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

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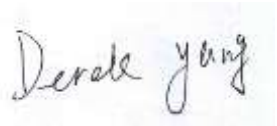
FCC REPORT

Application No:	SZEM1801000882RG
Applicant:	TCL Communication Ltd.
Manufacturer:	TCL Communication Ltd.
Factory:	TCL Mobile Communicate Co., LTD. Huizhou
Product Name:	LTE/UMTS/GSM mobile phone
Model No.(EUT):	T700A
Trade Mark::	handy
FCC ID:	2ACCJH085
Standards:	47 CFR Part 15
Test Method	KDB 789033 D02 v02r01
Date of Receipt:	2018-03-28
Date of Test:	2018-03-29 to 2018-04-12
Date of Issue:	2018-04-13
Test Result:	**PASS ***

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

Authorized Signature:



Derek Yang
Wireless Laboratory Manager

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

2 Version

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2018-04-13		Original

Authorized for issue by:				
Tested By		Mike Hu **(Mike Hu) /Project Engineer**		2018-04-13 **Date**
Checked By		Jim Huang **(Jim Huang) /Reviewer**		2018-04-13 **Date**

3 Test Summary

Test Item	Band	FCC Rule	Requirements	Verdict
Emission Bandwidth	5150-5250	15.403(i) 15.407(a)(1)	No limit.	Pass
	5725-5850	15.403(i) 15.407(e)	≥ 500 kHz.	
Occupied Bandwidth	5150-5250	KDB 789033 D02§ D	No limit.	Pass
	5725-5850			
Duty Cycle	5150-5850	--	No limit.	Pass
Maximum Conducted Output Power	5150-5250	15.407(a)(1) 15.407(a)(4)	FCC < 250mW (avg during transmission)	
	5725-5850	15.407(a)(3)	< 1W (avg during transmission)	
maximum Power Spectral Density	5150-5250	15.407(a)(1) 15.407(a)(4)	<11dBm/MHz (avg during transmission)	
	5725-5850	15.407(a)(3) 15.407(a)(4)	<30dBm/500KHz (avg during transmission)	
Unwanted Emissions that fall Outside of the Restricted Bands(Radiated)	5150-5250	15.407(b)(1) 15.407(b)(6) 15.407(b)(7) 15.209	● F<1GHz: §15.209/§7.2.5 limit (QP). ● F≥1GHz & out-restricted: <-27dBm/MHz PK e.i.r.p. (exl. 5.15-5.35 GHz). ● F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	Pass
	5725-5850	15.407(b)(4) 15.407(b)(6) 15.407(b)(7) 15.209	● F<1GHz: §15.209/§7.2.5 limit (QP) ● F≥1GHz &out-restricted:(QP) a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges; b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges; c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges. ● F≥1GHz & in-restricted: §15.209/§7.2.5 limit (AV&PK).	
Unwanted Emissions in theRestricted Bands（Radiated）	5150-5250 5725-5850	15.209	FCC: Part 15.209	Pass
AC Power Line Conducted Emissions	5150-5250 5725-5850	15.207	FCC:Part 15.207 conducted limit;	Pass
Frequence Stability	5150-5250 5725-5850	15.407(g)	FCC Part 15.407(g)	Pass

4 Contents

5 General Information

5.1 Client Information

Applicant:	TCL Communication Ltd.
Address of Applicant:	5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park, Pudong Area Shanghai, P.R. China. 201203
Manufacturer:	TCL Communication Ltd.
Address of Manufacturer:	5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park, Pudong Area Shanghai, P.R. China. 201203
Factory:	TCL Mobile Communicate Co., LTD. Huizhou
Address of Factory:	No.86,Hechang 7th West Road, ZhongKai Hi-tech Development District, Huizhou, Guangdong

5.2 General Description of EUT

Product Name:	LTE/UMTS/GSM mobile phone
Model No.:	T700A
Trade Mark:	handy
Operation Frequency:	IEEE 802.11a/ n(HT20/40)/ ac(HT20/40/80): 5150MHz to 5250MHz IEEE 802.11a/ n(HT20/40)/ ac(HT20/40/80): 5725MHz to 5850MHz
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:	Portable Device
Antenna Type:	PIFA
Antenna Gain:	Antenna :-4.2dBi,
EUT Power Supply:	AC input: 100-240V 50/60Hz DC output: 5V 2A
AC adaptor:	AC input: 100-240V 50/60Hz DC output: 5V 2A

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	The Middle channel	5210

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	The Middle channel	5775

5.3 Test Environment and Mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	55 % RH
Atmospheric Pressure:	1010 MPa
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.

5.4 Description of Support Units

The EUT has been tested independent unit.

5.5 Test Location

All tests were performed at:

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

5.6 Test Facility

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

• CNAS (No. CNAS L2929)

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

• A2LA (Certificate No. 3816.01)

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

• VCCI

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

• FCC –Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

• Industry Canada (IC)

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

5.7 Deviation from Standards

None.

5.8 Abnormalities from Standard Conditions

None.

5.9 Other Information Requested by the Customer

None

5.10 Measurement Uncertainty (95% confidence levels, k=2)

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

5.11 Equipment List

Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017-05-10	2018-05-10
2	LISN	Rohde & Schwarz	ENV216	SEM007-01	2017-10-09	2018-10-09
3	LISN	ETS-LINDGREN	3816/2	SEM007-02	2018/2/14	2019/2/13
4	8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2017-09-28	2018-09-28
5	4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2017-09-28	2018-09-28
6	2 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T2-02	EMC0122	2017-09-28	2018-09-28
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2018/2/14	2019/2/13
8	DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-10-09	2018-10-09

RF connected test						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-10-09	2018-10-09
2	Signal Analyzer	Rohde &Schwarz	FSV	W005-02	2018-03-13	2019-03-13
3	Signal Generator	Rohde &Schwarz	SML03	SEM006-02	2018/2/14	2019/2/13
4	Power Meter	Rohde &Schwarz	NRVS	SEM014-02	2017-10-09	2018-10-09
5	Power Sensor	Agilent Technologies	U2021XA	SEM009-01	2017-10-09	2018-10-09

RE in Chamber						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017-05-10	2018-05-10
2	EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2017-10-09	2018-10-09
3	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017-11-01	2020-11-01
4	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEM003-11	2015-10-17	2018-10-17
5	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEM003-12	2017-11-24	2020-11-24
6	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2018/2/14	2019/2/13
7	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A
8	DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-10-09	2018-10-09

9	Loop Antenna	Beijing Daze	ZN30401	SEM003-09	2015-05-13	2018-05-13

RE in Chamber						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (yyyy-mm-dd)**	**Cal. Due date (yyyy-mm-dd)**
1	10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2017-05-10	2018-05-10
2	EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2018/2/14	2019/2/13
3	Trilog-Broadband Antenna(30M-1GHz)	Schwarzbeck	VULB9168	SEM003-18	2016-06-29	2019-06-29
4	Pre-amplifier	Sonoma Instrument Co	310N	SEM005-03	2017-07-06	2018-07-06
5	.Loop Antenna	ETS-Lindgren	6502	SEM003-08	2015-08-14	2018-08-14

RE in Chamber						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (yyyy-mm-dd)**	**Cal. Due date (yyyy-mm-dd)**
1	3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2017-05-10	2018-05-10
2	EXA Spectrum Analyzer	Agilent Technologies Inc	N9010A	SEM004-09	2017-07-19	2018-07-19
3	BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-02	2017-11-15	2020-11-15
4	Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2017-10-09	2018-10-09
5	Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2015-06-14	2018-06-14
6	Horn Antenna (18-26GHz)	ETS-Lindgren	3160	SEM003-12	2017-11-24	2020-11-24
7	HornAntenna (26GHz-40GHz)	A.H.Systems, inc.	SAS-573	SEM003-13	2017/10/17	2020/10/16
8	Low Noise Amplifier	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2017-10-09	2018-10-09
9	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A

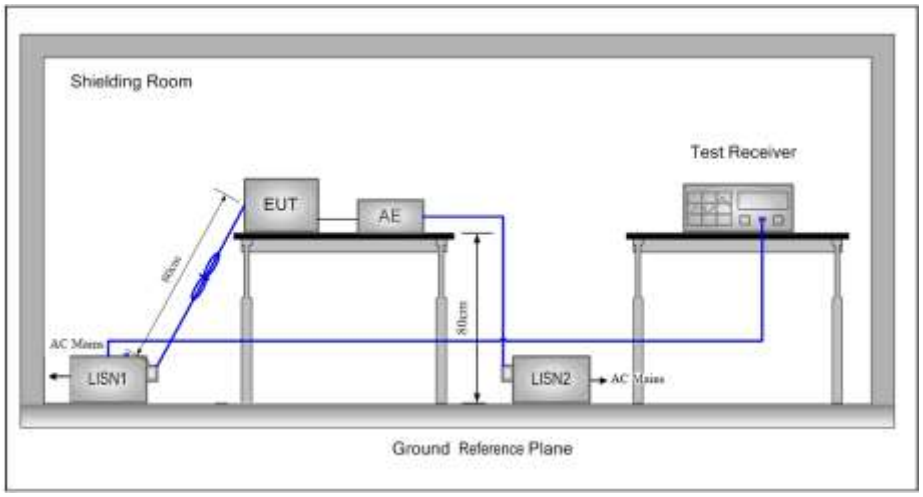
6 Test results and Measurement Data

6.1 Antenna Requirement

Test Requirement:	47 CFR Part 15 Section 15.203
The antenna is integrated antenna and no consideration of replacement. The best case gain of the antenna is -4.2dBi.	

6.2 Conducted Emissions

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

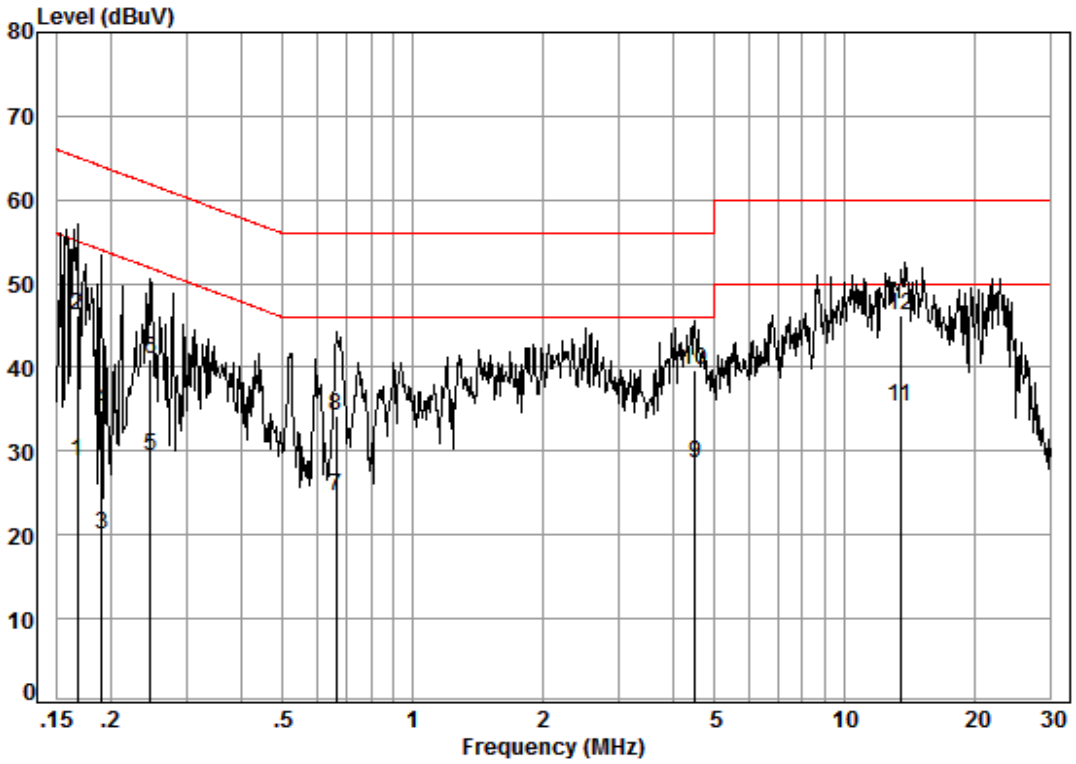
Test Setup:	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer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

Measurement Data

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

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

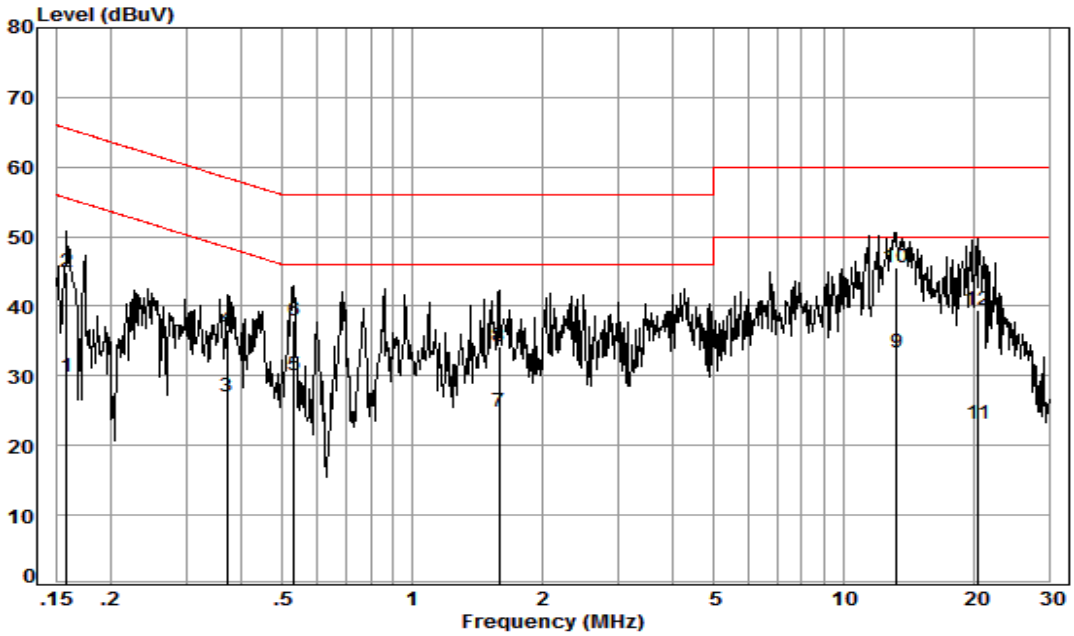
Live Line:



Site : Shielding Room
Condition: Line
Job No. : 01198RG
Test mode: e
: 47A+06

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.17	0.02	9.52	19.23	28.77	55.08	-26.31	Average
2	0.17	0.02	9.52	36.64	46.18	65.08	-18.90	QP
3	0.19	0.03	9.51	10.44	19.98	54.02	-34.04	Average
4	0.19	0.03	9.51	25.33	34.87	64.02	-29.15	QP
5	0.25	0.03	9.51	19.85	29.39	51.86	-22.47	Average
6	0.25	0.03	9.51	31.44	40.98	61.86	-20.88	QP
7	0.66	0.07	9.50	15.10	24.67	46.00	-21.33	Average
8	0.66	0.07	9.50	24.55	34.12	56.00	-21.88	QP
9	4.50	0.20	9.55	18.89	28.64	46.00	-17.36	Average
10	4.50	0.20	9.55	29.82	39.57	56.00	-16.43	QP
11	13.48	0.24	9.69	25.31	35.24	50.00	-14.76	Average
12	13.48	0.24	9.69	36.38	46.31	60.00	-13.69	QP

Neutral Line:



Site : Shielding Room
Condition: Neutral
Job No. : 01198RG
Test mode: e
: 47A+06

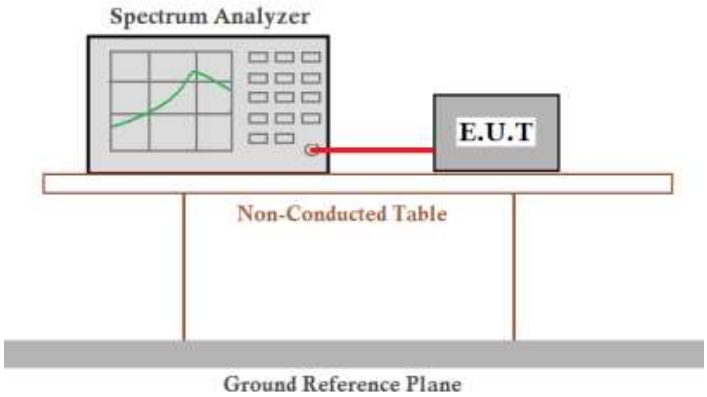
	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.16	0.02	9.58	20.19	29.79	55.56	-25.77	Average
2	0.16	0.02	9.58	35.40	45.00	65.56	-20.56	QP
3	0.37	0.03	9.58	17.50	27.11	48.47	-21.36	Average
4	0.37	0.03	9.58	27.04	36.65	58.47	-21.82	QP
5	0.53	0.05	9.61	20.50	30.16	46.00	-15.84	Average
6	0.53	0.05	9.61	28.36	38.02	56.00	-17.98	QP
7	1.59	0.13	9.63	15.02	24.78	46.00	-21.22	Average
8	1.59	0.13	9.63	24.43	34.19	56.00	-21.81	QP
9	13.27	0.23	9.88	23.25	33.36	50.00	-16.64	Average
10	13.27	0.23	9.88	35.47	45.58	60.00	-14.42	QP
11	20.49	0.27	10.06	12.88	23.21	50.00	-26.79	Average
12	20.49	0.27	10.06	29.13	39.46	60.00	-20.54	QP

Notes:

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

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

6.3 Conducted Output Power

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10: 2013	
Test Setup:		
Test Instruments:	Refer to section 5.10 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5150-5250MHz	Not exceed 250mW(24dBm)
	5725-5850MHz	Not exceed 1W(30dBm)
	*Where B is the 26dB emission bandwidth in MHz	
Test Results:	Pass	

Measurement Data:

802.11a mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	12.68	24.00	Pass
5220	12.59	24.00	Pass
5240	12.65	24.00	Pass
5745	13.08	30.00	Pass
5785	13.10	30.00	Pass
5825	13.00	30.00	Pass

802.11n(HT20) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	12.50	24.00	Pass
5220	12.48	24.00	Pass
5240	12.48	24.00	Pass
5745	12.55	30.00	Pass
5785	12.47	30.00	Pass
5825	12.30	30.00	Pass

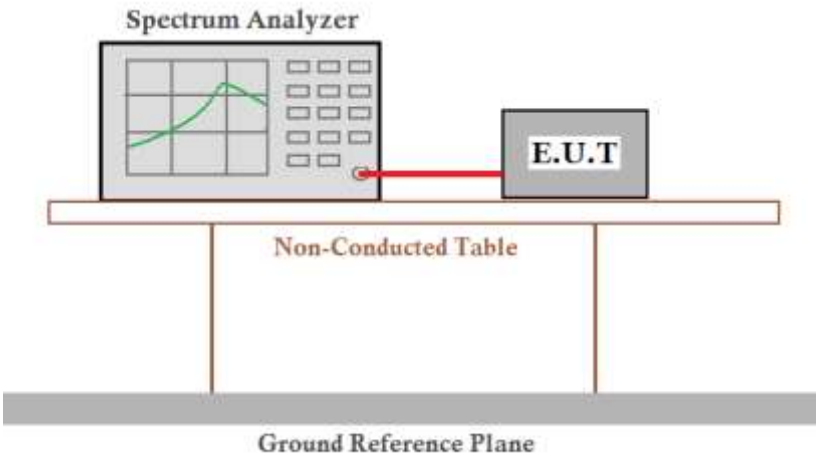
802.11ac(HT20) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5180	12.54	24.00	Pass
5220	12.36	24.00	Pass
5240	12.39	24.00	Pass
5745	12.51	30.00	Pass
5785	12.48	30.00	Pass
5825	12.41	30.00	Pass

802.11n(HT40) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5190	12.59	24.00	Pass
5230	12.52	24.00	Pass
5755	12.56	30.00	Pass
5795	12.57	30.00	Pass

802.11ac(HT40) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5190	12.63	24.00	Pass
5230	12.56	24.00	Pass
5755	12.64	30.00	Pass
5795	12.49	30.00	Pass

802.11ac(HT80) mode			
Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)	Result
5210	11.32	24.00	Pass
5775	11.35	30.00	Pass

6.4 26dB Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	47 CFR Part 15 Section 15.407(a)
Test Method:	ANSI C63.10: 2013
Test Setup:	
Instruments Used:	Refer to section 5.10 for details
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80). Only the worst case is recorded in the report.
Limit:	No restriction limits
Test Results:	Pass

Measurement Data:

802.11a mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.34	16.82
5220	20.34	16.82
5240	20.34	16.82
5745	16.02	16.82
5785	16.02	16.86
5825	15.98	16.82

802.11n(HT20) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.3	17.66

5220	20.42	17.62
5240	20.42	17.66
5745	17.22	17.66
5785	17.18	17.66
5825	17.26	17.66

802.11ac(HT20) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5180	20.34	17.58
5220	20.38	17.58
5240	20.38	17.62
5745	17.06	17.66
5785	17.26	17.62
5825	17.06	17.66

802.11n(HT40) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	40.52	36.12
5230	40.84	36.12
5755	35.49	36.20
5795	35.45	36.28

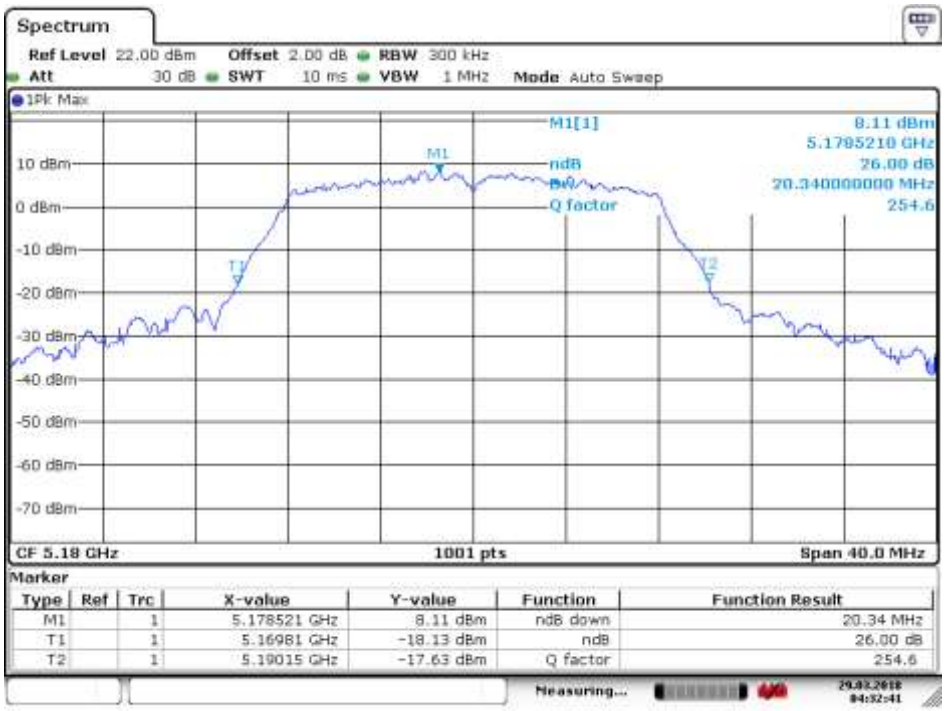
802.11ac(HT40) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5190	40.76	36.04
5230	40.84	36.12
5755	34.53	36.04
5795	35.56	36.04

802.11ac(HT80) mode		
Frequency (MHz)	26dB Emission Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
5210	81.36	75.28
5775	75.44	75.28

6.4.1 26dB Emission Bandwidth

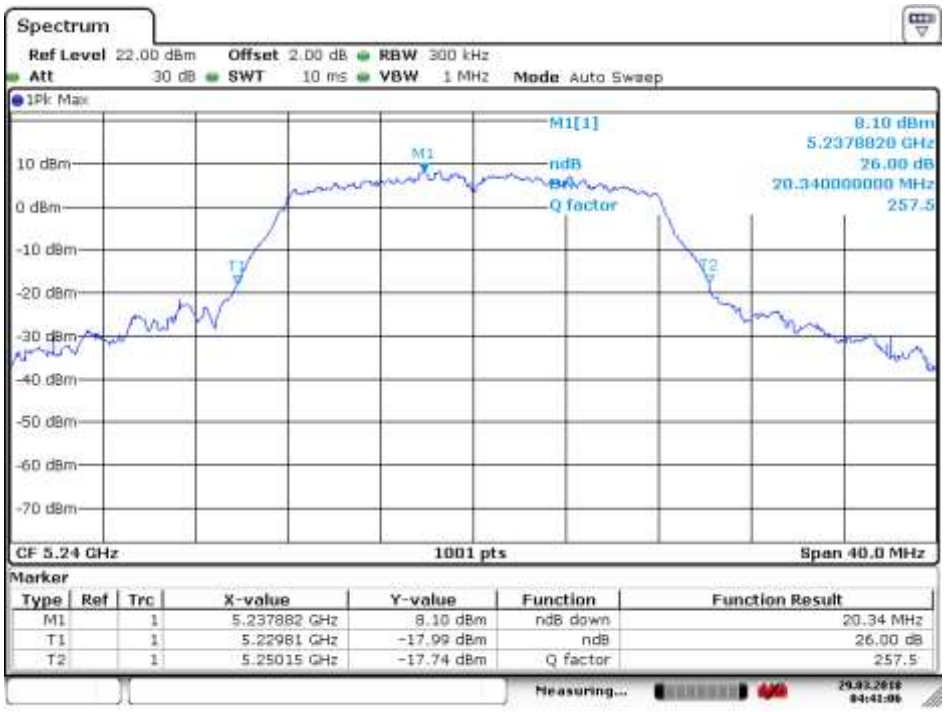
6.4.1.1 Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180



Test mode:	802.11a	Frequency(MHz):	5220

Test mode:	802.11a	Frequency(MHz):	5240



Date: 29.MAR.2018 04:41:06

Test mode:	802.11a	Frequency(MHz):	5745

Date: 29.MAR.2018 08:31:37

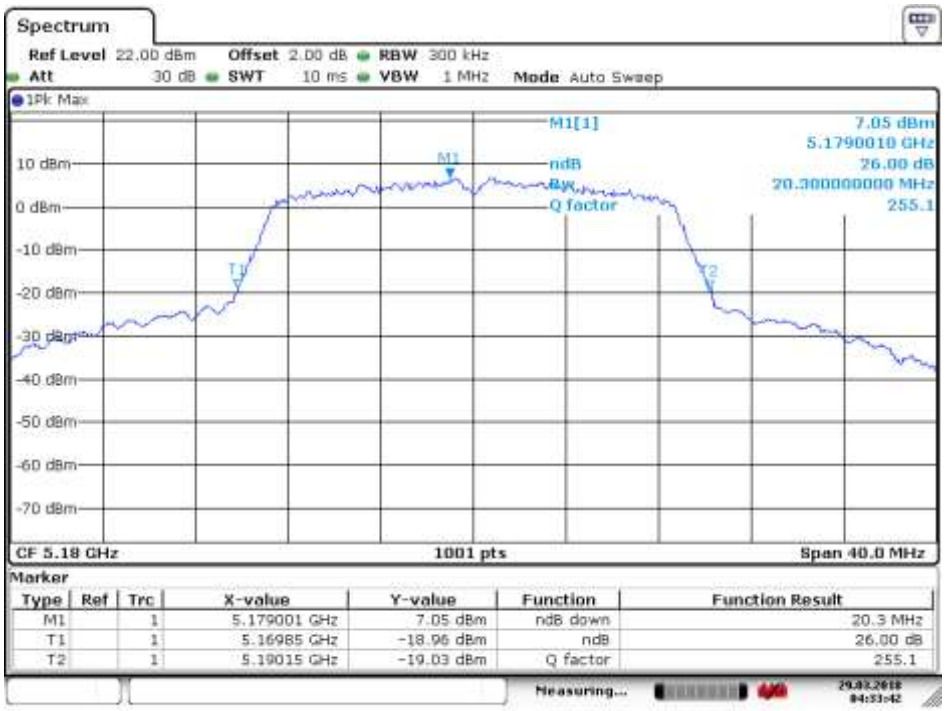
Test mode:	802.11a	Frequency(MHz):	5785

Date: 29.MAR.2018 08:40:54

Test mode:	802.11a	Frequency(MHz):	5825

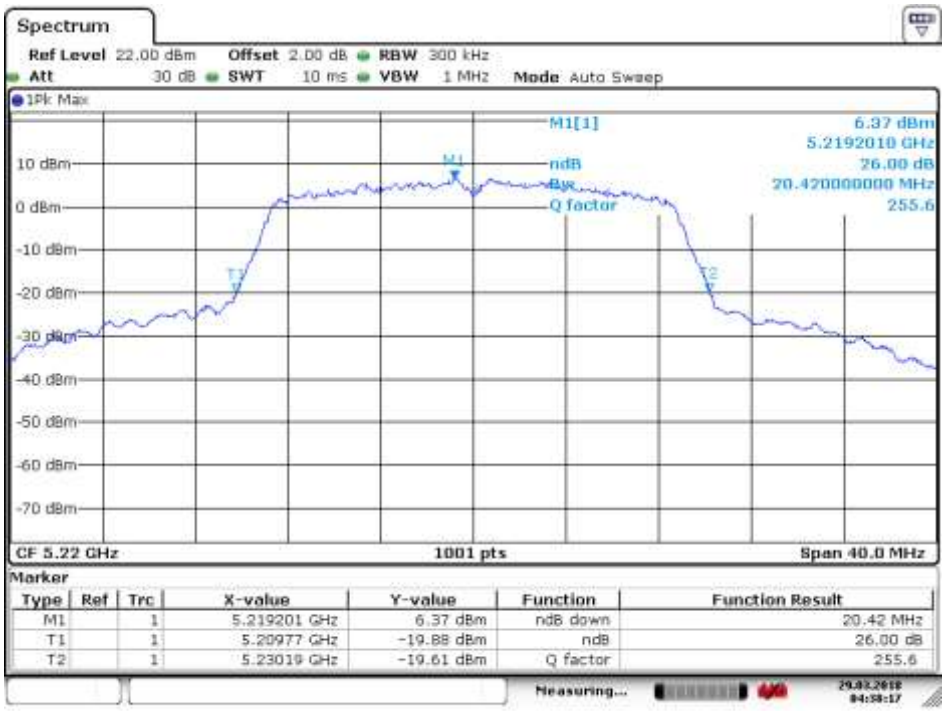
Date: 29.MAR.2018 08:42:17

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



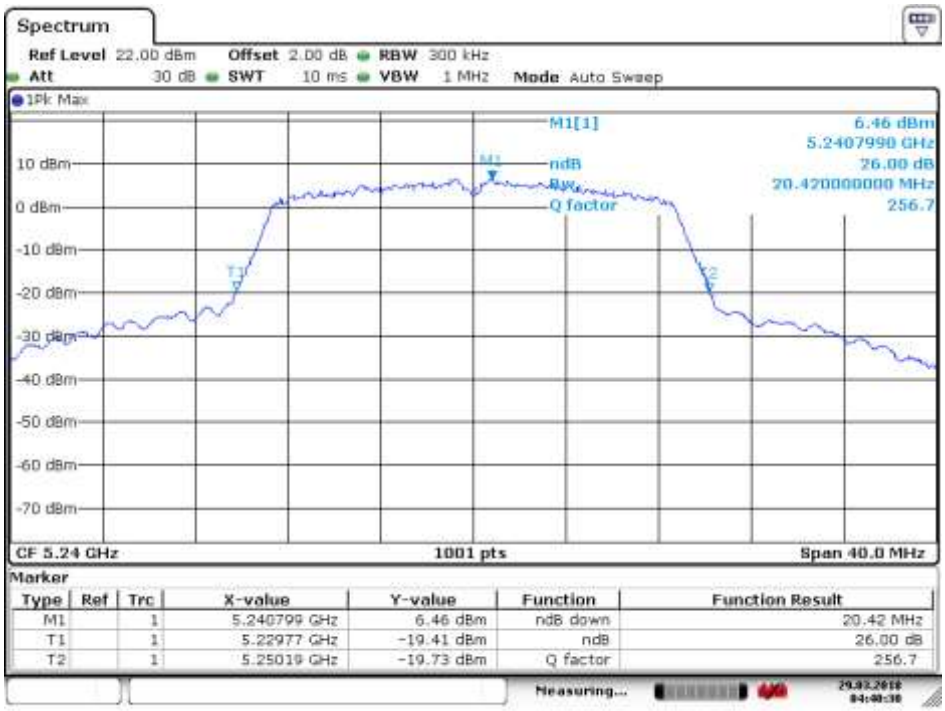
Date: 29.MAR.2018 04:33:42

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



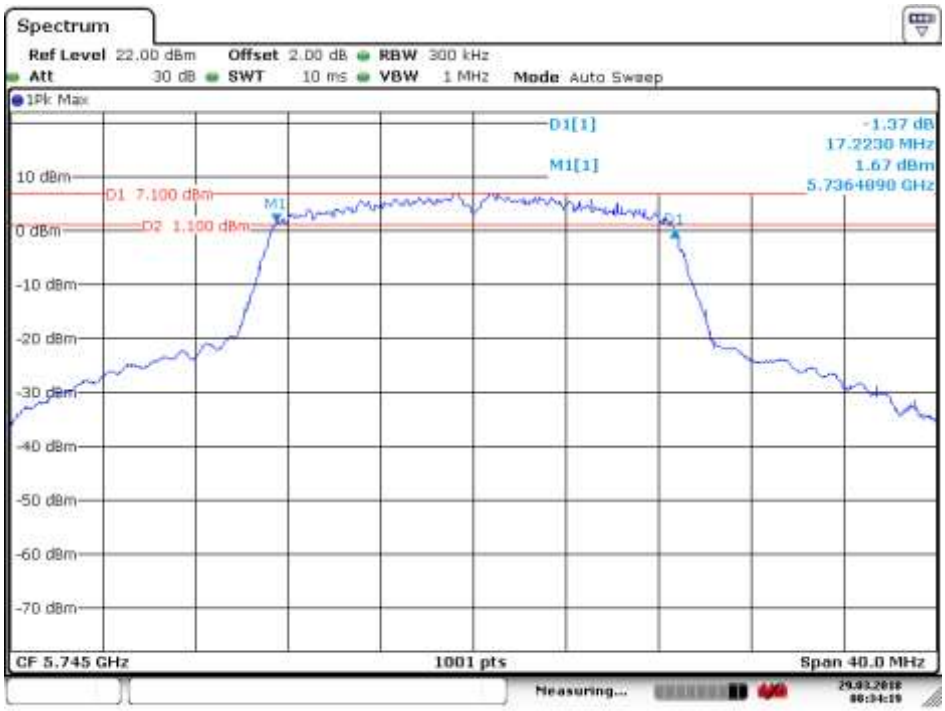
Date: 29.MAR.2018 04:38:18

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



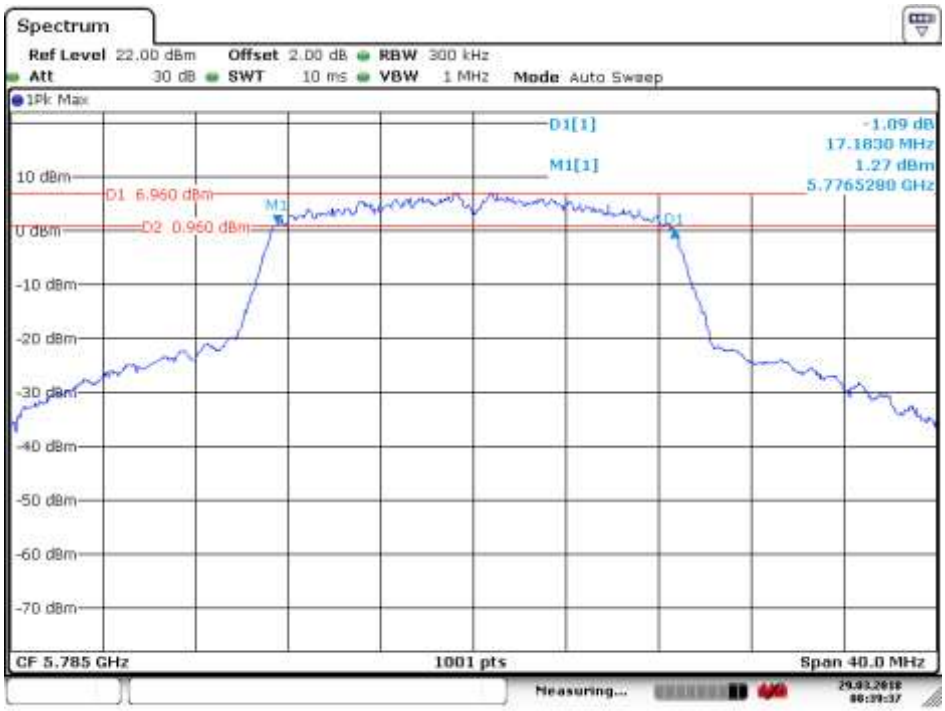
Date: 29.MAR.2018 04:40:31

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



Date: 29.MAR.2018 08:34:20

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

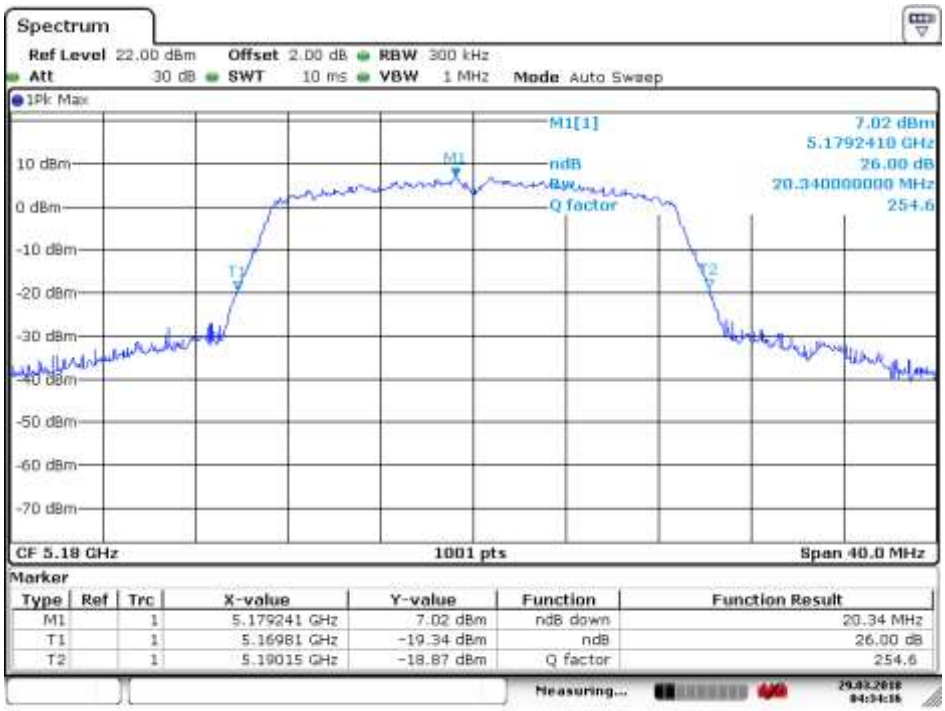


Date: 29.MAR.2018 08:39:38

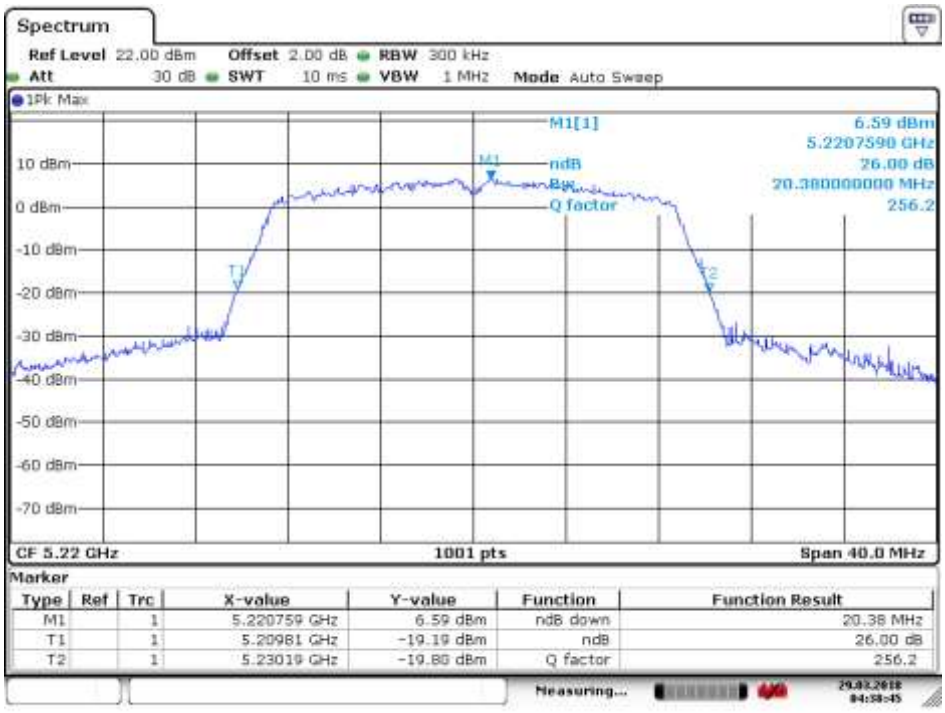
Test mode:	802.11 n(HT20)	Frequency(MHz):	5825

Date: 29.MAR.2018 08:43:50

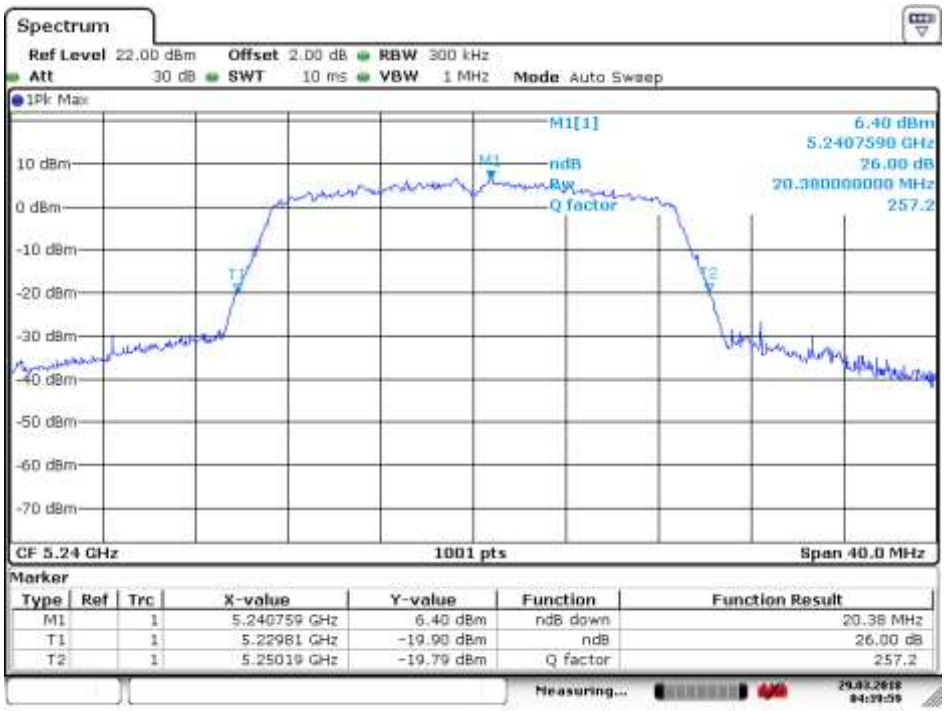
Test mode:	802.11ac(HT20)	Frequency(MHz):	5180



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

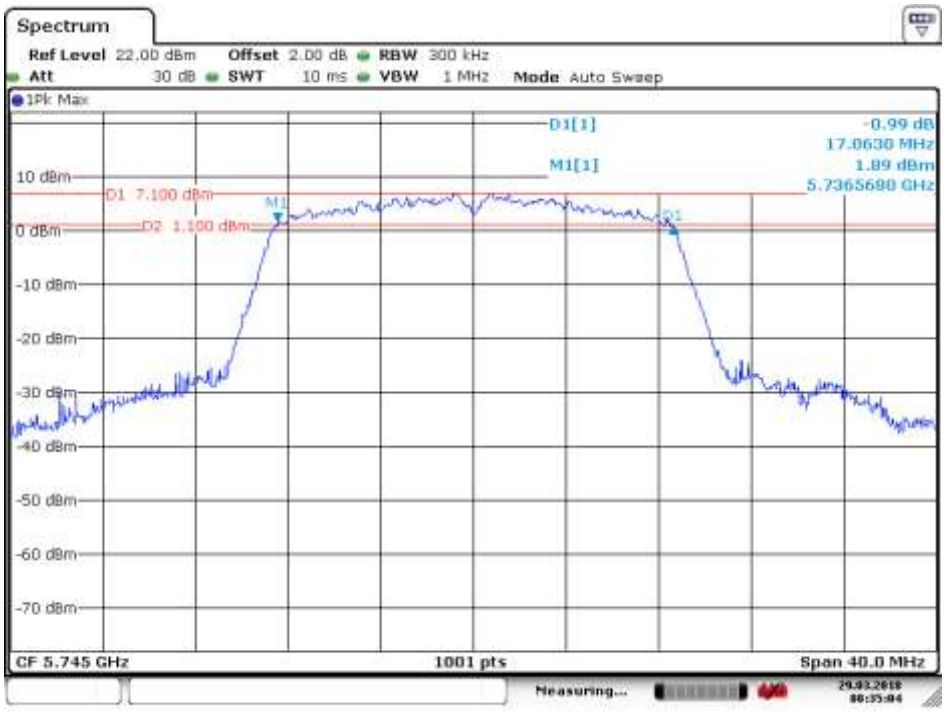


Test mode:	802.11ac(HT20)	Frequency(MHz):	5240



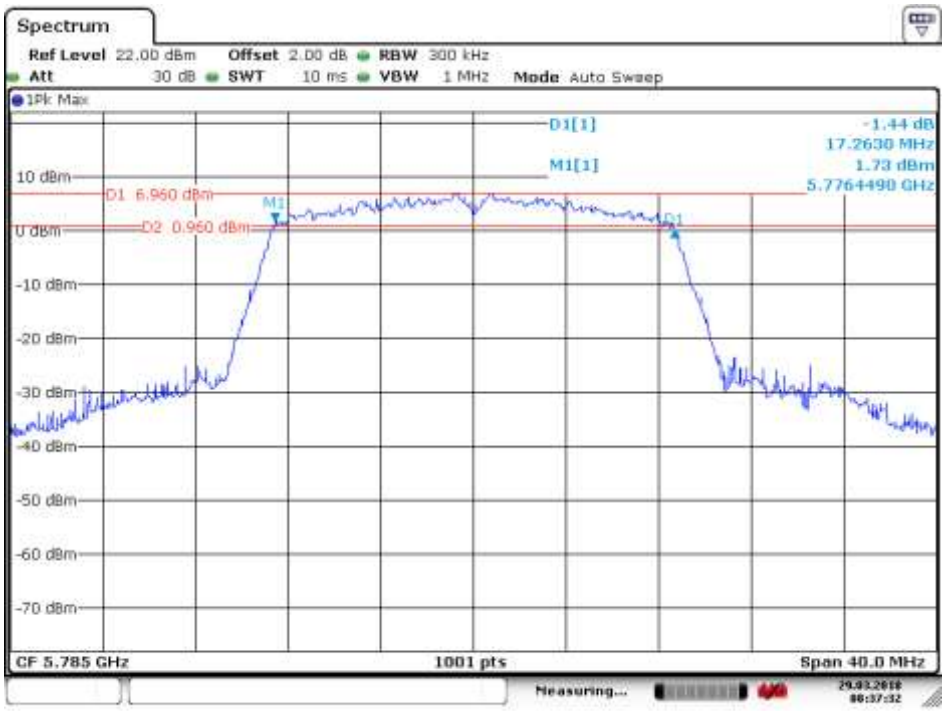
Date: 29.MAR.2018 04:39:59

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



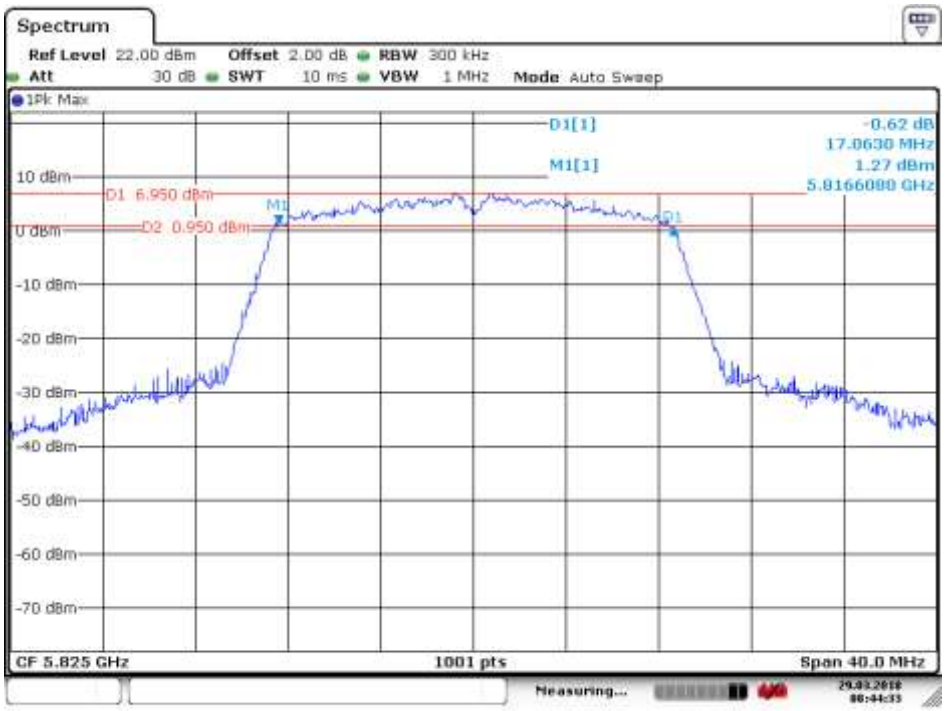
Date: 29.MAR.2018 08:35:04

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



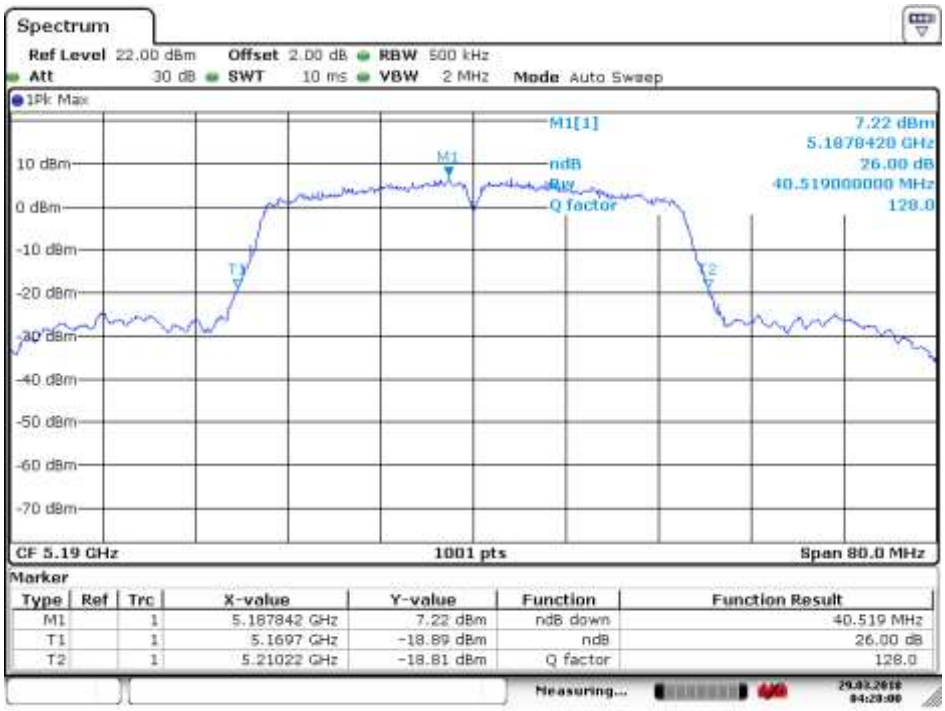
Date: 29.MAR.2018 08:37:32

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



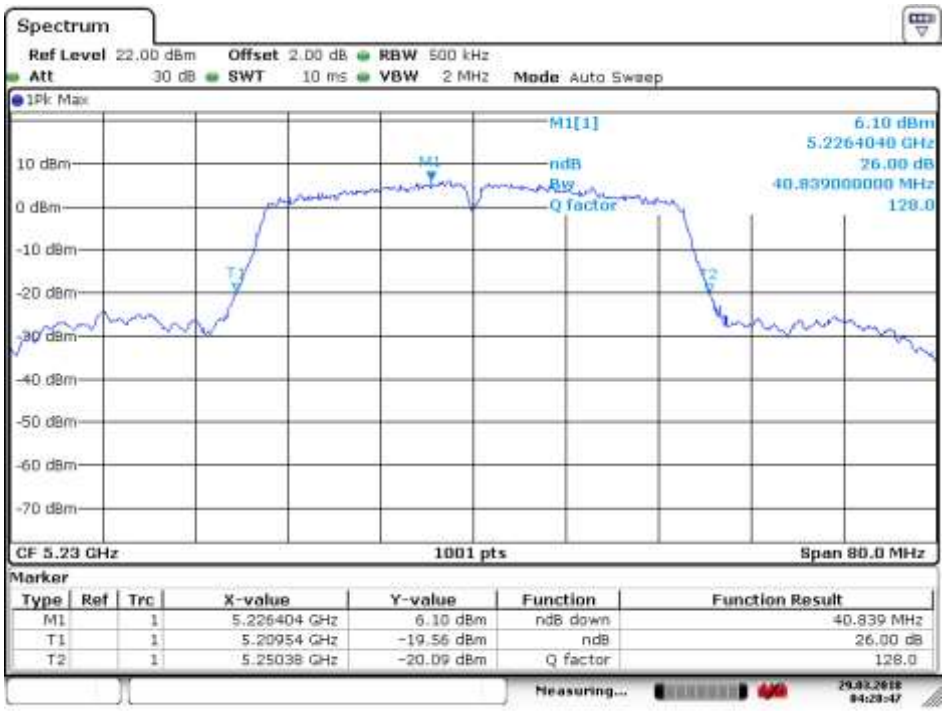
Date: 29.MAR.2018 08:44:33

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



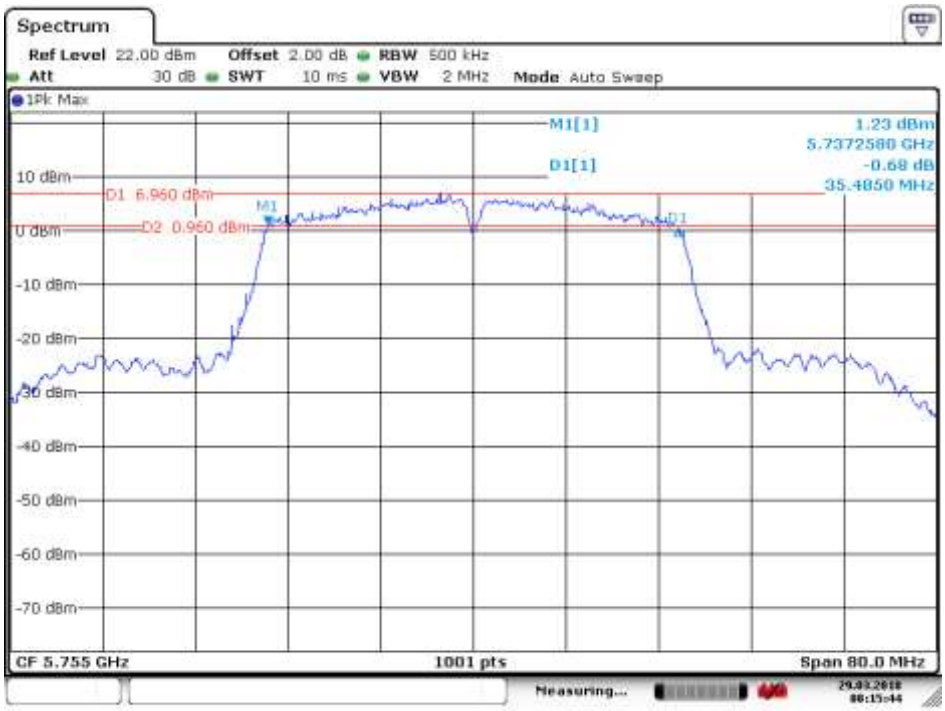
Date: 29.MAR.2018 04:28:01

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



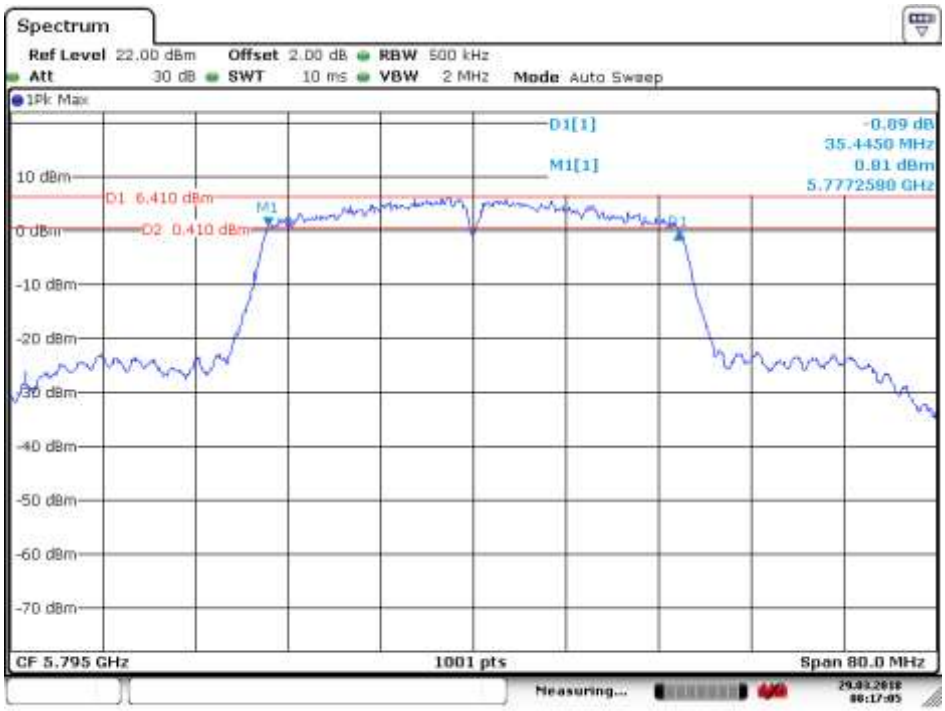
Date: 29.MAR.2018 04:28:47

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



Date: 29.MAR.2018 08:15:44

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

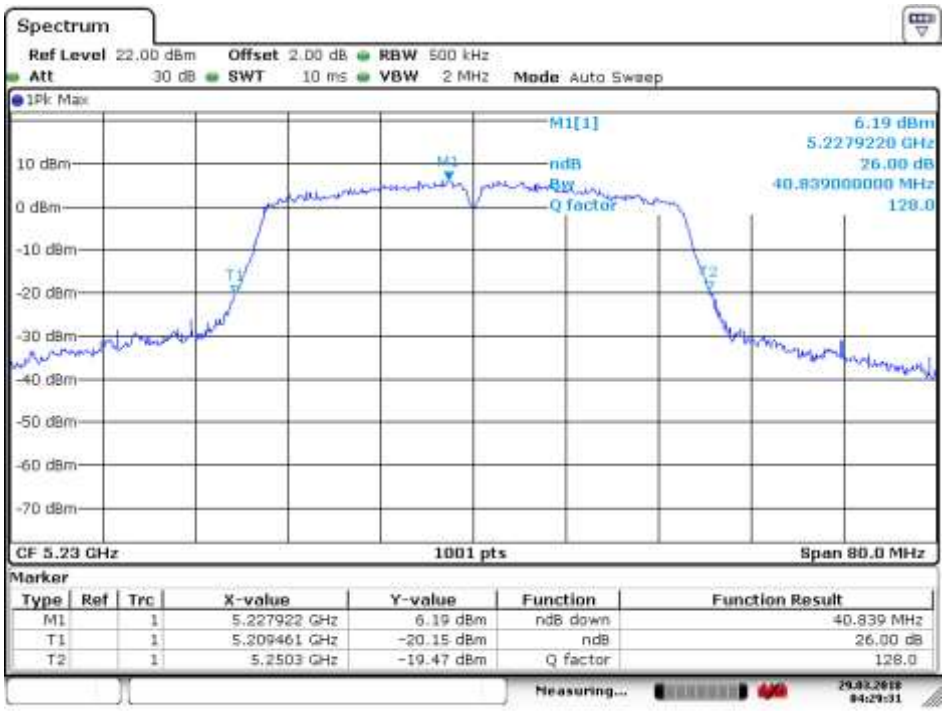


Date: 29.MAR.2018 08:17:05

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

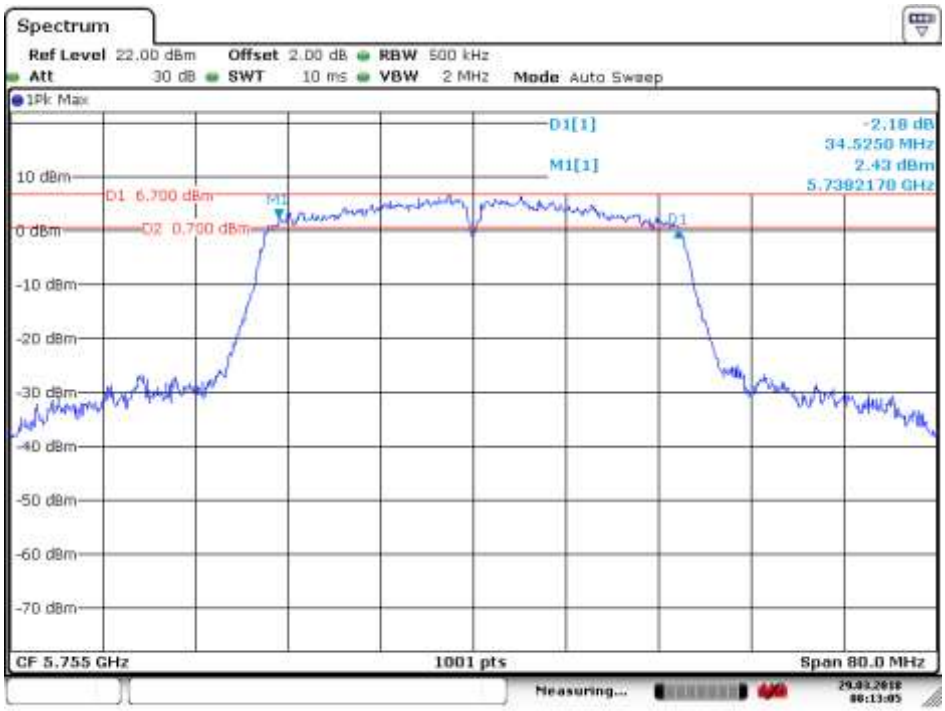
Date: 29.MAR.2018 04:27:12

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

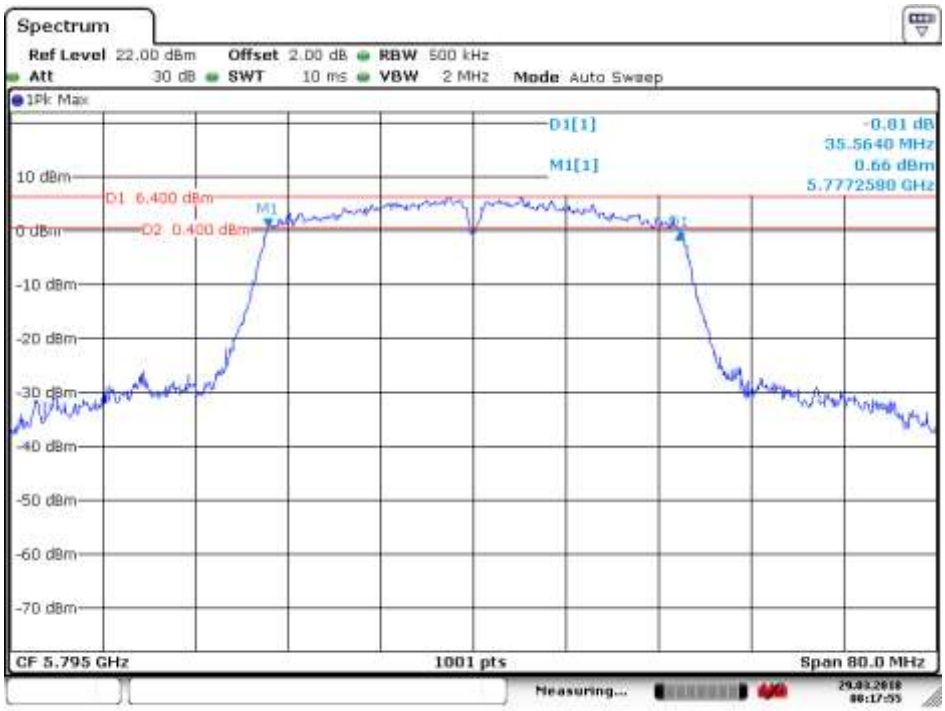


Date: 29.MAR.2018 04:29:32

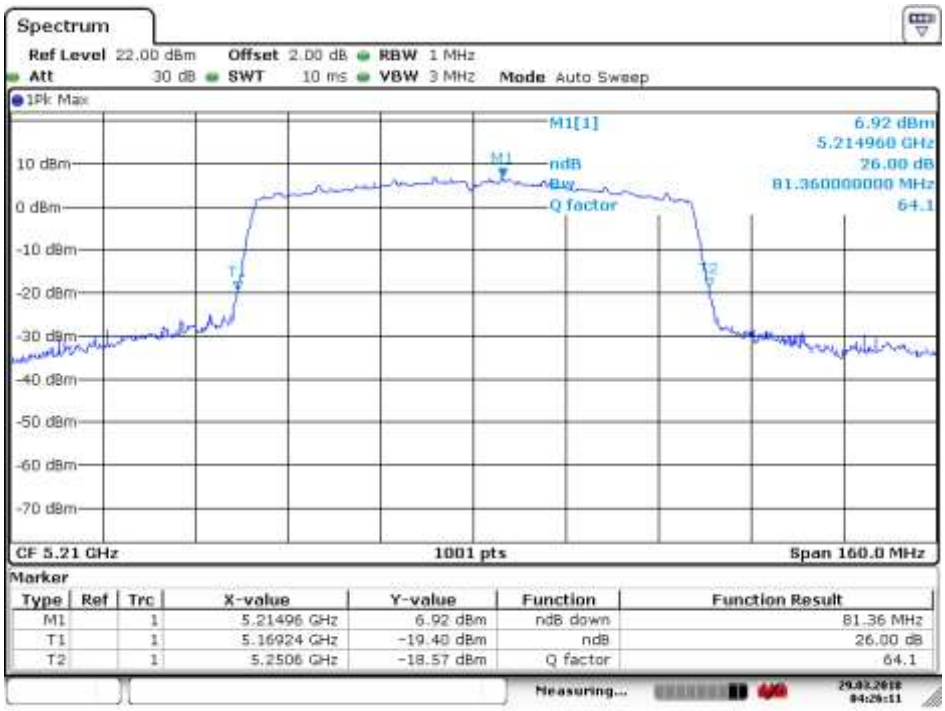
Test mode:	802.11ac(HT40)	Frequency(MHz):	5755



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

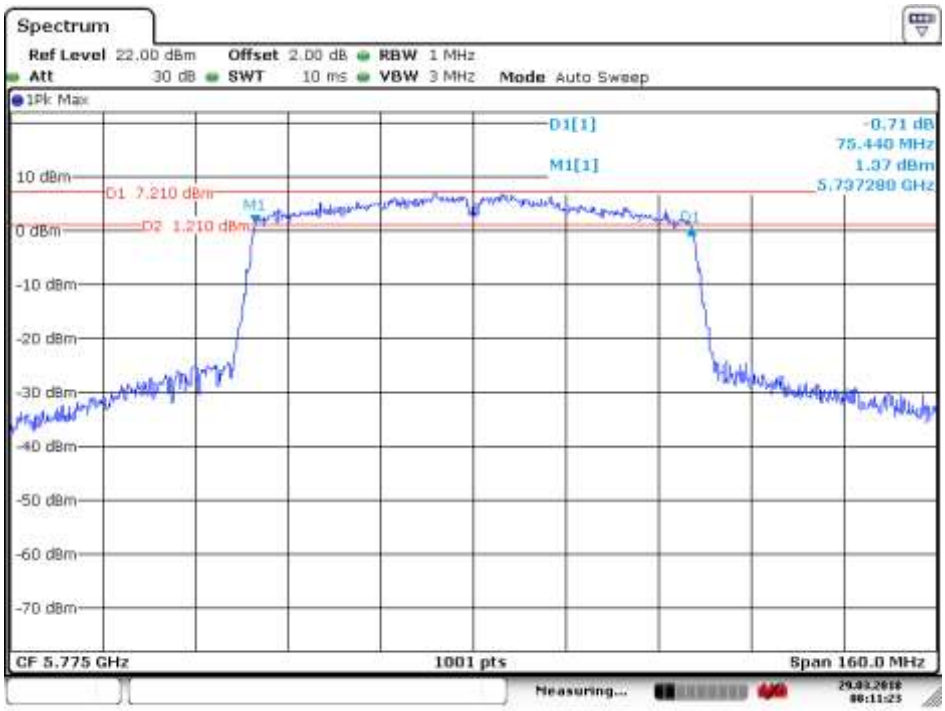


Test mode:	802.11ac(HT80)	Frequency(MHz):	5210



Date: 29.MAR.2018 04:26:12

Test mode:	802.11ac(HT80)	Frequency(MHz):	5775



Date: 29.MAR.2018 08:11:23

6.4.2 99% occupied bandwidth

6.4.2.1 Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180

Test mode:	802.11a	Frequency(MHz):	5220

Test mode:	802.11a	Frequency(MHz):	5240

Test mode:	802.11a	Frequency(MHz):	5745

Date: 29.MAR.2018 05:41:55

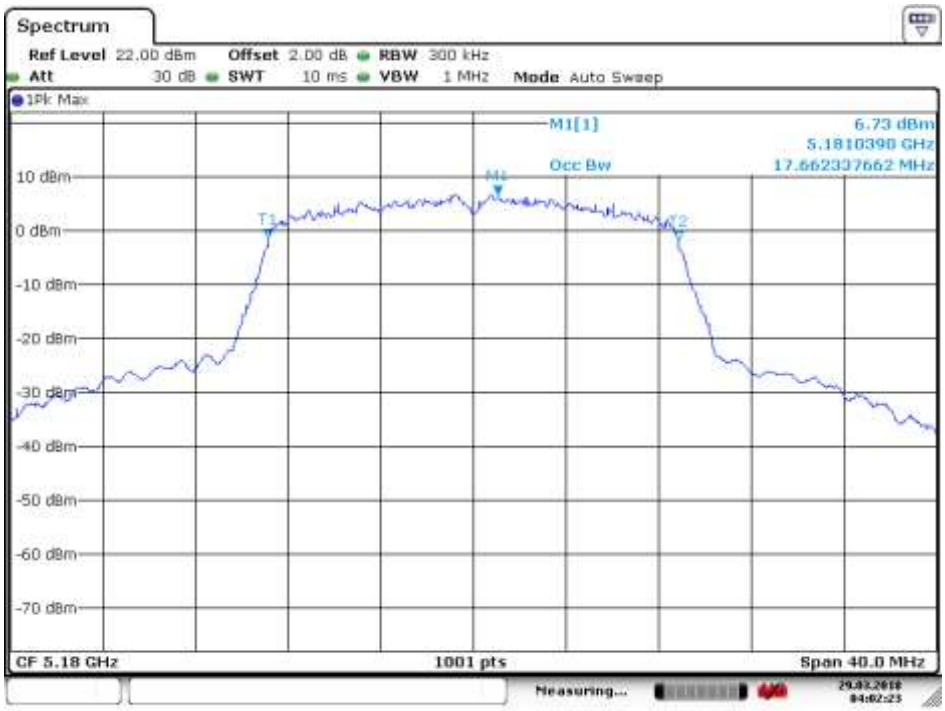
Test mode:	802.11a	Frequency(MHz):	5785

Date: 29.MAR.2018 05:47:10

Test mode:	802.11a	Frequency(MHz):	5825

Date: 29.MAR.2018 05:47:36

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

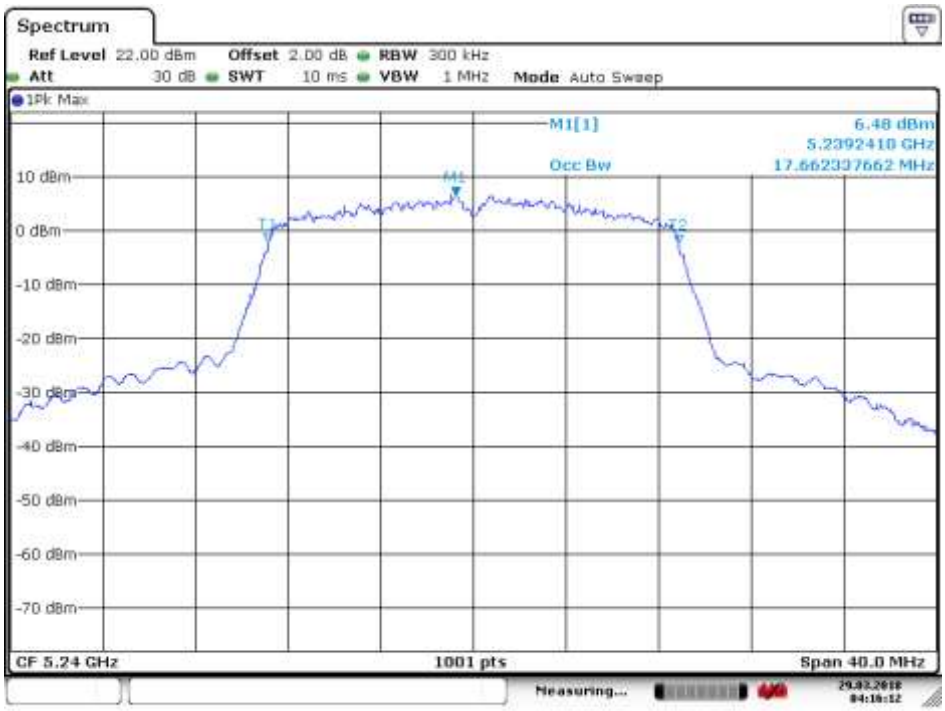


Date: 29.MAR.2018 04:02:23

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

Date: 29.MAR.2018 04:09:46

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



Date: 29.MAR.2018 04:16:12

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

Date: 29.MAR.2018 05:42:33

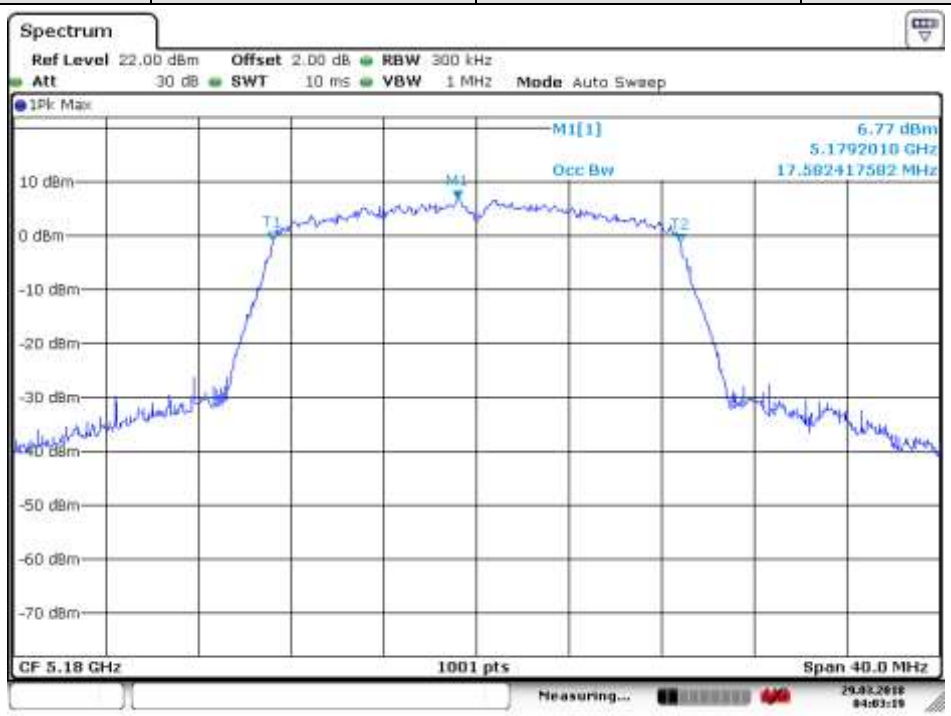
Test mode:	802.11 n(HT20)	Frequency(MHz):	5785

Date: 29.MAR.2018 05:46:28

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

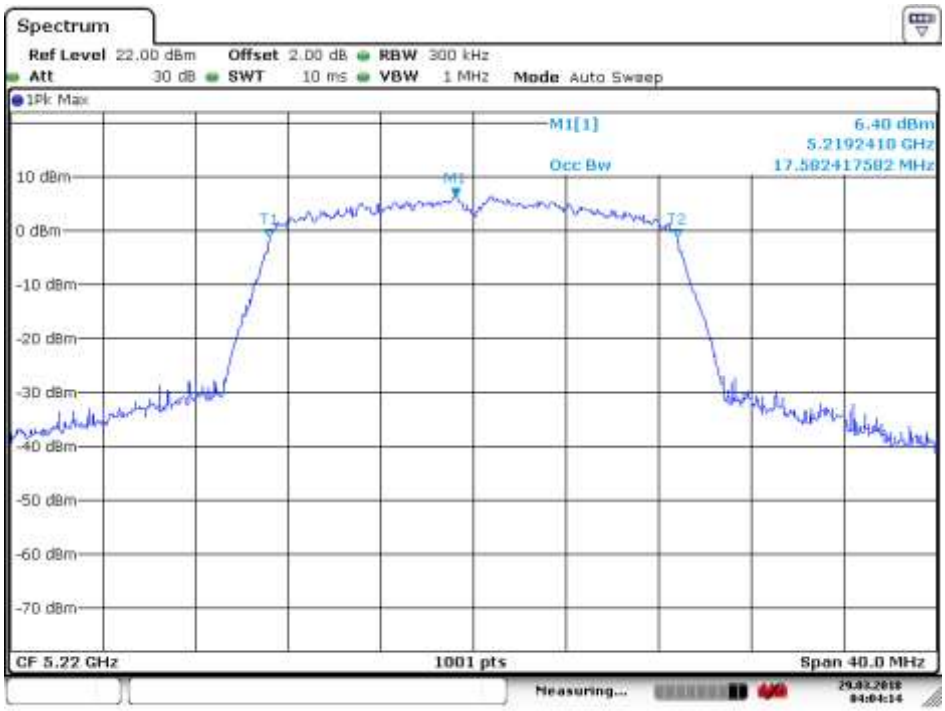
Date: 29.MAR.2018 05:48:21

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



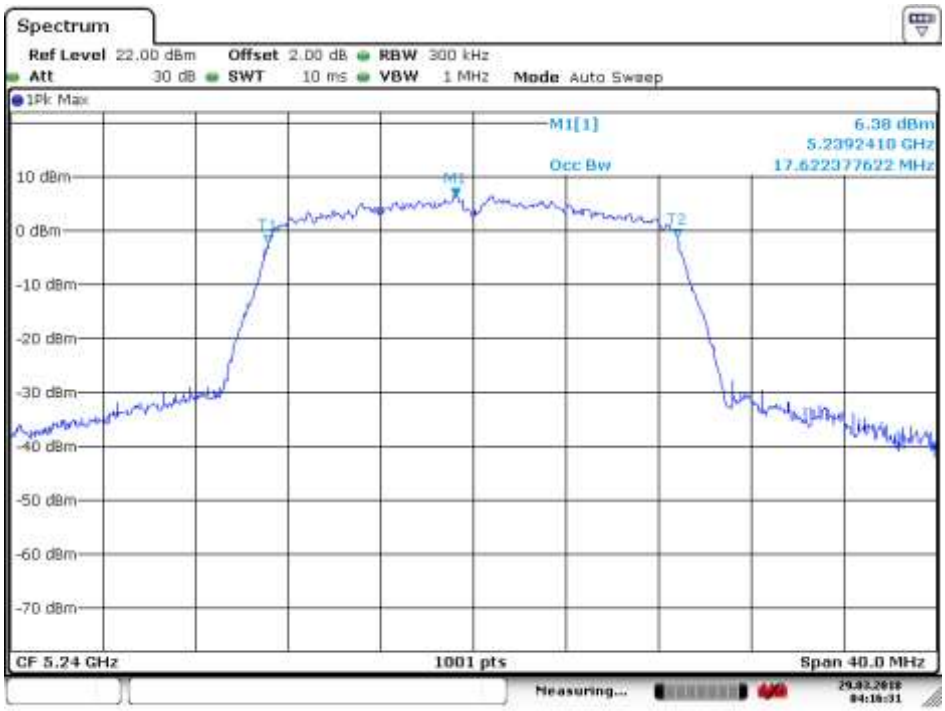
Date: 29.MAR.2018 04:03:20

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



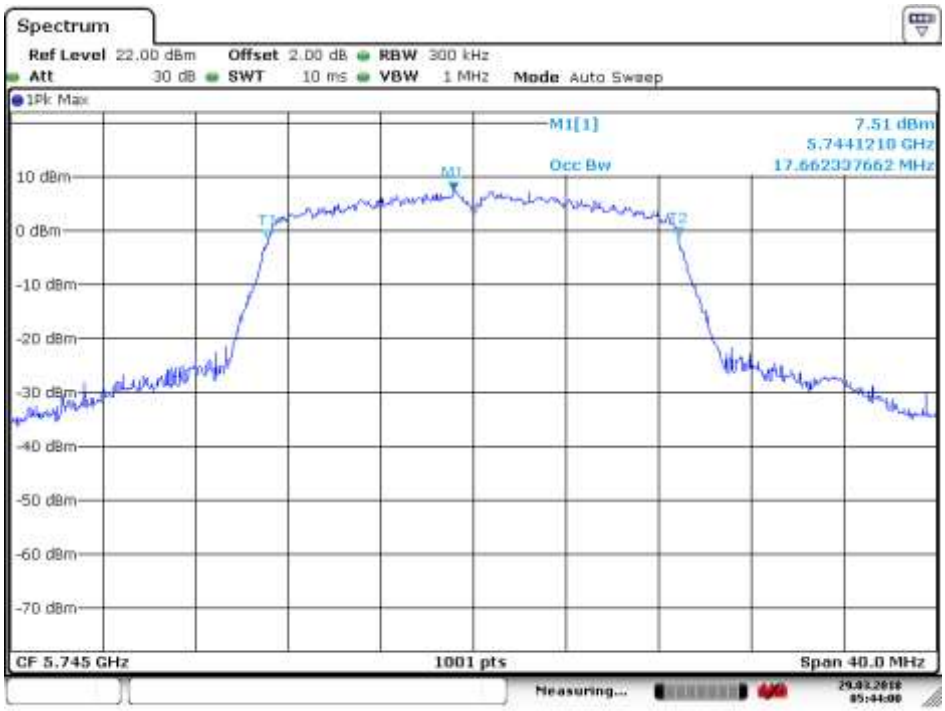
Date: 29.MAR.2018 04:04:15

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



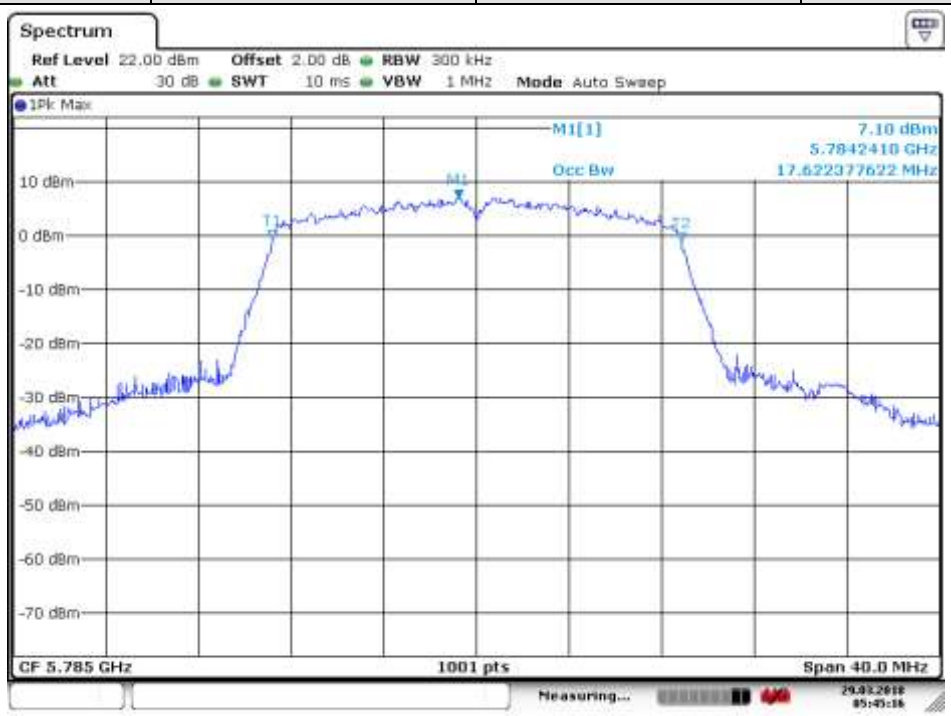
Date: 29.MAR.2018 04:16:32

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



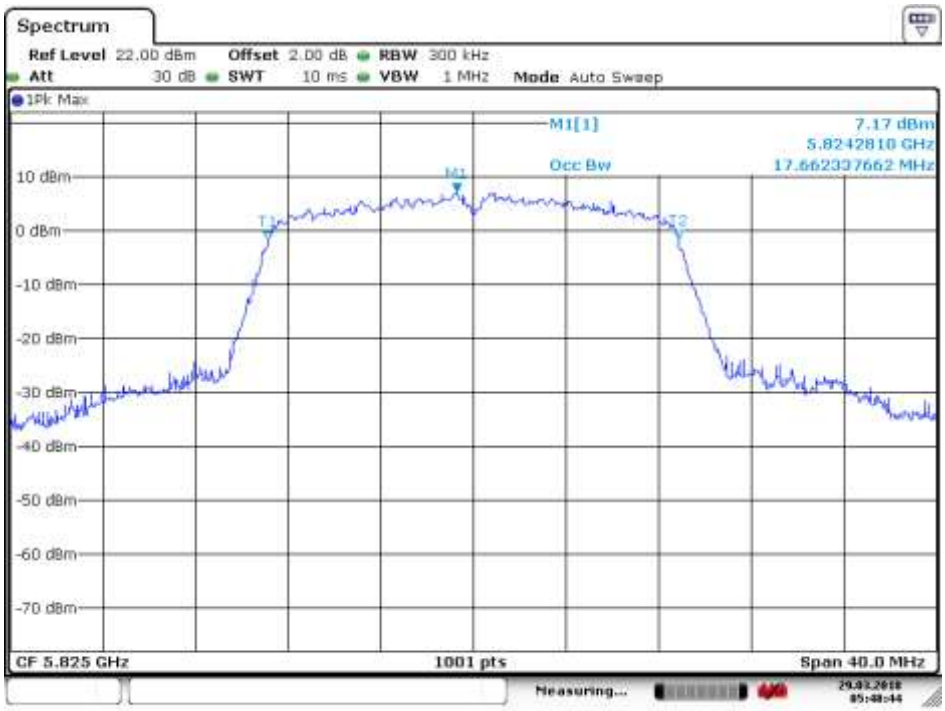
Date: 29.MAR.2018 05:44:00

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



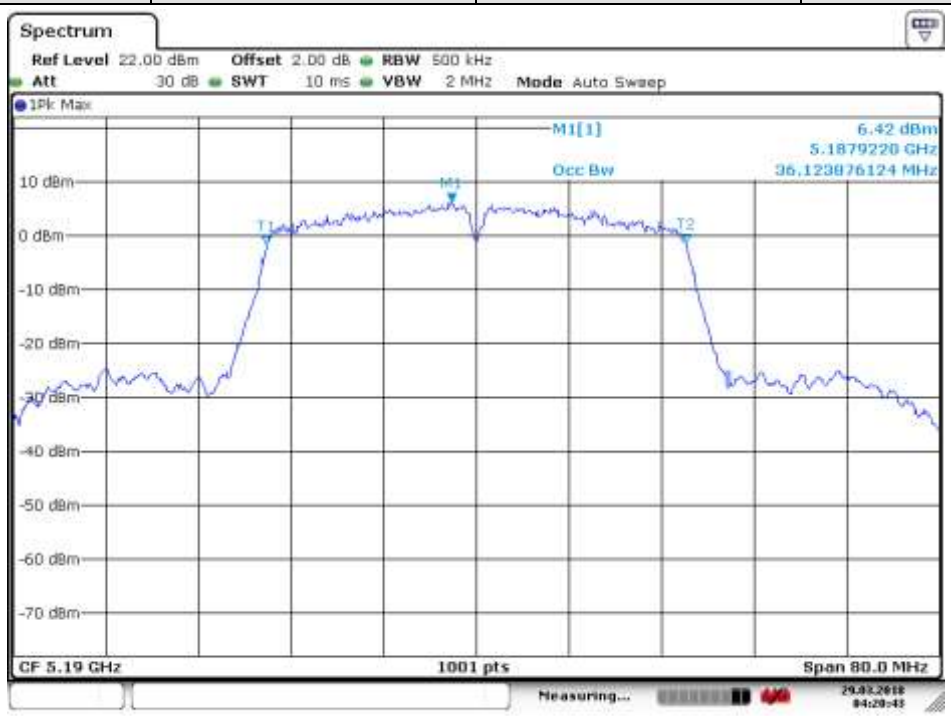
Date: 29.MAR.2018 05:45:16

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



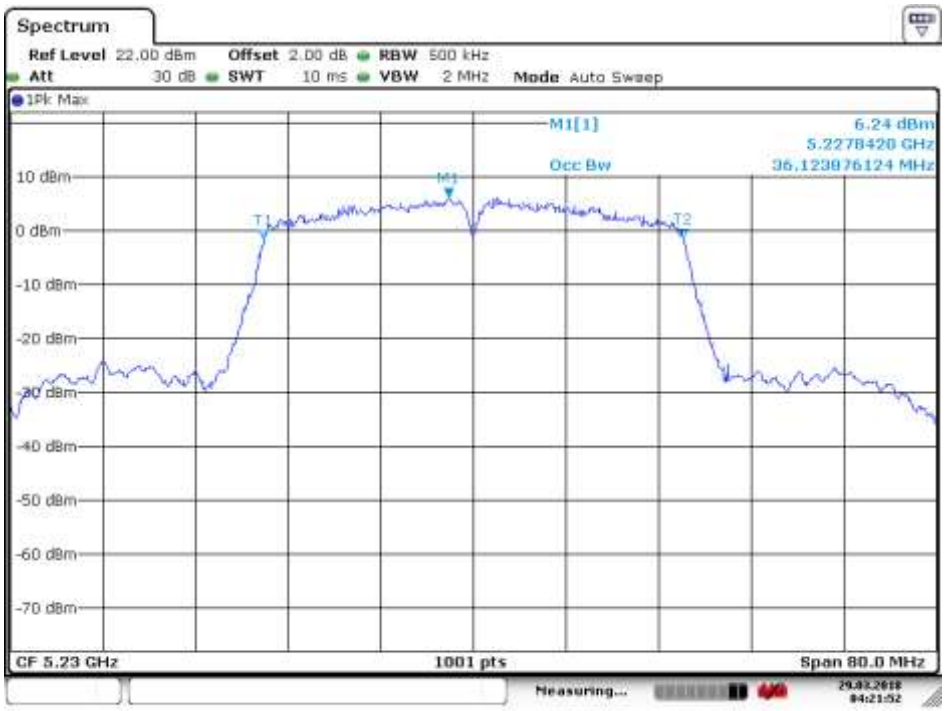
Date: 29.MAR.2018 05:48:44

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



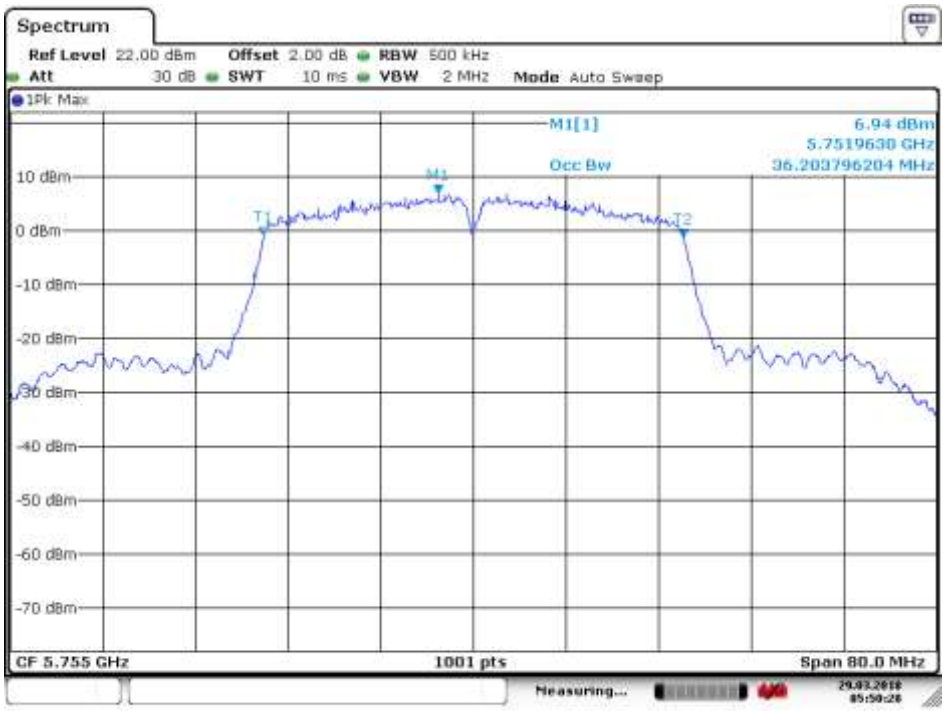
Date: 29.MAR.2018 04:20:43

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



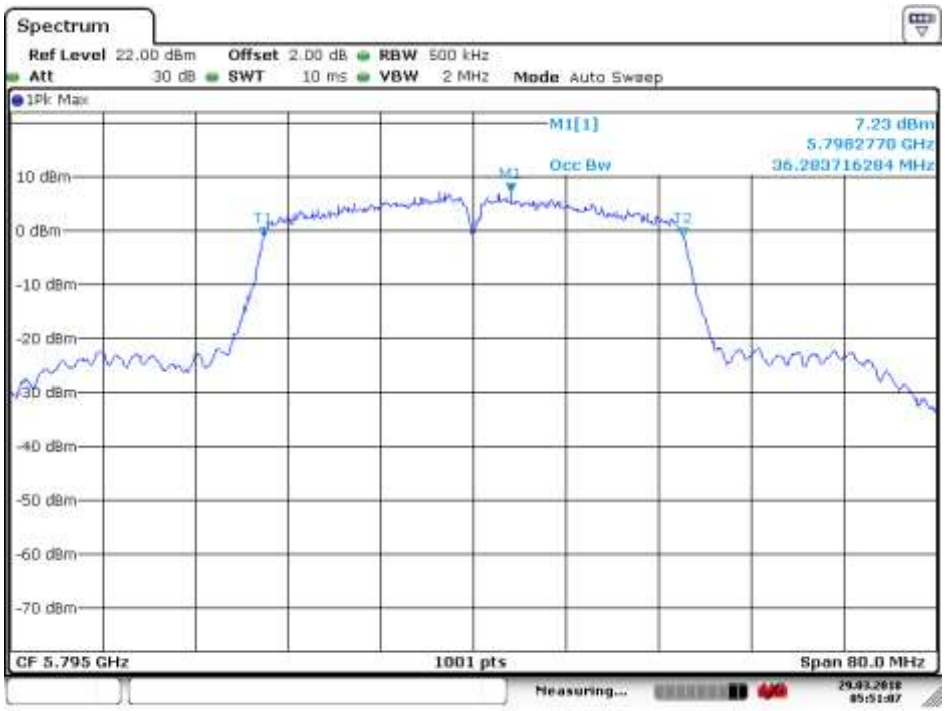
Date: 29.MAR.2018 04:21:52

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



Date: 29.MAR.2018 05:50:28

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

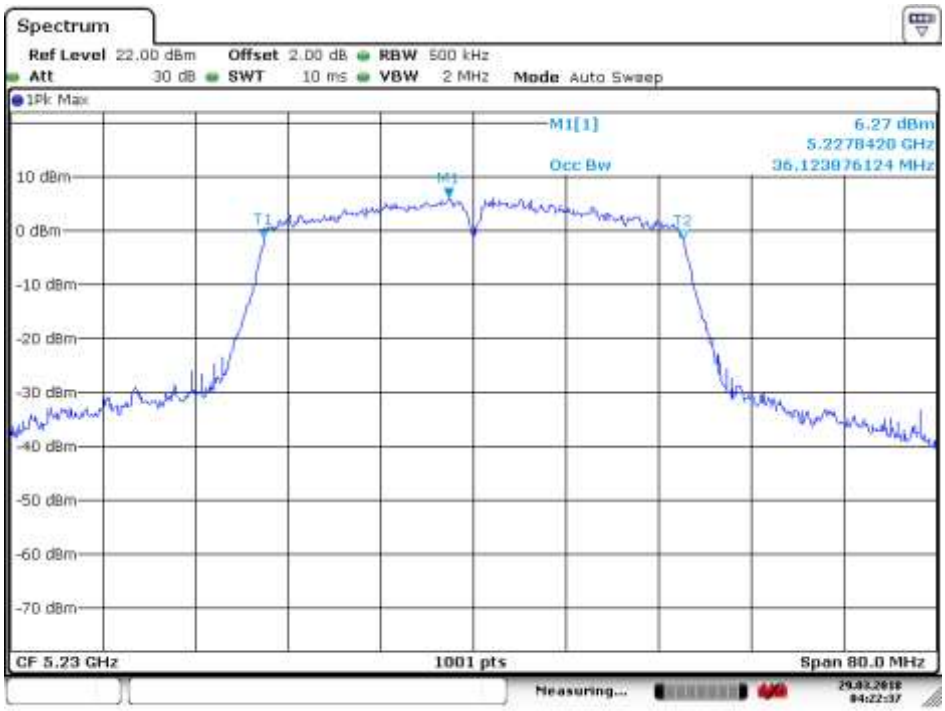


Date: 29.MAR.2018 05:51:07

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

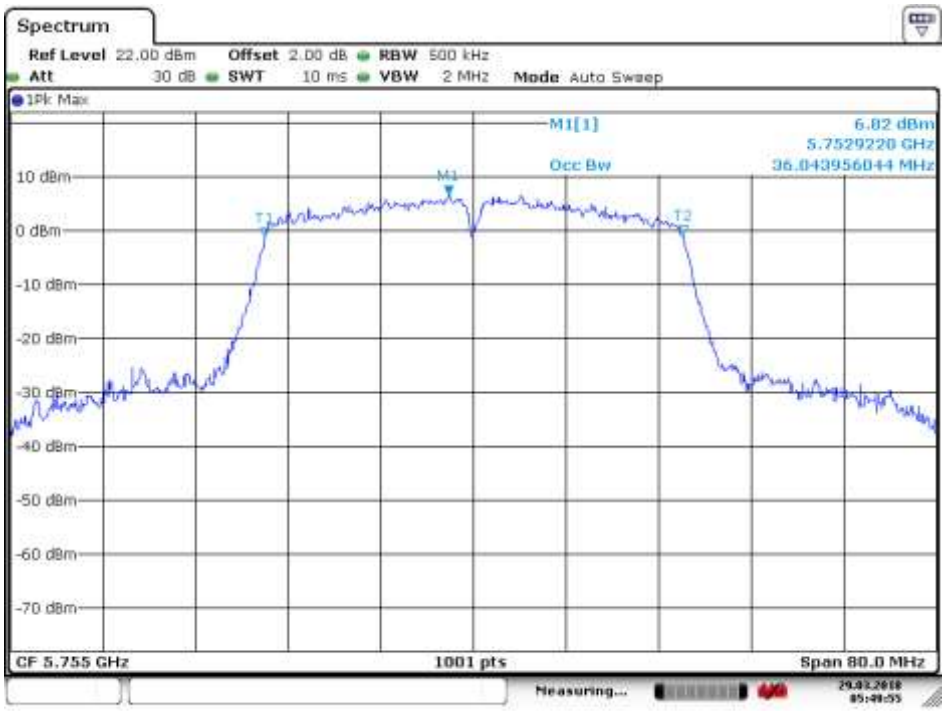
Date: 29.MAR.2018 04:20:03

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



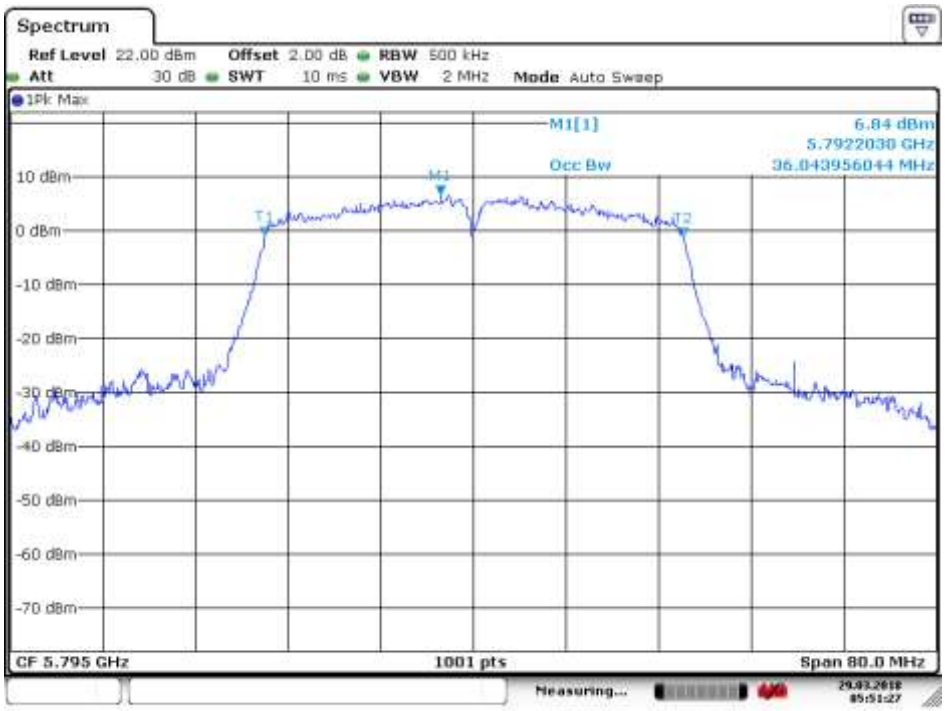
Date: 29.MAR.2018 04:22:38

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



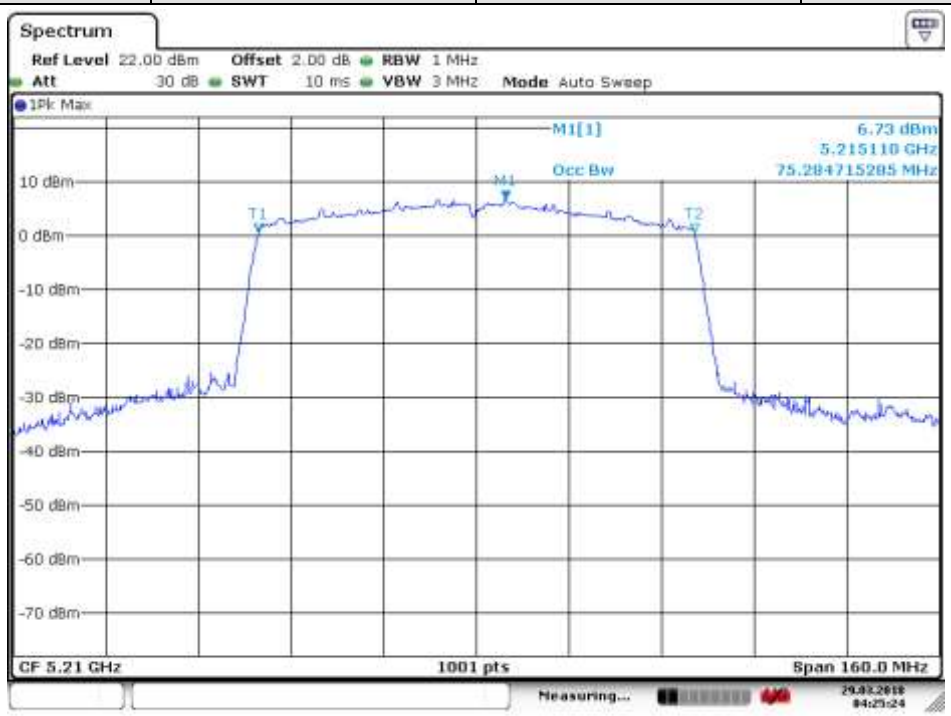
Date: 29.MAR.2018 05:49:55

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



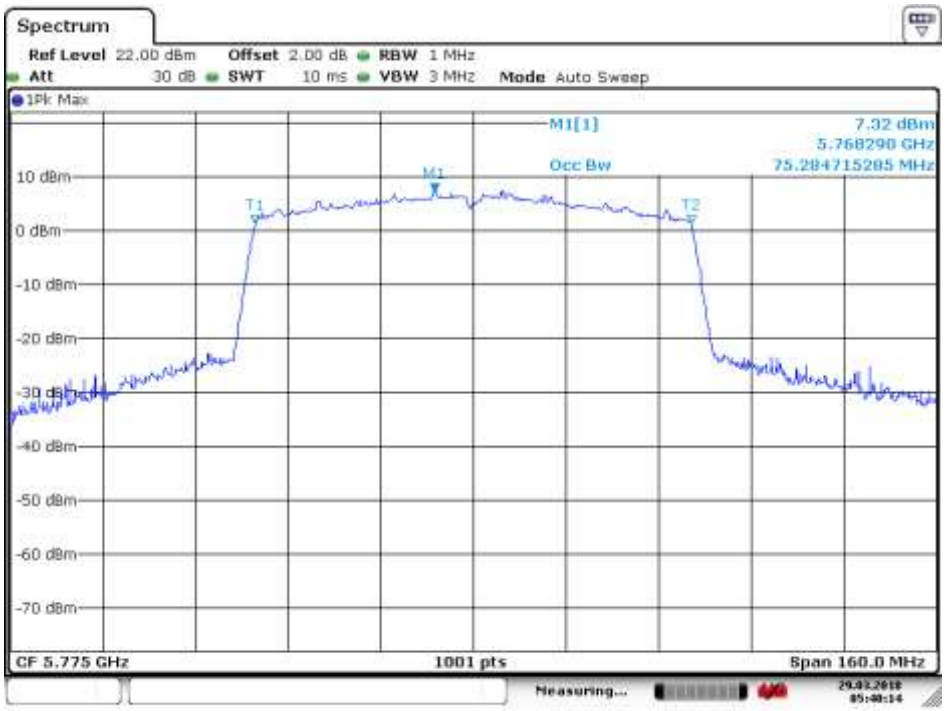
Date: 29.MAR.2018 05:51:28

Test mode:	802.11ac(HT80)	Frequency(MHz):	5210



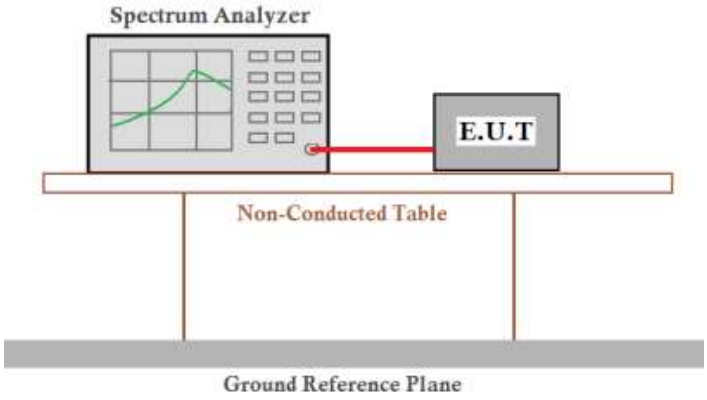
Date: 29.MAR.2018 04:25:24

Test mode:	802.11ac(HT80)	Frequency(MHz):	5775



Date: 29.MAR.2018 05:40:15

6.5 6dB Occupied Bandwidth

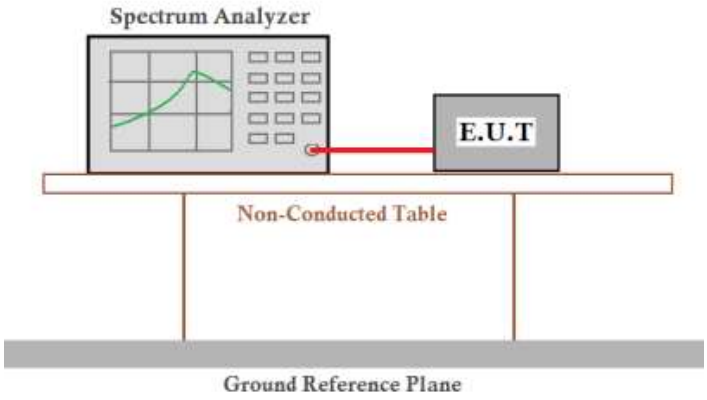
Test Requirement:	47 CFR Part 15 Section 15.407(e)	
Test Method:	ANSI C63.10: 2013	
Test Setup:		
Test Instruments:	Refer to section 5.10 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5725-5850MHz	At lease 500kHz
Test Results:	Pass	

Measurement Data:

802.11a mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit	Result
5745	15.14	≥500	Pass
5785	15.10	≥500	Pass
5825	15.10	≥500	Pass
802.11n(HT20) mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit	Result
5745	15.14	≥500	Pass
5785	15.14	≥500	Pass
5825	15.14	≥500	Pass
802.11ac(HT20) mode			

Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit	Result
5745	15.10	≥500	Pass
5785	15.14	≥500	Pass
5825	15.14	≥500	Pass
802.11n(HT40) mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit	Result
5755	33.97	≥500	Pass
5795	33.97	≥500	Pass
802.11ac(HT40) mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit	Result
5755	35.17	≥500	Pass
5795	33.89	≥500	Pass
802.11ac(HT80) mode			
Frequency (MHz)	6dB Occupy Bandwidth (MHz)	Limit	Result
5775	75.28	≥500	Pass

6.6 Power Spectral Density

Test Requirement:	47 CFR Part 15 Section 15.407(a)	
Test Method:	ANSI C63.10: 2013	
Test Setup:		
Test Instruments:	Refer to section 5.10 for details	
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates	
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80). Only the worst case is recorded in the report.	
Limit:	Frequency Band	Limit
	5150-5250MHz	The power spectral density less than 11dBm/1MHz
	5250-5350MHz	The power spectral density less than 11dBm/1MHz
	5470-5725MHz	The power spectral density less than 11dBm/1MHz
Test Results:	Pass	

Measurement Data:

802.11a mode			
Frequency (MHz)	Power Spectral Density	Limit	Result
5180	7.03	≤11dBm/1MHz	Pass
5220	6.90	≤11dBm/1MHz	Pass
5240	6.79	≤11dBm/1MHz	Pass
5745	6.35	≤30dBm/500kHz	Pass
5785	6.26	≤30dBm/500kHz	Pass
5825	5.87	≤30dBm/500kHz	Pass

802.11n(HT20) mode			
Frequency (MHz)	Power Spectral Density	Limit	Result
5180	5.48	≤11dBm/1MHz	Pass
5220	5.79	≤11dBm/1MHz	Pass
5240	5.20	≤11dBm/1MHz	Pass
5745	5.28	≤30dBm/500kHz	Pass
5785	5.21	≤30dBm/500kHz	Pass
5825	5.05	≤30dBm/500kHz	Pass

802.11ac(HT20) mode			
Frequency (MHz)	Power Spectral Density	Limit	Result
5180	5.43	≤11dBm/1MHz	Pass
5220	5.40	≤11dBm/1MHz	Pass
5240	5.49	≤11dBm/1MHz	Pass
5745	5.31	≤30dBm/500kHz	Pass
5785	5.28	≤30dBm/500kHz	Pass
5825	5.06	≤30dBm/500kHz	Pass

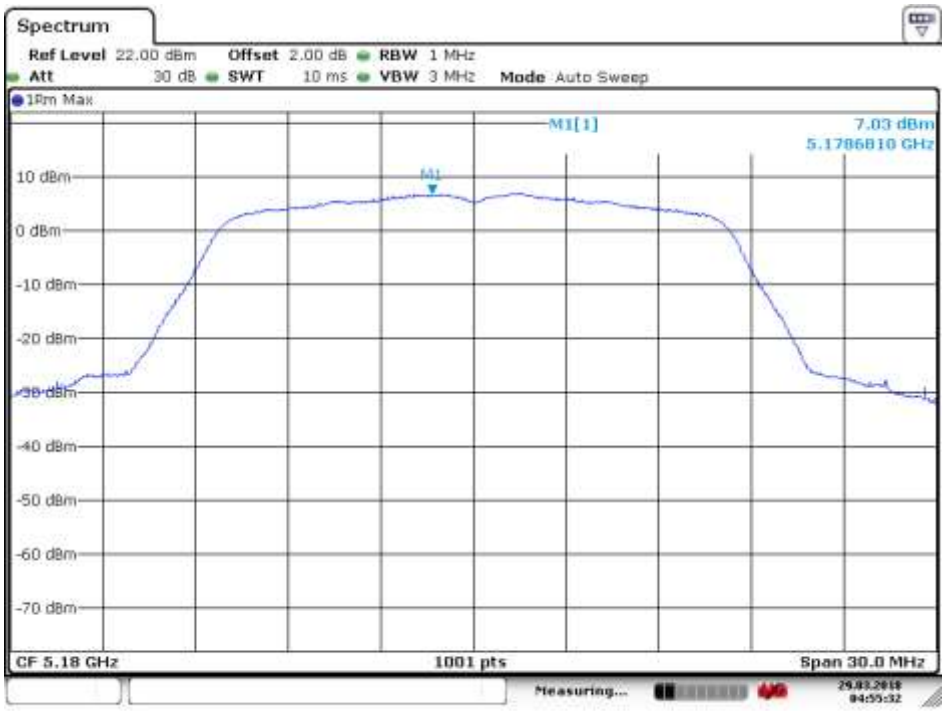
802.11n(HT40) mode			
Frequency (MHz)	Power Spectral Density	Limit	Result
5755	2.79	≤30dBm/500kHz	Pass
5795	2.62	≤30dBm/500kHz	Pass

802.11ac(HT40) mode			
Frequency (MHz)	Power Spectral Density	Limit	Result
5755	2.70	≤30dBm/500kHz	Pass
5795	2.28	≤30dBm/500kHz	Pass

802.11ac(HT80) mode			
Frequency (MHz)	Power Spectral Density	Limit	Result
5775	-0.13	≤30dBm/500kHz	Pass

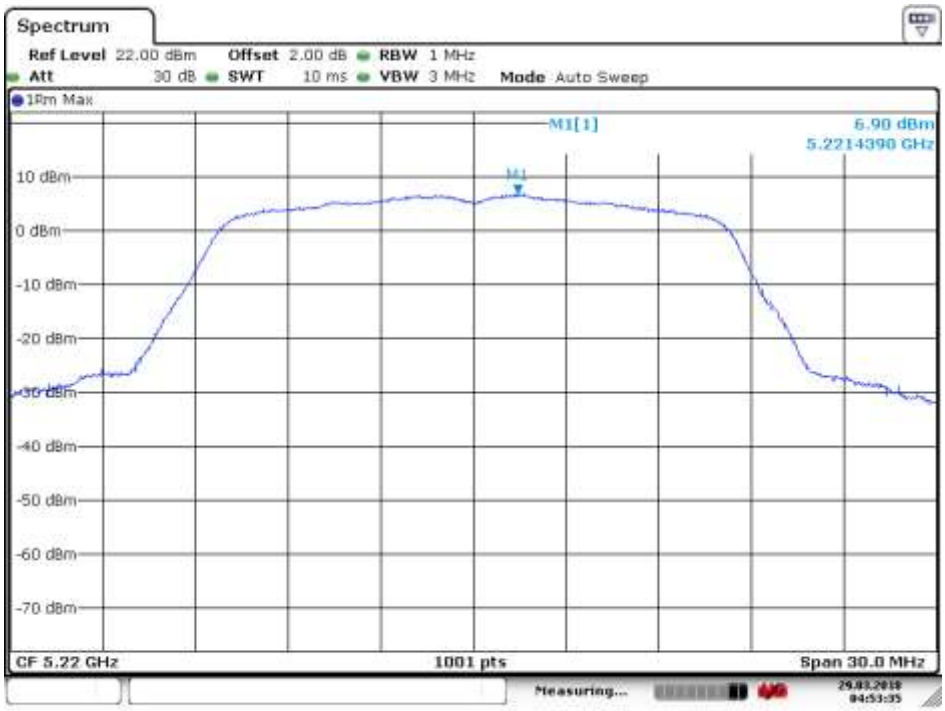
Test plot as follows:

Test mode:	802.11a	Frequency(MHz):	5180



Date: 29.MAR.2018 04:55:32

Test mode:	802.11a	Frequency(MHz):	5220

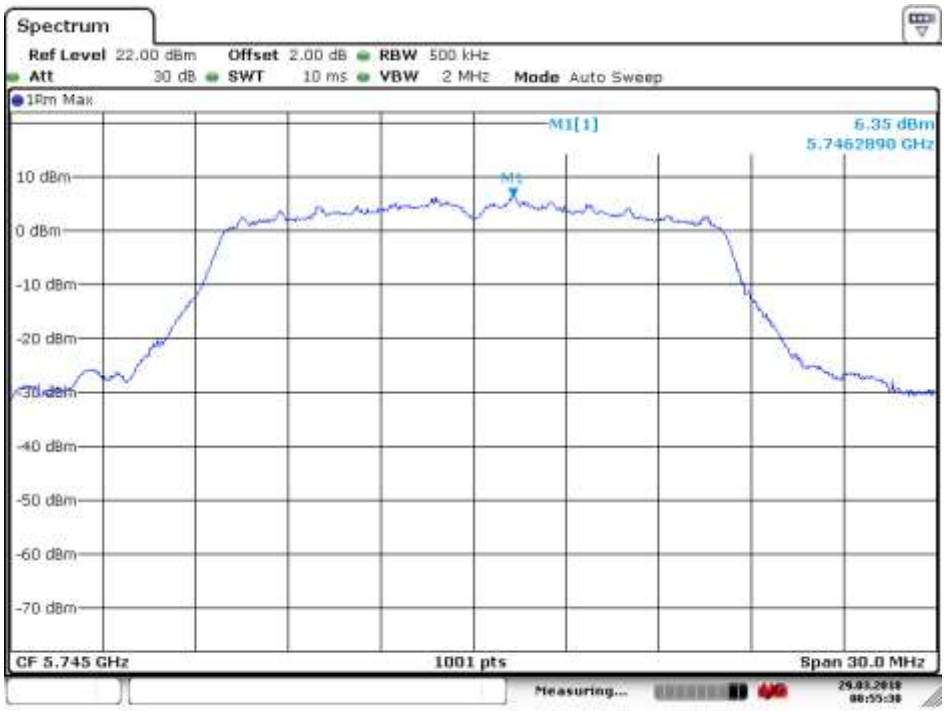


Date: 29.MAR.2018 04:53:35

Test mode:	802.11a	Frequency(MHz):	5240

Date: 29.MAR.2018 04:48:29

Test mode:	802.11a	Frequency(MHz):	5745

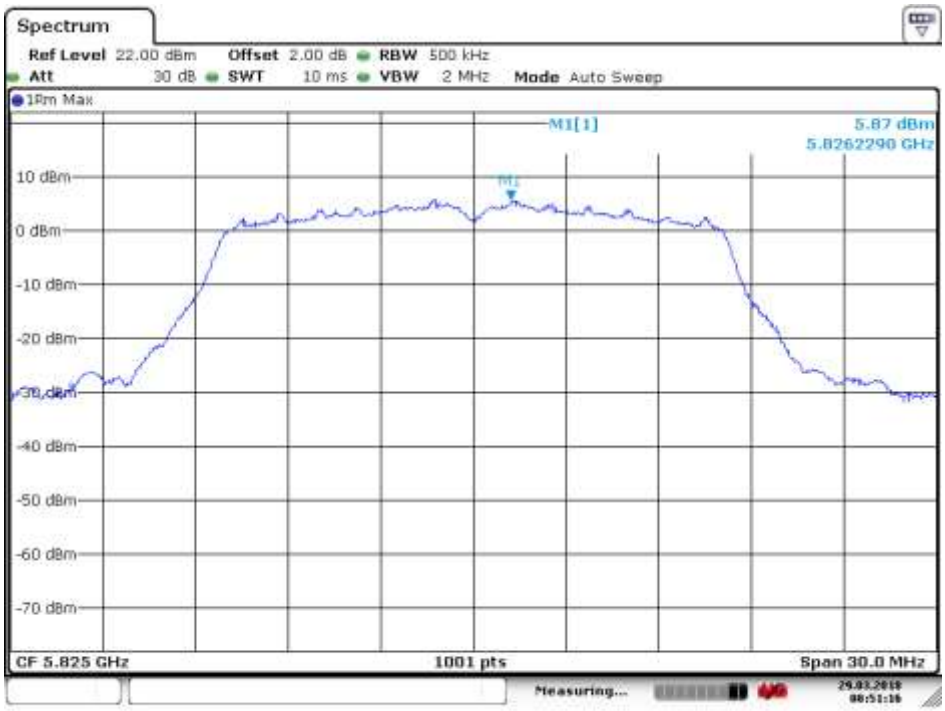


Date: 29.MAR.2018 08:55:38

Test mode:	802.11a	Frequency(MHz):	5785

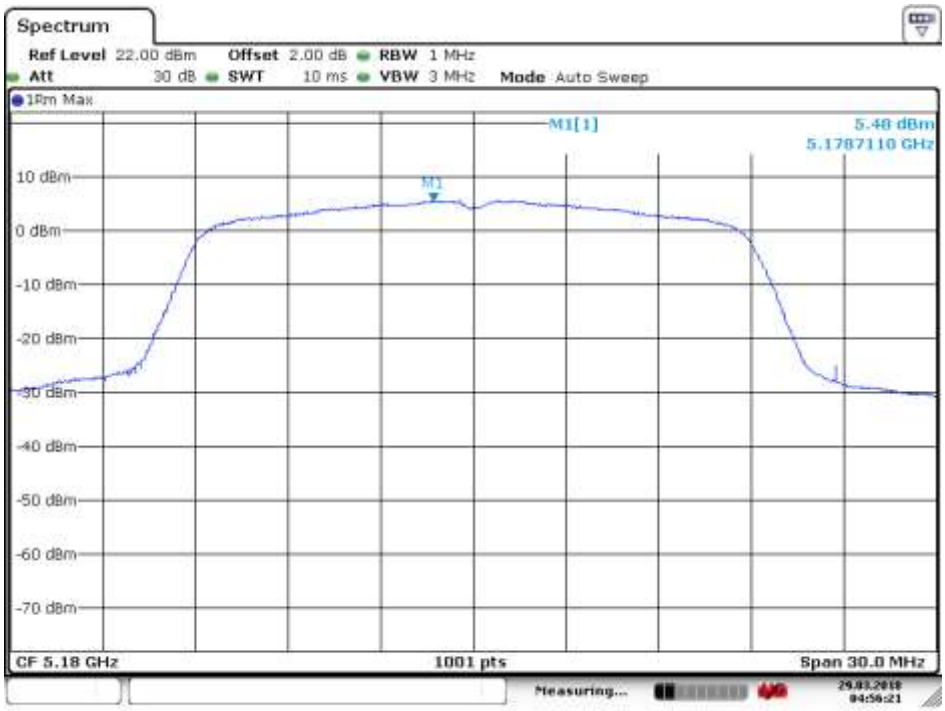
Date: 29.MAR.2018 08:51:45

Test mode:	802.11a	Frequency(MHz):	5825



Date: 29.MAR.2018 08:51:16

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

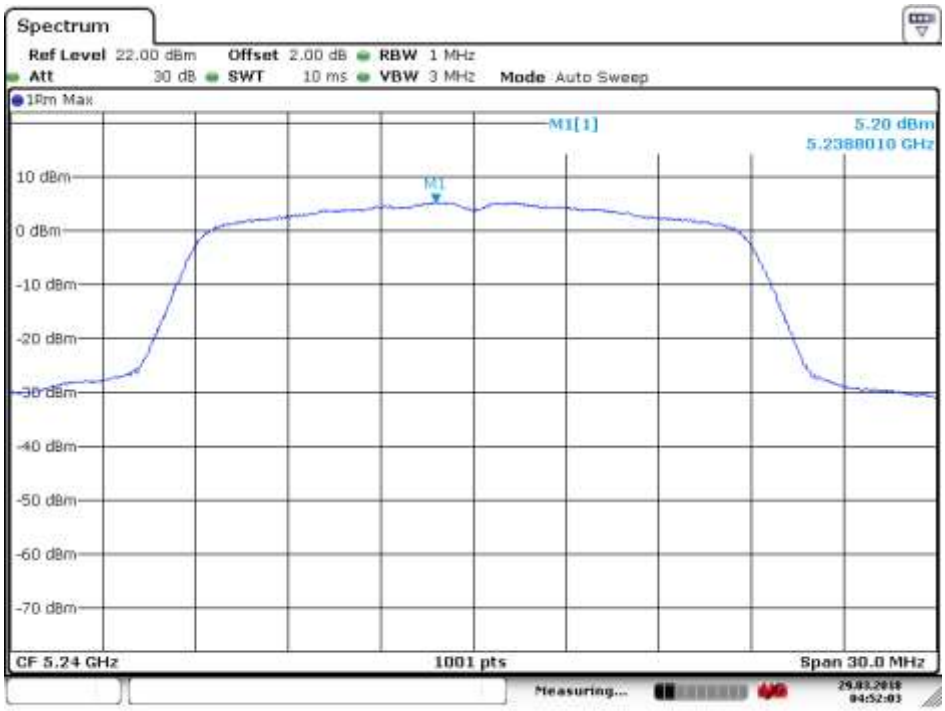


Date: 29.MAR.2018 04:56:22

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

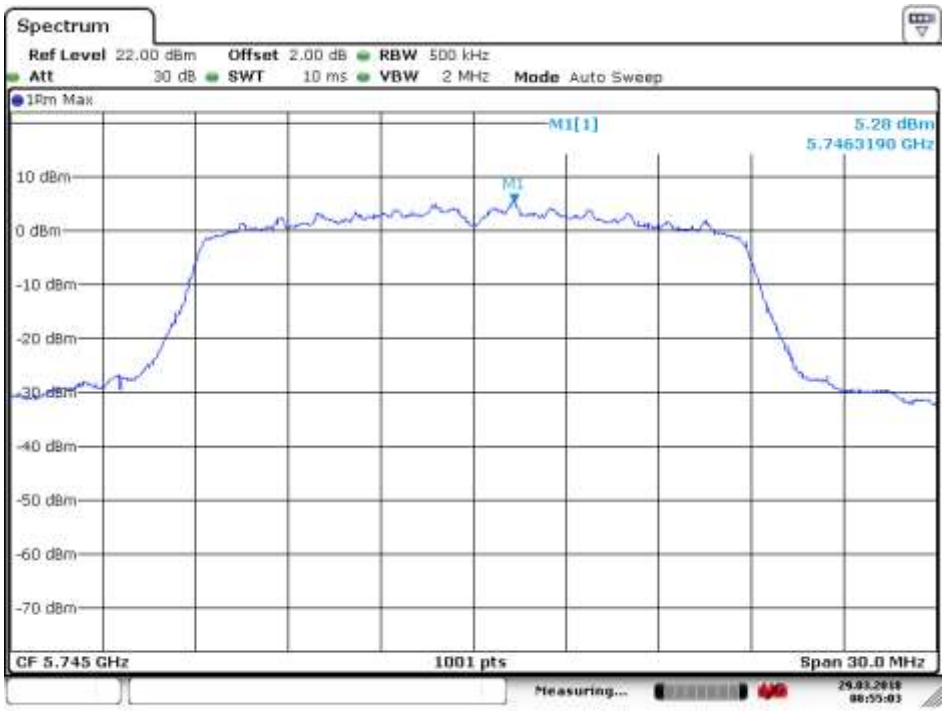
Date: 29.MAR.2018 04:52:50

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



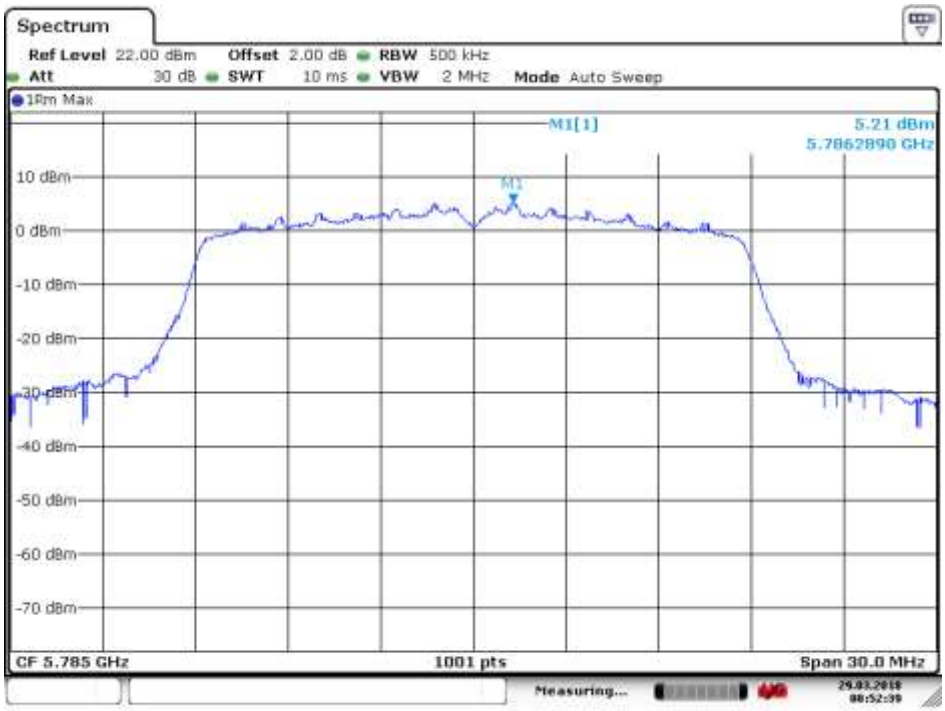
Date: 29.MAR.2018 04:52:03

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



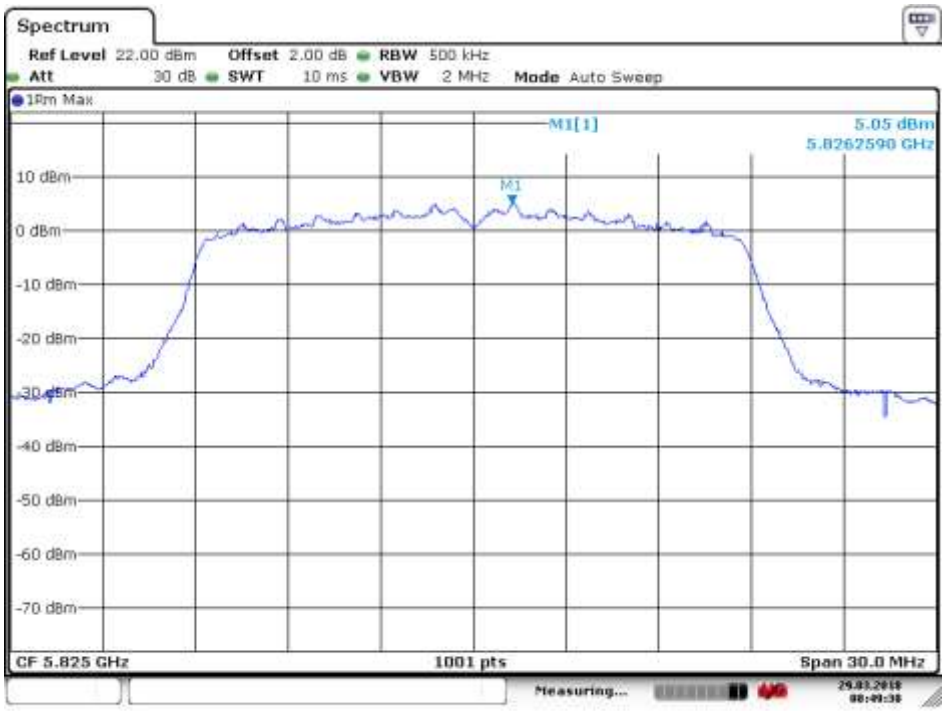
Date: 29.MAR.2018 08:55:04

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



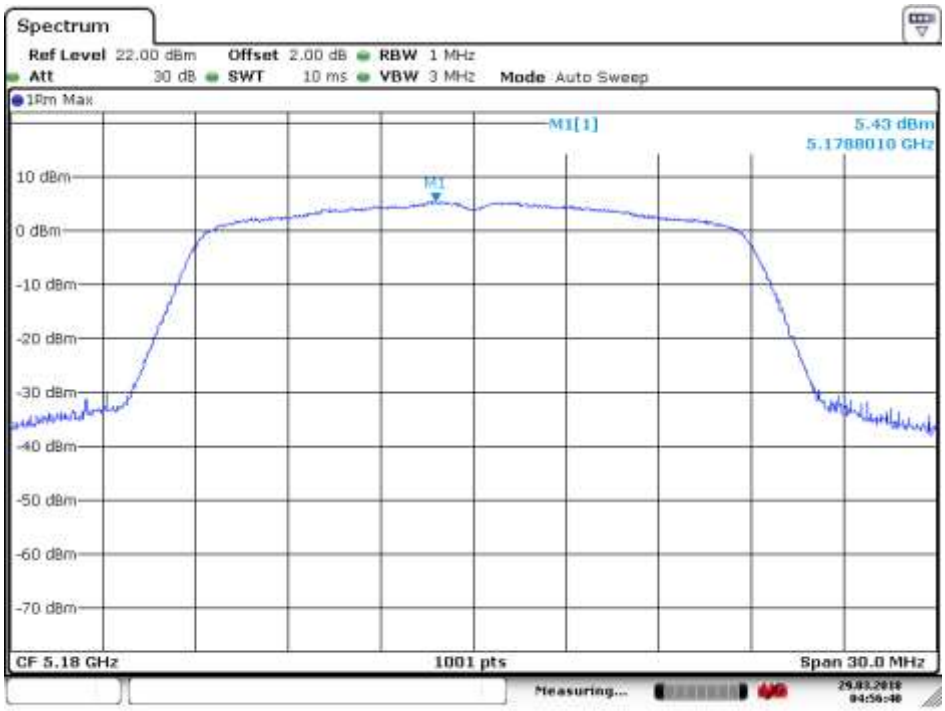
Date: 29.MAR.2018 08:52:40

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



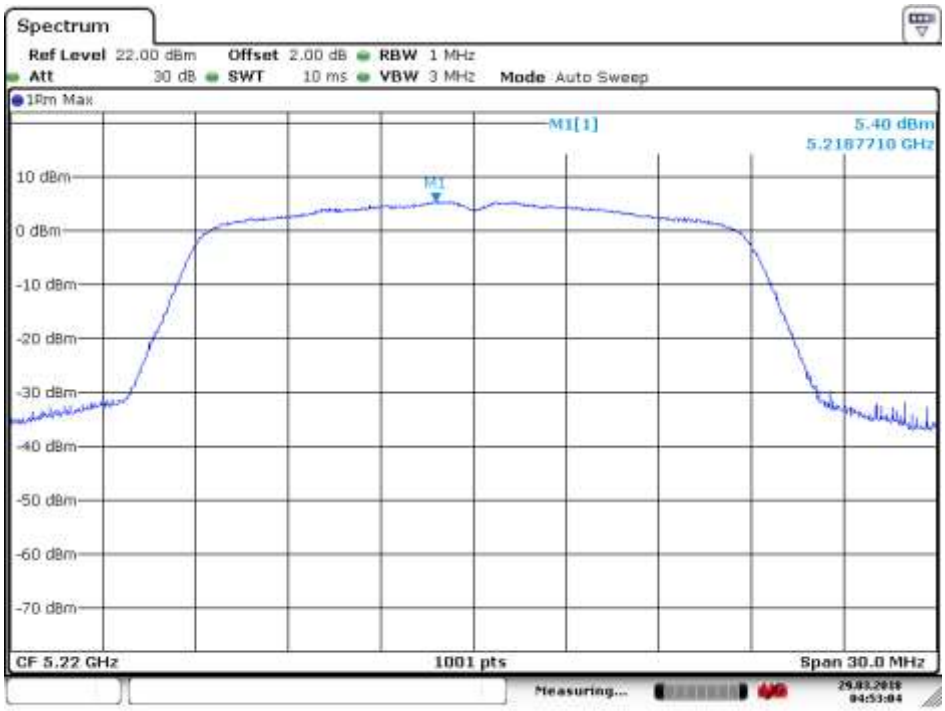
Date: 29.MAR.2018 08:49:38

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



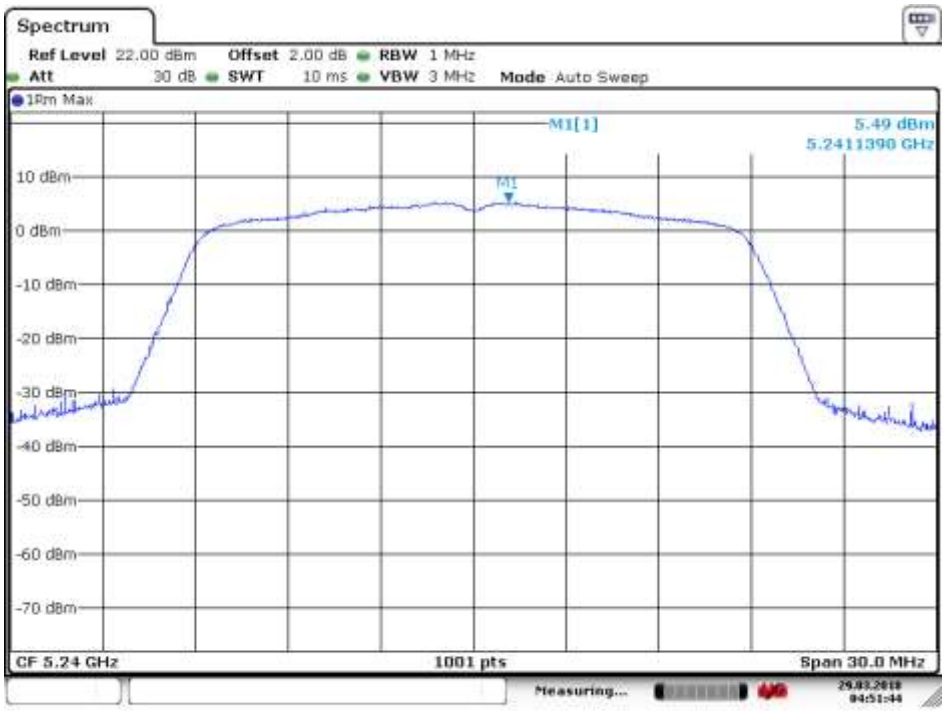
Date: 29.MAR.2018 04:56:40

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



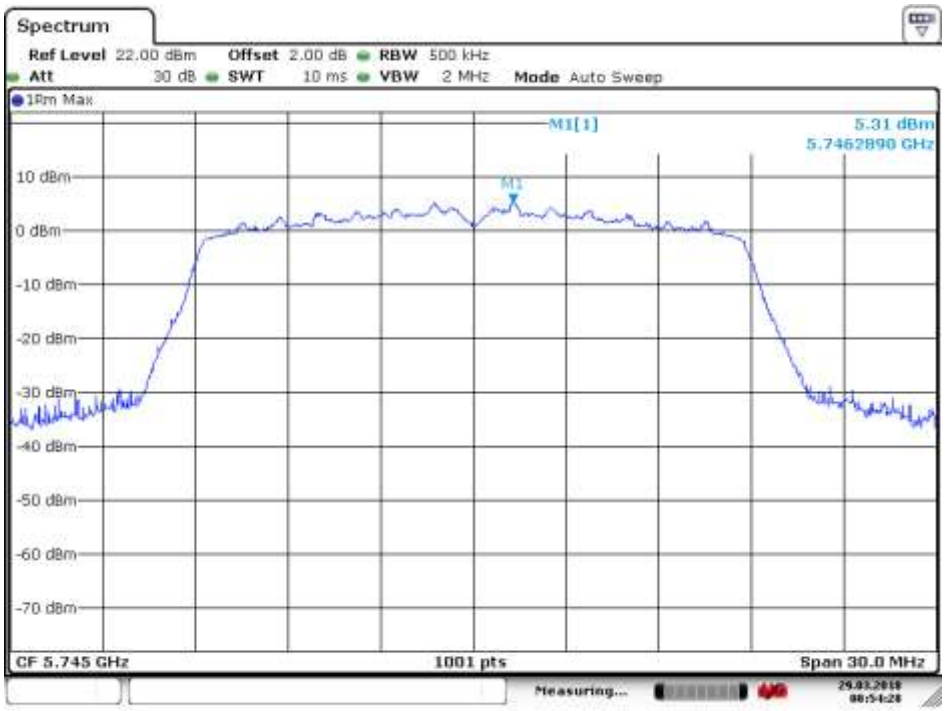
Date: 29.MAR.2018 04:53:04

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



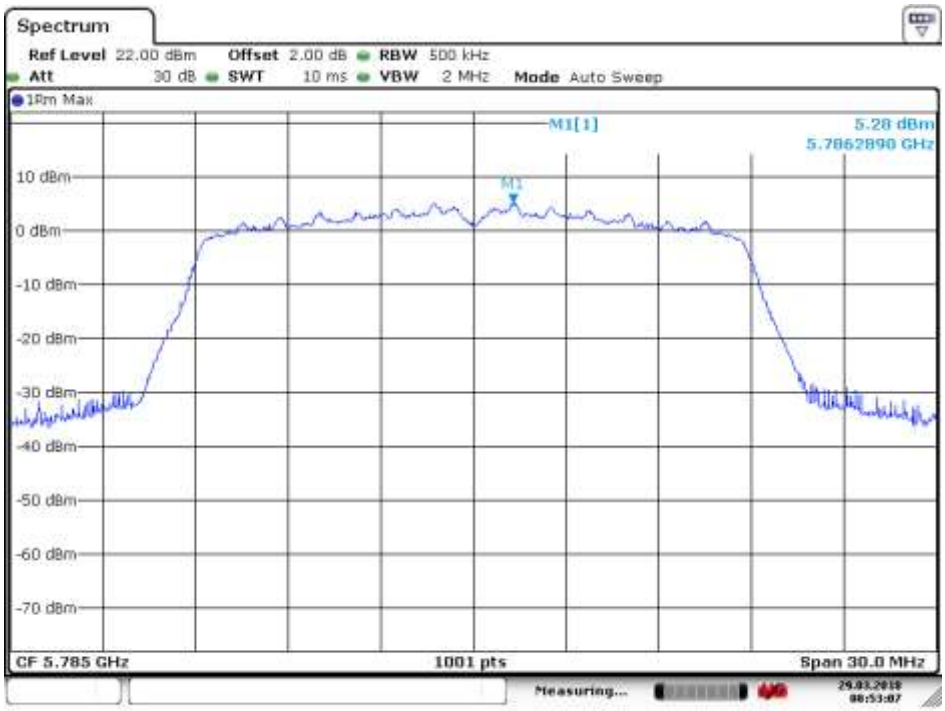
Date: 29.MAR.2018 04:51:44

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



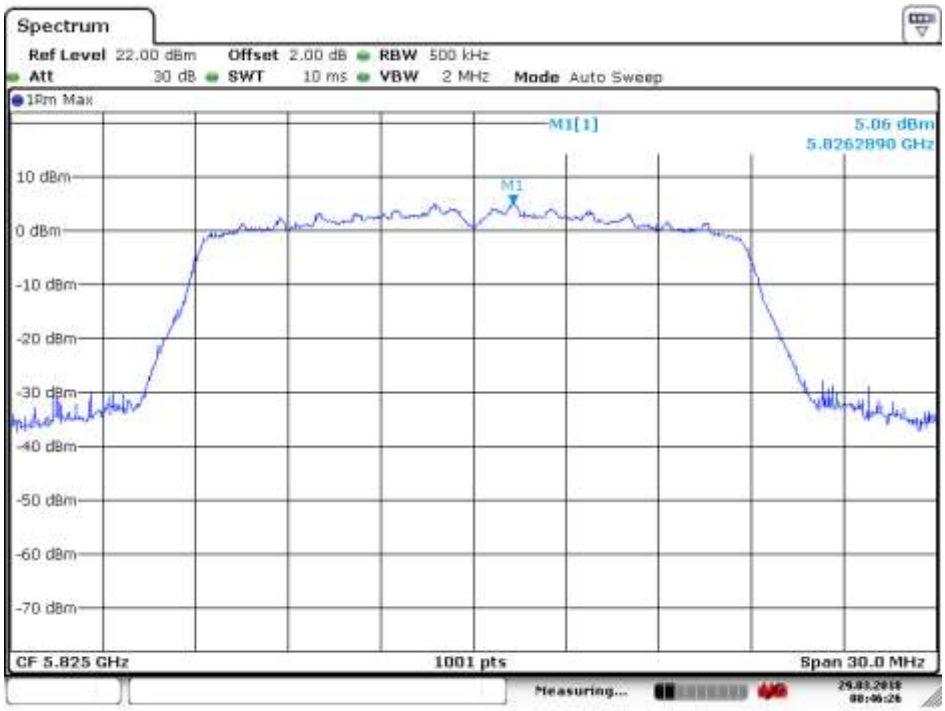
Date: 29.MAR.2018 08:54:29

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



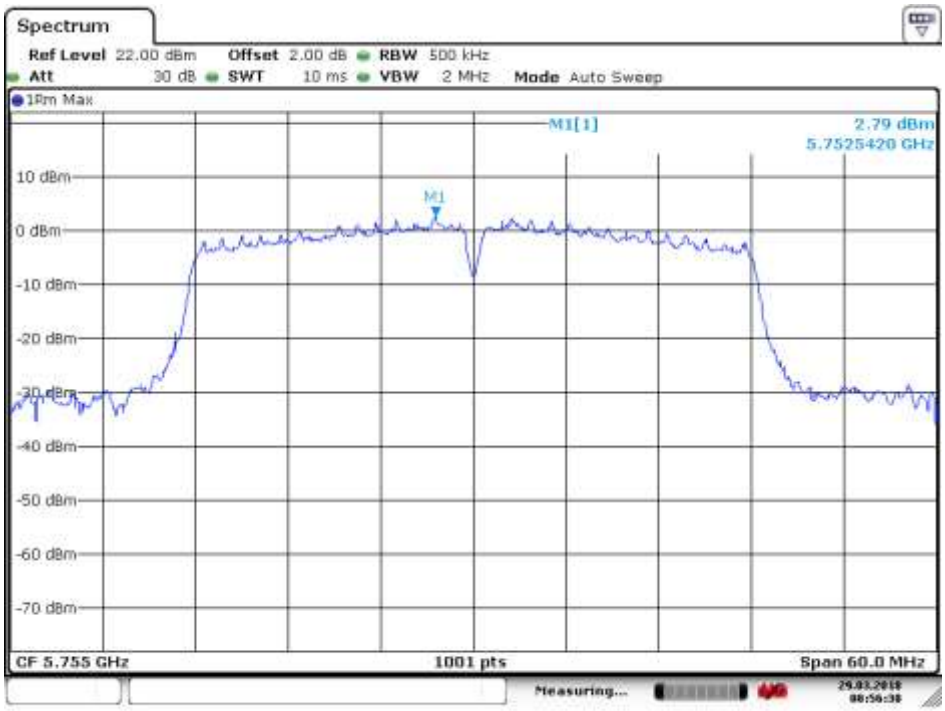
Date: 29.MAR.2018 08:53:07

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



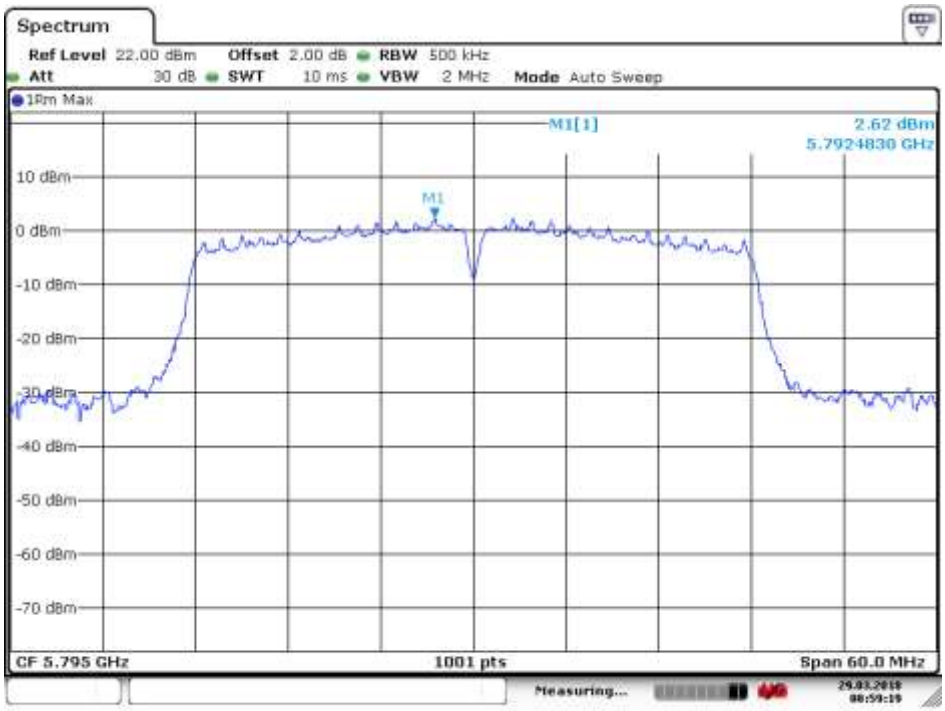
Date: 29.MAR.2018 08:46:26

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



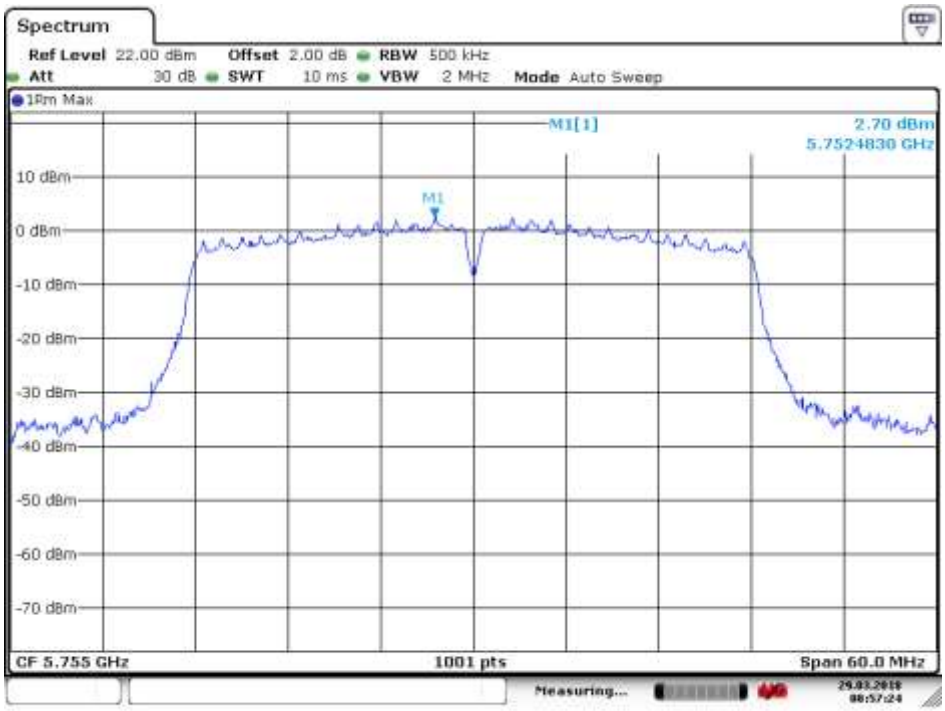
Date: 29.MAR.2018 08:56:38

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



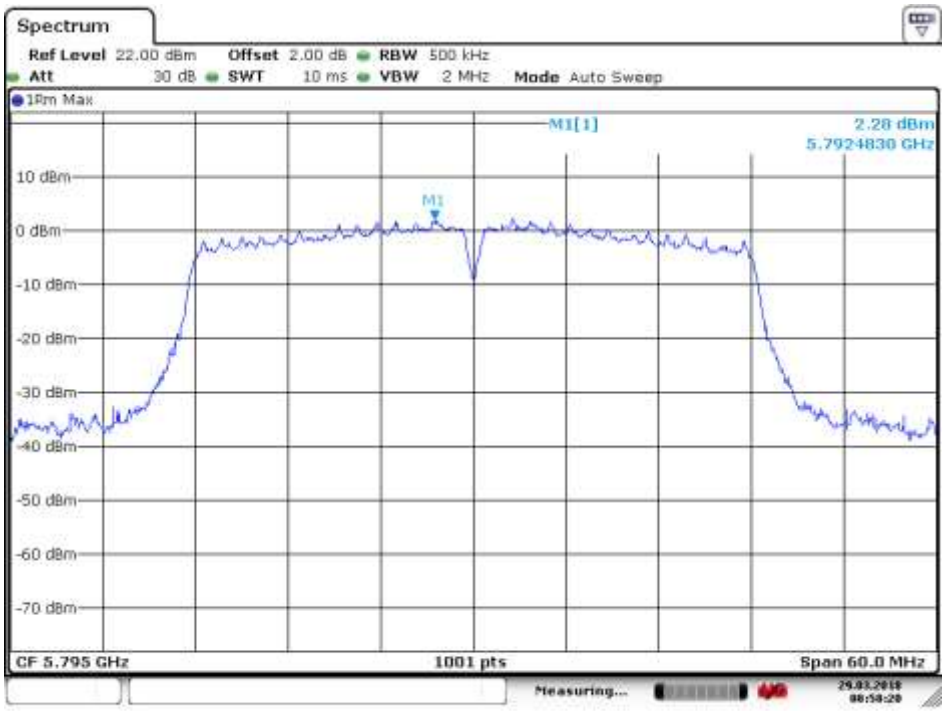
Date: 29.MAR.2018 08:59:19

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



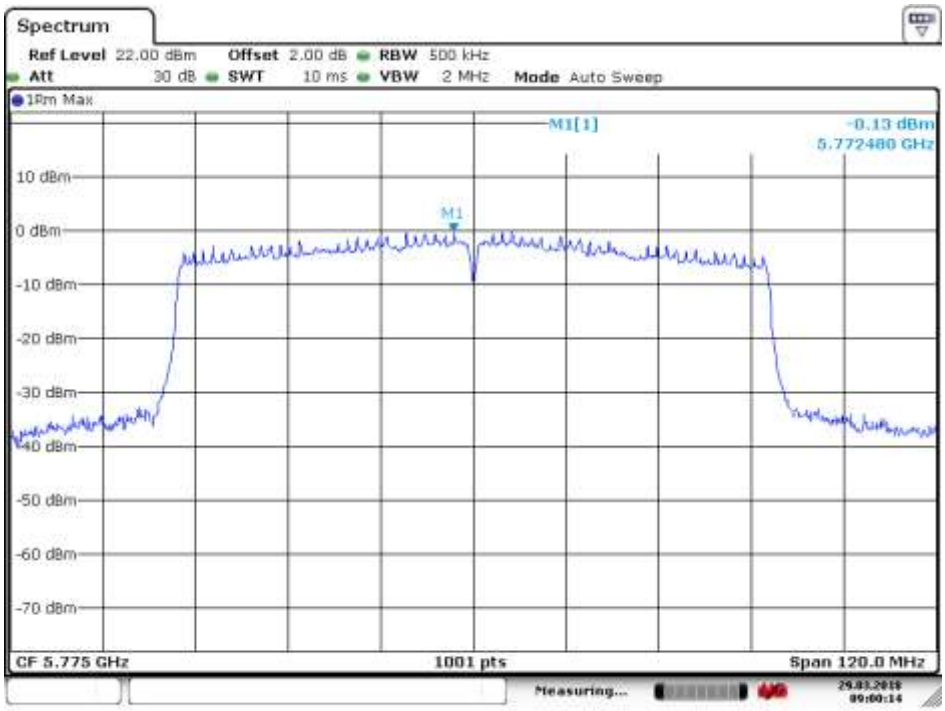
Date: 29.MAR.2018 08:57:25

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



Date: 29.MAR.2018 08:58:21

Test mode:	802.11ac(HT80)	Frequency(MHz):	5775



Date: 29.MAR.2018 09:00:14

6.7 Radiated Spurious Emissions

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

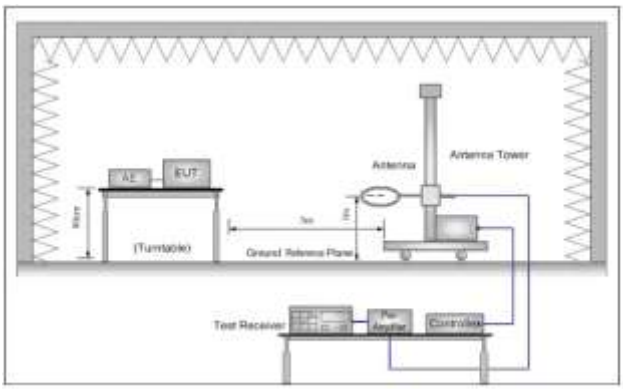


Figure 1. 30MHz to 1GHz

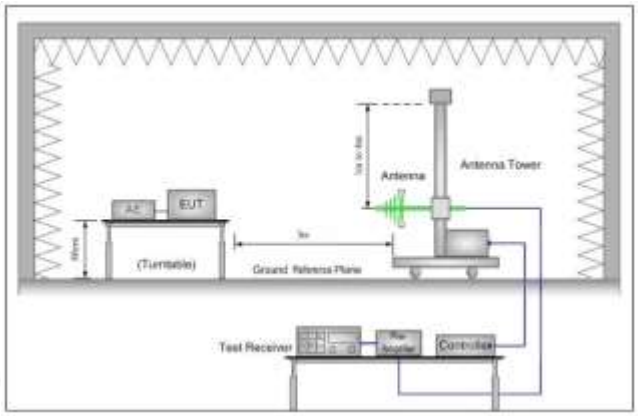


Figure 2. Above 1 GHz

Test Procedure:	a. For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. g. Test the EUT in the outermost channels. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20);

	MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80), For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

6.7.1 Radiated emission below 1GHz

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

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

Note:

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

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

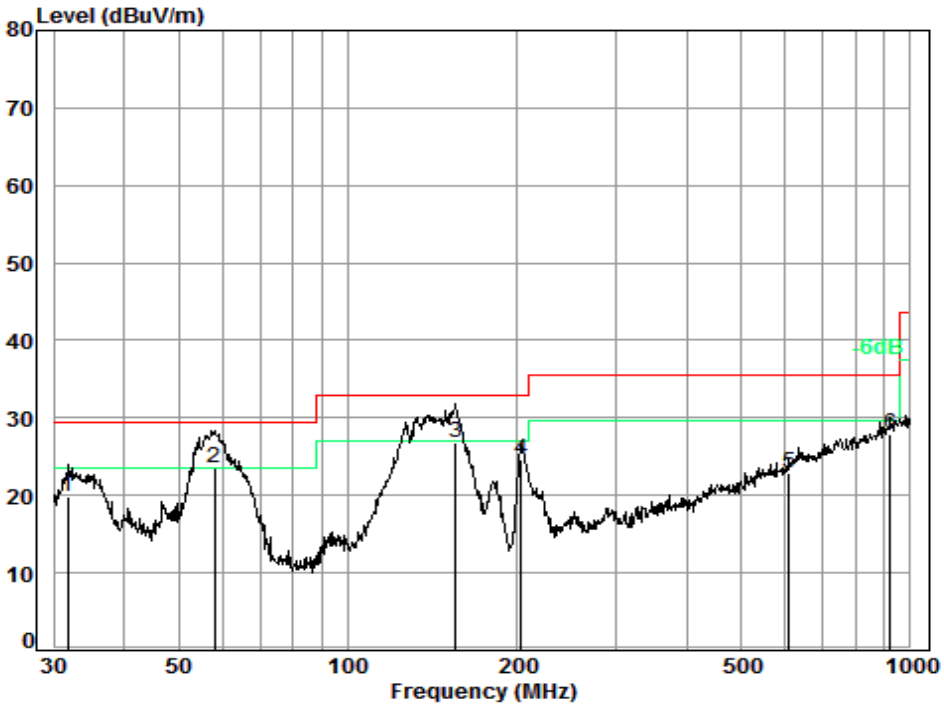
D_3: 3m distance. Unit: m

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

The level at 3m test distance is below:

Frequency (MHz)	Level @ 10m (dBuV/m)	Level @ 10m (uV/m)	Level @ 3m (uV/m)	Level @ 3m (dBuV/m)	Limit @ 3m (dBuV/m)	Over Limit (dB)	Ant. Polarization
31.37	19.94	9.93	33.10	30.40	40	-9.60	V
58	23.51	14.98	49.93	33.97	40	-6.03	V
155.36	26.8	21.88	72.93	37.26	43.5	-6.24	V
203.52	24.61	17.00	56.67	35.07	46	-10.93	V
609.92	22.87	13.92	46.39	33.33	46	-12.67	V
919.29	28	25.12	83.73	38.46	46	-7.54	V
54.26	15.04	5.65	18.83	25.50	40	-14.50	H
143.83	15.41	5.90	19.65	25.87	40	-14.13	H
345.6	17.09	7.15	23.84	27.55	43.5	-15.95	H
460.73	21.29	11.60	38.67	31.75	46	-14.25	H
682.35	24.38	16.56	55.19	34.84	46	-11.16	H
935.55	26.81	21.90	73.01	37.27	46	-8.73	H

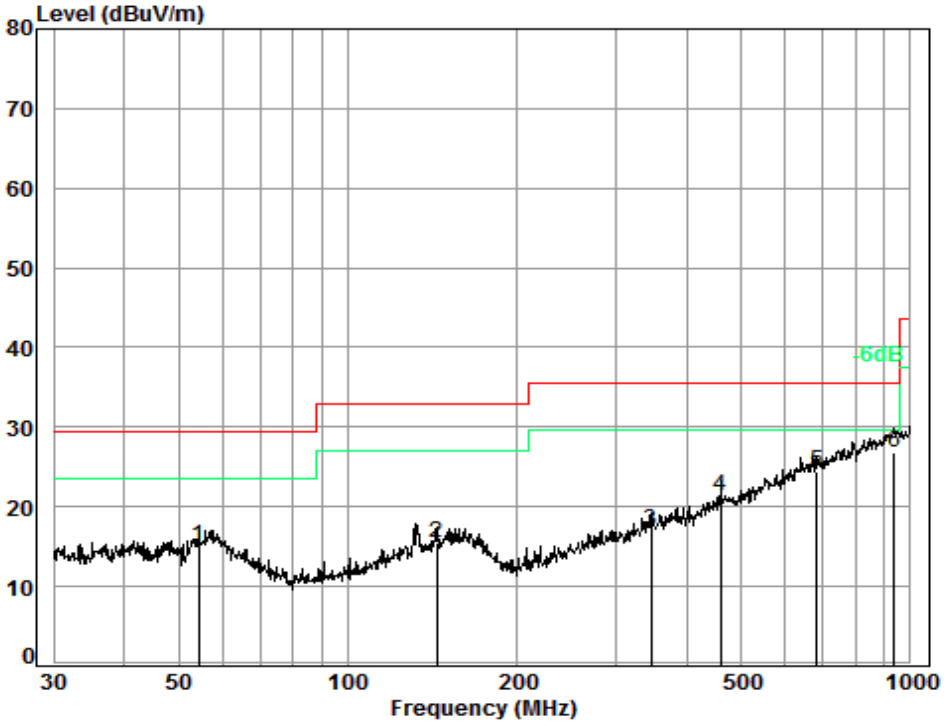
30MHz~1GHz（QP）		
Test mode:	Transmitting	Vertical



Condition: 10m VERTICAL
Job No. : 00882RG
Test Mode: e
: 47A+06

	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	31.73	6.70	12.53	32.60	33.31	19.94	29.50	-9.56
2 pp	58.00	7.00	12.15	32.54	36.90	23.51	29.50	-5.99
3	155.36	7.48	13.40	32.51	38.43	26.80	33.00	-6.20
4	203.52	7.62	9.38	32.53	40.14	24.61	33.00	-8.39
5	609.92	8.93	18.91	32.40	27.43	22.87	35.60	-12.73
6	919.29	9.50	22.48	31.39	27.41	28.00	35.60	-7.60

Test mode:	Transmitting	Horizontal



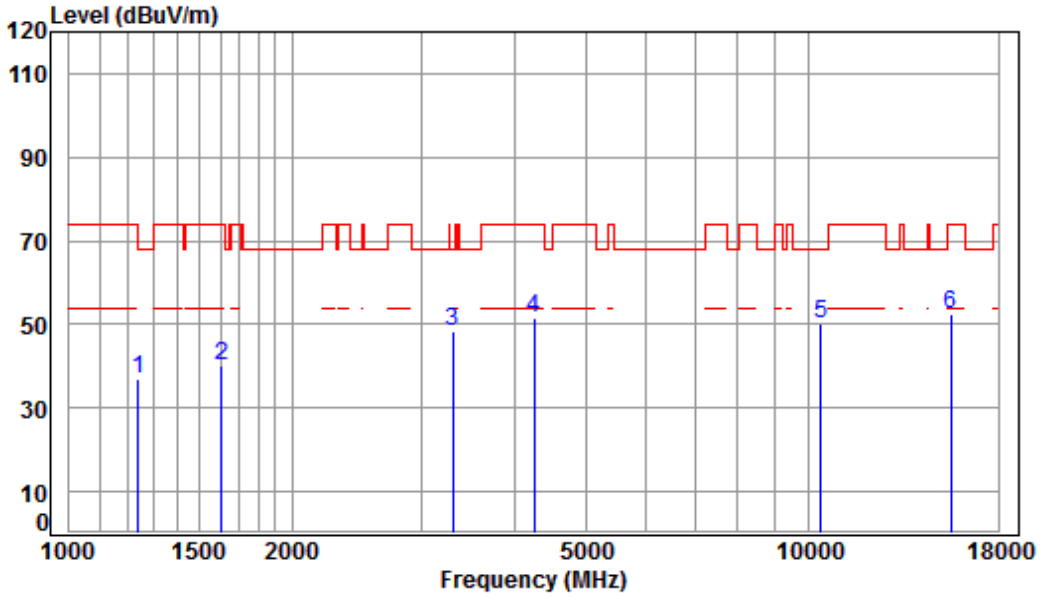
Condition: 10m HORIZONTAL
Job No. : 00882RG
Test Mode: e
: 47A+06

	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	54.26	6.99	12.43	32.53	28.15	15.04	29.50	-14.46
2	143.83	7.42	13.01	32.52	27.50	15.41	33.00	-17.59
3	345.60	8.23	13.76	32.43	27.53	17.09	35.60	-18.51
4	460.73	8.45	16.30	32.42	28.96	21.29	35.60	-14.31
5	682.35	9.11	19.92	32.39	27.74	24.38	35.60	-11.22
6 pp	935.55	9.54	22.63	31.26	25.90	26.81	35.60	-8.79

6.7.2Transmitter emission above 1GHz

Test plot as follows:

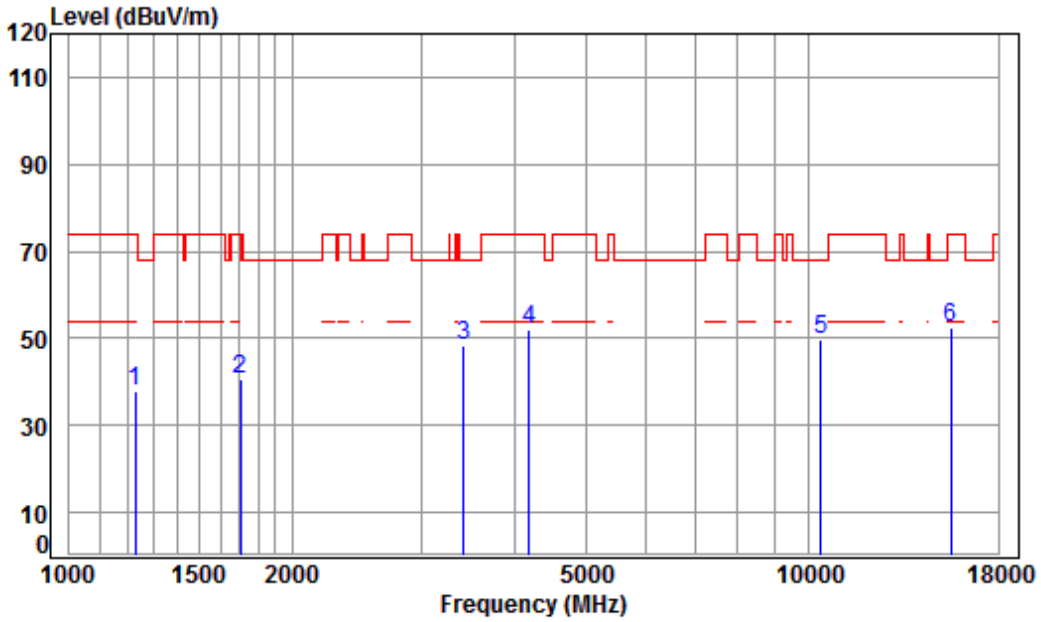
Test mode:	802.11a	Frequency(MHz):	5180	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5180 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	4.57	24.67	38.07	45.80	36.97	74.00	-37.03	peak
2	1606.441	5.34	26.28	38.03	46.74	40.33	74.00	-33.67	peak
3	3299.344	6.28	31.86	37.93	47.93	48.14	68.20	-20.06	peak
4	4242.641	7.27	33.60	38.13	48.87	51.61	74.00	-22.39	peak
5	pp10360.000	11.19	37.24	35.09	36.64	49.98	68.20	-18.22	peak
6	15540.000	14.30	41.38	38.30	35.25	52.63	74.00	-21.37	peak

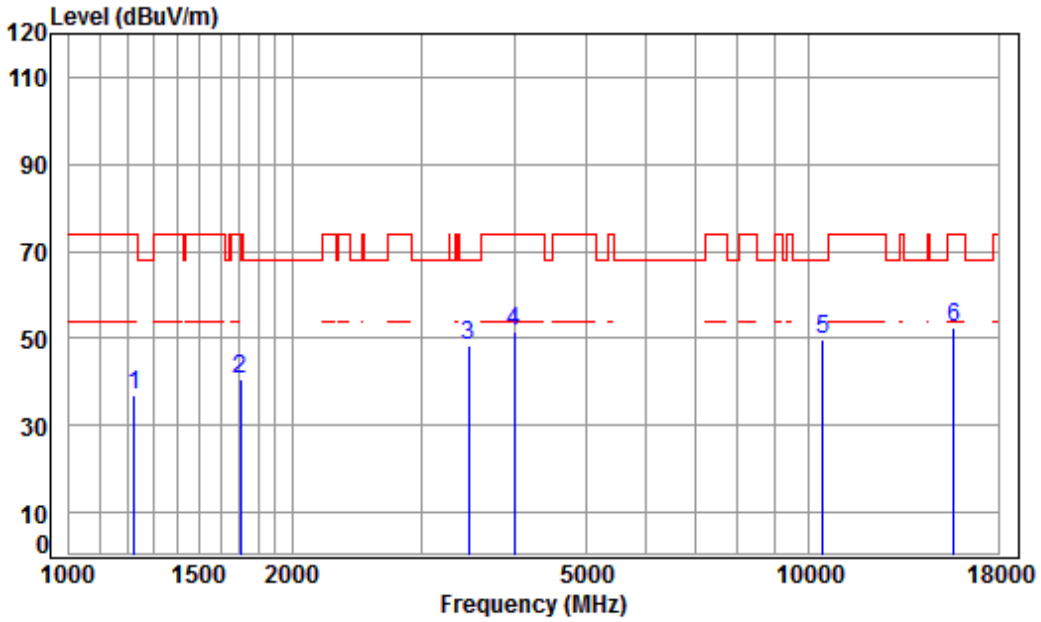
Test mode:	802.11a	Frequency(MHz):	5180	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5180 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	38.07	46.61	37.68	74.00	-36.32	peak
2	1702.042	5.23	26.68	38.02	46.95	40.84	74.00	-33.16	peak
3	3415.787	6.38	32.06	37.95	47.74	48.23	68.20	-19.97	peak
4	4181.768	7.20	33.60	38.10	49.16	51.86	74.00	-22.14	peak
5	pp10360.000	11.19	37.24	35.09	36.18	49.52	68.20	-18.68	peak
6	15540.000	14.30	41.38	38.30	35.13	52.51	74.00	-21.49	peak

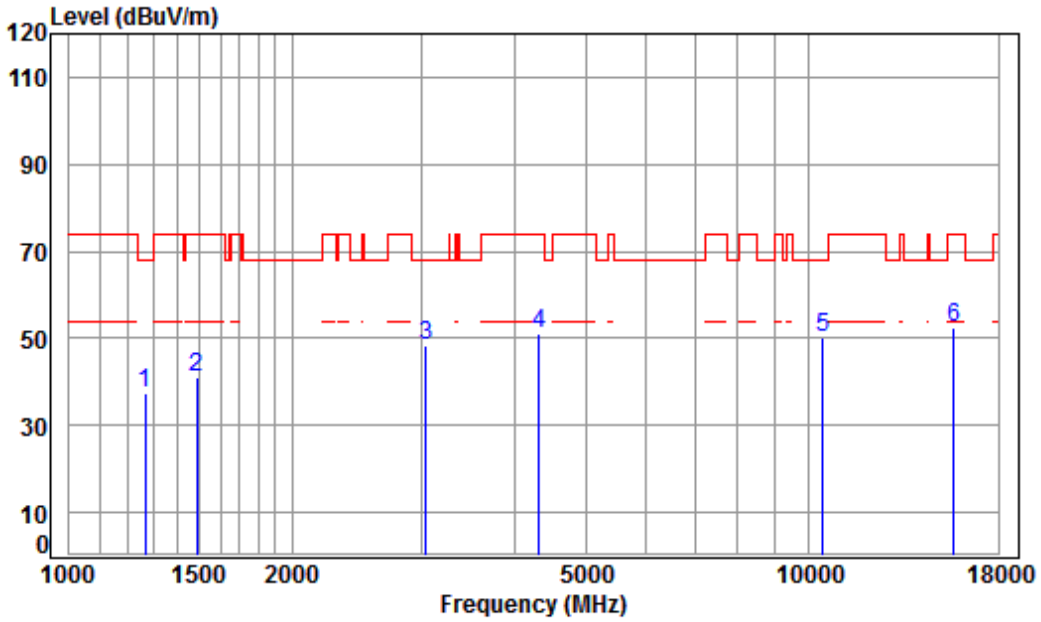
Test mode:	802.11a	Frequency(MHz):	5220	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5220 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	4.51	24.60	38.07	45.80	36.84	74.00	-37.16	peak
2	1702.042	5.23	26.68	38.02	46.53	40.42	74.00	-33.58	peak
3	3465.510	6.43	32.14	37.95	47.75	48.37	68.20	-19.83	peak
4	3992.781	6.97	33.58	38.00	48.91	51.46	74.00	-22.54	peak
5	pp10440.000	11.25	37.16	35.13	36.41	49.69	68.20	-18.51	peak
6	15660.000	14.48	41.34	38.17	34.94	52.59	74.00	-21.41	peak

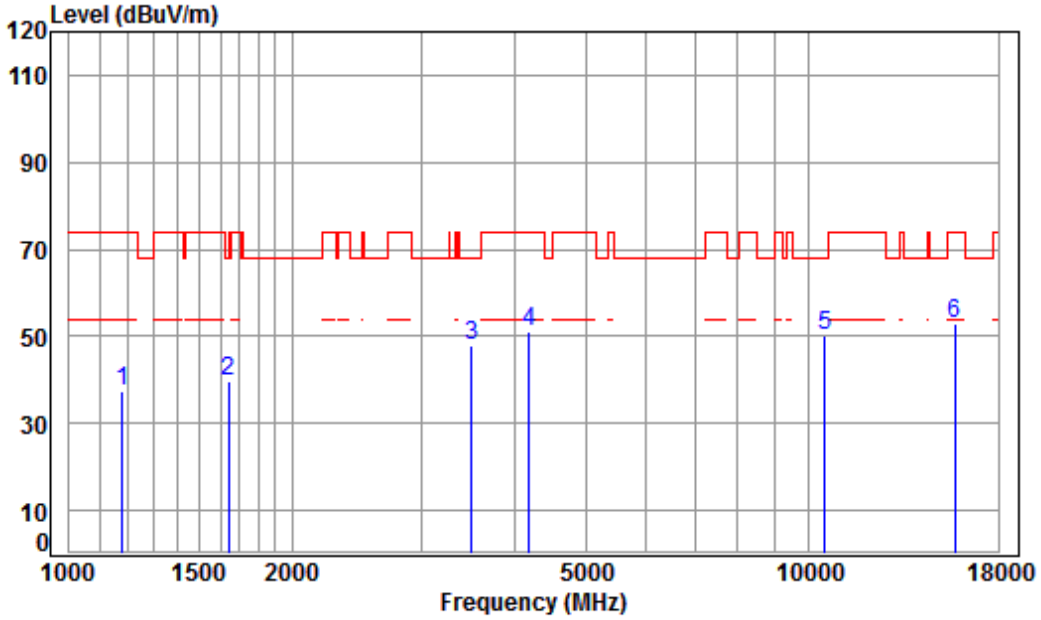
Test mode:	802.11a	Frequency(MHz):	5220	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5220 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	45.89	37.30	68.20	-30.90	peak
2	1490.142	5.45	25.76	38.04	47.77	40.94	74.00	-33.06	peak
3	3034.063	6.02	31.37	37.90	48.86	48.35	68.20	-19.85	peak
4	4316.859	7.36	33.60	38.17	48.26	51.05	74.00	-22.95	peak
5	pp10440.000	11.25	37.16	35.13	36.79	50.07	68.20	-18.13	peak
6	15660.000	14.48	41.34	38.17	34.95	52.60	74.00	-21.40	peak

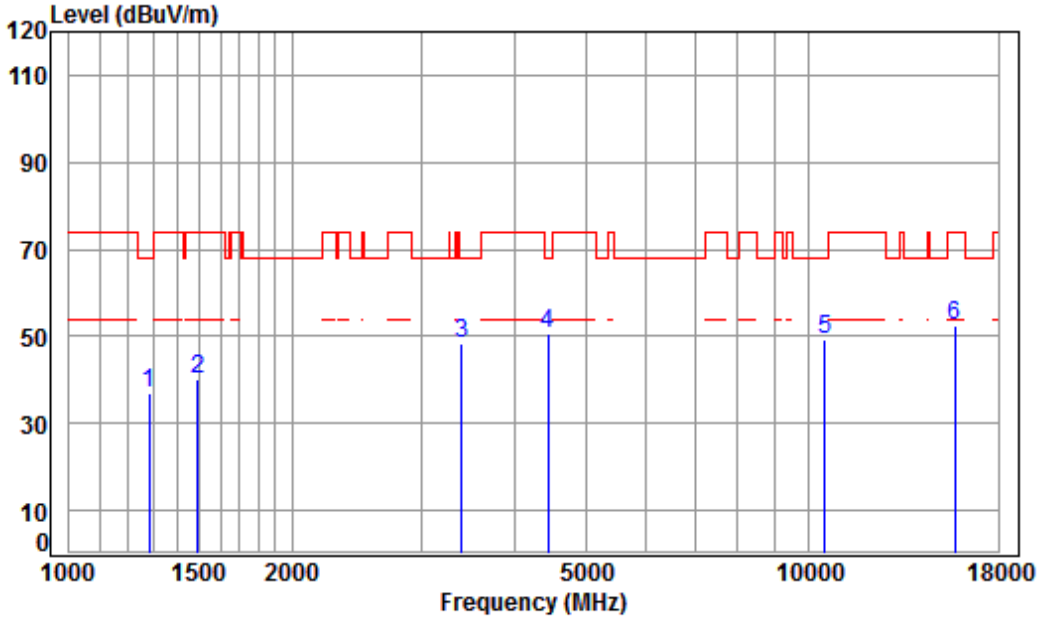
Test mode:	802.11a	Frequency(MHz):	5240	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5240 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1179.100	4.33	24.38	38.08	46.62	37.25	74.00	-36.75	peak
2	1644.019	5.30	26.44	38.03	45.80	39.51	68.20	-28.69	peak
3	3495.691	6.46	32.19	37.95	47.39	48.09	68.20	-20.11	peak
4	4181.768	7.20	33.60	38.10	48.27	50.97	74.00	-23.03	peak
5	pp10480.000	11.28	37.12	35.15	36.89	50.14	68.20	-18.06	peak
6	15720.000	14.57	41.31	38.10	35.24	53.02	74.00	-20.98	peak

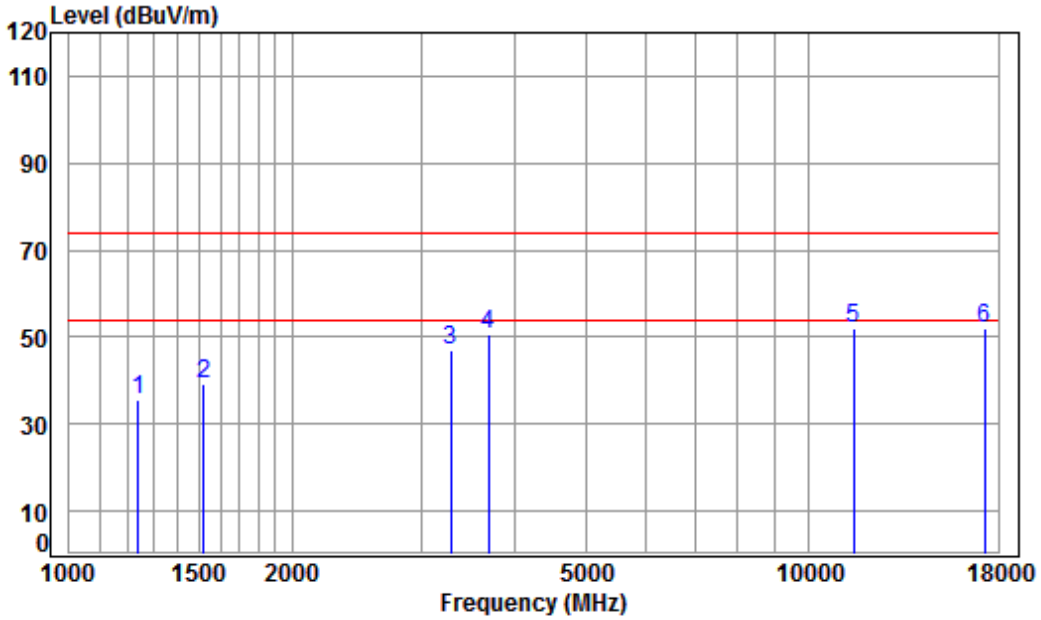
Test mode:	802.11a	Frequency(MHz):	5240	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	45.62	37.16	68.20	-31.04	peak
2	1494.455	5.46	25.78	38.04	46.97	40.17	74.00	-33.83	peak
3	3396.098	6.37	32.02	37.94	47.98	48.43	68.20	-19.77	peak
4 pp	4443.453	7.50	33.60	38.24	47.72	50.58	68.20	-17.62	peak
5	10480.000	11.28	37.12	35.15	36.21	49.46	68.20	-18.74	peak
6	15720.000	14.57	41.31	38.10	34.48	52.26	74.00	-21.74	peak

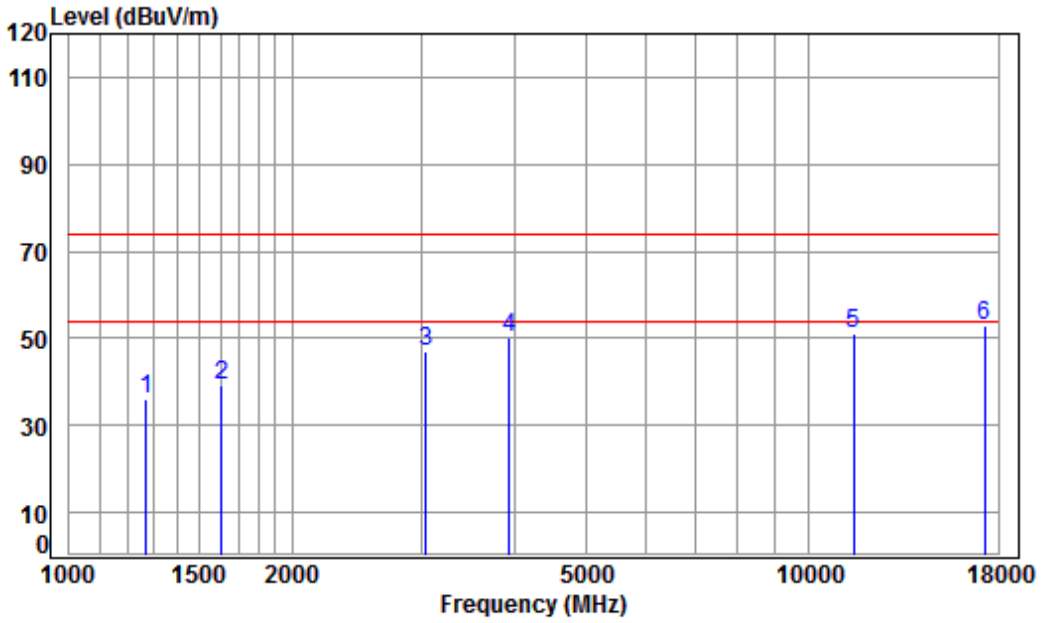
Test mode:	802.11a	Frequency(MHz):	5745	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5745 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1242.068	4.58	24.68	38.07	44.44	35.63	74.00	-38.37	peak
2	1520.598	5.45	25.89	38.04	45.97	39.27	74.00	-34.73	peak
3	3280.326	6.26	31.82	37.93	46.99	47.14	74.00	-26.86	peak
4	3682.374	6.66	32.73	37.97	49.01	50.43	74.00	-23.57	peak
5	11490.000	12.13	38.09	36.00	37.59	51.81	74.00	-22.19	peak
6	pp17235.000	16.18	43.08	36.18	29.03	52.11	74.00	-21.89	peak

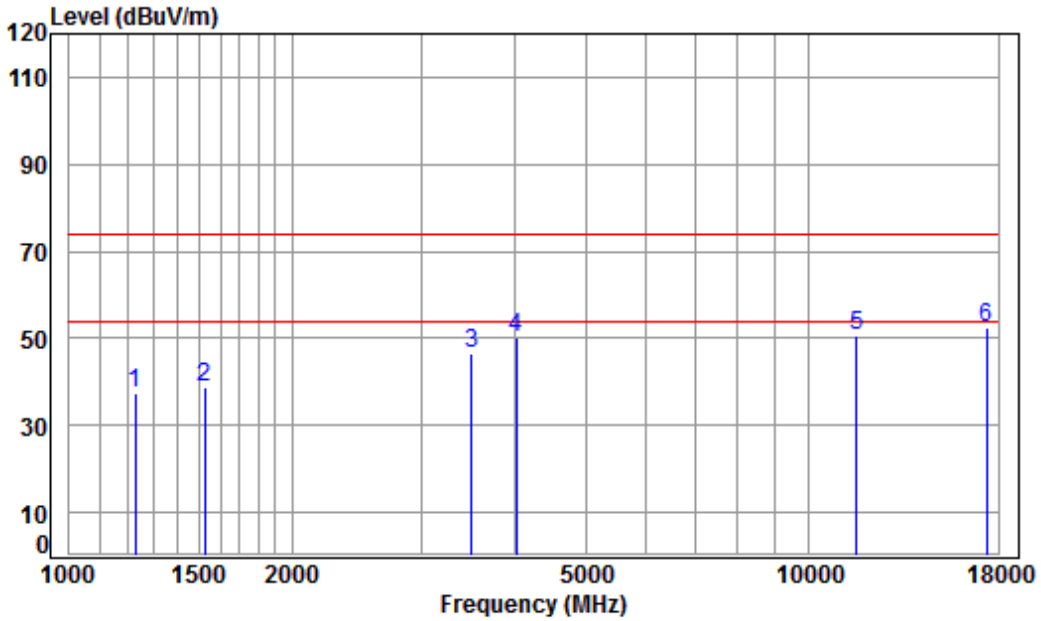
Test mode:	802.11a	Frequency(MHz):	5745	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5745 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	38.07	44.54	35.98	74.00	-38.02	peak
2	1606.441	5.34	26.28	38.03	45.52	39.11	74.00	-34.89	peak
3	3034.063	6.02	31.37	37.90	47.58	47.07	74.00	-26.93	peak
4	3935.493	6.92	33.43	37.99	47.68	50.04	74.00	-23.96	peak
5	11490.000	12.13	38.09	36.00	36.68	50.90	74.00	-23.10	peak
6	pp17235.000	16.18	43.08	36.18	29.82	52.90	74.00	-21.10	peak

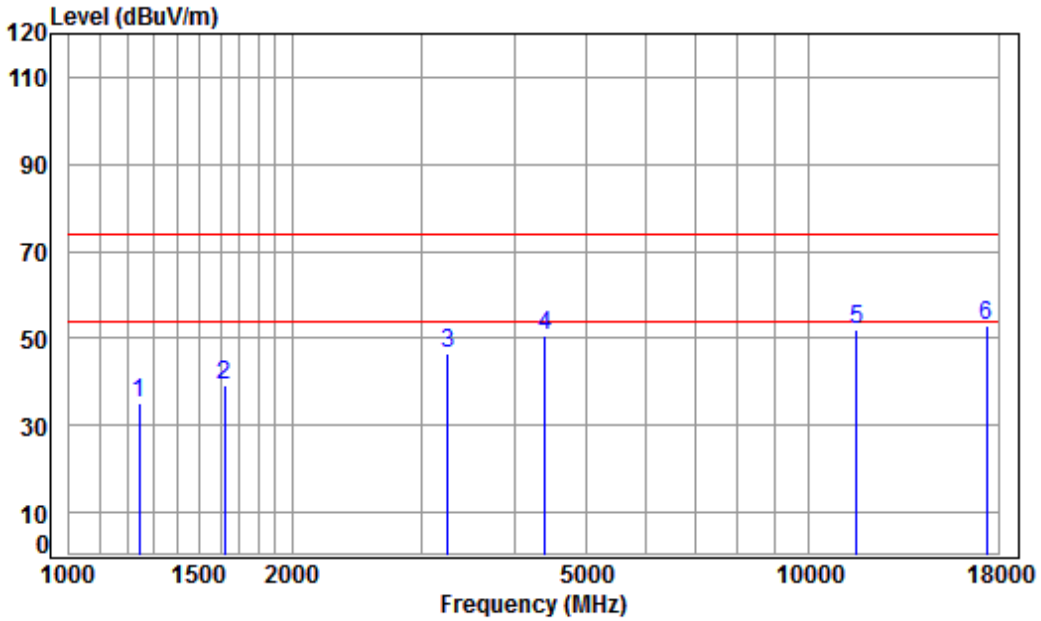
Test mode:	802.11a	Frequency(MHz):	5785	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5785 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	38.07	46.43	37.50	74.00	-36.50	peak
2	1525.000	5.45	25.91	38.04	45.31	38.63	74.00	-35.37	peak
3	3495.691	6.46	32.19	37.95	45.79	46.49	74.00	-27.51	peak
4	4015.929	7.00	33.60	38.01	47.82	50.41	74.00	-23.59	peak
5	11570.000	12.17	38.17	36.10	36.61	50.85	74.00	-23.15	peak
6	pp17355.000	15.92	43.23	36.12	29.58	52.61	74.00	-21.39	peak

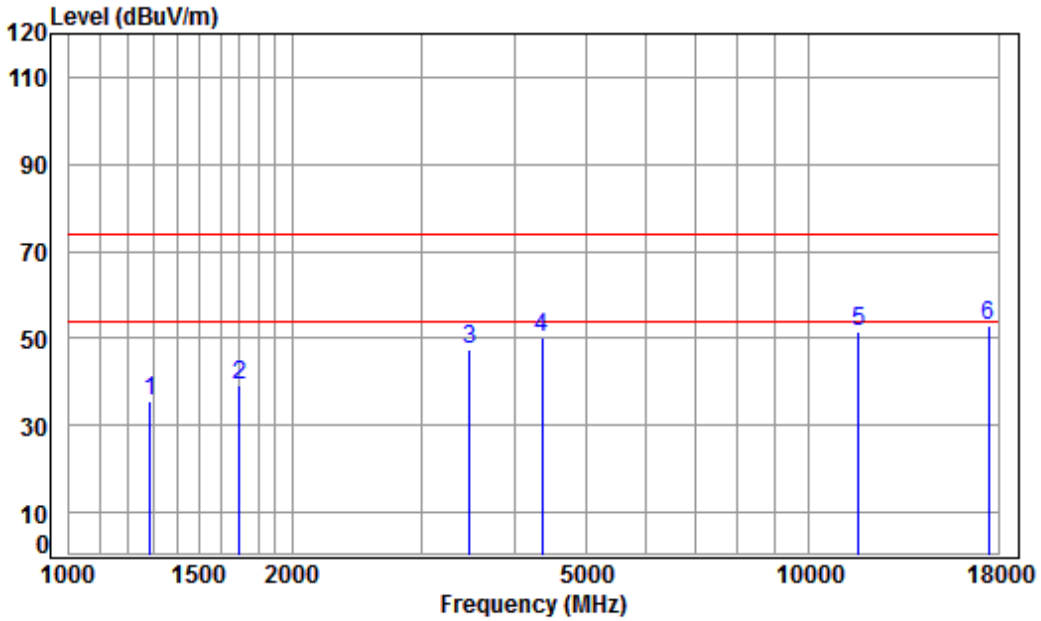
Test mode:	802.11a	Frequency(MHz):	5785	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5785 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.663	4.60	24.70	38.07	44.00	35.23	74.00	-38.77	peak
2	1620.431	5.32	26.34	38.03	45.42	39.05	74.00	-34.95	peak
3	3252.005	6.23	31.77	37.93	46.50	46.57	74.00	-27.43	peak
4	4392.376	7.44	33.60	38.21	48.04	50.87	74.00	-23.13	peak
5	11570.000	12.17	38.17	36.10	37.91	52.15	74.00	-21.85	peak
6	pp17355.000	15.92	43.23	36.12	29.81	52.84	74.00	-21.16	peak

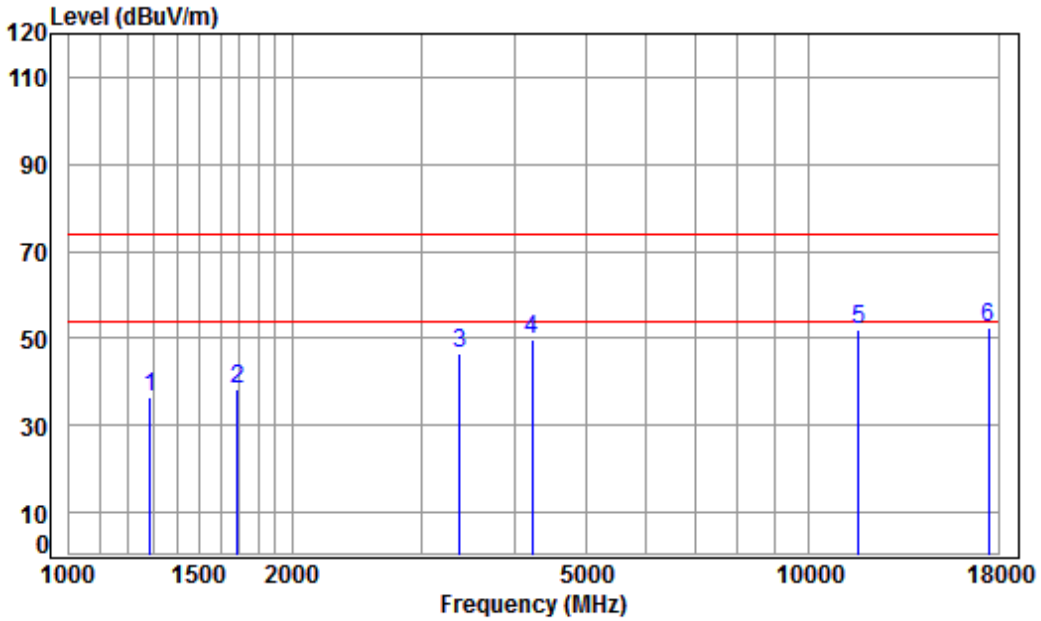
Test mode:	802.11a	Frequency(MHz):	5825	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5825 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	44.19	35.77	74.00	-38.23	peak
2	1697.129	5.23	26.66	38.02	45.43	39.30	74.00	-34.70	peak
3	3475.541	6.44	32.16	37.95	46.84	47.49	74.00	-26.51	peak
4	4354.454	7.40	33.60	38.19	47.21	50.02	74.00	-23.98	peak
5	11650.000	12.20	38.25	36.19	37.26	51.52	74.00	-22.48	peak
6	pp17475.000	15.65	43.37	36.06	29.80	52.76	74.00	-21.24	peak

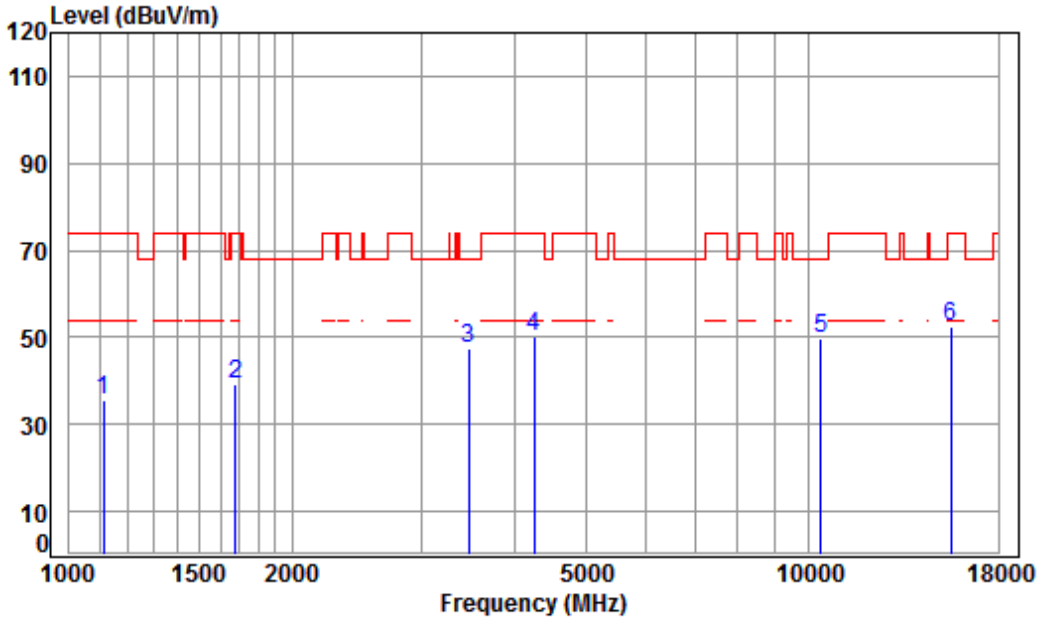
Test mode:	802.11a	Frequency(MHz):	5825	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5825 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	45.11	36.69	74.00	-37.31	peak
2	1687.347	5.24	26.62	38.02	44.26	38.10	74.00	-35.90	peak
3	3366.778	6.34	31.97	37.94	45.99	46.36	74.00	-27.64	peak
4	4218.186	7.24	33.60	38.12	46.96	49.68	74.00	-24.32	peak
5	11650.000	12.20	38.25	36.19	37.54	51.80	74.00	-22.20	peak
6	pp17475.000	15.65	43.37	36.06	29.37	52.33	74.00	-21.67	peak

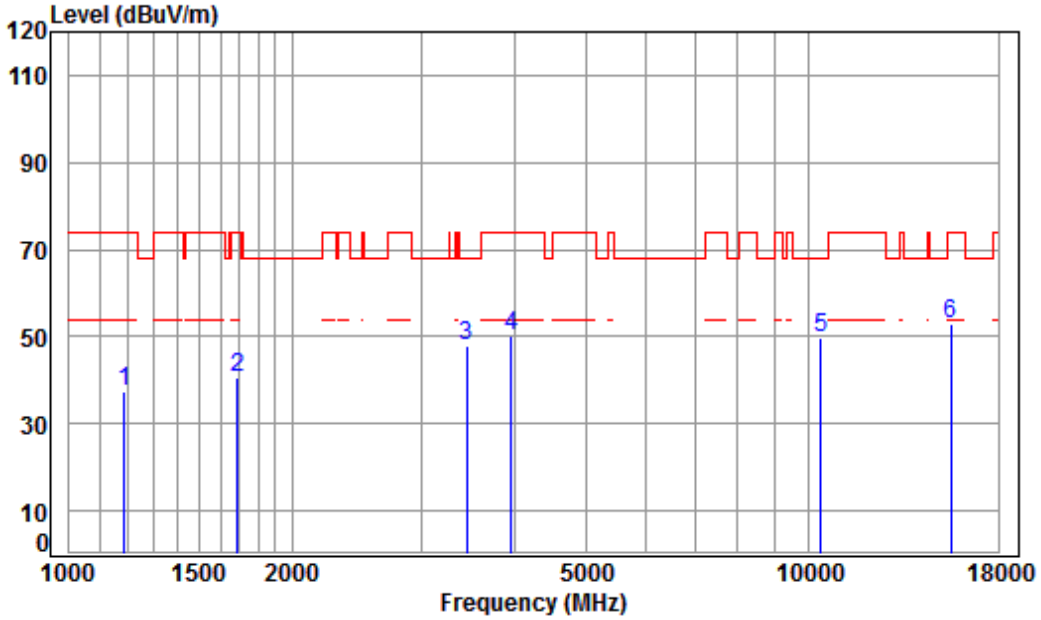
Test mode:	802.11n(HT20)	Frequency(MHz):	5180	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5180 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1112.872	4.06	24.03	38.08	45.50	35.51	74.00	-38.49	peak
2	1677.621	5.25	26.58	38.03	45.53	39.33	74.00	-34.67	peak
3	3465.510	6.43	32.14	37.95	46.67	47.29	68.20	-20.91	peak
4	4242.641	7.27	33.60	38.13	47.31	50.05	74.00	-23.95	peak
5	pp10360.000	11.19	37.24	35.09	36.23	49.57	68.20	-18.63	peak
6	15540.000	14.30	41.38	38.30	35.28	52.66	74.00	-21.34	peak

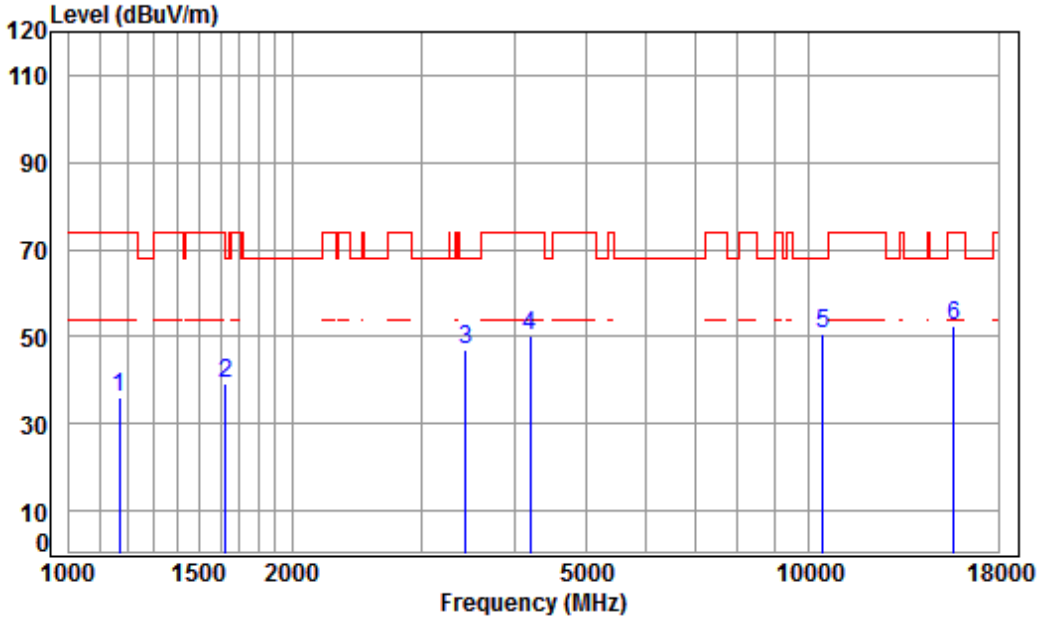
Test mode:	802.11n(HT20)	Frequency(MHz):	5180	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5180 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1189.368	4.38	24.43	38.07	46.61	37.35	74.00	-36.65	peak
2	1687.347	5.24	26.62	38.02	46.83	40.67	74.00	-33.33	peak
3	3445.535	6.41	32.11	37.95	47.36	47.93	68.20	-20.27	peak
4	3958.309	6.94	33.49	38.00	47.94	50.37	74.00	-23.63	peak
5	pp10360.000	11.19	37.24	35.09	36.29	49.63	68.20	-18.57	peak
6	15540.000	14.30	41.38	38.30	35.44	52.82	74.00	-21.18	peak

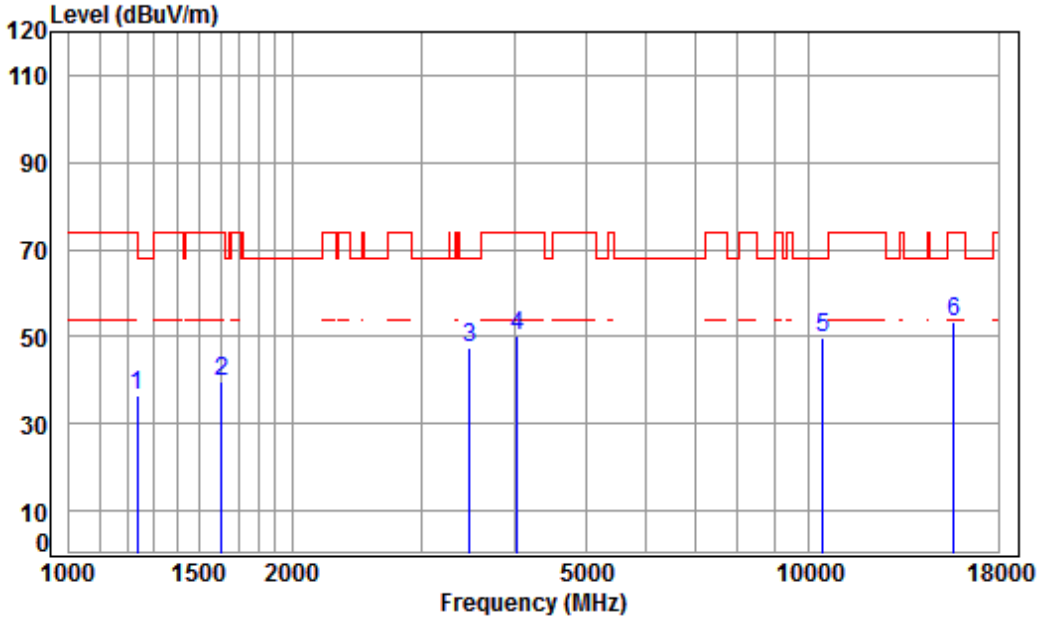
Test mode:	802.11n(HT20)	Frequency(MHz):	5220	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5220 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1168.920	4.29	24.32	38.08	45.73	36.26	74.00	-37.74	peak
2	1625.121	5.32	26.36	38.03	45.46	39.11	74.00	-34.89	peak
3	3435.590	6.40	32.09	37.95	46.46	47.00	68.20	-21.20	peak
4	4193.872	7.21	33.60	38.11	47.62	50.32	74.00	-23.68	peak
5	pp10440.000	11.25	37.16	35.13	37.19	50.47	68.20	-17.73	peak
6	15660.000	14.48	41.34	38.17	34.91	52.56	74.00	-21.44	peak

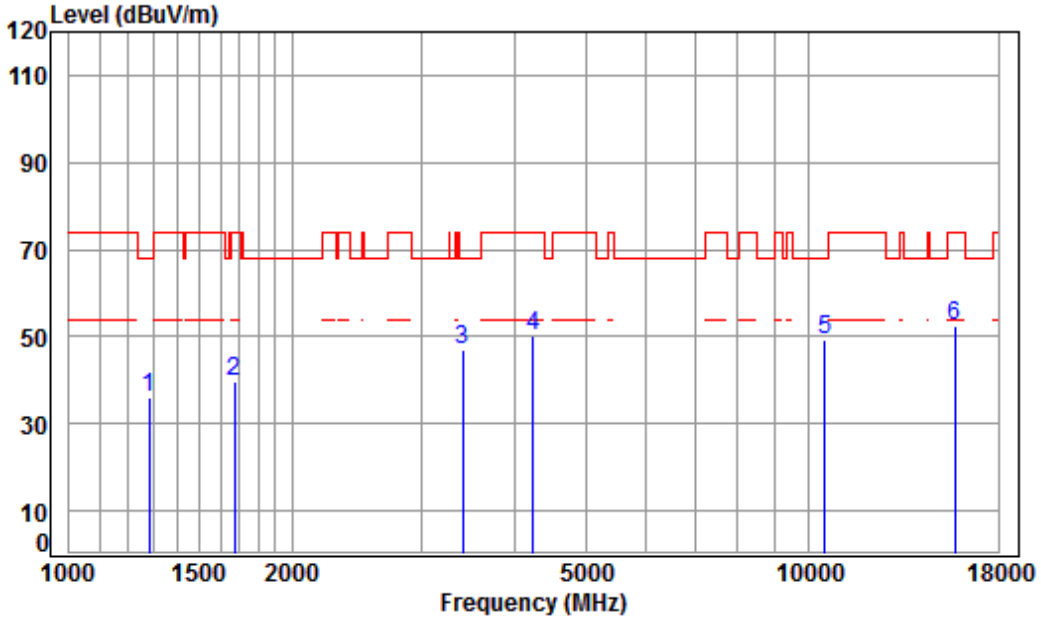
Test mode:	802.11n(HT20)	Frequency(MHz):	5220	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5220 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.65	38.07	45.38	36.51	74.00	-37.49	peak
2	1606.441	5.34	26.28	38.03	46.13	39.72	74.00	-34.28	peak
3	3475.541	6.44	32.16	37.95	46.83	47.48	68.20	-20.72	peak
4	4027.554	7.01	33.60	38.02	47.81	50.40	74.00	-23.60	peak
5	pp10440.000	11.25	37.16	35.13	36.32	49.60	68.20	-18.60	peak
6	15660.000	14.48	41.34	38.17	35.59	53.24	74.00	-20.76	peak

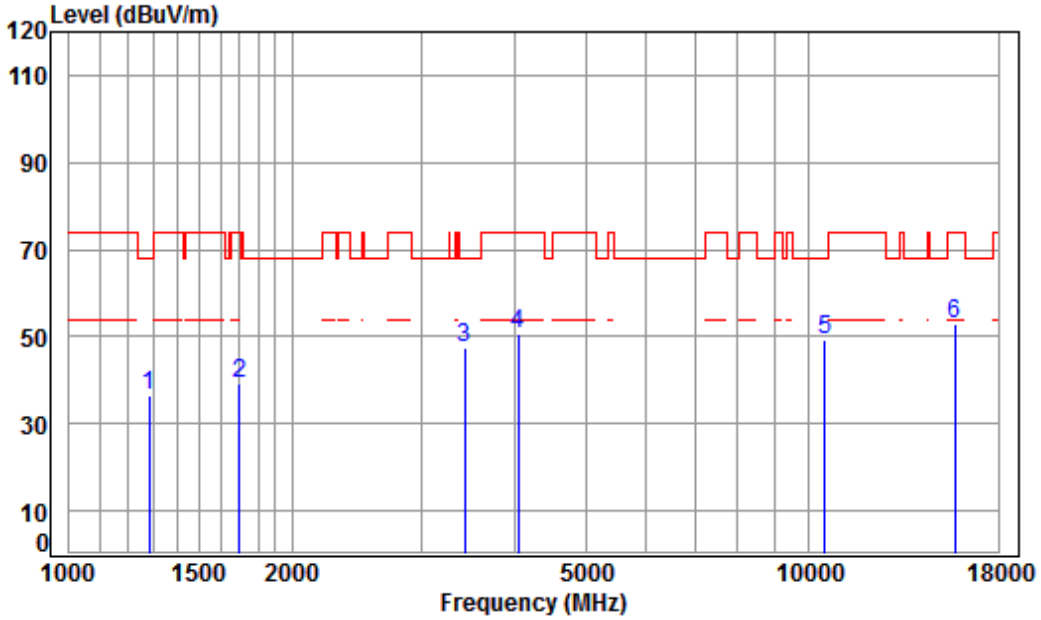
Test mode:	802.11n(HT20)	Frequency(MHz):	5240	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5240 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.41	35.95	68.20	-32.25	peak
2	1672.779	5.26	26.56	38.03	46.05	39.84	74.00	-34.16	peak
3	3405.929	6.38	32.04	37.94	46.34	46.82	68.20	-21.38	peak
4	4230.396	7.26	33.60	38.13	47.36	50.09	74.00	-23.91	peak
5	pp10480.000	11.28	37.12	35.15	36.03	49.28	68.20	-18.92	peak
6	15720.000	14.57	41.31	38.10	34.87	52.65	74.00	-21.35	peak

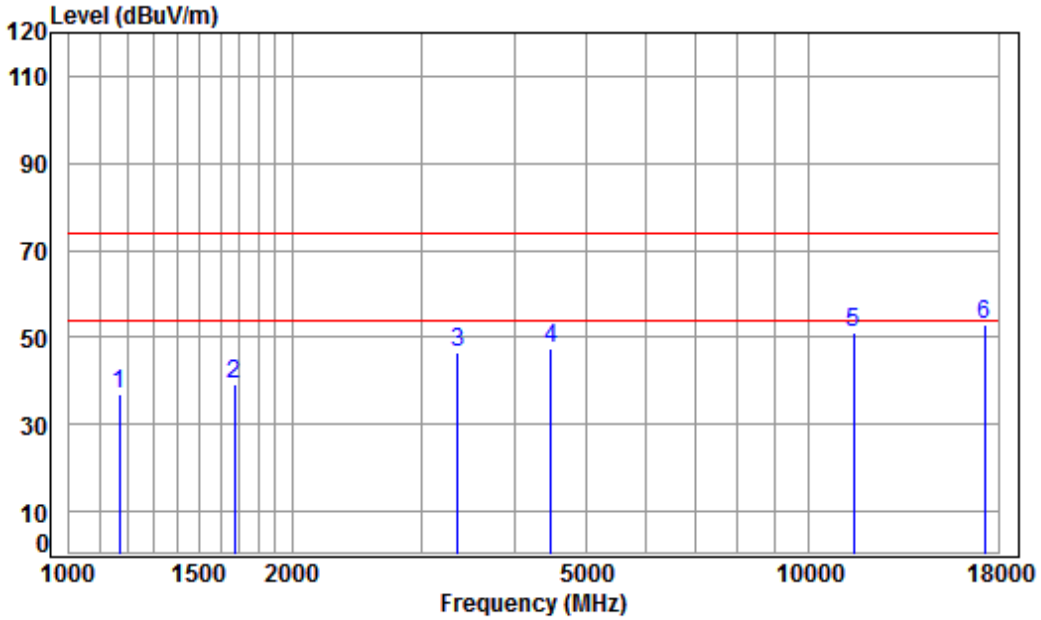
Test mode:	802.11n(HT20)	Frequency(MHz):	5240	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	45.09	36.63	68.20	-31.57	peak
2	1697.129	5.23	26.66	38.02	45.42	39.29	74.00	-34.71	peak
3	3425.675	6.39	32.07	37.95	47.14	47.65	68.20	-20.55	peak
4	4039.212	7.03	33.60	38.02	47.89	50.50	74.00	-23.50	peak
5	pp10480.000	11.28	37.12	35.15	36.14	49.39	68.20	-18.81	peak
6	15720.000	14.57	41.31	38.10	35.24	53.02	74.00	-20.98	peak

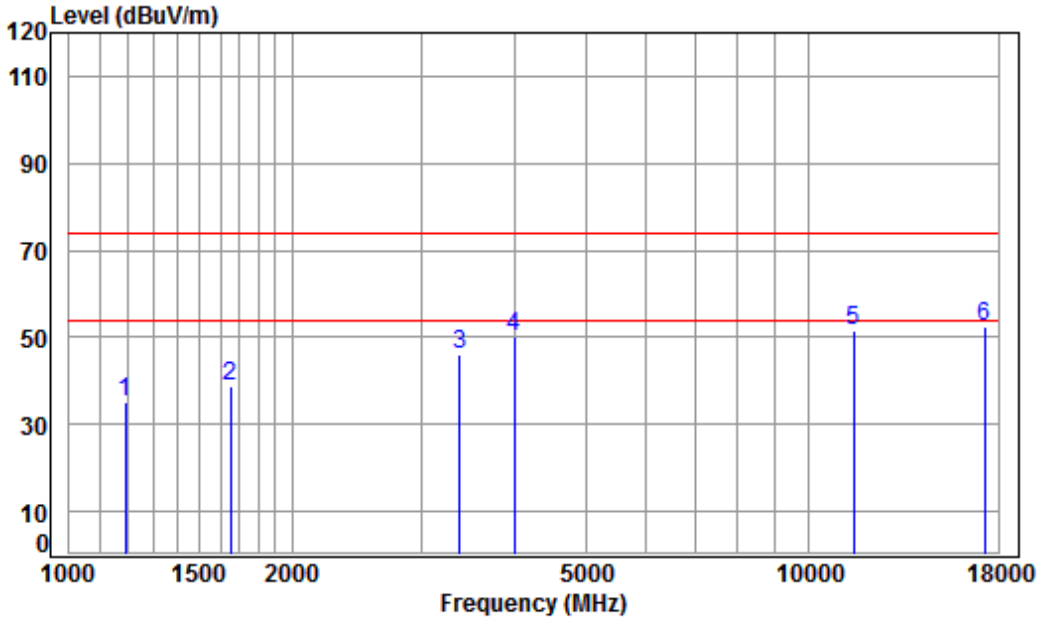
Test mode:	802.11n(HT20)	Frequency(MHz):	5745	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5745 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1168.920	4.29	24.32	38.08	46.41	36.94	74.00	-37.06	peak
2	1672.779	5.26	26.56	38.03	45.57	39.36	74.00	-34.64	peak
3	3347.371	6.32	31.94	37.94	46.18	46.50	74.00	-27.50	peak
4	4482.150	7.54	33.60	38.26	44.72	47.60	74.00	-26.40	peak
5	11490.000	12.13	38.09	36.00	37.00	51.22	74.00	-22.78	peak
6	pp17235.000	16.18	43.08	36.18	29.85	52.93	74.00	-21.07	peak

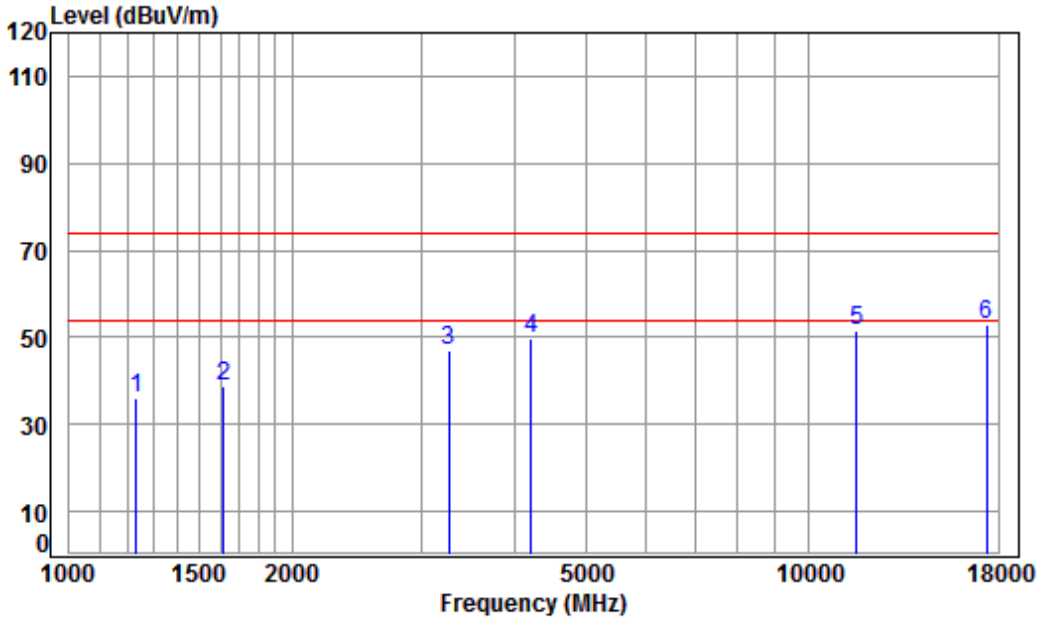
Test mode:	802.11n(HT20)	Frequency(MHz):	5745	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5745 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	44.50	35.26	74.00	-38.74	peak
2	1653.550	5.28	26.48	38.03	45.11	38.84	74.00	-35.16	peak
3	3366.778	6.34	31.97	37.94	45.83	46.20	74.00	-27.80	peak
4	3992.781	6.97	33.58	38.00	47.69	50.24	74.00	-23.76	peak
5	11490.000	12.13	38.09	36.00	37.43	51.65	74.00	-22.35	peak
6	pp17235.000	16.18	43.08	36.18	29.22	52.30	74.00	-21.70	peak

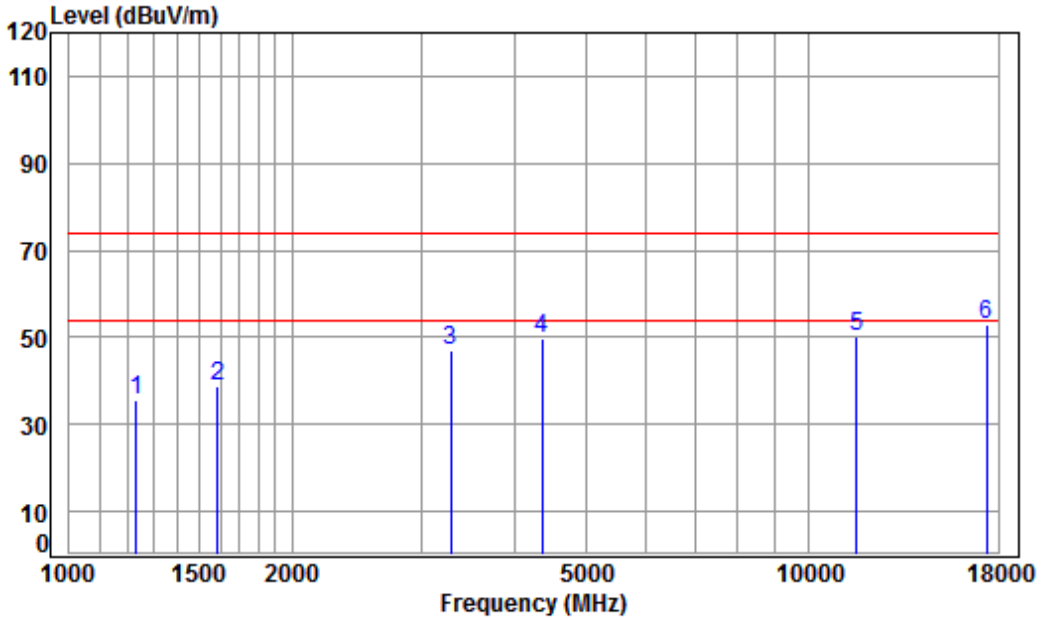
Test mode:	802.11n(HT20)	Frequency(MHz):	5785	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5785 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1231.345	4.54	24.63	38.07	44.87	35.97	74.00	-38.03	peak
2	1615.754	5.33	26.32	38.03	45.11	38.73	74.00	-35.27	peak
3	3261.418	6.24	31.79	37.93	46.84	46.94	74.00	-27.06	peak
4	4206.011	7.23	33.60	38.11	46.97	49.69	74.00	-24.31	peak
5	11570.000	12.17	38.17	36.10	37.11	51.35	74.00	-22.65	peak
6	pp17355.000	15.92	43.23	36.12	29.81	52.84	74.00	-21.16	peak

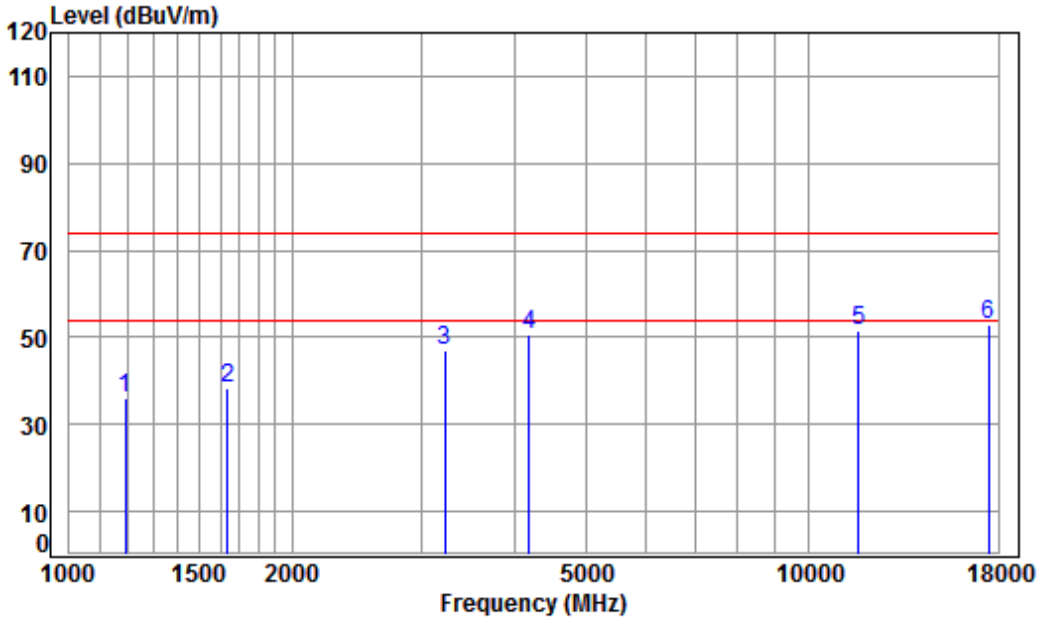
Test mode:	802.11n(HT20)	Frequency(MHz):	5785	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5785 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1231.345	4.54	24.63	38.07	44.47	35.57	74.00	-38.43	peak
2	1587.975	5.37	26.20	38.03	45.29	38.83	74.00	-35.17	peak
3	3280.326	6.26	31.82	37.93	46.77	46.92	74.00	-27.08	peak
4	4354.454	7.40	33.60	38.19	46.71	49.52	74.00	-24.48	peak
5	11570.000	12.17	38.17	36.10	36.09	50.33	74.00	-23.67	peak
6	pp17355.000	15.92	43.23	36.12	29.98	53.01	74.00	-20.99	peak

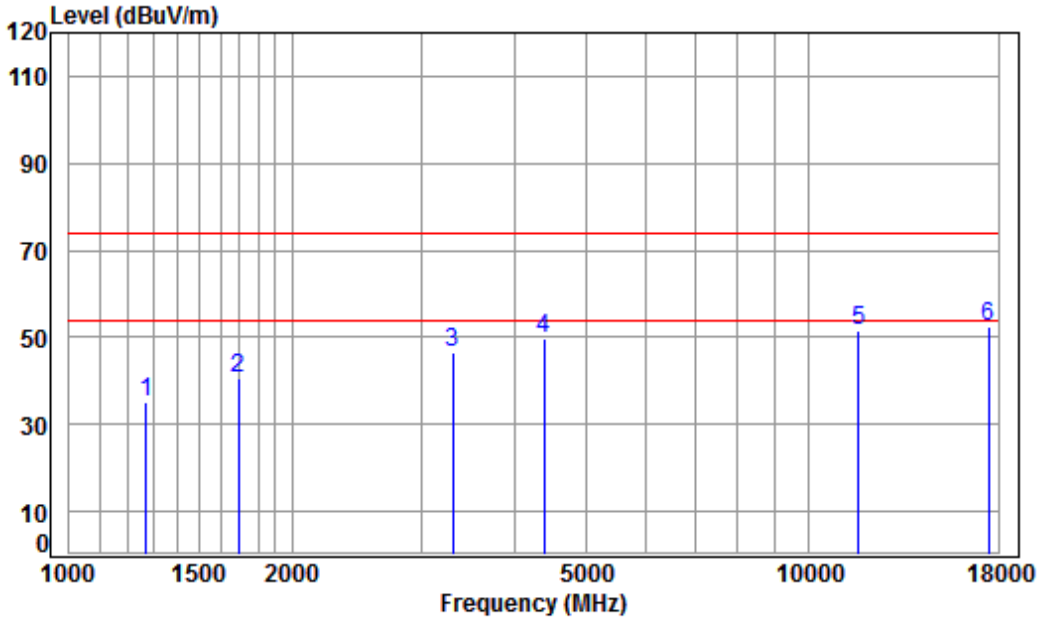
Test mode:	802.11n(HT20)	Frequency(MHz):	5825	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5825 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	45.16	35.92	74.00	-38.08	peak
2	1639.274	5.30	26.42	38.03	44.53	38.22	74.00	-35.78	peak
3	3214.623	6.20	31.70	37.92	46.87	46.85	74.00	-27.15	peak
4	4181.768	7.20	33.60	38.10	47.90	50.60	74.00	-23.40	peak
5	11650.000	12.20	38.25	36.19	37.34	51.60	74.00	-22.40	peak
6	pp17475.000	15.65	43.37	36.06	29.78	52.74	74.00	-21.26	peak

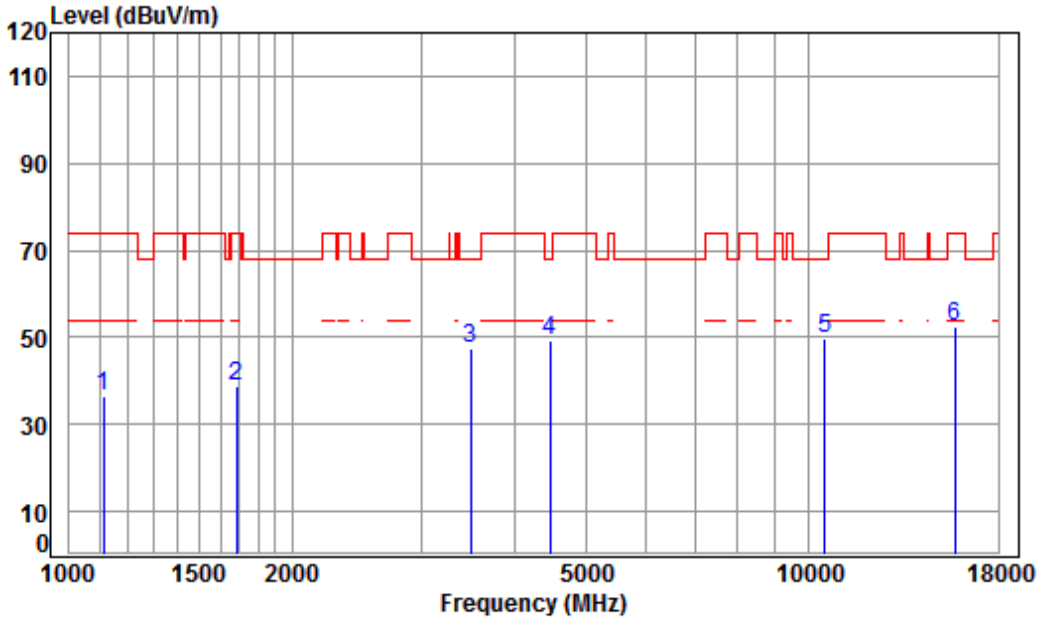
Test mode:	802.11n(HT20)	Frequency(MHz):	5825	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5825 TX RSE
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.82	38.07	43.81	35.25	74.00	-38.75	peak
2	1692.231	5.24	26.64	38.02	46.85	40.71	74.00	-33.29	peak
3	3299.344	6.28	31.86	37.93	46.53	46.74	74.00	-27.26	peak
4	4379.699	7.43	33.60	38.20	46.92	49.75	74.00	-24.25	peak
5	11650.000	12.20	38.25	36.19	37.49	51.75	74.00	-22.25	peak
6	pp17475.000	15.65	43.37	36.06	29.44	52.40	74.00	-21.60	peak

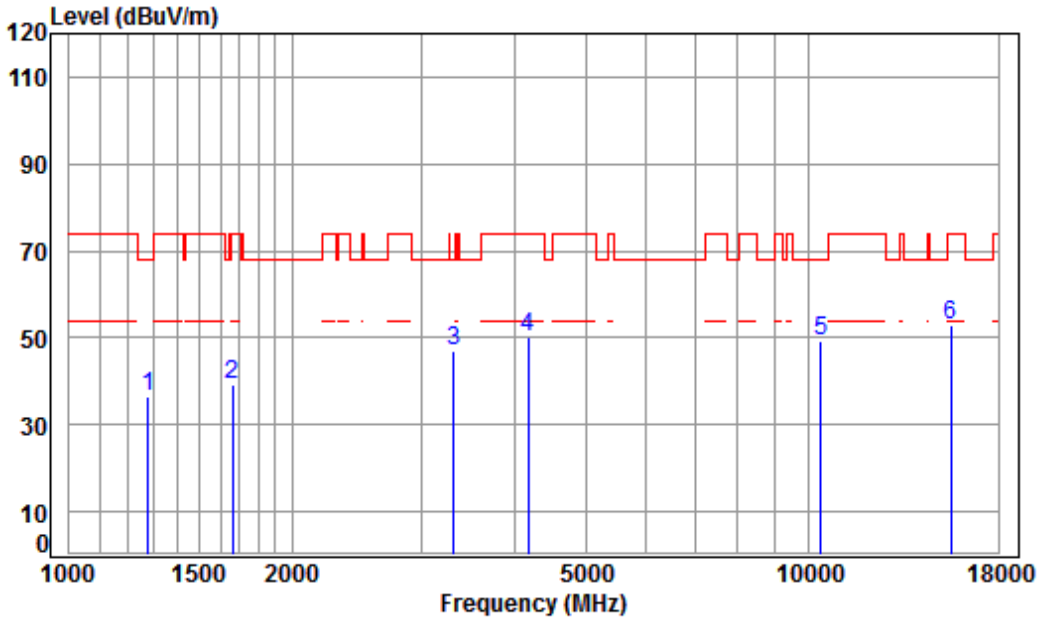
Test mode:	802.11ac(HT20)	Frequency(MHz):	5180	Peak	Vertical



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1112.872	4.06	24.03	38.08	46.35	36.36	74.00	-37.64	peak
2	1682.477	5.25	26.60	38.02	45.08	38.91	74.00	-35.09	peak
3	3485.601	6.45	32.18	37.95	46.89	47.57	68.20	-20.63	peak
4	4469.214	7.53	33.60	38.25	46.39	49.27	68.20	-18.93	peak
5	pp10480.000	11.28	37.12	35.15	36.64	49.89	68.20	-18.31	peak
6	15720.000	14.57	41.31	38.10	34.75	52.53	74.00	-21.47	peak

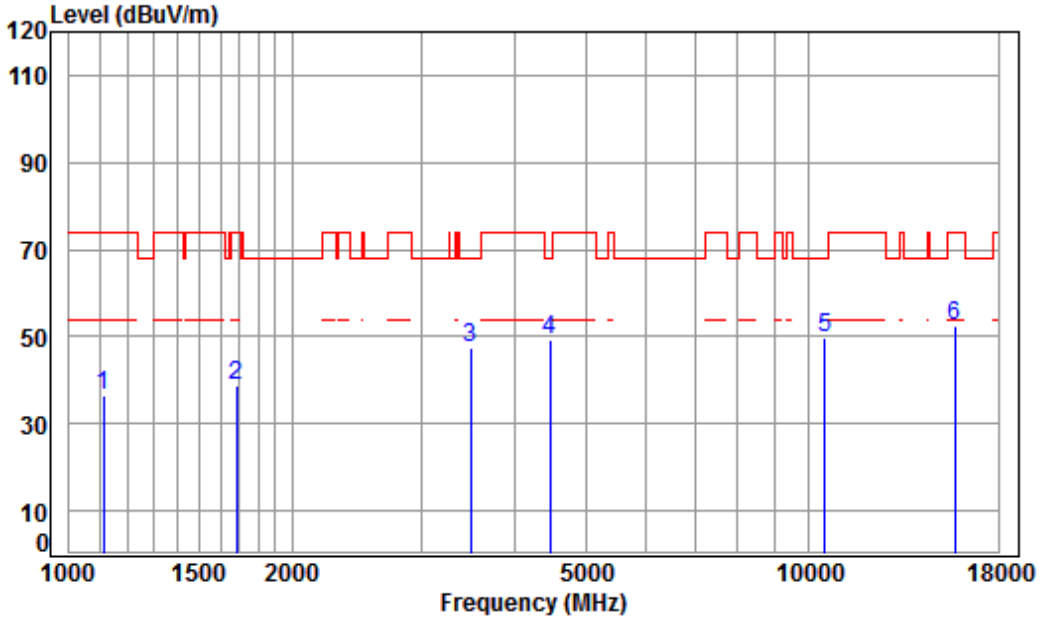
Test mode:	802.11ac(HT20)	Frequency(MHz):	5180	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5180 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	44.81	36.32	68.20	-31.88	peak
2	1663.137	5.27	26.52	38.03	45.58	39.34	74.00	-34.66	peak
3	3308.894	6.29	31.87	37.93	46.83	47.06	68.20	-21.14	peak
4	4169.698	7.18	33.60	38.09	47.50	50.19	74.00	-23.81	peak
5	pp10360.000	11.19	37.24	35.09	36.05	49.39	68.20	-18.81	peak
6	15540.000	14.30	41.38	38.30	35.48	52.86	74.00	-21.14	peak

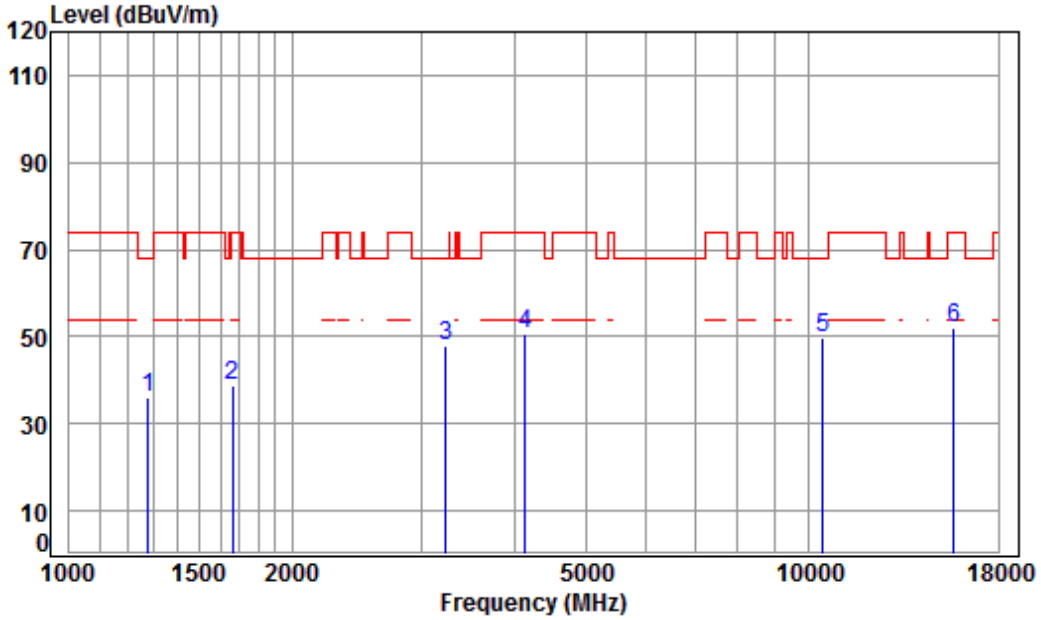
Test mode:	802.11ac(HT20)	Frequency(MHz):	5220	Peak	Vertical



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1112.872	4.06	24.03	38.08	46.35	36.36	74.00	-37.64	peak
2	1682.477	5.25	26.60	38.02	45.08	38.91	74.00	-35.09	peak
3	3485.601	6.45	32.18	37.95	46.89	47.57	68.20	-20.63	peak
4	4469.214	7.53	33.60	38.25	46.39	49.27	68.20	-18.93	peak
5	pp10480.000	11.28	37.12	35.15	36.64	49.89	68.20	-18.31	peak
6	15720.000	14.57	41.31	38.10	34.75	52.53	74.00	-21.47	peak

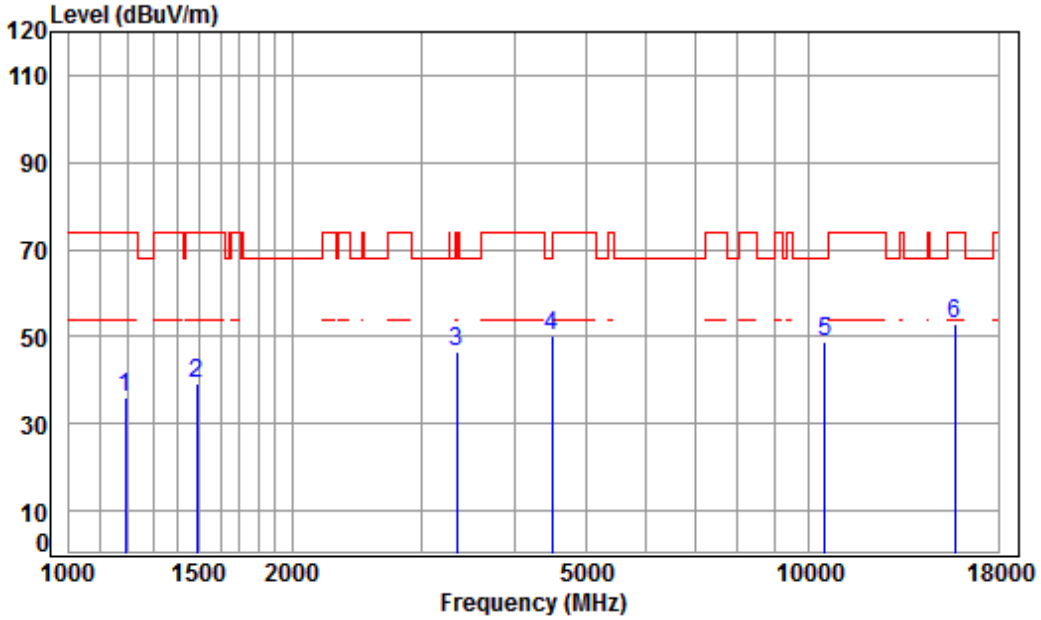
Test mode:	802.11ac(HT20)	Frequency(MHz):	5220	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5220 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	44.31	35.82	68.20	-32.38	peak
2	1663.137	5.27	26.52	38.03	45.07	38.83	74.00	-35.17	peak
3	3223.928	6.20	31.72	37.93	47.73	47.72	68.20	-20.48	peak
4	4133.699	7.14	33.60	38.07	47.84	50.51	74.00	-23.49	peak
5	pp10440.000	11.25	37.16	35.13	36.52	49.80	68.20	-18.40	peak
6	15660.000	14.48	41.34	38.17	34.31	51.96	74.00	-22.04	peak

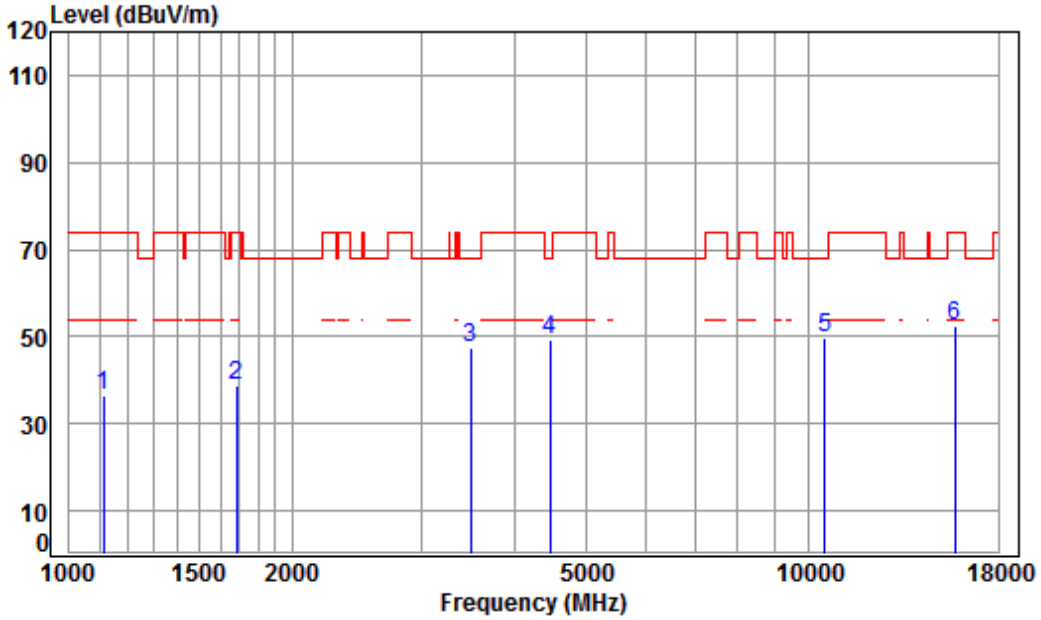
Test mode:	802.11ac(HT20)	Frequency(MHz):	5240	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.44	38.07	45.28	36.04	74.00	-37.96	peak
2	1485.841	5.43	25.74	38.04	45.92	39.05	74.00	-34.95	peak
3	3337.710	6.31	31.92	37.94	46.30	46.59	74.00	-27.41	peak
4 pp	4495.125	7.55	33.60	38.26	47.36	50.25	68.20	-17.95	peak
5	10480.000	11.28	37.12	35.15	35.78	49.03	68.20	-19.17	peak
6	15720.000	14.57	41.31	38.10	35.19	52.97	74.00	-21.03	peak

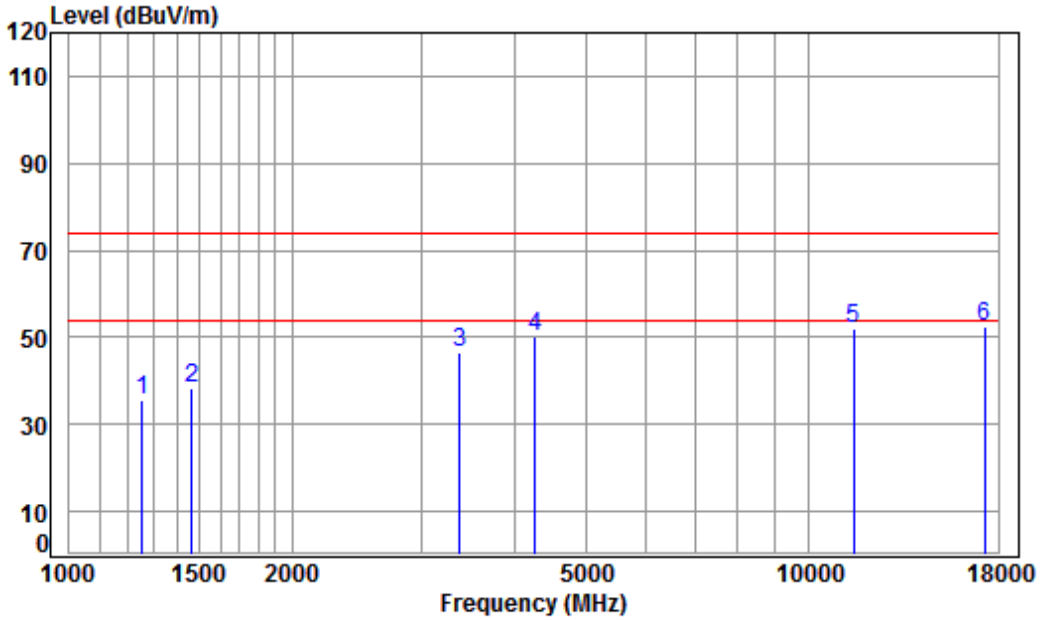
Test mode:	802.11ac(HT20)	Frequency(MHz):	5240	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1112.872	4.06	24.03	38.08	46.35	36.36	74.00	-37.64	peak
2	1682.477	5.25	26.60	38.02	45.08	38.91	74.00	-35.09	peak
3	3485.601	6.45	32.18	37.95	46.89	47.57	68.20	-20.63	peak
4	4469.214	7.53	33.60	38.25	46.39	49.27	68.20	-18.93	peak
5	pp10480.000	11.28	37.12	35.15	36.64	49.89	68.20	-18.31	peak
6	15720.000	14.57	41.31	38.10	34.75	52.53	74.00	-21.47	peak

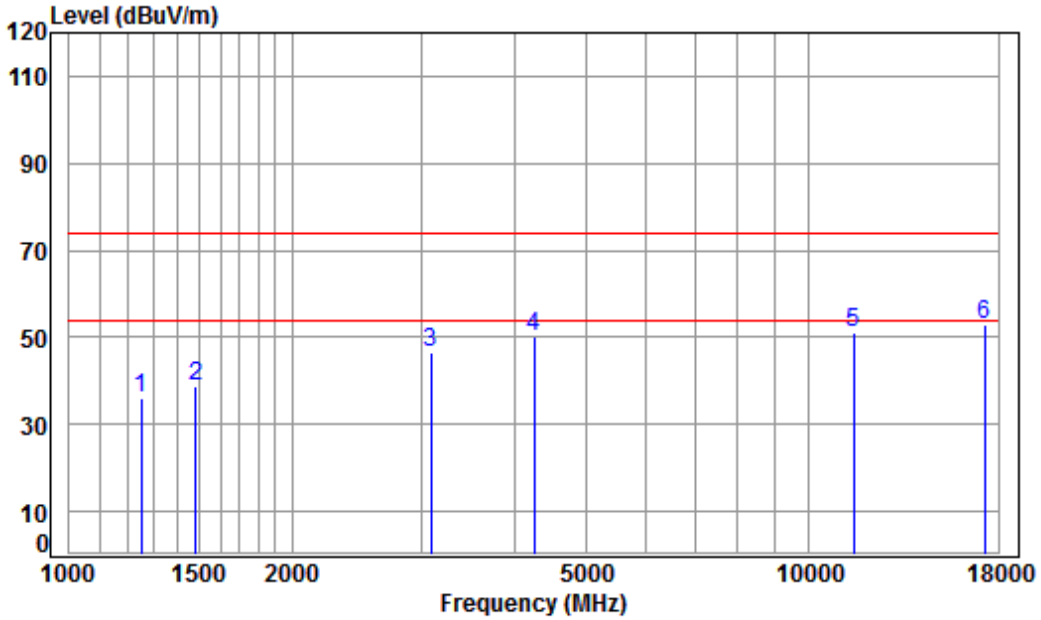
Test mode:	802.11ac(HT20)	Frequency(MHz):	5745	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5745 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	4.64	24.75	38.07	44.35	35.67	74.00	-38.33	peak
2	1464.522	5.37	25.66	38.04	45.37	38.36	74.00	-35.64	peak
3	3366.778	6.34	31.97	37.94	46.13	46.50	74.00	-27.50	peak
4	4267.237	7.30	33.60	38.14	47.61	50.37	74.00	-23.63	peak
5	11490.000	12.13	38.09	36.00	37.95	52.17	74.00	-21.83	peak
6	pp17235.000	16.18	43.08	36.18	29.34	52.42	74.00	-21.58	peak

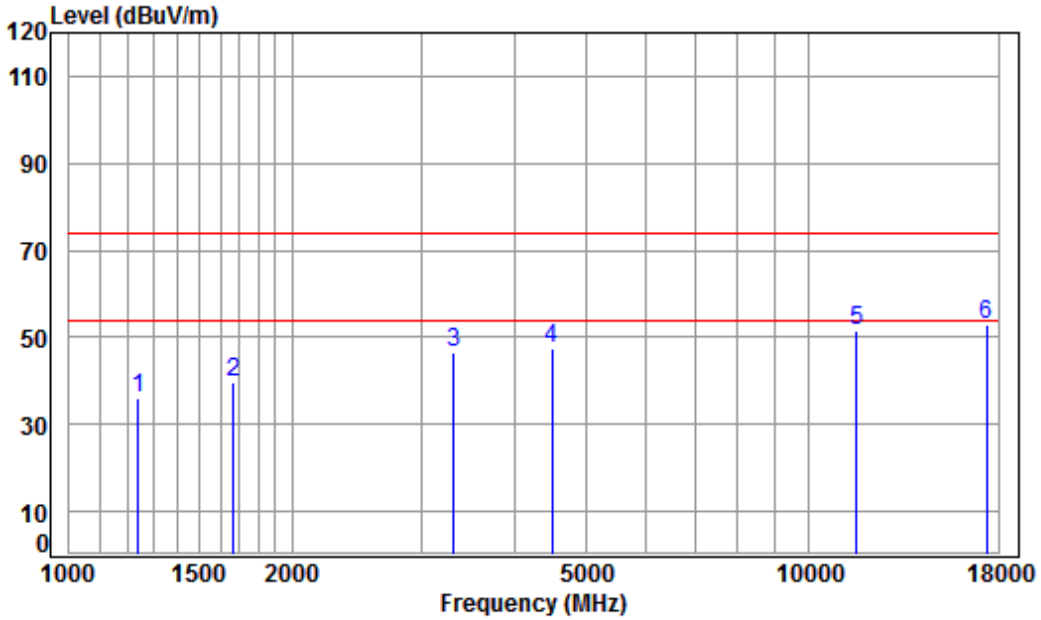
Test mode:	802.11ac(HT20)	Frequency(MHz):	5745	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5745 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	4.62	24.73	38.07	44.71	35.99	74.00	-38.01	peak
2	1481.553	5.42	25.73	38.04	45.56	38.67	74.00	-35.33	peak
3	3087.140	6.07	31.47	37.91	46.74	46.37	74.00	-27.63	peak
4	4242.641	7.27	33.60	38.13	47.35	50.09	74.00	-23.91	peak
5	11490.000	12.13	38.09	36.00	37.00	51.22	74.00	-22.78	peak
6	pp17235.000	16.18	43.08	36.18	29.86	52.94	74.00	-21.06	peak

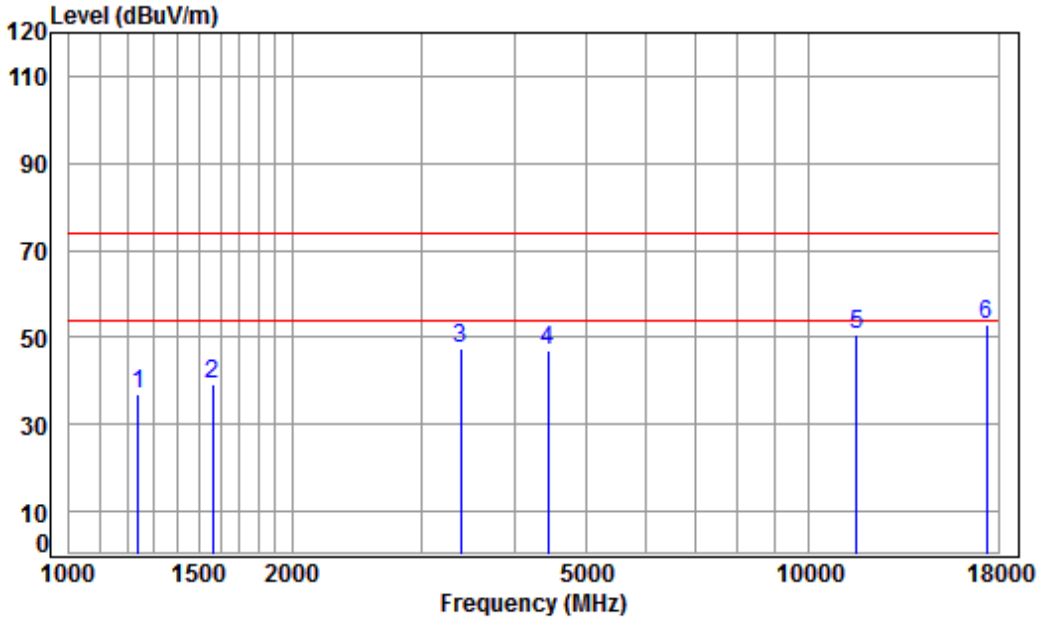
Test mode:	802.11ac(HT20)	Frequency(MHz):	5785	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5785 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	4.57	24.67	38.07	44.91	36.08	74.00	-37.92	peak
2	1667.951	5.27	26.54	38.03	45.89	39.67	74.00	-34.33	peak
3	3308.894	6.29	31.87	37.93	46.51	46.74	74.00	-27.26	peak
4	4495.125	7.55	33.60	38.26	44.53	47.42	74.00	-26.58	peak
5	11570.000	12.17	38.17	36.10	37.14	51.38	74.00	-22.62	peak
6	pp17355.000	15.92	43.23	36.12	29.98	53.01	74.00	-20.99	peak

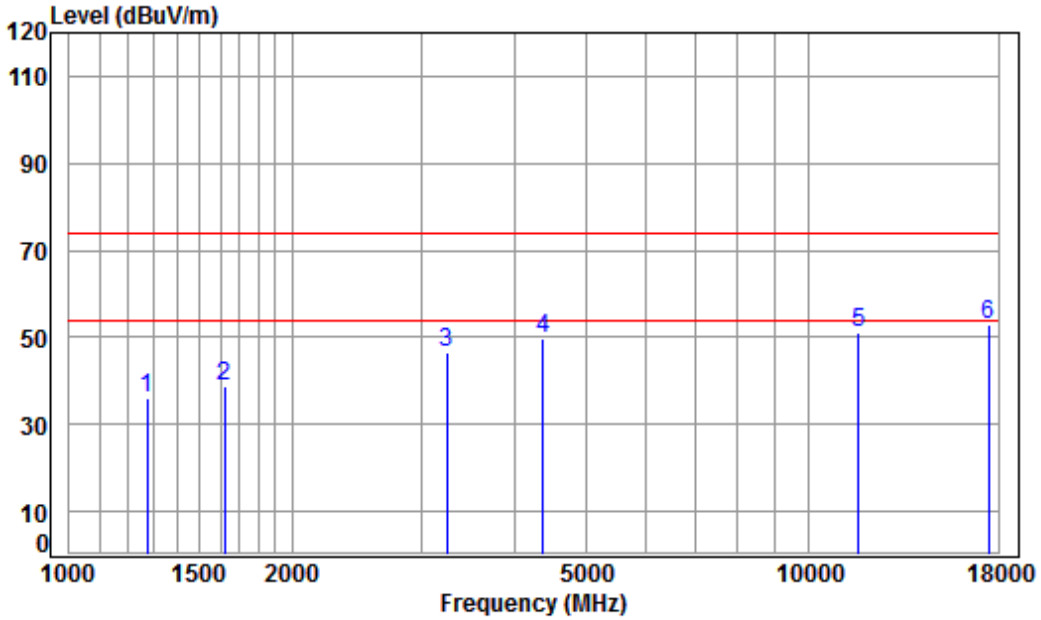
Test mode:	802.11ac(HT20)	Frequency(MHz):	5785	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5785 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	4.57	24.67	38.07	45.89	37.06	74.00	-36.94	peak
2	1565.191	5.39	26.10	38.04	45.79	39.24	74.00	-34.76	peak
3	3386.297	6.36	32.01	37.94	46.88	47.31	74.00	-26.69	peak
4	4430.628	7.48	33.60	38.23	44.08	46.93	74.00	-27.07	peak
5	11570.000	12.17	38.17	36.10	36.23	50.47	74.00	-23.53	peak
6	pp17355.000	15.92	43.23	36.12	29.94	52.97	74.00	-21.03	peak

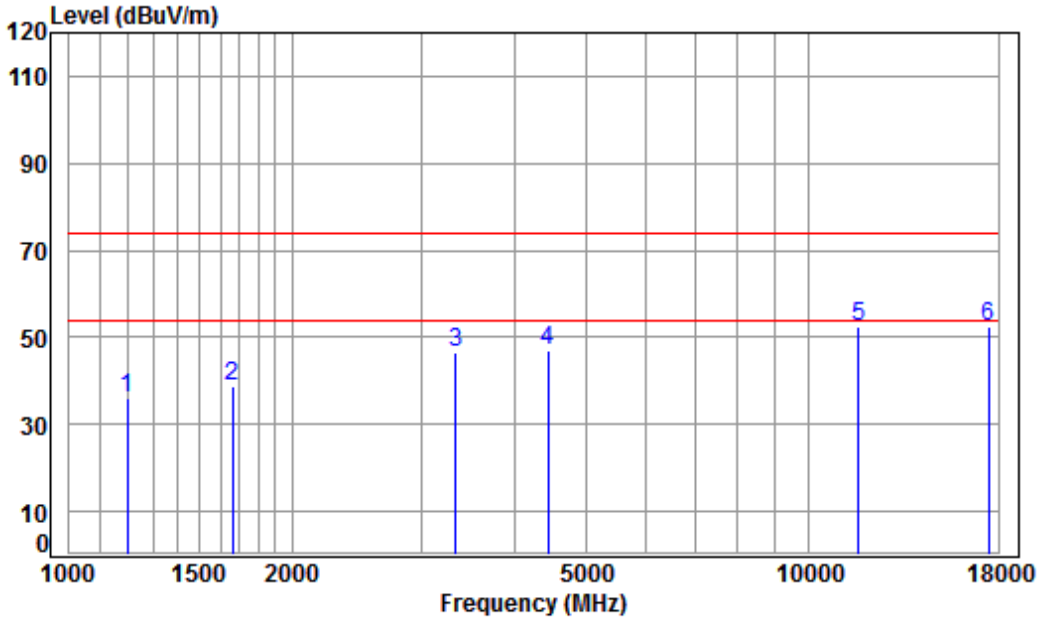
Test mode:	802.11ac(HT20)	Frequency(MHz):	5825	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5825 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	38.06	44.48	35.97	74.00	-38.03	peak
2	1620.431	5.32	26.34	38.03	44.94	38.57	74.00	-35.43	peak
3	3242.619	6.22	31.75	37.93	46.34	46.38	74.00	-27.62	peak
4	4367.058	7.41	33.60	38.20	47.09	49.90	74.00	-24.10	peak
5	11650.000	12.20	38.25	36.19	36.97	51.23	74.00	-22.77	peak
6	pp17475.000	15.65	43.37	36.06	29.76	52.72	74.00	-21.28	peak

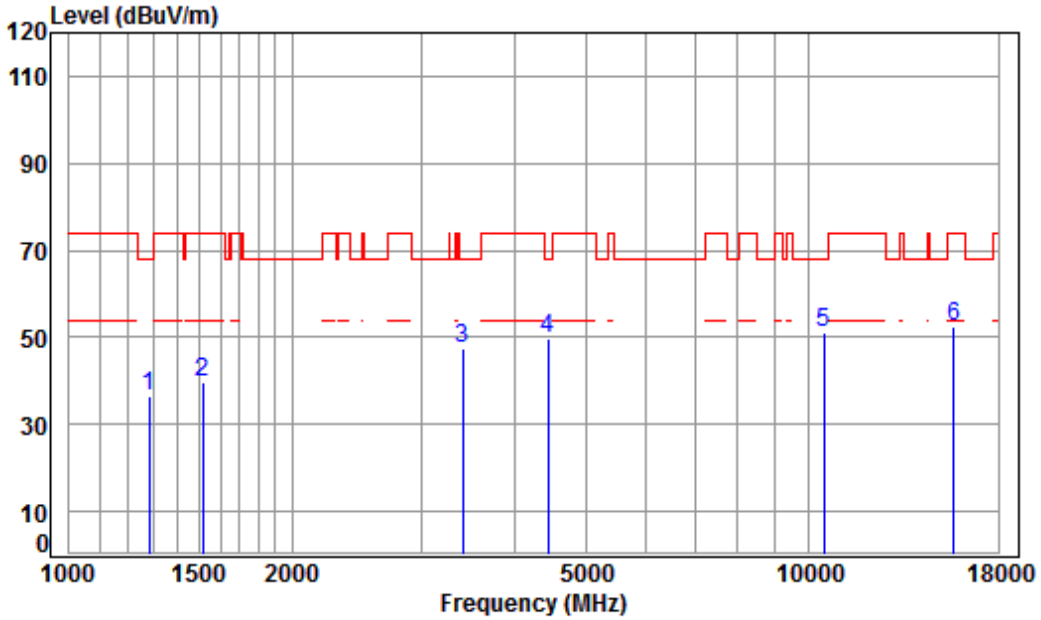
Test mode:	802.11ac(HT20)	Frequency(MHz):	5825	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5825 TX RSE
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	4.42	24.48	38.07	45.38	36.21	74.00	-37.79	peak
2	1663.137	5.27	26.52	38.03	45.20	38.96	74.00	-35.04	peak
3	3328.077	6.30	31.91	37.94	46.39	46.66	74.00	-27.34	peak
4	4430.628	7.48	33.60	38.23	44.10	46.95	74.00	-27.05	peak
5	11650.000	12.20	38.25	36.19	38.06	52.32	74.00	-21.68	peak
6	pp17475.000	15.65	43.37	36.06	29.44	52.40	74.00	-21.60	peak

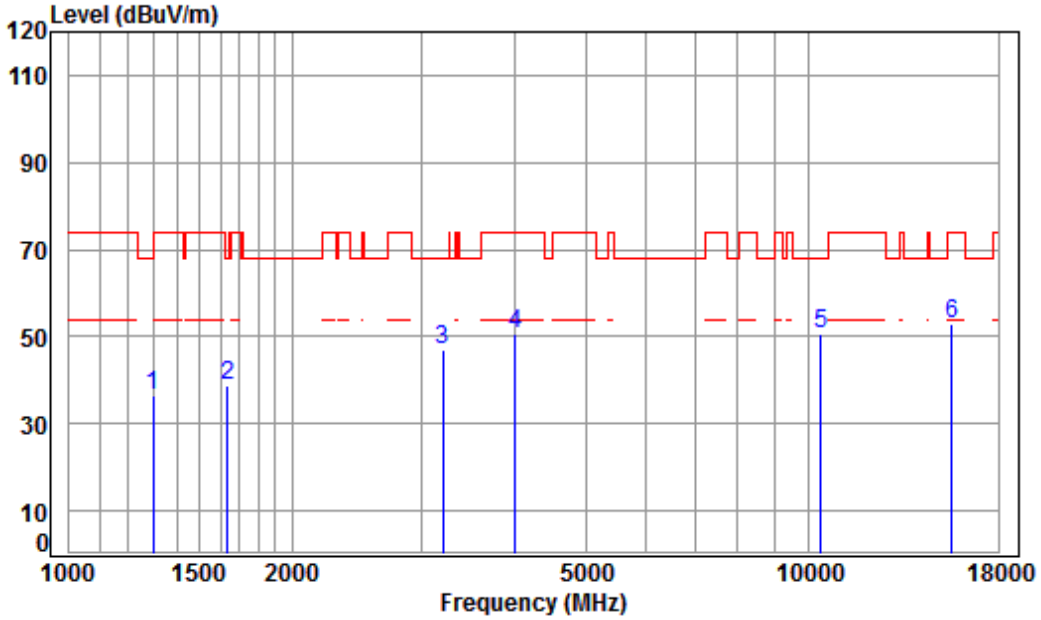
Test mode:	802.11n(HT40)	Frequency(MHz):	5190	Peak	Vertical



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5230 TX RSE
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	45.12	36.66	68.20	-31.54	peak
2	1516.210	5.46	25.87	38.04	46.31	39.60	74.00	-34.40	peak
3	3405.929	6.38	32.04	37.94	46.85	47.33	68.20	-20.87	peak
4	4443.453	7.50	33.60	38.24	47.08	49.94	68.20	-18.26	peak
5	pp10460.000	11.26	37.14	35.14	37.64	50.90	68.20	-17.30	peak
6	15690.000	14.53	41.32	38.13	34.77	52.49	74.00	-21.51	peak

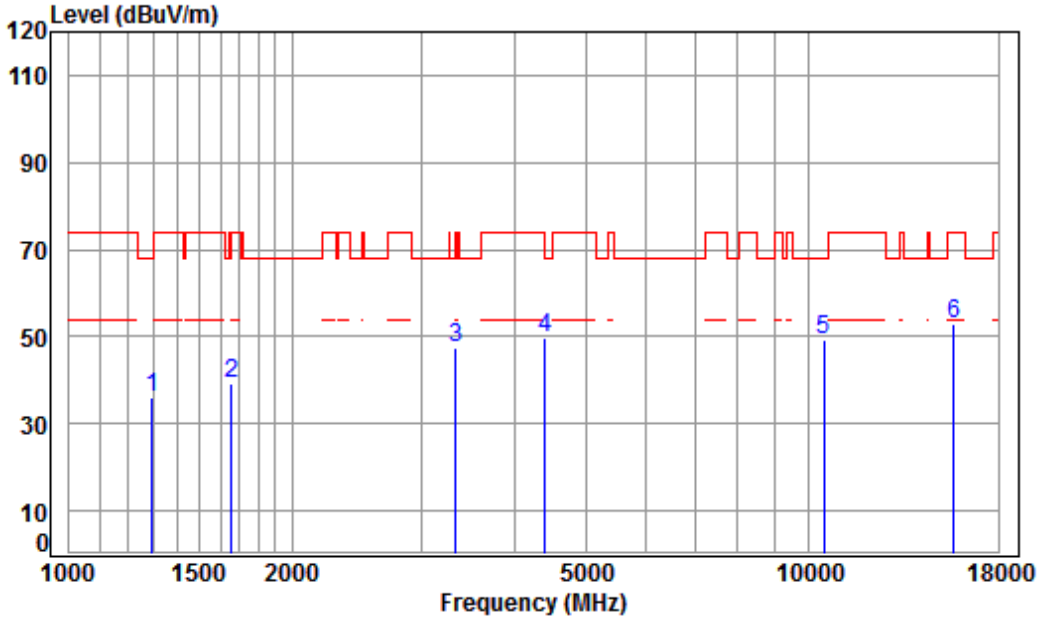
Test mode:	802.11n(HT40)	Frequency(MHz):	5190	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5190 TX RSE
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	45.03	36.73	74.00	-37.27	peak
2	1639.274	5.30	26.42	38.03	45.12	38.81	68.20	-29.39	peak
3	3196.094	6.18	31.67	37.92	47.05	46.98	68.20	-21.22	peak
4	4004.339	6.99	33.60	38.00	47.96	50.55	74.00	-23.45	peak
5	pp10380.000	11.21	37.22	35.10	37.34	50.67	68.20	-17.53	peak
6	15570.000	14.35	41.37	38.26	35.45	52.91	74.00	-21.09	peak

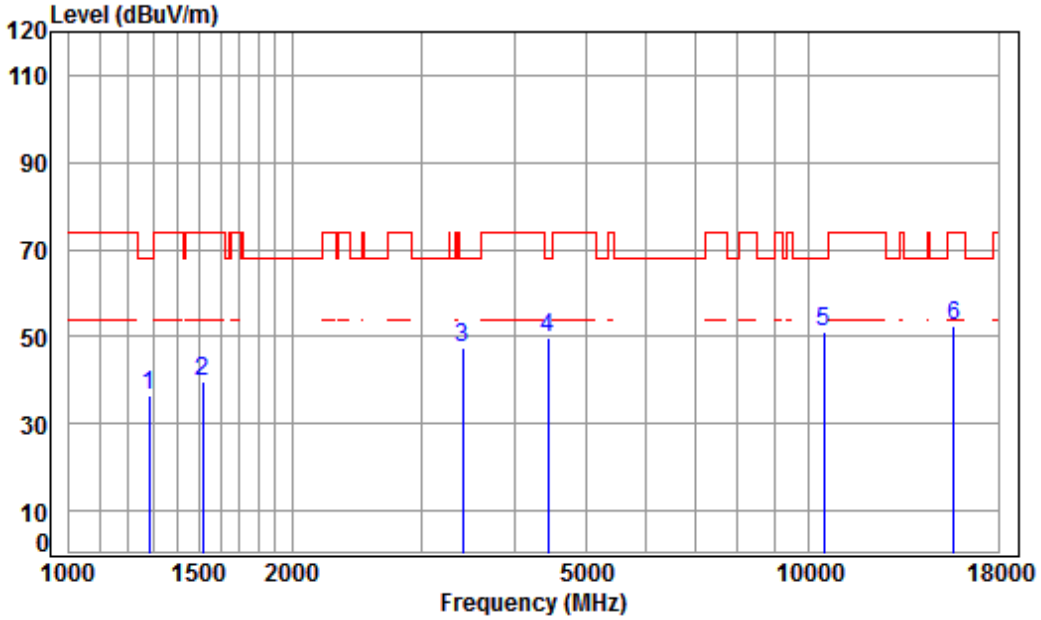
Test mode:	802.11n(HT40)	Frequency(MHz):	5230	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5230 TX RSE
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	24.92	38.06	44.27	35.90	68.20	-32.30	peak
2	1658.337	5.28	26.50	38.03	45.56	39.31	68.20	-28.89	peak
3	3328.077	6.30	31.91	37.94	47.22	47.49	68.20	-20.71	peak
4	4392.376	7.44	33.60	38.21	46.79	49.62	74.00	-24.38	peak
5	pp10460.000	11.26	37.14	35.14	35.92	49.18	68.20	-19.02	peak
6	15690.000	14.53	41.32	38.13	35.31	53.03	74.00	-20.97	peak

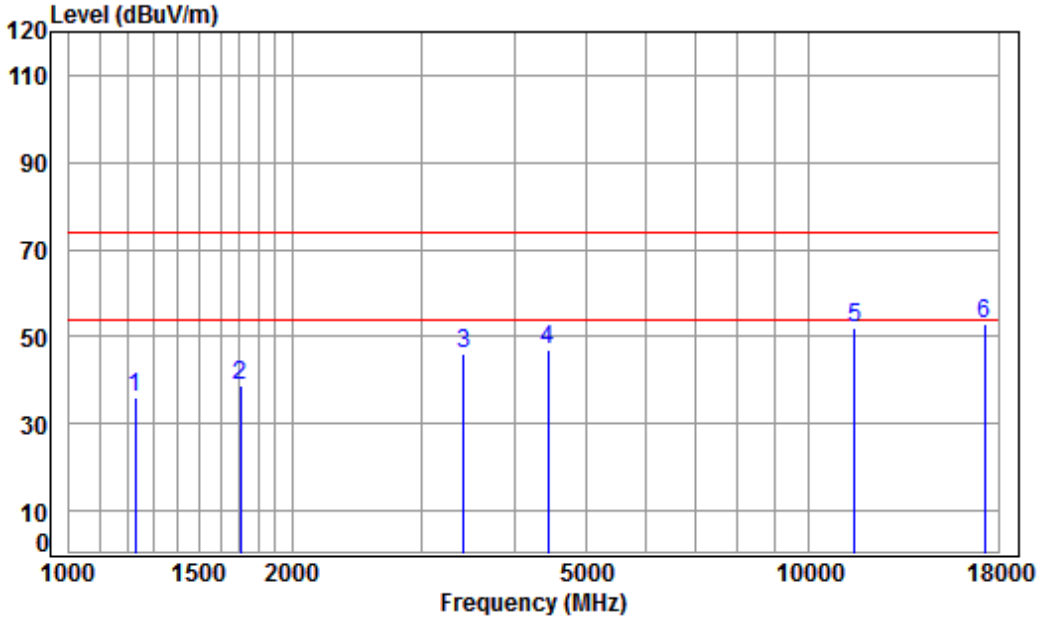
Test mode:	802.11n(HT40)	Frequency(MHz):	5230	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5230 TX RSE
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	45.12	36.66	68.20	-31.54	peak
2	1516.210	5.46	25.87	38.04	46.31	39.60	74.00	-34.40	peak
3	3405.929	6.38	32.04	37.94	46.85	47.33	68.20	-20.87	peak
4	4443.453	7.50	33.60	38.24	47.08	49.94	68.20	-18.26	peak
5	pp10460.000	11.26	37.14	35.14	37.64	50.90	68.20	-17.30	peak
6	15690.000	14.53	41.32	38.13	34.77	52.49	74.00	-21.51	peak

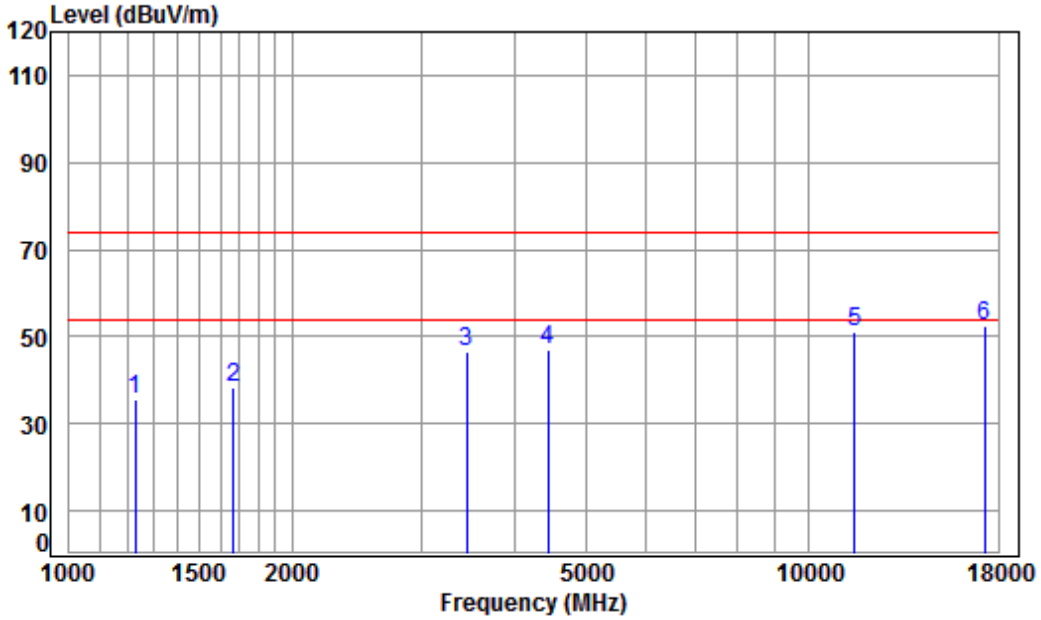
Test mode:	802.11n(HT40)	Frequency(MHz):	5755	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5755 TX RSE
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	38.07	44.87	35.94	74.00	-38.06	peak
2	1702.042	5.23	26.68	38.02	44.94	38.83	74.00	-35.17	peak
3	3415.787	6.38	32.06	37.95	45.80	46.29	74.00	-27.71	peak
4	4443.453	7.50	33.60	38.24	44.09	46.95	74.00	-27.05	peak
5	11510.000	12.14	38.11	36.03	37.70	51.92	74.00	-22.08	peak
6	pp17265.000	16.12	43.12	36.16	29.97	53.05	74.00	-20.95	peak

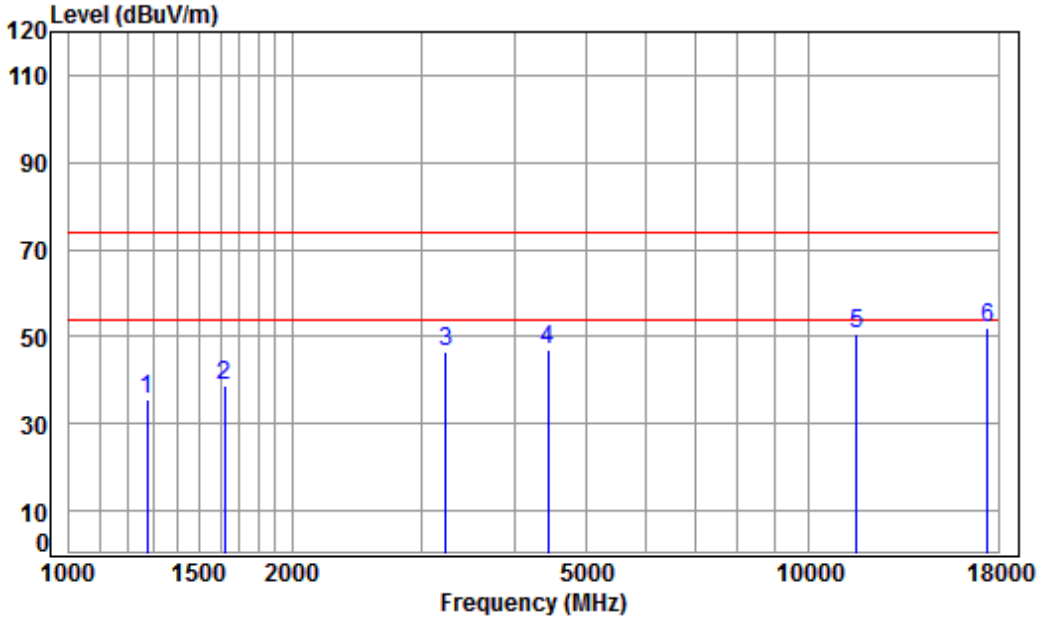
Test mode:	802.11n(HT40)	Frequency(MHz):	5755	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5755 TX RSE
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	38.07	44.63	35.70	74.00	-38.30	peak
2	1667.951	5.27	26.54	38.03	44.65	38.43	74.00	-35.57	peak
3	3445.535	6.41	32.11	37.95	45.90	46.47	74.00	-27.53	peak
4	4430.628	7.48	33.60	38.23	44.02	46.87	74.00	-27.13	peak
5	11510.000	12.14	38.11	36.03	36.91	51.13	74.00	-22.87	peak
6	pp17265.000	16.12	43.12	36.16	29.41	52.49	74.00	-21.51	peak

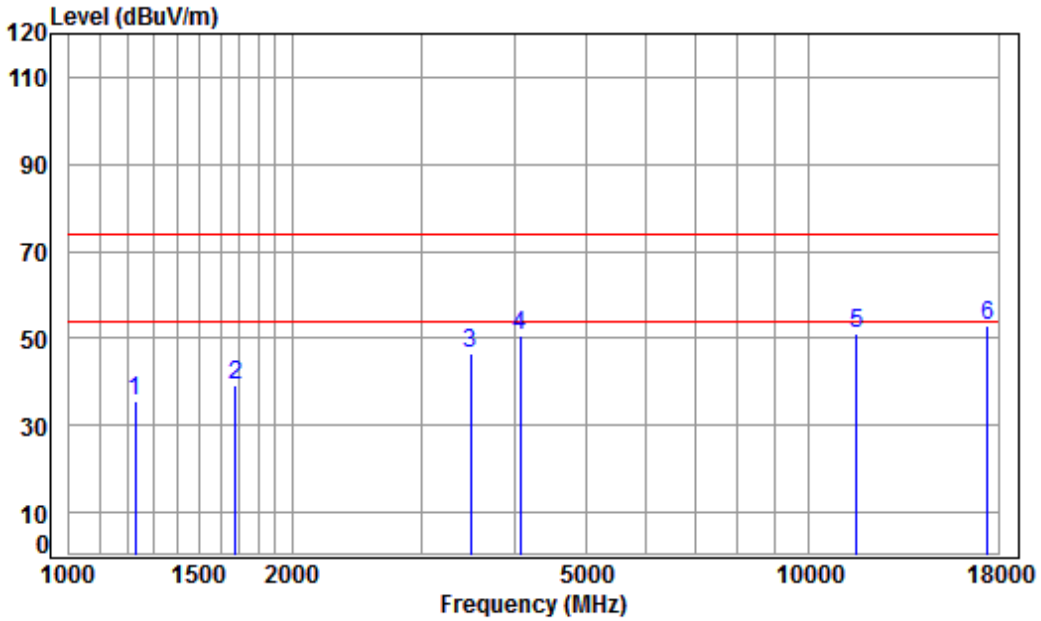
Test mode:	802.11n(HT40)	Frequency(MHz):	5795	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5795 TX RSE
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.84	38.06	44.08	35.57	74.00	-38.43	peak
2	1620.431	5.32	26.34	38.03	45.15	38.78	74.00	-35.22	peak
3	3233.260	6.21	31.74	37.93	46.52	46.54	74.00	-27.46	peak
4	4430.628	7.48	33.60	38.23	43.95	46.80	74.00	-27.20	peak
5	11590.000	12.17	38.19	36.12	36.60	50.84	74.00	-23.16	peak
6	pp17385.000	15.85	43.26	36.10	29.19	52.20	74.00	-21.80	peak

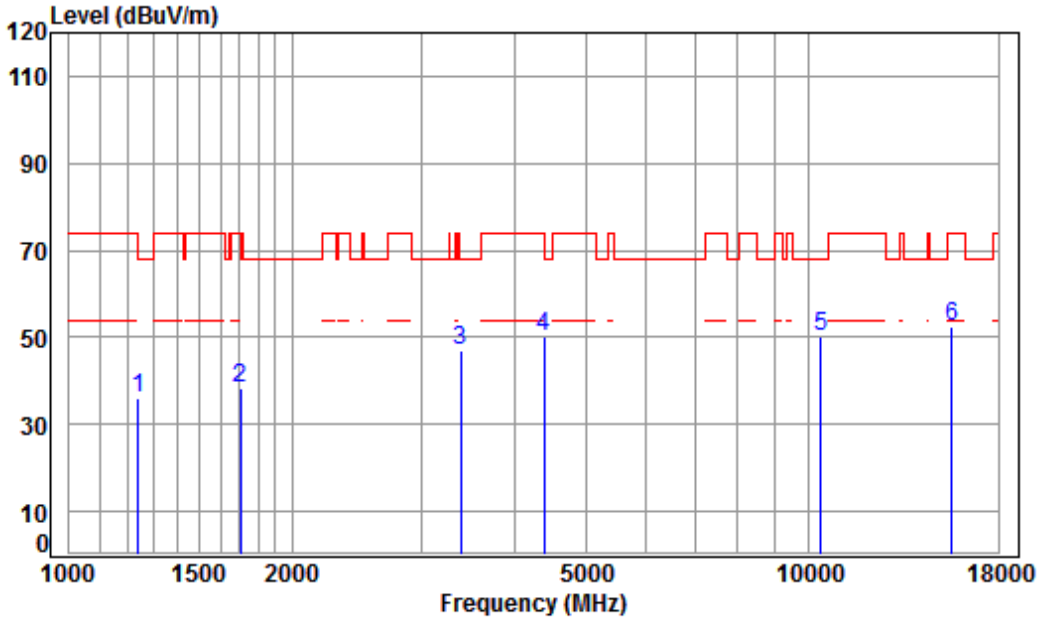
Test mode:	802.11n(HT40)	Frequency(MHz):	5795	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5795 TX RSE
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	38.07	44.43	35.50	74.00	-38.50	peak
2	1677.621	5.25	26.58	38.03	45.50	39.30	74.00	-34.70	peak
3	3485.601	6.45	32.18	37.95	45.68	46.36	74.00	-27.64	peak
4	4074.388	7.07	33.60	38.04	47.86	50.49	74.00	-23.51	peak
5	11590.000	12.17	38.19	36.12	36.64	50.88	74.00	-23.12	peak
6	pp17385.000	15.85	43.26	36.10	29.82	52.83	74.00	-21.17	peak

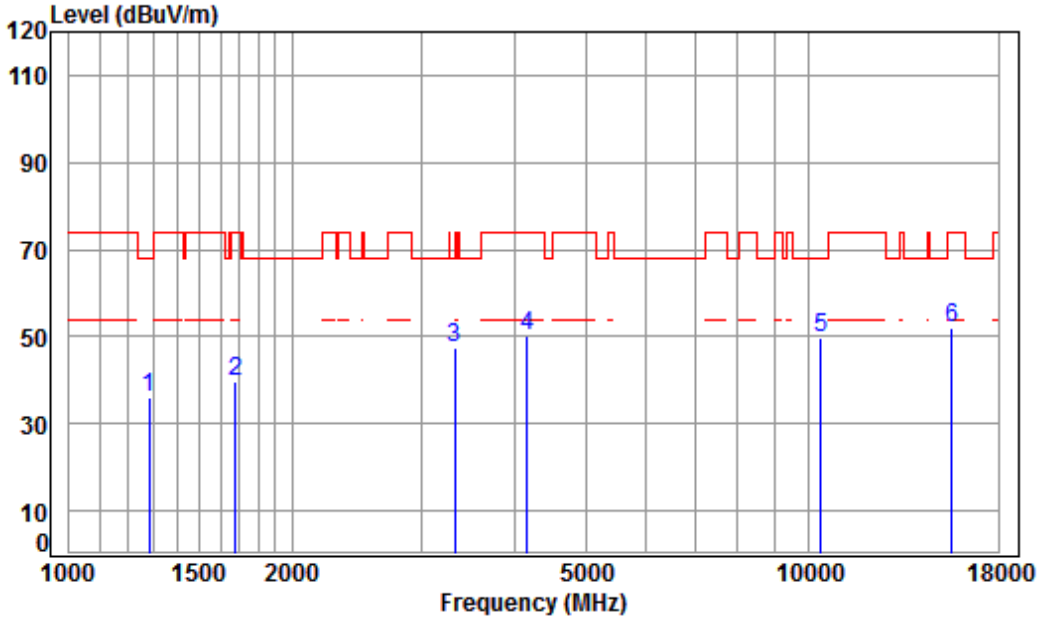
Test mode:	802.11ac(HT40)	Frequency(MHz):	5190	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5190 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	4.57	24.67	38.07	44.74	35.91	74.00	-38.09	peak
2	1702.042	5.23	26.68	38.02	44.47	38.36	74.00	-35.64	peak
3	3386.297	6.36	32.01	37.94	46.74	47.17	68.20	-21.03	peak
4	4379.699	7.43	33.60	38.20	47.38	50.21	74.00	-23.79	peak
5	pp10380.000	11.21	37.22	35.10	37.09	50.42	68.20	-17.78	peak
6	15570.000	14.35	41.37	38.26	35.01	52.47	74.00	-21.53	peak

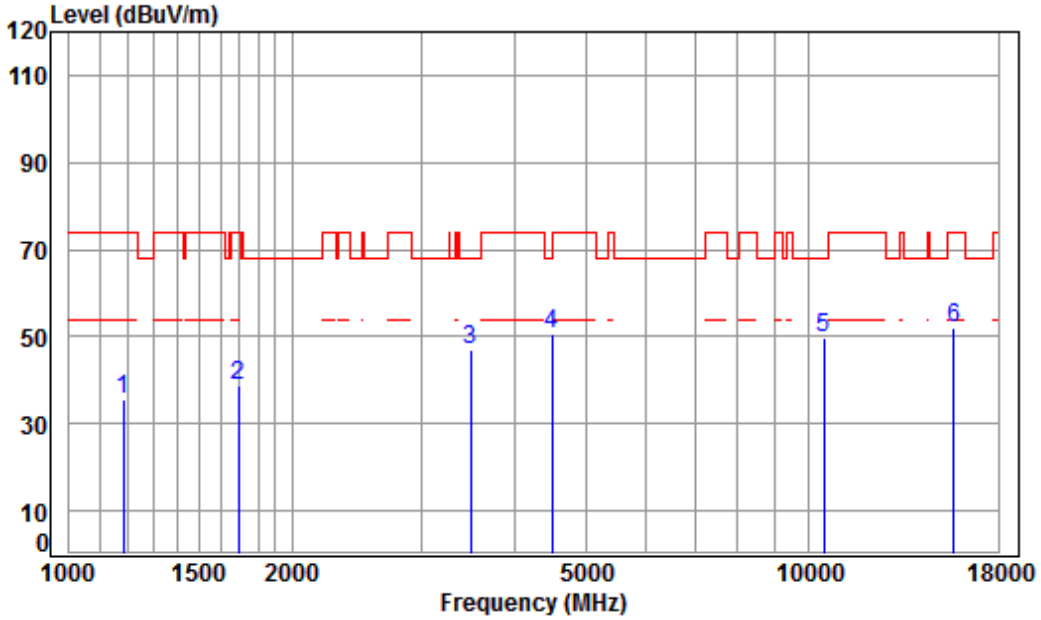
Test mode:	802.11ac(HT40)	Frequency(MHz):	5190	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5190 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.64	36.18	68.20	-32.02	peak
2	1677.621	5.25	26.58	38.03	45.71	39.51	74.00	-34.49	peak
3	3318.471	6.29	31.89	37.94	47.34	47.58	68.20	-20.62	peak
4	4157.664	7.17	33.60	38.09	47.41	50.09	74.00	-23.91	peak
5	pp10380.000	11.21	37.22	35.10	36.18	49.51	68.20	-18.69	peak
6	15570.000	14.35	41.37	38.26	34.70	52.16	74.00	-21.84	peak

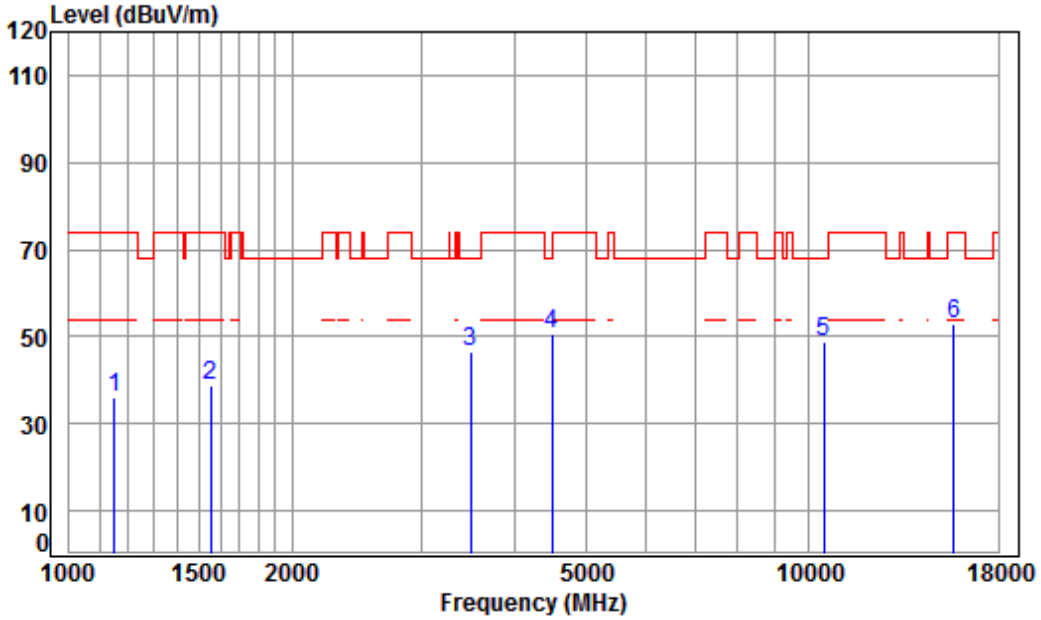
Test mode:	802.11ac(HT40)	Frequency(MHz):	5230	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5230 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.936	4.36	24.41	38.08	45.04	35.73	74.00	-38.27	peak
2	1692.231	5.24	26.64	38.02	44.77	38.63	74.00	-35.37	peak
3	3485.601	6.45	32.18	37.95	46.20	46.88	68.20	-21.32	peak
4 pp	4495.125	7.55	33.60	38.26	47.58	50.47	68.20	-17.73	peak
5	10460.000	11.26	37.14	35.14	36.62	49.88	68.20	-18.32	peak
6	15690.000	14.53	41.32	38.13	34.41	52.13	74.00	-21.87	peak

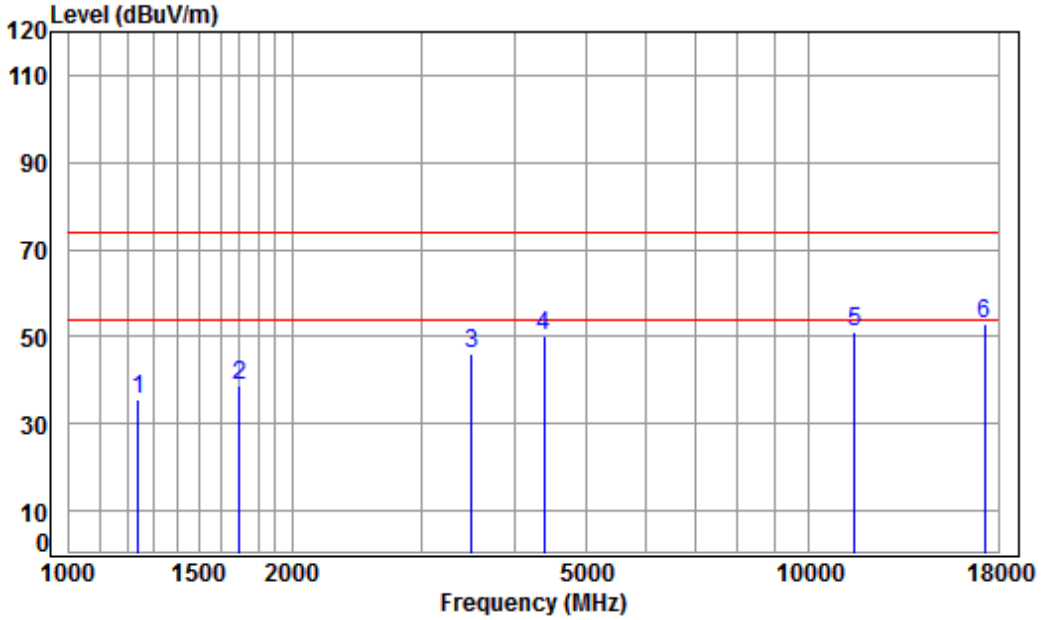
Test mode:	802.11ac(HT40)	Frequency(MHz):	5230	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5230 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1152.148	4.22	24.24	38.08	45.61	35.99	74.00	-38.01	peak
2	1551.677	5.41	26.04	38.04	45.27	38.68	74.00	-35.32	peak
3	3485.601	6.45	32.18	37.95	46.04	46.72	68.20	-21.48	peak
4 pp	4495.125	7.55	33.60	38.26	47.76	50.65	68.20	-17.55	peak
5	10460.000	11.26	37.14	35.14	35.71	48.97	68.20	-19.23	peak
6	15690.000	14.53	41.32	38.13	35.19	52.91	74.00	-21.09	peak

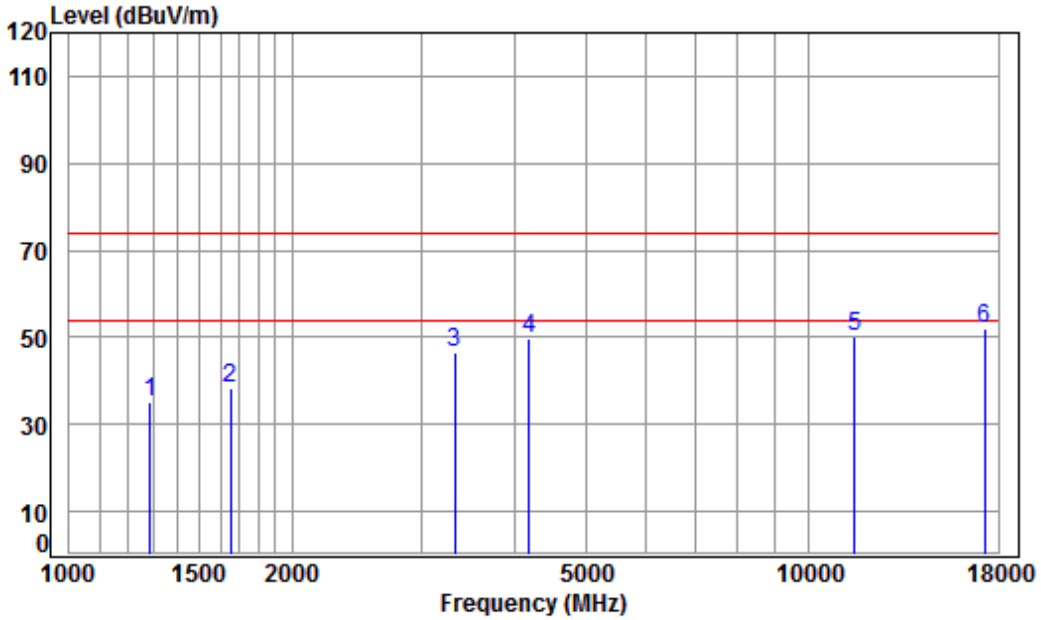
Test mode:	802.11ac(HT40)	Frequency(MHz):	5755	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5755 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	4.57	24.67	38.07	44.57	35.74	74.00	-38.26	peak
2	1697.129	5.23	26.66	38.02	45.07	38.94	74.00	-35.06	peak
3	3495.691	6.46	32.19	37.95	45.48	46.18	74.00	-27.82	peak
4	4379.699	7.43	33.60	38.20	47.13	49.96	74.00	-24.04	peak
5	11510.000	12.14	38.11	36.03	36.75	50.97	74.00	-23.03	peak
6	pp17265.000	16.12	43.12	36.16	29.81	52.89	74.00	-21.11	peak

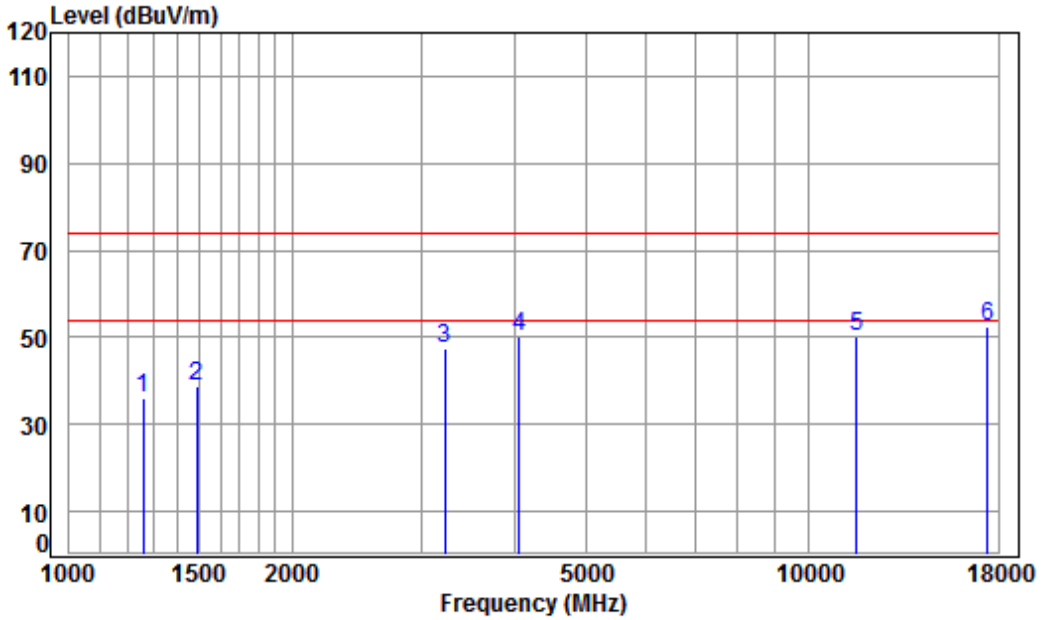
Test mode:	802.11ac(HT40)	Frequency(MHz):	5755	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5755 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	43.76	35.34	74.00	-38.66	peak
2	1653.550	5.28	26.48	38.03	44.82	38.55	74.00	-35.45	peak
3	3318.471	6.29	31.89	37.94	46.08	46.32	74.00	-27.68	peak
4	4181.768	7.20	33.60	38.10	46.91	49.61	74.00	-24.39	peak
5	11510.000	12.14	38.11	36.03	36.16	50.38	74.00	-23.62	peak
6	pp17265.000	16.12	43.12	36.16	28.76	51.84	74.00	-22.16	peak

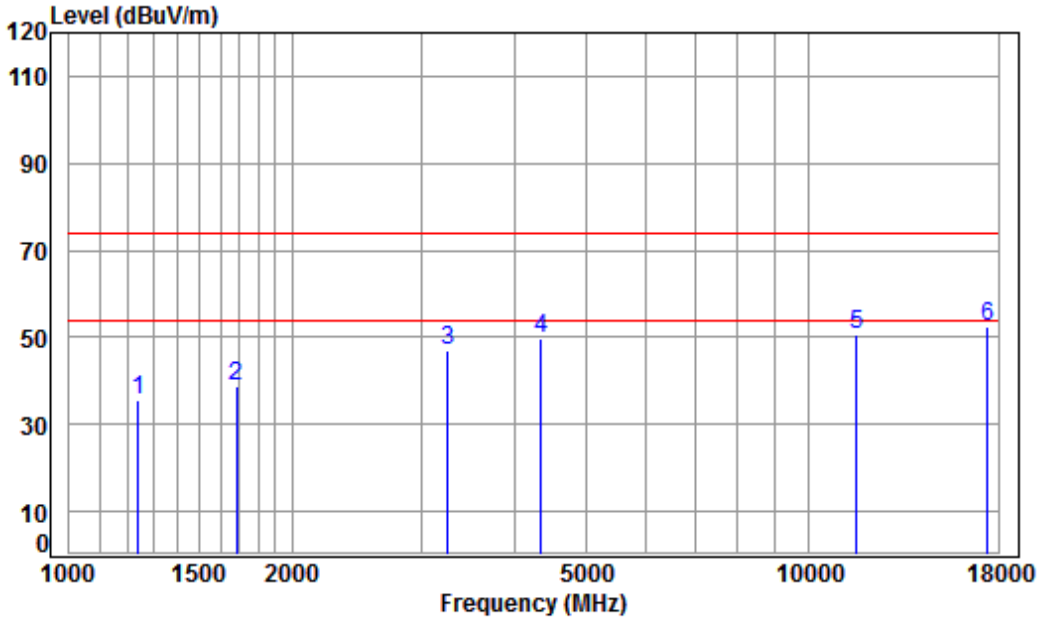
Test mode:	802.11ac(HT40)	Frequency(MHz):	5795	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5795 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	4.65	24.77	38.07	44.81	36.16	74.00	-37.84	peak
2	1490.142	5.45	25.76	38.04	45.62	38.79	74.00	-35.21	peak
3	3214.623	6.20	31.70	37.92	47.35	47.33	74.00	-26.67	peak
4	4062.629	7.06	33.60	38.03	47.57	50.20	74.00	-23.80	peak
5	11590.000	12.17	38.19	36.12	36.14	50.38	74.00	-23.62	peak
6	pp17385.000	15.85	43.26	36.10	29.68	52.69	74.00	-21.31	peak

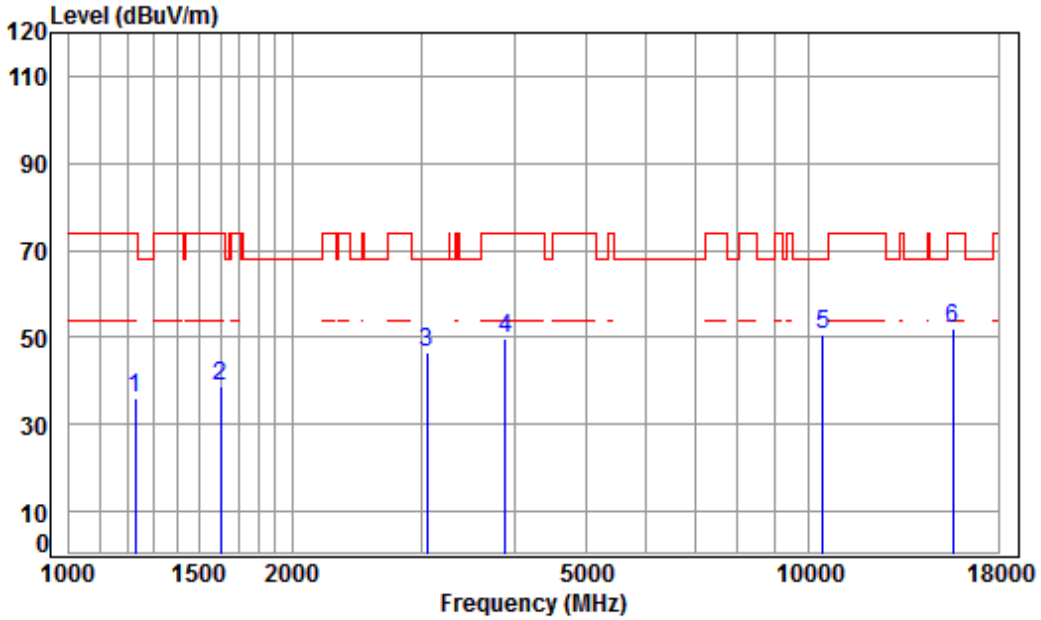
Test mode:	802.11ac(HT40)	Frequency(MHz):	5795	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5795 TX RSE
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	4.57	24.67	38.07	44.21	35.38	74.00	-38.62	peak
2	1682.477	5.25	26.60	38.02	44.76	38.59	74.00	-35.41	peak
3	3252.005	6.23	31.77	37.93	46.86	46.93	74.00	-27.07	peak
4	4341.886	7.38	33.60	38.18	46.73	49.53	74.00	-24.47	peak
5	11590.000	12.17	38.19	36.12	36.53	50.77	74.00	-23.23	peak
6	pp17385.000	15.85	43.26	36.10	29.53	52.54	74.00	-21.46	peak

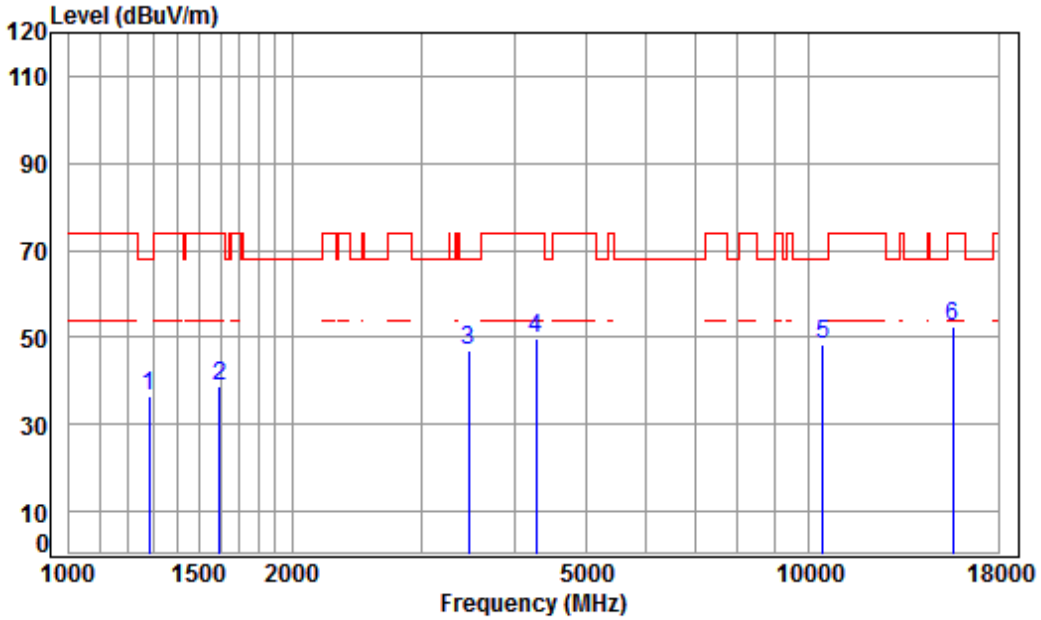
Test mode:	802.11ac(HT80)	Frequency(MHz):	5210	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.61	38.07	45.17	36.24	74.00	-37.76	peak
2	1601.804	5.35	26.26	38.03	45.33	38.91	74.00	-35.09	peak
3	3042.846	6.02	31.38	37.90	47.01	46.51	68.20	-21.69	peak
4	3890.255	6.87	33.31	37.99	47.68	49.87	74.00	-24.13	peak
5	pp10420.000	11.24	37.18	35.12	37.29	50.59	68.20	-17.61	peak
6	15630.000	14.44	41.35	38.20	34.57	52.16	74.00	-21.84	peak

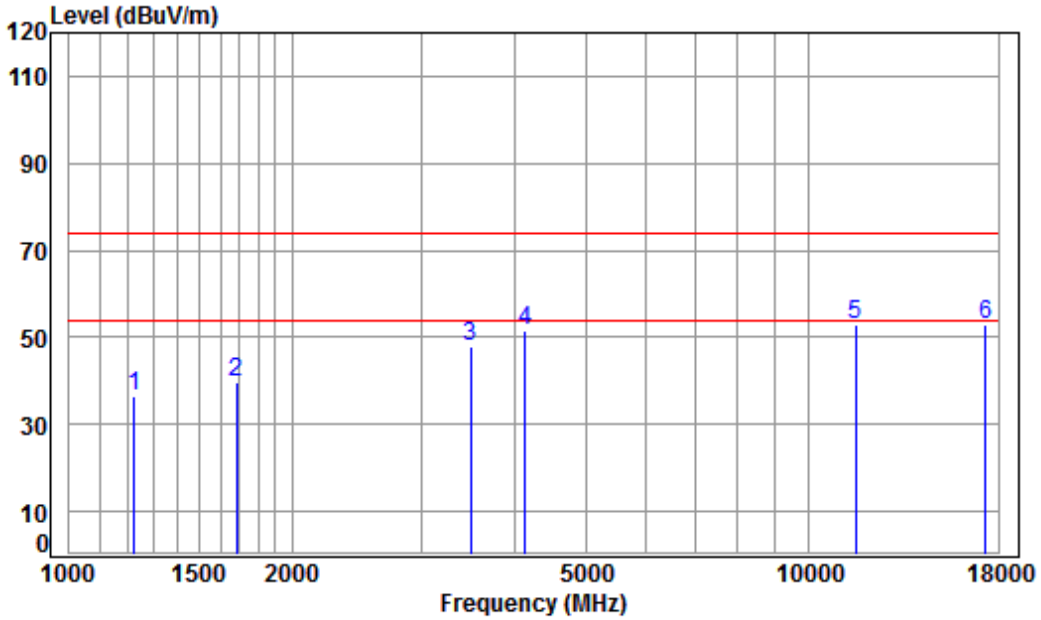
Test mode:	802.11ac(HT80)	Frequency(MHz):	5210	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	44.82	36.36	68.20	-31.84	peak
2	1597.181	5.35	26.24	38.03	45.34	38.90	74.00	-35.10	peak
3	3465.510	6.43	32.14	37.95	46.37	46.99	68.20	-21.21	peak
4	4279.589	7.31	33.60	38.15	47.11	49.87	74.00	-24.13	peak
5	pp10420.000	11.24	37.18	35.12	34.92	48.22	68.20	-19.98	peak
6	15630.000	14.44	41.35	38.20	34.92	52.51	74.00	-21.49	peak

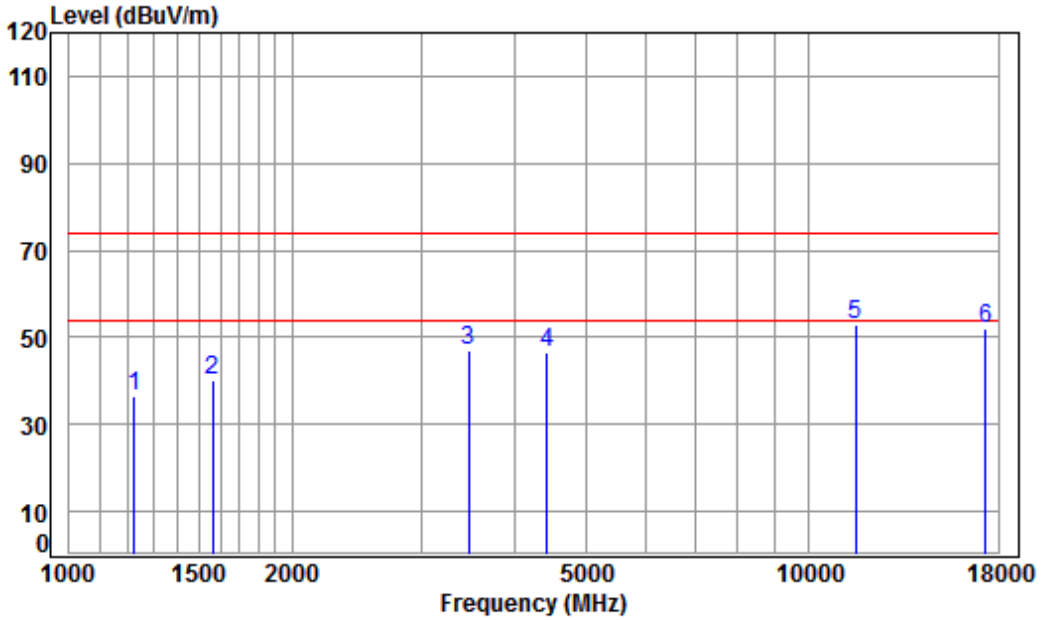
Test mode:	802.11ac(HT80)	Frequency(MHz):	5775	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5775 TX RSE
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	4.51	24.60	38.07	45.61	36.65	74.00	-37.35	peak
2	1682.477	5.25	26.60	38.02	46.03	39.86	74.00	-34.14	peak
3	3485.601	6.45	32.18	37.95	47.10	47.78	74.00	-26.22	peak
4	4133.699	7.14	33.60	38.07	48.70	51.37	74.00	-22.63	peak
5	11550.000	12.16	38.15	36.07	38.50	52.74	74.00	-21.26	peak
6	pp17325.000	15.98	43.19	36.13	29.80	52.84	74.00	-21.16	peak

Test mode:	802.11ac(HT80)	Frequency(MHz):	5775	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5775 TX RSE
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	4.51	24.60	38.07	45.49	36.53	74.00	-37.47	peak
2	1565.191	5.39	26.10	38.04	46.83	40.28	74.00	-33.72	peak
3	3465.510	6.43	32.14	37.95	46.30	46.92	74.00	-27.08	peak
4	4417.841	7.47	33.60	38.22	43.76	46.61	74.00	-27.39	peak
5	pp11550.000	12.16	38.15	36.07	38.50	52.74	74.00	-21.26	peak
6	17325.000	15.98	43.19	36.13	29.19	52.23	74.00	-21.77	peak

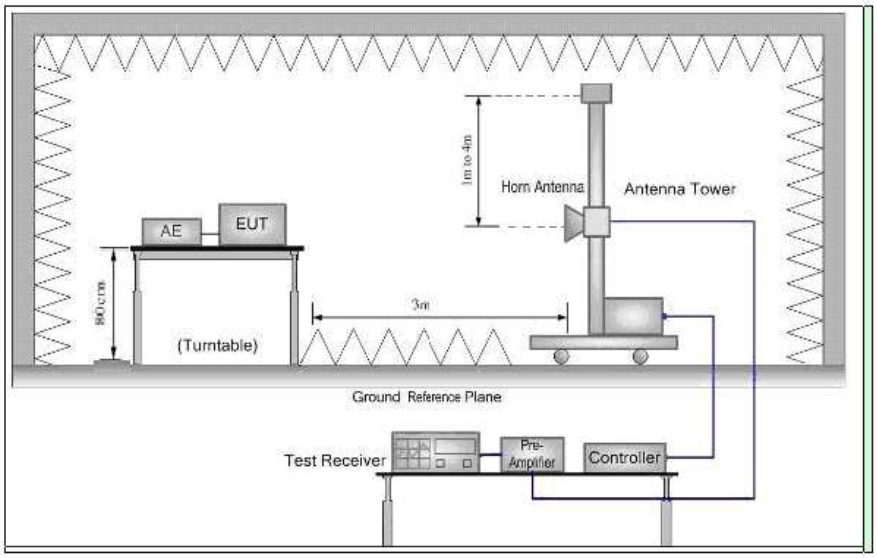
Remark:
1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
2) Scan from 9kHz to 25GHz,the disturbance above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

6.8 Restricted bands around fundamental frequency

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

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

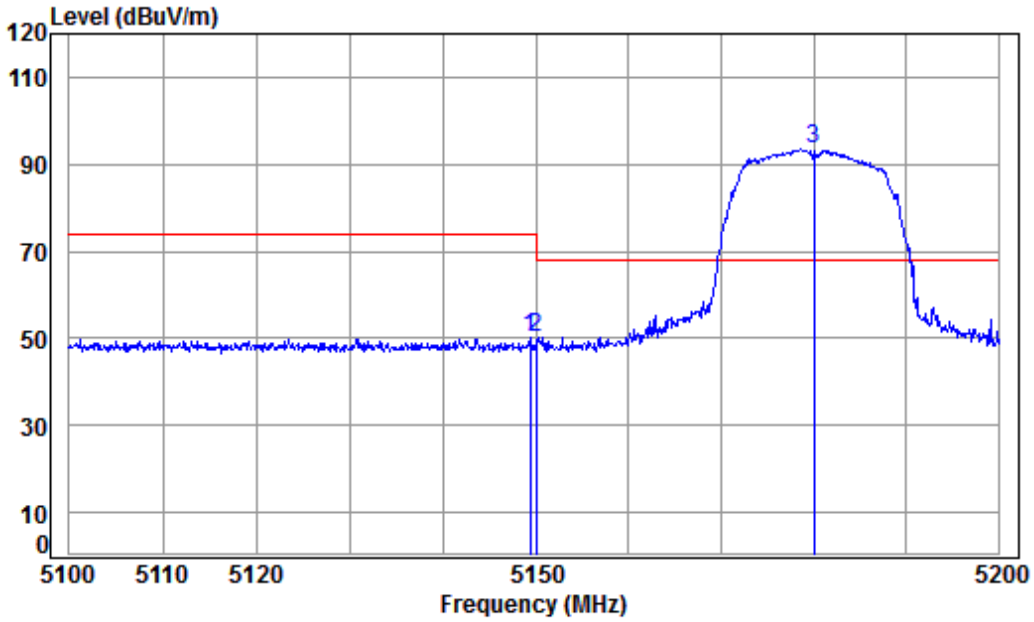
Test Setup:



Test Procedure:	a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel g. Test the EUT in the outermost channels. h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete.
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCS0 of rate is the worst case of 802.11ac(HT20); MCS0 of rate is the worst case of 802.11ac(HT40); MCS0 of rate is the worst case of 802.11ac(HT80), Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

Test plot as follows:

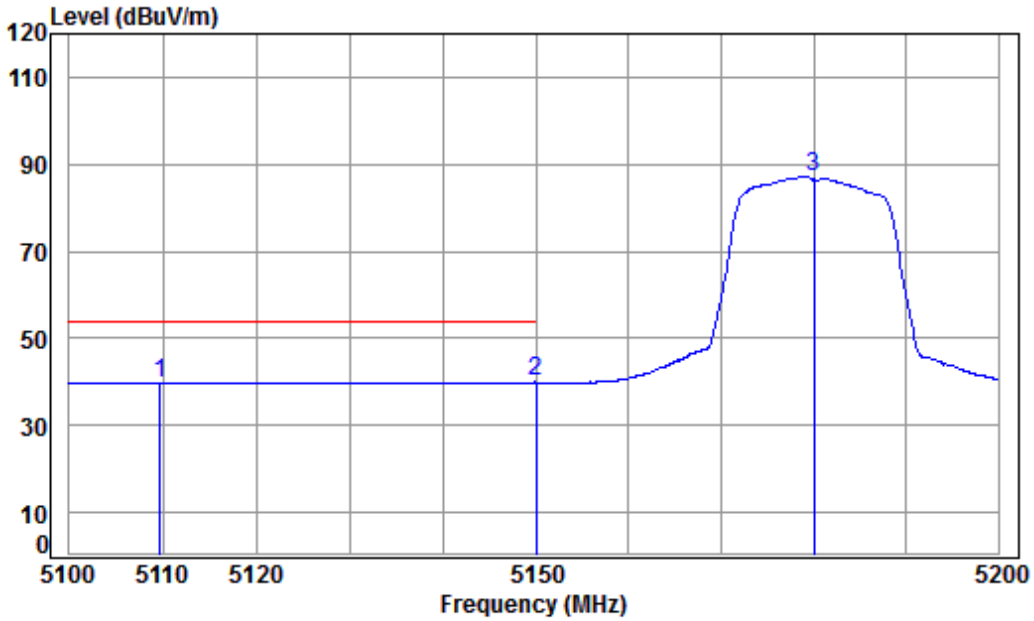
Test mode:	802.11a	Frequency(MHz):	5180	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.357	8.32	34.47	42.36	49.70	50.13	74.00	-23.87	Peak
2	5149.980	8.33	34.47	42.36	49.71	50.15	74.00	-23.85	Peak
3 pp	5180.000	8.37	34.46	42.33	93.10	93.60	68.20	25.40	Peak

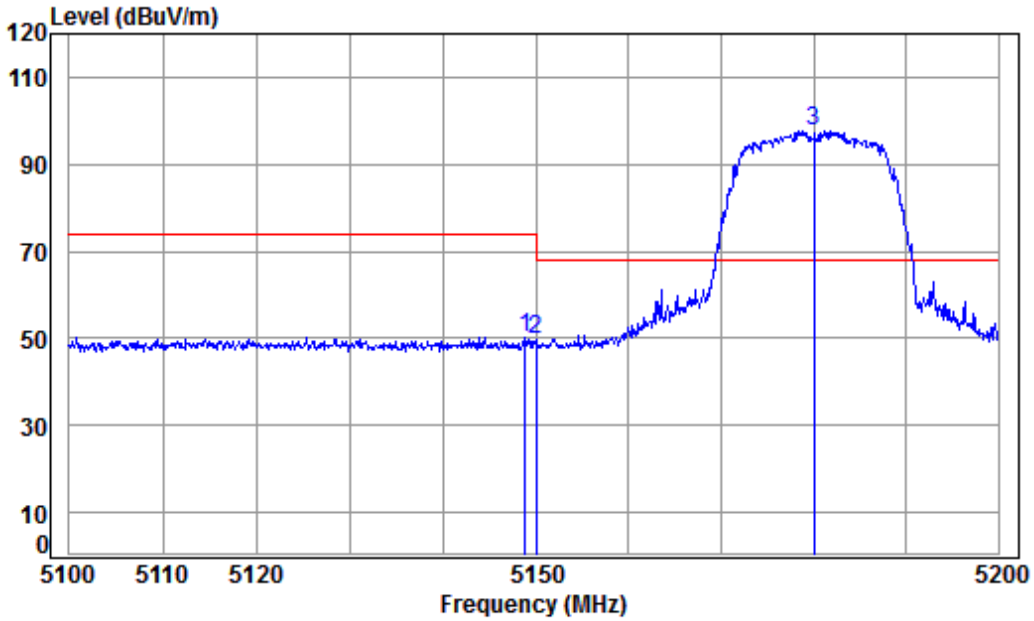
Test mode:	802.11a	Frequency(MHz):	5180	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5109.714	8.26	34.48	42.39	39.54	39.89	54.00	-14.11	Average
2 pp	5149.980	8.33	34.47	42.36	39.55	39.99	54.00	-14.01	Average
3	5180.000	8.37	34.46	42.33	86.77	87.27	------	------	Average

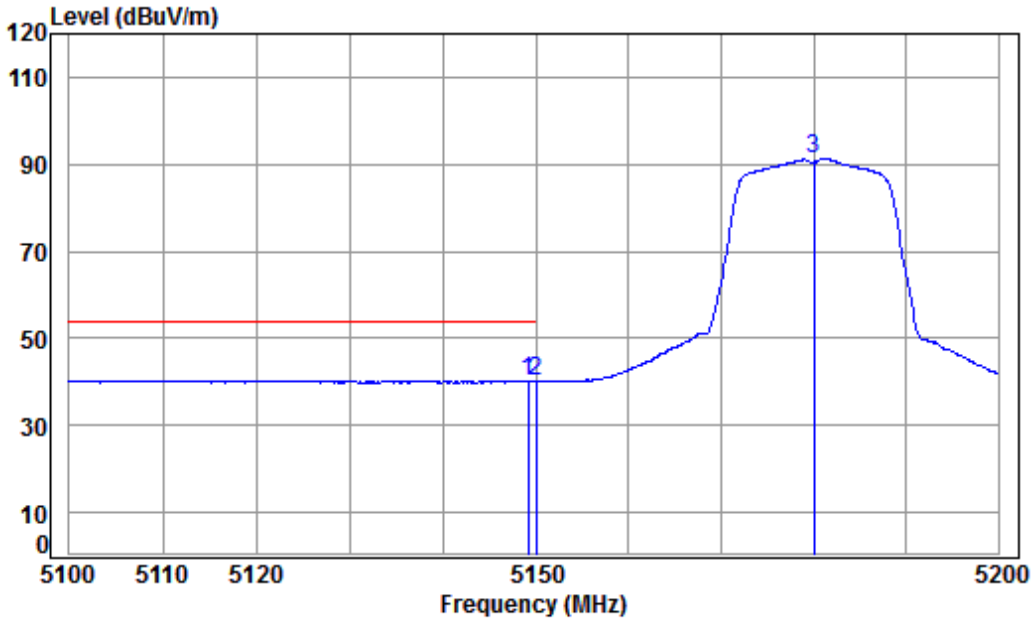
Test mode:	802.11a	Frequency(MHz):	5180	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.857	8.32	34.47	42.36	49.98	50.41	74.00	-23.59	peak
2	5149.980	8.33	34.47	42.36	49.49	49.93	74.00	-24.07	peak
3 pp	5180.000	8.37	34.46	42.33	97.19	97.69	68.20	29.49	peak

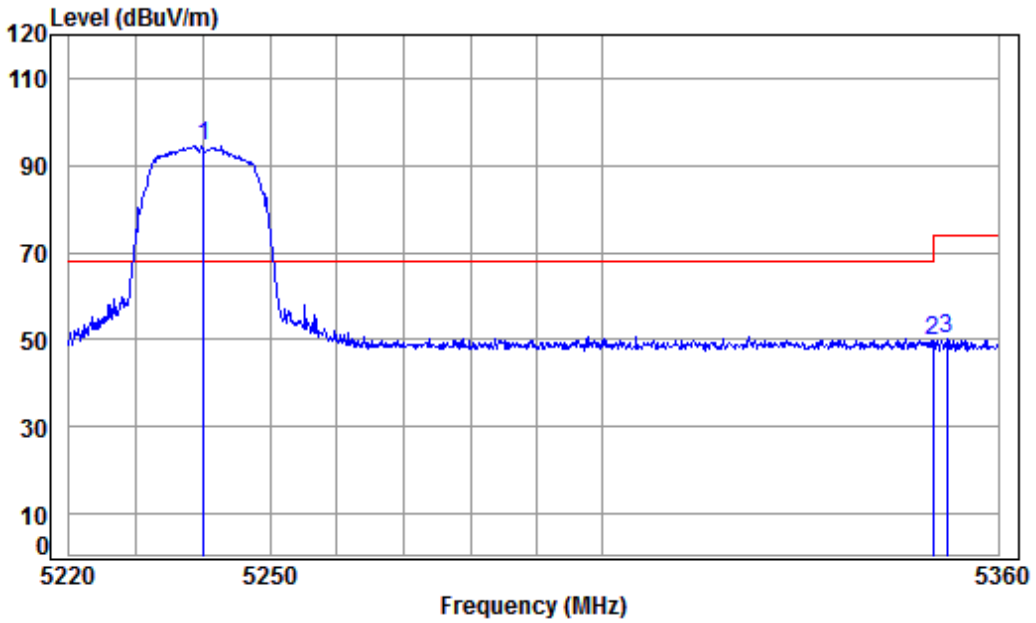
Test mode:	802.11a	Frequency(MHz):	5180	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.157	8.32	34.47	42.36	39.81	40.24	54.00	-13.76	Average
2 pp	5149.980	8.33	34.47	42.36	39.82	40.26	54.00	-13.74	Average
3	5180.000	8.37	34.46	42.33	90.81	91.31	------	------	Average

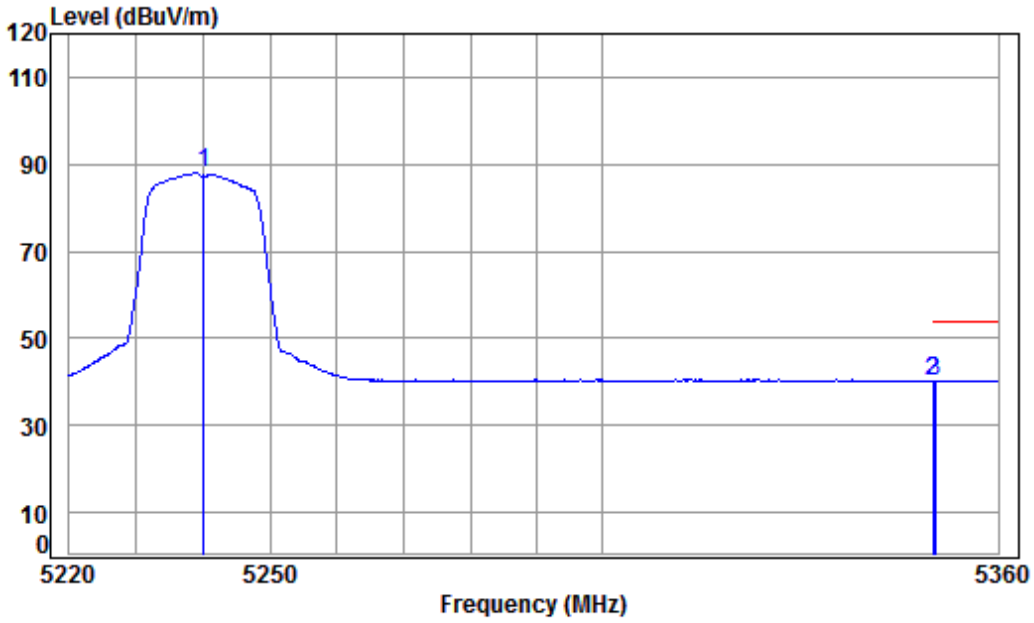
Test mode:	802.11a	Frequency(MHz):	5240	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5240.000	8.46	34.45	42.27	93.88	94.52	68.20	26.32	Peak
2	5350.020	8.63	34.43	42.17	48.79	49.68	74.00	-24.32	Peak
3	5352.203	8.63	34.43	42.17	49.53	50.42	74.00	-23.58	Peak

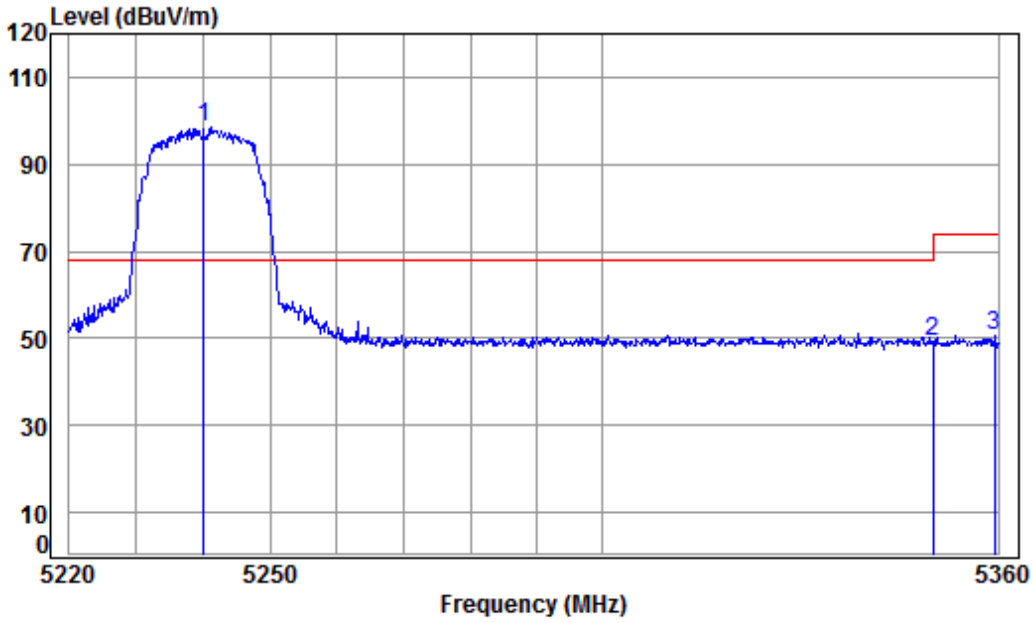
Test mode:	802.11a	Frequency(MHz):	5240	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.45	42.27	87.30	87.94	------	------	Average
2	5350.020	8.63	34.43	42.17	39.33	40.22	54.00	-13.78	Average
3 pp	5350.362	8.63	34.43	42.17	39.38	40.27	54.00	-13.73	Average

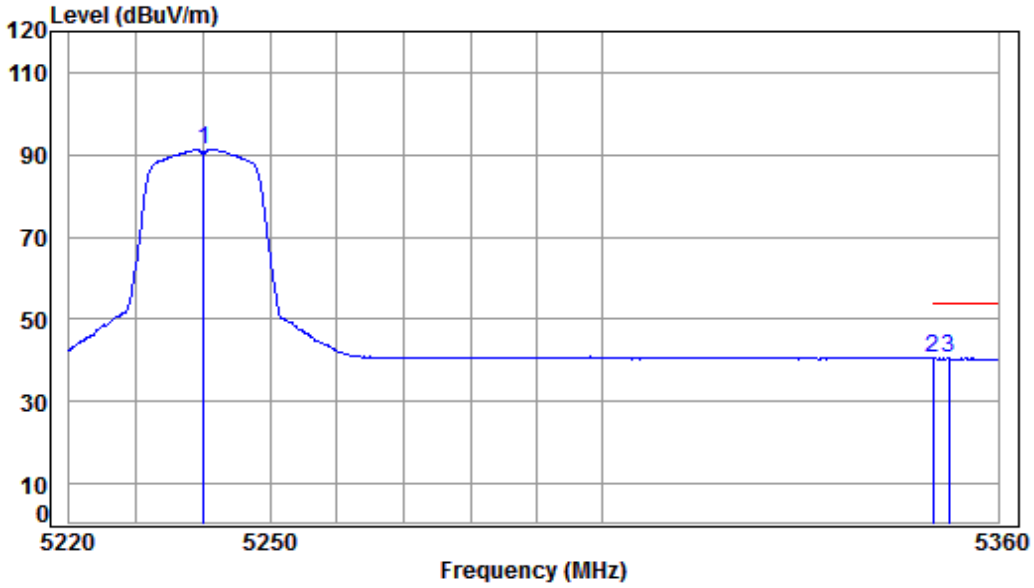
Test mode:	802.11a	Frequency(MHz):	5240	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5240.000	8.46	34.45	42.27	97.72	98.36	68.20	30.16	peak
2	5350.020	8.63	34.43	42.17	48.33	49.22	74.00	-24.78	peak
3	5359.433	8.64	34.43	42.16	49.55	50.46	74.00	-23.54	peak

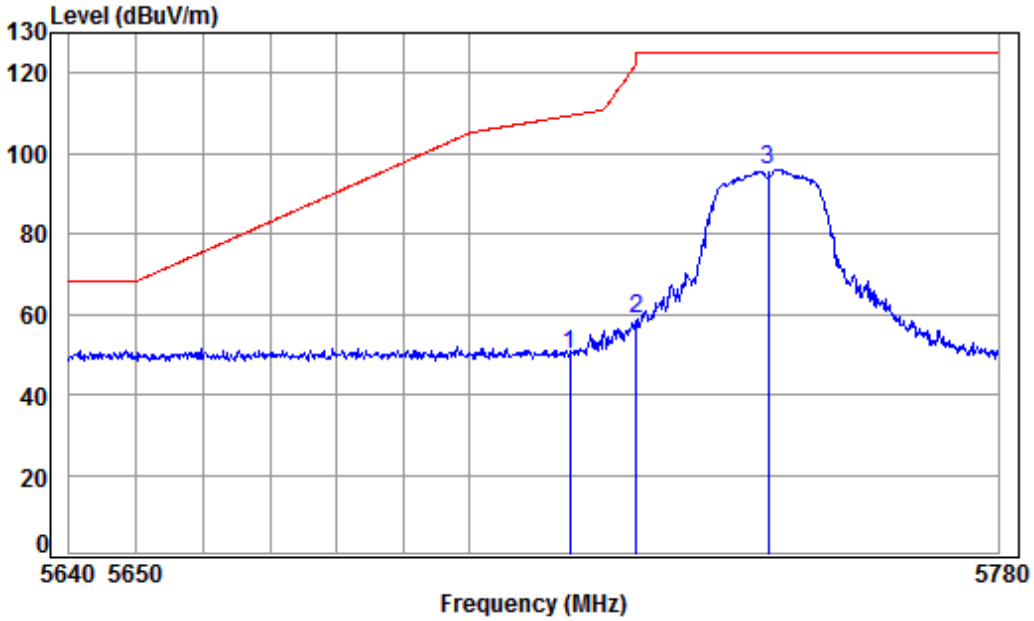
Test mode:	802.11a	Frequency(MHz):	5240	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.45	42.27	90.77	91.41	------	------	Average
2	5350.020	8.63	34.43	42.17	39.59	40.48	54.00	-13.52	Average
3 pp	5352.487	8.63	34.43	42.17	39.60	40.49	54.00	-13.51	Average

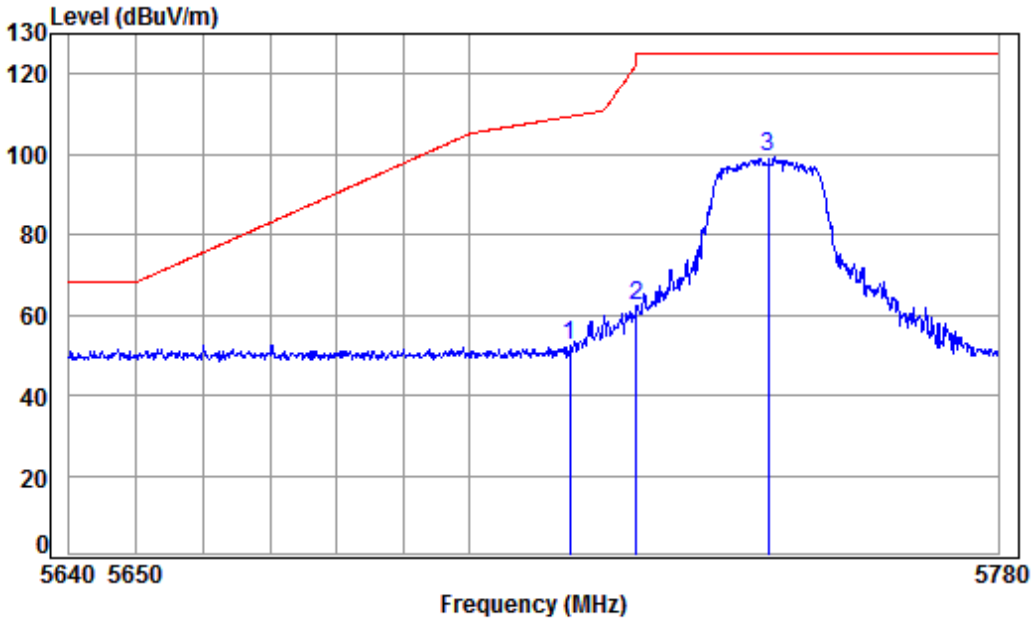
Test mode:	802.11a	Frequency(MHz):	5745	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5745 Band edge
: 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.53	41.85	47.65	49.94	109.40	-59.46	peak
2	5725.000	9.64	34.54	41.84	56.50	58.84	122.20	-63.36	peak
3 pp	5745.000	9.71	34.55	41.82	93.46	95.90	125.20	-29.30	peak

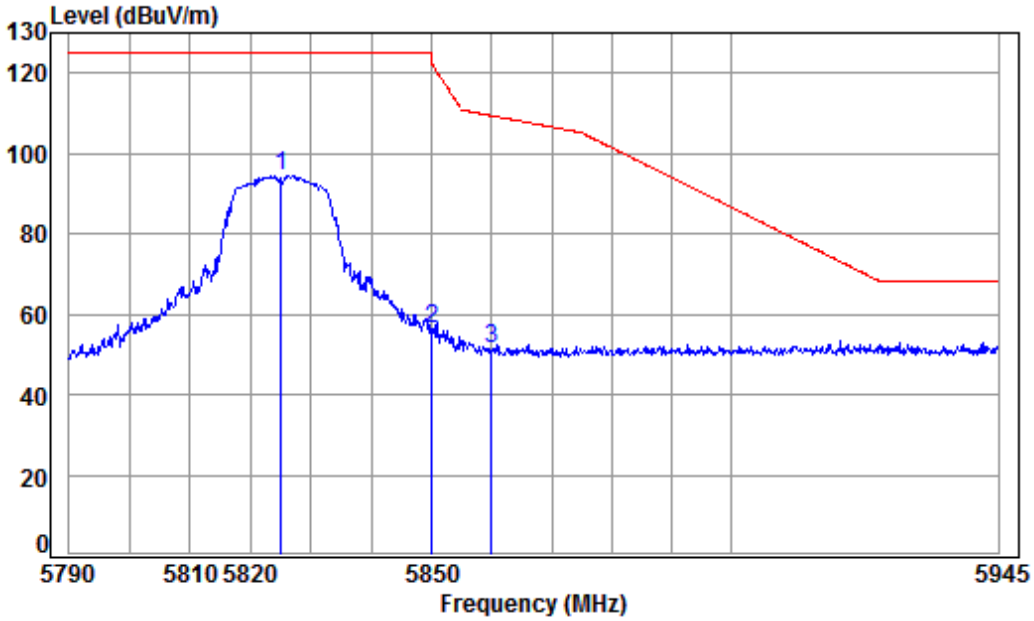
Test mode:	802.11a	Frequency(MHz):	5745	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5745 Band edge
: 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.53	41.85	50.03	52.32	109.40	-57.08	peak
2	5725.000	9.64	34.54	41.84	60.16	62.50	122.20	-59.70	peak
3 pp	5745.000	9.71	34.55	41.82	96.72	99.16	125.20	-26.04	peak

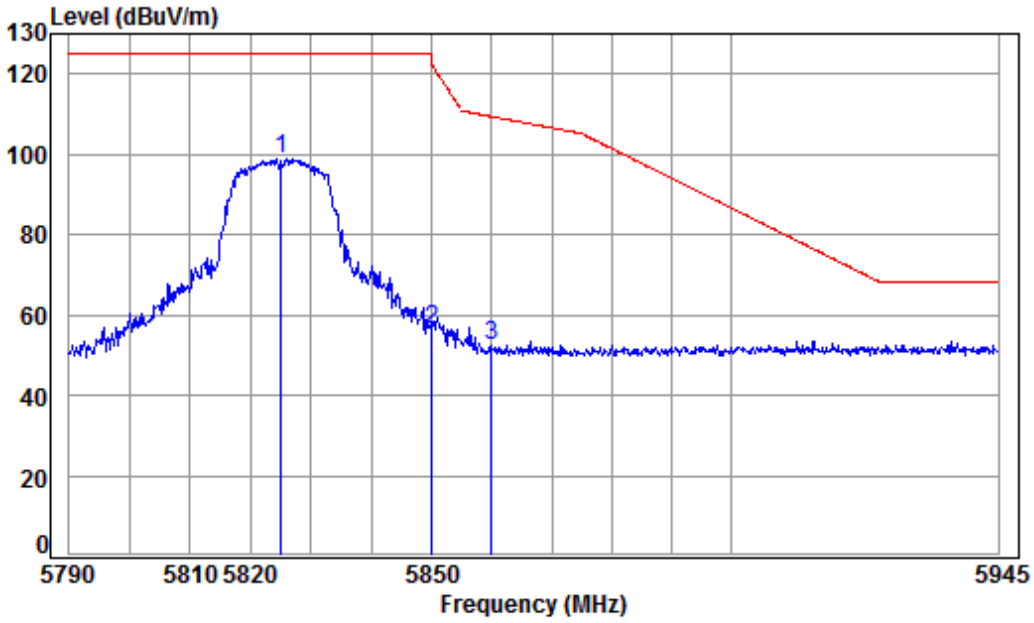
Test mode:	802.11a	Frequency(MHz):	5825	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5825 Band edge
: 5G WiFi 11A

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5825.000	9.98	34.60	41.75	91.80	94.63	125.20	-30.57	peak
2		5850.000	10.07	34.61	41.73	53.25	56.20	122.20	-66.00	peak
3		5860.000	10.10	34.62	41.72	48.53	51.53	109.40	-57.87	peak

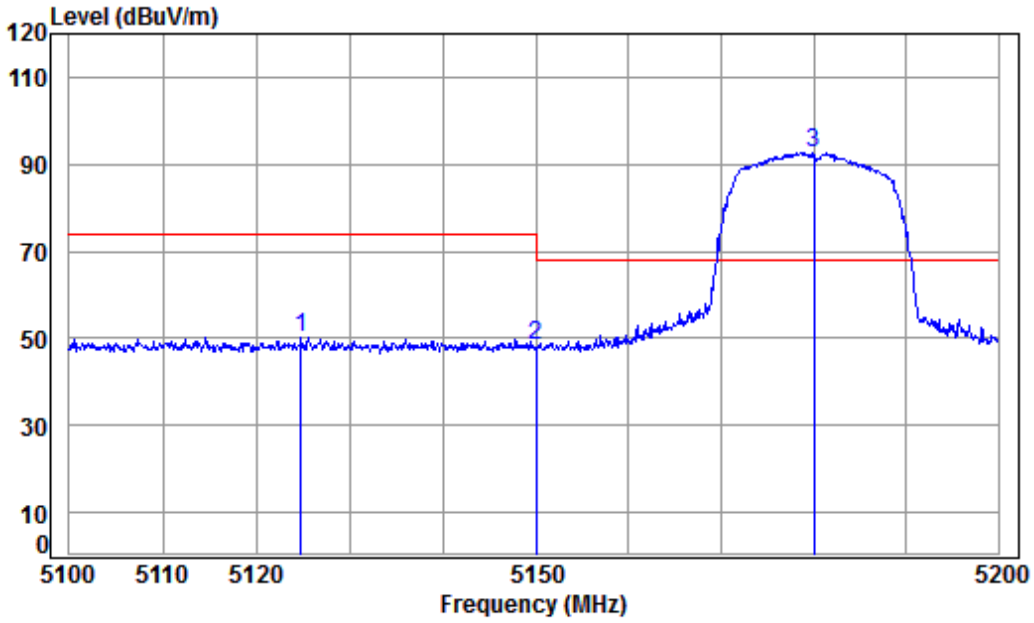
Test mode:	802.11a	Frequency(MHz):	5825	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5825 Band edge
: 5G WiFi 11A

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5825.000	9.98	34.60	41.75	96.05	98.88	125.20	-26.32	peak
2		5850.000	10.07	34.61	41.73	53.59	56.54	122.20	-65.66	peak
3		5860.000	10.10	34.62	41.72	49.45	52.45	109.40	-56.95	peak

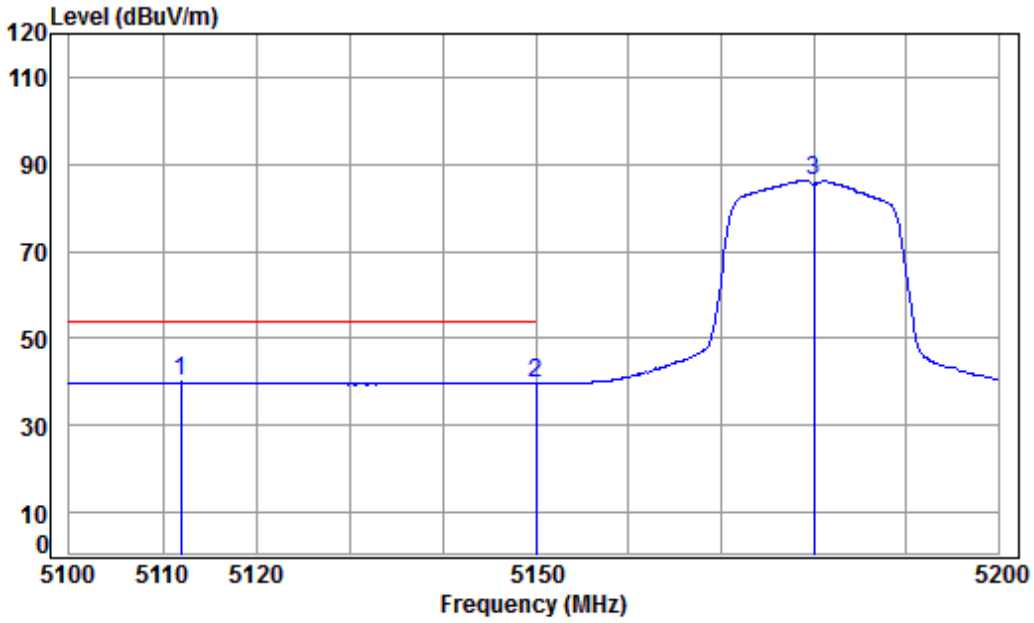
Test mode:	802.11n(HT20)	Frequency(MHz):	5180	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5124.818	8.29	34.47	42.38	50.03	50.41	74.00	-23.59	Peak
2	5149.980	8.33	34.47	42.36	48.01	48.45	74.00	-25.55	Peak
3 pp	5180.000	8.37	34.46	42.33	92.20	92.70	68.20	24.50	Peak

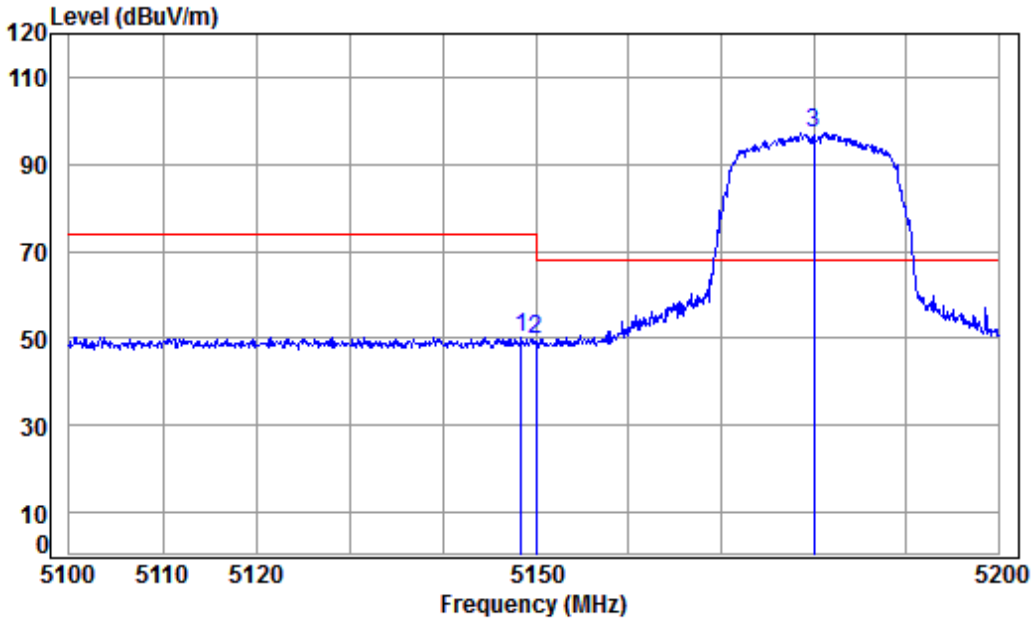
Test mode:	802.11n(HT20)	Frequency(MHz):	5180	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5111.898	8.27	34.48	42.39	39.61	39.97	54.00	-14.03	Average
2	5149.980	8.33	34.47	42.36	39.35	39.79	54.00	-14.21	Average
3	5180.000	8.37	34.46	42.33	85.81	86.31	------	------	Average

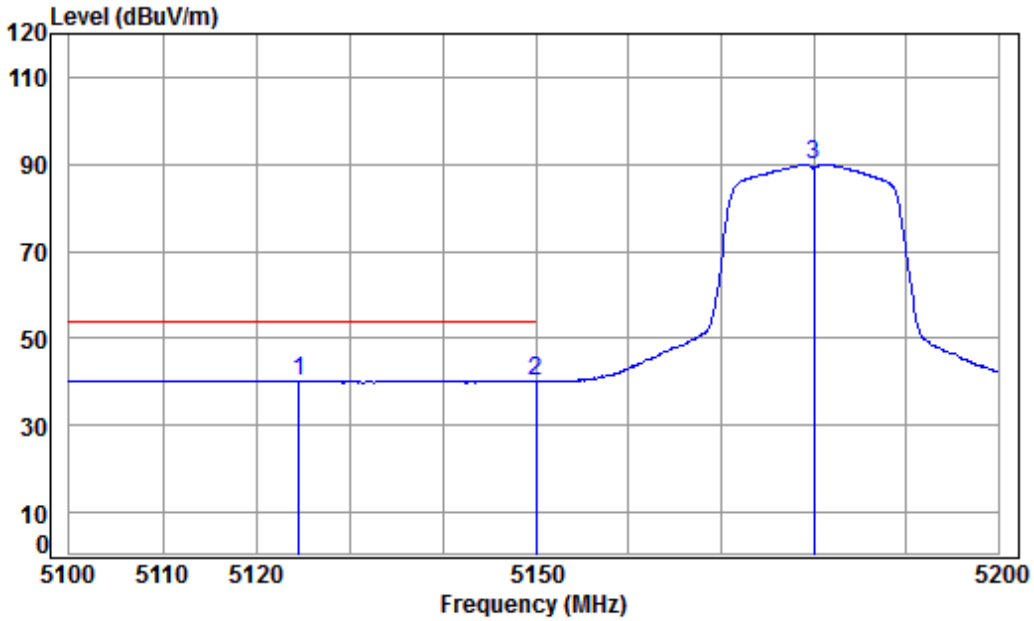
Test mode:	802.11n(HT20)	Frequency(MHz):	5180	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.458	8.32	34.47	42.36	49.83	50.26	74.00	-23.74	peak
2	5149.980	8.33	34.47	42.36	49.40	49.84	74.00	-24.16	peak
3 pp	5180.000	8.37	34.46	42.33	96.67	97.17	68.20	28.97	peak

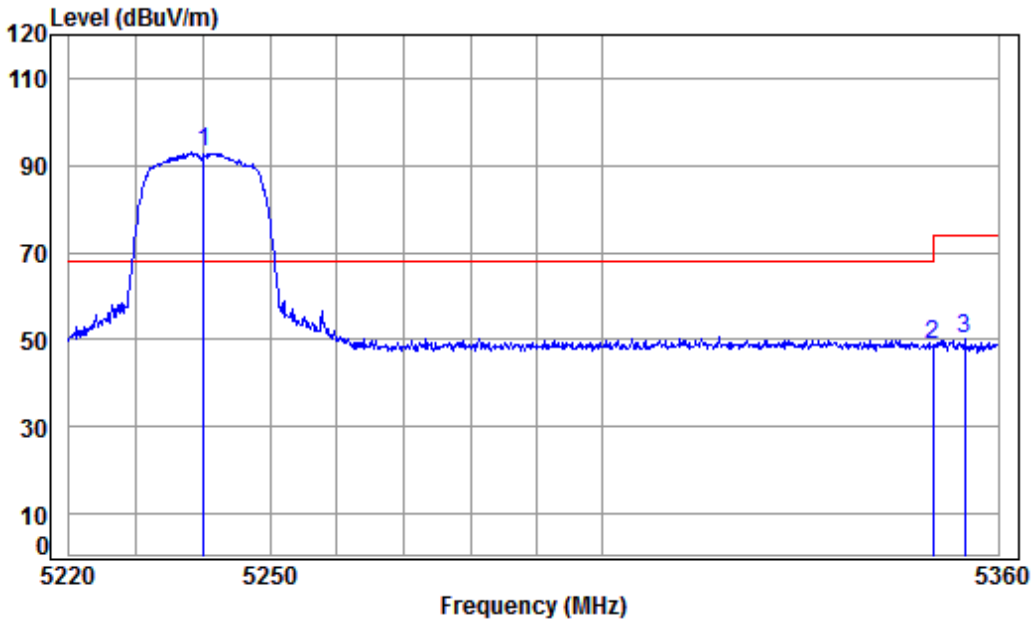
Test mode:	802.11n(HT20)	Frequency(MHz):	5180	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5124.619	8.29	34.47	42.38	39.88	40.26	54.00	-13.74	Average
2 pp	5149.980	8.33	34.47	42.36	39.88	40.32	54.00	-13.68	Average
3	5180.000	8.37	34.46	42.33	89.57	90.07	------	------	Average

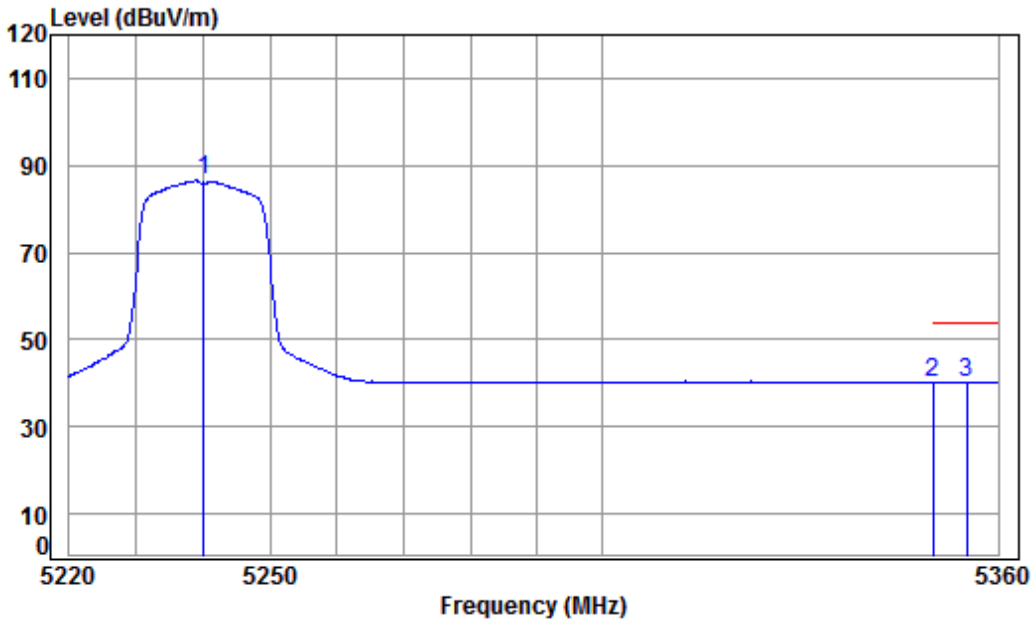
Test mode:	802.11n(HT20)	Frequency(MHz):	5240	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5240.000	8.46	34.45	42.27	92.55	93.19	68.20	24.99	Peak
2	5350.020	8.63	34.43	42.17	48.03	48.92	74.00	-25.08	Peak
3	5354.896	8.64	34.43	42.16	49.14	50.05	74.00	-23.95	Peak

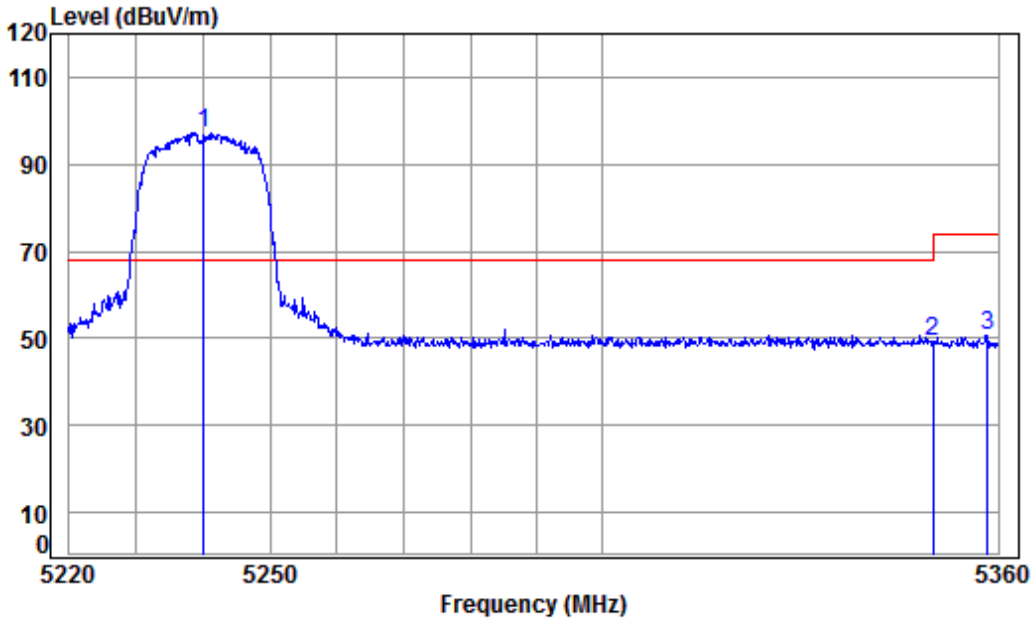
Test mode:	802.11n(HT20)	Frequency(MHz):	5240	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.45	42.27	85.87	86.51	------	------	Average
2	5350.020	8.63	34.43	42.17	39.28	40.17	54.00	-13.83	Average
3 pp	5355.179	8.64	34.43	42.16	39.26	40.17	54.00	-13.83	Average

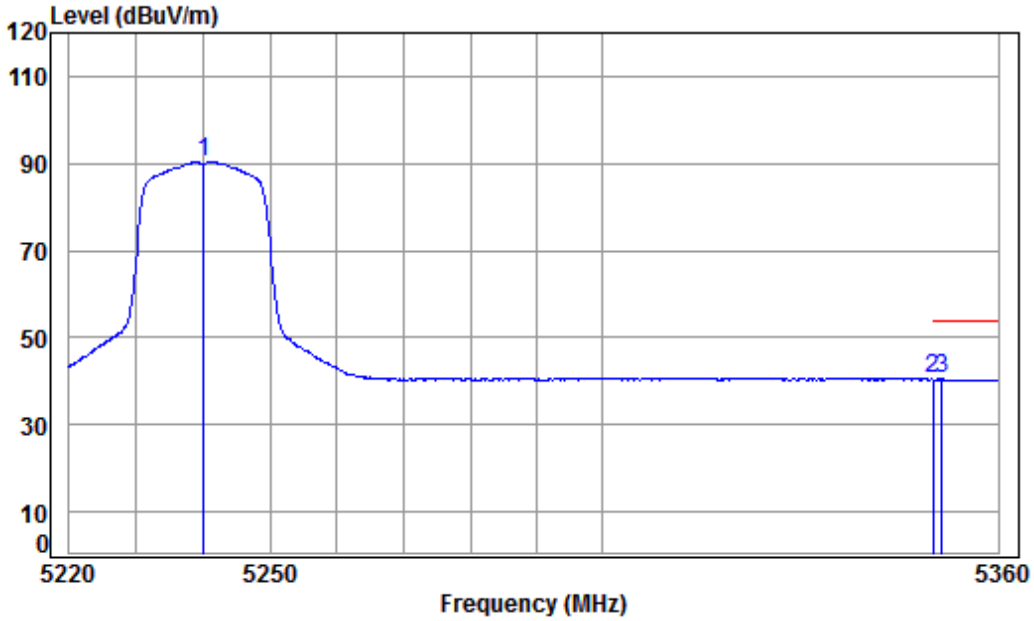
Test mode:	802.11n(HT20)	Frequency(MHz):	5240	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5240.000	8.46	34.45	42.27	96.47	97.11	68.20	28.91	peak
2	5350.020	8.63	34.43	42.17	48.51	49.40	74.00	-24.60	peak
3	5358.440	8.64	34.43	42.16	49.90	50.81	74.00	-23.19	peak

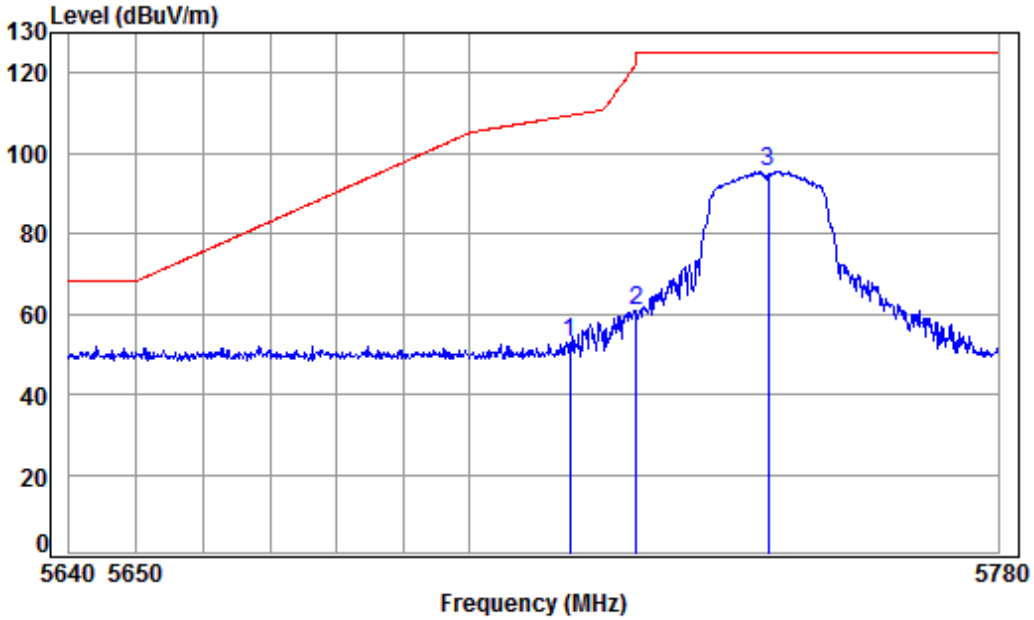
Test mode:	802.11n(HT20)	Frequency(MHz):	5240	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.45	42.27	89.88	90.52	------	------	Average
2	5350.020	8.63	34.43	42.17	39.51	40.40	54.00	-13.60	Average
3 pp	5351.354	8.63	34.43	42.17	39.62	40.51	54.00	-13.49	Average

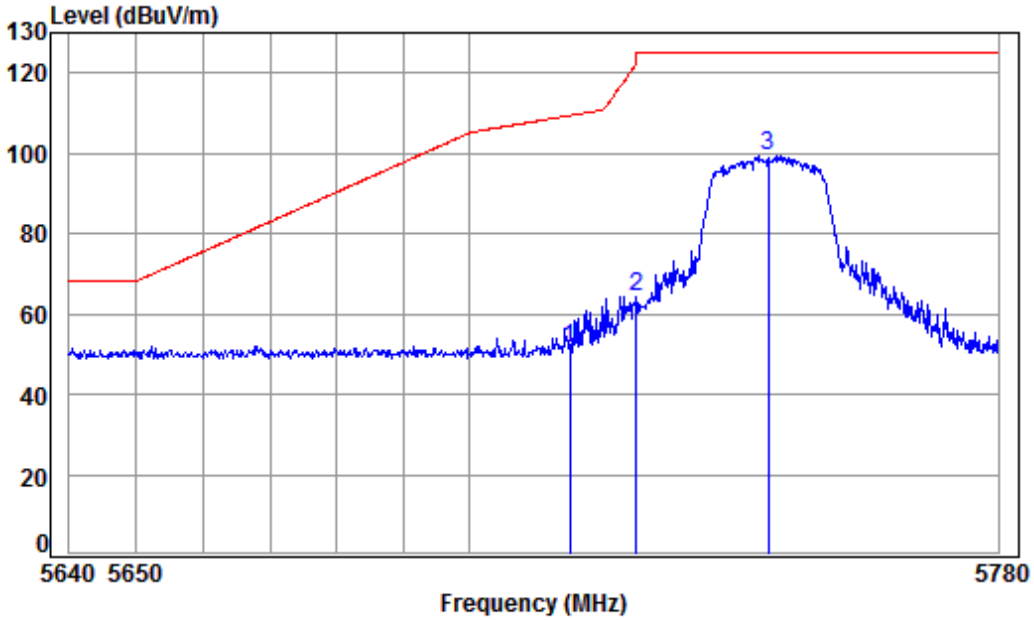
Test mode:	802.11n(HT20)	Frequency(MHz):	5745	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5745 Band edge
: 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.53	41.85	50.42	52.71	109.40	-56.69	peak
2	5725.000	9.64	34.54	41.84	58.48	60.82	122.20	-61.38	peak
3 pp	5745.000	9.71	34.55	41.82	92.99	95.43	125.20	-29.77	peak

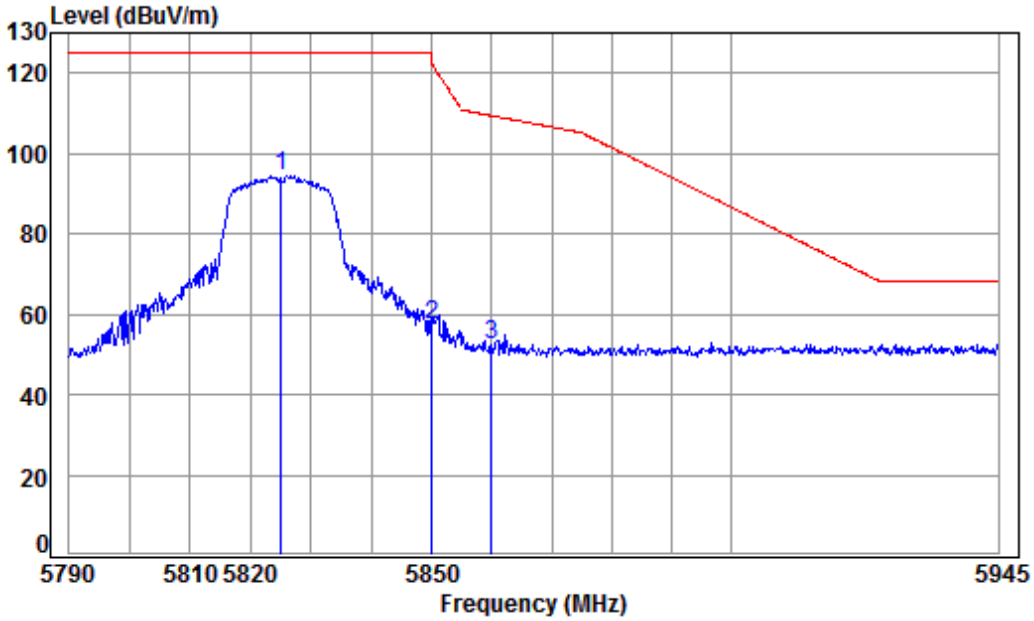
Test mode:	802.11n(HT20)	Frequency(MHz):	5745	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5745 Band edge
: 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.53	41.85	49.34	51.63	109.40	-57.77	peak
2	5725.000	9.64	34.54	41.84	61.81	64.15	122.20	-58.05	peak
3 pp	5745.000	9.71	34.55	41.82	97.06	99.50	125.20	-25.70	peak

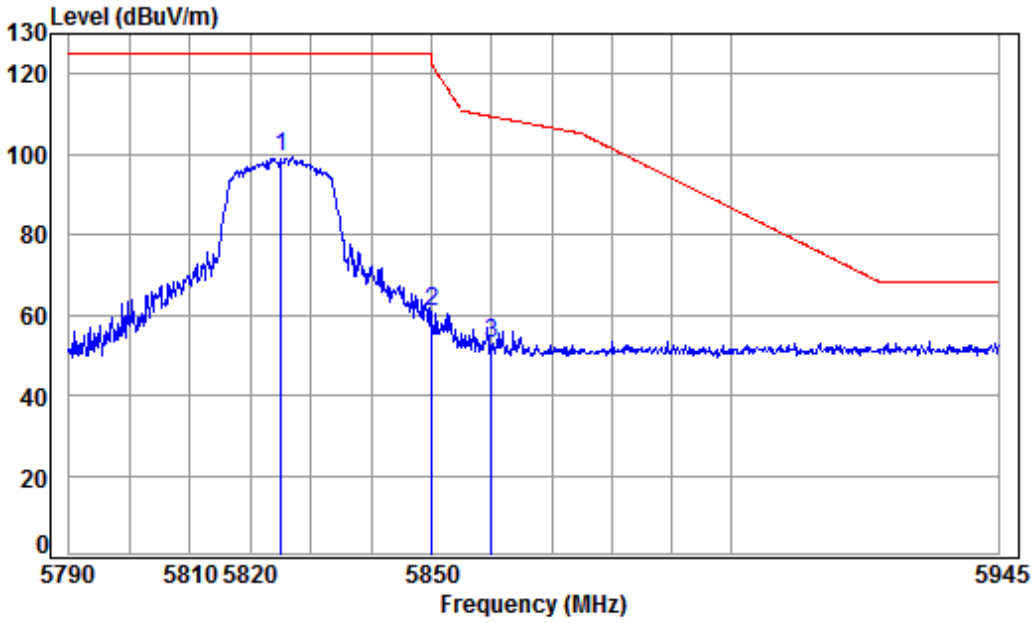
Test mode:	802.11n(HT20)	Frequency(MHz):	5825	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5825 Band edge
: 5G WiFi 11N 20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5825.000	9.98	34.60	41.75	91.70	94.53	125.20	-30.67	peak
2		5850.000	10.07	34.61	41.73	54.62	57.57	122.20	-64.63	peak
3		5860.000	10.10	34.62	41.72	49.38	52.38	109.40	-57.02	peak

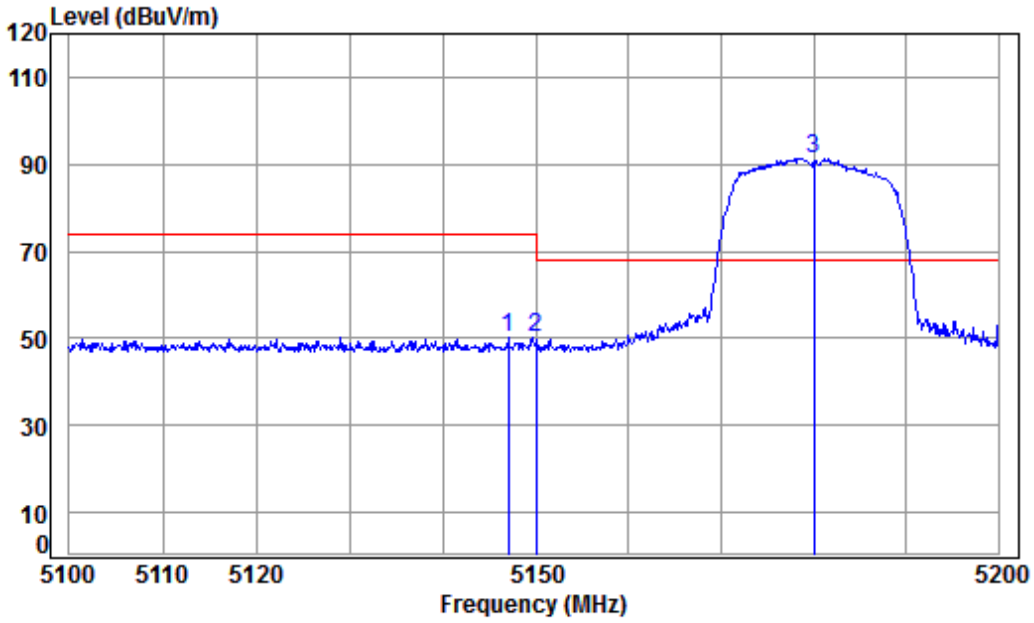
Test mode:	802.11n(HT20)	Frequency(MHz):	5825	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5825 Band edge
: 5G WiFi 11N 20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5825.000	9.98	34.60	41.75	96.36	99.19	125.20	-26.01	peak
2		5850.000	10.07	34.61	41.73	57.70	60.65	122.20	-61.55	peak
3		5860.000	10.10	34.62	41.72	49.88	52.88	109.40	-56.52	peak

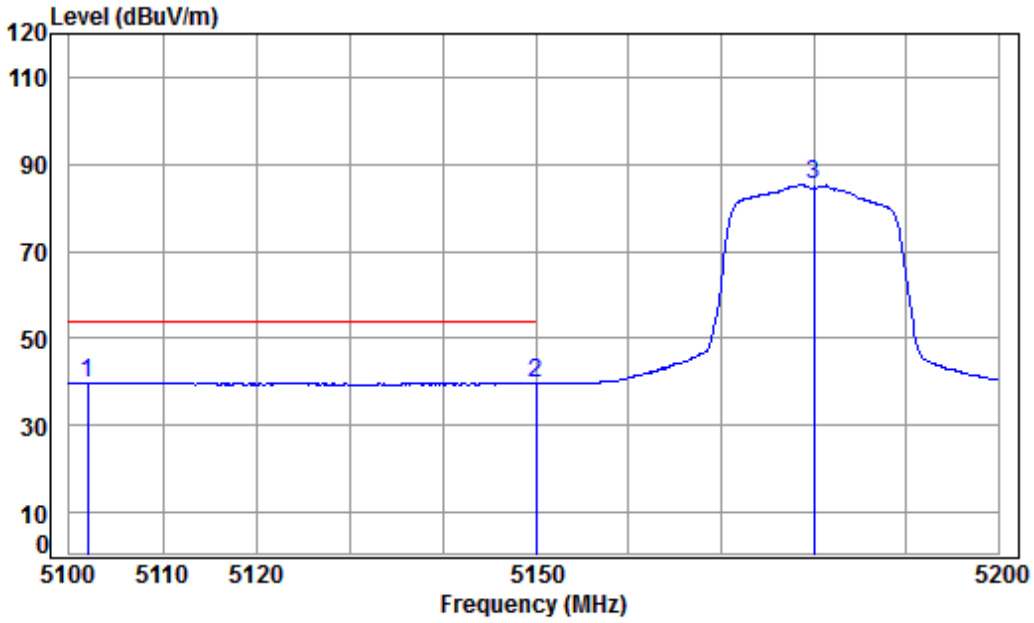
Test mode:	802.11ac(HT20)	Frequency(MHz):	5180	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.058	8.32	34.47	42.36	49.68	50.11	74.00	-23.89	Peak
2	5149.980	8.33	34.47	42.36	49.57	50.01	74.00	-23.99	Peak
3 pp	5180.000	8.37	34.46	42.33	90.98	91.48	68.20	23.28	Peak

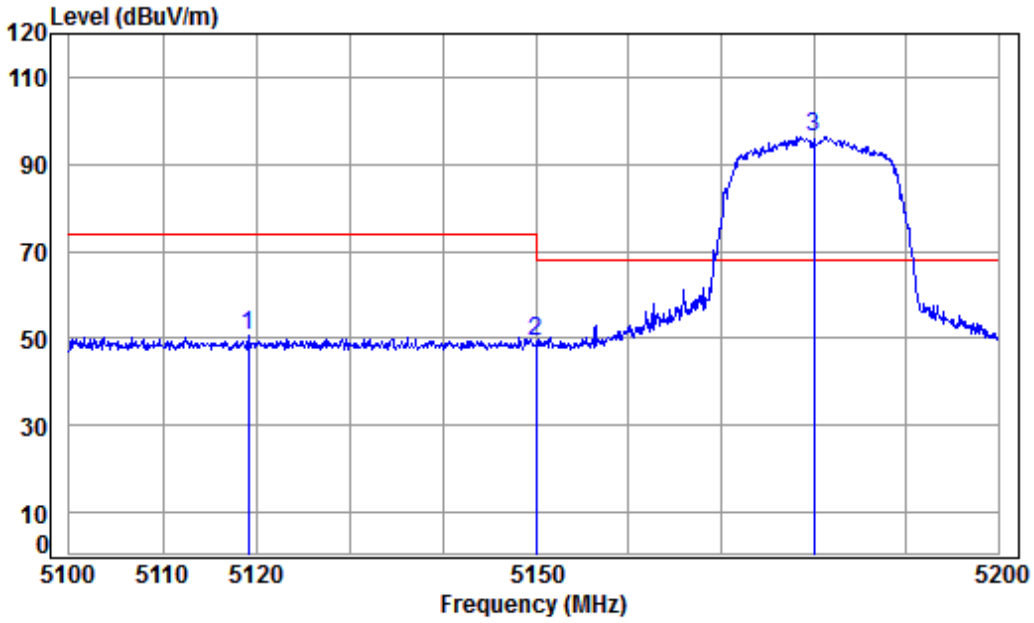
Test mode:	802.11ac(HT20)	Frequency(MHz):	5180	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5101.981	8.25	34.48	42.40	39.41	39.74	54.00	-14.26	Average
2	5149.980	8.33	34.47	42.36	39.21	39.65	54.00	-14.35	Average
3	5180.000	8.37	34.46	42.33	84.83	85.33	------	------	Average

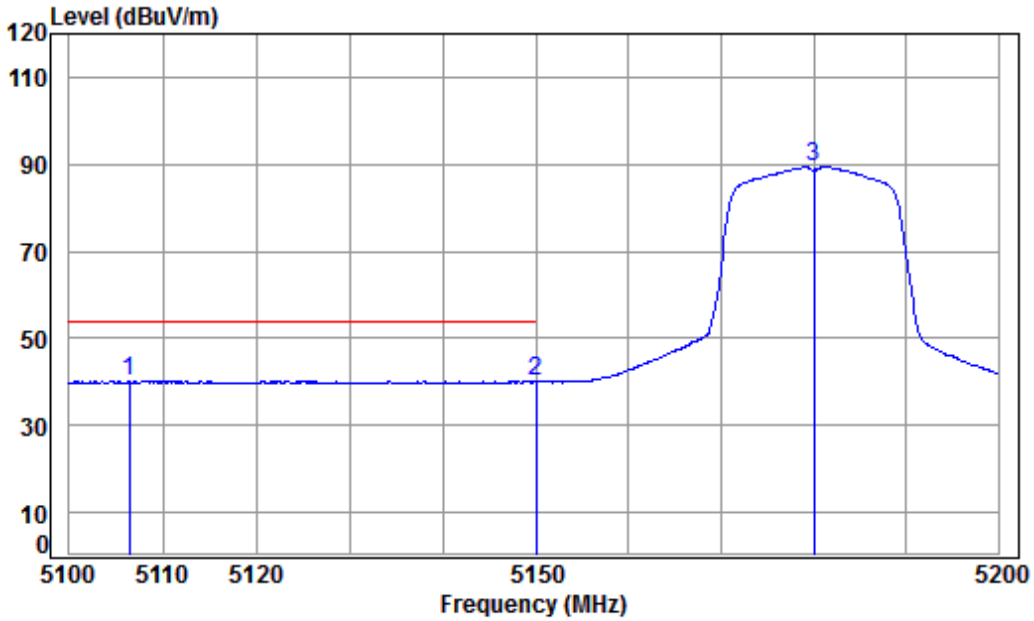
Test mode:	802.11ac(HT20)	Frequency(MHz):	5180	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5119.149	8.28	34.48	42.38	50.47	50.85	74.00	-23.15	peak
2	5149.980	8.33	34.47	42.36	48.73	49.17	74.00	-24.83	peak
3 pp	5180.000	8.37	34.46	42.33	95.69	96.19	68.20	27.99	peak

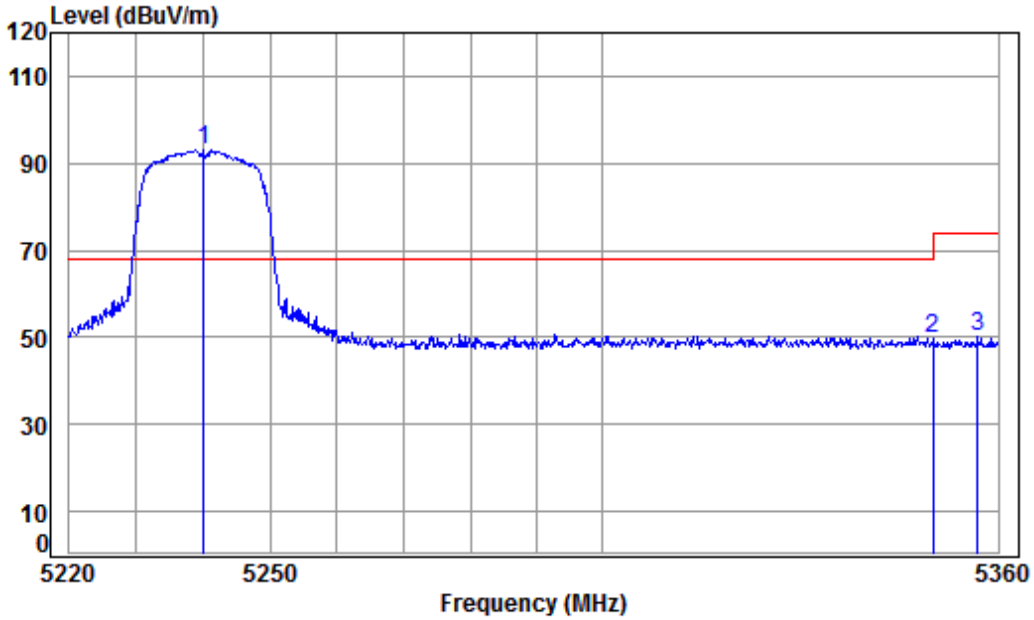
Test mode:	802.11ac(HT20)	Frequency(MHz):	5180	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5180 Band edge
: 5G WiFi 11AC 20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5106.441	8.26	34.48	42.40	39.79	40.13	54.00	-13.87	Average
2		5149.980	8.33	34.47	42.36	39.60	40.04	54.00	-13.96	Average
3		5180.000	8.37	34.46	42.33	88.97	89.47	------	------	Average

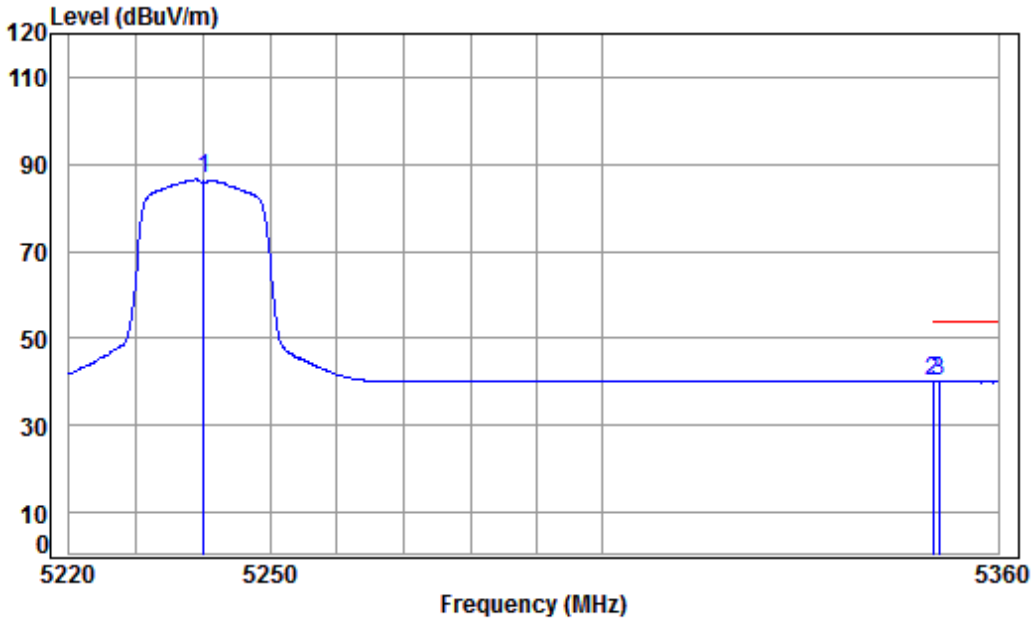
Test mode:	802.11ac(HT20)	Frequency(MHz):	5240	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5240.000	8.46	34.45	42.27	92.33	92.97	68.20	24.77	Peak
2	5350.020	8.63	34.43	42.17	48.98	49.87	74.00	-24.13	Peak
3	5356.880	8.64	34.43	42.16	49.18	50.09	74.00	-23.91	Peak

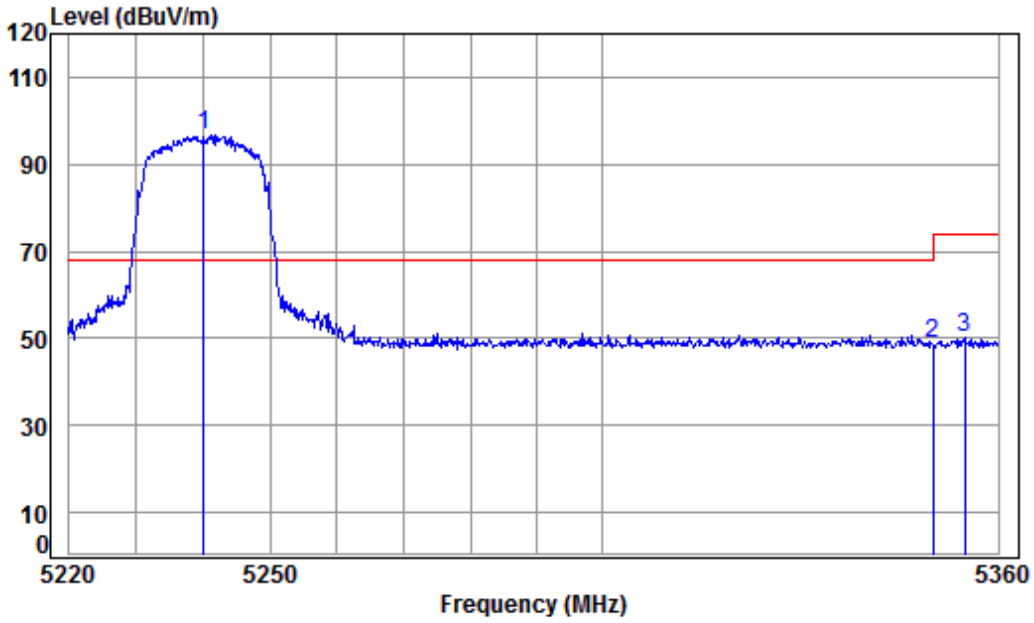
Test mode:	802.11ac(HT20)	Frequency(MHz):	5240	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.45	42.27	85.86	86.50	------	------	Average
2	5350.020	8.63	34.43	42.17	39.18	40.07	54.00	-13.93	Average
3 pp	5350.929	8.63	34.43	42.17	39.27	40.16	54.00	-13.84	Average

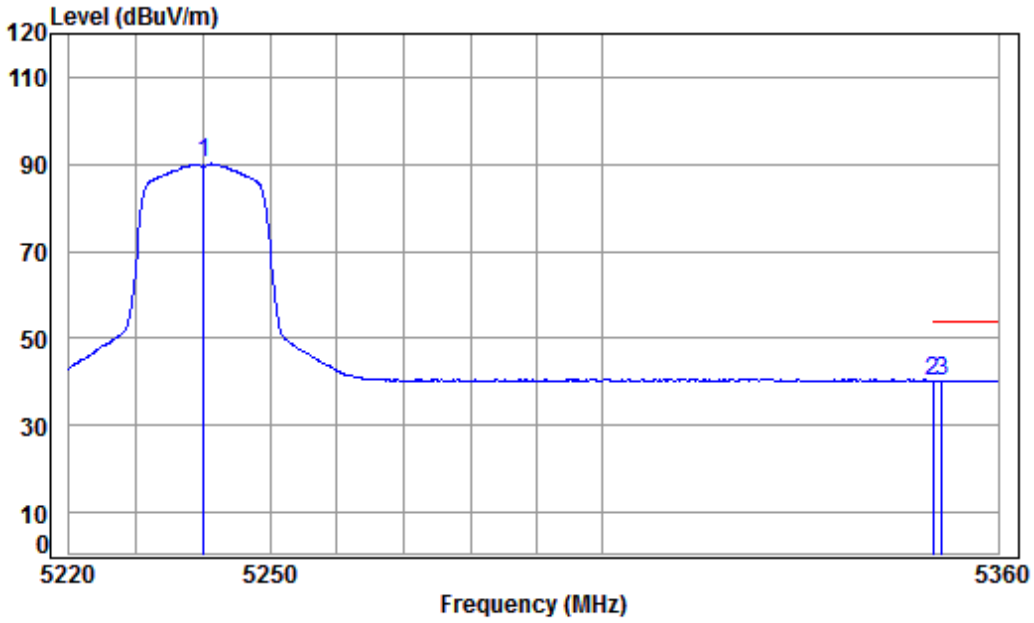
Test mode:	802.11ac(HT20)	Frequency(MHz):	5240	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5240.000	8.46	34.45	42.27	96.12	96.76	68.20	28.56	peak
2	5350.020	8.63	34.43	42.17	47.86	48.75	74.00	-25.25	peak
3	5354.896	8.64	34.43	42.16	49.11	50.02	74.00	-23.98	peak

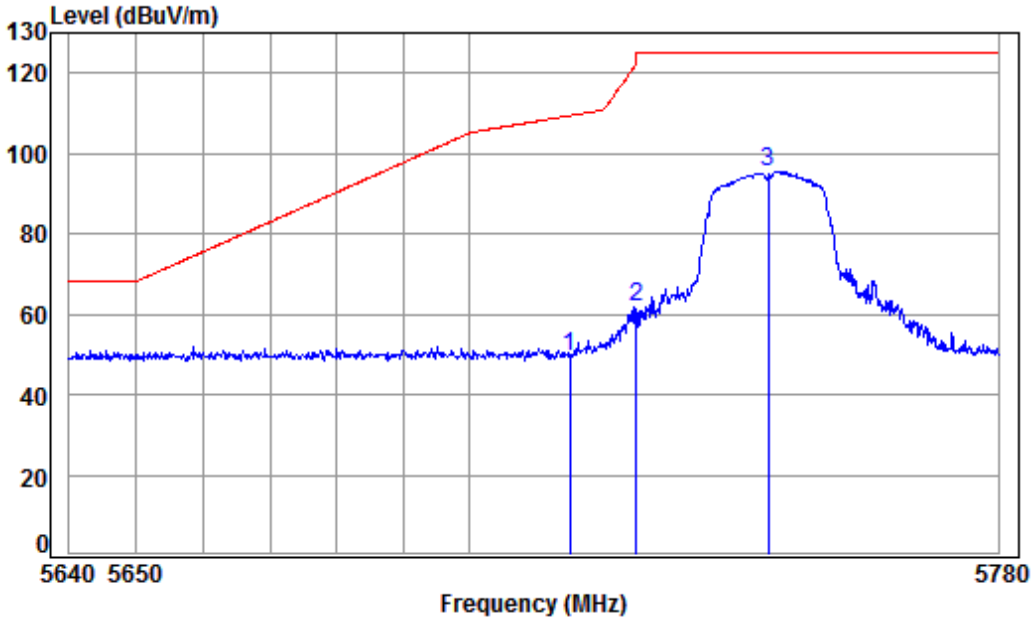
Test mode:	802.11ac(HT20)	Frequency(MHz):	5240	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5240 Band edge
: 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.45	42.27	89.49	90.13	------	------	Average
2	5350.020	8.63	34.43	42.17	39.37	40.26	54.00	-13.74	Average
3 pp	5351.354	8.63	34.43	42.17	39.40	40.29	54.00	-13.71	Average

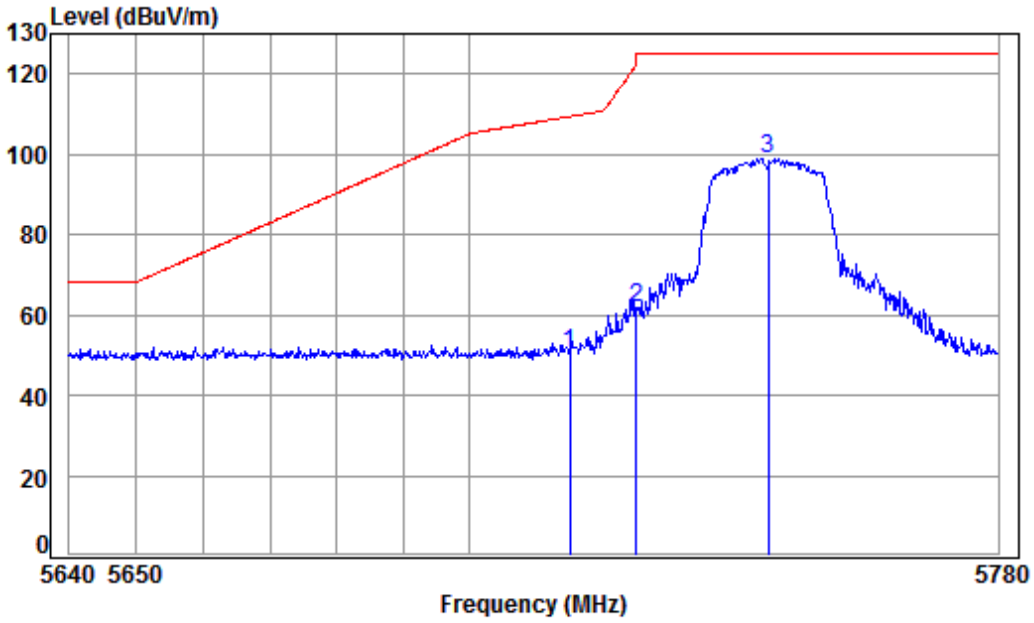
Test mode:	802.11ac(HT20)	Frequency(MHz):	5745	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5745 Band edge
: 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.53	41.85	47.14	49.43	109.40	-59.97	peak
2	5725.000	9.64	34.54	41.84	59.35	61.69	122.20	-60.51	peak
3 pp	5745.000	9.71	34.55	41.82	92.97	95.41	125.20	-29.79	peak

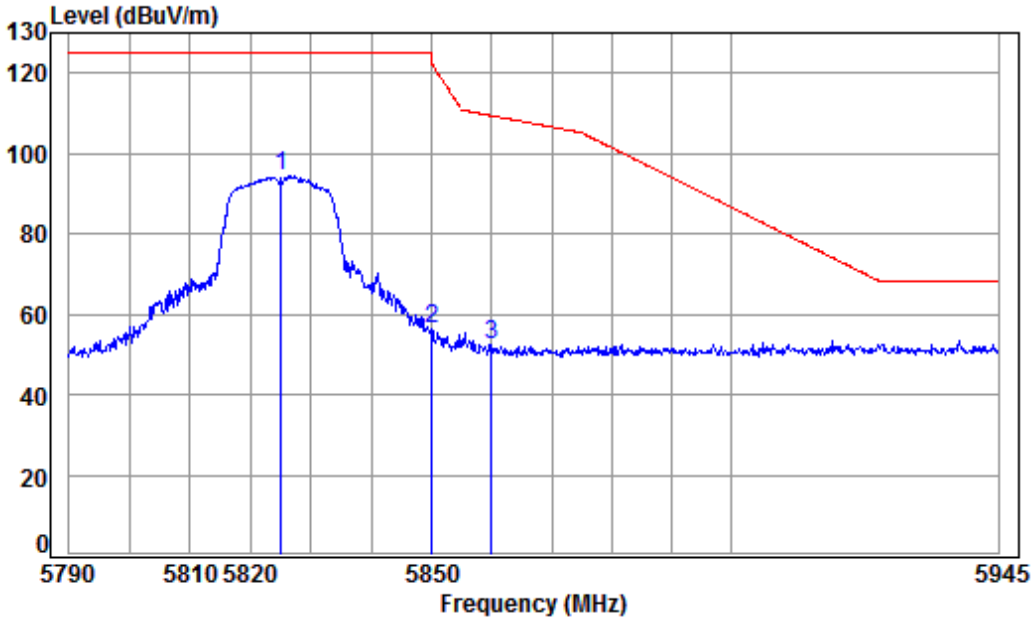
Test mode:	802.11ac(HT20)	Frequency(MHz):	5745	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5745 Band edge
: 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.53	41.85	48.23	50.52	109.40	-58.88	peak
2	5725.000	9.64	34.54	41.84	59.22	61.56	122.20	-60.64	peak
3 pp	5745.000	9.71	34.55	41.82	96.55	98.99	125.20	-26.21	peak

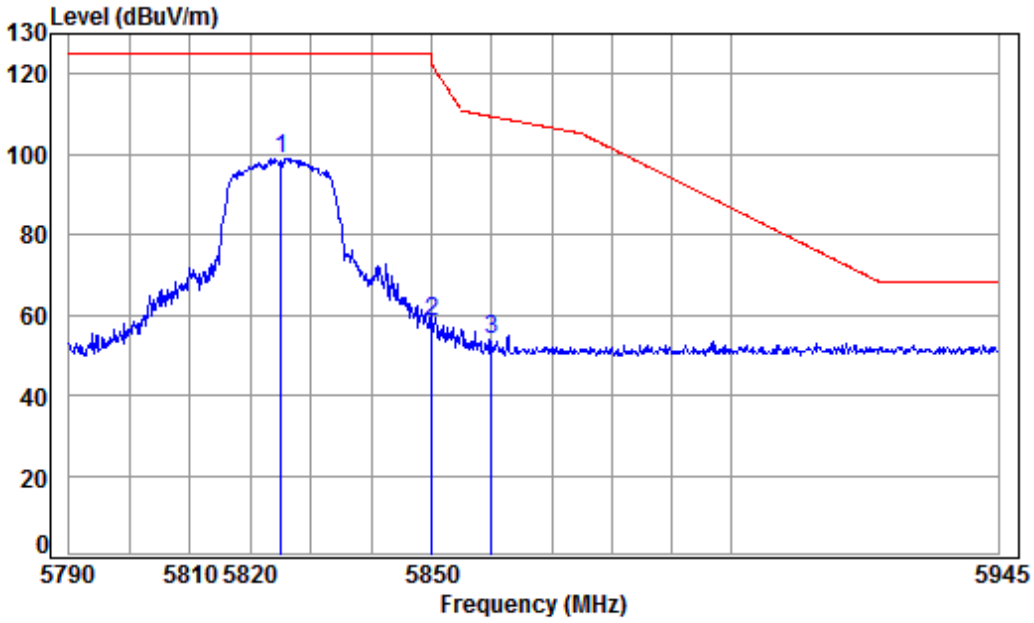
Test mode:	802.11ac(HT20)	Frequency(MHz):	5825	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5825 Band edge
: 5G WiFi 11AC 20

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5825.000	9.98	34.60	41.75	91.82	94.65	125.20	-30.55	peak
2		5850.000	10.07	34.61	41.73	53.52	56.47	122.20	-65.73	peak
3		5860.000	10.10	34.62	41.72	49.51	52.51	109.40	-56.89	peak

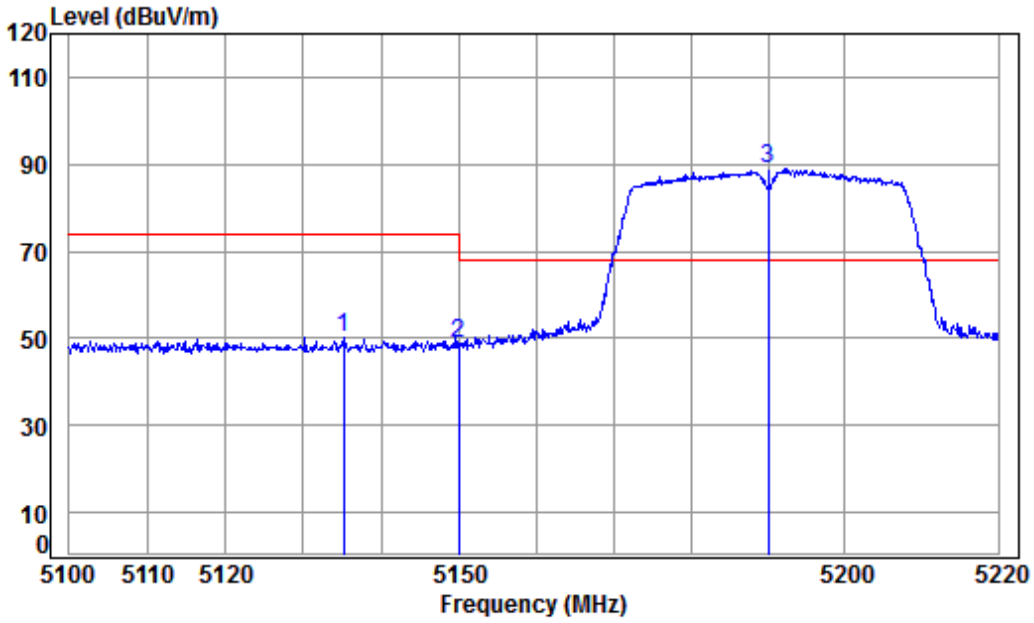
Test mode:	802.11ac(HT20)	Frequency(MHz):	5825	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5825 Band edge
: 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5825.000	9.98	34.60	41.75	96.24	99.07	125.20	-26.13	peak
2	5850.000	10.07	34.61	41.73	55.36	58.31	122.20	-63.89	peak
3	5860.000	10.10	34.62	41.72	50.90	53.90	109.40	-55.50	peak

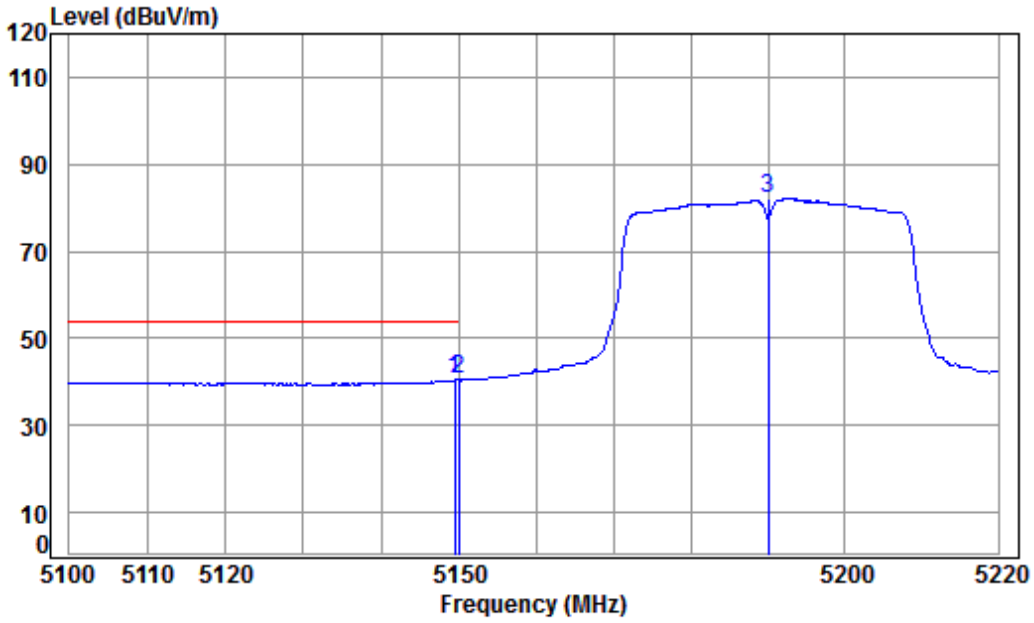
Test mode:	802.11n(HT40)	Frequency(MHz):	5190	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5190 Band edge
: 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5135.110	8.30	34.47	42.37	49.68	50.08	74.00	-23.92	Peak
2	5149.980	8.33	34.47	42.36	48.56	49.00	74.00	-25.00	Peak
3 pp	5190.000	8.39	34.46	42.32	88.26	88.79	68.20	20.59	Peak

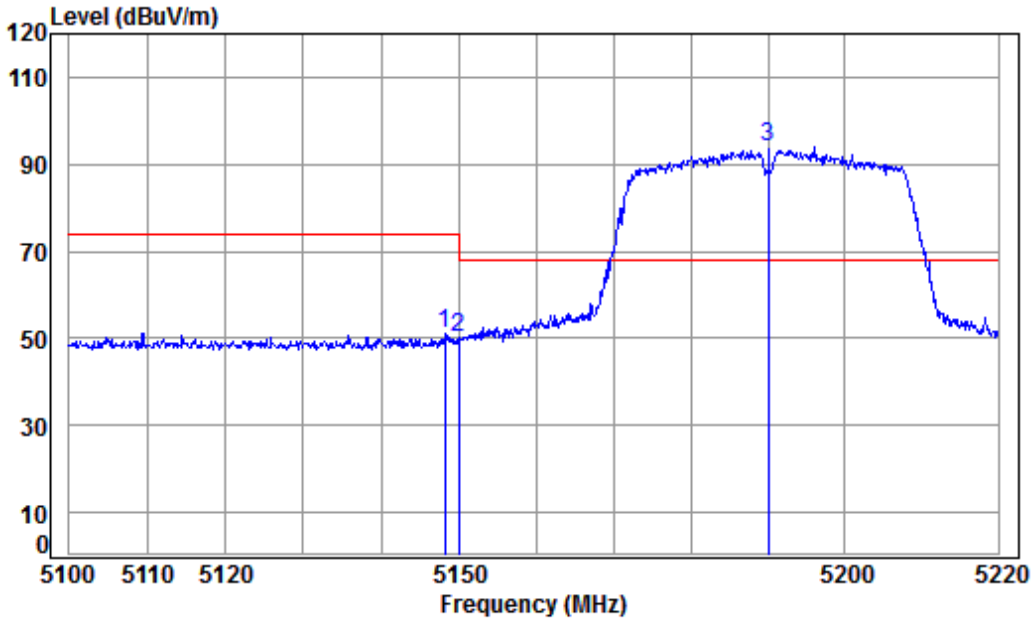
Test mode:	802.11n(HT40)	Frequency(MHz):	5190	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5190 Band edge
: 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	8.32	34.47	42.36	39.99	40.42	54.00	-13.58	Average
2 pp	5149.980	8.33	34.47	42.36	40.04	40.48	54.00	-13.52	Average
3	5190.000	8.39	34.46	42.32	81.58	82.11	------	------	Average

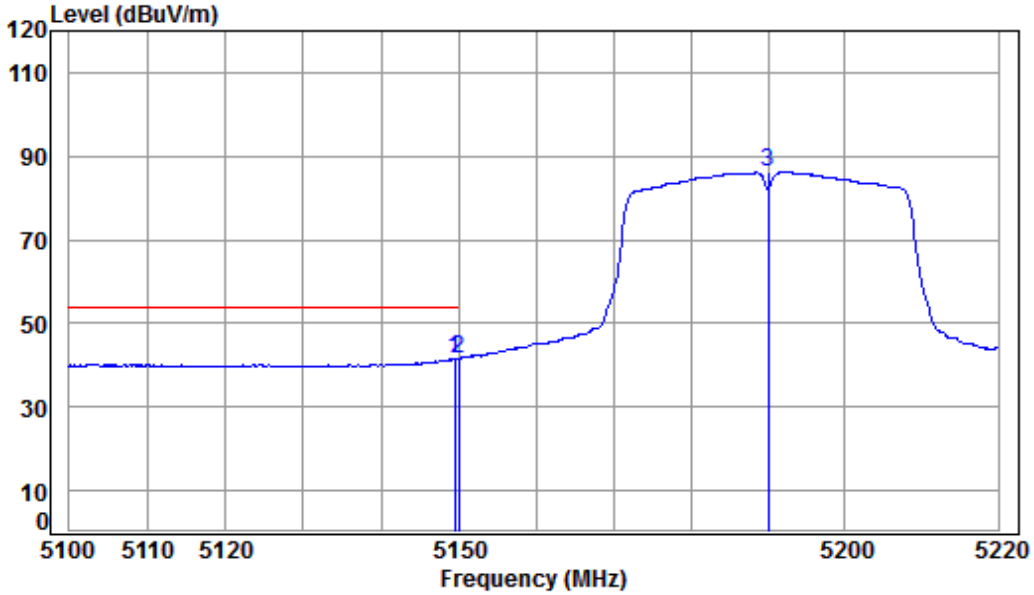
Test mode:	802.11n(HT40)	Frequency(MHz):	5190	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5190 Band edge
: 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.144	8.32	34.47	42.36	50.82	51.25	74.00	-22.75	peak
2	5149.980	8.33	34.47	42.36	49.77	50.21	74.00	-23.79	peak
3 pp	5190.000	8.39	34.46	42.32	93.44	93.97	68.20	25.77	peak

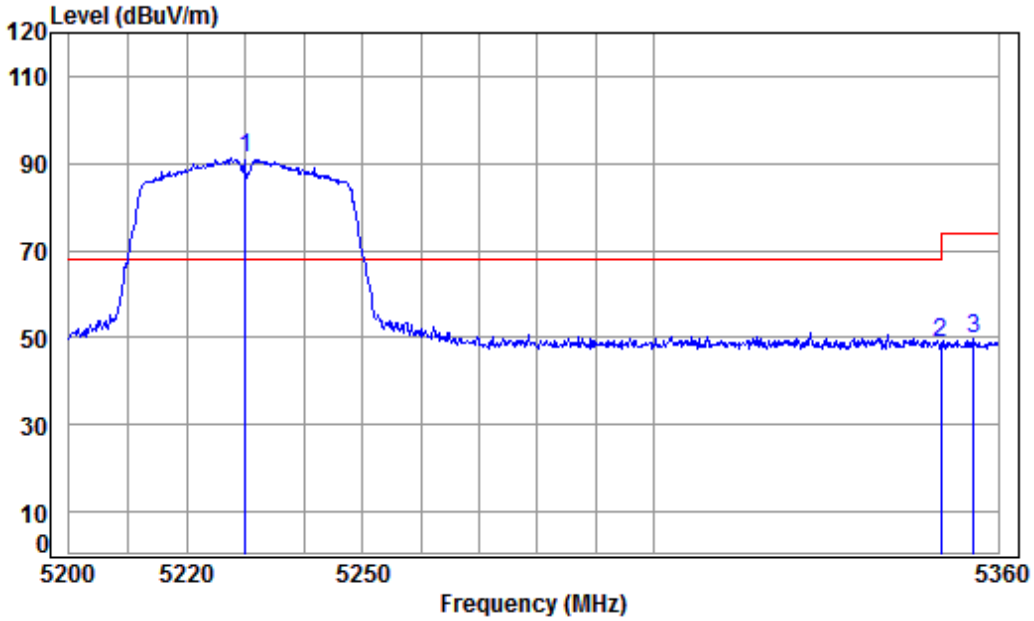
Test mode:	802.11n(HT40)	Frequency(MHz):	5190	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5190 Band edge
: 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	8.32	34.47	42.36	41.02	41.45	54.00	-12.55	Average
2 pp	5149.980	8.33	34.47	42.36	41.24	41.68	54.00	-12.32	Average
3	5190.000	8.39	34.46	42.32	85.69	86.22	------	------	Average

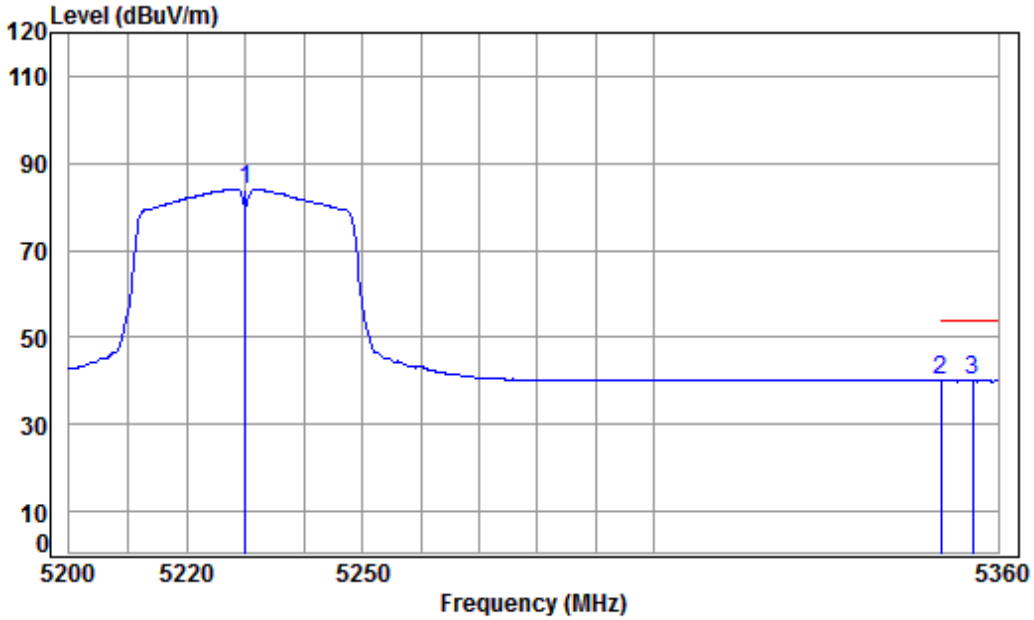
Test mode:	802.11n(HT40)	Frequency(MHz):	5230	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5230 Band edge
: 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5230.000	8.45	34.45	42.28	90.72	91.34	68.20	23.14	Peak
2	5350.020	8.63	34.43	42.17	48.11	49.00	74.00	-25.00	Peak
3	5355.778	8.64	34.43	42.16	48.65	49.56	74.00	-24.44	Peak

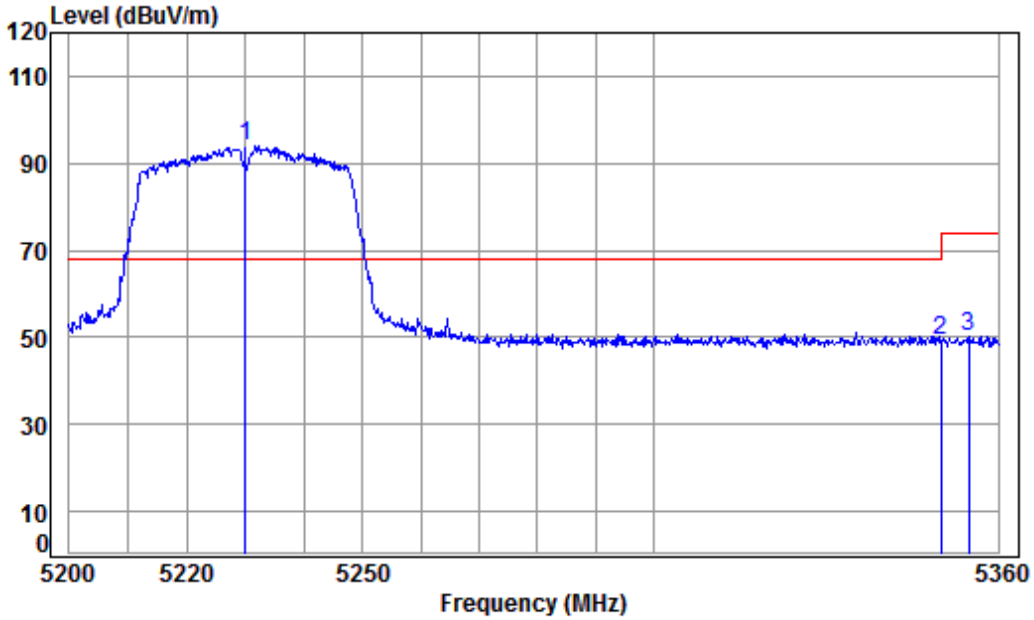
Test mode:	802.11n(HT40)	Frequency(MHz):	5230	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5230 Band edge
: 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.45	34.45	42.28	83.52	84.14	------	------	Average
2 pp	5350.020	8.63	34.43	42.17	39.31	40.20	54.00	-13.80	Average
3	5355.454	8.64	34.43	42.16	39.22	40.13	54.00	-13.87	Average

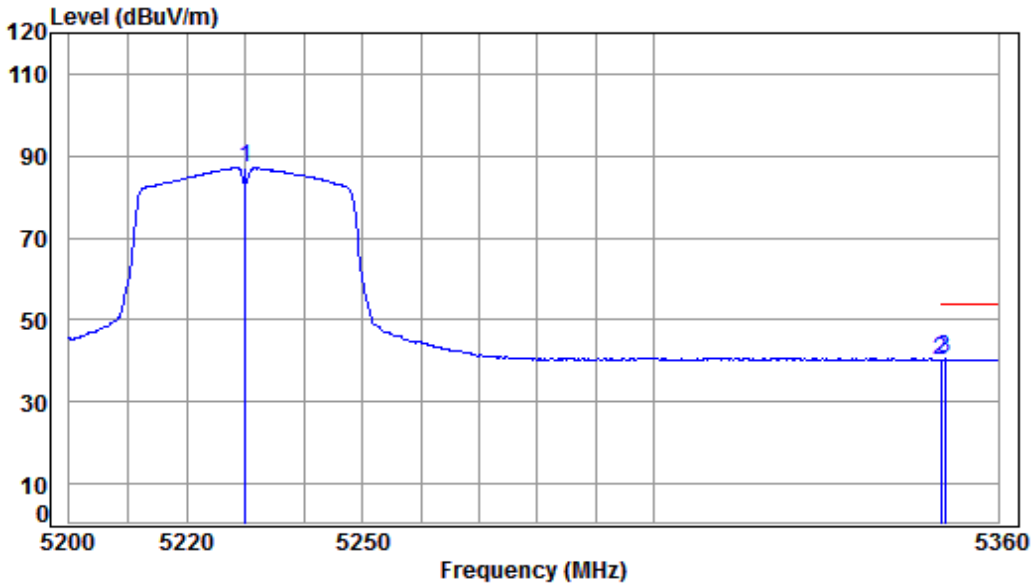
Test mode:	802.11n(HT40)	Frequency(MHz):	5230	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5230 Band edge
: 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5230.000	8.45	34.45	42.28	93.27	93.89	68.20	25.69	peak
2	5350.020	8.63	34.43	42.17	48.61	49.50	74.00	-24.50	peak
3	5354.805	8.64	34.43	42.16	49.19	50.10	74.00	-23.90	peak

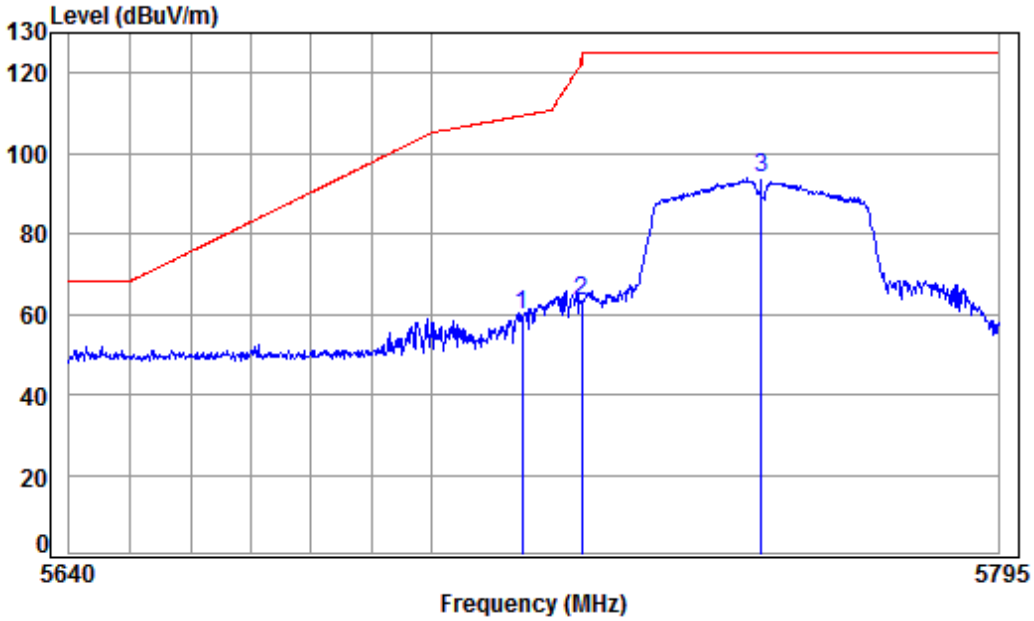
Test mode:	802.11n(HT40)	Frequency(MHz):	5230	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5230 Band edge
: 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.45	34.45	42.28	86.46	87.08	------	------	Average
2	5350.020	8.63	34.43	42.17	39.45	40.34	54.00	-13.66	Average
3 pp	5350.749	8.63	34.43	42.17	39.50	40.39	54.00	-13.61	Average

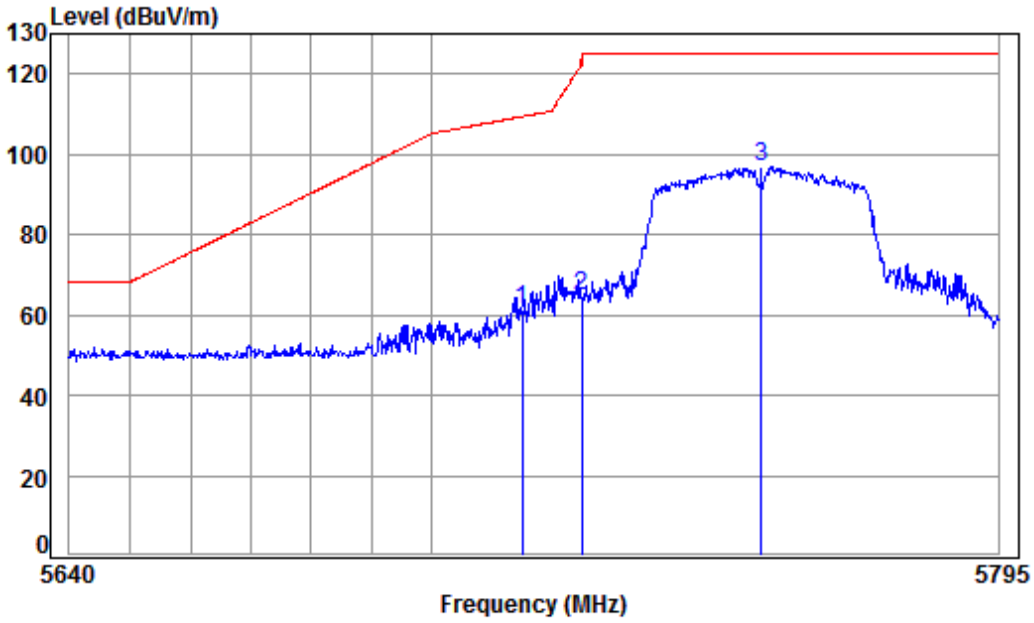
Test mode:	802.11n(HT40)	Frequency(MHz):	5755	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5755 Band edge
: 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.53	41.85	57.47	59.76	109.40	-49.64	peak
2	5725.000	9.64	34.54	41.84	60.70	63.04	122.20	-59.16	peak
3 pp	5755.000	9.75	34.56	41.81	91.52	94.02	125.20	-31.18	peak

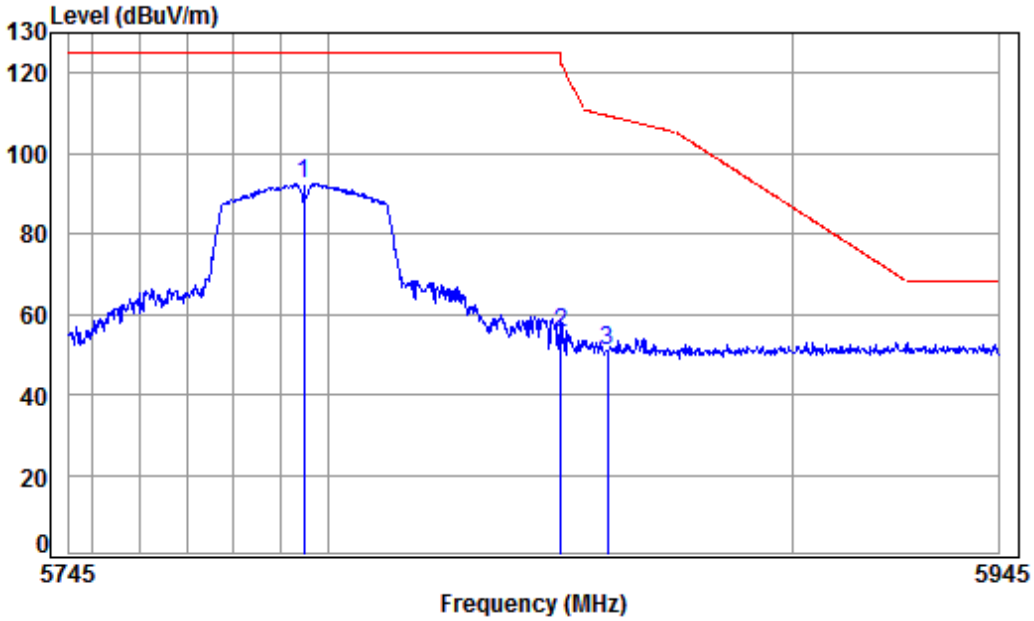
Test mode:	802.11n(HT40)	Frequency(MHz):	5755	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5755 Band edge
: 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.53	41.85	58.93	61.22	109.40	-48.18	peak
2	5725.000	9.64	34.54	41.84	62.56	64.90	122.20	-57.30	peak
3 pp	5755.000	9.75	34.56	41.81	94.37	96.87	125.20	-28.33	peak

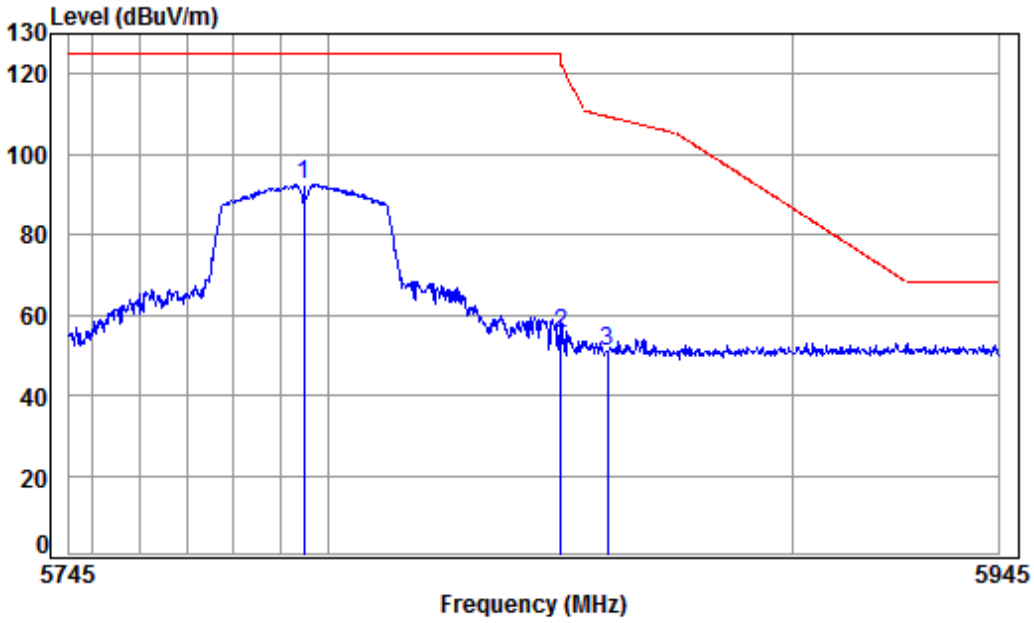
Test mode:	802.11n(HT40)	Frequency(MHz):	5795	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5795 Band edge
: 5G WiFi 11N 40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5795.000	9.88	34.58	41.78	89.92	92.60	125.20	-32.60	peak
2		5850.000	10.07	34.61	41.73	52.35	55.30	122.20	-66.90	peak
3		5860.000	10.10	34.62	41.72	48.04	51.04	109.40	-58.36	peak

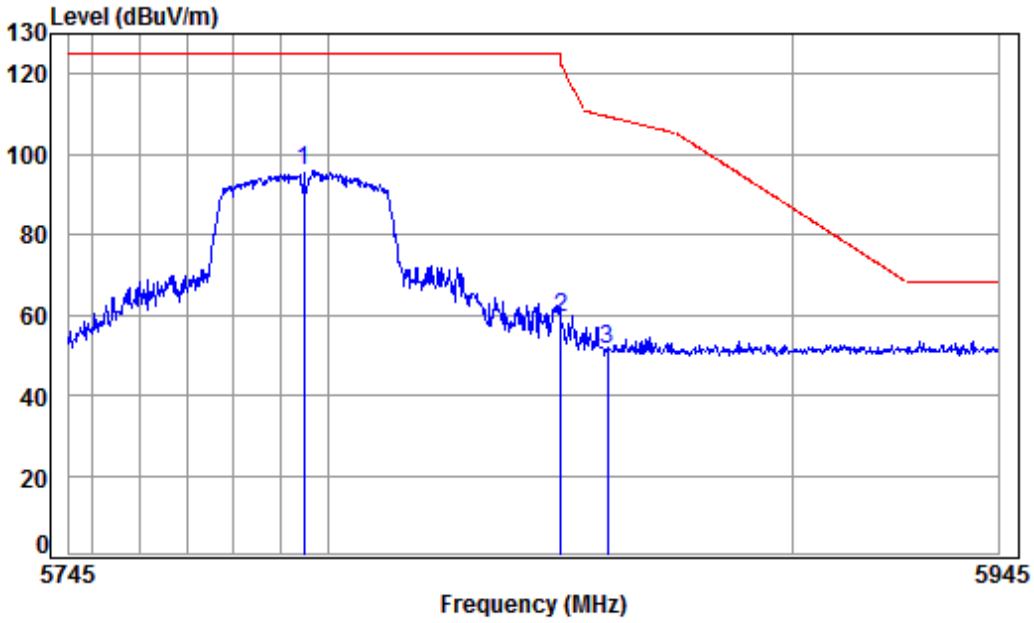
Test mode:	802.11n(HT40)	Frequency(MHz):	5795	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5795 Band edge
: 5G WiFi 11N 40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5795.000	9.88	34.58	41.78	89.92	92.60	125.20	-32.60	peak
2		5850.000	10.07	34.61	41.73	52.35	55.30	122.20	-66.90	peak
3		5860.000	10.10	34.62	41.72	48.04	51.04	109.40	-58.36	peak

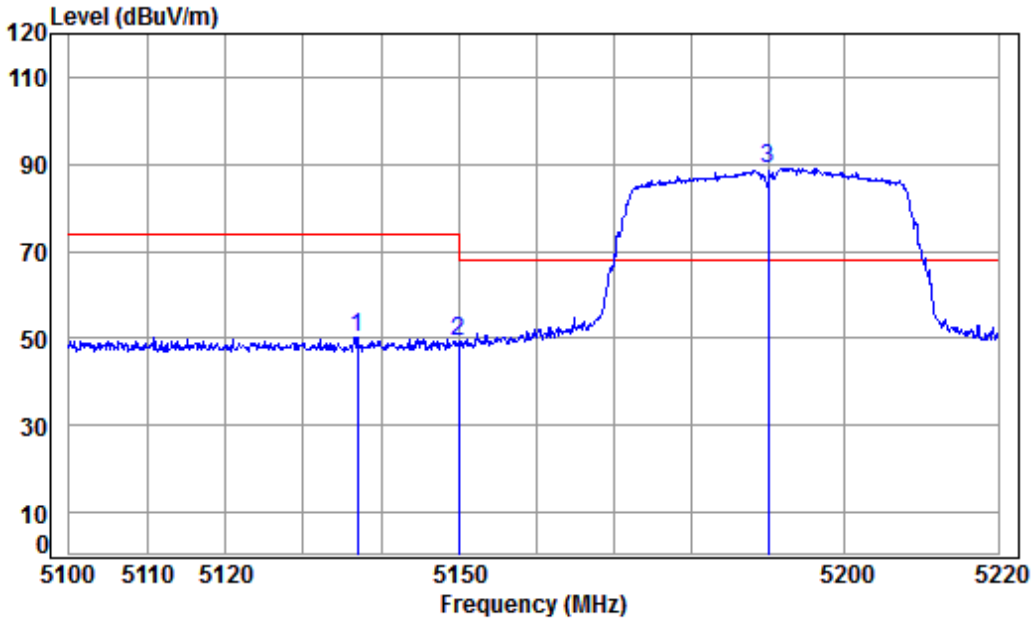
Test mode:	802.11n(HT40)	Frequency(MHz):	5795	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5795 Band edge
: 5G WiFi 11N 40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5795.000	9.88	34.58	41.78	93.16	95.84	125.20	-29.36	peak
2		5850.000	10.07	34.61	41.73	56.35	59.30	122.20	-62.90	peak
3		5860.000	10.10	34.62	41.72	48.63	51.63	109.40	-57.77	peak

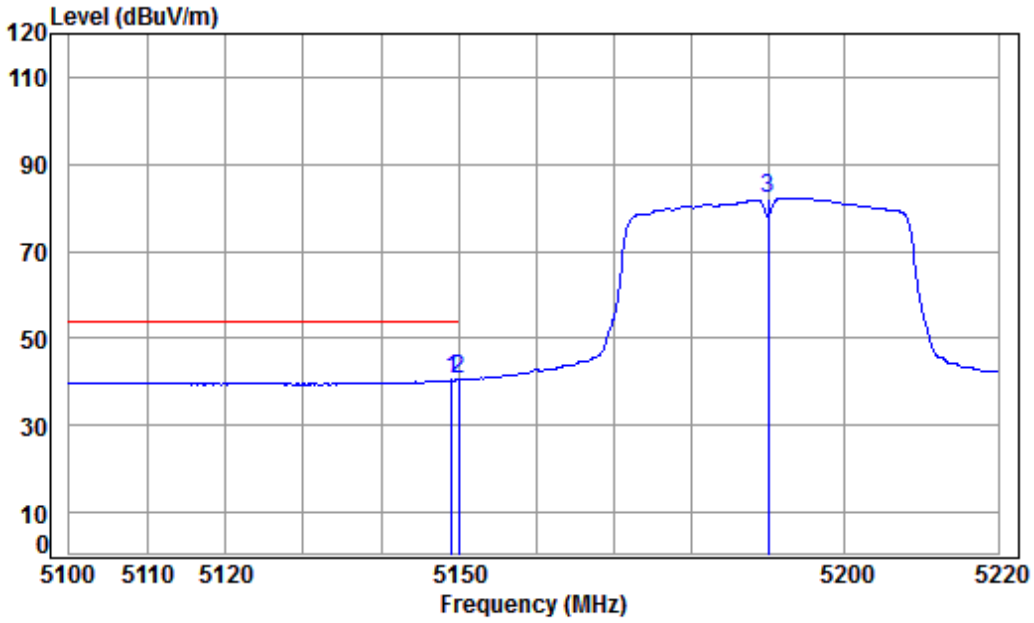
Test mode:	802.11ac(HT40)	Frequency(MHz):	5190	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5190 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5136.902	8.31	34.47	42.37	49.71	50.12	74.00	-23.88	Peak
2	5149.980	8.33	34.47	42.36	48.65	49.09	74.00	-24.91	Peak
3 pp	5190.000	8.39	34.46	42.32	88.66	89.19	68.20	20.99	Peak

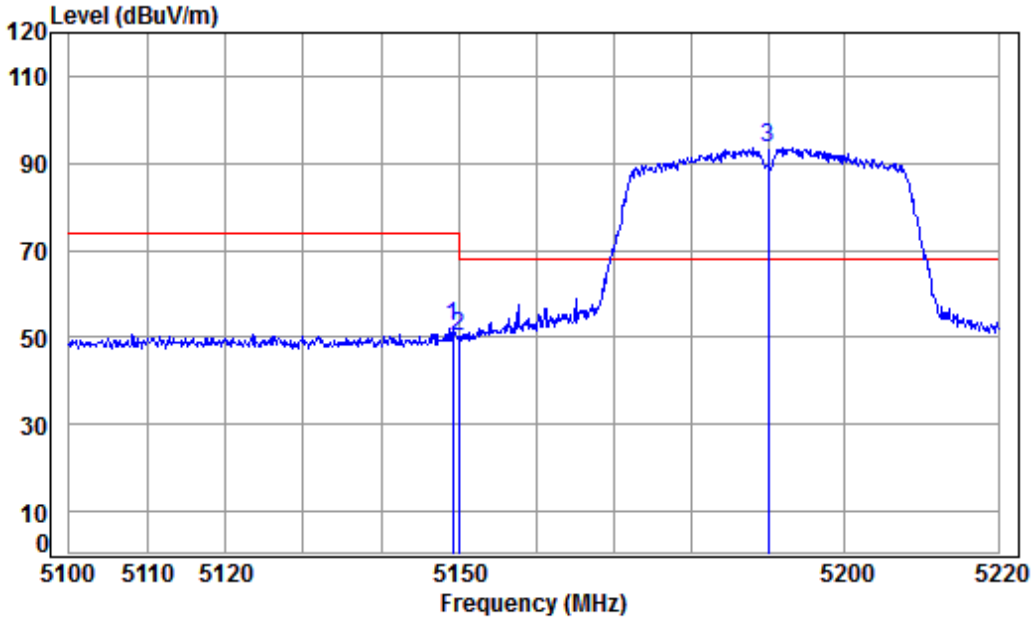
Test mode:	802.11ac(HT40)	Frequency(MHz):	5190	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5190 Band edge
: 5G WiFi 11AC 40

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5149.102	8.32	34.47	42.36	40.11	40.54	54.00	-13.46	Average
2		5149.980	8.33	34.47	42.36	40.04	40.48	54.00	-13.52	Average
3		5190.000	8.39	34.46	42.32	81.82	82.35	------	------	Average

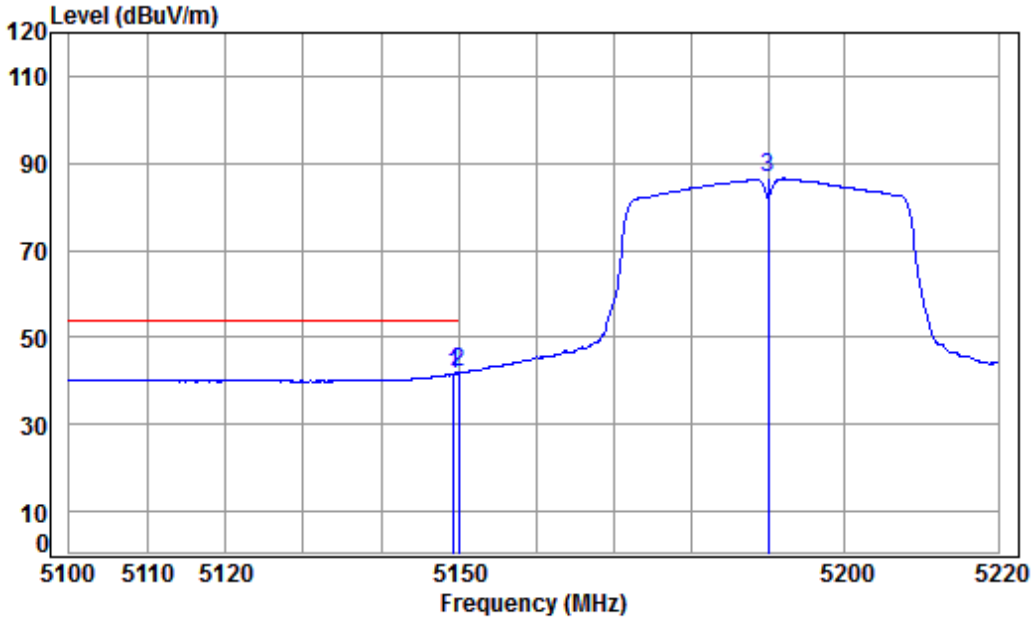
Test mode:	802.11ac(HT40)	Frequency(MHz):	5190	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5190 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.222	8.32	34.47	42.36	52.17	52.60	74.00	-21.40	peak
2	5149.980	8.33	34.47	42.36	49.84	50.28	74.00	-23.72	peak
3 pp	5190.000	8.39	34.46	42.32	92.95	93.48	68.20	25.28	peak

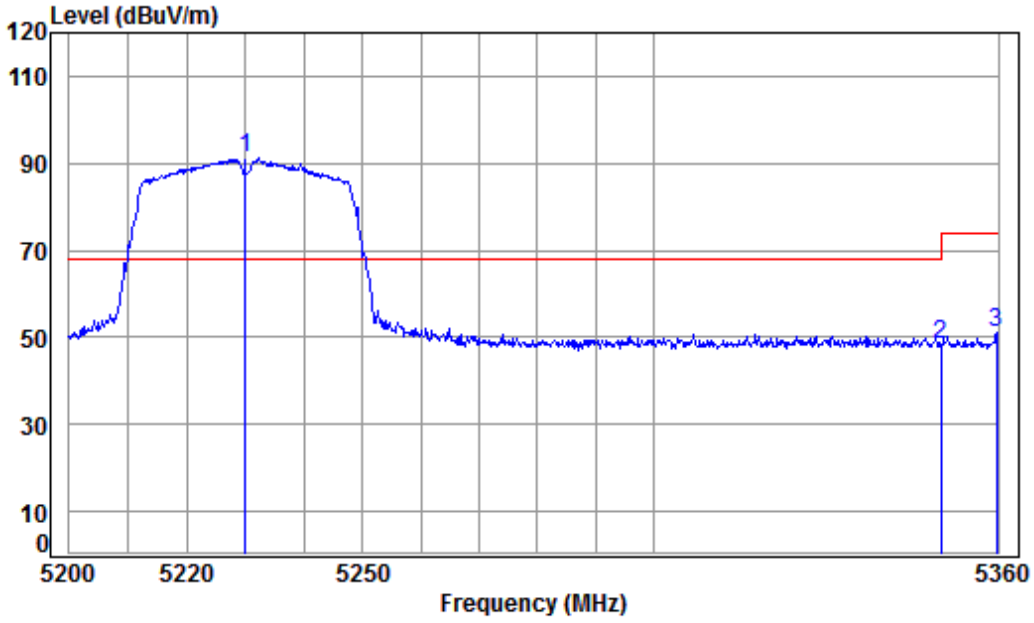
Test mode:	802.11ac(HT40)	Frequency(MHz):	5190	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5190 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.342	8.32	34.47	42.36	41.24	41.67	54.00	-12.33	Average
2 pp	5149.980	8.33	34.47	42.36	41.54	41.98	54.00	-12.02	Average
3	5190.000	8.39	34.46	42.32	85.94	86.47	------	------	Average

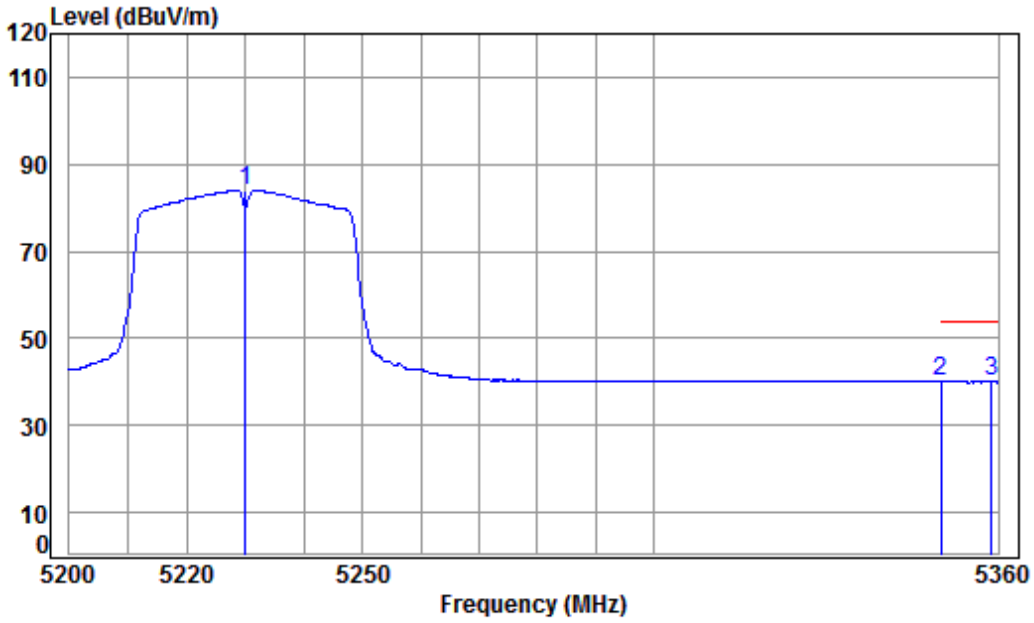
Test mode:	802.11ac(HT40)	Frequency(MHz):	5230	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5230 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5230.000	8.45	34.45	42.28	90.66	91.28	68.20	23.08	Peak
2	5350.020	8.63	34.43	42.17	47.66	48.55	74.00	-25.45	Peak
3	5359.675	8.64	34.43	42.16	50.36	51.27	74.00	-22.73	Peak

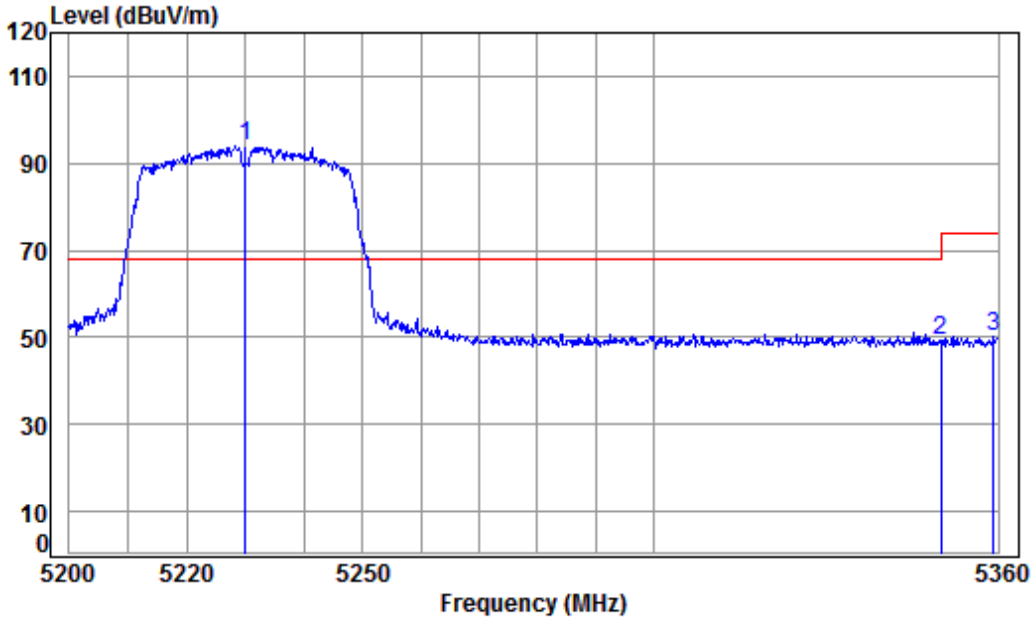
Test mode:	802.11ac(HT40)	Frequency(MHz):	5230	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5230 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.45	34.45	42.28	83.50	84.12	------	------	Average
2	5350.020	8.63	34.43	42.17	39.22	40.11	54.00	-13.89	Average
3 pp	5358.863	8.64	34.43	42.16	39.22	40.13	54.00	-13.87	Average

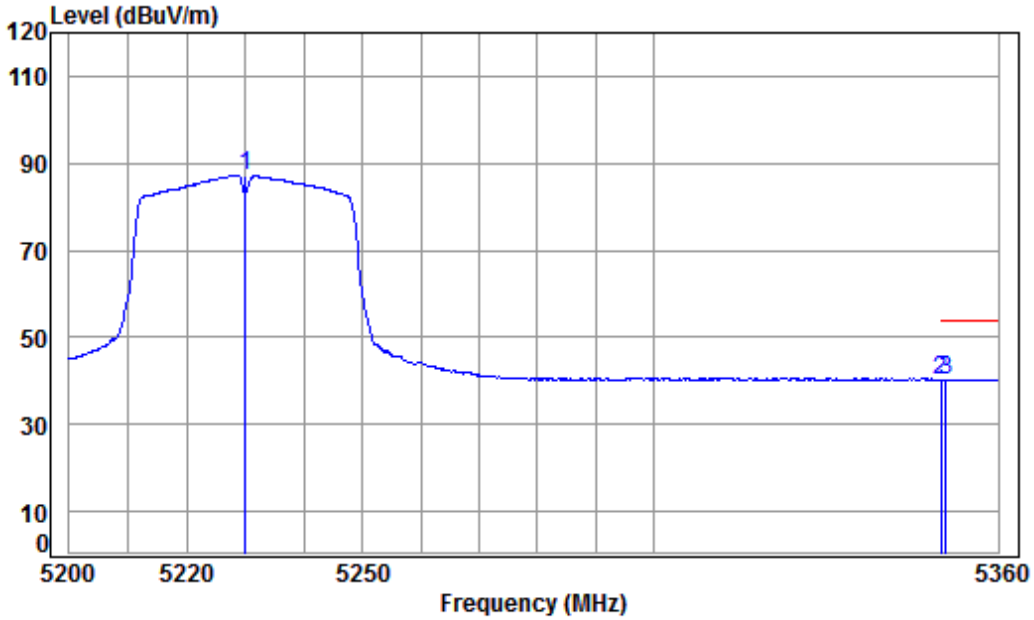
Test mode:	802.11ac(HT40)	Frequency(MHz):	5230	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5230 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5230.000	8.45	34.45	42.28	93.18	93.80	68.20	25.60	peak
2	5350.020	8.63	34.43	42.17	48.53	49.42	74.00	-24.58	peak
3	5359.188	8.64	34.43	42.16	49.42	50.33	74.00	-23.67	peak

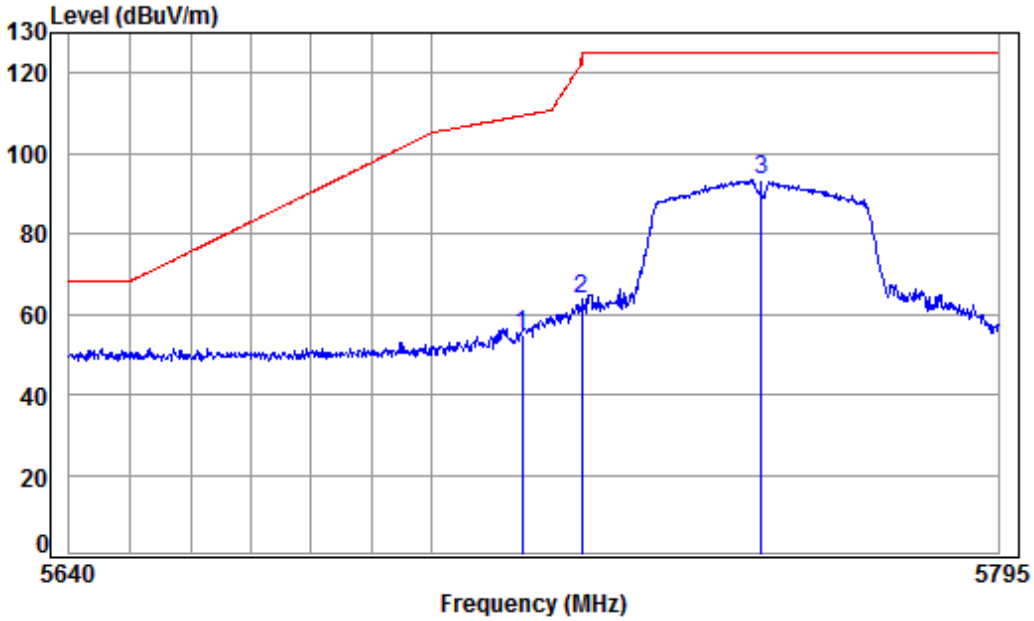
Test mode:	802.11ac(HT40)	Frequency(MHz):	5230	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5230 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.45	34.45	42.28	86.48	87.10	------	------	Average
2	5350.020	8.63	34.43	42.17	39.43	40.32	54.00	-13.68	Average
3 pp	5350.911	8.63	34.43	42.17	39.49	40.38	54.00	-13.62	Average

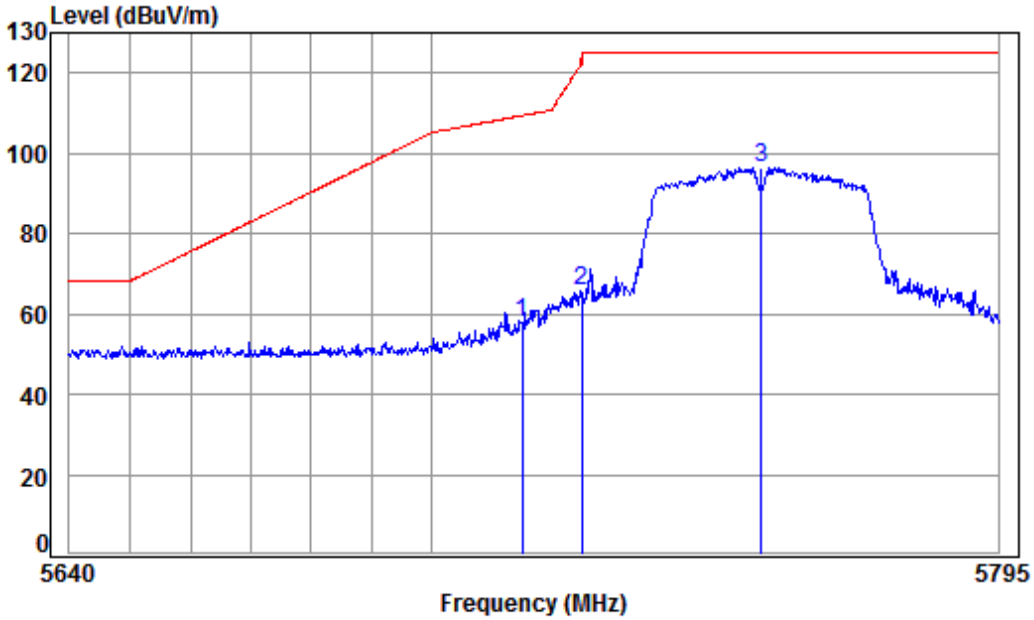
Test mode:	802.11ac(HT40)	Frequency(MHz):	5755	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5755 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.53	41.85	52.75	55.04	109.40	-54.36	peak
2	5725.000	9.64	34.54	41.84	61.40	63.74	122.20	-58.46	peak
3 pp	5755.000	9.75	34.56	41.81	90.73	93.23	125.20	-31.97	peak

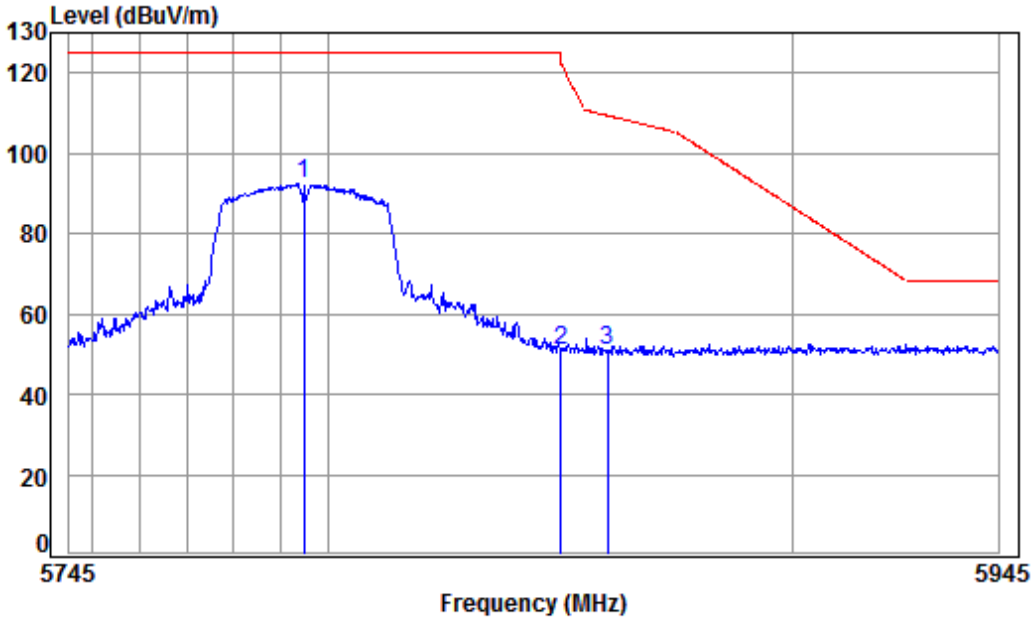
Test mode:	802.11ac(HT40)	Frequency(MHz):	5755	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5755 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.53	41.85	55.56	57.85	109.40	-51.55	peak
2	5725.000	9.64	34.54	41.84	63.34	65.68	122.20	-56.52	peak
3 pp	5755.000	9.75	34.56	41.81	94.05	96.55	125.20	-28.65	peak

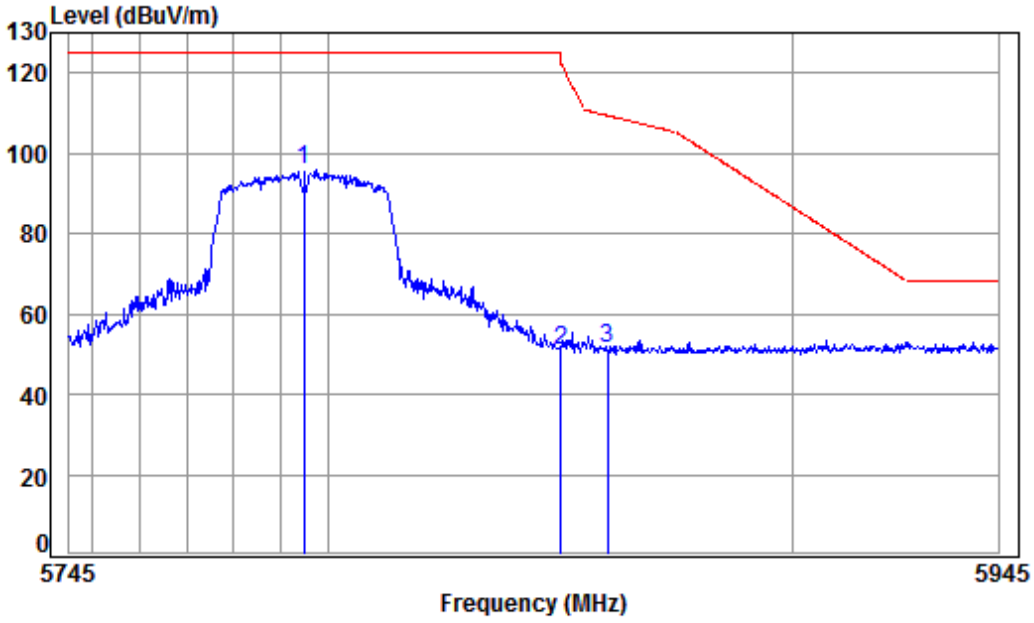
Test mode:	802.11ac(HT40)	Frequency(MHz):	5795	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5795 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5795.000	9.88	34.58	41.78	89.68	92.36	125.20	-32.84	peak
2	5850.000	10.07	34.61	41.73	47.89	50.84	122.20	-71.36	peak
3	5860.000	10.10	34.62	41.72	48.16	51.16	109.40	-58.24	peak

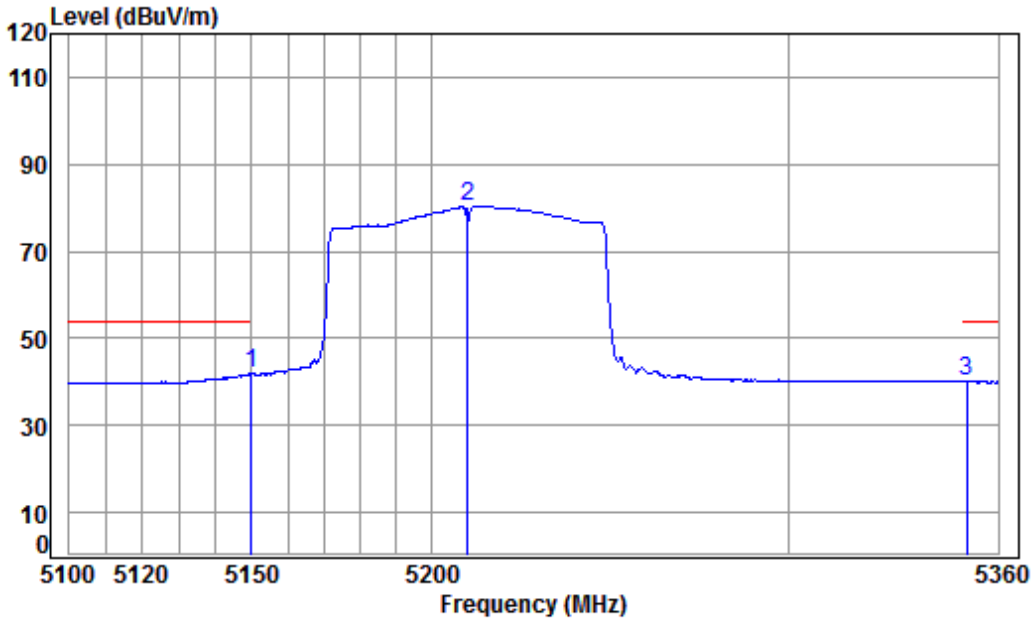
Test mode:	802.11ac(HT40)	Frequency(MHz):	5795	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5795 Band edge
: 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5795.000	9.88	34.58	41.78	93.13	95.81	125.20	-29.39	peak
2	5850.000	10.07	34.61	41.73	47.82	50.77	122.20	-71.43	peak
3	5860.000	10.10	34.62	41.72	48.44	51.44	109.40	-57.96	peak

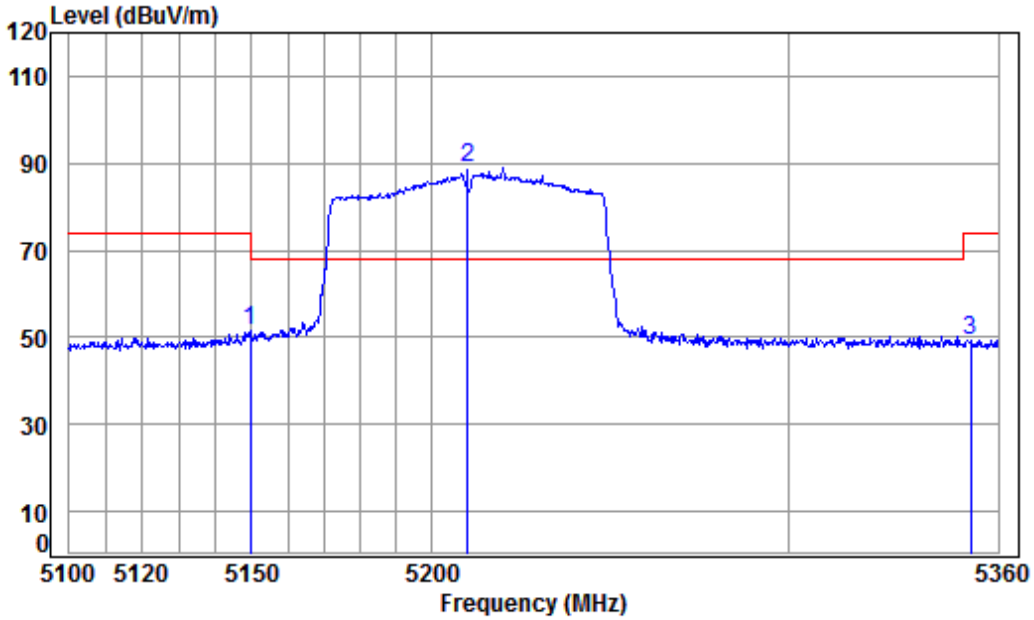
Test mode:	802.11ac(HT80)	Frequency(MHz):	5210	Peak	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5210 Band edge
: 5G WiFi 11AC 80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5149.947	8.33	34.47	42.36	41.48	41.92	54.00	-12.08	Average
2	5210.000	8.42	34.46	42.30	79.91	80.49	------	------	Average
3	5350.946	8.63	34.43	42.17	39.21	40.10	54.00	-13.90	Average

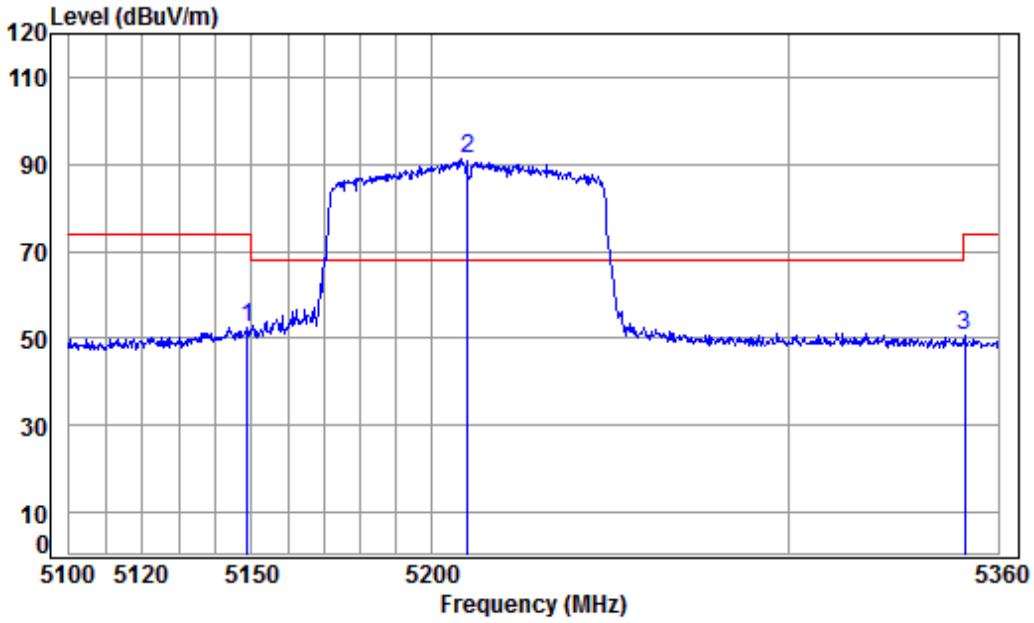
Test mode:	802.11ac(HT80)	Frequency(MHz):	5210	Average	Vertical



Condition: 3m VERTICAL
Job No : 00882RG
Mode : 5210 Band edge
: 5G WiFi 11AC 80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.690	8.33	34.47	42.36	51.23	51.67	74.00	-22.33	Peak
2 pp	5210.000	8.42	34.46	42.30	88.45	89.03	68.20	20.83	Peak
3	5352.010	8.63	34.43	42.17	48.58	49.47	74.00	-24.53	Peak

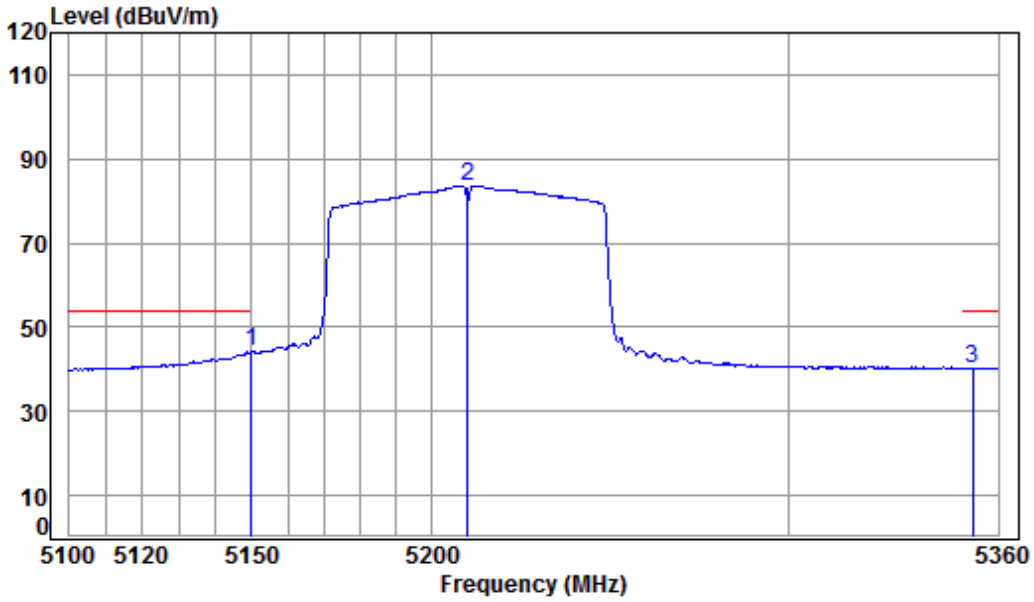
Test mode:	802.11ac(HT80)	Frequency(MHz):	5210	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5210 Band edge
: 5G WiFi 11AC 80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.922	8.32	34.47	42.36	52.26	52.69	74.00	-21.31	peak
2 pp	5210.000	8.42	34.46	42.30	90.51	91.09	68.20	22.89	peak
3	5350.414	8.63	34.43	42.17	49.55	50.44	74.00	-23.56	peak

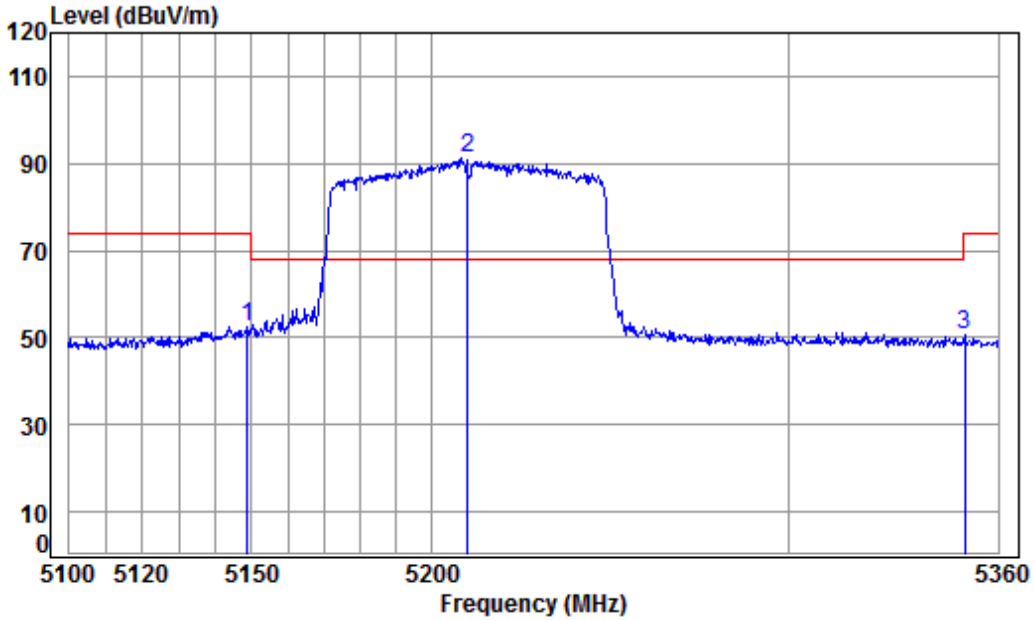
Test mode:	802.11ac(HT80)	Frequency(MHz):	5210	Average	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5210 Band edge
: 5G WiFi 11AC 80

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5149.947	8.33	34.47	42.36	43.92	44.36	54.00	-9.64	Average
2		5210.000	8.42	34.46	42.30	83.11	83.69	------	------	Average
3		5352.542	8.63	34.43	42.17	39.41	40.30	54.00	-13.70	Average

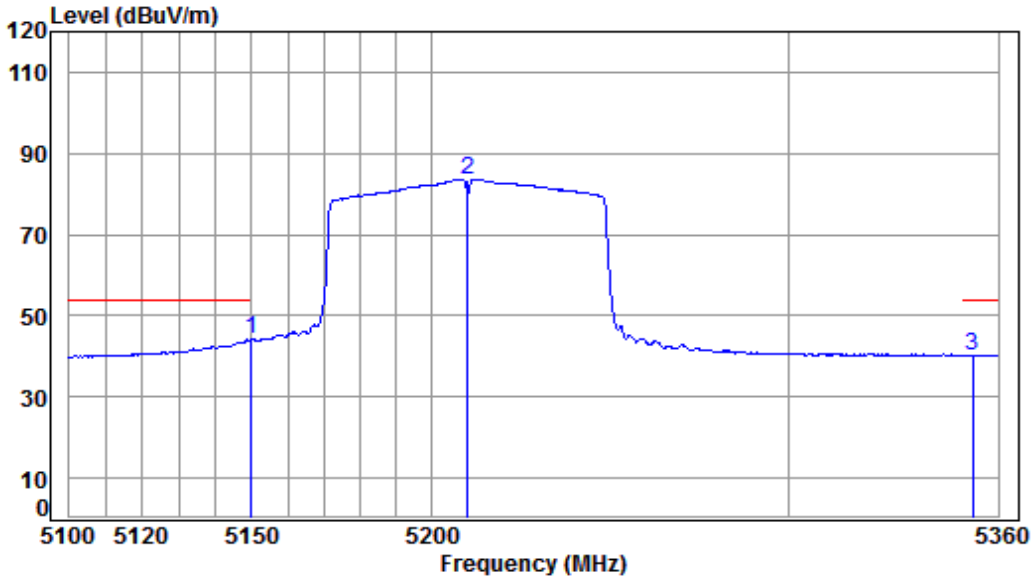
Test mode:	802.11ac(HT80)	Frequency(MHz):	5775	Peak	Vertical



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5210 Band edge
: 5G WiFi 11AC 80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.922	8.32	34.47	42.36	52.26	52.69	74.00	-21.31	peak
2 pp	5210.000	8.42	34.46	42.30	90.51	91.09	68.20	22.89	peak
3	5350.414	8.63	34.43	42.17	49.55	50.44	74.00	-23.56	peak

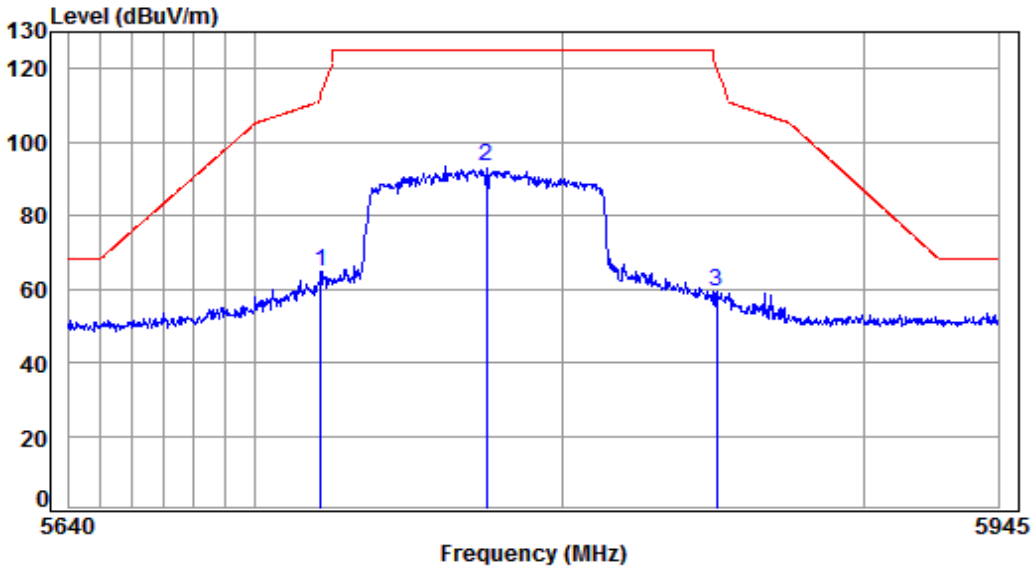
Test mode:	802.11ac(HT80)	Frequency(MHz):	5775	Average	Vertical



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5210 Band edge
: 5G WiFi 11AC 80

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5149.947	8.33	34.47	42.36	43.92	44.36	54.00	-9.64	Average
2		5210.000	8.42	34.46	42.30	83.11	83.69	------	------	Average
3		5352.542	8.63	34.43	42.17	39.41	40.30	54.00	-13.70	Average

Test mode:	802.11ac(HT80)	Frequency(MHz):	5775	Peak	Horizontal



Condition: 3m HORIZONTAL
Job No : 00882RG
Mode : 5775 Band edge
: 5G WiFi 11AC 80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5721.075	9.63	34.54	41.84	62.26	64.59	113.25	-48.66	peak
2 pp	5775.000	9.81	34.57	41.79	90.88	93.47	125.20	-31.73	peak
3	5850.883	10.07	34.61	41.73	56.56	59.51	120.19	-60.68	peak

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

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

7 Photographs - EUT Test Setup Details

Refer to Appendix A - Photographs of EUT Test Setup Details for SZEM1801000882RG.