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Shenzhen Branch

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FCC REPORT

Application No:	SZEM1602000659CR
Applicant:	Embest Technology Co., Ltd
Manufacturer:	Embest Technology Co., Ltd
Factory:	Embest Technology Co., Ltd
Product Name:	MCIMX7SABRE
Model No.(EUT):	MCIMX7SABRE
FCC ID:	2AFLY-MCIMX7SABRE
Standards:	47 CFR Part 15, Subpart E (2015)
Date of Receipt:	2016-03-10
Date of Test:	2016-03-23 to 2016-04-06
Date of Issue:	2016-04-18
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.

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2 Version

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
00		2016-04-18		Original

Authorized for issue by:				
Tested By		Peter Geng **(Peter Geng /Project Engineer**		2016-04-06 **Date**
Prepared By		Joyce Shi **(Joyce Shi) /Clerk**		2016-04-18 **Date**
Checked By		Eric Fu **(Eric Fu) /Reviewer**		2016-04-18 **Date**

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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

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5 General Information

5.1 Client Information

Applicant:	Embest Technology Co., Ltd
Address of Applicant:	Tower B 4/F, Shanshui Building, Nanshan Yungu Innovation Industry Park, Liuxian Ave, No,1183, Nanshan District, Shenzhen, Guangdong, China
Manufacturer:	Embest Technology Co., Ltd
Address of Manufacturer:	Tower B 4/F, Shanshui Building, Nanshan Yungu Innovation Industry Park, Liuxian Ave, No,1183, Nanshan District, Shenzhen, Guangdong, China
Factory:	Embest Technology Co., Ltd
Address of Factory:	Tower B 4/F, Shanshui Building, Nanshan Yungu Innovation Industry Park, Liuxian Ave, No,1183, Nanshan District, Shenzhen, Guangdong, China

5.2 General Description of EUT

Product Name:	MCIMX7SABRE			
Model No.:	MCIMX7SABRE			
Operation Frequency:	Band	Mode	Frequency Range(MHz)	Number of channels
	UNII Band I	IEEE 802.11a	5180-5240	4
		IEEE 802.11n/ac 20MHz	5180-5240	4
		IEEE 802.11n/ac 40MHz	5190-5230	2
		IEEE 802.11ac 80MHz	5210	1
	UNII Band II-A	IEEE 802.11a	5260-5320	4
		IEEE 802.11n/ac 20MHz	5260-5320	4
		IEEE 802.11n/ac 40MHz	5270-5310	2
		IEEE 802.11ac 80MHz	5290	1
	UNII Band II-C	IEEE 802.11a	5500-5700	11
		IEEE 802.11n/ac 20MHz	5500-5700	11
		IEEE 802.11n/ac 40MHz	5510-5670	5
		IEEE 802.11ac 80MHz	5530-5610	3
	UNII Band III	IEEE 802.11a	5745-5825	5
		IEEE 802.11n/ac 20MHz	5745-5825	5
		IEEE 802.11n/ac 40MHz	5755-5795	2
		IEEE 802.11ac 80MHz	5775	1
	* The 5600-5650MHz can not be used in Canada.			
Type of Modulation:	IEEE 802.11a: OFDM(BPSK/QPSK/16QAM/64QAM) IEEE 802.11n: OFDM(BPSK/QPSK/16QAM/64QAM) IEEE 802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)			
Sample Type:	Fixed production			
Antenna Type:	Integral			
Antenna Gain:	0dBi			
Power Supply	Model : WT0504000 INPUT: AC 100-240V, 50/60Hz OUTPUT: DC 5V, 4A			
Test Voltage:	AC 120V/60Hz			

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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/ac 20MHz	The Lowest channel	5180
	The Middle channel	5220
	The Highest channel	5240
IEEE 802.11n/ac 40MHz	The Lowest channel	5190
	The Highest channel	5230
IEEE 802.11ac 80MHz	One channel	5210

For UNII Band II-A:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5260
	The Middle channel	5280
	The Highest channel	5320
IEEE 802.11n/ac 40MHz	The Lowest channel	5270
	The Highest channel	5310
IEEE 802.11ac 80MHz	One channel	5290

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For UNII Band II-C:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n 20MHz	The Lowest channel	5500
	The Middle channel	5580
	The Highest channel	5700
IEEE 802.11n 40MHz	The Lowest channel	5510
	The Middle channel	5550
	The Highest channel	5670
IEEE 802.11ac 80MHz	The Lowest channel	5530
	The Middle channel	5610
	The Highest channel	5690

For UNII Band III:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5745
	The Middle channel	5785
	The Highest channel	5825
IEEE 802.11n/ac 40MHz	The Lowest channel	5755
	The Highest channel	5795
IEEE 802.11ac 80MHz	One channel	5775

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5.3 Test Environment and Mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	53 % RH
Atmospheric Pressure:	1020mbar
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.

Description	Manufacturer	Model No.	Serial No.
Laptop	Lenovo	T430u	REF. No.SEA1800
MITSUBISHI Television	MITSUBISHI	AX025	REF. No.SEA2600
U-disk	Color turn	UL4GHKXG	REF. No.SEA0100
Router	NETGEAR	DGN2200	REF. No.SEA2200
Earphone	PHILIPS	SHE6000	REF. No.SEA1000
Mini USB Cable	SANBO	SU-T21	REF. No.SEA0700
HDMI Cable	SGS	N/A	REF. No.SEA0900
Network Cable	SGS	N/A	REF. No.SEA1100

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.

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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)**

The 3m Semi-anechoic chambers and the 10m Semi-anechoic chambers 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-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.

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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	SEL0042	2015-05-13	2016-05-13
2	LISN	Rohde & Schwarz	ENV216	SEL0152	2015-10-09	2016-10-09
3	LISN	ETS-LINDGREN	3816/2	SEL0021	2015-05-13	2016-05-13
4	8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	SEL0162	2015-08-30	2016-08-30
5	4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	SEL0163	2015-08-30	2016-08-30
6	2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	SEL0164	2015-08-30	2016-08-30
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEL0022	2015-05-13	2016-05-13
8	Coaxial Cable	SGS	N/A	SEL0025	2015-05-13	2016-05-13
9	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-09	2016-10-09
10	Humidity/ Temperature Indicator	Shanhai Qixiang	ZJ1-2B	SEL0103	2015-10-24	2016-10-24
11	Barometer	Chang Chun	DYM3	SEL0088	2015-05-13	2016-05-13

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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	SEL0017	2015-05-13	2016-05-13
2	EMI Test Receiver	Agilent Technologies	N9038A	SEL0312	2015-09-16	2016-09-16
3	EMI Test software	AUDIX	E3	SEL0050	N/A	N/A
4	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEL0015	2014-11-15	2017-11-15
5	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEL0006	2015-10-17	2016-10-17
6	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEL0076	2014-11-24	2017-11-24
7	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEL0053	2015-05-13	2016-05-13
8	Pre-Amplifier (0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEL0168	2015-10-17	2016-10-17
9	Coaxial cable	SGS	N/A	SEL0027	2015-05-13	2016-05-13
10	Coaxial cable	SGS	N/A	SEL0189	2015-05-13	2016-05-13
11	Coaxial cable	SGS	N/A	SEL0121	2015-05-13	2016-05-13
12	Coaxial cable	SGS	N/A	SEL0178	2015-05-13	2016-05-13
13	Band filter	Amindeon	82346	SEL0094	2015-05-13	2016-05-13
14	Barometer	Chang Chun	DYM3	SEL0088	2015-05-13	2016-05-13
15	DC Power Supply	Zhao Xin	RXN-305D	SEL0117	2015-10-09	2016-10-09
16	Humidity/ Temperature Indicator	Shanhai Qixiang	ZJ1-2B	SEL0103	2015-10-24	2016-10-24
17	Signal Generator (10M-27GHz)	Rohde & Schwarz	SMR27	SEL0067	2015-05-13	2016-05-13
18	Loop Antenna	Beijing Daze	ZN30401	SEL0203	2015-05-13	2016-05-13

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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	Barometer	ChangChun	DYM3	SEM002-01	2015-05-13	2016-05-13
4	Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2016-04-25	2017-04-25
5	Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2015-10-09	2016-10-09

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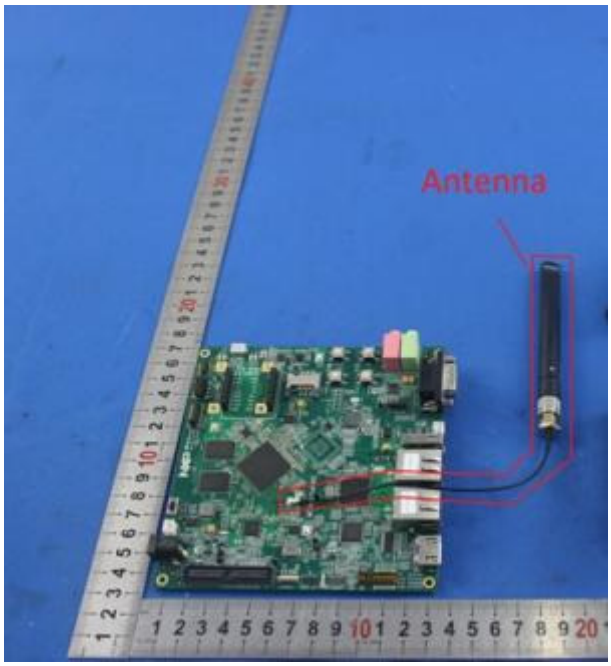
6 Test results and Measurement Data

6.1 Antenna Requirement

Standard requirement:	47 CFR Part 15C Section 15.203 /247(c)
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.	
The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 0dBi.	
	

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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.

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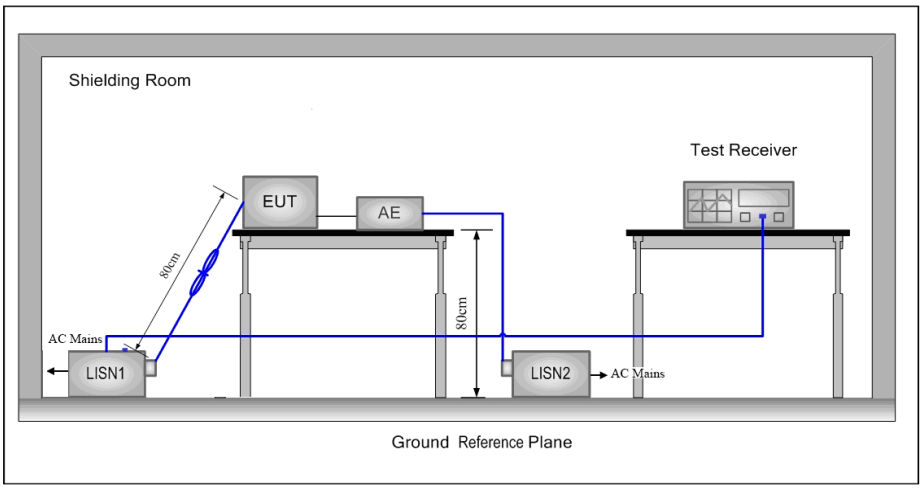
Test Setup:	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer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

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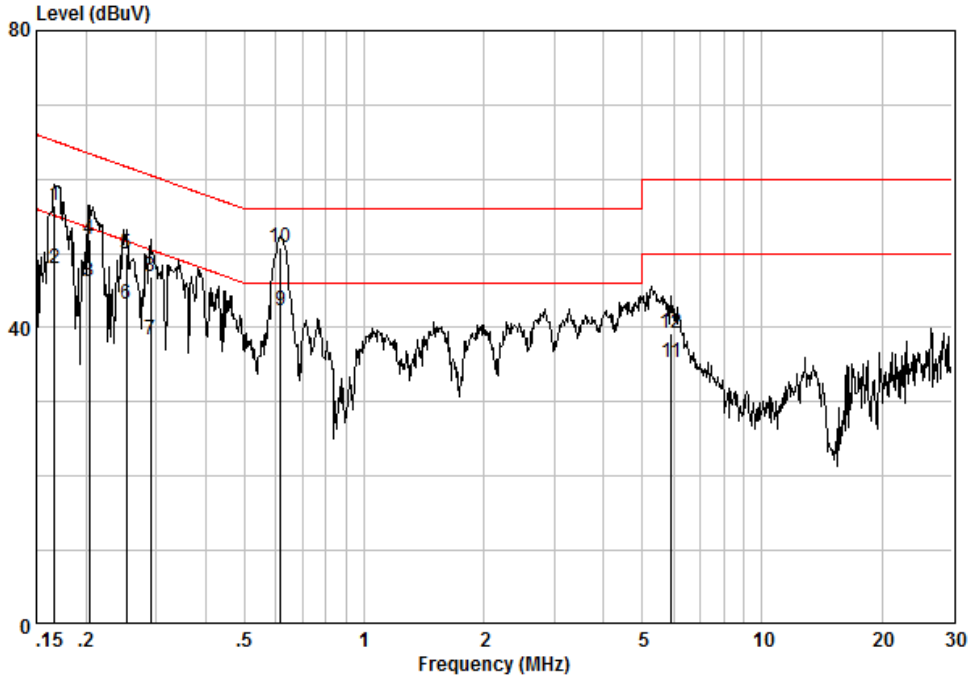
Measurement Data

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. : 0659CR
Test Mode : Tx mode(Wi-Fi)

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.16677	0.02	9.60	46.86	56.48	65.12	-8.64	QP
2	0.16677	0.02	9.60	38.23	47.85	55.12	-7.27	Average
3	0.20396	0.02	9.60	36.65	46.27	53.45	-7.18	Average
4	0.20396	0.02	9.60	42.30	51.92	63.45	-11.53	QP
5	0.25211	0.02	9.60	40.21	49.82	61.69	-11.86	QP
6	0.25211	0.02	9.60	33.58	43.19	51.69	-8.49	Average
7	0.29088	0.01	9.59	28.85	38.45	50.50	-12.05	Average
8	0.29088	0.01	9.59	37.22	46.82	60.50	-13.68	QP
9 @	0.61726	0.02	9.61	32.58	42.21	46.00	-3.79	Average
10	0.61726	0.02	9.61	41.26	50.89	56.00	-5.11	QP
11	5.929	0.01	9.67	25.71	35.39	50.00	-14.61	Average
12	5.929	0.01	9.67	29.49	39.16	60.00	-20.84	QP

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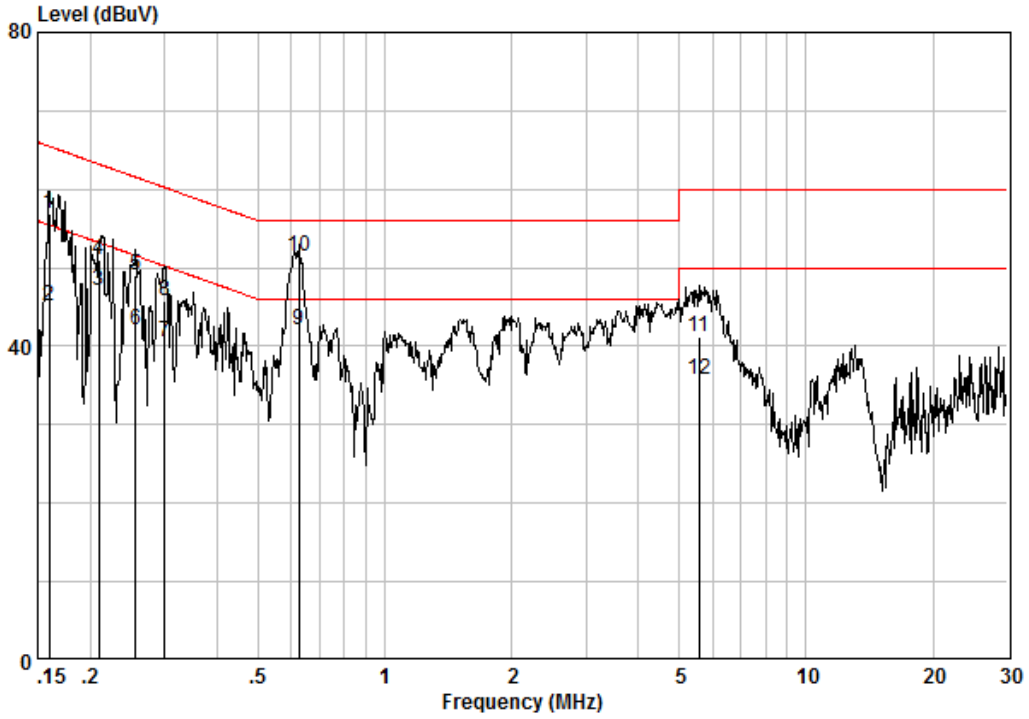
Neutral Line:



Site : Shielding Room
Condition : CE NEUTRAL
Job No. : 0659CR
Test Mode : Tx mode(Wi-Fi)

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15985	0.02	9.61	47.32	56.95	65.47	-8.52	QP
2	0.15985	0.02	9.61	35.46	45.09	55.47	-10.39	Average
3	0.20944	0.02	9.62	37.56	47.19	53.23	-6.04	Average
4	0.20944	0.02	9.62	41.32	50.95	63.23	-12.28	QP
5	0.25615	0.02	9.61	39.35	48.97	61.56	-12.58	QP
6	0.25615	0.02	9.61	32.35	41.97	51.56	-9.58	Average
7	0.30028	0.01	9.62	30.83	40.46	50.24	-9.77	Average
8	0.30028	0.01	9.62	36.13	45.76	60.24	-14.48	QP
9	0.62383	0.02	9.63	32.50	42.15	46.00	-3.85	Average
10	0.62383	0.02	9.63	41.85	51.49	56.00	-4.51	QP
11	5.564	0.01	9.73	31.40	41.13	60.00	-18.87	QP
12	5.564	0.01	9.73	25.97	35.71	50.00	-14.29	Average

Notes:

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

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

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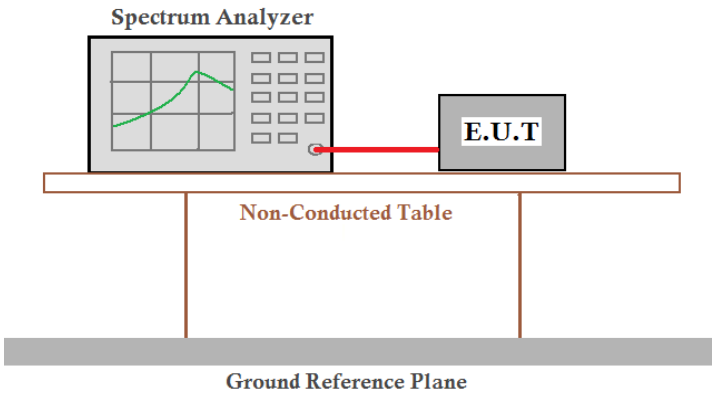
6.3 Conducted Output Power

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, 6Mbps of rate is the worst case of 802.11a; 6.5Mbps of rate is the worst case of 802.11n(HT20); 6.5Mbps of rate is the worst case of 802.11ac 20; 13.5Mbps of rate is the worst case of 802.11n(HT40); 13.5Mbps of rate is the worst case of 802.11ac 40; 29.2Mbps of rate is the worst case of 802.11ac 80.	
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	

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Pre-scan under all rate at lowest channel 1

Mode	802.11a Band I							
Data Rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
Power (dBm)	11.83	11.77	11.76	11.71	11.68	11.67	11.62	11.60
Mode	802.11a Band II							
Data Rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
Power (dBm)	13.89	13.86	13.84	13.78	13.72	13.71	13.69	13.66
Mode	802.11a Band III							
Data Rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
Power (dBm)	12.48	12.42	12.41	12.34	12.33	12.31	12.29	12.27
Mode	802.11a Band IV							
Data Rate	6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps
Power (dBm)	11.80	11.75	11.70	11.66	11.62	11.61	11.59	11.57
Mode	802.11n (HT20) Band I							
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps
Power (dBm)	11.76	11.71	11.70	11.65	11.60	11.55	11.52	11.48
Mode	802.11n (HT20) Band II							
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps
Power (dBm)	13.98	13.92	13.89	13.88	13.87	13.84	13.79	13.77
Mode	802.11n (HT20) Band III							
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps
Power (dBm)	12.57	12.55	12.54	12.50	12.43	12.36	12.30	12.23
Mode	802.11n (HT20) Band IV							
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps
Power (dBm)	11.94	11.93	11.90	11.86	11.80	11.74	11.70	11.65

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Mode	802.11ac 20 Band I									
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps	78MHz	86.7MHz
Power (dBm)	10.32	10.27	10.20	10.19	10.16	10.11	10.10	10.09	10.07	10.02
Mode	802.11ac 20 Band II									
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps	78MHz	86.7MHz
Power (dBm)	11.89	11.83	11.76	11.69	11.62	11.55	11.52	11.49	11.35	11.29
Mode	802.11ac 20 Band III									
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps	78MHz	86.7MHz
Power (dBm)	13.12	13.05	13.03	12.97	12.90	12.88	12.82	12.77	12.72	12.69
Mode	802.11ac 20 Band IV									
Data Rate	6.5Mbps	13Mbps	19.5Mbps	26Mbps	39Mbps	52Mbps	58.5Mbps	65Mbps	78MHz	86.7MHz
Power (dBm)	13.47	13.46	13.44	13.41	13.35	13.33	13.28	13.25	13.21	13.18
Mode	802.11n (HT40) Band I									
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps		
Power (dBm)	10.71	10.64	10.63	10.56	10.52	10.48	10.46	10.44		
Mode	802.11n (HT40) Band II									
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps		
Power (dBm)	12.43	12.37	12.33	12.27	12.20	12.15	12.09	12.08		
Mode	802.11n (HT40) Band III									
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps		
Power (dBm)	13.42	13.39	13.35	13.29	13.22	13.15	13.13	13.11		
Mode	802.11n (HT40) Band IV									
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps		
Power (dBm)	13.49	13.48	13.41	13.39	13.36	13.31	13.27	13.24		

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Mode	802.11ac 40 Band I									
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps	162MHz	180MHz
Power (dBm)	10.71	10.70	10.64	10.62	10.60	10.56	10.53	10.48	10.34	10.26
Mode	802.11ac 40 Band II									
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps	162MHz	180MHz
Power (dBm)	12.45	12.42	12.35	12.29	12.25	12.23	12.22	12.17	12.06	12.01
Mode	802.11ac 40 Band III									
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps	162MHz	180MHz
Power (dBm)	13.31	13.26	13.20	13.17	13.10	13.04	13.00	12.98	12.88	12.79
Mode	802.11ac 40 Band IV									
Data Rate	13.5Mbps	27Mbps	40.5Mbps	54Mbps	81Mbps	108Mbps	121.5Mbps	135Mbps	162MHz	180MHz
Power (dBm)	13.56	13.53	13.52	13.49	13.48	13.41	13.40	13.34	13.32	13.25
Mode	802.11ac 80 Band I									
Data Rate	29.2Mbps	58.5Mbps	87.8Mbps	117Mbps	175.5Mbps	234Mbps	263.2Mbps	292.5Mbps	351Mbps	390Mbps
Power (dBm)	12.21	12.19	12.12	12.06	12.01	11.95	11.90	11.85	11.78	11.72
Mode	802.11ac 80 Band II									
Data Rate	29.2Mbps	58.5Mbps	87.8Mbps	117Mbps	175.5Mbps	234Mbps	263.2Mbps	292.5Mbps	351Mbps	390Mbps
Power (dBm)	11.21	11.17	11.14	11.08	11.07	11.01	10.97	10.93	10.87	10.76
Mode	802.11ac 80 Band III									
Data Rate	29.2Mbps	58.5Mbps	87.8Mbps	117Mbps	175.5Mbps	234Mbps	263.2Mbps	292.5Mbps	351Mbps	390Mbps
Power (dBm)	13.81	13.75	13.68	13.61	13.55	13.54	13.52	13.49	13.35	13.31
Mode	802.11ac 80 Band IV									
Data Rate	29.2Mbps	58.5Mbps	87.8Mbps	117Mbps	175.5Mbps	234Mbps	263.2Mbps	292.5Mbps	351Mbps	390Mbps
Power (dBm)	13.38	13.37	13.36	13.30	13.23	13.21	13.17	13.11	13.09	13.02

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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); 6.5Mbps of rate is the worst case of 802.11ac 20; 13.5Mbps of rate is the worst case of 802.11n(HT40); 13.5Mbps of rate is the worst case of 802.11ac 40; 29.2Mbps of rate is the worst case of 802.11ac 80.

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Measurement Data:

802.11a mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	11.83	24.00	Pass
5200	12.61	24.00	Pass
5240	13.52	24.00	Pass
5260	13.89	24.00	Pass
5300	13.71	24.00	Pass
5320	13.42	24.00	Pass
5500	12.48	24.00	Pass
5580	13.28	24.00	Pass
5600	13.35	24.00	Pass
5700	12.59	24.00	Pass
5745	11.80	30.00	Pass
5785	10.35	30.00	Pass
5825	9.25	30.00	Pass

802.11 n20 mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	11.76	24.00	Pass
5200	12.65	24.00	Pass
5240	13.57	24.00	Pass
5260	13.98	24.00	Pass
5300	13.87	24.00	Pass
5320	13.63	24.00	Pass
5500	12.57	24.00	Pass
5580	13.45	24.00	Pass
5600	13.45	24.00	Pass
5700	12.72	30.00	Pass
5745	11.94	30.00	Pass
5785	10.60	30.00	Pass
5825	9.49	30.00	Pass

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802.11ac 20 mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	10.32	24.00	Pass
5220	10.47	24.00	Pass
5240	11.44	24.00	Pass
5260	11.89	24.00	Pass
5300	12.51	24.00	Pass
5320	12.53	24.00	Pass
5500	13.12	24.00	Pass
5580	13.07	24.00	Pass
5600	12.96	24.00	Pass
5700	13.28	24.00	Pass
5745	13.47	30.00	Pass
5785	13.11	30.00	Pass
5825	12.63	30.00	Pass

802.11 n40 mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5190	10.71	24.00	Pass
5230	11.43	24.00	Pass
5270	12.43	24.00	Pass
5310	12.82	24.00	Pass
5510	13.42	24.00	Pass
5550	13.25	24.00	Pass
5590	13.24	24.00	Pass
5670	13.48	24.00	Pass
5755	13.49	24.00	Pass
5795	13.02	30.00	Pass

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802.11ac 40 mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5190	10.71	24.00	Pass
5230	11.42	24.00	Pass
5270	12.45	24.00	Pass
5310	12.56	24.00	Pass
5510	13.31	24.00	Pass
5550	13.05	24.00	Pass
5590	13.10	24.00	Pass
5670	13.30	24.00	Pass
5755	13.56	30.00	Pass
5795	13.22	30.00	Pass

802.11ac 80 mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5210	12.21	24.00	Pass
5290	11.21	24.00	Pass
5530	13.81	24.00	Pass
5610	12.21	24.00	Pass
5690	11.02	24.00	Pass
5775	13.38	30.00	Pass

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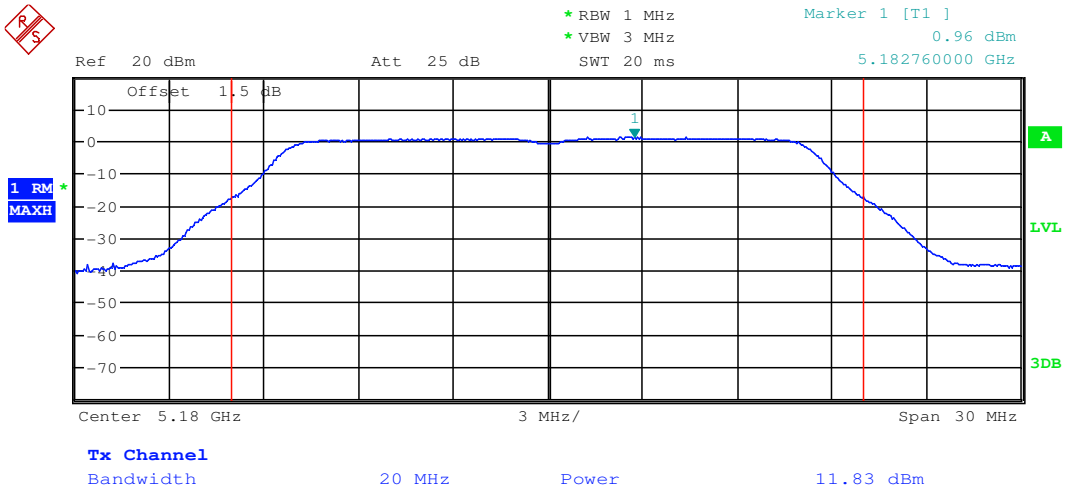
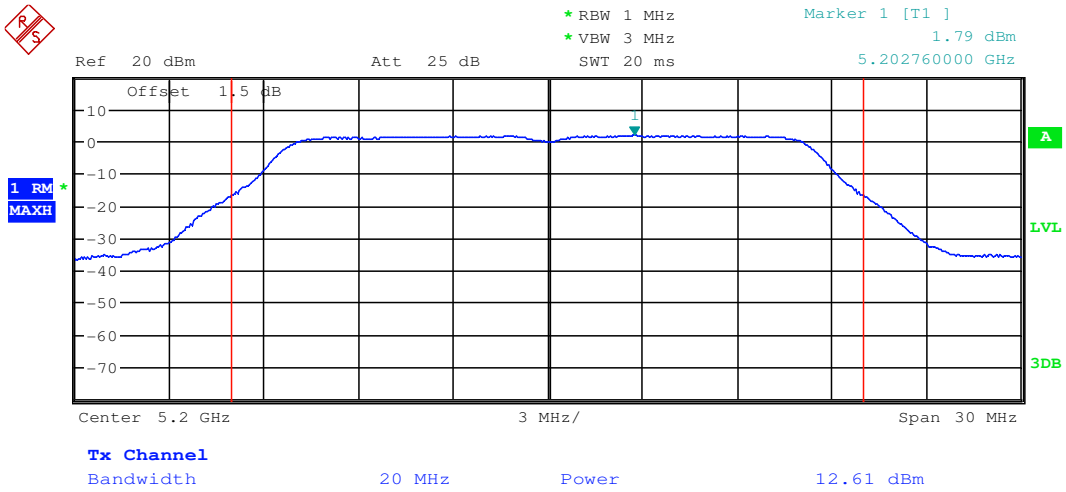
Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180



Test mode:	802.11a	Frequency(MHz):	5200



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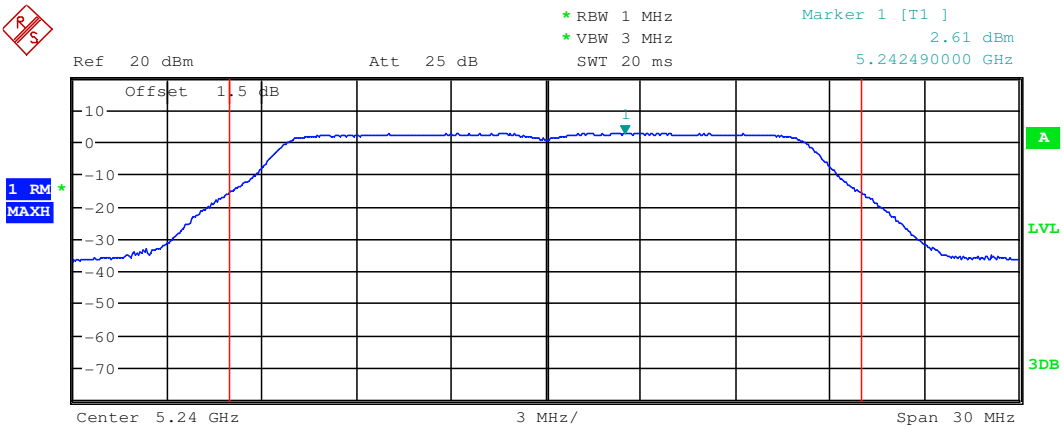
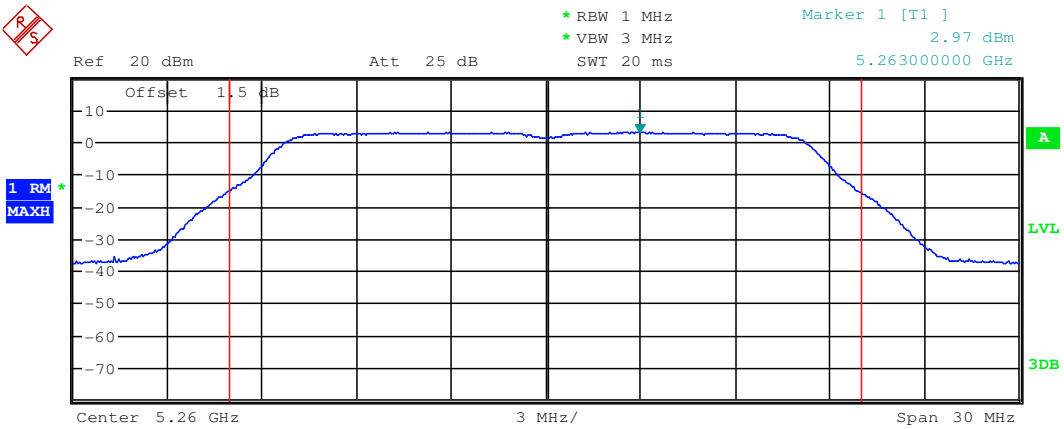
Test mode:	802.11a	Frequency(MHz):	5240



Tx Channel
Bandwidth 20 MHz Power 13.52 dBm

Test mode:	802.11a	Frequency(MHz):	5260



Tx Channel
Bandwidth 20 MHz Power 13.89 dBm

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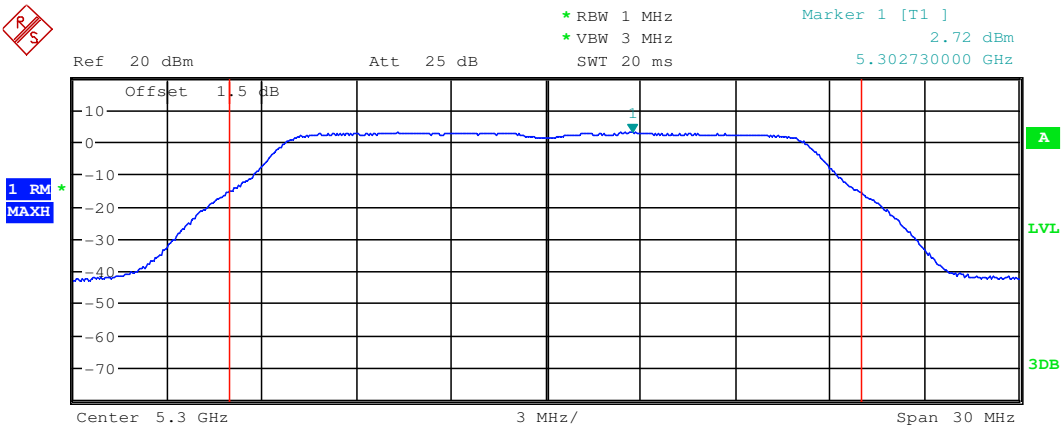
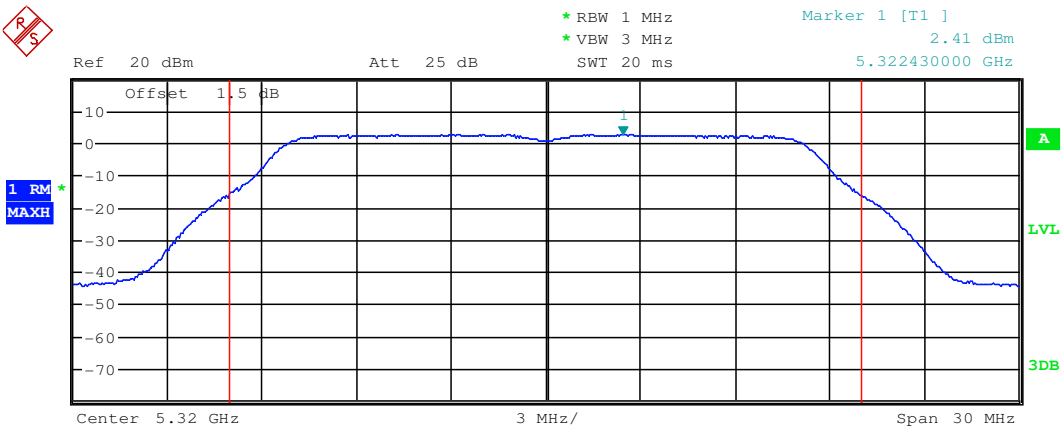
Test mode:	802.11a	Frequency(MHz):	5300



Tx Channel
Bandwidth 20 MHz Power 13.71 dBm

Test mode:	802.11a	Frequency(MHz):	5320



Tx Channel
Bandwidth 20 MHz Power 13.42 dBm

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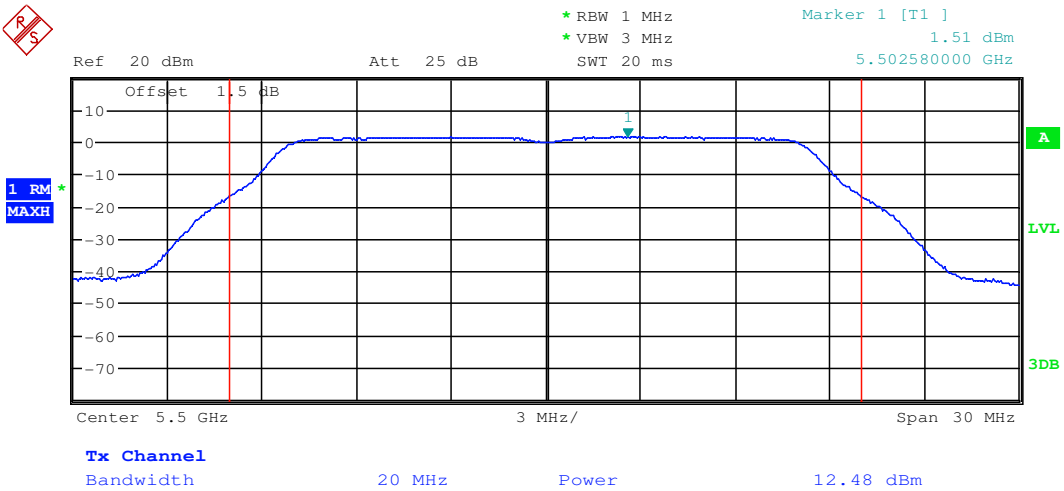
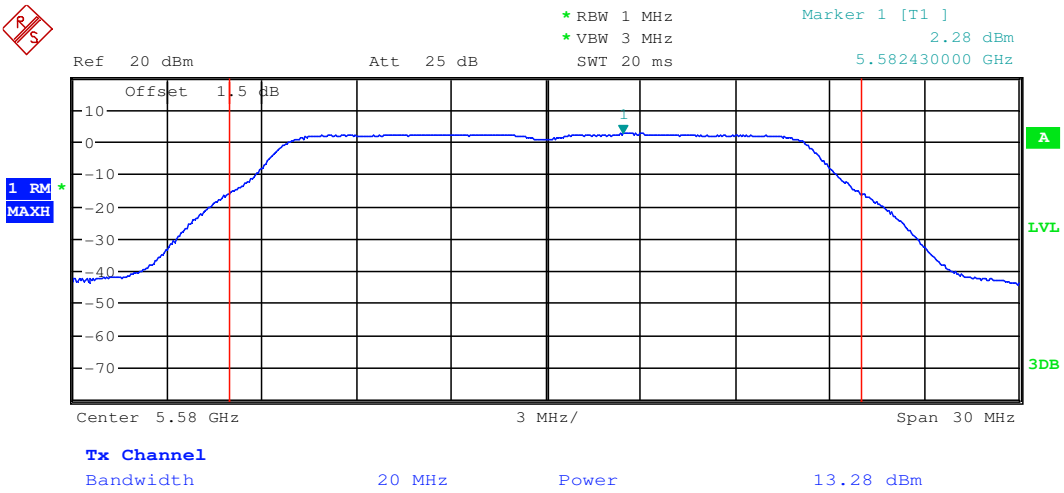
Test mode:	802.11a	Frequency(MHz):	5500



Test mode:	802.11a	Frequency(MHz):	5580



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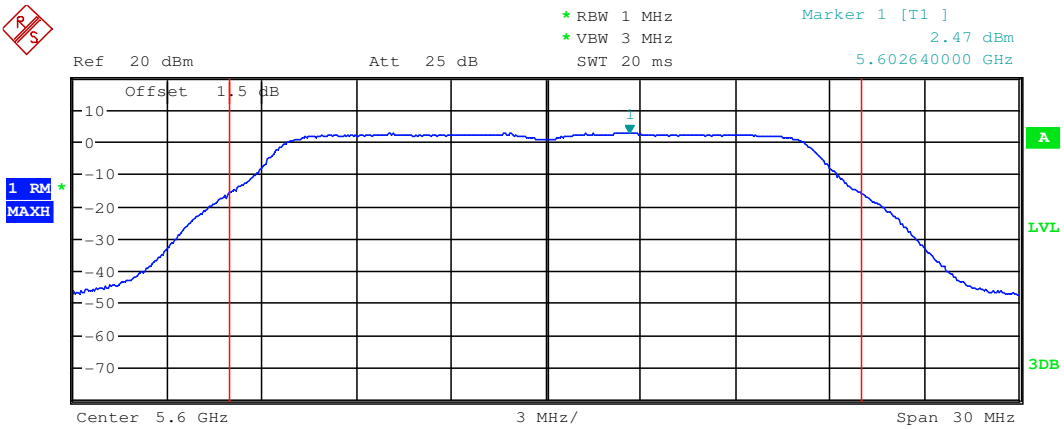
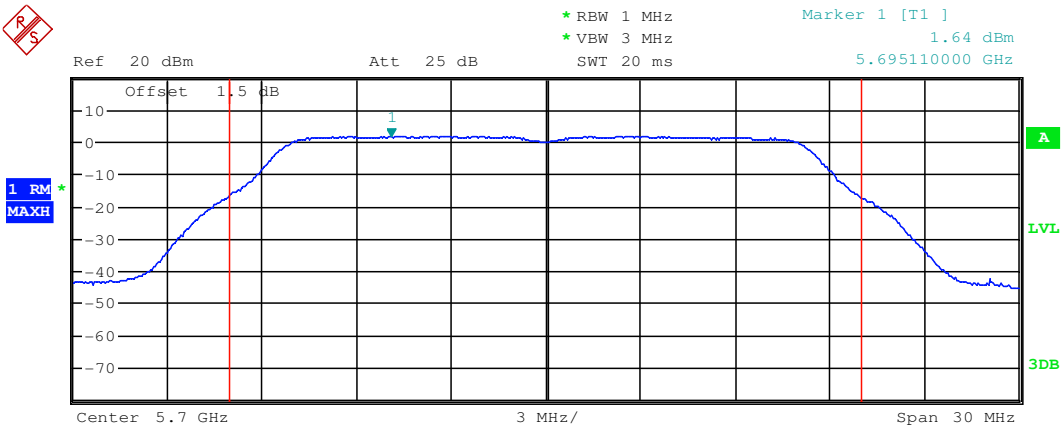
Test mode:	802.11a	Frequency(MHz):	5600



Tx Channel
Bandwidth 20 MHz Power 13.35 dBm

Test mode:	802.11a	Frequency(MHz):	5700



Tx Channel
Bandwidth 20 MHz Power 12.59 dBm

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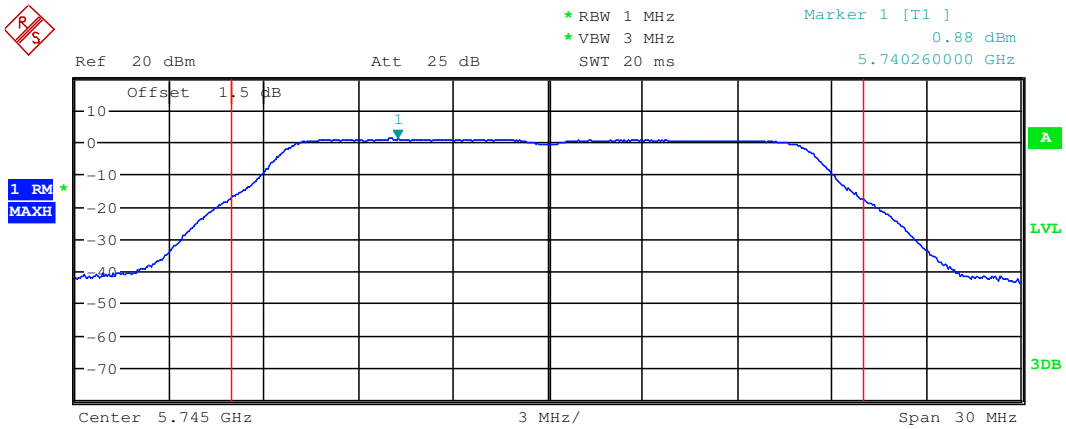
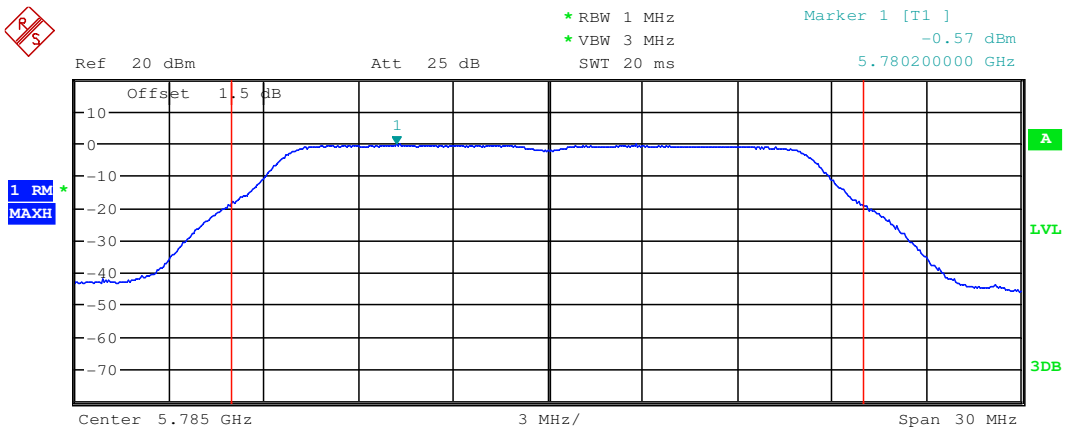
Test mode:	802.11a	Frequency(MHz):	5745



Tx Channel
Bandwidth 20 MHz Power 11.80 dBm

Test mode:	802.11a	Frequency(MHz):	5785



Tx Channel
Bandwidth 20 MHz Power 10.35 dBm

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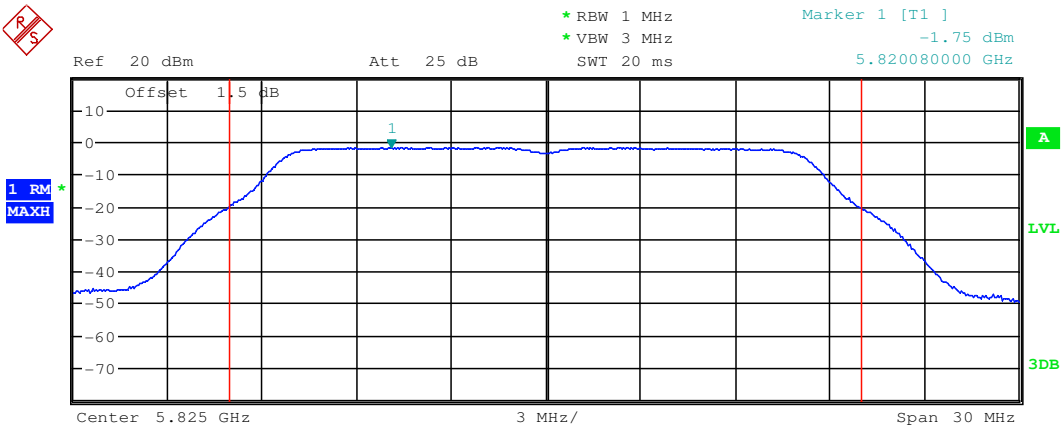
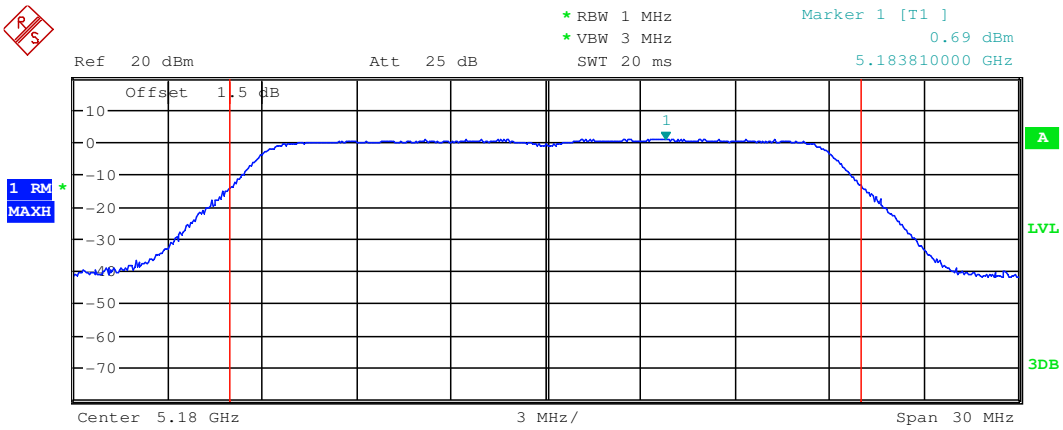
Test mode:	802.11a	Frequency(MHz):	5825



Tx Channel
Bandwidth 20 MHz Power 9.25 dBm

Test mode:	802.11 n20	Frequency(MHz):	5180



Tx Channel
Bandwidth 20 MHz Power 11.76 dBm

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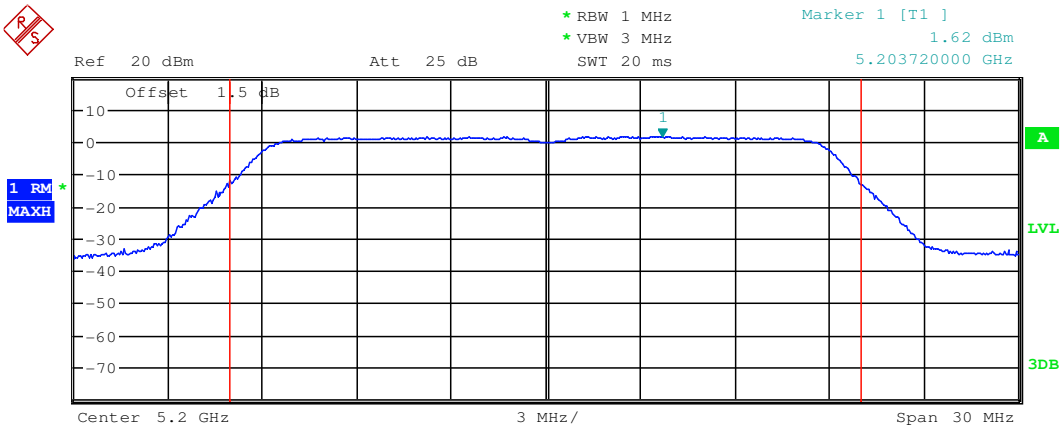
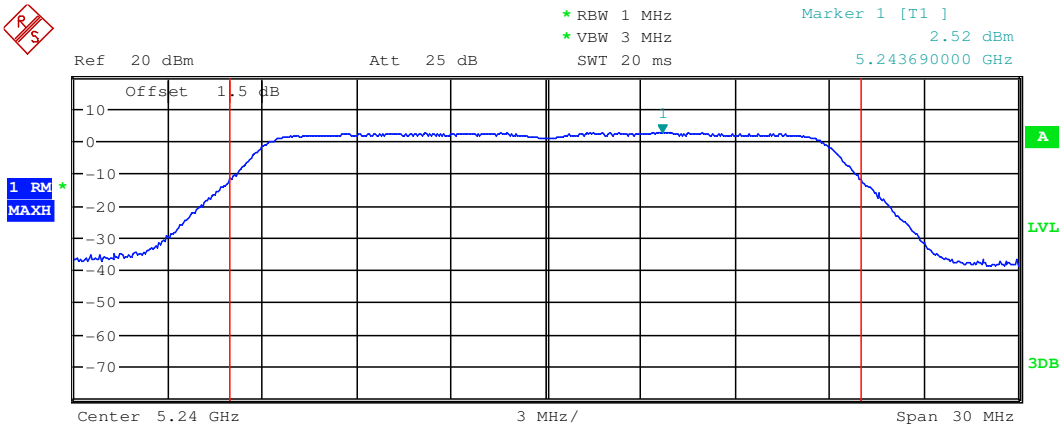
Test mode:	802.11 n20	Frequency(MHz):	5200



Tx Channel
Bandwidth 20 MHz Power 12.65 dBm

Test mode:	802.11 n20	Frequency(MHz):	5240



Tx Channel
Bandwidth 20 MHz Power 13.57 dBm

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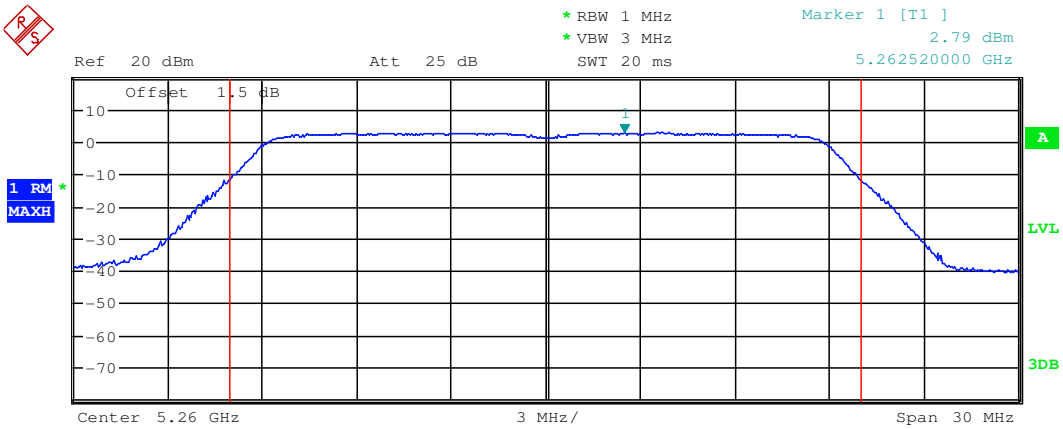
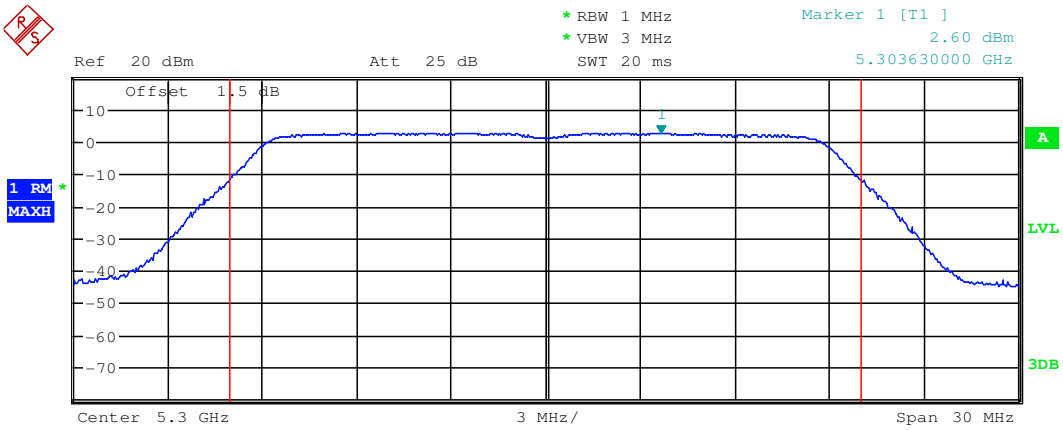
Test mode:	802.11 n20	Frequency(MHz):	5260



Tx Channel
Bandwidth 20 MHz Power 13.98 dBm

Test mode:	802.11 n20	Frequency(MHz):	5300



Tx Channel
Bandwidth 20 MHz Power 13.87 dBm

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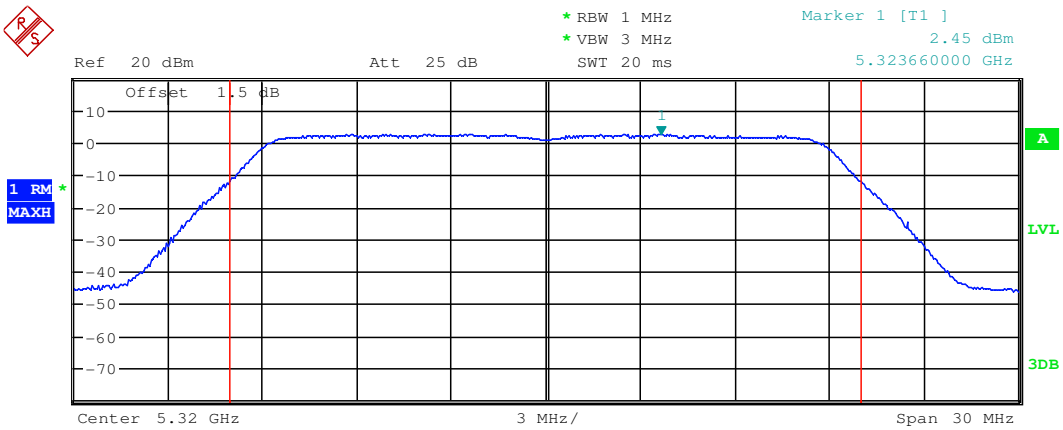
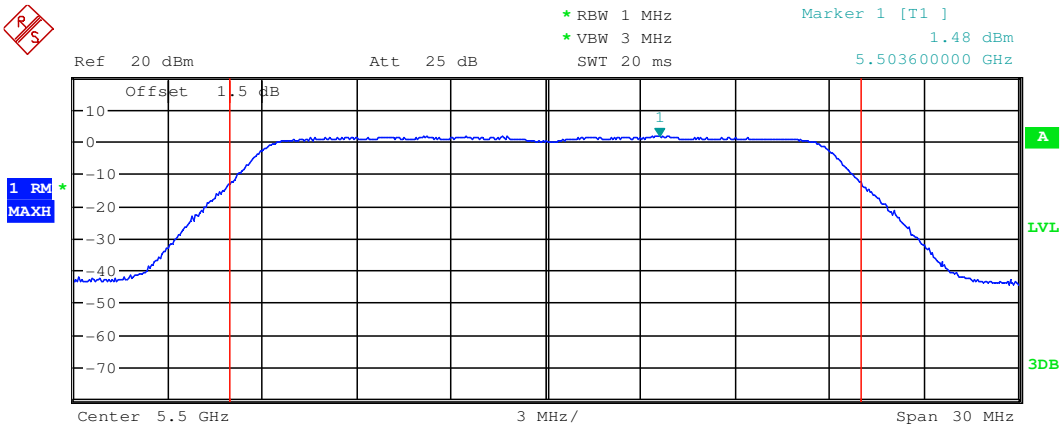
Test mode:	802.11 n20	Frequency(MHz):	5320



Tx Channel
Bandwidth 20 MHz Power 13.63 dBm

Test mode:	802.11 n20	Frequency(MHz):	5500



Tx Channel
Bandwidth 20 MHz Power 12.57 dBm

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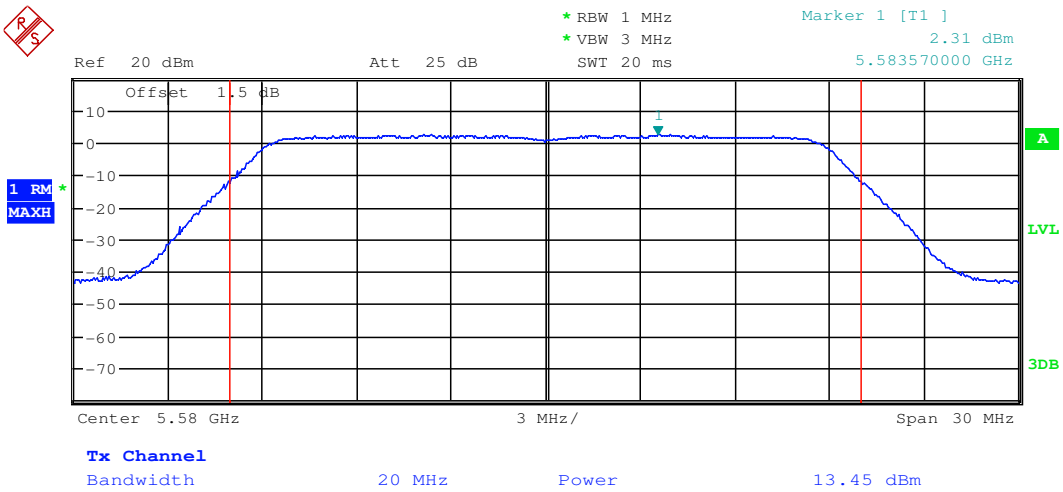
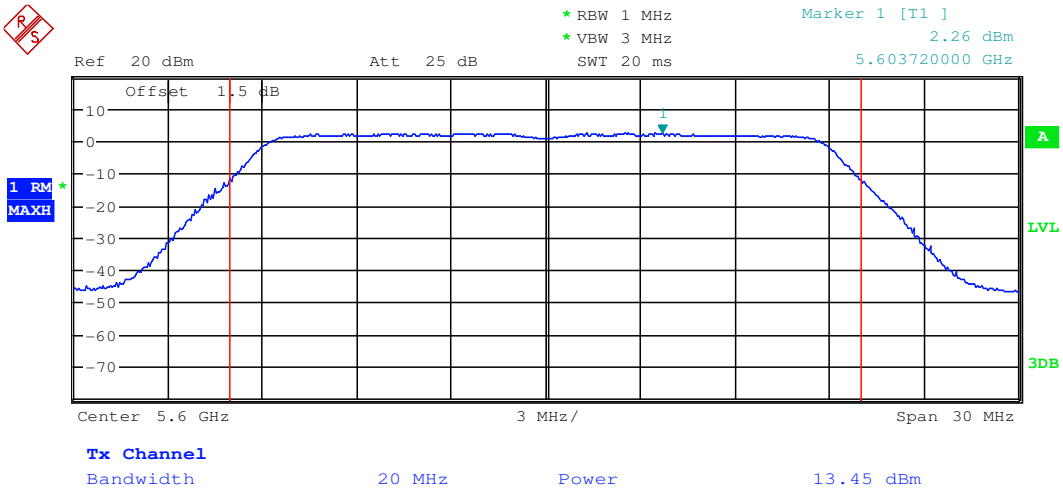
Test mode:	802.11 n20	Frequency(MHz):	5580



Test mode:	802.11 n20	Frequency(MHz):	5600



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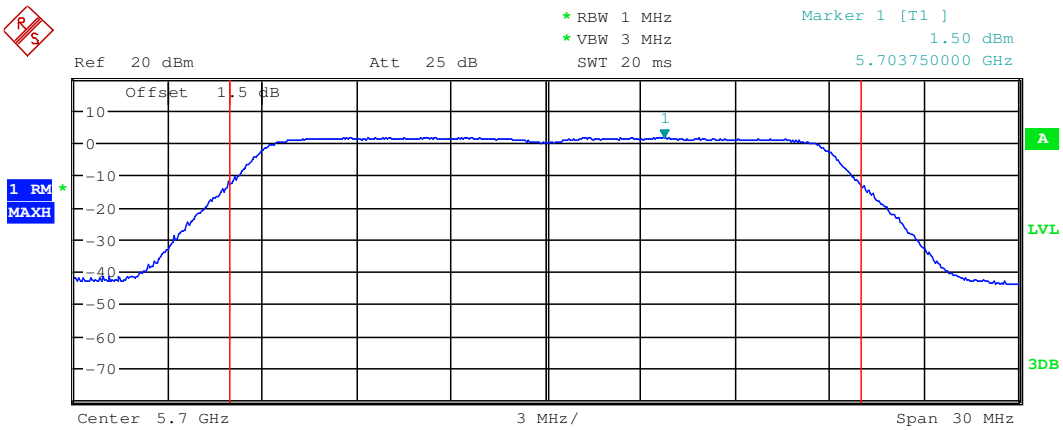
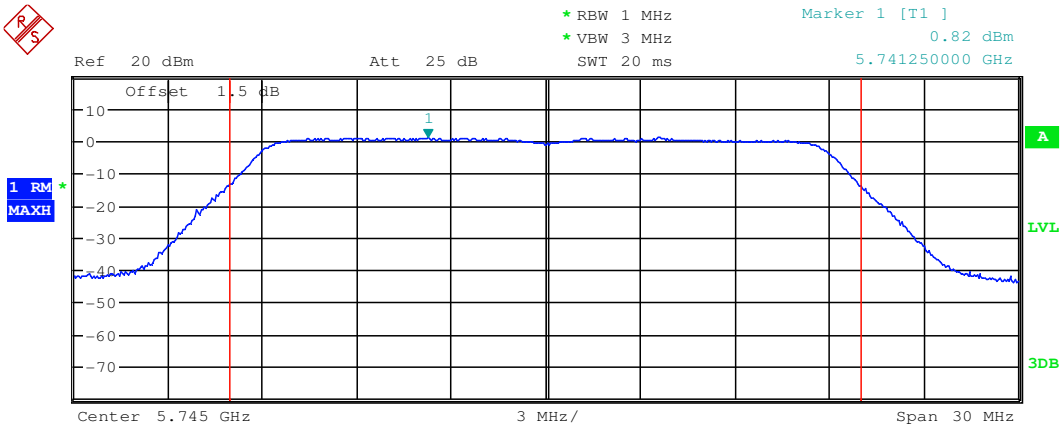
Test mode:	802.11 n20	Frequency(MHz):	5700



Tx Channel
Bandwidth 20 MHz Power 12.72 dBm

Test mode:	802.11 n20	Frequency(MHz):	5745



Tx Channel
Bandwidth 20 MHz Power 11.94 dBm

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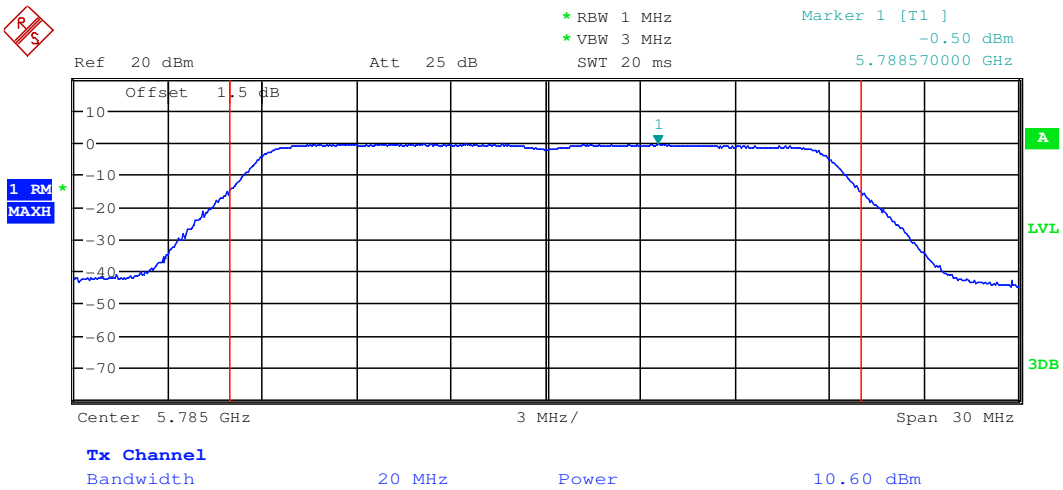
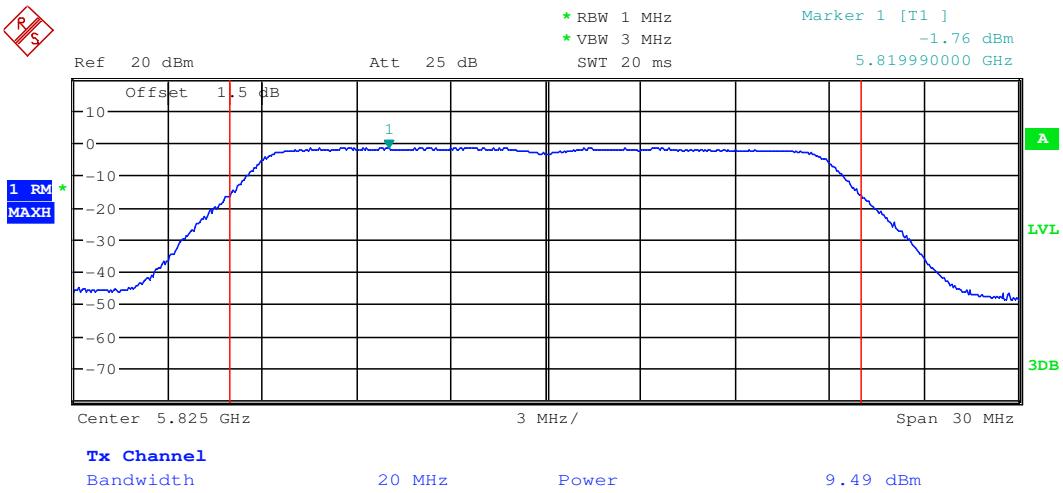
Test mode:	802.11 n20	Frequency(MHz):	5785



Test mode:	802.11 n20	Frequency(MHz):	5825



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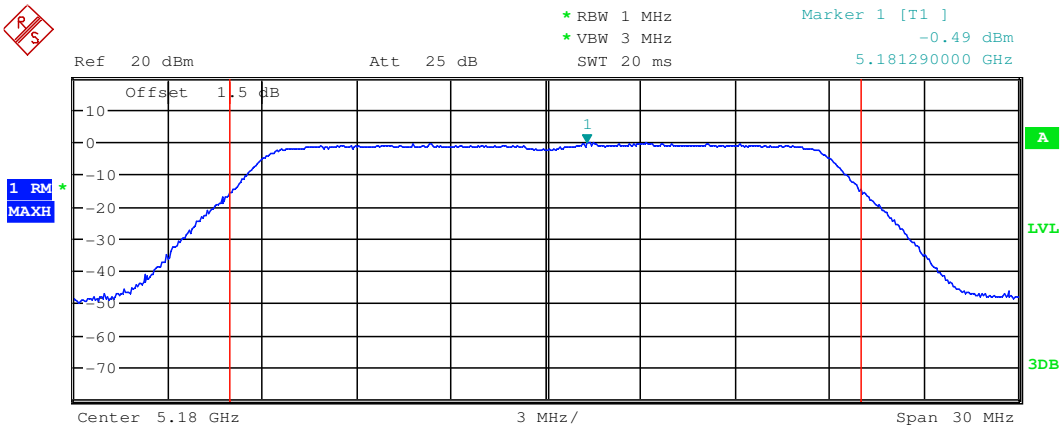
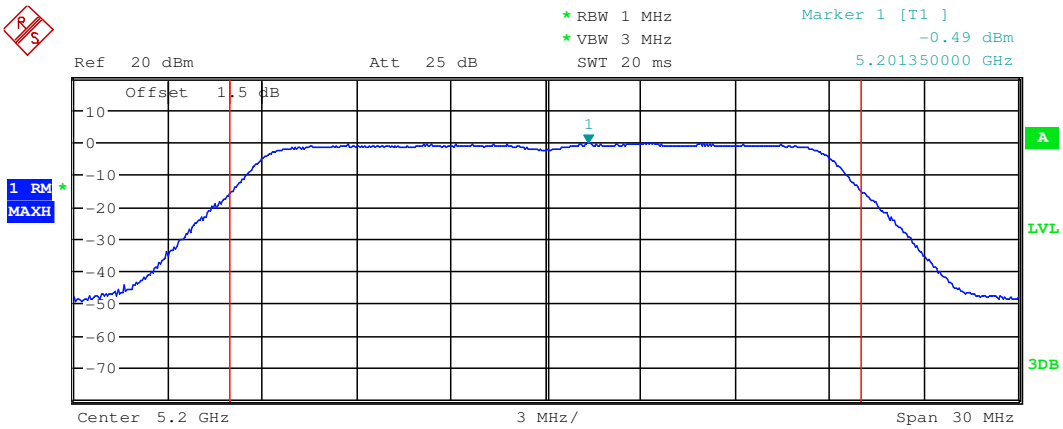
Test mode:	802.11 ac20	Frequency(MHz):	5180



Tx Channel
Bandwidth 20 MHz Power 10.32 dBm

Test mode:	802.11 ac20	Frequency(MHz):	5200



Tx Channel
Bandwidth 20 MHz Power 10.47 dBm

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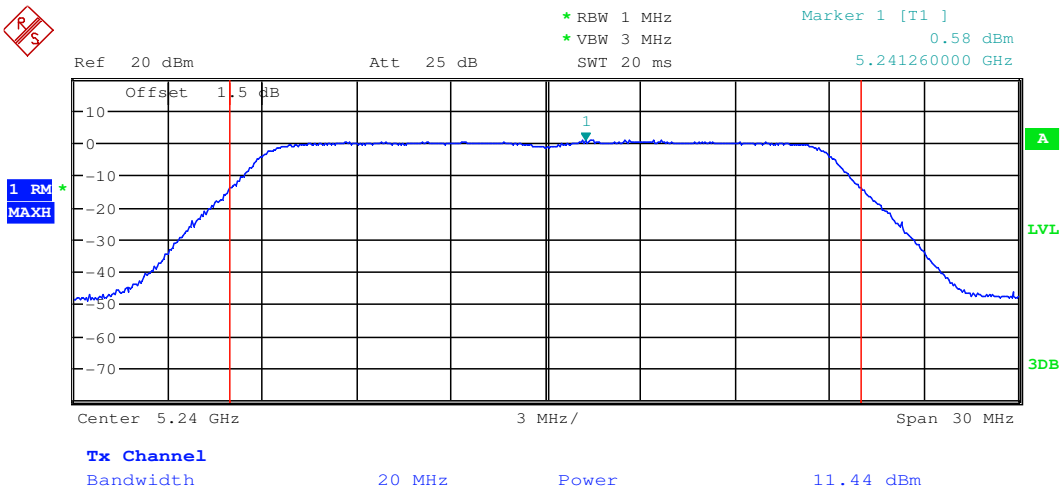
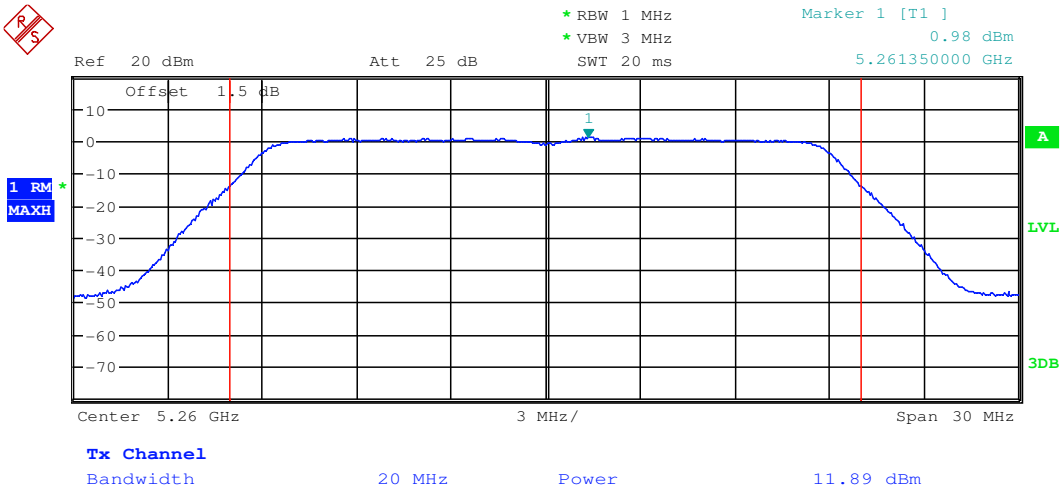
Test mode:	802.11 ac20	Frequency(MHz):	5240



Test mode:	802.11 ac20	Frequency(MHz):	5260



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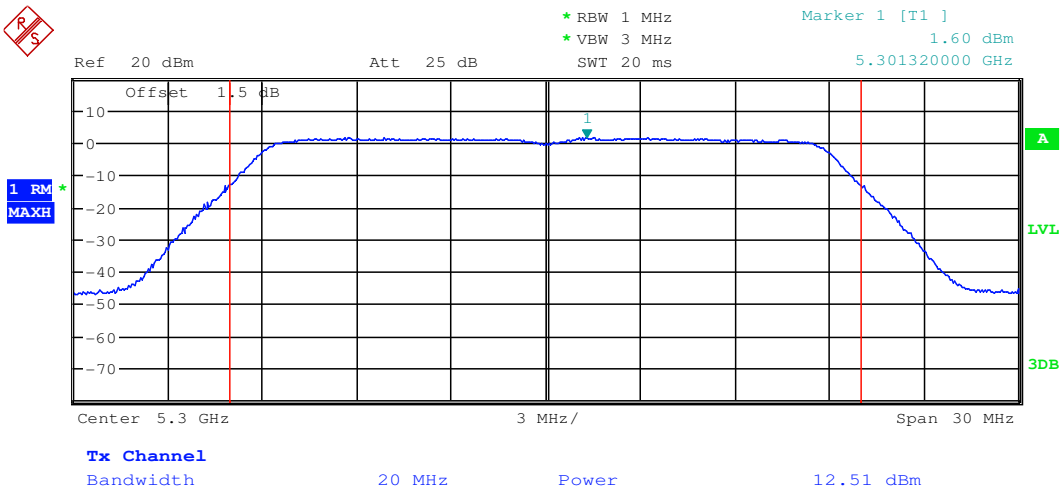
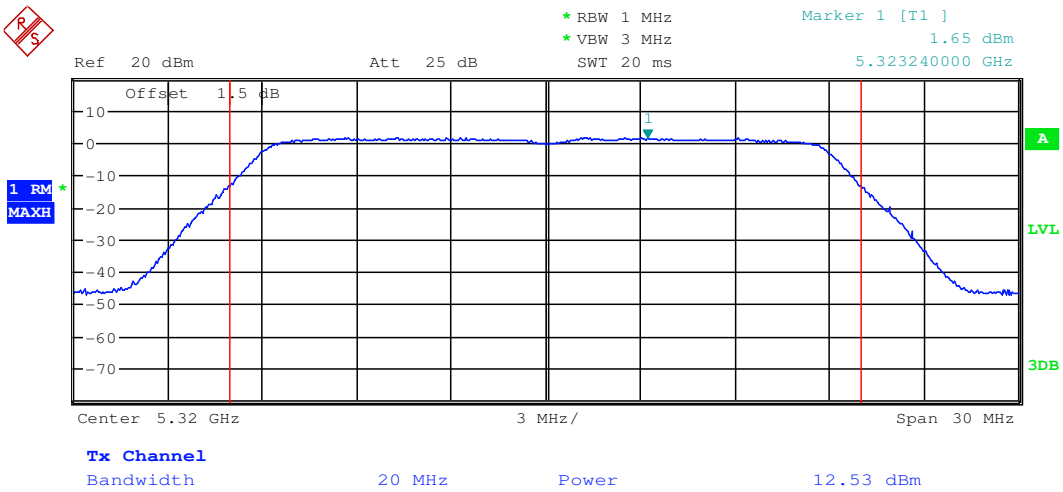
Test mode:	802.11 ac20	Frequency(MHz):	5300



Test mode:	802.11 ac20	Frequency(MHz):	5320



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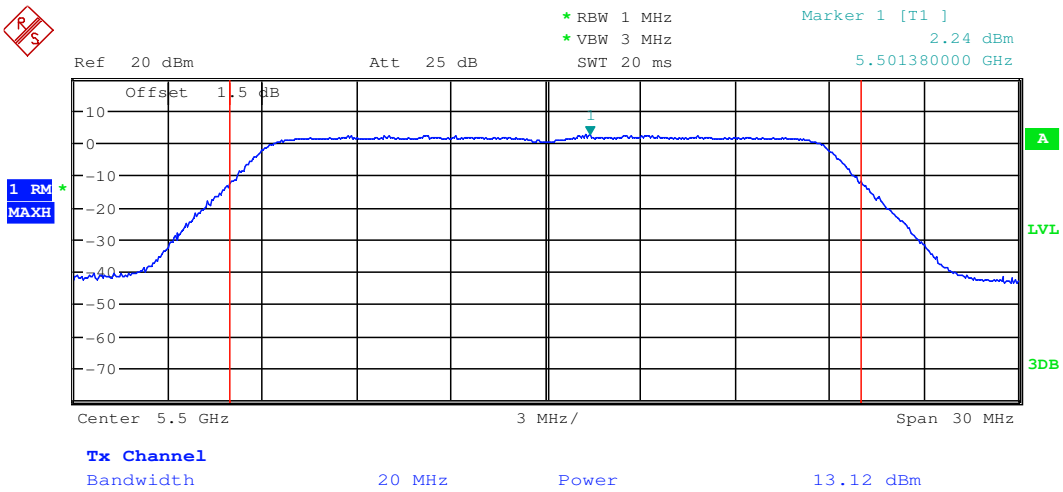
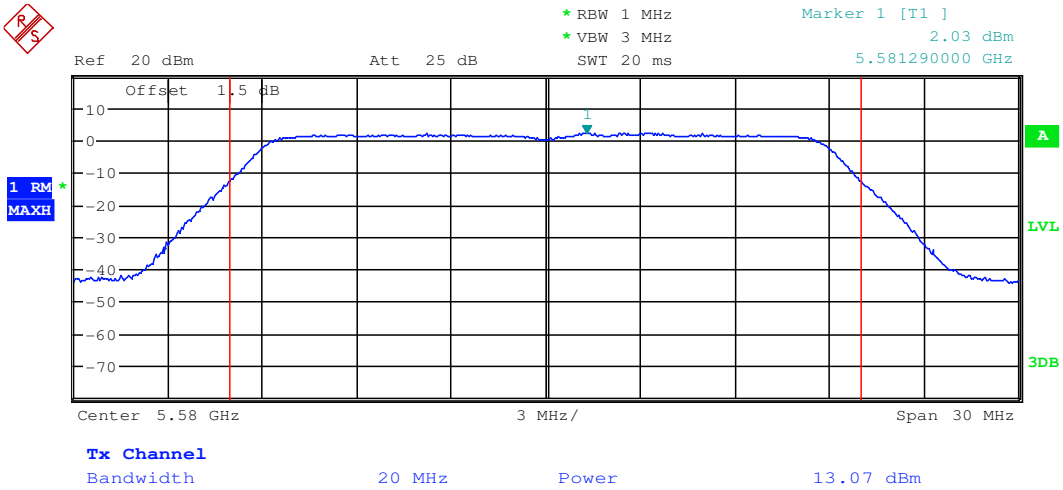
Test mode:	802.11 ac20	Frequency(MHz):	5500



Test mode:	802.11 ac20	Frequency(MHz):	5580



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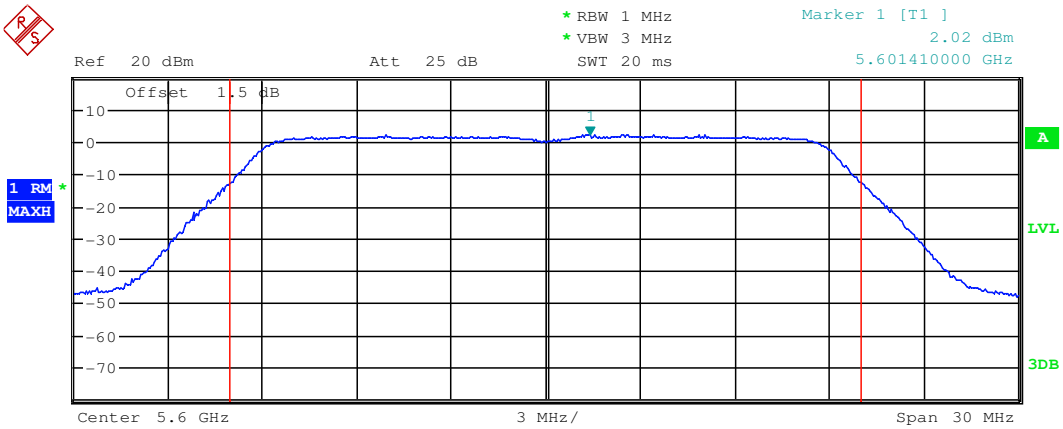
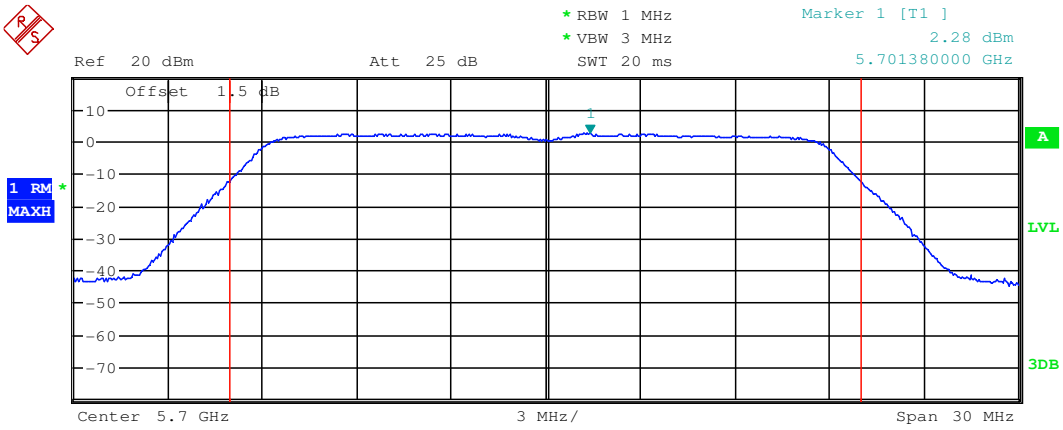
Test mode:	802.11 ac20	Frequency(MHz):	5600



Tx Channel
Bandwidth 20 MHz Power 12.96 dBm

Test mode:	802.11 ac20	Frequency(MHz):	5700



Tx Channel
Bandwidth 20 MHz Power 13.28 dBm

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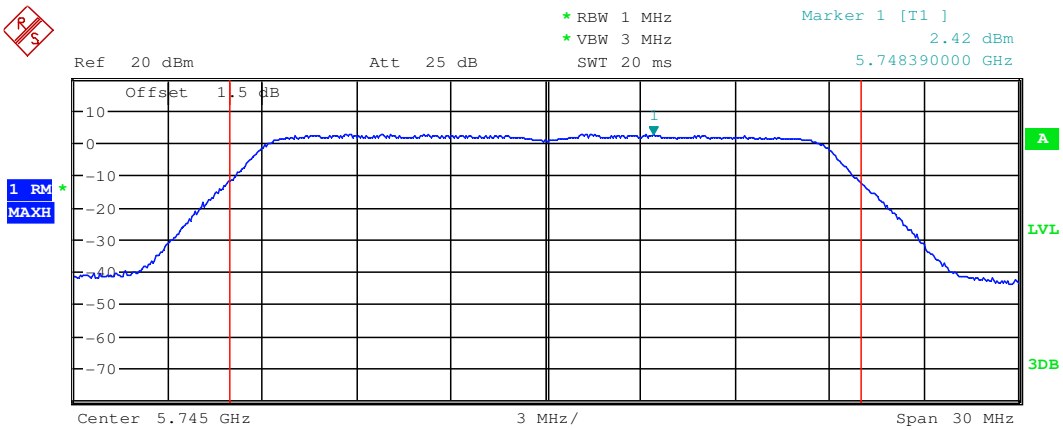
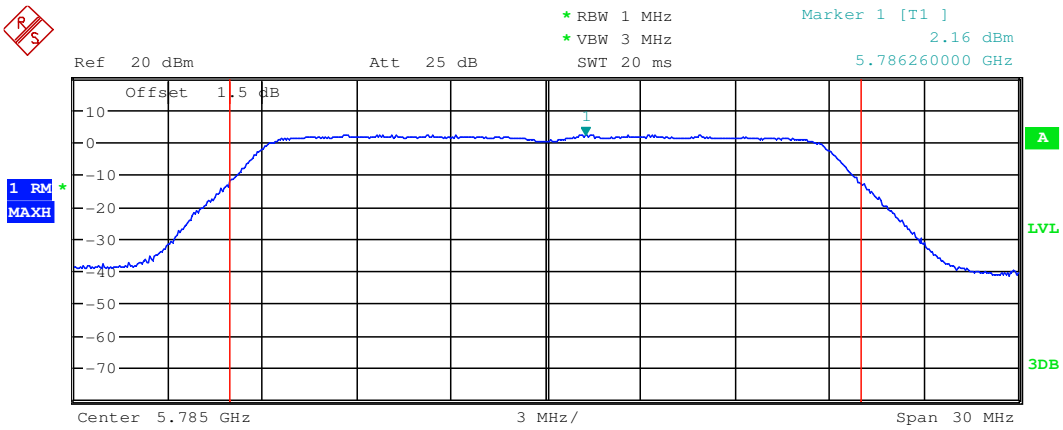
Test mode:	802.11 ac20	Frequency(MHz):	5745



Tx Channel
Bandwidth 20 MHz Power 13.47 dBm

Test mode:	802.11 ac20	Frequency(MHz):	5785



Tx Channel
Bandwidth 20 MHz Power 13.11 dBm

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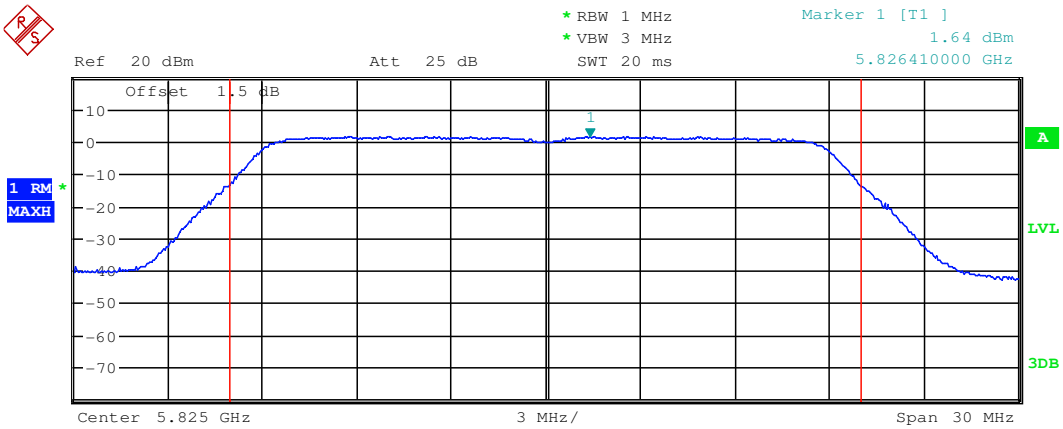
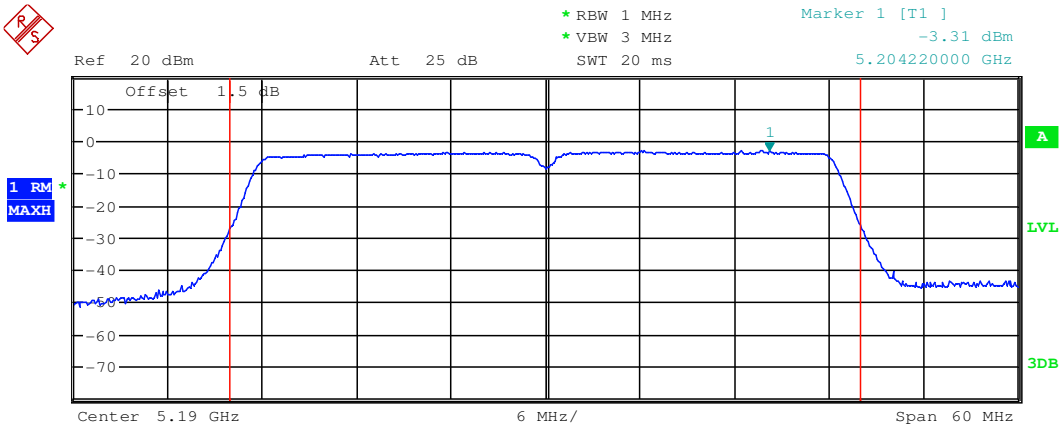
Test mode:	802.11 ac20	Frequency(MHz):	5825



Tx Channel
Bandwidth 20 MHz Power 12.63 dBm

Test mode:	802.11 n40	Frequency(MHz):	5190



Tx Channel
Bandwidth 40 MHz Power 10.71 dBm

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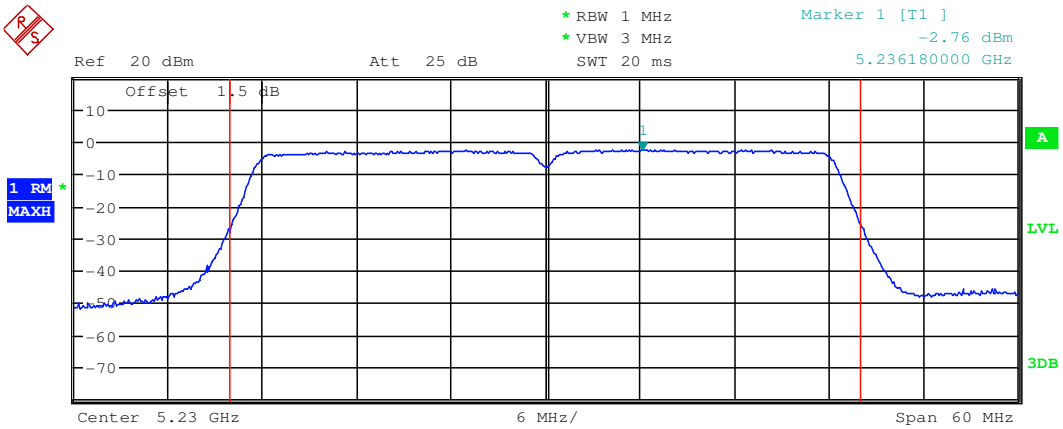
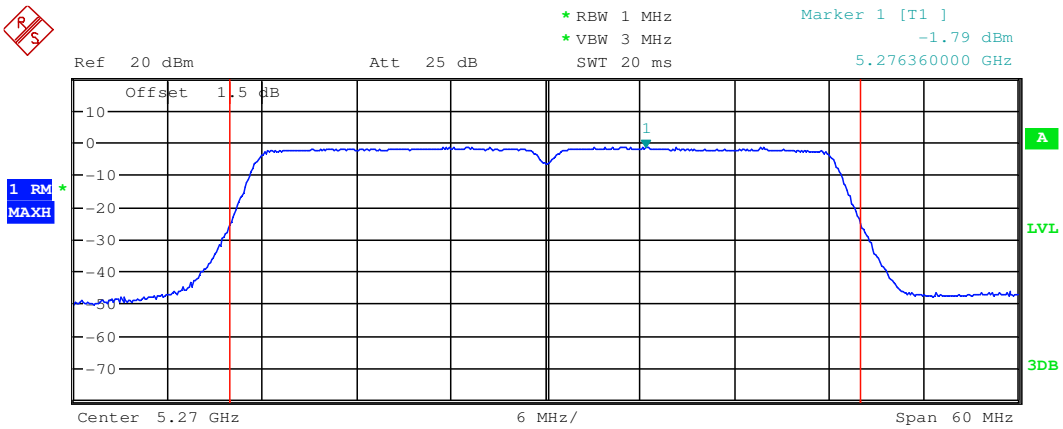
Test mode:	802.11 n40	Frequency(MHz):	5230



Tx Channel
Bandwidth 40 MHz Power 11.43 dBm

Test mode:	802.11 n40	Frequency(MHz):	5270



Tx Channel
Bandwidth 40 MHz Power 12.43 dBm

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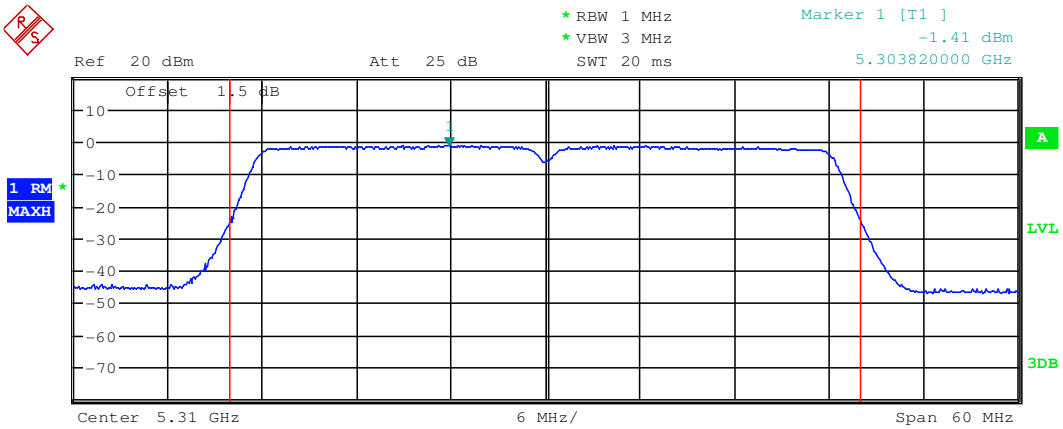
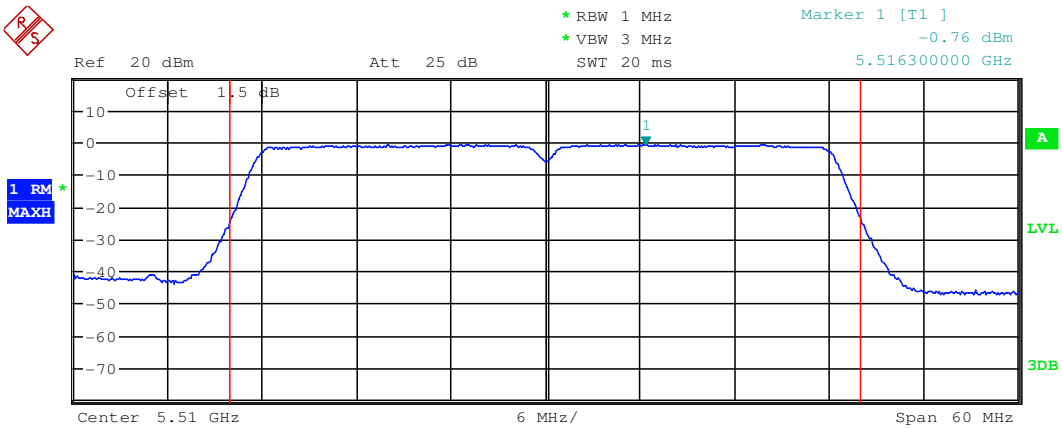
Test mode:	802.11 n40	Frequency(MHz):	5310



Tx Channel
Bandwidth 40 MHz Power 12.82 dBm

Test mode:	802.11 n40	Frequency(MHz):	5510



Tx Channel
Bandwidth 40 MHz Power 13.42 dBm

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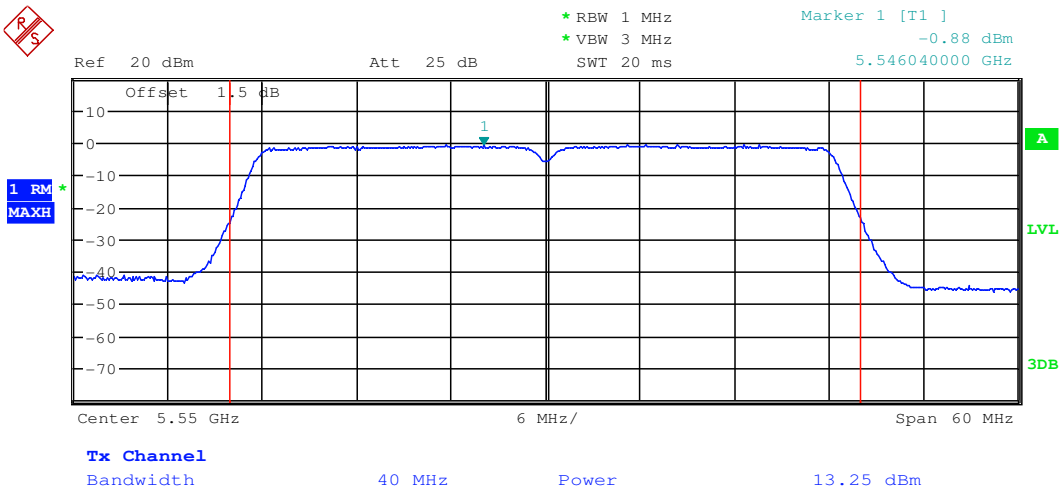
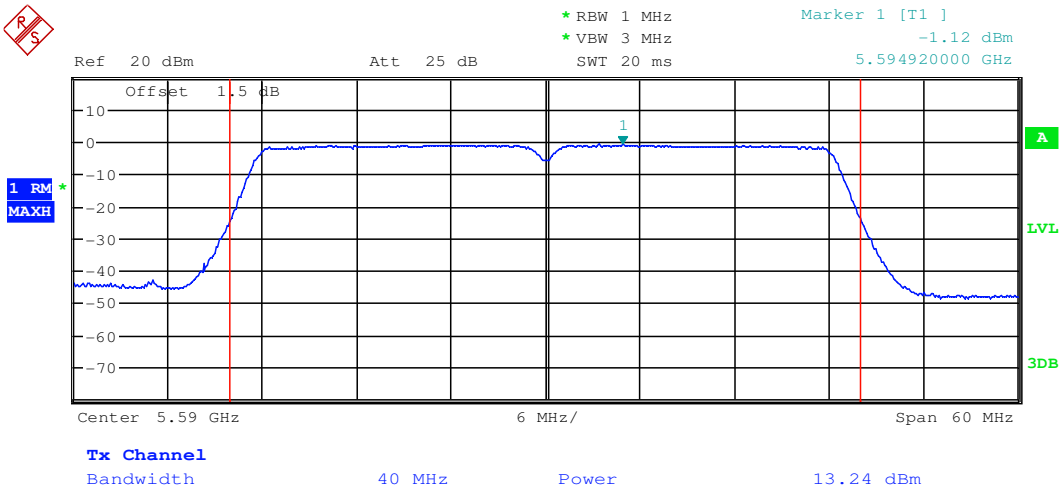
Test mode:	802.11 n40	Frequency(MHz):	5550



Test mode:	802.11 n40	Frequency(MHz):	5590



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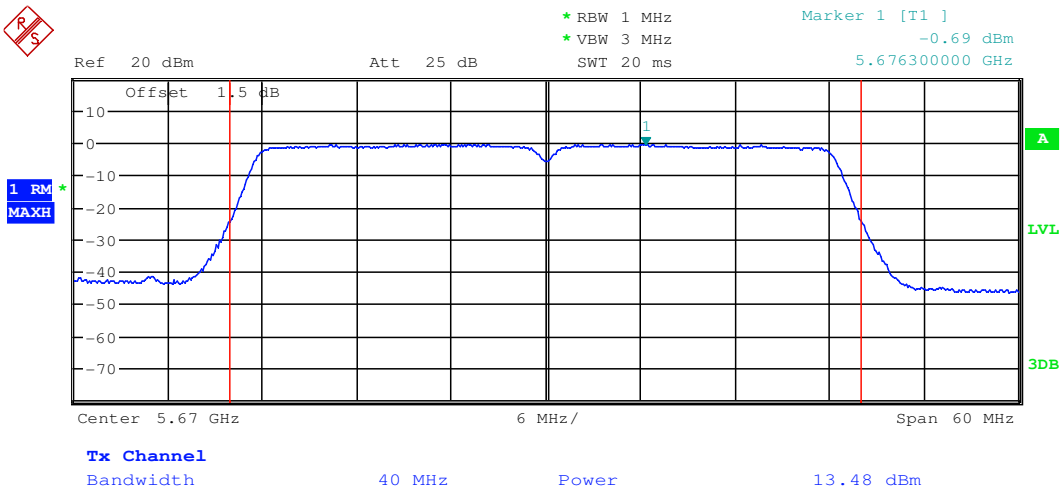
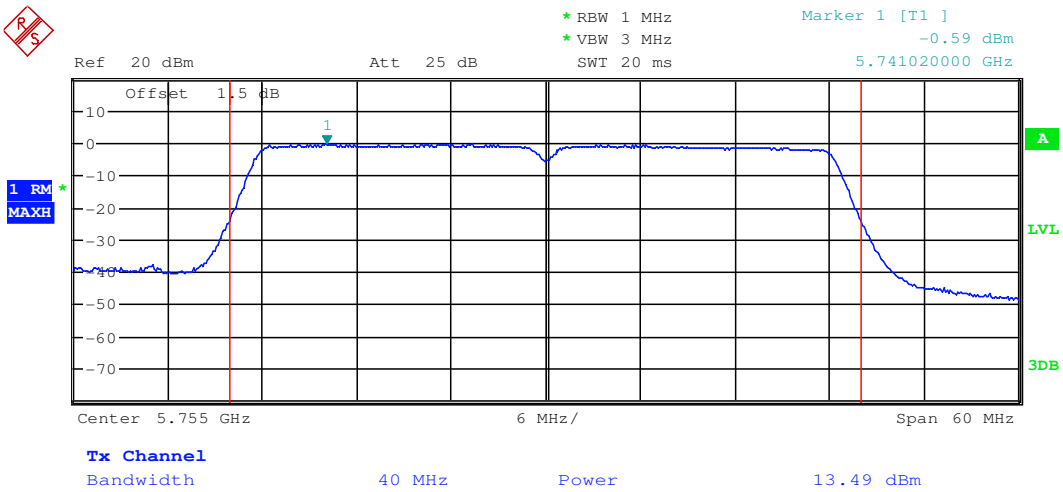
Test mode:	802.11 n40	Frequency(MHz):	5670



Test mode:	802.11 n40	Frequency(MHz):	5755



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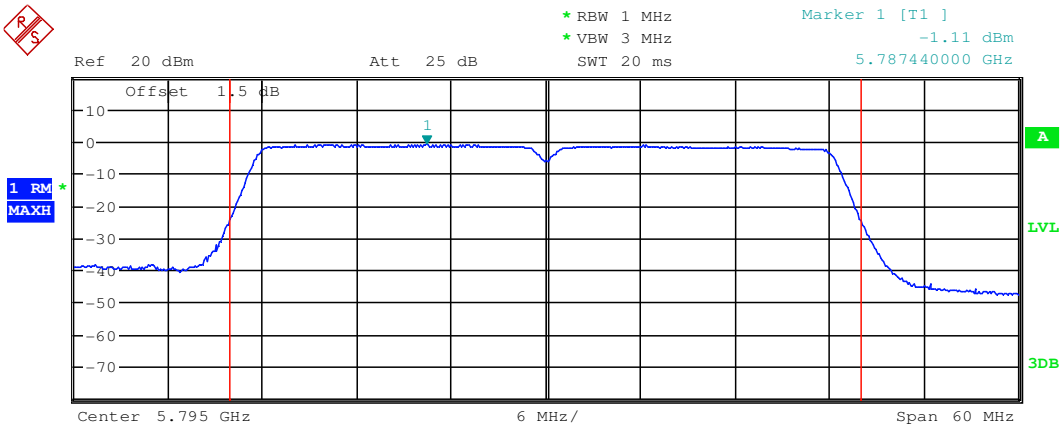
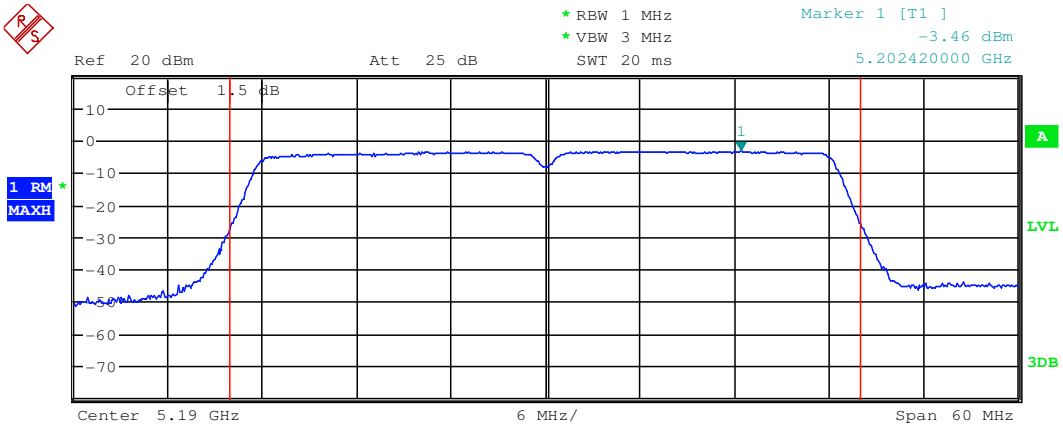
Test mode:	802.11 n40	Frequency(MHz):	5795



Tx Channel
Bandwidth 40 MHz Power 13.02 dBm

Test mode:	802.11 ac40	Frequency(MHz):	5190



Tx Channel
Bandwidth 40 MHz Power 10.71 dBm

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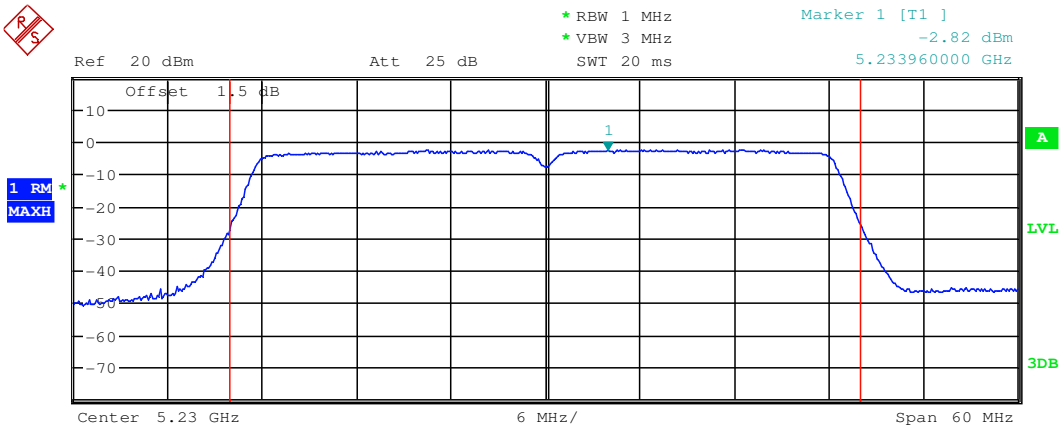
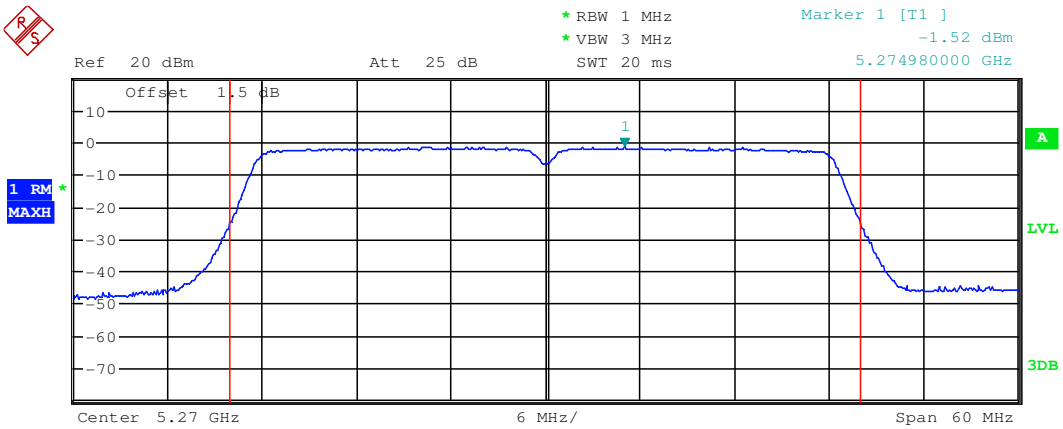
Test mode:	802.11 ac40	Frequency(MHz):	5230



Tx Channel
Bandwidth 40 MHz Power 11.42 dBm

Test mode:	802.11 ac40	Frequency(MHz):	5270



Tx Channel
Bandwidth 40 MHz Power 12.45 dBm

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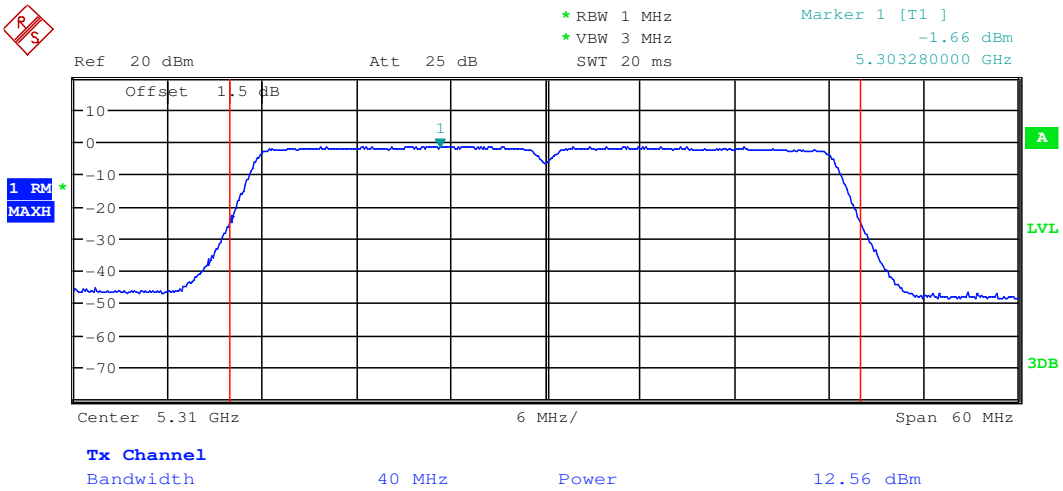
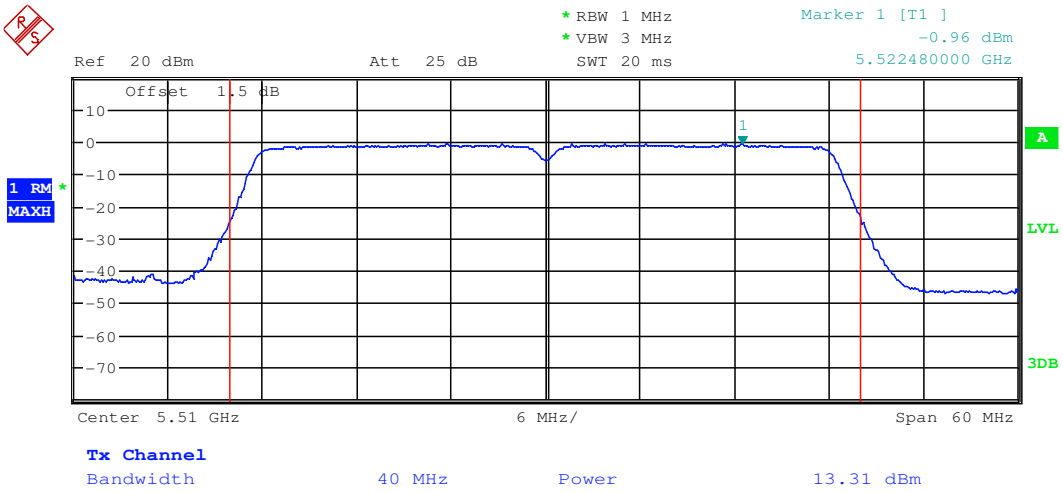
Test mode:	802.11 ac40	Frequency(MHz):	5310



Test mode:	802.11 ac40	Frequency(MHz):	5510



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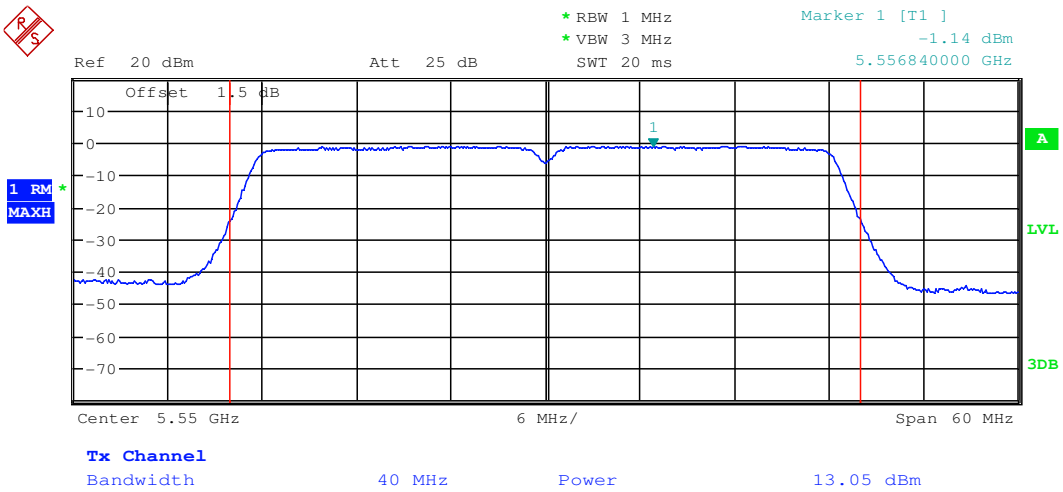
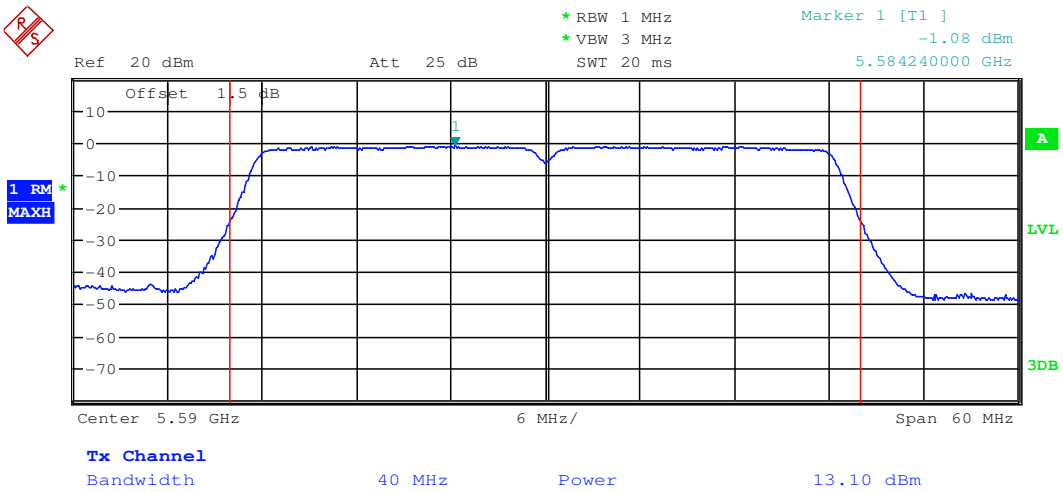
Test mode:	802.11 ac40	Frequency(MHz):	5550



Test mode:	802.11 ac40	Frequency(MHz):	5590



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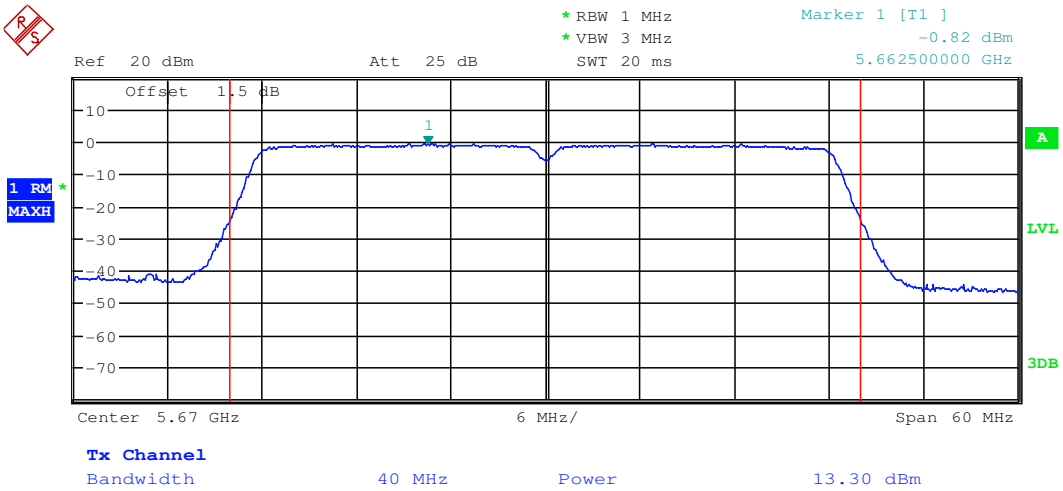
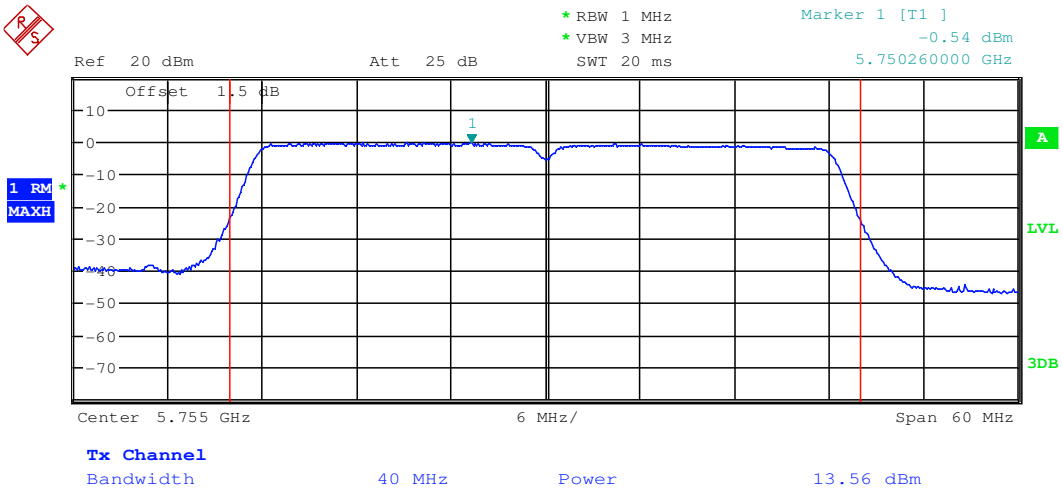
Test mode:	802.11 ac40	Frequency(MHz):	5670



Test mode:	802.11 ac40	Frequency(MHz):	5755



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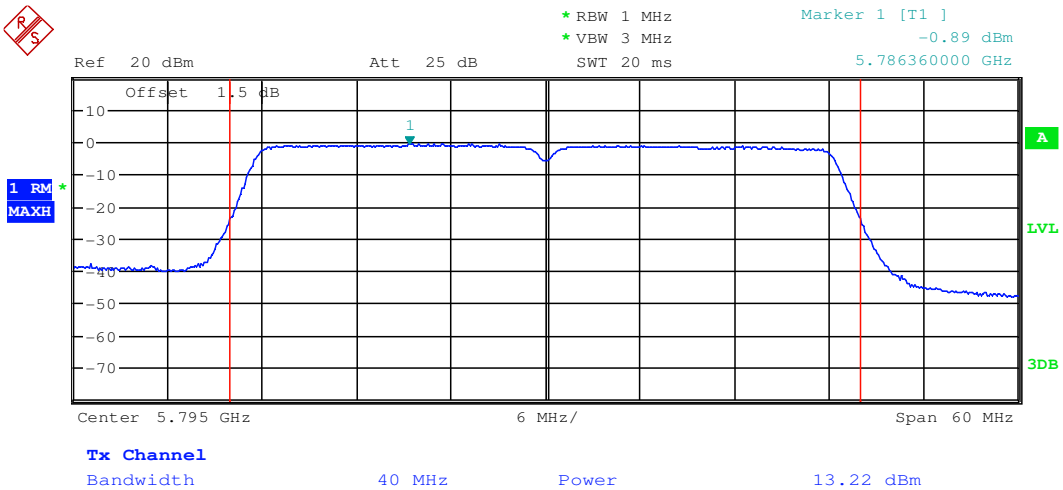
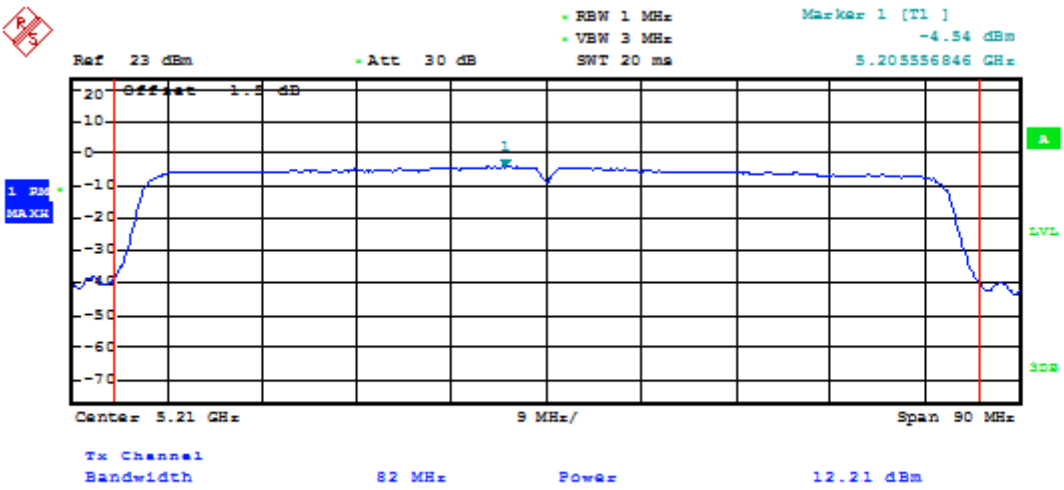
Test mode:	802.11 ac40	Frequency(MHz):	5795



Test mode:	802.11 ac80	Frequency(MHz):	5210



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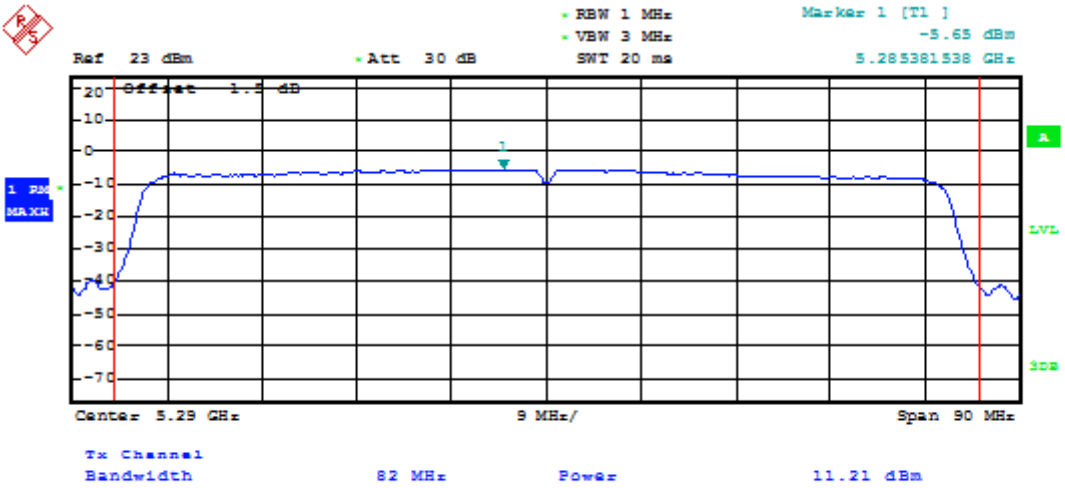
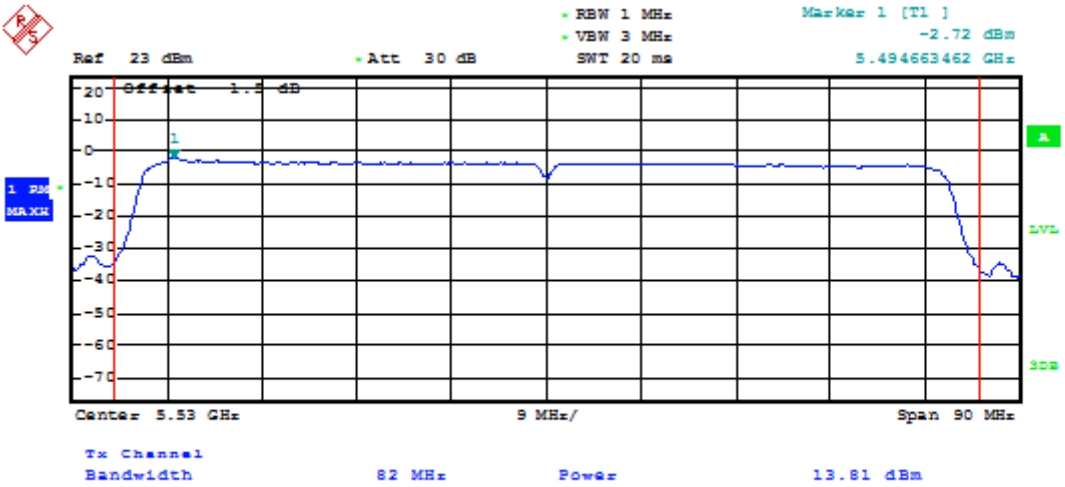
Test mode:	802.11 ac80	Frequency(MHz):	5290



Test mode:	802.11 ac80	Frequency(MHz):	5530



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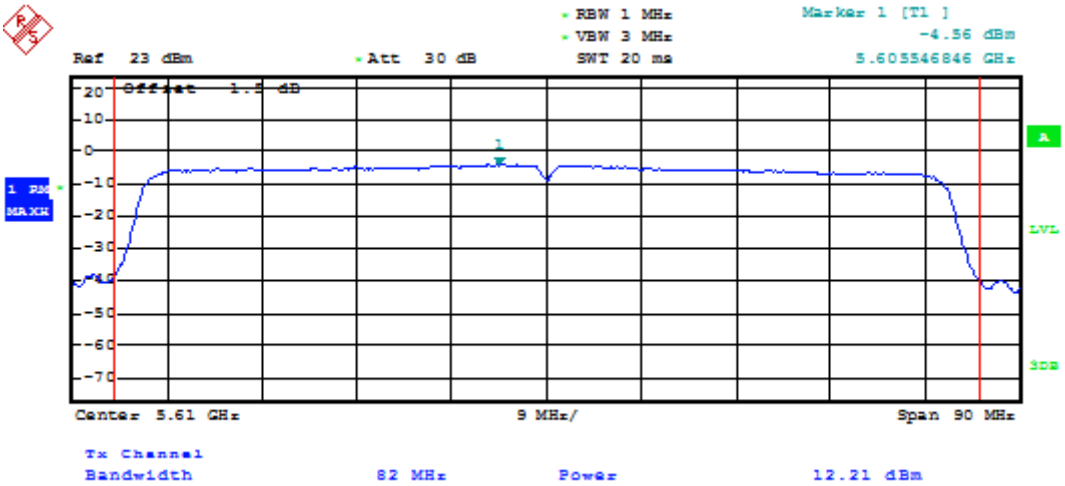
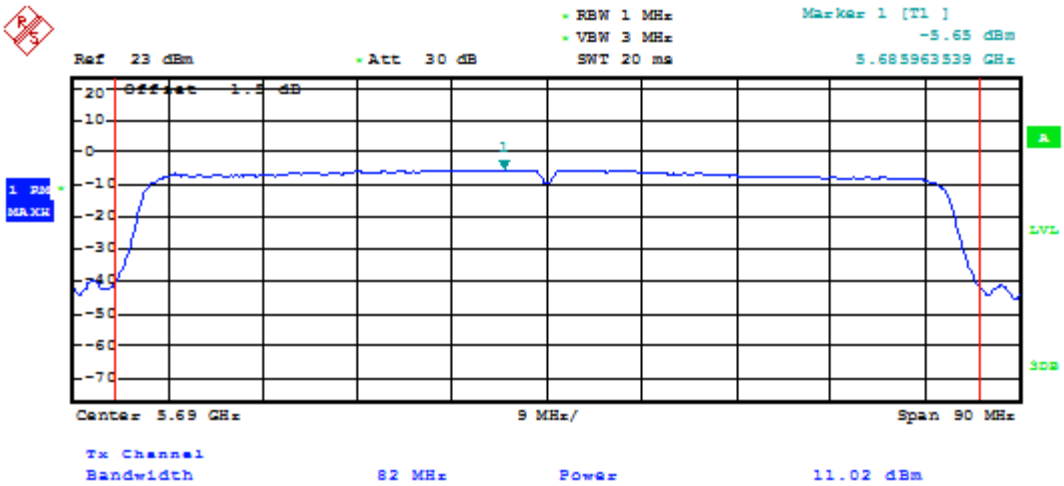
Test mode:	802.11 ac80	Frequency(MHz):	5610



Test mode:	802.11 ac80	Frequency(MHz):	5690



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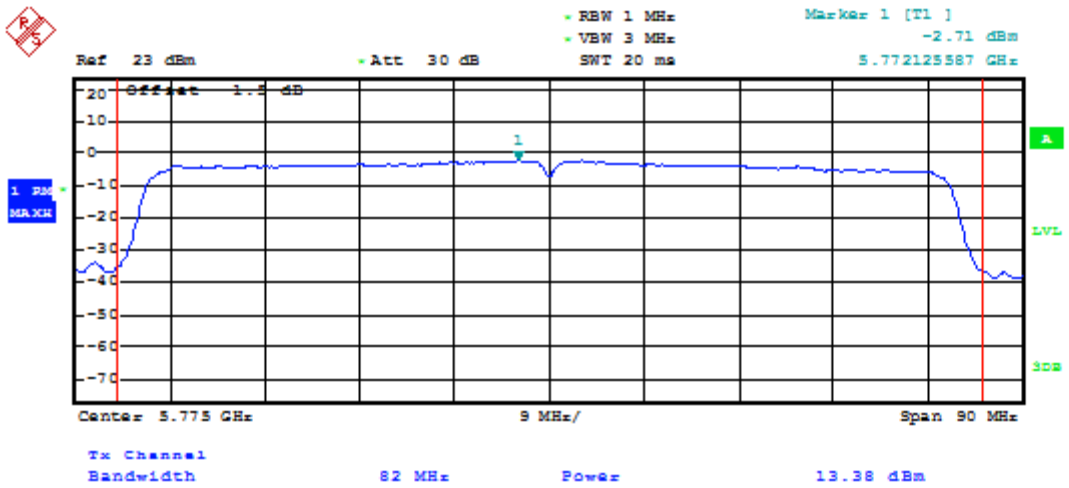
Test mode:	802.11 ac80	Frequency(MHz):	5775



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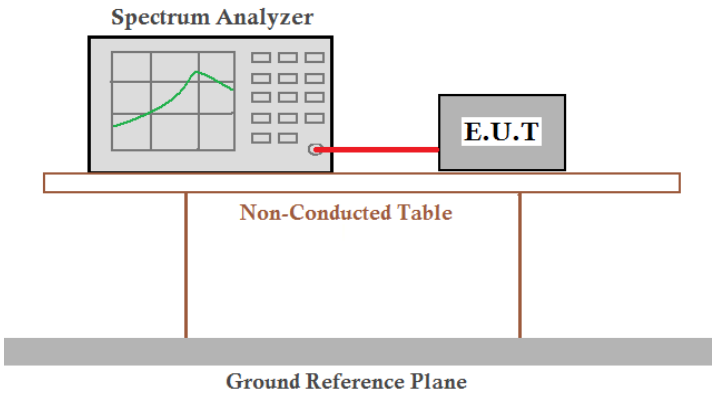
6.4 Equivalent Isotropic Radiated Power (e.i.r.p.)

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, 6Mbps of rate is the worst case of 802.11a; 6.5Mbps of rate is the worst case of 802.11n(HT20); 6.5Mbps of rate is the worst case of 802.11ac 20; 13.5Mbps of rate is the worst case of 802.11n(HT40); 13.5Mbps of rate is the worst case of 802.11ac 40; 29.2Mbps of rate is the worst case of 802.11ac 80.	
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	

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Measurement Data:

802.11a mode			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Result
5180	11.83	36	Pass
5200	12.61	36	Pass
5240	13.52	36	Pass
5260	13.89	30	Pass
5300	13.71	30	Pass
5320	13.42	30	Pass
5500	12.48	30	Pass
5580	13.28	30	Pass
5600	13.35	30	Pass
5700	12.59	30	Pass
5745	11.80	36	Pass
5785	10.35	36	Pass
5825	9.25	36	Pass

802.11 n20 mode			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Result
5180	11.76	36	Pass
5200	12.65	36	Pass
5240	13.57	36	Pass
5260	13.98	30	Pass
5300	13.87	30	Pass
5320	13.63	30	Pass
5500	12.57	30	Pass
5580	13.45	30	Pass
5600	13.45	30	Pass
5700	12.72	30	Pass
5745	11.94	36	Pass
5785	10.60	36	Pass
5825	9.49	36	Pass

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802.11ac 20 mode			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Result
5180	10.32	36	Pass
5220	10.47	36	Pass
5240	11.44	36	Pass
5260	11.89	30	Pass
5300	12.51	30	Pass
5320	12.53	30	Pass
5500	13.12	30	Pass
5580	13.07	30	Pass
5600	12.96	30	Pass
5700	13.28	30	Pass
5745	13.47	36	Pass
5785	13.11	36	Pass
5825	12.63	36	Pass

802.11 n40 mode			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Result
5190	10.71	36	Pass
5230	11.43	36	Pass
5270	12.43	30	Pass
5310	12.82	30	Pass
5510	13.42	30	Pass
5550	13.25	30	Pass
5590	13.24	30	Pass
5670	13.48	30	Pass
5755	13.49	36	Pass
5795	13.02	36	Pass

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802.11ac 40 mode			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Result
5190	10.71	36	Pass
5230	11.42	36	Pass
5270	12.45	30	Pass
5310	12.56	30	Pass
5510	13.31	30	Pass
5550	13.05	30	Pass
5590	13.10	30	Pass
5670	13.30	30	Pass
5755	13.56	36	Pass
5795	13.22	36	Pass

802.11ac 80 mode			
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Result
5210	12.21	36	Pass
5290	11.21	30	Pass
5530	13.81	30	Pass
5610	12.21	30	Pass
5690	11.02	30	Pass
5775	13.38	36	Pass

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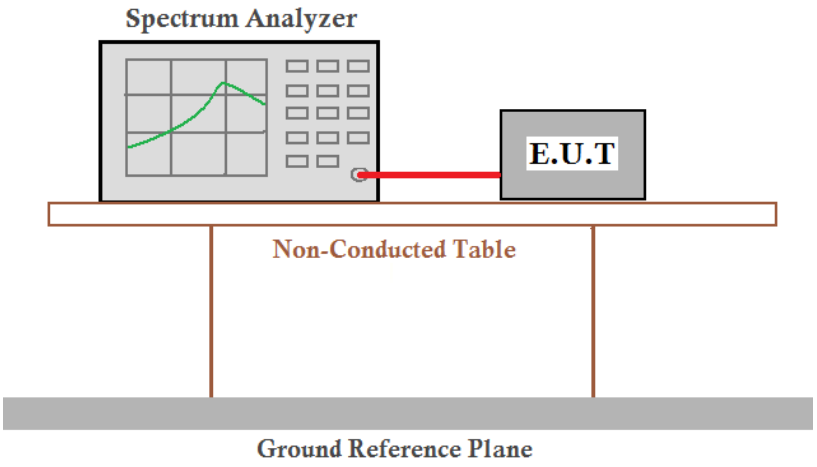
6.5 26dB Emission Bandwidth and 99% Occupied Bandwidth

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, 6Mbps of rate is the worst case of 802.11a; 6.5Mbps of rate is the worst case of 802.11n(HT20); 6.5Mbps of rate is the worst case of 802.11ac 20; 13.5Mbps of rate is the worst case of 802.11n(HT40); 13.5Mbps of rate is the worst case of 802.11ac 40; 29.2Mbps of rate is the worst case of 802.11ac 80.
Limit:	No restriction limits
Test Results:	Pass

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Measurement Data:

802.11a mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.962	16.590
5200	21.209	16.590
5240	21.090	16.590
5260	21.105	16.620
5300	20.889	16.590
5320	20.840	16.620
5500	21.145	16.590
5580	21.410	16.590
5600	20.889	16.590
5700	21.017	16.620
5745	21.410	16.590
5785	21.154	16.590
5825	21.410	16.590

802.11 n20 mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	21.474	17.790
5200	21.538	17.790
5240	21.474	17.760
5260	21.465	17.760
5300	21.665	17.790
5320	21.731	17.760
5500	21.465	17.790
5580	21.667	17.790
5600	21.680	17.760
5700	21.465	17.790
5745	21.680	17.790
5785	21.465	17.790
5825	21.480	17.790

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802.11ac 20 mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	21.465	17.790
5220	21.410	17.760
5240	21.465	17.790
5260	21.474	17.760
5300	21.731	17.760
5320	21.465	17.760
5500	21.746	17.760
5580	21.529	17.760
5600	21.456	17.760
5700	21.795	17.790
5745	21.731	17.790
5785	21.731	17.790
5825	21.753	17.790

802.11 n40 mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	39.359	36.180
5230	39.487	36.240
5270	39.215	36.180
5310	39.359	36.180
5510	39.344	36.240
5550	39.584	36.180
5590	39.584	36.180
5670	39.359	36.180
5755	39.264	36.240
5795	39.359	36.180

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802.11ac 40 mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	39.359	36.180
5230	39.359	36.240
5270	39.359	36.180
5310	39.359	36.180
5510	39.615	36.180
5550	39.215	36.180
5590	39.359	36.180
5670	39.343	36.180
5755	39.359	36.240
5795	39.359	36.240

802.11ac 80 mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5210	80.128	76.282
5290	80.513	76.410
5530	80.256	76.154
5610	80.256	76.410
5690	80.256	76.154
5775	80.128	76.282

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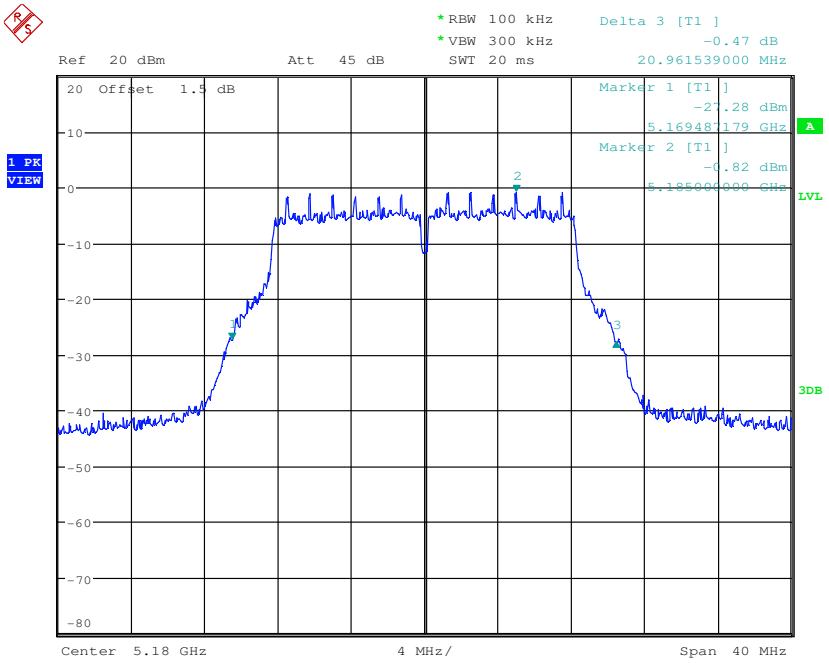
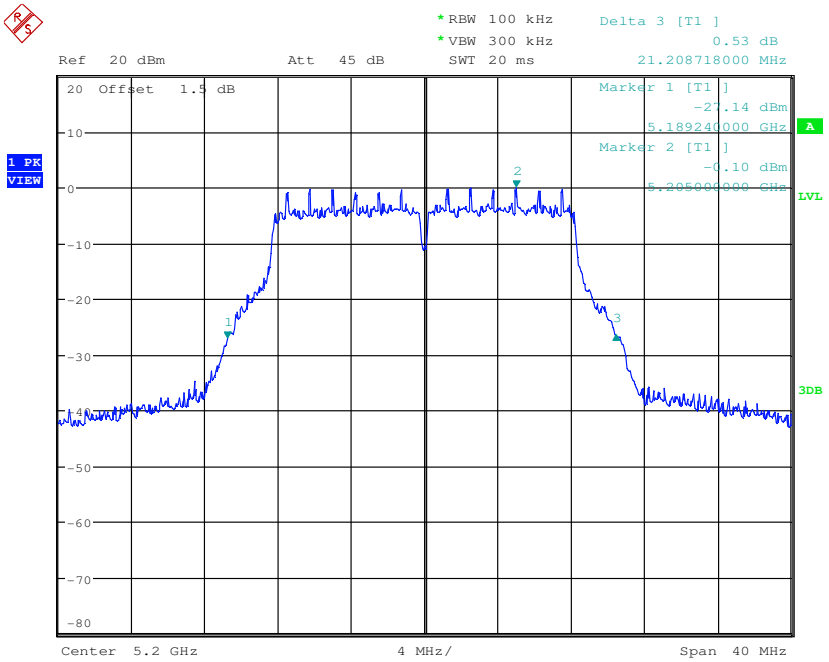
26dB Emission Bandwidth
Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180



Test mode:	802.11a	Frequency(MHz):	5200



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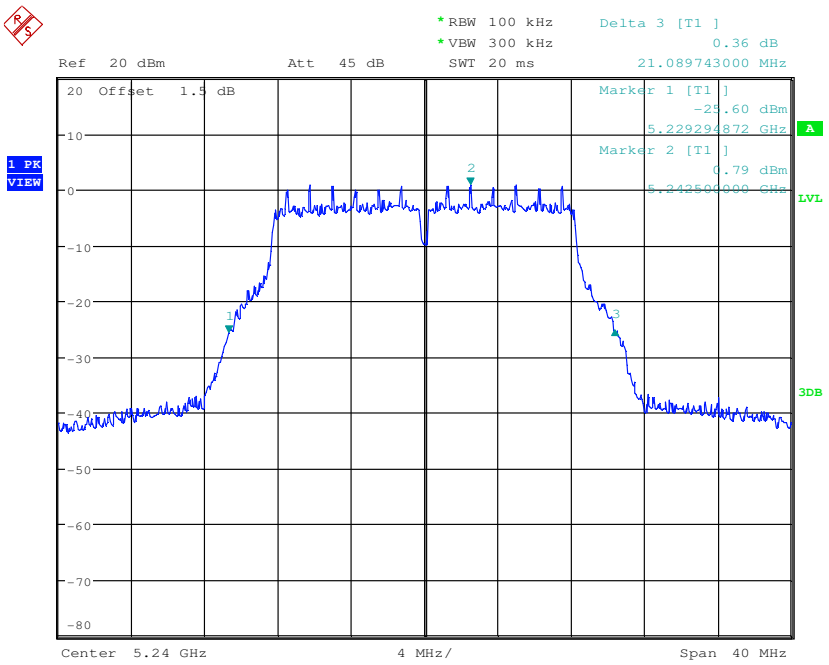
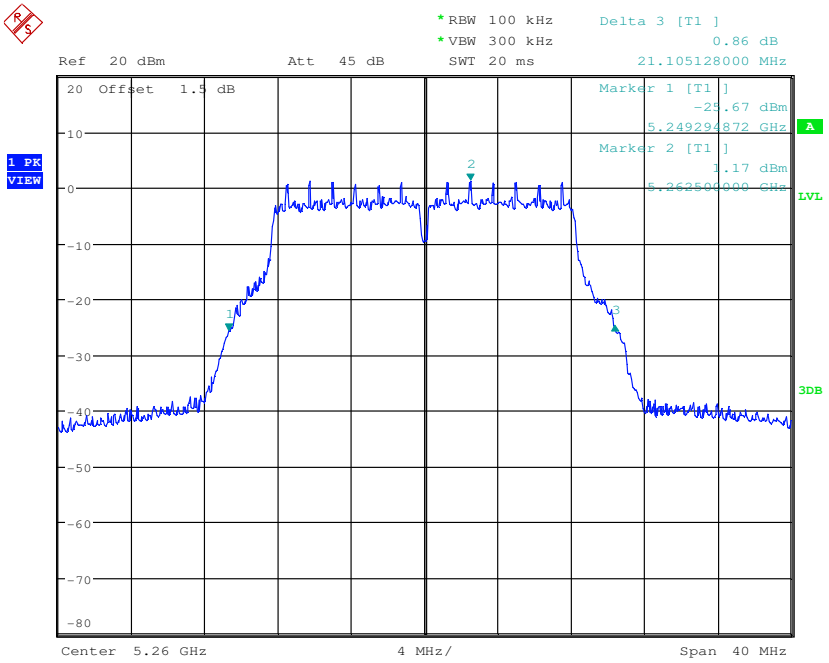
Test mode:	802.11a	Frequency(MHz):	5240



Test mode:	802.11a	Frequency(MHz):	5260



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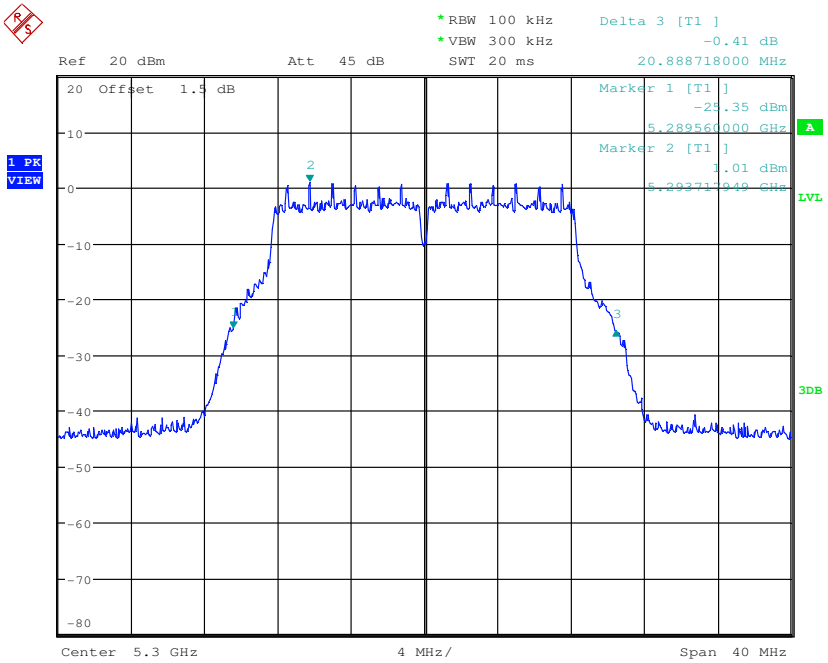
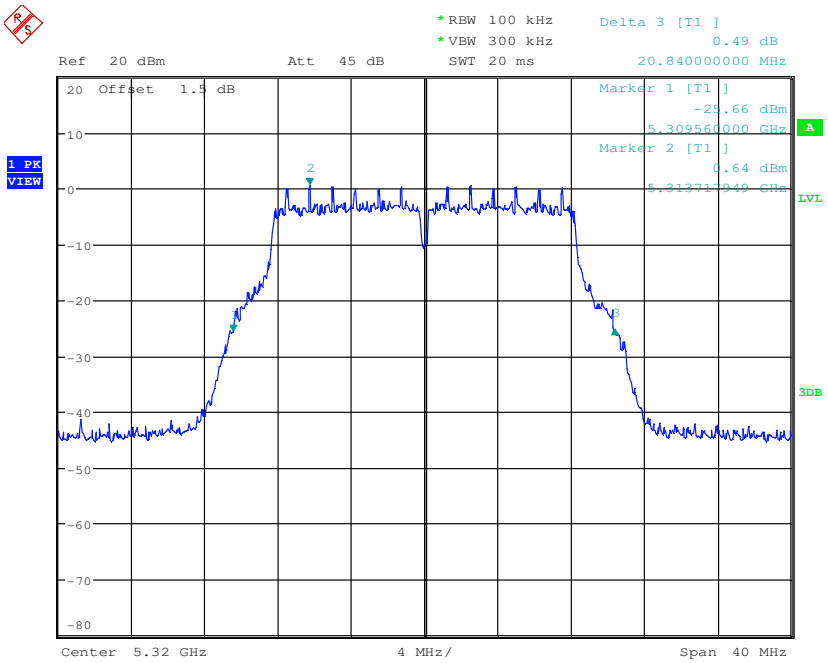
Test mode:	802.11a	Frequency(MHz):	5300



Test mode:	802.11a	Frequency(MHz):	5320



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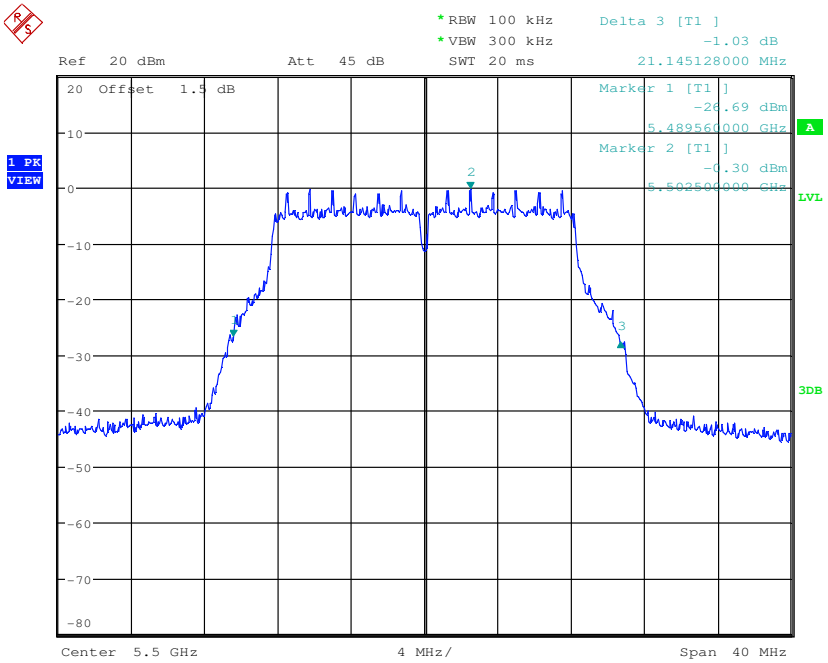
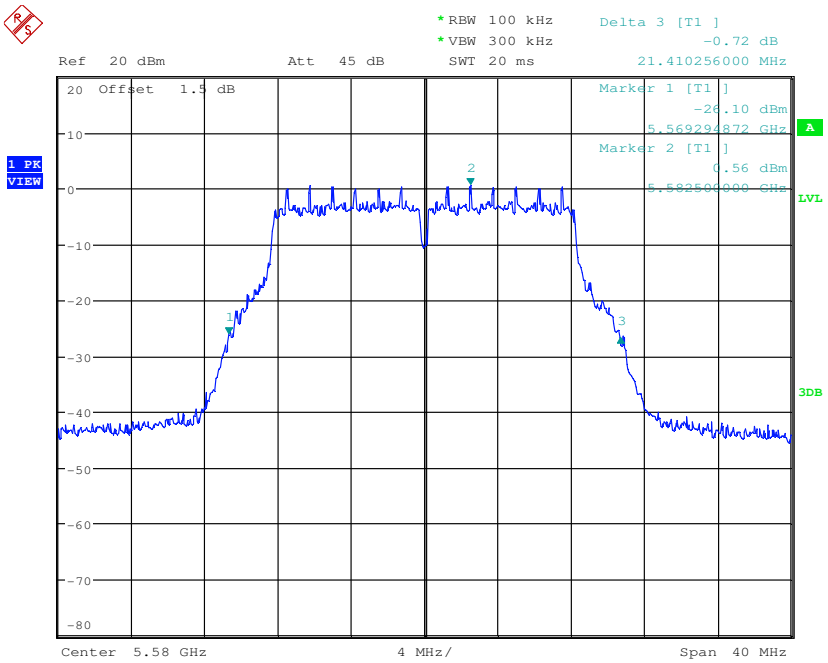
Test mode:	802.11a	Frequency(MHz):	5500



Test mode:	802.11a	Frequency(MHz):	5580



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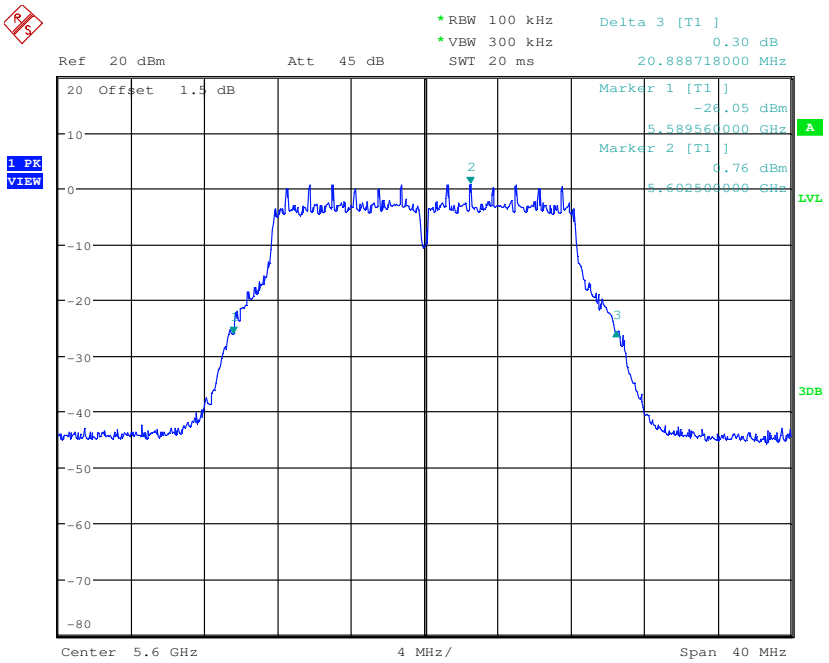
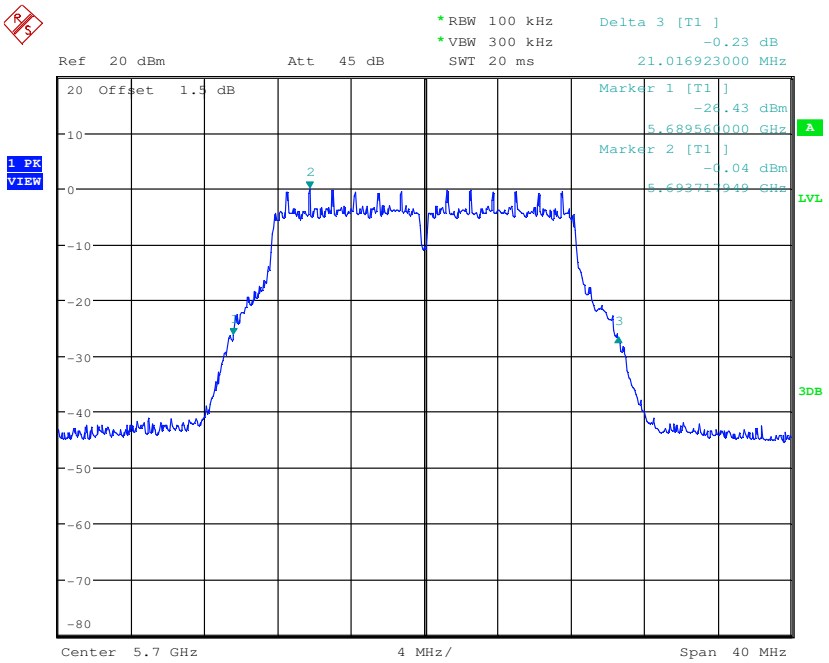
Test mode:	802.11a	Frequency(MHz):	5600



Test mode:	802.11a	Frequency(MHz):	5700



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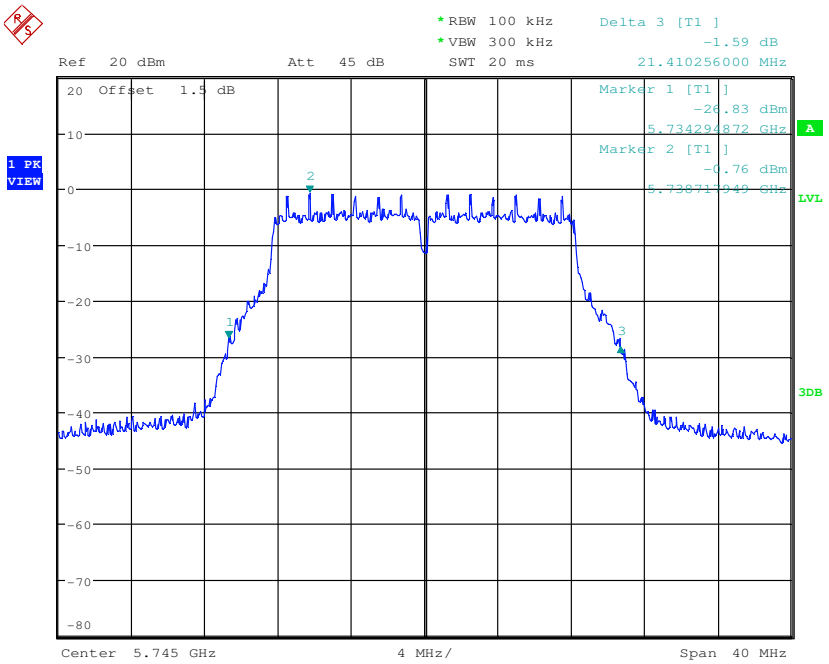
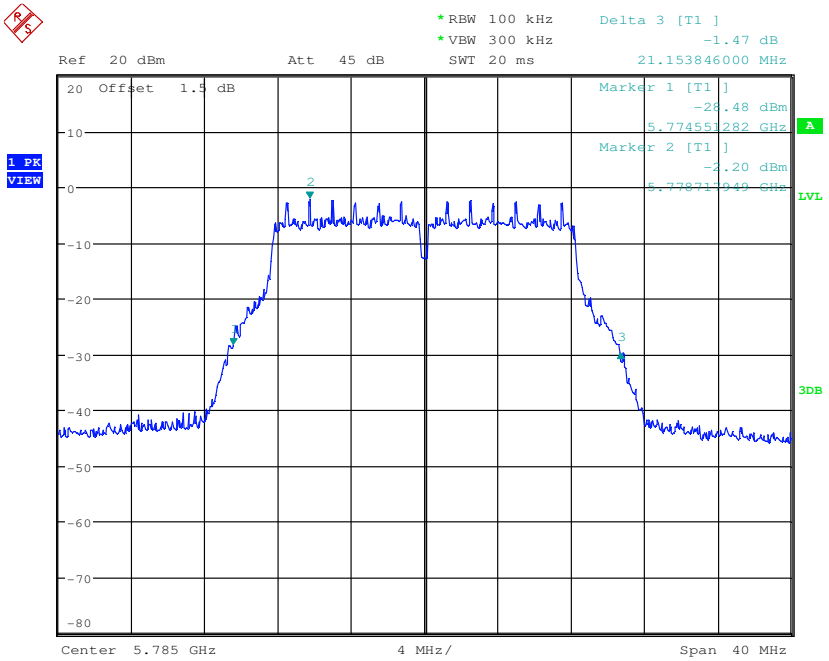
Test mode:	802.11a	Frequency(MHz):	5745



Test mode:	802.11a	Frequency(MHz):	5785



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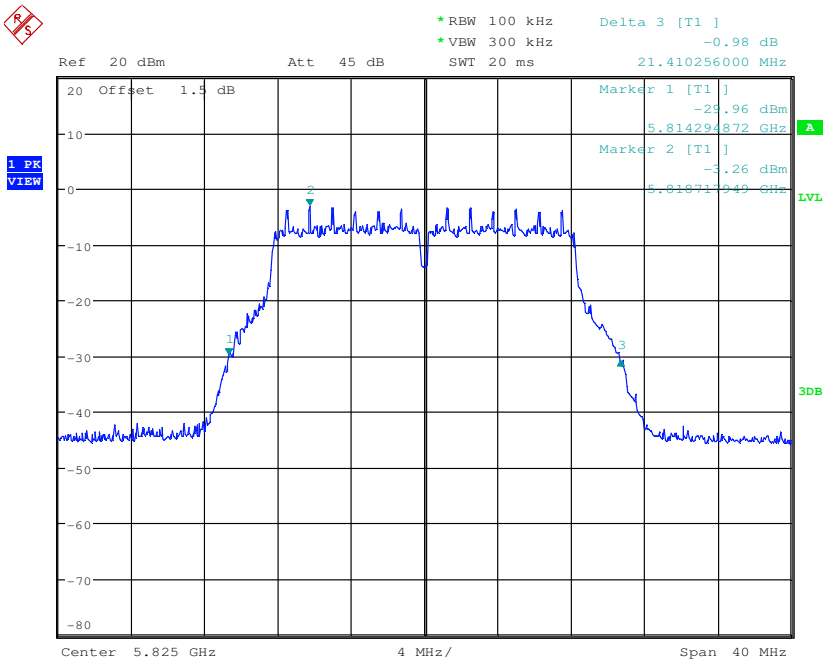
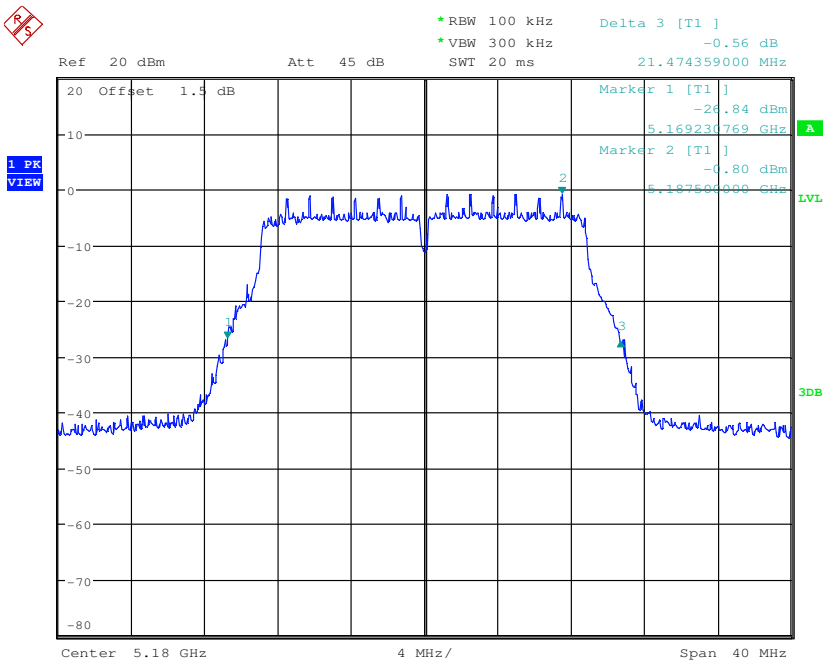
Test mode:	802.11a	Frequency(MHz):	5825



Test mode:	802.11 n20	Frequency(MHz):	5180



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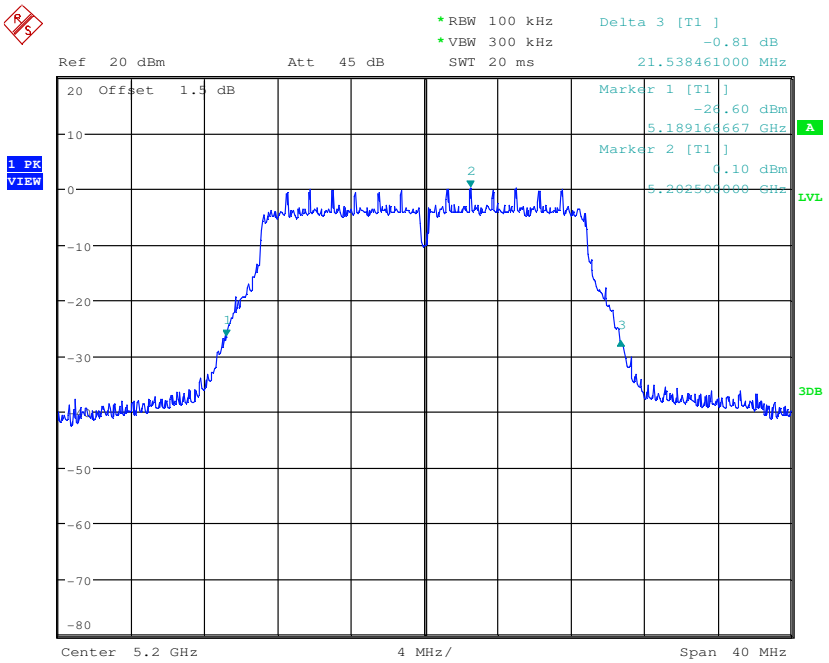
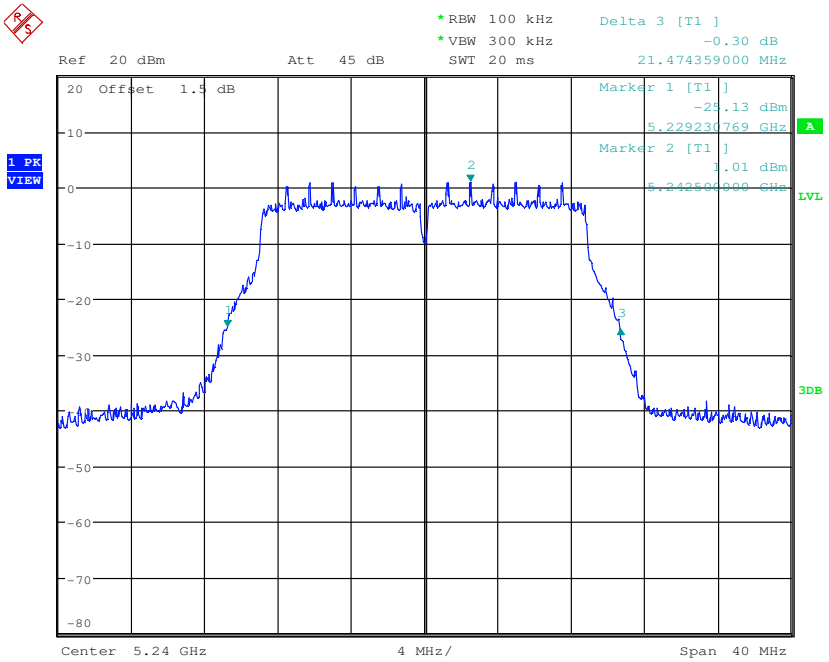
Test mode:	802.11 n20	Frequency(MHz):	5200



Test mode:	802.11 n20	Frequency(MHz):	5240



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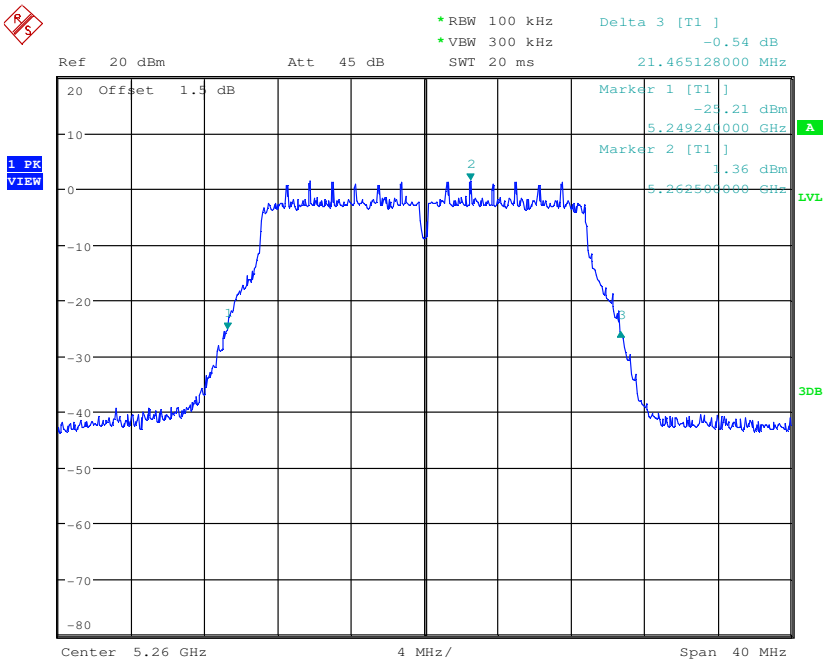
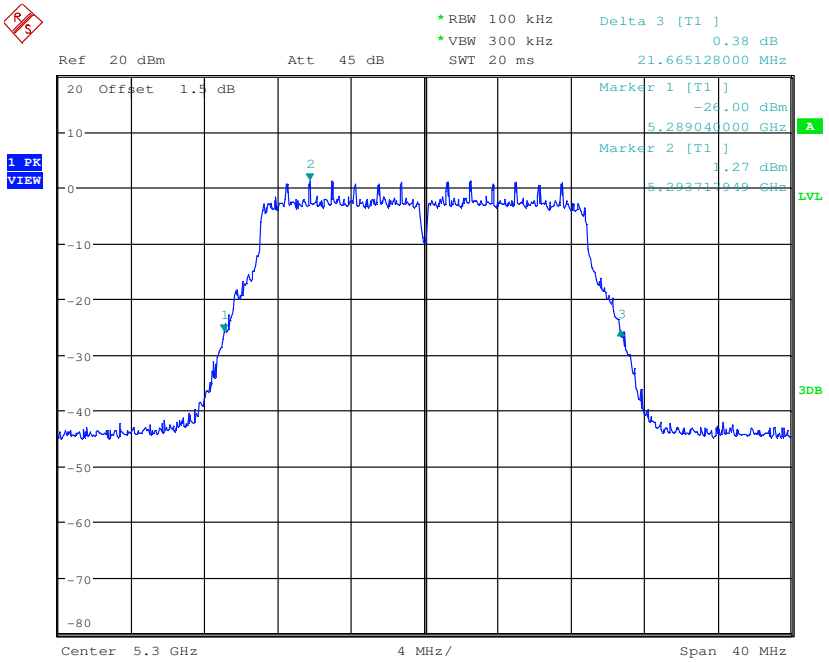
Test mode:	802.11 n20	Frequency(MHz):	5260



Test mode:	802.11 n20	Frequency(MHz):	5300



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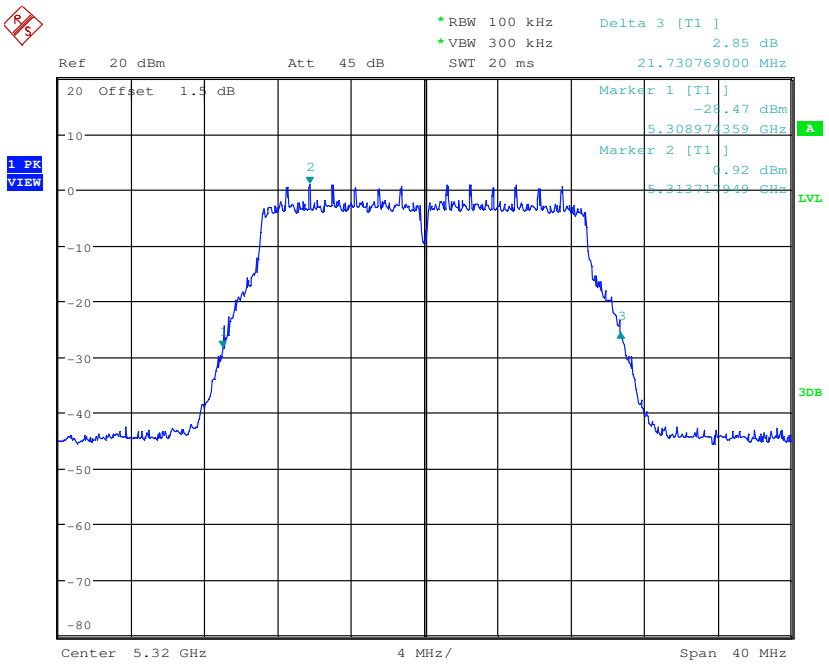
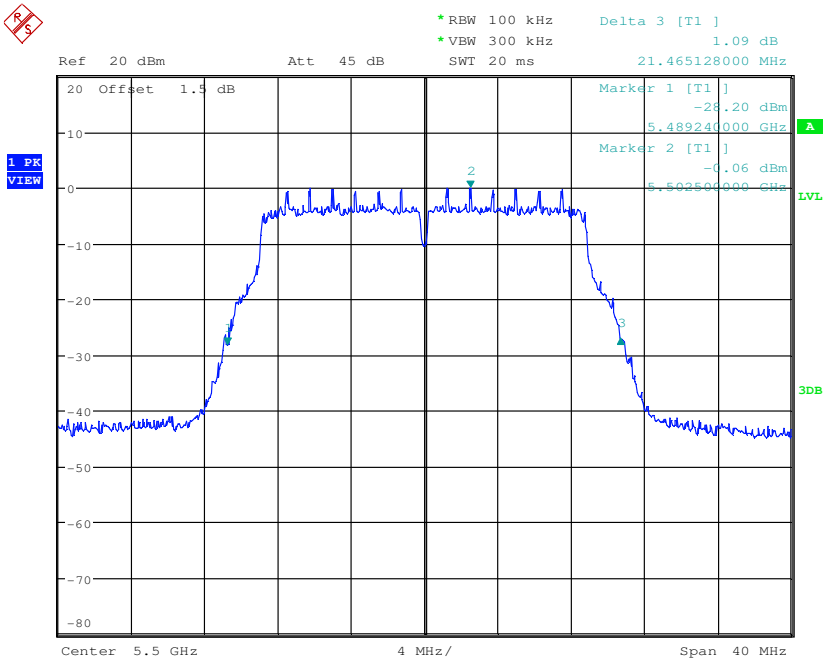
Test mode:	802.11 n20	Frequency(MHz):	5320



Test mode:	802.11 n20	Frequency(MHz):	5500



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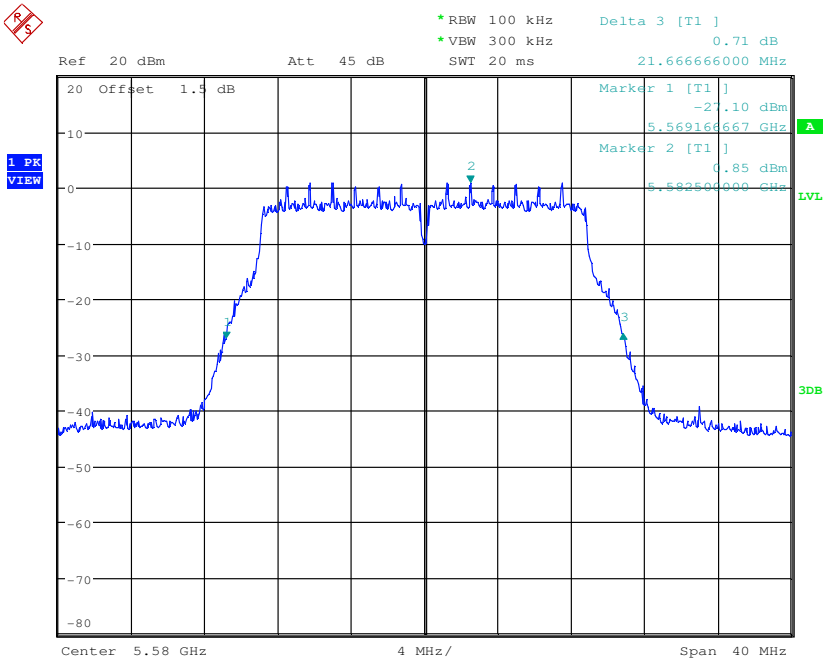
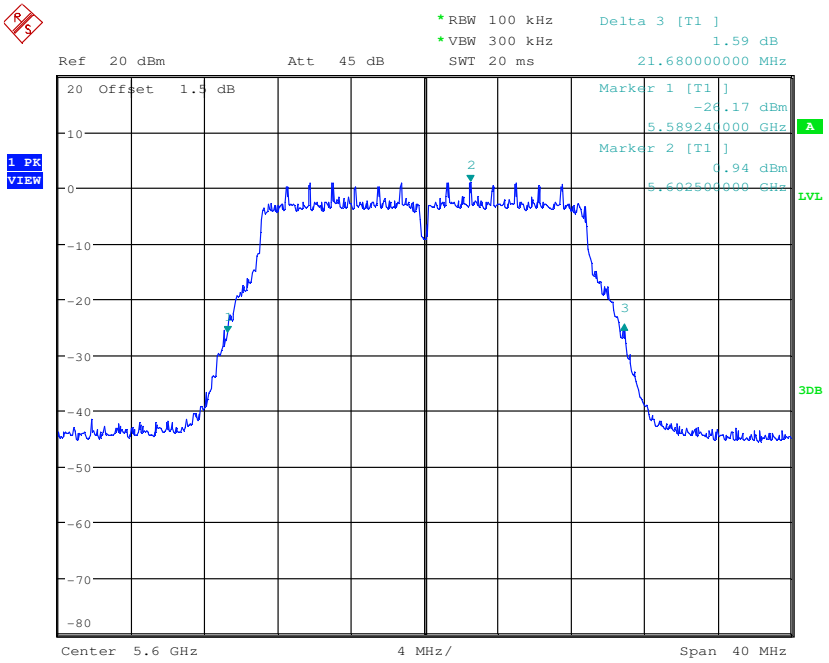
Test mode:	802.11 n20	Frequency(MHz):	5580



Test mode:	802.11 n20	Frequency(MHz):	5600



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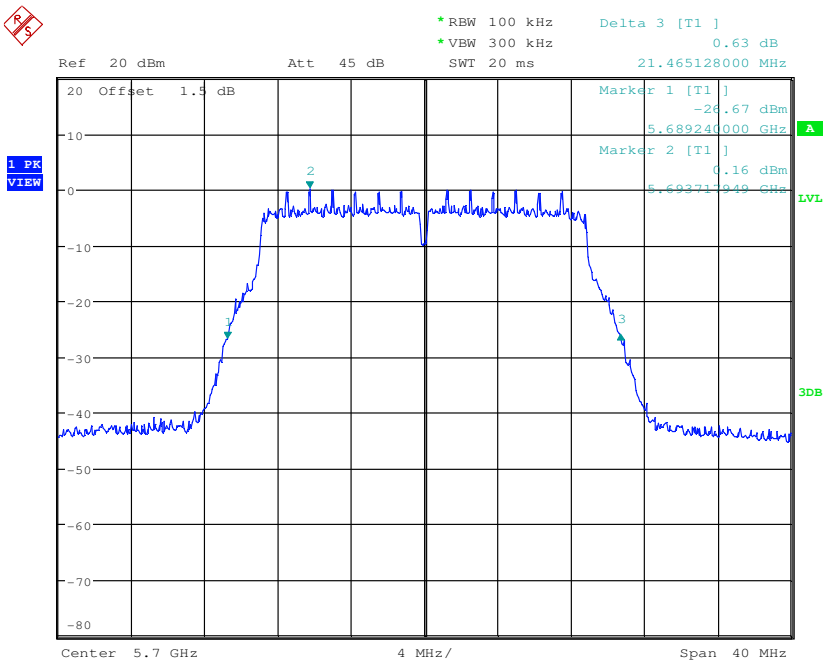
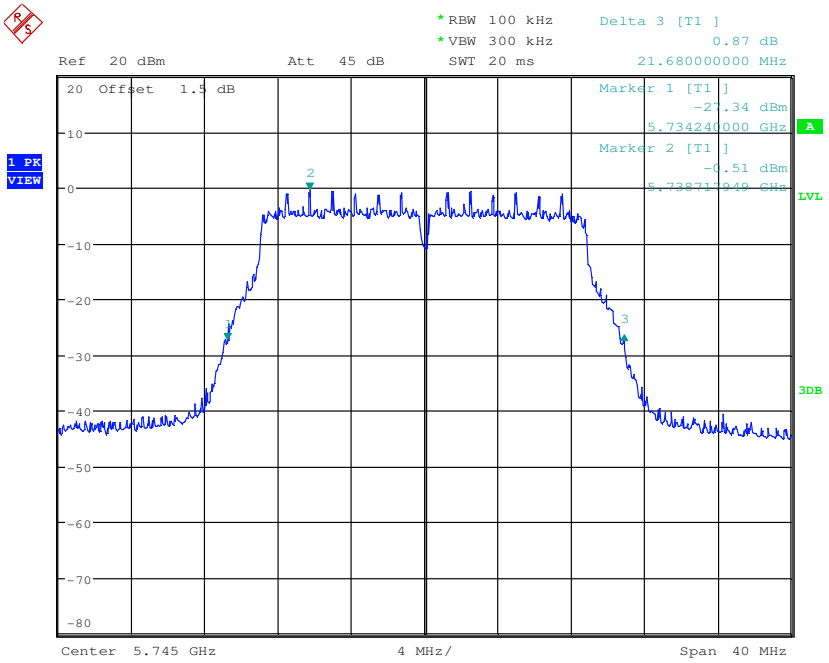
Test mode:	802.11 n20	Frequency(MHz):	5700



Test mode:	802.11 n20	Frequency(MHz):	5745



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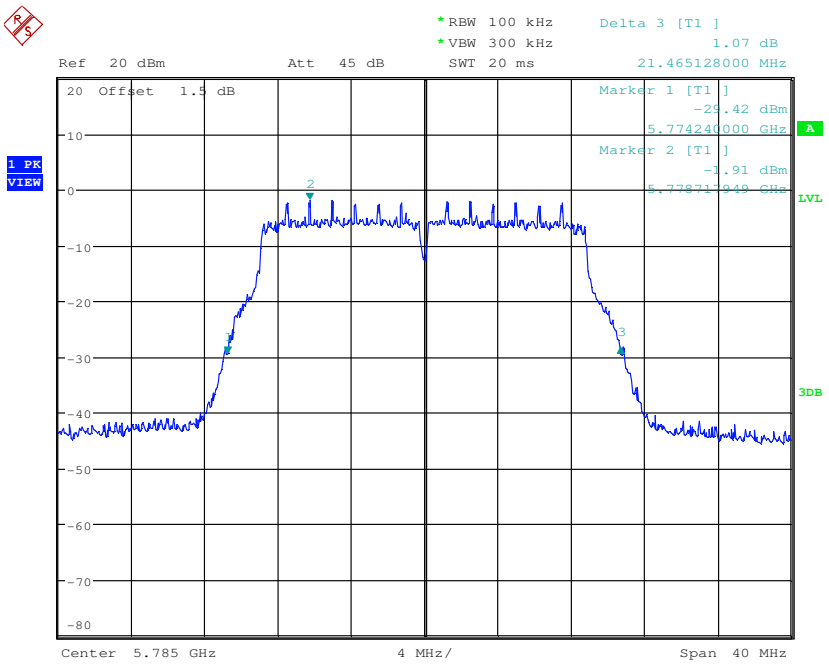
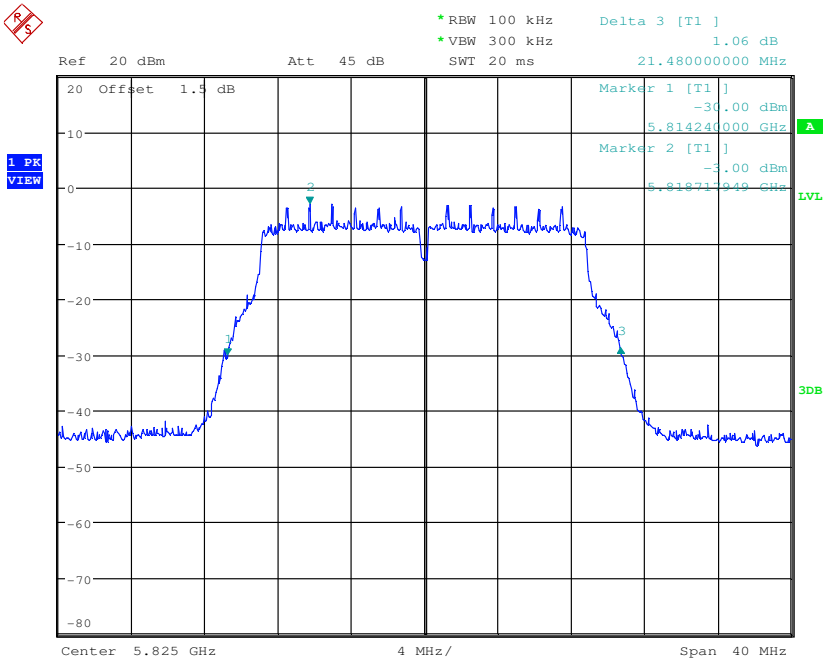
Test mode:	802.11 n20	Frequency(MHz):	5785



Test mode:	802.11 n20	Frequency(MHz):	5825



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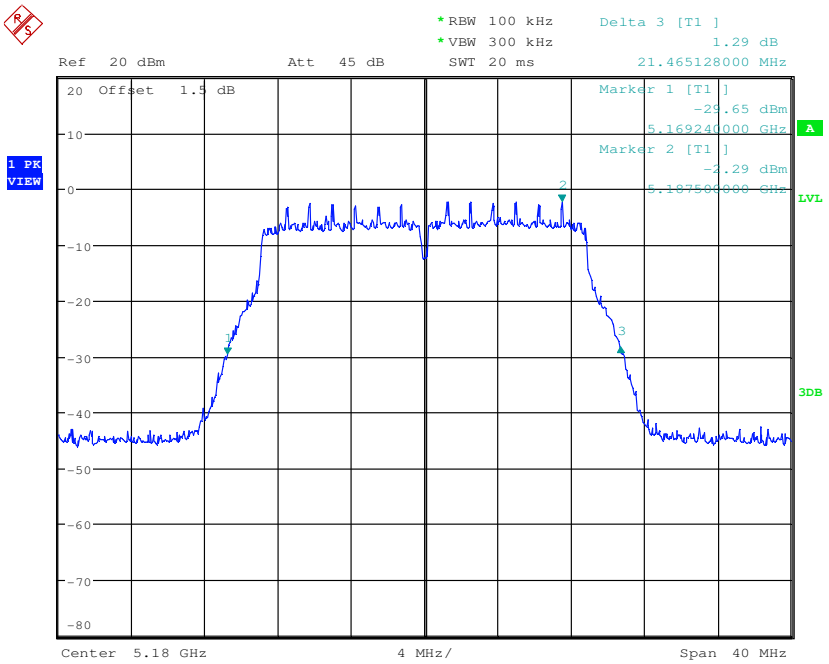
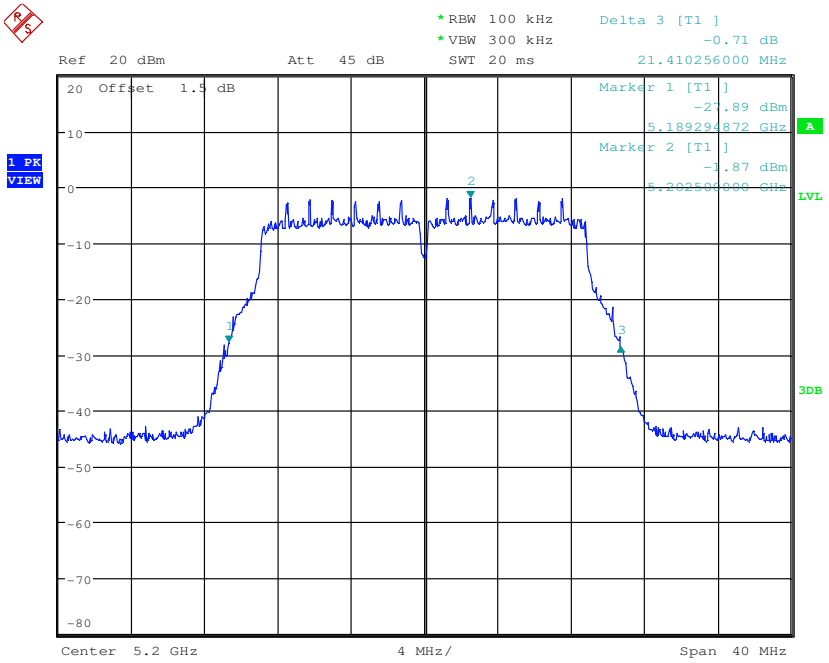
Test mode:	802.11 ac20	Frequency(MHz):	5180



Test mode:	802.11 ac20	Frequency(MHz):	5200



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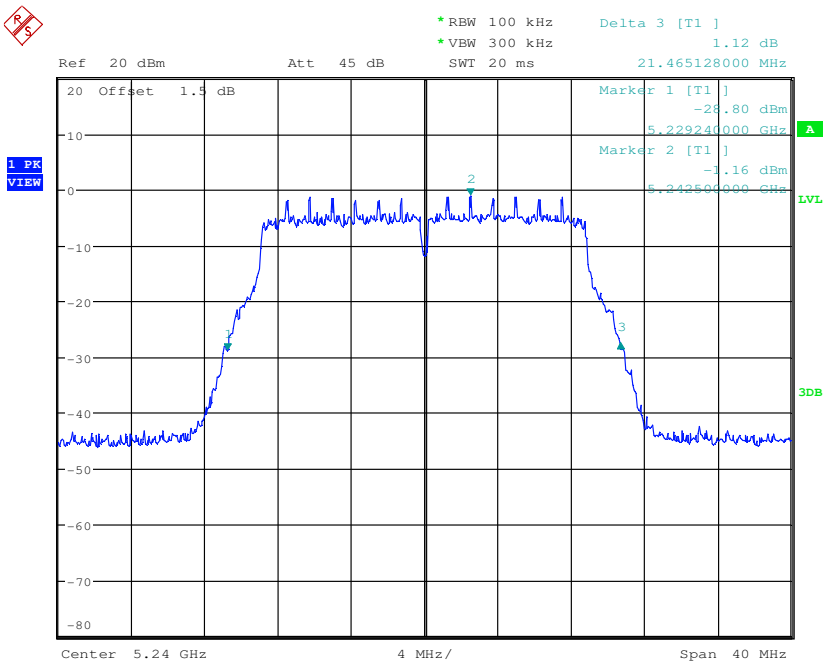
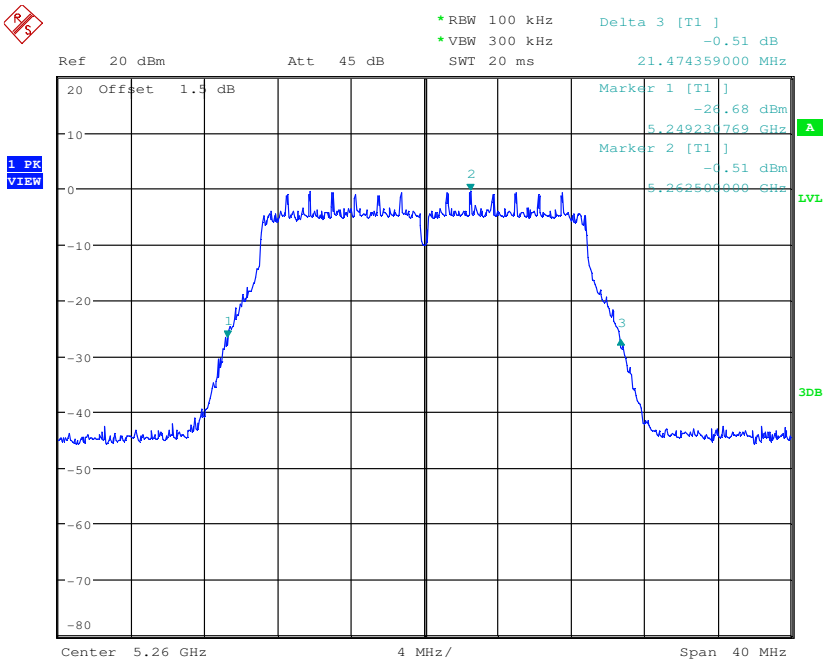
Test mode:	802.11 ac20	Frequency(MHz):	5240



Test mode:	802.11 ac20	Frequency(MHz):	5260



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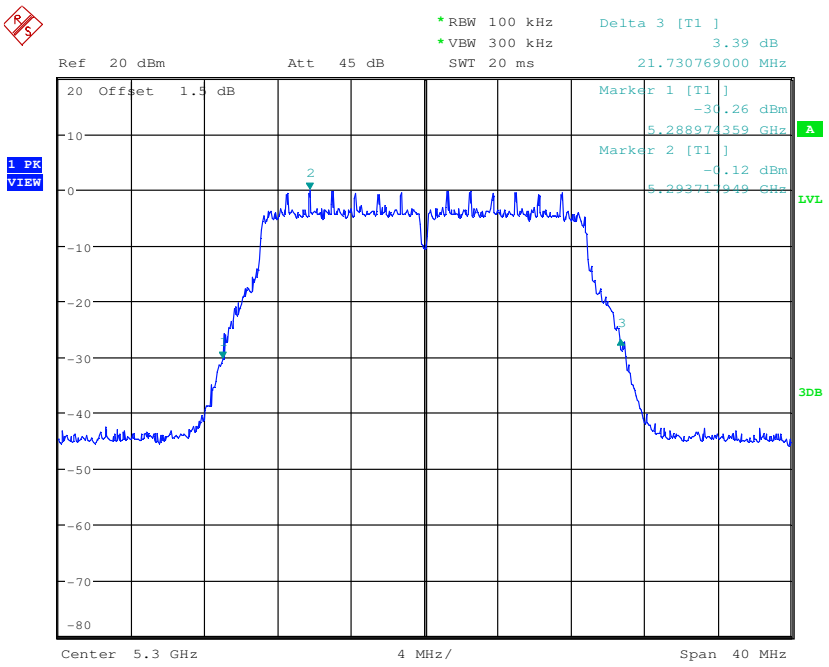
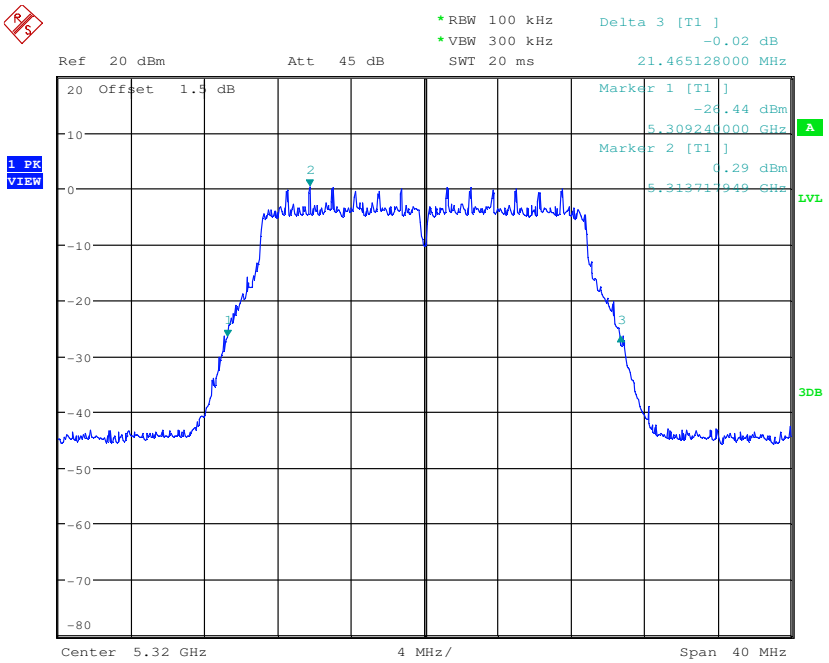
Test mode:	802.11 ac20	Frequency(MHz):	5300



Test mode:	802.11 ac20	Frequency(MHz):	5320



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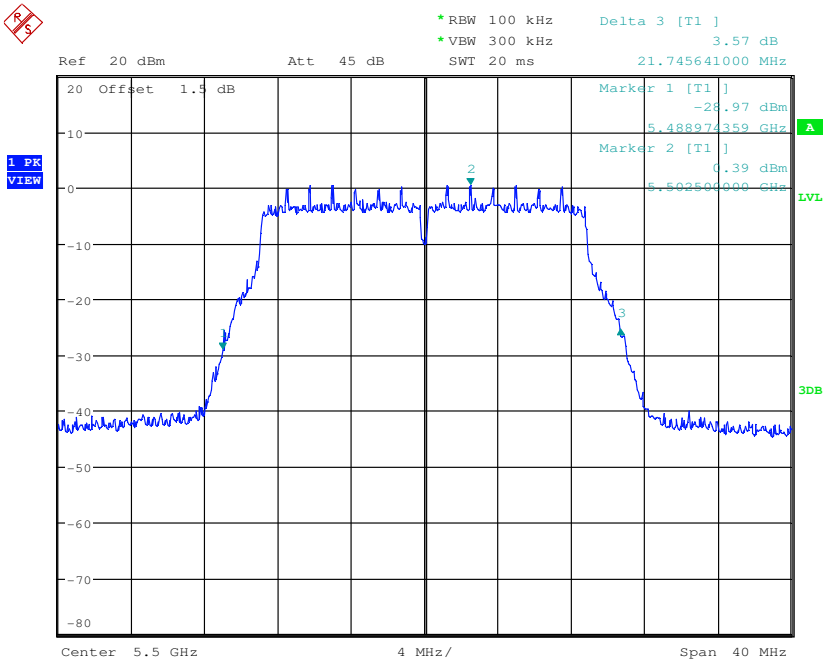
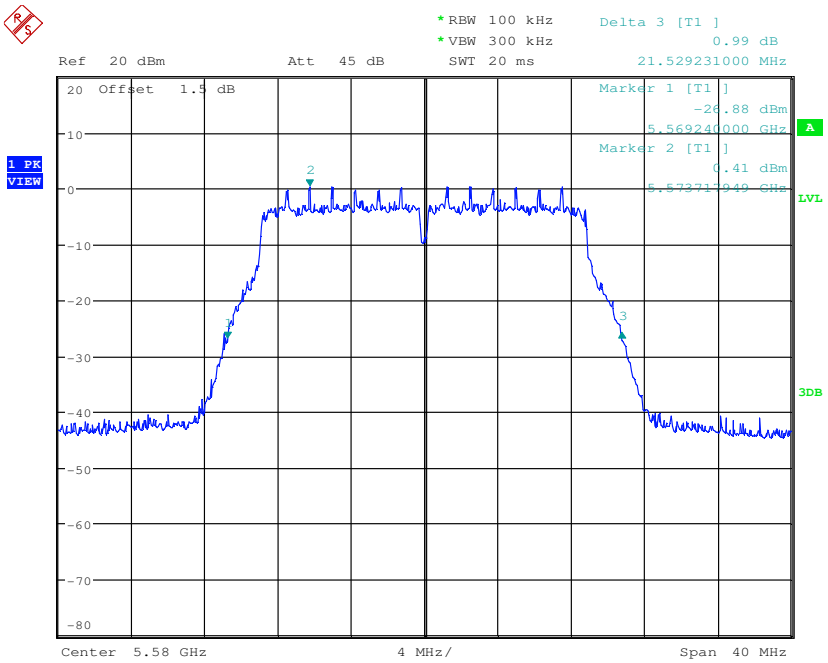
Test mode:	802.11 ac20	Frequency(MHz):	5500



Test mode:	802.11 ac20	Frequency(MHz):	5580



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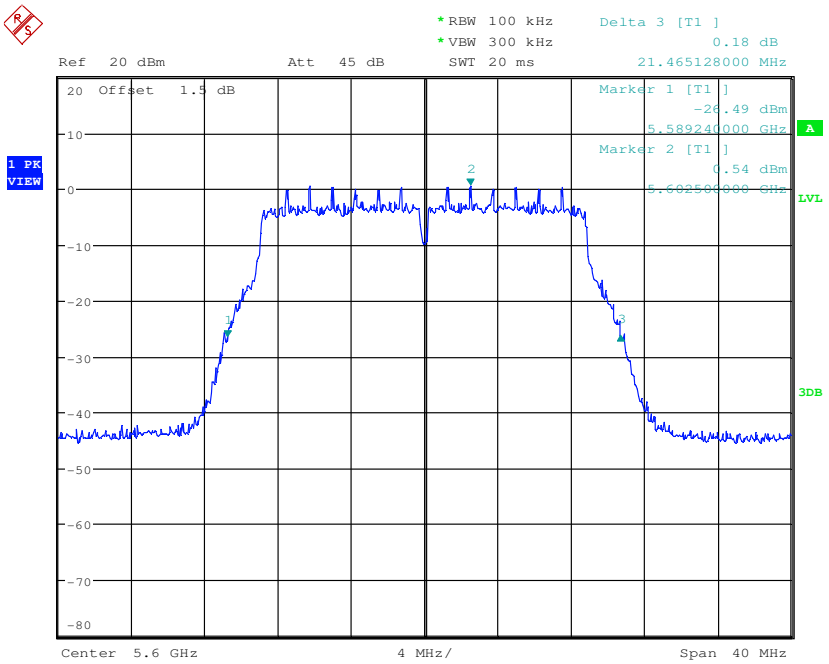
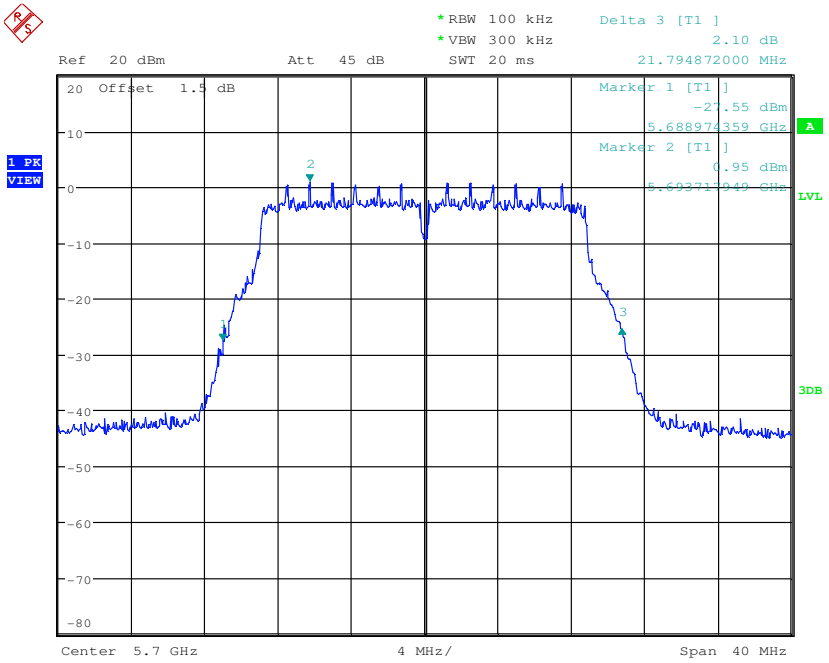
Test mode:	802.11 ac20	Frequency(MHz):	5600



Test mode:	802.11 ac20	Frequency(MHz):	5700



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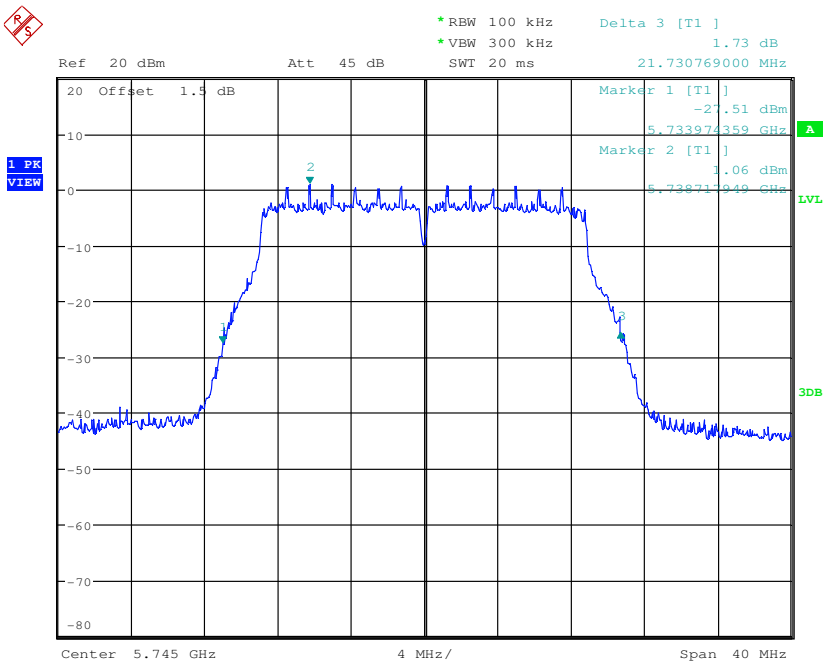
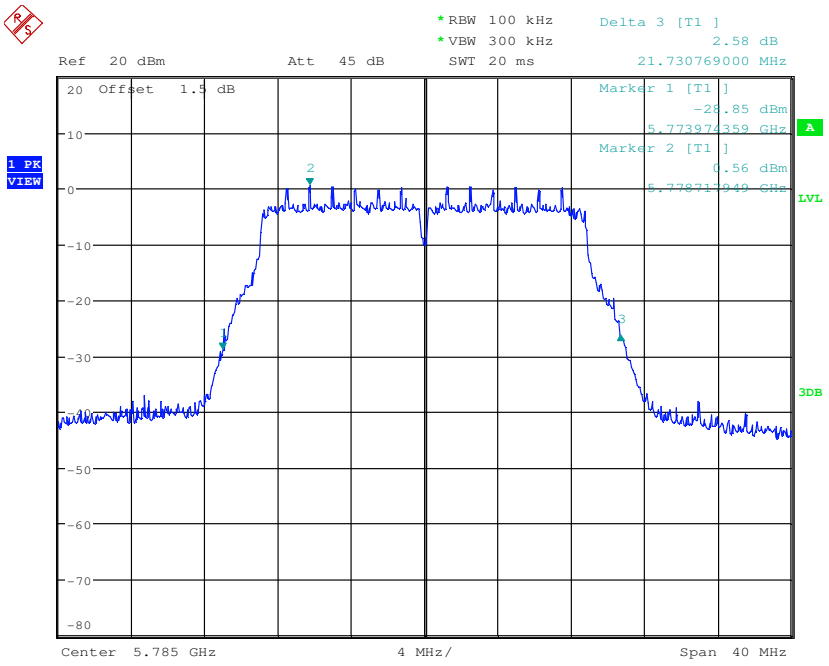
Test mode:	802.11 ac20	Frequency(MHz):	5745



Test mode:	802.11 ac20	Frequency(MHz):	5785



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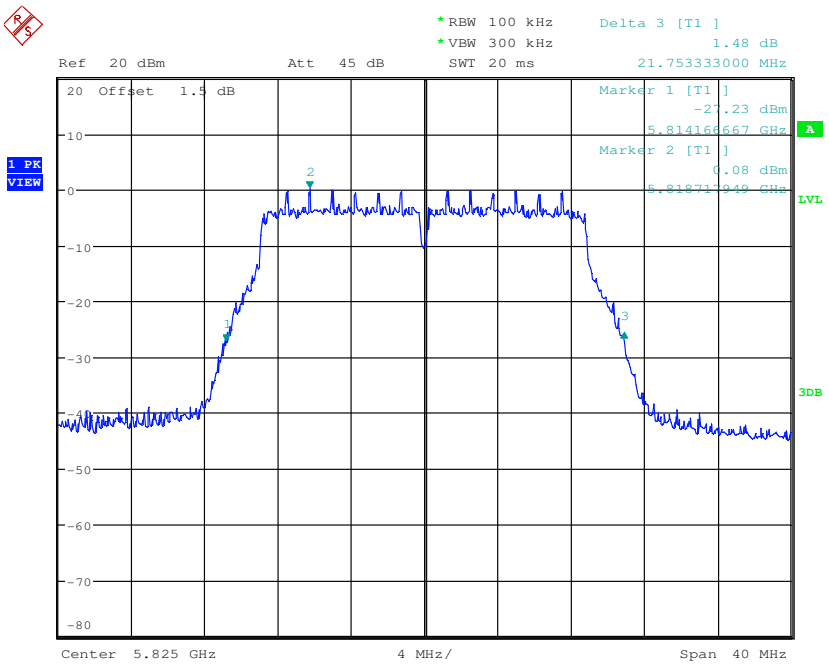
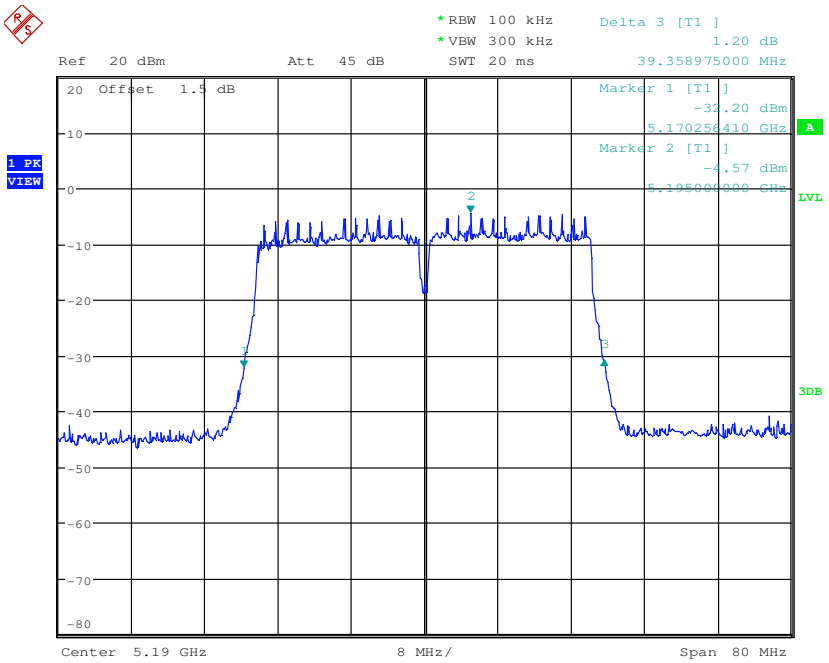
Test mode:	802.11 ac20	Frequency(MHz):	5825



Test mode:	802.11 n40	Frequency(MHz):	5190



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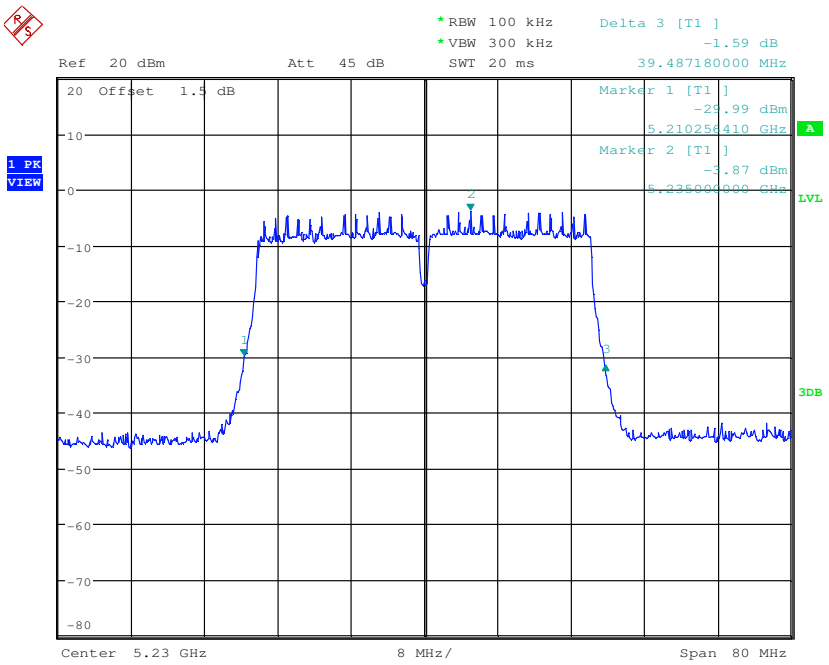
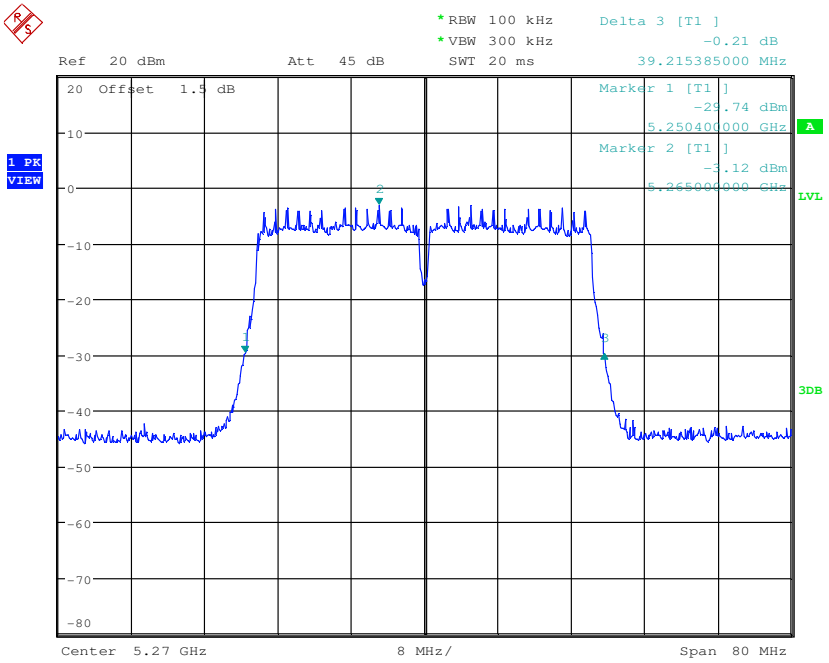
Test mode:	802.11 n40	Frequency(MHz):	5230



Test mode:	802.11 n40	Frequency(MHz):	5270



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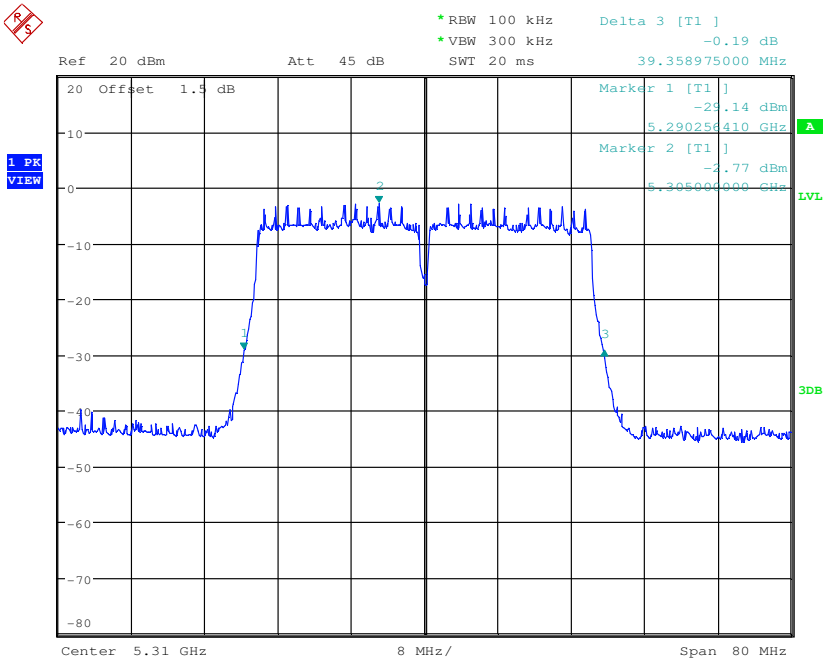
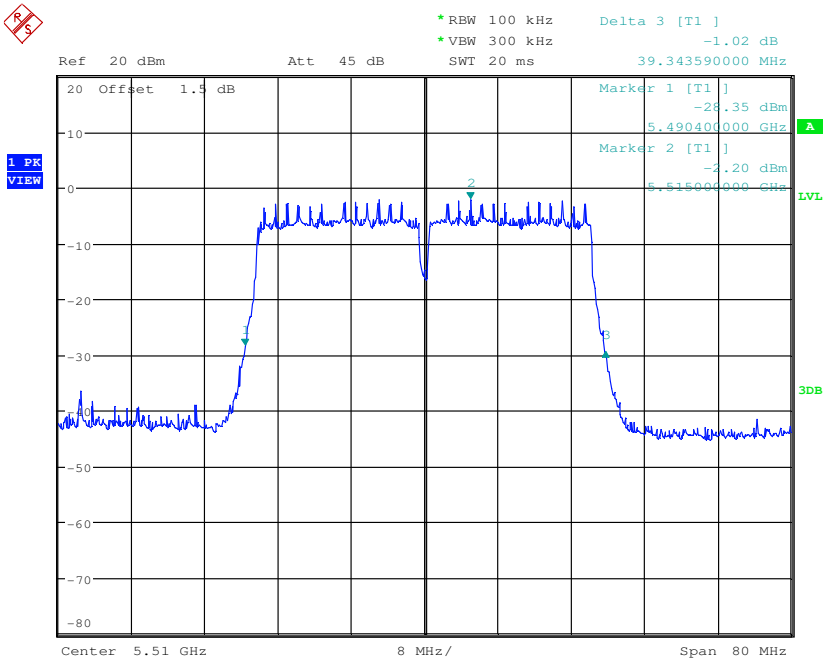
Test mode:	802.11 n40	Frequency(MHz):	5310



Test mode:	802.11 n40	Frequency(MHz):	5510



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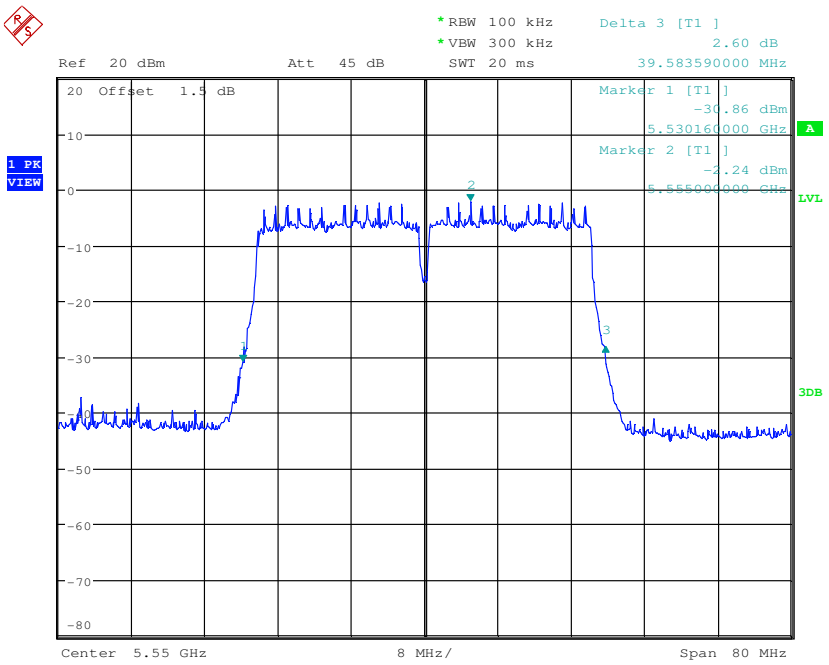
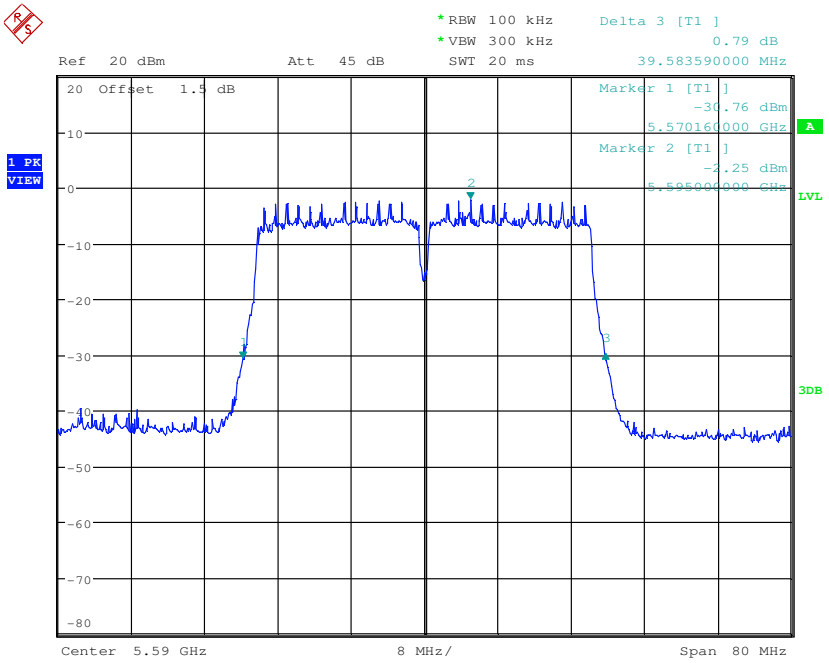
Test mode:	802.11 n40	Frequency(MHz):	5550



Test mode:	802.11 n40	Frequency(MHz):	5590



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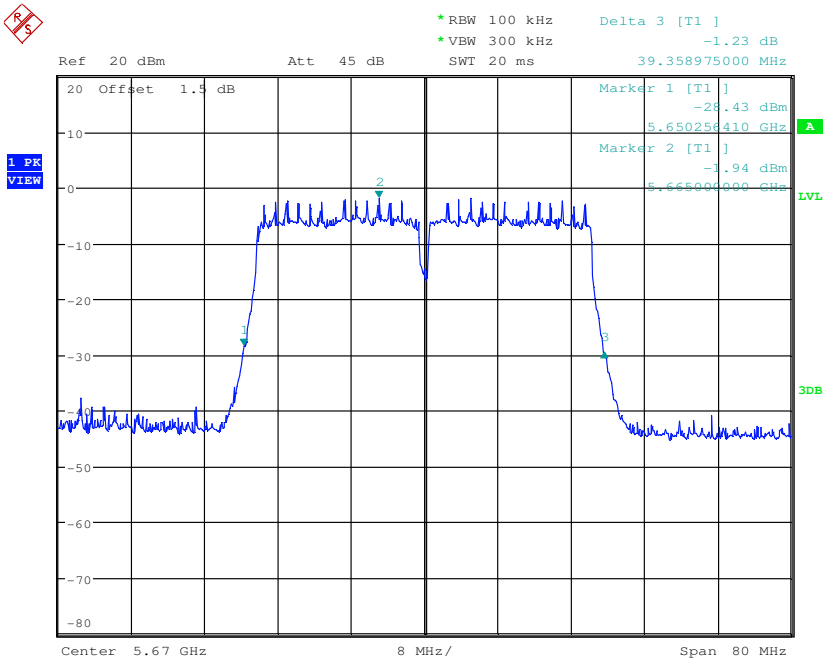
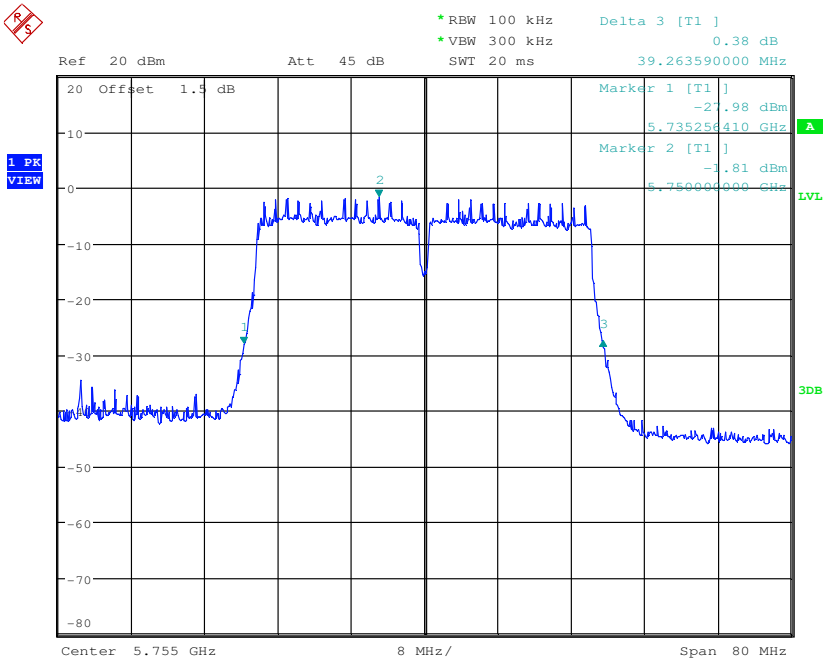
Test mode:	802.11 n40	Frequency(MHz):	5670



Test mode:	802.11 n40	Frequency(MHz):	5755



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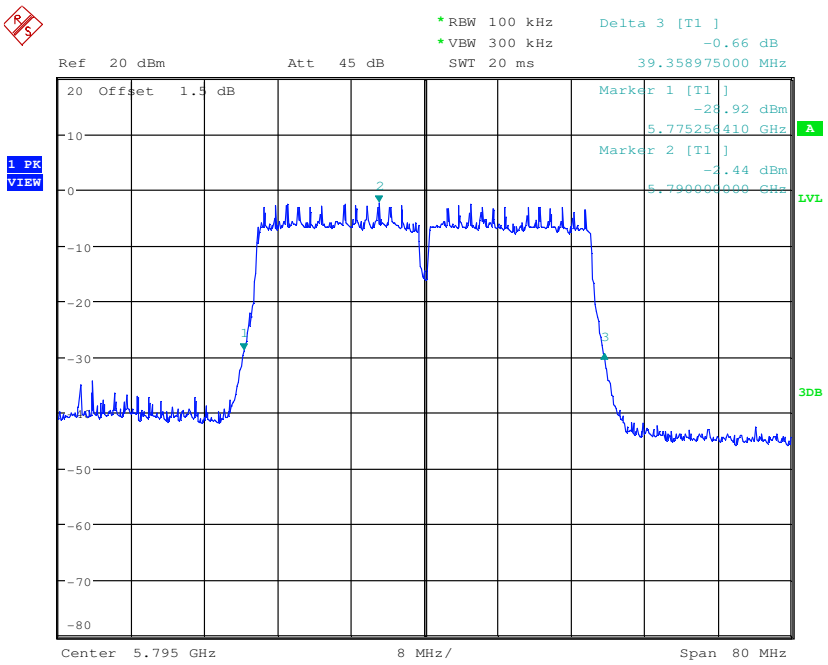
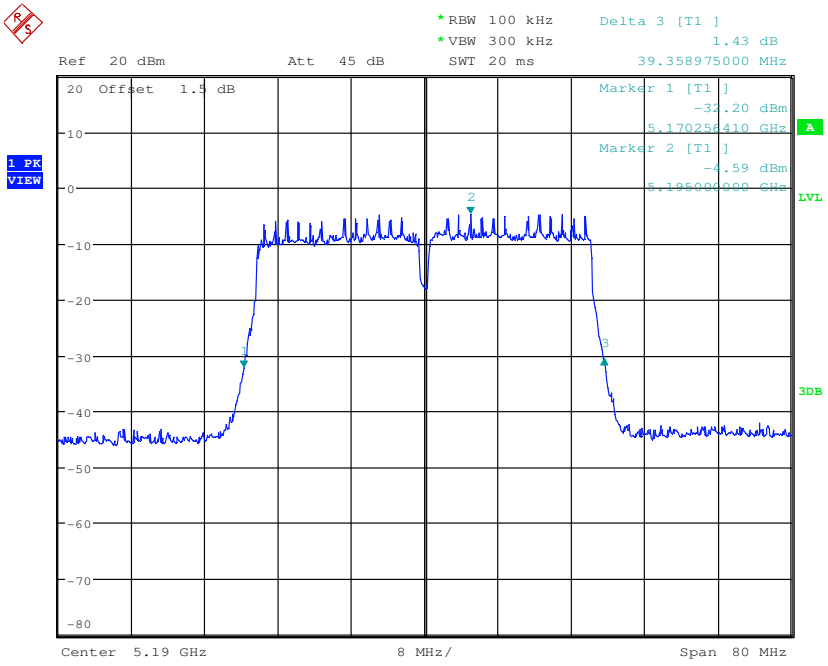
Test mode:	802.11 n40	Frequency(MHz):	5795



Test mode:	802.11 ac40	Frequency(MHz):	5190



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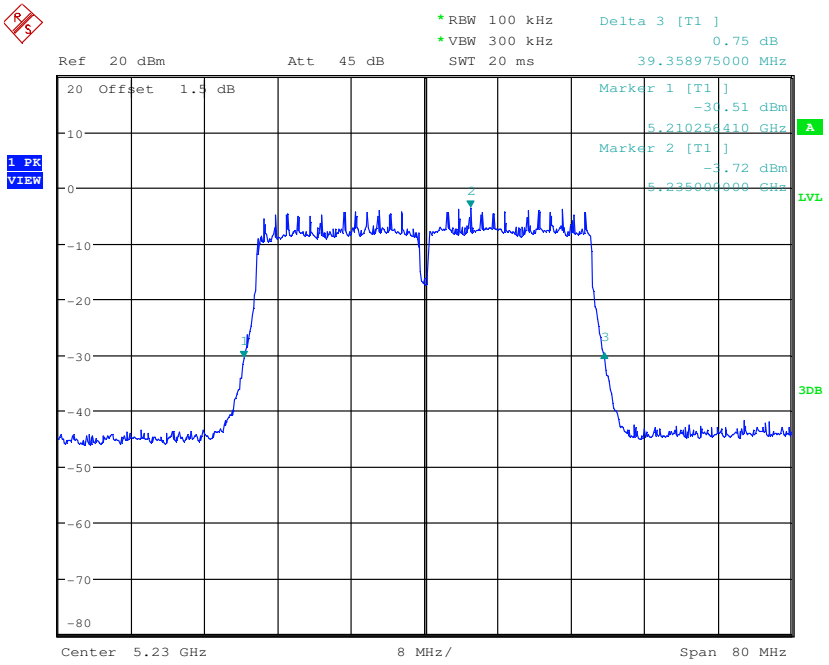
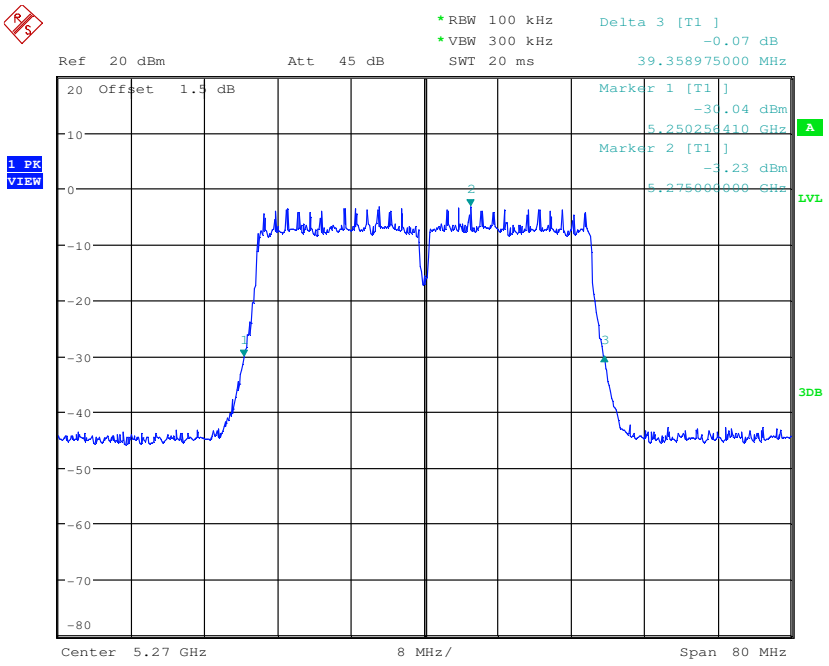
Test mode:	802.11 ac40	Frequency(MHz):	5230



Test mode:	802.11 ac40	Frequency(MHz):	5270



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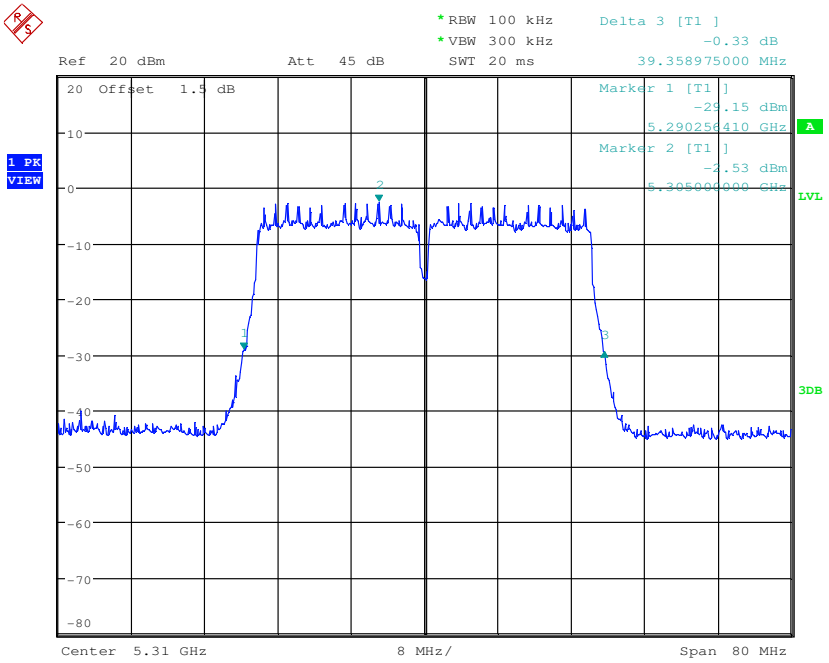
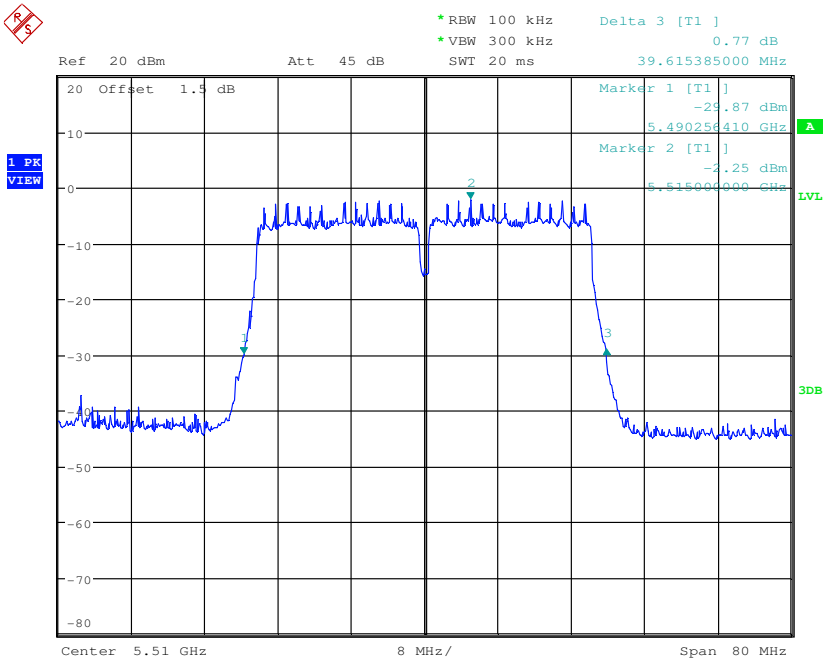
Test mode:	802.11 ac40	Frequency(MHz):	5310



Test mode:	802.11 ac40	Frequency(MHz):	5510



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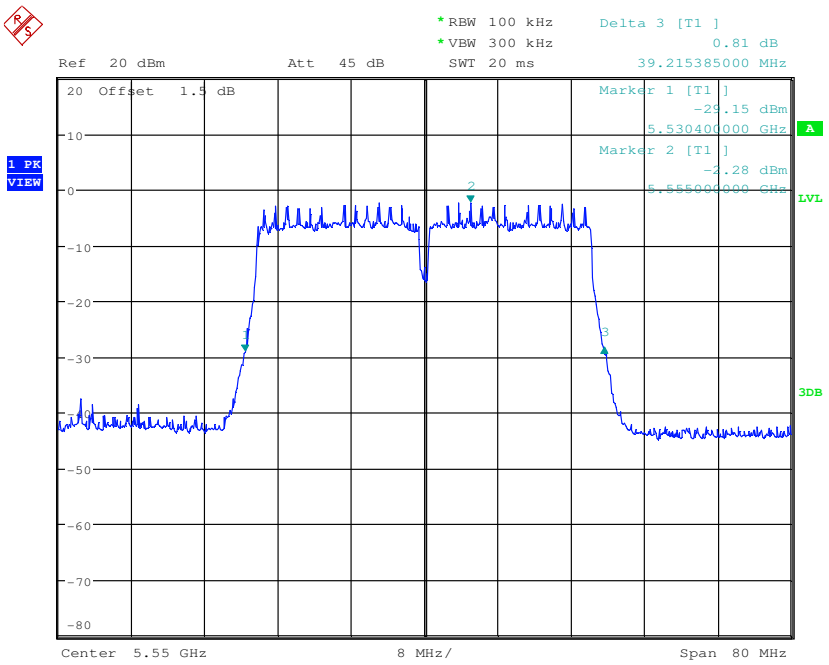
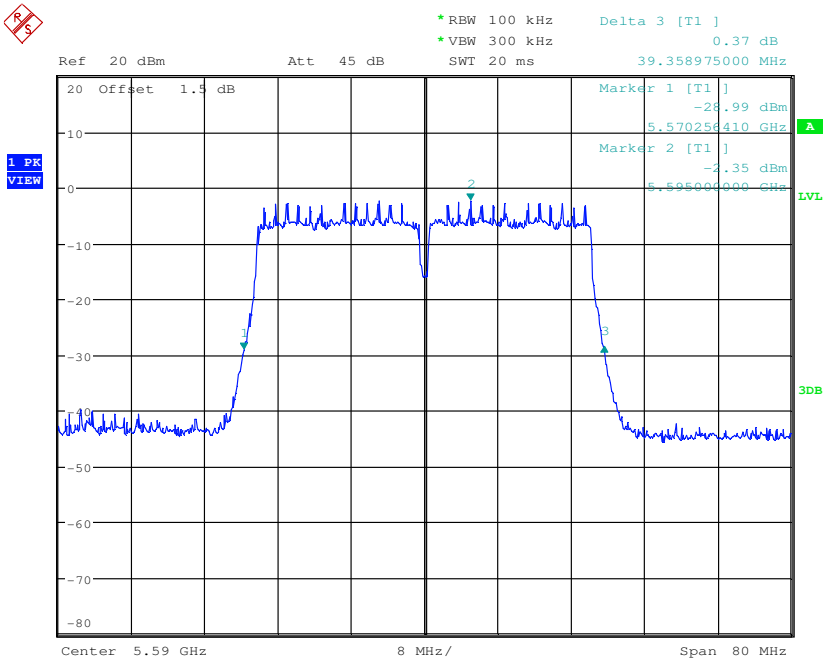
Test mode:	802.11 ac40	Frequency(MHz):	5550



Test mode:	802.11 ac40	Frequency(MHz):	5590



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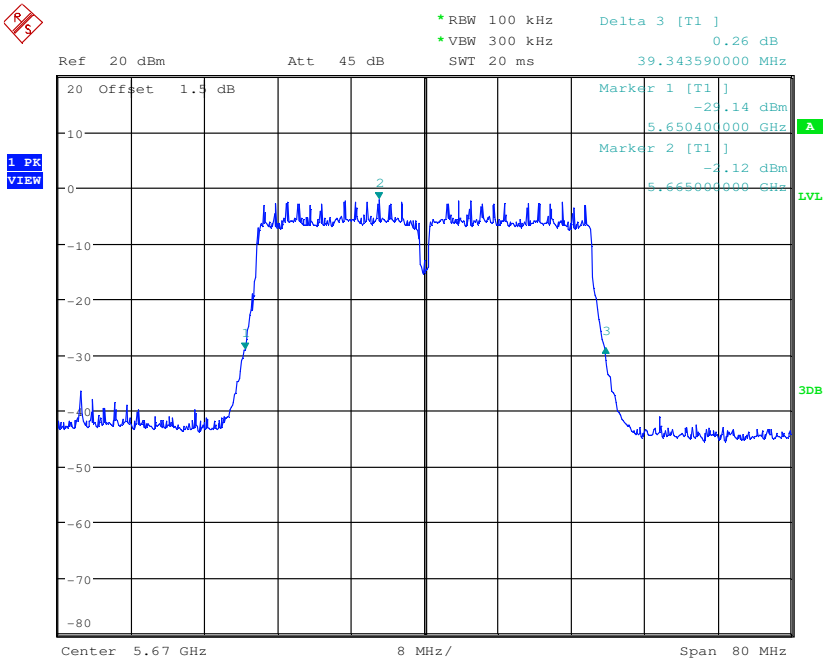
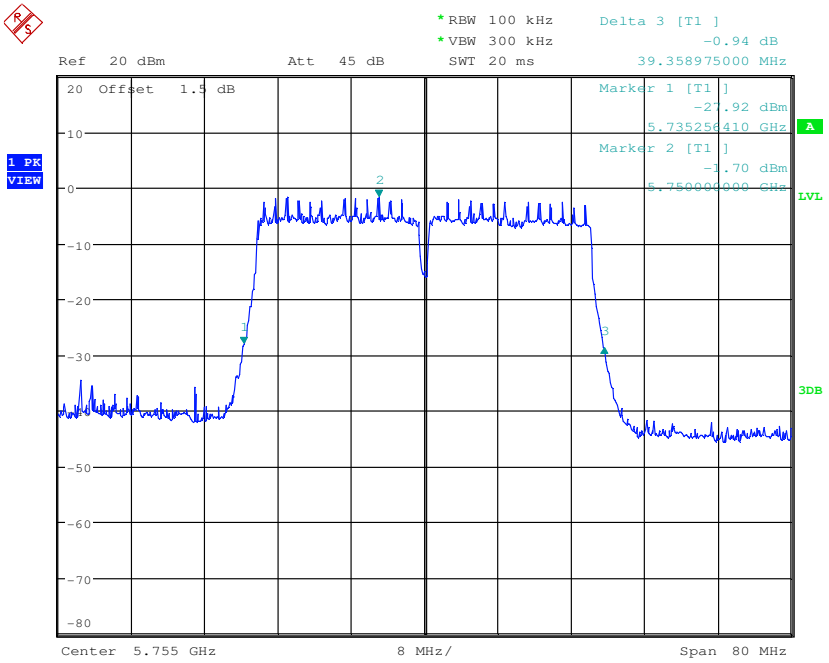
Test mode:	802.11 ac40	Frequency(MHz):	5670



Test mode:	802.11 ac40	Frequency(MHz):	5755



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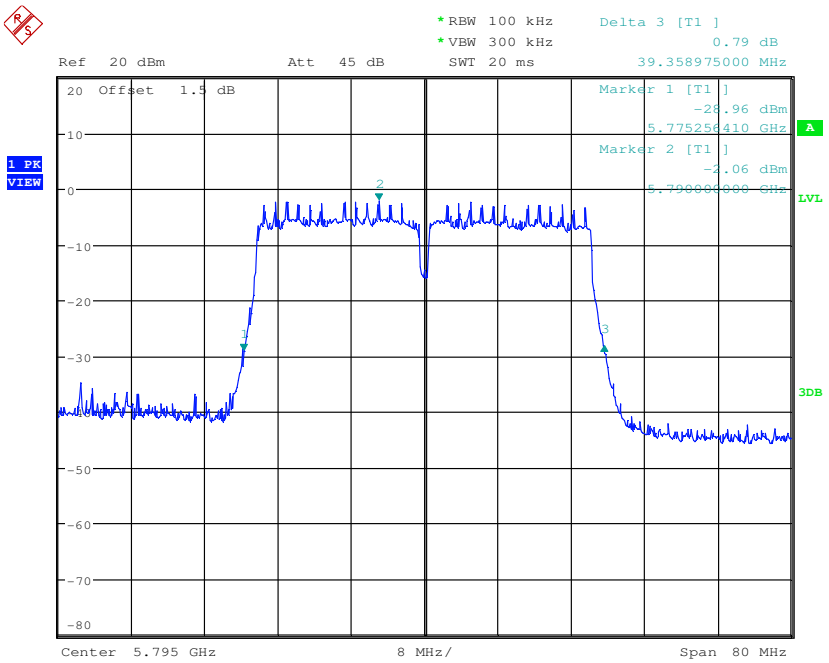
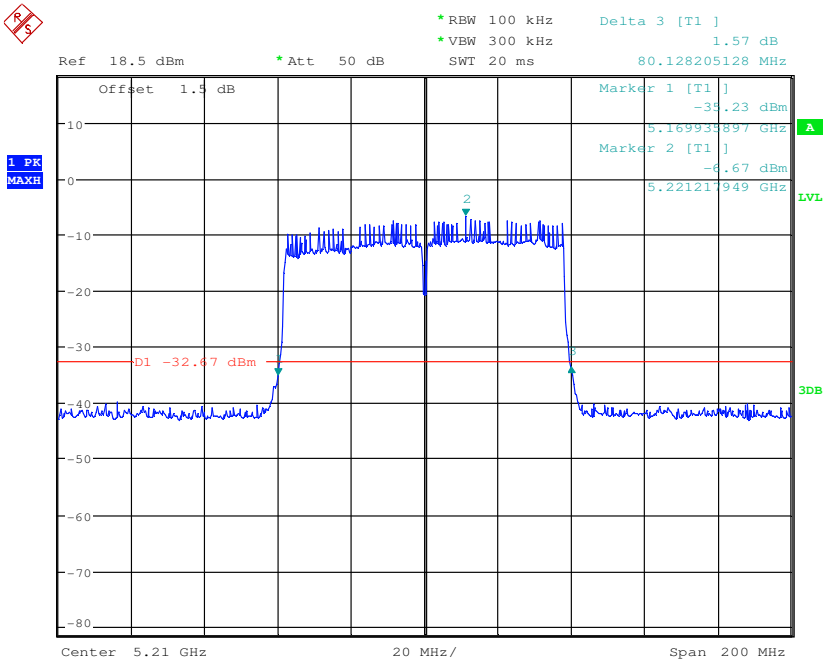
Test mode:	802.11 ac40	Frequency(MHz):	5795



Test mode:	802.11 ac80	Frequency(MHz):	5210



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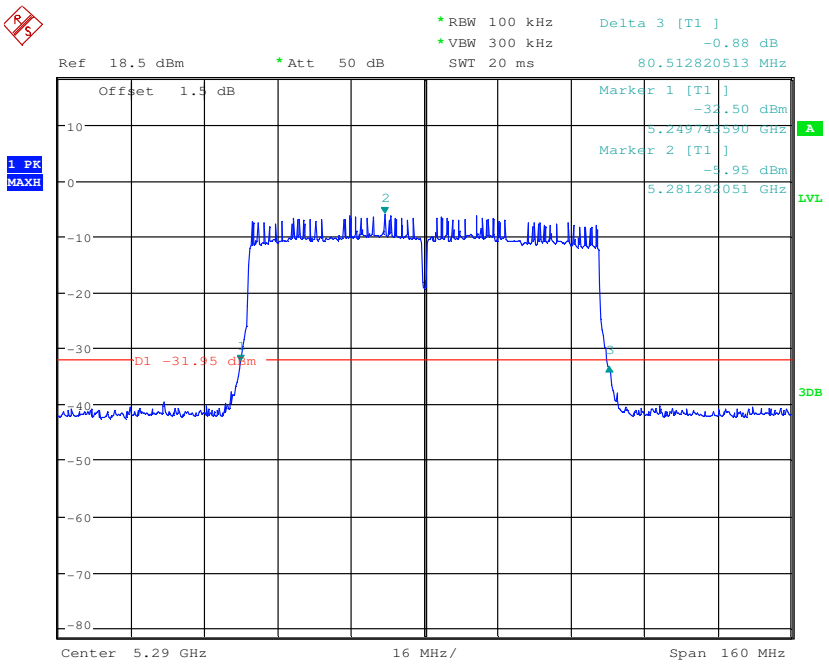
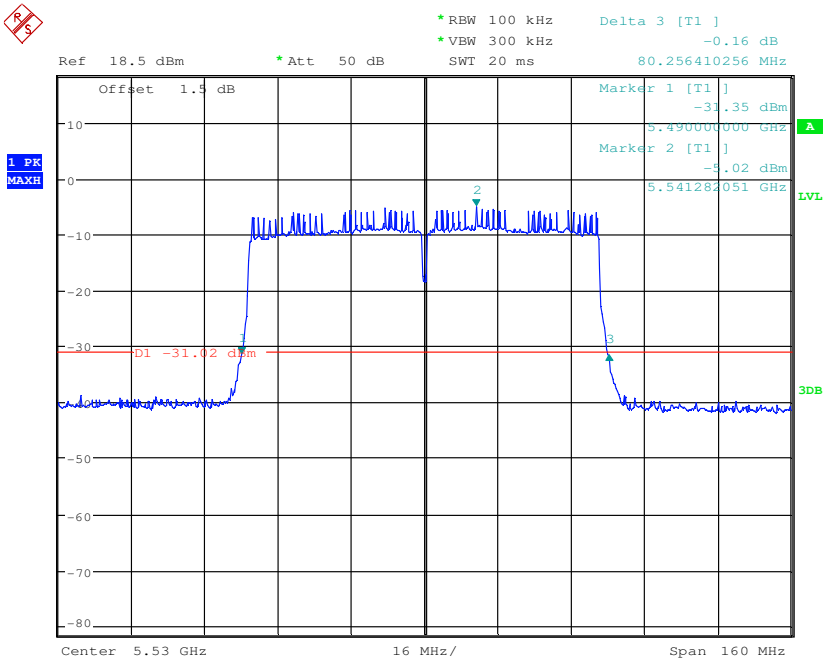
Test mode:	802.11 ac80	Frequency(MHz):	5290



Test mode:	802.11 ac80	Frequency(MHz):	5530



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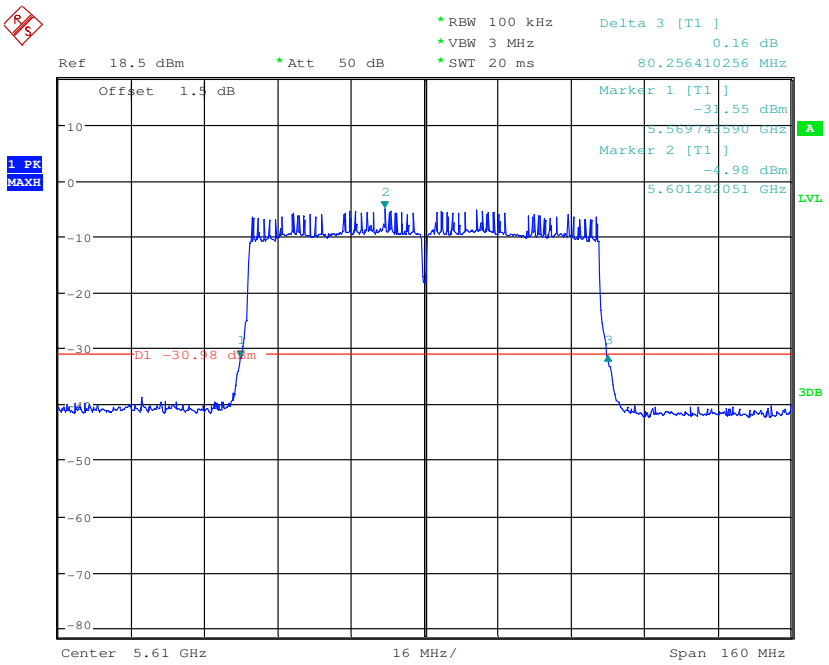
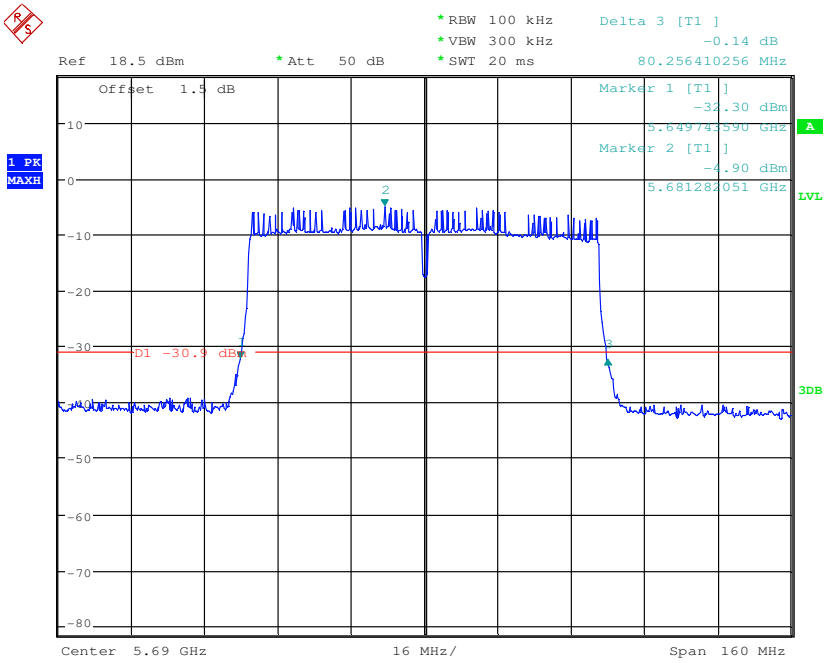
Test mode:	802.11 ac80	Frequency(MHz):	5610



Test mode:	802.11 ac80	Frequency(MHz):	5690



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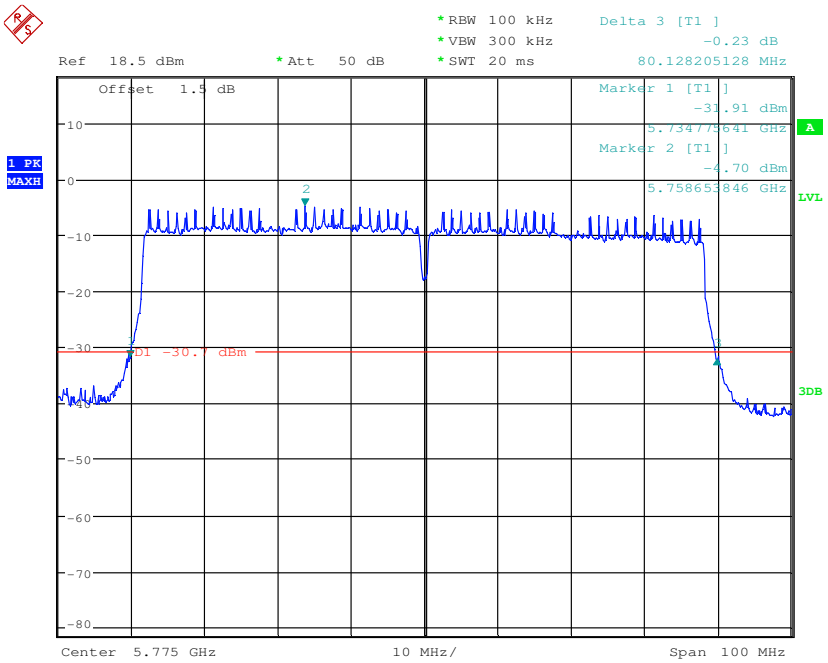
Test mode:	802.11 ac80	Frequency(MHz):	5775



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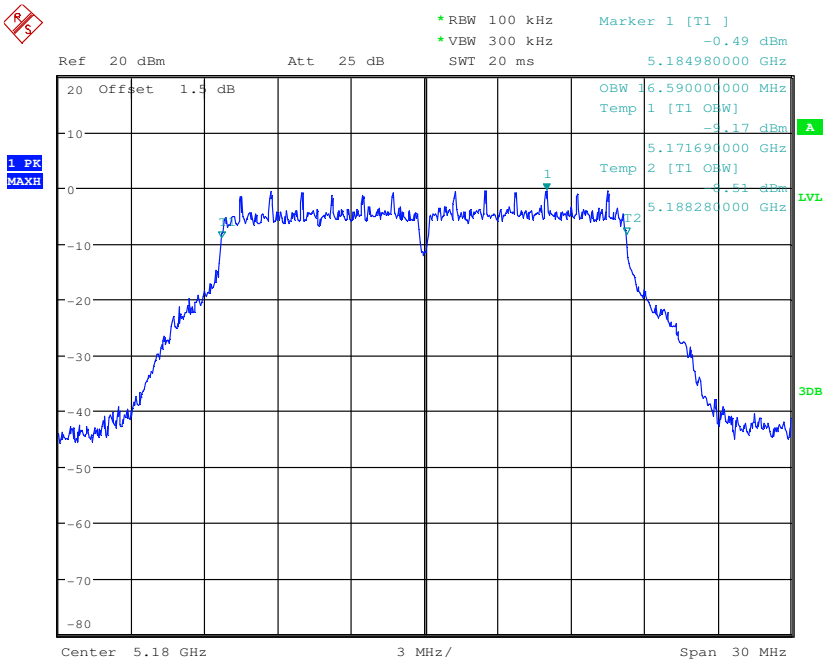
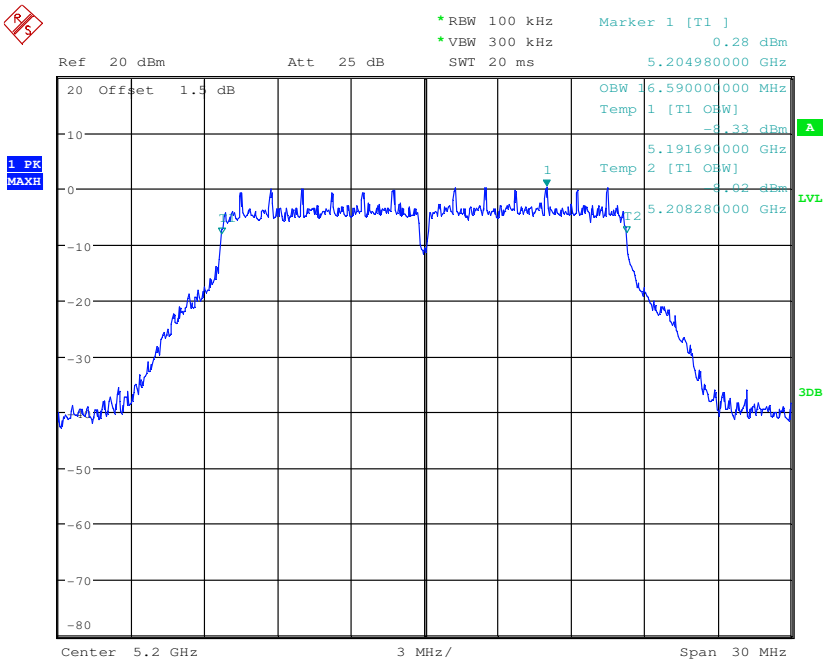
99% occupied bandwidth
Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180



Test mode:	802.11a	Frequency(MHz):	5200



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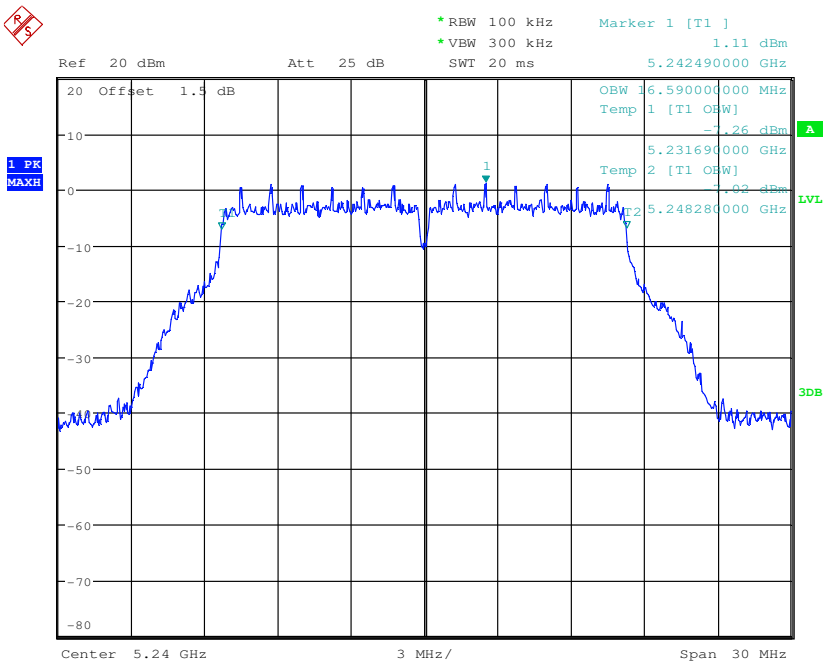
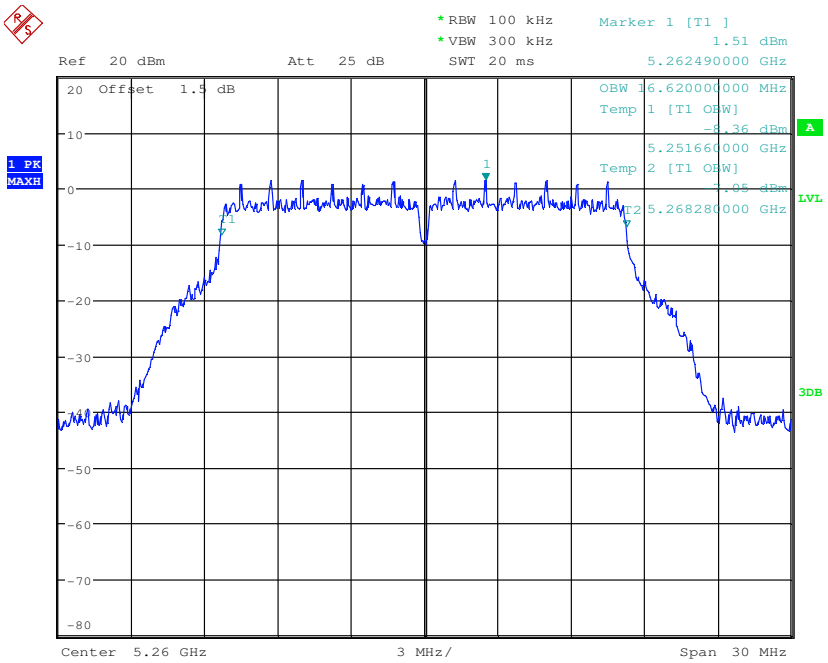
Test mode:	802.11a	Frequency(MHz):	5240



Test mode:	802.11a	Frequency(MHz):	5260



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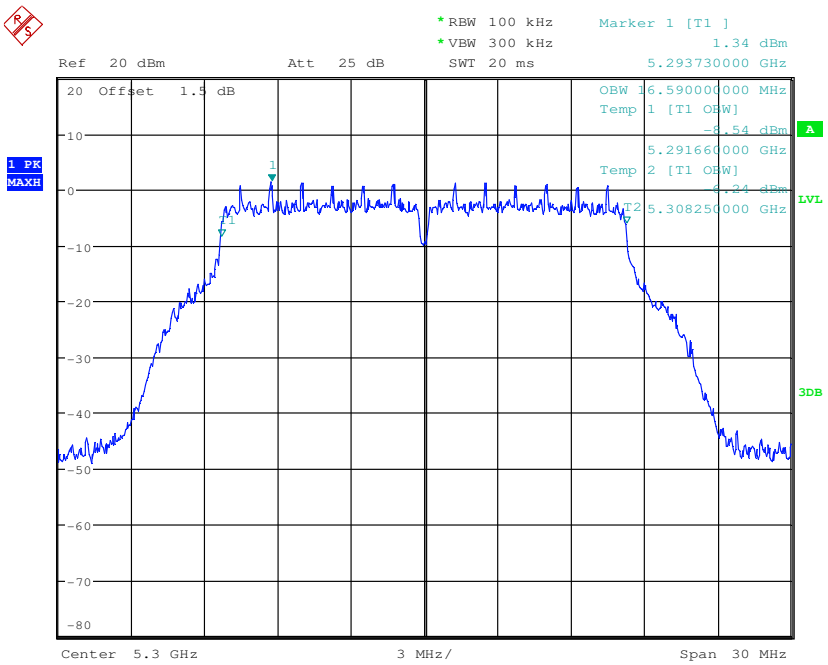
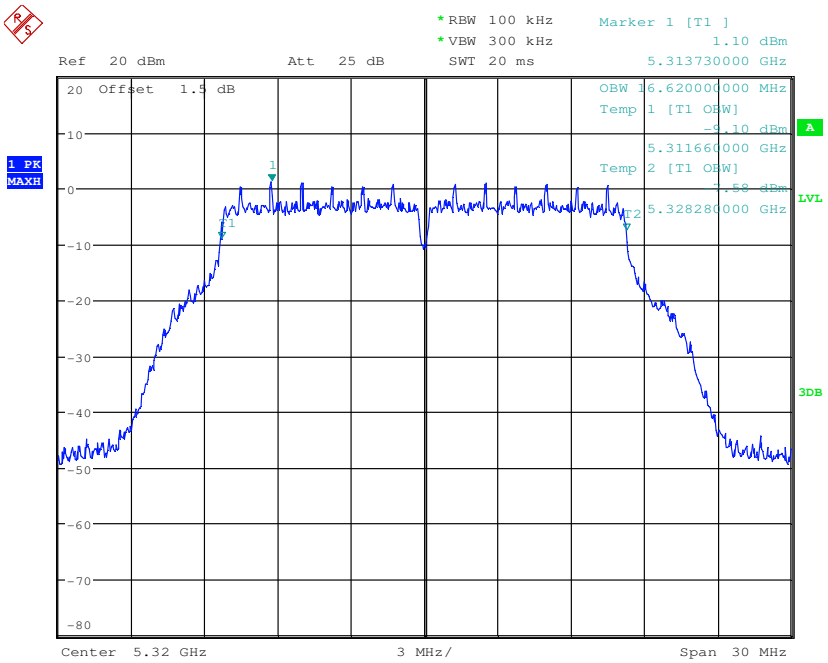
Test mode:	802.11a	Frequency(MHz):	5300



Test mode:	802.11a	Frequency(MHz):	5320



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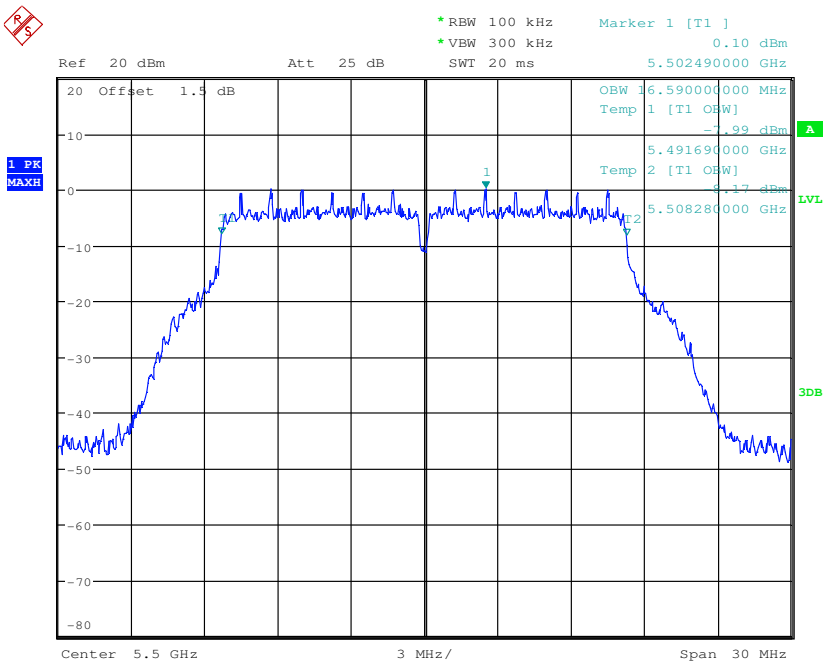
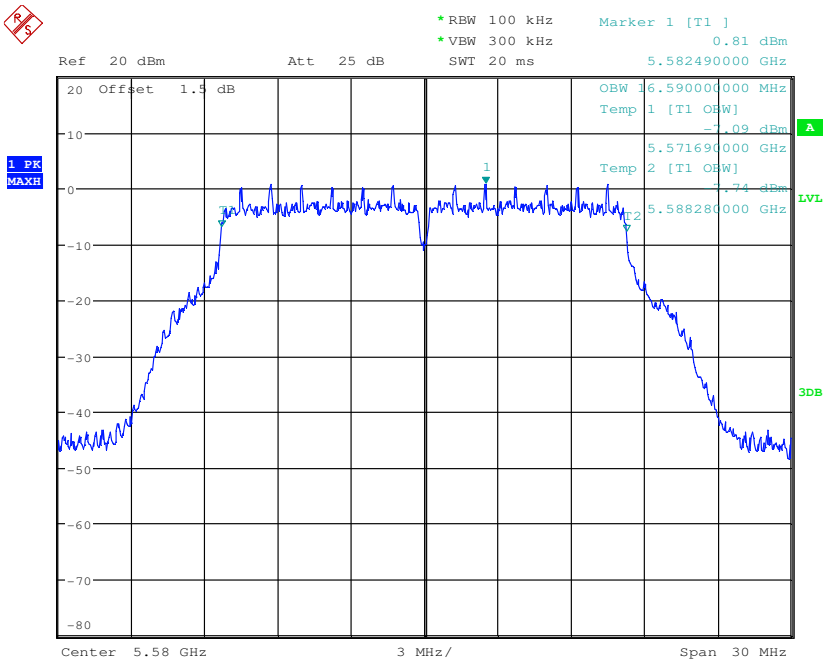
Test mode:	802.11a	Frequency(MHz):	5500



Test mode:	802.11a	Frequency(MHz):	5580



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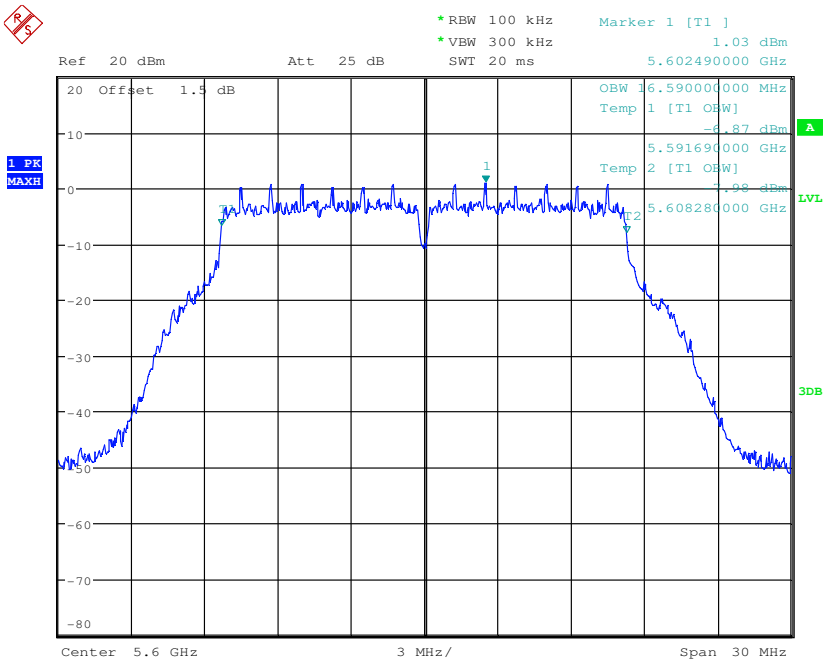
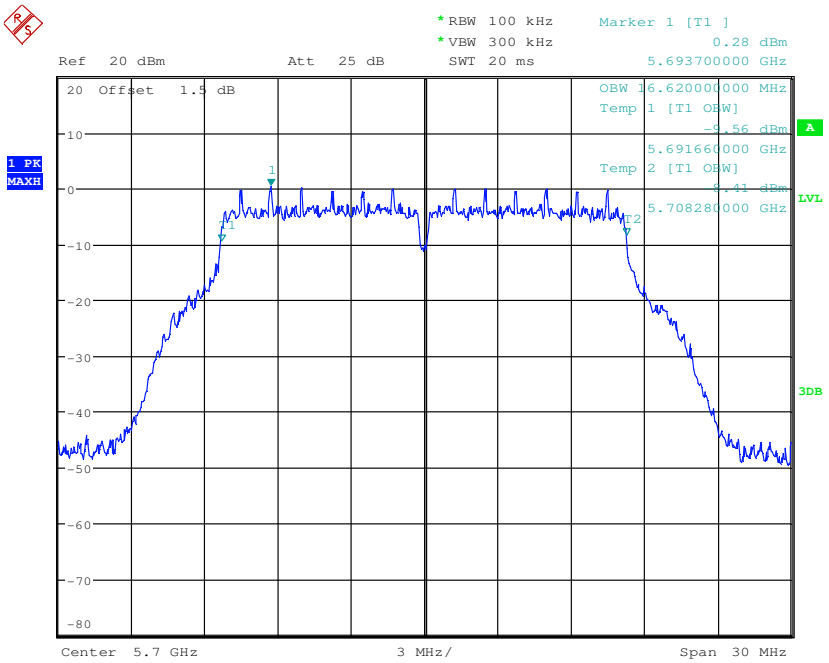
Test mode:	802.11a	Frequency(MHz):	5600



Test mode:	802.11a	Frequency(MHz):	5700



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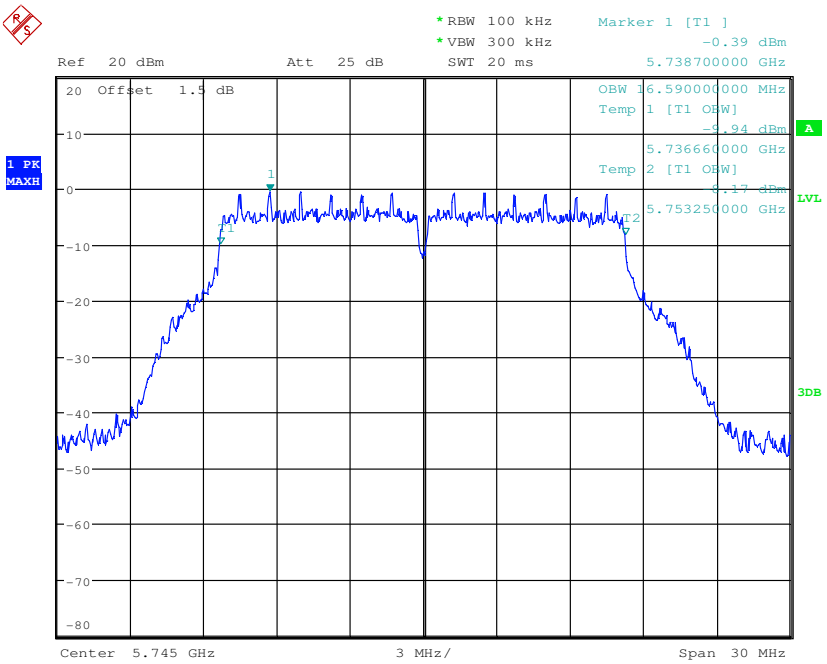
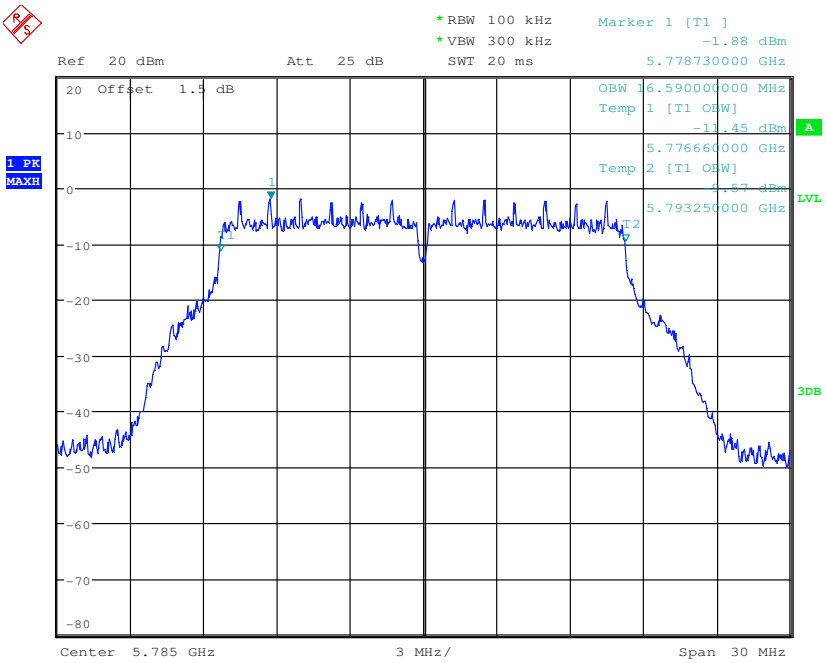
Test mode:	802.11a	Frequency(MHz):	5745



Test mode:	802.11a	Frequency(MHz):	5785



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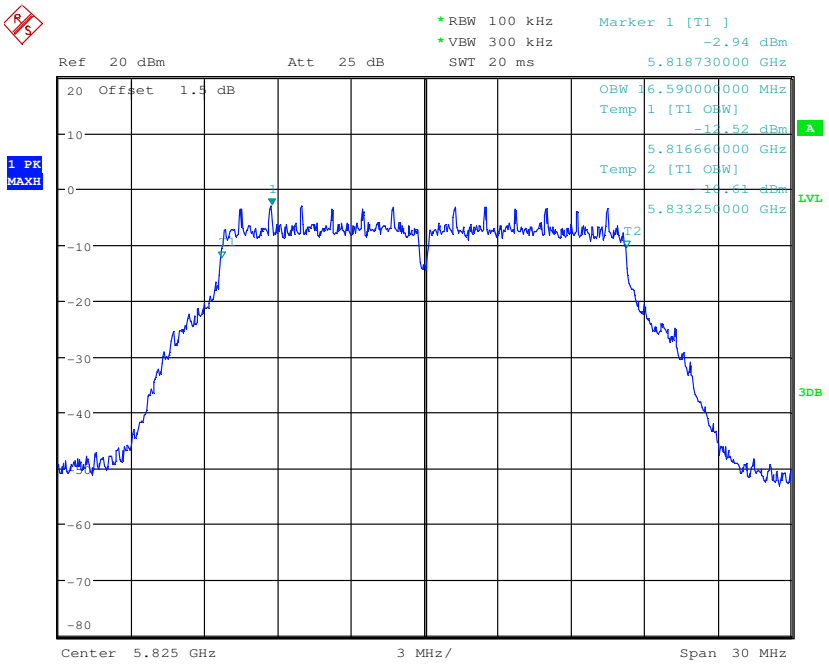
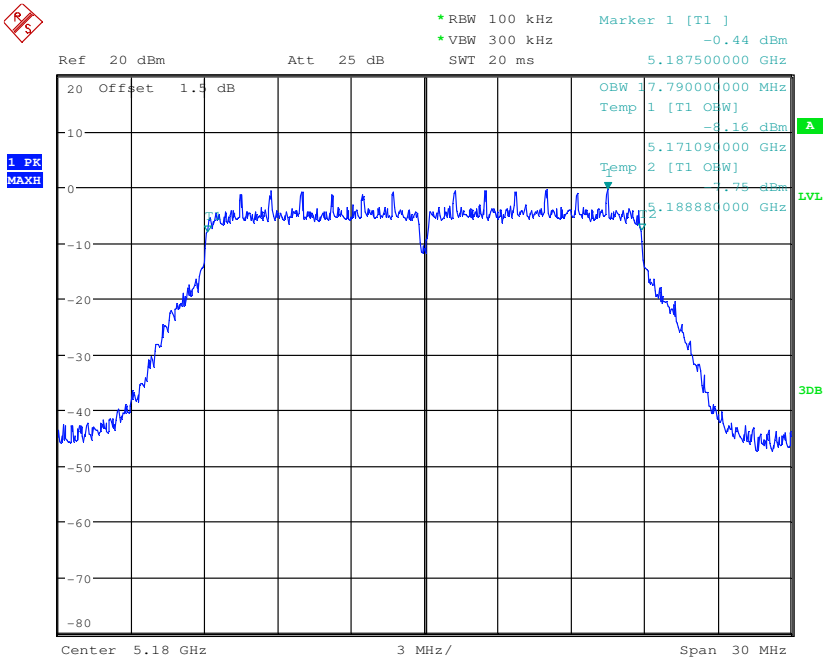
Test mode:	802.11a	Frequency(MHz):	5825



Test mode:	802.11 n20	Frequency(MHz):	5180



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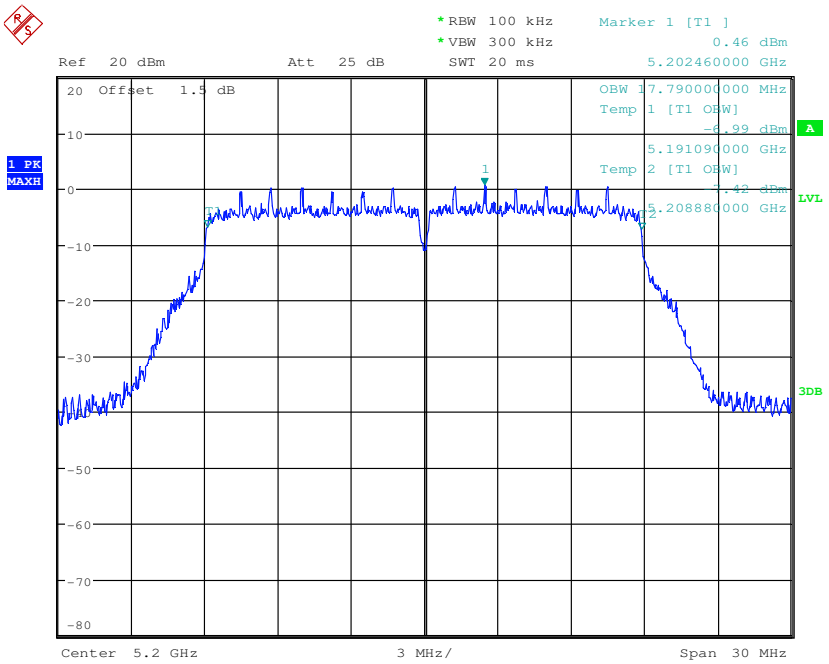
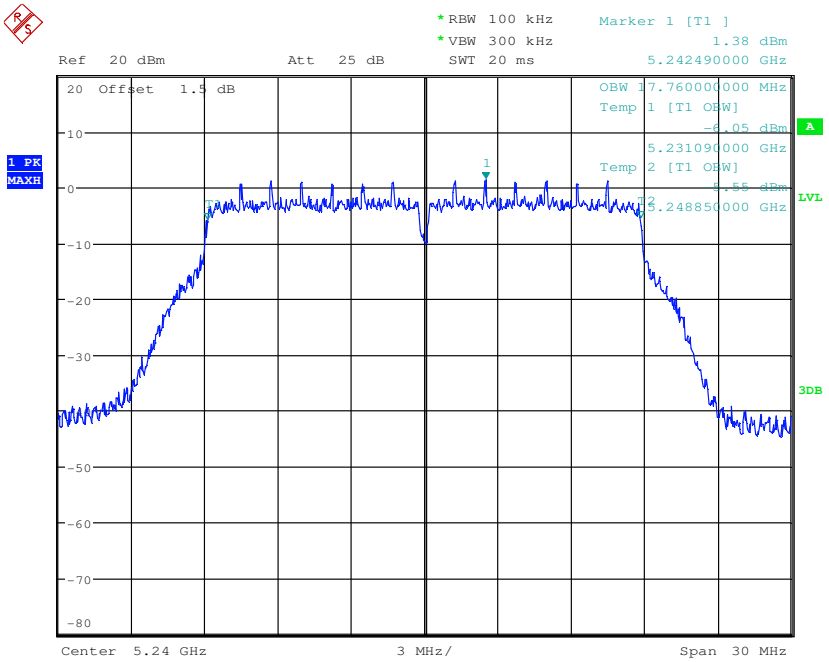
Test mode:	802.11 n20	Frequency(MHz):	5200



Test mode:	802.11 n20	Frequency(MHz):	5240



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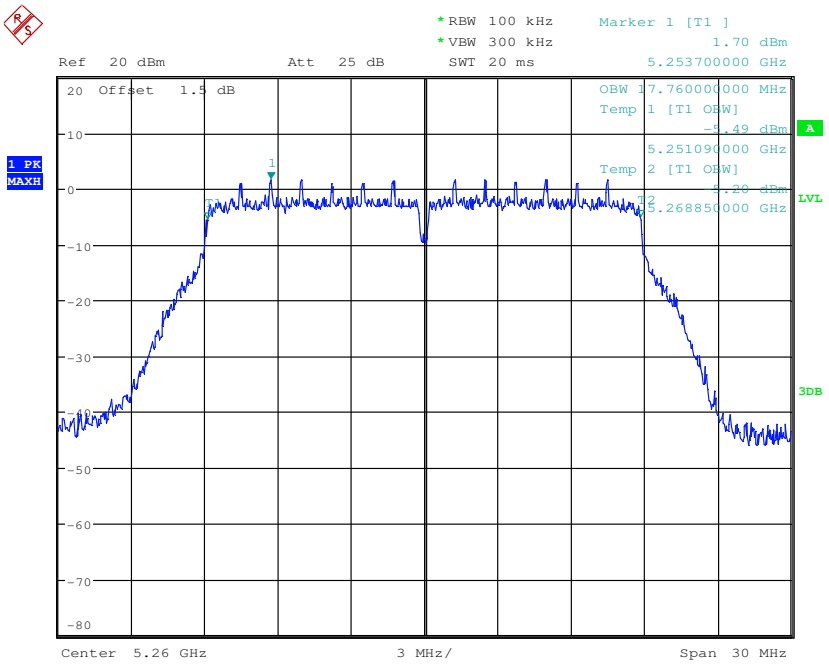
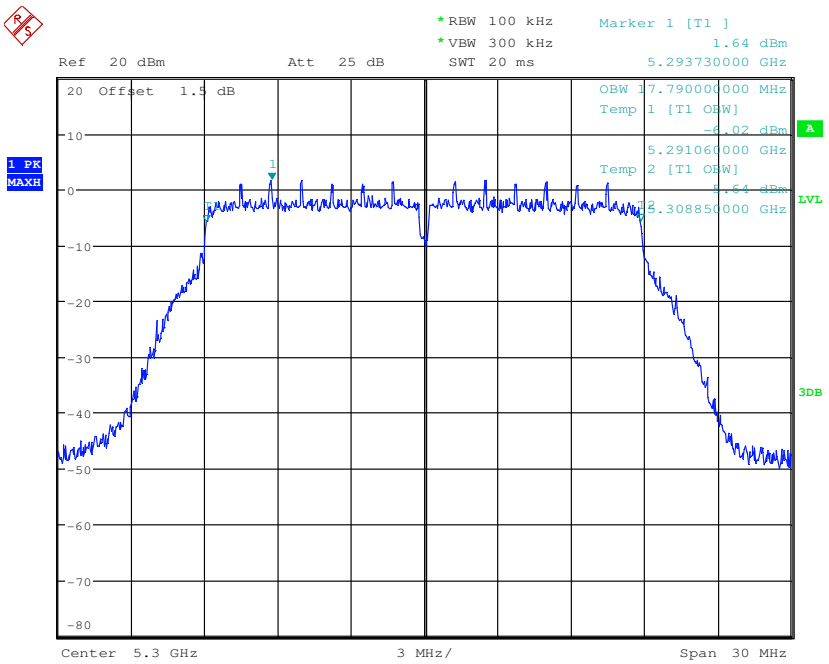
Test mode:	802.11 n20	Frequency(MHz):	5260



Test mode:	802.11 n20	Frequency(MHz):	5300



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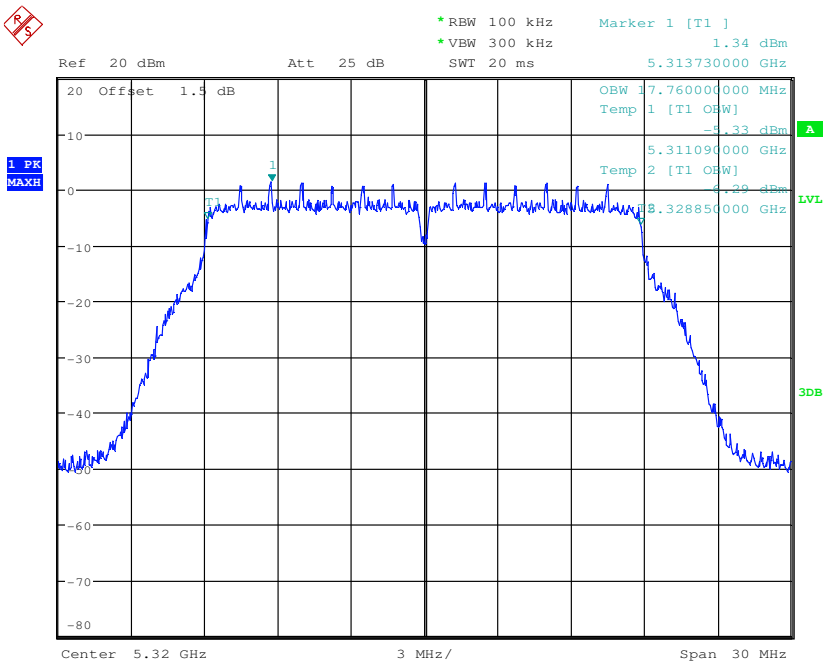
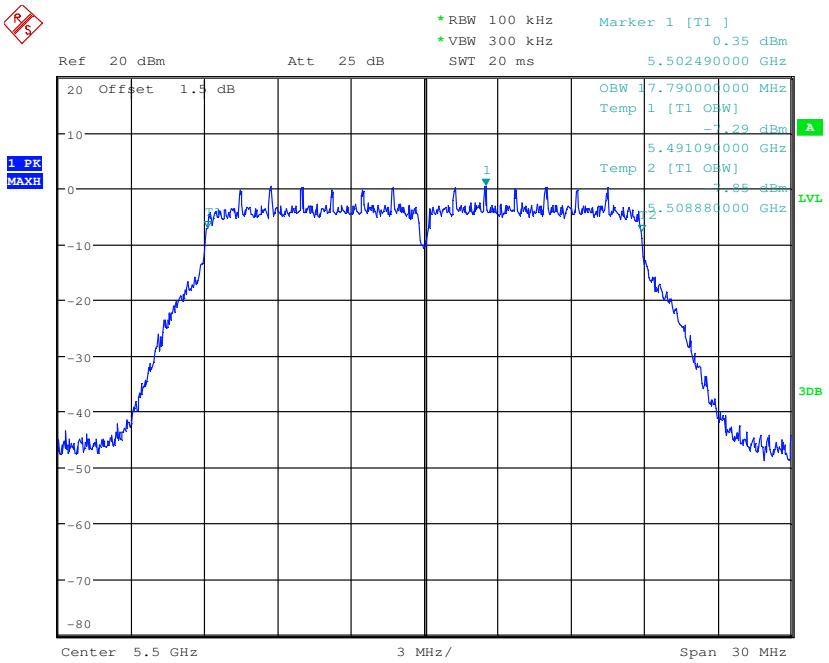
Test mode:	802.11 n20	Frequency(MHz):	5320



Test mode:	802.11 n20	Frequency(MHz):	5500



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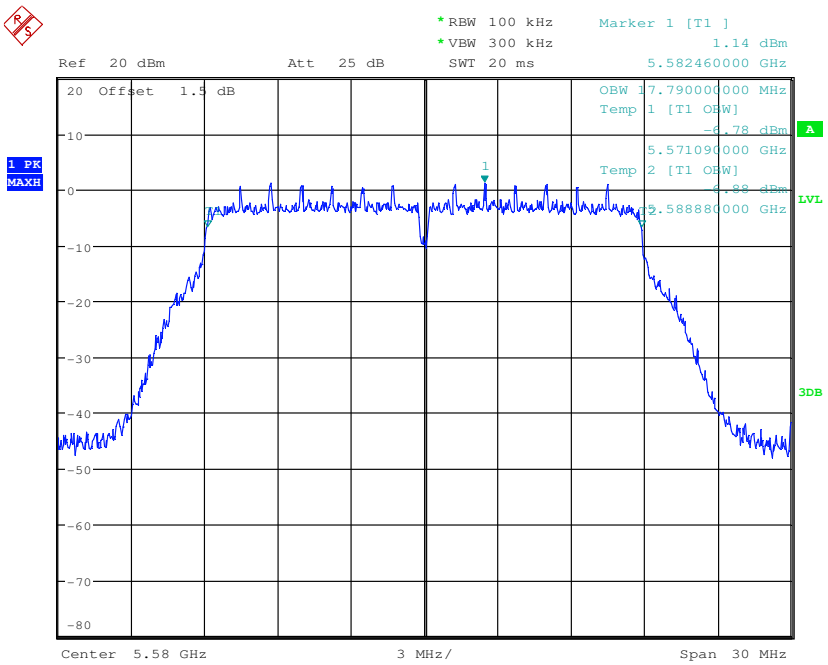
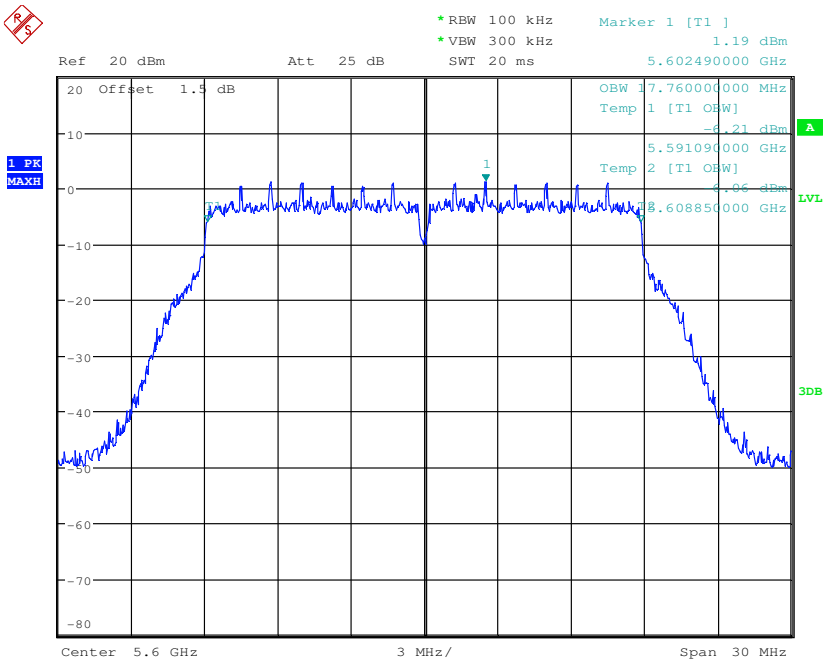
Test mode:	802.11 n20	Frequency(MHz):	5580



Test mode:	802.11 n20	Frequency(MHz):	5600



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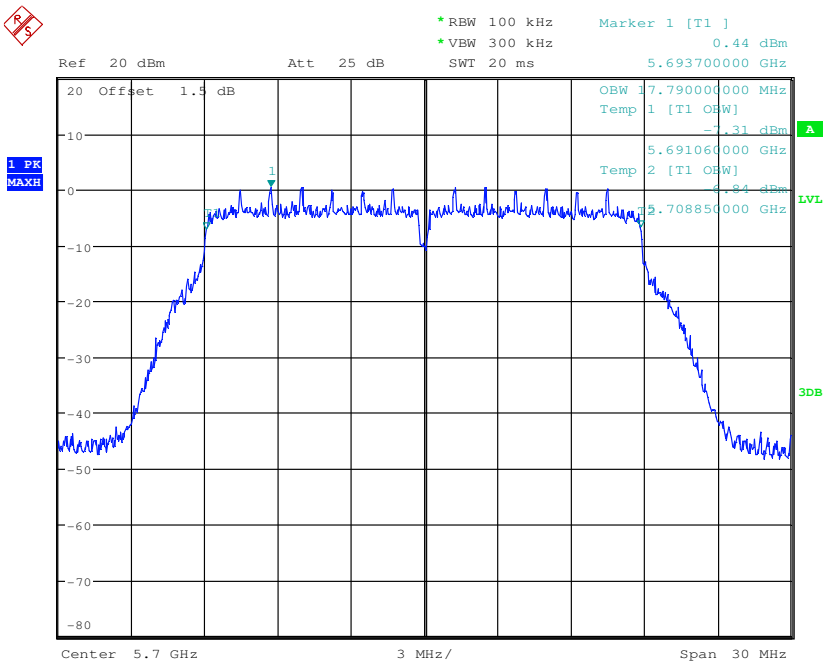
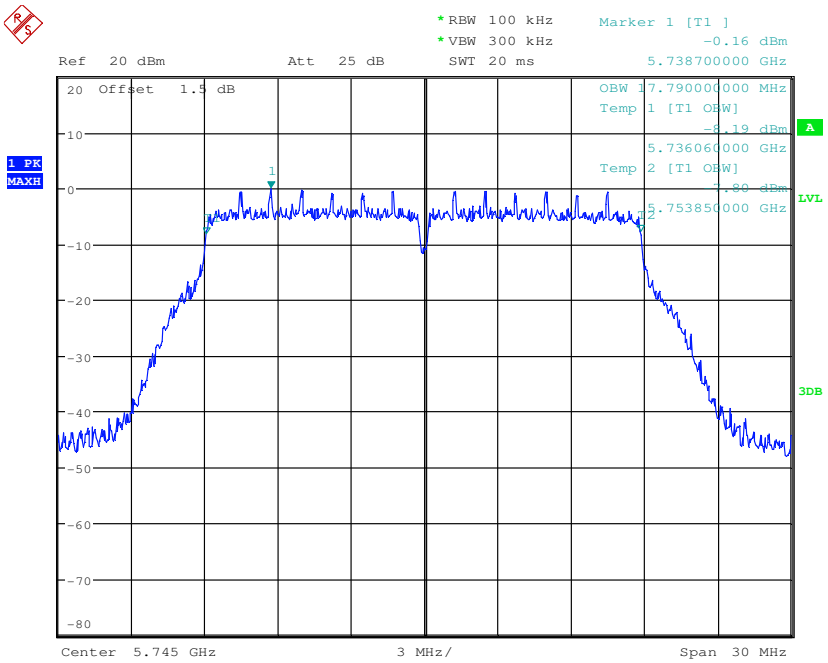
Test mode:	802.11 n20	Frequency(MHz):	5700



Test mode:	802.11 n20	Frequency(MHz):	5745



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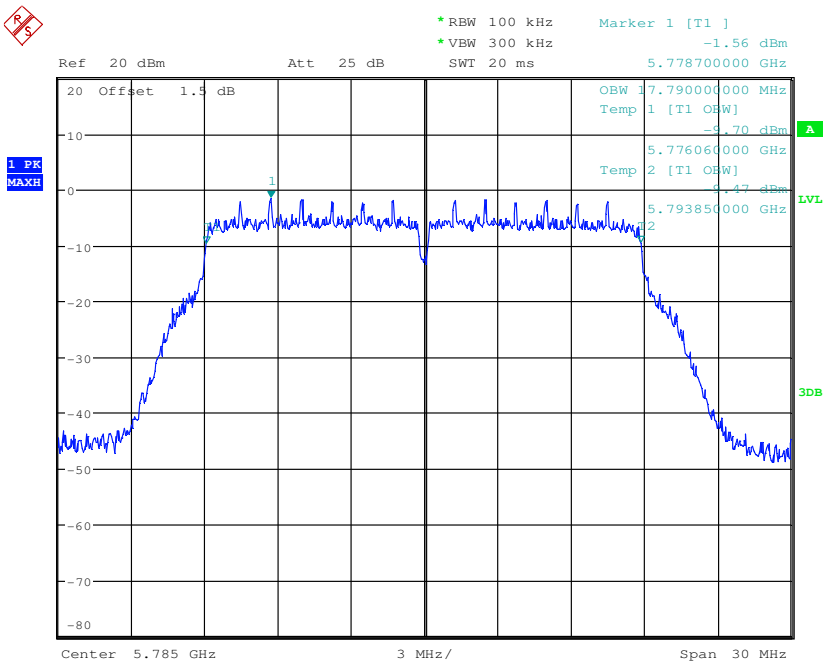
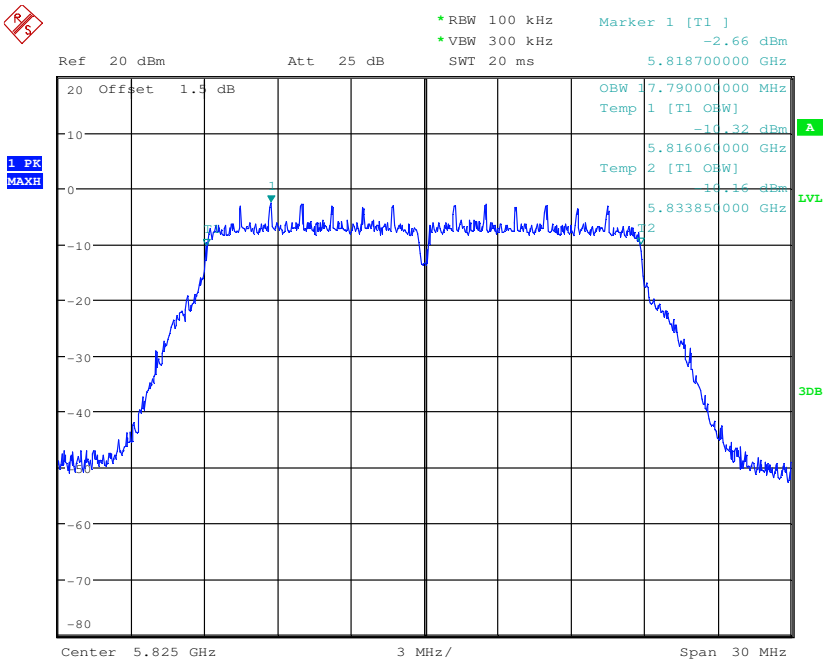
Test mode:	802.11 n20	Frequency(MHz):	5785



Test mode:	802.11 n20	Frequency(MHz):	5825



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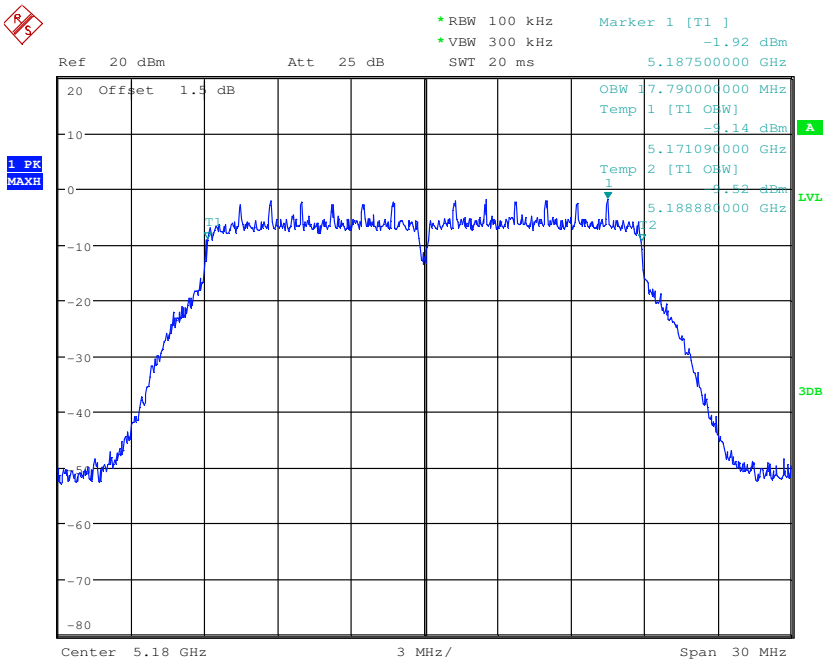
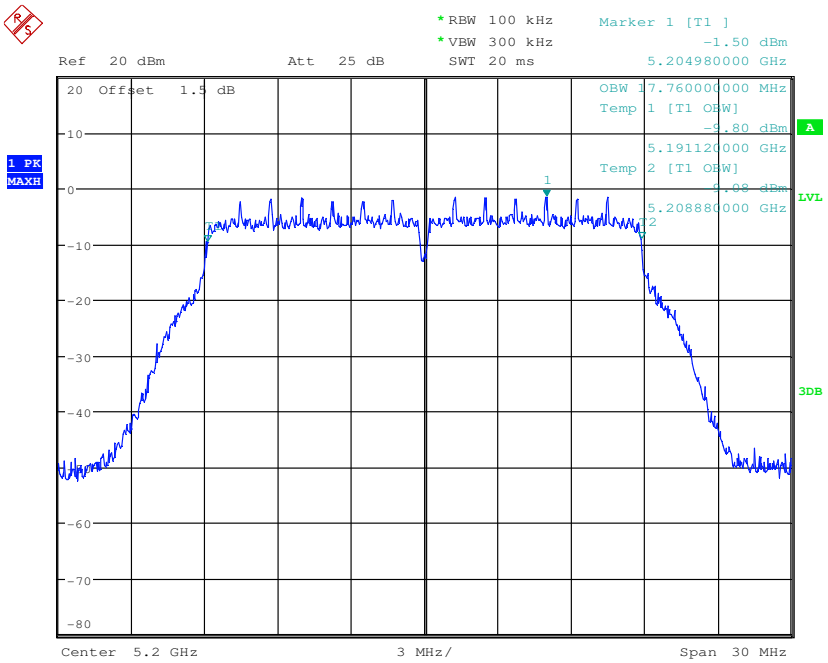
Test mode:	802.11 ac20	Frequency(MHz):	5180



Test mode:	802.11 ac20	Frequency(MHz):	5200



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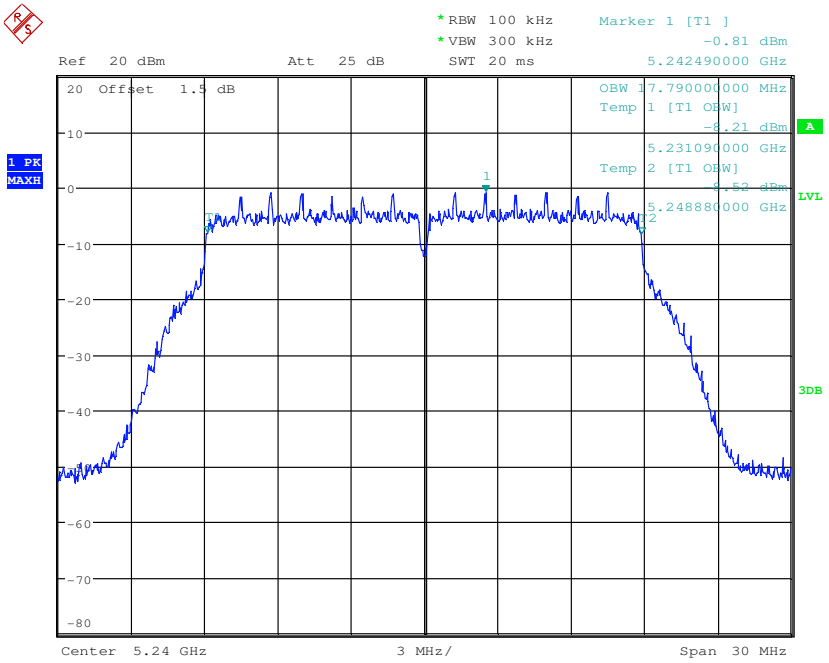
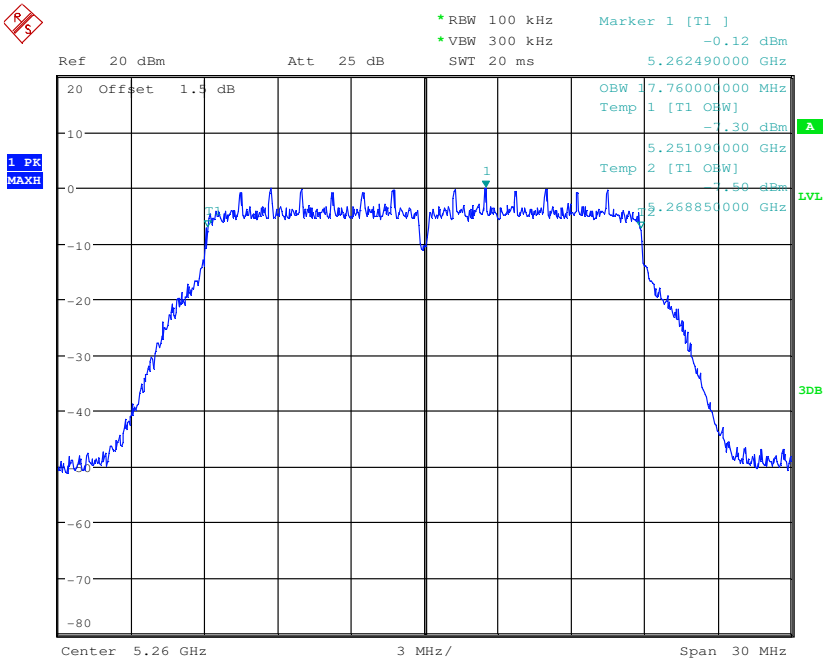
Test mode:	802.11 ac20	Frequency(MHz):	5240



Test mode:	802.11 ac20	Frequency(MHz):	5260



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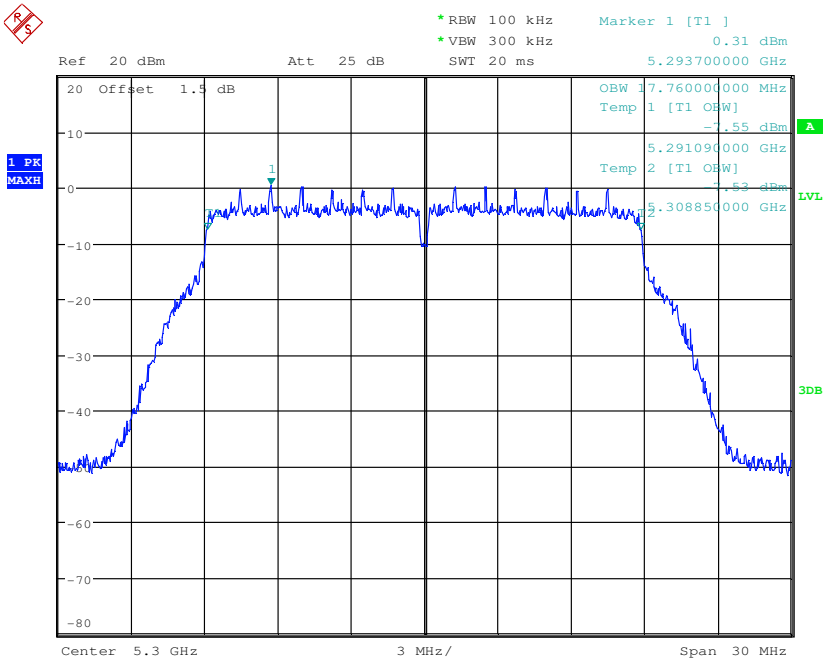
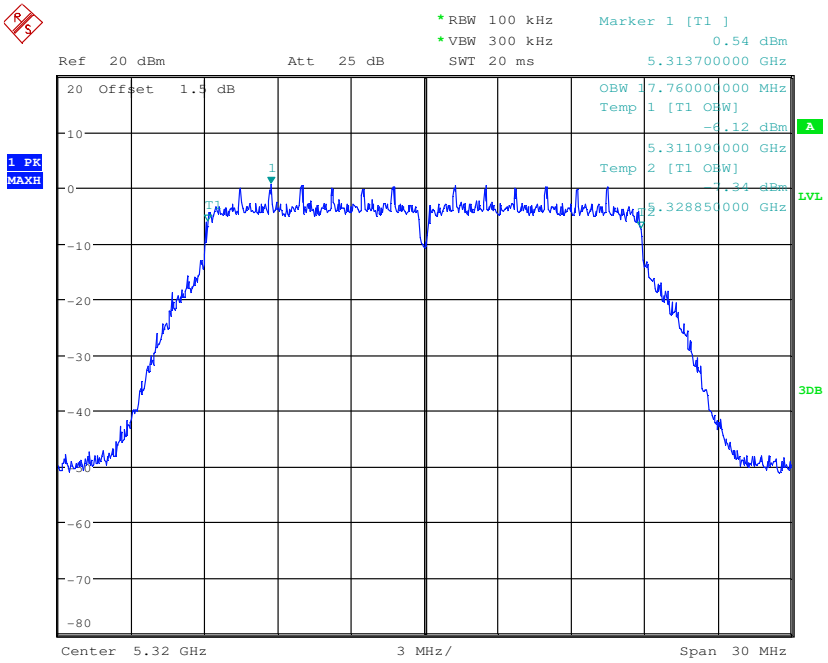
Test mode:	802.11 ac20	Frequency(MHz):	5300



Test mode:	802.11 ac20	Frequency(MHz):	5320



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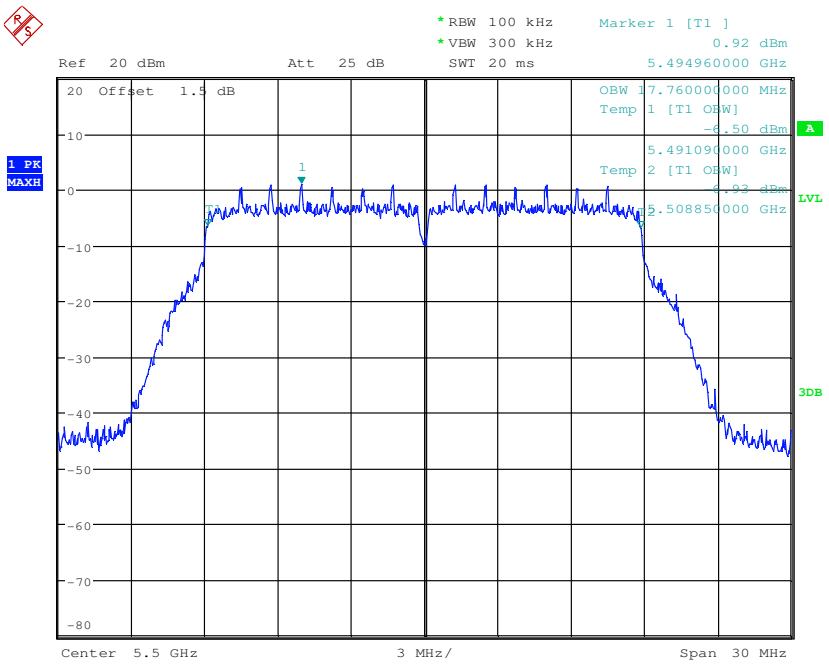
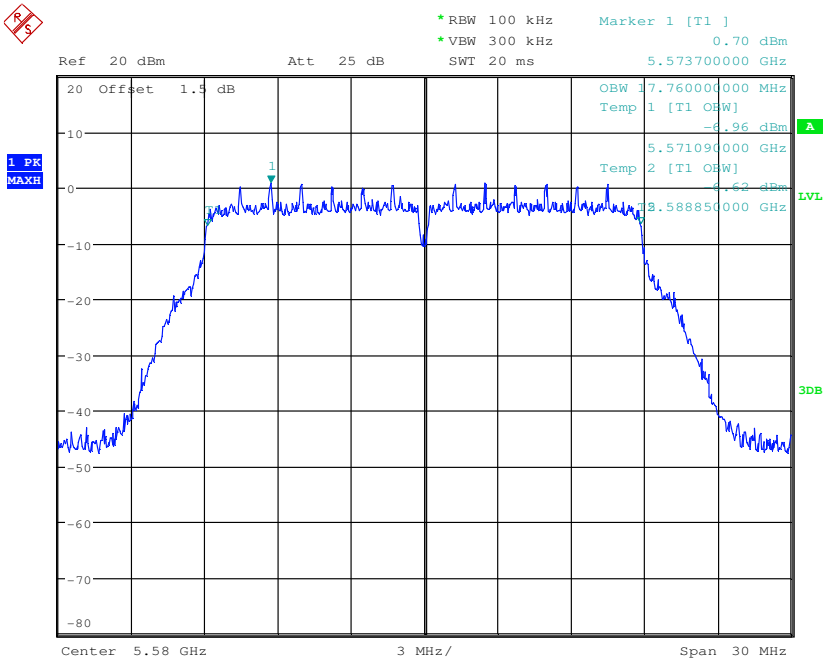
Test mode:	802.11 ac20	Frequency(MHz):	5500



Test mode:	802.11 ac20	Frequency(MHz):	5580



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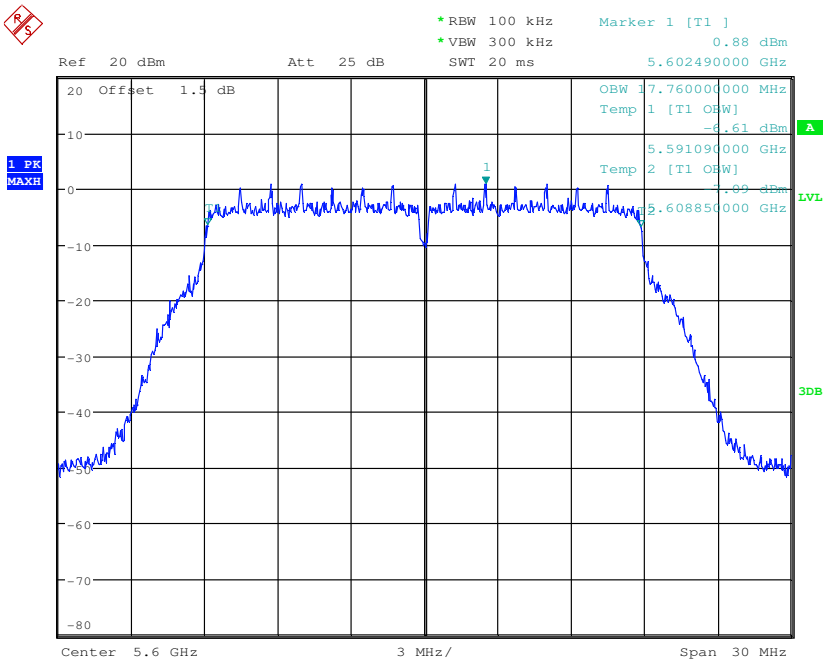
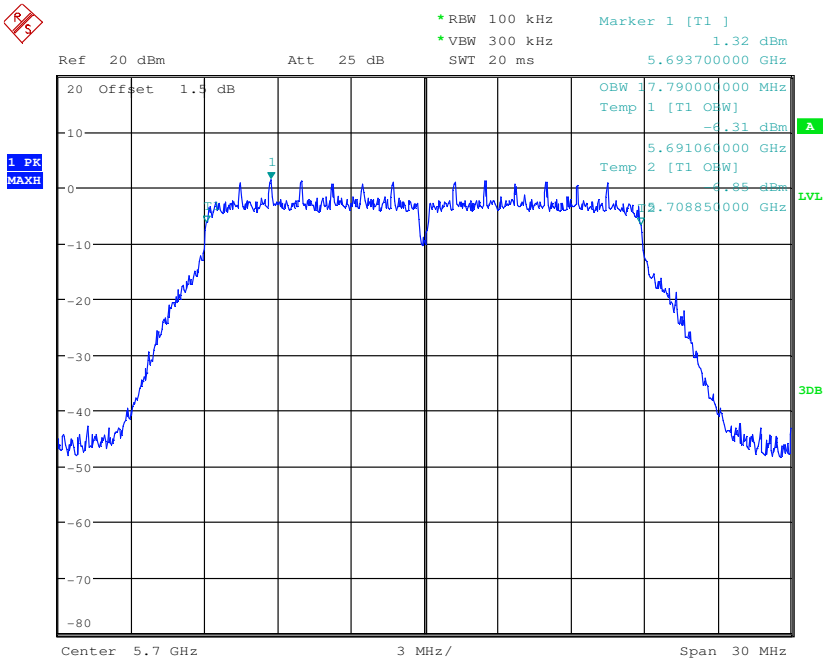
Test mode:	802.11 ac20	Frequency(MHz):	5600



Test mode:	802.11 ac20	Frequency(MHz):	5700



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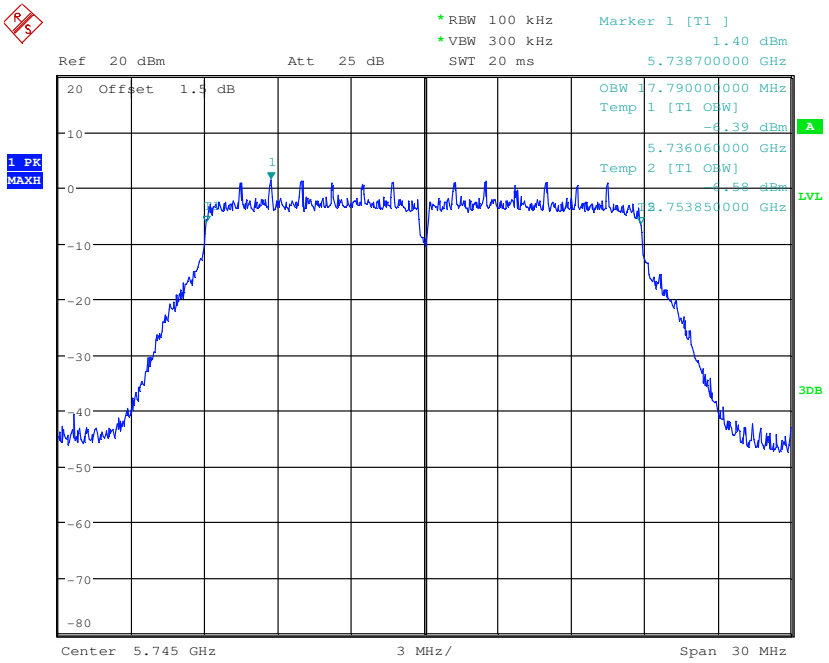
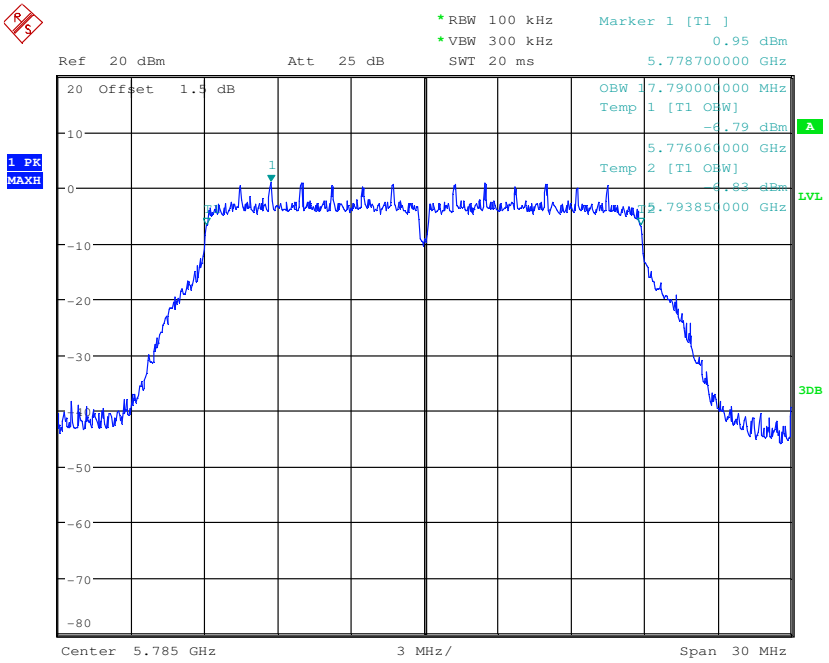
Test mode:	802.11 ac20	Frequency(MHz):	5745



Test mode:	802.11 ac20	Frequency(MHz):	5785



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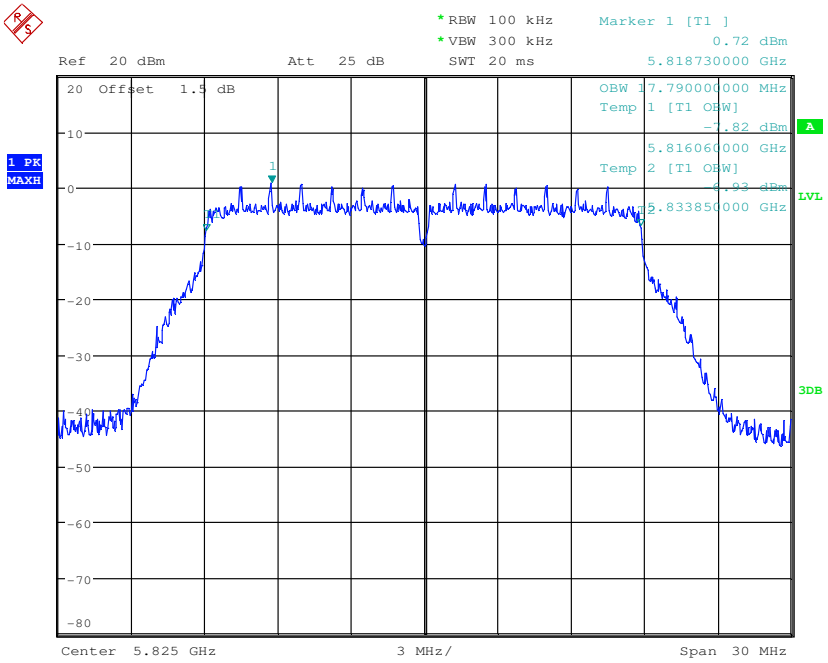
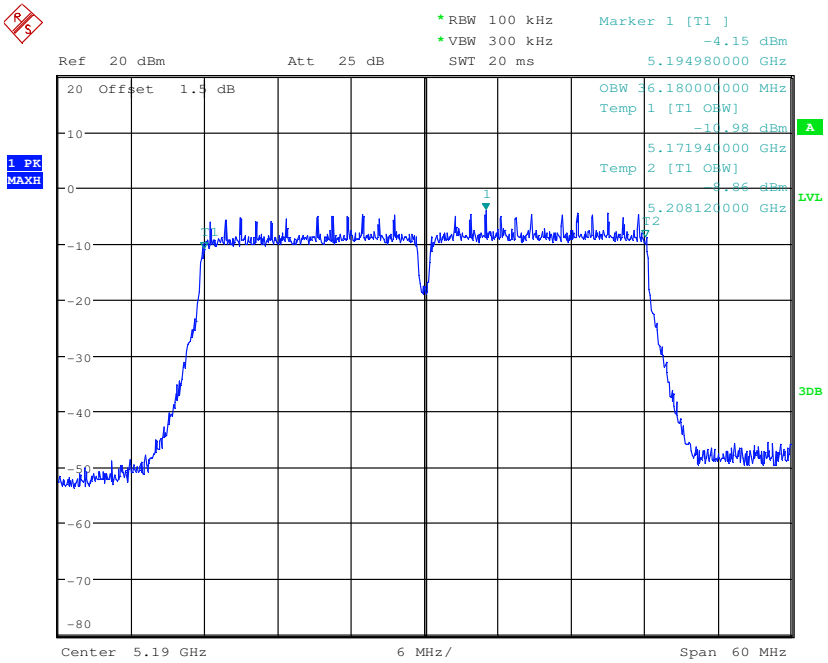
Test mode:	802.11 ac20	Frequency(MHz):	5825



Test mode:	802.11 n40	Frequency(MHz):	5190



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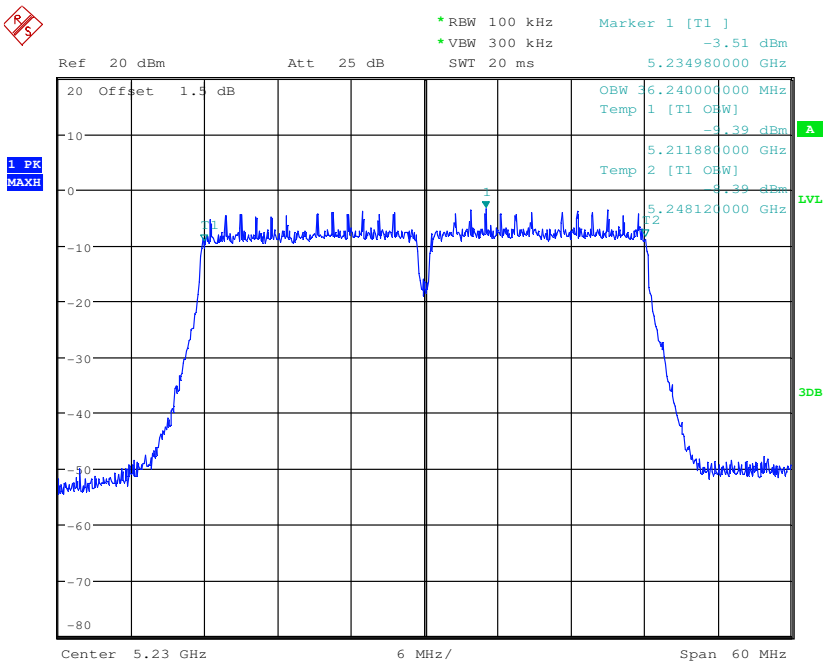
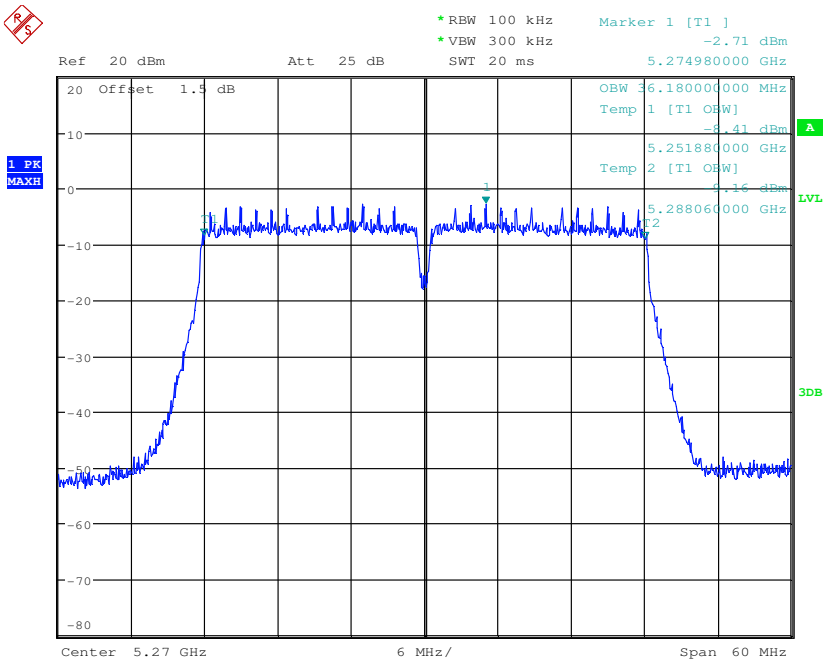
Test mode:	802.11 n40	Frequency(MHz):	5230



Test mode:	802.11 n40	Frequency(MHz):	5270



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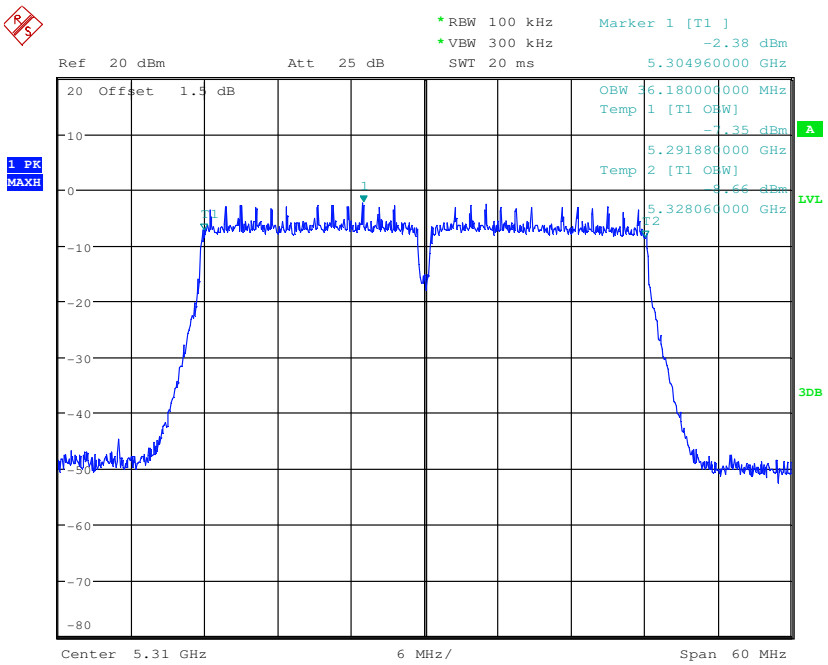
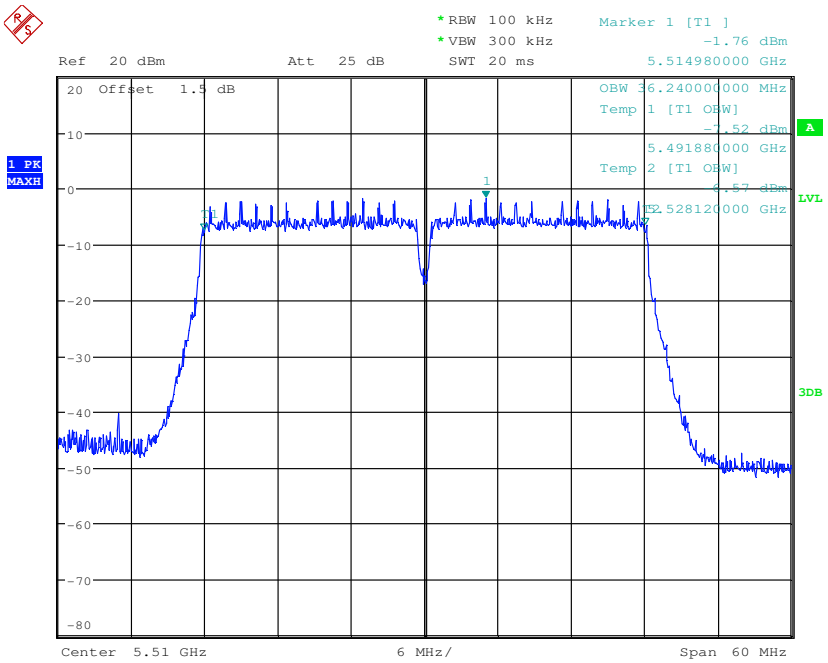
Test mode:	802.11 n40	Frequency(MHz):	5310



Test mode:	802.11 n40	Frequency(MHz):	5510



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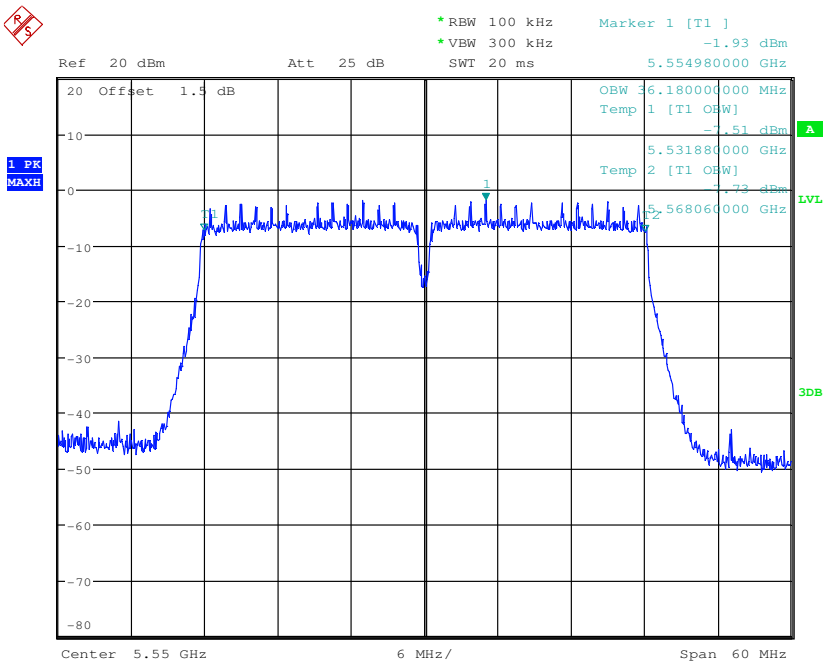
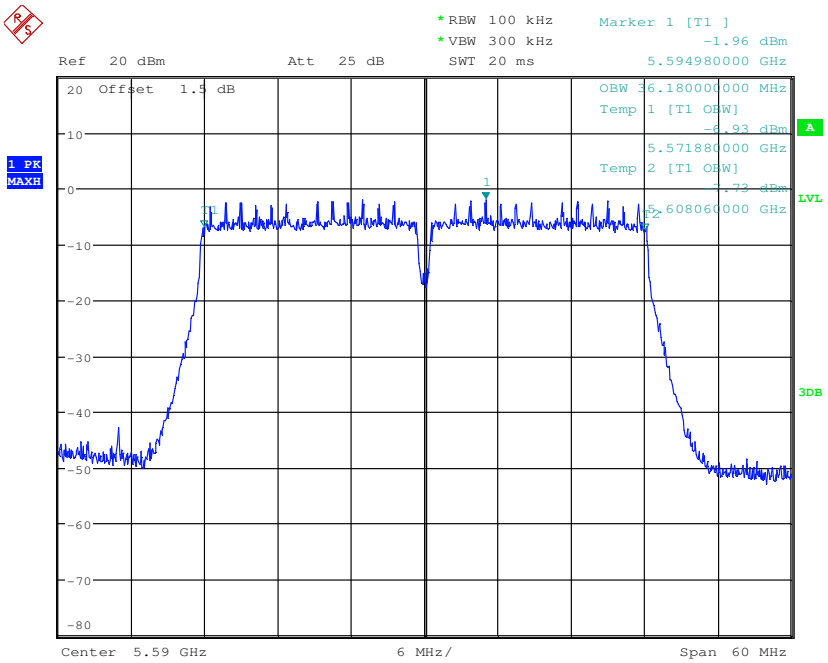
Test mode:	802.11 n40	Frequency(MHz):	5550



Test mode:	802.11 n40	Frequency(MHz):	5590



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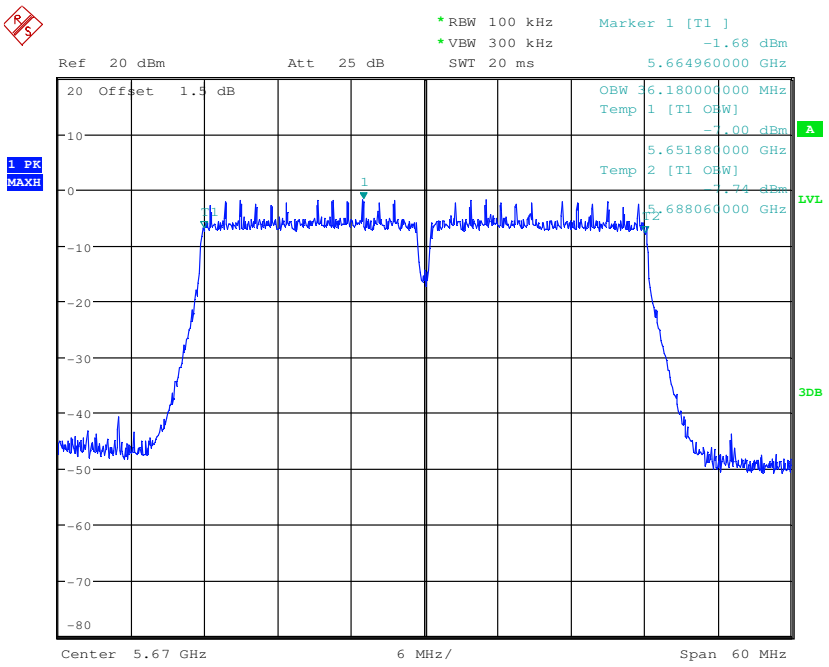
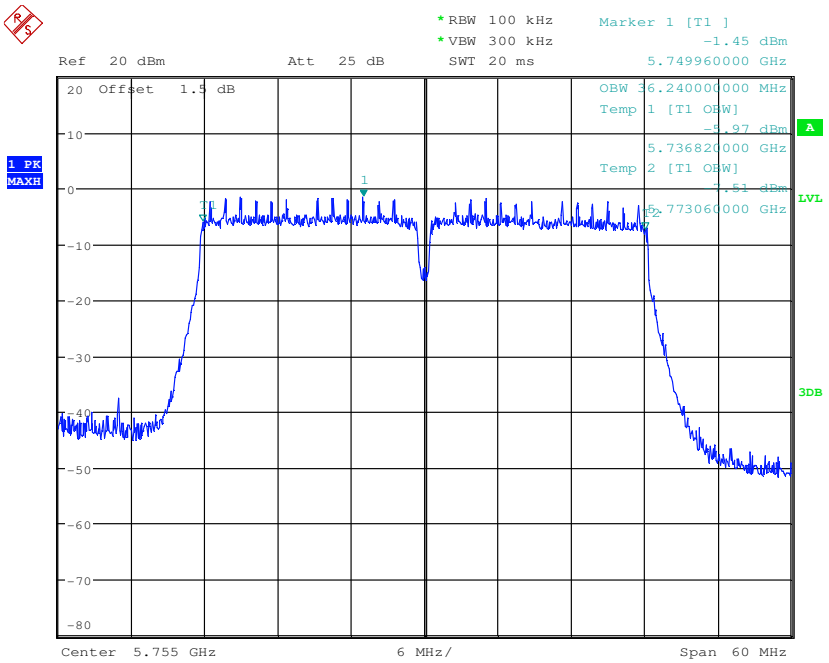
Test mode:	802.11 n40	Frequency(MHz):	5670



Test mode:	802.11 n40	Frequency(MHz):	5755



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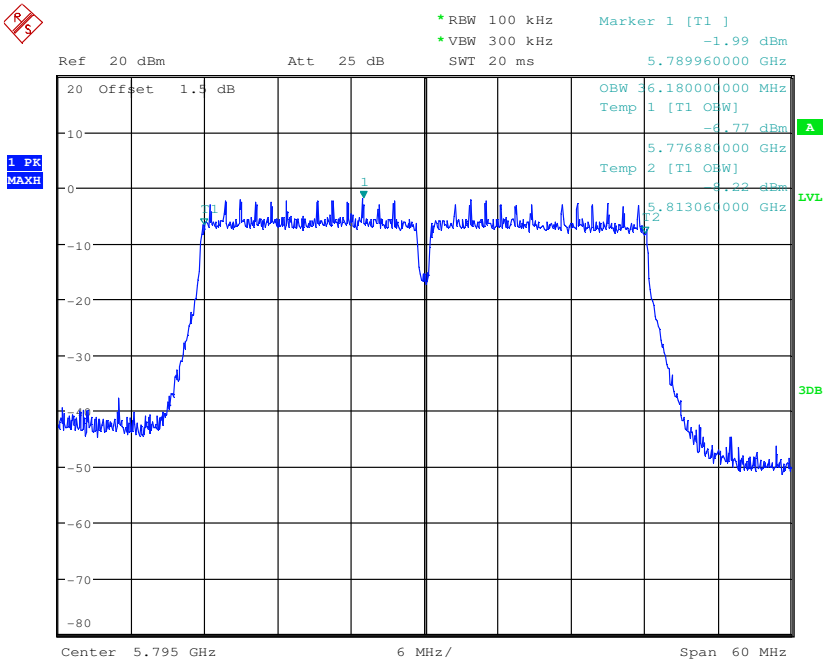
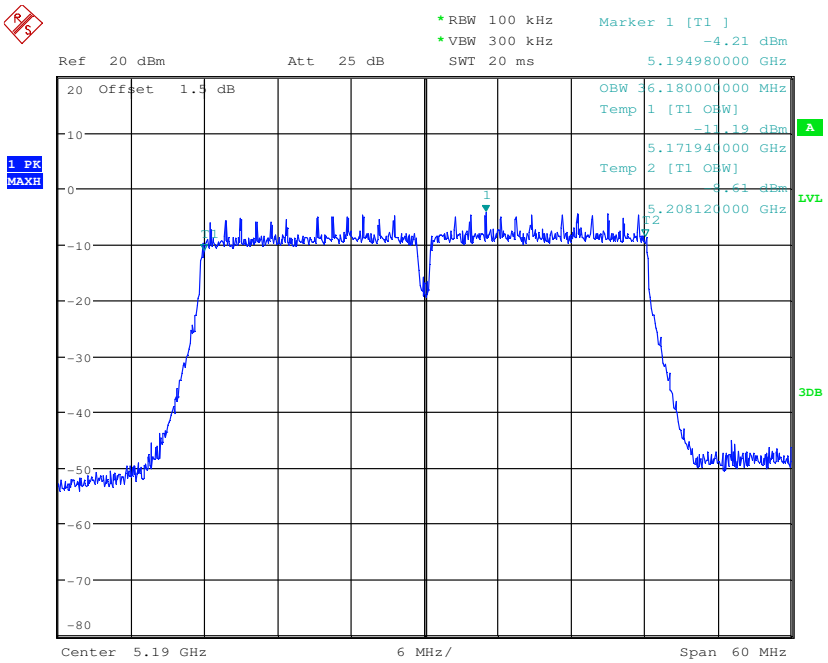
Test mode:	802.11 n40	Frequency(MHz):	5795



Test mode:	802.11 ac40	Frequency(MHz):	5190



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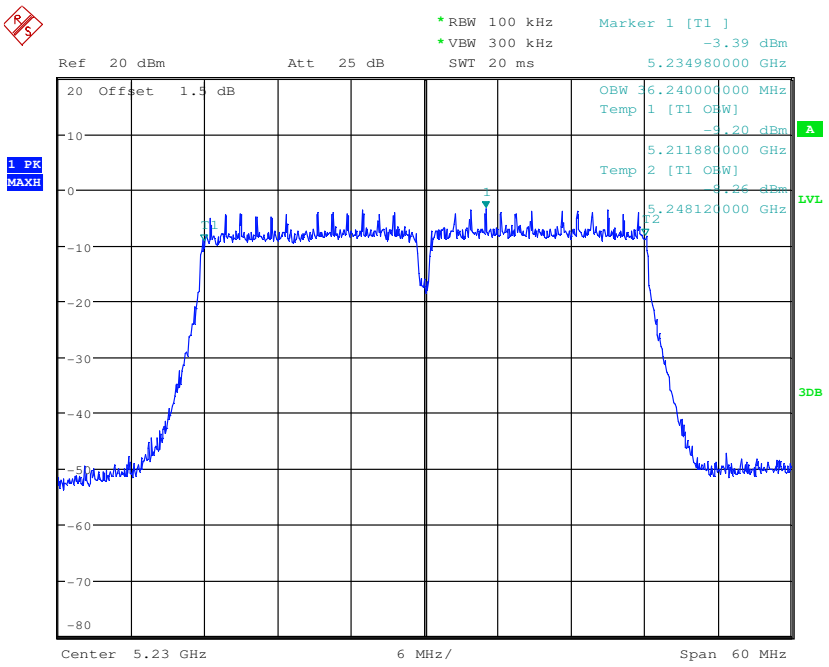
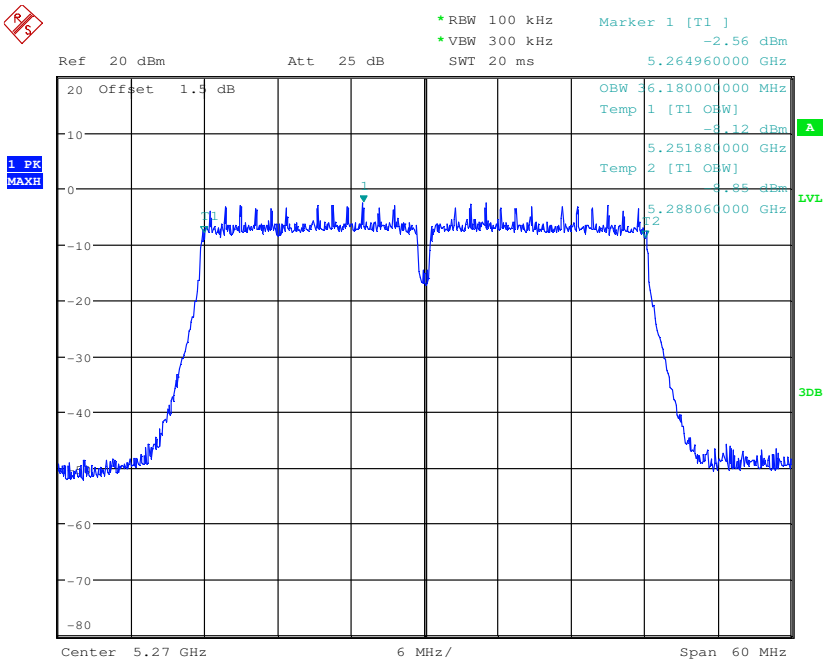
Test mode:	802.11 ac40	Frequency(MHz):	5230



Test mode:	802.11 ac40	Frequency(MHz):	5270



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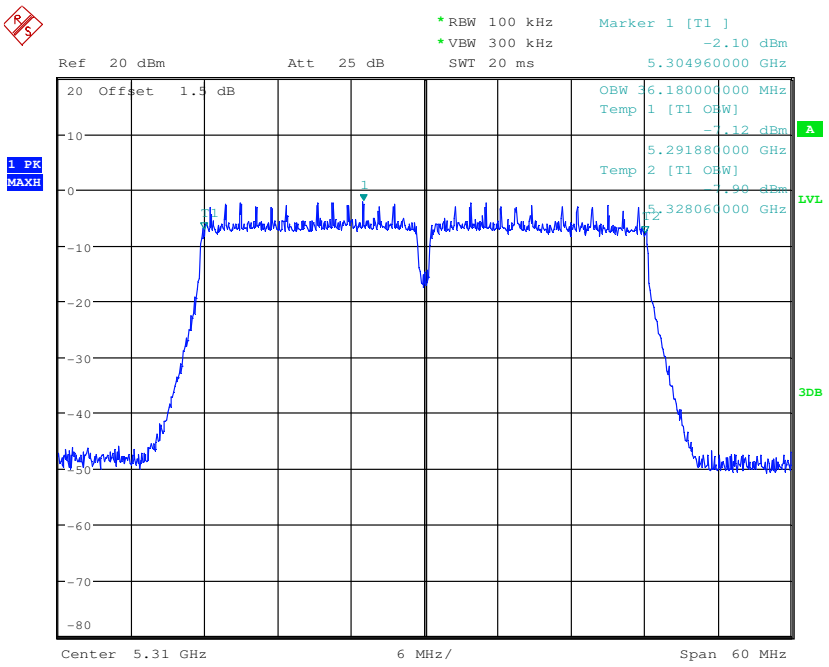
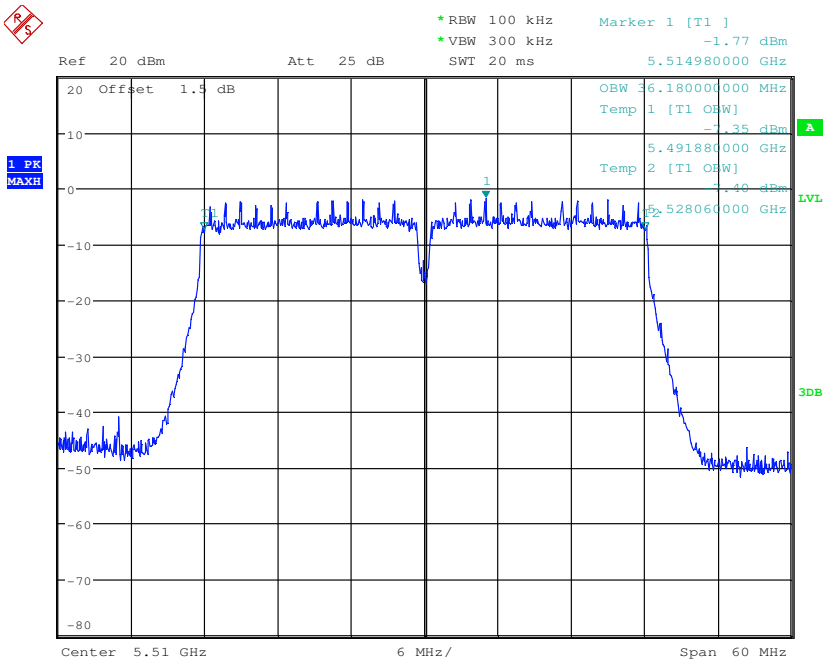
Test mode:	802.11 ac40	Frequency(MHz):	5310



Test mode:	802.11 ac40	Frequency(MHz):	5510



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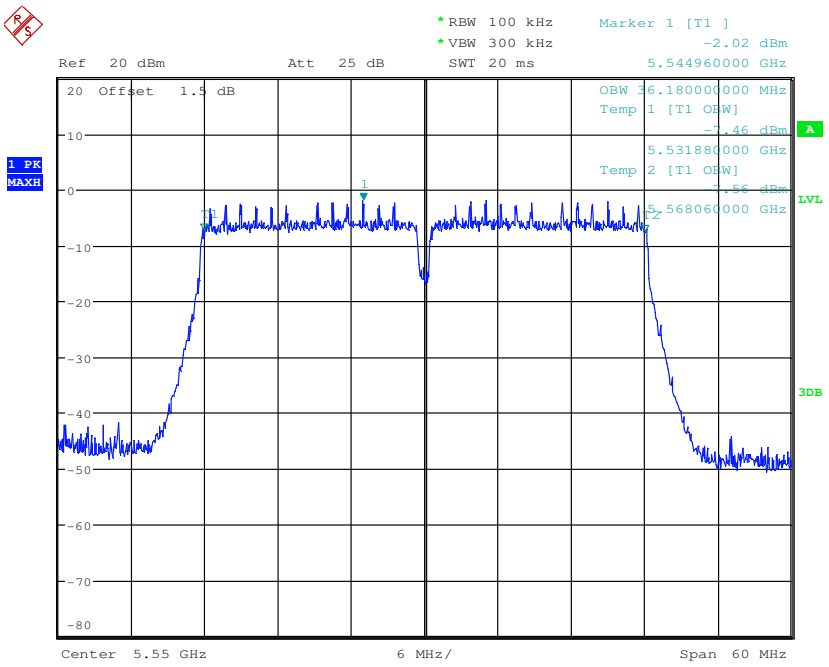
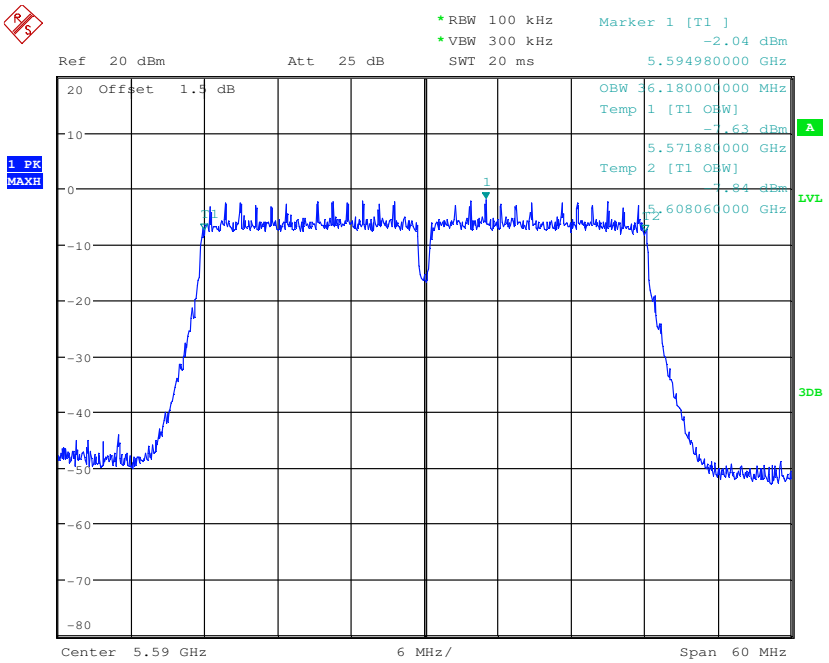
Test mode:	802.11 ac40	Frequency(MHz):	5550



Test mode:	802.11 ac40	Frequency(MHz):	5590



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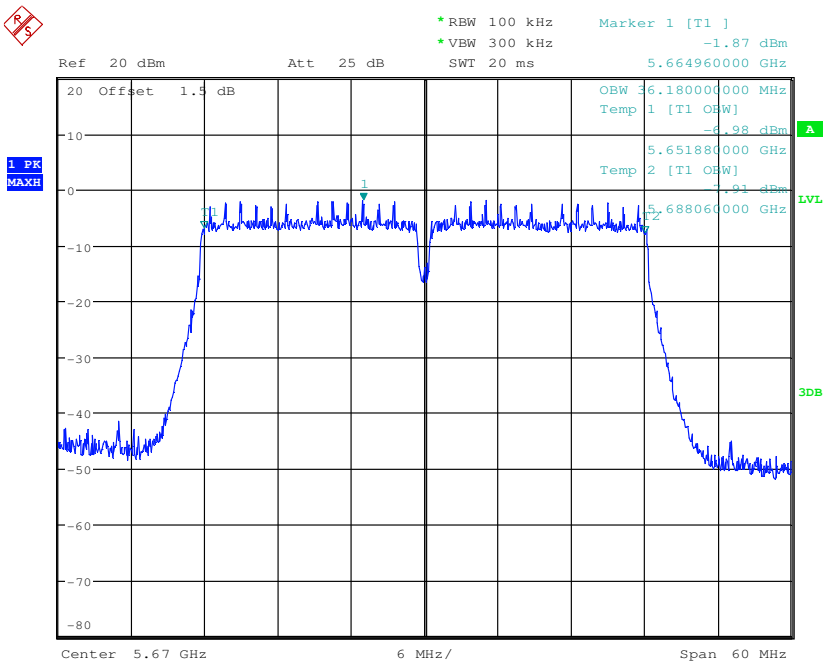
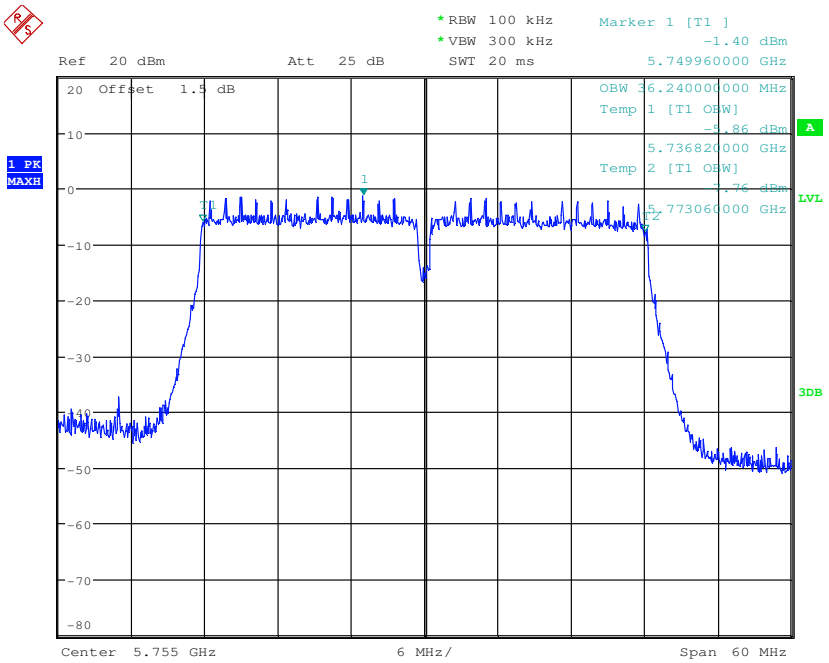
Test mode:	802.11 ac40	Frequency(MHz):	5670



Test mode:	802.11 ac40	Frequency(MHz):	5755



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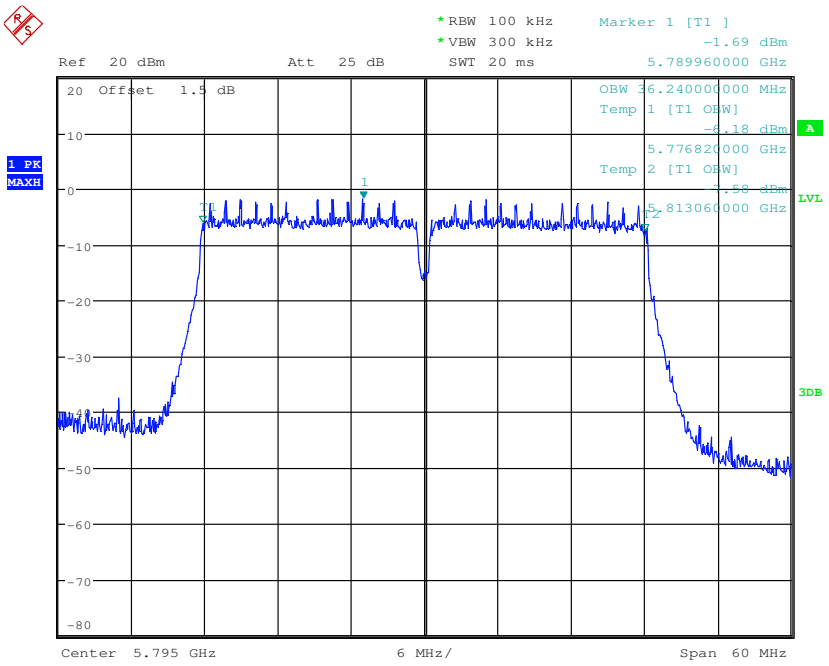
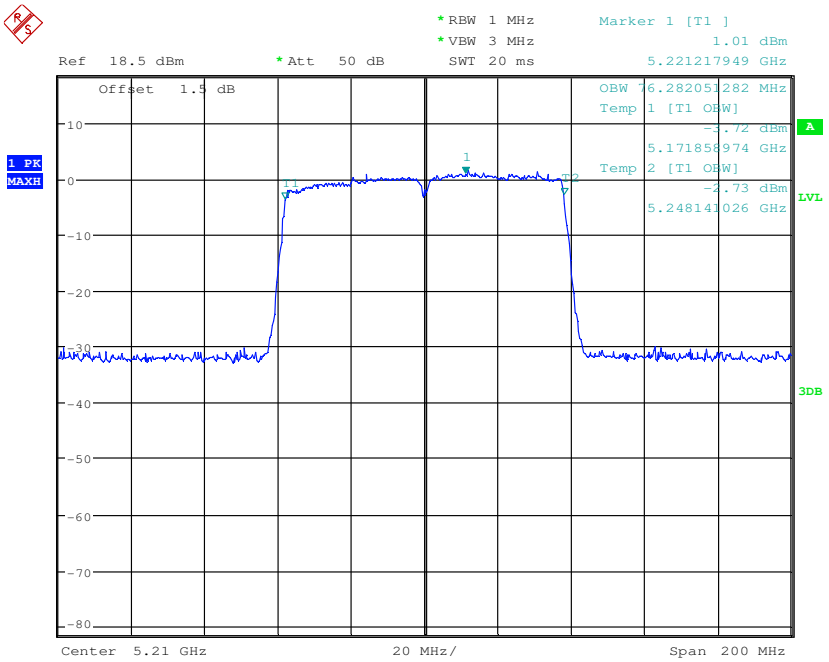
Test mode:	802.11 ac40	Frequency(MHz):	5795



Test mode:	802.11 ac80	Frequency(MHz):	5210



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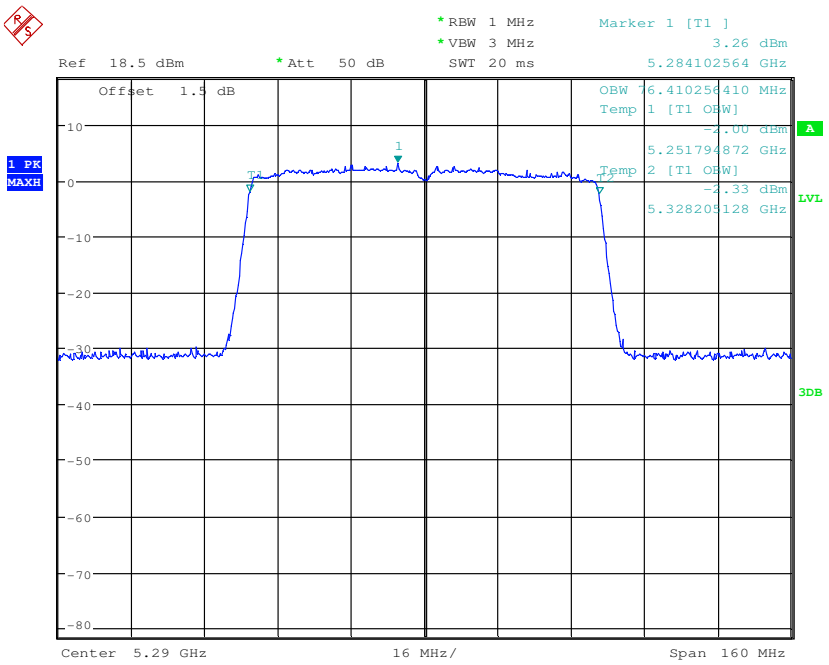
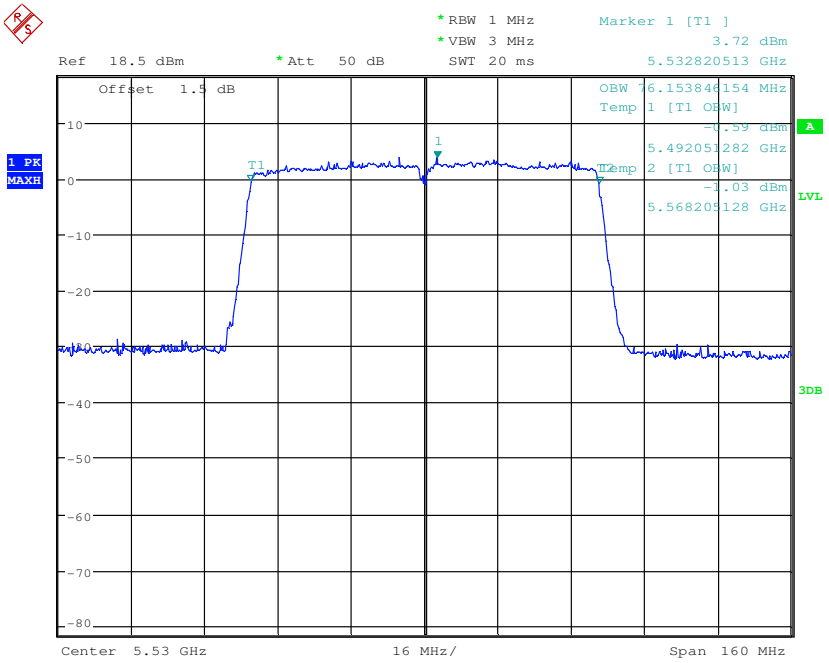
Test mode:	802.11 ac80	Frequency(MHz):	5290



Test mode:	802.11 ac80	Frequency(MHz):	5530



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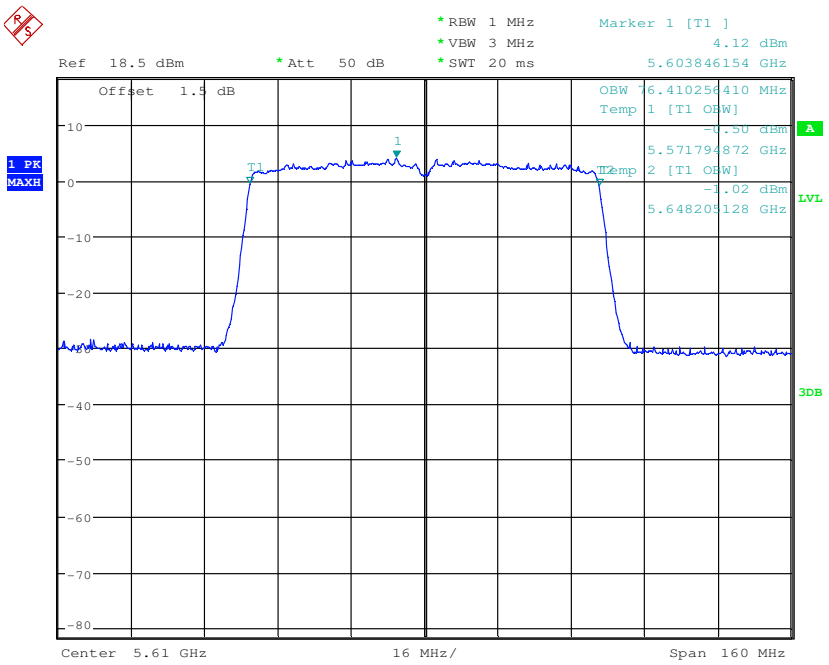
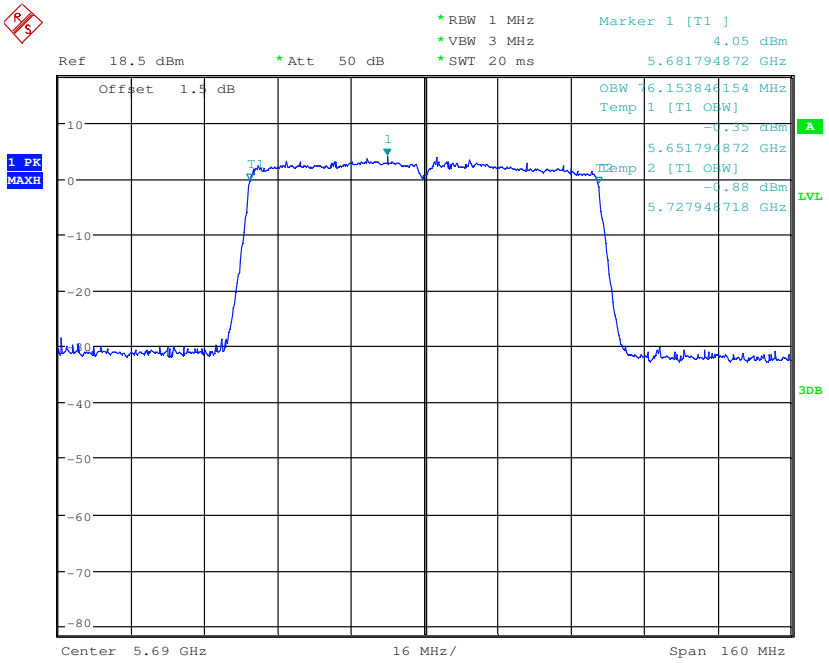
Test mode:	802.11 ac80	Frequency(MHz):	5610



Test mode:	802.11 ac80	Frequency(MHz):	5690



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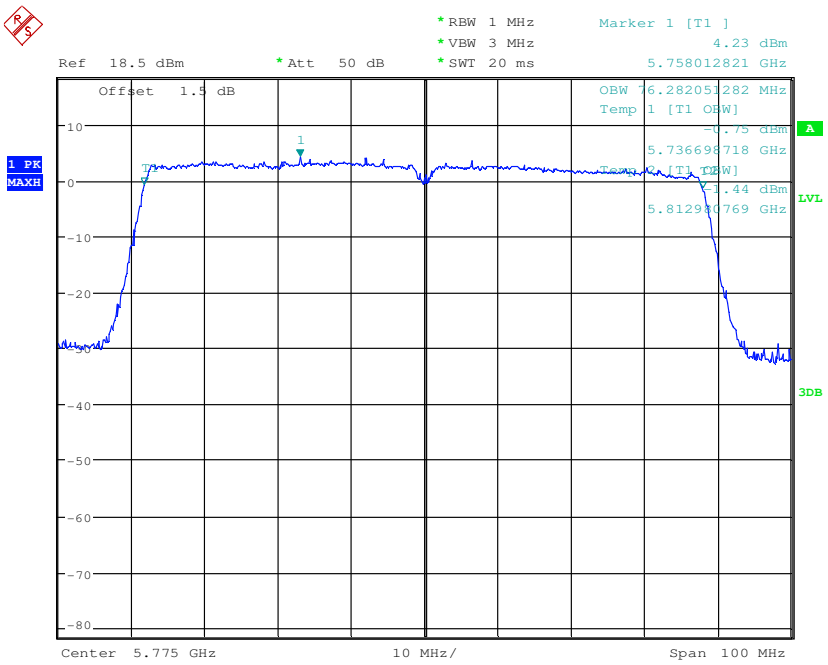
Test mode:	802.11 ac80	Frequency(MHz):	5775



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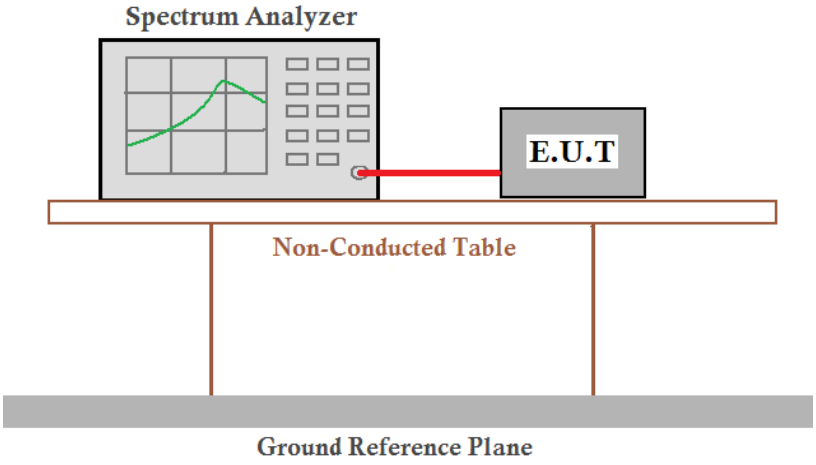
6.6 6dB Emission Bandwidth

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, 6Mbps of rate is the worst case of 802.11a; 6.5Mbps of rate is the worst case of 802.11n(HT20); 6.5Mbps of rate is the worst case of 802.11ac 20; 13.5Mbps of rate is the worst case of 802.11n(HT40); 13.5Mbps of rate is the worst case of 802.11ac 40; 29.2Mbps of rate is the worst case of 802.11ac 80.	
Limit:	Frequency Band	Limit
	5725-5850MHz	At lease 500kHz
Test Results:	Pass	

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Measurement Data:

802.11a mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5745	16.380	≥500	Pass
5785	16.410	≥500	Pass
5825	16.410	≥500	Pass

802.11 n20 mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5745	17.640	≥500	Pass
5785	17.640	≥500	Pass
5825	17.640	≥500	Pass

802.11ac 20 mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5745	17.640	≥500	Pass
5785	17.640	≥500	Pass
5825	17.640	≥500	Pass

802.11 n40 mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5755	36.420	≥500	Pass
5795	36.420	≥500	Pass

802.11ac 40 mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5755	36.420	≥500	Pass
5795	36.420	≥500	Pass

802.11ac 80 mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit (kHz)	Result
5775	76.442	≥500	Pass

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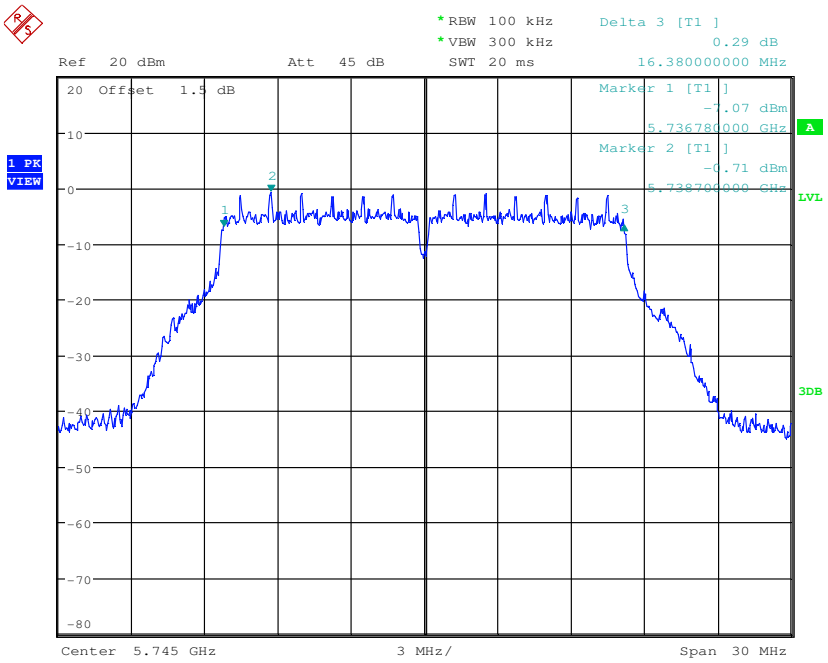
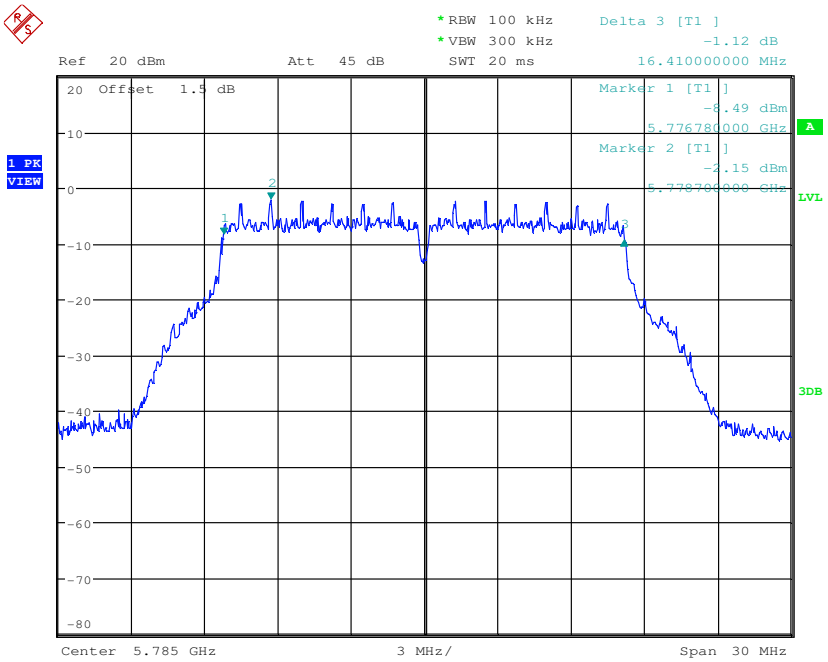
Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5745



Test mode:	802.11a	Frequency(MHz):	5785



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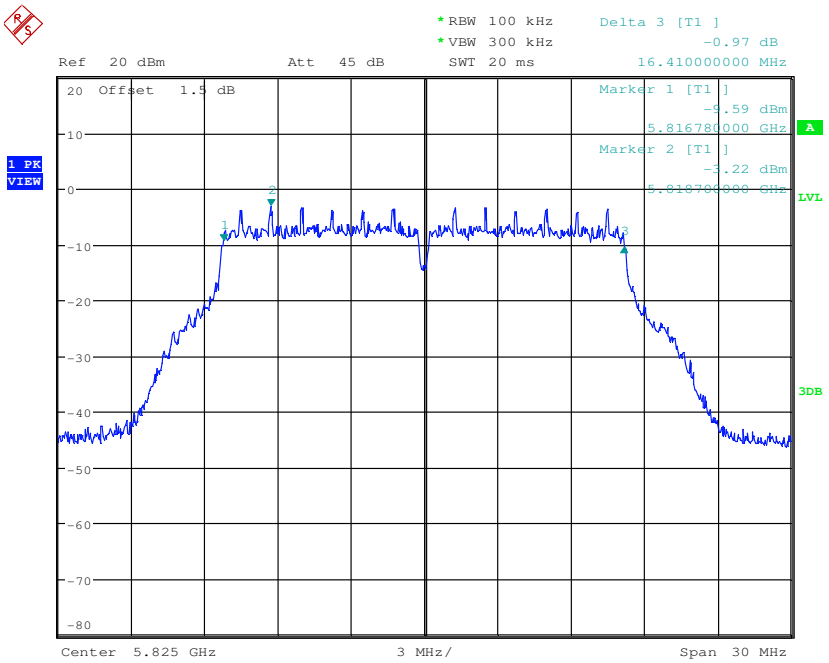
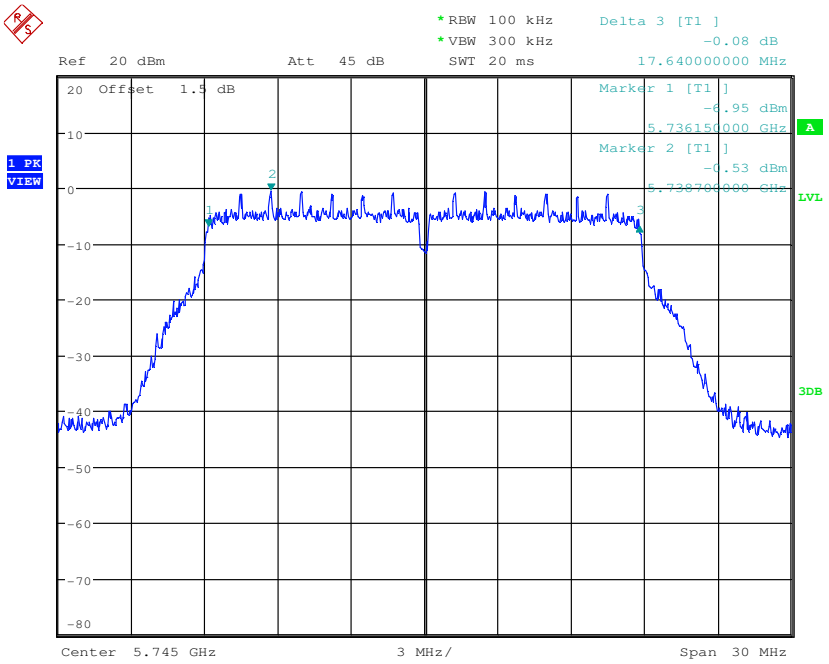
Test mode:	802.11a	Frequency(MHz):	5825



Test mode:	802.11 n20	Frequency(MHz):	5745



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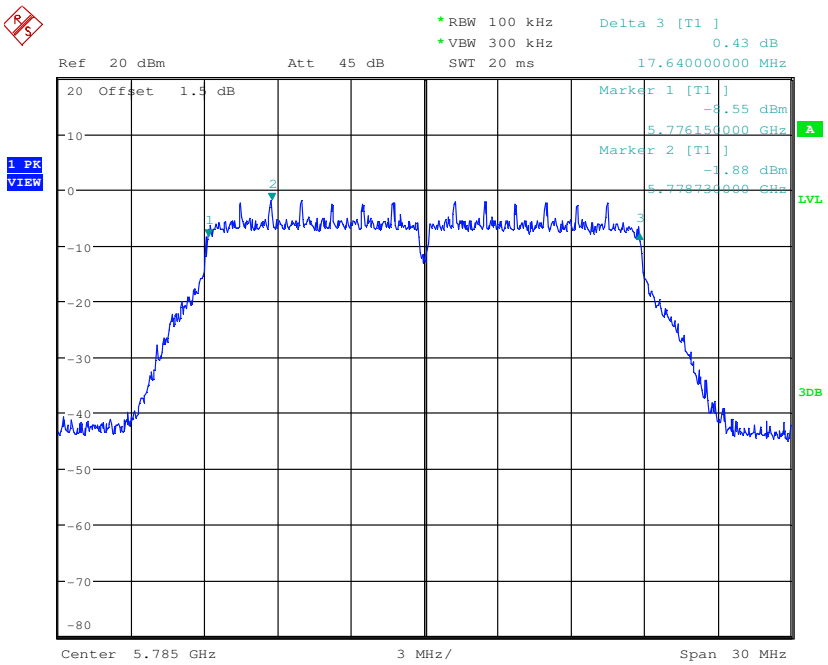
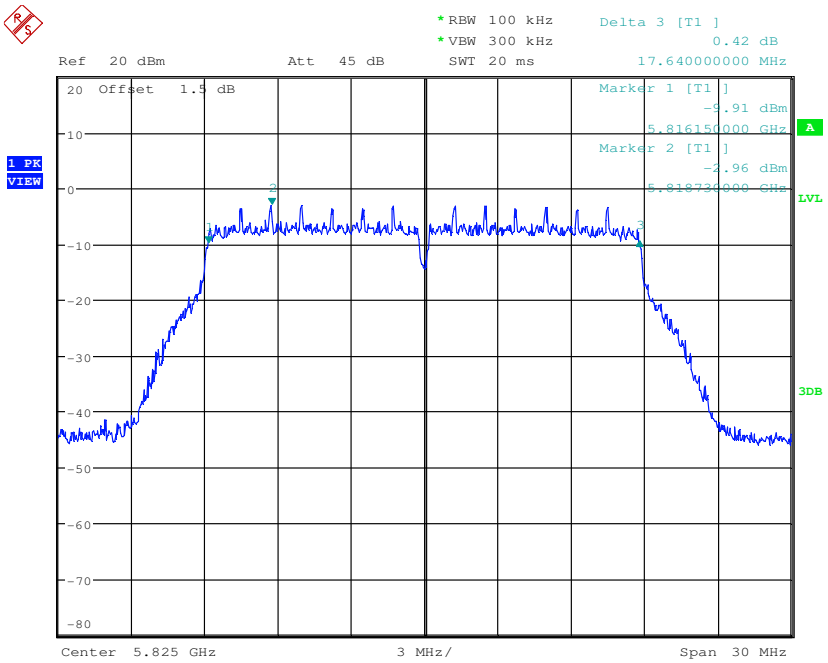
Test mode:	802.11 n20	Frequency(MHz):	5785



Test mode:	802.11 n20	Frequency(MHz):	5825



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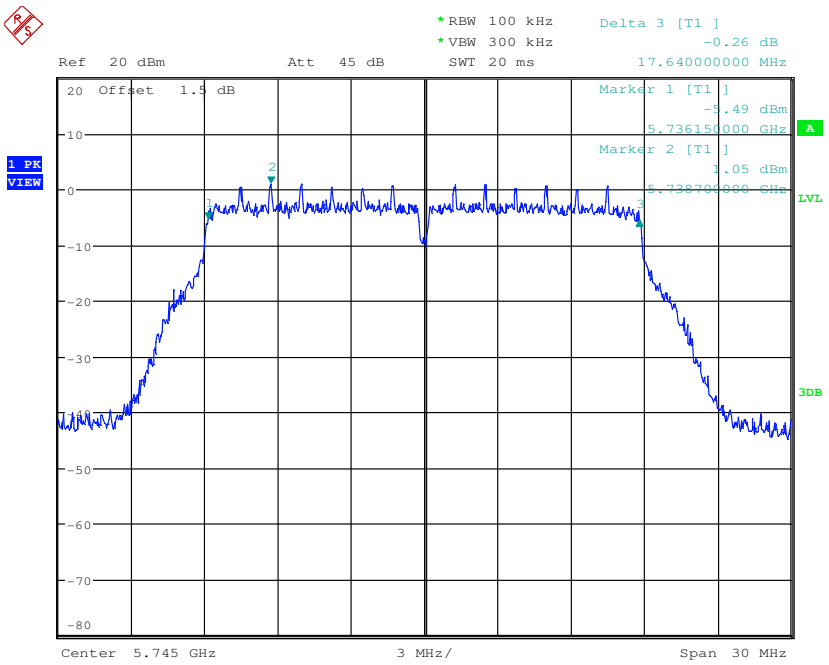
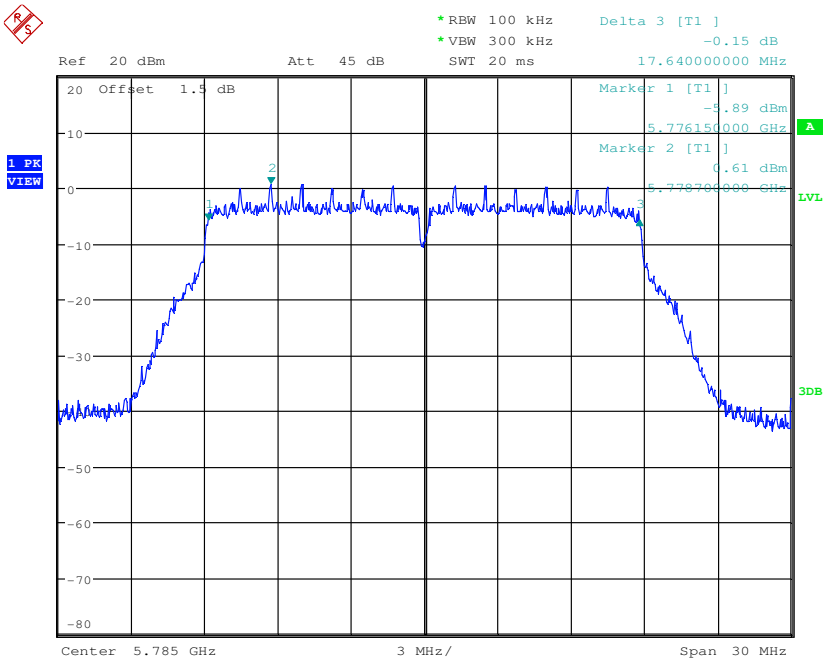
Test mode:	802.11 ac20	Frequency(MHz):	5745



Test mode:	802.11 ac20	Frequency(MHz):	5785



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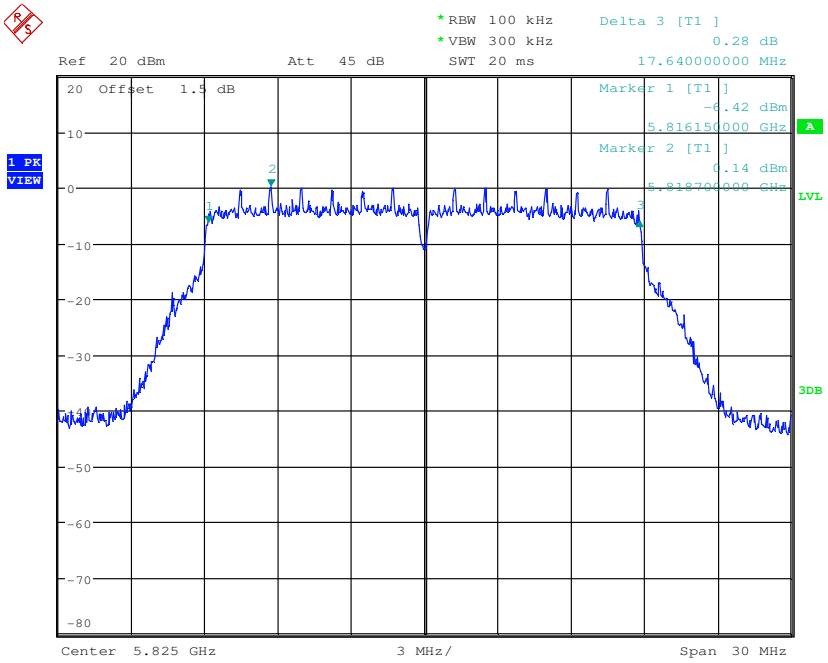
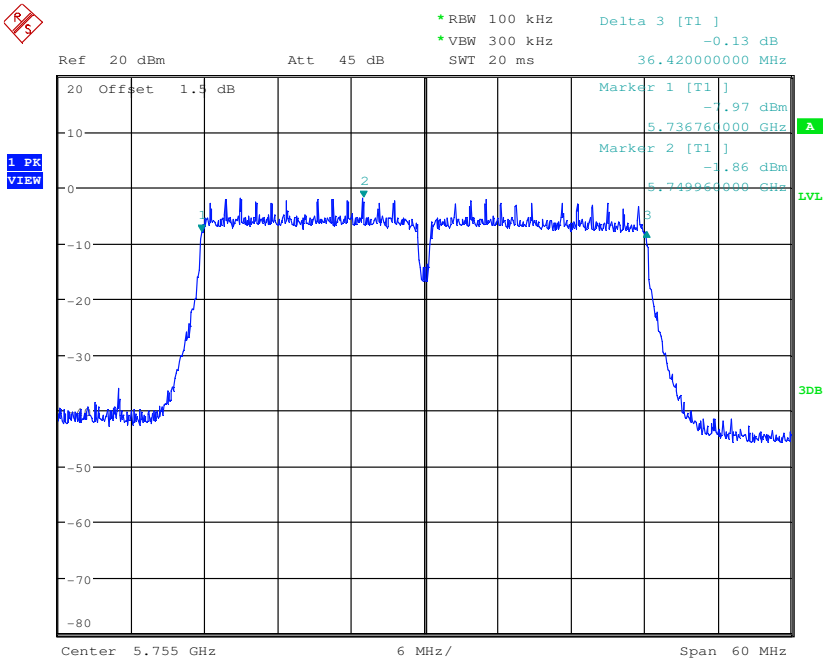
Test mode:	802.11 ac20	Frequency(MHz):	5825



Test mode:	802.11 n40	Frequency(MHz):	5755



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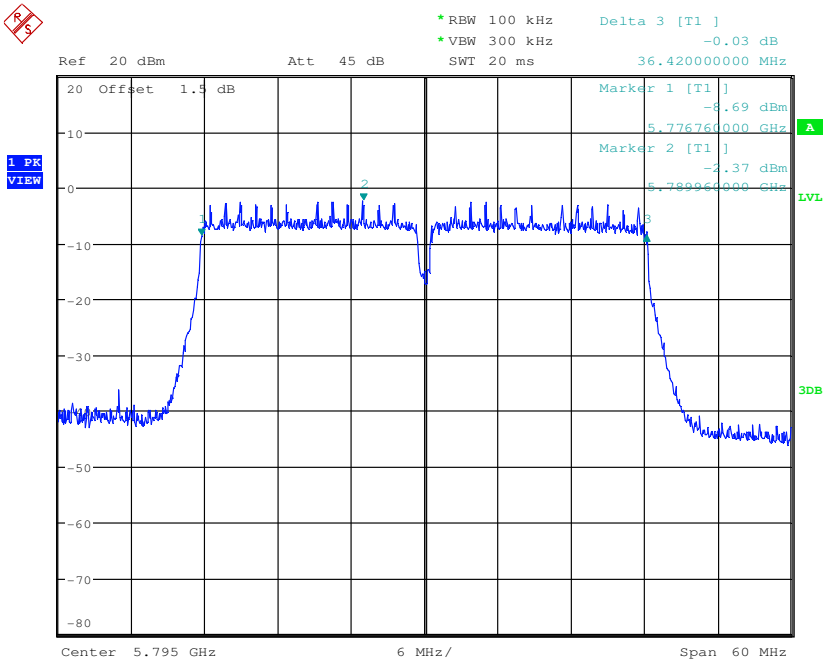
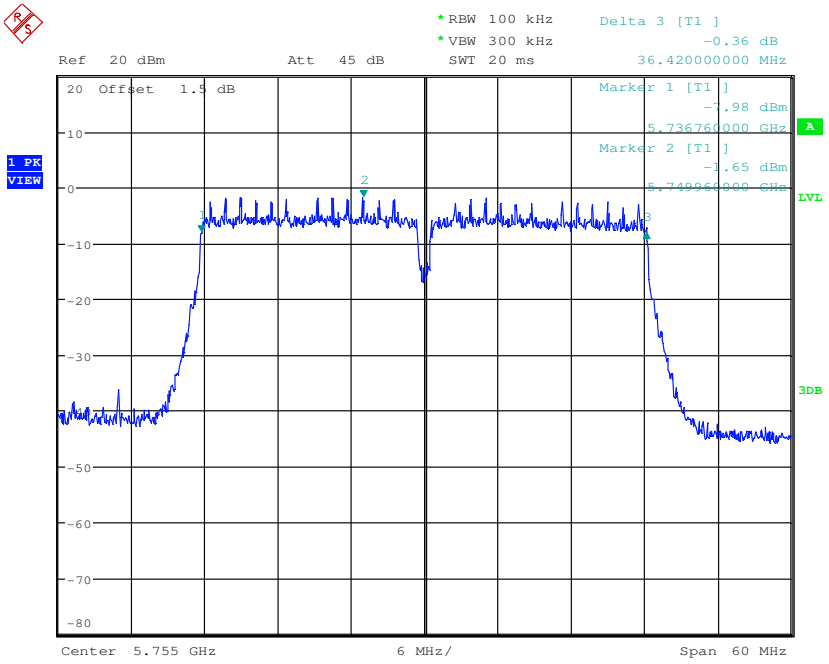
Test mode:	802.11 n40	Frequency(MHz):	5795



Test mode:	802.11 ac40	Frequency(MHz):	5755



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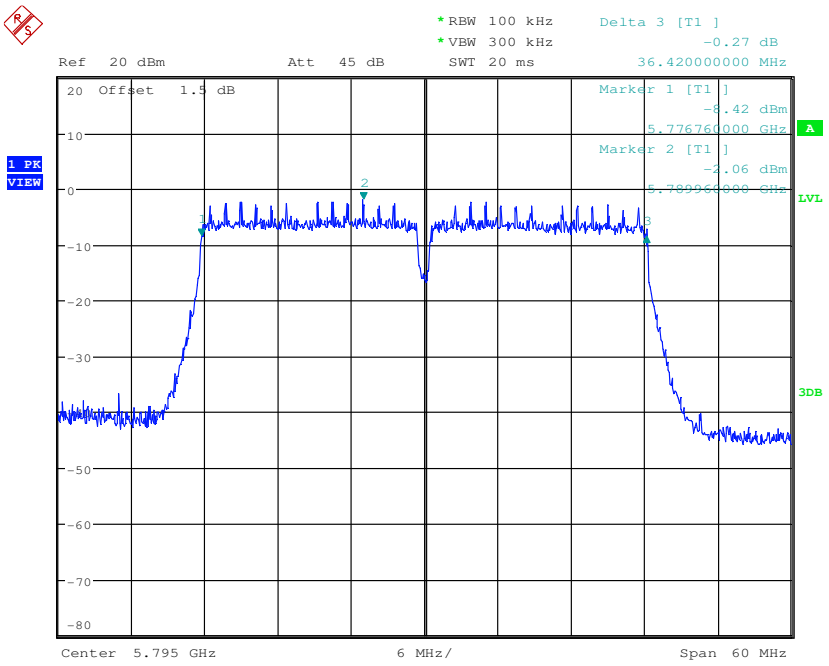
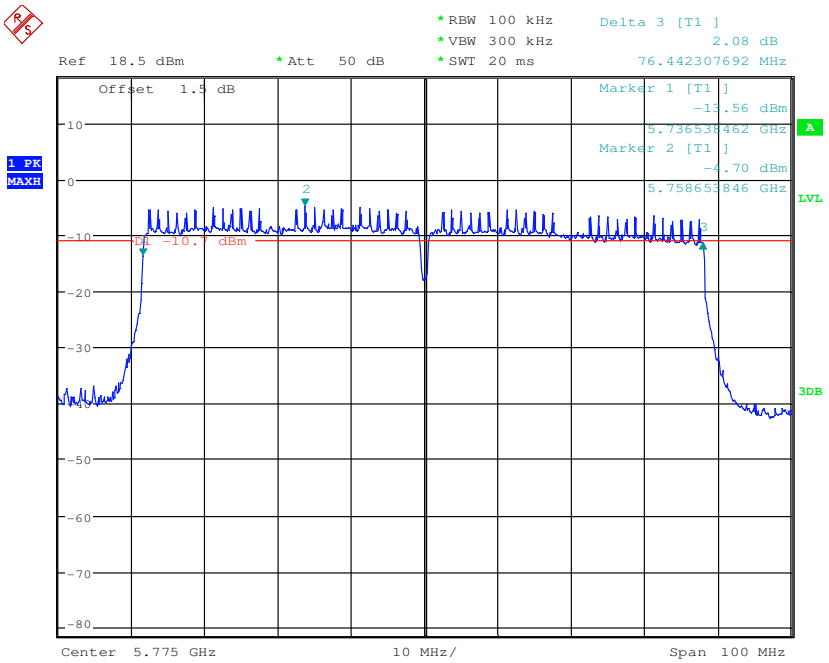
Test mode:	802.11 ac40	Frequency(MHz):	5795



Test mode:	802.11 ac80	Frequency(MHz):	5775



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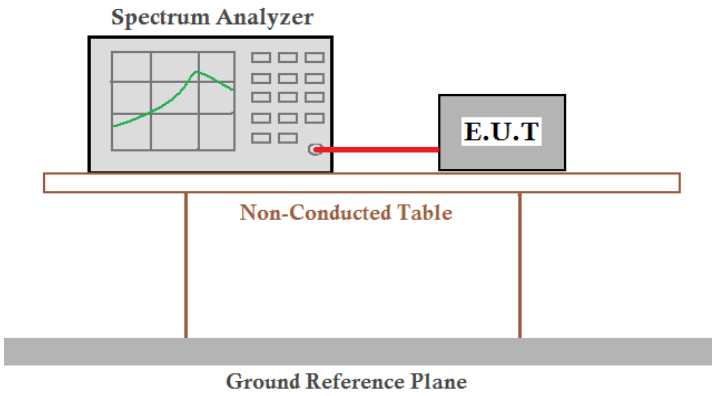
6.7 Power Spectral Density

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, 6Mbps of rate is the worst case of 802.11a; 6.5Mbps of rate is the worst case of 802.11n(HT20); 6.5Mbps of rate is the worst case of 802.11ac 20; 13.5Mbps of rate is the worst case of 802.11n(HT40); 13.5Mbps of rate is the worst case of 802.11ac 40; 29.2Mbps of rate is the worst case of 802.11ac 80.	
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	

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Measurement Data:

802.11a mode			
Frequency (MHz)	Power Spectral Density	Limit (kHz)	Result
5180	0.62	≤11dBm/1MHz	Pass
5200	1.18	≤11dBm/1MHz	Pass
5240	2.07	≤11dBm/1MHz	Pass
5260	2.49	≤11dBm/1MHz	Pass
5300	2.16	≤11dBm/1MHz	Pass
5320	1.88	≤11dBm/1MHz	Pass
5500	0.99	≤11dBm/1MHz	Pass
5580	1.72	≤11dBm/1MHz	Pass
5600	2.02	≤11dBm/1MHz	Pass
5700	0.99	≤11dBm/1MHz	Pass
5745	-1.53	≤30dBm/500kHz	Pass
5785	-2.95	≤30dBm/500kHz	Pass
5825	-4.17	≤30dBm/500kHz	Pass

802.11 n20 mode			
Frequency (MHz)	Power Spectral Density	Limit (kHz)	Result
5180	0.29	≤11dBm/1MHz	Pass
5200	1.10	≤11dBm/1MHz	Pass
5240	1.81	≤11dBm/1MHz	Pass
5260	2.30	≤11dBm/1MHz	Pass
5300	2.03	≤11dBm/1MHz	Pass
5320	1.85	≤11dBm/1MHz	Pass
5500	1.00	≤11dBm/1MHz	Pass
5580	1.70	≤11dBm/1MHz	Pass
5600	1.80	≤11dBm/1MHz	Pass
5700	0.94	≤11dBm/1MHz	Pass
5745	-1.39	≤30dBm/500kHz	Pass
5785	-2.81	≤30dBm/500kHz	Pass
5825	-3.84	≤30dBm/500kHz	Pass

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802.11ac 20 mode			
Frequency (MHz)	Power Spectral Density	Limit (kHz)	Result
5180	-1.06	≤11dBm/1MHz	Pass
5220	-0.65	≤11dBm/1MHz	Pass
5240	-0.02	≤11dBm/1MHz	Pass
5260	0.69	≤11dBm/1MHz	Pass
5300	1.02	≤11dBm/1MHz	Pass
5320	1.26	≤11dBm/1MHz	Pass
5500	1.78	≤11dBm/1MHz	Pass
5580	1.79	≤11dBm/1MHz	Pass
5600	1.71	≤11dBm/1MHz	Pass
5700	1.96	≤11dBm/1MHz	Pass
5745	0.35	≤30dBm/500kHz	Pass
5785	0.11	≤30dBm/500kHz	Pass
5825	-0.13	≤30dBm/500kHz	Pass

802.11 n40 mode			
Frequency (MHz)	Power Spectral Density	Limit (kHz)	Result
5190	-3.73	≤11dBm/1MHz	Pass
5230	-3.13	≤11dBm/1MHz	Pass
5270	-2.05	≤11dBm/1MHz	Pass
5310	-1.93	≤11dBm/1MHz	Pass
5510	-1.31	≤11dBm/1MHz	Pass
5550	-1.41	≤11dBm/1MHz	Pass
5590	-1.37	≤11dBm/1MHz	Pass
5670	-1.10	≤11dBm/1MHz	Pass
5755	-2.66	≤30dBm/500kHz	Pass
5795	-3.10	≤30dBm/500kHz	Pass

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802.11ac 40 mode			
Frequency (MHz)	Power Spectral Density	Limit (kHz)	Result
5190	-3.69	≤11dBm/1MHz	Pass
5230	-3.01	≤11dBm/1MHz	Pass
5270	-1.81	≤11dBm/1MHz	Pass
5310	-1.646	≤11dBm/1MHz	Pass
5510	-1.39	≤11dBm/1MHz	Pass
5550	-1.23	≤11dBm/1MHz	Pass
5590	-1.56	≤11dBm/1MHz	Pass
5670	-1.31	≤11dBm/1MHz	Pass
5755	-2.69	≤30dBm/500kHz	Pass
5795	-3.05	≤30dBm/500kHz	Pass

802.11ac 80 mode			
Frequency (MHz)	Power Spectral Density	Limit (kHz)	Result
5210	1.88	≤11dBm/1MHz	Pass
5290	3.22	≤11dBm/1MHz	Pass
5530	3.76	≤11dBm/1MHz	Pass
5610	2.82	≤11dBm/1MHz	Pass
5690	3.02	≤11dBm/1MHz	Pass
5775	3.48	≤30dBm/500kHz	Pass

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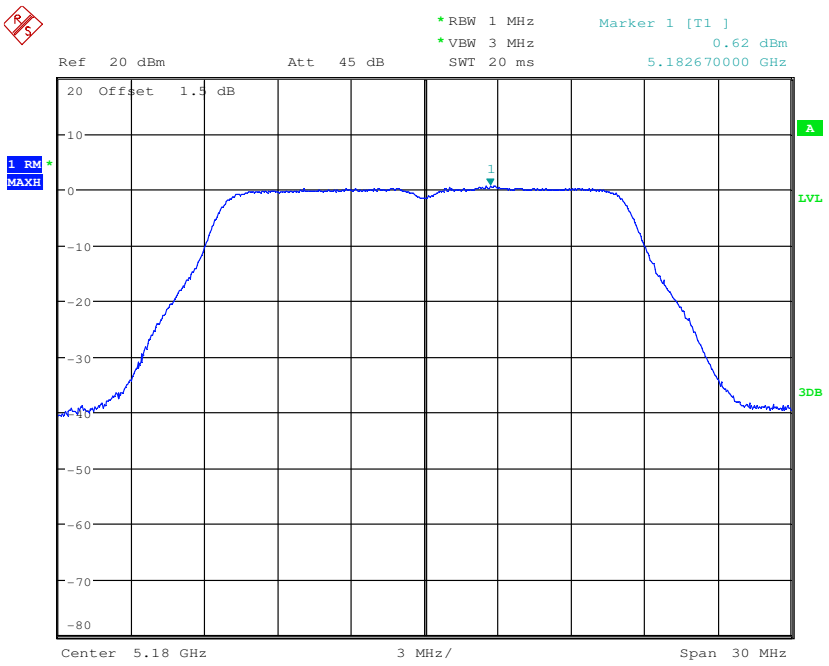
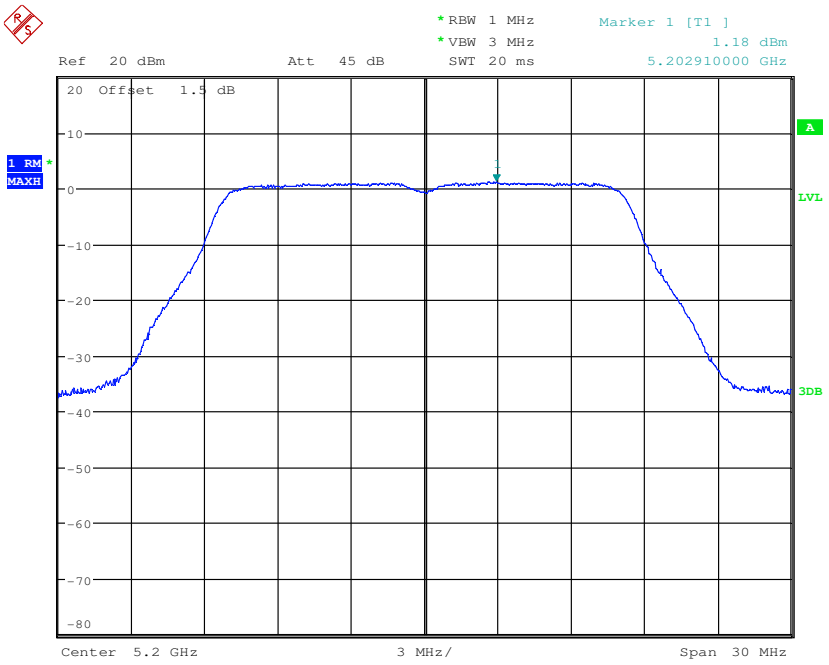
Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180



Test mode:	802.11a	Frequency(MHz):	5200



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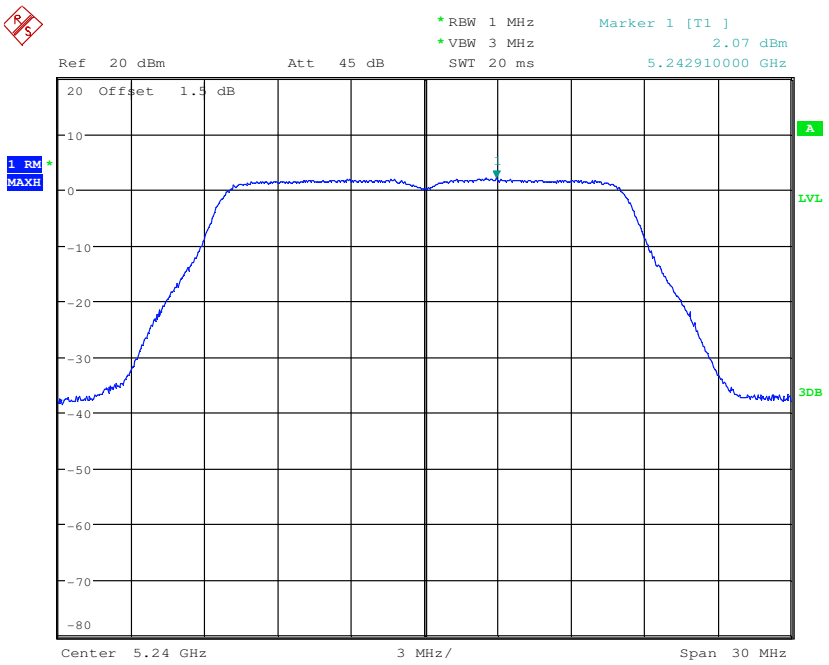
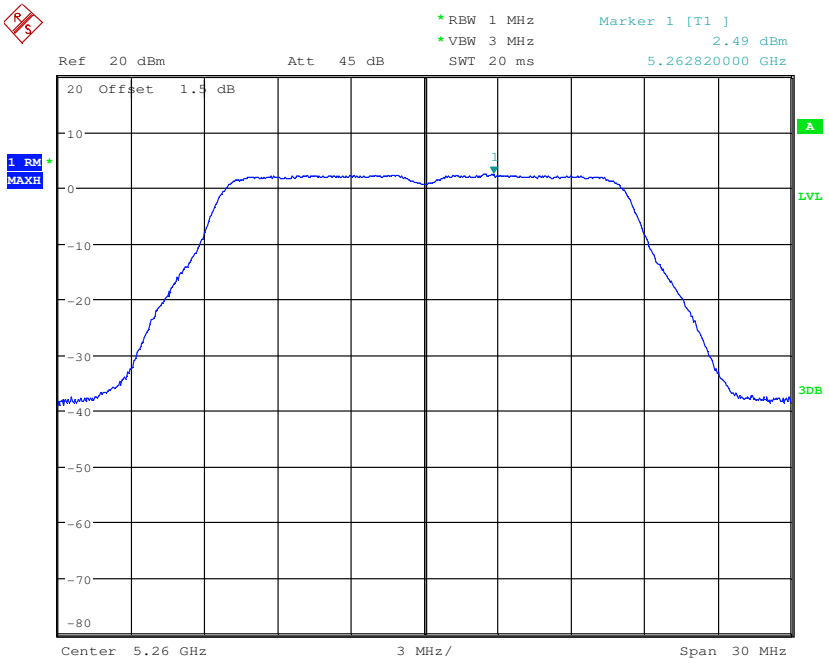
Test mode:	802.11a	Frequency(MHz):	5240



Test mode:	802.11a	Frequency(MHz):	5260



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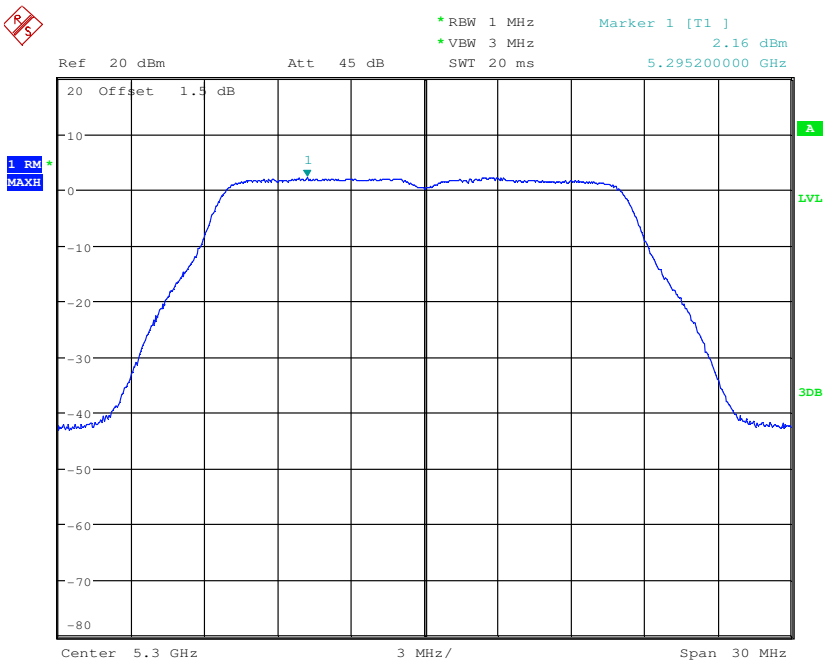
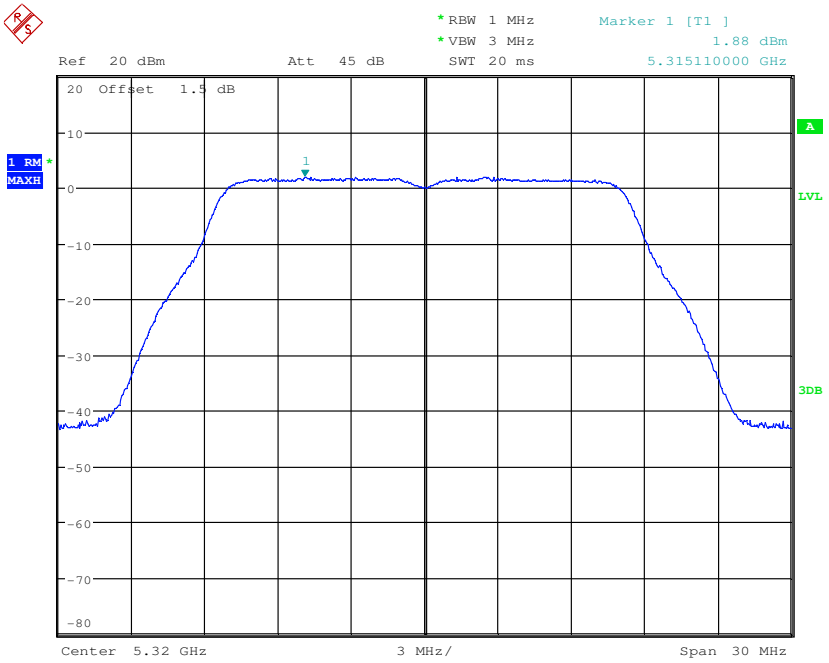
Test mode:	802.11a	Frequency(MHz):	5300



Test mode:	802.11a	Frequency(MHz):	5320



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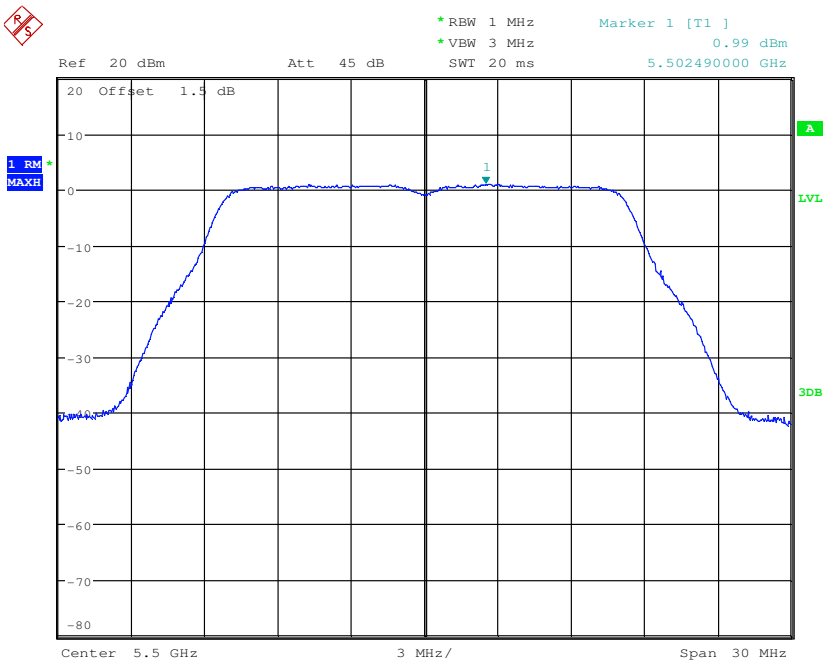
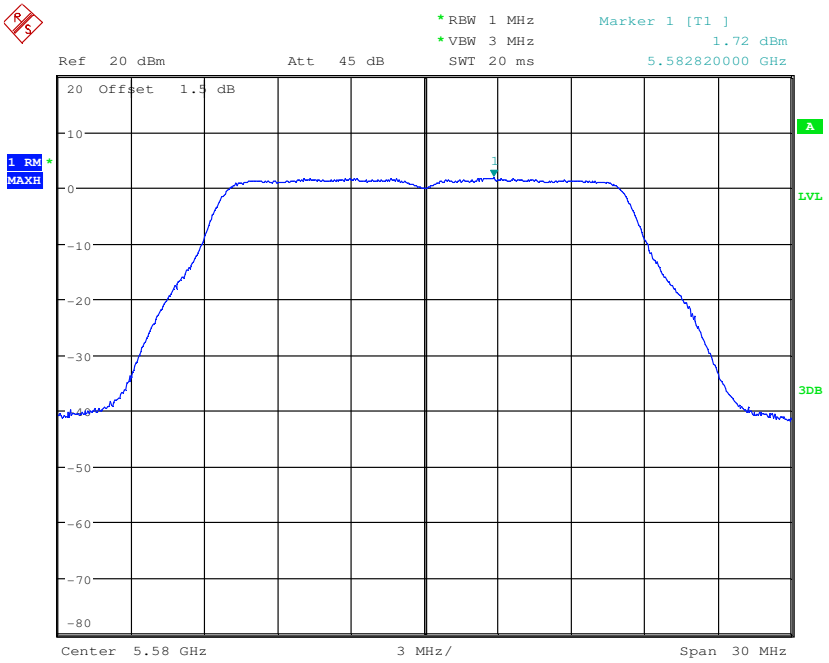
Test mode:	802.11a	Frequency(MHz):	5500



Test mode:	802.11a	Frequency(MHz):	5580



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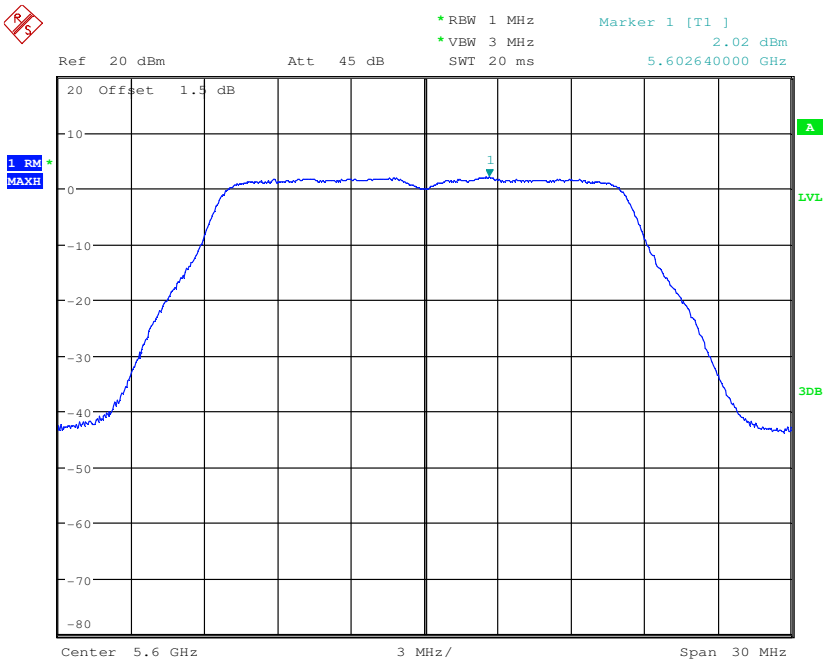
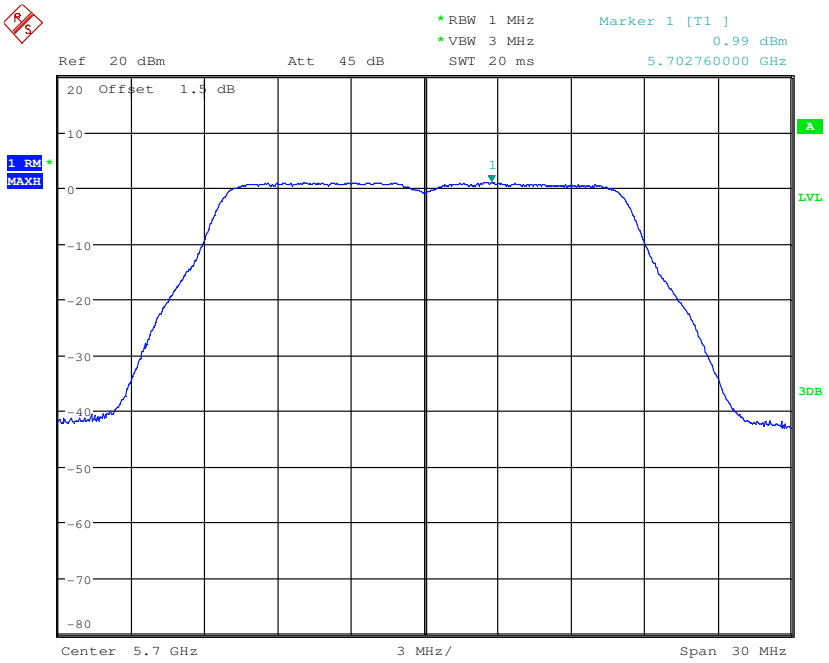
Test mode:	802.11a	Frequency(MHz):	5600



Test mode:	802.11a	Frequency(MHz):	5700



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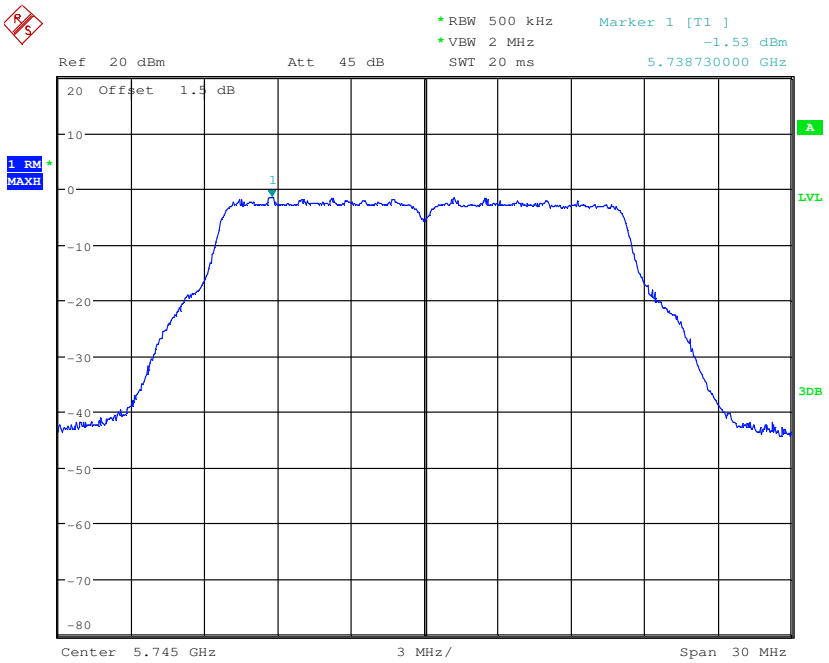
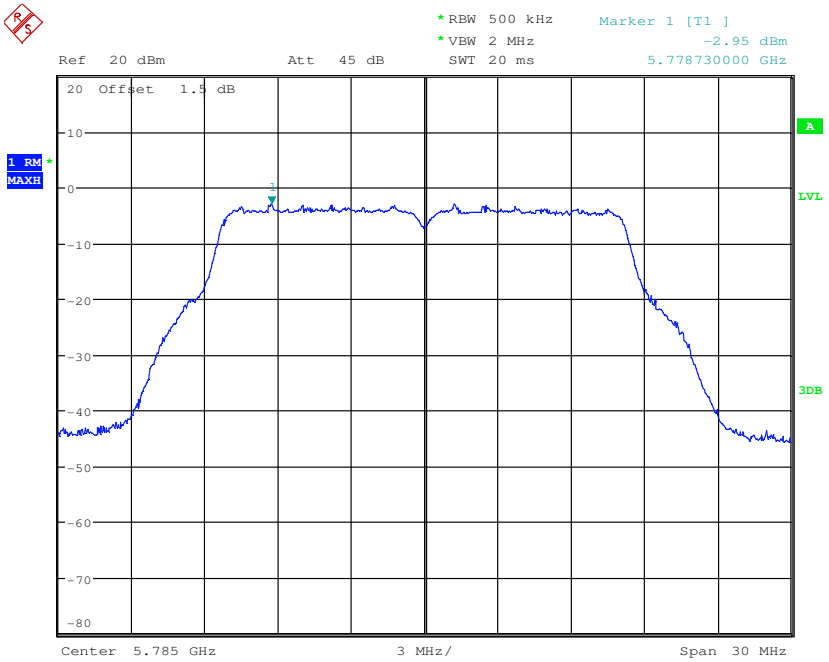
Test mode:	802.11a	Frequency(MHz):	5745



Test mode:	802.11a	Frequency(MHz):	5785



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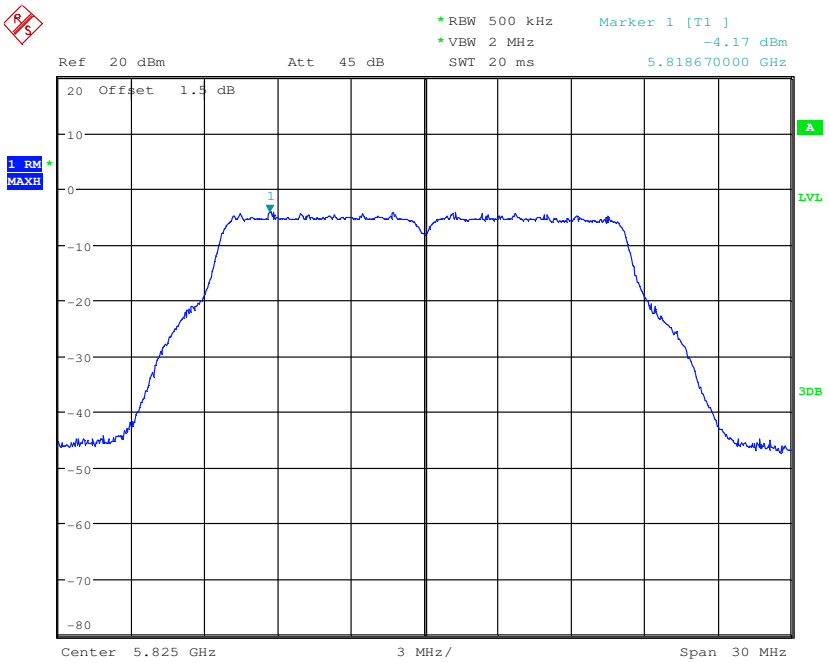
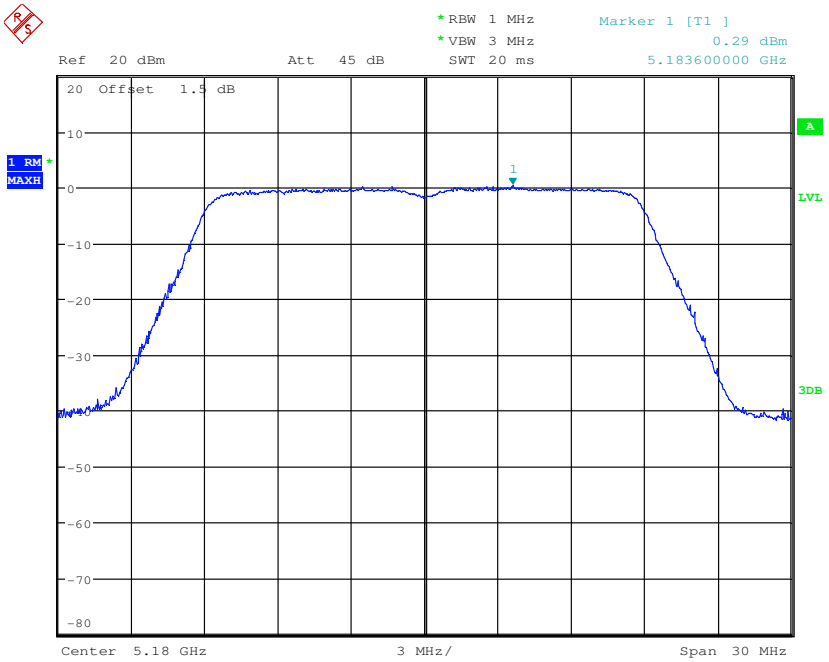
Test mode:	802.11a	Frequency(MHz):	5825



Test mode:	802.11 n20	Frequency(MHz):	5180



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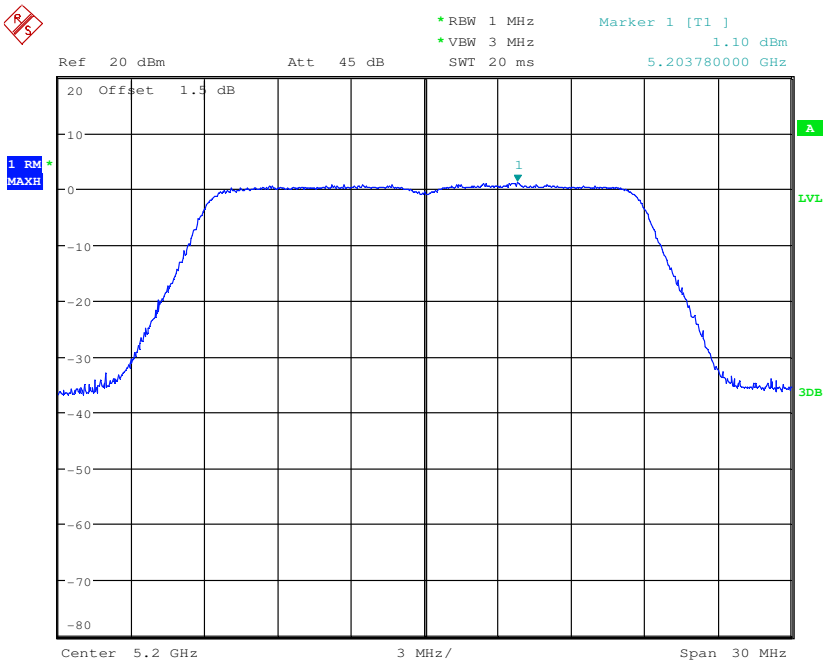
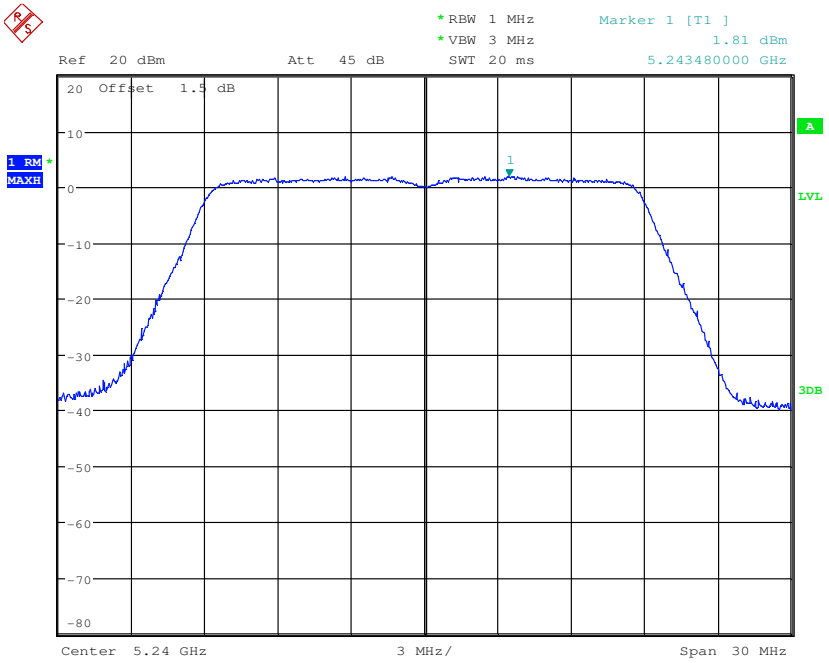
Test mode:	802.11 n20	Frequency(MHz):	5200



Test mode:	802.11 n20	Frequency(MHz):	5240



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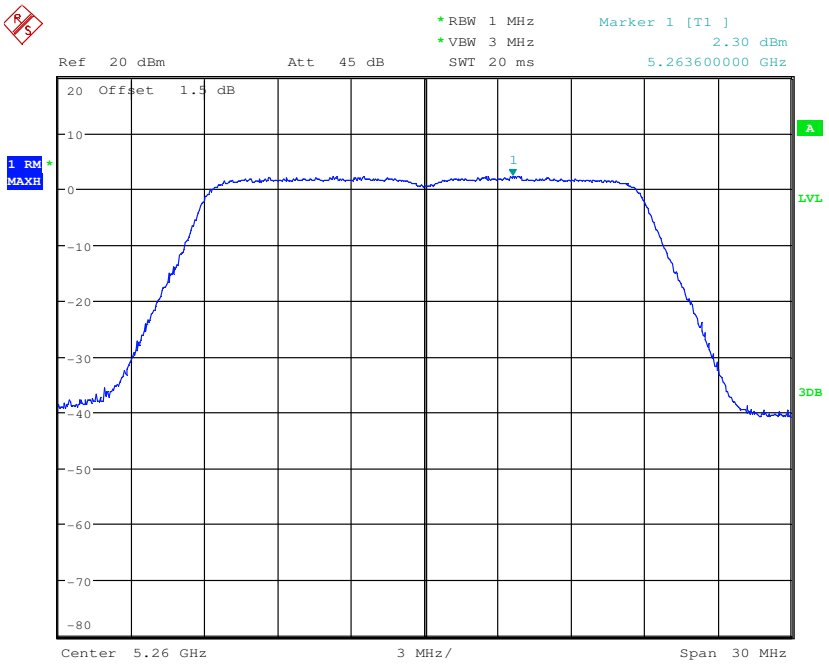
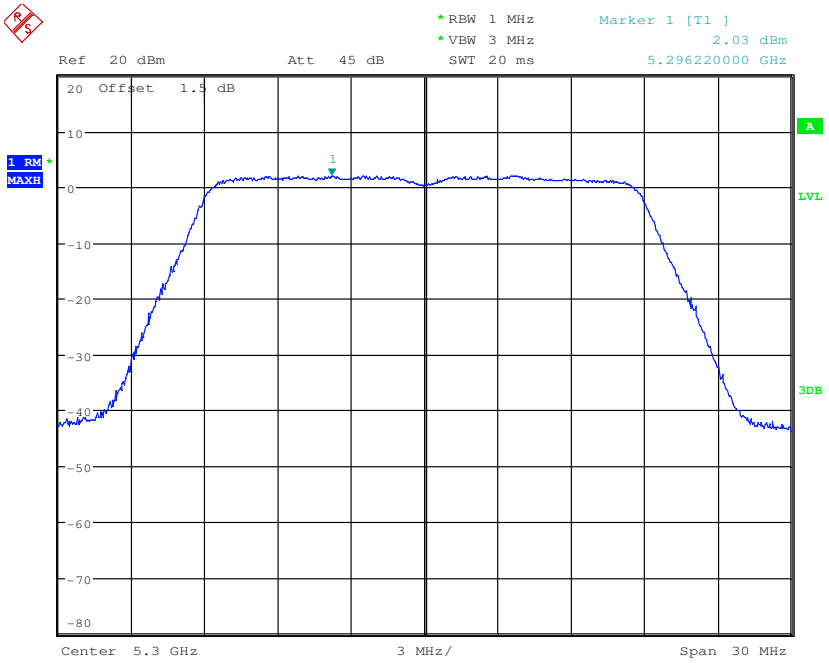
Test mode:	802.11 n20	Frequency(MHz):	5260



Test mode:	802.11 n20	Frequency(MHz):	5300



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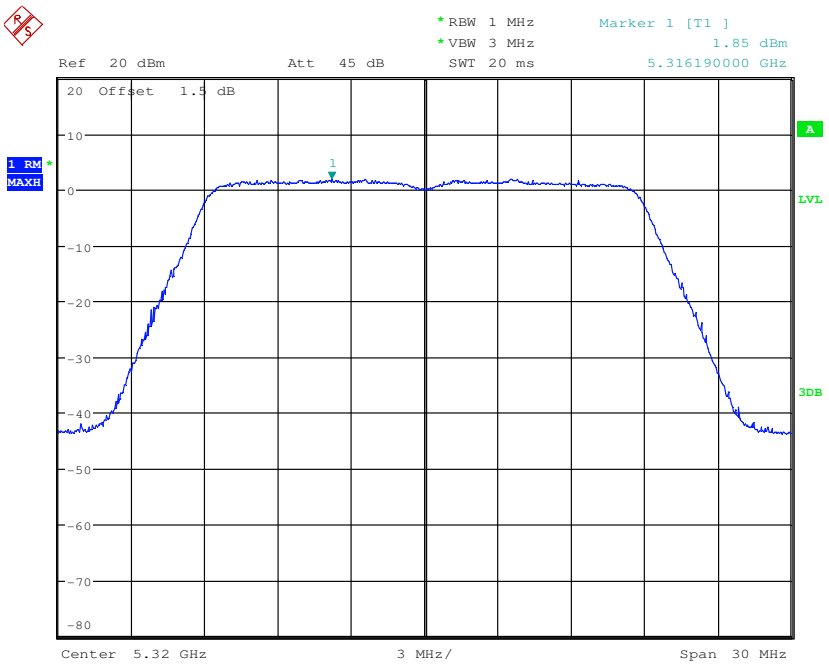
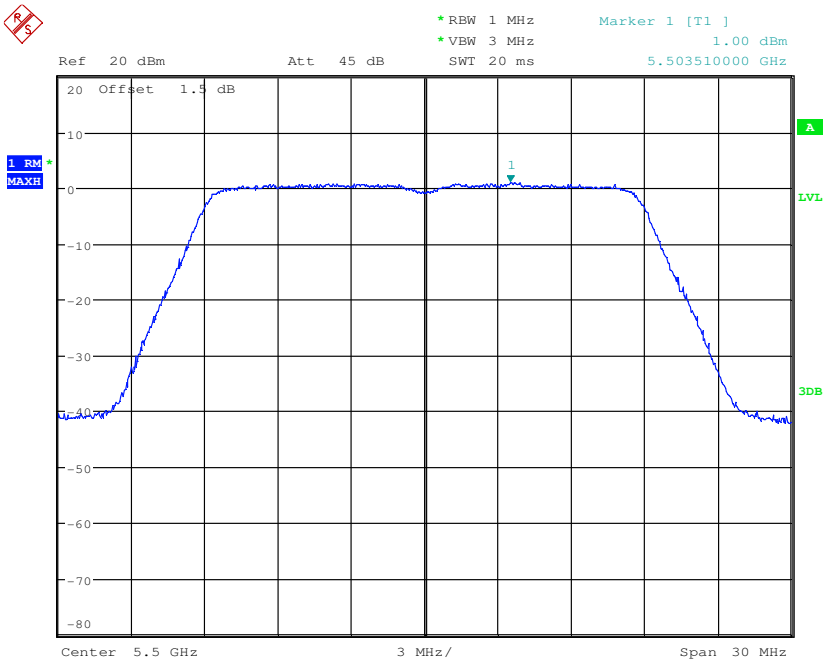
Test mode:	802.11 n20	Frequency(MHz):	5320



Test mode:	802.11 n20	Frequency(MHz):	5500



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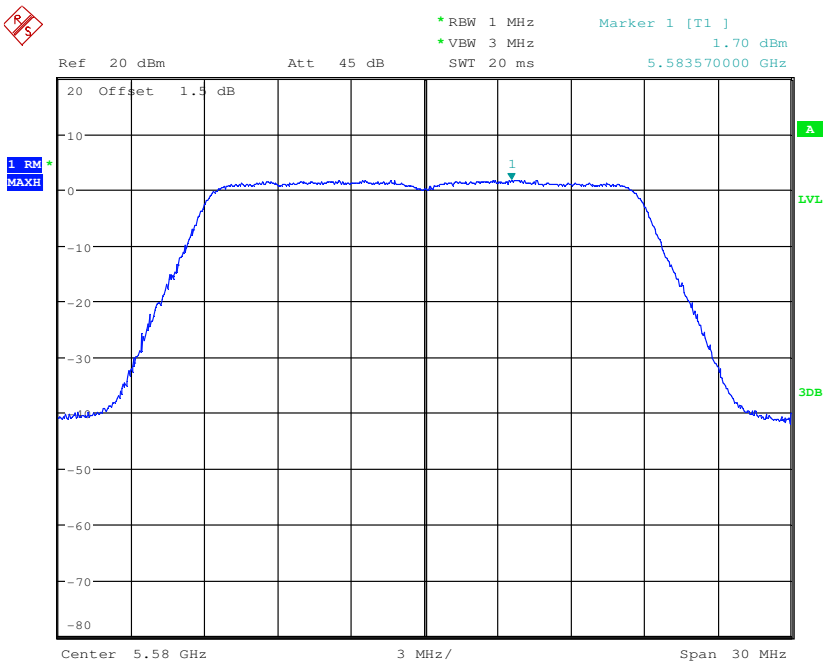
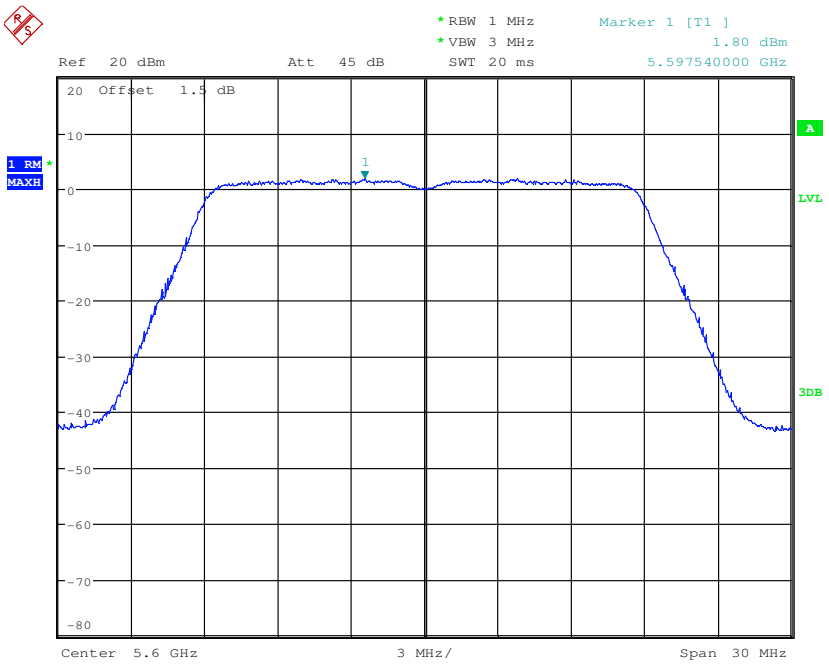
Test mode:	802.11 n20	Frequency(MHz):	5580



Test mode:	802.11 n20	Frequency(MHz):	5600



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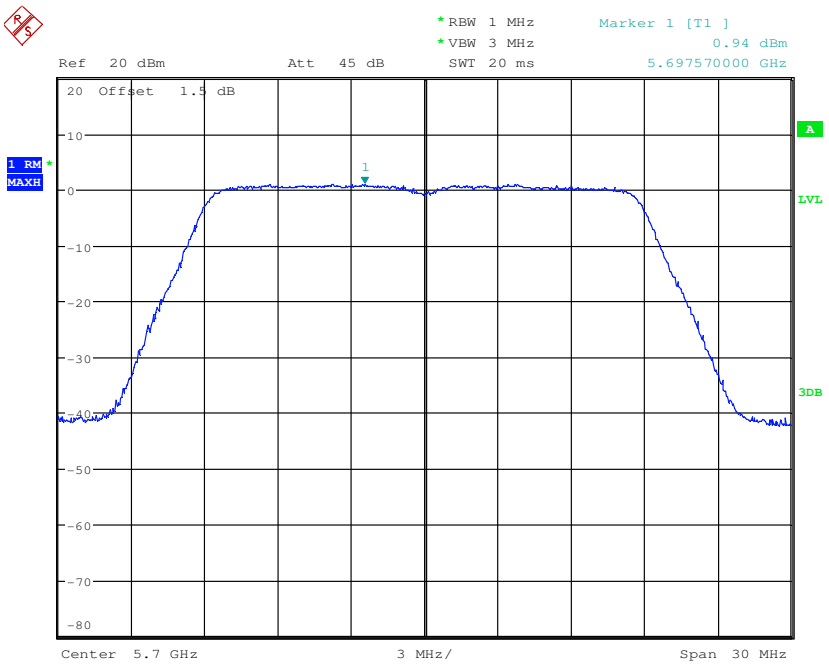
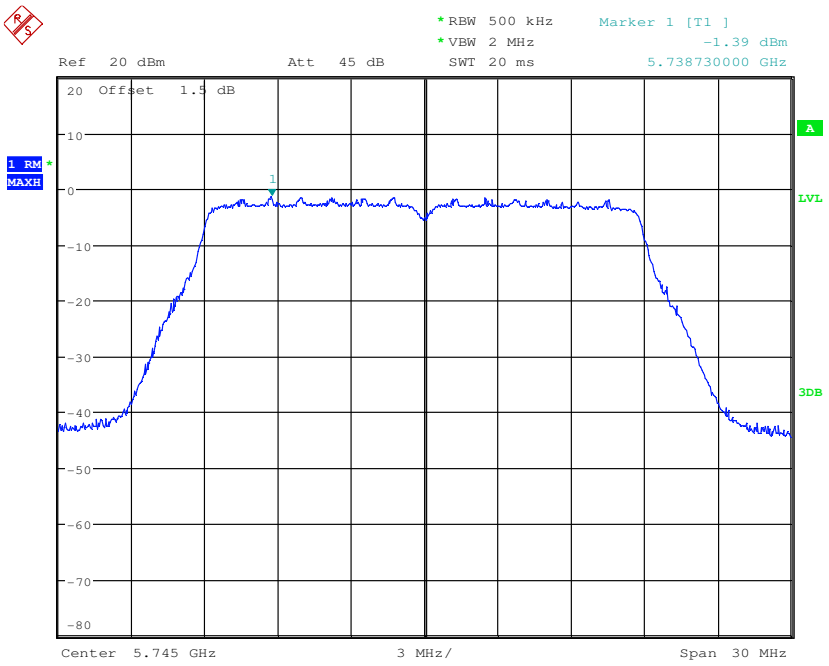
Test mode:	802.11 n20	Frequency(MHz):	5700



Test mode:	802.11 n20	Frequency(MHz):	5745



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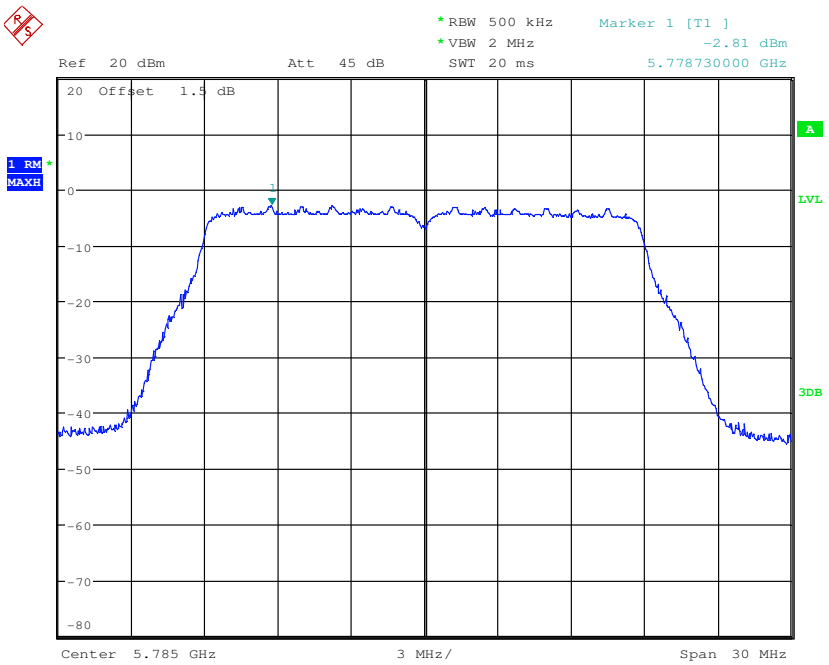
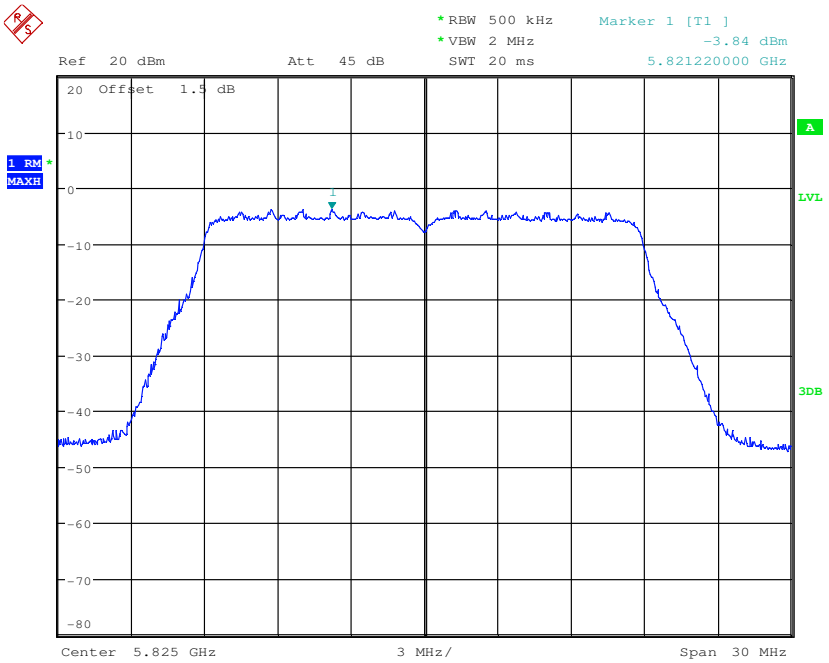
Test mode:	802.11 n20	Frequency(MHz):	5785



Test mode:	802.11 n20	Frequency(MHz):	5825



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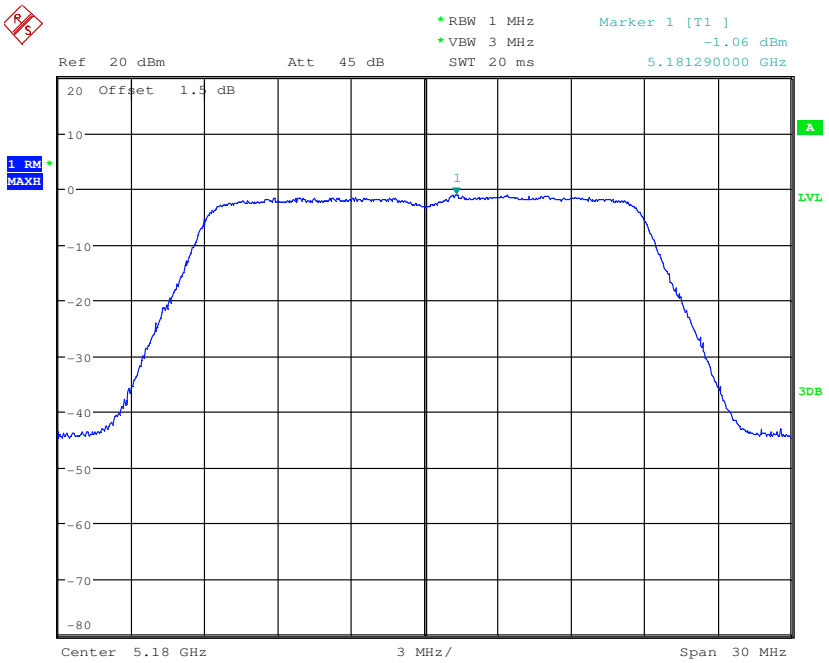
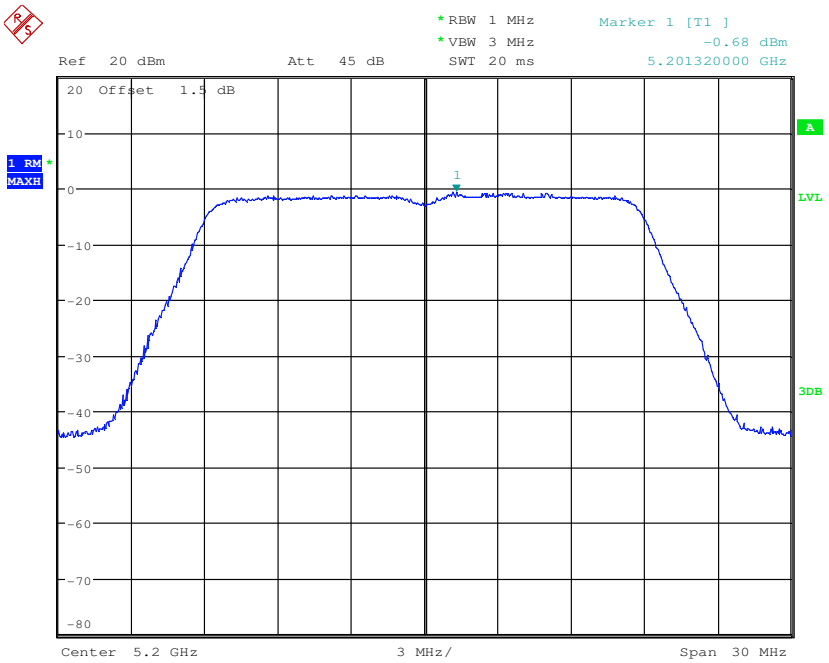
Test mode:	802.11 ac20	Frequency(MHz):	5180



Test mode:	802.11 ac20	Frequency(MHz):	5200



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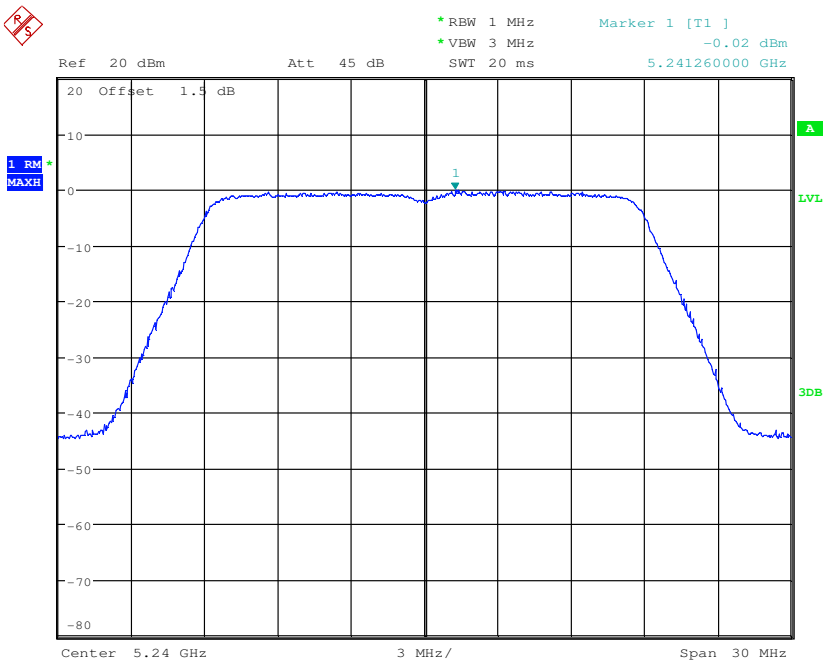
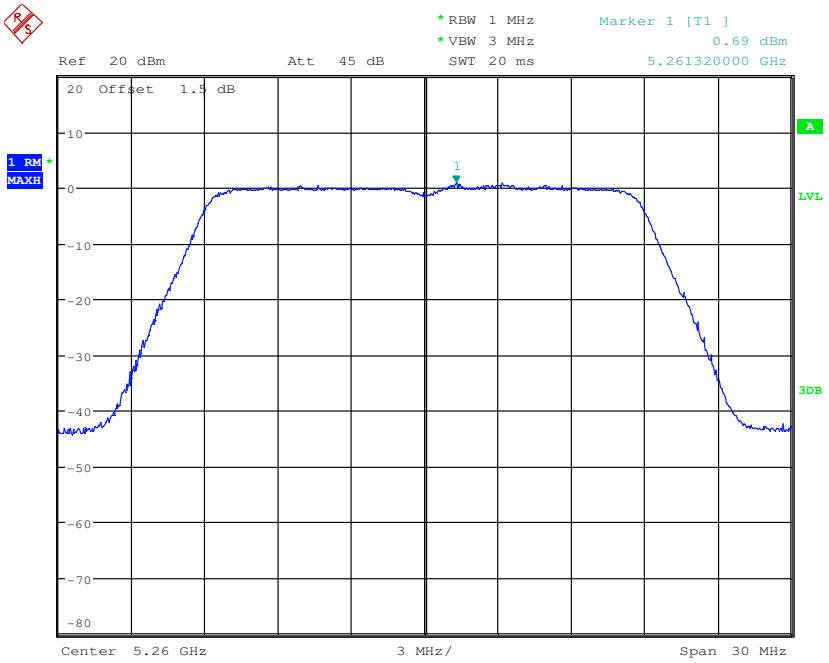
Test mode:	802.11 ac20	Frequency(MHz):	5240



Test mode:	802.11 ac20	Frequency(MHz):	5260



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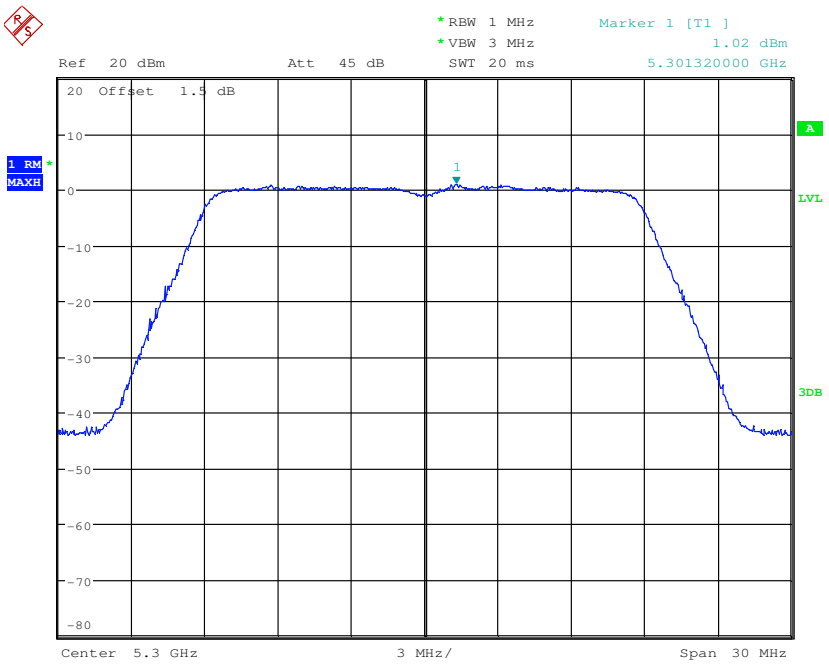
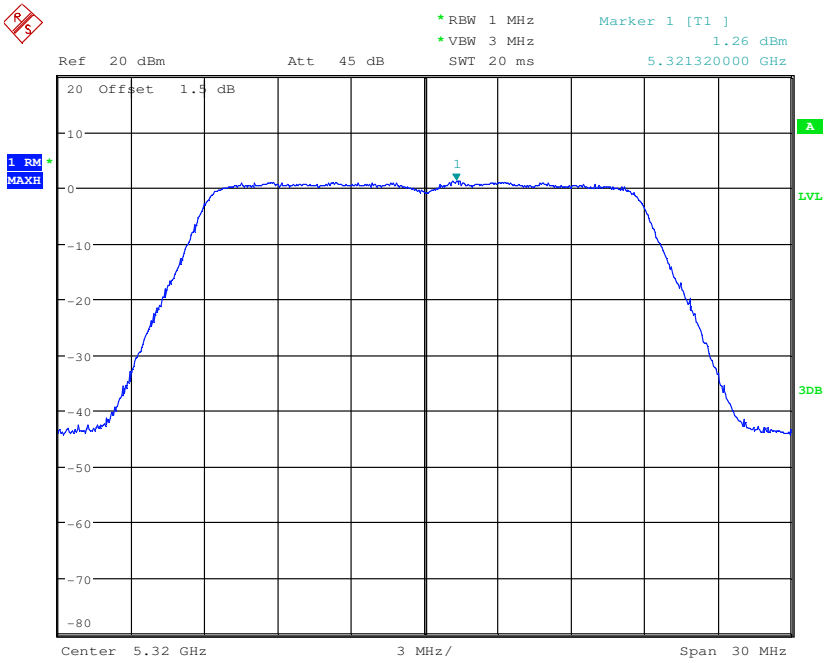
Test mode:	802.11 ac20	Frequency(MHz):	5300



Test mode:	802.11 ac20	Frequency(MHz):	5320



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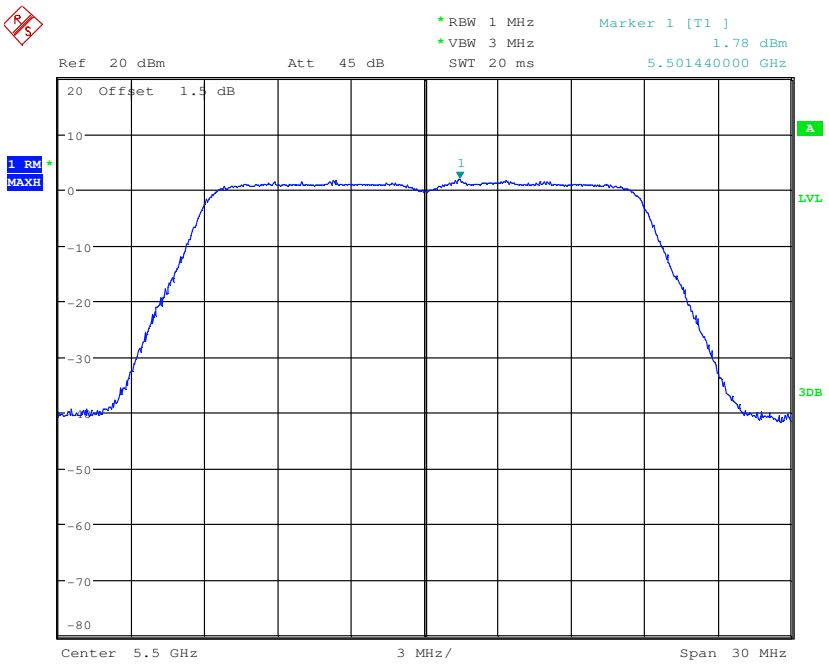
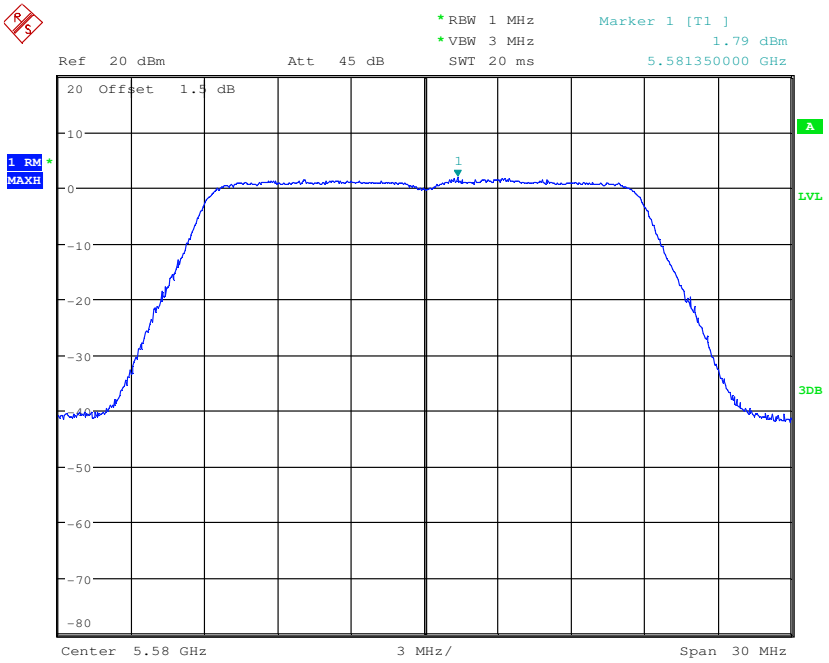
Test mode:	802.11 ac20	Frequency(MHz):	5500



Test mode:	802.11 ac20	Frequency(MHz):	5580



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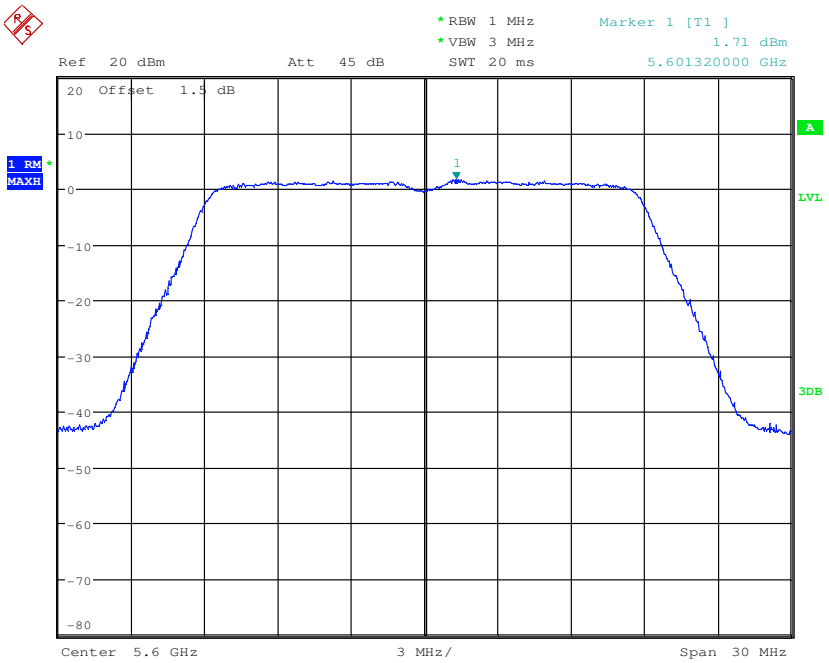
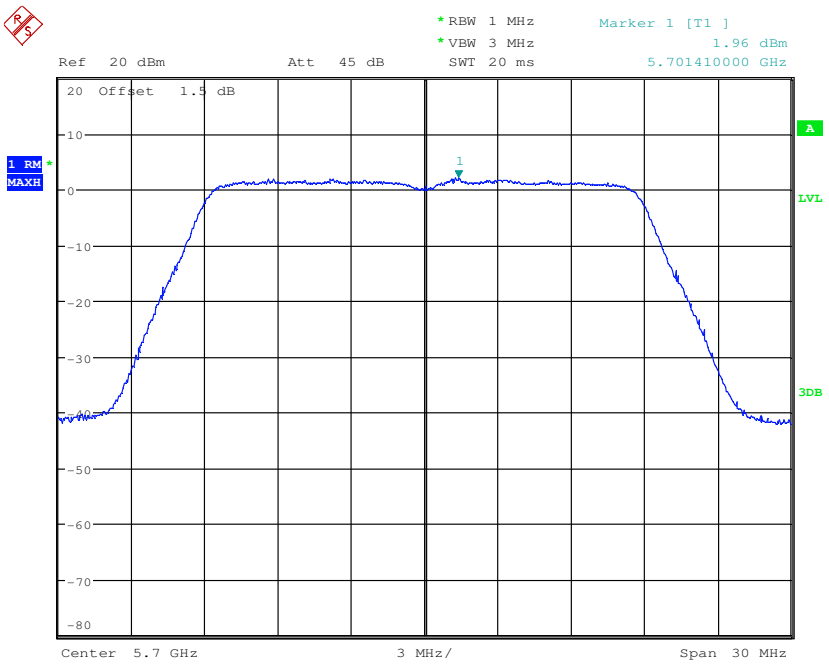
Test mode:	802.11 ac20	Frequency(MHz):	5600



Test mode:	802.11 ac20	Frequency(MHz):	5700



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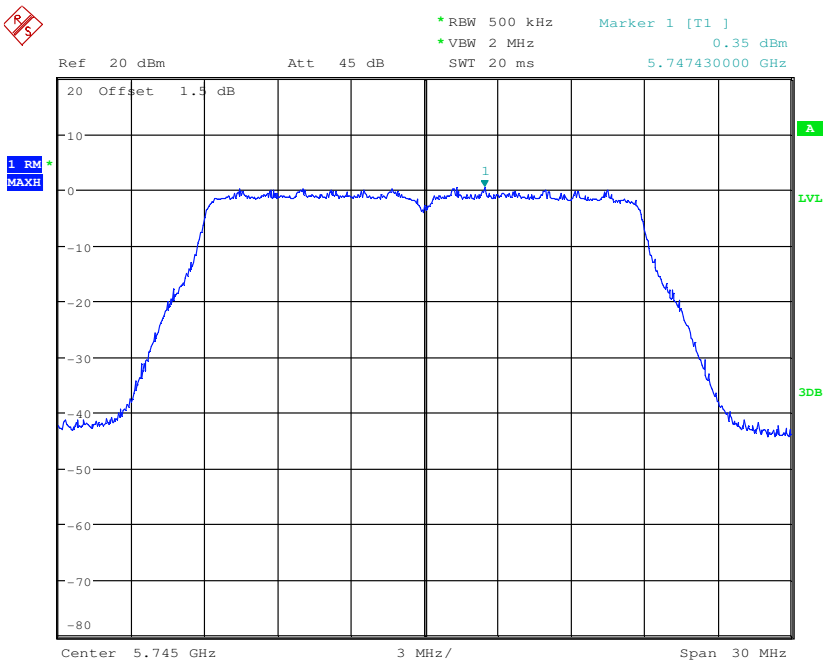
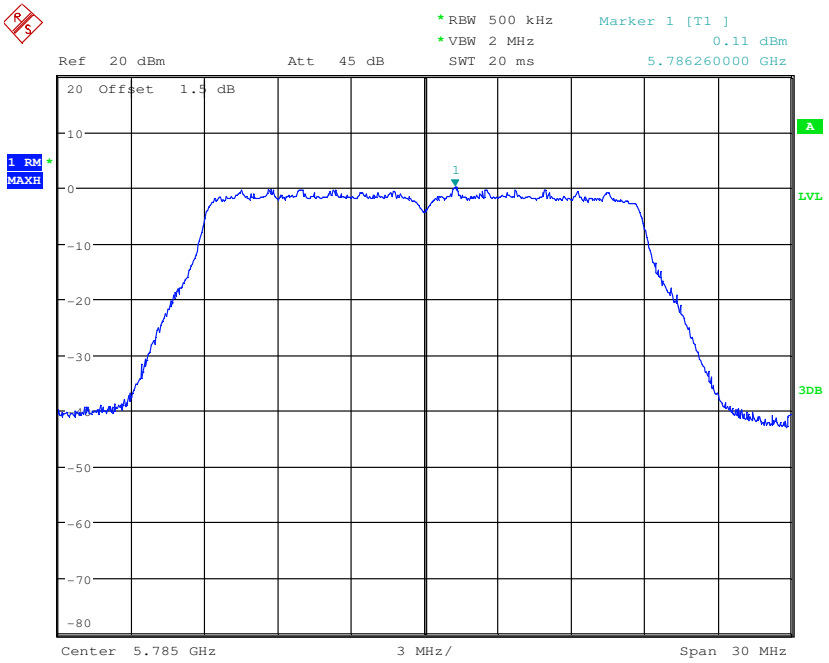
Test mode:	802.11 ac20	Frequency(MHz):	5745



Test mode:	802.11 ac20	Frequency(MHz):	5785



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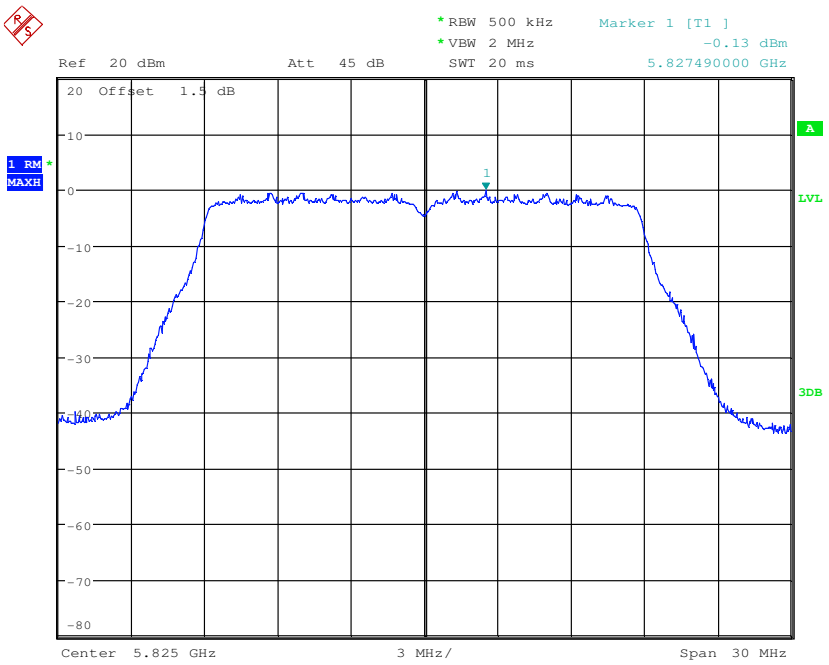
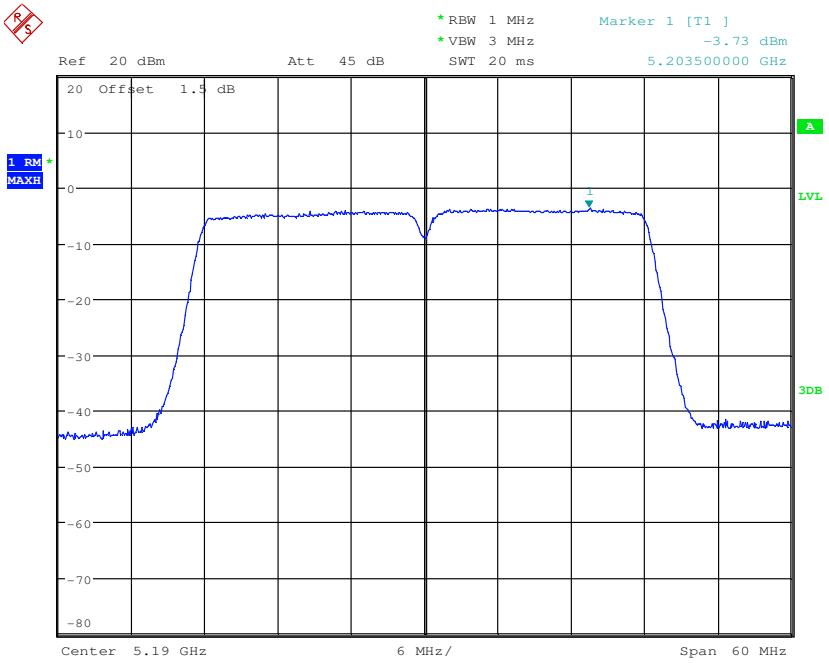
Test mode:	802.11 ac20	Frequency(MHz):	5825



Test mode:	802.11 n40	Frequency(MHz):	5190



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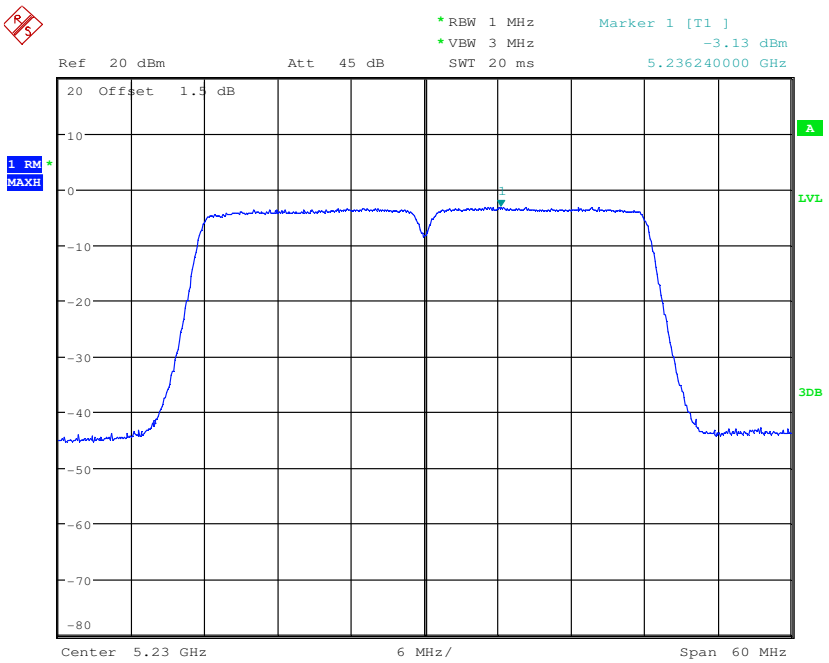
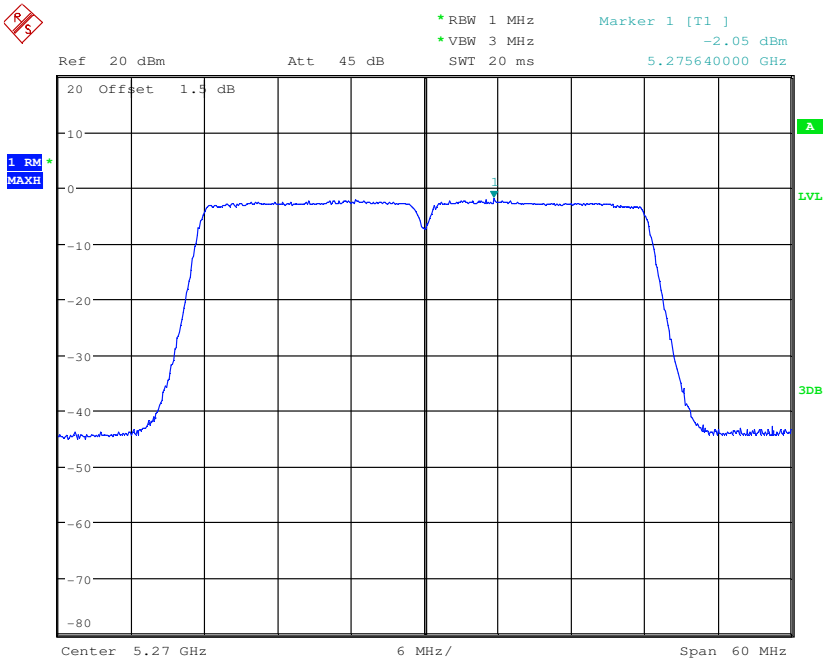
Test mode:	802.11 n40	Frequency(MHz):	5230



Test mode:	802.11 n40	Frequency(MHz):	5270



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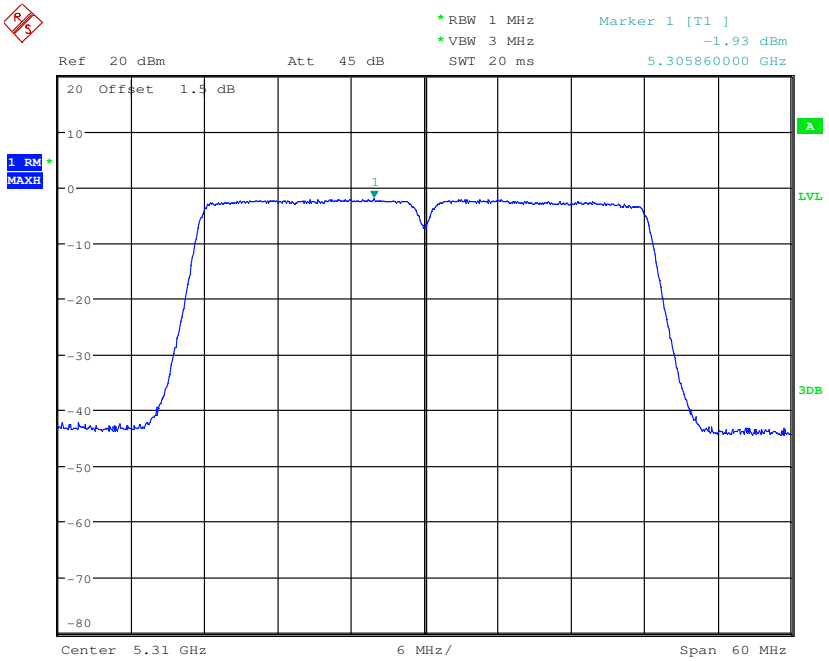
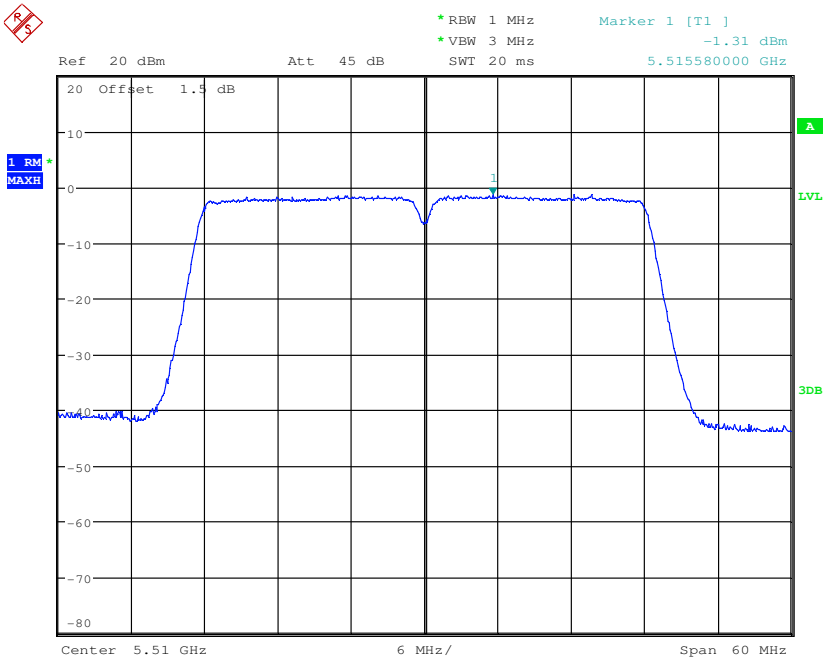
Test mode:	802.11 n40	Frequency(MHz):	5310



Test mode:	802.11 n40	Frequency(MHz):	5510



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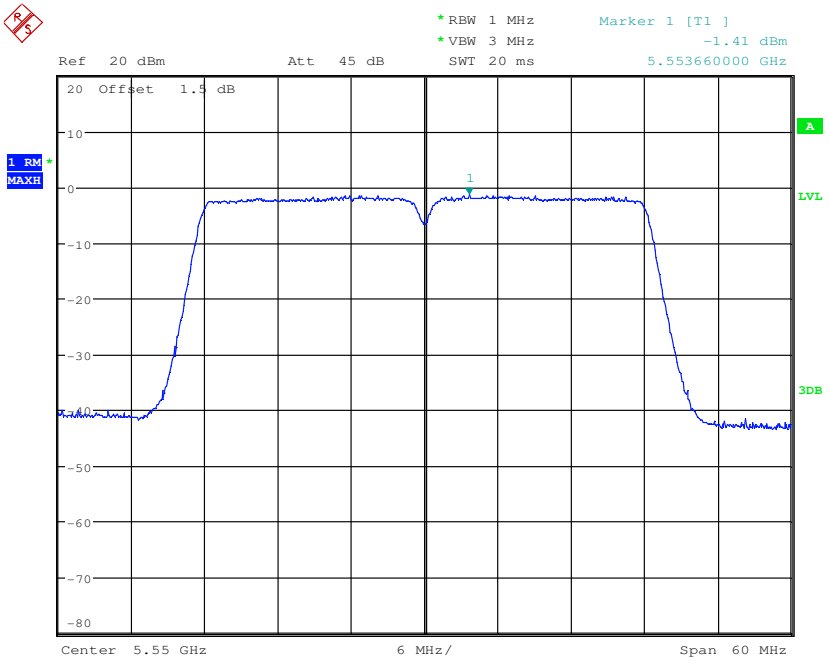
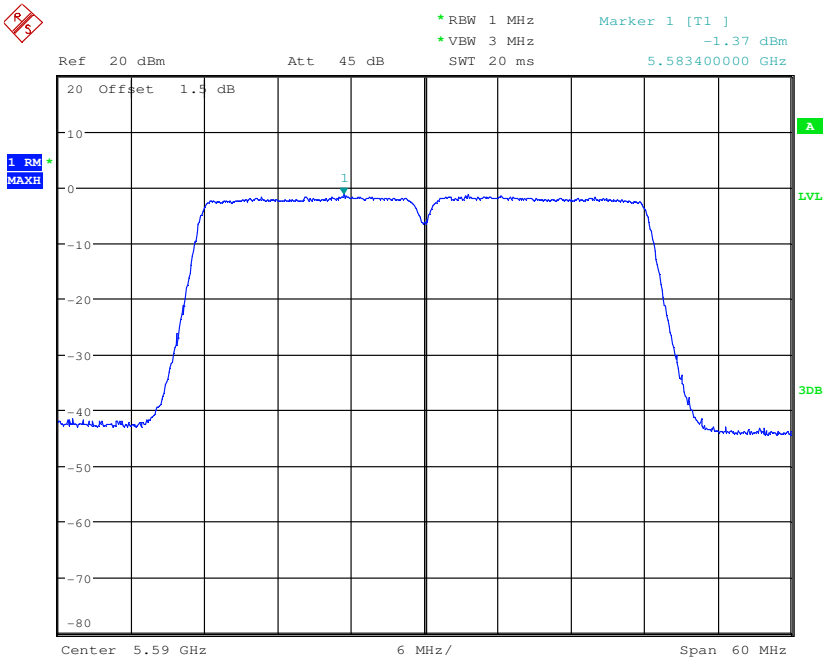
Test mode:	802.11 n40	Frequency(MHz):	5550



Test mode:	802.11 n40	Frequency(MHz):	5590



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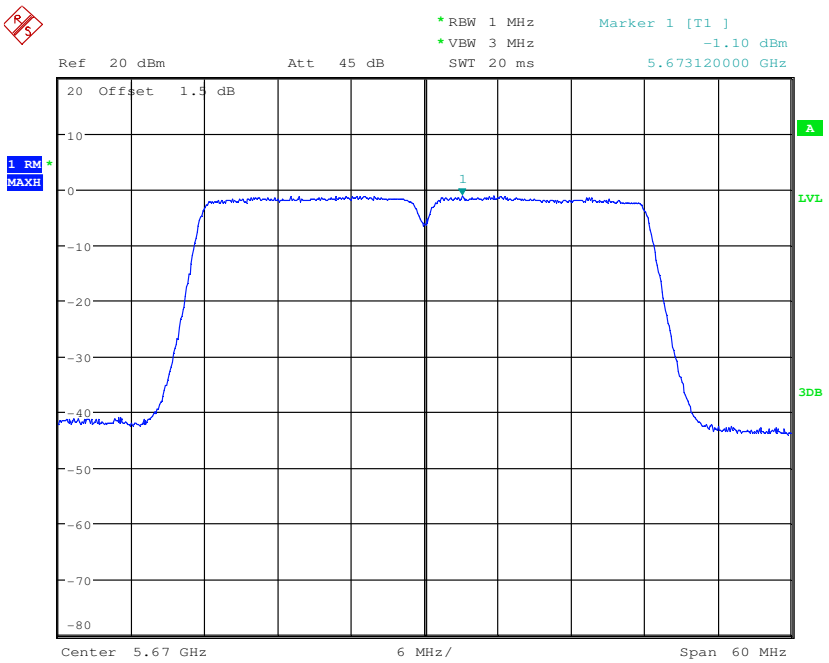
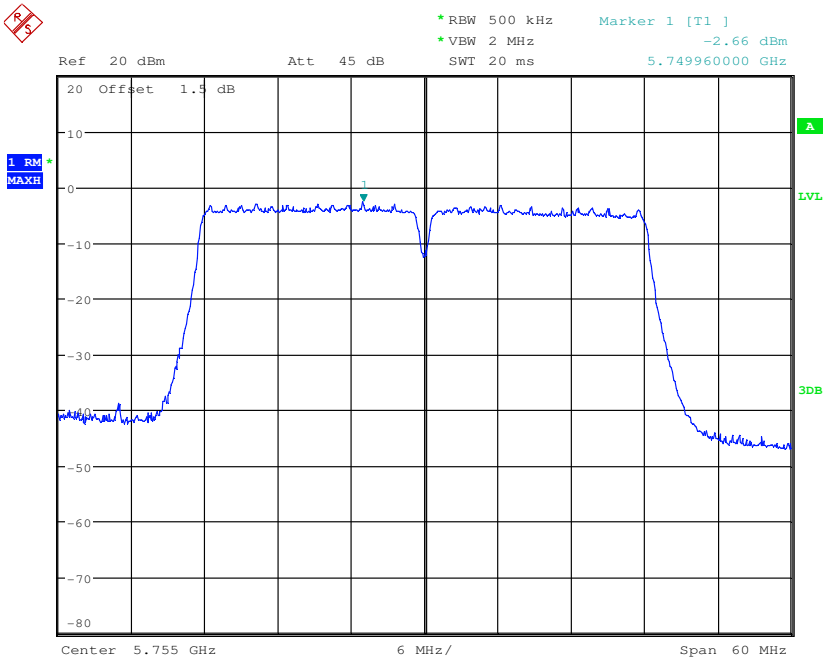
Test mode:	802.11 n40	Frequency(MHz):	5670



Test mode:	802.11 n40	Frequency(MHz):	5755



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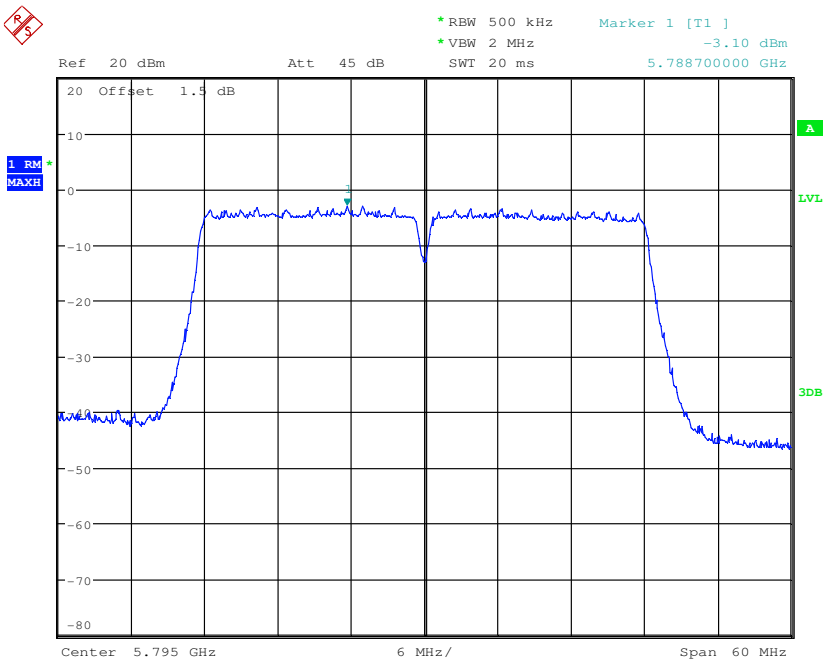
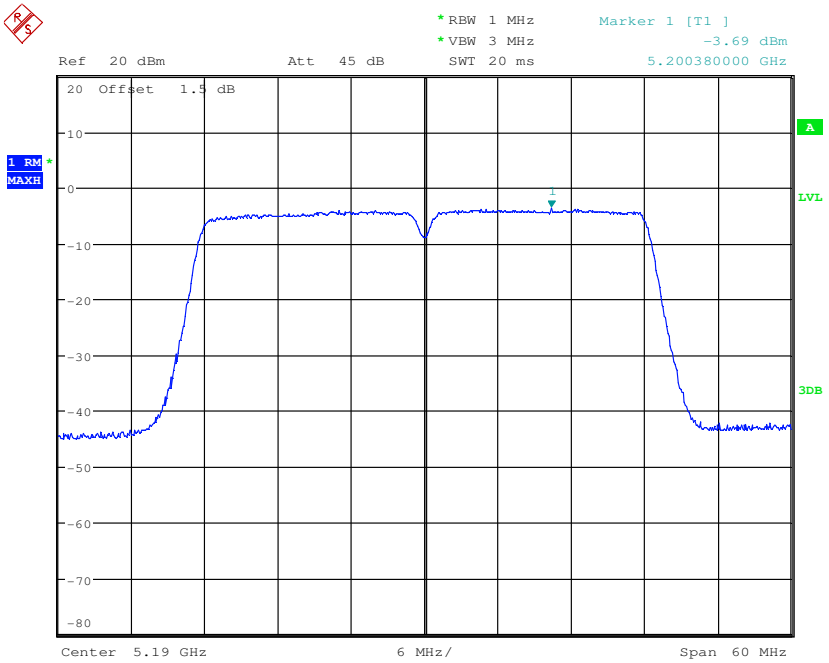
Test mode:	802.11 n40	Frequency(MHz):	5795



Test mode:	802.11 ac40	Frequency(MHz):	5190



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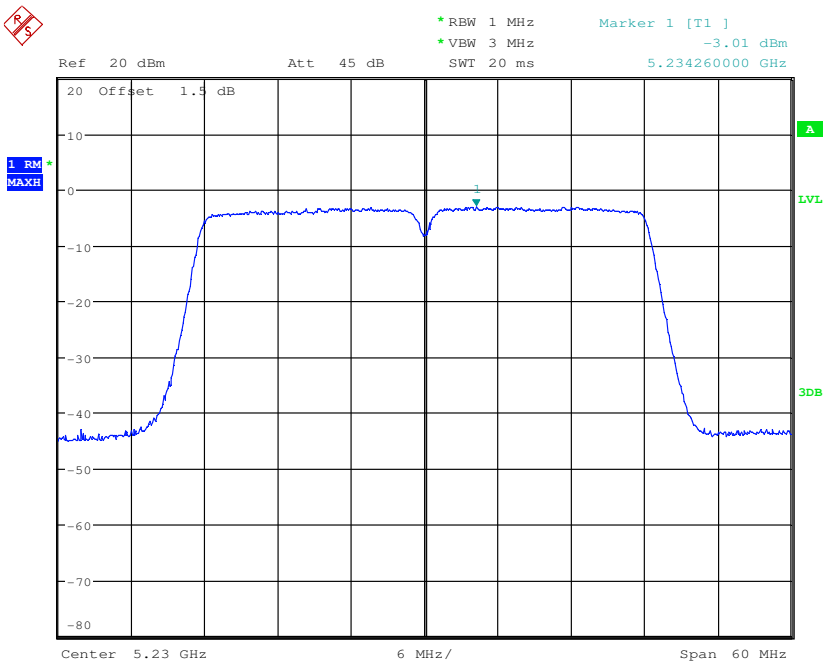
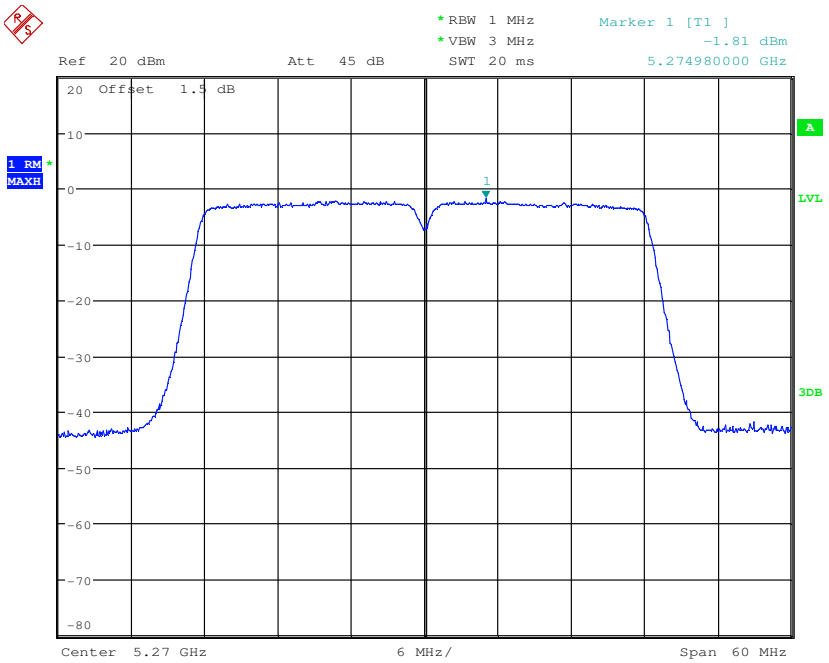
Test mode:	802.11 ac40	Frequency(MHz):	5230



Test mode:	802.11 ac40	Frequency(MHz):	5270



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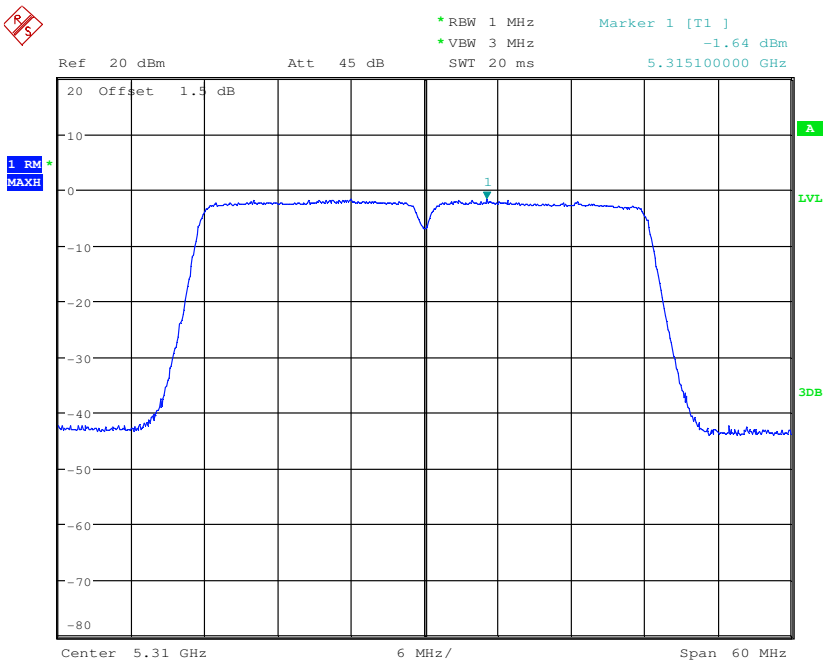
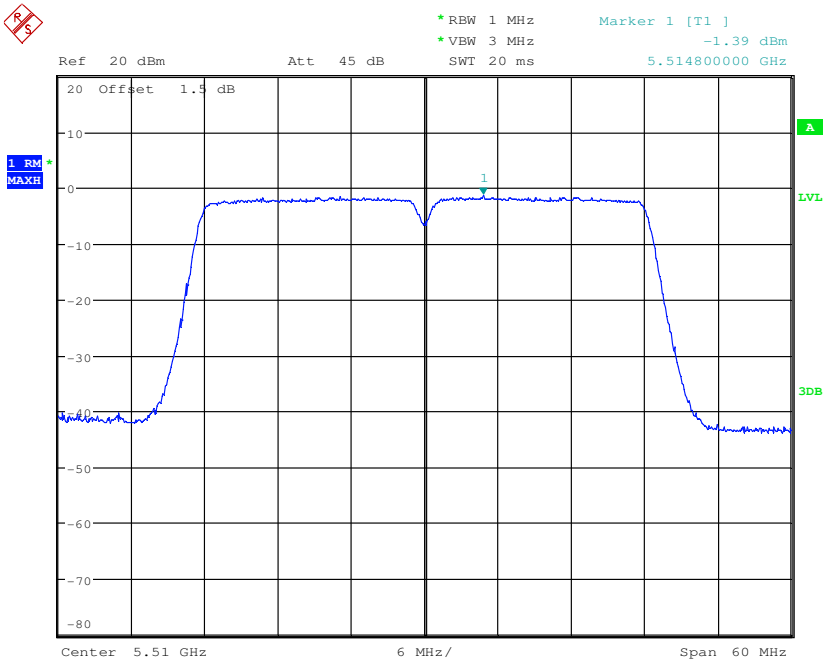
Test mode:	802.11 ac40	Frequency(MHz):	5310



Test mode:	802.11 ac40	Frequency(MHz):	5510



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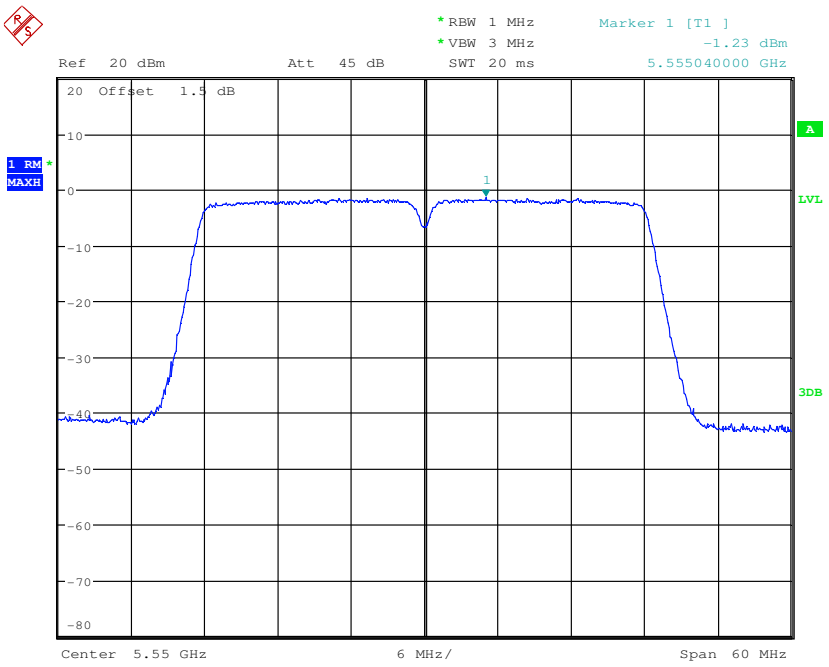
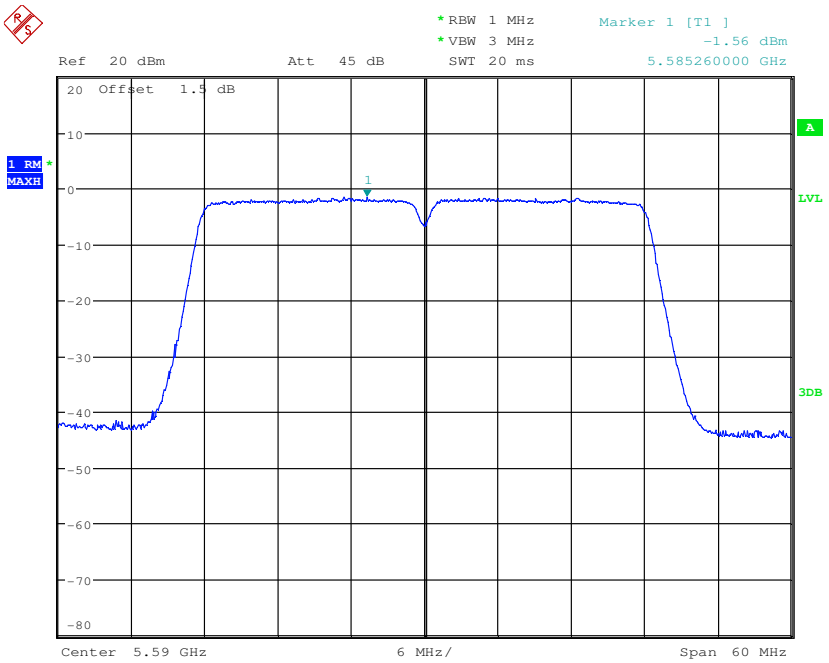
Test mode:	802.11 ac40	Frequency(MHz):	5550



Test mode:	802.11 ac40	Frequency(MHz):	5590



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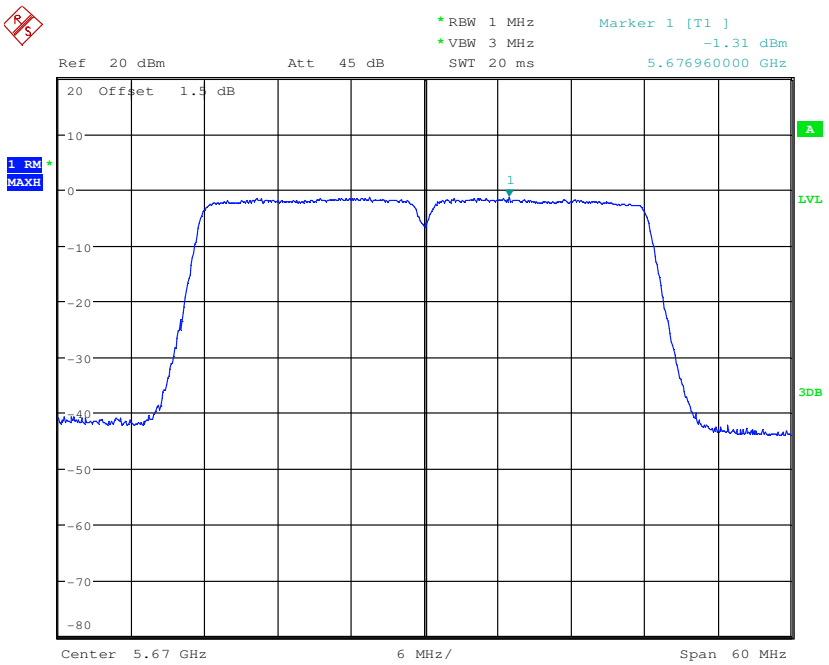
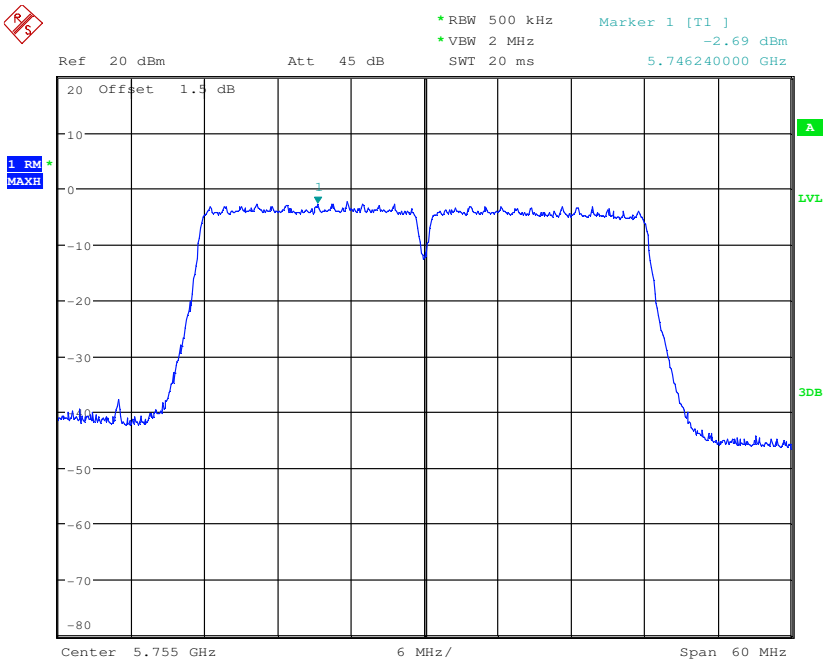
Test mode:	802.11 ac40	Frequency(MHz):	5670



Test mode:	802.11 ac40	Frequency(MHz):	5755



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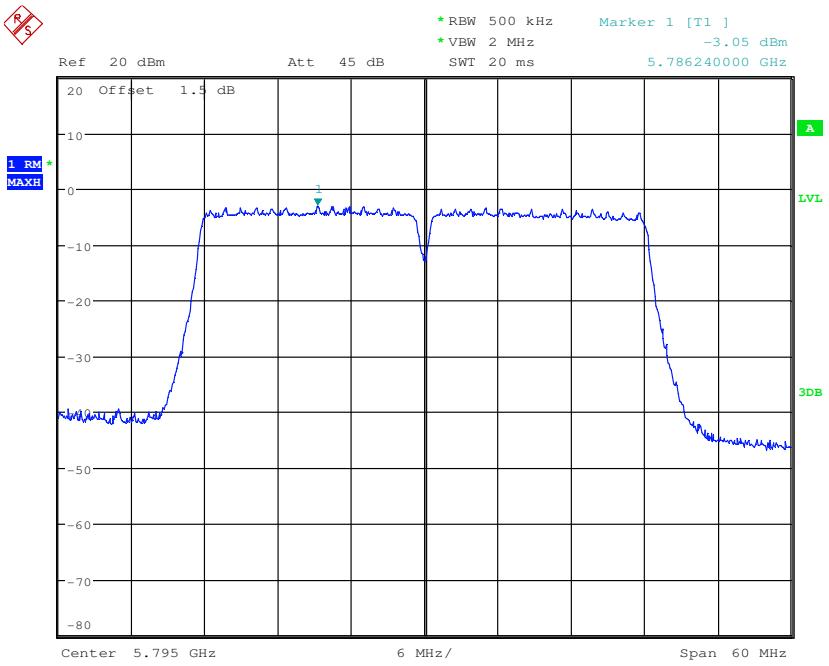
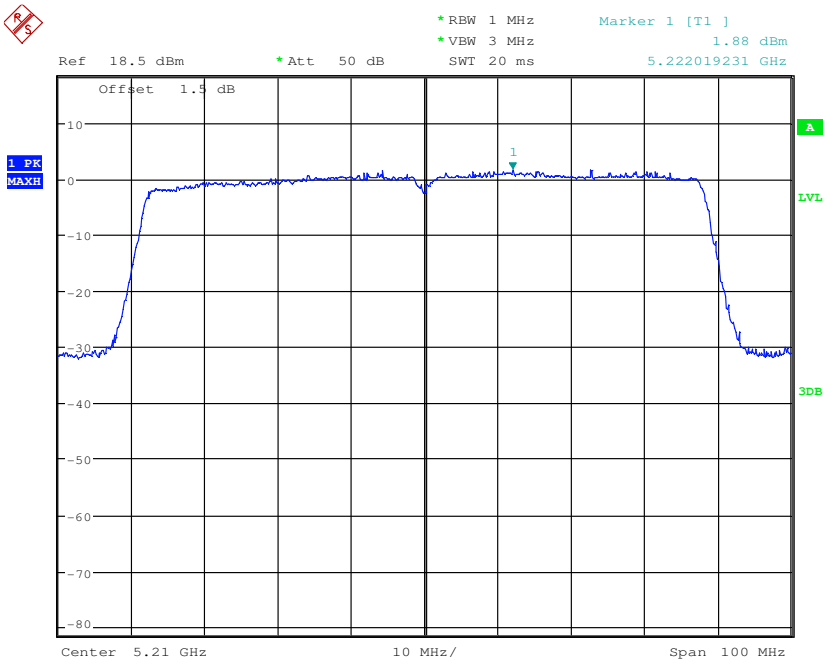
Test mode:	802.11 ac40	Frequency(MHz):	5795



Test mode:	802.11 ac80	Frequency(MHz):	5210



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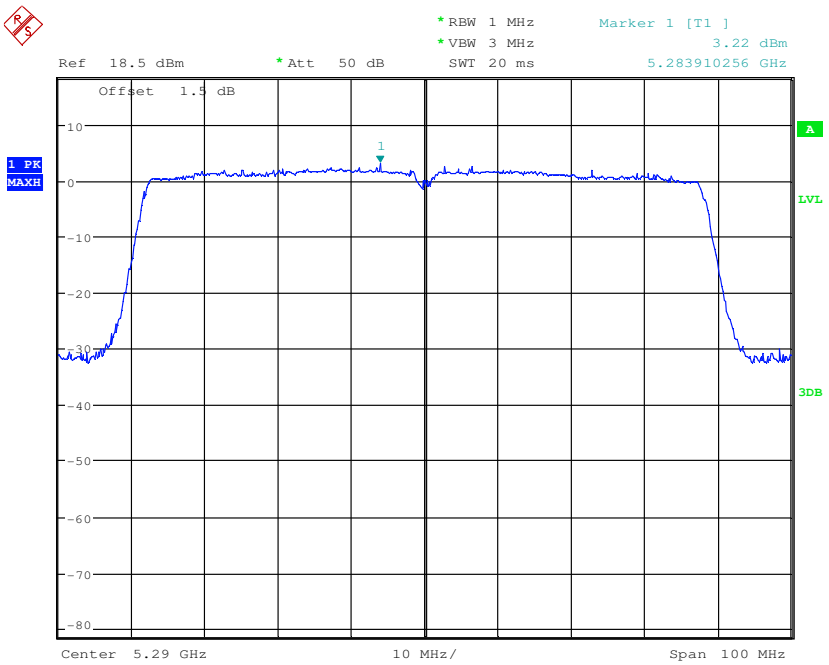
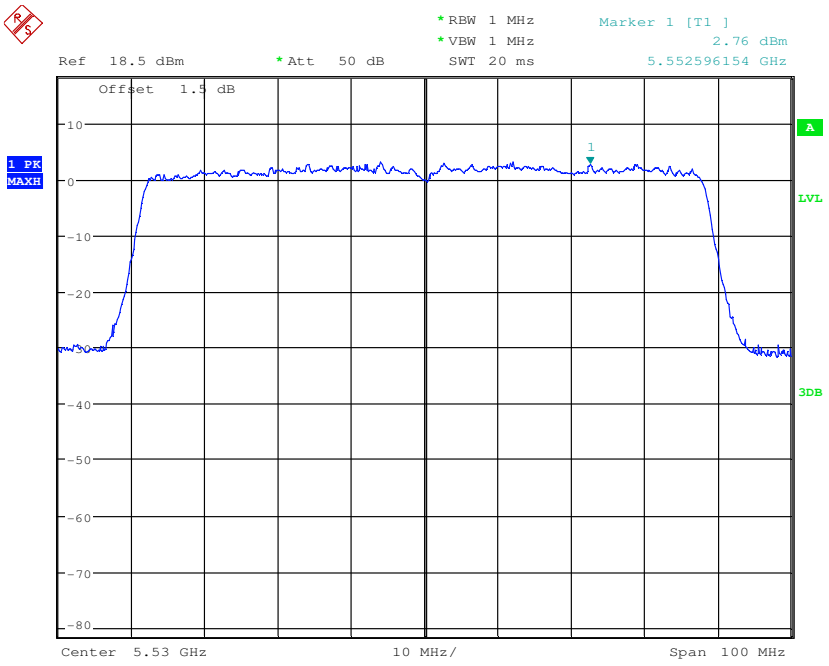
Test mode:	802.11 ac80	Frequency(MHz):	5290



Test mode:	802.11 ac80	Frequency(MHz):	5530



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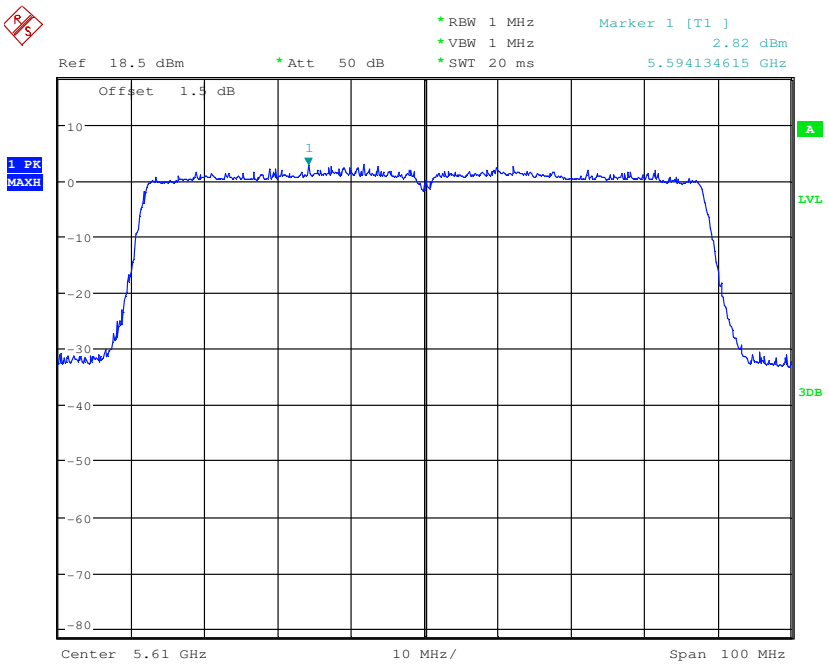
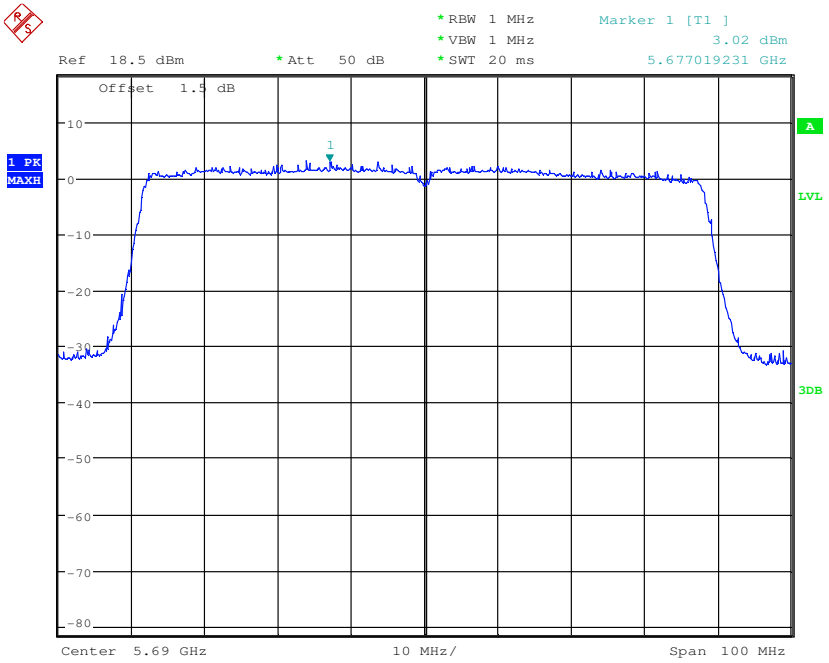
Test mode:	802.11 ac80	Frequency(MHz):	5610



Test mode:	802.11 ac80	Frequency(MHz):	5690



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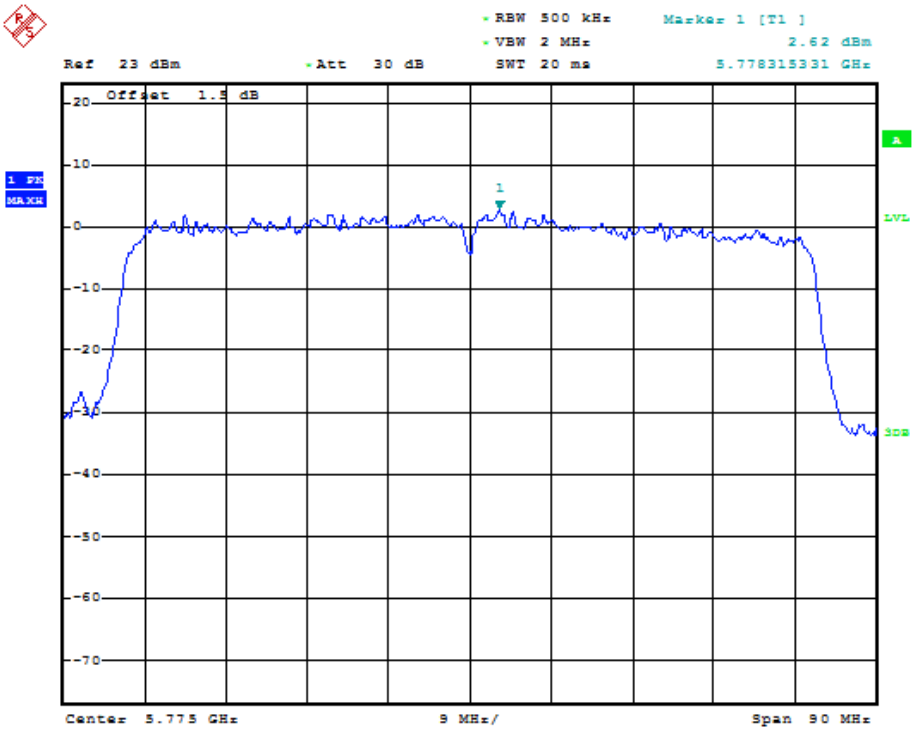
Test mode:	802.11 ac80	Frequency(MHz):	5775



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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:	

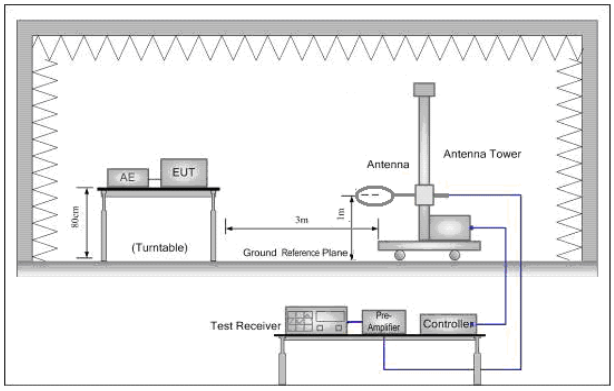

Figure 1. 30MHz to 1GHz

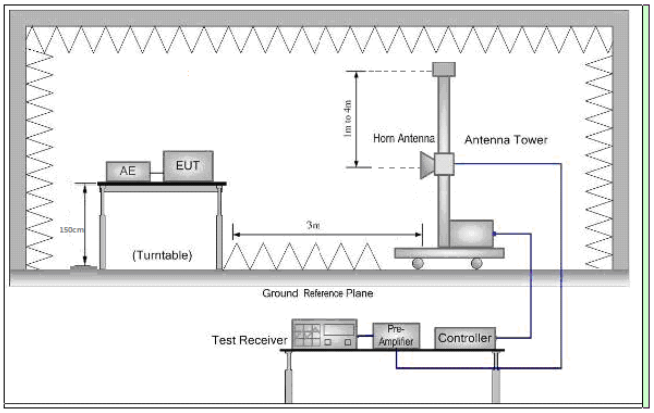

Figure 2. Above 1 GHz

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.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	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); 6.5Mbps of rate is the worst case of 802.11ac 20; 13.5Mbps of rate is the worst case of 802.11n(HT40); 13.5Mbps of rate is the worst case of 802.11ac 40; 29.2Mbps of rate is the worst case of 802.11ac 80. For below 1GHz, 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.

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Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

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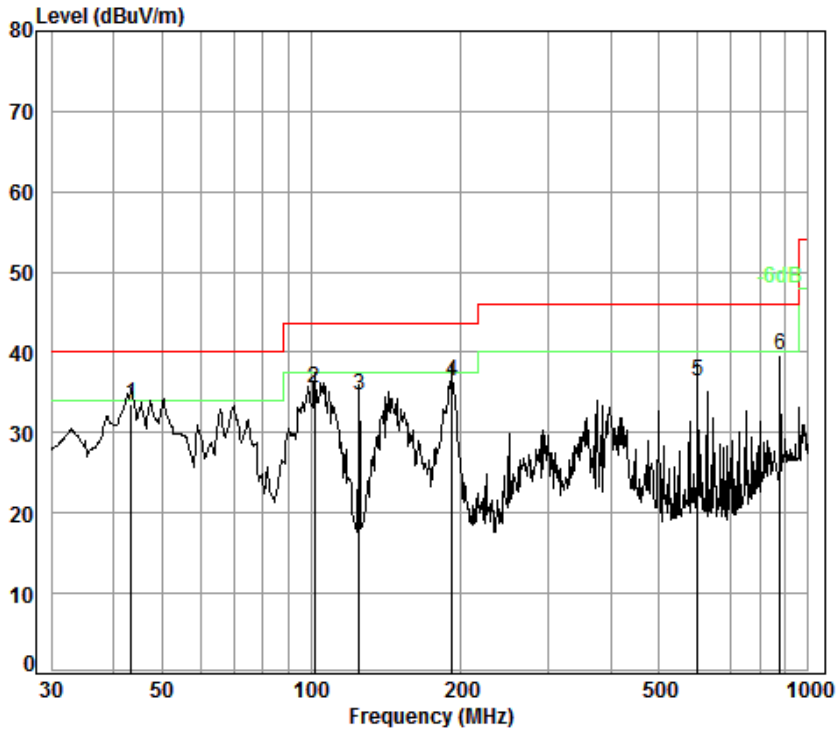
6.8.1 Radiated emission below 1GHz

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



Condition: 3m VERTICAL
Job No. : 0659CR
Test mode: Tx Mode(Wi-Fi)

	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	43.51	0.68	11.58	27.31	48.56	33.51	40.00	-6.49
2	101.64	1.21	9.03	27.19	52.46	35.51	43.50	-7.99
3	125.01	1.26	8.00	27.04	52.47	34.69	43.50	-8.81
4	191.75	1.39	10.12	26.73	51.65	36.43	43.50	-7.07
5	599.32	2.70	19.68	27.54	41.48	36.32	46.00	-9.68
6 pp	878.32	3.52	22.85	26.89	40.26	39.74	46.00	-6.26

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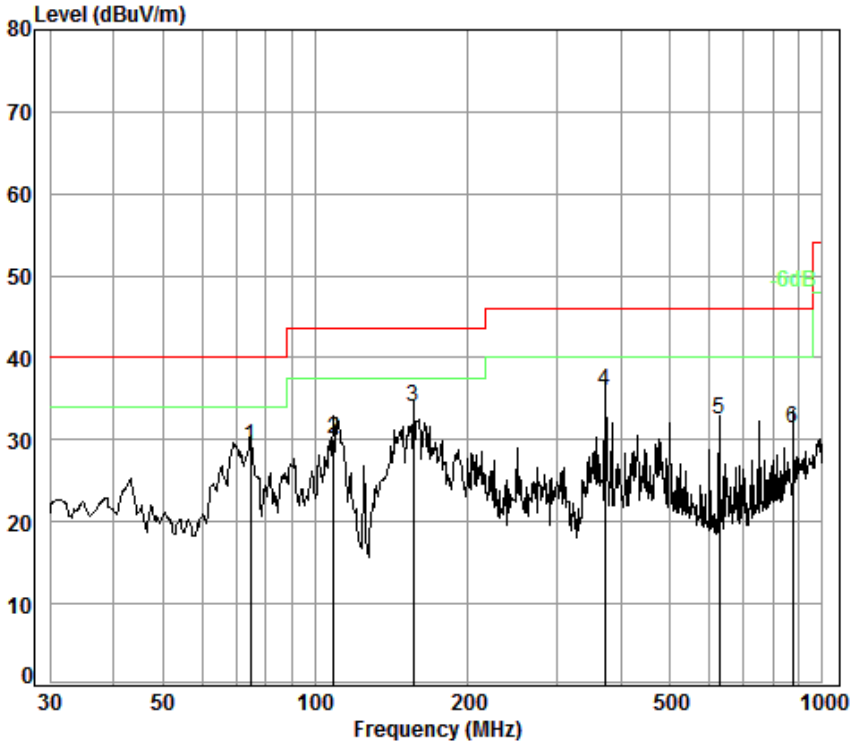
Test mode:	Transmitting mode	Horizontal



Condition: 3m HORIZONTAL
Job No. : 0659CR
Test mode: Tx Mode(Wi-Fi)

	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	74.66	0.94	7.33	27.24	48.26	29.29	40.00	-10.71
2	108.65	1.22	8.75	27.14	47.22	30.05	43.50	-13.45
3 pp	155.91	1.33	9.54	26.88	50.02	34.01	43.50	-9.49
4	372.00	2.12	15.85	26.95	45.03	36.05	46.00	-9.95
5	625.08	2.75	20.30	27.51	36.99	32.53	46.00	-13.47
6	875.25	3.51	22.80	26.89	31.99	31.41	46.00	-14.59

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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	43.41	52.90	74	-21.10	Vertical
9007.715	37.00	11.80	37.18	39.79	51.41	74	-22.59	Vertical
10360.000	37.08	12.98	35.96	38.18	52.28	74	-21.72	Vertical
12751.430	37.98	14.86	37.89	38.20	53.15	74	-20.85	Vertical
15540.000	40.94	17.07	38.92	34.37	53.46	74	-20.54	Vertical
17596.580	43.69	20.75	36.98	24.87	52.33	74	-21.67	Vertical
7678.832	36.04	10.89	37.44	42.17	51.66	74	-22.34	Horizontal
9007.715	37.00	11.80	37.18	40.26	51.88	74	-22.12	Horizontal
10360.000	37.08	12.98	35.96	36.59	50.69	74	-23.31	Horizontal
12775.540	37.99	14.93	37.91	37.11	52.12	74	-21.88	Horizontal
15540.000	40.94	17.07	38.92	34.60	53.69	74	-20.31	Horizontal
17563.380	43.63	20.64	36.98	25.43	52.72	74	-21.28	Horizontal

Test mode:	802.11a		Frequency(MHz):	5220	Remark:		Peak	
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7093.172	35.49	10.64	37.69	42.53	50.97	74	-23.03	Vertical
8990.716	37.00	11.79	37.19	39.23	50.83	74	-23.17	Vertical
10440.000	37.10	13.04	35.99	36.11	50.26	74	-23.74	Vertical
13217.380	38.32	15.61	38.46	37.65	53.12	74	-20.88	Vertical
15660.000	41.06	17.18	38.73	33.71	53.22	74	-20.78	Vertical
17864.510	44.06	21.66	36.94	24.22	53.00	74	-21.00	Vertical
7093.172	35.49	10.64	37.69	41.86	50.30	74	-23.70	Horizontal
9007.715	37.00	11.80	37.18	39.70	51.32	74	-22.68	Horizontal
10440.000	37.10	13.04	35.99	37.44	51.59	74	-22.41	Horizontal
13217.380	38.32	15.61	38.46	37.18	52.65	74	-21.35	Horizontal
15660.000	41.06	17.18	38.73	34.04	53.55	74	-20.45	Horizontal
17864.510	44.06	21.66	36.94	24.04	52.82	74	-21.18	Horizontal

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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	42.45	51.94	74	-22.06	Vertical
9007.715	37.00	11.80	37.18	38.86	50.48	74	-23.52	Vertical
10480.000	37.10	13.07	36.00	36.20	50.37	74	-23.63	Vertical
12751.430	37.98	14.86	37.89	37.71	52.66	74	-21.34	Vertical
15720.000	41.12	17.24	38.63	33.84	53.57	74	-20.43	Vertical
17864.510	44.06	21.66	36.94	24.74	53.52	74	-20.48	Vertical
7678.832	36.04	10.89	37.44	41.95	51.44	74	-22.56	Horizontal
8990.716	37.00	11.79	37.19	38.74	50.34	74	-23.66	Horizontal
10480.000	37.10	13.07	36.00	34.41	48.58	74	-25.42	Horizontal
12775.540	37.99	14.93	37.91	38.55	53.56	74	-20.44	Horizontal
15720.000	41.12	17.24	38.63	33.83	53.56	74	-20.44	Horizontal
17932.130	44.23	21.89	36.93	24.22	53.41	74	-20.59	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
7093.172	35.49	10.64	37.69	41.60	50.04	74	-23.96	Vertical
8990.716	37.00	11.79	37.19	39.02	50.62	74	-23.38	Vertical
10520.000	37.10	13.10	36.02	33.82	48.00	74	-26.00	Vertical
12775.540	37.99	14.93	37.91	36.72	51.73	74	-22.27	Vertical
15780.000	41.18	17.29	38.54	32.99	52.92	74	-21.08	Vertical
17797.150	43.90	21.44	36.95	24.25	52.64	74	-21.36	Vertical
7678.832	36.04	10.89	37.44	41.78	51.27	74	-22.73	Horizontal
9007.715	37.00	11.80	37.18	38.82	50.44	74	-23.56	Horizontal
10520.000	37.10	13.10	36.02	34.83	49.01	74	-24.99	Horizontal
12751.430	37.98	14.86	37.89	36.14	51.09	74	-22.91	Horizontal
15780.000	41.18	17.29	38.54	32.77	52.70	74	-21.30	Horizontal
17730.040	43.83	21.21	36.96	25.21	53.29	74	-20.71	Horizontal

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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
7093.172	35.49	10.64	37.69	42.11	50.55	74	-23.45	Vertical
9007.715	37.00	11.80	37.18	39.51	51.13	74	-22.87	Vertical
10600.000	37.10	13.16	36.04	34.55	48.77	74	-25.23	Vertical
13217.380	38.32	15.61	38.46	36.99	52.46	74	-21.54	Vertical
15900.000	41.25	17.41	38.35	32.91	53.22	74	-20.78	Vertical
17730.040	43.83	21.21	36.96	24.97	53.05	74	-20.95	Vertical
7678.832	36.04	10.89	37.44	42.04	51.53	74	-22.47	Horizontal
9007.715	37.00	11.80	37.18	38.57	50.19	74	-23.81	Horizontal
10600.000	37.10	13.16	36.04	35.04	49.26	74	-24.74	Horizontal
13204.910	38.30	15.60	38.44	36.56	52.02	74	-21.98	Horizontal
15900.000	41.25	17.41	38.35	31.94	52.25	74	-21.75	Horizontal
17797.150	43.90	21.44	36.95	24.91	53.30	74	-20.70	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
7120.020	35.52	10.65	37.68	41.98	50.47	74	-23.53	Vertical
9007.715	37.00	11.80	37.18	38.71	50.33	74	-23.67	Vertical
10640.000	37.12	13.19	36.06	34.44	48.69	74	-25.31	Vertical
12763.480	37.98	14.89	37.90	36.63	51.60	74	-22.40	Vertical
15960.000	41.28	17.46	38.26	32.32	52.80	74	-21.20	Vertical
17797.150	43.90	21.44	36.95	24.76	53.15	74	-20.85	Vertical
7678.832	36.04	10.89	37.44	41.48	50.97	74	-23.03	Horizontal
9007.715	37.00	11.80	37.18	38.51	50.13	74	-23.87	Horizontal
10640.000	37.12	13.19	36.06	34.63	48.88	74	-25.12	Horizontal
13217.380	38.32	15.61	38.46	36.36	51.83	74	-22.17	Horizontal
15960.000	41.28	17.46	38.26	31.70	52.18	74	-21.82	Horizontal
17730.040	43.83	21.21	36.96	25.38	53.46	74	-20.54	Horizontal

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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
7099.874	35.50	10.64	37.69	41.45	49.90	74	-24.10	Vertical
9007.715	37.00	11.80	37.18	39.41	51.03	74	-22.97	Vertical
11000.000	37.30	13.45	36.18	34.12	48.69	74	-25.31	Vertical
12775.540	37.99	14.93	37.91	36.91	51.92	74	-22.08	Vertical
14650.570	40.18	16.44	39.74	34.75	51.63	74	-22.37	Vertical
16500.000	42.00	17.59	37.62	30.97	52.94	74	-21.06	Vertical
7678.832	36.04	10.89	37.44	42.15	51.64	74	-22.36	Horizontal
9659.786	37.10	12.53	36.28	38.80	52.15	74	-21.85	Horizontal
11000.000	37.30	13.45	36.18	34.28	48.85	74	-25.15	Horizontal
12751.430	37.98	14.86	37.89	36.86	51.81	74	-22.19	Horizontal
14512.850	40.01	16.40	39.72	36.11	52.80	74	-21.20	Horizontal
16500.000	42.00	17.59	37.62	30.74	52.71	74	-21.29	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
7093.172	35.49	10.64	37.69	42.37	50.81	74	-23.19	Vertical
9007.715	37.00	11.80	37.18	39.08	50.70	74	-23.30	Vertical
11200.000	37.30	13.68	36.39	34.79	49.38	74	-24.62	Vertical
12775.540	37.99	14.93	37.91	36.77	51.78	74	-22.22	Vertical
14512.850	40.01	16.40	39.72	36.11	52.80	74	-21.20	Vertical
16800.000	42.50	18.24	37.28	29.49	52.95	74	-21.05	Vertical
7678.832	36.04	10.89	37.44	41.29	50.78	74	-23.22	Horizontal
9007.715	37.00	11.80	37.18	38.87	50.49	74	-23.51	Horizontal
11200.000	37.30	13.68	36.39	34.83	49.42	74	-24.58	Horizontal
13192.440	38.29	15.60	38.42	37.22	52.69	74	-21.31	Horizontal
15157.260	40.66	16.70	39.53	34.20	52.03	74	-21.97	Horizontal
16800.000	42.50	18.24	37.28	30.42	53.88	74	-20.12	Horizontal

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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
7133.481	35.53	10.65	37.67	40.91	49.42	74	-24.58	Vertical
9659.786	37.10	12.53	36.28	40.16	53.51	74	-20.49	Vertical
11395.880	37.40	13.90	36.58	35.70	50.42	74	-23.58	Vertical
13179.990	38.28	15.60	38.40	36.21	51.69	74	-22.31	Vertical
14929.940	40.47	16.52	39.78	35.69	52.90	74	-21.10	Vertical
17105.000	42.91	19.04	37.04	28.67	53.58	74	-20.42	Vertical
7671.583	36.04	10.88	37.44	41.83	51.31	74	-22.69	Horizontal
9659.786	37.10	12.53	36.28	39.60	52.95	74	-21.05	Horizontal
11395.880	37.40	13.90	36.58	36.05	50.77	74	-23.23	Horizontal
13217.380	38.32	15.61	38.46	36.59	52.06	74	-21.94	Horizontal
15157.260	40.66	16.70	39.53	35.68	53.51	74	-20.49	Horizontal
17105.000	42.91	19.04	37.04	28.88	53.79	74	-20.21	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	42.18	51.67	74	-22.33	Vertical
9659.786	37.10	12.53	36.28	40.38	53.73	74	-20.27	Vertical
11490.000	37.45	14.01	36.68	35.08	49.86	74	-24.14	Vertical
12775.540	37.99	14.93	37.91	37.61	52.62	74	-21.38	Vertical
15128.660	40.63	16.67	39.58	35.58	53.30	74	-20.70	Vertical
17235.000	43.05	19.50	37.03	28.28	53.80	74	-20.20	Vertical
7678.832	36.04	10.89	37.44	43.17	52.66	74	-21.34	Horizontal
9659.786	37.10	12.53	36.28	40.24	53.59	74	-20.41	Horizontal
11490.000	37.45	14.01	36.68	34.93	49.71	74	-24.29	Horizontal
13217.380	38.32	15.61	38.46	35.76	51.23	74	-22.77	Horizontal
15504.760	40.91	17.03	38.97	33.73	52.70	74	-21.30	Horizontal
17235.000	43.05	19.50	37.03	28.38	53.90	74	-20.10	Horizontal

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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
7093.172	35.49	10.64	37.69	42.42	50.86	74	-23.14	Vertical
8990.716	37.00	11.79	37.19	39.21	50.81	74	-23.19	Vertical
11570.000	37.49	14.09	36.75	35.20	50.03	74	-23.97	Vertical
13192.440	38.29	15.60	38.42	37.29	52.76	74	-21.24	Vertical
15157.260	40.66	16.70	39.53	35.20	53.03	74	-20.97	Vertical
17355.000	43.23	19.92	37.01	27.06	53.20	74	-20.80	Vertical
7106.583	35.51	10.64	37.68	42.03	50.50	74	-23.50	Horizontal
9007.715	37.00	11.80	37.18	40.72	52.34	74	-21.66	Horizontal
11570.000	37.49	14.09	36.75	34.07	48.90	74	-25.10	Horizontal
13192.440	38.29	15.60	38.42	36.48	51.95	74	-22.05	Horizontal
15157.260	40.66	16.70	39.53	34.24	52.07	74	-21.93	Horizontal
17355.000	43.23	19.92	37.01	27.24	53.38	74	-20.62	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	43.01	51.45	74	-22.55	Vertical
8990.716	37.00	11.79	37.19	38.95	50.55	74	-23.45	Vertical
11650.000	37.50	14.18	36.83	33.76	48.61	74	-25.39	Vertical
13192.440	38.29	15.60	38.42	36.37	51.84	74	-22.16	Vertical
15157.260	40.66	16.70	39.53	35.39	53.22	74	-20.78	Vertical
17475.000	43.45	20.33	36.99	26.21	53.00	74	-21.00	Vertical
7678.832	36.04	10.89	37.44	41.99	51.48	74	-22.52	Horizontal
8990.716	37.00	11.79	37.19	39.11	50.71	74	-23.29	Horizontal
11650.000	37.50	14.18	36.83	34.78	49.63	74	-24.37	Horizontal
13192.440	38.29	15.60	38.42	36.77	52.24	74	-21.76	Horizontal
15800.410	41.20	17.31	38.51	33.46	53.46	74	-20.54	Horizontal
17475.000	43.45	20.33	36.99	27.14	53.93	74	-20.07	Horizontal

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Test mode:	802.11 n20	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	43.41	52.90	74	-21.10	Vertical
9007.715	37.00	11.80	37.18	39.79	51.41	74	-22.59	Vertical
10360.000	37.08	12.98	35.96	37.18	51.28	74	-22.72	Vertical
12751.430	37.98	14.86	37.89	38.20	53.15	74	-20.85	Vertical
15540.000	40.94	17.07	38.92	34.37	53.46	74	-20.54	Vertical
17797.150	43.90	21.44	36.95	23.75	52.14	74	-21.86	Vertical
7214.789	35.59	10.68	37.63	40.98	49.62	74	-24.38	Horizontal
9007.715	37.00	11.80	37.18	40.26	51.88	74	-22.12	Horizontal
10360.000	37.08	12.98	35.96	36.59	50.69	74	-23.31	Horizontal
13179.990	38.28	15.60	38.40	36.20	51.68	74	-22.32	Horizontal
15540.000	40.94	17.07	38.92	34.60	53.69	74	-20.31	Horizontal
17864.510	44.06	21.66	36.94	24.37	53.15	74	-20.85	Horizontal

Test mode:	802.11 n20	Frequency(MHz):	5220	Remark:	Peak

Frequency (MHz)	Cable Loss (dB)	Antenna Factor (dB/m)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7678.832	36.04	10.89	37.44	41.83	51.32	74	-22.68	Vertical
8889.395	36.94	11.80	37.20	34.76	46.30	74	-27.70	Vertical
10440.000	37.10	13.04	35.99	35.11	49.26	74	-24.74	Vertical
12751.430	37.98	14.86	37.89	36.78	51.73	74	-22.27	Vertical
15660.000	41.06	17.18	38.73	33.71	53.22	74	-20.78	Vertical
17864.510	44.06	21.66	36.94	24.22	53.00	74	-21.00	Vertical
7093.172	35.49	10.64	37.69	41.86	50.30	74	-23.70	Horizontal
9007.715	37.00	11.80	37.18	39.70	51.32	74	-22.68	Horizontal
10440.000	37.10	13.04	35.99	35.44	49.59	74	-24.41	Horizontal
13217.380	38.32	15.61	38.46	37.18	52.65	74	-21.35	Horizontal
15660.000	41.06	17.18	38.73	34.04	53.55	74	-20.45	Horizontal
17864.510	44.06	21.66	36.94	24.04	52.82	74	-21.18	Horizontal

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Test mode:	802.11 n20		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	42.76	51.20	74	-22.80	Vertical
9007.715	37.00	11.80	37.18	38.86	50.48	74	-23.52	Vertical
10480.000	37.10	13.07	36.00	34.20	48.37	74	-25.63	Vertical
12751.430	37.98	14.86	37.89	37.71	52.66	74	-21.34	Vertical
15720.000	41.12	17.24	38.63	33.84	53.57	74	-20.43	Vertical
17864.510	44.06	21.66	36.94	23.74	52.52	74	-21.48	Vertical
7678.832	36.04	10.89	37.44	41.95	51.44	74	-22.56	Horizontal
8990.716	37.00	11.79	37.19	38.74	50.34	74	-23.66	Horizontal
10480.000	37.10	13.07	36.00	34.41	48.58	74	-25.42	Horizontal
13217.380	38.32	15.61	38.46	36.45	51.92	74	-22.08	Horizontal
15720.000	41.12	17.24	38.63	33.83	53.56	74	-20.44	Horizontal
17932.130	44.23	21.89	36.93	23.22	52.41	74	-21.59	Horizontal

Test mode:	802.11 n20		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
7664.340	36.03	10.88	37.44	42.65	52.12	74	-21.88	Vertical
8990.716	37.00	11.79	37.19	39.40	51.00	74	-23.00	Vertical
10520.000	37.10	13.10	36.02	34.37	48.55	74	-25.45	Vertical
13217.380	38.32	15.61	38.46	36.77	52.24	74	-21.76	Vertical
15780.000	41.18	17.29	38.54	33.09	53.02	74	-20.98	Vertical
17730.040	43.83	21.21	36.96	25.80	53.88	74	-20.12	Vertical
7093.172	35.49	10.64	37.69	42.11	50.55	74	-23.45	Horizontal
9007.715	37.00	11.80	37.18	39.03	50.65	74	-23.35	Horizontal
10520.000	37.10	13.10	36.02	35.62	49.80	74	-24.20	Horizontal
12751.430	37.98	14.86	37.89	37.42	52.37	74	-21.63	Horizontal
15780.000	41.18	17.29	38.54	32.40	52.33	74	-21.67	Horizontal
17763.560	43.86	21.32	36.95	25.55	53.78	74	-20.22	Horizontal

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Test mode:	802.11 n20		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	42.54	50.98	74	-23.02	Vertical
9007.715	37.00	11.80	37.18	39.45	51.07	74	-22.93	Vertical
10600.000	37.10	13.16	36.04	33.42	47.64	74	-26.36	Vertical
12751.430	37.98	14.86	37.89	37.20	52.15	74	-21.85	Vertical
15900.000	41.25	17.41	38.35	31.85	52.16	74	-21.84	Vertical
17830.800	43.98	21.55	36.94	24.90	53.49	74	-20.51	Vertical
7664.340	36.03	10.88	37.44	42.78	52.25	74	-21.75	Horizontal
9007.715	37.00	11.80	37.18	38.88	50.50	74	-23.50	Horizontal
10600.000	37.10	13.16	36.04	33.73	47.95	74	-26.05	Horizontal
13217.380	38.32	15.61	38.46	35.81	51.28	74	-22.72	Horizontal
15900.000	41.25	17.41	38.35	31.73	52.04	74	-21.96	Horizontal
17797.150	43.90	21.44	36.95	24.53	52.92	74	-21.08	Horizontal

Test mode:	802.11 n20		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
7133.481	35.53	10.65	37.67	40.62	49.13	74	-24.87	Vertical
9007.715	37.00	11.80	37.18	39.57	51.19	74	-22.81	Vertical
10640.000	37.12	13.19	36.06	34.20	48.45	74	-25.55	Vertical
13192.440	38.29	15.60	38.42	35.63	51.10	74	-22.90	Vertical
15960.000	41.28	17.46	38.26	32.03	52.51	74	-21.49	Vertical
17864.510	44.06	21.66	36.94	24.97	53.75	74	-20.25	Vertical
7664.340	36.03	10.88	37.44	41.67	51.14	74	-22.86	Horizontal
9007.715	37.00	11.80	37.18	38.87	50.49	74	-23.51	Horizontal
10640.000	37.12	13.19	36.06	35.60	49.85	74	-24.15	Horizontal
13093.140	38.19	15.57	38.27	37.26	52.75	74	-21.25	Horizontal
15960.000	41.28	17.46	38.26	32.03	52.51	74	-21.49	Horizontal
17830.800	43.98	21.55	36.94	24.35	52.94	74	-21.06	Horizontal

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Test mode:	802.11 n20		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
7106.583	35.51	10.64	37.68	42.47	50.94	74	-23.06	Vertical
9007.715	37.00	11.80	37.18	39.59	51.21	74	-22.79	Vertical
11000.000	37.30	13.45	36.18	33.23	47.80	74	-26.20	Vertical
12751.430	37.98	14.86	37.89	37.65	52.60	74	-21.40	Vertical
14845.570	40.42	16.50	39.77	35.73	52.88	74	-21.12	Vertical
16500.000	42.00	17.59	37.62	31.41	53.38	74	-20.62	Vertical
7678.832	36.04	10.89	37.44	41.74	51.23	74	-22.77	Horizontal
9659.786	37.10	12.53	36.28	39.56	52.91	74	-21.09	Horizontal
11000.000	37.30	13.45	36.18	33.68	48.25	74	-25.75	Horizontal
12536.480	37.84	14.25	37.69	37.51	51.91	74	-22.09	Horizontal
14761.680	40.34	16.47	39.76	35.30	52.35	74	-21.65	Horizontal
16500.000	42.00	17.59	37.62	31.37	53.34	74	-20.66	Horizontal

Test mode:	802.11 n20		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	41.64	51.13	74	-22.87	Vertical
9007.715	37.00	11.80	37.18	39.29	50.91	74	-23.09	Vertical
11200.000	37.30	13.68	36.39	34.77	49.36	74	-24.64	Vertical
12751.430	37.98	14.86	37.89	37.95	52.90	74	-21.10	Vertical
14512.850	40.01	16.40	39.72	36.11	52.80	74	-21.20	Vertical
16800.000	42.50	18.24	37.28	29.56	53.02	74	-20.98	Vertical
7187.584	35.59	10.67	37.65	38.93	47.54	74	-26.46	Horizontal
8990.716	37.00	11.79	37.19	39.48	51.08	74	-22.92	Horizontal
11200.000	37.30	13.68	36.39	34.65	49.24	74	-24.76	Horizontal
13192.440	38.29	15.60	38.42	36.26	51.73	74	-22.27	Horizontal
15128.660	40.63	16.67	39.58	35.45	53.17	74	-20.83	Horizontal
16800.000	42.50	18.24	37.28	29.95	53.41	74	-20.59	Horizontal

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Test mode:	802.11 n20		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
7228.430	35.59	10.69	37.63	40.08	48.73	74	-25.27	Vertical
9007.715	37.00	11.80	37.18	38.78	50.40	74	-23.60	Vertical
11400.000	37.40	13.91	36.59	35.85	50.57	74	-23.43	Vertical
13093.140	38.19	15.57	38.27	35.93	51.42	74	-22.58	Vertical
15157.260	40.66	16.70	39.53	34.21	52.04	74	-21.96	Vertical
17100.000	42.90	19.02	37.05	28.23	53.10	74	-20.90	Vertical
7678.832	36.04	10.89	37.44	42.90	52.39	74	-21.61	Horizontal
8990.716	37.00	11.79	37.19	39.76	51.36	74	-22.64	Horizontal
11400.000	37.40	13.91	36.59	34.88	49.60	74	-24.40	Horizontal
13217.380	38.32	15.61	38.46	36.95	52.42	74	-21.58	Horizontal
15071.610	40.57	16.61	39.67	35.67	53.18	74	-20.82	Horizontal
17100.000	42.90	19.02	37.05	28.21	53.08	74	-20.92	Horizontal

Test mode:	802.11 n20		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
8328.564	36.40	11.58	37.27	42.56	53.27	74	-20.73	Vertical
9659.786	37.10	12.53	36.28	40.38	53.73	74	-20.27	Vertical
11490.000	37.45	14.01	36.68	35.08	49.86	74	-24.14	Vertical
13778.220	39.06	16.00	39.32	37.12	52.86	74	-21.14	Vertical
15800.410	41.20	17.31	38.51	33.09	53.09	74	-20.91	Vertical
17235.000	43.05	19.50	37.03	28.28	53.80	74	-20.20	Vertical
7678.832	36.04	10.89	37.44	43.17	52.66	74	-21.34	Horizontal
9659.786	37.10	12.53	36.28	40.24	53.59	74	-20.41	Horizontal
11490.000	37.45	14.01	36.68	33.93	48.71	74	-25.29	Horizontal
13804.270	39.10	16.03	39.36	37.06	52.83	74	-21.17	Horizontal
15800.410	41.20	17.31	38.51	32.39	52.39	74	-21.61	Horizontal
17235.000	43.05	19.50	37.03	28.38	53.90	74	-20.10	Horizontal

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Test mode:	802.11 n20		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
7093.172	35.49	10.64	37.69	42.42	50.86	74	-23.14	Vertical
8990.716	37.00	11.79	37.19	39.21	50.81	74	-23.19	Vertical
11570.000	37.49	14.09	36.75	34.20	49.03	74	-24.97	Vertical
13192.440	38.29	15.60	38.42	36.29	51.76	74	-22.24	Vertical
15157.260	40.66	16.70	39.53	35.20	53.03	74	-20.97	Vertical
17355.000	43.23	19.92	37.01	27.06	53.20	74	-20.80	Vertical
7174.020	35.57	10.67	37.65	39.39	47.98	74	-26.02	Horizontal
9007.715	37.00	11.80	37.18	40.72	52.34	74	-21.66	Horizontal
11570.000	37.49	14.09	36.75	34.07	48.90	74	-25.10	Horizontal
13192.440	38.29	15.60	38.42	37.48	52.95	74	-21.05	Horizontal
15157.260	40.66	16.70	39.53	35.24	53.07	74	-20.93	Horizontal
17355.000	43.23	19.92	37.01	27.24	53.38	74	-20.62	Horizontal

Test mode:	802.11 n20		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	42.02	51.51	74	-22.49	Vertical
9659.786	37.10	12.53	36.28	40.32	53.67	74	-20.33	Vertical
11650.000	37.50	14.18	36.83	33.76	48.61	74	-25.39	Vertical
13192.440	38.29	15.60	38.42	37.37	52.84	74	-21.16	Vertical
15157.260	40.66	16.70	39.53	35.39	53.22	74	-20.78	Vertical
17475.000	43.45	20.33	36.99	26.21	53.00	74	-21.00	Vertical
7678.832	36.04	10.89	37.44	41.99	51.48	74	-22.52	Horizontal
8990.716	37.00	11.79	37.19	39.11	50.71	74	-23.29	Horizontal
11650.000	37.50	14.18	36.83	32.78	47.63	74	-26.37	Horizontal
13192.440	38.29	15.60	38.42	36.77	52.24	74	-21.76	Horizontal
15128.660	40.63	16.67	39.58	34.38	52.10	74	-21.90	Horizontal
17475.000	43.45	20.33	36.99	27.14	53.93	74	-20.07	Horizontal

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Test mode:	802.11 ac20		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
7153.722	35.55	10.66	37.66	40.12	48.67	74	-25.33	Vertical
8990.716	37.00	11.79	37.19	40.85	52.45	74	-21.55	Vertical
10360.000	37.08	12.98	35.96	36.40	50.50	74	-23.50	Vertical
12775.540	37.99	14.93	37.91	37.06	52.07	74	-21.93	Vertical
15540.000	40.94	17.07	38.92	34.53	53.62	74	-20.38	Vertical
17797.150	43.90	21.44	36.95	25.20	53.59	74	-20.41	Vertical
7228.430	35.59	10.69	37.63	39.25	47.90	74	-26.10	Horizontal
9007.715	37.00	11.80	37.18	39.27	50.89	74	-23.11	Horizontal
10360.000	37.08	12.98	35.96	36.29	50.39	74	-23.61	Horizontal
12751.430	37.98	14.86	37.89	36.74	51.69	74	-22.31	Horizontal
15540.000	40.94	17.07	38.92	34.10	53.19	74	-20.81	Horizontal
17746.790	43.85	21.26	36.95	24.35	52.51	74	-21.49	Horizontal

Test mode:	802.11 ac20		Frequency(MHz):	5220	Remark:		Peak
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
7086.476	35.49	10.63	37.69	42.19	50.62	74	-23.38	Vertical
8990.716	37.00	11.79	37.19	39.67	51.27	74	-22.73	Vertical
10440.000	37.10	13.04	35.99	34.19	48.34	74	-25.66	Vertical
12775.540	37.99	14.93	37.91	37.73	52.74	74	-21.26	Vertical
15660.000	41.06	17.18	38.73	33.42	52.93	74	-21.07	Vertical
17864.510	44.06	21.66	36.94	24.96	53.74	74	-20.26	Vertical
7228.430	35.59	10.69	37.63	38.75	47.40	74	-26.60	Horizontal
9007.715	37.00	11.80	37.18	39.25	50.87	74	-23.13	Horizontal
10440.000	37.10	13.04	35.99	34.06	48.21	74	-25.79	Horizontal
13192.440	38.29	15.60	38.42	36.27	51.74	74	-22.26	Horizontal
15660.000	41.06	17.18	38.73	34.07	53.58	74	-20.42	Horizontal
17898.290	44.15	21.78	36.93	23.09	52.09	74	-21.91	Horizontal

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Test mode:	802.11 ac20		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	42.80	51.24	74	-22.76	Vertical
8990.716	37.00	11.79	37.19	39.50	51.10	74	-22.90	Vertical
10480.000	37.10	13.07	36.00	35.65	49.82	74	-24.18	Vertical
12775.540	37.99	14.93	37.91	37.78	52.79	74	-21.21	Vertical
15720.000	41.12	17.24	38.63	34.18	53.91	74	-20.09	Vertical
17830.800	43.98	21.55	36.94	24.23	52.82	74	-21.18	Vertical
7214.789	35.59	10.68	37.63	39.67	48.31	74	-25.69	Horizontal
8990.716	37.00	11.79	37.19	39.68	51.28	74	-22.72	Horizontal
10480.000	37.10	13.07	36.00	35.27	49.44	74	-24.56	Horizontal
13242.370	38.34	15.61	38.50	36.36	51.81	74	-22.19	Horizontal
15720.000	41.12	17.24	38.63	33.54	53.27	74	-20.73	Horizontal
17797.150	43.90	21.44	36.95	24.57	52.96	74	-21.04	Horizontal

Test mode:	802.11 ac20		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	41.85	51.34	74	-22.66	Vertical
9007.715	37.00	11.80	37.18	39.68	51.30	74	-22.70	Vertical
10520.000	37.10	13.10	36.02	33.86	48.04	74	-25.96	Vertical
12751.430	37.98	14.86	37.89	37.83	52.78	74	-21.22	Vertical
15780.000	41.18	17.29	38.54	32.85	52.78	74	-21.22	Vertical
17763.560	43.86	21.32	36.95	25.41	53.64	74	-20.36	Vertical
7093.172	35.49	10.64	37.69	41.31	49.75	74	-24.25	Horizontal
9007.715	37.00	11.80	37.18	39.75	51.37	74	-22.63	Horizontal
10520.000	37.10	13.10	36.02	33.62	47.80	74	-26.20	Horizontal
13192.440	38.29	15.60	38.42	36.65	52.12	74	-21.88	Horizontal
15780.000	41.18	17.29	38.54	33.51	53.44	74	-20.56	Horizontal
17763.560	43.86	21.32	36.95	24.86	53.09	74	-20.91	Horizontal

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Test mode:	802.11 ac20		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	41.69	50.13	74	-23.87	Vertical
8990.716	37.00	11.79	37.19	39.24	50.84	74	-23.16	Vertical
10596.550	37.10	13.16	36.04	34.37	48.59	74	-25.41	Vertical
12751.430	37.98	14.86	37.89	37.14	52.09	74	-21.91	Vertical
15905.220	41.25	17.41	38.35	32.53	52.84	74	-21.16	Vertical
17830.800	43.98	21.55	36.94	24.41	53.00	74	-21.00	Vertical
7678.832	36.04	10.89	37.44	41.57	51.06	74	-22.94	Horizontal
8990.716	37.00	11.79	37.19	39.50	51.10	74	-22.90	Horizontal
10600.000	37.10	13.16	36.04	33.23	47.45	74	-26.55	Horizontal
13192.440	38.29	15.60	38.42	36.52	51.99	74	-22.01	Horizontal
15900.000	41.25	17.41	38.35	32.62	52.93	74	-21.07	Horizontal
17830.800	43.98	21.55	36.94	24.24	52.83	74	-21.17	Horizontal

Test mode:	802.11 ac20		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
7079.786	35.48	10.63	37.69	41.38	49.80	74	-24.20	Vertical
8990.716	37.00	11.79	37.19	38.92	50.52	74	-23.48	Vertical
10640.000	37.12	13.19	36.06	34.51	48.76	74	-25.24	Vertical
12751.430	37.98	14.86	37.89	37.83	52.78	74	-21.22	Vertical
15960.000	41.28	17.46	38.26	33.08	53.56	74	-20.44	Vertical
17830.800	43.98	21.55	36.94	24.46	53.05	74	-20.95	Vertical
7174.020	35.57	10.67	37.65	40.10	48.69	74	-25.31	Horizontal
9007.715	37.00	11.80	37.18	38.40	50.02	74	-23.98	Horizontal
10640.000	37.12	13.19	36.06	33.79	48.04	74	-25.96	Horizontal
13093.140	38.19	15.57	38.27	36.22	51.71	74	-22.29	Horizontal
15960.000	41.28	17.46	38.26	32.26	52.74	74	-21.26	Horizontal
17830.800	43.98	21.55	36.94	24.98	53.57	74	-20.43	Horizontal

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Test mode:	802.11 ac20		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
7228.430	35.59	10.69	37.63	39.06	47.71	74	-26.29	Vertical
9659.786	37.10	12.53	36.28	39.34	52.69	74	-21.31	Vertical
11004.530	37.30	13.46	36.18	33.40	47.98	74	-26.02	Vertical
13093.140	38.19	15.57	38.27	36.39	51.88	74	-22.12	Vertical
14567.780	40.07	16.42	39.73	35.67	52.43	74	-21.57	Vertical
16502.000	42.00	17.59	37.62	31.63	53.60	74	-20.40	Vertical
7678.832	36.04	10.89	37.44	42.39	51.88	74	-22.12	Horizontal
9659.786	37.10	12.53	36.28	40.13	53.48	74	-20.52	Horizontal
11000.000	37.30	13.45	36.18	34.07	48.64	74	-25.36	Horizontal
12751.430	37.98	14.86	37.89	37.92	52.87	74	-21.13	Horizontal
14554.030	40.05	16.41	39.73	35.35	52.08	74	-21.92	Horizontal
16500.000	42.00	17.59	37.62	30.61	52.58	74	-21.42	Horizontal

Test mode:	802.11 ac20		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
7664.340	36.03	10.88	37.44	41.99	51.46	74	-22.54	Vertical
9007.715	37.00	11.80	37.18	39.59	51.21	74	-22.79	Vertical
11200.000	37.30	13.68	36.39	34.56	49.15	74	-24.85	Vertical
13093.140	38.19	15.57	38.27	36.25	51.74	74	-22.26	Vertical
14929.940	40.47	16.52	39.78	35.12	52.33	74	-21.67	Vertical
16800.000	42.50	18.24	37.28	30.32	53.78	74	-20.22	Vertical
7106.583	35.51	10.64	37.68	41.57	50.04	74	-23.96	Horizontal
8990.716	37.00	11.79	37.19	39.22	50.82	74	-23.18	Horizontal
11200.000	37.30	13.68	36.39	34.58	49.17	74	-24.83	Horizontal
12751.430	37.98	14.86	37.89	37.56	52.51	74	-21.49	Horizontal
14485.460	39.99	16.39	39.72	35.95	52.61	74	-21.39	Horizontal
16800.000	42.50	18.24	37.28	30.30	53.76	74	-20.24	Horizontal

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Test mode:	802.11 ac20		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
7133.481	35.53	10.65	37.67	40.34	48.85	74	-25.15	Vertical
9007.715	37.00	11.80	37.18	39.09	50.71	74	-23.29	Vertical
11400.000	37.40	13.91	36.59	35.34	50.06	74	-23.94	Vertical
13192.440	38.29	15.60	38.42	35.78	51.25	74	-22.75	Vertical
14817.560	40.41	16.49	39.77	36.23	53.36	74	-20.64	Vertical
17100.000	42.90	19.02	37.05	28.66	53.53	74	-20.47	Vertical
7678.832	36.04	10.89	37.44	41.50	50.99	74	-23.01	Horizontal
9007.715	37.00	11.80	37.18	39.87	51.49	74	-22.51	Horizontal
11400.000	37.40	13.91	36.59	34.88	49.60	74	-24.40	Horizontal
13192.440	38.29	15.60	38.42	36.98	52.45	74	-21.55	Horizontal
14845.570	40.42	16.50	39.77	35.84	52.99	74	-21.01	Horizontal
17100.000	42.90	19.02	37.05	28.61	53.48	74	-20.52	Horizontal

Test mode:	802.11 ac20		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
7664.340	36.03	10.88	37.44	42.29	51.76	74	-22.24	Vertical
9659.786	37.10	12.53	36.28	39.74	53.09	74	-20.91	Vertical
11490.000	37.45	14.01	36.68	34.47	49.25	74	-24.75	Vertical
13105.510	38.21	15.58	38.29	37.22	52.72	74	-21.28	Vertical
14761.680	40.34	16.47	39.76	35.50	52.55	74	-21.45	Vertical
17235.000	43.05	19.50	37.03	28.37	53.89	74	-20.11	Vertical
7664.340	36.03	10.88	37.44	42.93	52.40	74	-21.60	Horizontal
9899.929	37.20	12.66	35.96	39.17	53.07	74	-20.93	Horizontal
11490.000	37.45	14.01	36.68	35.62	50.40	74	-23.60	Horizontal
13192.440	38.29	15.60	38.42	35.98	51.45	74	-22.55	Horizontal
15157.260	40.66	16.70	39.53	34.58	52.41	74	-21.59	Horizontal
17235.000	43.05	19.50	37.03	28.07	53.59	74	-20.41	Horizontal

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Test mode:	802.11 ac20		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
7751.699	36.08	10.93	37.41	38.14	47.74	74	-26.26	Vertical
9659.786	37.10	12.53	36.28	40.37	53.72	74	-20.28	Vertical
11570.000	37.49	14.09	36.75	34.67	49.50	74	-24.50	Vertical
13192.440	38.29	15.60	38.42	37.40	52.87	74	-21.13	Vertical
15243.400	40.72	16.78	39.39	35.49	53.60	74	-20.40	Vertical
17355.000	43.23	19.92	37.01	27.78	53.92	74	-20.08	Vertical
7678.832	36.04	10.89	37.44	41.96	51.45	74	-22.55	Horizontal
9659.786	37.10	12.53	36.28	40.35	53.70	74	-20.30	Horizontal
11570.000	37.49	14.09	36.75	34.47	49.30	74	-24.70	Horizontal
13167.540	38.27	15.59	38.38	35.84	51.32	74	-22.68	Horizontal
15128.660	40.63	16.67	39.58	34.38	52.10	74	-21.90	Horizontal
17355.000	43.23	19.92	37.01	27.37	53.51	74	-20.49	Horizontal

Test mode:	802.11 ac20		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
7228.430	35.59	10.69	37.63	39.25	47.90	74	-26.10	Vertical
9659.786	37.10	12.53	36.28	40.39	53.74	74	-20.26	Vertical
11650.000	37.50	14.18	36.83	34.69	49.54	74	-24.46	Vertical
13217.380	38.32	15.61	38.46	37.09	52.56	74	-21.44	Vertical
15504.760	40.91	17.03	38.97	33.57	52.54	74	-21.46	Vertical
17475.000	43.45	20.33	36.99	26.34	53.13	74	-20.87	Vertical
7678.832	36.04	10.89	37.44	42.58	52.07	74	-21.93	Horizontal
10050.670	37.22	12.75	35.85	39.54	53.66	74	-20.34	Horizontal
11650.000	37.50	14.18	36.83	35.61	50.46	74	-23.54	Horizontal
13192.440	38.29	15.60	38.42	36.78	52.25	74	-21.75	Horizontal
15128.660	40.63	16.67	39.58	33.31	51.03	74	-22.97	Horizontal
17475.000	43.45	20.33	36.99	26.31	53.10	74	-20.90	Horizontal

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Test mode:	802.11 n40		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	43.03	52.52	74	-21.48	Vertical
9007.715	37.00	11.80	37.18	39.66	51.28	74	-22.72	Vertical
10380.000	37.09	13.00	35.97	36.32	50.44	74	-23.56	Vertical
12775.540	37.99	14.93	37.91	38.55	53.56	74	-20.44	Vertical
15570.000	40.97	17.09	38.87	33.84	53.03	74	-20.97	Vertical
17797.150	43.90	21.44	36.95	25.50	53.89	74	-20.11	Vertical
7093.172	35.49	10.64	37.69	41.92	50.36	74	-23.64	Horizontal
9007.715	37.00	11.80	37.18	39.58	51.20	74	-22.80	Horizontal
10380.000	37.09	13.00	35.97	36.25	50.37	74	-23.63	Horizontal
12751.430	37.98	14.86	37.89	38.22	53.17	74	-20.83	Horizontal
15570.000	40.97	17.09	38.87	33.77	52.96	74	-21.04	Horizontal
17932.130	44.23	21.89	36.93	24.14	53.33	74	-20.67	Horizontal

Test mode:	802.11 n40		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
7187.584	35.59	10.67	37.65	38.93	47.54	74	-26.46	Vertical
9007.715	37.00	11.80	37.18	39.76	51.38	74	-22.62	Vertical
10460.000	37.10	13.06	36.00	35.31	49.47	74	-24.53	Vertical
13117.890	38.22	15.58	38.31	36.12	51.61	74	-22.39	Vertical
15690.000	41.09	17.21	38.68	33.70	53.32	74	-20.68	Vertical
17730.040	43.83	21.21	36.96	25.45	53.53	74	-20.47	Vertical
7093.172	35.49	10.64	37.69	42.72	51.16	74	-22.84	Horizontal
8344.312	36.40	11.61	37.27	41.68	52.42	74	-21.58	Horizontal
10460.000	37.10	13.06	36.00	34.33	48.49	74	-25.51	Horizontal
13192.440	38.29	15.60	38.42	36.63	52.10	74	-21.90	Horizontal
15690.000	41.09	17.21	38.68	33.55	53.17	74	-20.83	Horizontal
17864.510	44.06	21.66	36.94	23.85	52.63	74	-21.37	Horizontal

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Test mode:	8802.11 n40		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
7093.172	35.49	10.64	37.69	42.49	50.93	74	-23.07	Vertical
8990.716	37.00	11.79	37.19	38.75	50.35	74	-23.65	Vertical
10540.000	37.10	13.12	36.02	33.64	47.84	74	-26.16	Vertical
13167.540	38.27	15.59	38.38	36.59	52.07	74	-21.93	Vertical
15810.000	41.21	17.32	38.49	32.52	52.56	74	-21.44	Vertical
17830.800	43.98	21.55	36.94	25.30	53.89	74	-20.11	Vertical
7678.832	36.04	10.89	37.44	42.57	52.06	74	-21.94	Horizontal
9007.715	37.00	11.80	37.18	38.96	50.58	74	-23.42	Horizontal
10540.000	37.10	13.12	36.02	34.30	48.50	74	-25.50	Horizontal
13217.380	38.32	15.61	38.46	36.52	51.99	74	-22.01	Horizontal
15810.000	41.21	17.32	38.49	32.01	52.05	74	-21.95	Horizontal
17730.040	43.83	21.21	36.96	24.91	52.99	74	-21.01	Horizontal

Test mode:	802.11 n40		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
7678.832	36.04	10.89	37.44	42.89	52.38	74	-21.62	Vertical
9007.715	37.00	11.80	37.18	39.16	50.78	74	-23.22	Vertical
10620.000	37.11	13.18	36.05	34.20	48.44	74	-25.56	Vertical
13242.370	38.34	15.61	38.50	37.18	52.63	74	-21.37	Vertical
15930.000	41.27	17.43	38.31	32.92	53.31	74	-20.69	Vertical
17797.150	43.90	21.44	36.95	24.75	53.14	74	-20.86	Vertical
7079.786	35.48	10.63	37.69	42.80	51.22	74	-22.78	Horizontal
8990.716	37.00	11.79	37.19	38.94	50.54	74	-23.46	Horizontal
10620.000	37.11	13.18	36.05	34.74	48.98	74	-25.02	Horizontal
13117.890	38.22	15.58	38.31	36.09	51.58	74	-22.42	Horizontal
15930.000	41.27	17.43	38.31	32.74	53.13	74	-20.87	Horizontal
17797.150	43.90	21.44	36.95	25.20	53.59	74	-20.41	Horizontal

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Test mode:	802.11 n40		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
7133.481	35.53	10.65	37.67	40.87	49.38	74	-24.62	Vertical
8990.716	37.00	11.79	37.19	38.58	50.18	74	-23.82	Vertical
11020.000	37.30	13.47	36.20	35.26	49.83	74	-24.17	Vertical
12751.430	37.98	14.86	37.89	36.84	51.79	74	-22.21	Vertical
14929.940	40.47	16.52	39.78	35.20	52.41	74	-21.59	Vertical
16530.000	42.06	17.66	37.59	31.07	53.20	74	-20.80	Vertical
7678.832	36.04	10.89	37.44	41.82	51.31	74	-22.69	Horizontal
8990.716	37.00	11.79	37.19	38.29	49.89	74	-24.11	Horizontal
11020.000	37.30	13.47	36.20	36.02	50.59	74	-23.41	Horizontal
12751.430	37.98	14.86	37.89	36.15	51.10	74	-22.90	Horizontal
14929.940	40.47	16.52	39.78	35.60	52.81	74	-21.19	Horizontal
16530.000	42.06	17.66	37.59	30.72	52.85	74	-21.15	Horizontal

Test mode:	802.11 n40		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
7678.832	36.04	10.89	37.44	42.65	52.14	74	-21.86	Vertical
8990.716	37.00	11.79	37.19	38.95	50.55	74	-23.45	Vertical
11180.000	37.30	13.66	36.36	34.36	48.96	74	-25.04	Vertical
13167.540	38.27	15.59	38.38	37.18	52.66	74	-21.34	Vertical
15100.110	40.60	16.64	39.63	35.75	53.36	74	-20.64	Vertical
16770.000	42.46	18.18	37.32	29.61	52.93	74	-21.07	Vertical
7093.172	35.49	10.64	37.69	41.87	50.31	74	-23.69	Horizontal
9007.715	37.00	11.80	37.18	39.20	50.82	74	-23.18	Horizontal
11180.000	37.30	13.66	36.36	35.22	49.82	74	-24.18	Horizontal
13117.890	38.22	15.58	38.31	35.87	51.36	74	-22.64	Horizontal
15157.260	40.66	16.70	39.53	34.78	52.61	74	-21.39	Horizontal
16770.000	42.46	18.18	37.32	29.25	52.57	74	-21.43	Horizontal

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Test mode:	802.11 n40		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
7099.874	35.50	10.64	37.69	41.17	49.62	74	-24.38	Vertical
9007.715	37.00	11.80	37.18	38.44	50.06	74	-23.94	Vertical
11340.000	37.37	13.84	36.53	35.49	50.17	74	-23.83	Vertical
13217.380	38.32	15.61	38.46	36.13	51.60	74	-22.40	Vertical
15214.630	40.71	16.75	39.44	34.16	52.18	74	-21.82	Vertical
17010.000	42.81	18.71	37.06	28.83	53.29	74	-20.71	Vertical
7678.832	36.04	10.89	37.44	41.83	51.32	74	-22.68	Horizontal
8990.716	37.00	11.79	37.19	39.99	51.59	74	-22.41	Horizontal
11340.000	37.37	13.84	36.53	35.33	50.01	74	-23.99	Horizontal
13192.440	38.29	15.60	38.42	37.20	52.67	74	-21.33	Horizontal
15243.400	40.72	16.78	39.39	35.14	53.25	74	-20.75	Horizontal
17010.000	42.81	18.71	37.06	29.27	53.73	74	-20.27	Horizontal

Test mode:	802.11 n40		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
7678.832	36.04	10.89	37.44	42.64	52.13	74	-21.87	Vertical
9659.786	37.10	12.53	36.28	40.23	53.58	74	-20.42	Vertical
11510.000	37.46	14.03	36.70	34.49	49.28	74	-24.72	Vertical
13267.410	38.37	15.62	38.54	35.80	51.25	74	-22.75	Vertical
15417.140	40.82	16.95	39.11	33.63	52.29	74	-21.71	Vertical
17265.000	43.10	19.60	37.02	27.53	53.21	74	-20.79	Vertical
7106.583	35.51	10.64	37.68	41.67	50.14	74	-23.86	Horizontal
8990.716	37.00	11.79	37.19	39.04	50.64	74	-23.36	Horizontal
11510.000	37.46	14.03	36.70	33.68	48.47	74	-25.53	Horizontal
12751.430	37.98	14.86	37.89	37.92	52.87	74	-21.13	Horizontal
14929.940	40.47	16.52	39.78	35.22	52.43	74	-21.57	Horizontal
17265.000	43.10	19.60	37.02	27.49	53.17	74	-20.83	Horizontal

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Test mode:	802.11 n40		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
7093.172	35.49	10.64	37.69	42.58	51.02	74	-22.98	Vertical
9007.715	37.00	11.80	37.18	39.10	50.72	74	-23.28	Vertical
11590.000	37.50	14.12	36.77	33.16	48.01	74	-25.99	Vertical
13192.440	38.29	15.60	38.42	37.15	52.62	74	-21.38	Vertical
15214.630	40.71	16.75	39.44	35.15	53.17	74	-20.83	Vertical
17385.000	43.28	20.02	37.01	27.42	53.71	74	-20.29	Vertical
7678.832	36.04	10.89	37.44	42.17	51.66	74	-22.34	Horizontal
9659.786	37.10	12.53	36.28	40.20	53.55	74	-20.45	Horizontal
11590.000	37.50	14.12	36.77	32.75	47.60	74	-26.40	Horizontal
13117.890	38.22	15.58	38.31	36.01	51.50	74	-22.50	Horizontal
15157.260	40.66	16.70	39.53	35.10	52.93	74	-21.07	Horizontal
17385.000	43.28	20.02	37.01	26.61	52.90	74	-21.10	Horizontal

Test mode:	802.11 ac40		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	43.03	52.52	74	-21.48	Vertical
9007.715	37.00	11.80	37.18	39.66	51.28	74	-22.72	Vertical
10380.000	37.09	13.00	35.97	37.32	51.44	74	-22.56	Vertical
12775.540	37.99	14.93	37.91	37.55	52.56	74	-21.44	Vertical
15570.000	40.97	17.09	38.87	33.84	53.03	74	-20.97	Vertical
17797.150	43.90	21.44	36.95	25.50	53.89	74	-20.11	Vertical
7678.832	36.04	10.89	37.44	42.21	51.70	74	-22.30	Horizontal
9007.715	37.00	11.80	37.18	39.58	51.20	74	-22.80	Horizontal
10380.000	37.09	13.00	35.97	36.25	50.37	74	-23.63	Horizontal
12751.430	37.98	14.86	37.89	37.22	52.17	74	-21.83	Horizontal
15570.000	40.97	17.09	38.87	33.77	52.96	74	-21.04	Horizontal
17932.130	44.23	21.89	36.93	23.14	52.33	74	-21.67	Horizontal

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Test mode:	802.11 ac40		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
7093.172	35.49	10.64	37.69	42.99	51.43	74	-22.57	Vertical
9007.715	37.00	11.80	37.18	39.76	51.38	74	-22.62	Vertical
10460.000	37.10	13.06	36.00	35.31	49.47	74	-24.53	Vertical
13117.890	38.22	15.58	38.31	36.12	51.61	74	-22.39	Vertical
15690.000	41.09	17.21	38.68	33.70	53.32	74	-20.68	Vertical
17830.800	43.98	21.55	36.94	24.59	53.18	74	-20.82	Vertical
7026.495	35.43	10.61	37.72	43.43	51.75	74	-22.25	Horizontal
9007.715	37.00	11.80	37.18	38.61	50.23	74	-23.77	Horizontal
10460.000	37.10	13.06	36.00	35.33	49.49	74	-24.51	Horizontal
13192.440	38.29	15.60	38.42	36.63	52.10	74	-21.90	Horizontal
15690.000	41.09	17.21	38.68	33.55	53.17	74	-20.83	Horizontal
17864.510	44.06	21.66	36.94	24.85	53.63	74	-20.37	Horizontal

Test mode:	802.11 ac40		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	42.84	52.33	74	-21.67	Vertical
8990.716	37.00	11.79	37.19	40.10	51.70	74	-22.30	Vertical
10540.000	37.10	13.12	36.02	34.17	48.37	74	-25.63	Vertical
13192.440	38.29	15.60	38.42	37.36	52.83	74	-21.17	Vertical
15810.000	41.21	17.32	38.49	32.58	52.62	74	-21.38	Vertical
17763.560	43.86	21.32	36.95	25.33	53.56	74	-20.44	Vertical
7106.583	35.51	10.64	37.68	41.63	50.10	74	-23.90	Horizontal
8990.716	37.00	11.79	37.19	39.75	51.35	74	-22.65	Horizontal
10540.000	37.10	13.12	36.02	33.97	48.17	74	-25.83	Horizontal
13093.140	38.19	15.57	38.27	37.12	52.61	74	-21.39	Horizontal
15810.000	41.21	17.32	38.49	33.39	53.43	74	-20.57	Horizontal
17763.560	43.86	21.32	36.95	25.14	53.37	74	-20.63	Horizontal

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Test mode:	802.11 ac40		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
7678.832	36.04	10.89	37.44	42.86	52.35	74	-21.65	Vertical
9007.715	37.00	11.80	37.18	39.07	50.69	74	-23.31	Vertical
10620.000	37.11	13.18	36.05	34.46	48.70	74	-25.30	Vertical
13192.440	38.29	15.60	38.42	37.50	52.97	74	-21.03	Vertical
15930.000	41.27	17.43	38.31	32.66	53.05	74	-20.95	Vertical
17830.800	43.98	21.55	36.94	24.44	53.03	74	-20.97	Vertical
7093.172	35.49	10.64	37.69	42.42	50.86	74	-23.14	Horizontal
8990.716	37.00	11.79	37.19	38.93	50.53	74	-23.47	Horizontal
10620.000	37.11	13.18	36.05	34.03	48.27	74	-25.73	Horizontal
12751.430	37.98	14.86	37.89	37.35	52.30	74	-21.70	Horizontal
15930.000	41.27	17.43	38.31	32.42	52.81	74	-21.19	Horizontal
17830.800	43.98	21.55	36.94	24.92	53.51	74	-20.49	Horizontal

Test mode:	802.11 ac40		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
7678.832	36.04	10.89	37.44	42.44	51.93	74	-22.07	Vertical
9007.715	37.00	11.80	37.18	39.04	50.66	74	-23.34	Vertical
11020.000	37.30	13.47	36.20	36.56	51.13	74	-22.87	Vertical
12751.430	37.98	14.86	37.89	37.33	52.28	74	-21.72	Vertical
14512.850	40.01	16.40	39.72	36.32	53.01	74	-20.99	Vertical
16530.000	42.06	17.66	37.59	31.25	53.38	74	-20.62	Vertical
7099.874	35.50	10.64	37.69	40.91	49.36	74	-24.64	Horizontal
9007.715	37.00	11.80	37.18	39.36	50.98	74	-23.02	Horizontal
11020.000	37.30	13.47	36.20	35.74	50.31	74	-23.69	Horizontal
12751.430	37.98	14.86	37.89	36.34	51.29	74	-22.71	Horizontal
14761.680	40.34	16.47	39.76	35.68	52.73	74	-21.27	Horizontal
16530.000	42.06	17.66	37.59	31.64	53.77	74	-20.23	Horizontal

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Test mode:	802.11 ac40		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	41.07	49.51	74	-24.49	Vertical
8990.716	37.00	11.79	37.19	39.13	50.73	74	-23.27	Vertical
11180.000	37.30	13.66	36.36	33.87	48.47	74	-25.53	Vertical
13204.910	38.30	15.60	38.44	37.35	52.81	74	-21.19	Vertical
15128.660	40.63	16.67	39.58	35.37	53.09	74	-20.91	Vertical
16770.000	42.46	18.18	37.32	29.71	53.03	74	-20.97	Vertical
7678.832	36.04	10.89	37.44	42.32	51.81	74	-22.19	Horizontal
8990.716	37.00	11.79	37.19	39.55	51.15	74	-22.85	Horizontal
11180.000	37.30	13.66	36.36	34.35	48.95	74	-25.05	Horizontal
12775.540	37.99	14.93	37.91	37.96	52.97	74	-21.03	Horizontal
14512.850	40.01	16.40	39.72	36.16	52.85	74	-21.15	Horizontal
16770.000	42.46	18.18	37.32	30.02	53.34	74	-20.66	Horizontal

Test mode:	802.11 ac40		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
7664.340	36.03	10.88	37.44	42.39	51.86	74	-22.14	Vertical
9007.715	37.00	11.80	37.18	39.15	50.77	74	-23.23	Vertical
11340.000	37.37	13.84	36.53	35.76	50.44	74	-23.56	Vertical
12751.430	37.98	14.86	37.89	37.50	52.45	74	-21.55	Vertical
15157.260	40.66	16.70	39.53	35.36	53.19	74	-20.81	Vertical
17010.000	42.81	18.71	37.06	29.08	53.54	74	-20.46	Vertical
7093.172	35.49	10.64	37.69	41.99	50.43	74	-23.57	Horizontal
8990.716	37.00	11.79	37.19	39.14	50.74	74	-23.26	Horizontal
11340.000	37.37	13.84	36.53	35.77	50.45	74	-23.55	Horizontal
13217.380	38.32	15.61	38.46	36.02	51.49	74	-22.51	Horizontal
15185.920	40.69	16.72	39.49	34.65	52.57	74	-21.43	Horizontal
17010.000	42.81	18.71	37.06	28.97	53.43	74	-20.57	Horizontal

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Test mode:	802.11 ac40		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
7678.832	36.04	10.89	37.44	40.64	50.13	74	-23.87	Vertical
9659.786	37.10	12.53	36.28	38.23	51.58	74	-22.42	Vertical
11510.000	37.46	14.03	36.70	36.49	51.28	74	-22.72	Vertical
13167.540	38.27	15.59	38.38	36.35	51.83	74	-22.17	Vertical
15157.260	40.66	16.70	39.53	34.20	52.03	74	-21.97	Vertical
17265.000	43.10	19.60	37.02	27.53	53.21	74	-20.79	Vertical
7133.481	35.53	10.65	37.67	41.32	49.83	74	-24.17	Horizontal
8990.716	37.00	11.79	37.19	39.04	50.64	74	-23.36	Horizontal
11510.000	37.46	14.03	36.70	33.68	48.47	74	-25.53	Horizontal
13192.440	38.29	15.60	38.42	35.85	51.32	74	-22.68	Horizontal
14929.940	40.47	16.52	39.78	36.22	53.43	74	-20.57	Horizontal
17265.000	43.10	19.60	37.02	27.49	53.17	74	-20.83	Horizontal

Test mode:	802.11 ac40		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
7678.832	36.04	10.89	37.44	41.50	50.99	74	-23.01	Vertical
9659.786	37.10	12.53	36.28	40.11	53.46	74	-20.54	Vertical
11590.000	37.50	14.12	36.77	35.16	50.01	74	-23.99	Vertical
13117.890	38.22	15.58	38.31	37.06	52.55	74	-21.45	Vertical
15800.410	41.20	17.31	38.51	33.34	53.34	74	-20.66	Vertical
17385.000	43.28	20.02	37.01	27.42	53.71	74	-20.29	Vertical
7079.786	35.48	10.63	37.69	42.54	50.96	74	-23.04	Horizontal
8990.716	37.00	11.79	37.19	39.80	51.40	74	-22.60	Horizontal
11590.000	37.50	14.12	36.77	35.75	50.60	74	-23.40	Horizontal
13192.440	38.29	15.60	38.42	36.75	52.22	74	-21.78	Horizontal
15157.260	40.66	16.70	39.53	35.10	52.93	74	-21.07	Horizontal
17385.000	43.28	20.02	37.01	26.61	52.90	74	-21.10	Horizontal

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Test mode:	802.11 ac80		Frequency(MHz):	5210	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	41.60	51.07	74	-22.93	Vertical
8990.716	37.00	11.79	37.19	39.58	51.18	74	-22.82	Vertical
10420.000	37.10	13.03	35.98	34.24	48.39	74	-25.61	Vertical
12751.430	37.98	14.86	37.89	37.42	52.37	74	-21.63	Vertical
15630.000	41.03	17.15	38.78	33.71	53.11	74	-20.89	Vertical
17830.800	43.98	21.55	36.94	25.08	53.67	74	-20.33	Vertical
7086.476	35.49	10.63	37.69	41.65	50.08	74	-23.92	Horizontal
9007.715	37.00	11.80	37.18	39.11	50.73	74	-23.27	Horizontal
10420.000	37.10	13.03	35.98	34.88	49.03	74	-24.97	Horizontal
12775.540	37.99	14.93	37.91	37.39	52.40	74	-21.60	Horizontal
15630.000	41.03	17.15	38.78	33.45	52.85	74	-21.15	Horizontal
17763.560	43.86	21.32	36.95	25.35	53.58	74	-20.42	Horizontal

Test mode:	802.11 ac80		Frequency(MHz):	5290	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	42.14	50.61	74	-23.39	Vertical
8990.716	37.00	11.79	37.19	39.16	50.76	74	-23.24	Vertical
10580.000	37.10	13.15	36.04	35.21	49.42	74	-24.58	Vertical
12775.540	37.99	14.93	37.91	37.51	52.52	74	-21.48	Vertical
15870.000	41.24	17.38	38.40	33.04	53.26	74	-20.74	Vertical
17830.800	43.98	21.55	36.94	24.80	53.39	74	-20.61	Vertical
7678.832	36.04	10.89	37.44	42.13	51.62	74	-22.38	Horizontal
9007.715	37.00	11.80	37.18	38.98	50.60	74	-23.40	Horizontal
10580.000	37.10	13.15	36.04	35.23	49.44	74	-24.56	Horizontal
13117.890	38.22	15.58	38.31	35.85	51.34	74	-22.66	Horizontal
15870.000	41.24	17.38	38.40	32.65	52.87	74	-21.13	Horizontal
17763.560	43.86	21.32	36.95	24.13	52.36	74	-21.64	Horizontal

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Test mode:	802.11 ac80		Frequency(MHz):	5530	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	42.18	50.62	74	-23.38	Vertical
9007.715	37.00	11.80	37.18	39.17	50.79	74	-23.21	Vertical
11060.000	37.30	13.52	36.24	37.70	52.28	74	-21.72	Vertical
12775.540	37.99	14.93	37.91	37.91	52.92	74	-21.08	Vertical
14512.850	40.01	16.40	39.72	35.06	51.75	74	-22.25	Vertical
16590.000	42.18	17.79	37.52	31.11	53.56	74	-20.44	Vertical
7678.832	36.04	10.89	37.44	42.42	51.91	74	-22.09	Horizontal
8990.716	37.00	11.79	37.19	39.47	51.07	74	-22.93	Horizontal
11060.000	37.30	13.52	36.24	37.86	52.44	74	-21.56	Horizontal
12775.540	37.99	14.93	37.91	37.06	52.07	74	-21.93	Horizontal
14929.940	40.47	16.52	39.78	34.62	51.83	74	-22.17	Horizontal
16590.000	42.18	17.79	37.52	31.12	53.57	74	-20.43	Horizontal

Test mode:	802.11 ac80		Frequency(MHz):	5610	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	41.57	51.06	74	-22.94	Vertical
8990.716	37.00	11.79	37.19	38.98	50.58	74	-23.42	Vertical
11220.000	37.31	13.70	36.41	35.37	49.97	74	-24.03	Vertical
13192.440	38.29	15.60	38.42	36.62	52.09	74	-21.91	Vertical
15417.140	40.82	16.95	39.11	34.09	52.75	74	-21.25	Vertical
16830.000	42.55	18.31	37.25	29.60	53.21	74	-20.79	Vertical
7093.172	35.49	10.64	37.69	42.23	50.67	74	-23.33	Horizontal
9007.715	37.00	11.80	37.18	39.55	51.17	74	-22.83	Horizontal
11220.000	37.31	13.70	36.41	36.16	50.76	74	-23.24	Horizontal
13217.380	38.32	15.61	38.46	36.45	51.92	74	-22.08	Horizontal
14929.940	40.47	16.52	39.78	35.95	53.16	74	-20.84	Horizontal
16830.000	42.55	18.31	37.25	30.18	53.79	74	-20.21	Horizontal

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Test mode:	802.11 ac80		Frequency(MHz):	5775	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	42.40	51.89	74	-22.11	Vertical
9007.715	37.00	11.80	37.18	38.95	50.57	74	-23.43	Vertical
11550.000	37.48	14.07	36.74	34.09	48.90	74	-25.10	Vertical
13167.540	38.27	15.59	38.38	36.38	51.86	74	-22.14	Vertical
15740.830	41.14	17.26	38.60	33.37	53.17	74	-20.83	Vertical
17325.000	43.19	19.81	37.01	27.80	53.79	74	-20.21	Vertical
7099.874	35.50	10.64	37.69	40.82	49.27	74	-24.73	Horizontal
9007.715	37.00	11.80	37.18	38.75	50.37	74	-23.63	Horizontal
11550.000	37.48	14.07	36.74	34.85	49.66	74	-24.34	Horizontal
13217.380	38.32	15.61	38.46	36.22	51.69	74	-22.31	Horizontal
15800.410	41.20	17.31	38.51	32.72	52.72	74	-21.28	Horizontal
17325.000	43.19	19.81	37.01	26.80	52.79	74	-21.21	Horizontal

Remark:
1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
2) Scan from 9kHz to 25GHz,The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .
3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

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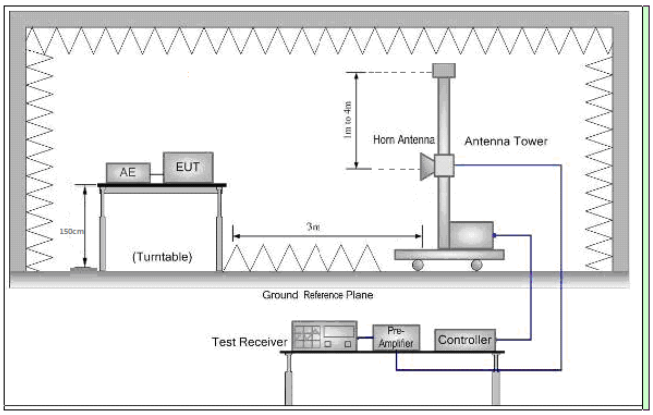
6.9 Restricted bands around fundamental frequency

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:



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Test Procedure:	a. 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. 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.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	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); 6.5Mbps of rate is the worst case of 802.11ac 20; 13.5Mbps of rate is the worst case of 802.11n(HT40); 13.5Mbps of rate is the worst case of 802.11ac 40; 29.2Mbps of rate is the worst case of 802.11ac 80.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

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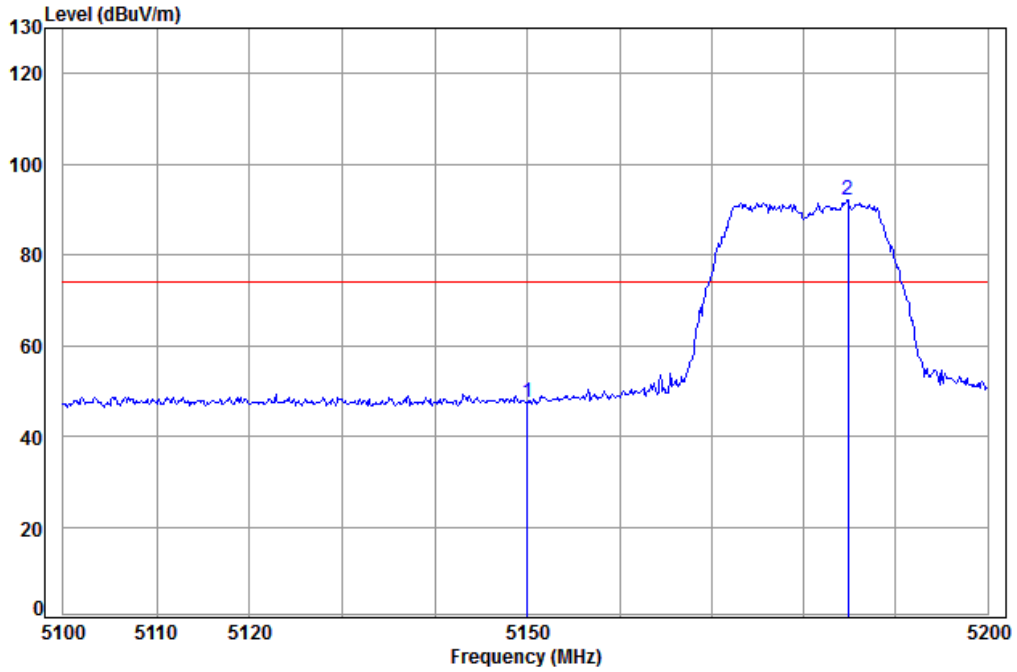
Test plot as follows:

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



Condition: 3m Vertical
Job No: : 0659CR
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	44.17	47.50	74.00	-26.50
2 pp	5184.78	8.10	34.02	38.82	88.70	92.00	74.00	18.00

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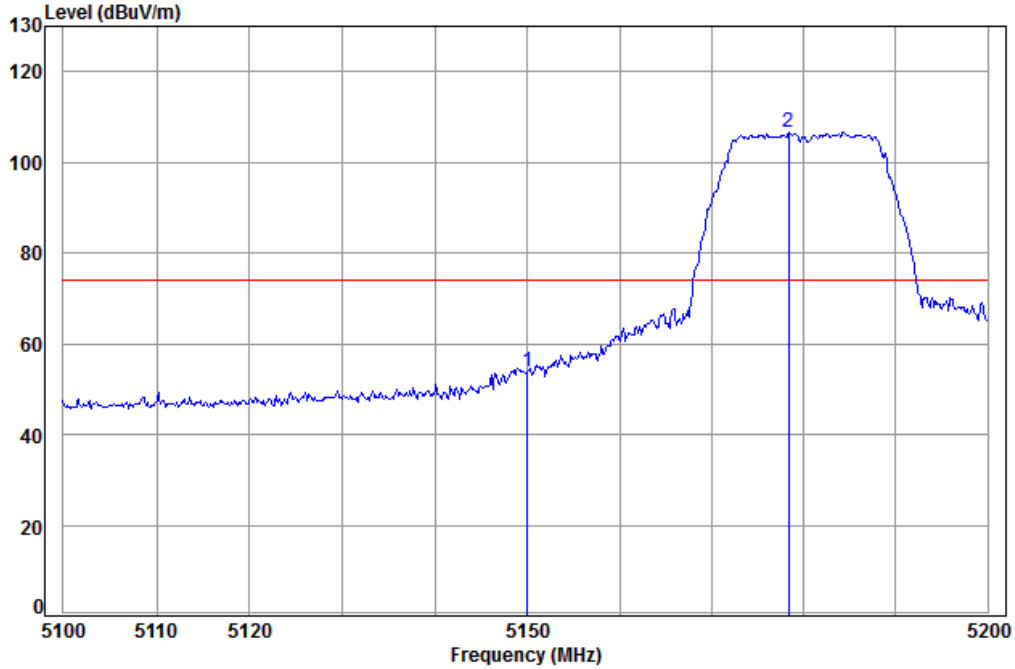
Test mode:	802.11a	Frequency(MHz):	5180	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	50.51	53.84	74.00	-20.16
2 pp	5178.34	8.09	34.03	38.82	103.46	106.76	74.00	32.76

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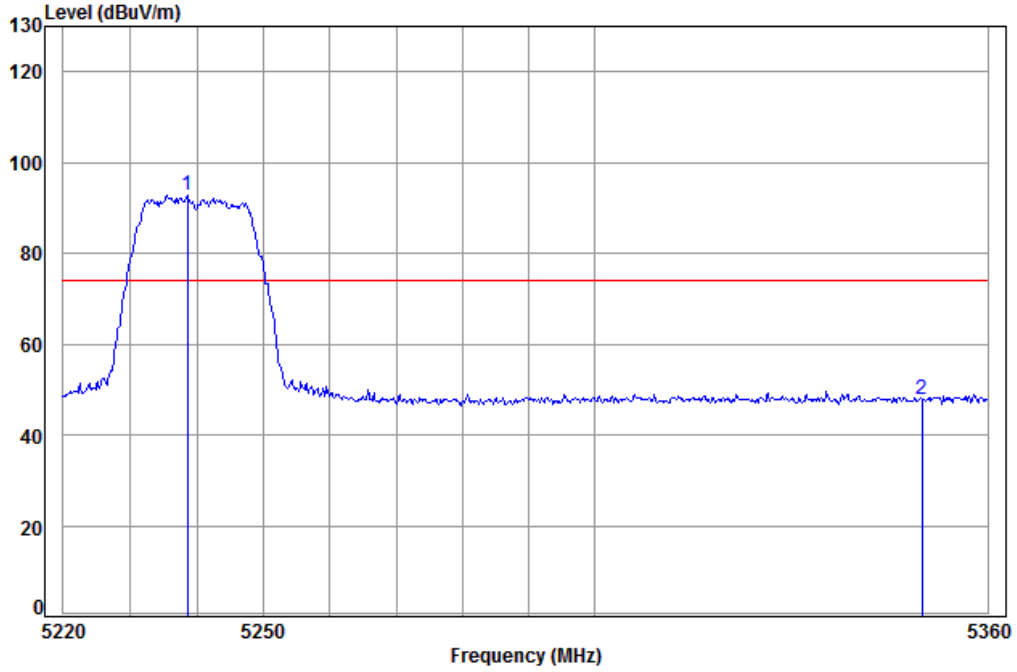
Test mode:	802.11a	Frequency(MHz):	5240	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5238.55	8.12	34.08	38.83	89.49	92.86	74.00	18.86
2	5350.00	8.18	34.30	38.85	44.22	47.85	74.00	-26.15

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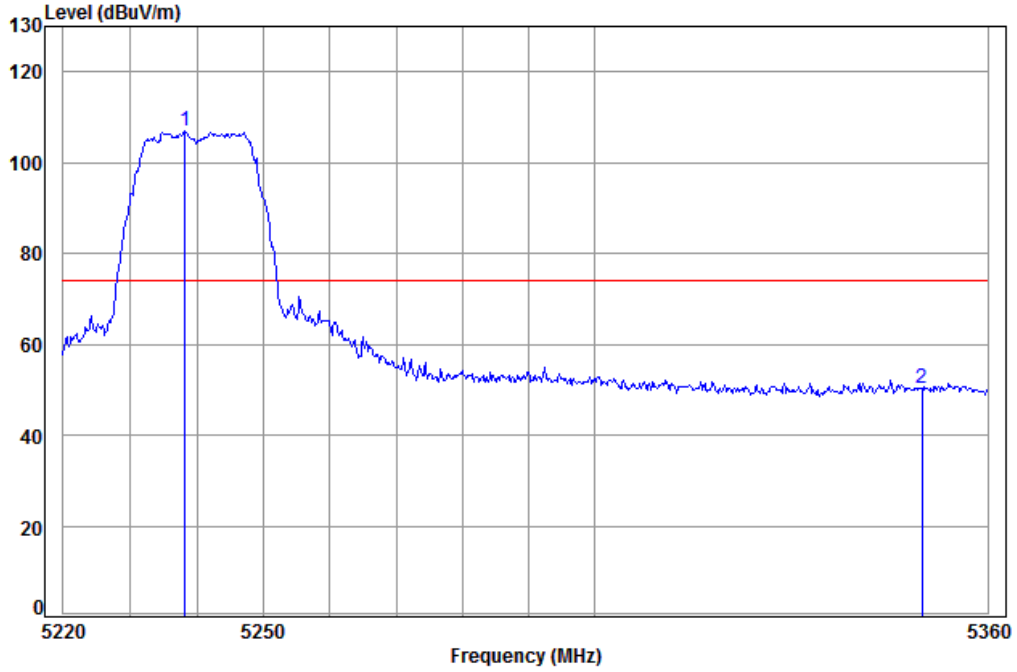
Test mode:	802.11a	Frequency(MHz):	5240	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5238.27	8.12	34.08	38.83	103.75	107.12	74.00	33.12
2	5350.00	8.18	34.30	38.85	46.75	50.38	74.00	-23.62

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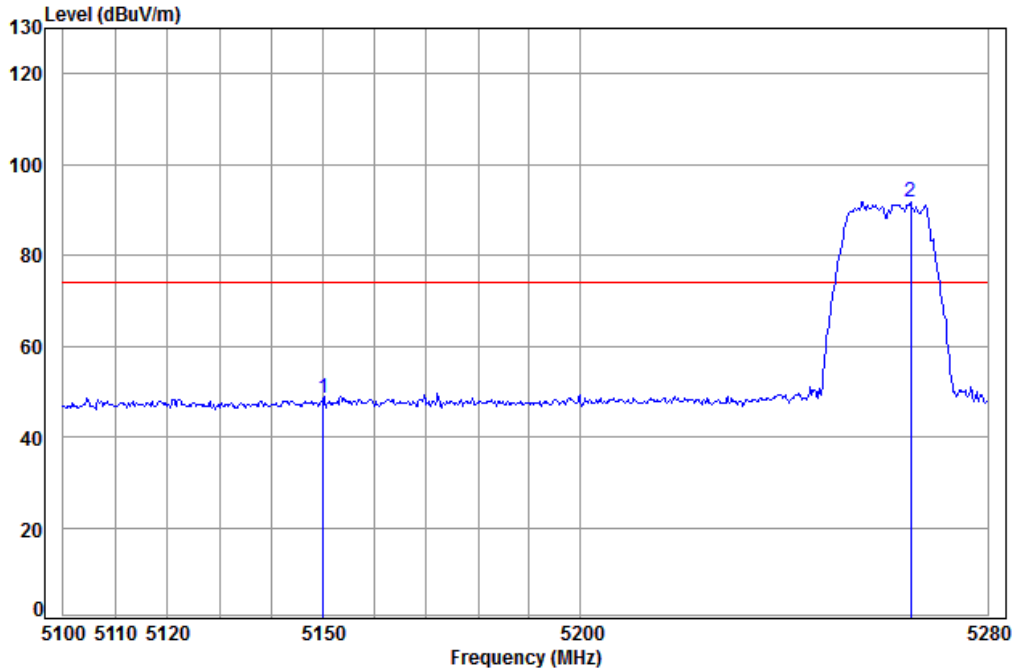
Test mode:	802.11a	Frequency(MHz):	5260	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	45.05	48.38	74.00	-25.62
2 pp	5264.82	8.14	34.13	38.84	88.45	91.88	74.00	17.88

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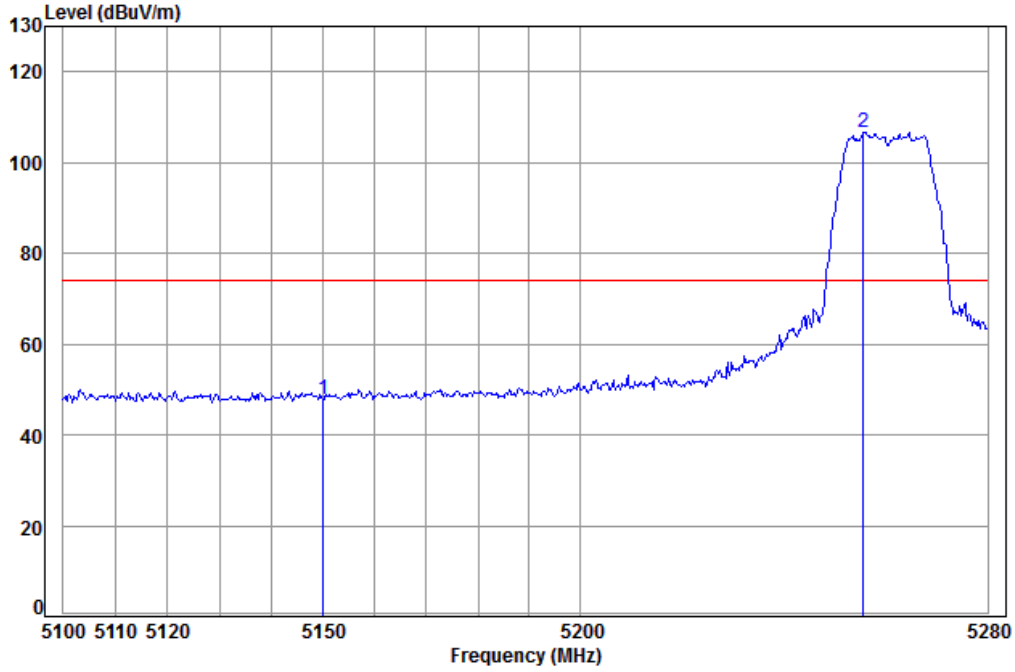
Test mode:	802.11a	Frequency(MHz):	5260	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	44.58	47.91	74.00	-26.09
2 pp	5255.52	8.13	34.11	38.84	103.39	106.79	74.00	32.79

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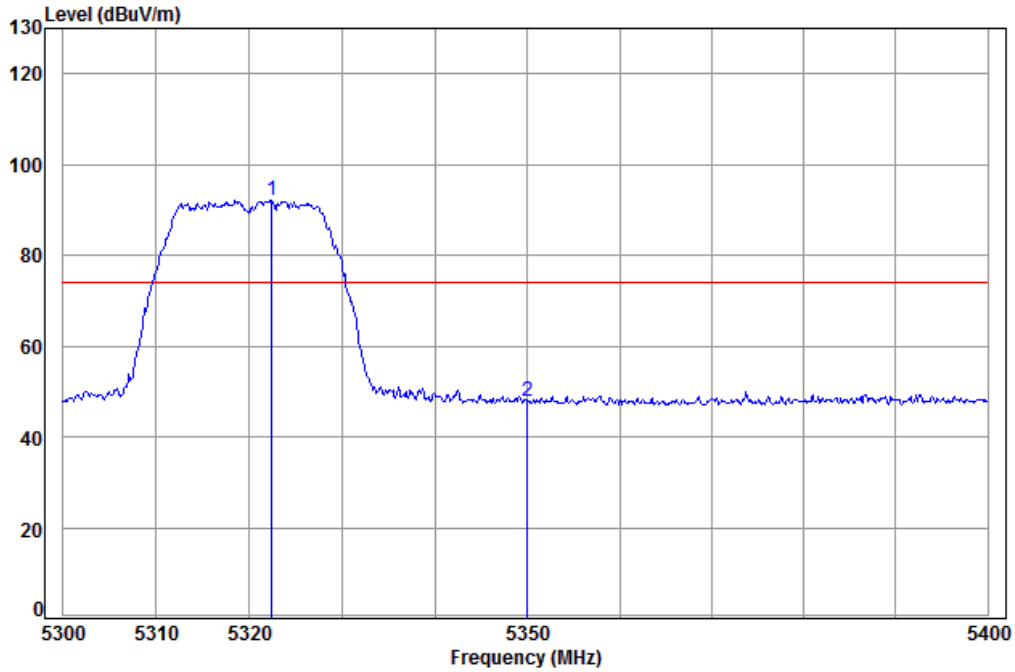
Test mode:	802.11a	Frequency(MHz):	5320	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5322.44	8.16	34.25	38.85	88.53	92.09	74.00	18.09
2	5350.00	8.18	34.30	38.85	44.31	47.94	74.00	-26.06

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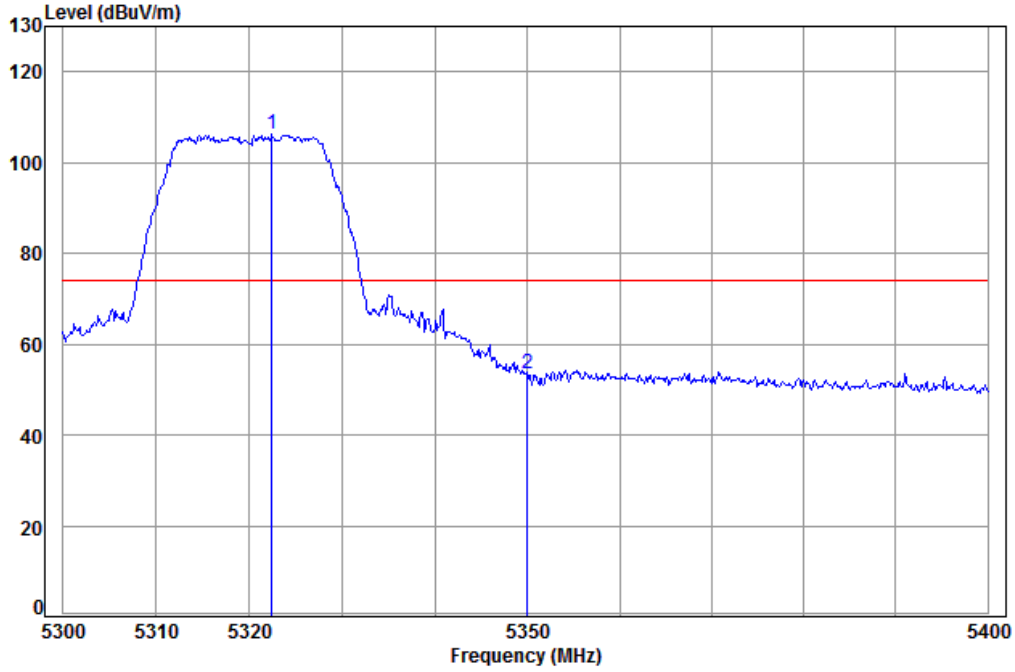
Test mode:	802.11a	Frequency(MHz):	5320	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5322.44	8.16	34.25	38.85	102.55	106.11	74.00	32.11
2	5350.00	8.18	34.30	38.85	49.78	53.41	74.00	-20.59

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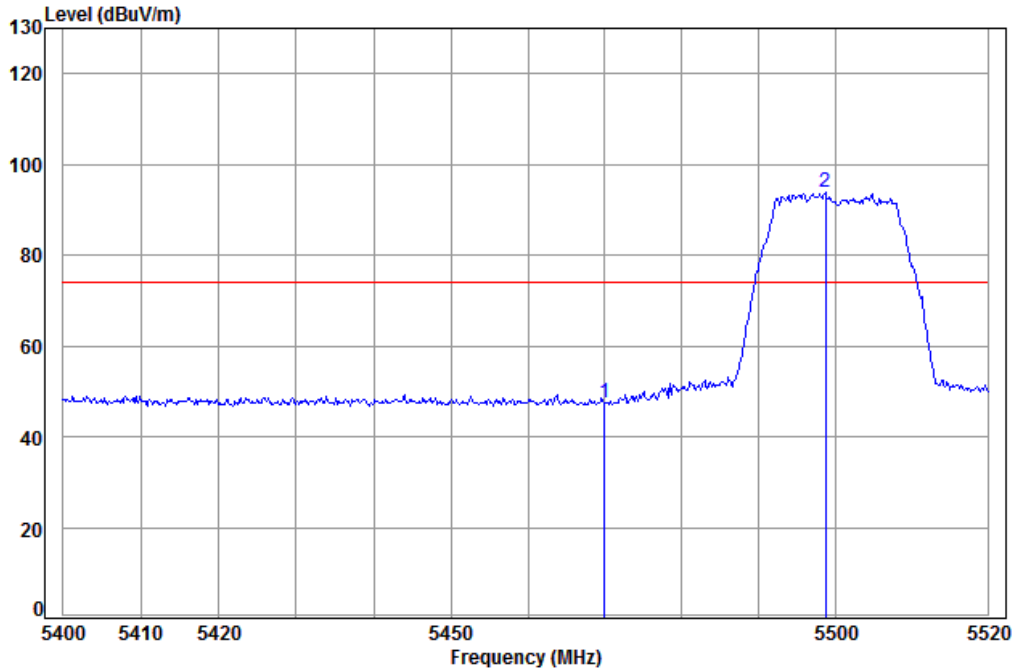
Test mode:	802.11a	Frequency(MHz):	5500	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	43.67	47.40	74.00	-26.60
2 pp	5498.81	8.25	34.35	38.88	89.97	93.69	74.00	19.69

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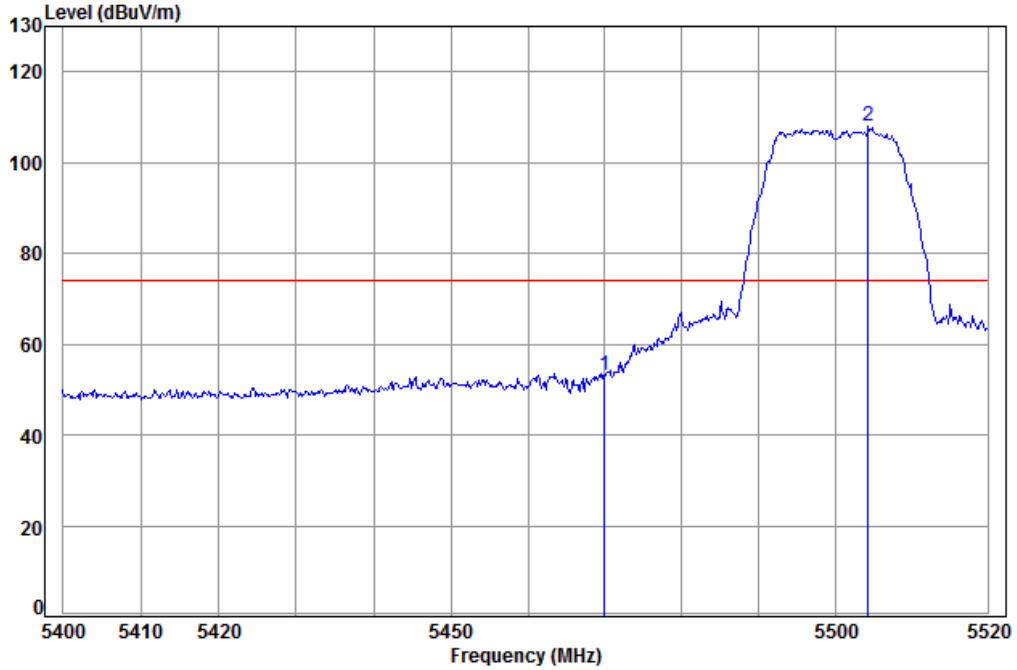
Test mode:	802.11a	Frequency(MHz):	5500	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	49.38	53.11	74.00	-20.89
2 pp	5504.37	8.25	34.35	38.88	104.18	107.90	74.00	33.90

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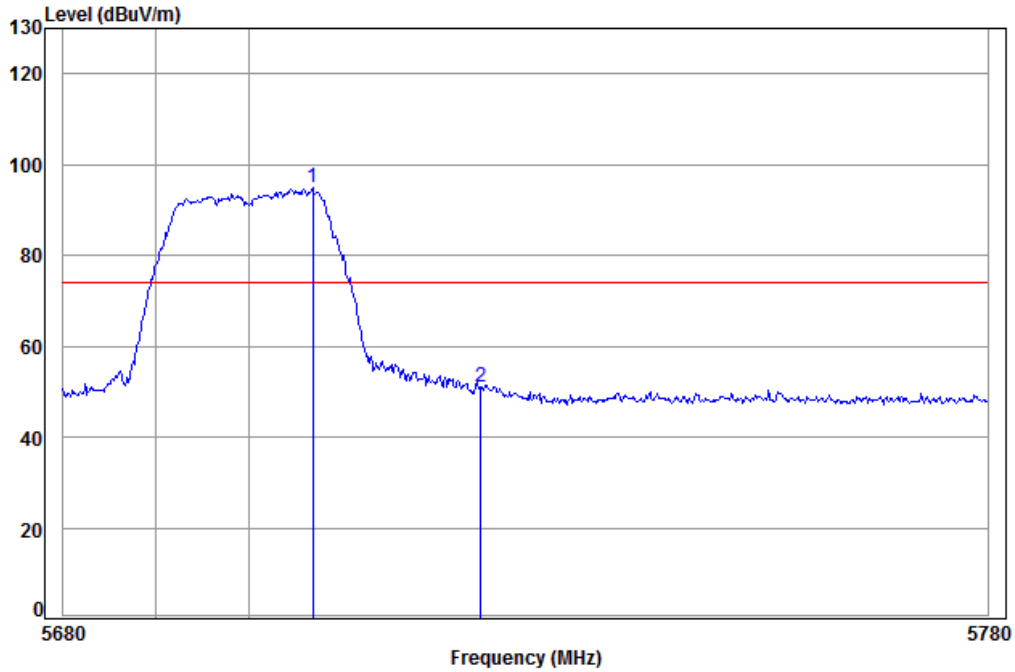
Test mode:	802.11a	Frequency(MHz):	5700	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5706.83	8.46	34.25	38.91	91.01	94.81	74.00	20.81
2	5725.00	8.48	34.24	38.92	47.35	51.15	74.00	-22.85

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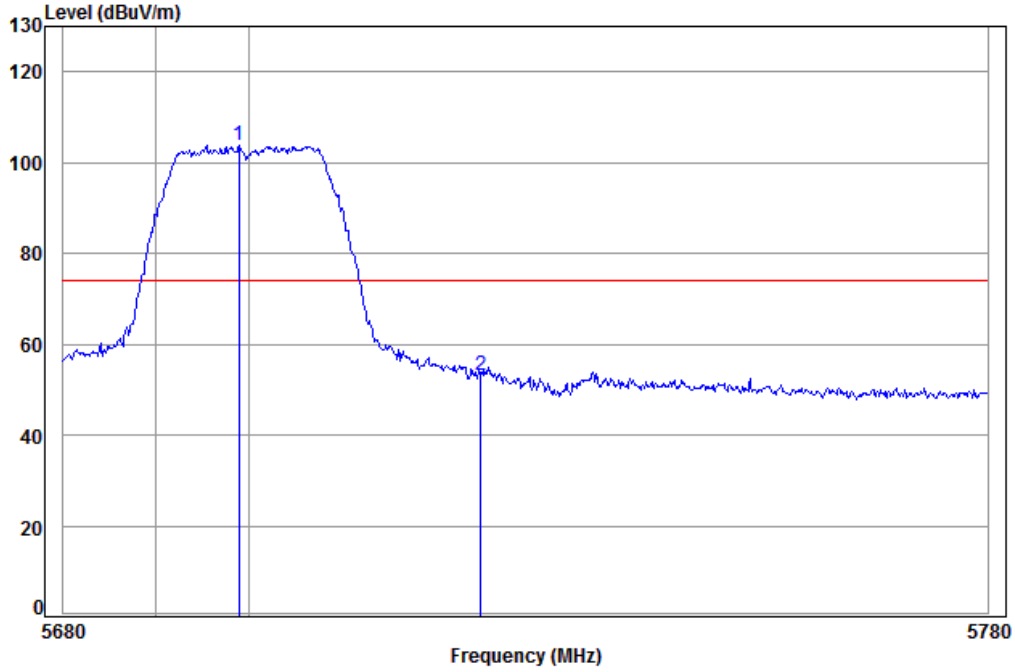
Test mode:	802.11a	Frequency(MHz):	5700	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5700 Band edge
: A20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5698.87	8.45	34.25	38.91	100.09	103.88	74.00	29.88
2	5725.00	8.48	34.24	38.92	49.46	53.26	74.00	-20.74

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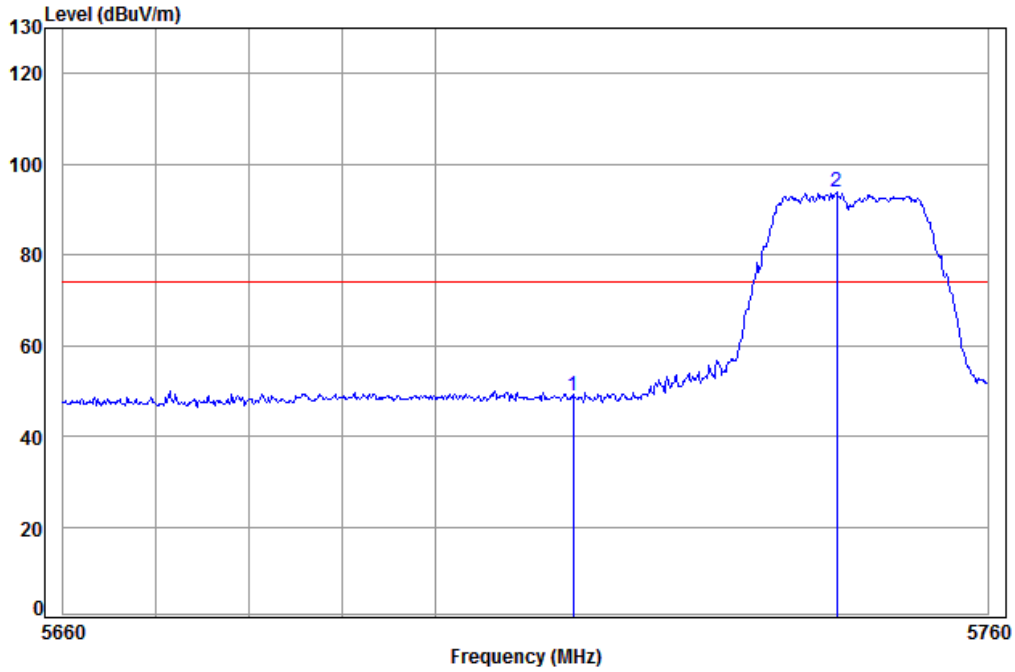
Test mode:	802.11a	Frequency(MHz):	5745	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	45.14	48.94	74.00	-25.06
2 pp	5743.58	8.50	34.23	38.92	90.01	93.82	74.00	19.82

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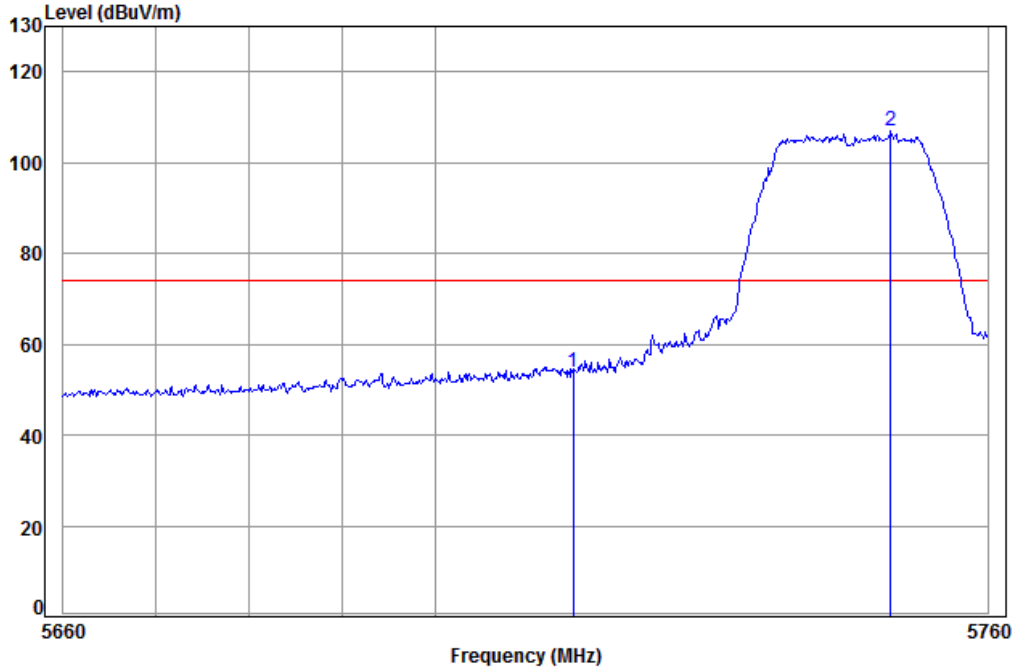
Test mode:	802.11a	Frequency(MHz):	5745	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	49.93	53.73	74.00	-20.27
2 pp	5749.42	8.50	34.22	38.92	103.00	106.80	74.00	32.80

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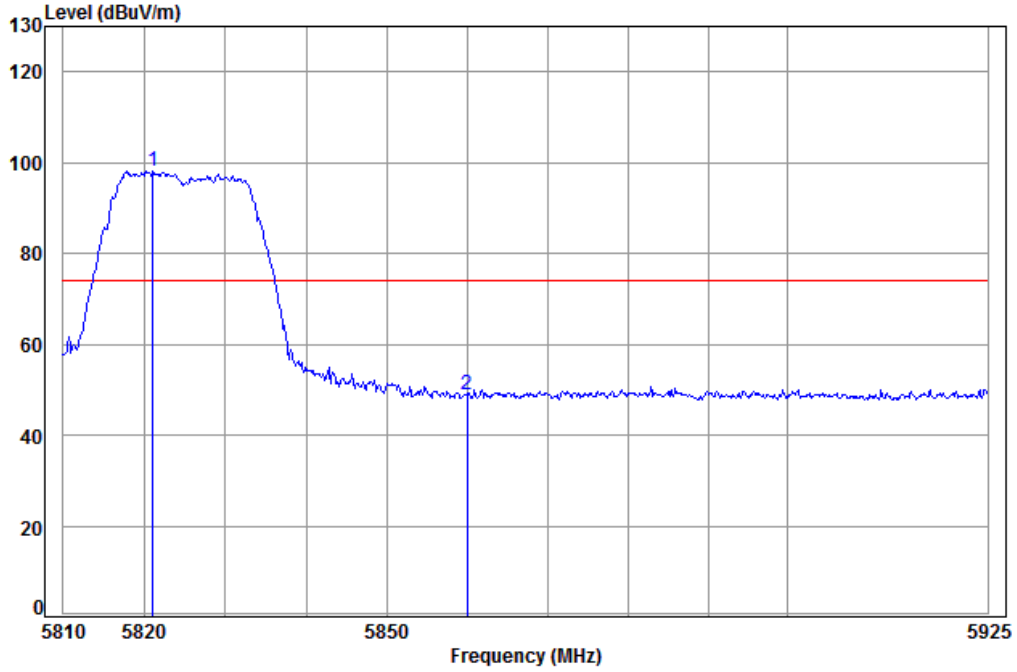
Test mode:	802.11a	Frequency(MHz):	5825	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5821.06	8.58	34.25	38.93	94.24	98.14	74.00	24.14
2	5860.00	8.61	34.35	38.94	44.94	48.96	74.00	-25.04

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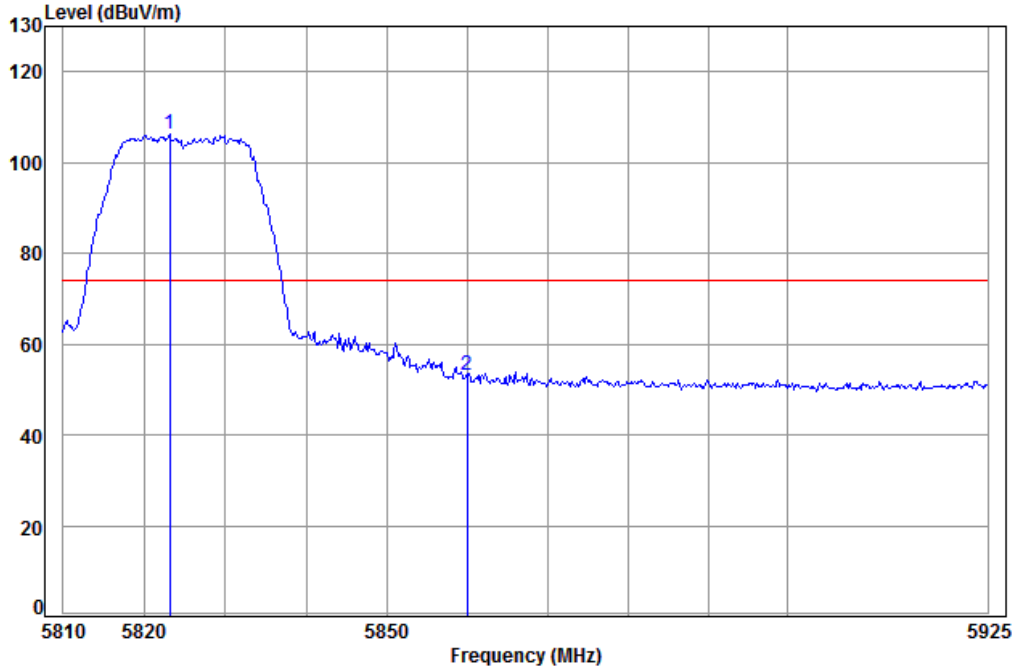
Test mode:	802.11a	Frequency(MHz):	5785	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5823.11	8.58	34.26	38.93	102.28	106.19	74.00	32.19
2	5860.00	8.61	34.35	38.94	49.28	53.30	74.00	-20.70

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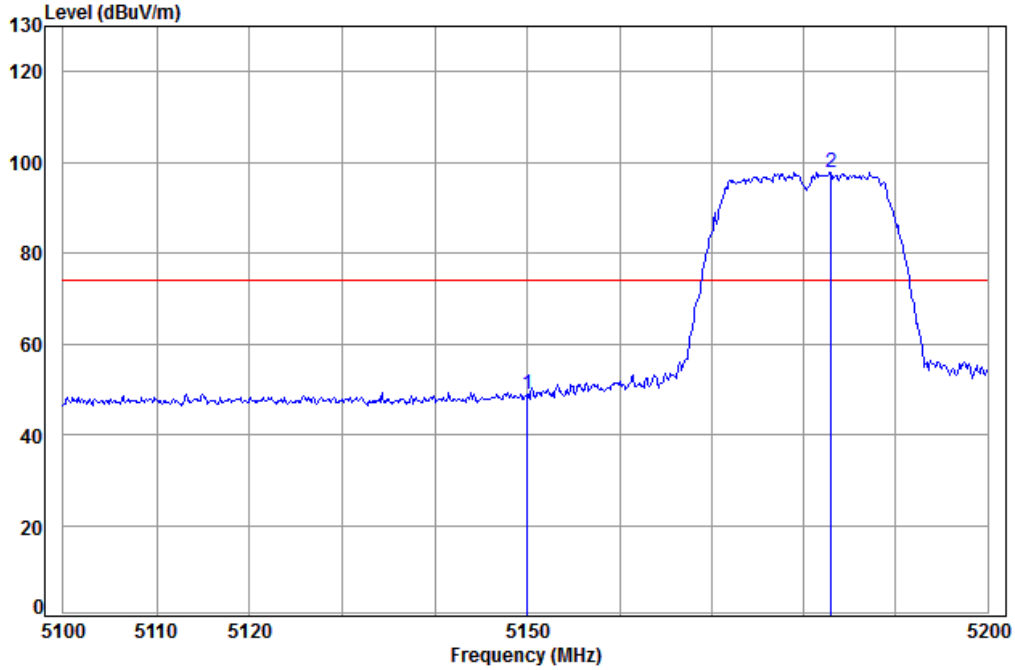
Test mode:	802.11 n20	Frequency(MHz):	5180	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	45.70	49.03	74.00	-24.97
2 pp	5182.96	8.09	34.03	38.82	94.51	97.81	74.00	23.81

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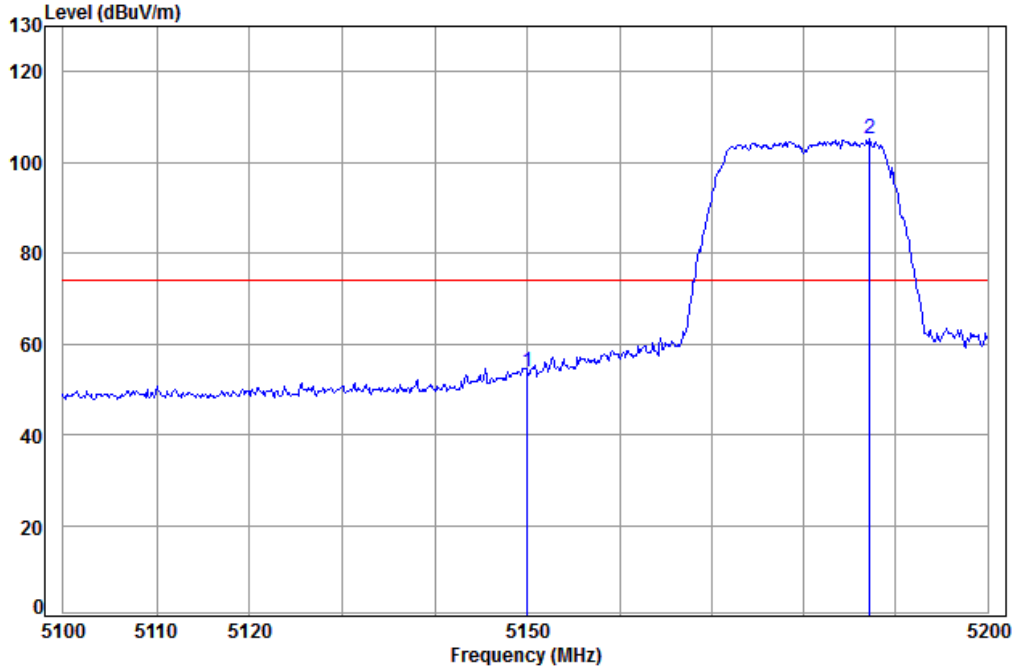
Test mode:	802.11 n20	Frequency(MHz):	5180	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	50.49	53.82	74.00	-20.18
2 pp	5187.19	8.10	34.02	38.82	101.86	105.16	74.00	31.16

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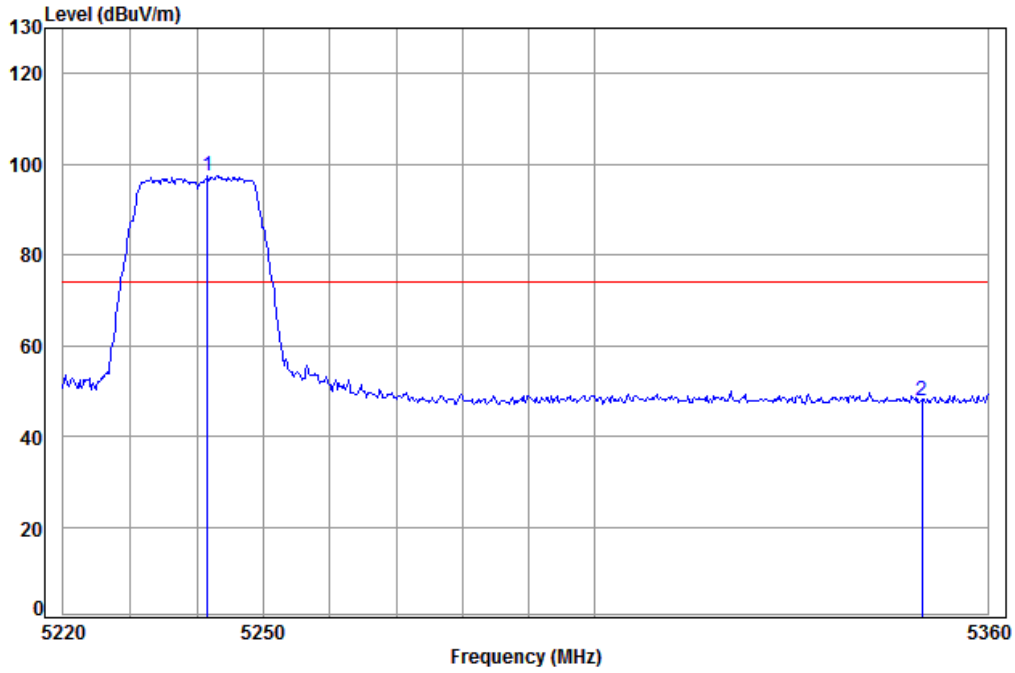
Test mode:	802.11 n20	Frequency(MHz):	5240	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	93.90	97.27	74.00	23.27
2	5350.00	8.18	34.30	38.85	44.33	47.96	74.00	-26.04

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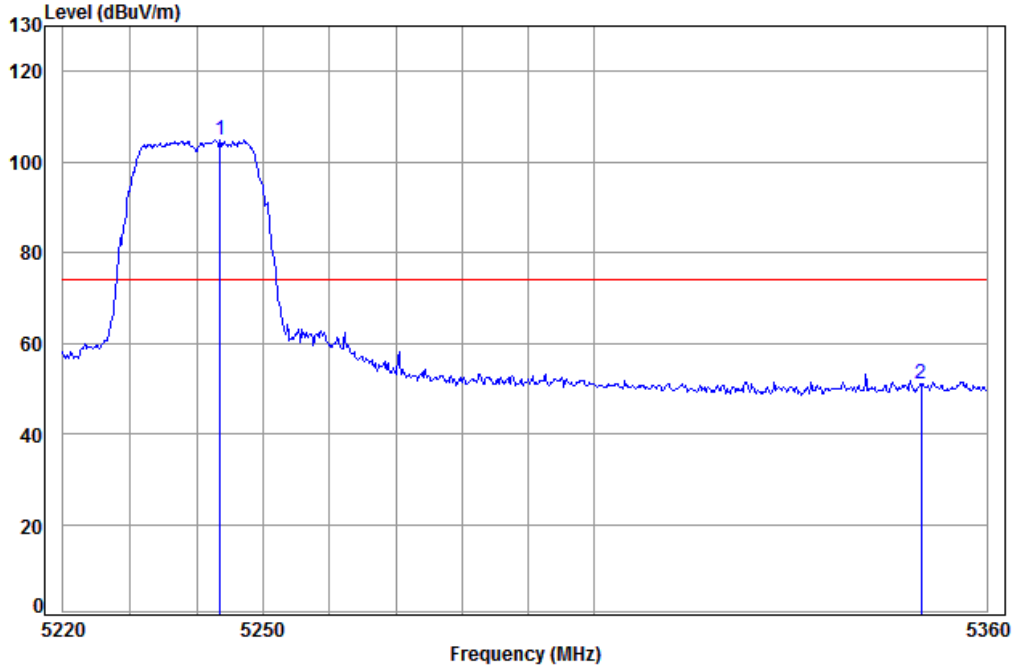
Test mode:	802.11 n20	Frequency(MHz):	5240	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5243.54	8.12	34.09	38.83	101.35	104.73	74.00	30.73
2	5350.00	8.18	34.30	38.85	47.48	51.11	74.00	-22.89

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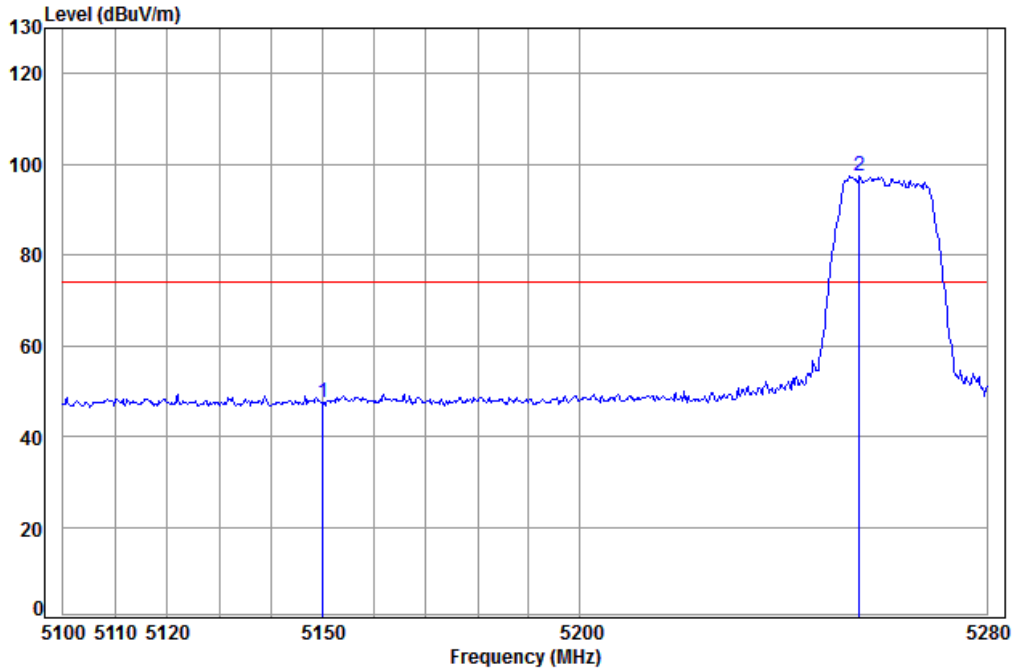
Test mode:	802.11 n20	Frequency(MHz):	5260	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	44.08	47.41	74.00	-26.59
2 pp	5254.79	8.13	34.11	38.84	94.01	97.41	74.00	23.41

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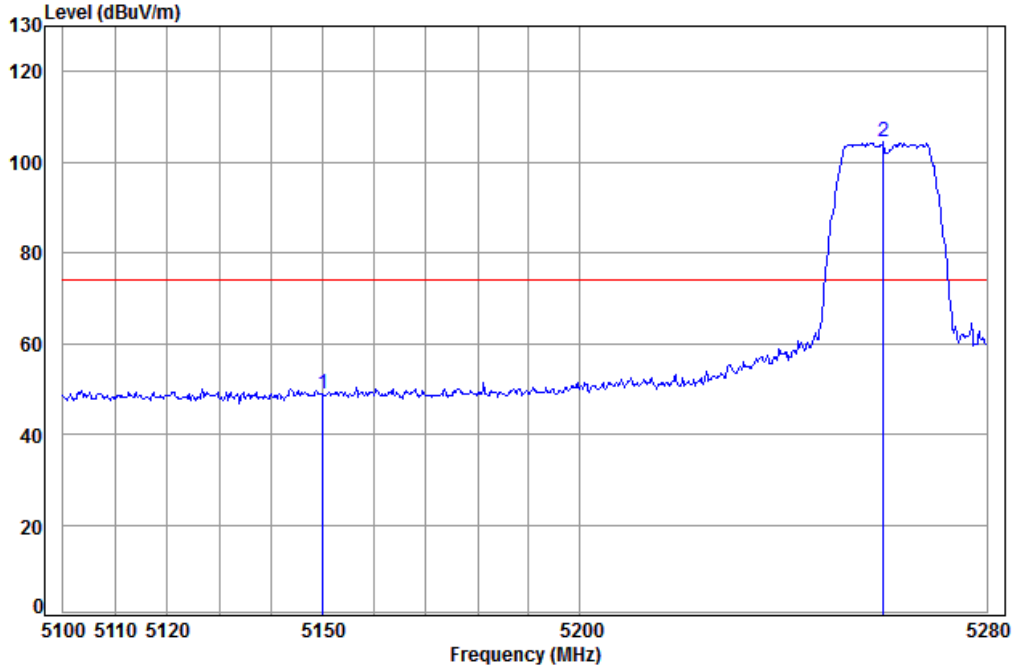
Test mode:	802.11 n20	Frequency(MHz):	5260	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	45.52	48.85	74.00	-25.15
2 pp	5259.53	8.13	34.12	38.84	101.12	104.53	74.00	30.53

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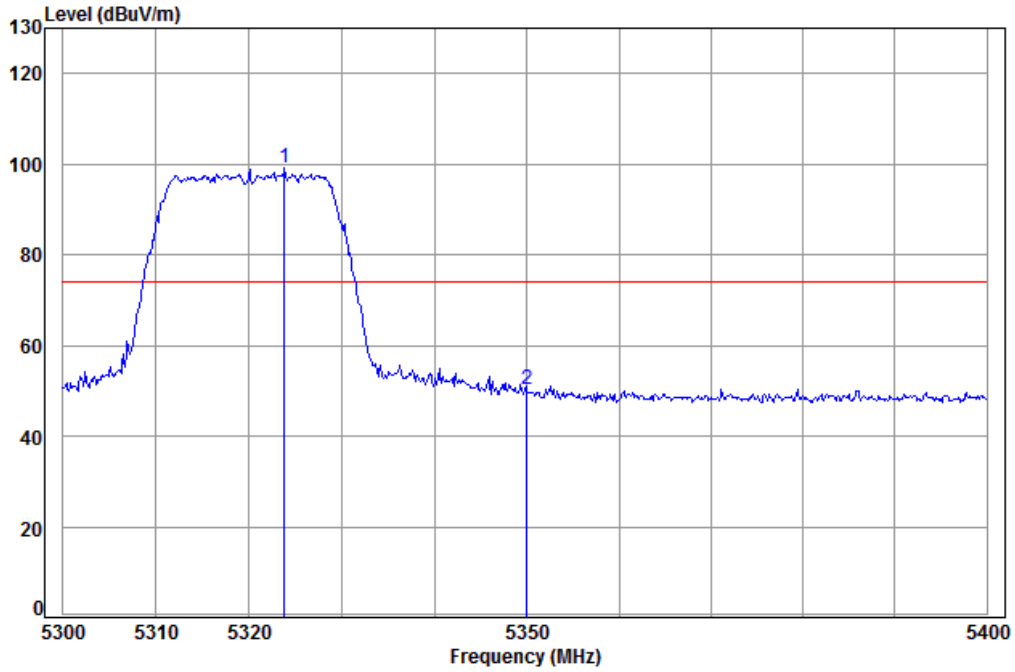
Test mode:	802.11 n20	Frequency(MHz):	5320	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5323.83	8.16	34.25	38.85	95.55	99.11	74.00	25.11
2	5350.00	8.18	34.30	38.85	46.63	50.26	74.00	-23.74

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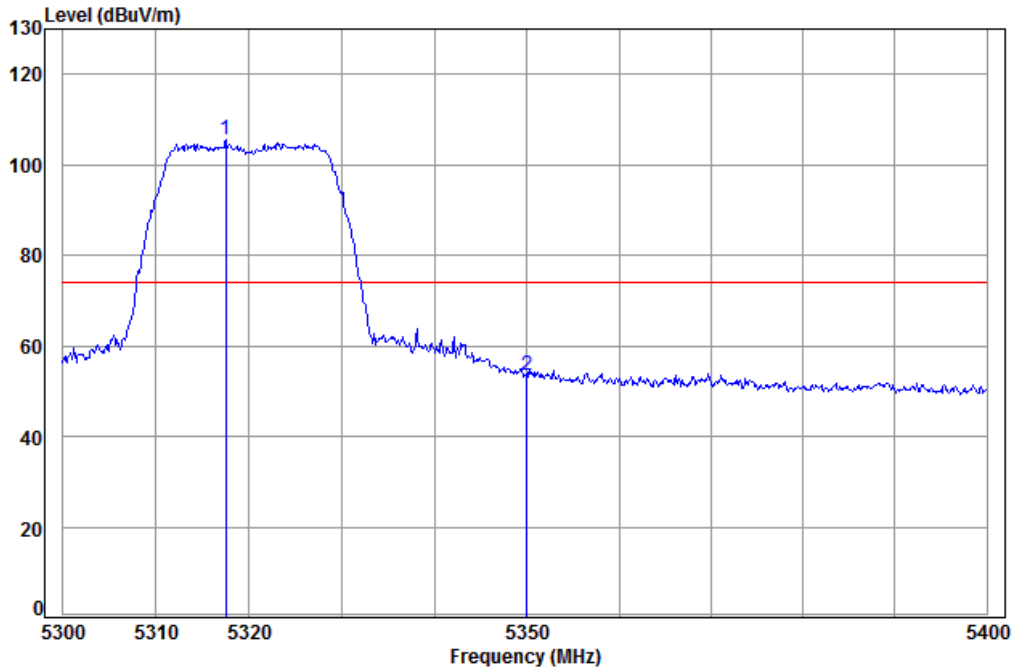
Test mode:	802.11 n20	Frequency(MHz):	5320	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5317.47	8.16	34.24	38.85	101.92	105.47	74.00	31.47
2	5350.00	8.18	34.30	38.85	49.91	53.54	74.00	-20.46

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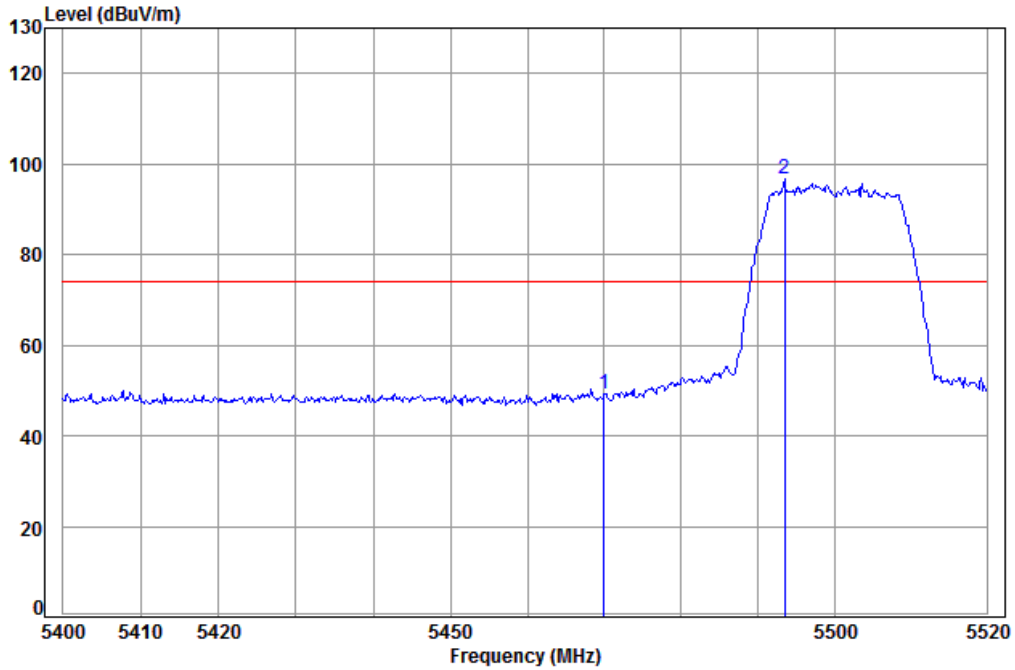
Test mode:	802.11 n20	Frequency(MHz):	5500	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	45.49	49.22	74.00	-24.78
2 pp	5493.49	8.25	34.35	38.88	93.06	96.78	74.00	22.78

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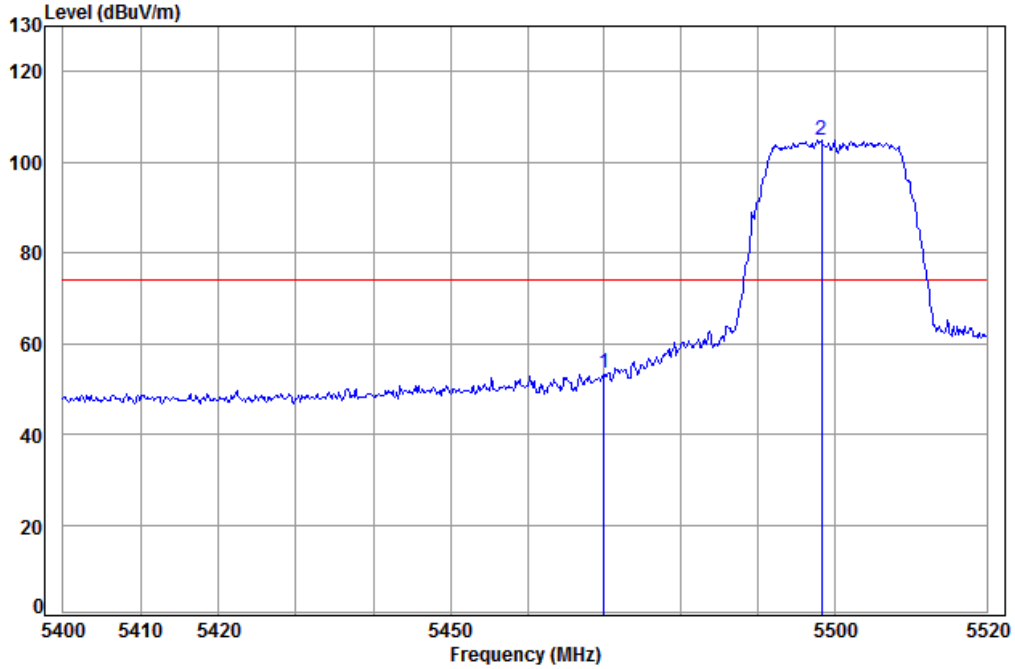
Test mode:	802.11 n20	Frequency(MHz):	5500	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	49.84	53.57	74.00	-20.43
2 pp	5498.33	8.25	34.35	38.88	101.16	104.88	74.00	30.88

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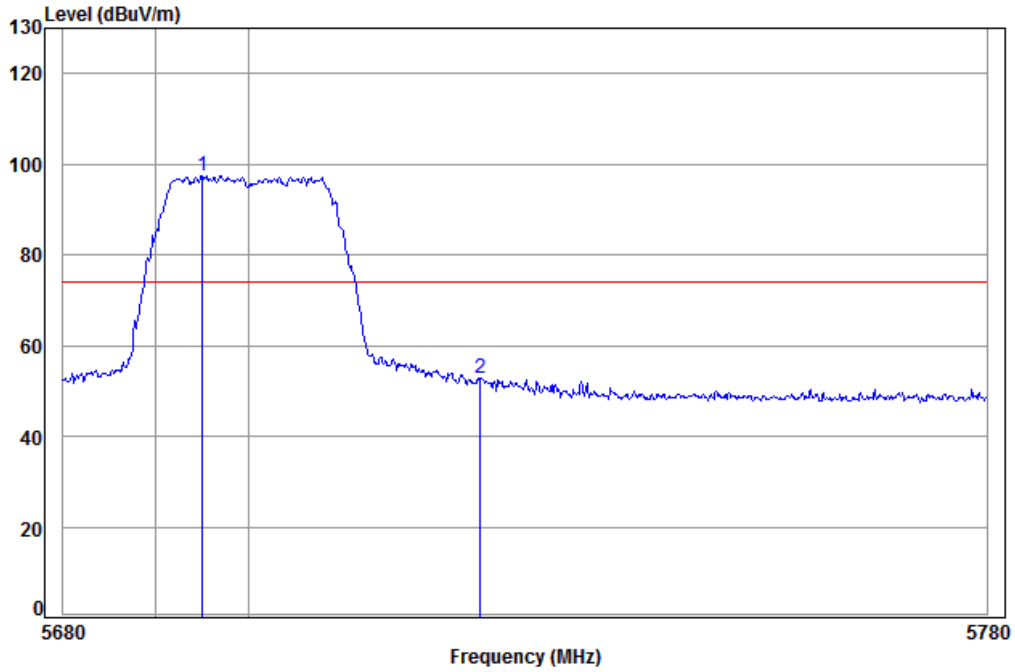
Test mode:	802.11 n20	Frequency(MHz):	5700	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5694.99	8.45	34.25	38.91	93.79	97.58	74.00	23.58
2	5725.00	8.48	34.24	38.92	48.81	52.61	74.00	-21.39

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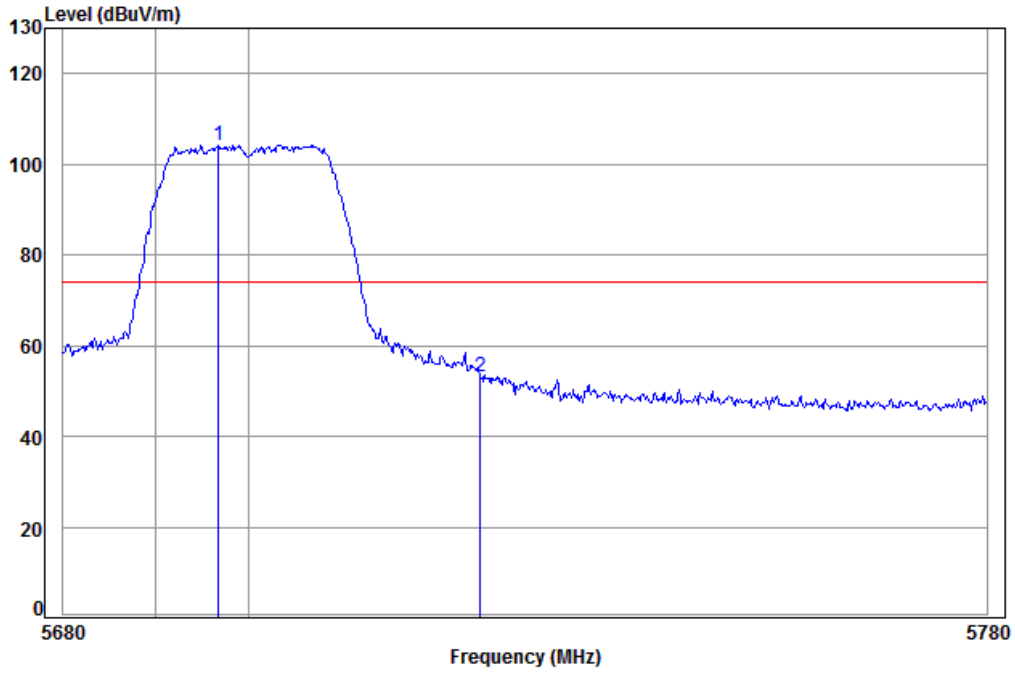
Test mode:	802.11 n20	Frequency(MHz):	5700	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5696.68	8.45	34.25	38.91	100.50	104.29	74.00	30.29
2	5725.00	8.48	34.24	38.92	49.44	53.24	74.00	-20.76

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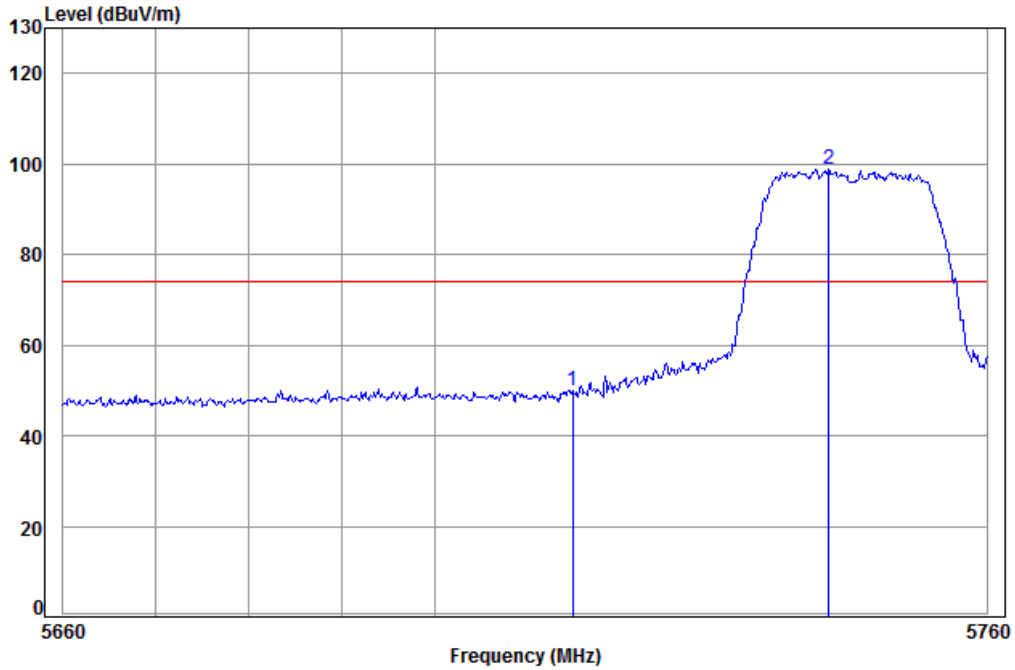
Test mode:	802.11 n20	Frequency(MHz):	5745	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	46.18	49.98	74.00	-24.02
2 pp	5742.78	8.50	34.23	38.92	95.02	98.83	74.00	24.83

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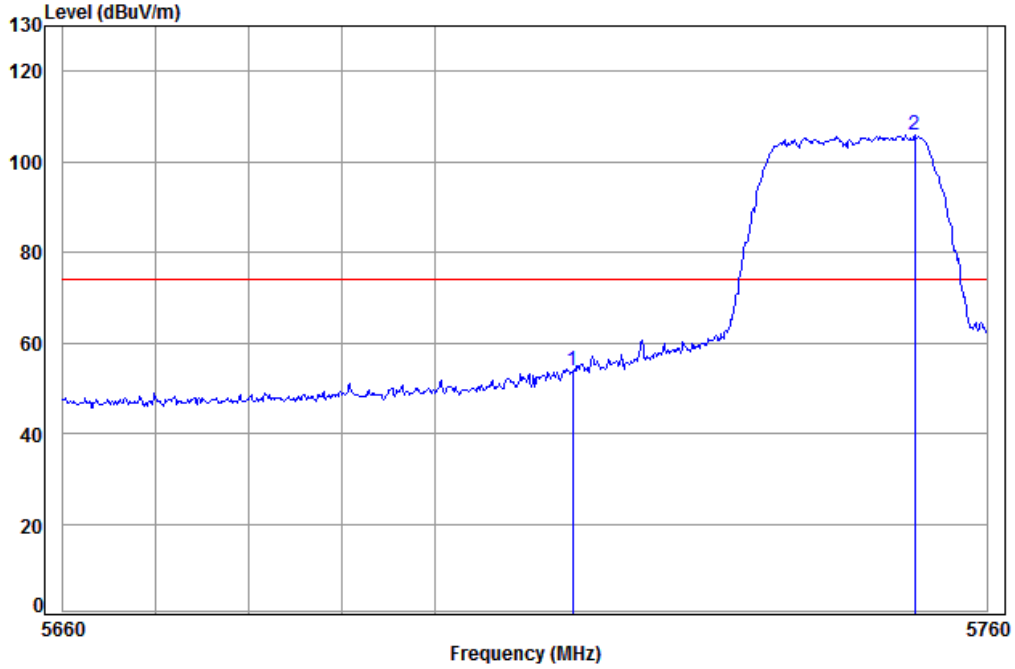
Test mode:	802.11 n20	Frequency(MHz):	5745	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	49.97	53.77	74.00	-20.23
2 pp	5752.14	8.51	34.22	38.92	102.00	105.81	74.00	31.81

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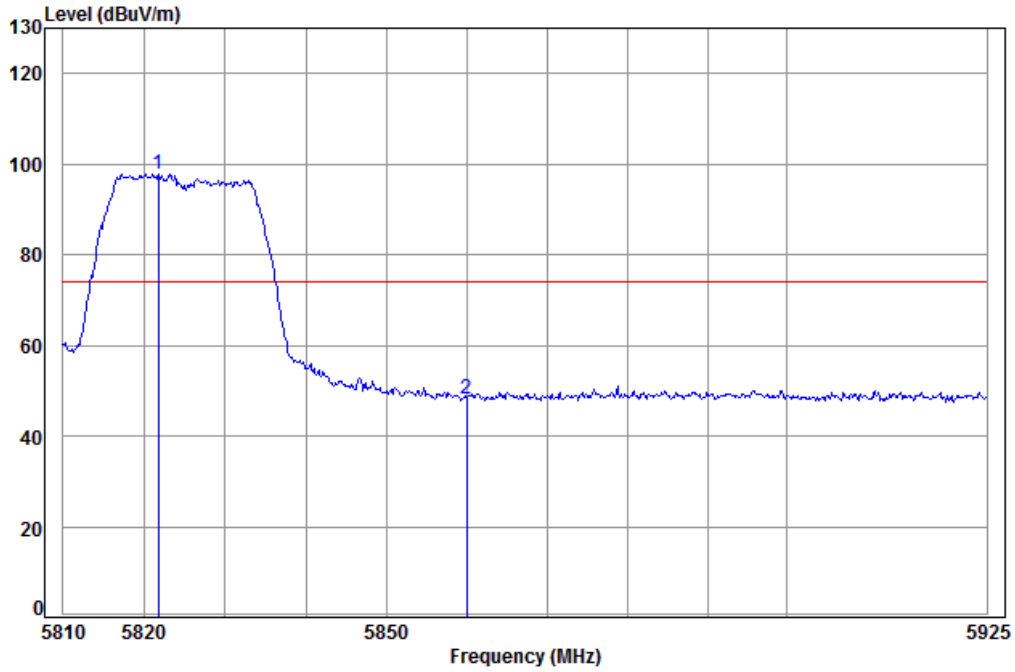
Test mode:	802.11 n20	Frequency(MHz):	5825	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5821.74	8.58	34.26	38.93	94.02	97.93	74.00	23.93
2	5860.00	8.61	34.35	38.94	44.20	48.22	74.00	-25.78

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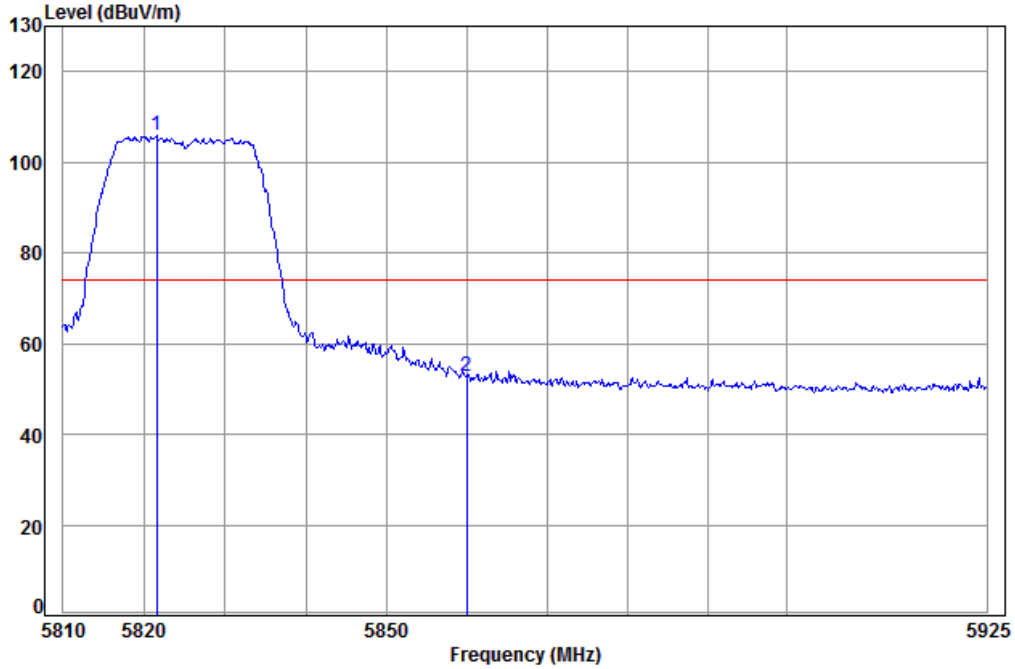
Test mode:	802.11 n20	Frequency(MHz):	5825	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5821.51	8.58	34.25	38.93	101.85	105.75	74.00	31.75
2	5860.00	8.61	34.35	38.94	48.84	52.86	74.00	-21.14

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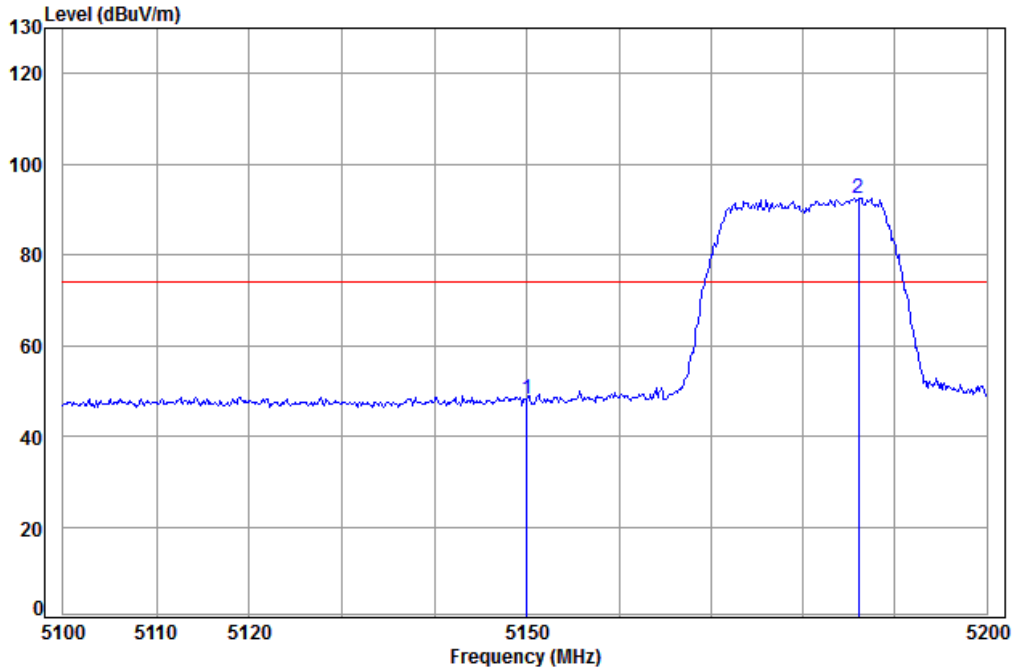
Test mode:	802.11 ac20	Frequency(MHz):	5180	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5180 Band edge
: AC20

	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	44.98	48.31	74.00	-25.69
2 pp	5185.98	8.10	34.02	38.82	89.32	92.62	74.00	18.62

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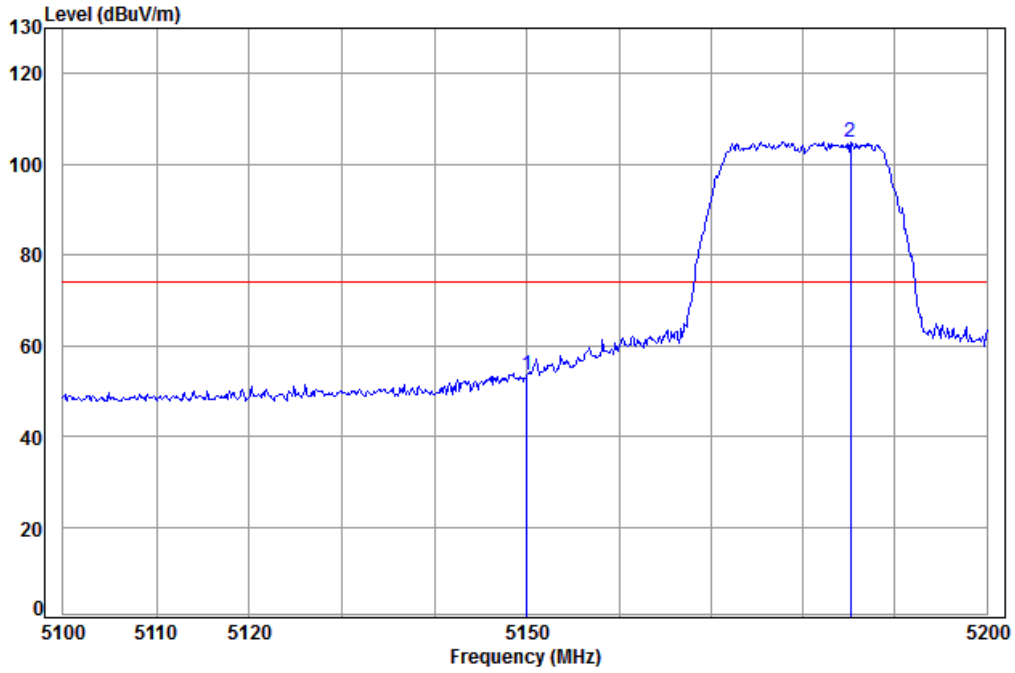
Test mode:	802.11 ac20	Frequency(MHz):	5180	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5180 Band edge
: AC20

	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	50.13	53.46	74.00	-20.54
2 pp	5185.18	8.10	34.02	38.82	101.64	104.94	74.00	30.94

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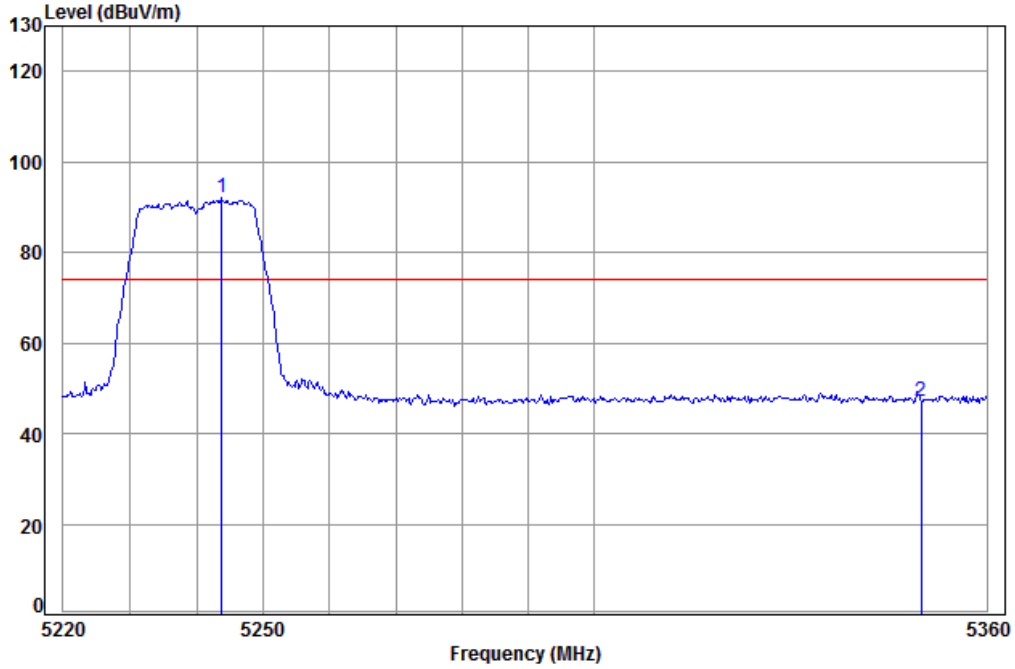
Test mode:	802.11 ac20	Frequency(MHz):	5240	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5240 Band edge
: AC20

	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	5243.82	8.12	34.09	38.83	88.76	92.14	74.00	18.14
2	5350.00	8.18	34.30	38.85	43.42	47.05	74.00	-26.95

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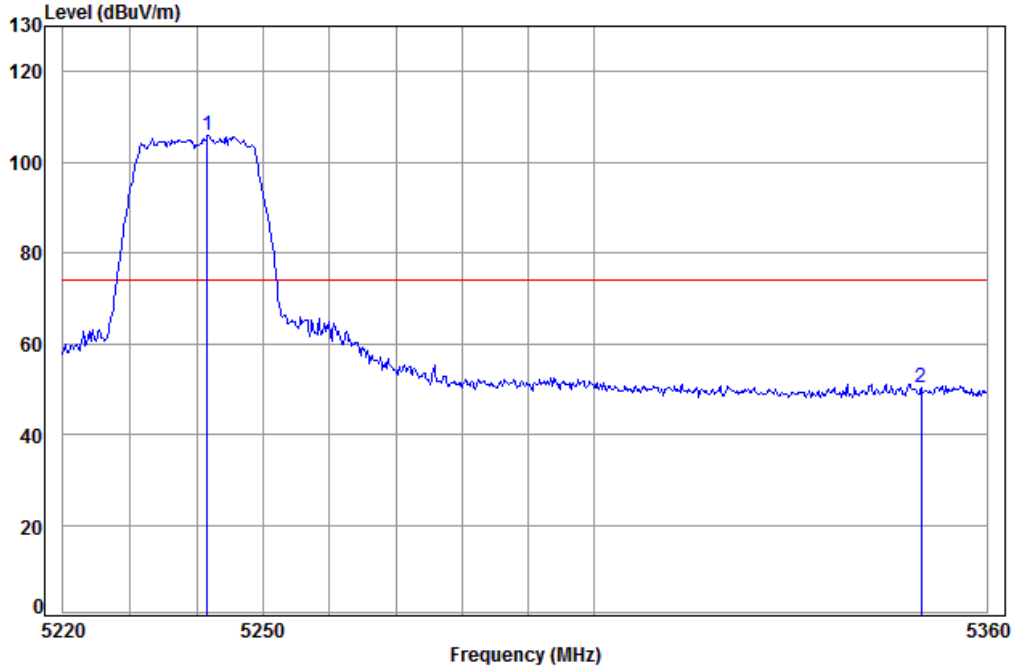
Test mode:	802.11 ac20	Frequency(MHz):	5240	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5240 Band edge
: AC20

	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	102.42	105.79	74.00	31.79
2	5350.00	8.18	34.30	38.85	46.57	50.20	74.00	-23.80

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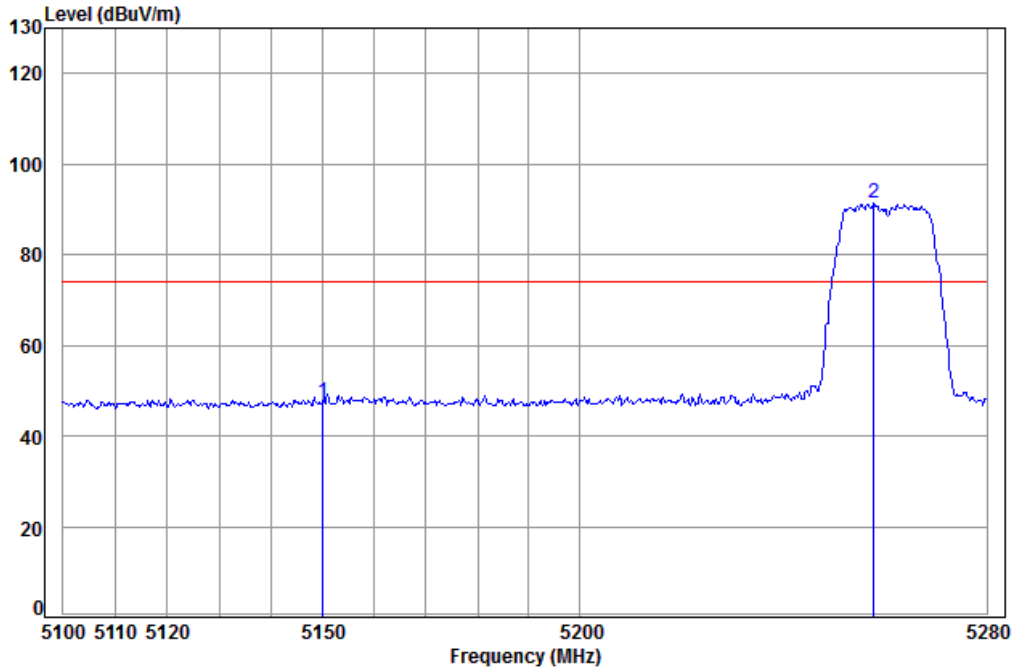
Test mode:	802.11 ac20	Frequency(MHz):	5260	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5260 Band edge
: AC20

	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	44.31	47.64	74.00	-26.36
2 pp	5257.70	8.13	34.12	38.84	88.10	91.51	74.00	17.51

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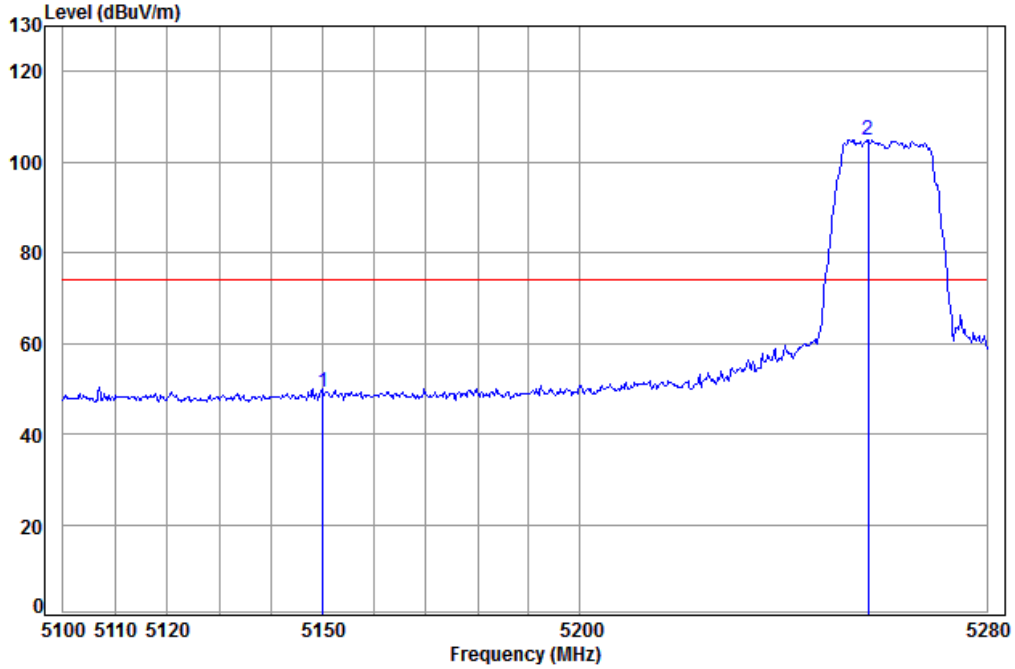
Test mode:	802.11 ac20	Frequency(MHz):	5260	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5260 Band edge
: AC20

	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	45.92	49.25	74.00	-24.75
2 pp	5256.61	8.13	34.11	38.84	101.57	104.97	74.00	30.97

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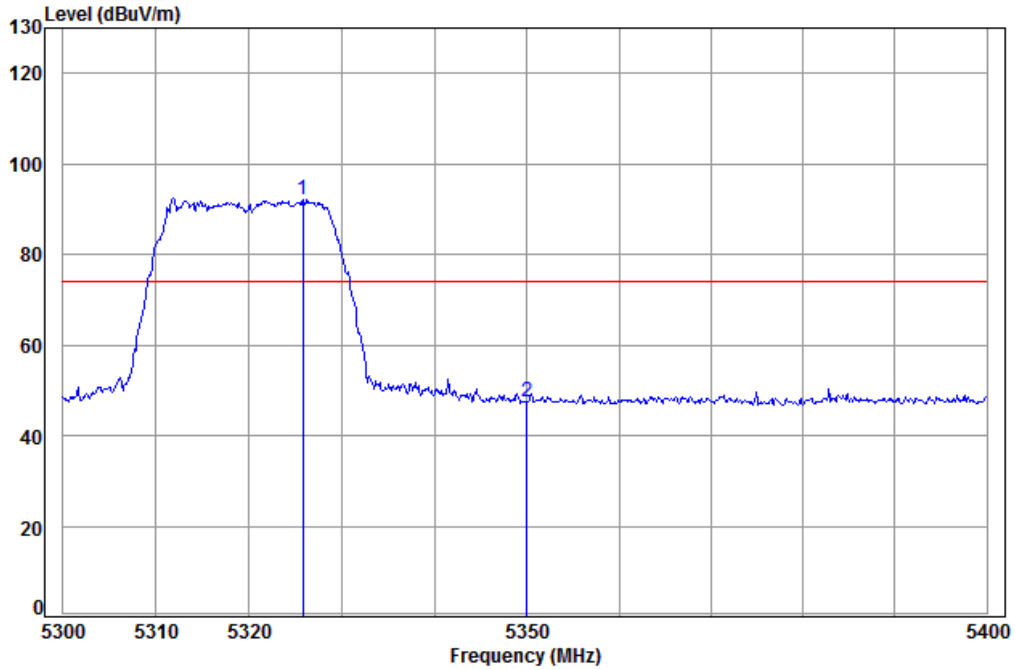
Test mode:	802.11 ac20	Frequency(MHz):	5320	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5320 Band edge
: AC20

	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	5325.82	8.17	34.25	38.85	88.41	91.98	74.00	17.98
2	5350.00	8.18	34.30	38.85	43.86	47.49	74.00	-26.51

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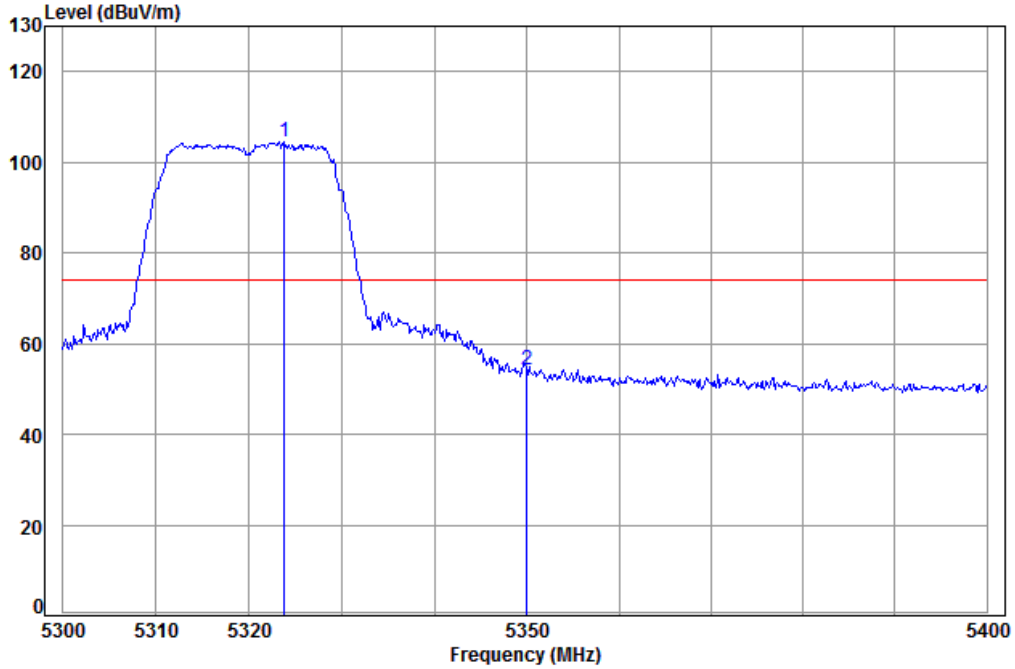
Test mode:	802.11 ac20	Frequency(MHz):	5320	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5320 Band edge
: AC20

	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	5323.83	8.16	34.25	38.85	100.96	104.52	74.00	30.52
2	5350.00	8.18	34.30	38.85	50.39	54.02	74.00	-19.98

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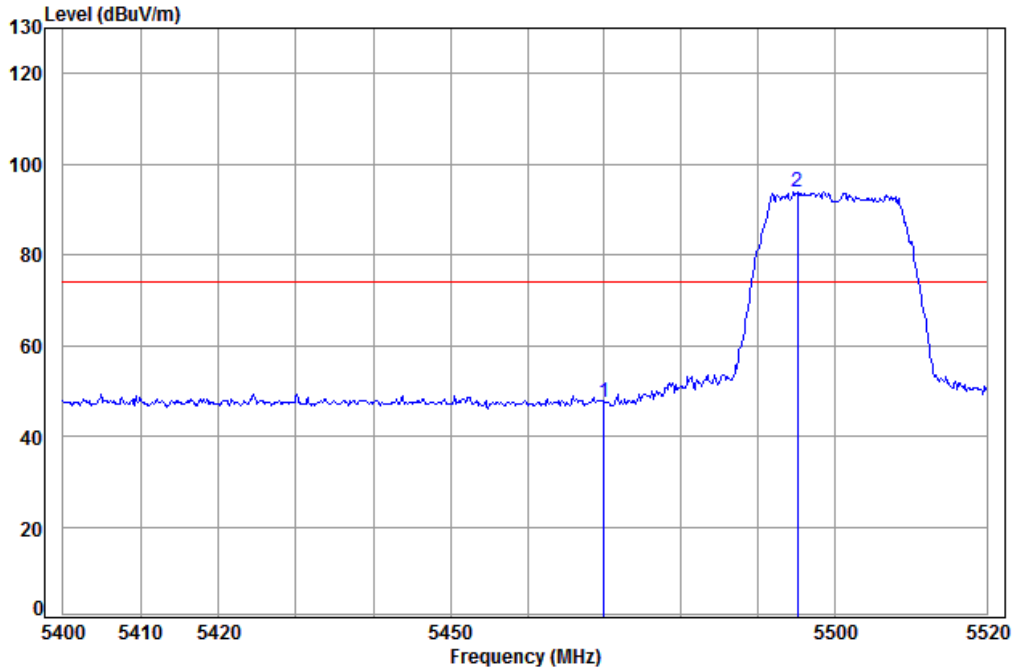
Test mode:	802.11 ac20	Frequency(MHz):	5500	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5500 Band edge
: AC20

	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	43.78	47.51	74.00	-26.49
2 pp	5495.19	8.25	34.35	38.88	90.25	93.97	74.00	19.97

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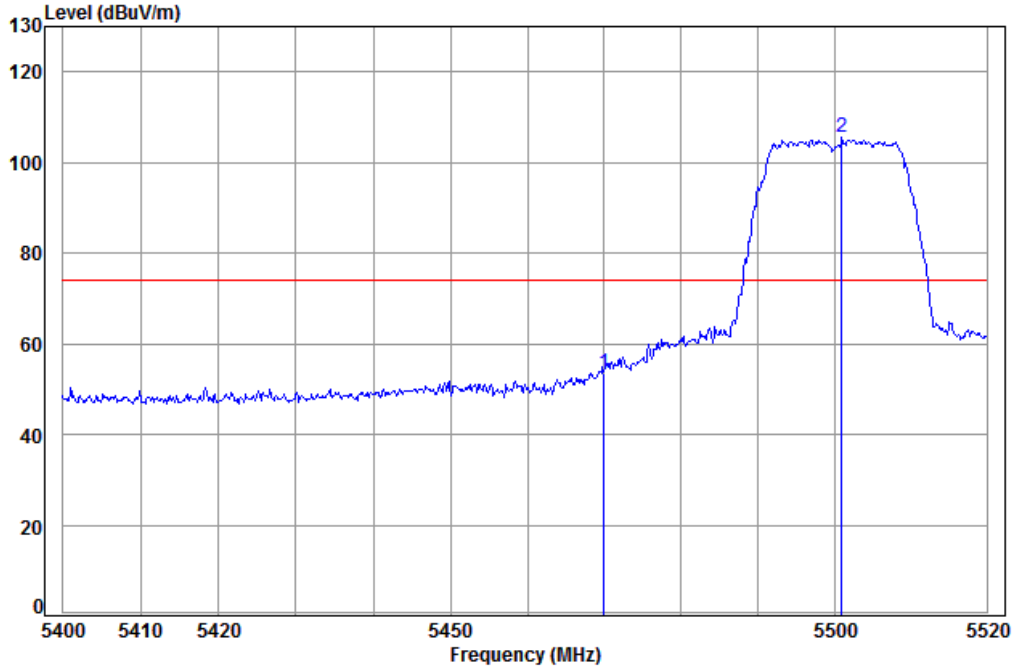
Test mode:	802.11 ac20	Frequency(MHz):	5500	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5500 Band edge
: AC20

	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	49.91	53.64	74.00	-20.36
2 pp	5500.99	8.25	34.35	38.88	101.72	105.44	74.00	31.44

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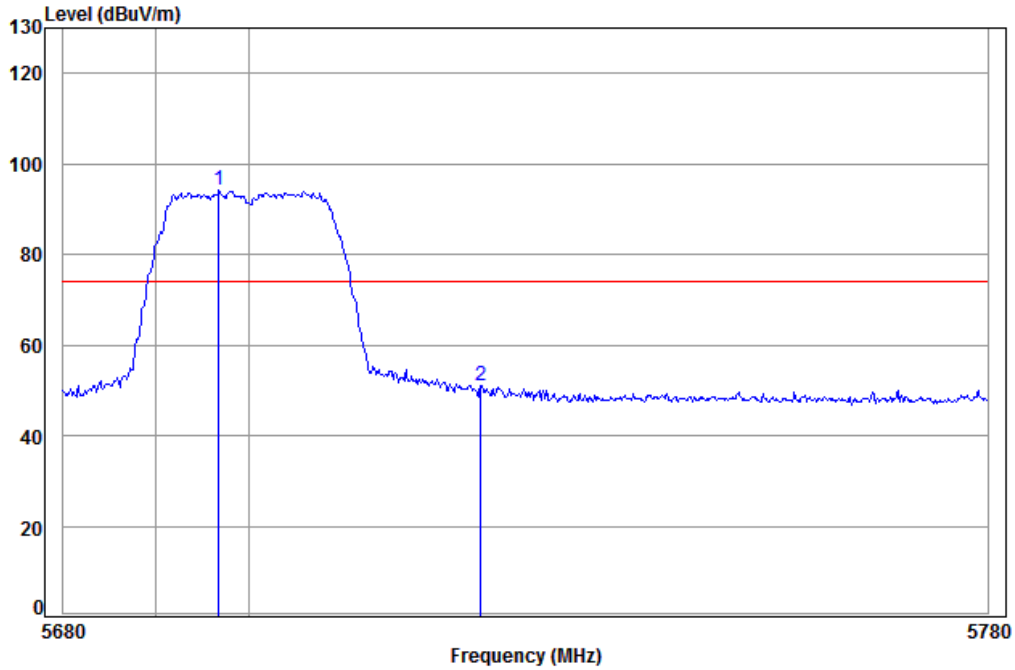
Test mode:	802.11 ac20	Frequency(MHz):	5700	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5700 Band edge
: AC20

	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	5696.68	8.45	34.25	38.91	90.29	94.08	74.00	20.08
2	5725.00	8.48	34.24	38.92	47.21	51.01	74.00	-22.99

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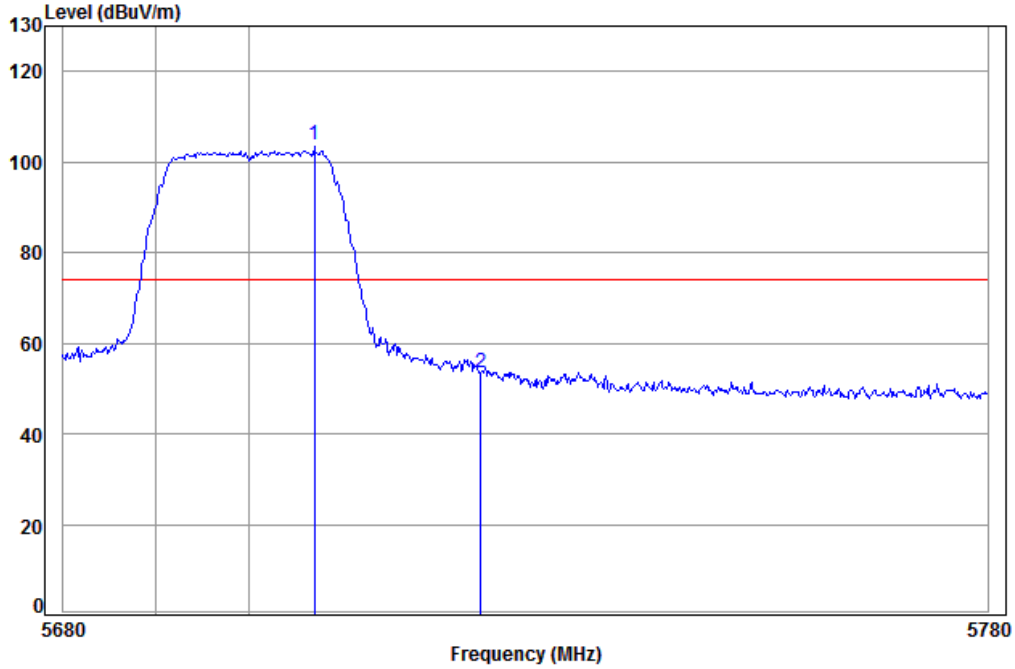
Test mode:	802.11 ac20	Frequency(MHz):	5700	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5700 Band edge
: AC20

	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	5707.03	8.46	34.25	38.91	99.81	103.61	74.00	29.61
2	5725.00	8.48	34.24	38.92	49.85	53.65	74.00	-20.35

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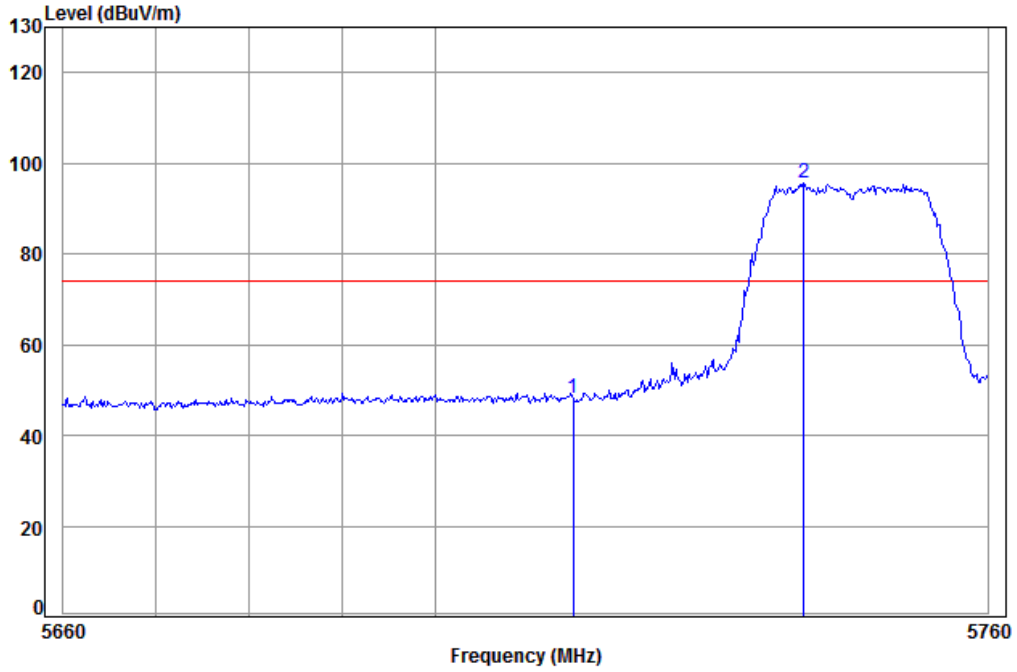

Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5745 Band edge
: AC20

	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	44.27	48.07	74.00	-25.93
2 pp	5739.96	8.50	34.23	38.92	91.84	95.65	74.00	21.65

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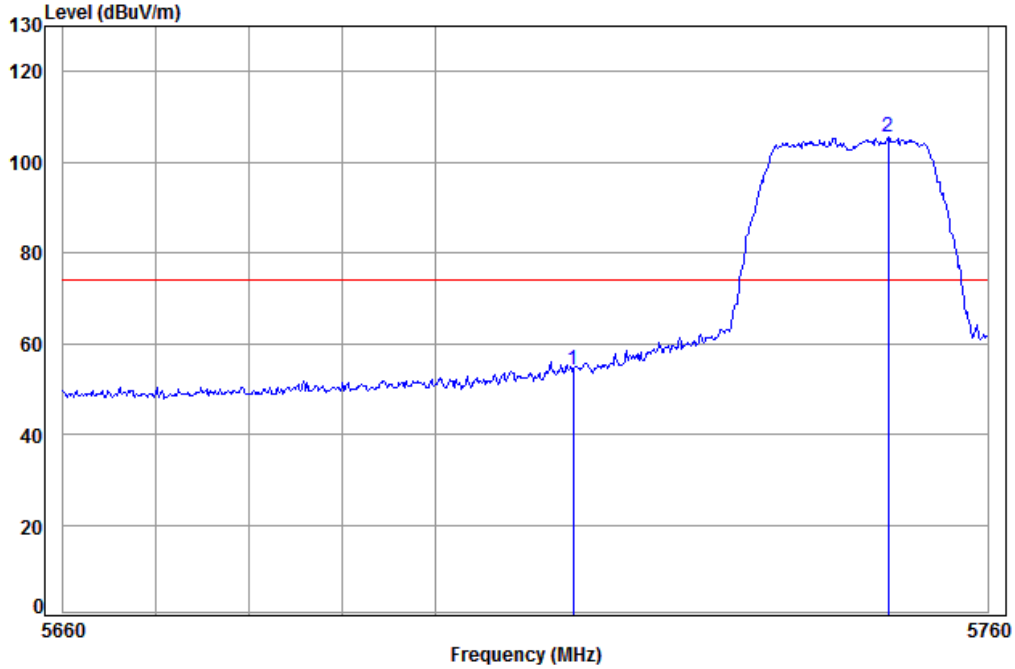
Test mode:	802.11 ac20	Frequency(MHz):	5745	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5745 Band edge
: AC20

	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	50.51	54.31	74.00	-19.69
2 pp	5749.22	8.50	34.23	38.92	101.67	105.48	74.00	31.48

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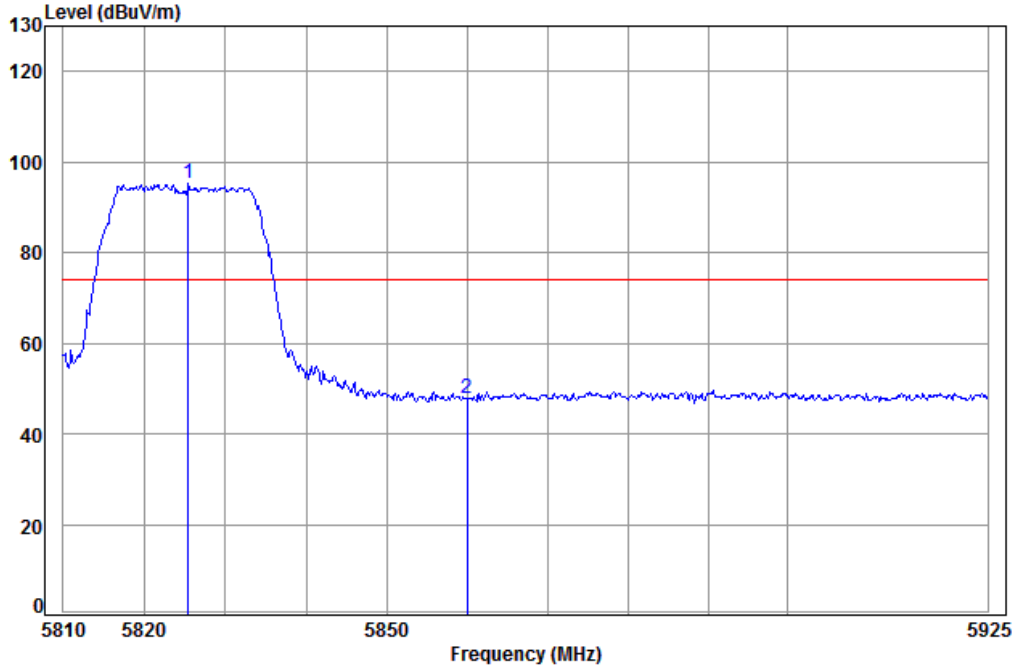
Test mode:	802.11 ac20	Frequency(MHz):	5825	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5825 Band edge
: AC20

	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	5825.39	8.58	34.26	38.93	91.43	95.34	74.00	21.34
2	5860.00	8.61	34.35	38.94	43.70	47.72	74.00	-26.28

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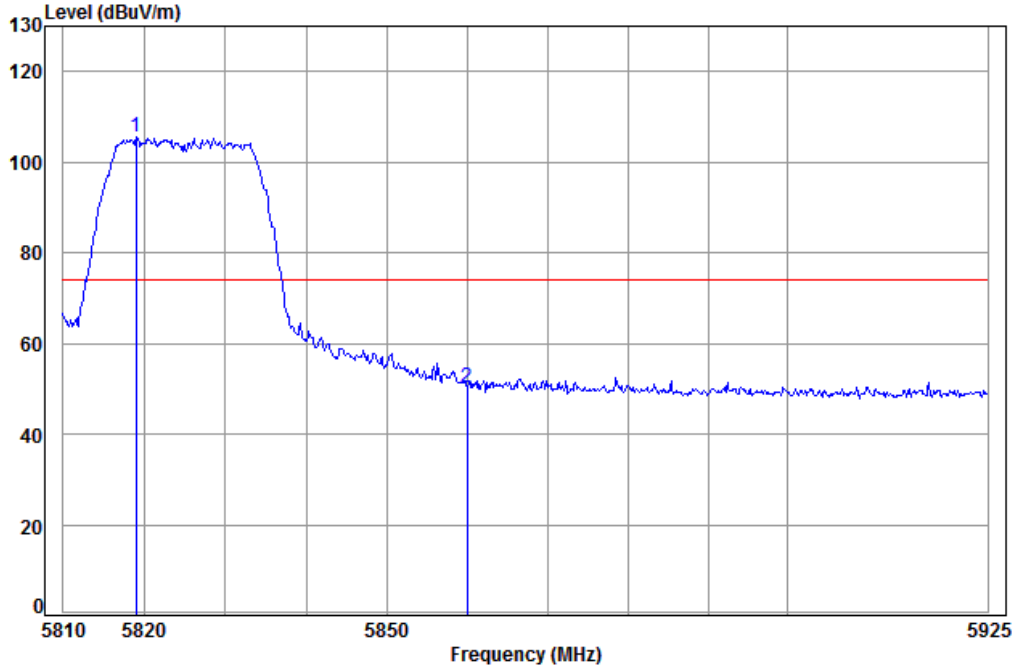
Test mode:	802.11 ac20	Frequency(MHz):	5825	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5825 Band edge
: AC20

	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	5819.00	8.57	34.25	38.93	101.50	105.39	74.00	31.39
2	5860.00	8.61	34.35	38.94	46.30	50.32	74.00	-23.68

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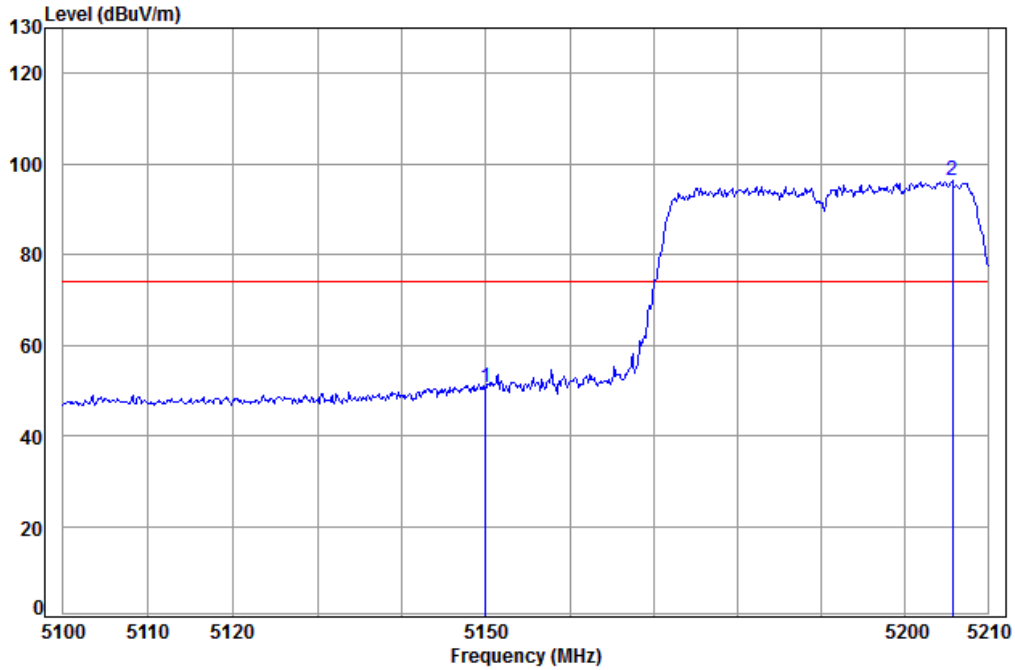
Test mode:	802.11 n40	Frequency(MHz):	5190	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	47.19	50.52	74.00	-23.48
2 pp	5205.78	8.11	34.01	38.83	92.92	96.21	74.00	22.21

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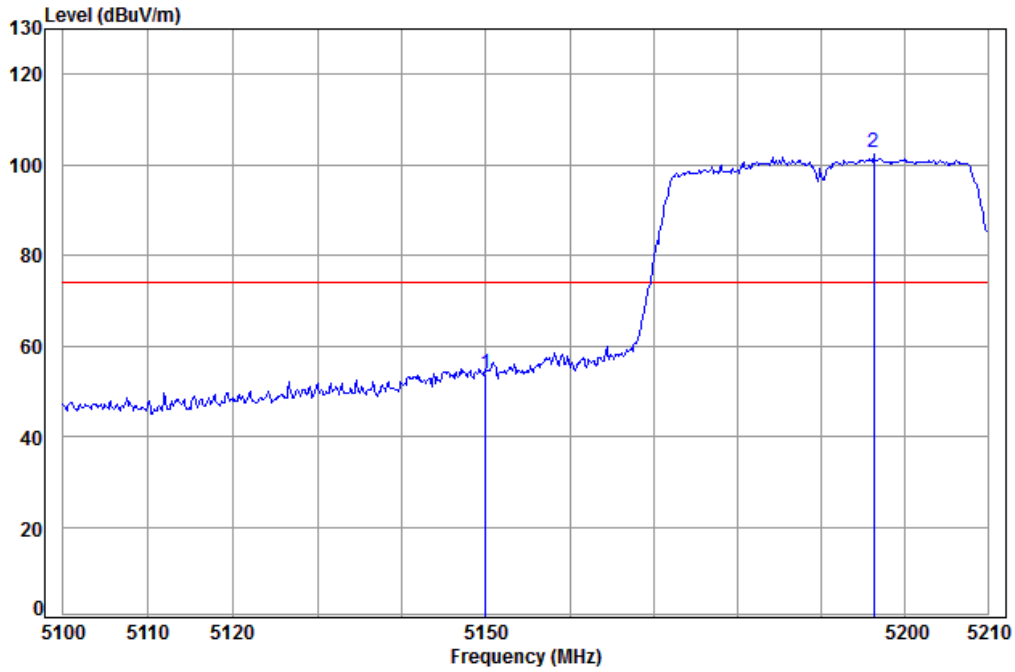
Test mode:	802.11 n40	Frequency(MHz):	5190	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	50.34	53.67	74.00	-20.33
2 pp	5196.34	8.10	34.01	38.83	99.31	102.59	74.00	28.59

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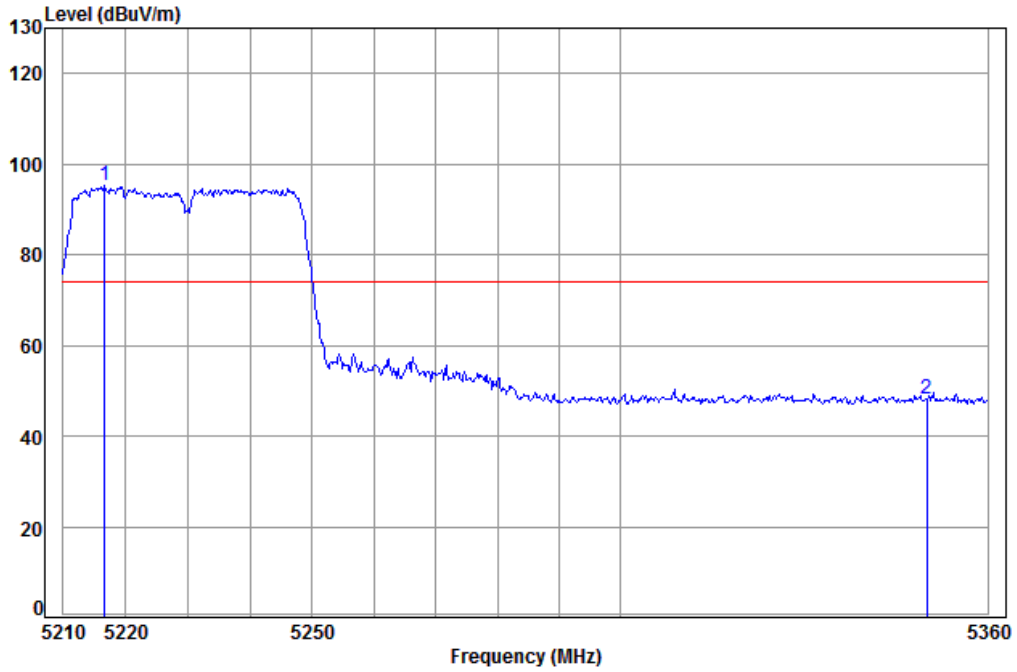
Test mode:	802.11 n40	Frequency(MHz):	5230	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5216.66	8.11	34.03	38.83	91.89	95.20	74.00	21.20
2	5350.00	8.18	34.30	38.85	44.42	48.05	74.00	-25.95

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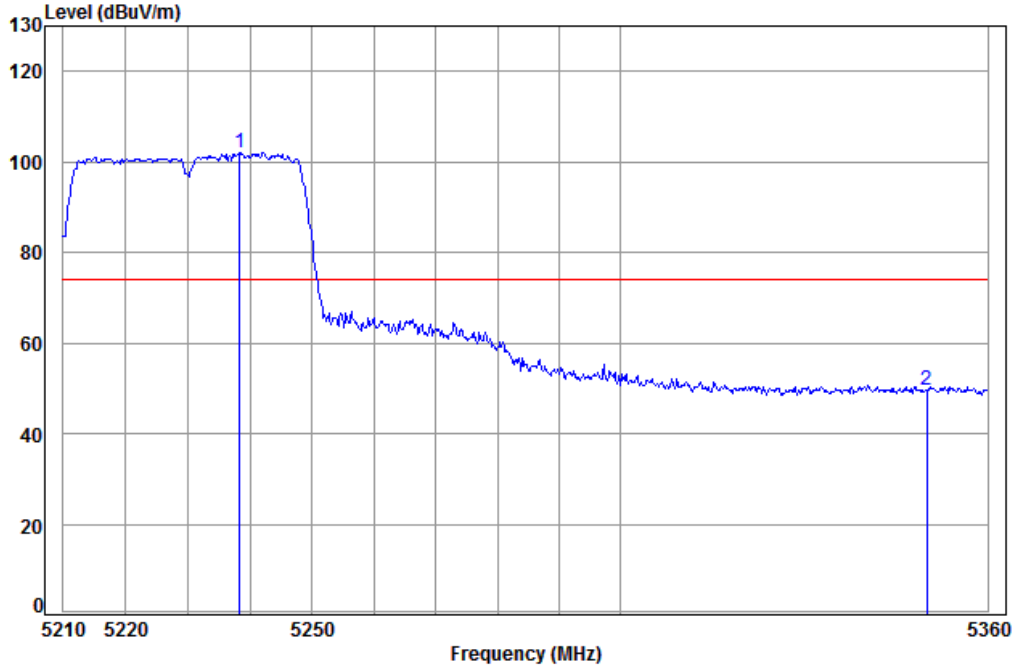
Test mode:	802.11 n40	Frequency(MHz):	5230	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5238.32	8.12	34.08	38.83	98.74	102.11	74.00	28.11
2	5350.00	8.18	34.30	38.85	45.85	49.48	74.00	-24.52

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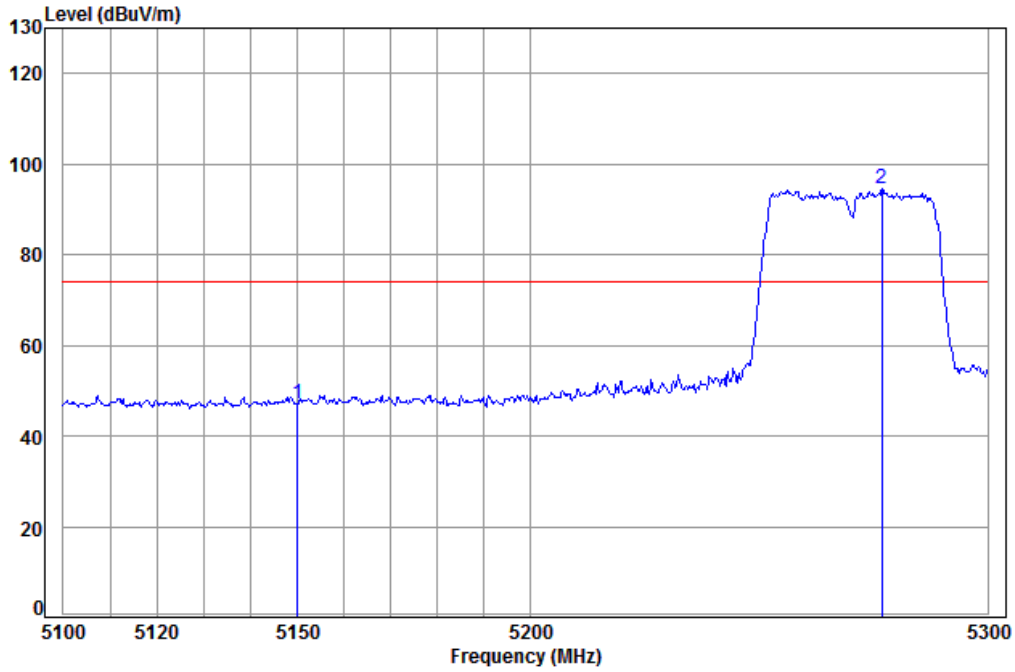
Test mode:	802.11 n40	Frequency(MHz):	5270	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	43.85	47.18	74.00	-26.82
2 pp	5276.81	8.14	34.16	38.84	91.17	94.63	74.00	20.63

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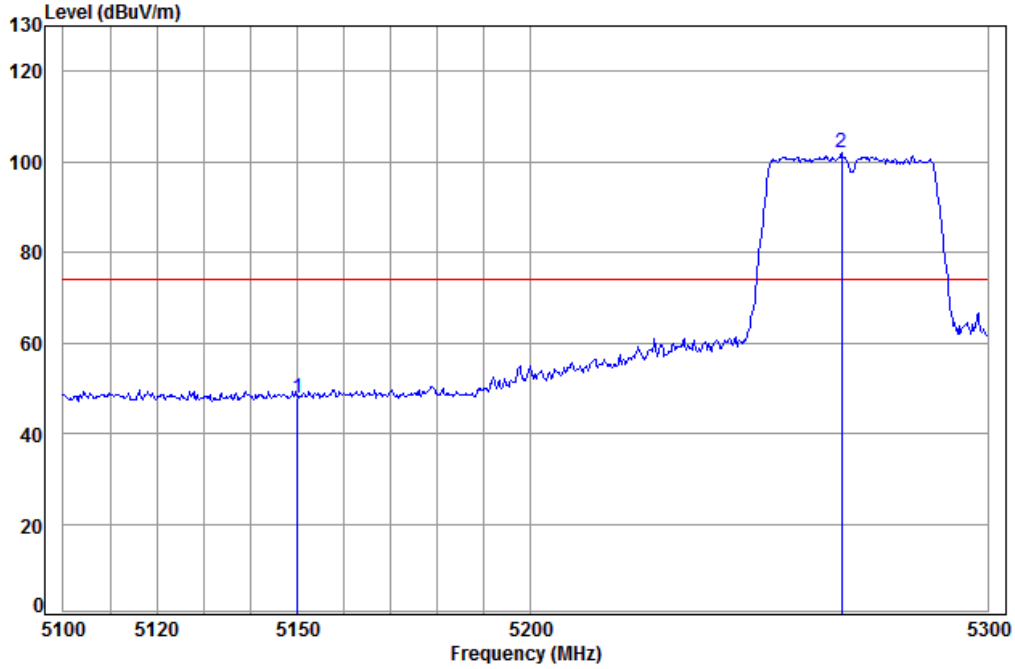
Test mode:	802.11 n40	Frequency(MHz):	5270	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	44.57	47.90	74.00	-26.10
2 pp	5267.89	8.14	34.14	38.84	98.57	102.01	74.00	28.01

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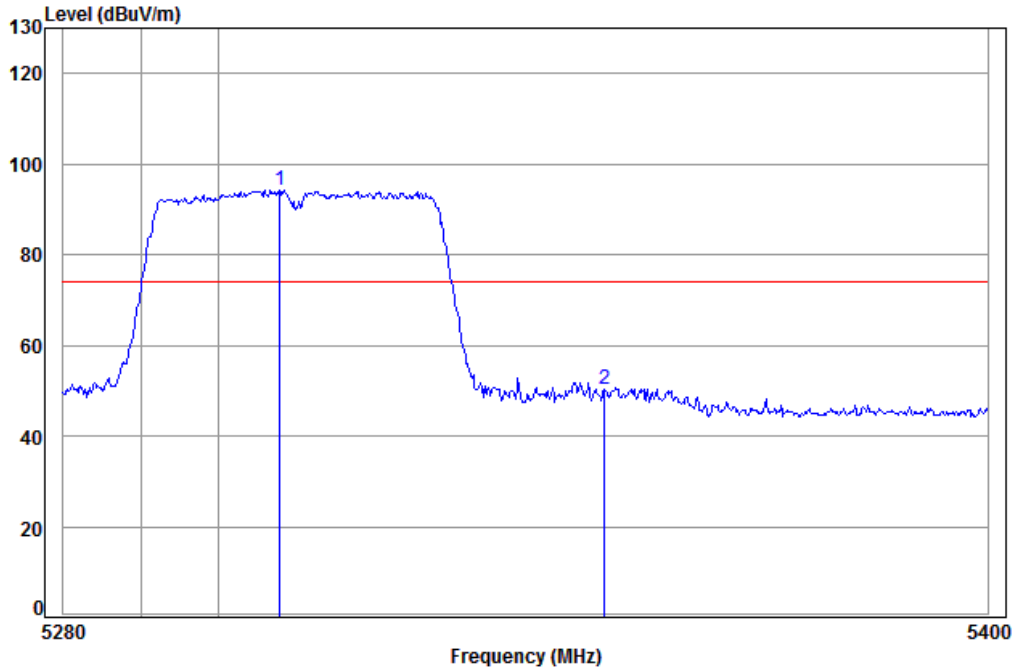
Test mode:	802.11 n40	Frequency(MHz):	5310	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5307.84	8.16	34.22	38.85	90.85	94.38	74.00	20.38
2	5350.00	8.18	34.30	38.85	46.77	50.40	74.00	-23.60

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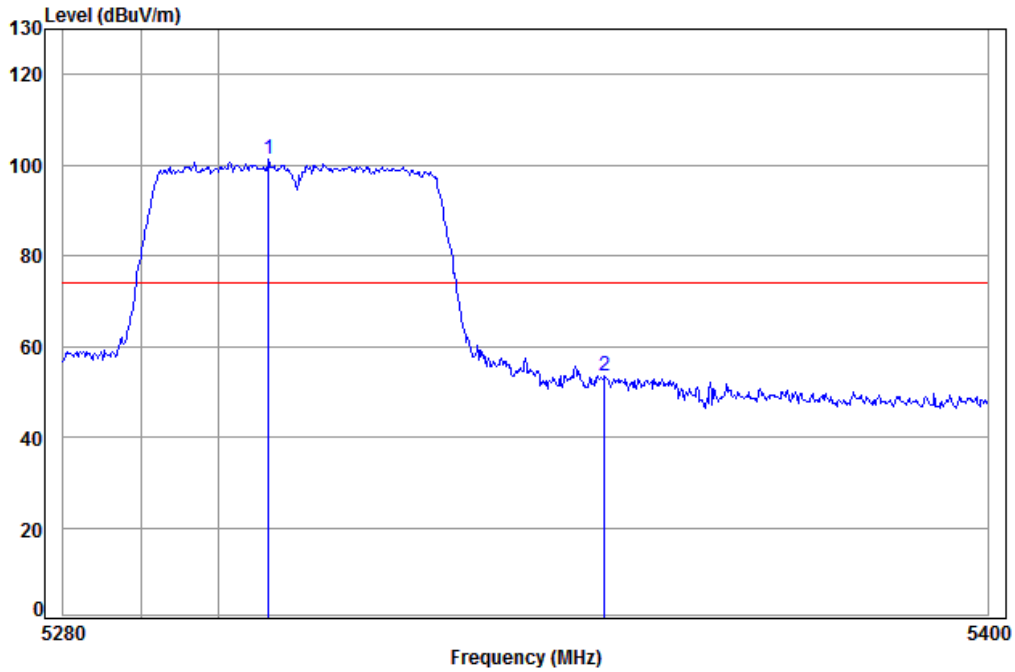
Test mode:	802.11 n40	Frequency(MHz):	5310	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5306.41	8.16	34.21	38.85	97.96	101.48	74.00	27.48
2	5350.00	8.18	34.30	38.85	49.80	53.43	74.00	-20.57

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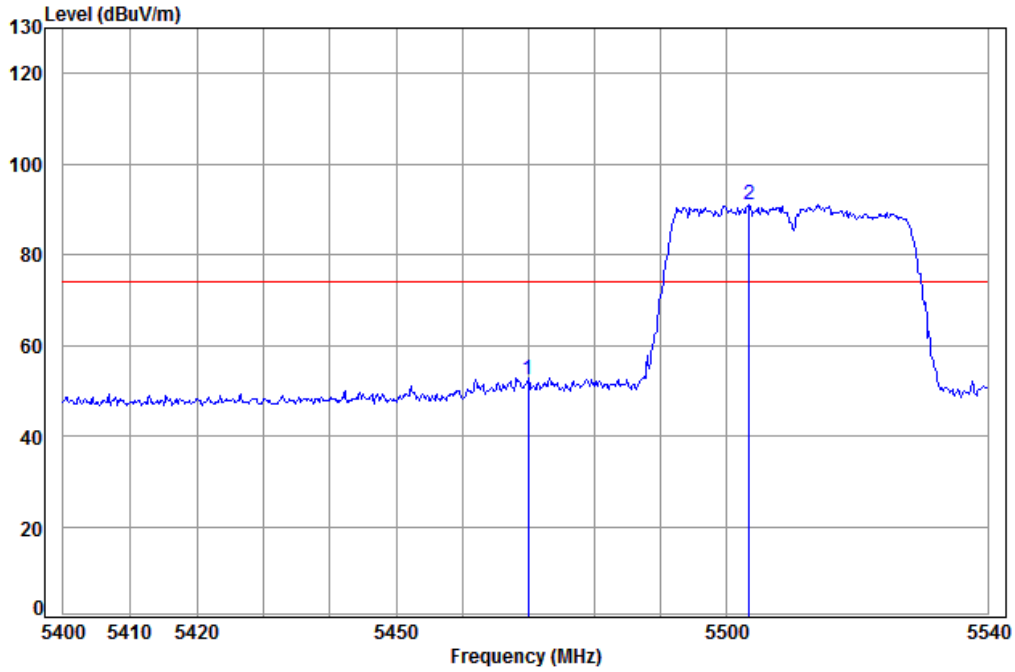
Test mode:	802.11 n40	Frequency(MHz):	5510	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	48.64	52.37	74.00	-21.63
2 pp	5503.54	8.25	34.35	38.88	87.35	91.07	74.00	17.07

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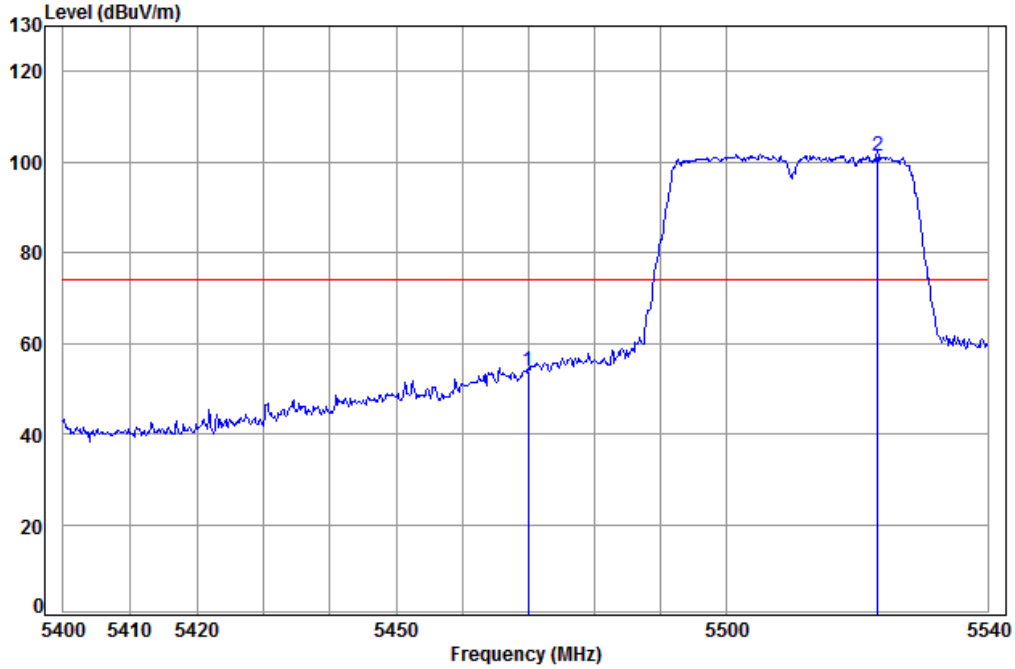
Test mode:	802.11 n40	Frequency(MHz):	5510	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	50.08	53.81	74.00	-20.19
2 pp	5523.15	8.27	34.34	38.88	97.74	101.47	74.00	27.47

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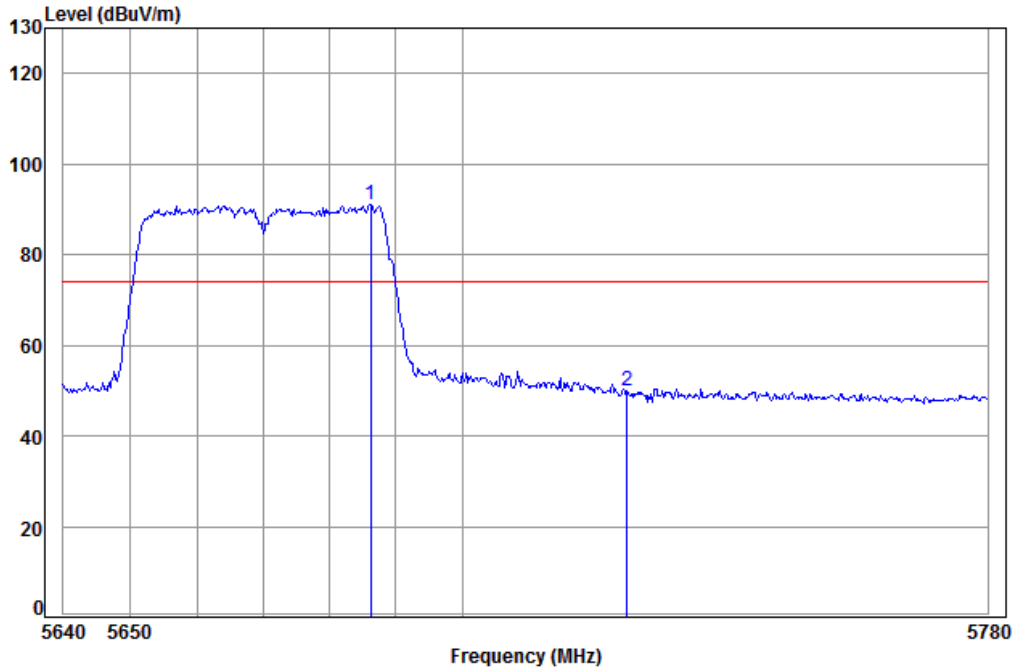
Test mode:	802.11 n40	Frequency(MHz):	5670	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5686.24	8.44	34.26	38.91	87.22	91.01	74.00	17.01
2	5725.00	8.48	34.24	38.92	46.16	49.96	74.00	-24.04

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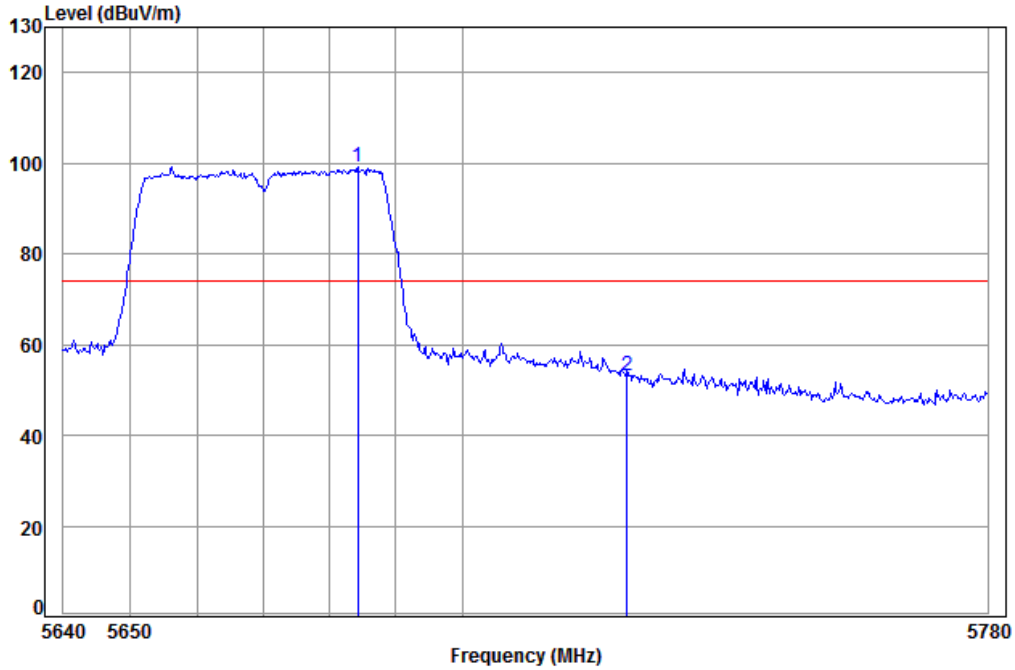
Test mode:	802.11 n40	Frequency(MHz):	5670	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5684.29	8.44	34.26	38.91	95.36	99.15	74.00	25.15
2	5725.00	8.48	34.24	38.92	49.46	53.26	74.00	-20.74

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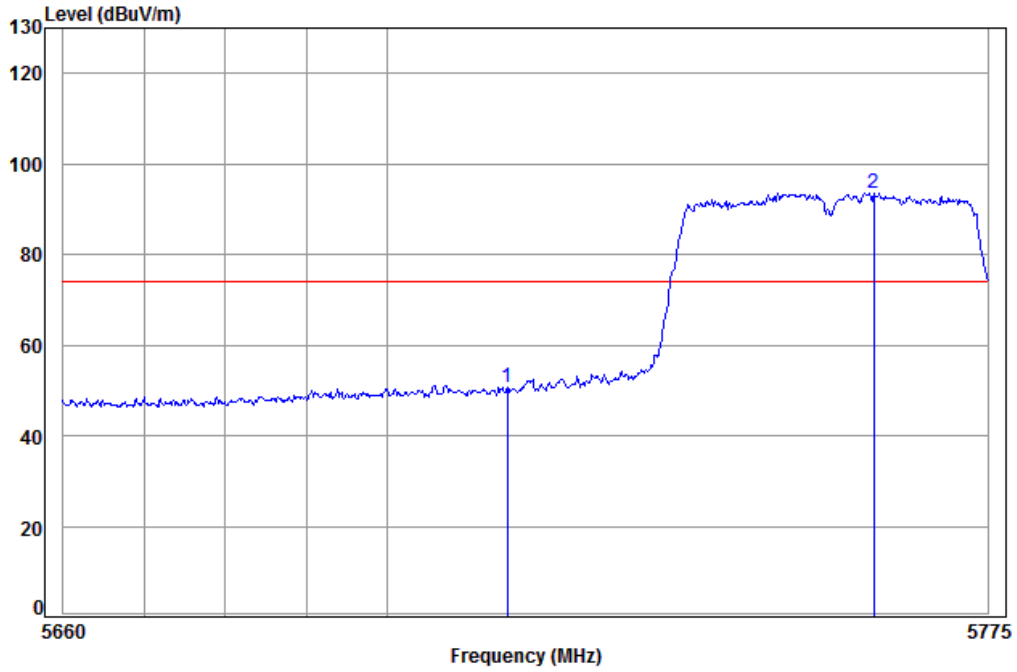
Test mode:	802.11 n40	Frequency(MHz):	5755	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	47.00	50.80	74.00	-23.20
2 pp	5760.73	8.52	34.22	38.92	89.82	93.64	74.00	19.64

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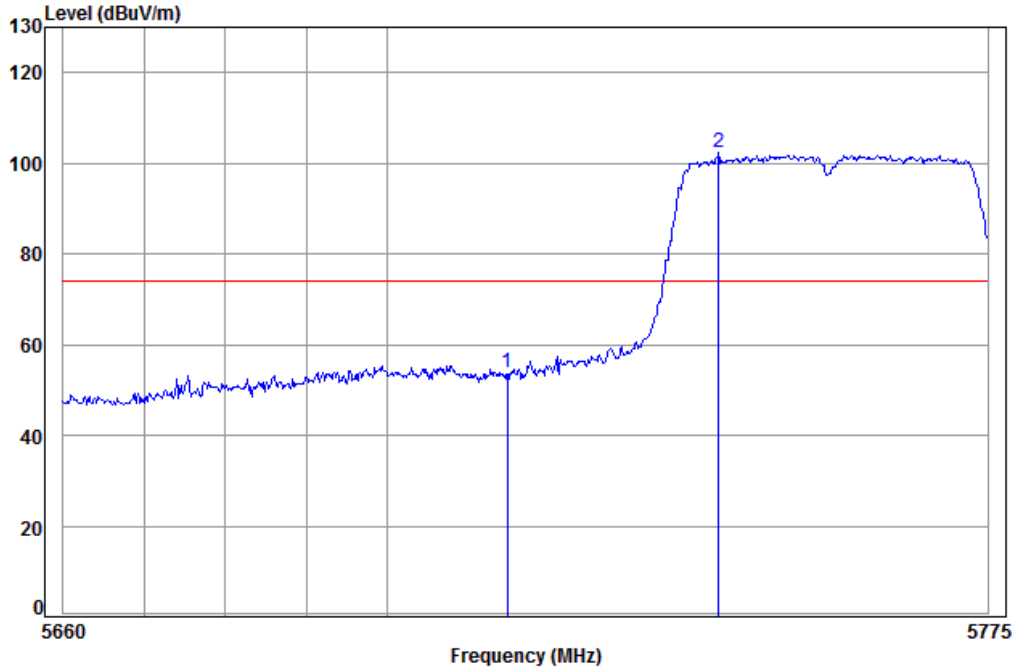
Test mode:	802.11 n40	Frequency(MHz):	5755	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	50.02	53.82	74.00	-20.18
2 pp	5741.30	8.50	34.23	38.92	98.40	102.21	74.00	28.21

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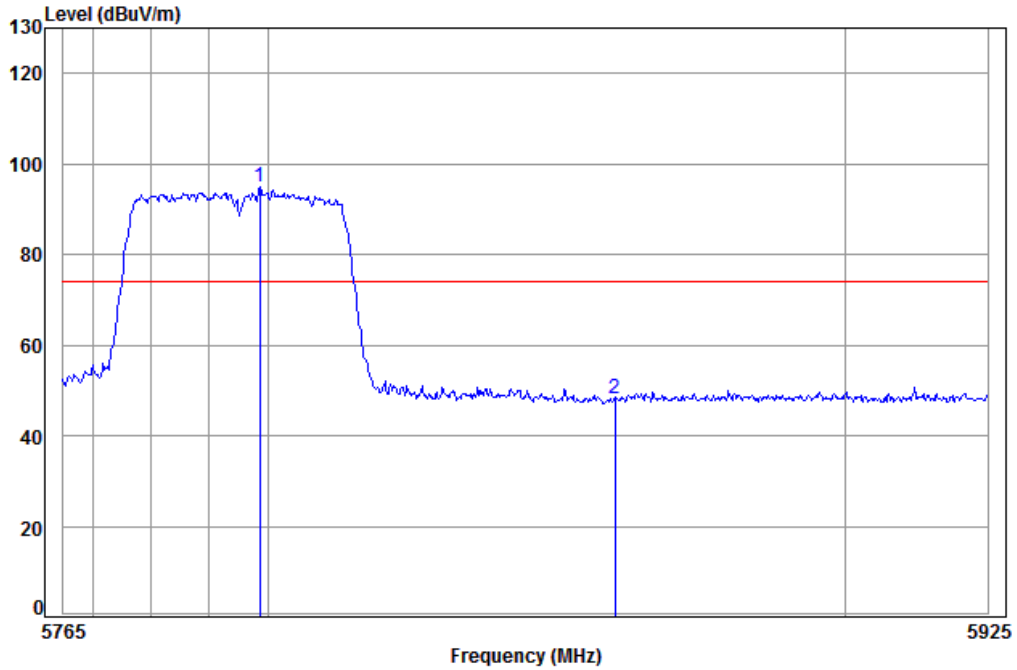
Test mode:	802.11 n40	Frequency(MHz):	5795	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
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	5798.71	8.55	34.20	38.93	91.19	95.01	74.00	21.01
2	5860.00	8.61	34.35	38.94	44.23	48.25	74.00	-25.75

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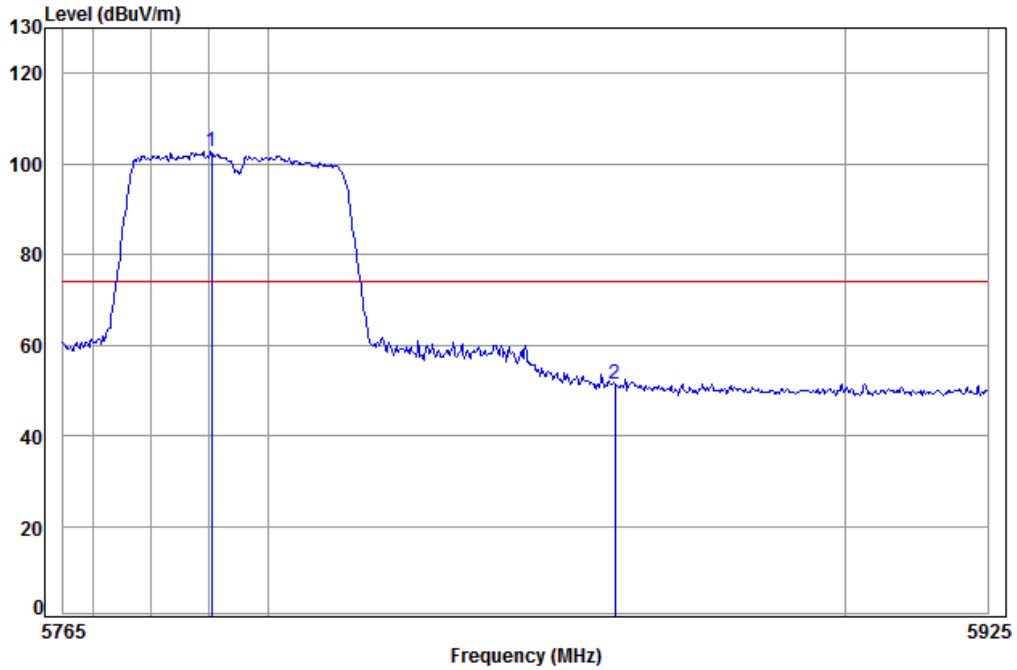
Test mode:	802.11 n40	Frequency(MHz):	5795	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
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	5790.31	8.55	34.20	38.93	98.79	102.61	74.00	28.61
2	5860.00	8.61	34.35	38.94	47.32	51.34	74.00	-22.66

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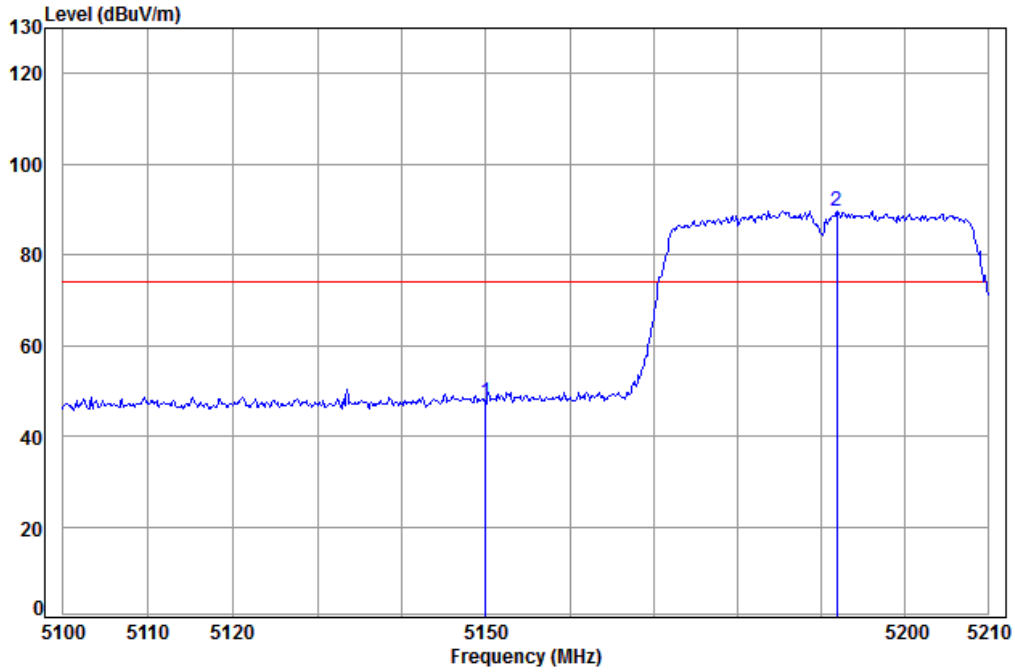
Test mode:	802.11 ac40	Frequency(MHz):	5190	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5190 Band edge
: AC40

	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	44.02	47.35	74.00	-26.65
2 pp	5191.91	8.10	34.01	38.83	86.50	89.78	74.00	15.78

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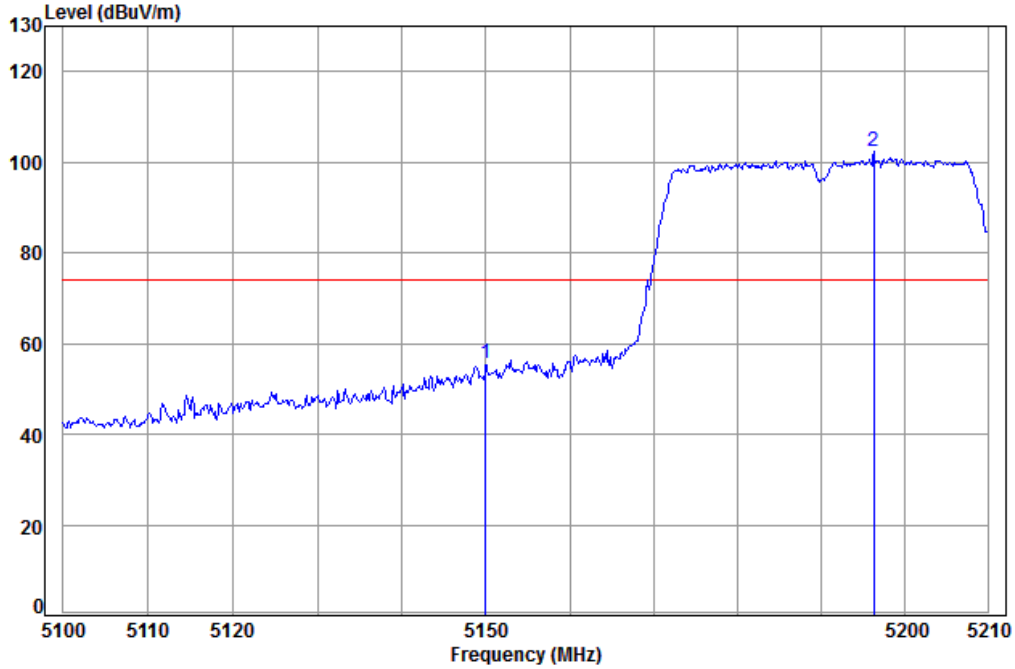
Test mode:	802.11 ac40	Frequency(MHz):	5190	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5190 Band edge
: AC40

	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	52.32	55.65	74.00	-18.35
2 pp	5196.34	8.10	34.01	38.83	99.26	102.54	74.00	28.54

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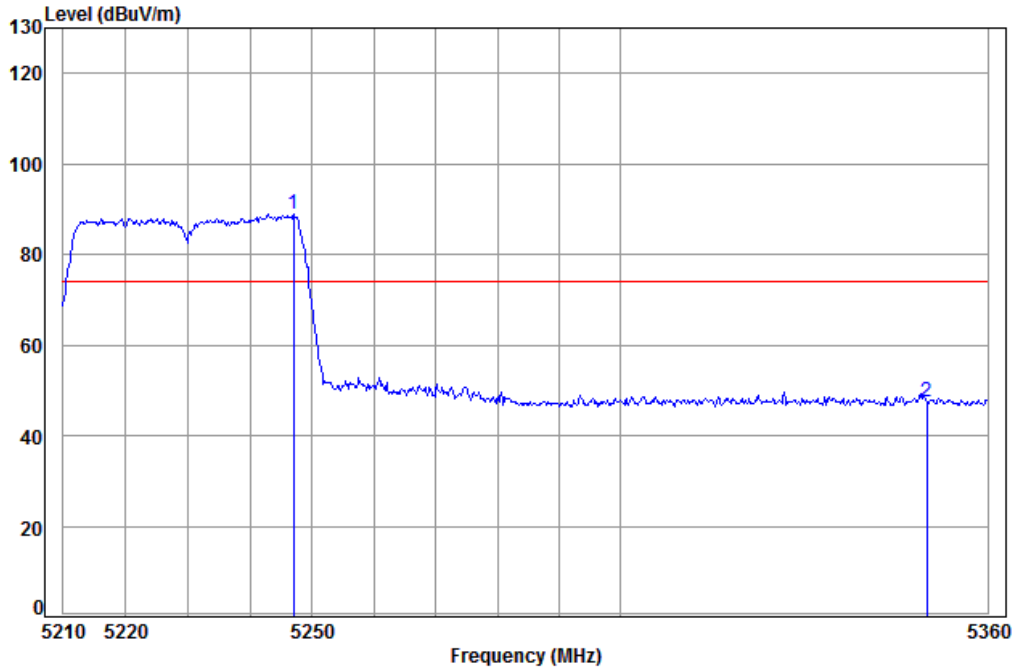
Test mode:	802.11 ac40	Frequency(MHz):	5230	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5230 Band edge
: AC40

	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	5246.95	8.13	34.10	38.83	85.46	88.86	74.00	14.86
2	5350.00	8.18	34.30	38.85	43.95	47.58	74.00	-26.42

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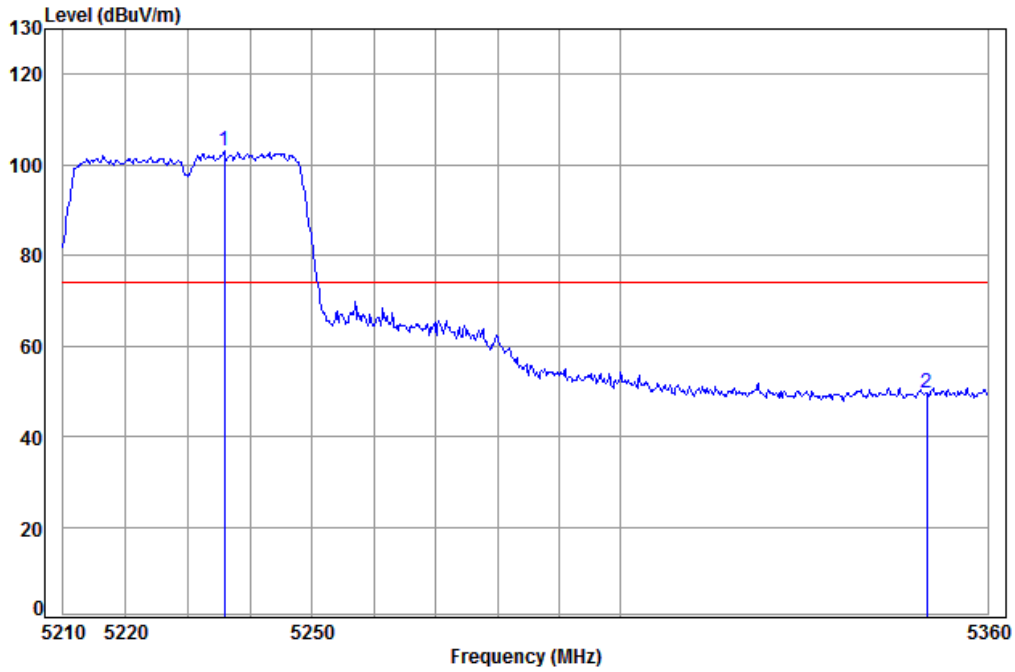
Test mode:	802.11 ac40	Frequency(MHz):	5230	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5230 Band edge
: AC40

	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	5235.80	8.12	34.07	38.83	99.58	102.94	74.00	28.94
2	5350.00	8.18	34.30	38.85	45.87	49.50	74.00	-24.50

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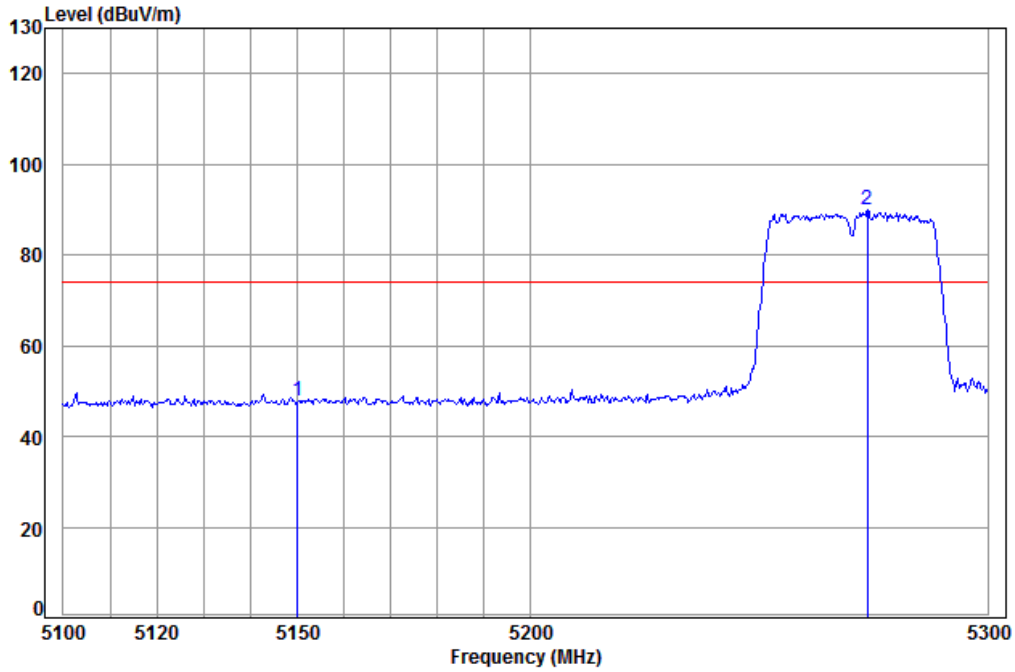
Test mode:	802.11 ac40	Frequency(MHz):	5270	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5270 Band edge
: AC40

	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	44.48	47.81	74.00	-26.19
2 pp	5273.56	8.14	34.15	38.84	86.51	89.96	74.00	15.96

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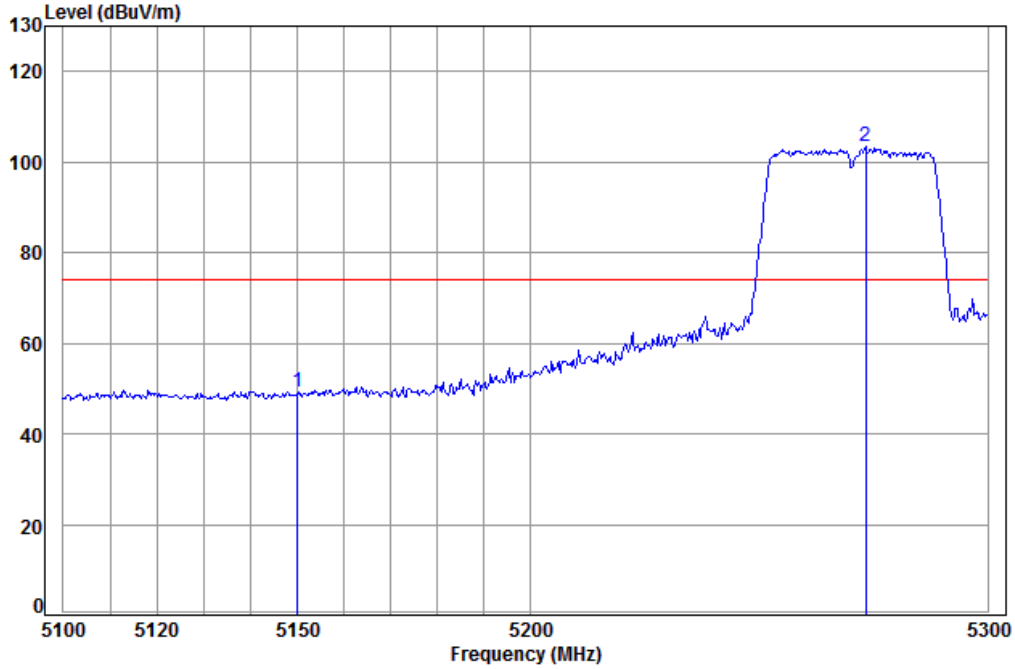
Test mode:	802.11 ac40	Frequency(MHz):	5270	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5270 Band edge
: AC40

	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	45.86	49.19	74.00	-24.81
2 pp	5273.16	8.14	34.15	38.84	99.94	103.39	74.00	29.39

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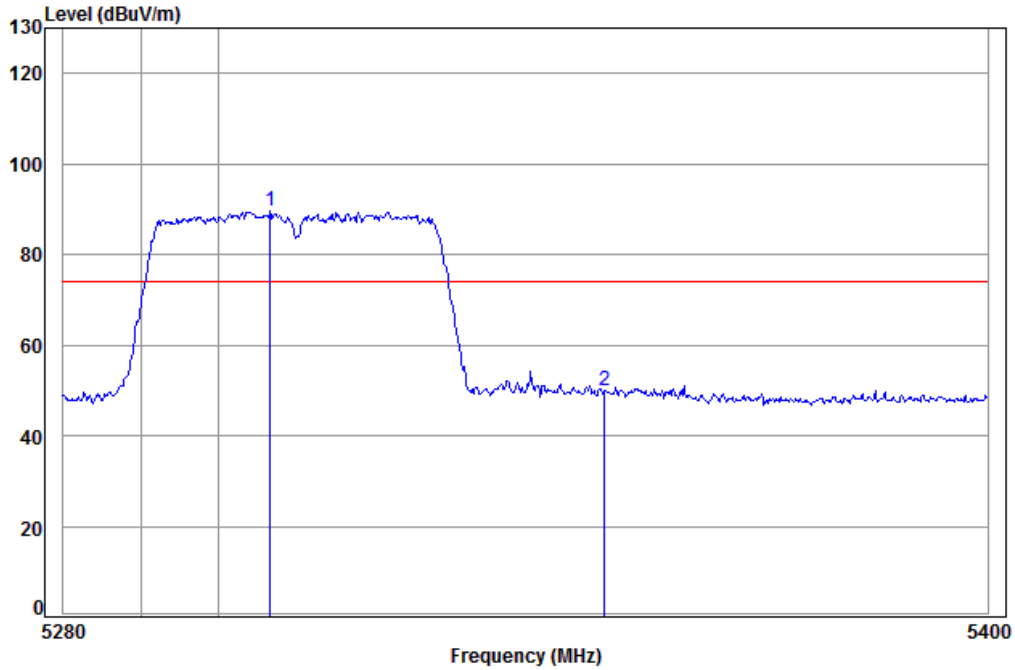
Test mode:	802.11 ac40	Frequency(MHz):	5310	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5310 Band edge
: AC40

	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	5306.65	8.16	34.22	38.85	86.02	89.55	74.00	15.55
2	5350.00	8.18	34.30	38.85	46.33	49.96	74.00	-24.04

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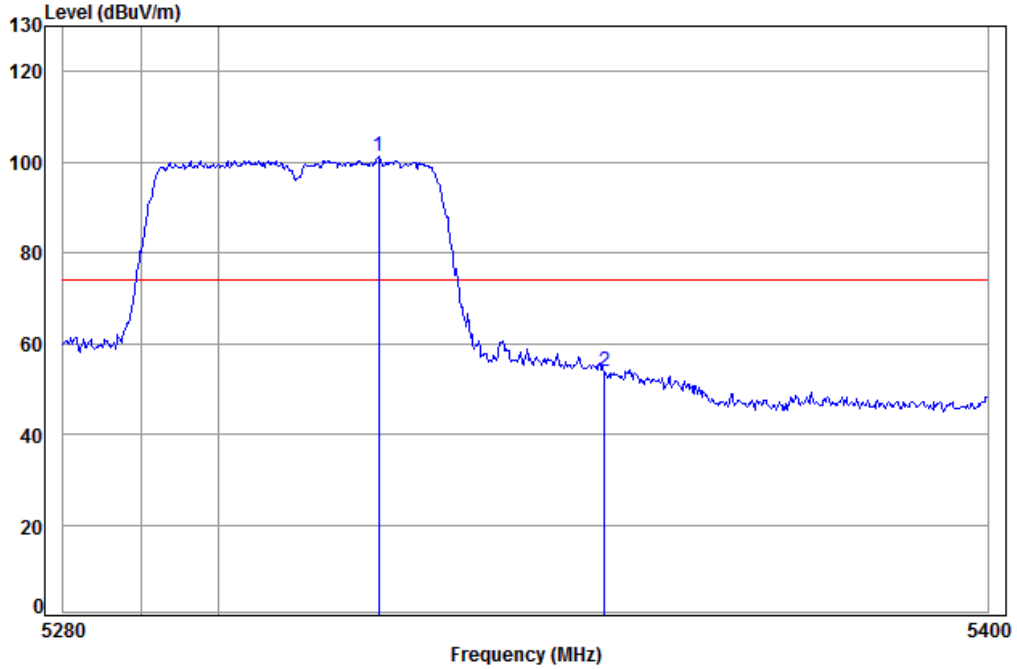
Test mode:	802.11 ac40	Frequency(MHz):	5310	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5310 Band edge
: AC40

	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	5320.62	8.16	34.24	38.85	97.92	101.47	74.00	27.47
2	5350.00	8.18	34.30	38.85	50.12	53.75	74.00	-20.25

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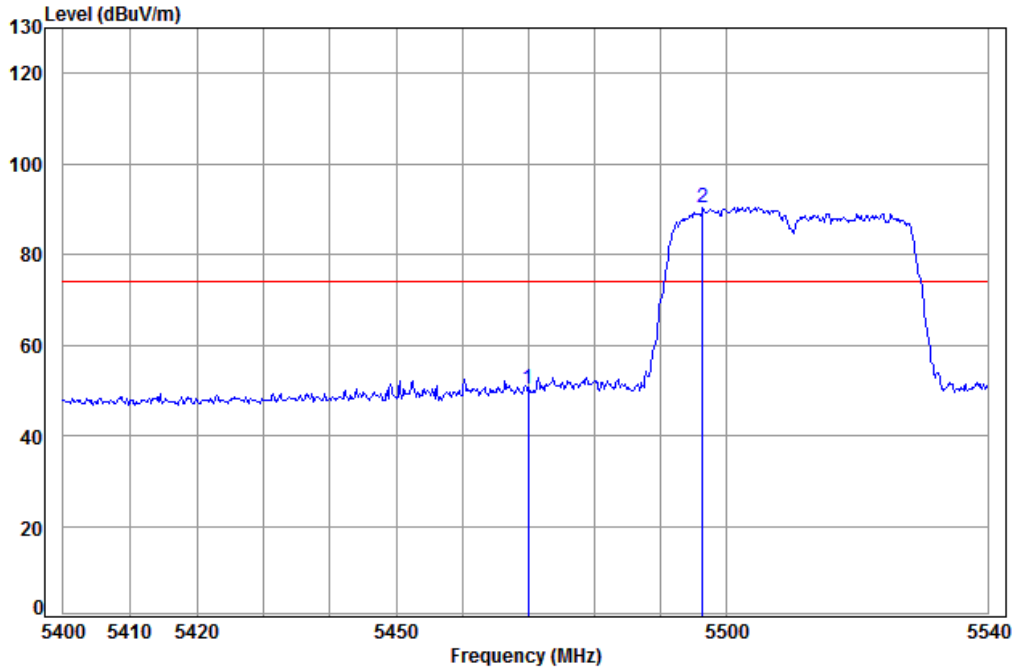
Test mode:	802.11 ac40	Frequency(MHz):	5510	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5510 Band edge
: AC40

	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	46.67	50.40	74.00	-23.60
2 pp	5496.50	8.25	34.35	38.88	86.64	90.36	74.00	16.36

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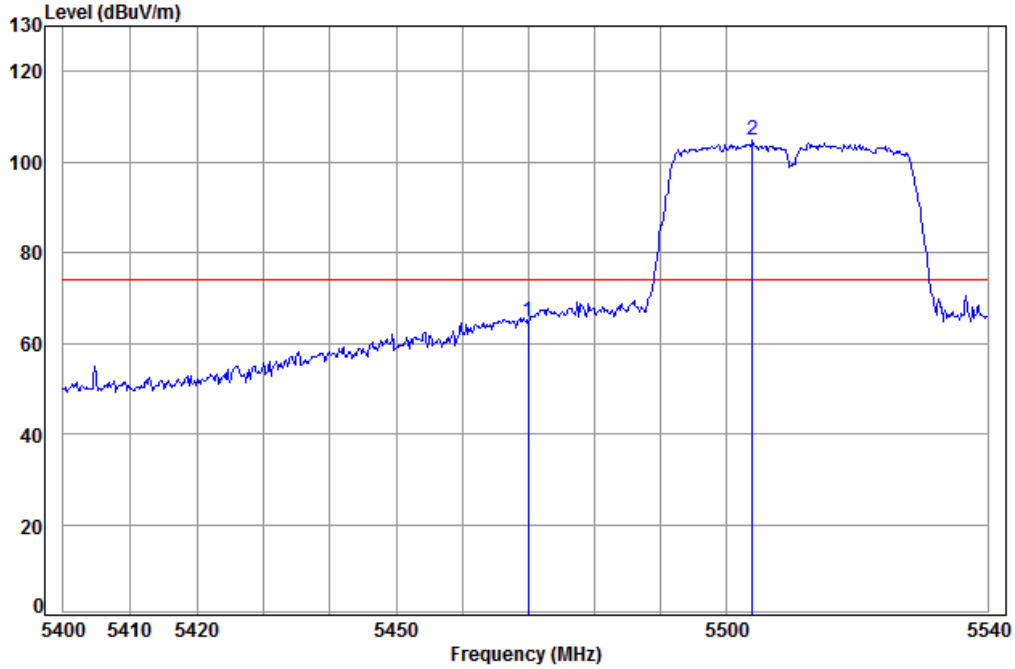
Test mode:	802.11 ac40	Frequency(MHz):	5510	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5510 Band edge
: AC40

	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	61.16	64.89	74.00	-9.11
2 pp	5504.10	8.25	34.35	38.88	101.03	104.75	74.00	30.75

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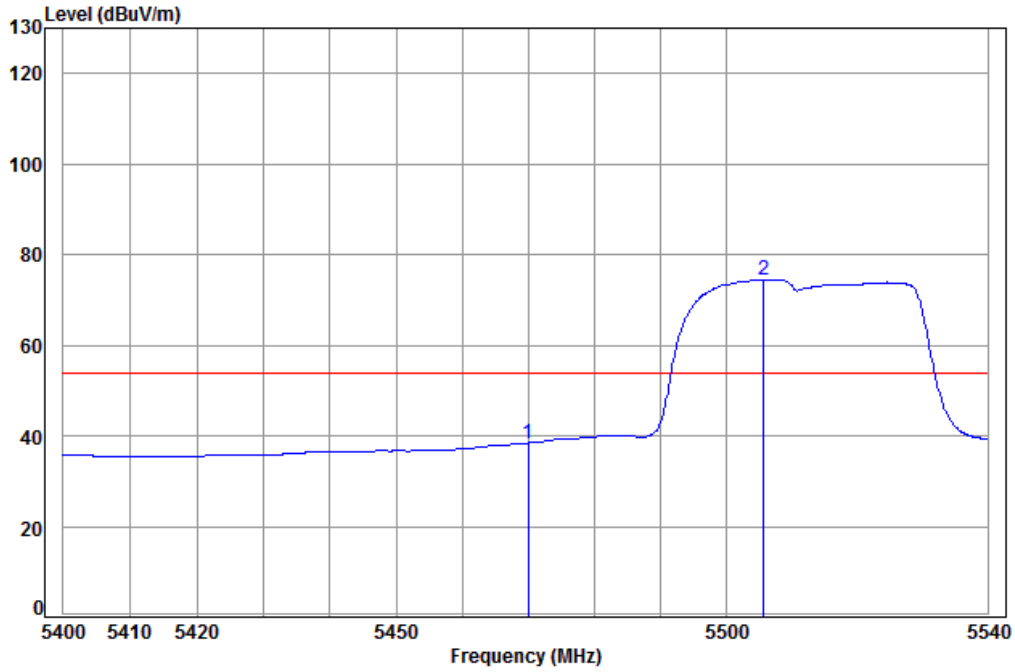
Test mode:	802.11 ac40	Frequency(MHz):	5510	Remark:	Average	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5510 Band edge
: AC40

	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	34.69	38.42	54.00	-15.58
2 pp	5505.79	8.26	34.35	38.88	70.75	74.48	54.00	20.48

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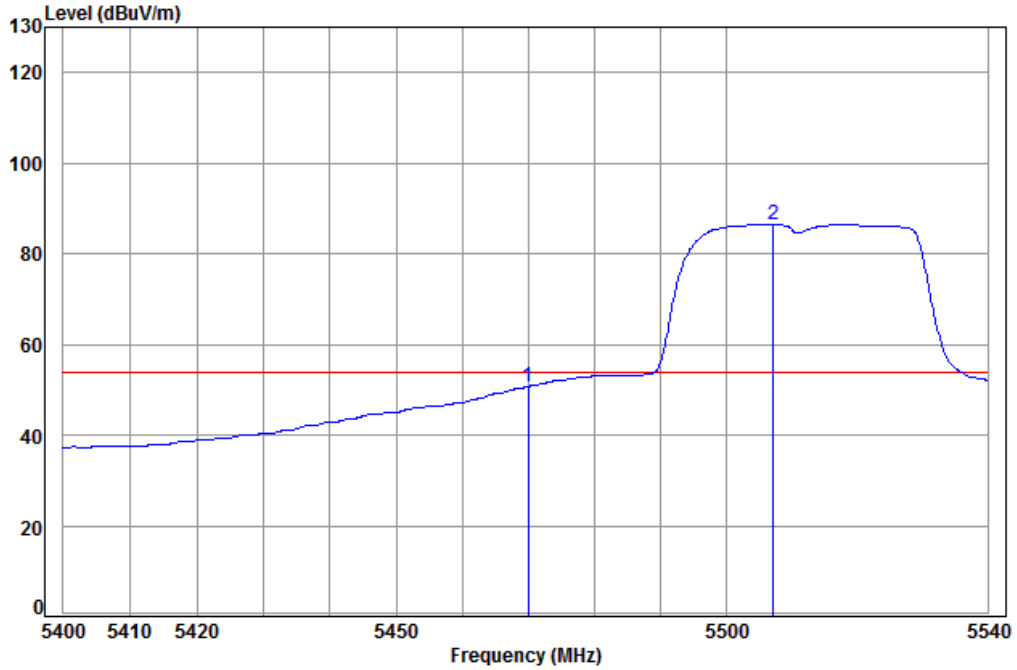
Test mode:	802.11 ac40	Frequency(MHz):	5510	Remark:	Average	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5510 Band edge
: AC40

	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	46.96	50.69	54.00	-3.31
2 pp	5507.20	8.26	34.35	38.88	82.71	86.44	54.00	32.44

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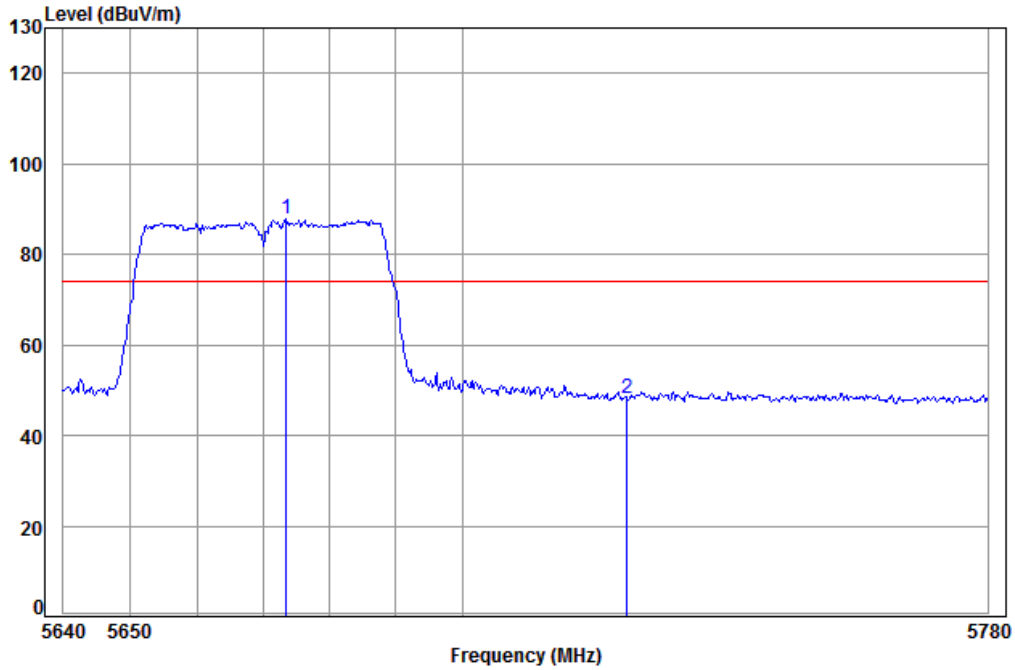
Test mode:	802.11 ac40	Frequency(MHz):	5670	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5670 Band edge
: AC40

	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	5673.43	8.43	34.26	38.91	83.99	87.77	74.00	13.77
2	5725.00	8.48	34.24	38.92	44.41	48.21	74.00	-25.79

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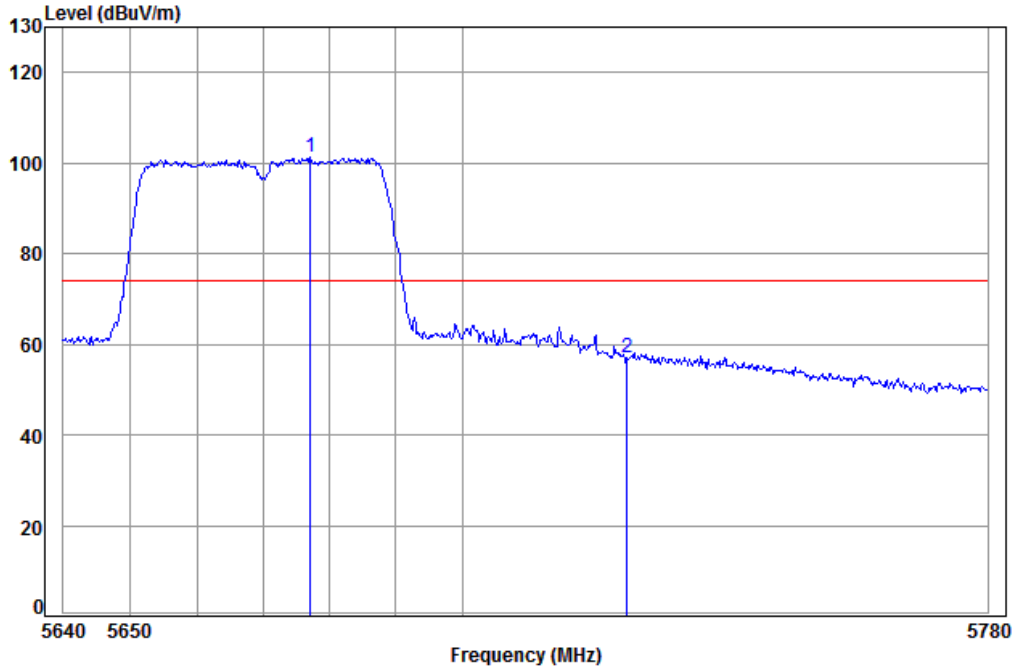
Test mode:	802.11 ac40	Frequency(MHz):	5670	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5670 Band edge
: AC40

	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	5677.05	8.43	34.26	38.91	97.45	101.23	74.00	27.23
2	5725.00	8.48	34.24	38.92	53.25	57.05	74.00	-16.95

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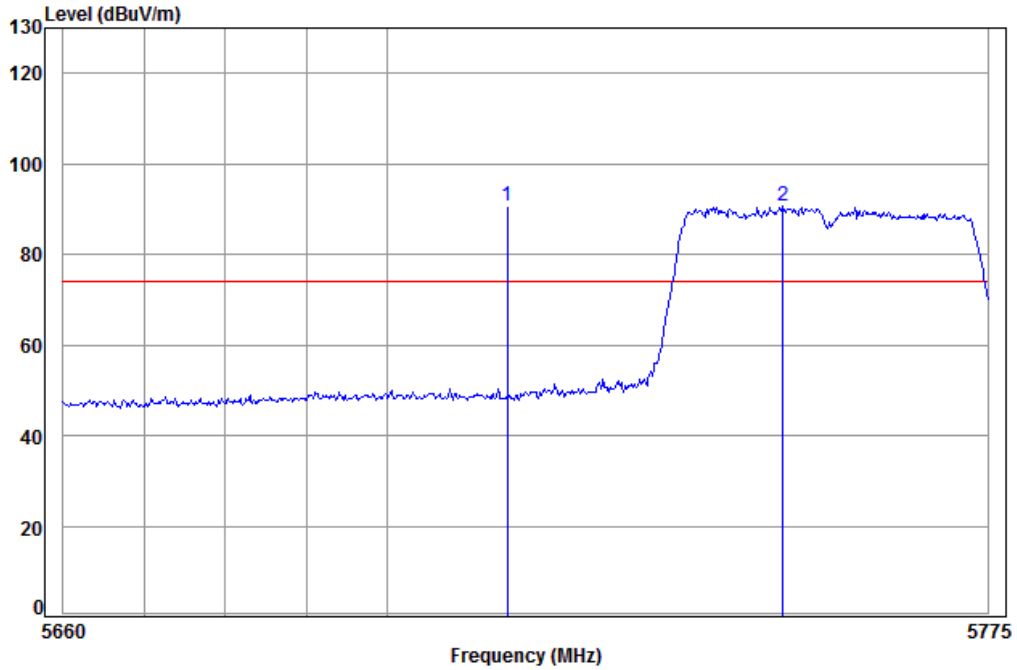
Test mode:	802.11 ac40	Frequency(MHz):	5755	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5755 Band edge
: AC40

	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	86.76	90.56	74.00	16.56
2 pp	5749.39	8.50	34.22	38.92	86.77	90.57	74.00	16.57

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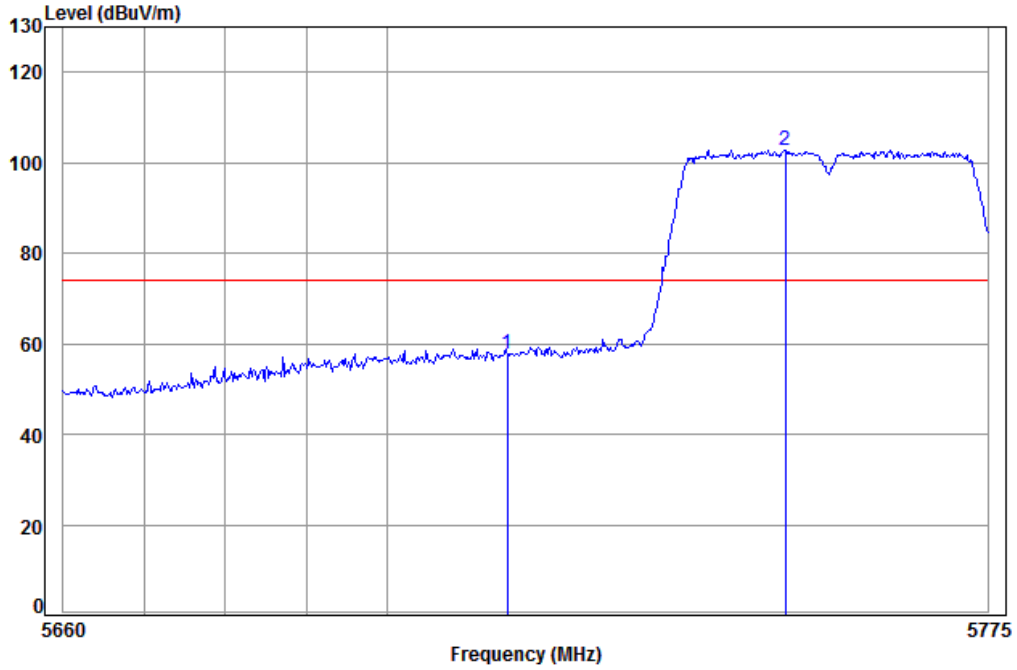
Test mode:	802.11 ac40	Frequency(MHz):	5755	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5755 Band edge
: AC40

	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	53.81	57.61	74.00	-16.39
2 pp	5749.62	8.51	34.22	38.92	98.92	102.73	74.00	28.73

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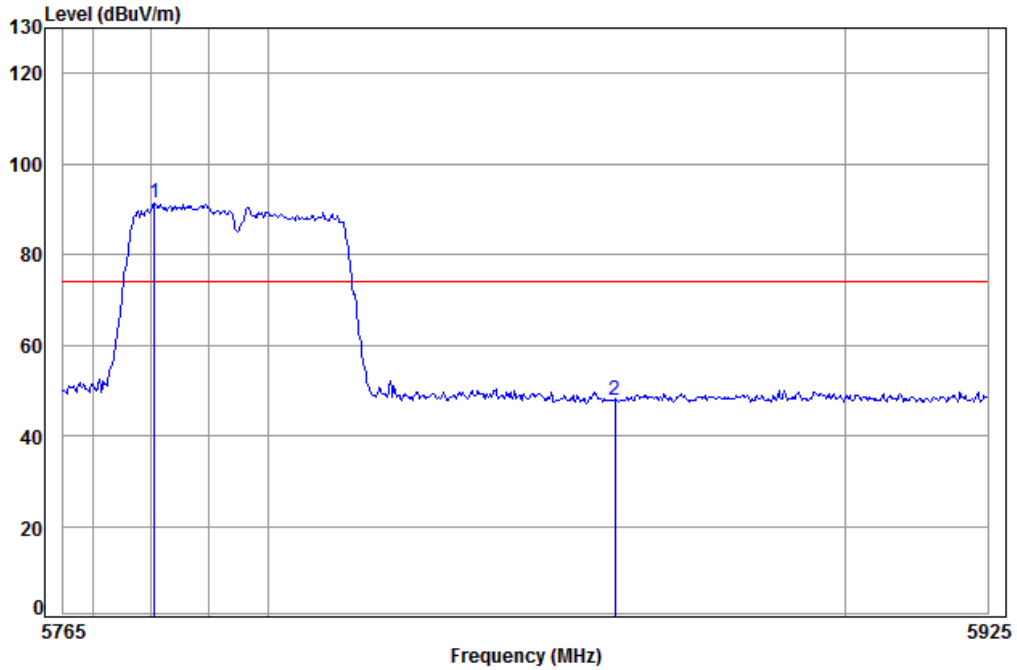
Test mode:	802.11 ac40	Frequency(MHz):	5795	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5795 Band edge
: AC40

	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	5780.65	8.54	34.21	38.93	87.72	91.54	74.00	17.54
2	5860.00	8.61	34.35	38.94	43.90	47.92	74.00	-26.08

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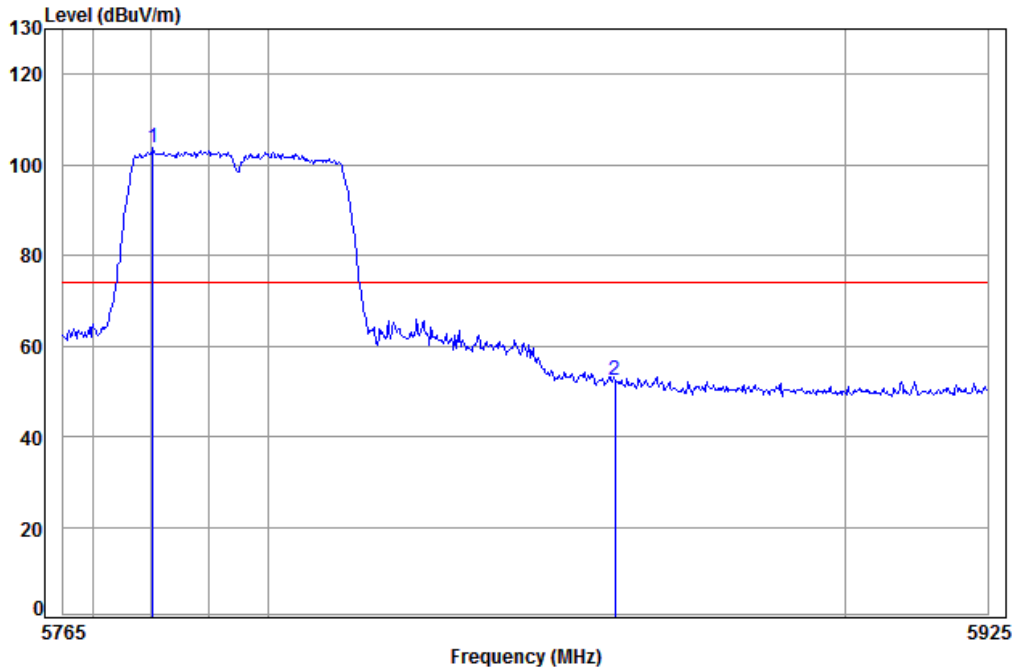
Test mode:	802.11 ac40	Frequency(MHz):	5795	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5795 Band edge
: AC40

	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	5780.33	8.54	34.21	38.93	99.88	103.70	74.00	29.70
2	5860.00	8.61	34.35	38.94	48.57	52.59	74.00	-21.41

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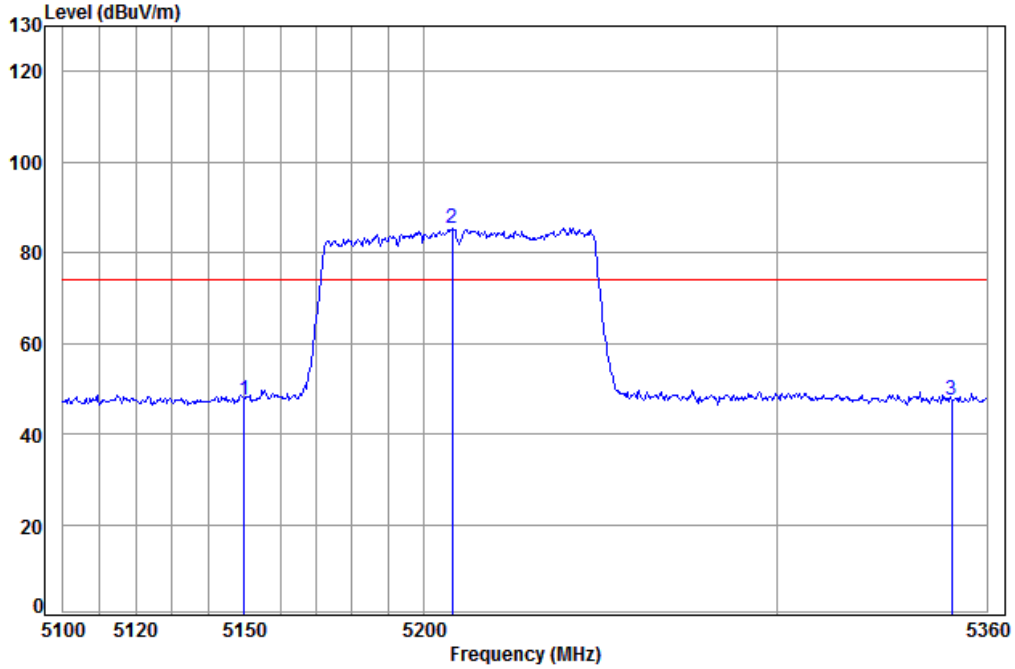
Test mode:	802.11 ac80	Frequency(MHz):	5210	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5210 Band edge
: AC80

	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	44.24	47.57	74.00	-26.43
2 pp	5207.89	8.11	34.02	38.83	82.20	85.50	74.00	11.50
3	5350.00	8.18	34.30	38.85	43.99	47.62	74.00	-26.38

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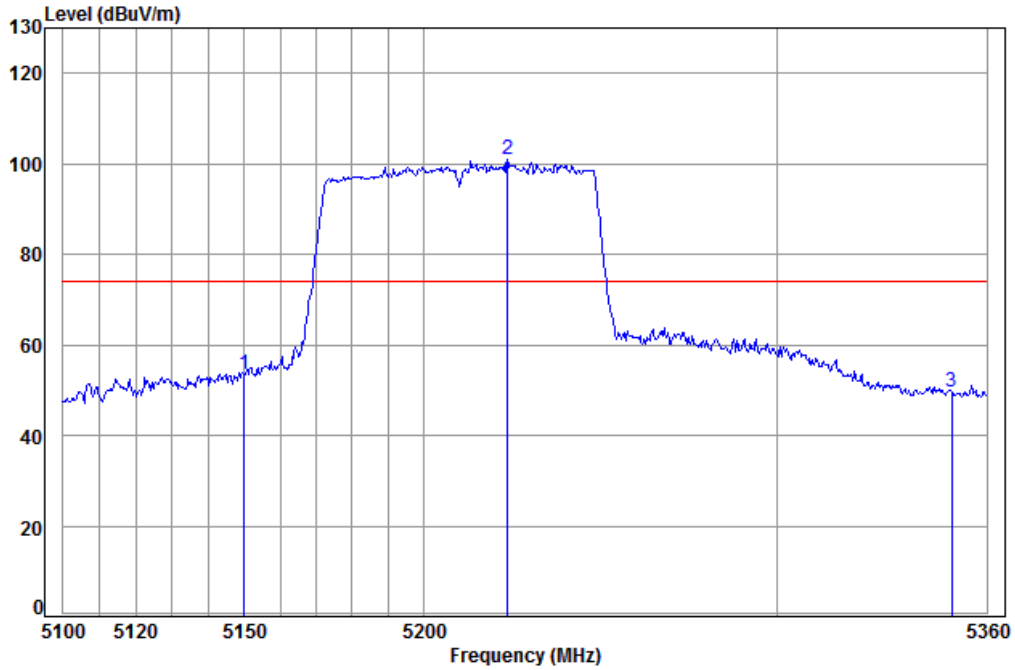
Test mode:	802.11 ac80	Frequency(MHz):	5210	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5210 Band edge
: AC80

	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	50.21	53.54	74.00	-20.46
2 pp	5223.45	8.11	34.05	38.83	97.51	100.84	74.00	26.84
3	5350.00	8.18	34.30	38.85	46.04	49.67	74.00	-24.33

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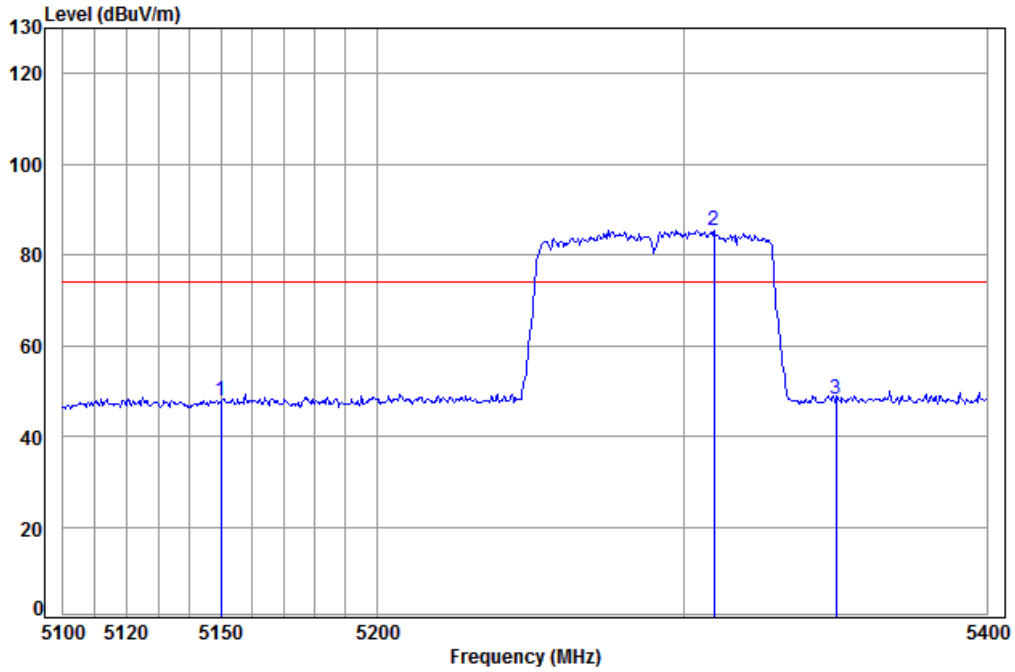
Test mode:	802.11 ac80	Frequency(MHz):	5290	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5290 Band edge
: AC80

	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	44.45	47.78	74.00	-26.22
2 pp	5309.71	8.16	34.22	38.85	81.82	85.35	74.00	11.35
3	5350.00	8.18	34.30	38.85	44.66	48.29	74.00	-25.71

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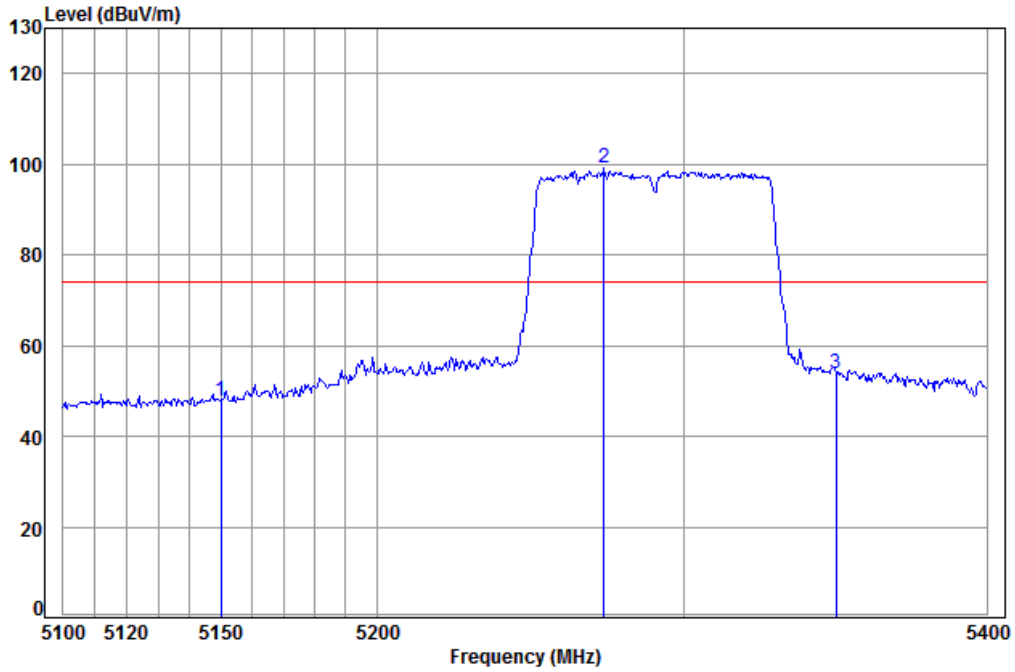
Test mode:	802.11 ac80	Frequency(MHz):	5290	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5290 Band edge
: AC80

	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	44.62	47.95	74.00	-26.05
2 pp	5273.72	8.14	34.15	38.84	95.66	99.11	74.00	25.11
3	5350.00	8.18	34.30	38.85	50.23	53.86	74.00	-20.14

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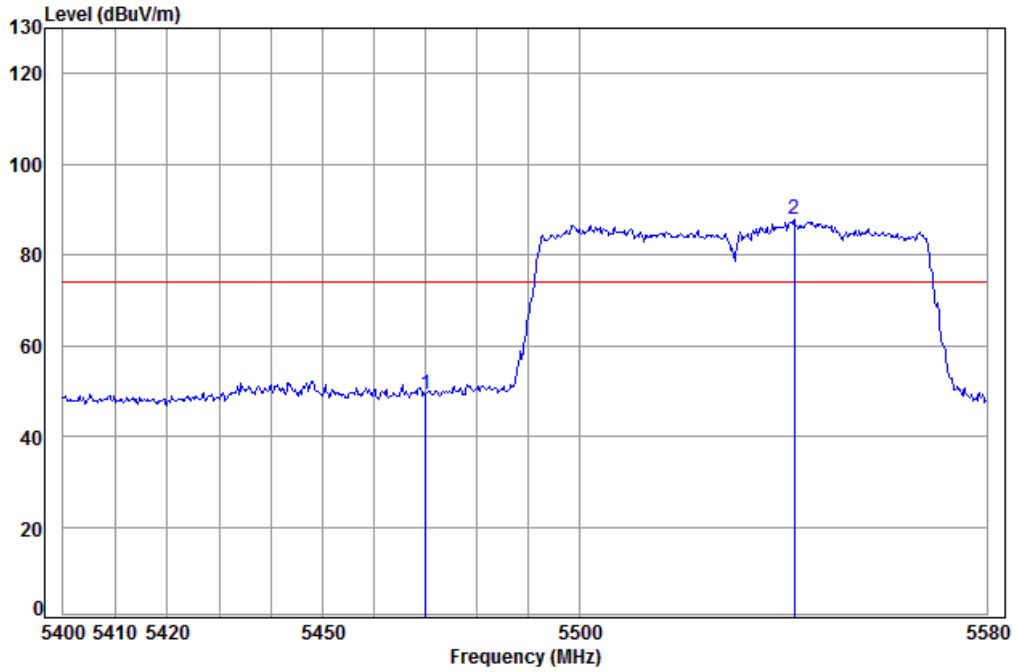
Test mode:	802.11 ac80	Frequency(MHz):	5530	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5530 Band edge
: AC80

	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	45.43	49.16	74.00	-24.84
2 pp	5542.07	8.29	34.33	38.89	84.10	87.83	74.00	13.83

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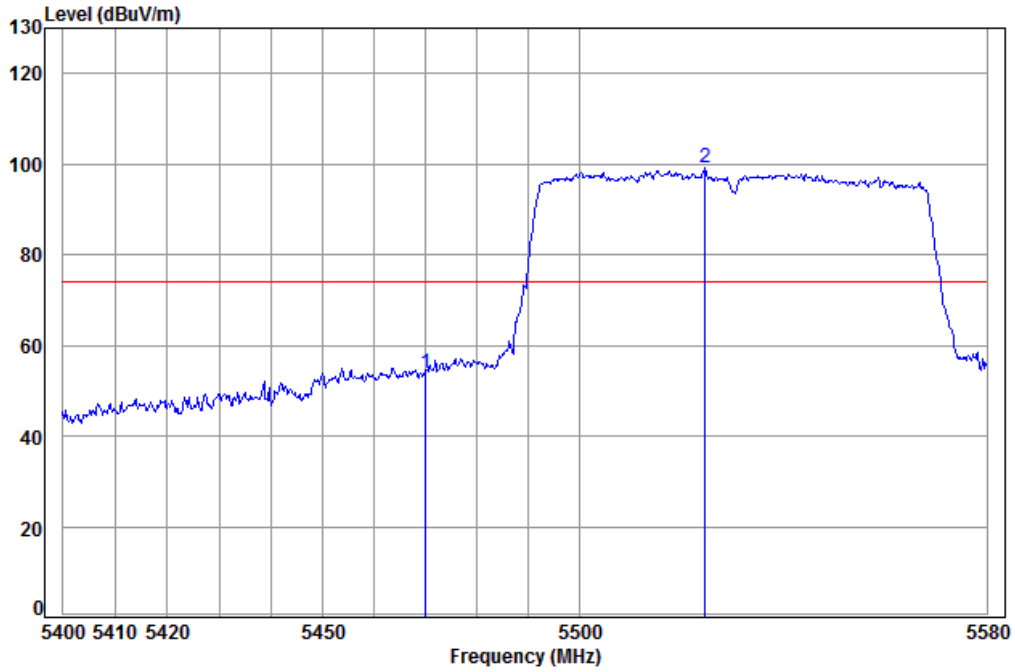
Test mode:	802.11 ac80	Frequency(MHz):	5530	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5530 Band edge
: AC80

	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	49.94	53.67	74.00	-20.33
2 pp	5524.47	8.28	34.34	38.88	95.55	99.29	74.00	25.29

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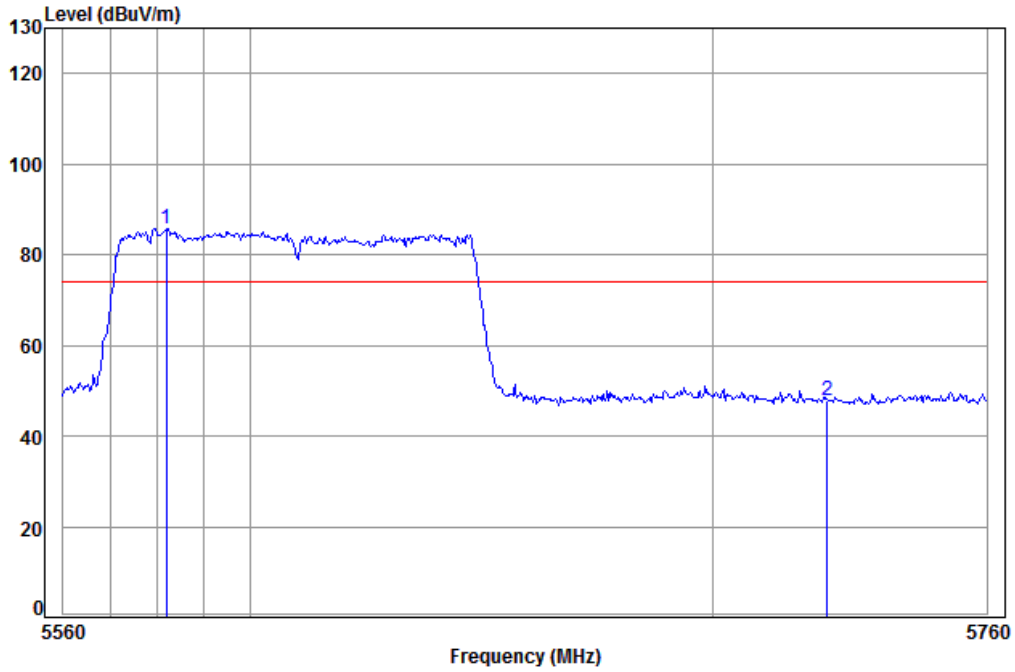
Test mode:	802.11 ac80	Frequency(MHz):	5610	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5610 Band edge
: AC80

	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	5582.05	8.34	34.31	38.89	82.04	85.80	74.00	11.80
2	5725.00	8.48	34.24	38.92	44.04	47.84	74.00	-26.16

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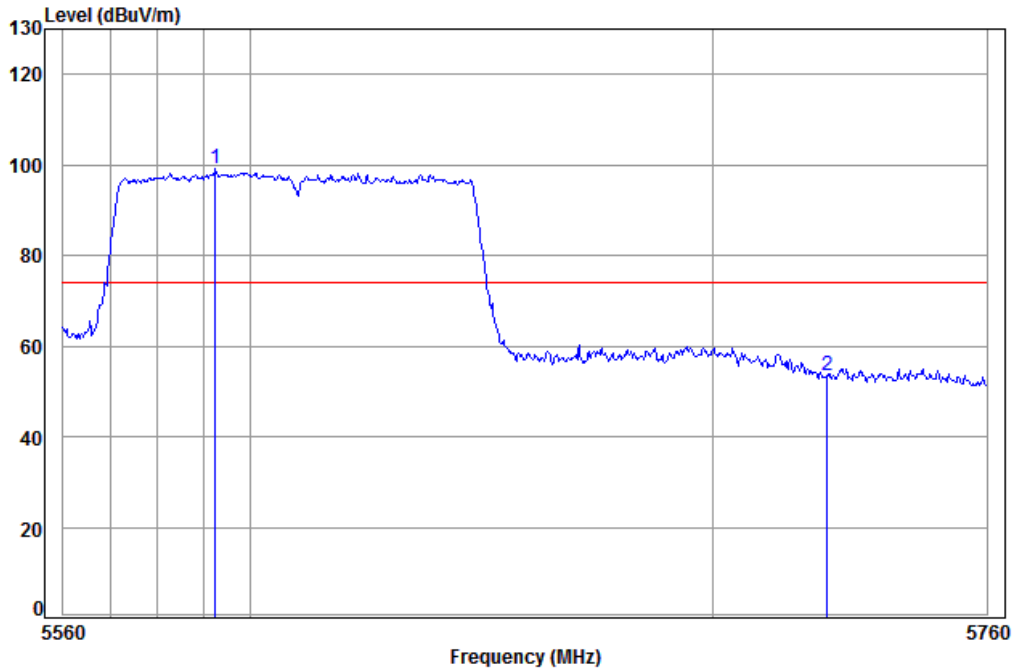
Test mode:	802.11 ac80	Frequency(MHz):	5610	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5610 Band edge
: AC80

	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	5592.52	8.35	34.30	38.89	95.27	99.03	74.00	25.03
2	5725.00	8.48	34.24	38.92	49.86	53.66	74.00	-20.34

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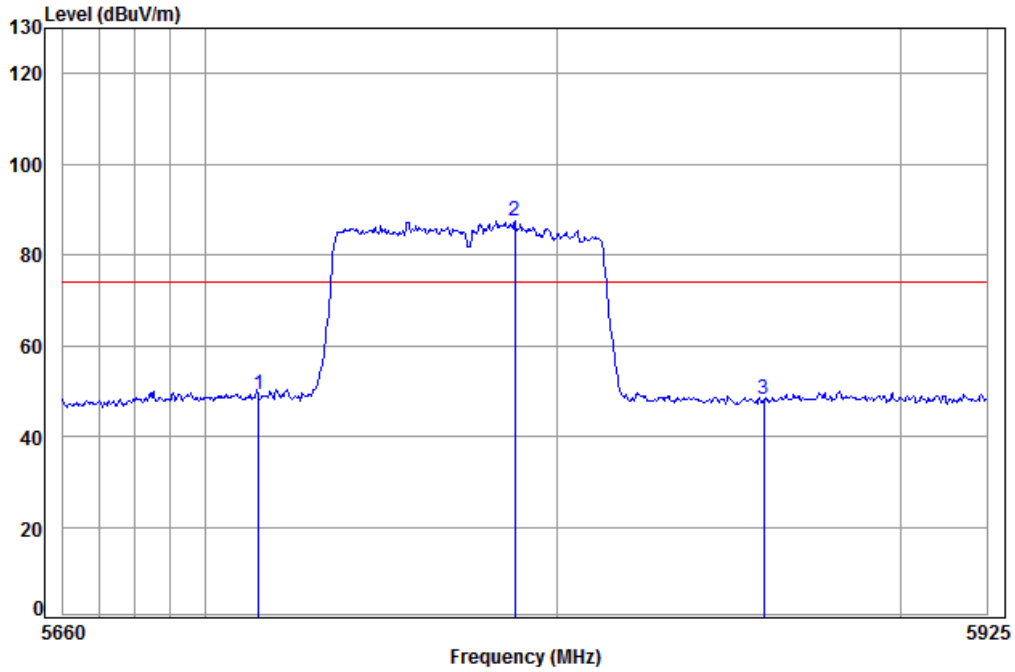
Test mode:	802.11 ac80	Frequency(MHz):	5775	Remark:	Peak	Vertical



Condition: 3m Vertical
Job No: : 0659CR
Mode: : 5775 Band edge
: AC80

	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	45.45	49.25	74.00	-24.75
2 pp	5788.07	8.54	34.21	38.93	83.78	87.60	74.00	13.60
3	5860.00	8.61	34.35	38.94	43.99	48.01	74.00	-25.99

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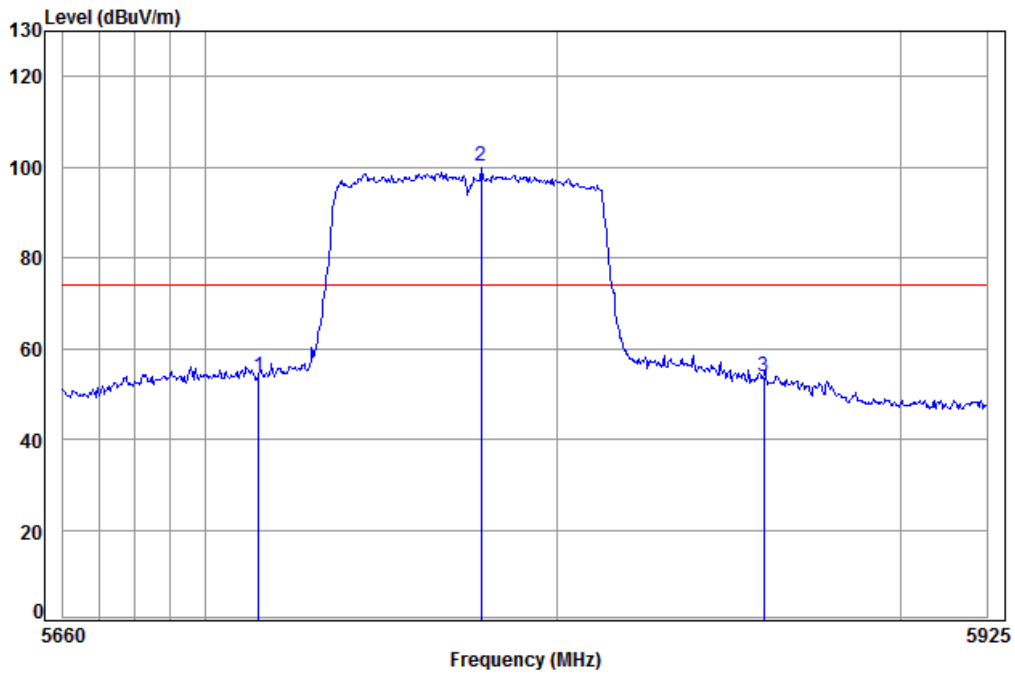
Test mode:	802.11 ac80	Frequency(MHz):	5775	Remark:	Peak	Horizontal



Condition: 3m Horizontal
Job No: : 0659CR
Mode: : 5775 Band edge
: AC80

	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	50.10	53.90	74.00	-20.10
2 pp	5778.54	8.53	34.21	38.92	96.34	100.16	74.00	26.16
3	5860.00	8.61	34.35	38.94	49.76	53.78	74.00	-20.22

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

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