode:		Test channel:	5700	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5700 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5701.45	8.46	34.25	38.91	99.72	103.52	74.00	29.52
2	5725.00	8.48	34.24	38.92	52.92	56.72	74.00	-17.28

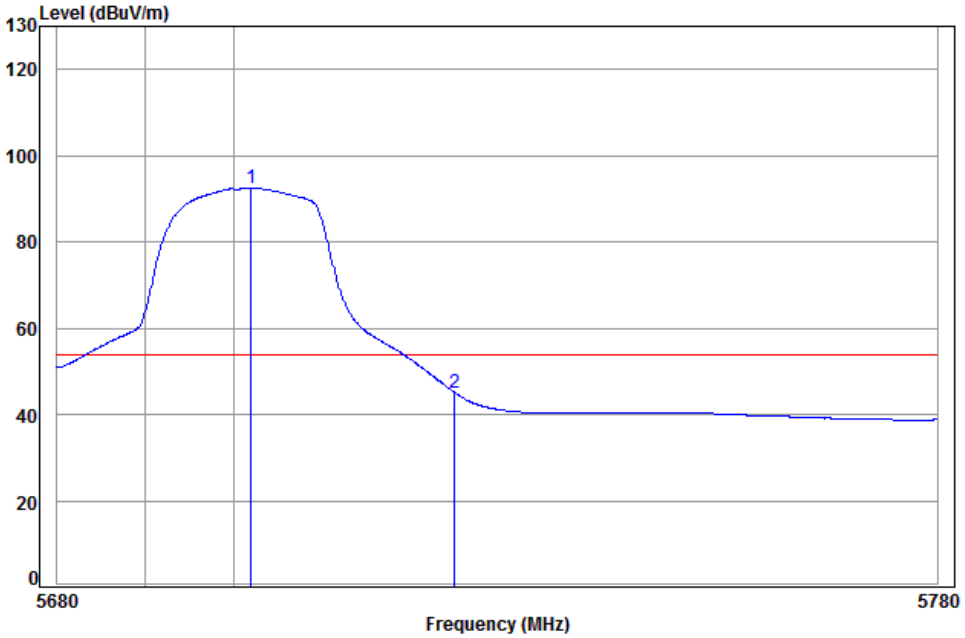
Worse case mode:		Test channel:	5700	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5700 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5695.78	8.45	34.25	38.91	102.36	106.15	74.00	32.15
2	5725.00	8.48	34.24	38.92	56.99	60.79	74.00	-13.21

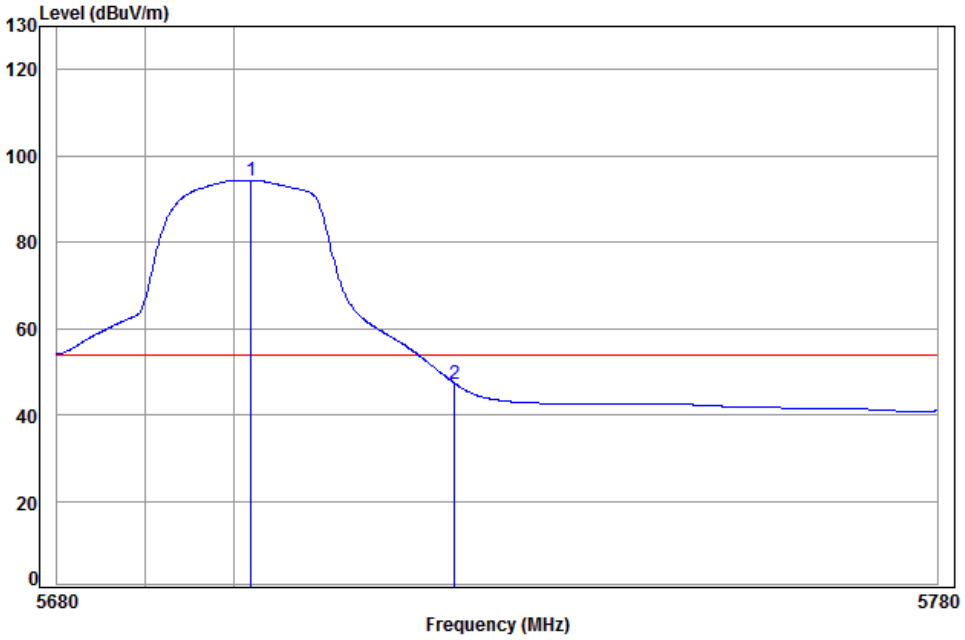
Worse case mode:		Test channel:	5700	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5700 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5701.85	8.46	34.25	38.91	88.71	92.51	54.00	38.51
2	5725.00	8.48	34.24	38.92	41.26	45.06	54.00	-8.94

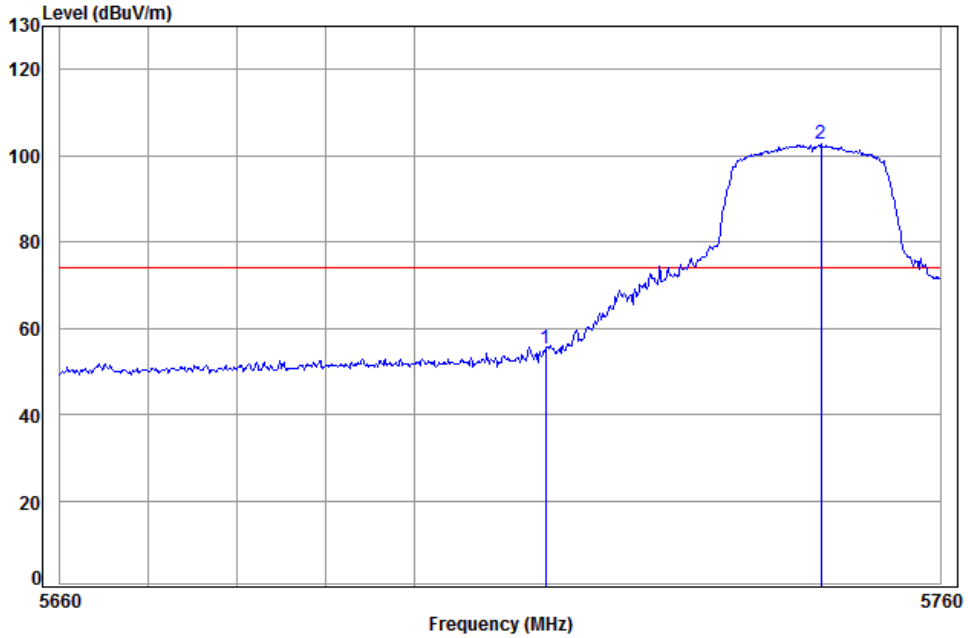
Worse case mode:		Test channel:	5700	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5700 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5701.85	8.46	34.25	38.91	90.51	94.31	54.00	40.31
2	5725.00	8.48	34.24	38.92	43.48	47.28	54.00	-6.72

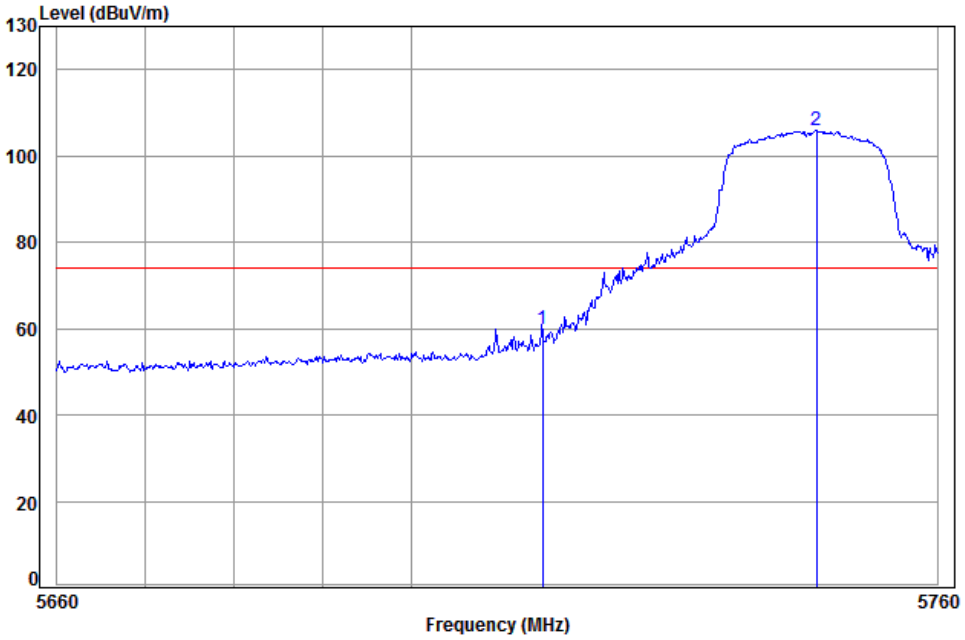
Worse case mode:		Test channel:	5745	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5745 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	51.56	55.36	74.00	-18.64
2 pp	5746.40	8.50	34.23	38.92	98.99	102.80	74.00	28.80

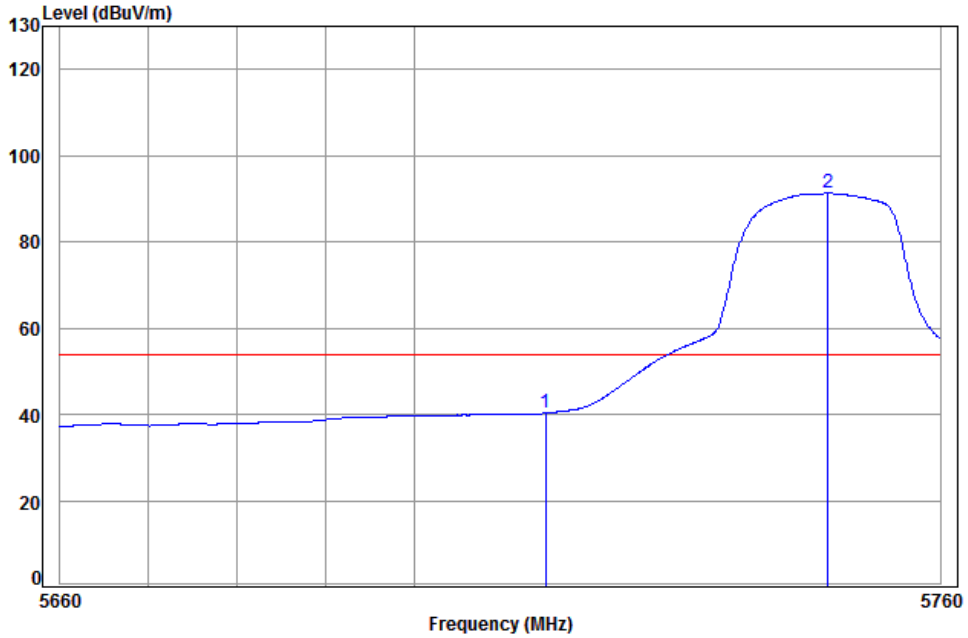
Worse case mode:		Test channel:	5745	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5745 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	56.24	60.04	74.00	-13.96
2 pp	5746.20	8.50	34.23	38.92	101.95	105.76	74.00	31.76

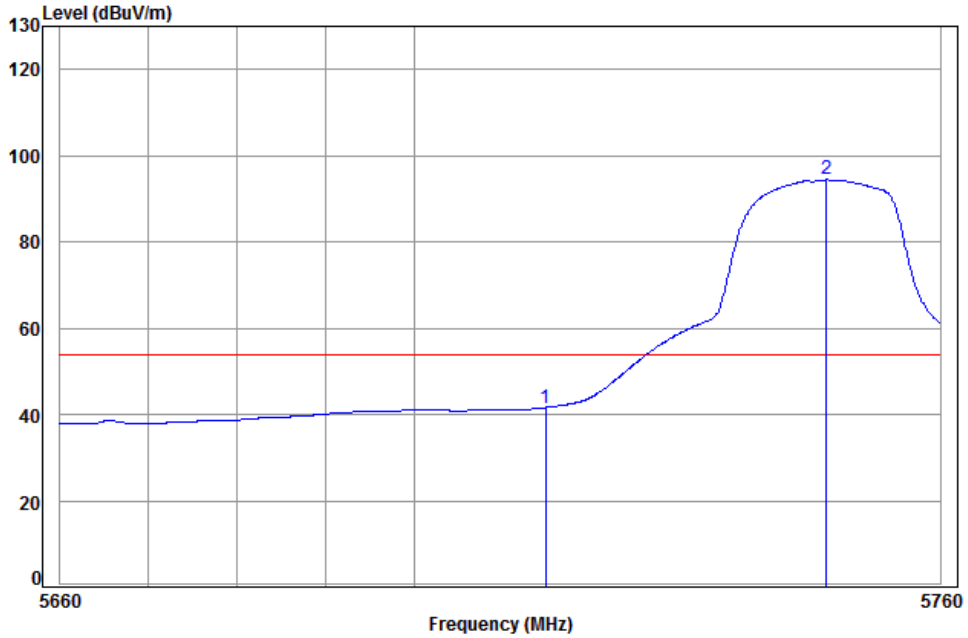
Worse case mode:		Test channel:	5745	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5745 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	36.47	40.27	54.00	-13.73
2 pp	5747.20	8.50	34.23	38.92	87.46	91.27	54.00	37.27

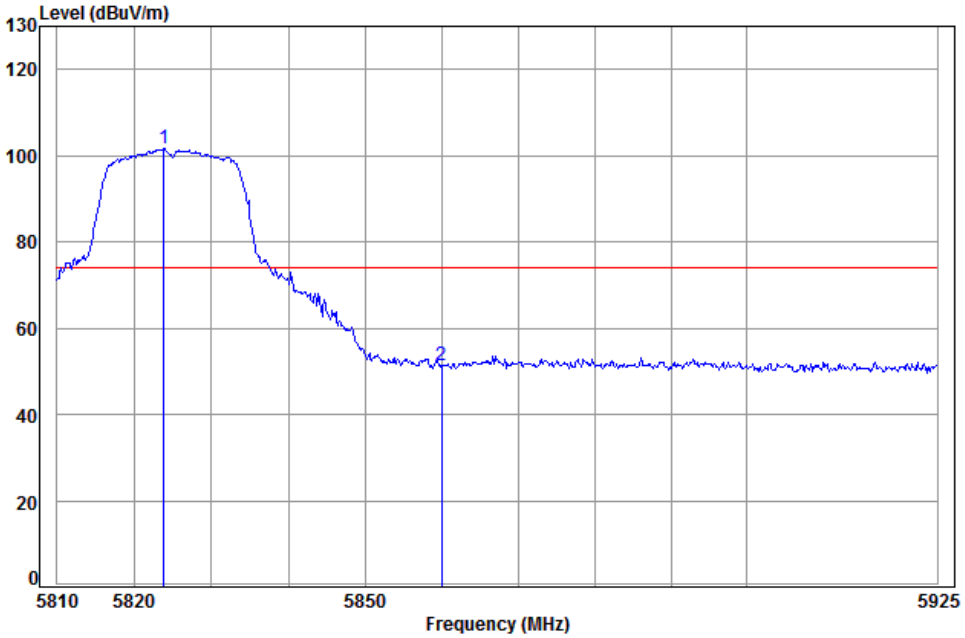
Worse case mode:		Test channel:	5745	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5745 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	37.81	41.61	54.00	-12.39
2 pp	5747.00	8.50	34.23	38.92	90.61	94.42	54.00	40.42

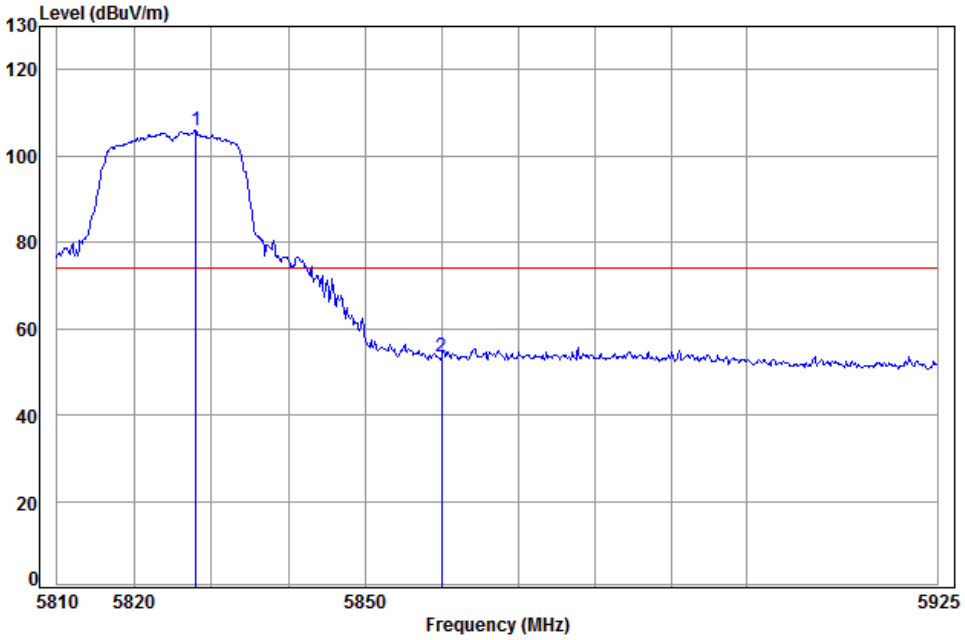
Worse case mode:		Test channel:	5825	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5825 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5823.80	8.58	34.26	38.93	97.84	101.75	74.00	27.75
2	5860.00	8.61	34.35	38.94	47.49	51.51	74.00	-22.49

Worse case mode:		Test channel:	5825	Remark:	Peak	Horizontal

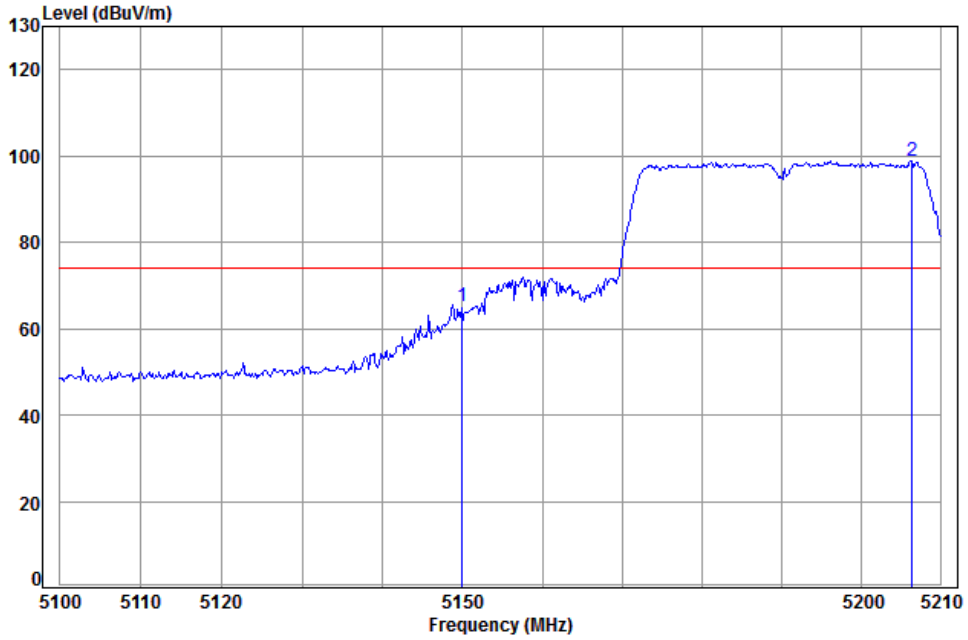


Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5825 Band edge
: N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5828.02	8.58	34.27	38.93	102.12	106.04	74.00	32.04
2	5860.00	8.61	34.35	38.94	49.41	53.43	74.00	-20.57

802.11n(HT40):

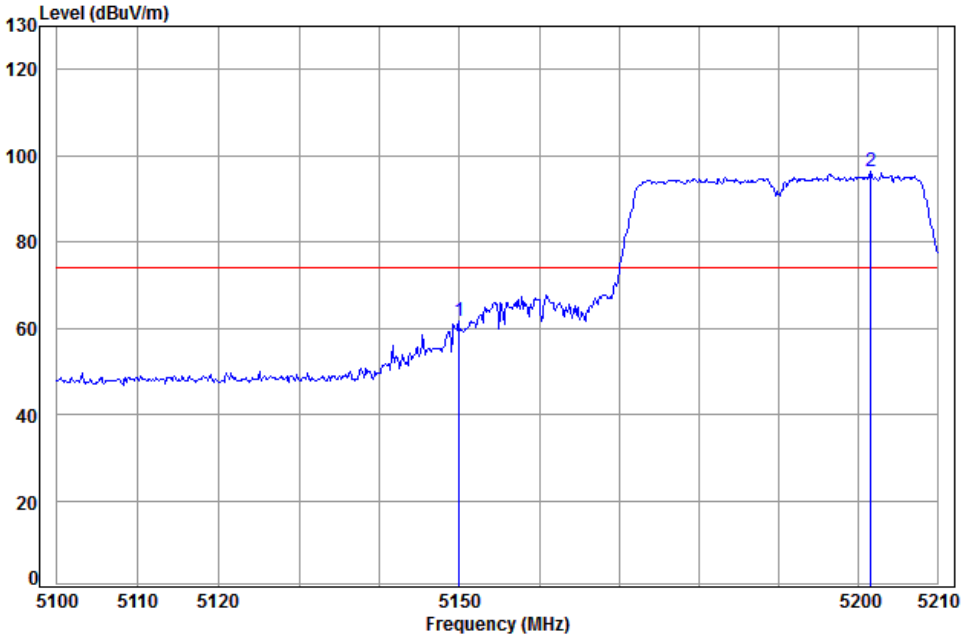
Worse case mode:		Test channel:	5190	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5190 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	61.70	65.03	74.00	-8.97
2 pp	5206.44	8.11	34.01	38.83	95.50	98.79	74.00	24.79

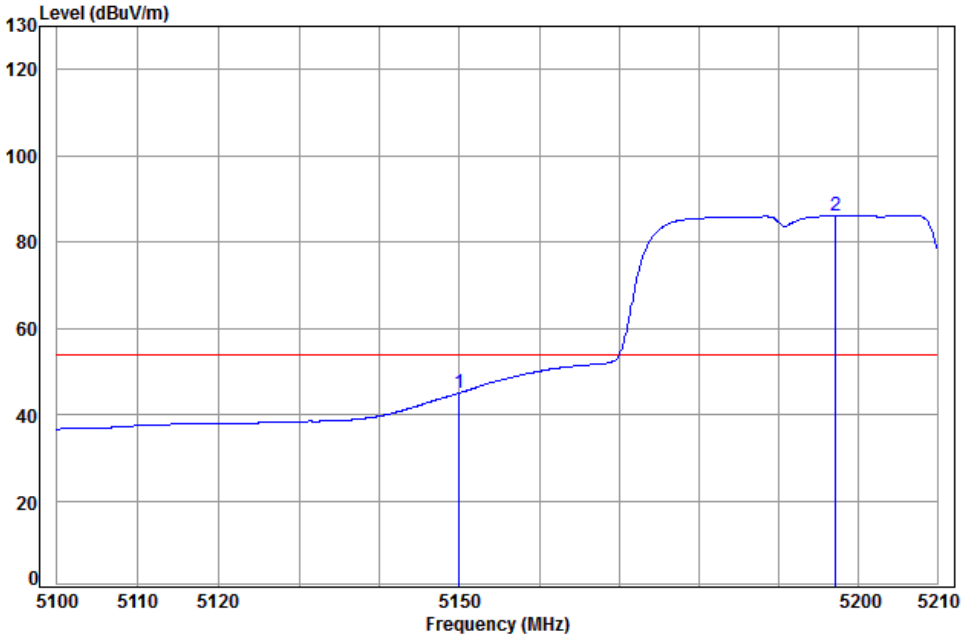
Worse case mode:		Test channel:	5190	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5190 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	58.23	61.56	74.00	-12.44
2 pp	5201.67	8.10	34.00	38.83	92.95	96.22	74.00	22.22

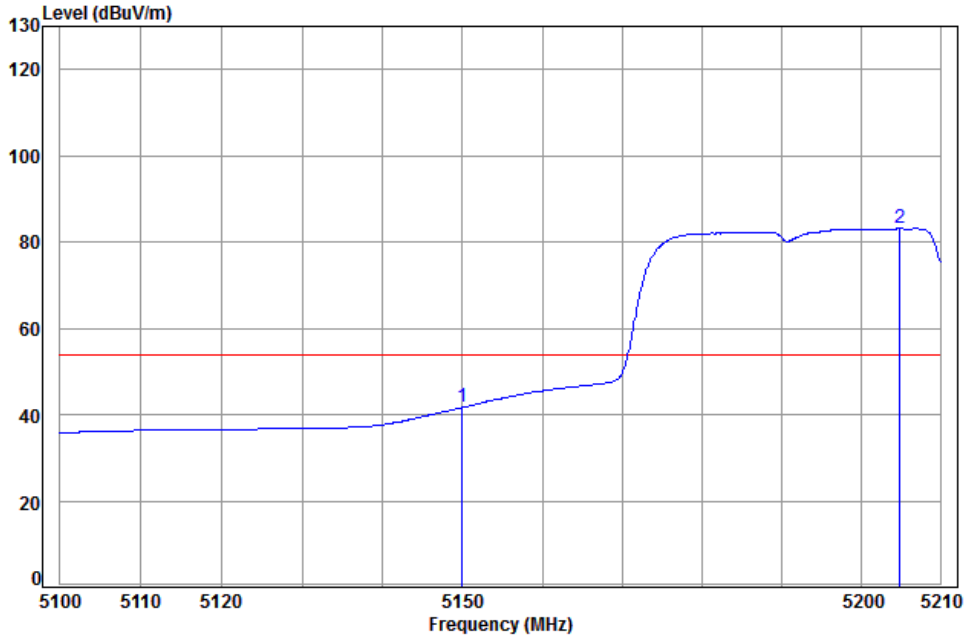
Worse case mode:		Test channel:	5190	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5190 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	41.68	45.01	54.00	-8.99
2 pp	5197.23	8.10	34.00	38.83	82.91	86.18	54.00	32.18

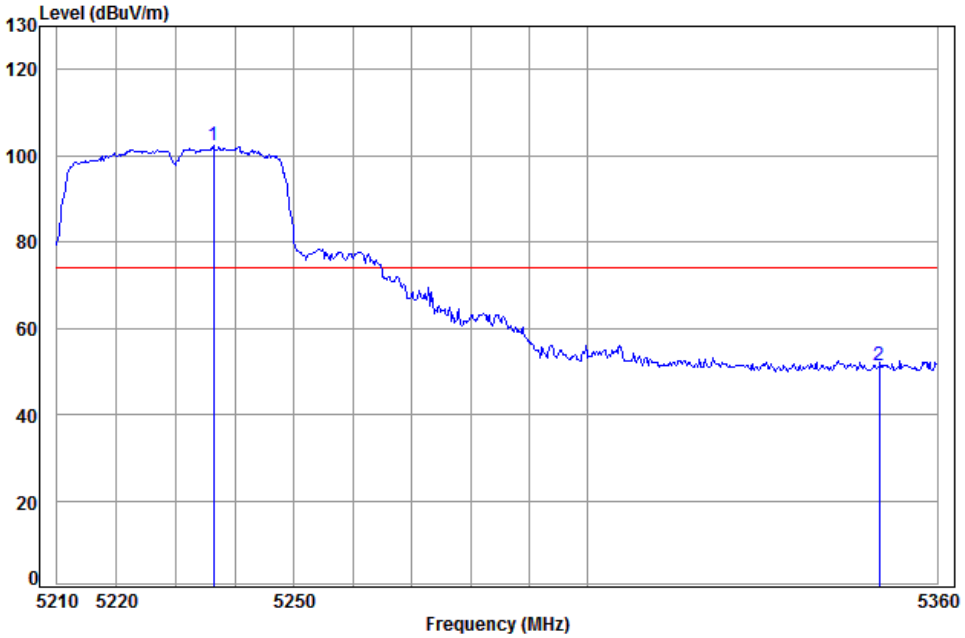
Worse case mode:		Test channel:	5190	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5190 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	38.30	41.63	54.00	-12.37
2 pp	5204.89	8.11	34.01	38.83	79.79	83.08	54.00	29.08

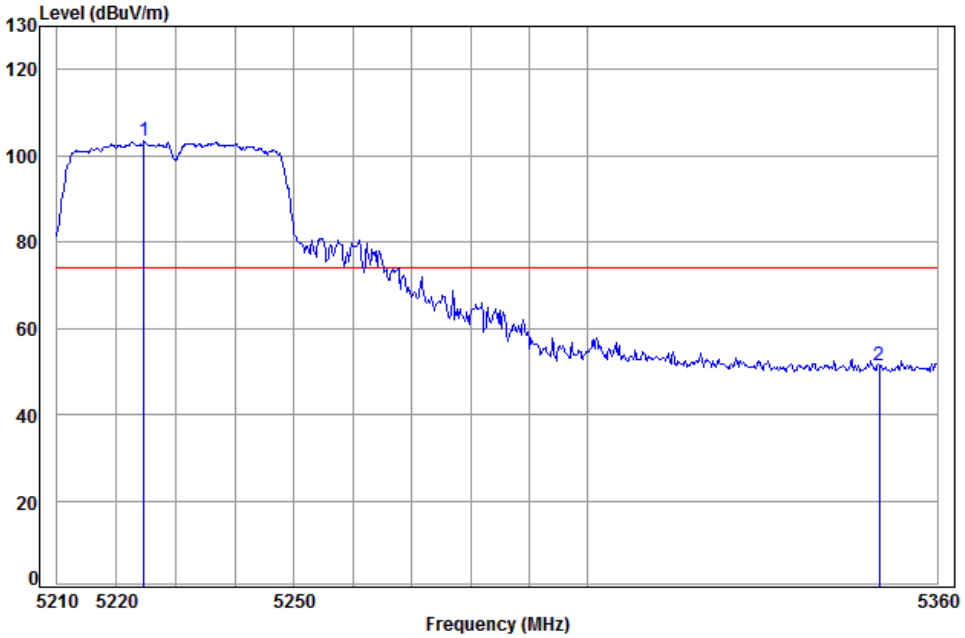
Worse case mode:		Test channel:	5230	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5230 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5236.39	8.12	34.07	38.83	99.06	102.42	74.00	28.42
2	5350.00	8.18	34.30	38.85	47.83	51.46	74.00	-22.54

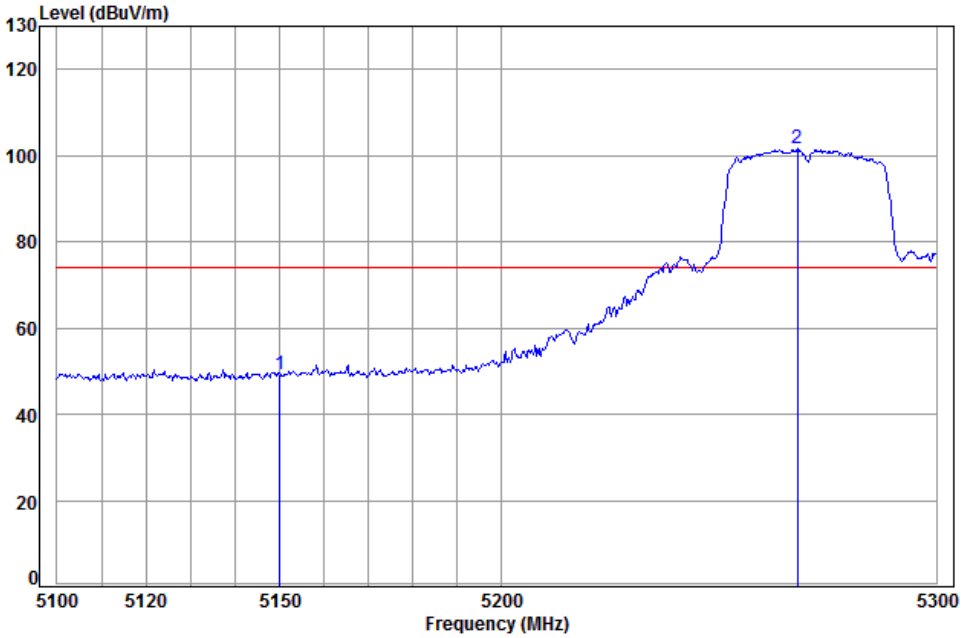
Worse case mode:		Test channel:	5230	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5230 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5224.66	8.12	34.05	38.83	100.01	103.35	74.00	29.35
2	5350.00	8.18	34.30	38.85	47.80	51.43	74.00	-22.57

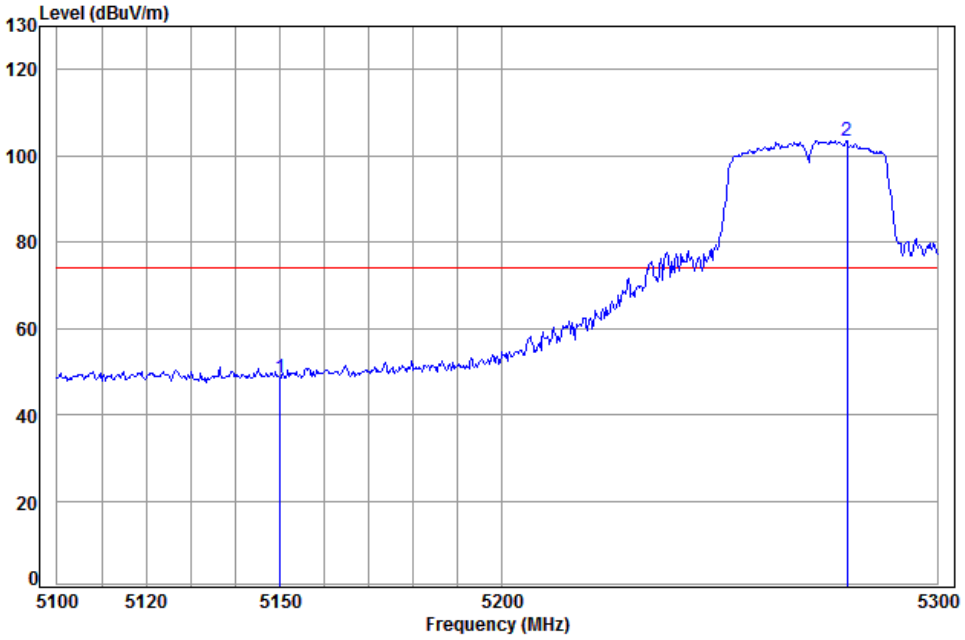
Worse case mode:		Test channel:	5270	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5270 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	45.94	49.27	74.00	-24.73
2 pp	5267.89	8.14	34.14	38.84	98.22	101.66	74.00	27.66

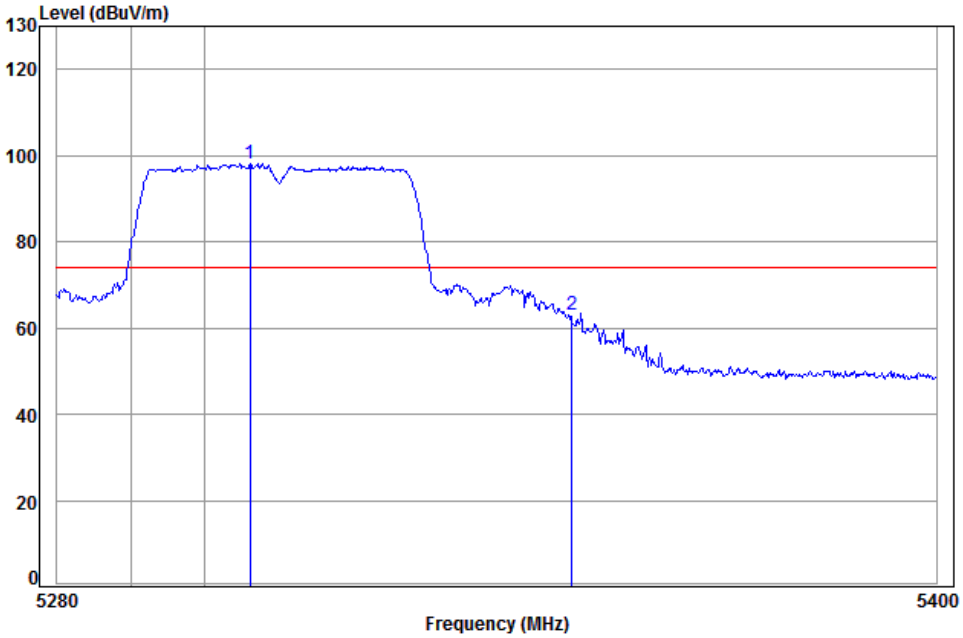
Worse case mode:		Test channel:	5270	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5270 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.00	8.08	34.07	38.82	45.17	48.50	74.00	-25.50
2 pp	5279.25	8.14	34.16	38.84	100.14	103.60	74.00	29.60

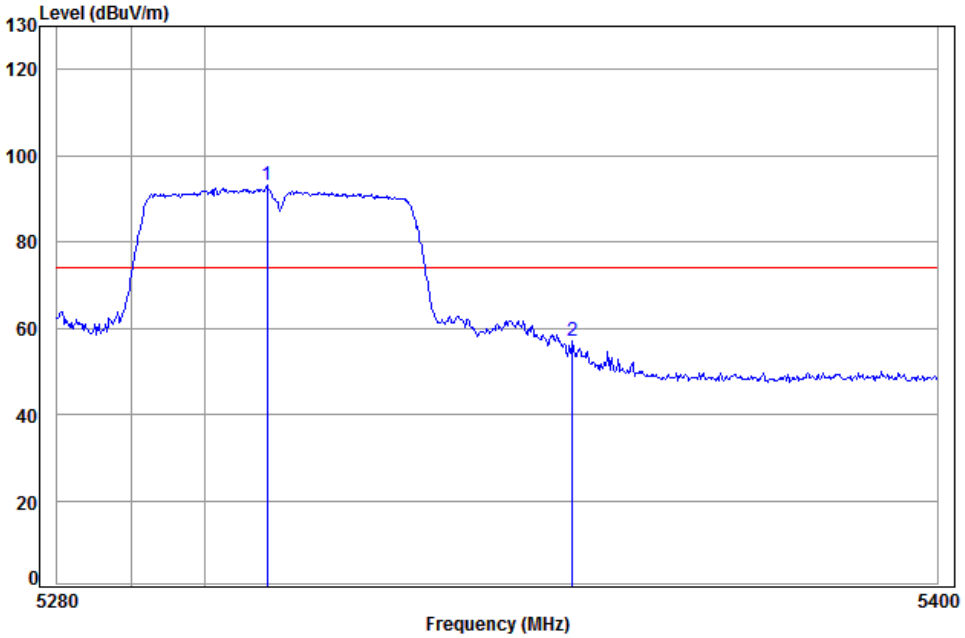
Worse case mode:		Test channel:	5310	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5310 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5306.17	8.16	34.21	38.85	94.72	98.24	74.00	24.24
2	5350.00	8.18	34.30	38.85	59.35	62.98	74.00	-11.02

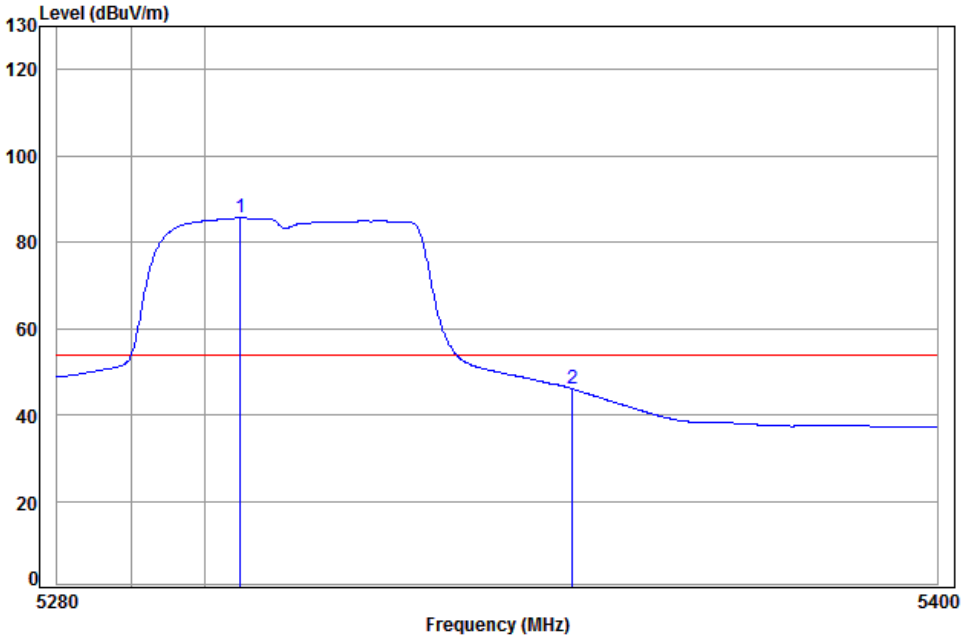
Worse case mode:		Test channel:	5310	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5310 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5308.44	8.16	34.22	38.85	89.54	93.07	74.00	19.07
2	5350.00	8.18	34.30	38.85	53.34	56.97	74.00	-17.03

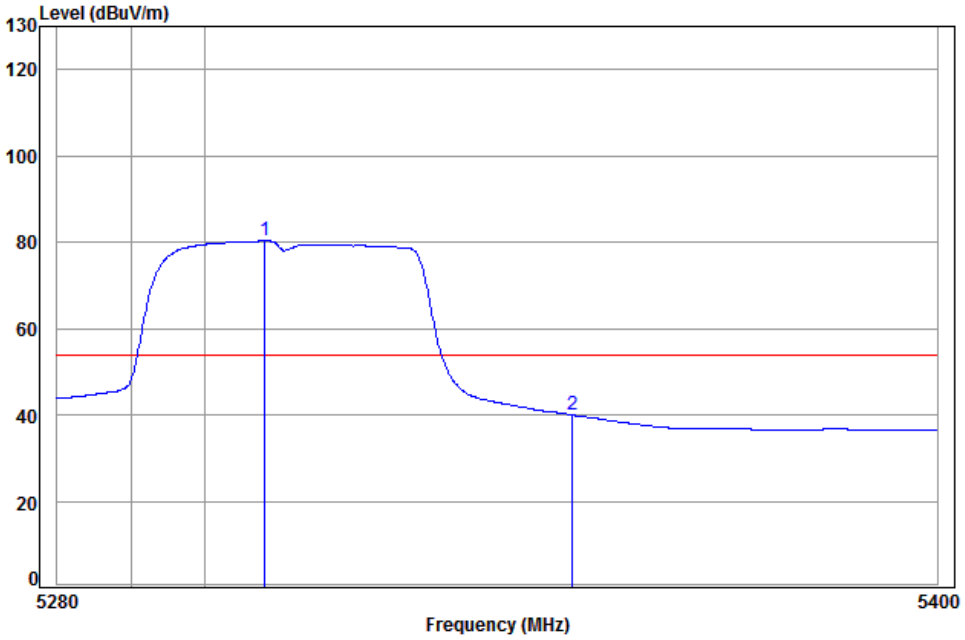
Worse case mode:		Test channel:	5310	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5310 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5304.74	8.16	34.21	38.85	82.08	85.60	54.00	31.60
2	5350.00	8.18	34.30	38.85	42.37	46.00	54.00	-8.00

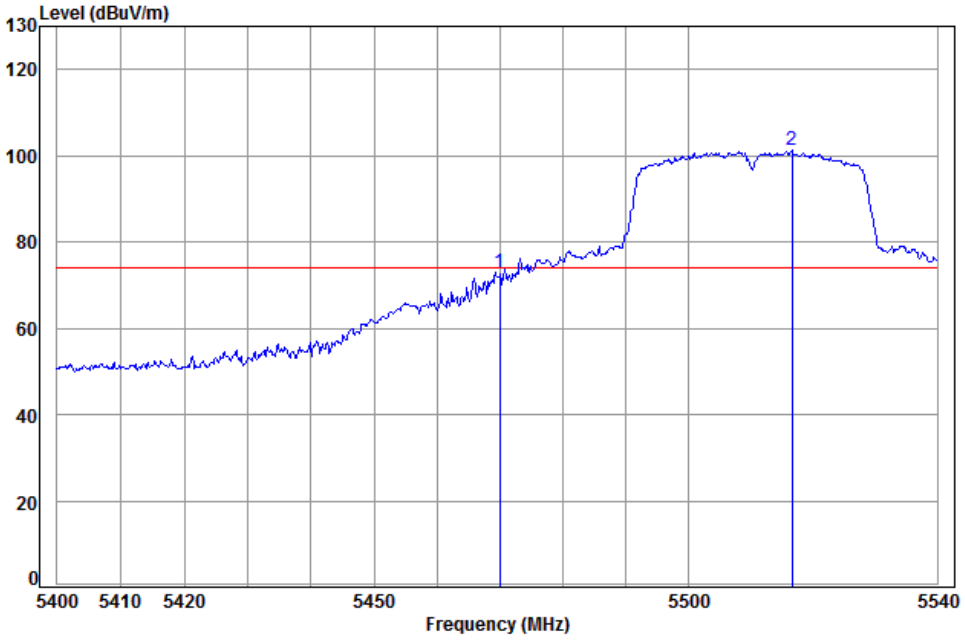
Worse case mode:		Test channel:	5310	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5310 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5308.08	8.16	34.22	38.85	76.77	80.30	54.00	26.30
2	5350.00	8.18	34.30	38.85	36.31	39.94	54.00	-14.06

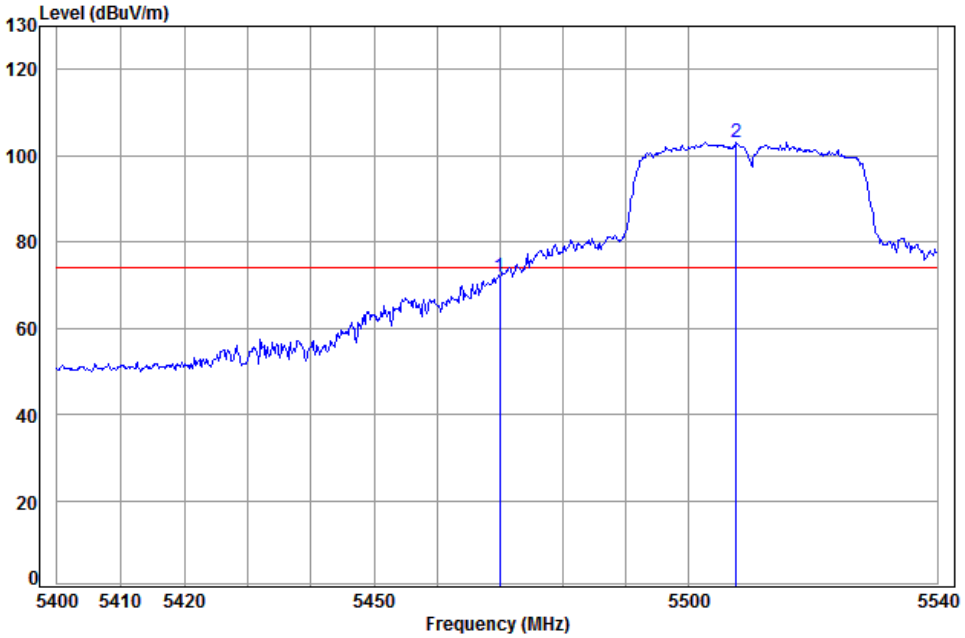
Worse case mode:		Test channel:	5510	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5510 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	69.29	73.02	74.00	-0.98
2 pp	5516.65	8.27	34.34	38.88	97.53	101.26	74.00	27.26

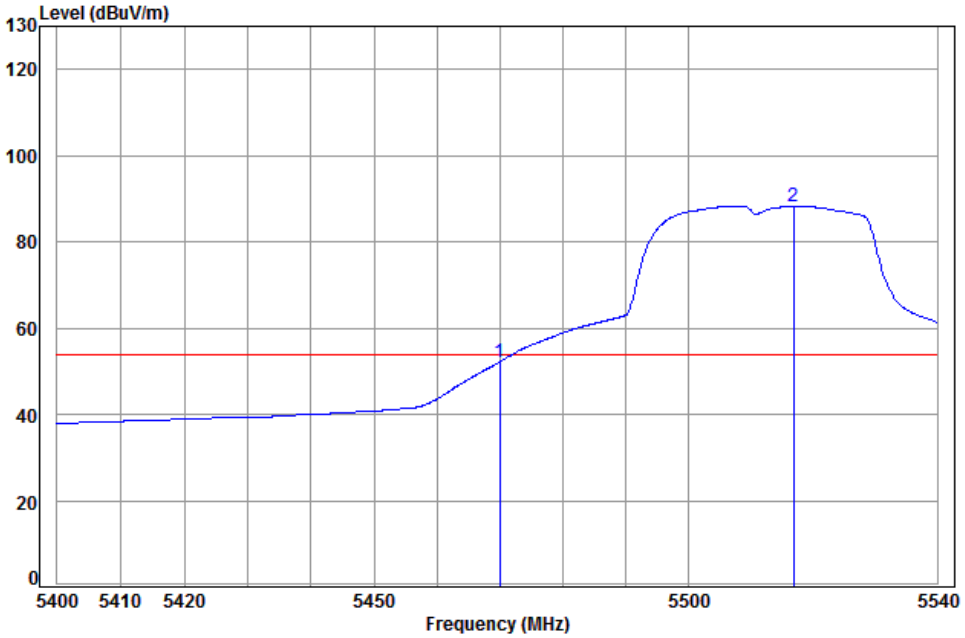
Worse case mode:		Test channel:	5510	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5510 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	68.29	72.02	74.00	-1.98
2 pp	5507.76	8.26	34.35	38.88	99.43	103.16	74.00	29.16

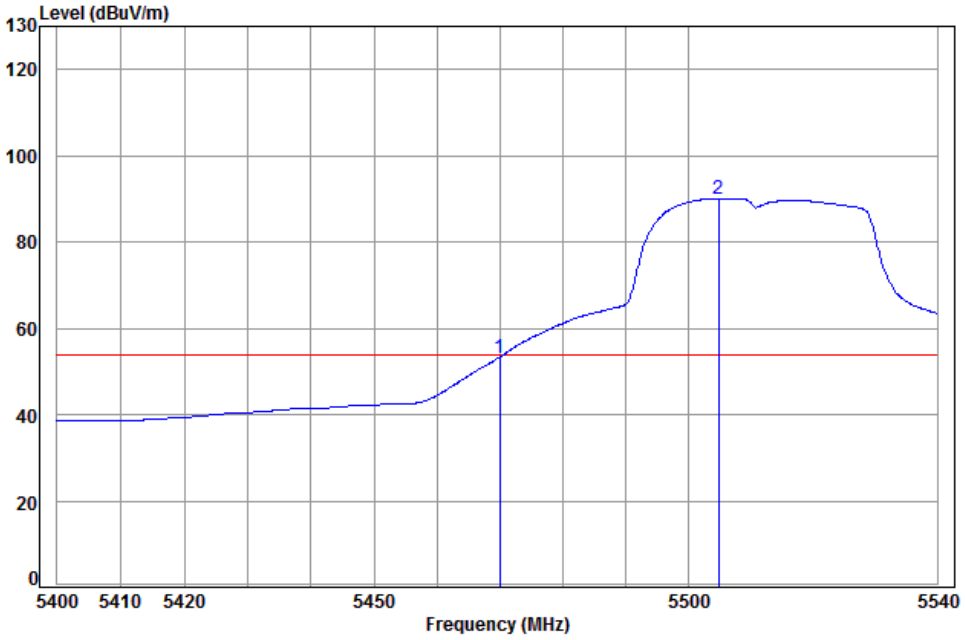
Worse case mode:		Test channel:	5510	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5510 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	48.47	52.20	54.00	-1.80
2 pp	5516.94	8.27	34.34	38.88	84.63	88.36	54.00	34.36

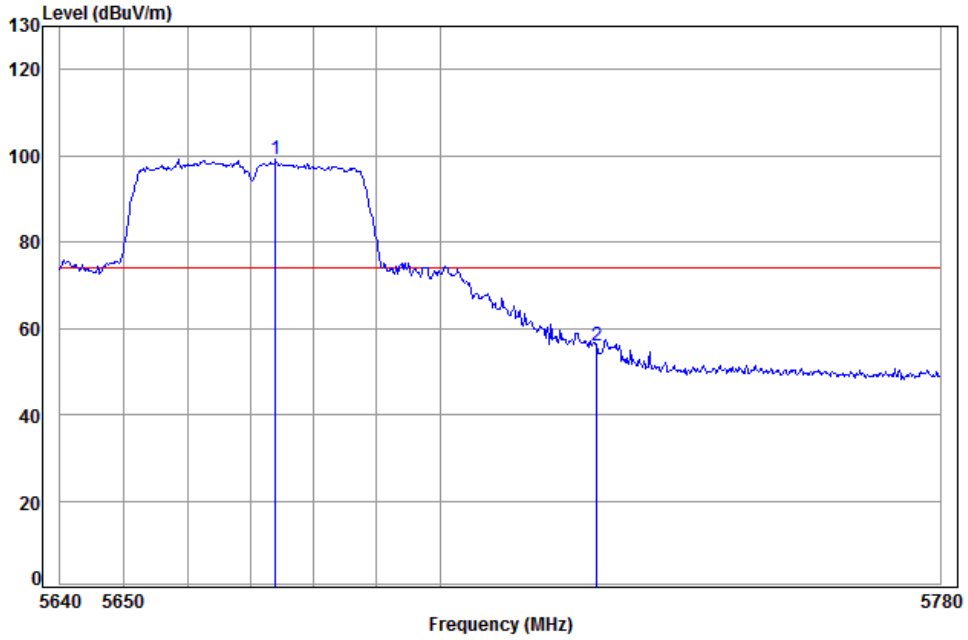
Worse case mode:		Test channel:	5510	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5510 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5470.00	8.24	34.36	38.87	49.55	53.28	54.00	-0.72
2 pp	5504.95	8.26	34.35	38.88	86.39	90.12	54.00	36.12

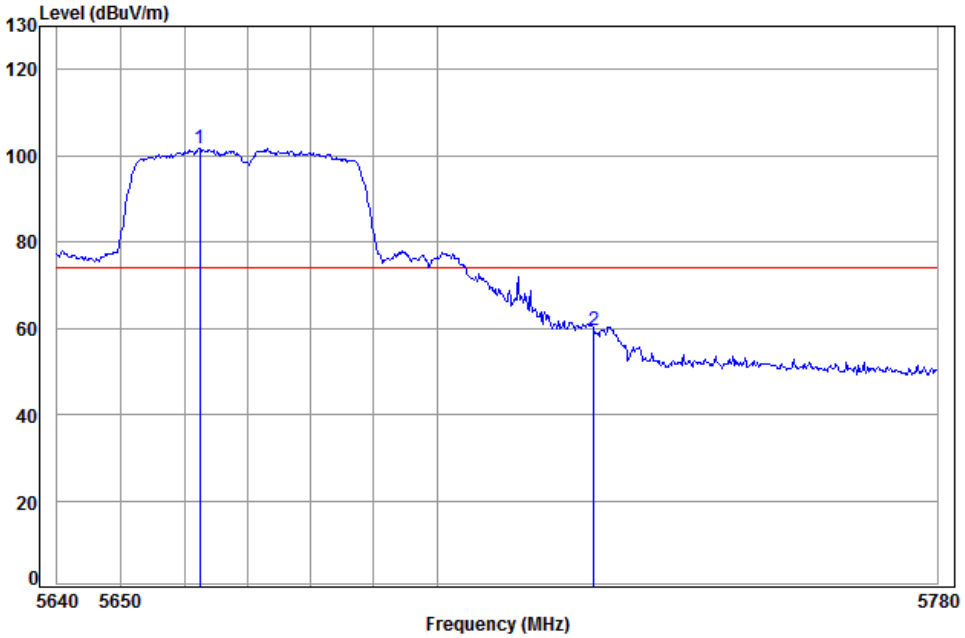
Worse case mode:		Test channel:	5670	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5670 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5673.98	8.43	34.26	38.91	95.27	99.05	74.00	25.05
2	5725.00	8.48	34.24	38.92	52.07	55.87	74.00	-18.13

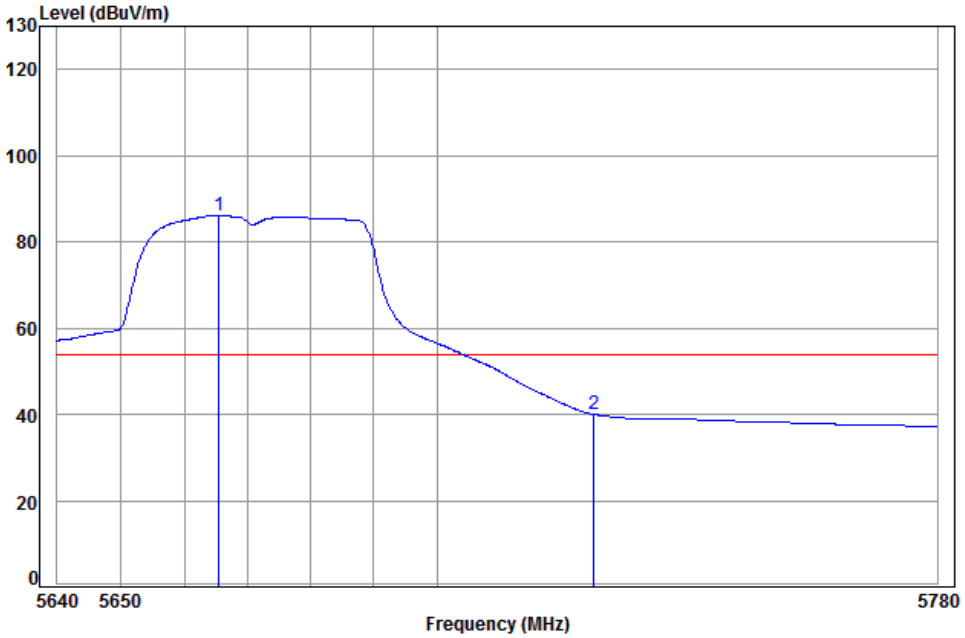
Worse case mode:		Test channel:	5670	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5670 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5662.45	8.42	34.27	38.91	97.98	101.76	74.00	27.76
2	5725.00	8.48	34.24	38.92	55.60	59.40	74.00	-14.60

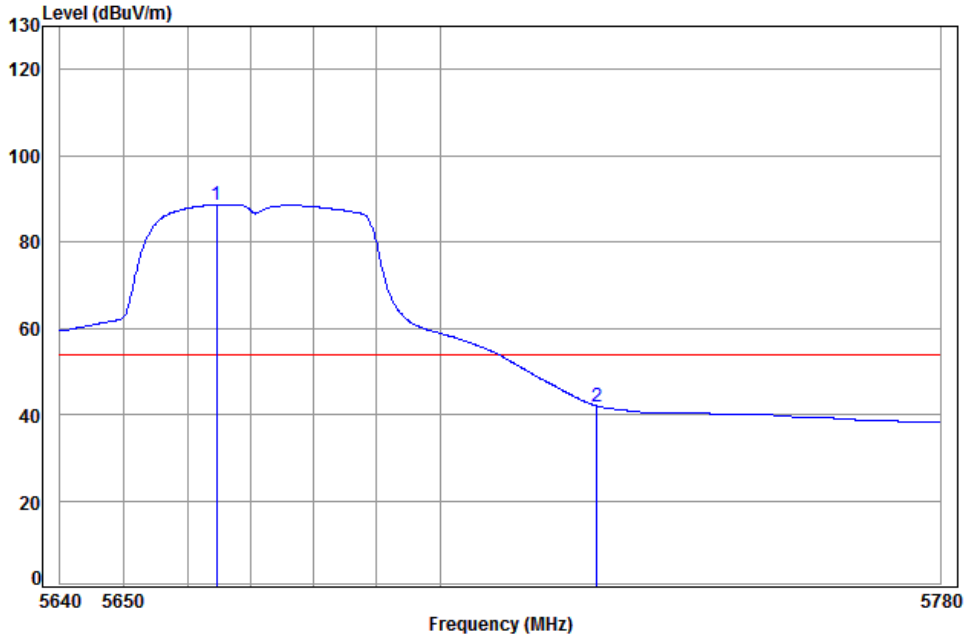
Worse case mode:		Test channel:	5670	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5670 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5665.50	8.42	34.27	38.91	82.33	86.11	54.00	32.11
2	5725.00	8.48	34.24	38.92	36.21	40.01	54.00	-13.99

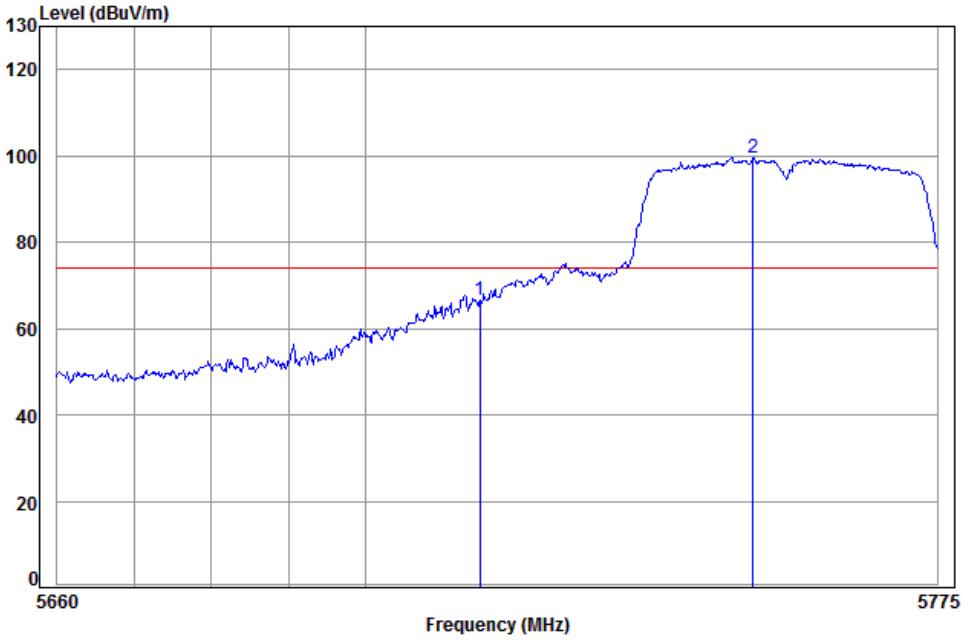
Worse case mode:		Test channel:	5670	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5670 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5664.67	8.42	34.27	38.91	84.87	88.65	54.00	34.65
2	5725.00	8.48	34.24	38.92	38.16	41.96	54.00	-12.04

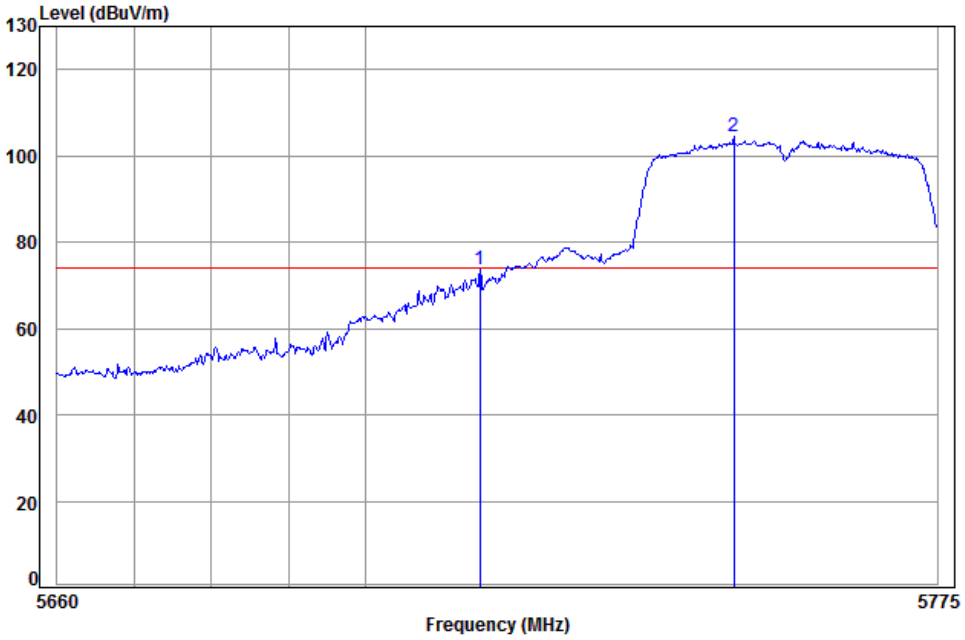
Worse case mode:		Test channel:	5755	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5755 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	62.85	66.65	74.00	-7.35
2 pp	5750.77	8.51	34.22	38.92	95.75	99.56	74.00	25.56

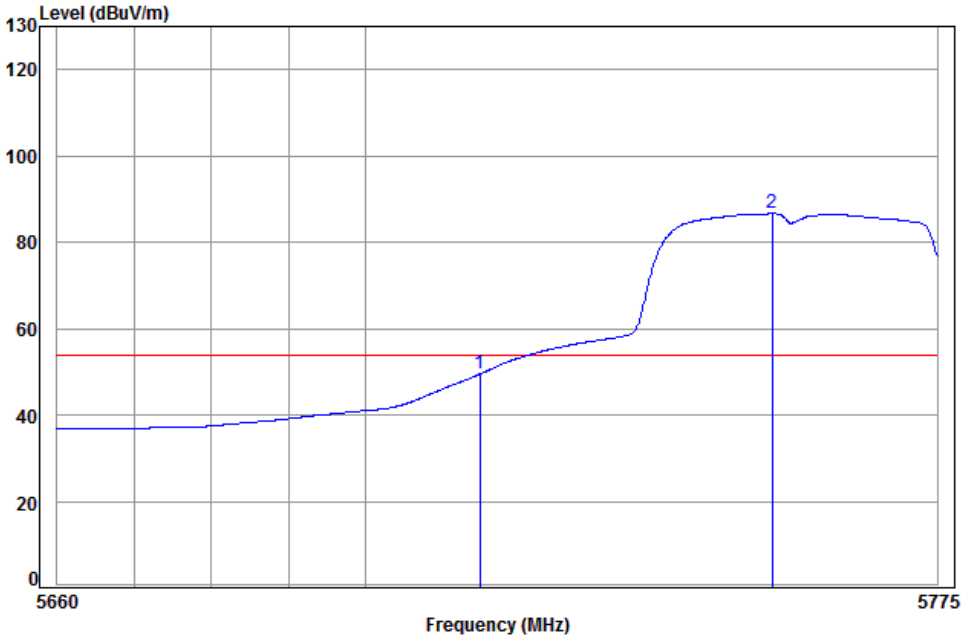
Worse case mode:		Test channel:	5755	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5755 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	69.95	73.75	74.00	-0.25
2 pp	5748.23	8.50	34.23	38.92	100.54	104.35	74.00	30.35

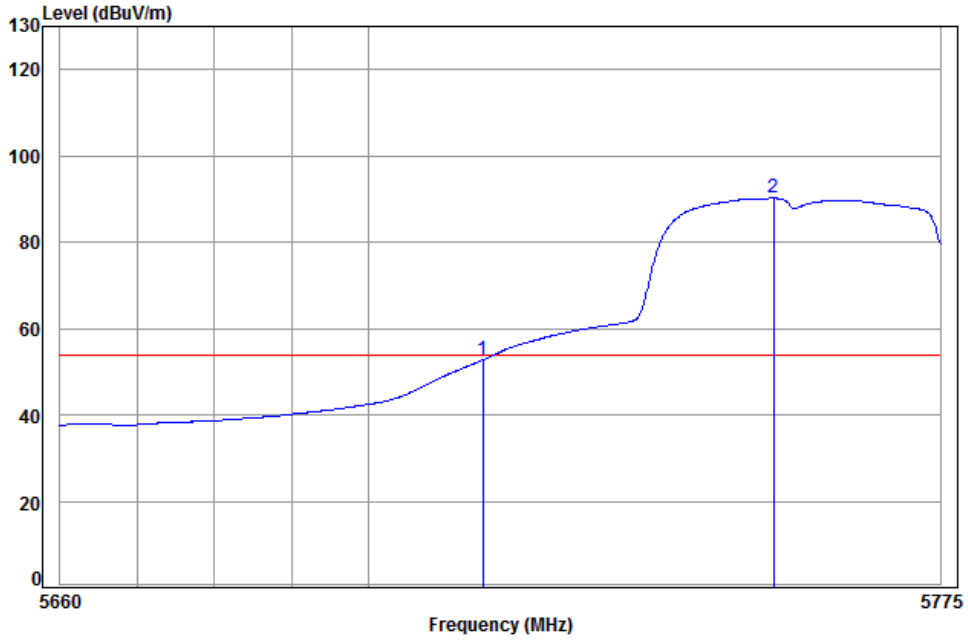
Worse case mode:		Test channel:	5755	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5755 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	45.73	49.53	54.00	-4.47
2 pp	5753.32	8.51	34.22	38.92	82.86	86.67	54.00	32.67

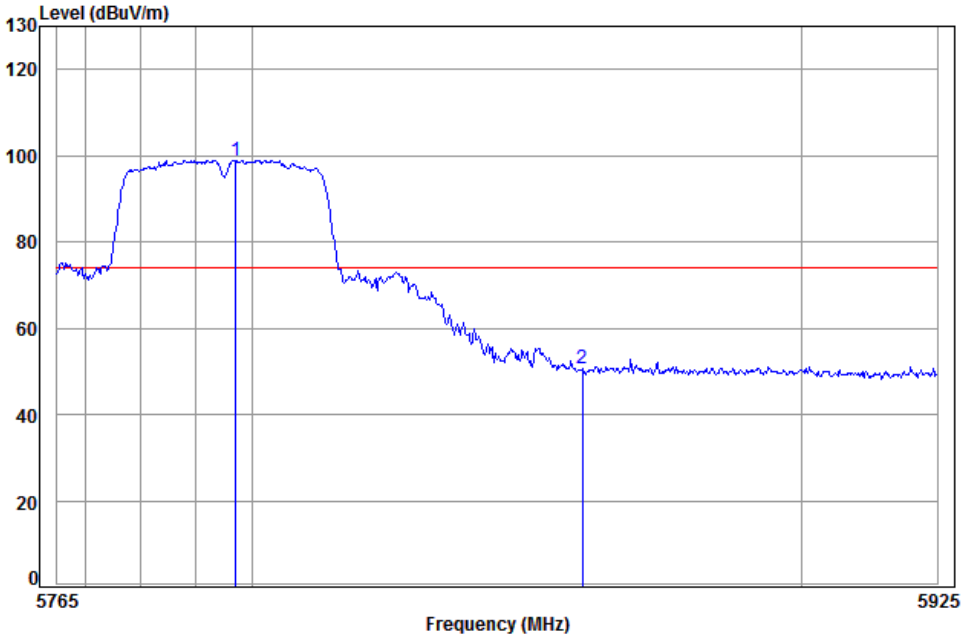
Worse case mode:		Test channel:	5755	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5755 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.00	8.47	34.24	38.91	48.99	52.79	54.00	-1.21
2 pp	5753.09	8.51	34.22	38.92	86.37	90.18	54.00	36.18

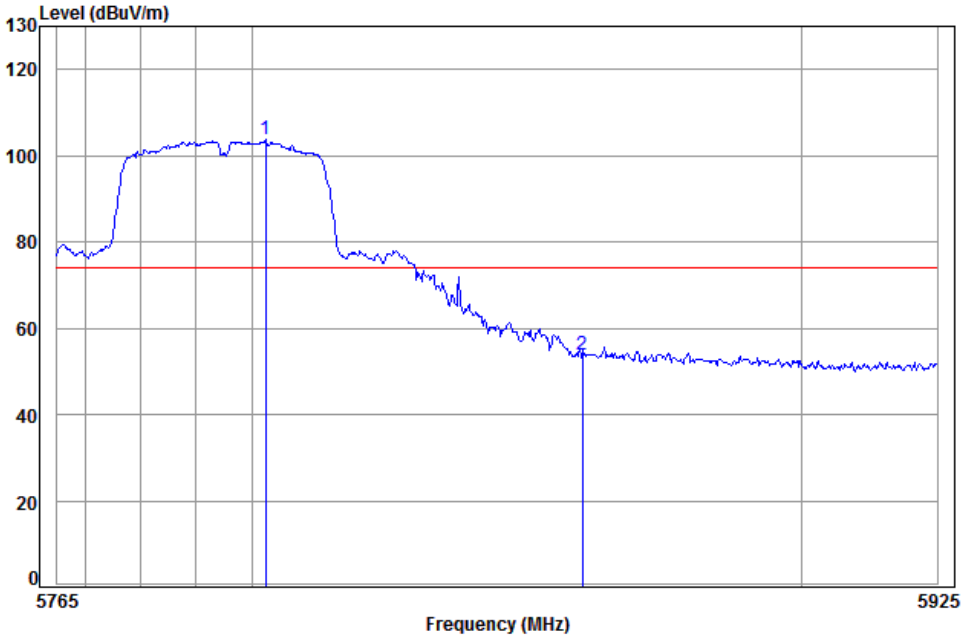
Worse case mode:		Test channel:	5795	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 2603RG
Mode: : 5795 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5797.13	8.55	34.20	38.93	95.14	98.96	74.00	24.96
2	5860.00	8.61	34.35	38.94	46.50	50.52	74.00	-23.48

Worse case mode:		Test channel:	5795	Remark:	Peak	Horizontal



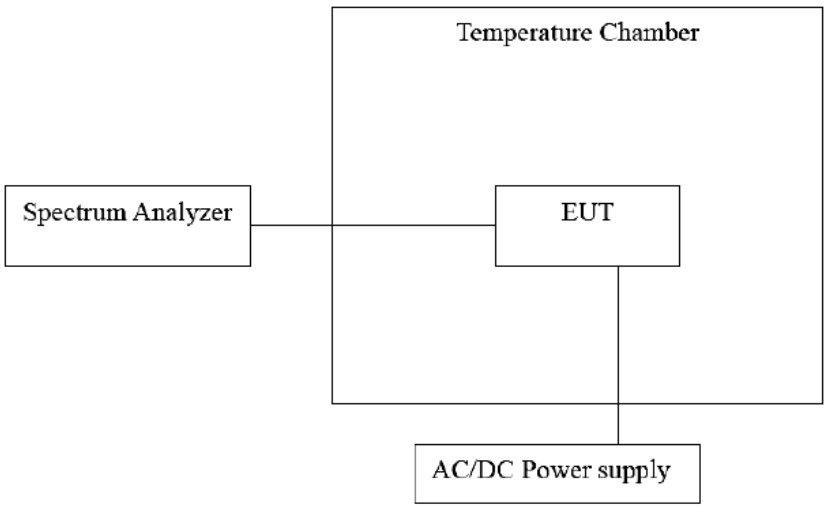
Condition: 3m Horizontal
Job No: : 2603RG
Mode: : 5795 Band edge
: N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5802.53	8.56	34.21	38.93	100.06	103.90	74.00	29.90
2	5860.00	8.61	34.35	38.94	49.98	54.00	74.00	-20.00

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

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

6.10 Frequency Stability

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

Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5181.2598	Pass
25		5181.2600	Pass
15		5181.2605	Pass
5		5181.2602	Pass
0		5181.2597	Pass
20	3.145	5181.2590	Pass
	3.7	5181.2600	Pass
	4.255	5181.2608	Pass

Test mode:	802.11a	Frequency(MHz):	5200
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5201.2593	Pass
25		5201.2600	Pass
15		5201.2610	Pass
5		5201.2600	Pass
0		5201.2598	Pass
20	3.145	5201.2592	Pass
	3.7	5201.2600	Pass
	4.255	5201.2608	Pass

Test mode:	802.11a	Frequency(MHz):	5240
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5241.2891	Pass
25		5241.2900	Pass
15		5241.2910	Pass
5		5241.2903	Pass
0		5241.2899	Pass
20	3.145	5241.2898	Pass
	3.7	5241.2900	Pass
	4.255	5241.2906	Pass

Test mode:	802.11a	Frequency(MHz):	5260
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5261.2591	Pass
25		5261.2600	Pass
15		5261.2606	Pass
5		5261.2605	Pass
0		5261.2596	Pass
20	3.145	5261.2591	Pass
	3.7	5261.2600	Pass
	4.255	5261.2609	Pass

Test mode:	802.11a	Frequency(MHz):	5300
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5301.2594	Pass
25		5301.2600	Pass
15		5301.2604	Pass
5		5301.2601	Pass
0		5301.2593	Pass
20	3.145	5301.2595	Pass
	3.7	5301.2600	Pass
	4.255	5301.2609	Pass

Test mode:	802.11a	Frequency(MHz):	5320
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5321.2594	Pass
25		5321.2600	Pass
15		5321.2602	Pass
5		5321.2597	Pass
0		5321.2589	Pass
20	3.145	5321.2593	Pass
	3.7	5321.2600	Pass
	4.255	5321.2604	Pass

Test mode:	802.11a	Frequency(MHz):	5500
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5501.2596	Pass
25		5501.2600	Pass
15		5501.2601	Pass
5		5501.2593	Pass
0		5501.2585	Pass
20	3.145	5501.2596	Pass
	3.7	5501.2600	Pass
	4.255	5501.2607	Pass

Test mode:	802.11a	Frequency(MHz):	5600
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5601.1996	Pass
25		5601.2000	Pass
15		5601.2007	Pass
5		5601.1998	Pass
0		5601.1991	Pass
20	3.145	5601.1992	Pass
	3.7	5601.2000	Pass
	4.255	5601.2003	Pass

Test mode:	802.11a	Frequency(MHz):	5700
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5701.2593	Pass
25		5701.2600	Pass
15		5701.2602	Pass
5		5701.2593	Pass
0		5701.2587	Pass
20	3.145	5701.2596	Pass
	3.7	5701.2600	Pass
	4.255	5701.2603	Pass

Test mode:	802.11a	Frequency(MHz):	5745
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5746.2598	Pass
25		5746.2600	Pass
15		5746.2608	Pass
5		5746.2602	Pass
0		5746.2595	Pass
20	3.145	5746.2598	Pass
	3.7	5746.2600	Pass
	4.255	5746.2603	Pass

Test mode:	802.11a	Frequency(MHz):	5785
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5786.2893	Pass
25		5786.2900	Pass
15		5786.2905	Pass
5		5786.2899	Pass
0		5786.2898	Pass
20	3.145	5786.2895	Pass
	3.7	5786.2900	Pass
	4.255	5786.2904	Pass

Test mode:	802.11a	Frequency(MHz):	5825
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5826.2592	Pass
25		5826.2600	Pass
15		5826.2607	Pass
5		5826.2603	Pass
0		5826.2598	Pass
20	3.145	5826.2598	Pass
	3.7	5826.2600	Pass
	4.255	5826.2602	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5180
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5181.2592	Pass
25		5181.2600	Pass
15		5181.2608	Pass
5		5181.2599	Pass
0		5181.2595	Pass
20	3.145	5181.2598	Pass
	3.7	5181.2600	Pass
	4.255	5181.2607	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5200
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5201.2897	Pass
25		5201.2900	Pass
15		5201.2905	Pass
5		5201.2900	Pass
0		5201.2892	Pass
20	3.145	5201.2896	Pass
	3.7	5201.2900	Pass
	4.255	5201.2904	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5240
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5241.2597	Pass
25		5241.2600	Pass
15		5241.2601	Pass
5		5241.2597	Pass
0		5241.2593	Pass
20	3.145	5241.2593	Pass
	3.7	5241.2600	Pass
	4.255	5241.2607	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5260
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5261.2590	Pass
25		5261.2600	Pass
15		5261.2604	Pass
5		5261.2595	Pass
0		5261.2591	Pass
20	3.145	5261.2592	Pass
	3.7	5261.2600	Pass
	4.255	5261.2603	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5300
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5301.2591	Pass
25		5301.2600	Pass
15		5301.2610	Pass
5		5301.2608	Pass
0		5301.2604	Pass
20	3.145	5301.2591	Pass
	3.7	5301.2600	Pass
	4.255	5301.2603	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5320
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5321.2591	Pass
25		5321.2600	Pass
15		5321.2604	Pass
5		5321.2598	Pass
0		5321.2594	Pass
20	3.145	5321.2598	Pass
	3.7	5321.2600	Pass
	4.255	5321.2609	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5500
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5501.2593	Pass
25		5501.2600	Pass
15		5501.2609	Pass
5		5501.2600	Pass
0		5501.2591	Pass
20	3.145	5501.2591	Pass
	3.7	5501.2600	Pass
	4.255	5501.2607	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5600
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5601.2596	Pass
25		5601.2600	Pass
15		5601.2603	Pass
5		5601.2594	Pass
0		5601.2589	Pass
20	3.145	5601.2593	Pass
	3.7	5601.2600	Pass
	4.255	5601.2609	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5700
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5701.2597	Pass
25		5701.2600	Pass
15		5701.2608	Pass
5		5701.2602	Pass
0		5701.2593	Pass
20	3.145	5701.2594	Pass
	3.7	5701.2600	Pass
	4.255	5701.2602	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5745
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5746.2598	Pass
25		5746.2600	Pass
15		5746.2609	Pass
5		5746.2607	Pass
0		5746.2602	Pass
20	3.145	5746.2598	Pass
	3.7	5746.2600	Pass
	4.255	5746.2606	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5785
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5786.2893	Pass
25		5786.2900	Pass
15		5786.2910	Pass
5		5786.2900	Pass
0		5786.2893	Pass
20	3.145	5786.2899	Pass
	3.7	5786.2900	Pass
	4.255	5786.2902	Pass

Test mode:	802.11n(HT20)	Frequency(MHz):	5825
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5826.2598	Pass
25		5826.2600	Pass
15		5826.2602	Pass
5		5826.2599	Pass
0		5826.2597	Pass
20	3.145	5826.2595	Pass
	3.7	5826.2600	Pass
	4.255	5826.2605	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5190
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5181.2991	Pass
25		5181.3000	Pass
15		5181.3005	Pass
5		5181.2997	Pass
0		5181.2992	Pass
20	3.145	5181.2998	Pass
	3.7	5181.3000	Pass
	4.255	5181.3009	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5230
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5227.4797	Pass
25		5227.4800	Pass
15		5227.4809	Pass
5		5227.4802	Pass
0		5227.4795	Pass
20	3.145	5227.4793	Pass
	3.7	5227.4800	Pass
	4.255	5227.4809	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5270
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5272.5191	Pass
25		5272.5200	Pass
15		5272.5204	Pass
5		5272.5201	Pass
0		5272.5199	Pass
20	3.145	5272.5190	Pass
	3.7	5272.5200	Pass
	4.255	5272.5208	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5310
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5321.2798	Pass
25		5321.2800	Pass
15		5321.2802	Pass
5		5321.2799	Pass
0		5321.2791	Pass
20	3.145	5321.2790	Pass
	3.7	5321.2800	Pass
	4.255	5321.2809	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5510
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5501.2996	Pass
25		5501.3000	Pass
15		5501.3005	Pass
5		5501.3003	Pass
0		5501.2997	Pass
20	3.145	5501.2990	Pass
	3.7	5501.3000	Pass
	4.255	5501.3006	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5590
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5587.4797	Pass
25		5587.4800	Pass
15		5587.4808	Pass
5		5587.4802	Pass
0		5587.4799	Pass
20	3.145	5587.4795	Pass
	3.7	5587.4800	Pass
	4.255	5587.4807	Pass

Test mode:	802.11n(HT40)	Frequency(MHz):	5670
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5667.4796	Pass
25		5667.4800	Pass
15		5667.4806	Pass
5		5667.4800	Pass
0		5667.4793	Pass
20	3.145	5667.4797	Pass
	3.7	5667.4800	Pass
	4.255	5667.4803	Pass

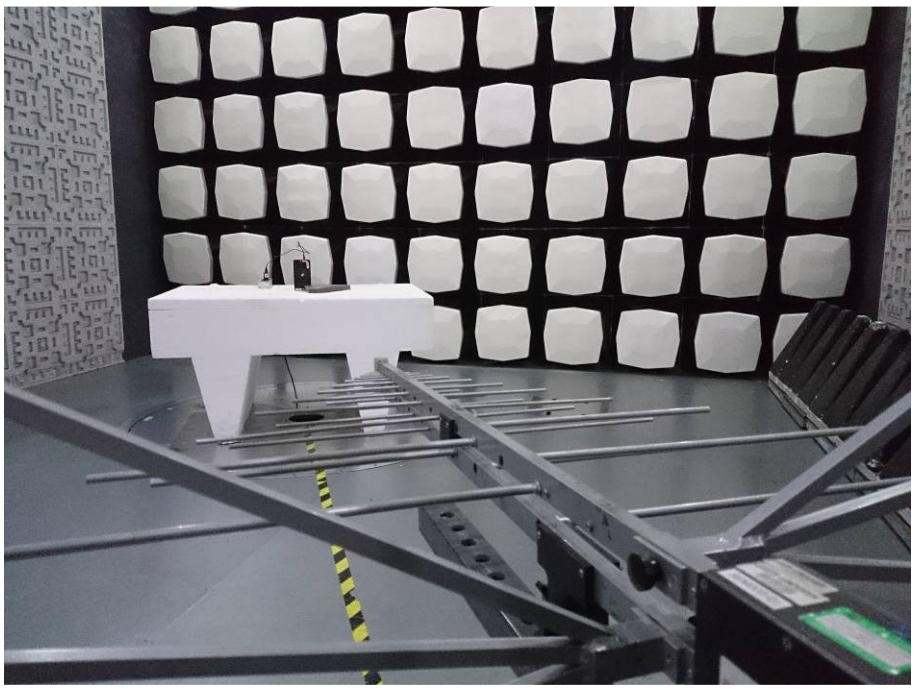
Test mode:	802.11n(HT40)	Frequency(MHz):	5755
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5757.5791	Pass
25		5757.5800	Pass
15		5757.5808	Pass
5		5757.5799	Pass
0		5757.5795	Pass
20	3.145	5757.5790	Pass
	3.7	5757.5800	Pass
	4.255	5757.5802	Pass

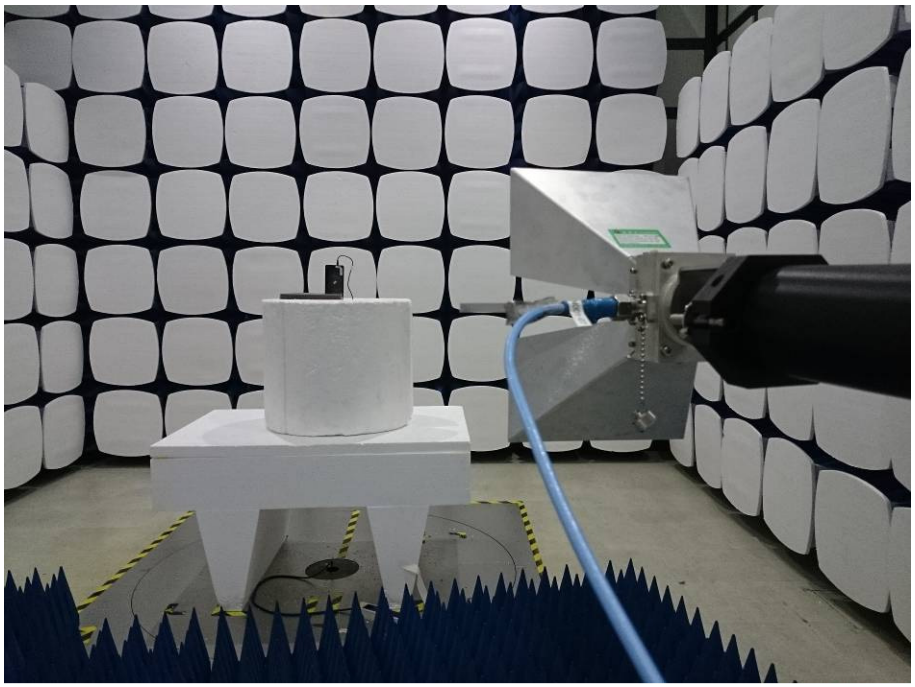
Test mode:	802.11n(HT40)	Frequency(MHz):	5795
Temperature (℃)	Voltage(VDC)	Measurement Frequency(MHz)	Result
35	3.7	5797.5192	Pass
25		5797.5200	Pass
15		5797.5209	Pass
5		5797.5205	Pass
0		5797.5202	Pass
20	3.145	5797.5190	Pass
	3.7	5797.5200	Pass
	4.255	5797.5208	Pass

7 Photographs - EUT Test Setup

Test model No.: A6004

7.1 Radiated Spurious Emission





7.2 Conducted Emission

8 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1604002603RG.