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TEST REPORT

Application No.:	SZEM1703002008CR
Applicant:	Harman International Industries, Inc
Address of Applicant:	8500 Balboa Blvd,Northridge,CA 91329,UNITED STATES
Manufacturer:	Harman International Industries, Inc
Address of Manufacturer:	8500 Balboa Blvd,Northridge,CA 91329,UNITED STATES
Factory:	TCL Technology Electronics(Huizhou)Co.,Ltd
Address of Factory:	Section 19&37,Zhongkai High-tech development Zone,Huizhou City,Guangdong Province,China
Equipment Under Test (EUT):	
EUT Name:	Wireless Speaker
Model No.:	INVOKE
Trade mark:	Harman Kardon
FCC ID:	APIHKINVOKE
Standards:	47 CFR Part 15, Subpart E (2016)
Date of Receipt:	2017-03-17
Date of Test:	2017-03-20 to 2017-03-28
Date of Issue:	2017-04-01
Test Result :	**Pass***

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

Jack Zhang
EMC Laboratory Manager

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

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2017-04-01		Original

Authorized for issue by:				
Tested By		Benson Wang		2017-03-28
		Benson Wang /Project Engineer		**Date**
Checked By		Eric Fu		2017-04-01
		Eric Fu /Reviewer		**Date**

2 Test Summary

Radio Spectrum Technical Requirement				
Item	**Standard**	**Method**	**Requirement**	**Result**
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart 15.203	Pass

N/A: Not applicable

Radio Spectrum Matter Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Conducted Disturbance at AC Power Line(150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart 15.207 & 15.407 b(6)	Pass
26dB Emission bandwidth	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Maximum Conducted output power	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 15, Subpart 15.209 & 15.407(b)	Pass
Frequency Stability	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass
DFS: Non-occupancy period	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
DFS: Channel Move Time	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
DFS: Channel Closing Transmission Time	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Radiated Spurious Emissions	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 15, Subpart 15.209 & 15.407(b)	Pass
99% Bandwidth	47 CFR Part 15, Subpart E 15.407	KDB 789033 II D	N/A	Pass
Duty cycle	47 CFR Part 15, Subpart E 15.407	KDB 789033 II B	N/A	Pass

N/A: Not applicable

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4 General Information

4.1 Details of E.U.T.

Power supply: Powered by adapter

Adapter Model: DT19V-2C-DC

Input: AC100-240V, 50/60Hz 1.5A Max

output: DC 19V,2.0A

Operation Frequency:

Band	Mode	Frequency Range(MHz)	Number of channels
UNII Band I	IEEE 802.11a	5180-5240	4
	IEEE 802.11n/ac 20MHz	5180-5240	4
	IEEE 802.11n/ac 40MHz	5190-5230	2
	IEEE 802.11ac 80MHz	5210	1
UNII Band II-A	IEEE 802.11a	5260-5320	4
	IEEE 802.11n/ac 20MHz	5260-5320	4
	IEEE 802.11n/ac 40MHz	5270-5310	2
	IEEE 802.11ac 80MHz	5290	1
UNII Band II-C	IEEE 802.11a	5500-5700	11
	IEEE 802.11n/ac 20MHz	5500-5700	11
	IEEE 802.11n/ac 40MHz	5510-5670	5
	IEEE 802.11ac 80MHz	5530-5690	3
UNII Band III	IEEE 802.11a	5745-5825	5
	IEEE 802.11n/ac 20MHz	5745-5825	5
	IEEE 802.11n/ac 40MHz	5755-5795	2
	IEEE 802.11ac 80MHz	5775	1

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)

DFS mode: Slave without radar detection

Antenna type: PIFA

Antenna gain Antenna 1: 3.09dBi, Antenna 2: 2.14dBi

4.2 Description of Support Units

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.25 x 10-8
2	Timeout	2s
3	Duty cycle	0.37%
4	Occupied Bandwidth	3%
5	RF conducted power	0.75dB
6	RF power density	2.84dB
7	Conducted Spurious emissions	0.75dB
8	RF Radiated power	4.5dB (below 1GHz)
		4.8dB (above 1GHz)
9	Radiated Spurious emission test	4.5dB (30MHz-1GHz)
		4.8dB (1GHz-18GHz)
10	Temperature test	1°C
11	Humidity test	3%
12	Supply voltages	1.5%
13	Time	3%

4.4 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.

4.5 Test Facility

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

• CNAS (No. CNAS L2929)

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

• A2LA (Certificate No. 3816.01)

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

• VCCI

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

• FCC – Registration No.: 556682

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

• Industry Canada (IC)

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

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

5 Equipment List

Conducted Disturbance at AC Power Line(150kHz-30MHz)					
Equipment	**Manufacturer**	**Model No**	**Inventory No**	**Cal Date**	**Cal Due Date**
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2016-05-13	2017-05-13
LISN	Rohde & Schwarz	ENV216	SEM007-01	2016-10-09	2017-10-09
LISN	ETS-LINDGREN	3816/2	SEM007-02	2016-04-25	2017-04-25
8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2016-09-28	2017-09-28
4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2016-09-28	2017-09-28
2 Line ISN	Fischer Custom	FCC-TLISN-T2-02	EMC0122	2016-09-28	2017-09-28

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

RE in Chamber

Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2016-05-13	2017-05-13
EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2016-10-09	2017-10-09
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2014-11-01	2017-11-01
Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2016-04-25	2017-04-25

RF Conducted

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09

General used equipment

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2016-10-12	2017-10-12
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2016-10-12	2017-10-12
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2016-10-12	2017-10-12
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2016-05-18	2017-05-18

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

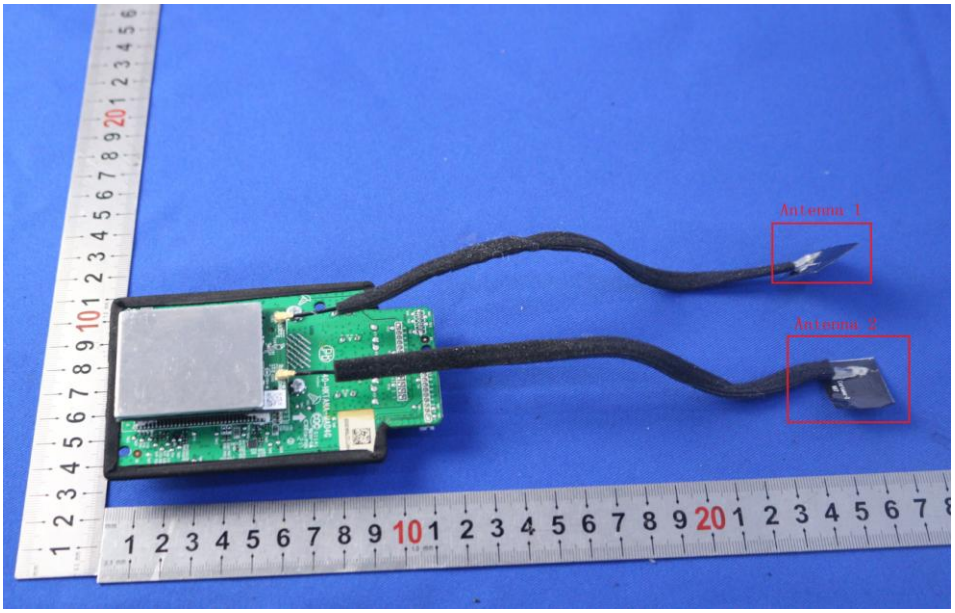
47 CFR Part 15C Section 15.203

6.1.2 Conclusion

Standard Requirment:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:



The antenna uses a unique coupling to the intentional radiator and no consideration of replacement.. The best case gain of the Antenna 1: 3.09dBi, Antenna 2: 2.14dBi.

There is only one antenna is selected for use at any one time, through the on-board Transmit-receive/Diversity RF switch.

7 Radio Spectrum Matter Test Results

7.1 Conducted Disturbance at AC Power Line(150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)
Test Method: ANSI C63.10 (2013) Section 6.2
Limit:

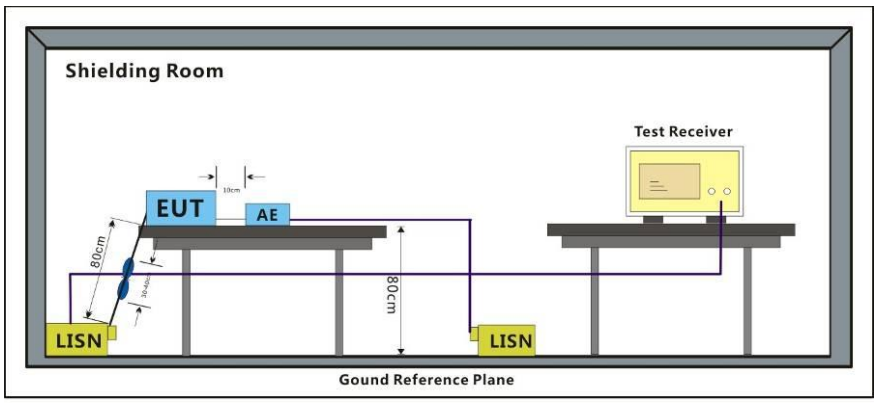
Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency.		

7.1.1 E.U.T. Operation

Operating Environment:

Temperature:	25.0 °C Humidity: 55 % RH Atmospheric Pressure: 1015 mbar
Pretest these mode to find the worst case:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4. Transmitting with all kind of modulations, data rates at lowest, middle and highest channel.
The worst case for final test:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. 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.

7.1.2 Test Setup Diagram



7.1.3 Measurement Data

1) The mains terminal disturbance voltage test was conducted in a shielded room.

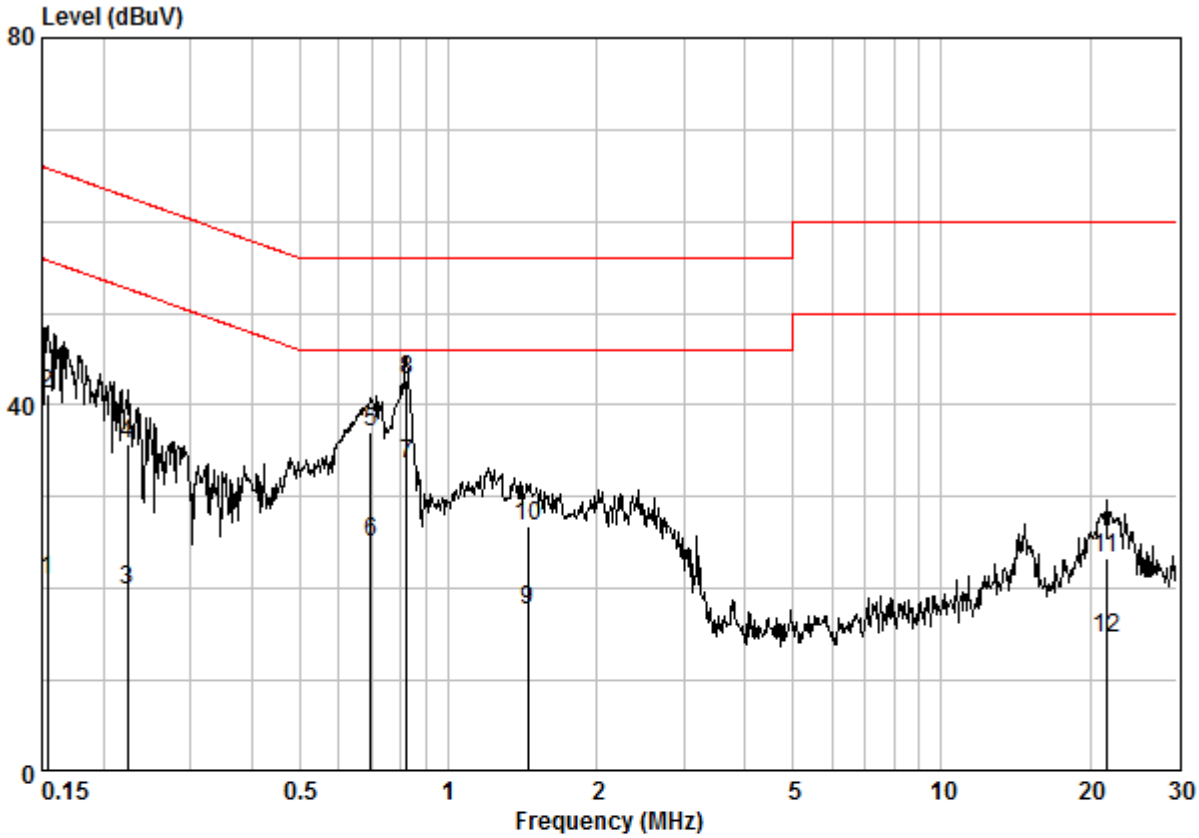
2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as 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 on conducted measurement.

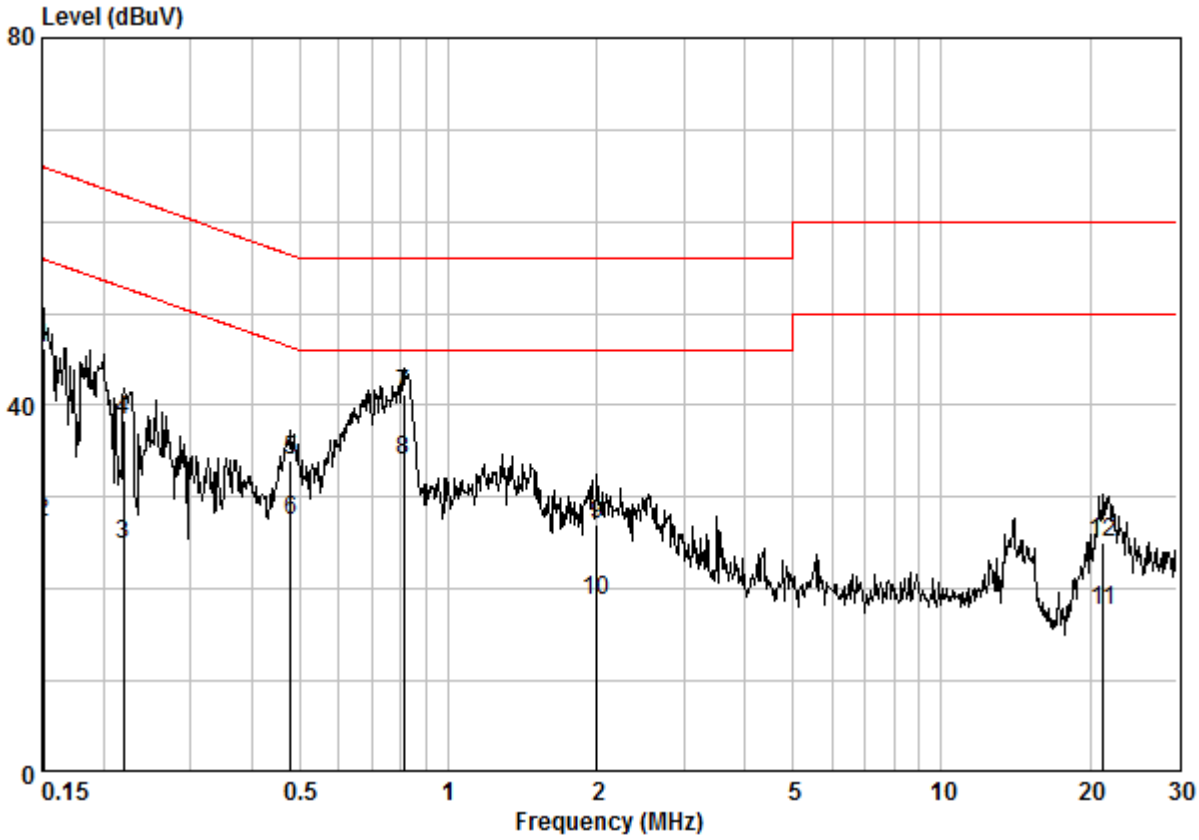
Mode:d; Line:Live Line



Site : Shielding Room
Condition : CE LINE
Job No. : 02008CR
Test Mode : d

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 @	0.15403	0.02	9.64	11.34	21.00	55.78	-34.78	AVERAGE
2 @	0.15403	0.02	9.64	31.47	41.13	65.78	-24.65	QP
3 @	0.22319	0.02	9.64	10.16	19.82	52.70	-32.88	AVERAGE
4 @	0.22319	0.02	9.64	25.99	35.65	62.70	-27.05	QP
5 @	0.69725	0.02	9.65	27.46	37.14	56.00	-18.86	QP
6 @	0.69725	0.02	9.65	15.46	25.14	46.00	-20.86	AVERAGE
7 @	0.82172	0.03	9.65	23.80	33.47	46.00	-12.53	AVERAGE
8 @	0.82172	0.03	9.65	33.05	42.73	56.00	-13.27	QP
9 @	1.449	0.03	9.66	7.97	17.66	46.00	-28.34	AVERAGE
10 @	1.449	0.03	9.66	17.04	26.73	56.00	-29.27	QP
11 @	21.600	0.17	10.23	13.03	23.43	60.00	-36.57	QP
12 @	21.600	0.17	10.23	4.13	14.53	50.00	-35.47	AVERAGE

Mode:d; Line:Neutral Line



Site : Shielding Room
Condition : CE NEUTRAL
Job No. : 02008CR
Test Mode : d

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 @	0.15080	0.02	9.64	36.59	46.25	65.96	-19.71	QP
2 @	0.15080	0.02	9.64	17.64	27.30	55.96	-28.65	AVERAGE
3 @	0.21967	0.02	9.63	15.22	24.87	52.83	-27.96	AVERAGE
4 @	0.21967	0.02	9.63	28.63	38.28	62.83	-24.55	QP
5 @	0.47865	0.02	9.63	24.42	34.07	56.36	-22.30	QP
6 @	0.47865	0.02	9.63	17.80	27.45	46.36	-18.91	AVERAGE
7 @	0.81305	0.03	9.64	31.55	41.22	56.00	-14.78	QP
8 @	0.81305	0.03	9.64	24.32	33.99	46.00	-12.01	AVERAGE
9 @	2.001	0.03	9.66	17.33	27.02	56.00	-28.98	QP
10 @	2.001	0.03	9.66	9.02	18.71	46.00	-27.29	AVERAGE
11 @	21.260	0.17	10.25	7.22	17.64	50.00	-32.36	AVERAGE
12 @	21.260	0.17	10.25	14.63	25.04	60.00	-34.96	QP

7.2 26dB Emission bandwidth

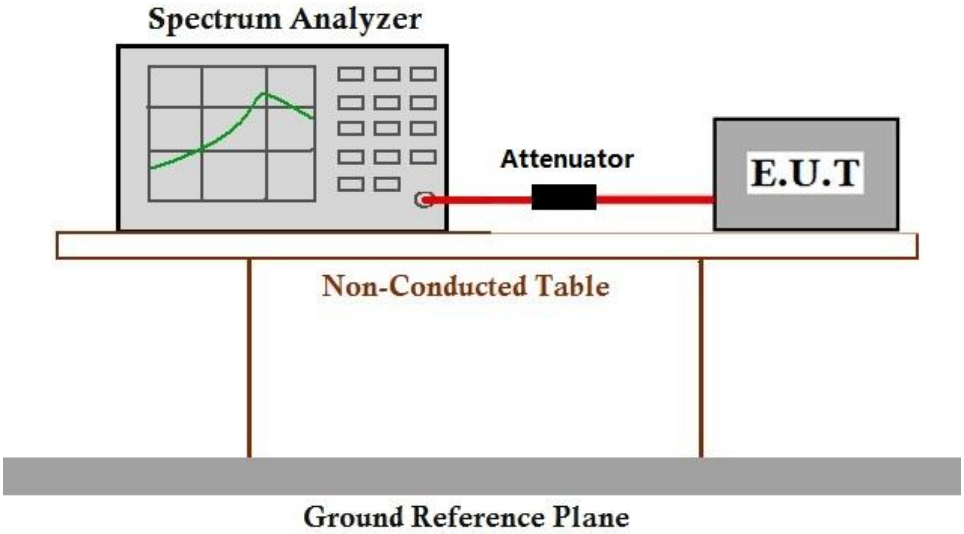
Test Requirement	47 CFR Part 15, Subpart E 15.407 (a)
Test Method:	KDB 789033 D02 II C 1
Limit:	N/A

7.2.1 E.U.T. Operation

Operating Environment:

Temperature:	23.0 °C Humidity: 56 % RH Atmospheric Pressure: 1015 mbar
Pretest these mode to find the worst case:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4.
The worst case for final test:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4. 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.

7.2.2 Test Setup Diagram



7.2.3 Measurement Data

The detailed test data see: Appendix 15.407

7.3 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

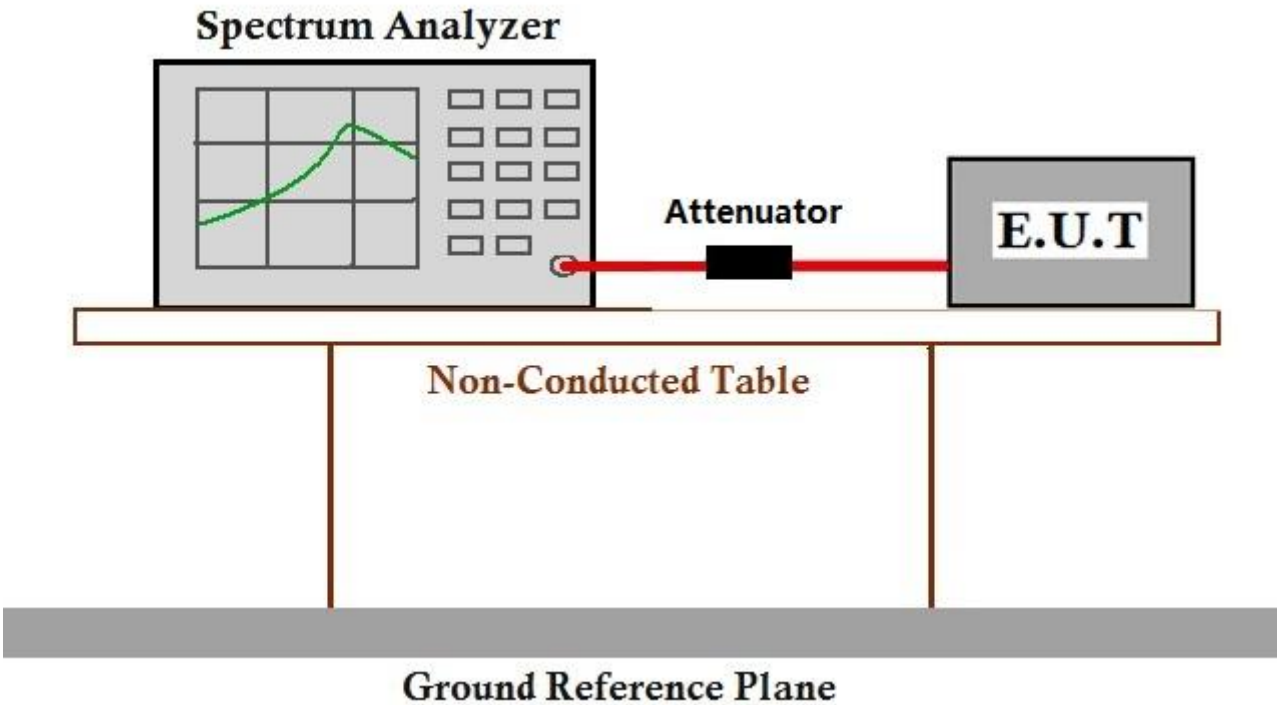
Test Requirement	47 CFR Part 15, Subpart E 15.407 (e)
Test Method:	KDB 789033 D02 II C 2
Limit:	≥500 kHz

7.3.1 E.U.T. Operation

Operating Environment:

Temperature:	23 °C Humidity: 56 % RH Atmospheric Pressure: 1015 mbar
Pretest these mode to find the worst case:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4.
The worst case for final test:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4. 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); 1SS0 of rate is the worst case of 802.11ac(HT20); 1SS0 of rate is the worst case of 802.11ac(HT40); 1SS0 of rate is the worst case of 802.11ac(HT80) Only the worst case is recorded in the report.

7.3.2 Test Setup Diagram



7.3.3 Measurement Data

The detailed test data see: Appendix 15.407

7.4 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II E
Limit:

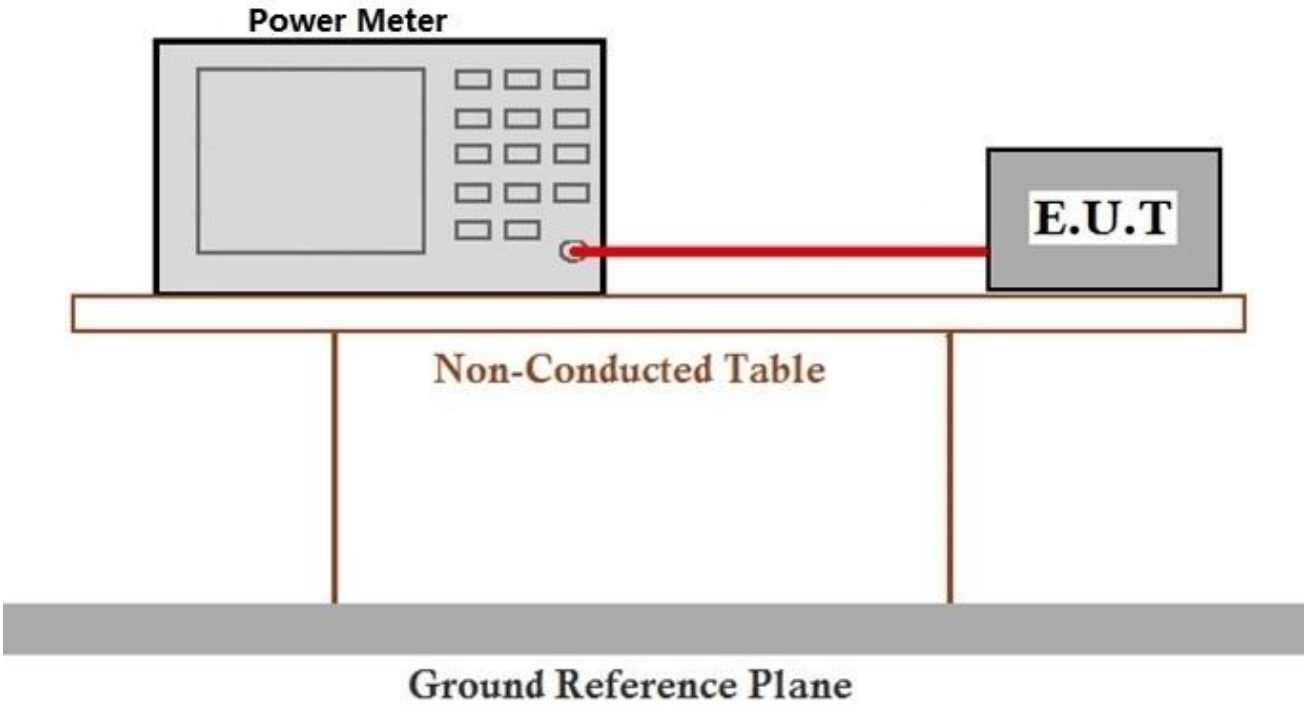
Frequency band(MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) for client device or 11dBm+10logB*
5470-5725	≤250mW(24dBm) for client device or 11dBm+10logB*
5725-5850	≤1W(30dBm)
Remark: *Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.	

7.4.1 E.U.T. Operation

Operating Environment:

Temperature:	23.0 °C Humidity: 56 % RH Atmospheric Pressure: 1015 mbar
Pretest these mode to find the worst case:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4.
The worst case for final test:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4. 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.

7.4.2 Test Setup Diagram



7.4.3 Measurement Data

The detailed test data see: Appendix 15.407

7.5 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II F
Limit:

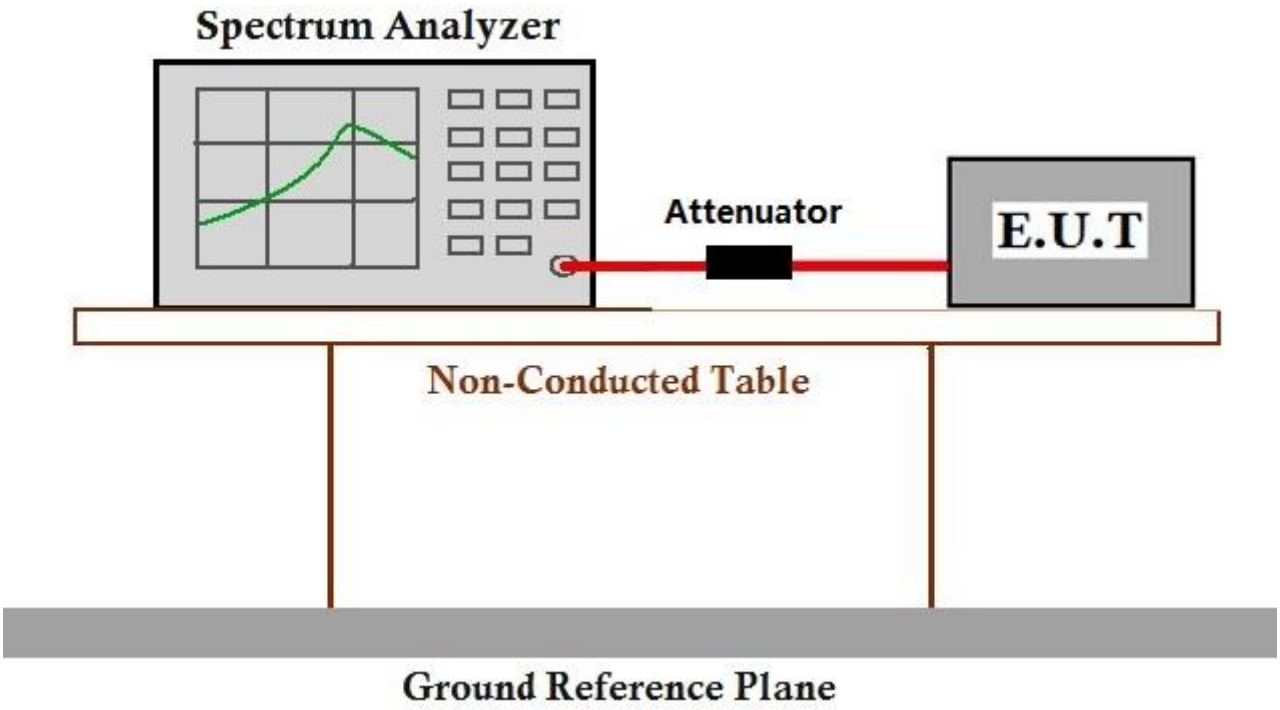
Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark: The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.	

7.5.1 E.U.T. Operation

Operating Environment:

Temperature:	23.0 °C Humidity: 56 % RH Atmospheric Pressure: 1015 mbar
Pretest these mode to find the worst case:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4.
The worst case for final test:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4. 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.

7.5.2 Test Setup Diagram



7.5.3 Measurement Data

The detailed test data see: Appendix 15.407

7.6 Restricted bands around fundamental frequency (Radiated Emission)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)
Test Method: KDB 789033 D02 II G
Measurement Distance: 3m
Limit:

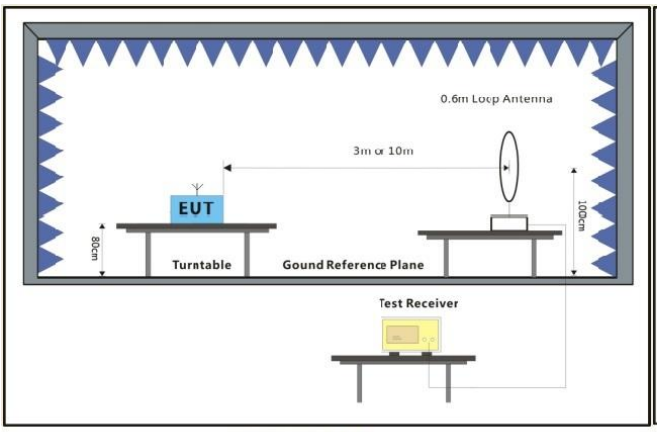
Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, 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.		

7.6.1 E.U.T. Operation

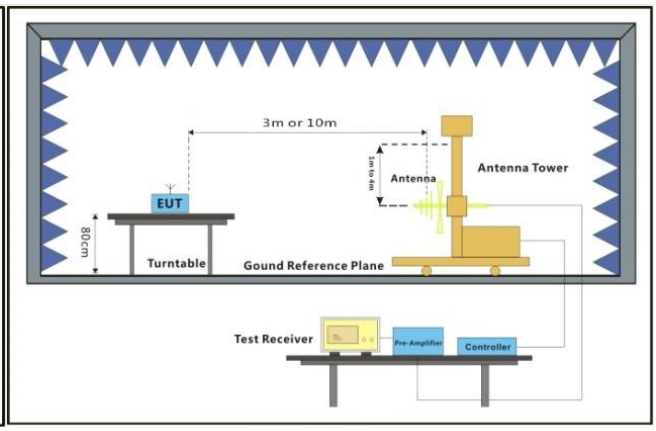
Operating Environment:

Temperature:	23.0 °C Humidity: 54 % RH Atmospheric Pressure: 1015 mbar
Pretest these mode to find the worst case:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4.
The worst case for final test:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4. 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.

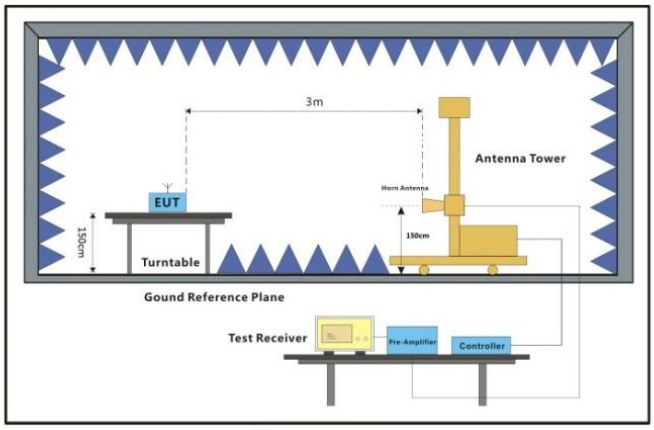
7.6.2 Test Setup Diagram



Below 30MHz



30MHz-1GHz



Above 1GHz

7.6.3 Measurement Data

a. For below 1GHz, 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 chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) 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.

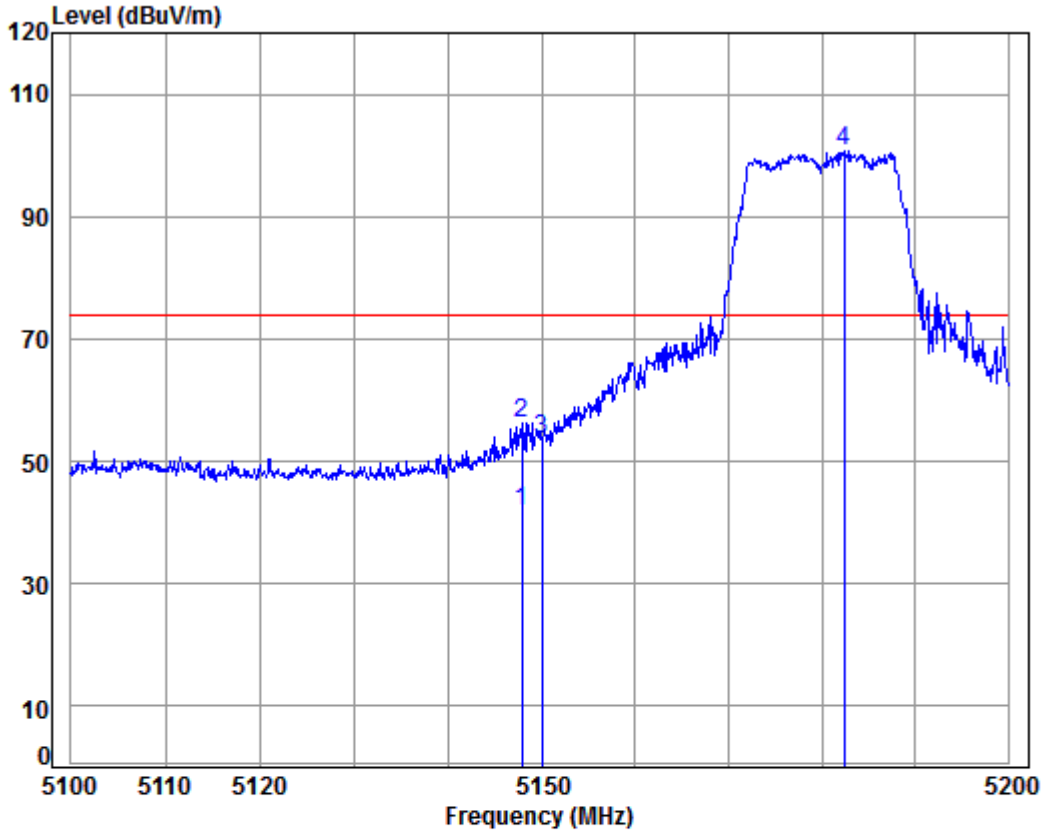
g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel,the middle channel,the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

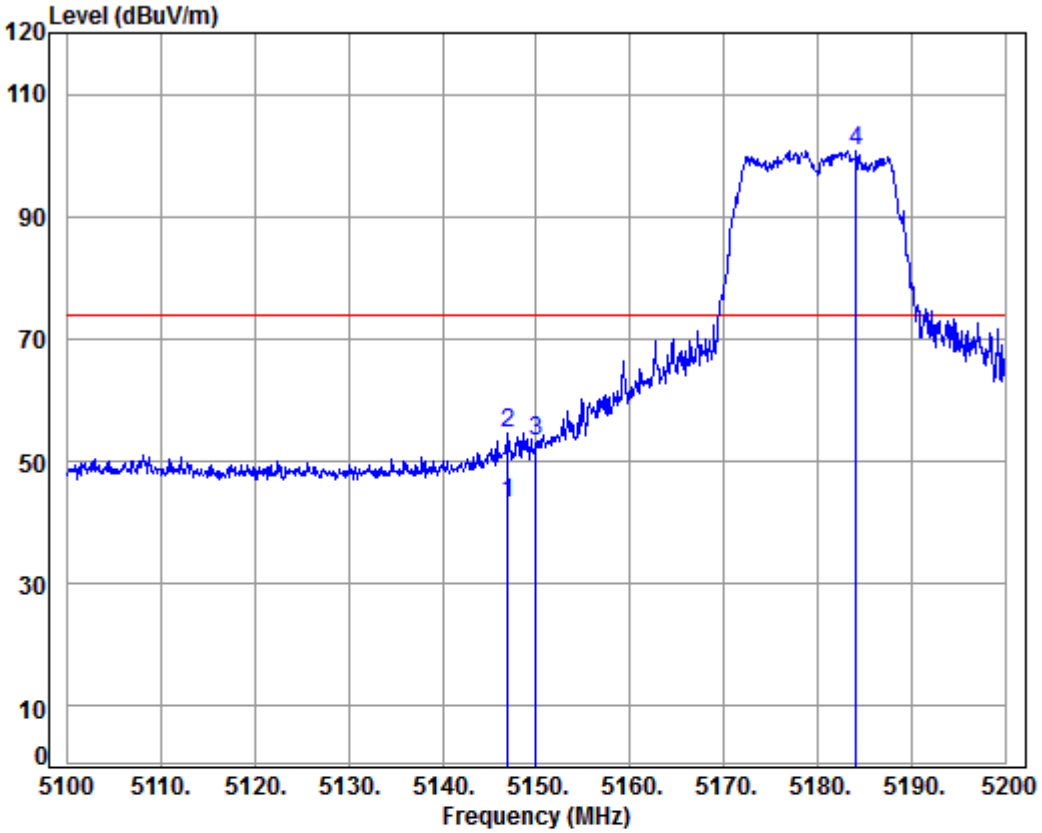
Antenna 1: Mode:d; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-A20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5147.857	8.08	34.47	38.47	37.81	41.89	54.00	-12.11	Average
2	5147.857	8.08	34.47	38.47	52.26	56.34	74.00	-17.66	Peak
3	5150.000	8.08	34.47	38.47	49.53	53.61	74.00	-20.39	Peak
4 pp	5182.359	8.09	34.46	38.46	96.63	100.72	74.00	26.72	Peak

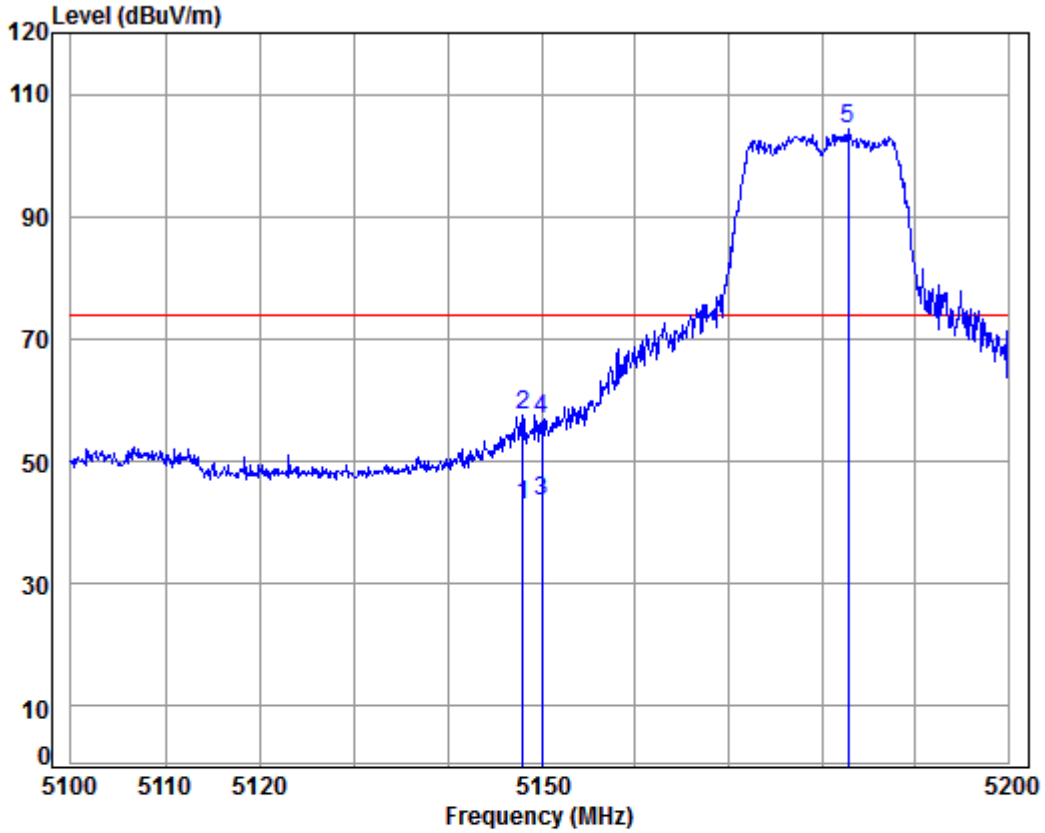
Antenna 2: Mode:d; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-A20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5147.000	8.08	34.47	38.47	39.05	43.13	54.00	-10.87	Average
2	5147.000	8.08	34.47	38.47	50.51	54.59	74.00	-19.41	Peak
3	5150.000	8.08	34.47	38.47	49.31	53.39	74.00	-20.61	Peak
4 pp	5184.100	8.09	34.46	38.46	96.76	100.85	74.00	26.85	Peak

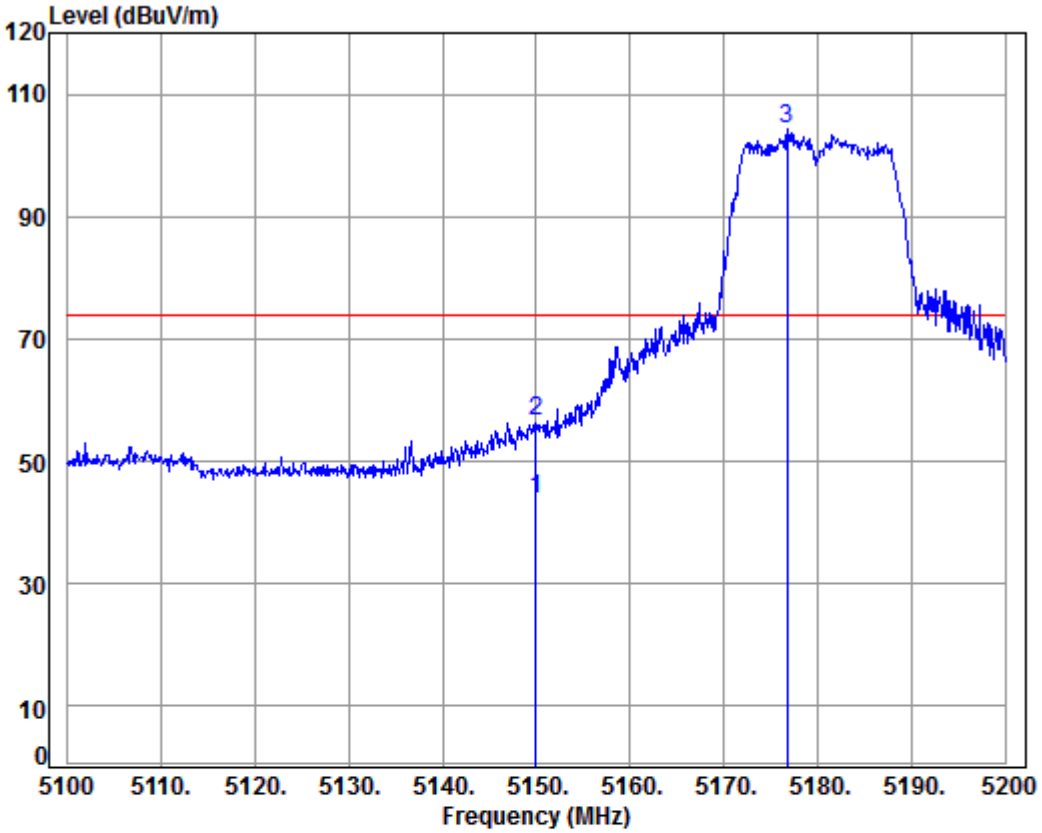
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-A20 Antenna1

	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	5147.958	8.08	34.47	38.47	38.71	42.79	54.00	-11.21	Average
2	5147.958	8.08	34.47	38.47	53.32	57.40	74.00	-16.60	Peak
3 av	5150.000	8.08	34.47	38.47	39.33	43.41	54.00	-10.59	Average
4	5150.000	8.08	34.47	38.47	52.66	56.74	74.00	-17.26	Peak
5 pp	5182.762	8.09	34.46	38.46	100.19	104.28	74.00	30.28	Peak

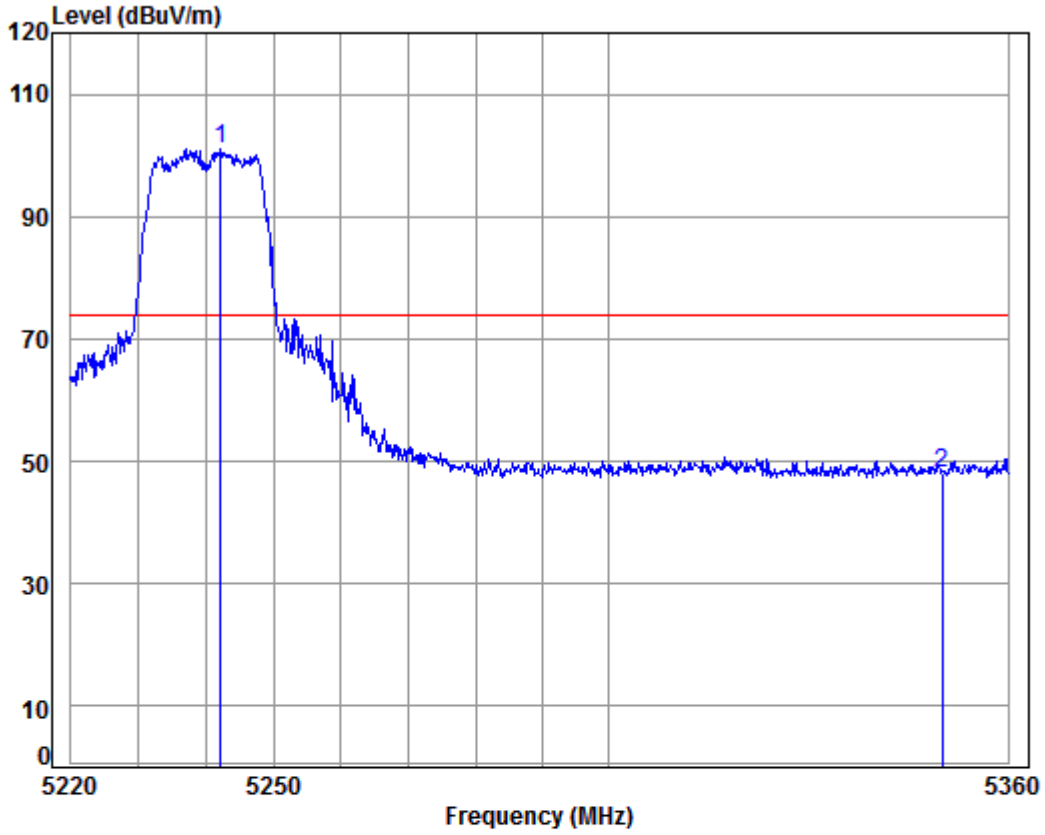
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-A20Antenna2

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av	5150.000	8.08	34.47	38.47	39.71	43.79	54.00	-10.21	Average
2		5150.000	8.08	34.47	38.47	52.44	56.52	74.00	-17.48	Peak
3	pp	5176.700	8.09	34.46	38.46	100.23	104.32	74.00	30.32	Peak

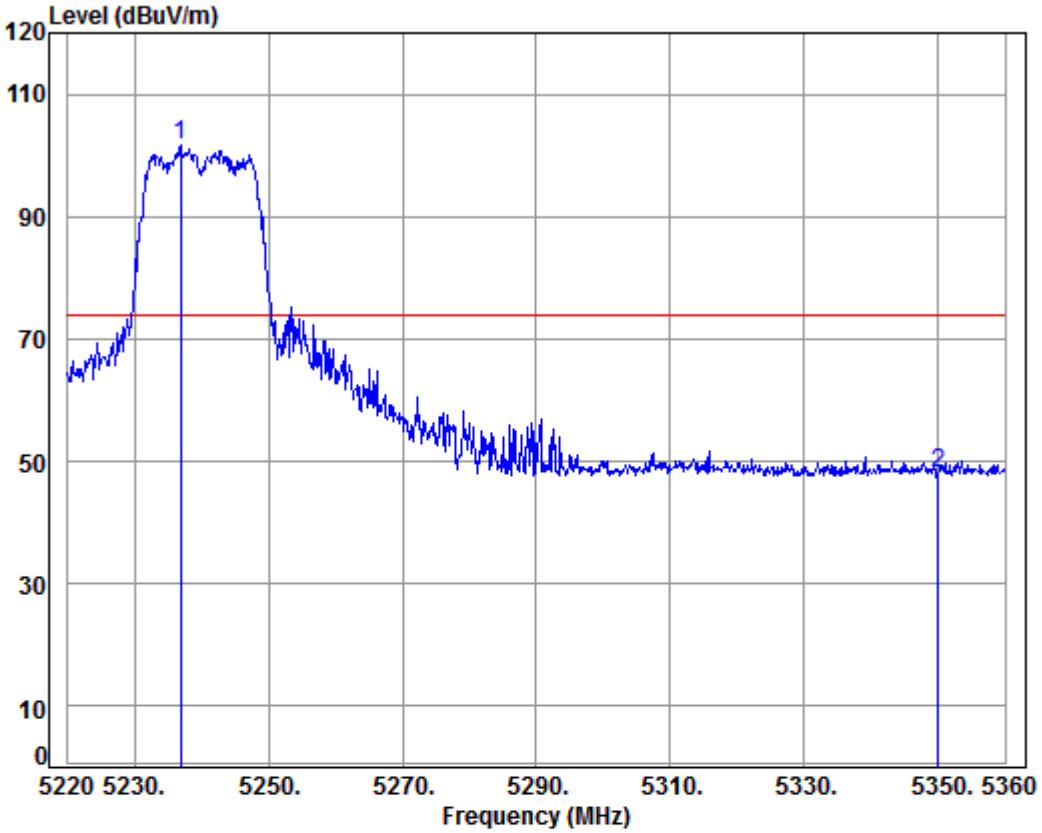
Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-A20 Antenna1

	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	5242.152	8.12	34.45	38.45	96.86	100.98	74.00	26.98	Peak
2	5350.000	8.18	34.43	38.43	43.75	47.93	74.00	-26.07	Peak

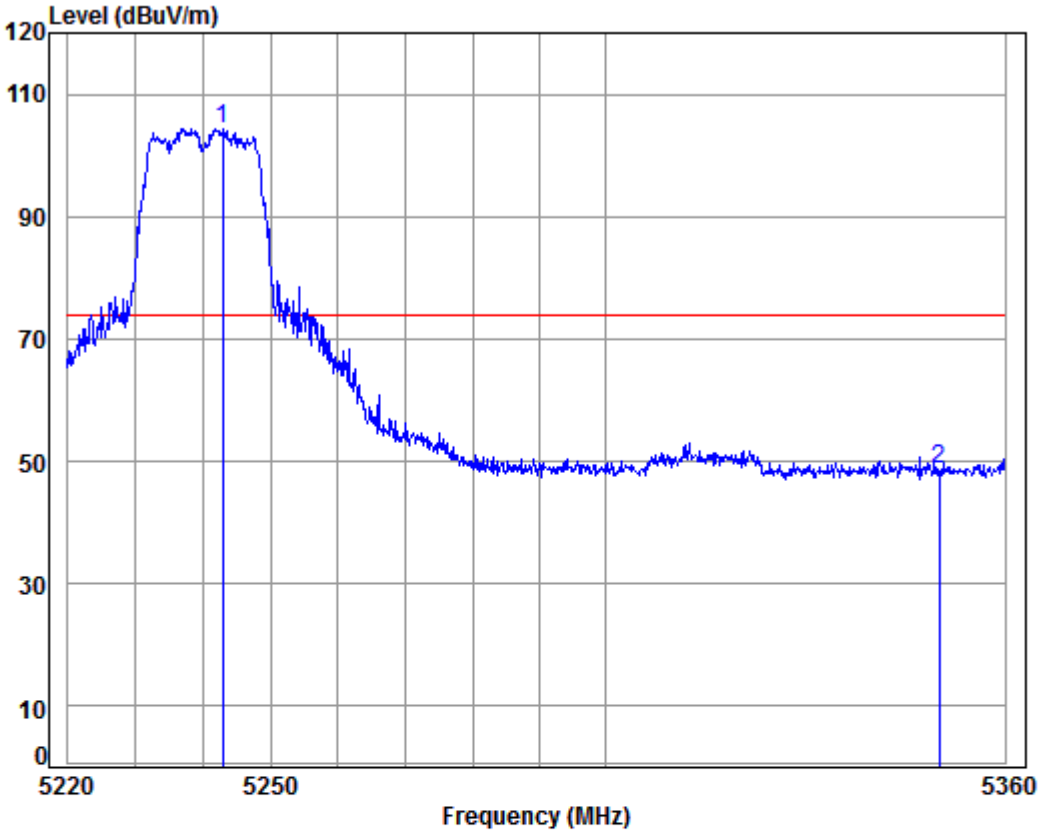
Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-A20Antenna2

	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	5236.800	8.12	34.45	38.45	97.62	101.74	74.00	27.74	Peak
2	5350.000	8.18	34.43	38.43	43.97	48.15	74.00	-25.85	Peak

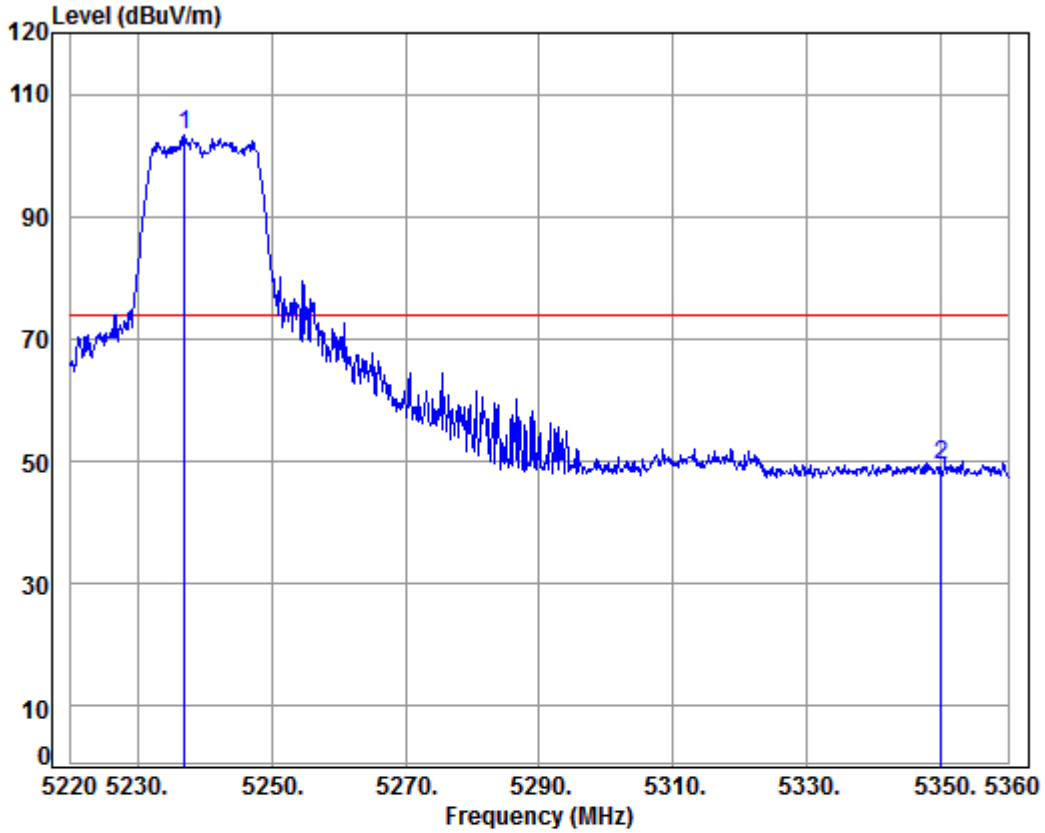
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-A20 Antenna1

	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	5242.846	8.12	34.45	38.45	100.35	104.47	74.00	30.47	Peak
2	5350.000	8.18	34.43	38.43	44.51	48.69	74.00	-25.31	Peak

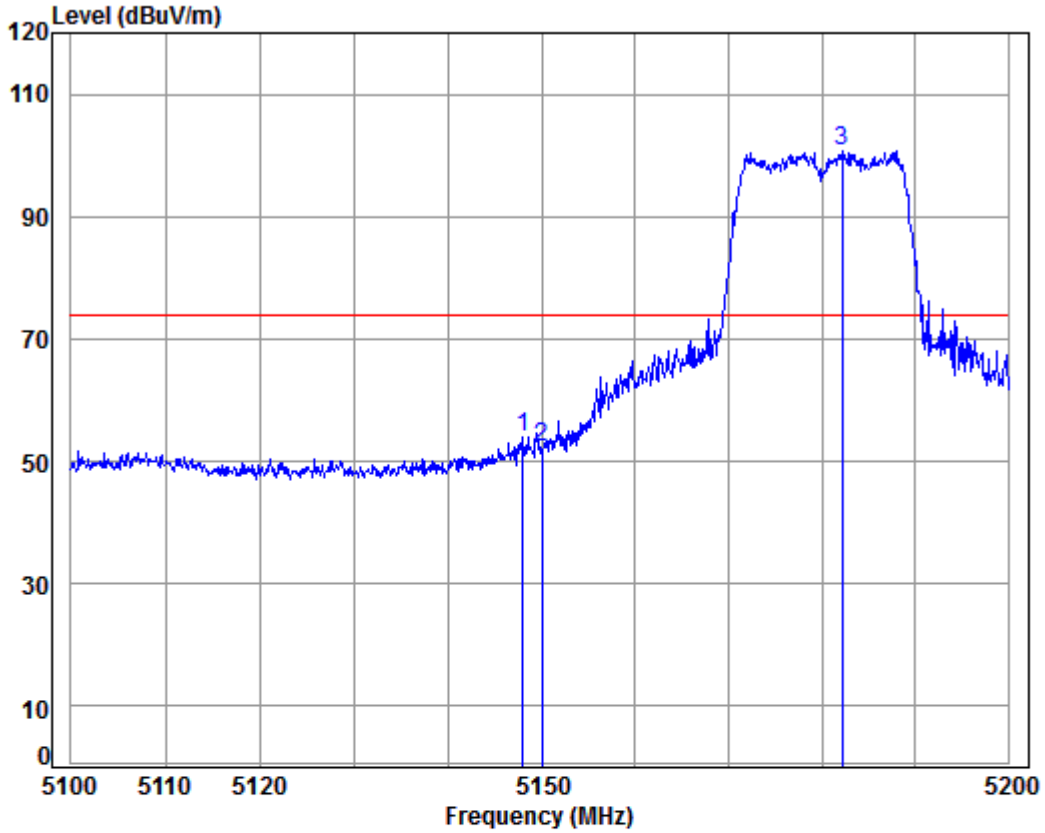
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-A20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5237.080	8.12	34.45	38.45	99.08	103.20	74.00	29.20	Peak
2	5350.000	8.18	34.43	38.43	45.29	49.47	74.00	-24.53	Peak

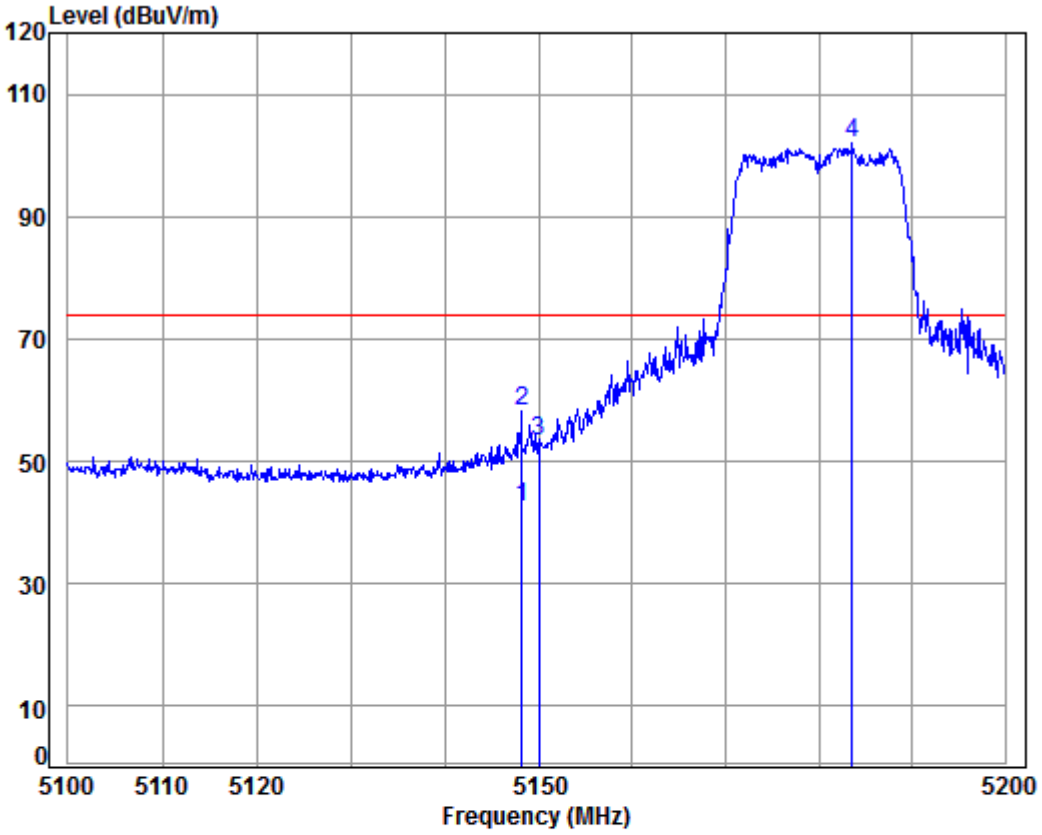
Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-N20 Antenna1

	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	5147.958	8.08	34.47	38.47	49.91	53.99	74.00	-20.01	Peak
2	5150.000	8.08	34.47	38.47	48.16	52.24	74.00	-21.76	Peak
3 pp	5182.158	8.09	34.46	38.46	96.61	100.70	74.00	26.70	Peak

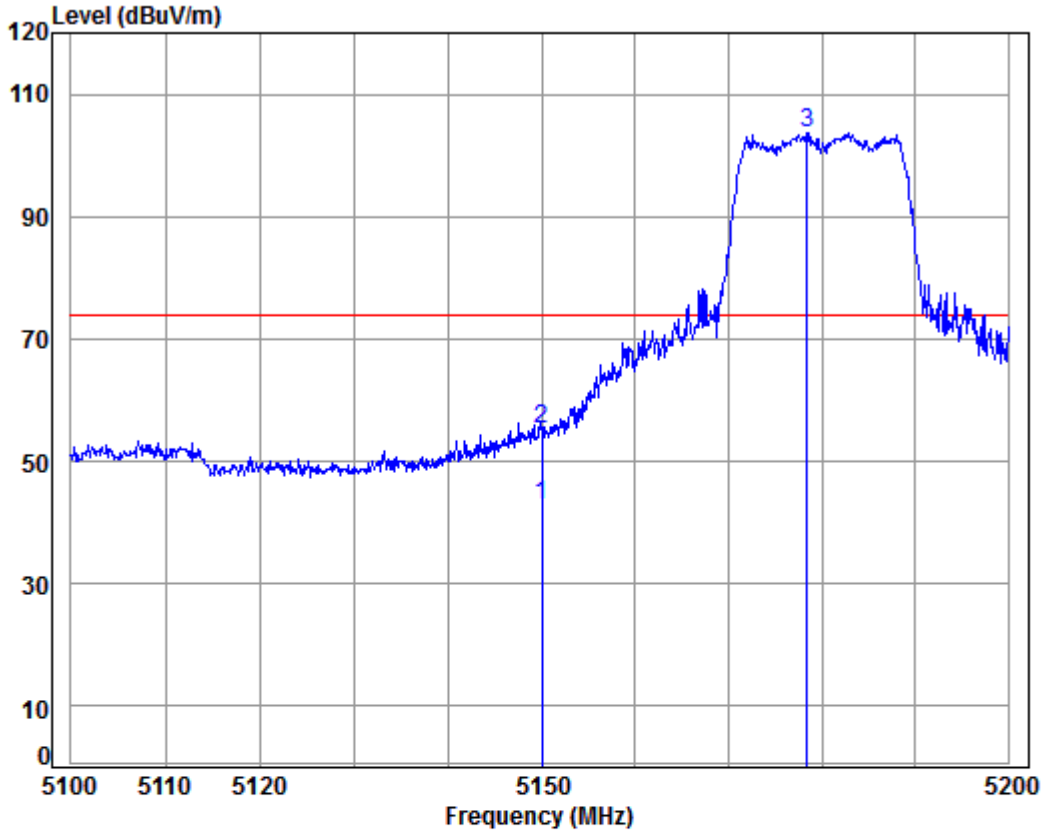
Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-N20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5148.158	8.08	34.47	38.47	38.55	42.63	54.00	-11.37	Average
2	5148.158	8.08	34.47	38.47	54.00	58.08	74.00	-15.92	Peak
3	5150.000	8.08	34.47	38.47	49.31	53.39	74.00	-20.61	Peak
4 pp	5183.567	8.09	34.46	38.46	97.99	102.08	74.00	28.08	Peak

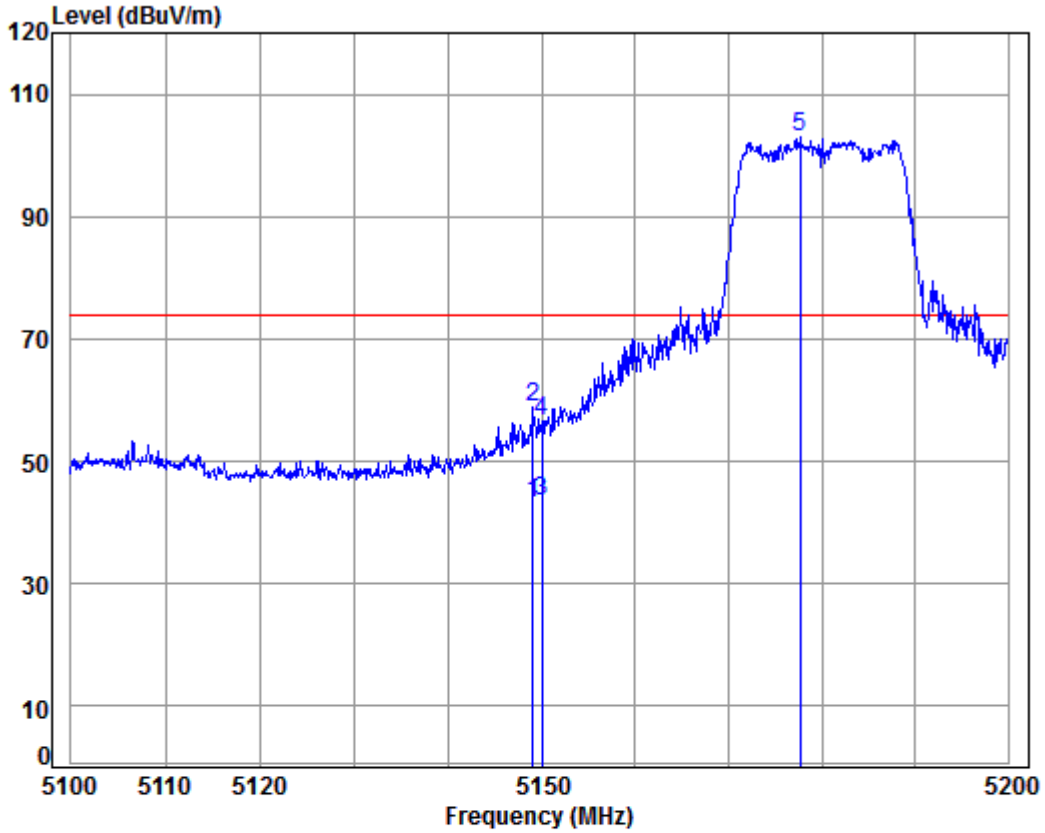
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-N20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5150.000	8.08	34.47	38.47	38.77	42.85	54.00	-11.15	Average
2	5150.000	8.08	34.47	38.47	51.21	55.29	74.00	-18.71	Peak
3 pp	5178.437	8.09	34.46	38.46	99.59	103.68	74.00	29.68	Peak

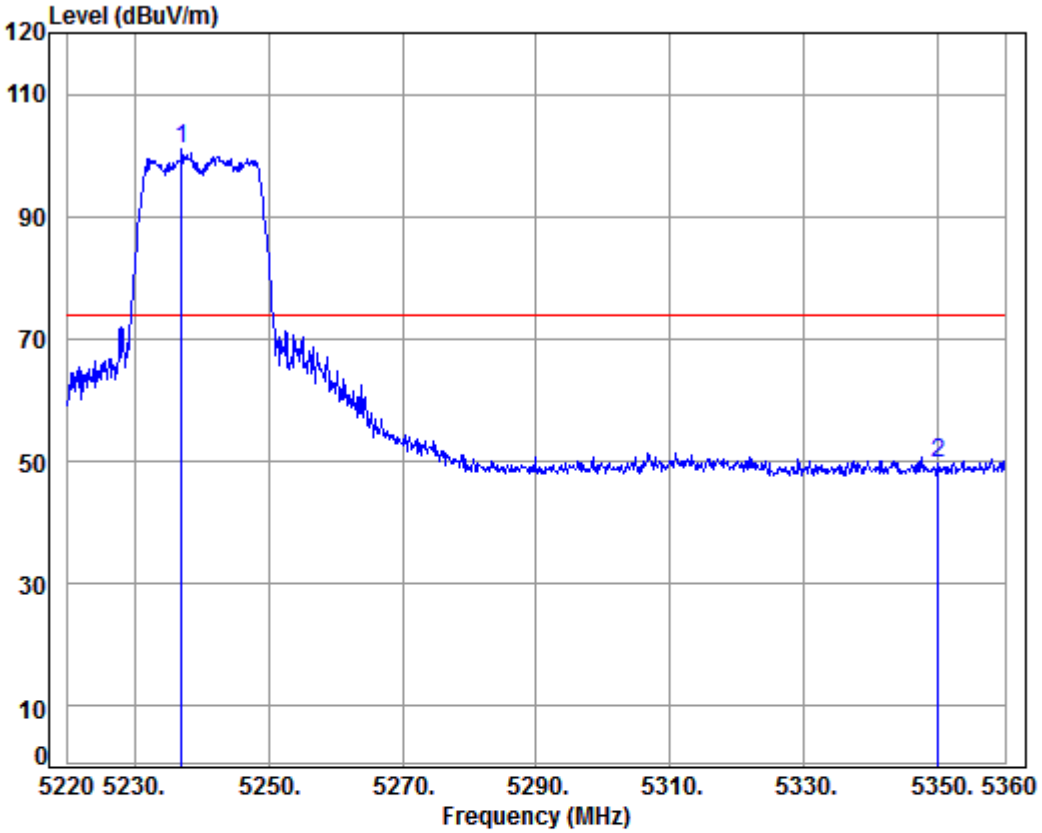
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-N20Antenna2

	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	5149.057	8.08	34.47	38.47	39.03	43.11	54.00	-10.89	Average
2	5149.057	8.08	34.47	38.47	54.70	58.78	74.00	-15.22	Peak
3 av	5150.000	8.08	34.47	38.47	39.32	43.40	54.00	-10.60	Average
4	5150.000	8.08	34.47	38.47	52.43	56.51	74.00	-17.49	Peak
5 pp	5177.632	8.09	34.46	38.46	98.98	103.07	74.00	29.07	Peak

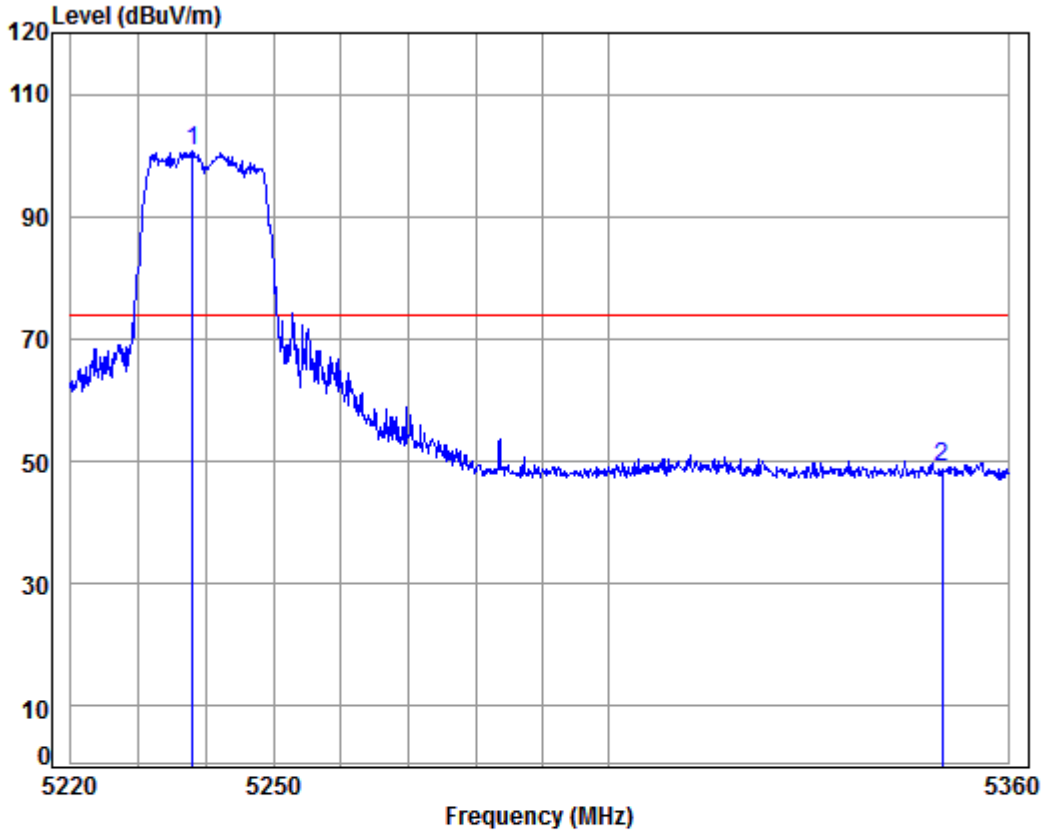
Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-N20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5237.080	8.12	34.45	38.45	96.95	101.07	74.00	27.07	Peak
2	5350.000	8.18	34.43	38.43	45.48	49.66	74.00	-24.34	Peak

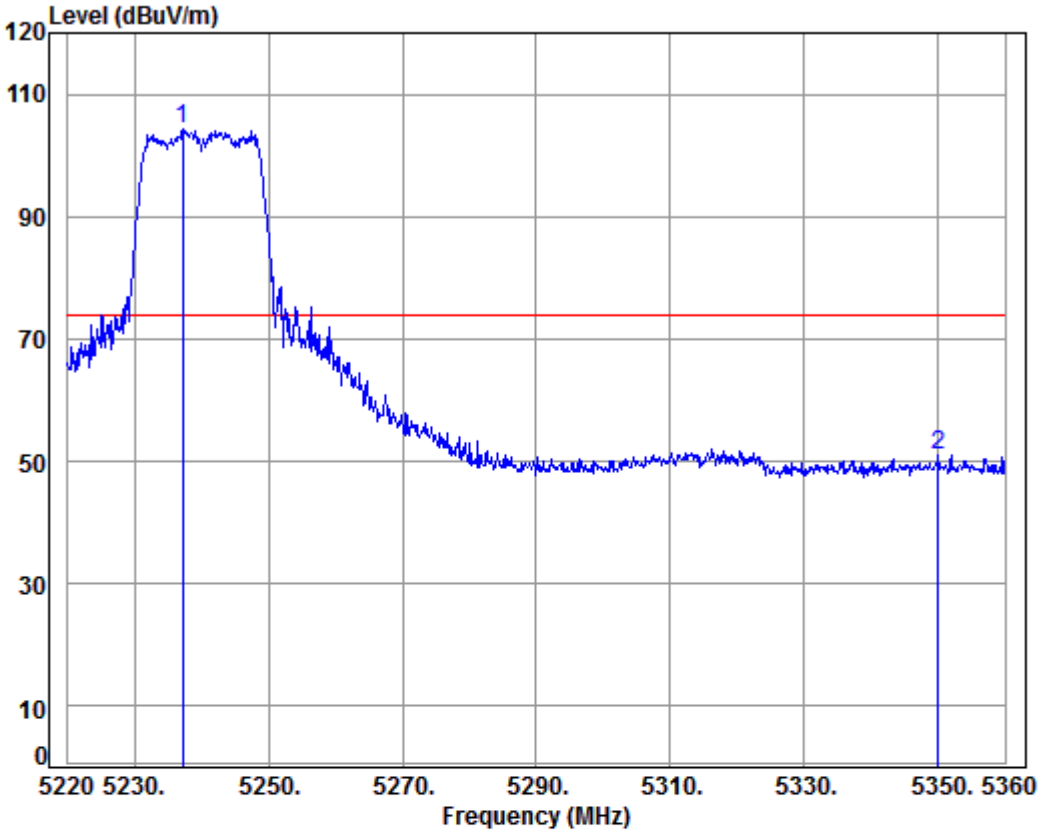
Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-N20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5237.991	8.12	34.45	38.45	96.57	100.69	74.00	26.69	Peak
2	5350.000	8.18	34.43	38.43	45.02	49.20	74.00	-24.80	Peak

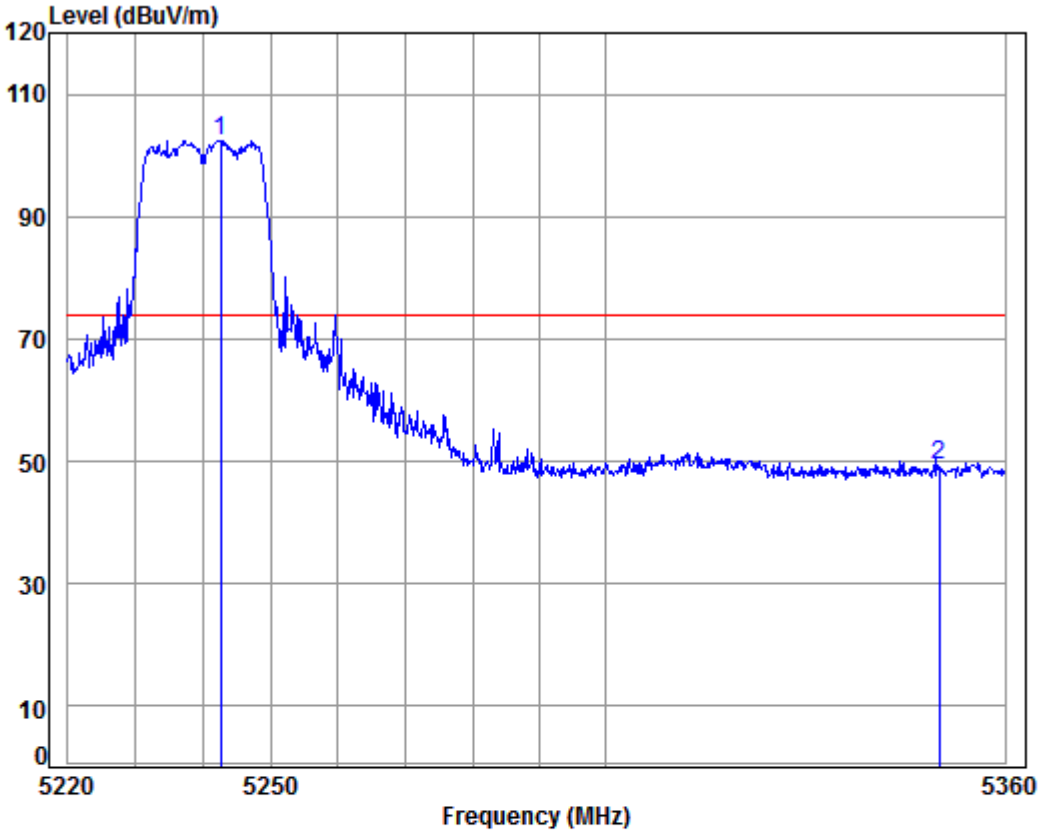
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-N20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5237.220	8.12	34.45	38.45	100.25	104.37	74.00	30.37	Peak
2	5350.000	8.18	34.43	38.43	46.74	50.92	74.00	-23.08	Peak

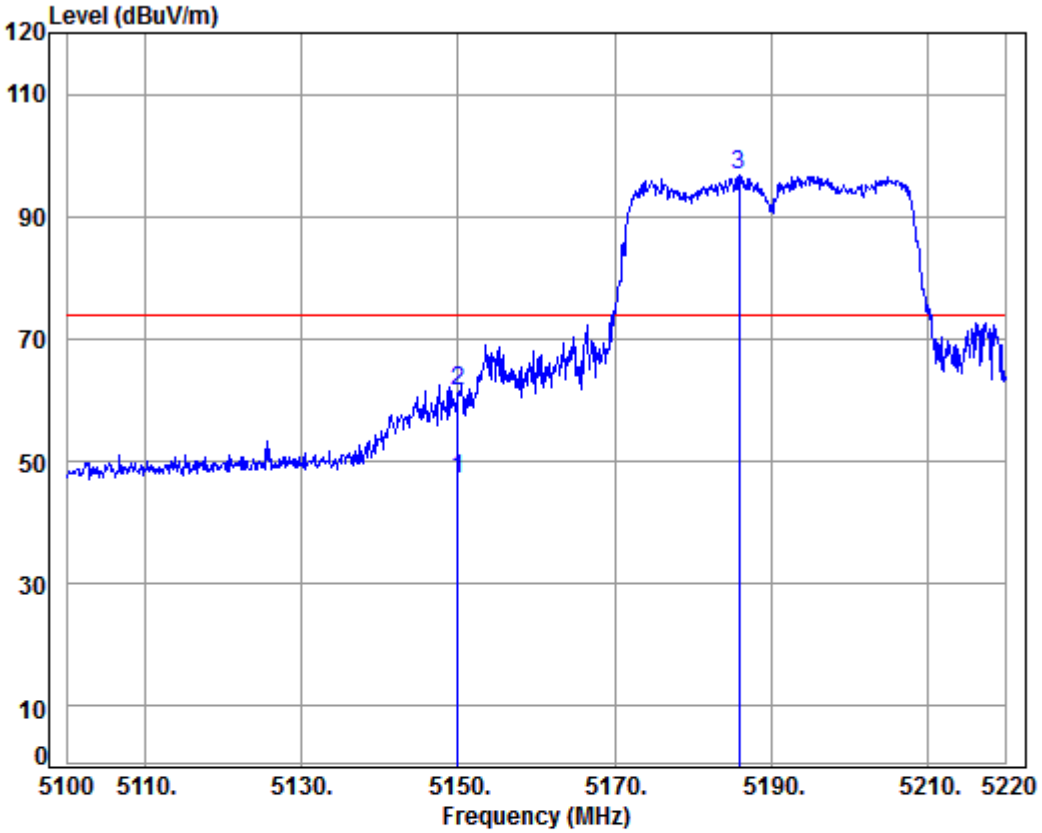
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-N20Antenna2

	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	5242.568	8.12	34.45	38.45	98.30	102.42	74.00	28.42	Peak
2	5350.000	8.18	34.43	38.43	45.31	49.49	74.00	-24.51	Peak

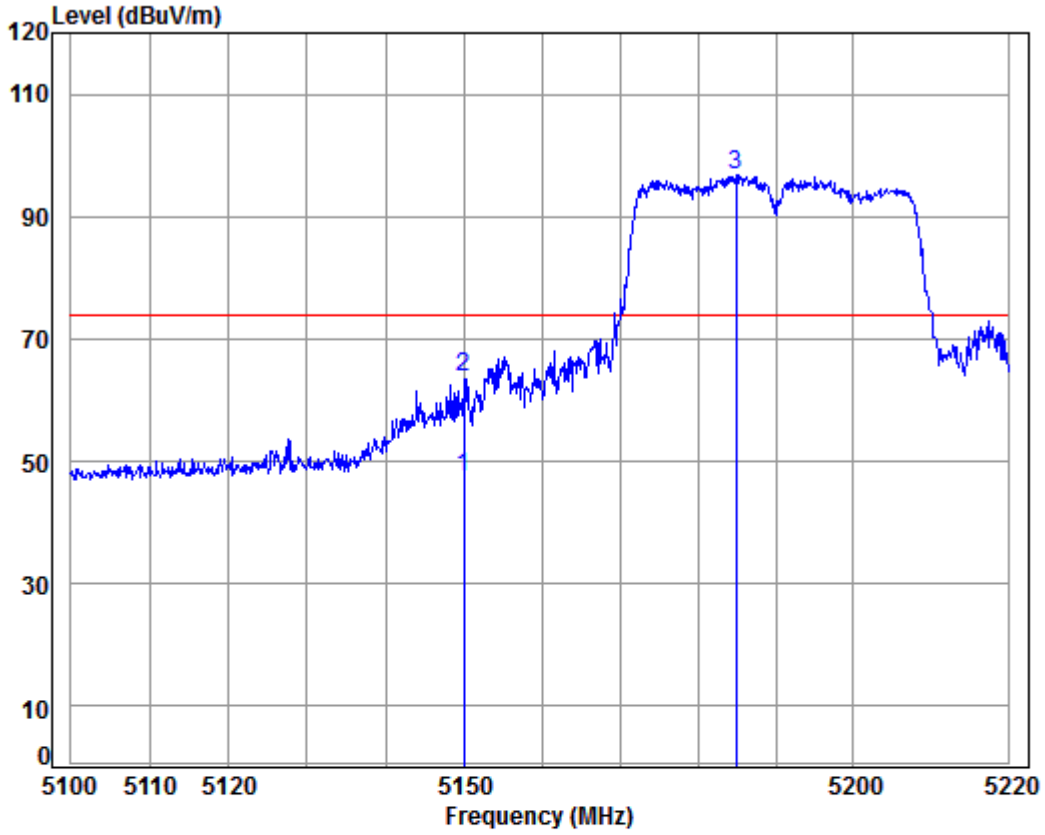
Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5190 Band edge
: 5G WIFI-N40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5150.000	8.08	34.47	38.47	42.87	46.95	54.00	-7.05	Average
2	5150.000	8.08	34.47	38.47	57.27	61.35	74.00	-12.65	Peak
3 pp	5185.920	8.10	34.46	38.46	92.58	96.68	74.00	22.68	Peak

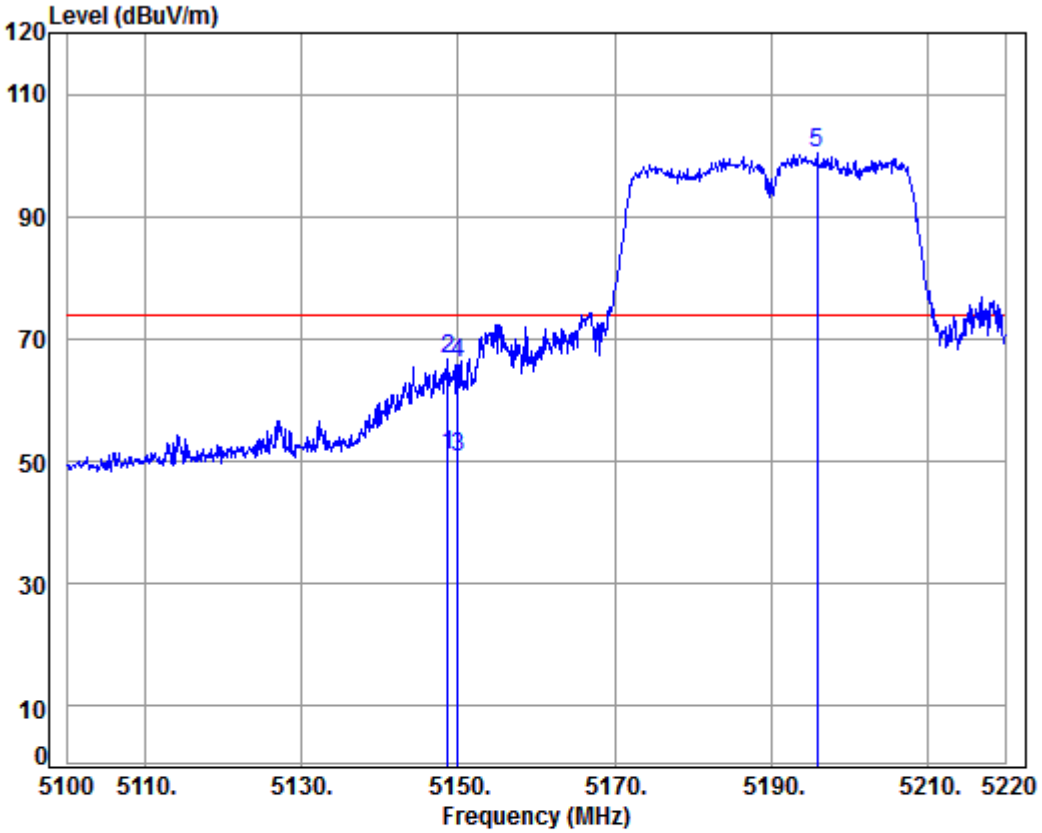
Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5190 Band edge
: 5G WIFI-N40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5150.000	8.08	34.47	38.47	43.18	47.26	54.00	-6.74	Average
2	5150.000	8.08	34.47	38.47	59.74	63.82	74.00	-10.18	Peak
3 pp	5184.912	8.10	34.46	38.46	92.83	96.93	74.00	22.93	Peak

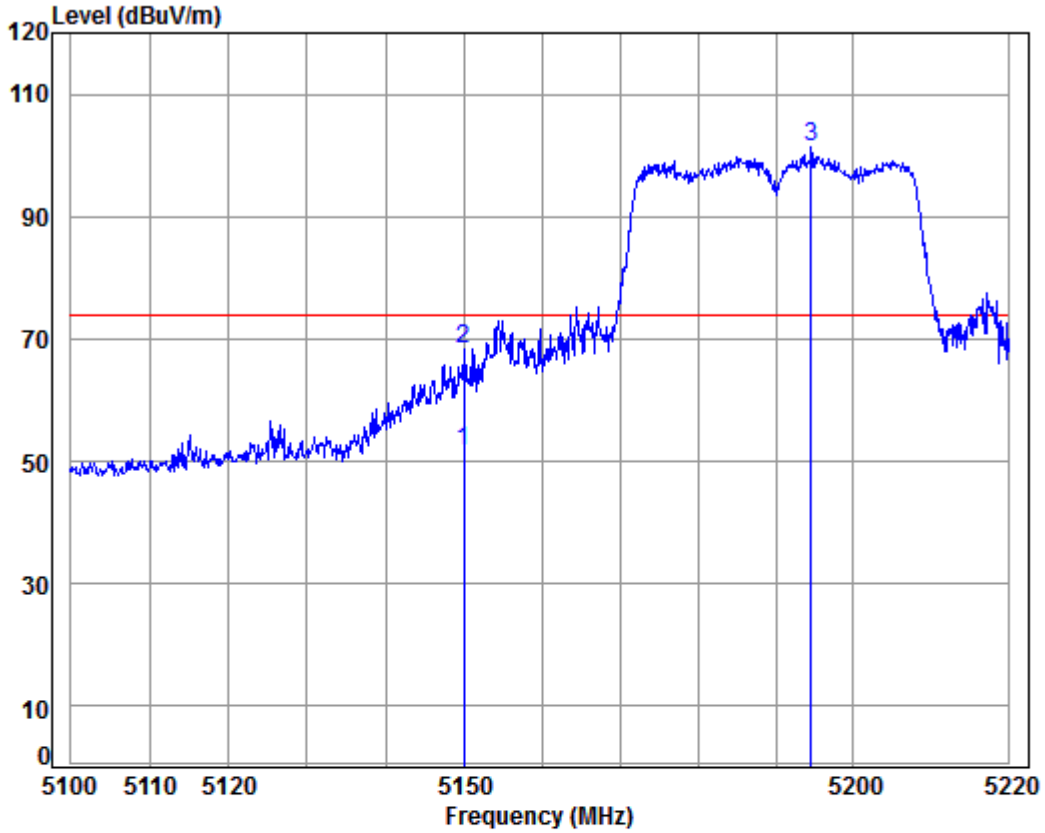
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5190 Band edge
: 5G WIFI-N40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av 5148.720	8.08	34.47	38.47	46.89	50.97	54.00	-3.03	Average
2	5148.720	8.08	34.47	38.47	62.51	66.59	74.00	-7.41	Peak
3	5150.000	8.08	34.47	38.47	46.51	50.59	54.00	-3.41	Average
4	5150.000	8.08	34.47	38.47	62.00	66.08	74.00	-7.92	Peak
5	pp 5196.000	8.10	34.46	38.46	96.29	100.39	74.00	26.39	Peak

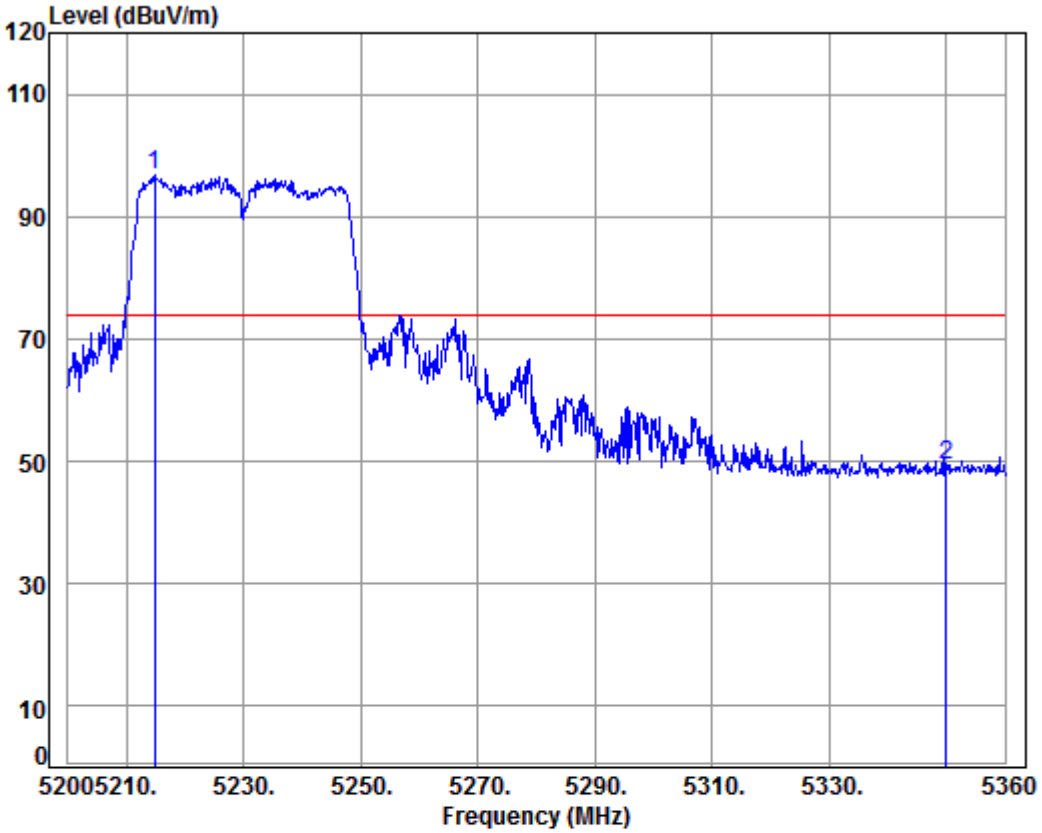
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5190 Band edge
: 5G WIFI-N40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5150.000	8.08	34.47	38.47	47.61	51.69	54.00	-2.31	Average
2	5150.000	8.08	34.47	38.47	64.18	68.26	74.00	-5.74	Peak
3 pp	5194.568	8.10	34.46	38.46	97.21	101.31	74.00	27.31	Peak

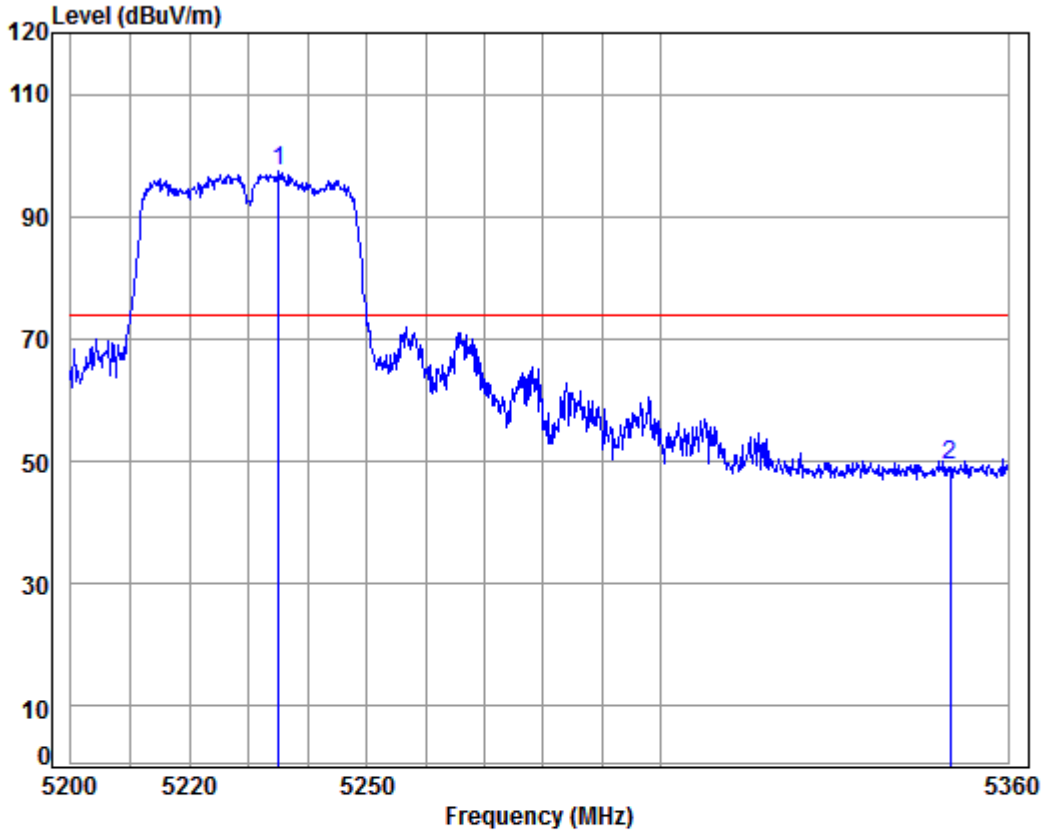
Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5230 Band edge
: 5G WIFI-N40 Antenna1

	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	5214.880	8.11	34.46	38.46	92.72	96.83	74.00	22.83	Peak
2	5350.000	8.18	34.43	38.43	45.21	49.39	74.00	-24.61	Peak

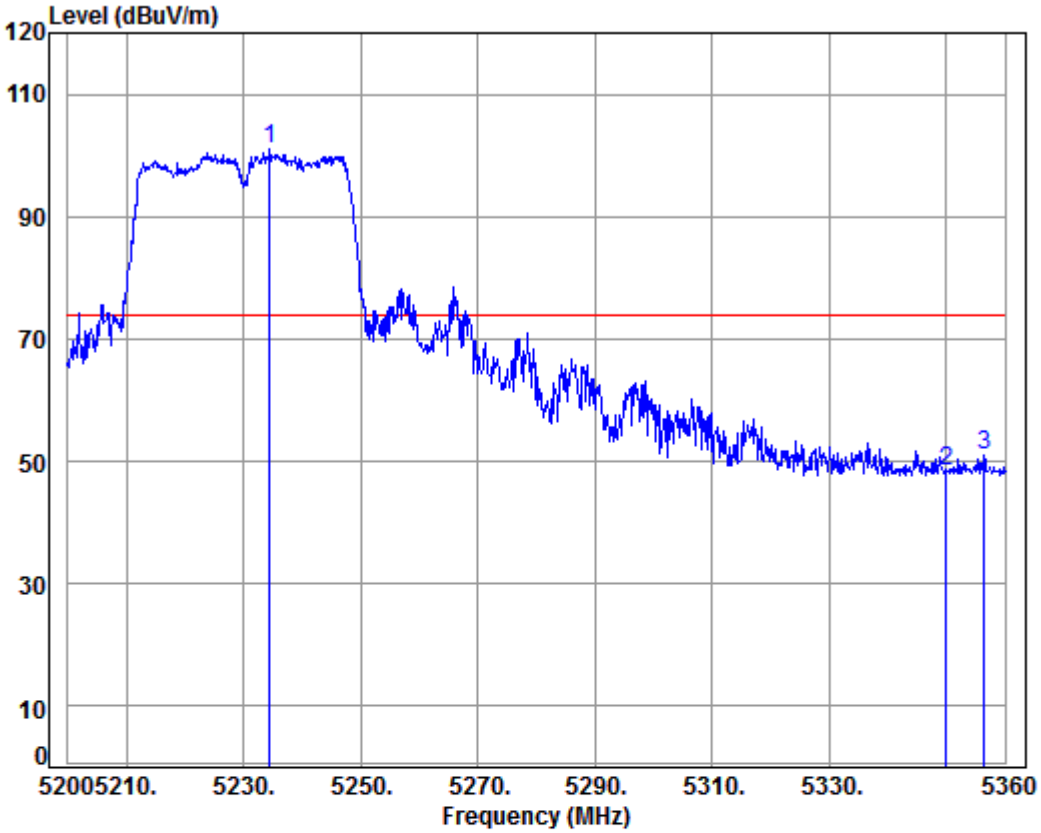
Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5230 Band edge
: 5G WIFI-N40Antenna2

	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	5235.103	8.12	34.45	38.45	93.24	97.36	74.00	23.36	Peak
2	5350.000	8.18	34.43	38.43	45.28	49.46	74.00	-24.54	Peak

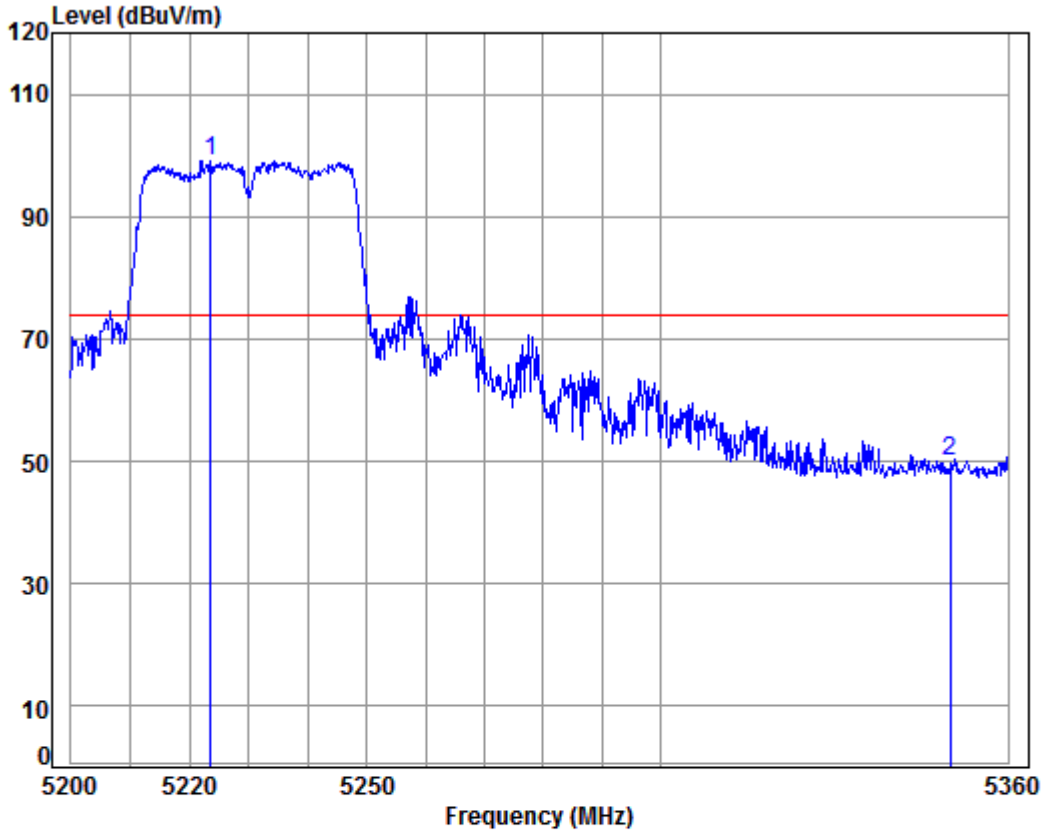
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5230 Band edge
: 5G WIFI-N40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5234.400	8.12	34.45	38.45	96.79	100.91	74.00	26.91	Peak
2	5350.000	8.18	34.43	38.43	44.11	48.29	74.00	-25.71	Peak
3	5356.480	8.18	34.43	38.43	46.69	50.87	74.00	-23.13	Peak

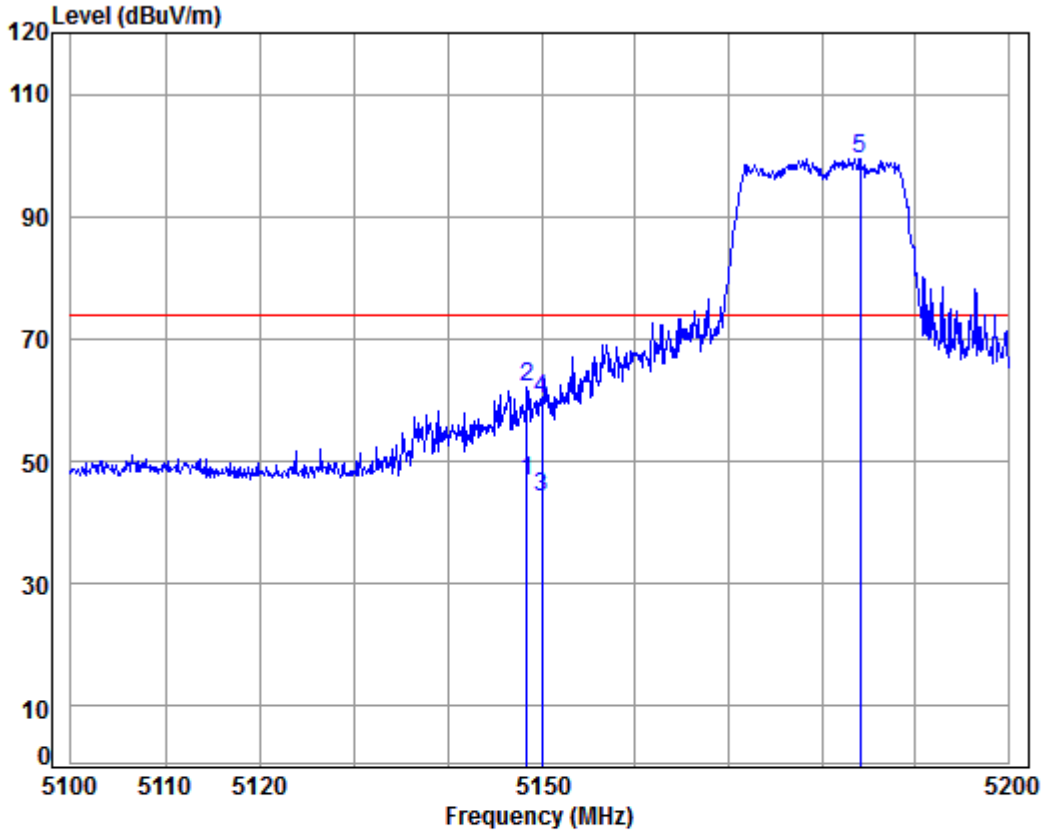
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5230 Band edge
: 5G WIFI-N40Antenna2

	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	5223.534	8.11	34.45	38.46	95.13	99.23	74.00	25.23	Peak
2	5350.000	8.18	34.43	38.43	45.78	49.96	74.00	-24.04	Peak

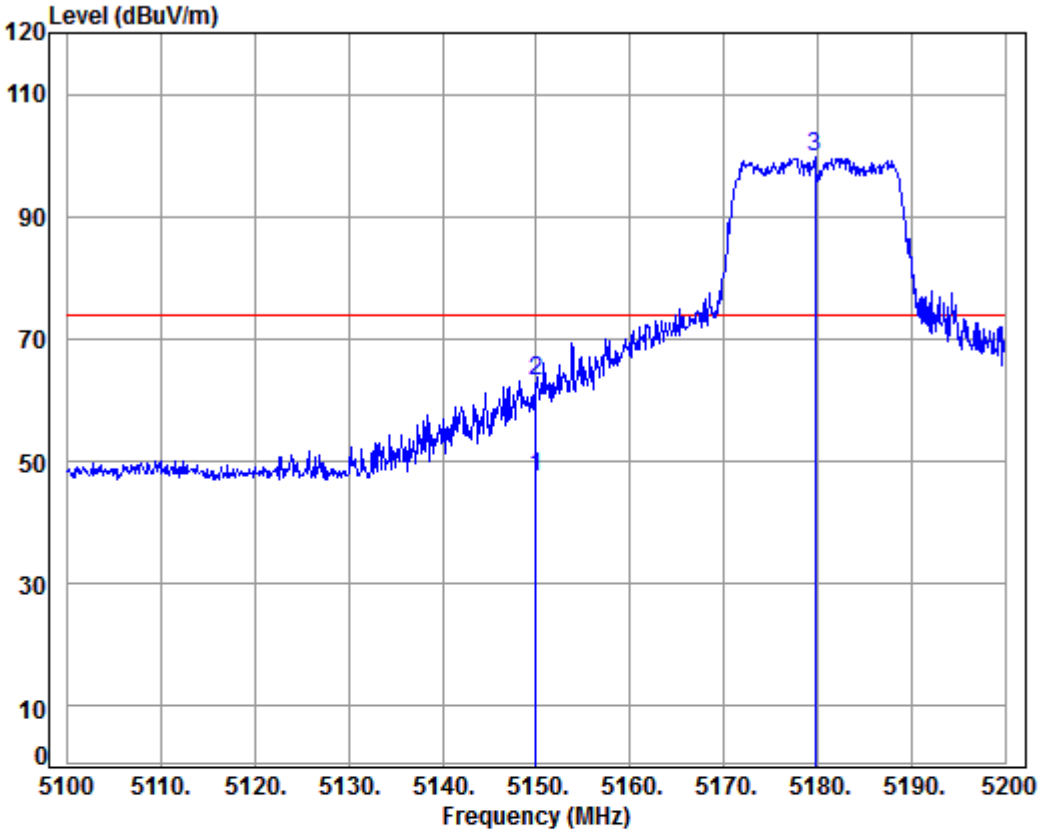
Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-AC20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5148.458	8.08	34.47	38.47	42.57	46.65	54.00	-7.35	Average
2	5148.458	8.08	34.47	38.47	57.95	62.03	74.00	-11.97	Peak
3	5150.000	8.08	34.47	38.47	40.13	44.21	54.00	-9.79	Average
4	5150.000	8.08	34.47	38.47	56.03	60.11	74.00	-13.89	Peak
5 pp	5184.070	8.09	34.46	38.46	95.35	99.44	74.00	25.44	Peak

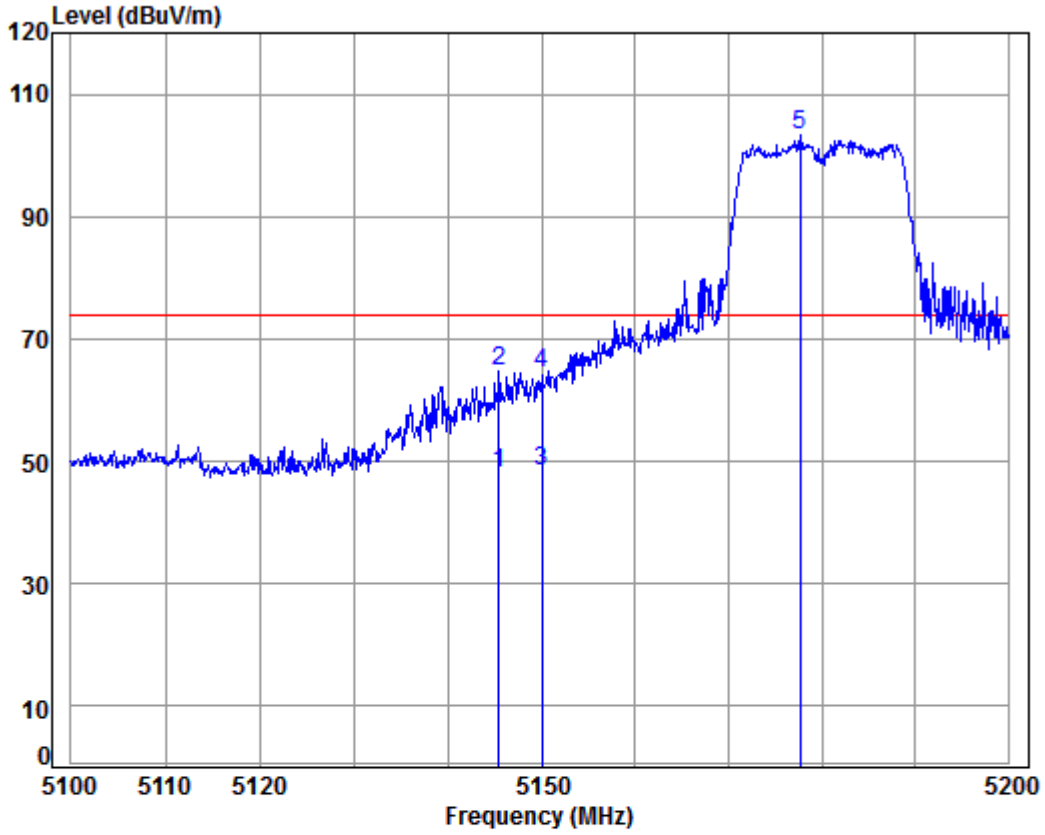
Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-AC20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5150.000	8.08	34.47	38.47	43.37	47.45	54.00	-6.55	Average
2	5150.000	8.08	34.47	38.47	59.08	63.16	74.00	-10.84	Peak
3 pp	5179.700	8.09	34.46	38.46	95.76	99.85	74.00	25.85	Peak

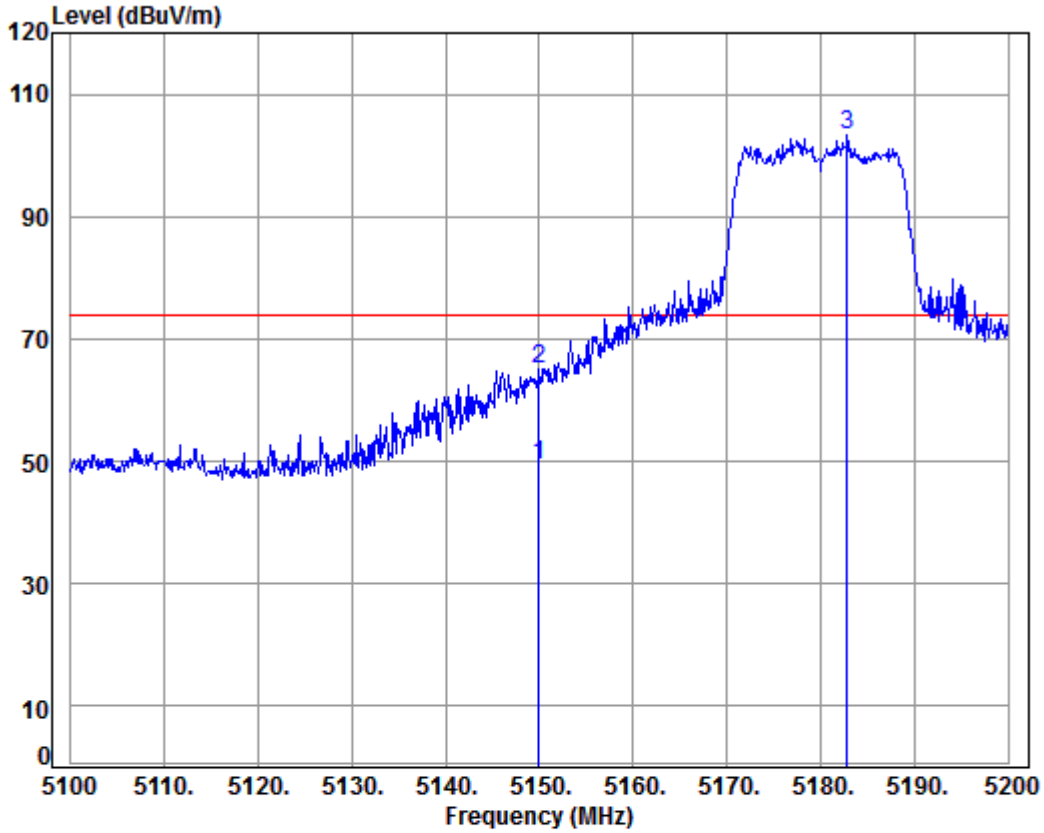
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-AC20 Antenna1

	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	5145.459	8.08	34.47	38.47	44.14	48.22	54.00	-5.78	Average
2	5145.459	8.08	34.47	38.47	60.79	64.87	74.00	-9.13	Peak
3 av	5150.000	8.08	34.47	38.47	44.43	48.51	54.00	-5.49	Average
4	5150.000	8.08	34.47	38.47	60.39	64.47	74.00	-9.53	Peak
5 pp	5177.632	8.09	34.46	38.46	99.18	103.27	74.00	29.27	Peak

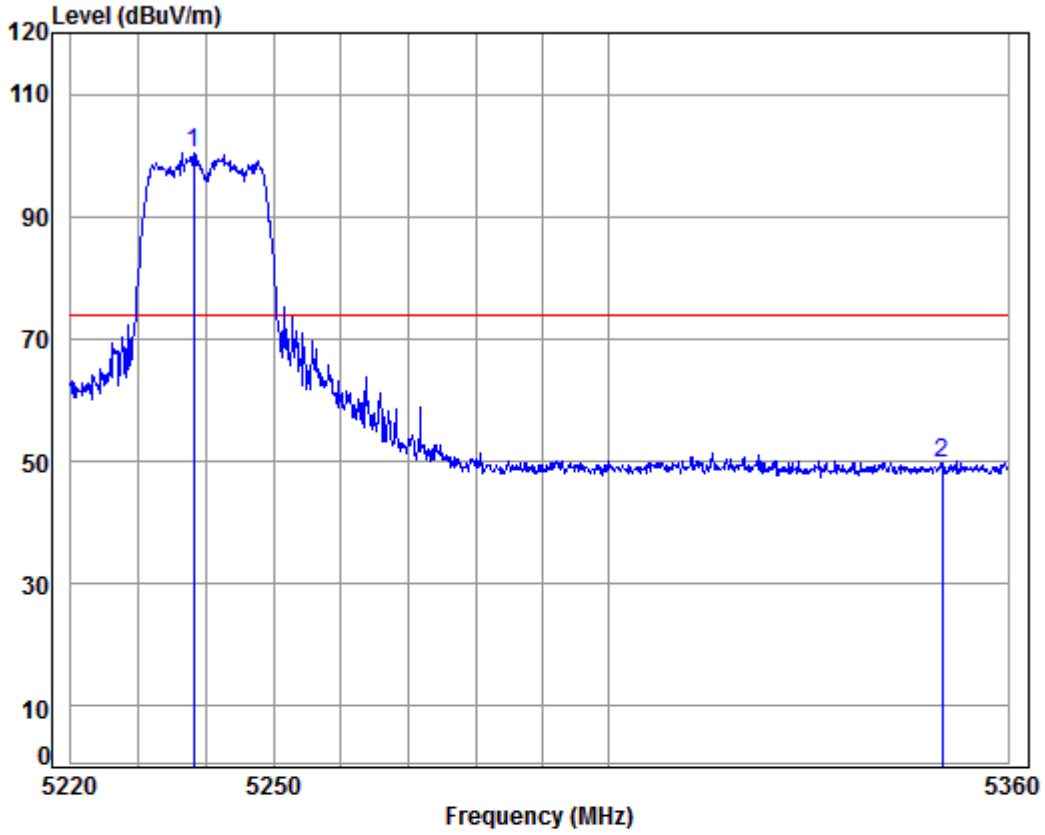
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5180 Band edge
: 5G WIFI-AC20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5150.000	8.08	34.47	38.47	45.29	49.37	54.00	-4.63	Average
2	5150.000	8.08	34.47	38.47	60.98	65.06	74.00	-8.94	Peak
3 pp	5182.800	8.09	34.46	38.46	99.28	103.37	74.00	29.37	Peak

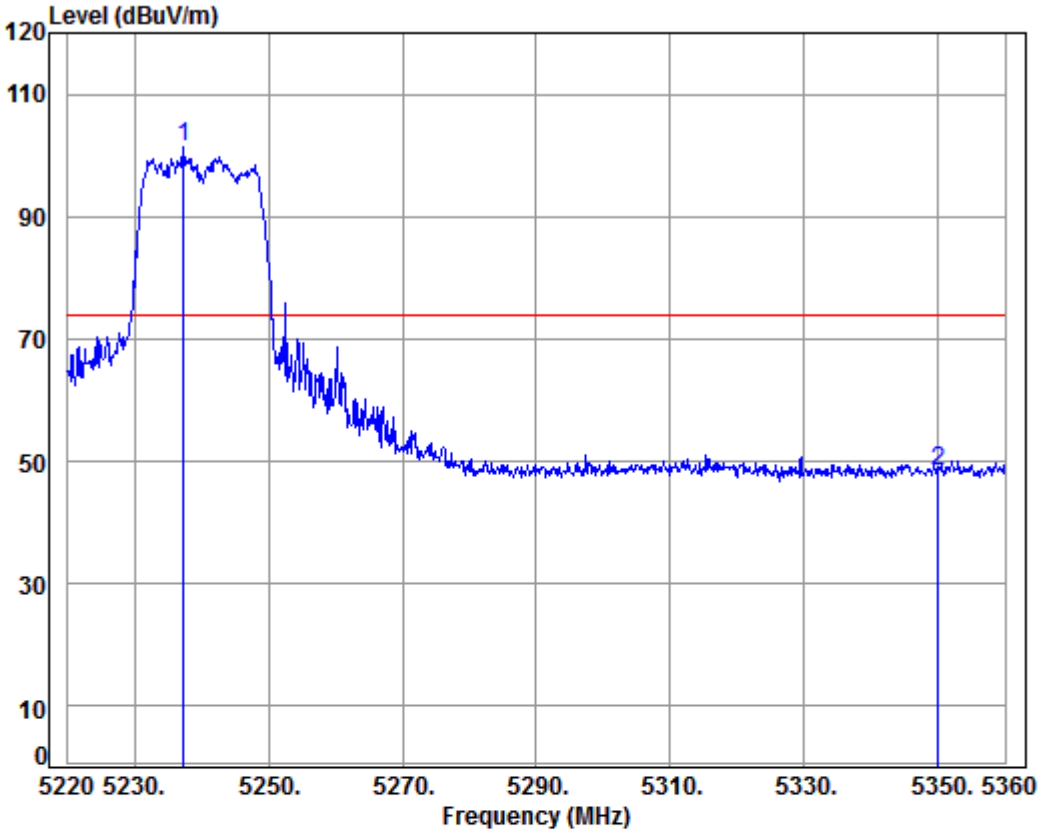
Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-AC20 Antenna1

	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	5238.130	8.12	34.45	38.45	96.40	100.52	74.00	26.52	Peak
2	5350.000	8.18	34.43	38.43	45.66	49.84	74.00	-24.16	Peak

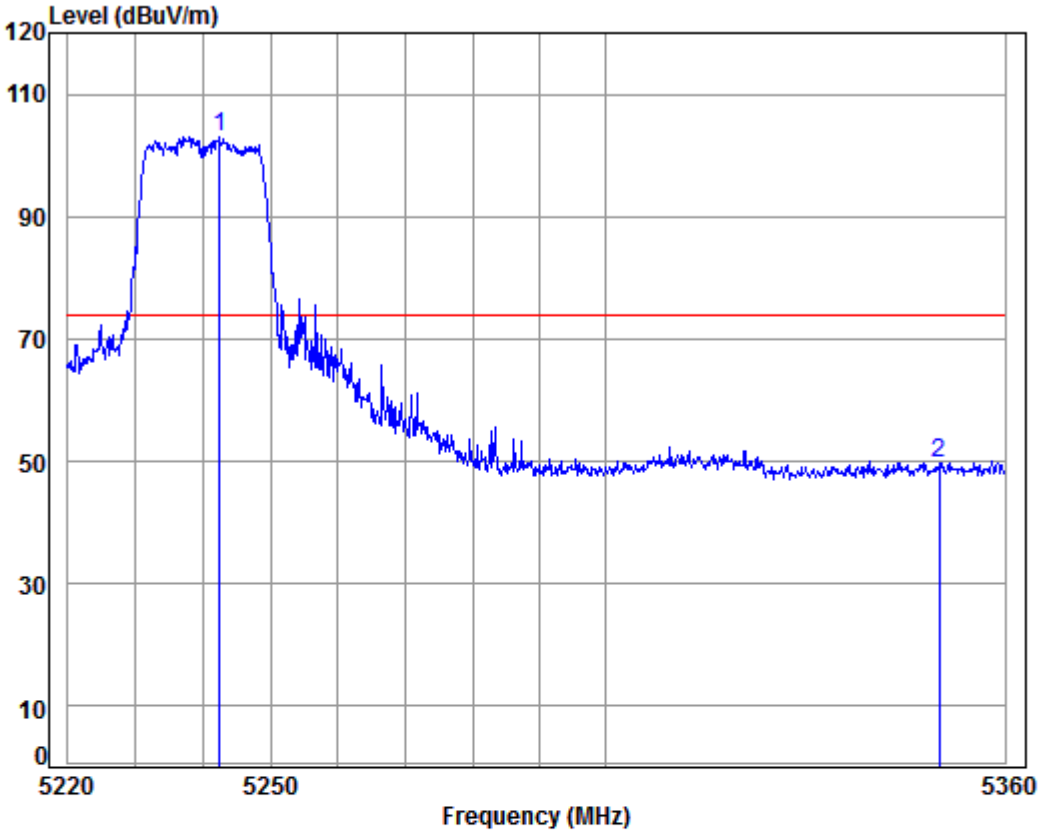
Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-AC20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5237.360	8.12	34.45	38.45	97.25	101.37	74.00	27.37	Peak
2	5350.000	8.18	34.43	38.43	44.07	48.25	74.00	-25.75	Peak

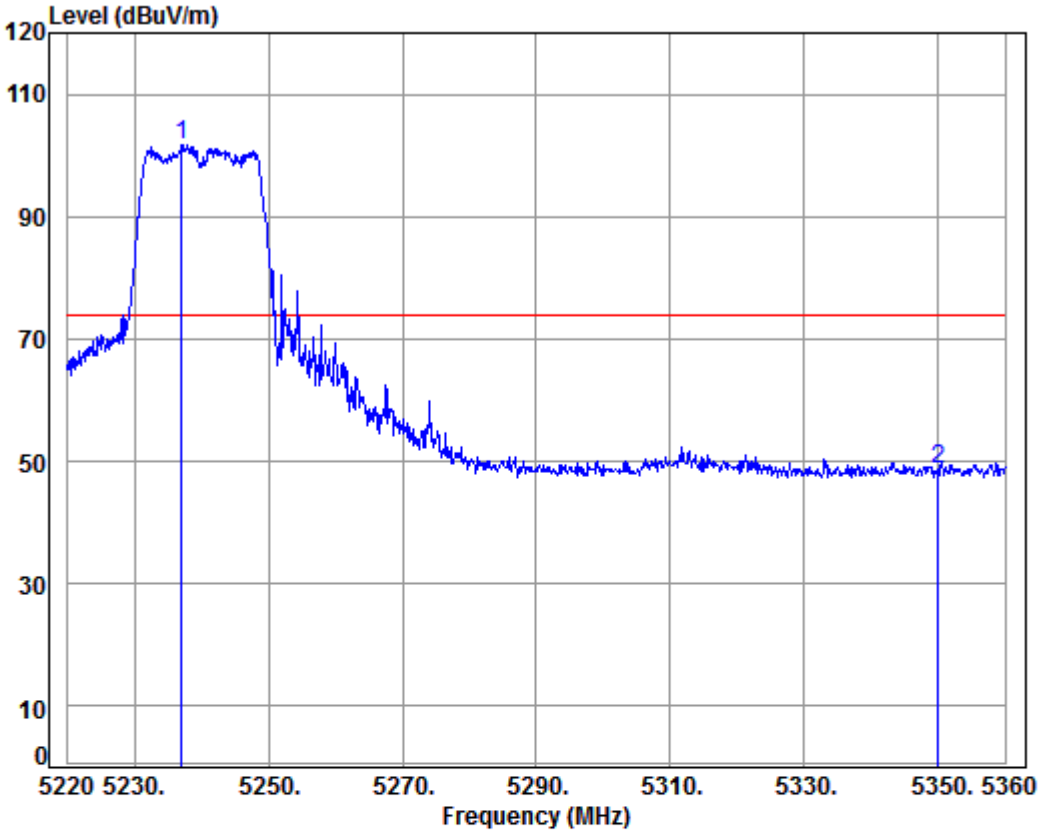
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-AC20 Antenna1

	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	5242.429	8.12	34.45	38.45	98.92	103.04	74.00	29.04	Peak
2	5350.000	8.18	34.43	38.43	45.43	49.61	74.00	-24.39	Peak

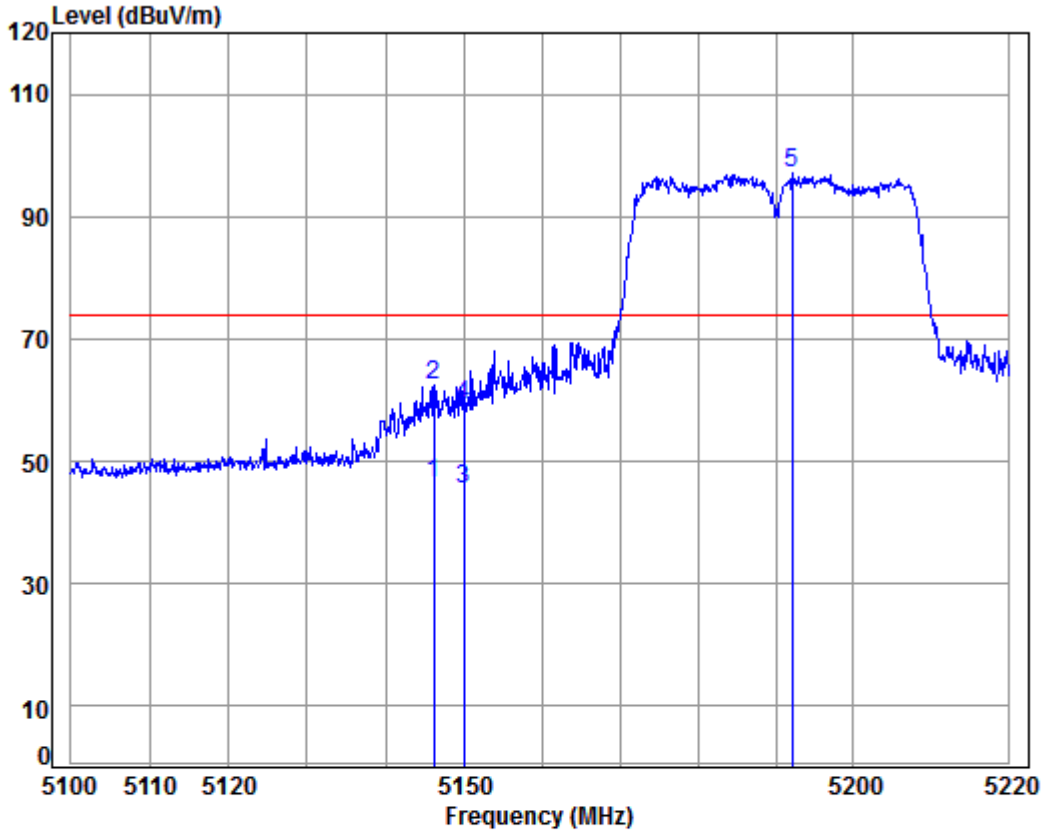
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5240 Band edge
: 5G WIFI-AC20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5237.080	8.12	34.45	38.45	97.65	101.77	74.00	27.77	Peak
2	5350.000	8.18	34.43	38.43	44.50	48.68	74.00	-25.32	Peak

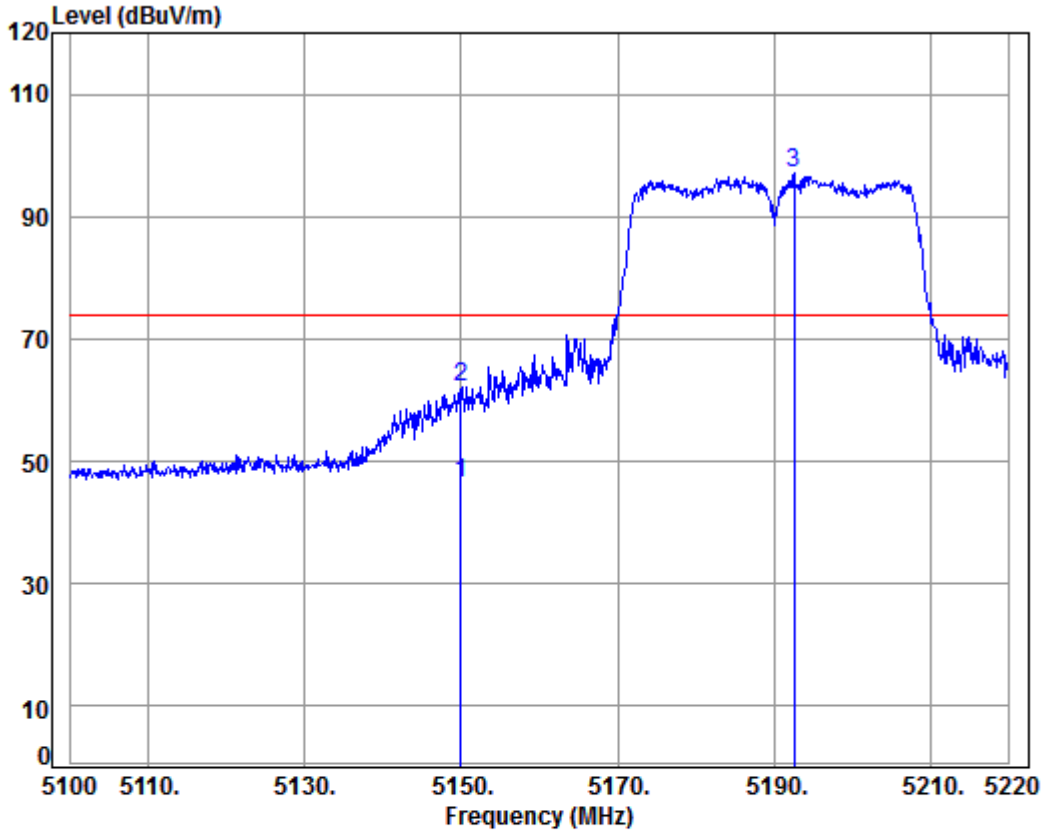
Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5190 Band edge
: 5G WIFI-AC40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5146.109	8.08	34.47	38.47	42.36	46.44	54.00	-7.56	Average
2	5146.109	8.08	34.47	38.47	58.44	62.52	74.00	-11.48	Peak
3	5150.000	8.08	34.47	38.47	41.52	45.60	54.00	-8.40	Average
4	5150.000	8.08	34.47	38.47	55.02	59.10	74.00	-14.90	Peak
5 pp	5192.152	8.10	34.46	38.46	92.85	96.95	74.00	22.95	Peak

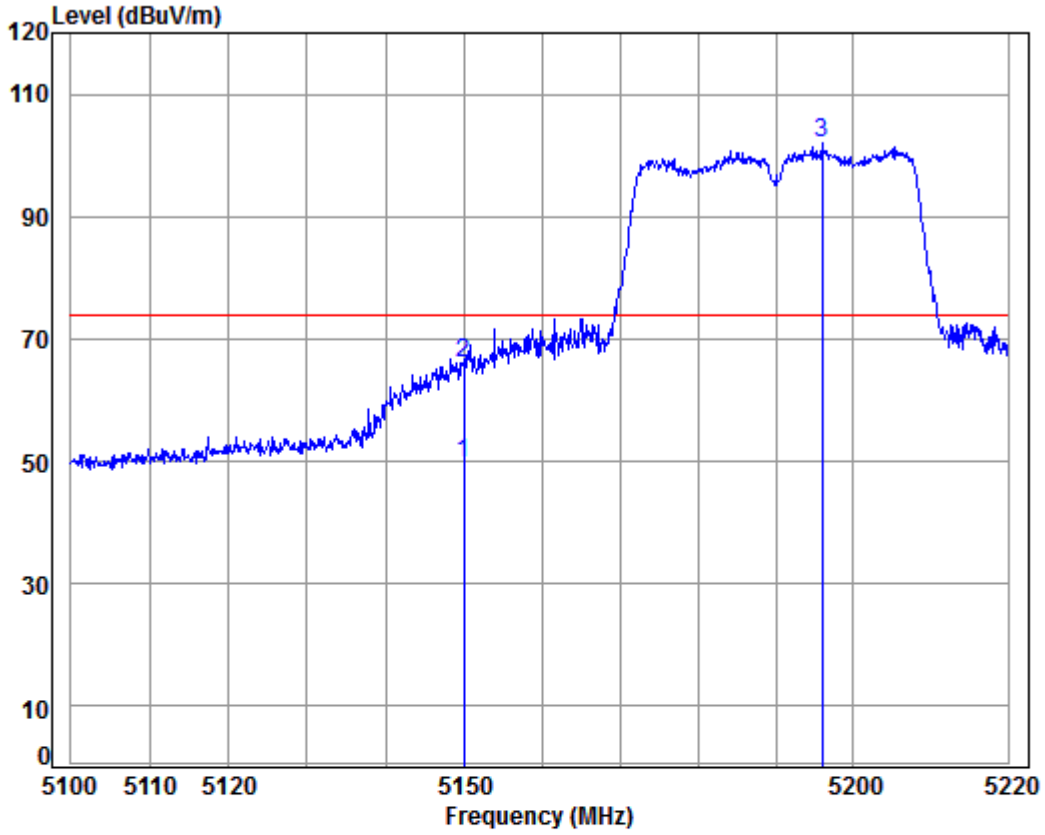
Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5190 Band edge
: 5G WIFI-AC40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5150.000	8.08	34.47	38.47	42.39	46.47	54.00	-7.53	Average
2	5150.000	8.08	34.47	38.47	58.11	62.19	74.00	-11.81	Peak
3 pp	5192.640	8.10	34.46	38.46	93.07	97.17	74.00	23.17	Peak

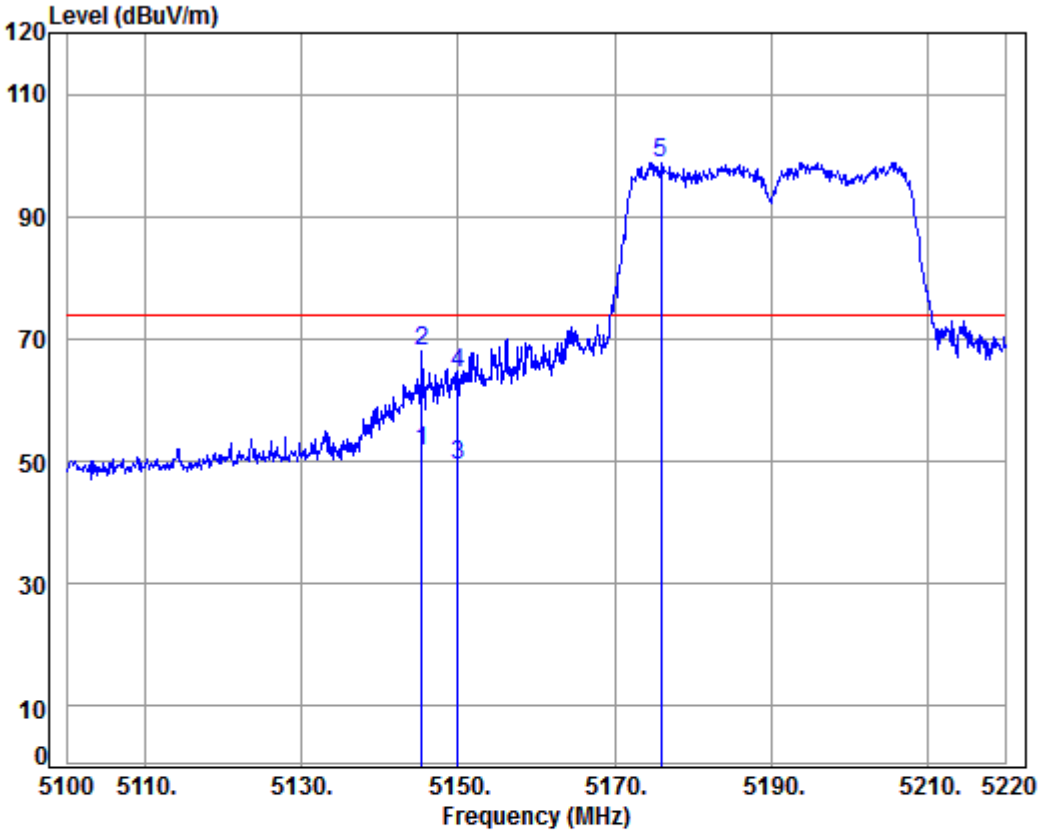
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5190 Band edge
: 5G WIFI-AC40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av 5150.000	8.08	34.47	38.47	45.51	49.59	54.00	-4.41	Average
2	5150.000	8.08	34.47	38.47	62.09	66.17	74.00	-7.83	Peak
3	pp 5196.018	8.10	34.46	38.46	97.84	101.94	74.00	27.94	Peak

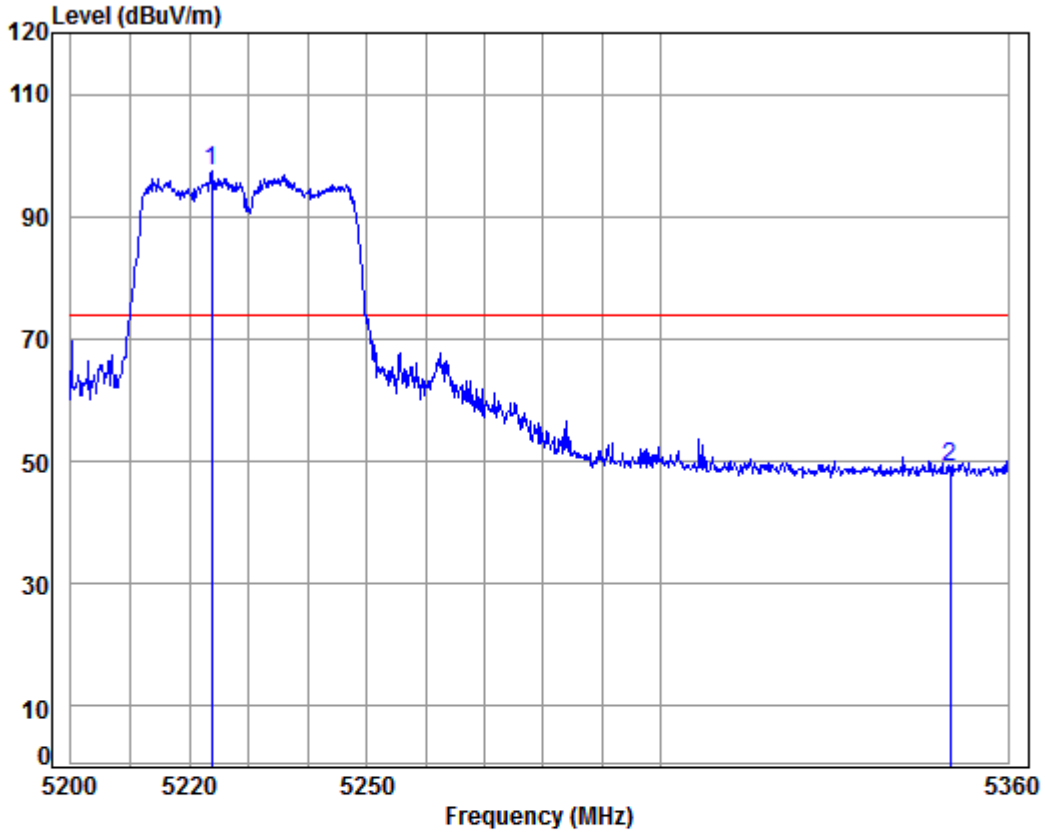
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5190 Band edge
: 5G WIFI-AC40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5145.360	8.08	34.47	38.47	47.62	51.70	54.00	-2.30	Average
2	5145.360	8.08	34.47	38.47	63.94	68.02	74.00	-5.98	Peak
3	5150.000	8.08	34.47	38.47	45.17	49.25	54.00	-4.75	Average
4	5150.000	8.08	34.47	38.47	60.32	64.40	74.00	-9.60	Peak
5 pp	5175.960	8.09	34.46	38.46	94.75	98.84	74.00	24.84	Peak

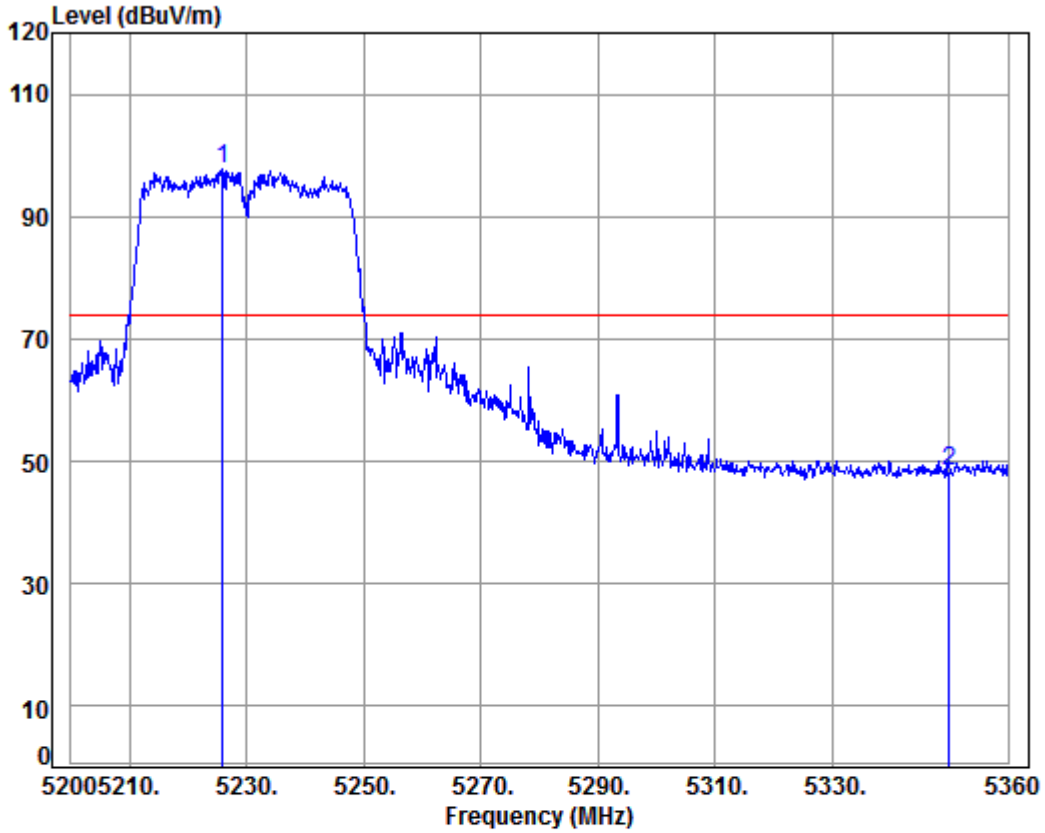
Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5230 Band edge
: 5G WIFI-AC40 Antenna1

	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	5223.692	8.11	34.45	38.46	93.37	97.47	74.00	23.47	Peak
2	5350.000	8.18	34.43	38.43	44.98	49.16	74.00	-24.84	Peak

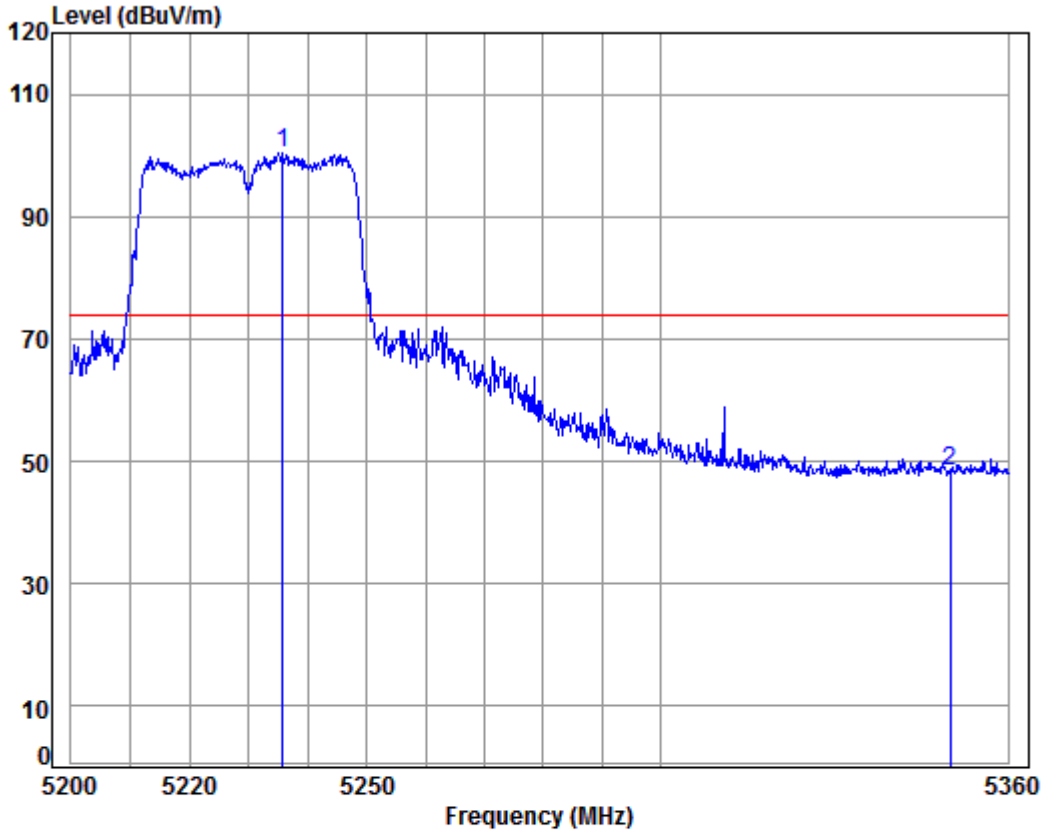
Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5230 Band edge
: 5G WIFI-AC40Antenna2

	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	5225.920	8.12	34.45	38.45	93.60	97.72	74.00	23.72	Peak
2	5350.000	8.18	34.43	38.43	44.36	48.54	74.00	-25.46	Peak

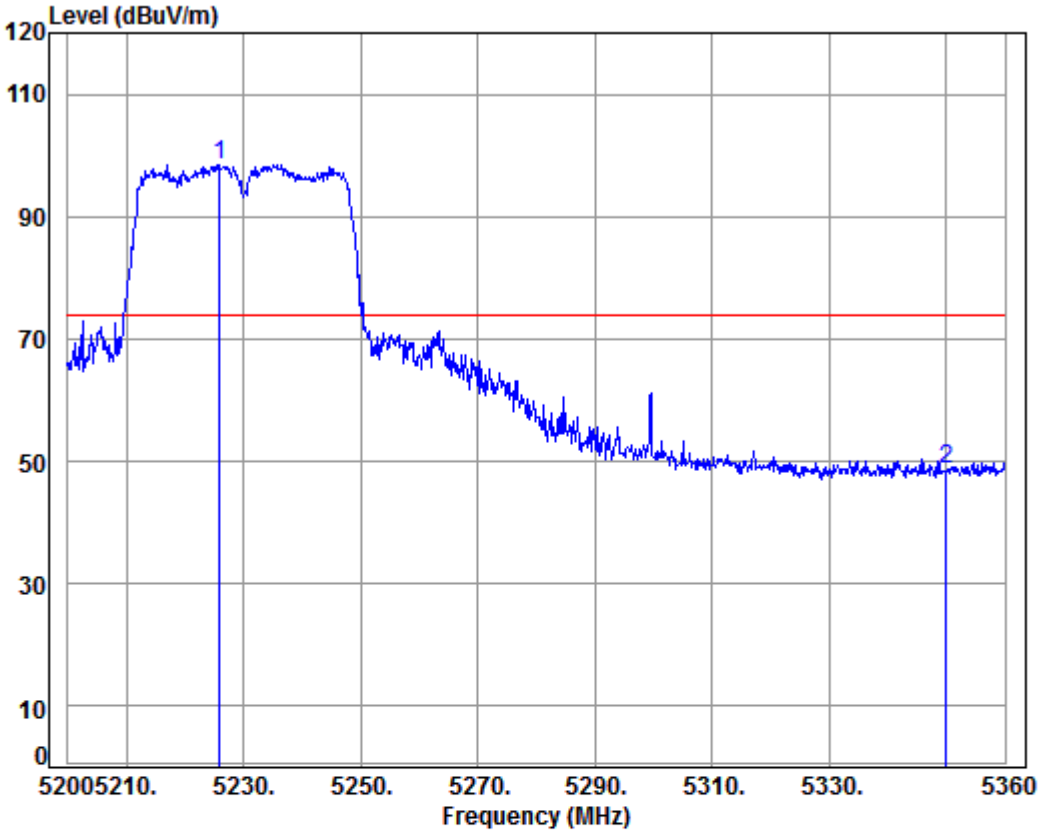
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5230 Band edge
: 5G WIFI-AC40 Antenna1

	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	5235.737	8.12	34.45	38.45	96.33	100.45	74.00	26.45	Peak
2	5350.000	8.18	34.43	38.43	44.10	48.28	74.00	-25.72	Peak

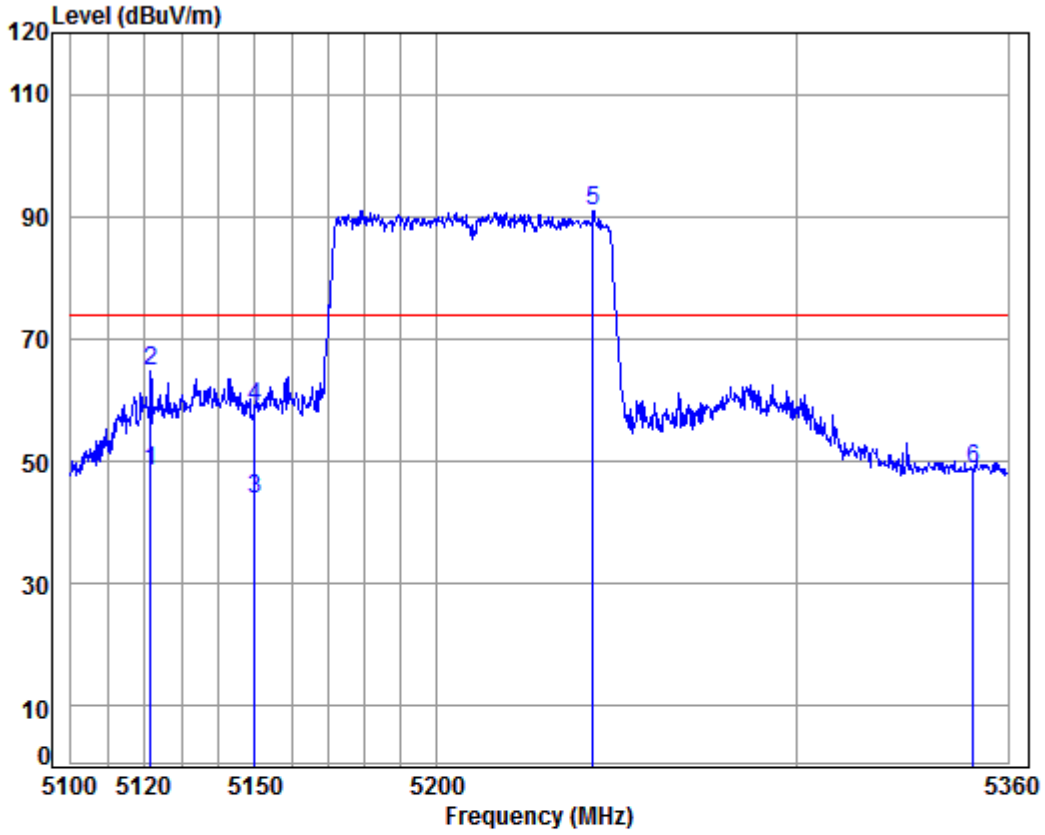
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5230 Band edge
: 5G WIFI-AC40Antenna2

	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	5225.920	8.12	34.45	38.45	94.33	98.45	74.00	24.45	Peak
2	5350.000	8.18	34.43	38.43	44.66	48.84	74.00	-25.16	Peak

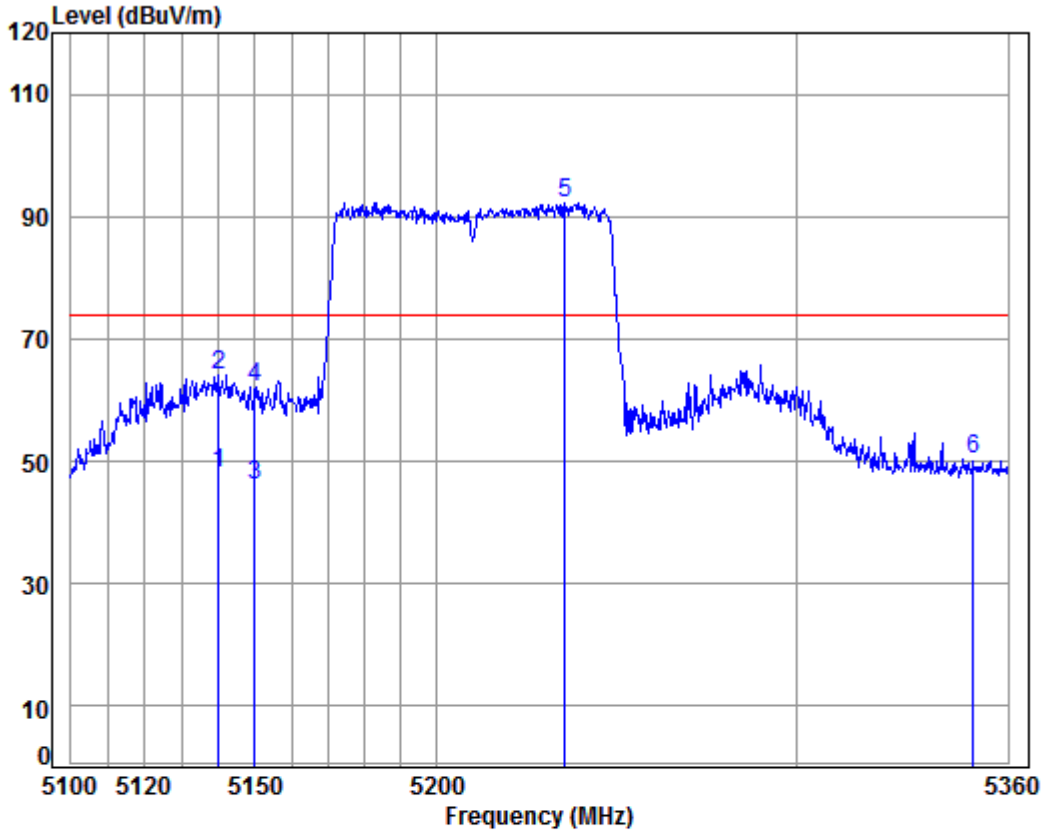
Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5210 Band edge
: 5G WIFI-AC80 Antenna1

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av	5121.601	8.06	34.47	38.48	44.36	48.41	54.00	-5.59	Average
2		5121.601	8.06	34.47	38.48	60.61	64.66	74.00	-9.34	Peak
3		5150.000	8.08	34.47	38.47	39.88	43.96	54.00	-10.04	Average
4		5150.000	8.08	34.47	38.47	54.84	58.92	74.00	-15.08	Peak
5	pp	5243.224	8.12	34.45	38.45	86.86	90.98	74.00	16.98	Peak
6		5350.000	8.18	34.43	38.43	44.58	48.76	74.00	-25.24	Peak

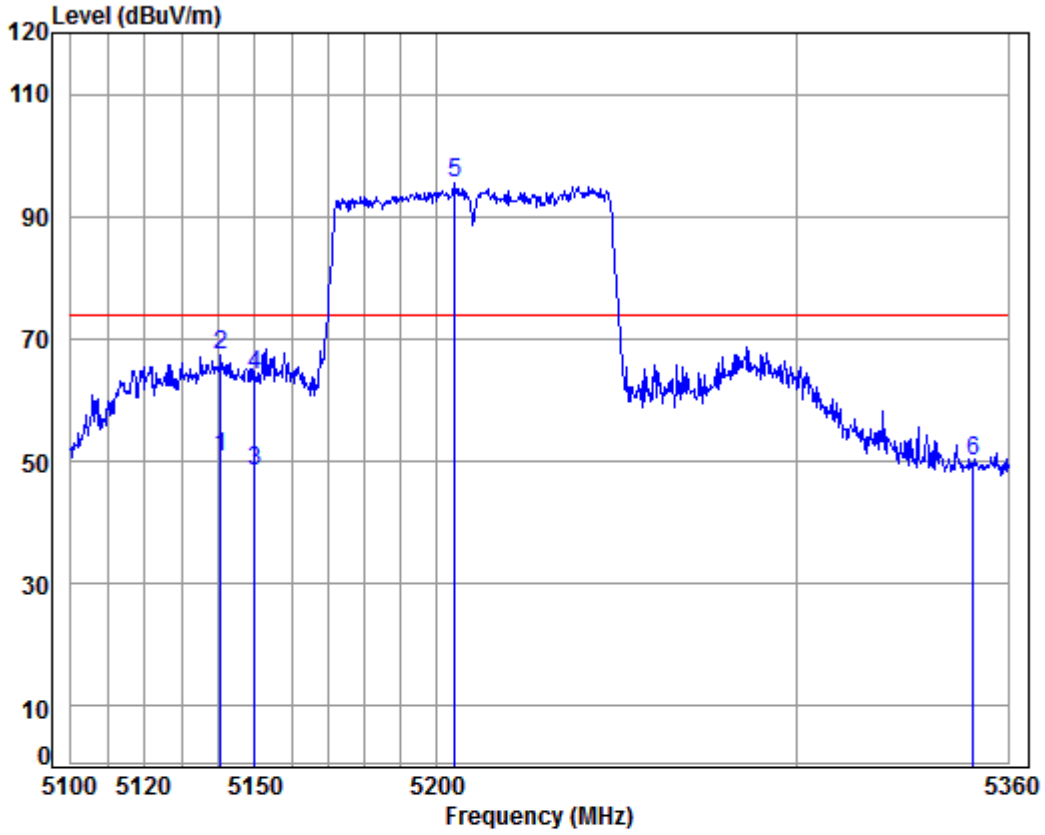
Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5210 Band edge
: 5G WIFI-AC80Antenna2

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av	5140.225	8.07	34.47	38.47	43.99	48.06	54.00	-5.94	Average
2		5140.225	8.07	34.47	38.47	60.05	64.12	74.00	-9.88	Peak
3		5150.000	8.08	34.47	38.47	42.04	46.12	54.00	-7.88	Average
4		5150.000	8.08	34.47	38.47	58.17	62.25	74.00	-11.75	Peak
5	pp	5235.408	8.12	34.45	38.45	88.18	92.30	74.00	18.30	Peak
6		5350.000	8.18	34.43	38.43	46.23	50.41	74.00	-23.59	Peak

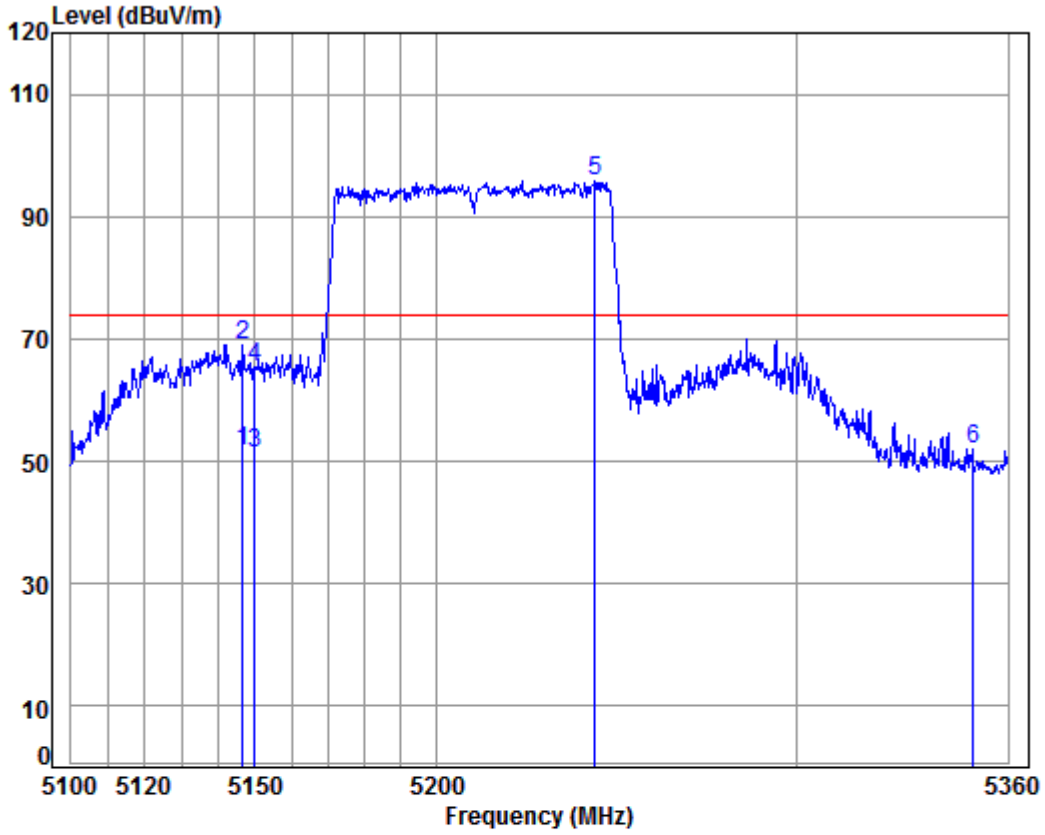
Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5210 Band edge
: 5G WIFI-AC80 Antenna1

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av	5140.736	8.07	34.47	38.47	46.59	50.66	54.00	-3.34	Average
2		5140.736	8.07	34.47	38.47	63.20	67.27	74.00	-6.73	Peak
3		5150.000	8.08	34.47	38.47	44.31	48.39	54.00	-5.61	Average
4		5150.000	8.08	34.47	38.47	59.91	63.99	74.00	-10.01	Peak
5	pp	5205.039	8.11	34.46	38.46	91.25	95.36	74.00	21.36	Peak
6		5350.000	8.18	34.43	38.43	45.71	49.89	74.00	-24.11	Peak

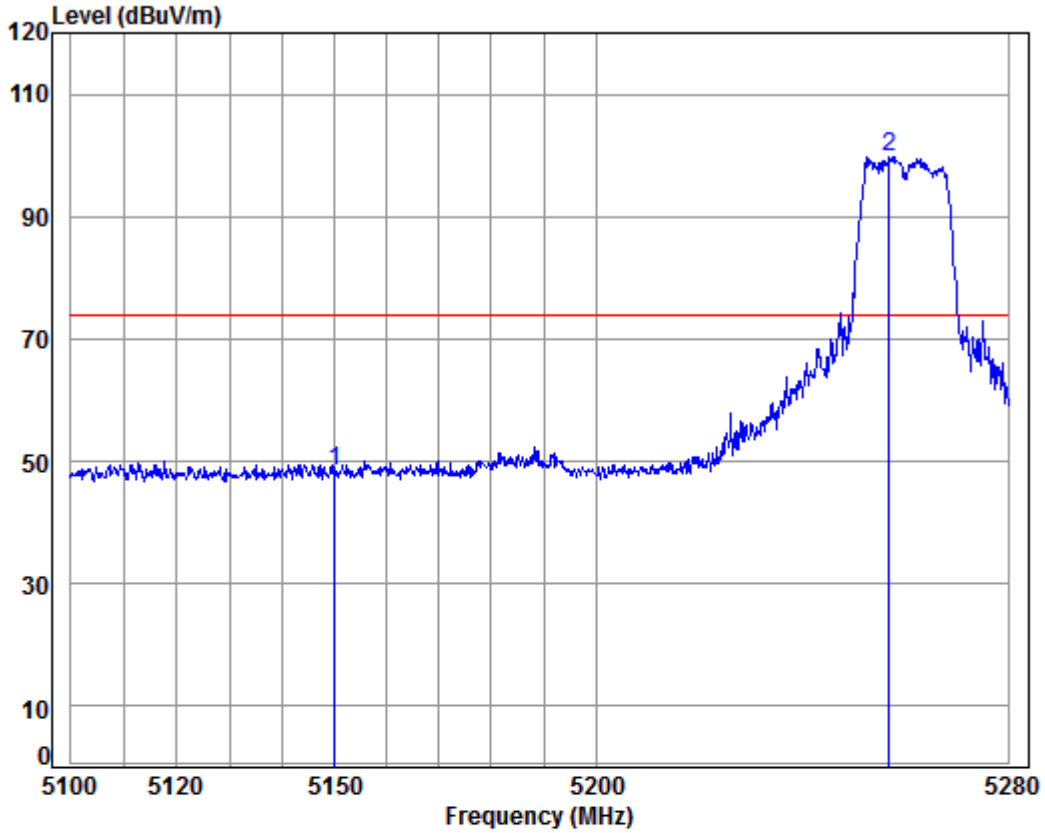
Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5210 Band edge
: 5G WIFI-AC80Antenna2

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av	5146.619	8.08	34.47	38.47	47.45	51.53	54.00	-2.47	Average
2		5146.619	8.08	34.47	38.47	64.98	69.06	74.00	-4.94	Peak
3		5150.000	8.08	34.47	38.47	47.32	51.40	54.00	-2.60	Average
4		5150.000	8.08	34.47	38.47	61.22	65.30	74.00	-8.70	Peak
5	pp	5243.745	8.12	34.45	38.45	91.79	95.91	74.00	21.91	Peak
6		5350.000	8.18	34.43	38.43	47.97	52.15	74.00	-21.85	Peak

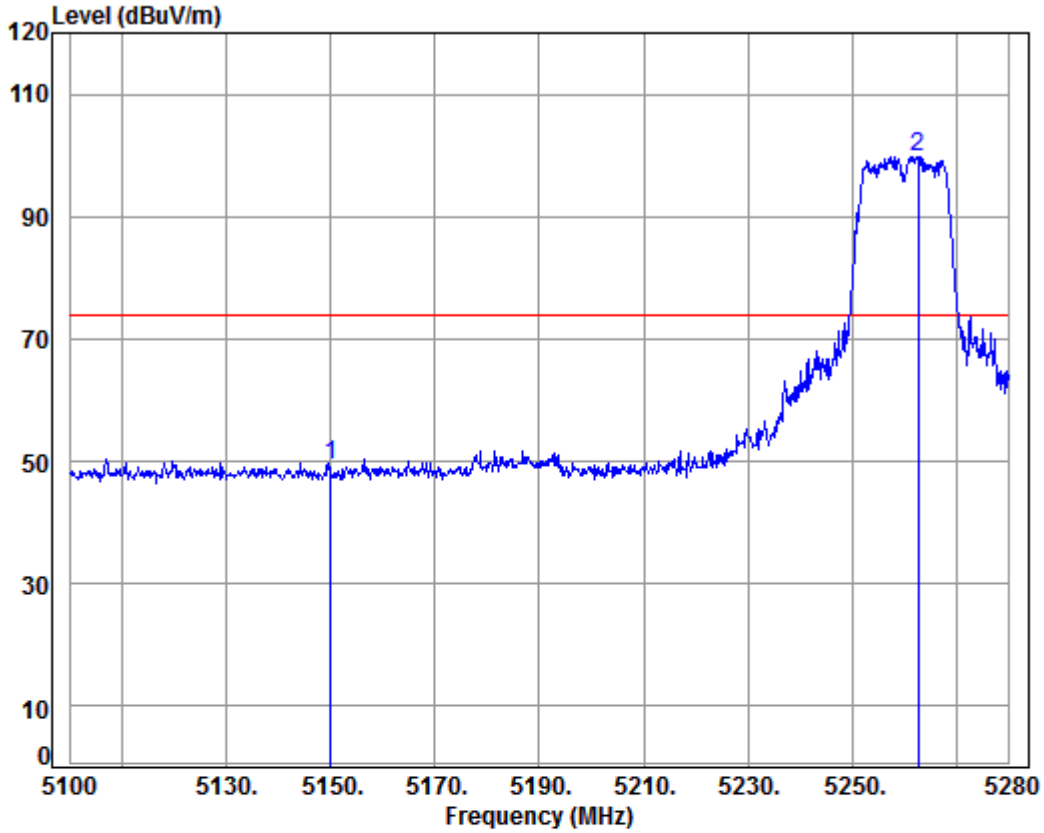
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-A20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.32	48.40	74.00	-25.60	Peak
2 pp	5256.792	8.13	34.45	38.45	95.76	99.89	74.00	25.89	Peak

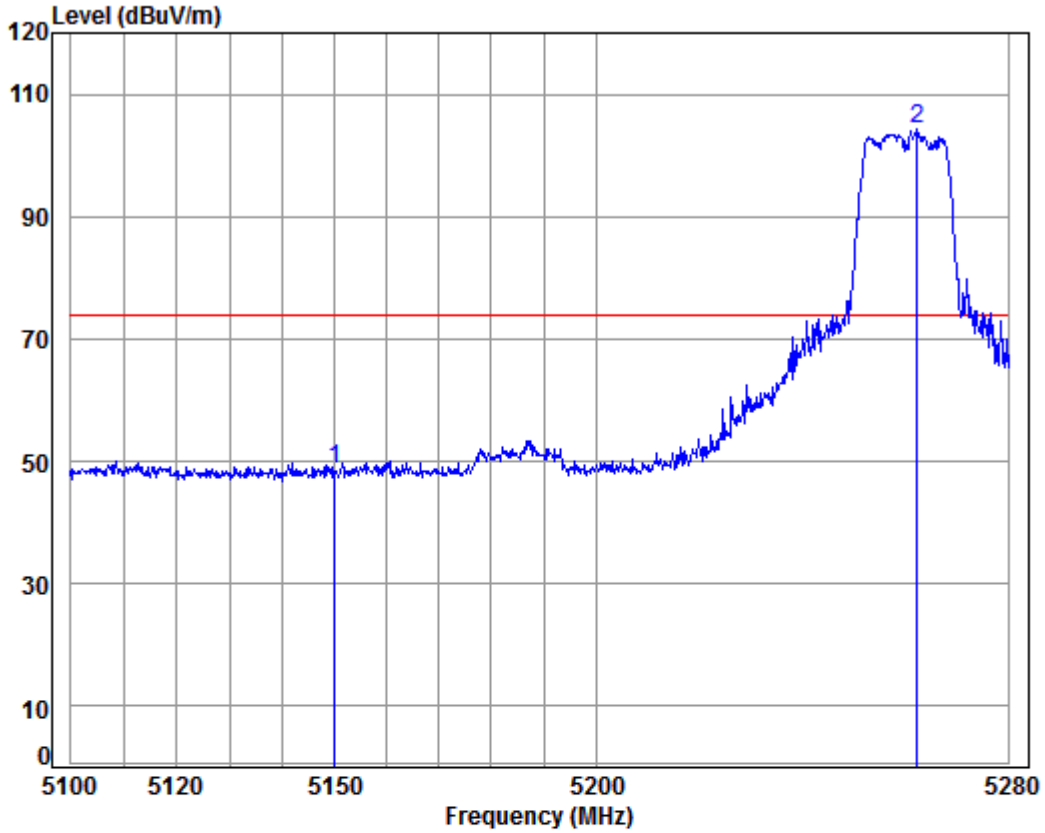
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-A20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.43	49.51	74.00	-24.49	Peak
2 pp	5262.720	8.13	34.45	38.45	95.67	99.80	74.00	25.80	Peak

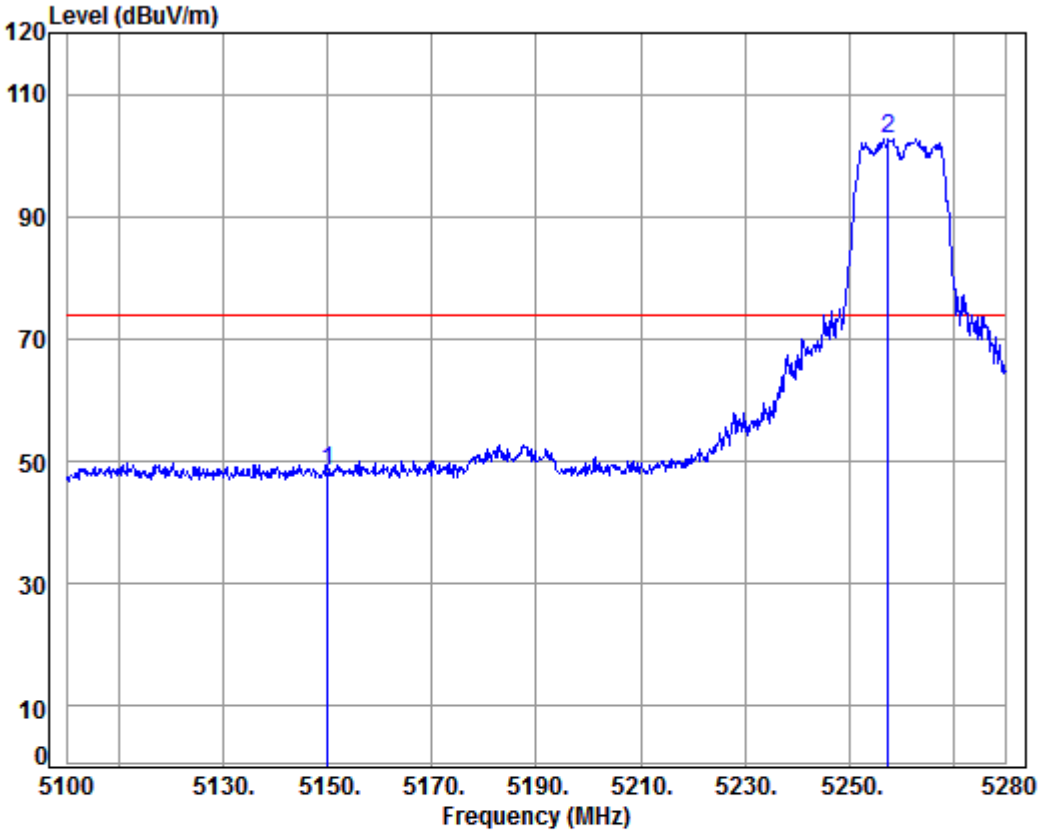
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-A20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.61	48.69	74.00	-25.31	Peak
2 pp	5262.265	8.13	34.45	38.45	100.04	104.17	74.00	30.17	Peak

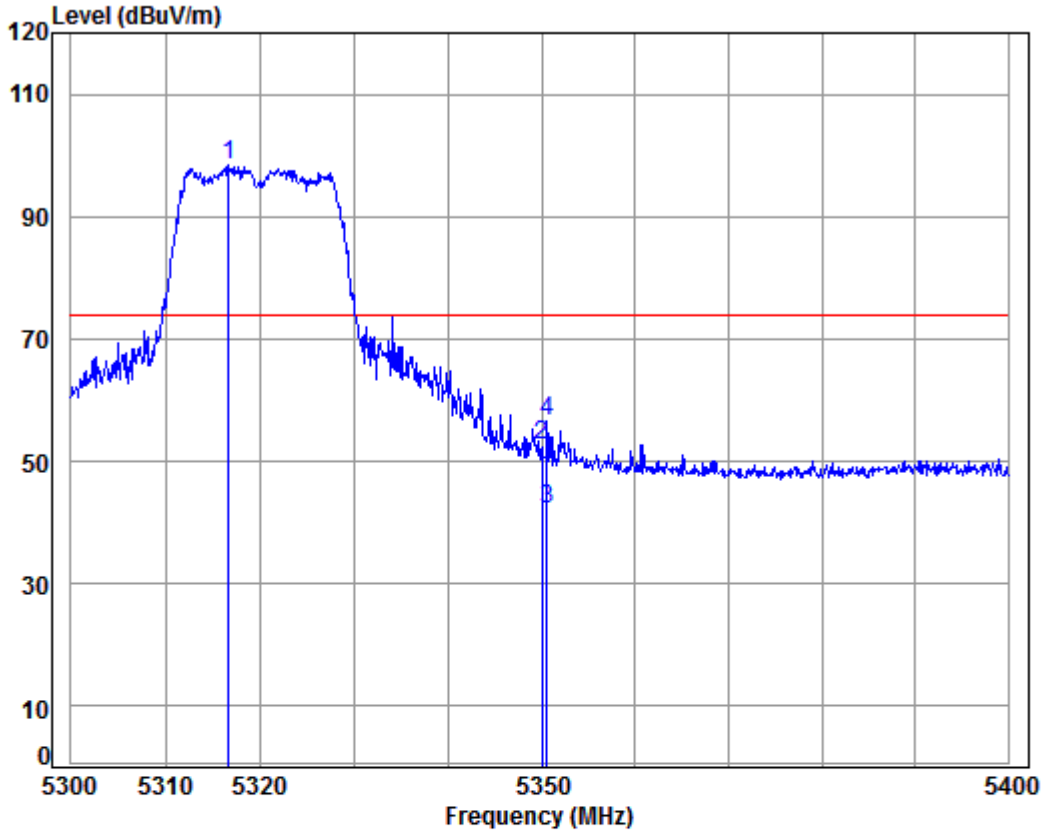
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-A20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.40	48.48	74.00	-25.52	Peak
2 pp	5257.500	8.13	34.45	38.45	98.55	102.68	74.00	28.68	Peak

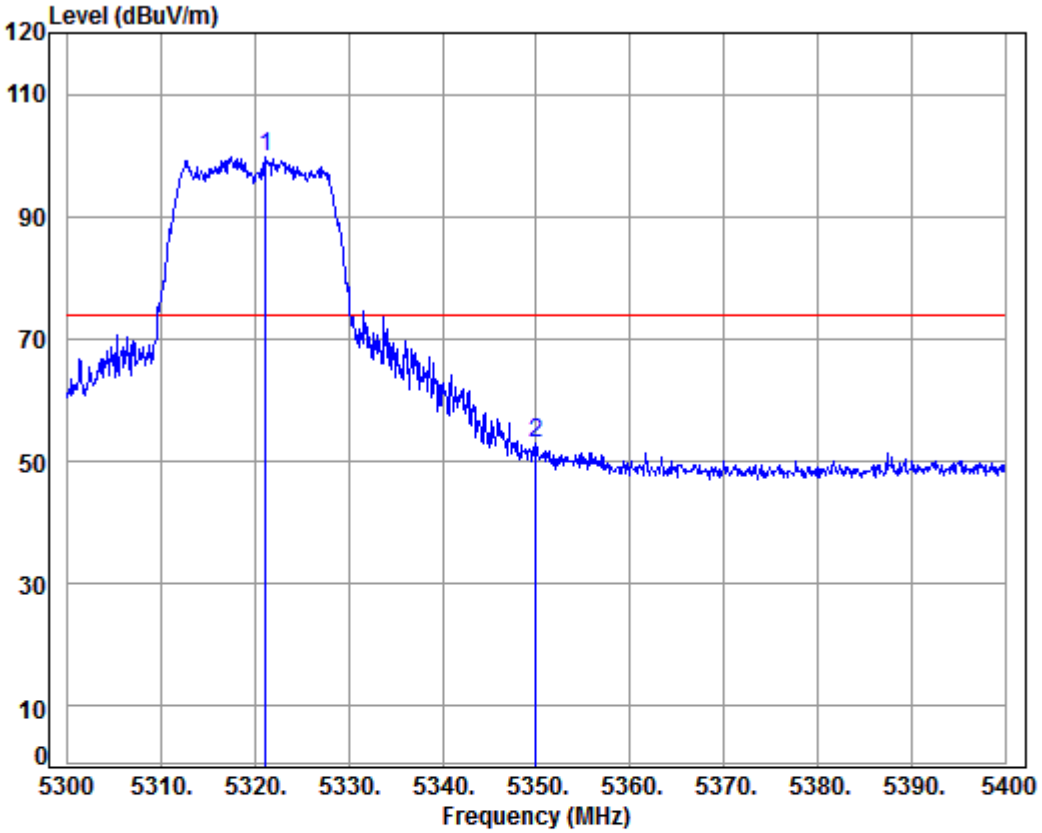
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-A20 Antenna1

	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	5316.669	8.16	34.44	38.44	94.37	98.53	74.00	24.53	Peak
2	5350.000	8.18	34.43	38.43	48.31	52.49	74.00	-21.51	Peak
3 av	5350.566	8.18	34.43	38.43	38.11	42.29	54.00	-11.71	Average
4	5350.566	8.18	34.43	38.43	52.47	56.65	74.00	-17.35	Peak

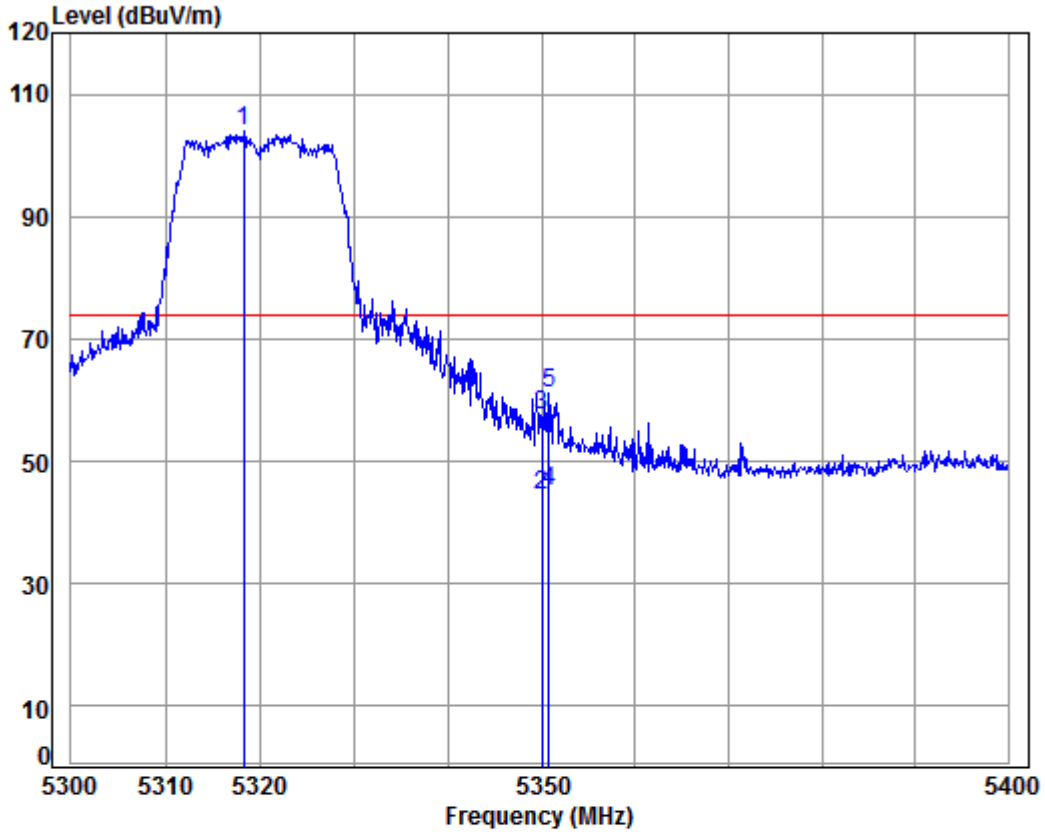
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-A20Antenna2

	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	5321.100	8.16	34.43	38.44	95.48	99.63	74.00	25.63	Peak
2	5350.000	8.18	34.43	38.43	48.94	53.12	74.00	-20.88	Peak

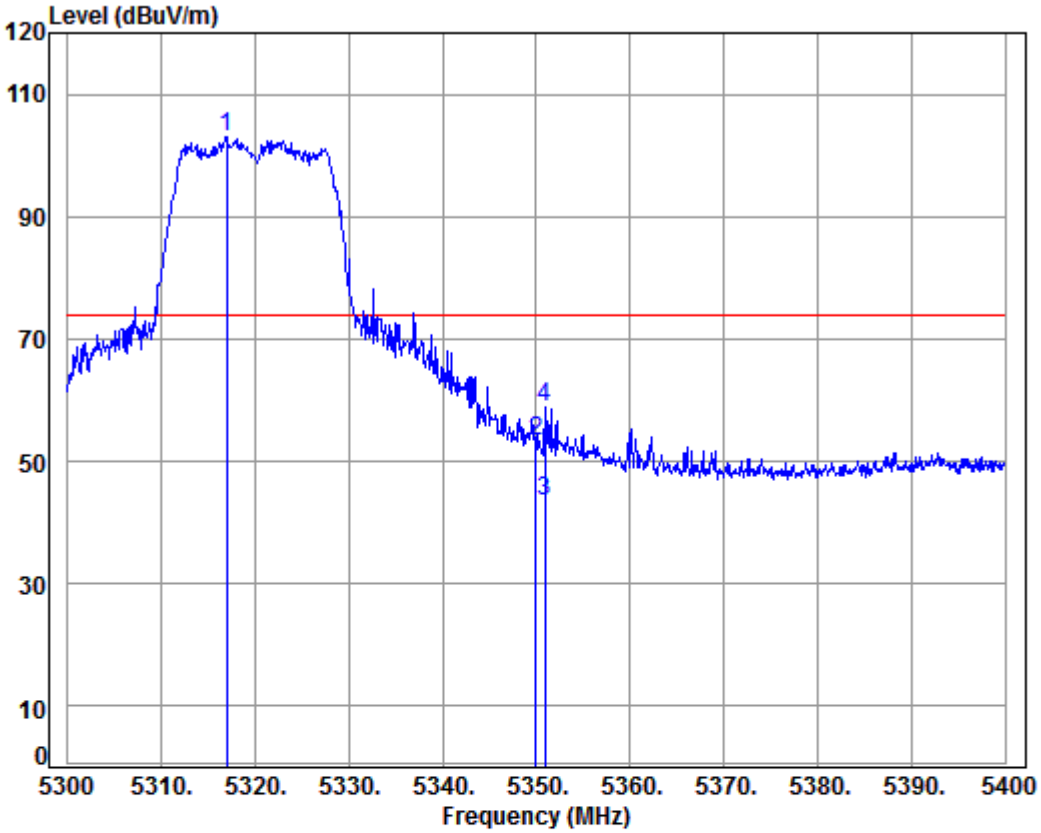
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-A20 Antenna1

	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	5318.260	8.16	34.44	38.44	99.70	103.86	74.00	29.86	Peak
2	5350.000	8.18	34.43	38.43	40.23	44.41	54.00	-9.59	Average
3	5350.000	8.18	34.43	38.43	53.28	57.46	74.00	-16.54	Peak
4 av	5350.767	8.18	34.43	38.43	41.06	45.24	54.00	-8.76	Average
5	5350.767	8.18	34.43	38.43	57.08	61.26	74.00	-12.74	Peak

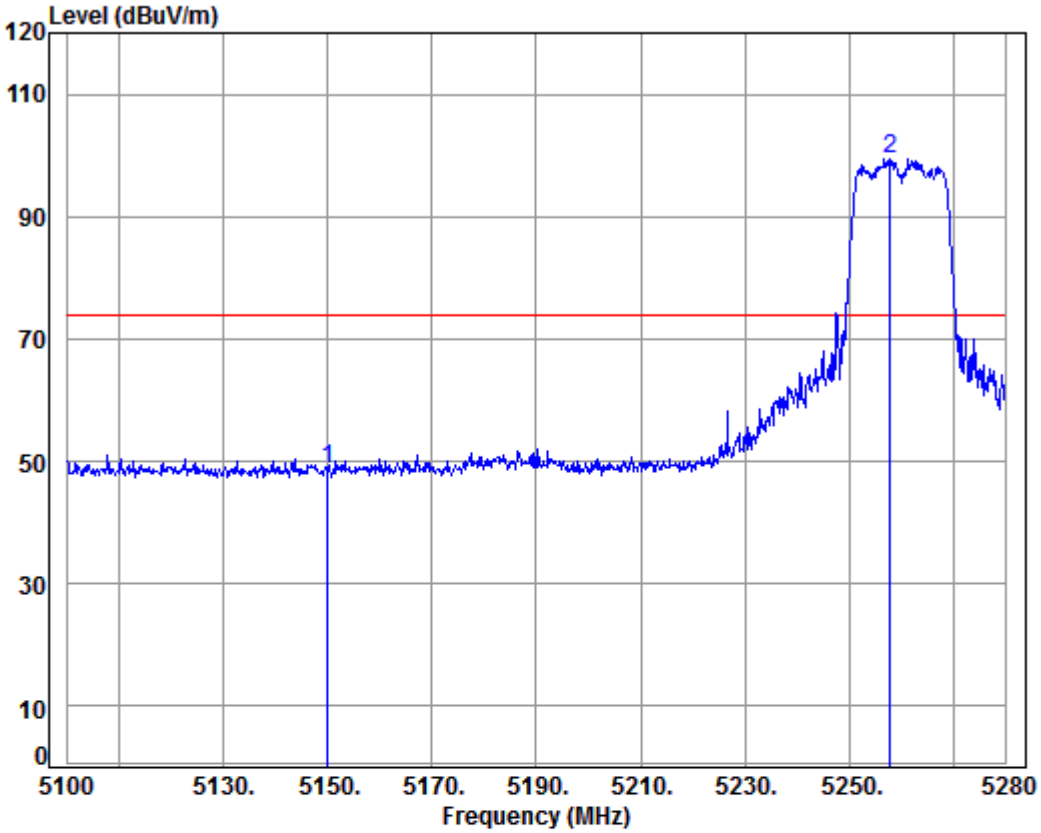
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-A20Antenna2

		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	5316.900	8.16	34.44	38.44	99.00	103.16	74.00	29.16	Peak
2		5350.000	8.18	34.43	38.43	49.24	53.42	74.00	-20.58	Peak
3	av	5350.900	8.18	34.43	38.43	39.25	43.43	54.00	-10.57	Average
4		5350.900	8.18	34.43	38.43	54.71	58.89	74.00	-15.11	Peak

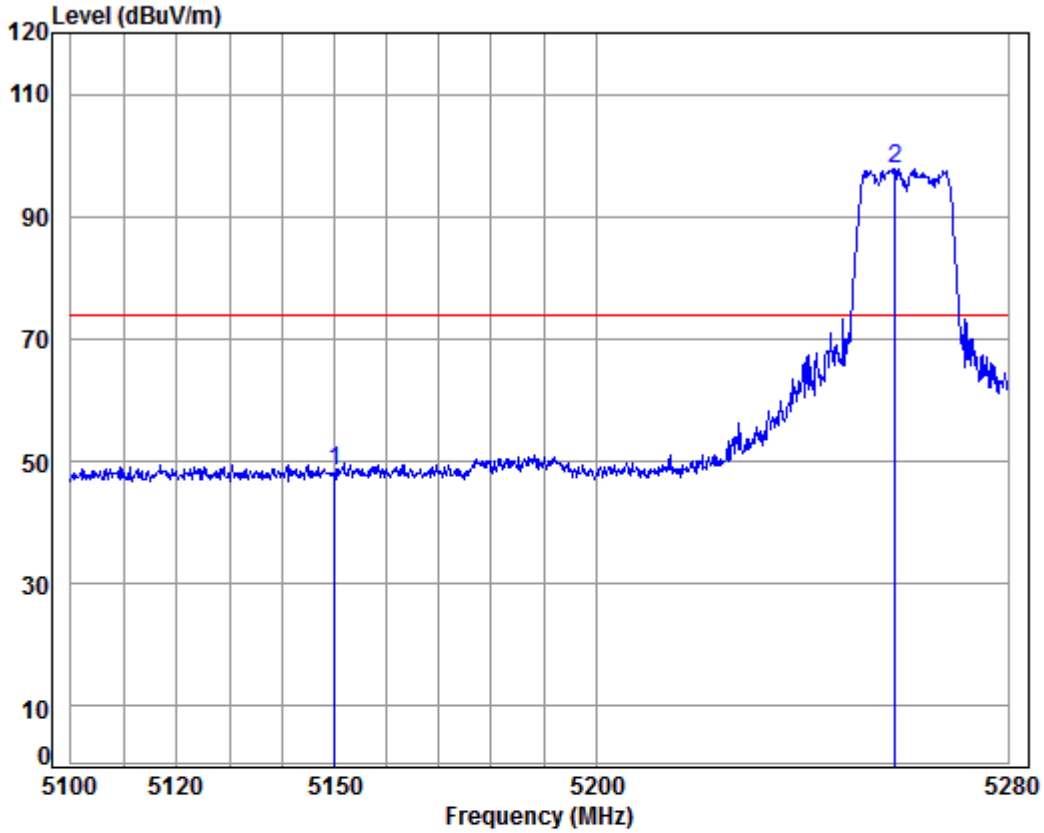
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-N20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.70	48.78	74.00	-25.22	Peak
2 pp	5257.860	8.13	34.45	38.45	95.40	99.53	74.00	25.53	Peak

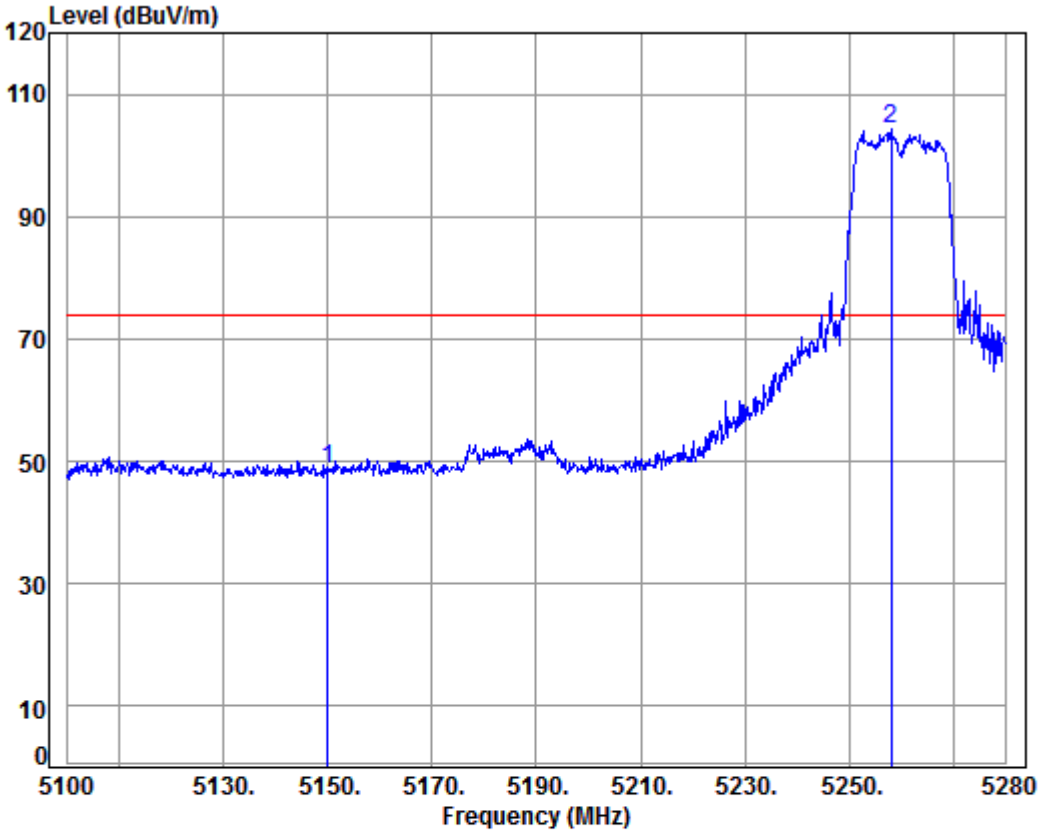
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-N20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.36	48.44	74.00	-25.56	Peak
2 pp	5258.069	8.13	34.45	38.45	93.73	97.86	74.00	23.86	Peak

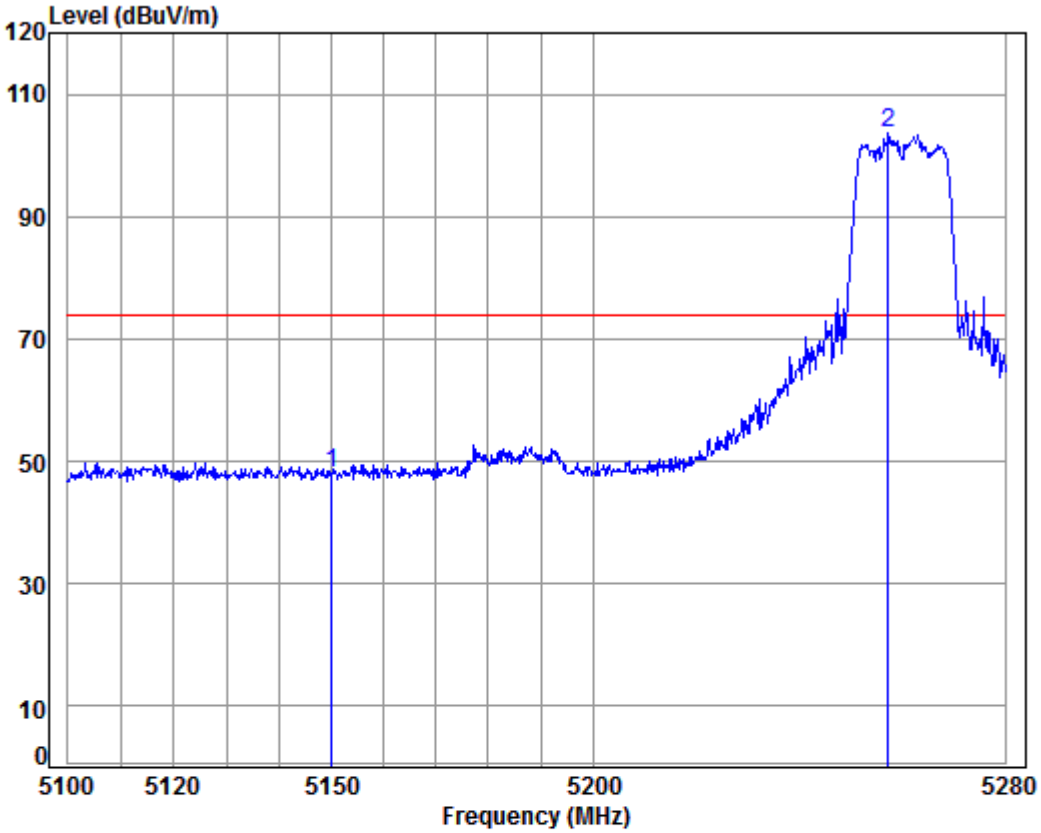
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-N20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.66	48.74	74.00	-25.26	Peak
2 pp	5258.040	8.13	34.45	38.45	100.07	104.20	74.00	30.20	Peak

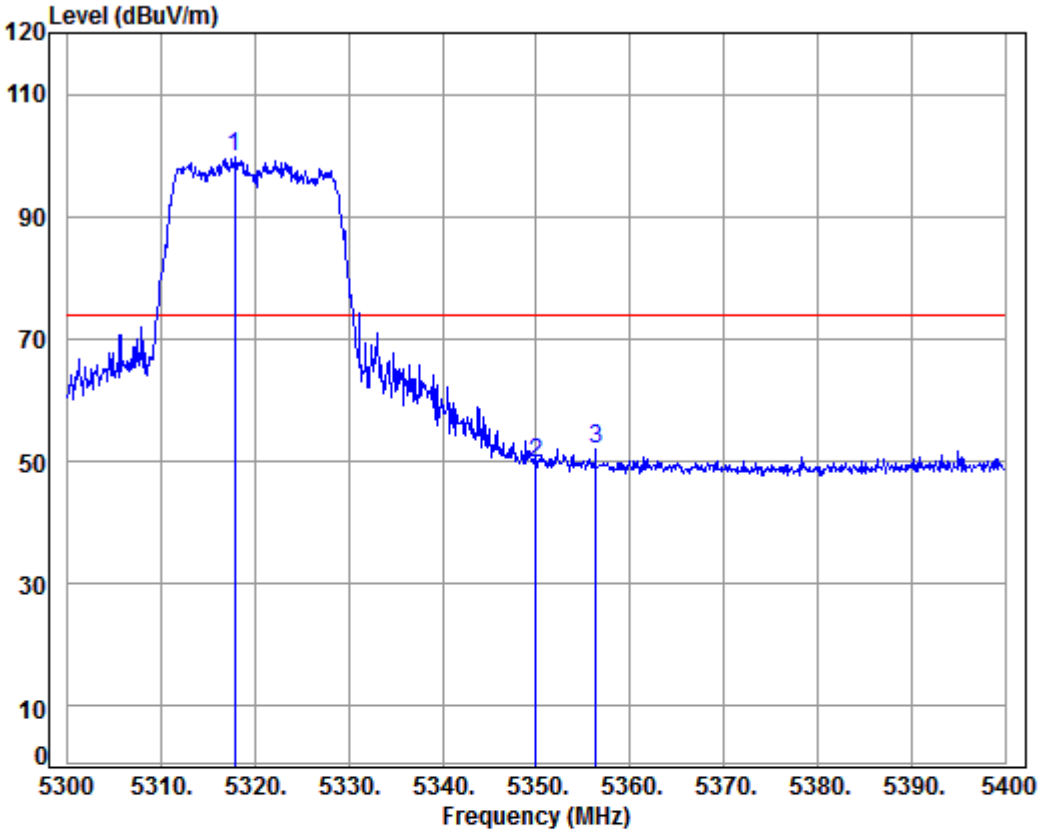
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-N20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	43.90	47.98	74.00	-26.02	Peak
2 pp	5257.157	8.13	34.45	38.45	99.51	103.64	74.00	29.64	Peak

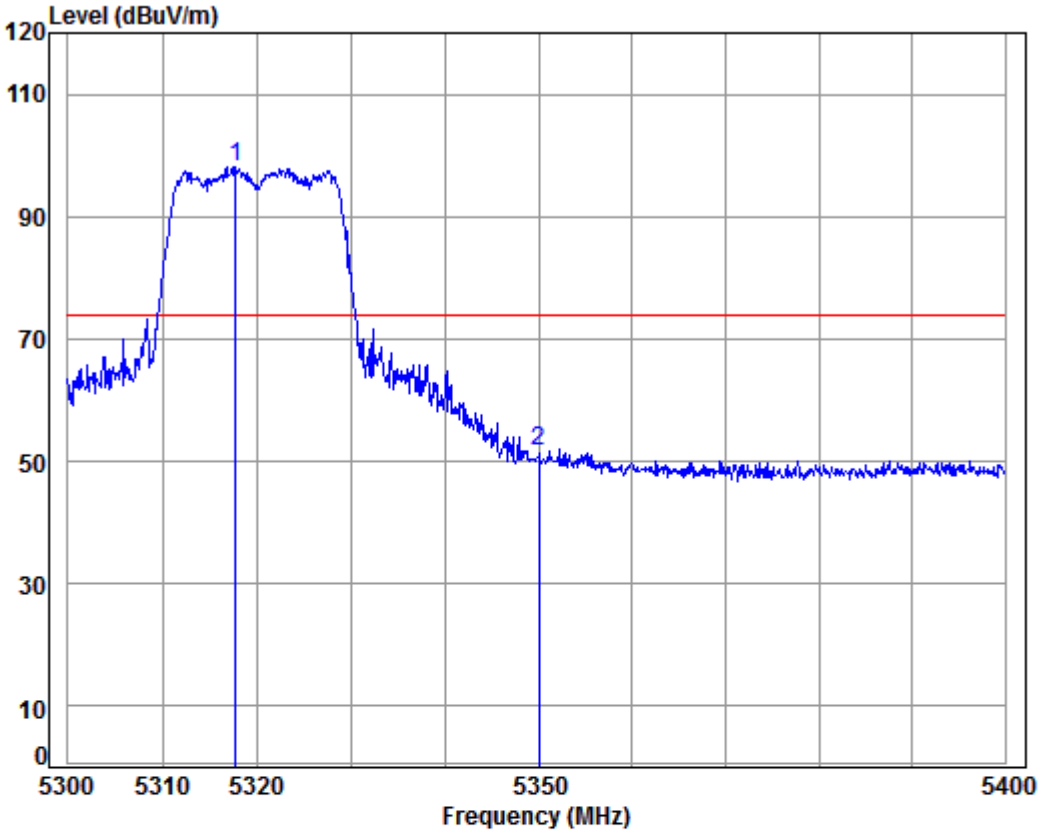
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-N20 Antenna1

	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	5317.800	8.16	34.44	38.44	95.70	99.86	74.00	25.86	Peak
2	5350.000	8.18	34.43	38.43	45.42	49.60	74.00	-24.40	Peak
3	5356.300	8.18	34.43	38.43	47.83	52.01	74.00	-21.99	Peak

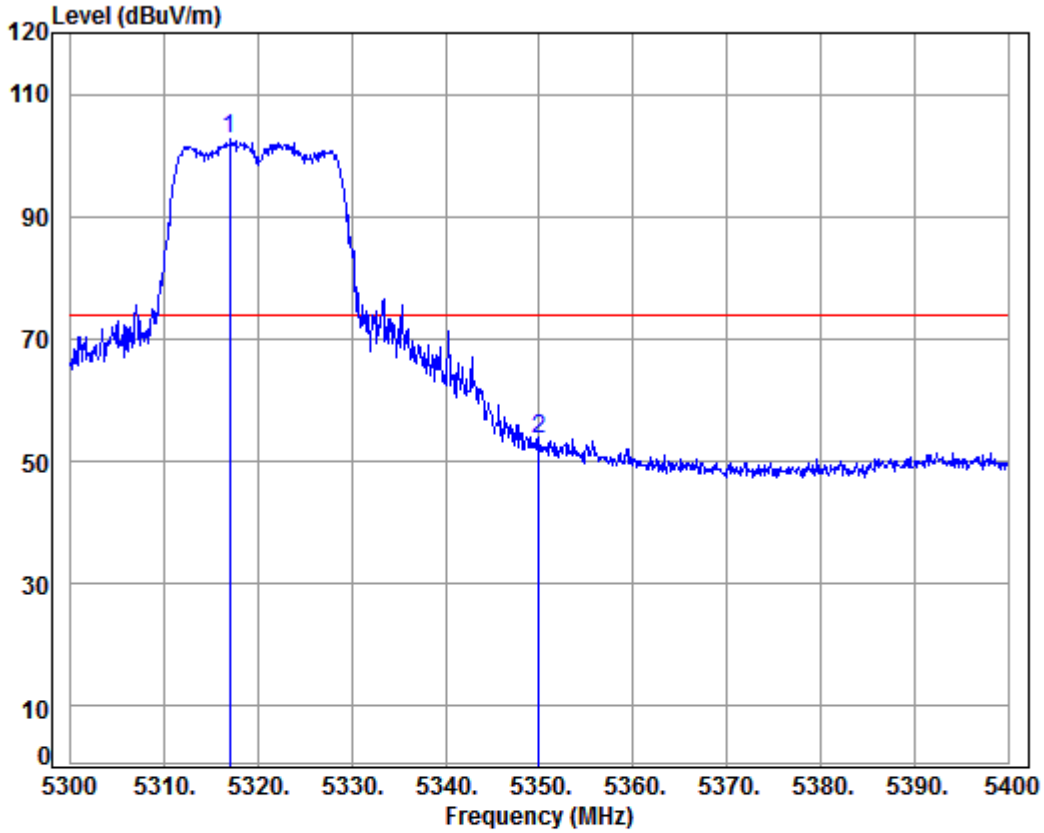
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-N20Antenna2

	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	5317.763	8.16	34.44	38.44	94.07	98.23	74.00	24.23	Peak
2	5350.000	8.18	34.43	38.43	47.52	51.70	74.00	-22.30	Peak

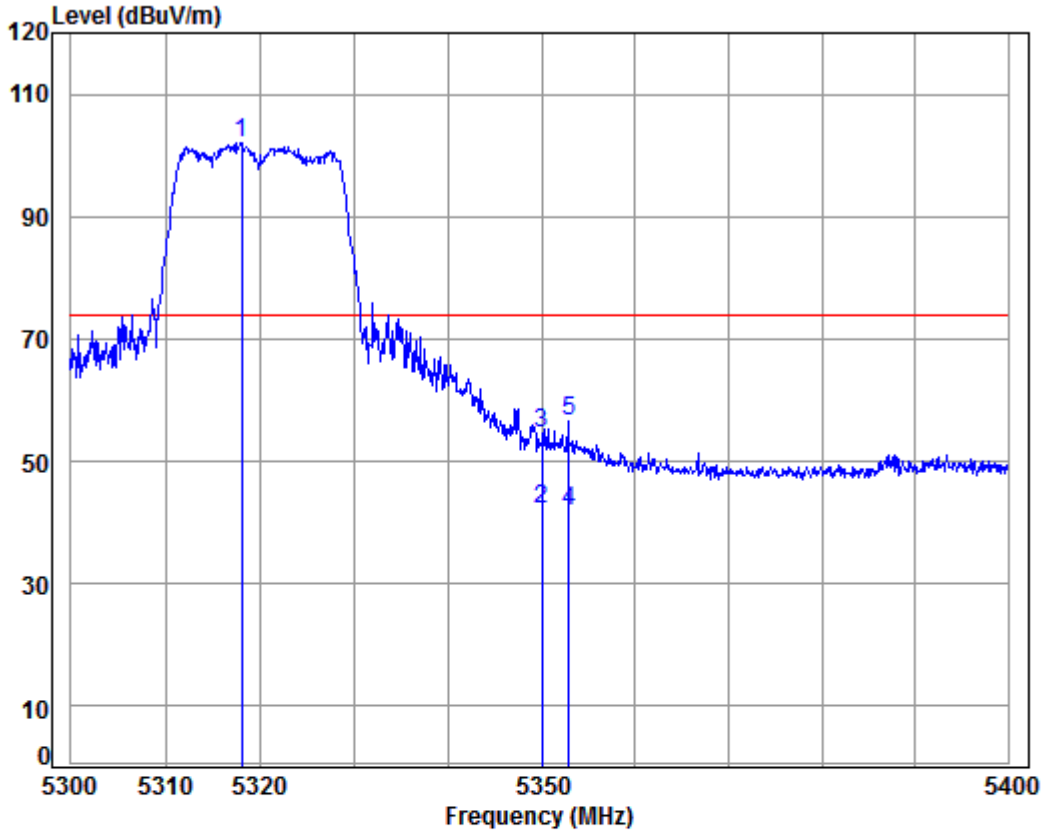
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-N20 Antenna1

	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	5317.000	8.16	34.44	38.44	98.65	102.81	74.00	28.81	Peak
2	5350.000	8.18	34.43	38.43	49.54	53.72	74.00	-20.28	Peak

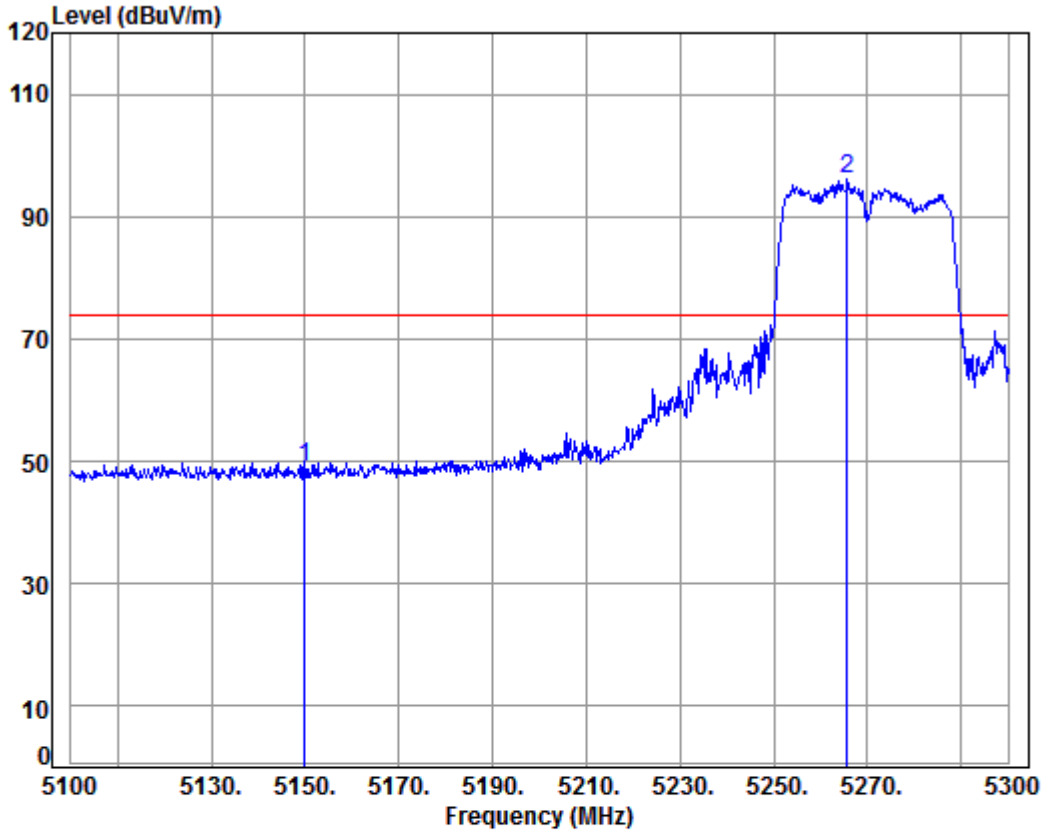
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-N20Antenna2

	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	5318.061	8.16	34.44	38.44	97.91	102.07	74.00	28.07	Peak
2 av	5350.000	8.18	34.43	38.43	38.00	42.18	54.00	-11.82	Average
3	5350.000	8.18	34.43	38.43	50.54	54.72	74.00	-19.28	Peak
4	5352.867	8.18	34.43	38.43	37.53	41.71	54.00	-12.29	Average
5	5352.867	8.18	34.43	38.43	52.46	56.64	74.00	-17.36	Peak

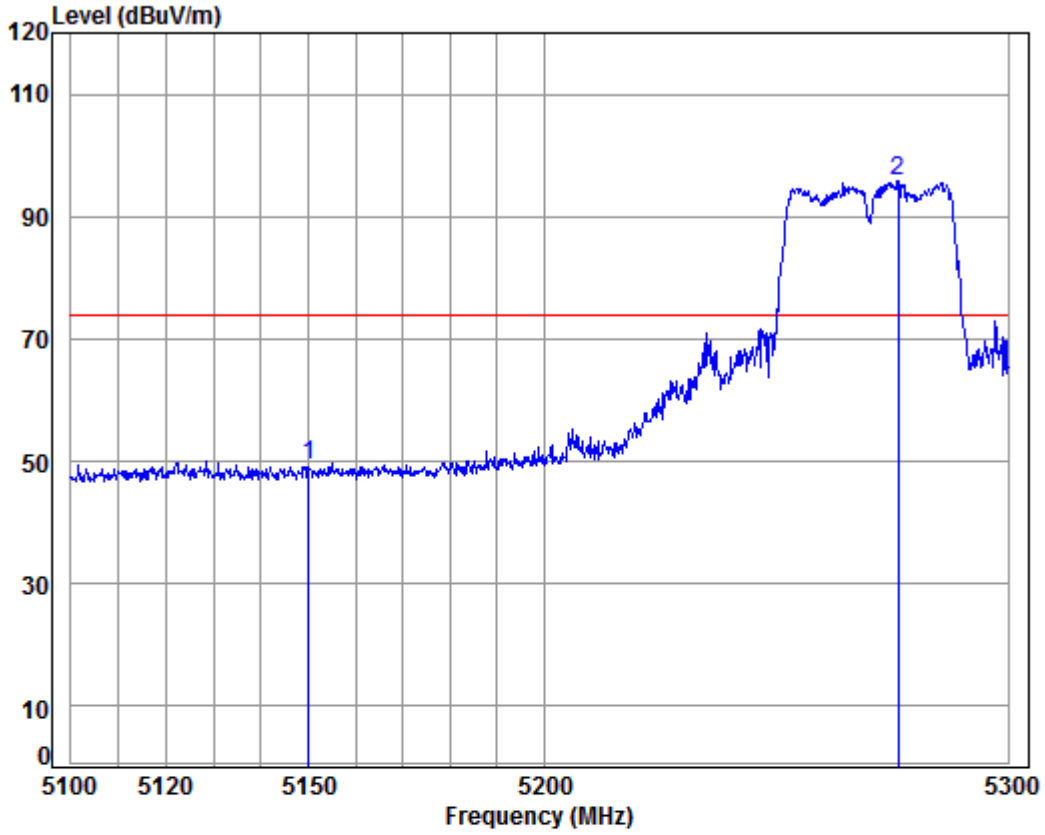
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5270 Band edge
: 5G WIFI-N40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.04	49.12	74.00	-24.88	Peak
2 pp	5265.600	8.14	34.45	38.45	91.88	96.02	74.00	22.02	Peak

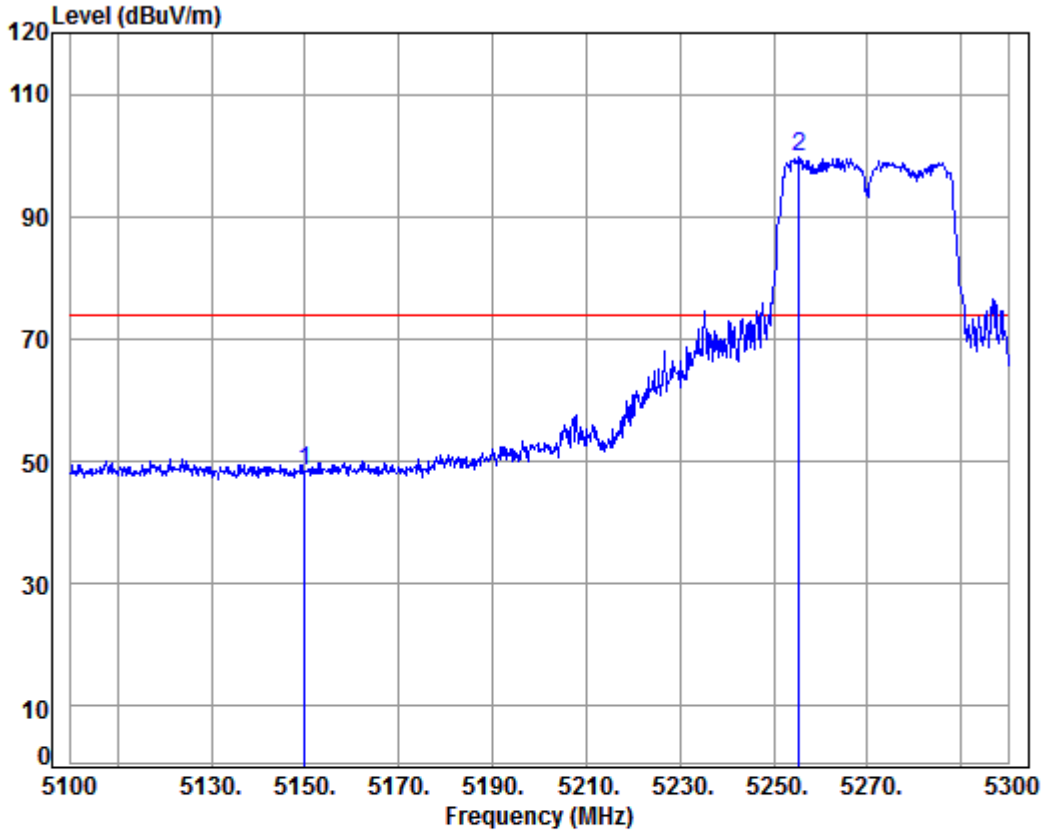
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5270 Band edge
: 5G WIFI-N40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.33	49.41	74.00	-24.59	Peak
2 pp	5276.201	8.14	34.44	38.44	91.67	95.81	74.00	21.81	Peak

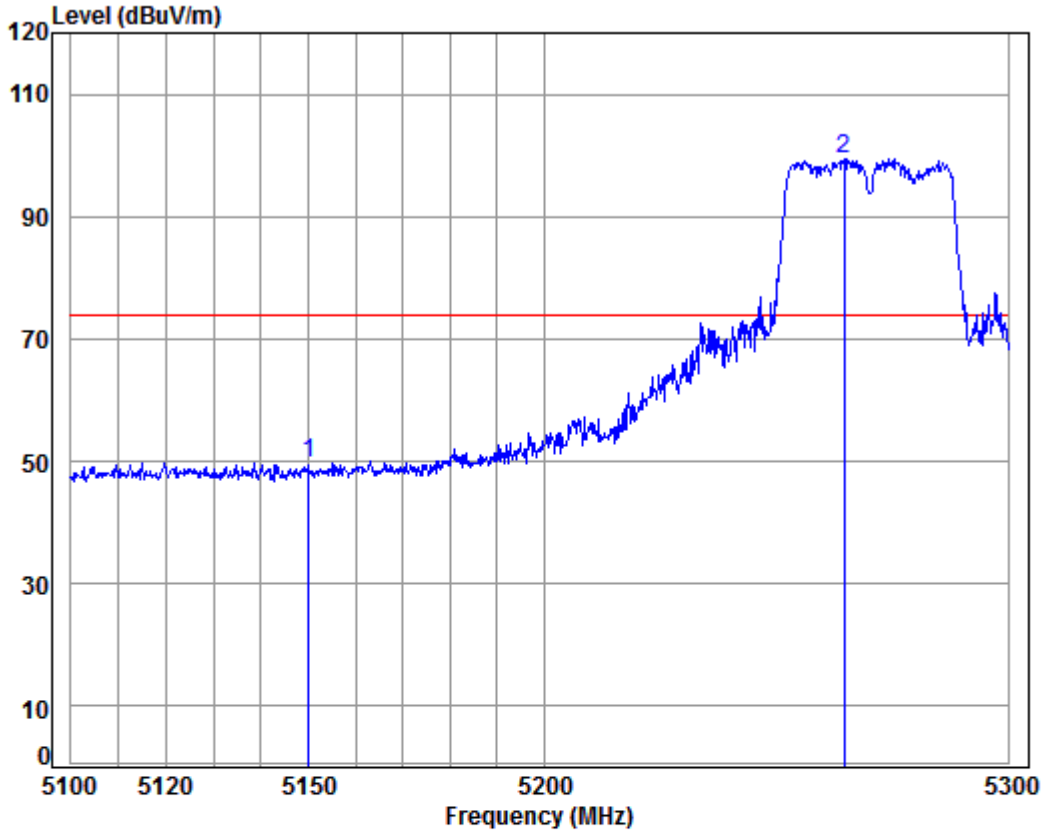
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5270 Band edge
: 5G WIFI-N40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.29	48.37	74.00	-25.63	Peak
2 pp	5255.400	8.13	34.45	38.45	95.51	99.64	74.00	25.64	Peak

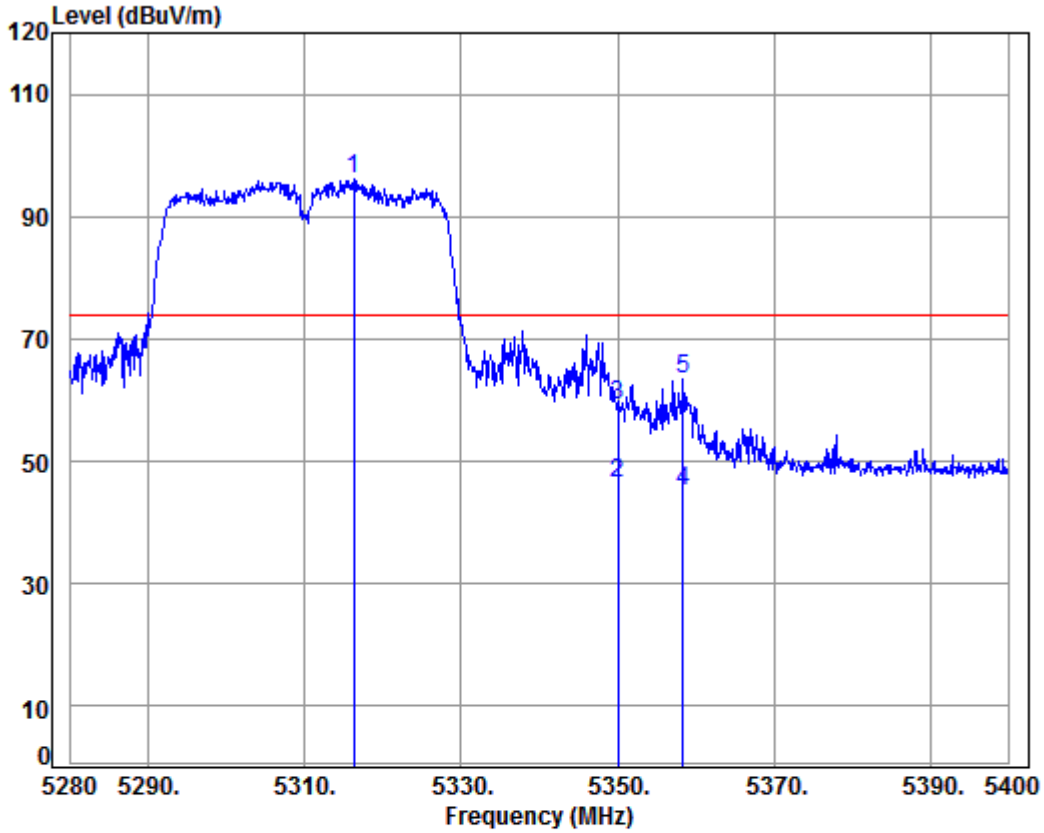
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5270 Band edge
: 5G WIFI-N40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.62	49.70	74.00	-24.30	Peak
2 pp	5264.442	8.14	34.45	38.45	95.34	99.48	74.00	25.48	Peak

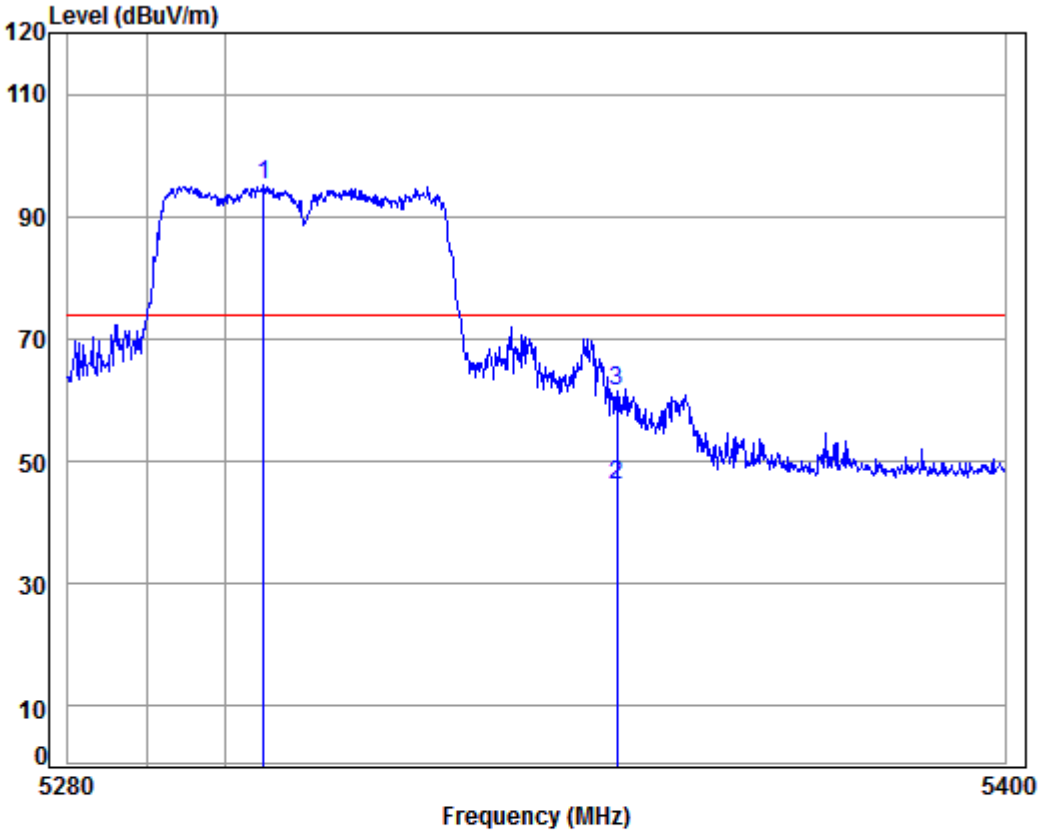
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5310 Band edge
: 5G WIFI-N40 Antenna1

		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	5316.240	8.16	34.44	38.44	91.87	96.03	74.00	22.03	Peak
2	av	5350.000	8.18	34.43	38.43	42.31	46.49	54.00	-7.51	Average
3		5350.000	8.18	34.43	38.43	55.16	59.34	74.00	-14.66	Peak
4		5358.360	8.18	34.43	38.43	41.07	45.25	54.00	-8.75	Average
5		5358.360	8.18	34.43	38.43	59.11	63.29	74.00	-10.71	Peak

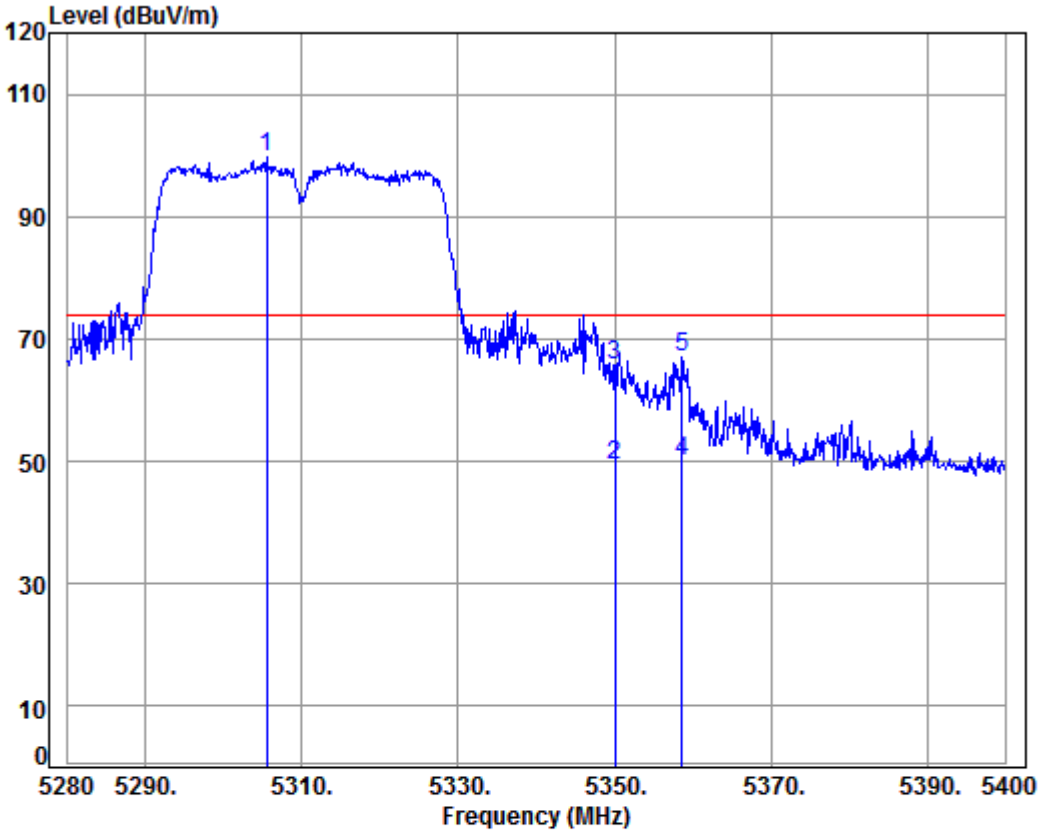
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5310 Band edge
: 5G WIFI-N40Antenna2

	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 5304.857	8.16	34.44	38.44	90.84	95.00	74.00	21.00	Peak
2	av 5350.000	8.18	34.43	38.43	42.07	46.25	54.00	-7.75	Average
3	5350.000	8.18	34.43	38.43	57.21	61.39	74.00	-12.61	Peak

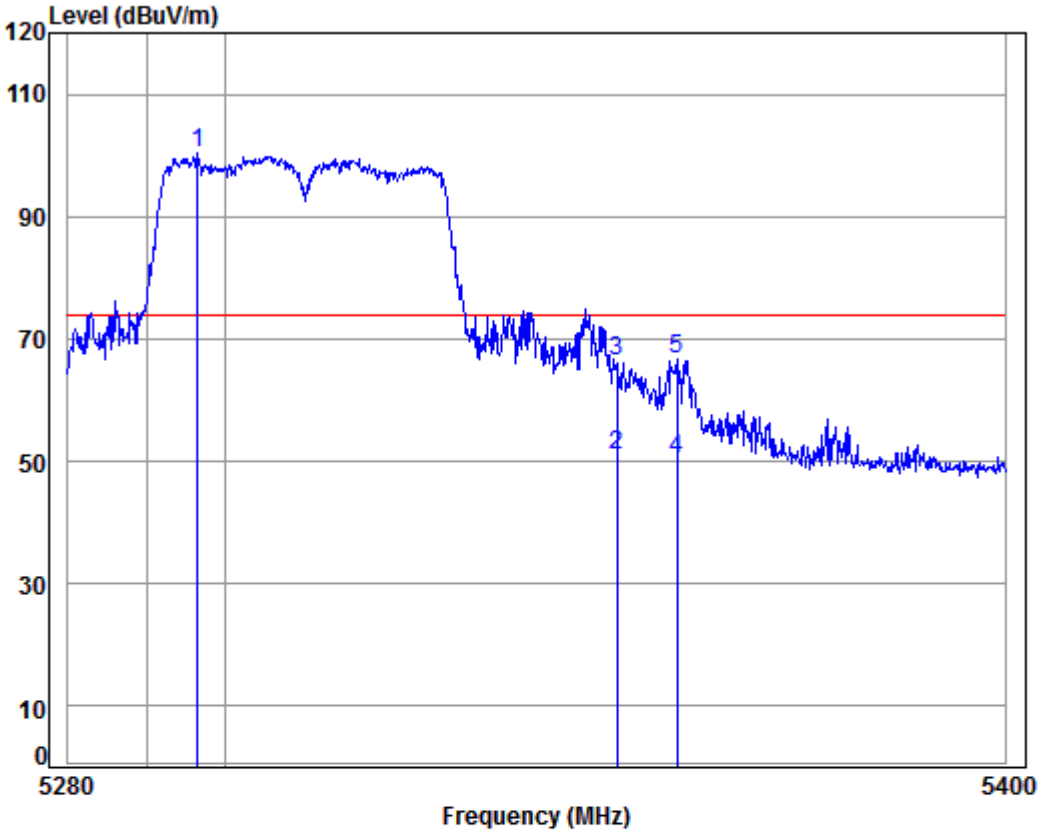
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5310 Band edge
: 5G WIFI-N40 Antenna1

	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	5305.440	8.16	34.44	38.44	95.50	99.66	74.00	25.66	Peak
2	5350.000	8.18	34.43	38.43	45.15	49.33	54.00	-4.67	Average
3	5350.000	8.18	34.43	38.43	61.51	65.69	74.00	-8.31	Peak
4 av	5358.600	8.18	34.43	38.43	45.71	49.89	54.00	-4.11	Average
5	5358.600	8.18	34.43	38.43	62.74	66.92	74.00	-7.08	Peak

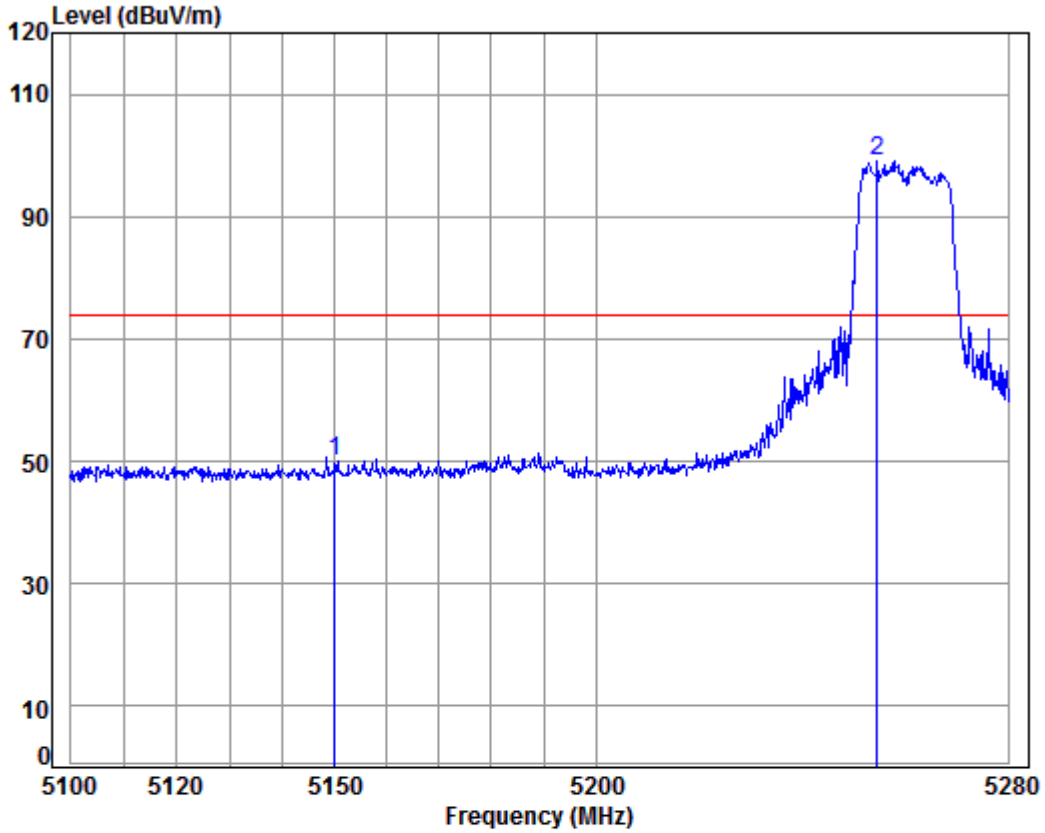
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5310 Band edge
: 5G WIFI-N40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5296.519	8.15	34.44	38.44	96.23	100.38	74.00	26.38	Peak
2	av 5350.000	8.18	34.43	38.43	46.68	50.86	54.00	-3.14	Average
3	5350.000	8.18	34.43	38.43	62.04	66.22	74.00	-7.78	Peak
4	5357.693	8.18	34.43	38.43	46.07	50.25	54.00	-3.75	Average
5	5357.693	8.18	34.43	38.43	62.47	66.65	74.00	-7.35	Peak

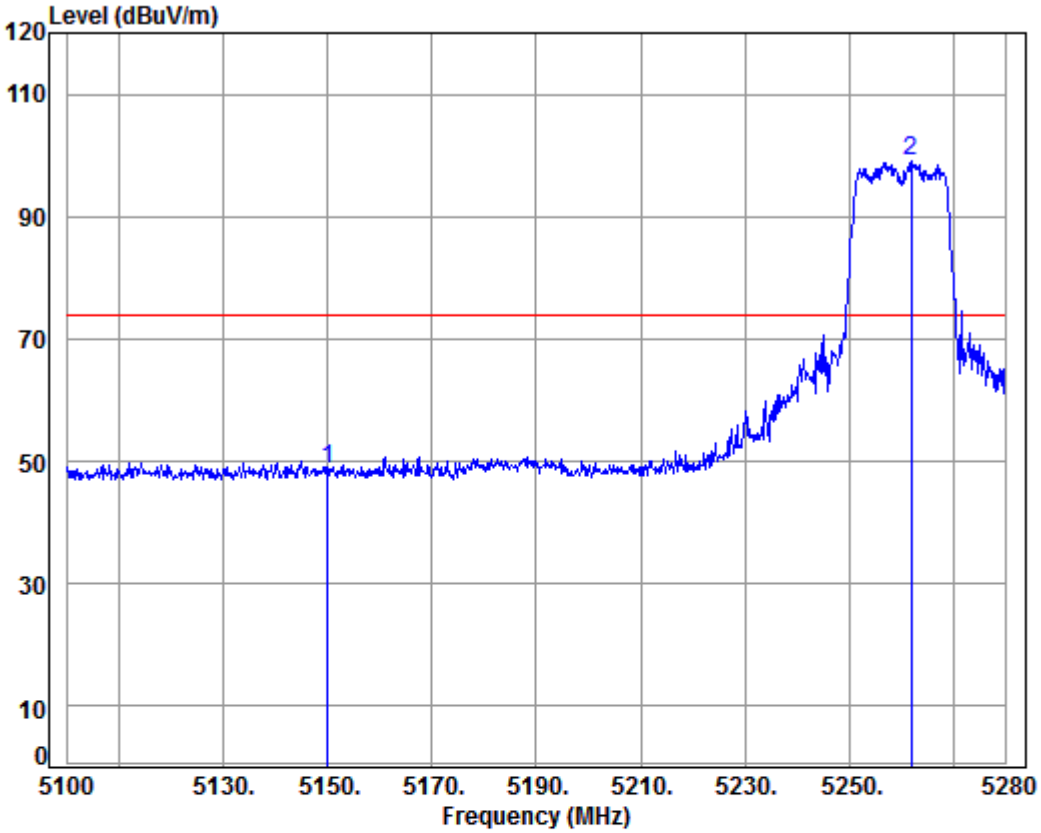
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-AC20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	46.04	50.12	74.00	-23.88	Peak
2 pp	5254.422	8.13	34.45	38.45	95.01	99.14	74.00	25.14	Peak

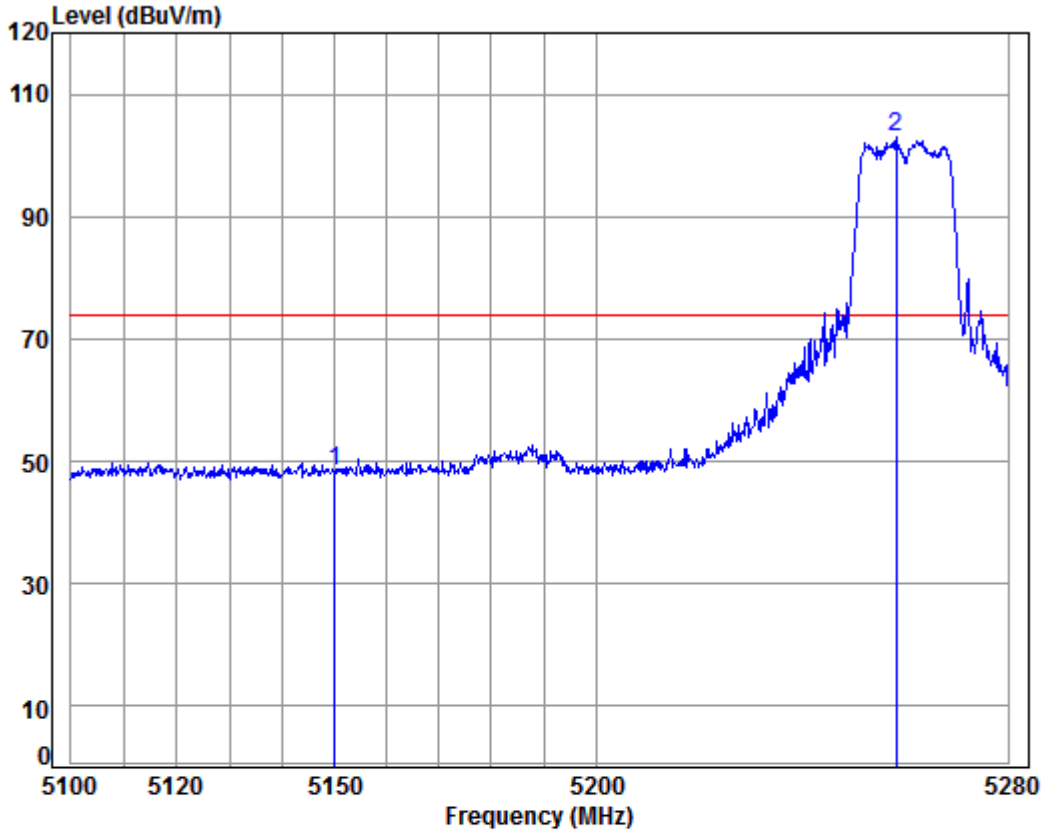
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-AC20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.55	48.63	74.00	-25.37	Peak
2 pp	5262.000	8.13	34.45	38.45	94.80	98.93	74.00	24.93	Peak

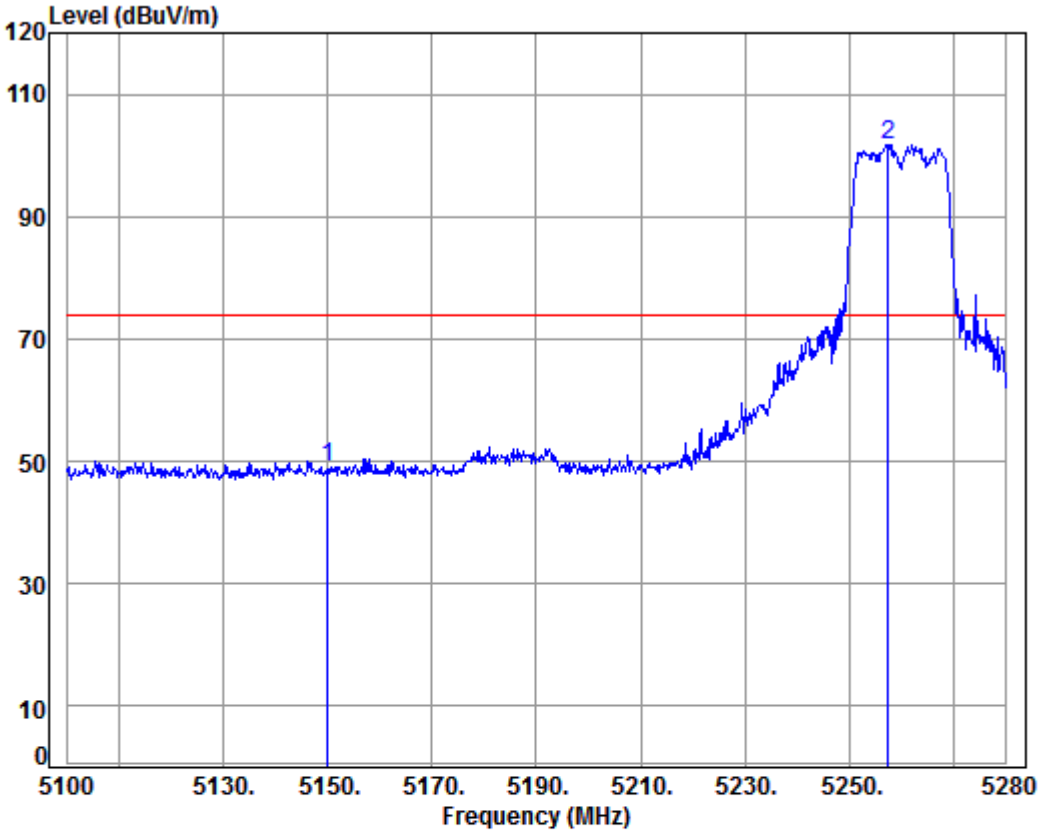
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-AC20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.44	48.52	74.00	-25.48	Peak
2 pp	5258.251	8.13	34.45	38.45	98.97	103.10	74.00	29.10	Peak

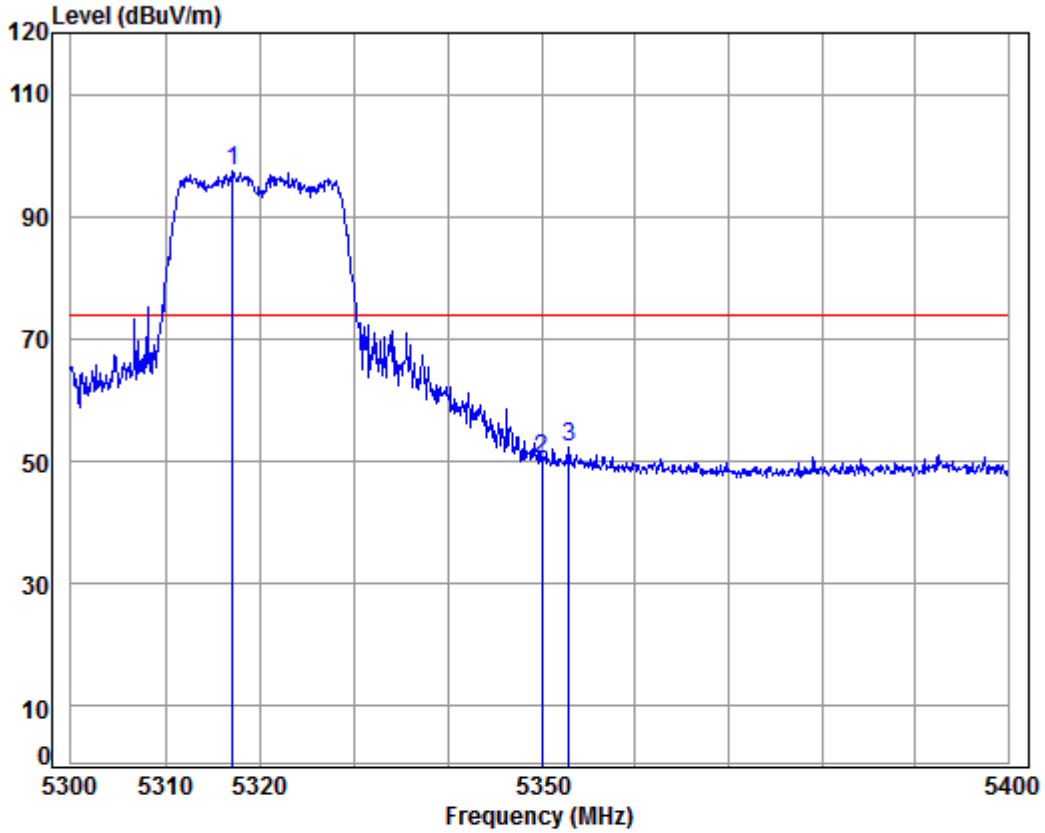
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5260 Band edge
: 5G WIFI-AC20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.83	48.91	74.00	-25.09	Peak
2 pp	5257.500	8.13	34.45	38.45	97.68	101.81	74.00	27.81	Peak

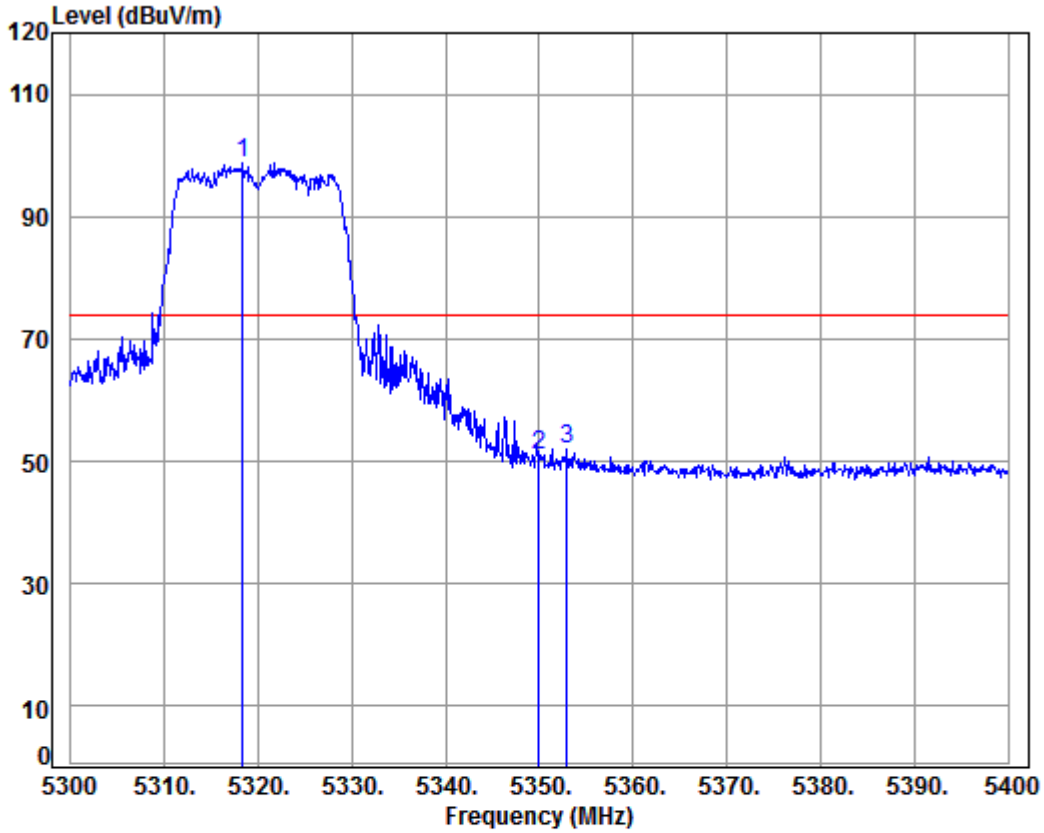
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-AC20 Antenna1

	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	5317.167	8.16	34.44	38.44	93.23	97.39	74.00	23.39	Peak
2	5350.000	8.18	34.43	38.43	46.26	50.44	74.00	-23.56	Peak
3	5352.967	8.18	34.43	38.43	48.18	52.36	74.00	-21.64	Peak

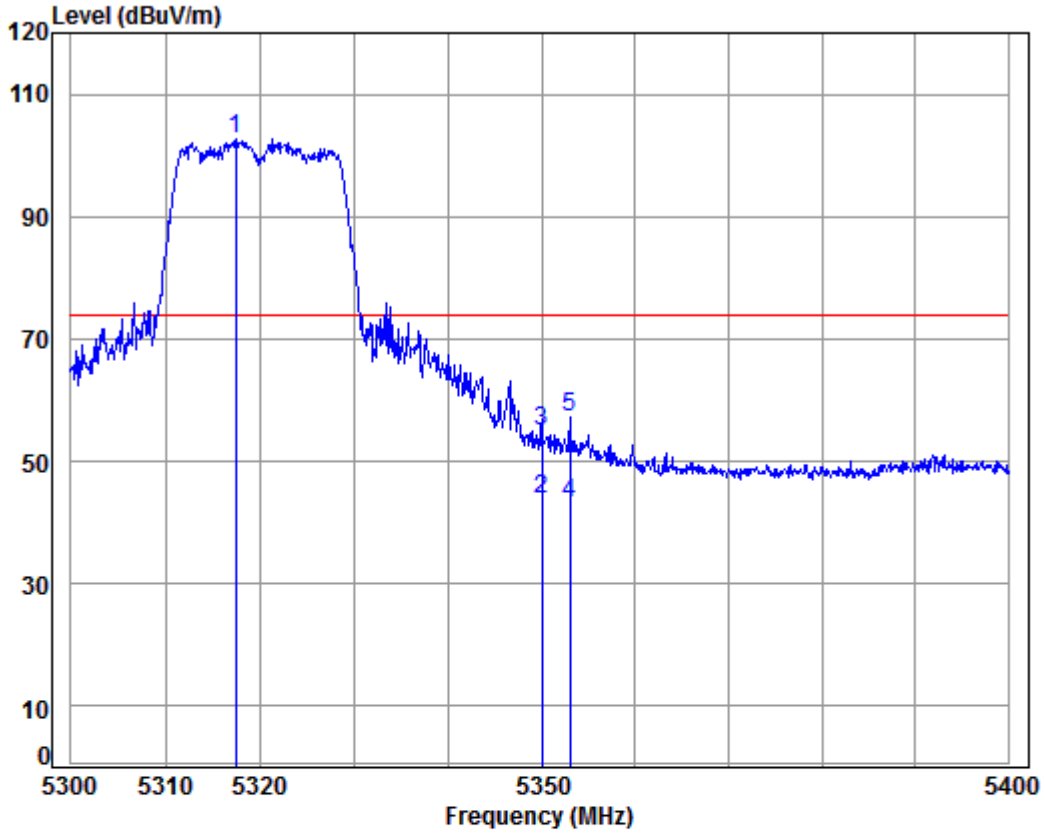
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-AC20Antenna2

	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	5318.300	8.16	34.44	38.44	94.65	98.81	74.00	24.81	Peak
2	5350.000	8.18	34.43	38.43	46.69	50.87	74.00	-23.13	Peak
3	5352.900	8.18	34.43	38.43	47.78	51.96	74.00	-22.04	Peak

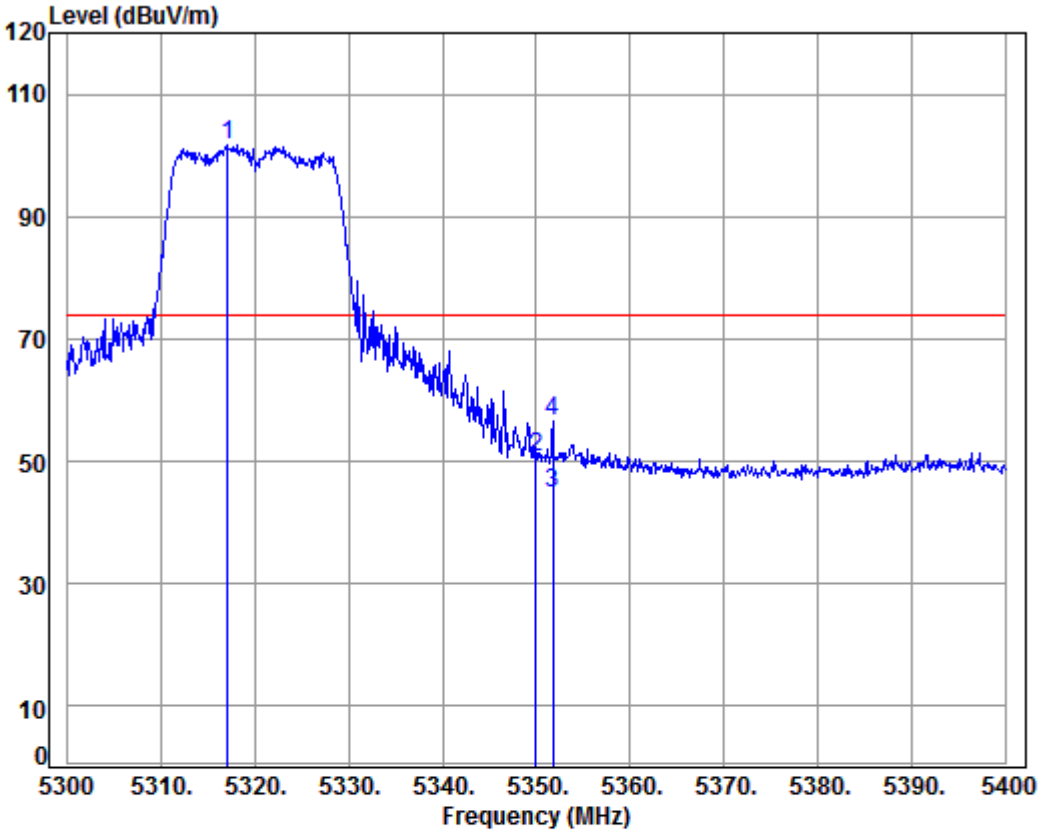
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-AC20 Antenna1

	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 5317.465	8.16	34.44	38.44	98.39	102.55	74.00	28.55	Peak
2	av 5350.000	8.18	34.43	38.43	39.52	43.70	54.00	-10.30	Average
3	5350.000	8.18	34.43	38.43	50.75	54.93	74.00	-19.07	Peak
4	5353.067	8.18	34.43	38.43	39.12	43.30	54.00	-10.70	Average
5	5353.067	8.18	34.43	38.43	53.11	57.29	74.00	-16.71	Peak

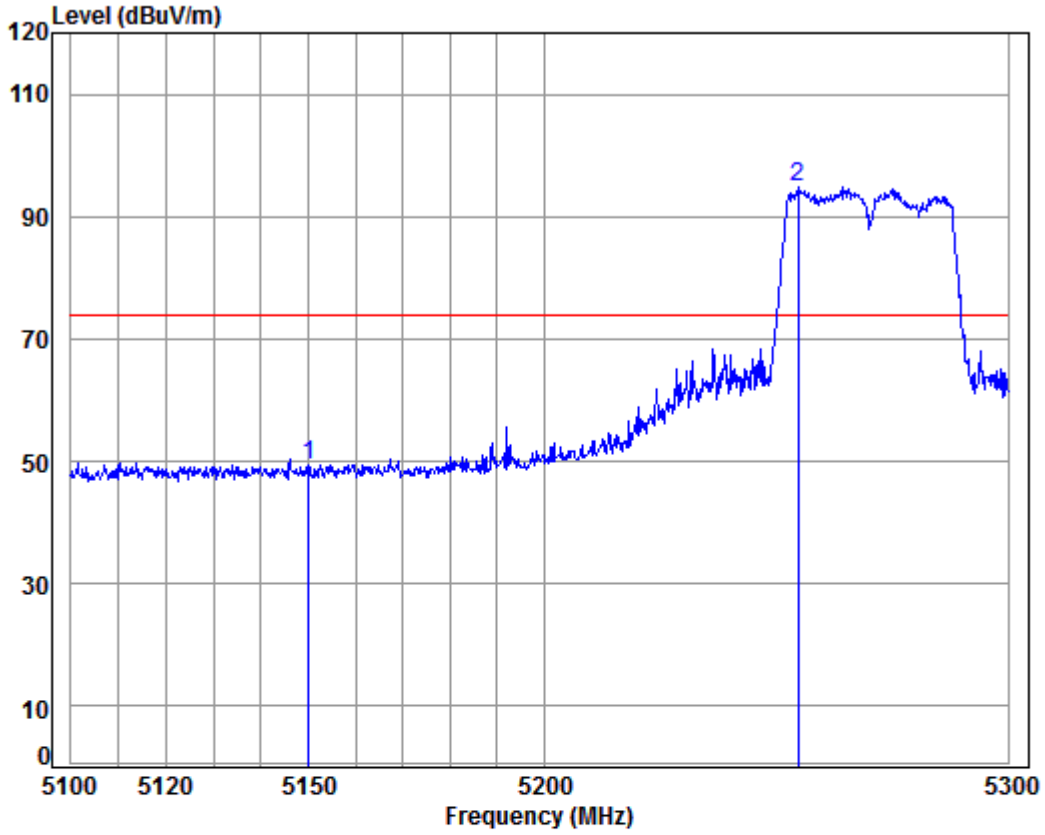
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5320 Band edge
: 5G WIFI-AC20Antenna2

	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 5317.100	8.16	34.44	38.44	97.65	101.81	74.00	27.81	Peak
2	5350.000	8.18	34.43	38.43	46.41	50.59	74.00	-23.41	Peak
3	av 5351.800	8.18	34.43	38.43	40.71	44.89	54.00	-9.11	Average
4	5351.800	8.18	34.43	38.43	52.27	56.45	74.00	-17.55	Peak

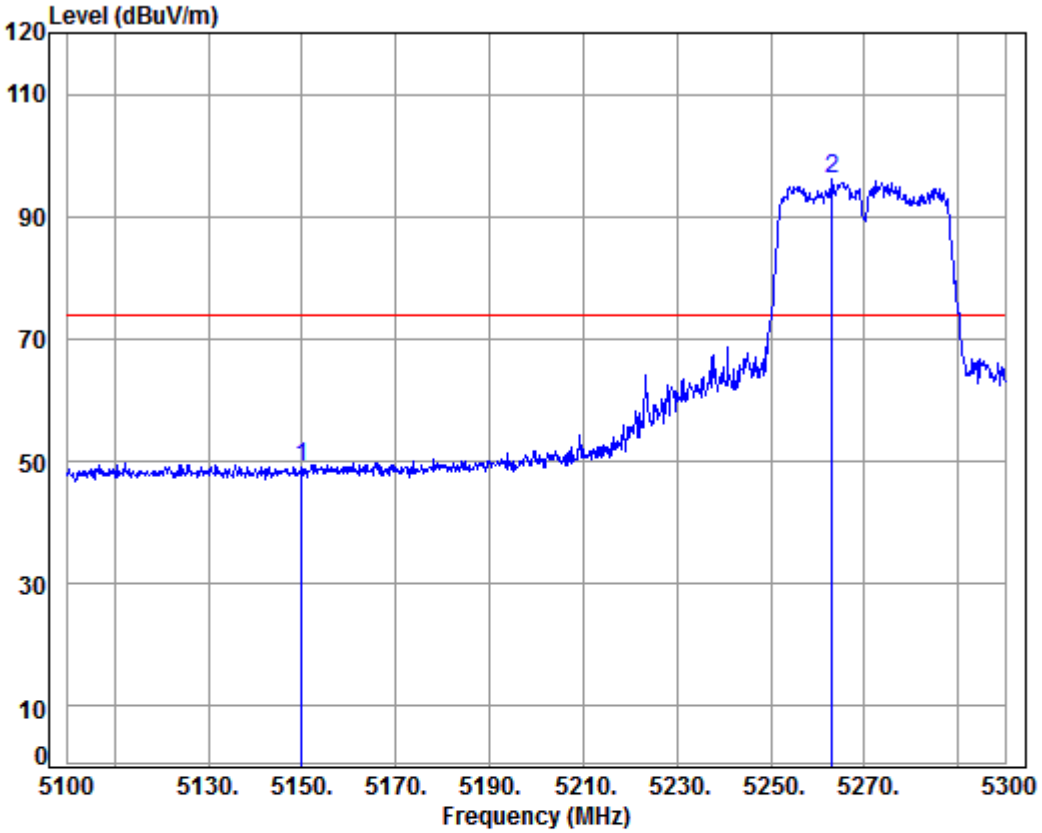
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5270 Band edge
: 5G WIFI-AC40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.45	49.53	74.00	-24.47	Peak
2 pp	5254.529	8.13	34.45	38.45	90.71	94.84	74.00	20.84	Peak

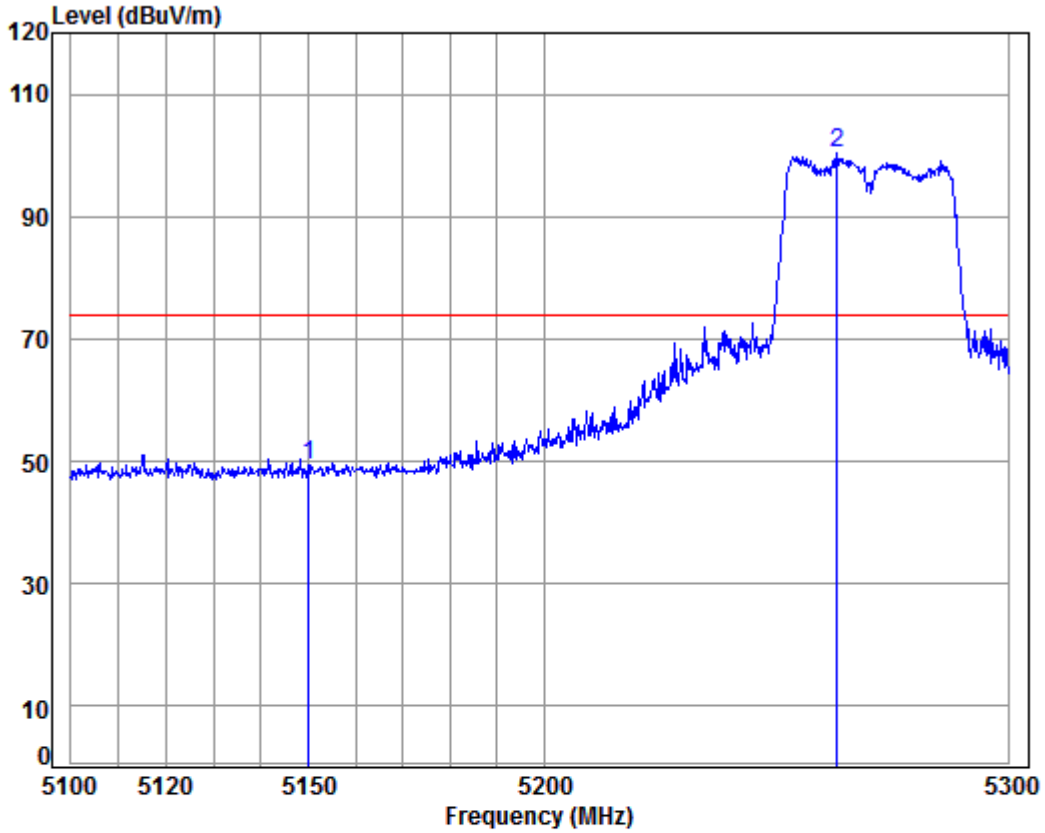
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5270 Band edge
: 5G WIFI-AC40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.89	48.97	74.00	-25.03	Peak
2 pp	5263.200	8.13	34.45	38.45	92.09	96.22	74.00	22.22	Peak

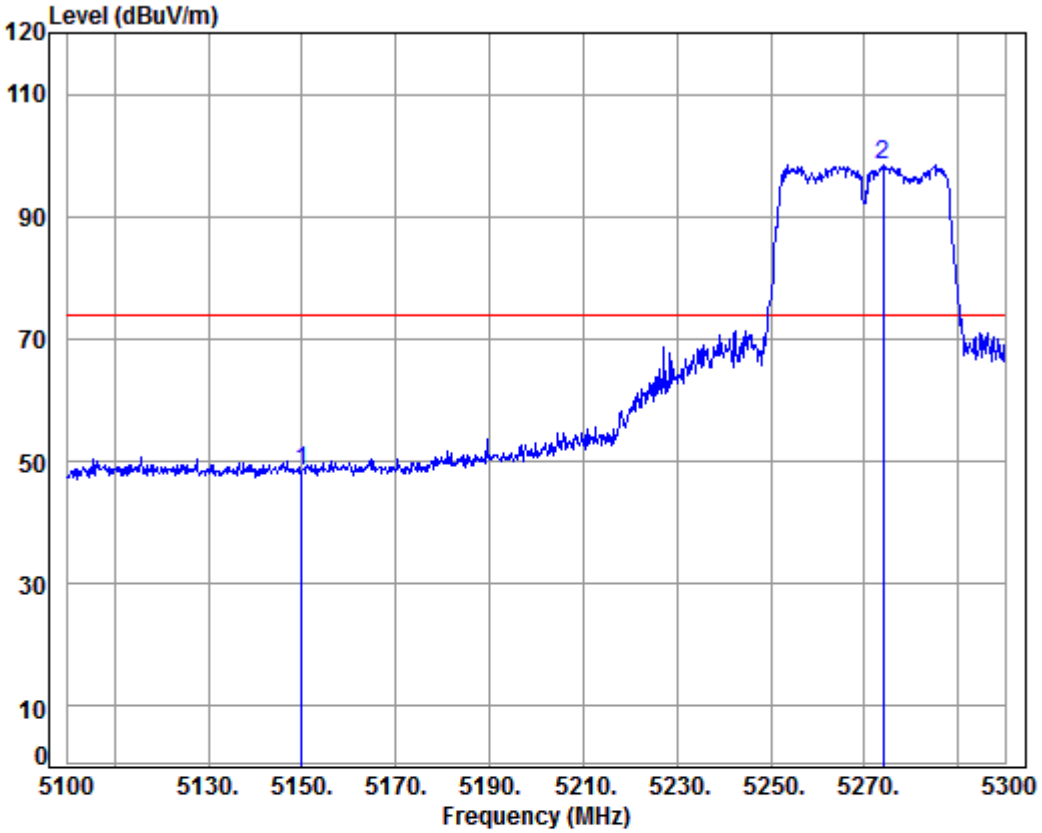
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5270 Band edge
: 5G WIFI-AC40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.16	49.24	74.00	-24.76	Peak
2 pp	5263.025	8.13	34.45	38.45	96.39	100.52	74.00	26.52	Peak

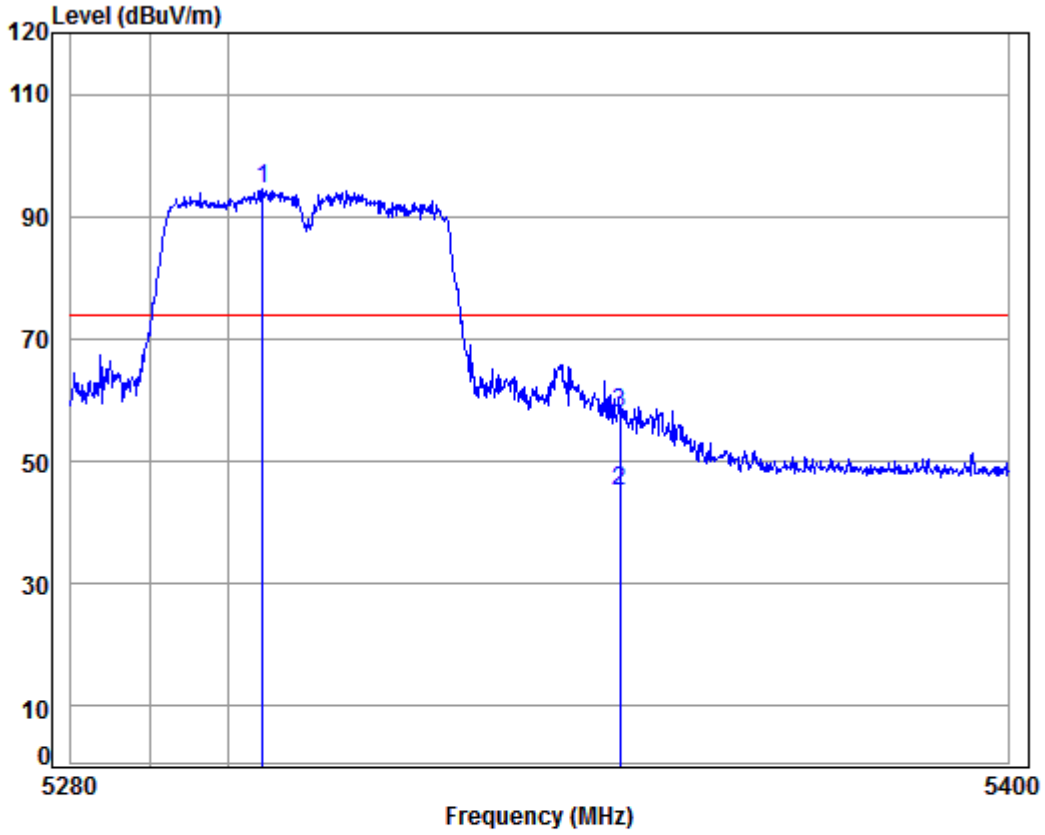
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5270 Band edge
: 5G WIFI-AC40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.40	48.48	74.00	-25.52	Peak
2 pp	5274.000	8.14	34.44	38.45	94.29	98.42	74.00	24.42	Peak

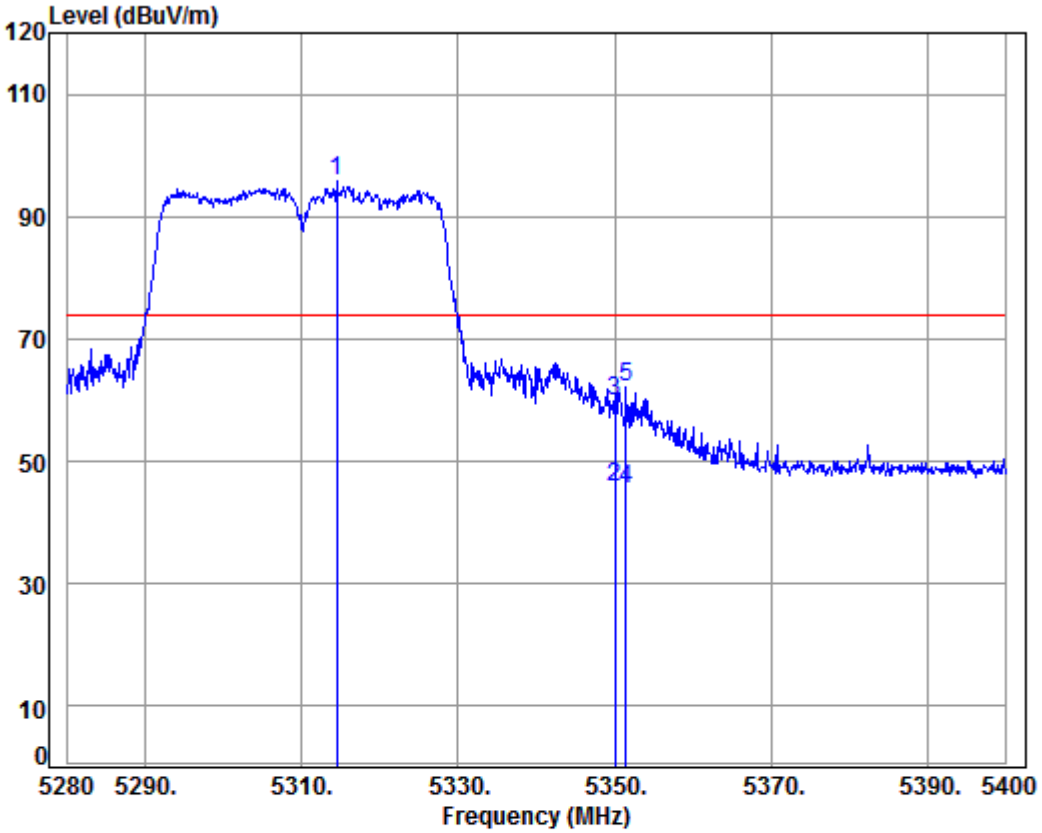
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5310 Band edge
: 5G WIFI-AC40 Antenna1

	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 5304.381	8.16	34.44	38.44	90.18	94.34	74.00	20.34	Peak
2	av 5350.000	8.18	34.43	38.43	40.86	45.04	54.00	-8.96	Average
3	5350.000	8.18	34.43	38.43	53.79	57.97	74.00	-16.03	Peak

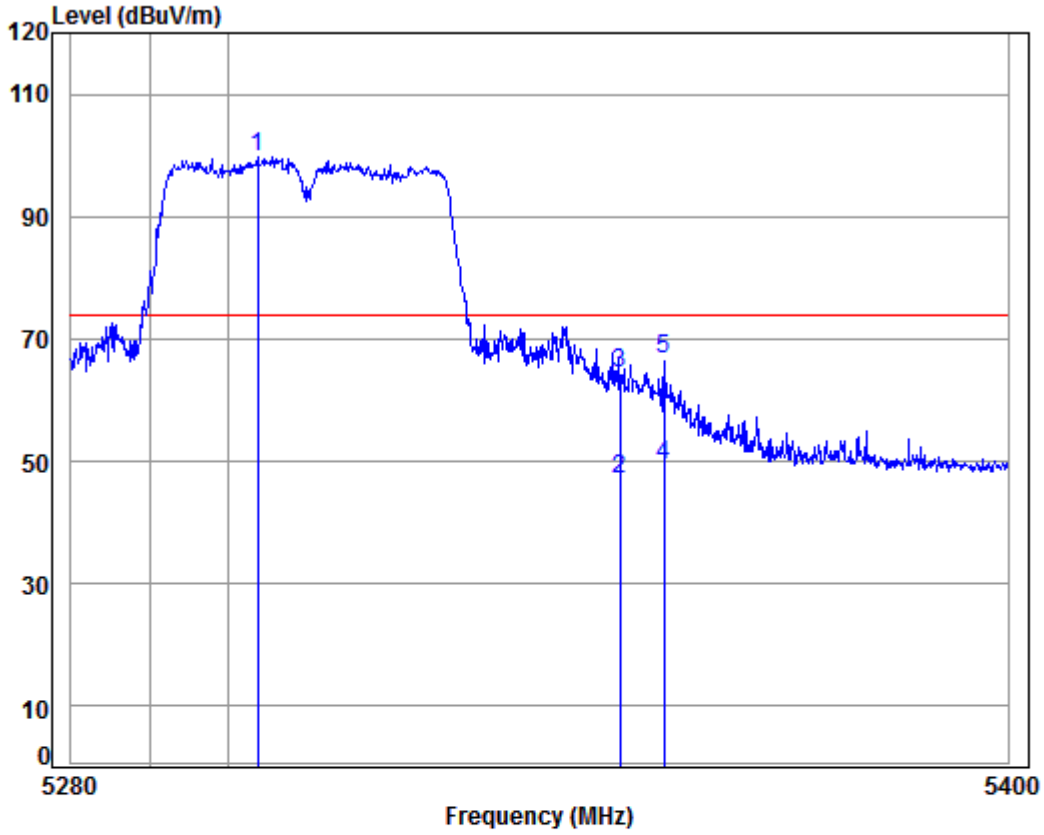
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5310 Band edge
: 5G WIFI-AC40Antenna2

		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	5314.440	8.16	34.44	38.44	91.71	95.87	74.00	21.87	Peak
2	av	5350.000	8.18	34.43	38.43	41.75	45.93	54.00	-8.07	Average
3		5350.000	8.18	34.43	38.43	55.60	59.78	74.00	-14.22	Peak
4		5351.520	8.18	34.43	38.43	41.11	45.29	54.00	-8.71	Average
5		5351.520	8.18	34.43	38.43	57.80	61.98	74.00	-12.02	Peak

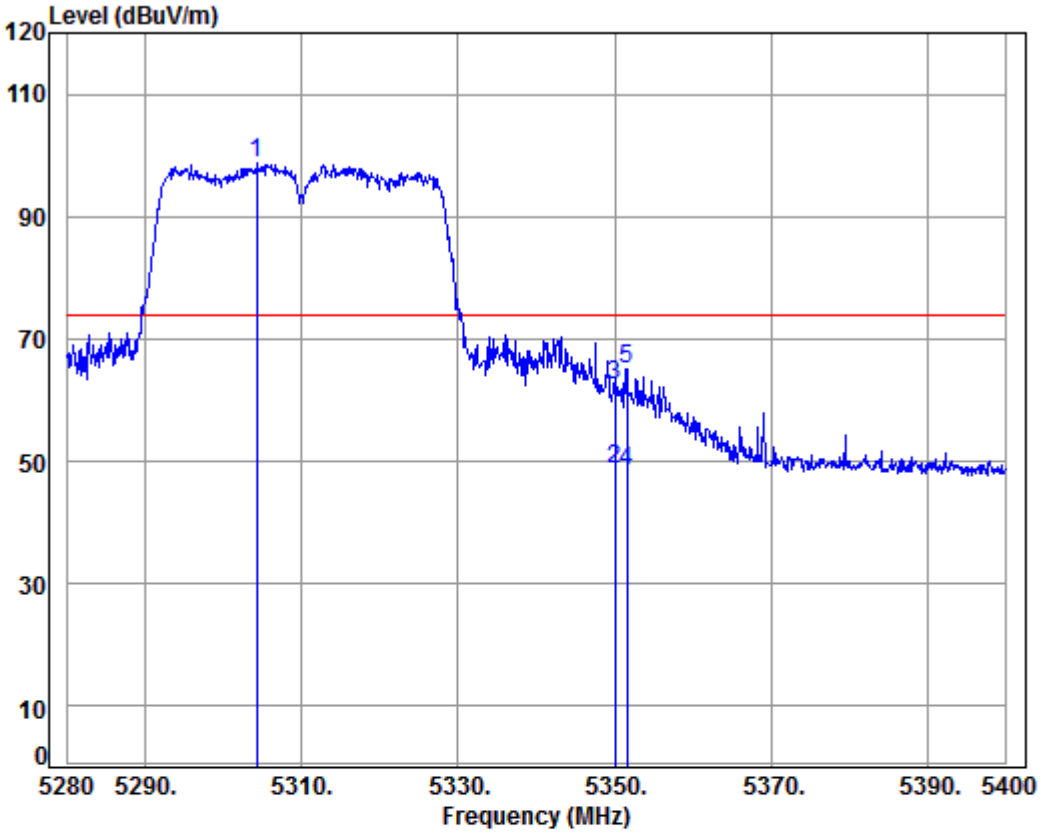
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5310 Band edge
: 5G WIFI-AC40 Antenna1

	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	5303.666	8.15	34.44	38.44	95.68	99.83	74.00	25.83	Peak
2	5350.000	8.18	34.43	38.43	42.85	47.03	54.00	-6.97	Average
3	5350.000	8.18	34.43	38.43	60.28	64.46	74.00	-9.54	Peak
4 av	5355.646	8.18	34.43	38.43	45.29	49.47	54.00	-4.53	Average
5	5355.646	8.18	34.43	38.43	62.51	66.69	74.00	-7.31	Peak

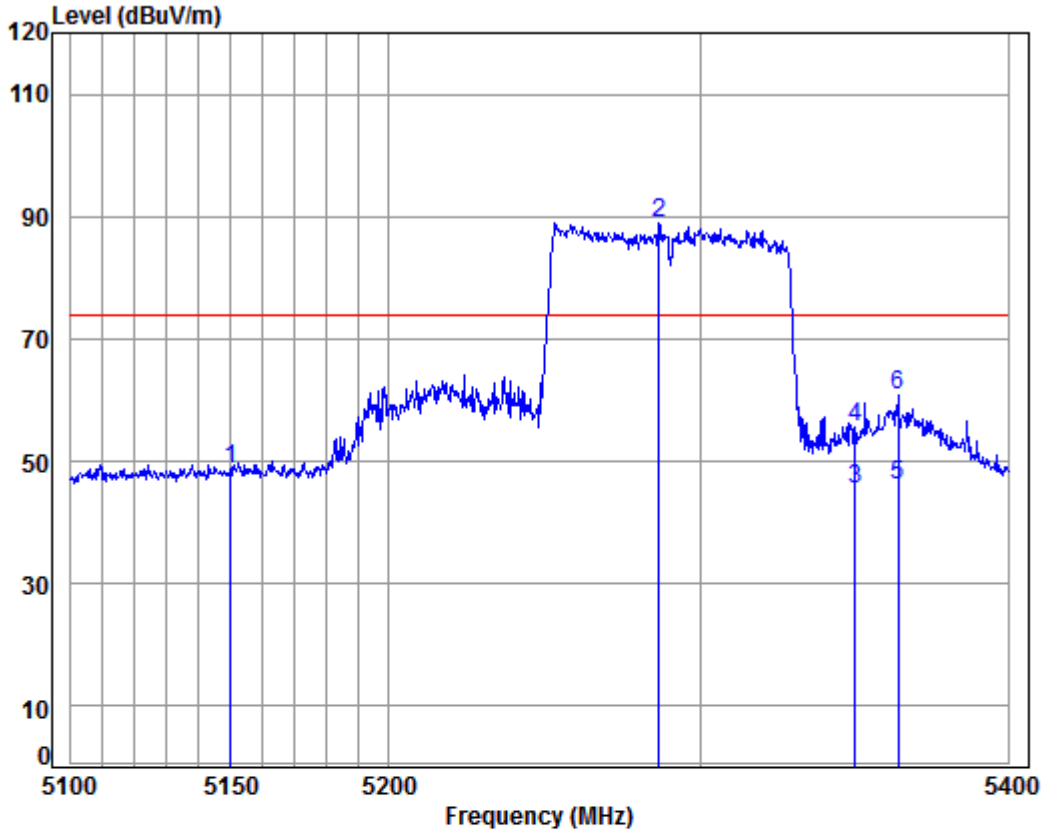
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5310 Band edge
: 5G WIFI-AC40Antenna2

		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	5304.240	8.15	34.44	38.44	94.50	98.65	74.00	24.65	Peak
2	av	5350.000	8.18	34.43	38.43	44.66	48.84	54.00	-5.16	Average
3		5350.000	8.18	34.43	38.43	58.37	62.55	74.00	-11.45	Peak
4		5351.640	8.18	34.43	38.43	44.07	48.25	54.00	-5.75	Average
5		5351.640	8.18	34.43	38.43	60.90	65.08	74.00	-8.92	Peak

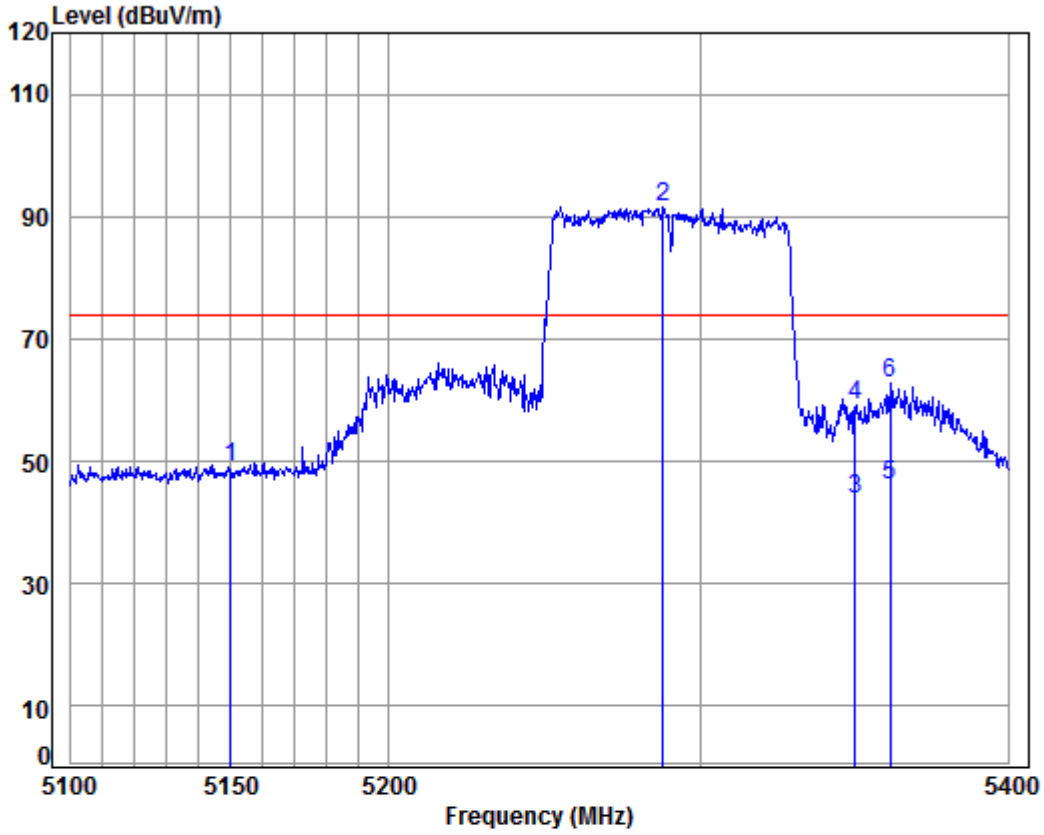
Antenna 1:Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5290 Band edge
: 5G WIFI-AC80 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.56	48.64	74.00	-25.36	Peak
2 pp	5286.392	8.15	34.44	38.44	84.71	88.86	74.00	14.86	Peak
3	5350.000	8.18	34.43	38.43	41.37	45.55	54.00	-8.45	Average
4	5350.000	8.18	34.43	38.43	51.54	55.72	74.00	-18.28	Peak
5 av	5364.008	8.18	34.43	38.43	41.97	46.15	54.00	-7.85	Average
6	5364.008	8.18	34.43	38.43	56.51	60.69	74.00	-13.31	Peak

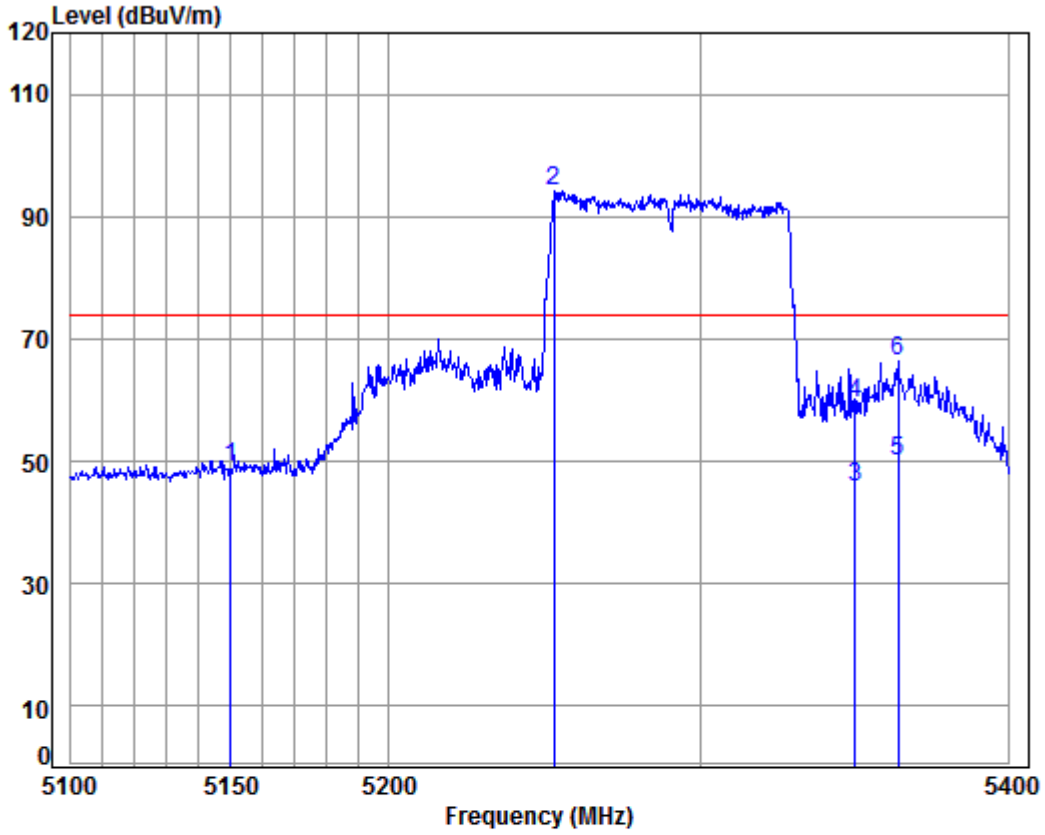
Antenna 2:Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5290 Band edge
: 5G WIFI-AC80Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.00	49.08	74.00	-24.92	Peak
2 pp	5287.601	8.15	34.44	38.44	87.29	91.44	74.00	17.44	Peak
3	5350.000	8.18	34.43	38.43	39.65	43.83	54.00	-10.17	Average
4	5350.000	8.18	34.43	38.43	54.95	59.13	74.00	-14.87	Peak
5 av	5361.249	8.18	34.43	38.43	42.04	46.22	54.00	-7.78	Average
6	5361.249	8.18	34.43	38.43	58.73	62.91	74.00	-11.09	Peak

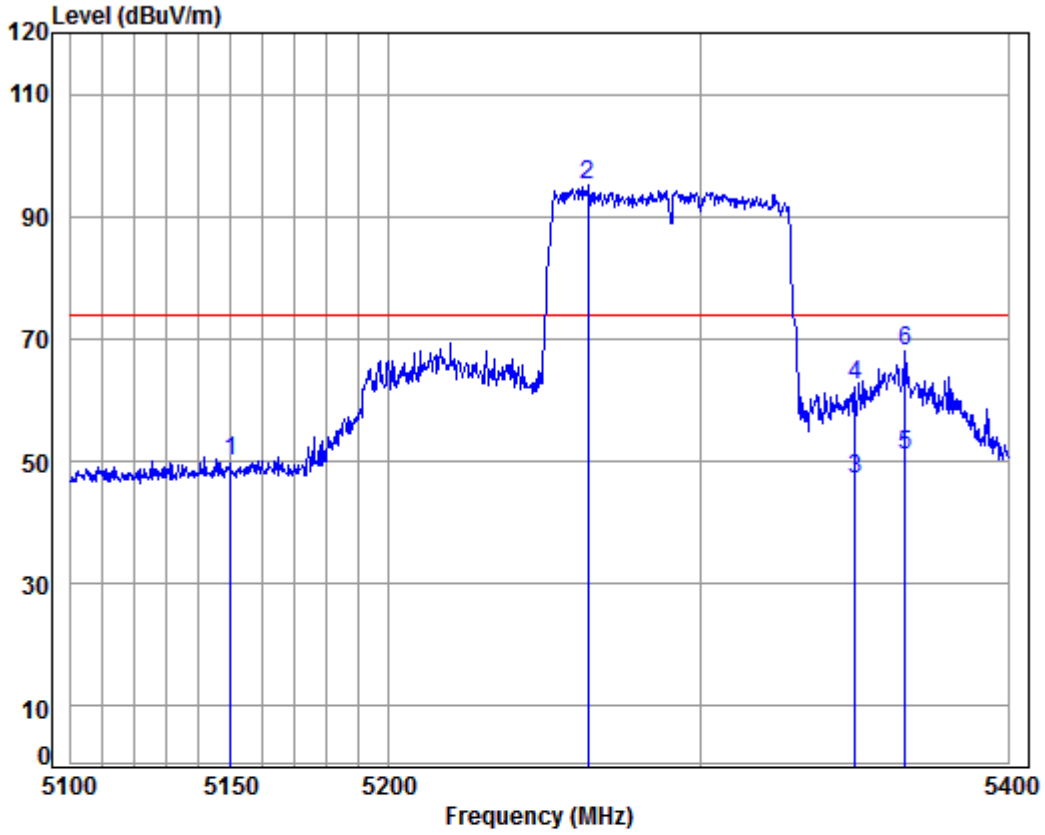
Antenna 1:Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5290 Band edge
: 5G WIFI-AC80 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	44.87	48.95	74.00	-25.05	Peak
2 pp	5252.658	8.13	34.45	38.45	90.04	94.17	74.00	20.17	Peak
3	5350.000	8.18	34.43	38.43	41.76	45.94	54.00	-8.06	Average
4	5350.000	8.18	34.43	38.43	55.33	59.51	74.00	-14.49	Peak
5 av	5364.008	8.18	34.43	38.43	45.75	49.93	54.00	-4.07	Average
6	5364.008	8.18	34.43	38.43	62.05	66.23	74.00	-7.77	Peak

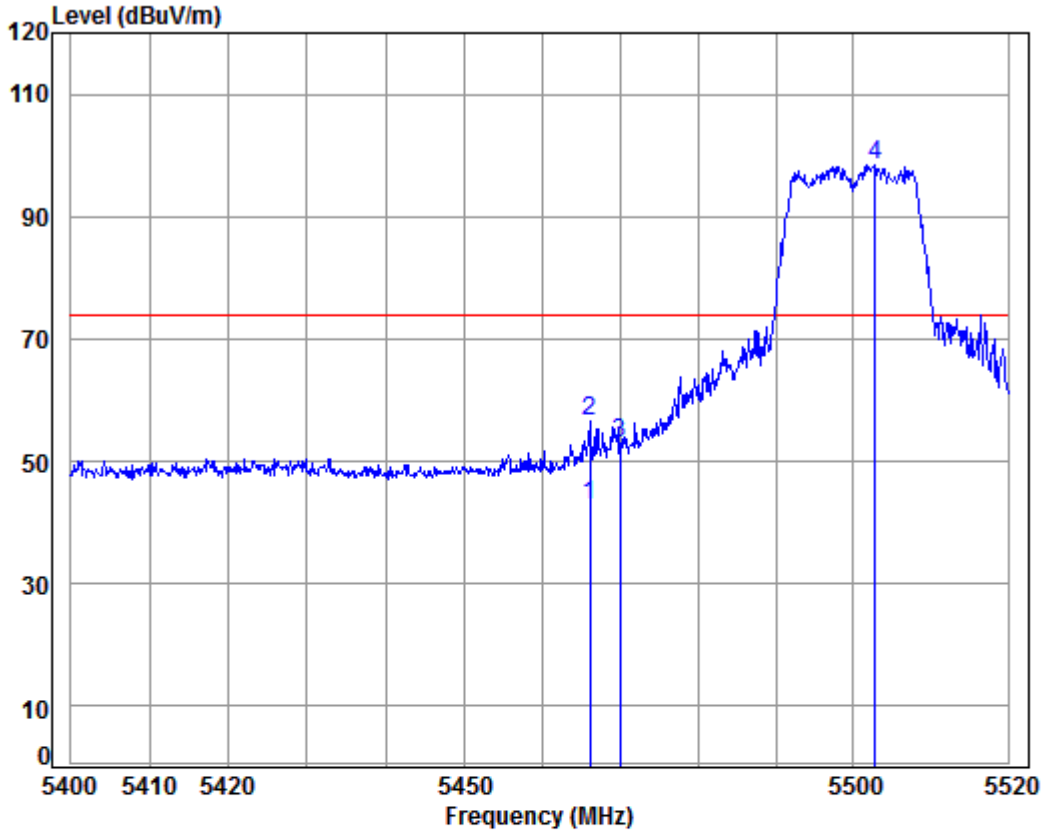
Antenna 2:Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5290 Band edge
: 5G WIFI-AC80Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.000	8.08	34.47	38.47	45.90	49.98	74.00	-24.02	Peak
2 pp	5263.478	8.13	34.45	38.45	91.05	95.18	74.00	21.18	Peak
3	5350.000	8.18	34.43	38.43	42.77	46.95	54.00	-7.05	Average
4	5350.000	8.18	34.43	38.43	58.42	62.60	74.00	-11.40	Peak
5 av	5366.154	8.19	34.43	38.43	46.70	50.89	54.00	-3.11	Average
6	5366.154	8.19	34.43	38.43	63.67	67.86	74.00	-6.14	Peak

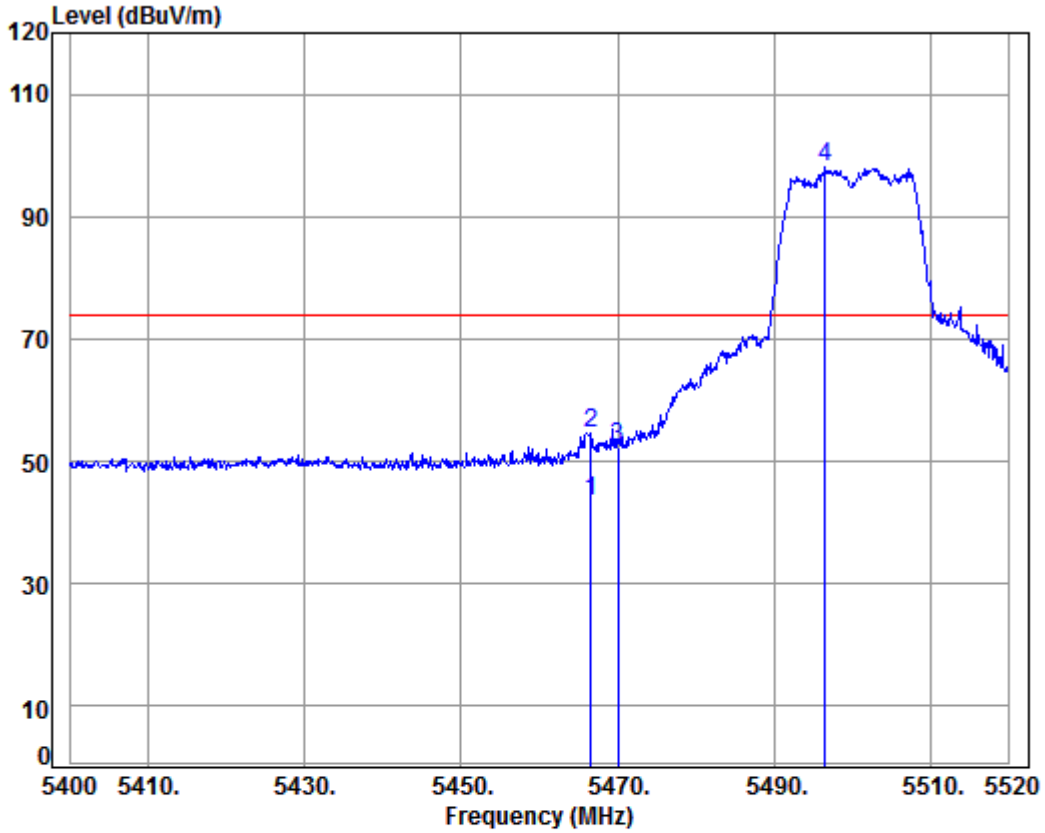
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-A20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5466.154	8.23	34.41	38.41	38.51	42.74	54.00	-11.26	Average
2	5466.154	8.23	34.41	38.41	52.42	56.65	74.00	-17.35	Peak
3	5470.000	8.24	34.41	38.41	48.75	52.99	74.00	-21.01	Peak
4 pp	5502.799	8.25	34.40	38.40	94.22	98.47	74.00	24.47	Peak

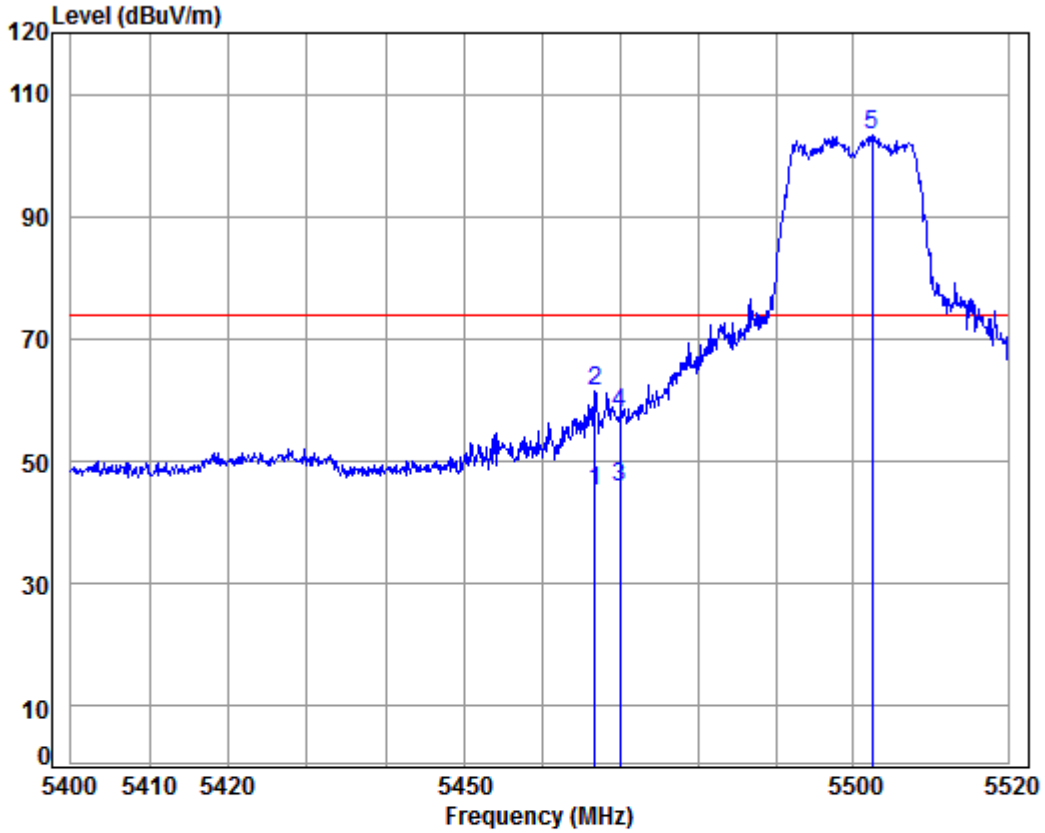
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-A20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5466.600	8.23	34.41	38.41	39.22	43.45	54.00	-10.55	Average
2	5466.600	8.23	34.41	38.41	50.41	54.64	74.00	-19.36	Peak
3	5470.000	8.24	34.41	38.41	48.20	52.44	74.00	-21.56	Peak
4 pp	5496.600	8.25	34.40	38.40	93.69	97.94	74.00	23.94	Peak

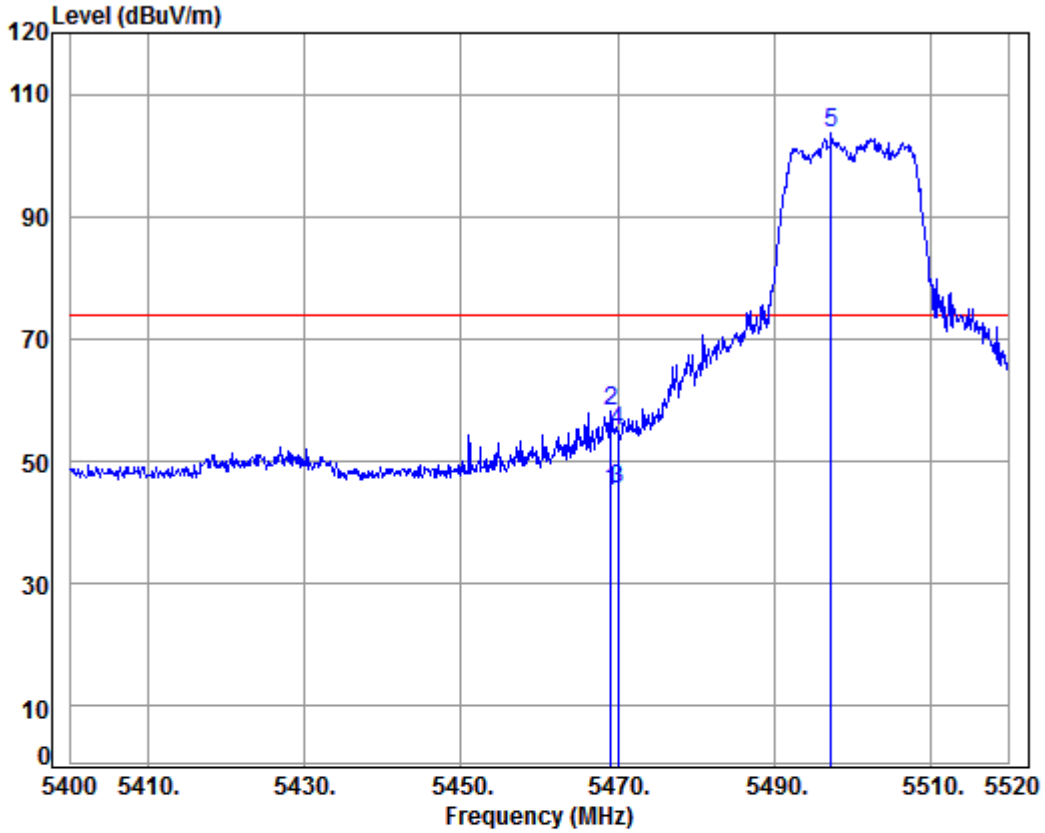
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-A20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5466.755	8.23	34.41	38.41	40.95	45.18	54.00	-8.82	Average
2	5466.755	8.23	34.41	38.41	57.10	61.33	74.00	-12.67	Peak
3 av	5470.000	8.24	34.41	38.41	41.59	45.83	54.00	-8.17	Average
4	5470.000	8.24	34.41	38.41	53.59	57.83	74.00	-16.17	Peak
5 pp	5502.436	8.25	34.40	38.40	98.92	103.17	74.00	29.17	Peak

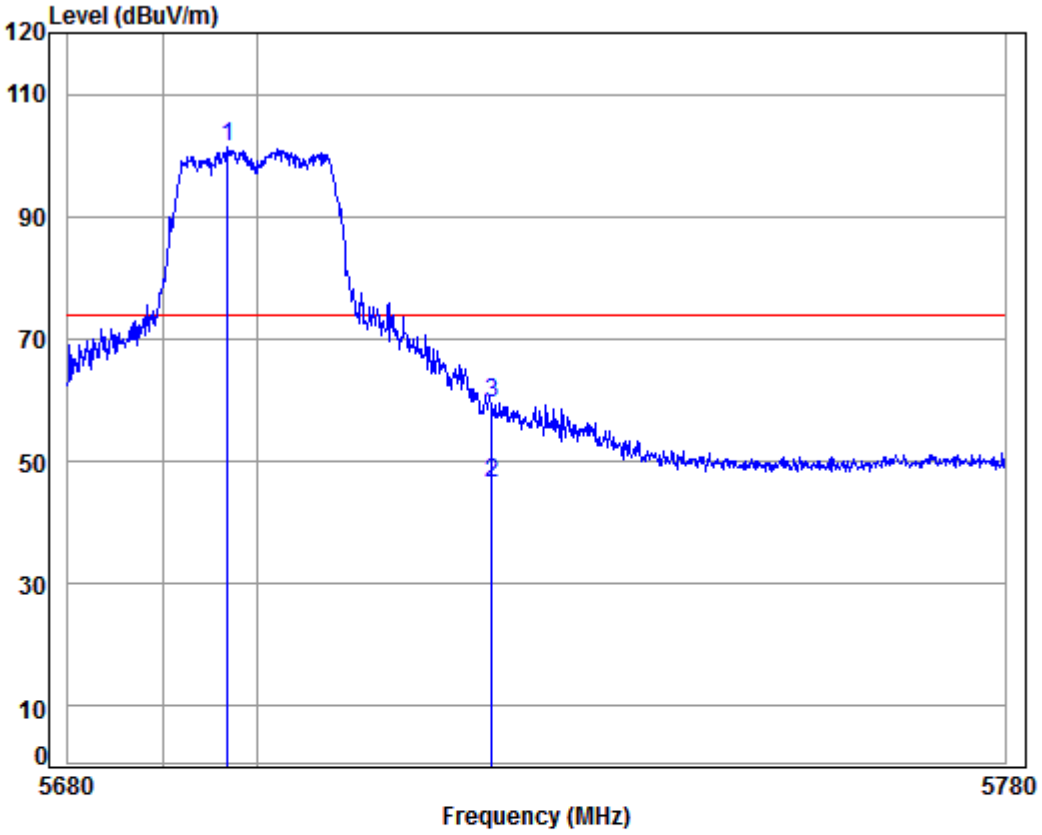
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-A20Antenna2

	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	5469.120	8.24	34.41	38.41	40.87	45.11	54.00	-8.89	Average
2	5469.120	8.24	34.41	38.41	53.83	58.07	74.00	-15.93	Peak
3 av	5470.000	8.24	34.41	38.41	41.16	45.40	54.00	-8.60	Average
4	5470.000	8.24	34.41	38.41	50.70	54.94	74.00	-19.06	Peak
5 pp	5497.320	8.25	34.40	38.40	99.53	103.78	74.00	29.78	Peak

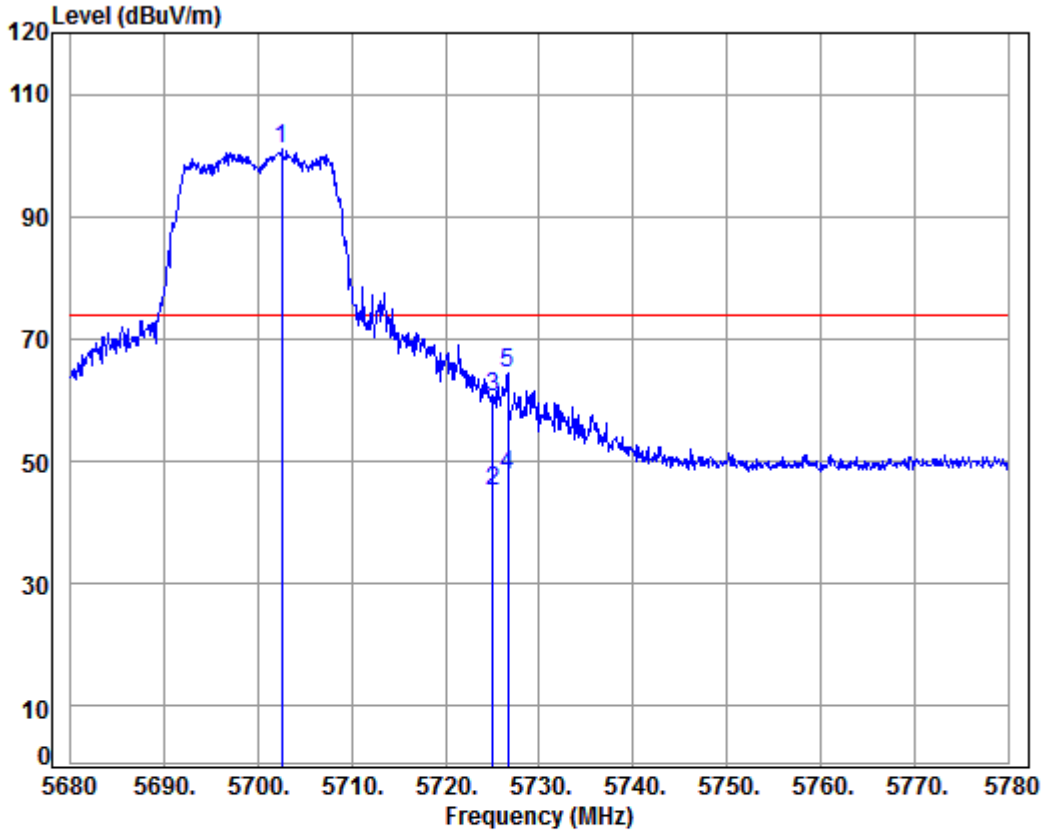
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-A20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5696.977	8.45	34.52	38.36	96.83	101.44	74.00	27.44	Peak
2	av 5725.000	8.48	34.54	38.35	41.74	46.41	54.00	-7.59	Average
3	5725.000	8.48	34.54	38.35	55.00	59.67	74.00	-14.33	Peak

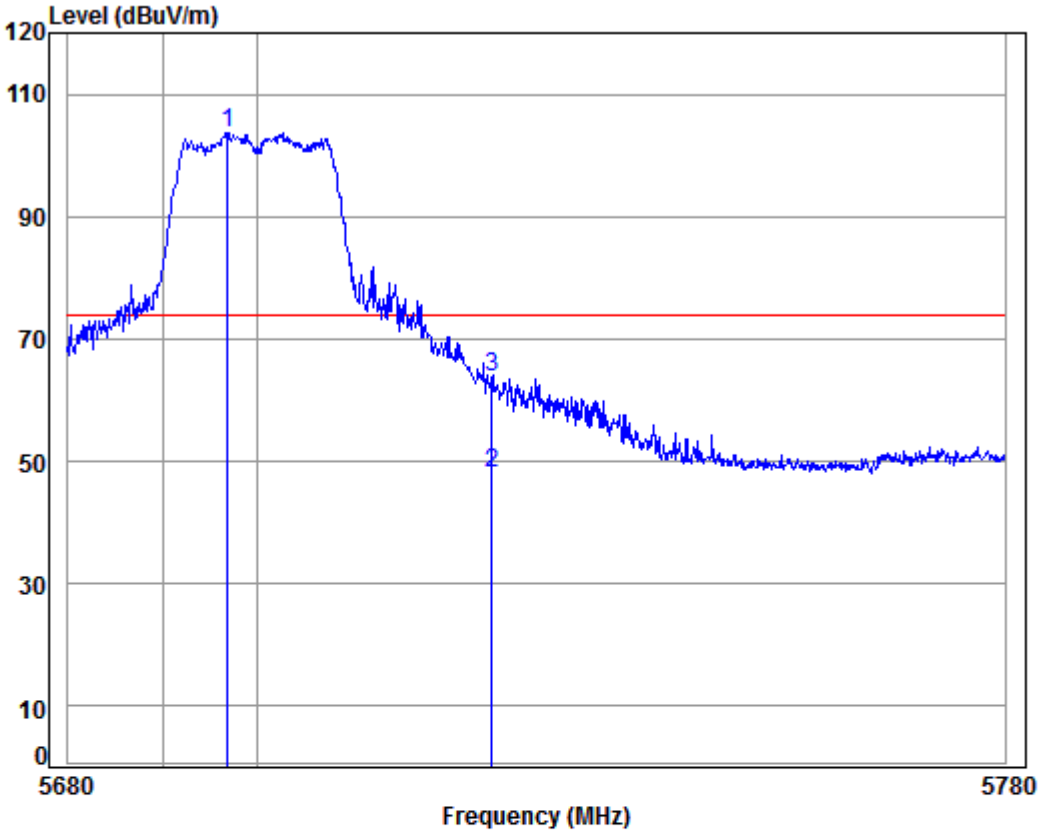
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-A20Antenna2

		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	5702.500	8.46	34.52	38.36	96.34	100.96	74.00	26.96	Peak
2		5725.000	8.48	34.54	38.35	40.60	45.27	54.00	-8.73	Average
3		5725.000	8.48	34.54	38.35	55.92	60.59	74.00	-13.41	Peak
4	av	5726.600	8.48	34.54	38.35	43.17	47.84	54.00	-6.16	Average
5		5726.600	8.48	34.54	38.35	59.70	64.37	74.00	-9.63	Peak

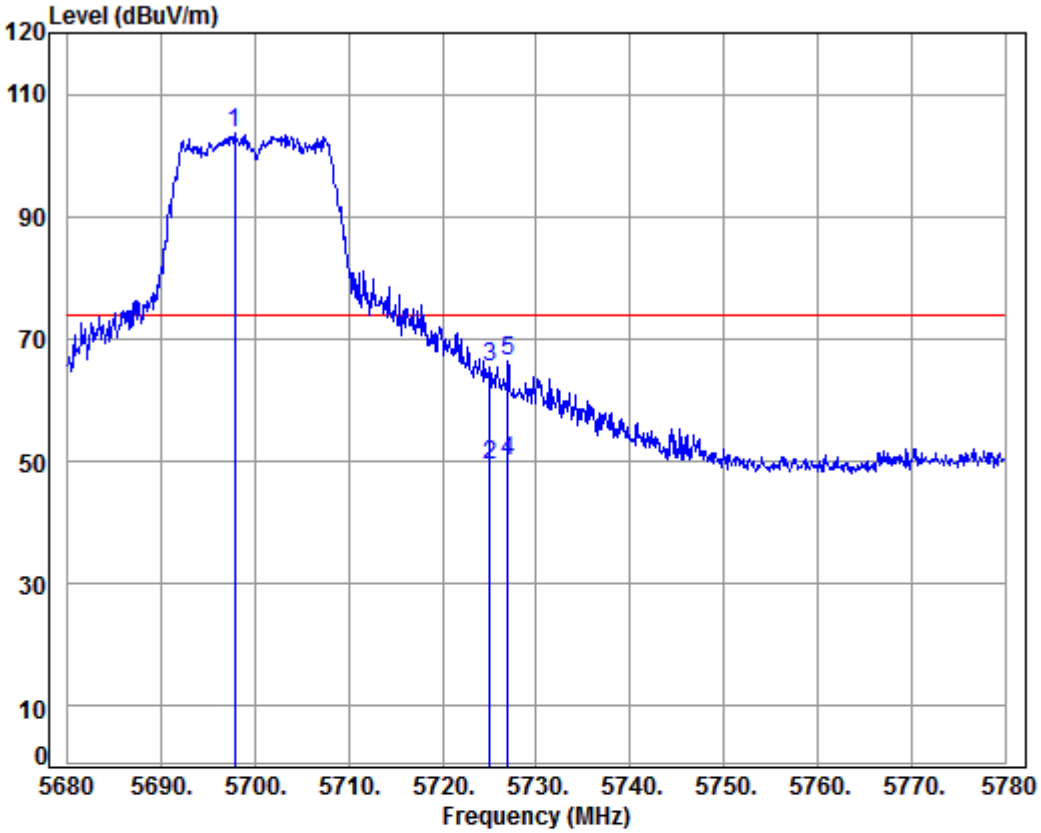
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-A20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5696.977	8.45	34.52	38.36	99.16	103.77	74.00	29.77	Peak
2	av 5725.000	8.48	34.54	38.35	43.35	48.02	54.00	-5.98	Average
3	5725.000	8.48	34.54	38.35	59.22	63.89	74.00	-10.11	Peak

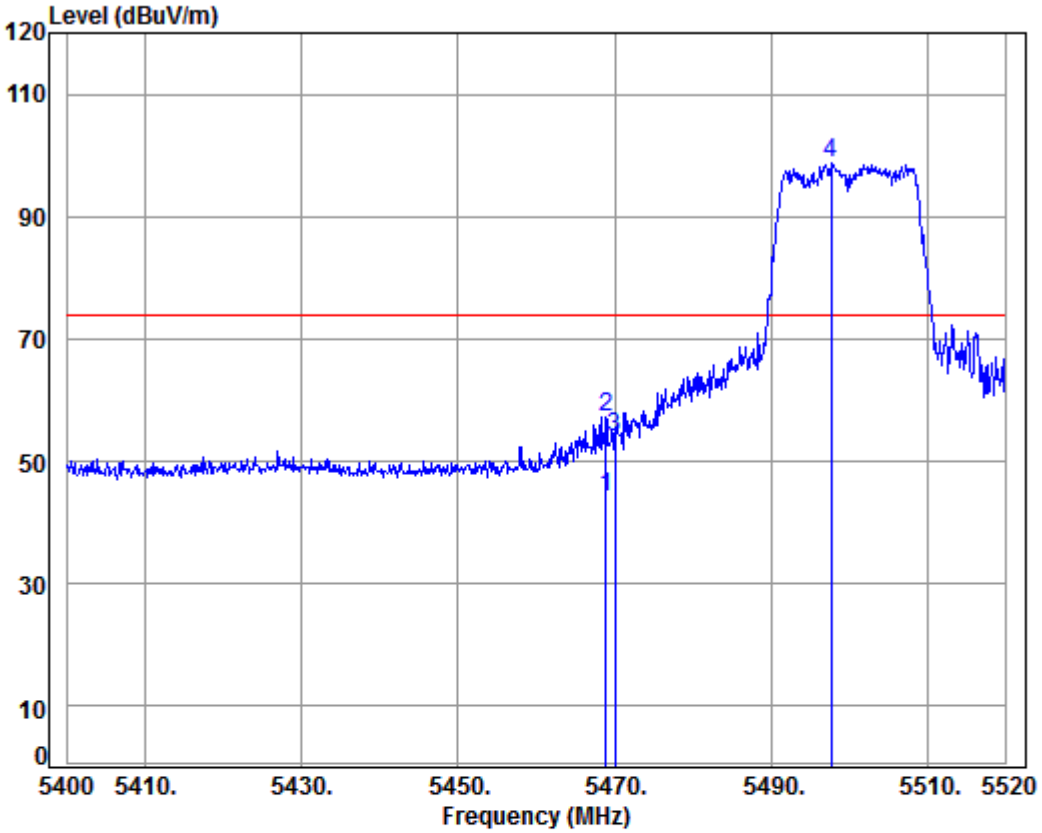
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-A20Antenna2

	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 5697.800	8.45	34.52	38.36	98.91	103.52	74.00	29.52	Peak
2	5725.000	8.48	34.54	38.35	44.56	49.23	54.00	-4.77	Average
3	5725.000	8.48	34.54	38.35	60.77	65.44	74.00	-8.56	Peak
4	av 5727.000	8.48	34.54	38.35	45.32	49.99	54.00	-4.01	Average
5	5727.000	8.48	34.54	38.35	61.75	66.42	74.00	-7.58	Peak

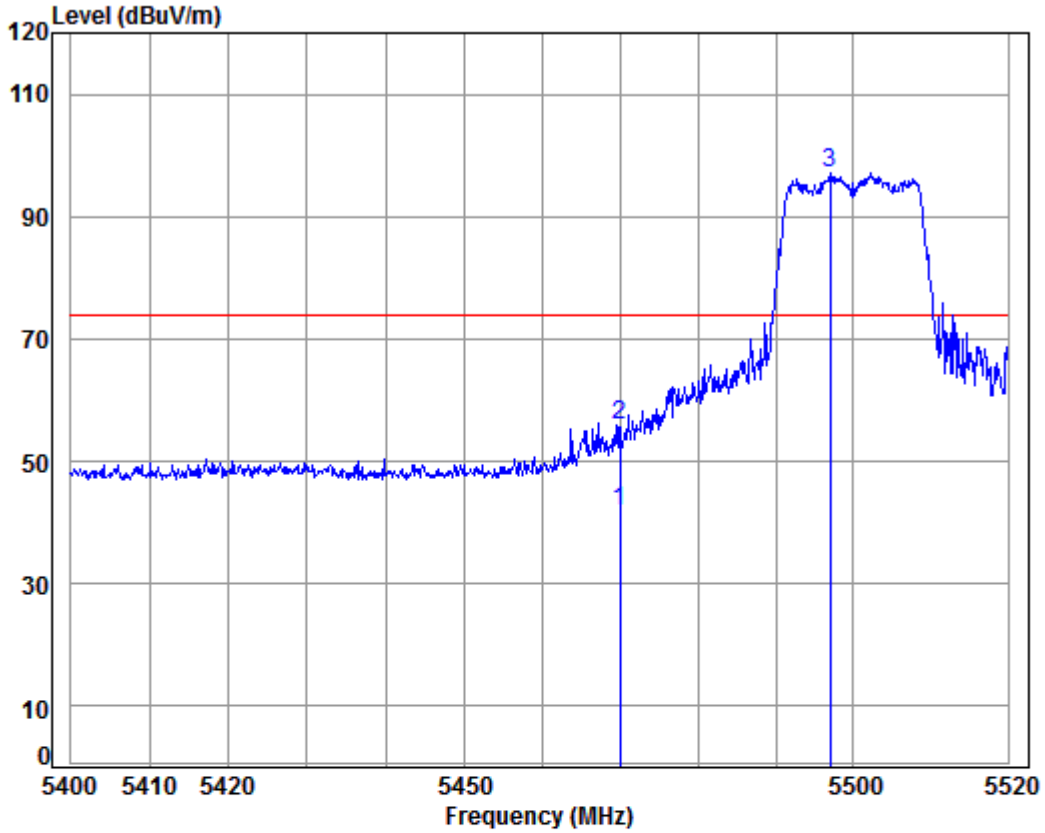
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-N20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5468.880	8.24	34.41	38.41	39.86	44.10	54.00	-9.90	Average
2	5468.880	8.24	34.41	38.41	53.03	57.27	74.00	-16.73	Peak
3	5470.000	8.24	34.41	38.41	49.60	53.84	74.00	-20.16	Peak
4 pp	5497.680	8.25	34.40	38.40	94.51	98.76	74.00	24.76	Peak

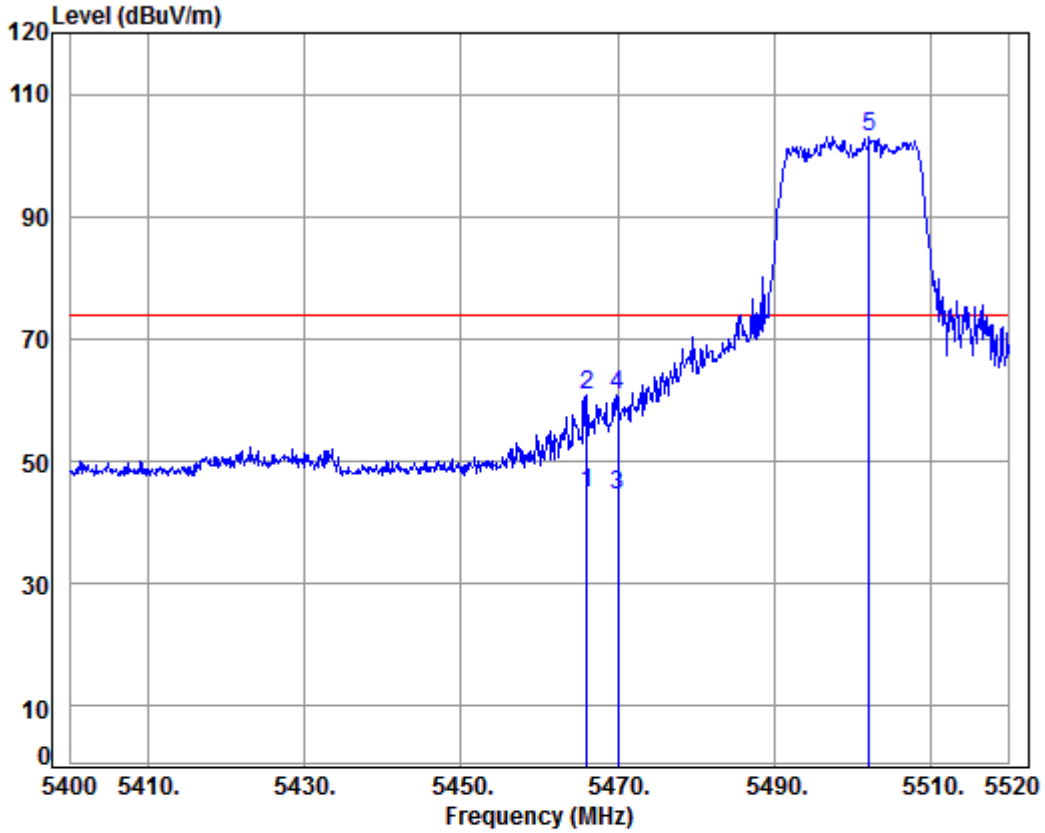
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-N20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5470.000	8.24	34.41	38.41	37.63	41.87	54.00	-12.13	Average
2	5470.000	8.24	34.41	38.41	51.52	55.76	74.00	-18.24	Peak
3 pp	5496.997	8.25	34.40	38.40	93.02	97.27	74.00	23.27	Peak

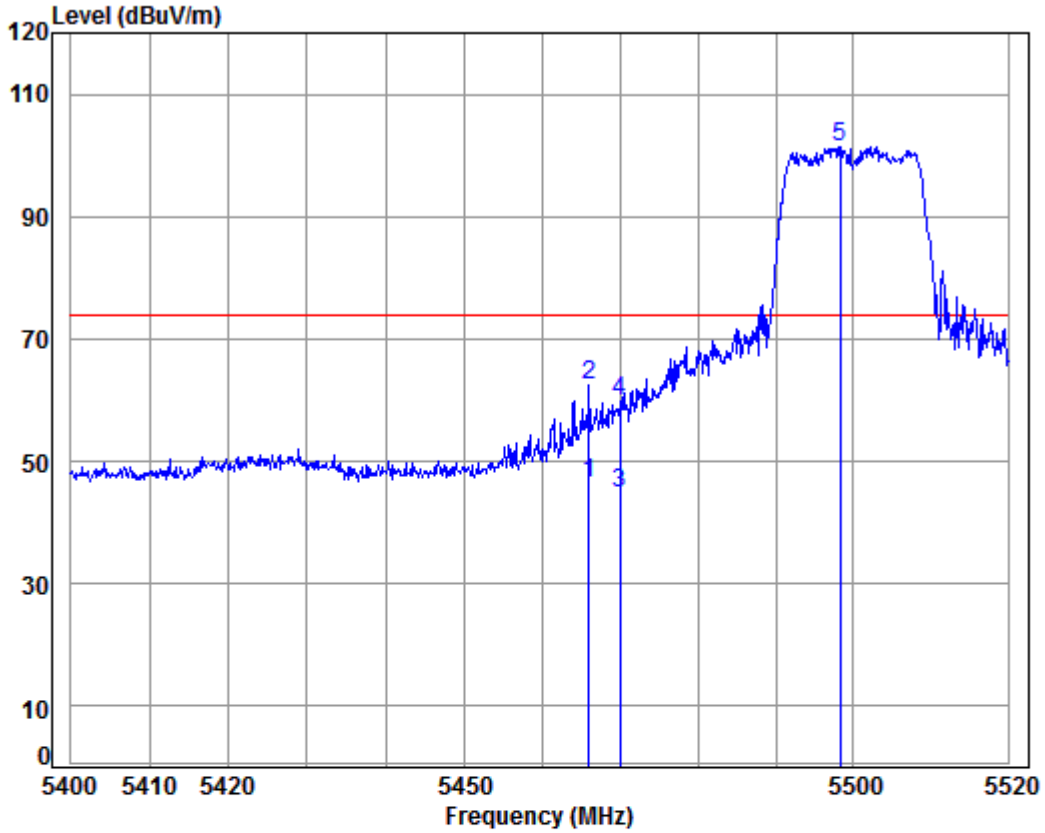
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-N20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5466.120	8.23	34.41	38.41	40.41	44.64	54.00	-9.36	Average
2	5466.120	8.23	34.41	38.41	56.64	60.87	74.00	-13.13	Peak
3	5470.000	8.24	34.41	38.41	40.35	44.59	54.00	-9.41	Average
4	5470.000	8.24	34.41	38.41	56.74	60.98	74.00	-13.02	Peak
5 pp	5502.240	8.25	34.40	38.40	98.88	103.13	74.00	29.13	Peak

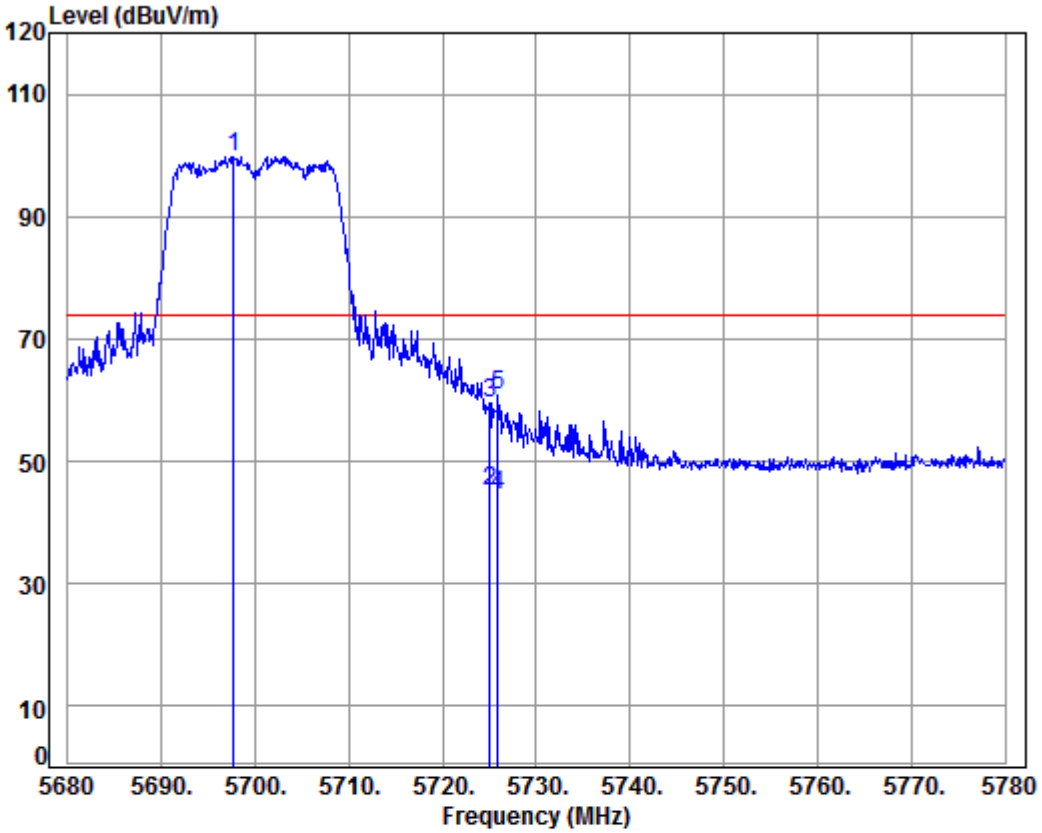
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-N20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5466.034	8.23	34.41	38.41	42.22	46.45	54.00	-7.55	Average
2	5466.034	8.23	34.41	38.41	58.24	62.47	74.00	-11.53	Peak
3	5470.000	8.24	34.41	38.41	40.48	44.72	54.00	-9.28	Average
4	5470.000	8.24	34.41	38.41	55.50	59.74	74.00	-14.26	Peak
5 pp	5498.326	8.25	34.40	38.40	97.16	101.41	74.00	27.41	Peak

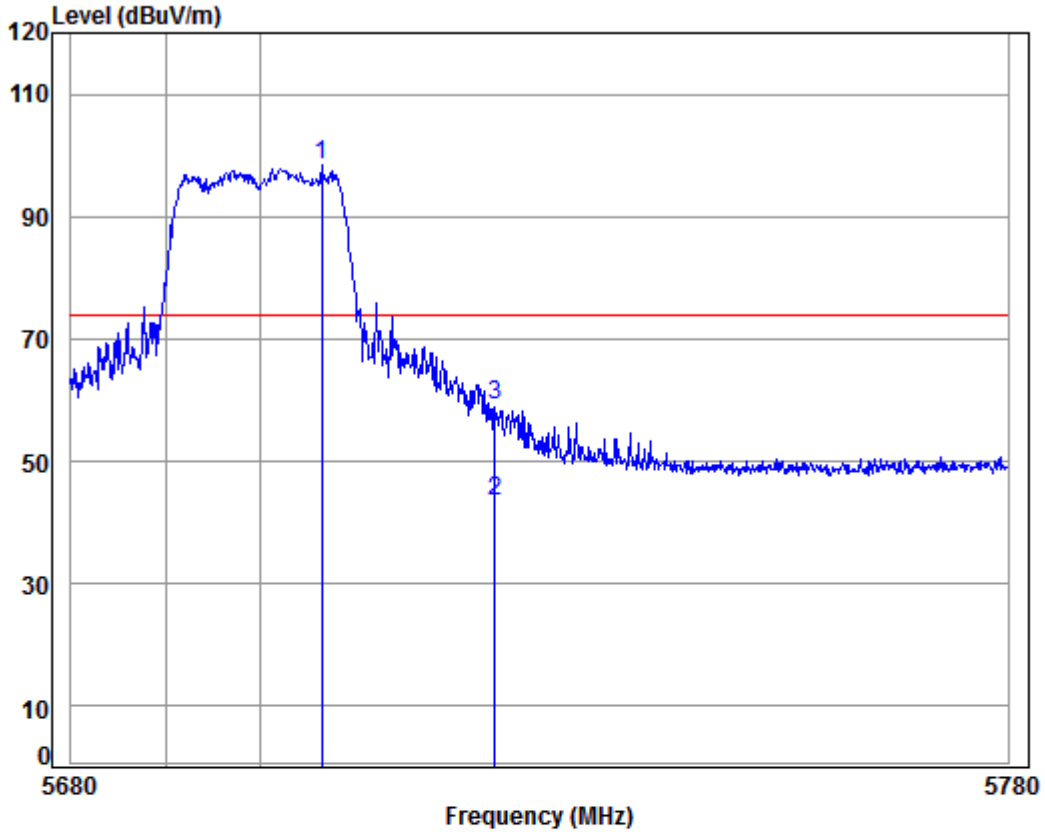
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-N20 Antenna1

		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	5697.700	8.45	34.52	38.36	95.15	99.76	74.00	25.76	Peak
2	av	5725.000	8.48	34.54	38.35	40.30	44.97	54.00	-9.03	Average
3		5725.000	8.48	34.54	38.35	54.76	59.43	74.00	-14.57	Peak
4		5725.900	8.48	34.54	38.35	39.76	44.43	54.00	-9.57	Average
5		5725.900	8.48	34.54	38.35	56.26	60.93	74.00	-13.07	Peak

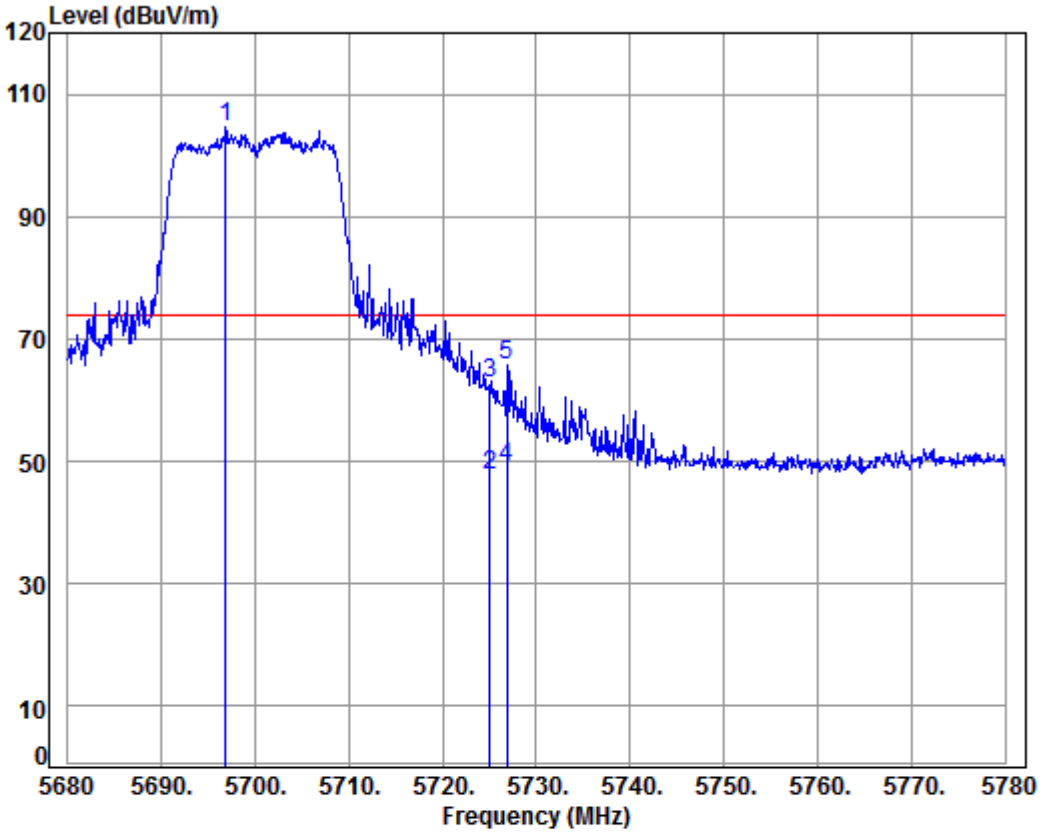
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-N20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5706.629	8.46	34.53	38.36	93.79	98.42	74.00	24.42	Peak
2	av 5725.000	8.48	34.54	38.35	38.75	43.42	54.00	-10.58	Average
3	5725.000	8.48	34.54	38.35	54.65	59.32	74.00	-14.68	Peak

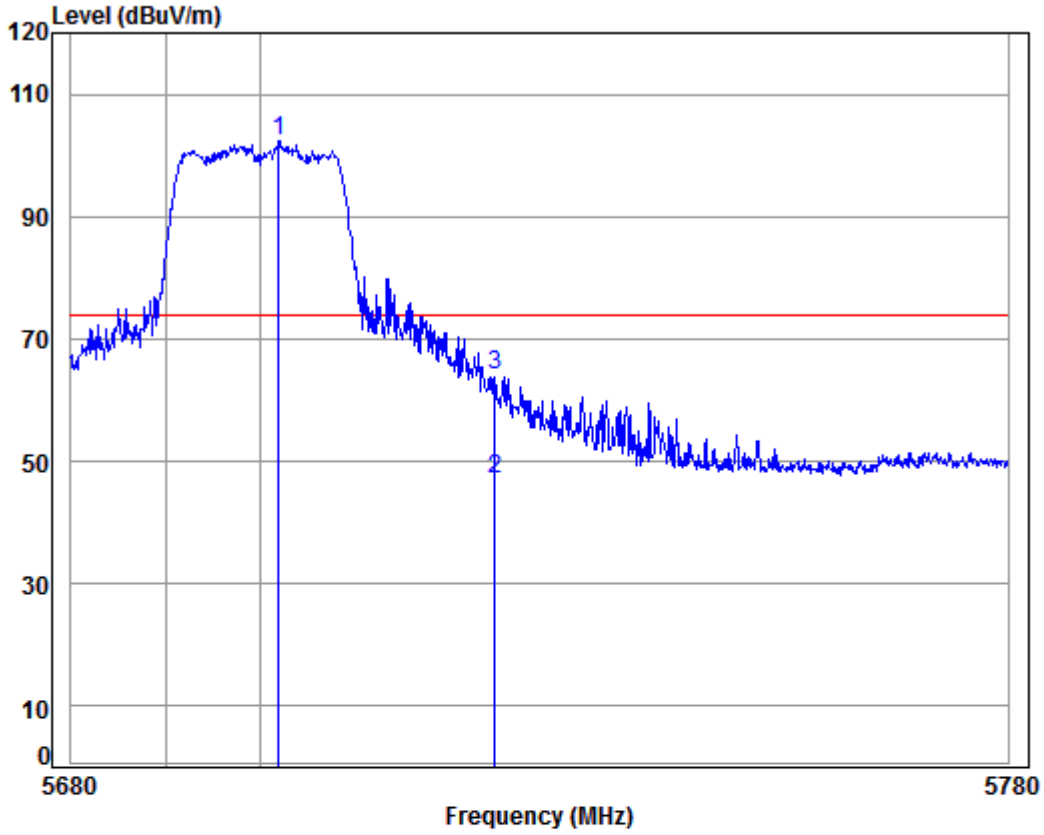
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-N20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5696.800	8.45	34.52	38.36	99.89	104.50	74.00	30.50	Peak
2	5725.000	8.48	34.54	38.35	42.96	47.63	54.00	-6.37	Average
3	5725.000	8.48	34.54	38.35	58.14	62.81	74.00	-11.19	Peak
4	av 5726.800	8.48	34.54	38.35	44.53	49.20	54.00	-4.80	Average
5	5726.800	8.48	34.54	38.35	60.92	65.59	74.00	-8.41	Peak

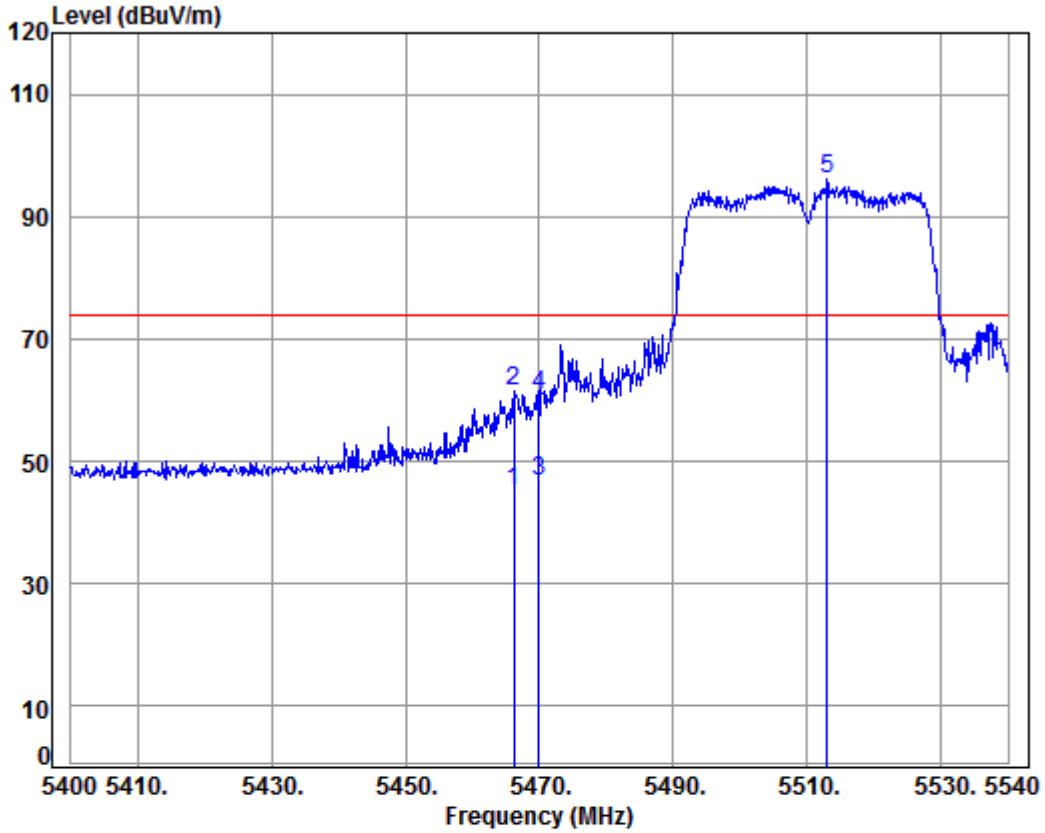
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-N20Antenna2

	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 5702.049	8.46	34.52	38.36	97.64	102.26	74.00	28.26	Peak
2	av 5725.000	8.48	34.54	38.35	42.49	47.16	54.00	-6.84	Average
3	5725.000	8.48	34.54	38.35	59.31	63.98	74.00	-10.02	Peak

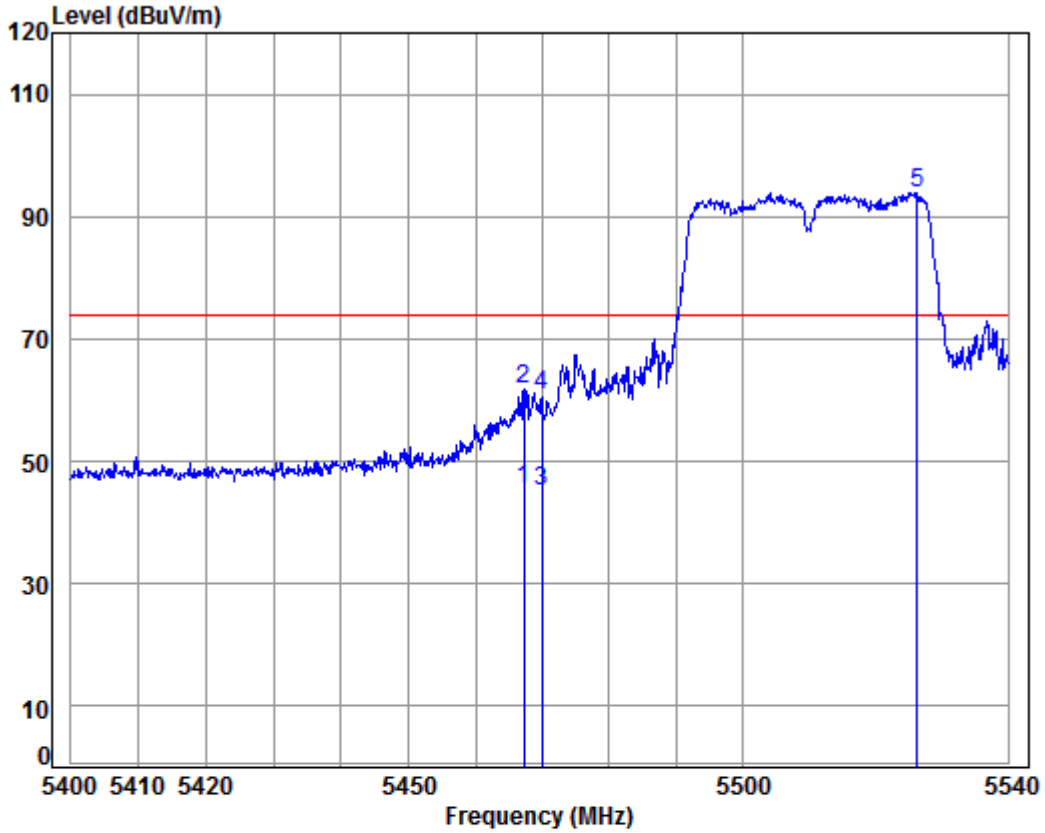
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5510 Band edge
: 5G WIFI-N40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5466.220	8.23	34.41	38.41	40.78	45.01	54.00	-8.99	Average
2	5466.220	8.23	34.41	38.41	57.23	61.46	74.00	-12.54	Peak
3 av	5470.000	8.24	34.41	38.41	42.56	46.80	54.00	-7.20	Average
4	5470.000	8.24	34.41	38.41	56.44	60.68	74.00	-13.32	Peak
5 pp	5512.980	8.26	34.41	38.40	91.83	96.10	74.00	22.10	Peak

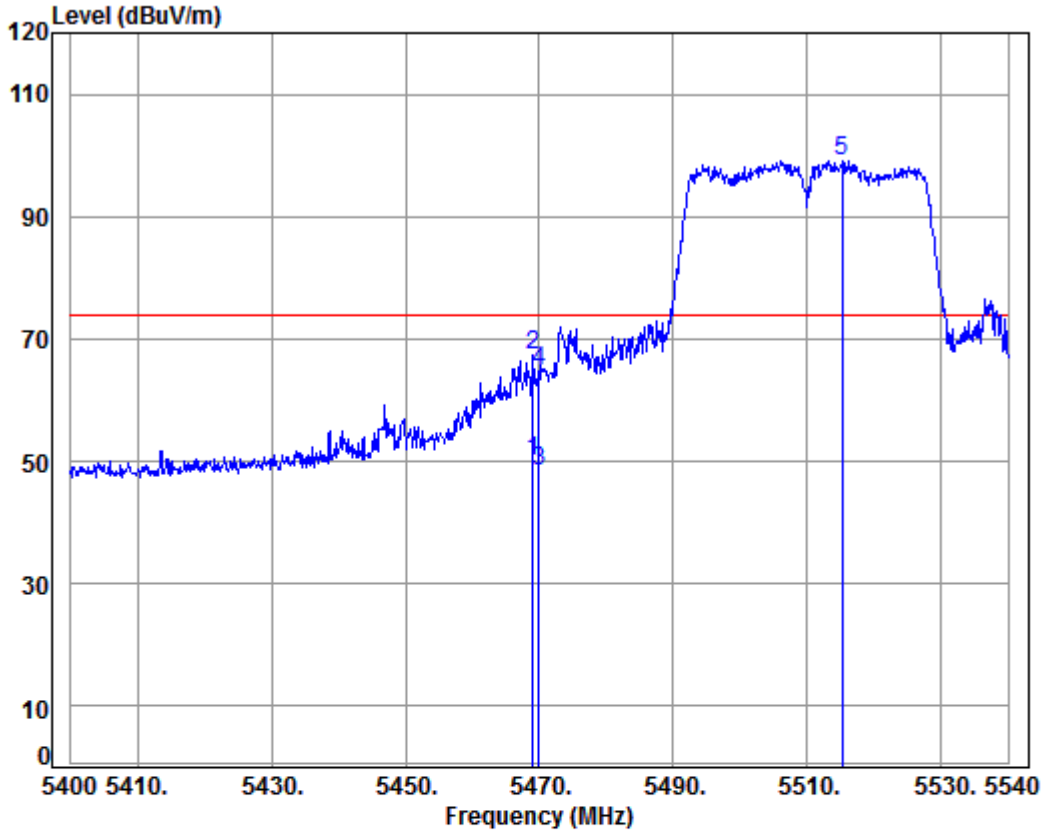
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5510 Band edge
: 5G WIFI-N40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5467.173	8.23	34.41	38.41	41.19	45.42	54.00	-8.58	Average
2	5467.173	8.23	34.41	38.41	57.48	61.71	74.00	-12.29	Peak
3	5470.000	8.24	34.41	38.41	40.89	45.13	54.00	-8.87	Average
4	5470.000	8.24	34.41	38.41	56.50	60.74	74.00	-13.26	Peak
5 pp	5526.263	8.28	34.42	38.39	89.62	93.93	74.00	19.93	Peak

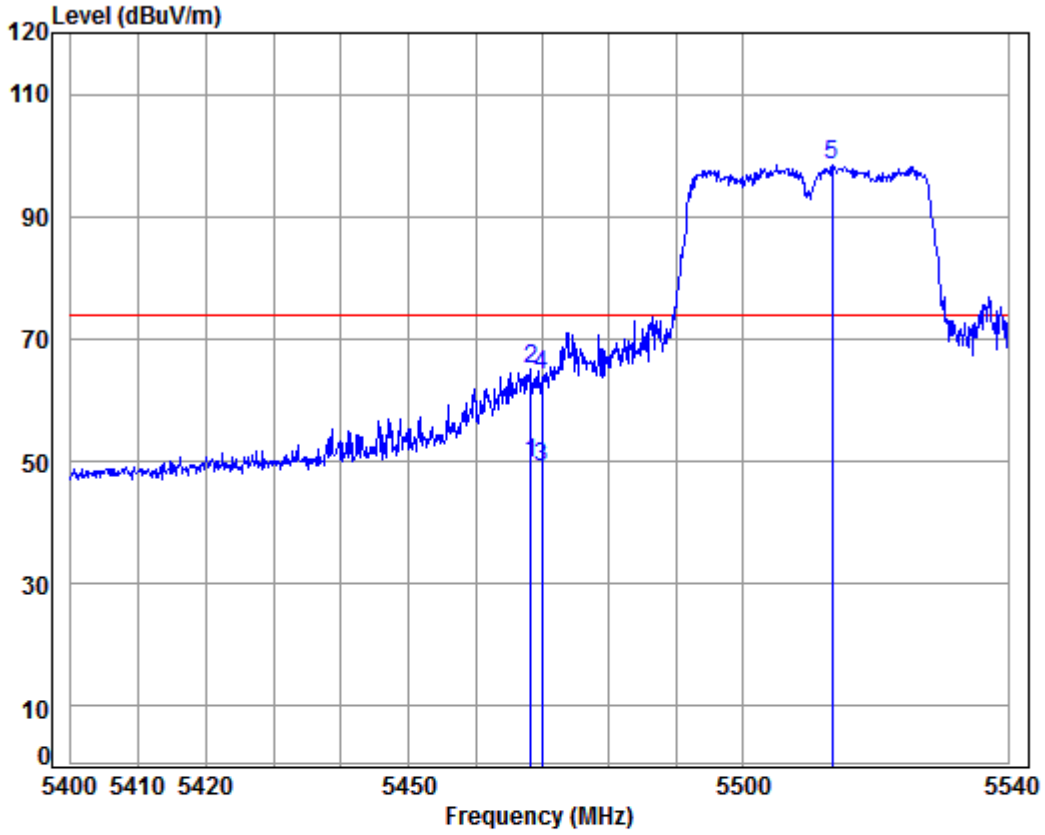
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5510 Band edge
: 5G WIFI-N40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5469.020	8.24	34.41	38.41	45.78	50.02	54.00	-3.98	Average
2	5469.020	8.24	34.41	38.41	63.09	67.33	74.00	-6.67	Peak
3	5470.000	8.24	34.41	38.41	44.28	48.52	54.00	-5.48	Average
4	5470.000	8.24	34.41	38.41	60.54	64.78	74.00	-9.22	Peak
5 pp	5515.220	8.27	34.41	38.40	94.82	99.10	74.00	25.10	Peak

Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5510 Band edge
: 5G WIFI-N40Antenna2

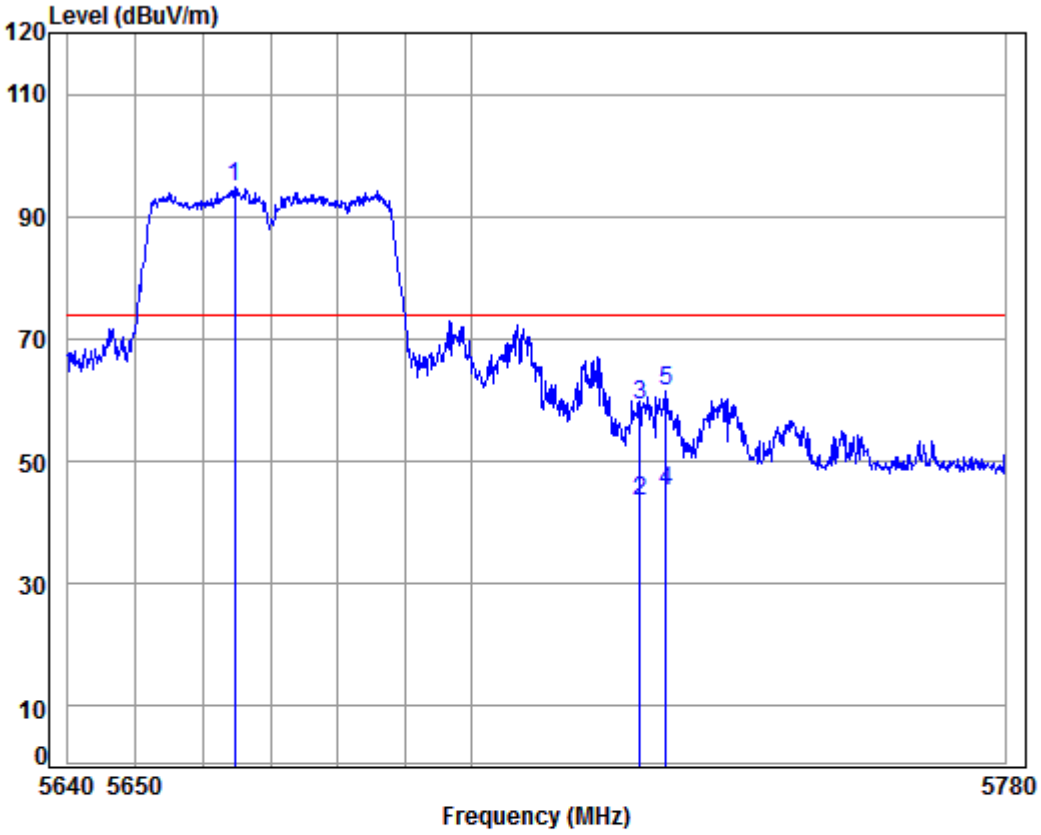
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5468.292	8.23	34.41	38.41	45.58	49.81	54.00	-4.19	Average
2	5468.292	8.23	34.41	38.41	60.90	65.13	74.00	-8.87	Peak
3	5470.000	8.24	34.41	38.41	44.75	48.99	54.00	-5.01	Average
4	5470.000	8.24	34.41	38.41	59.84	64.08	74.00	-9.92	Peak
5 pp	5513.406	8.26	34.41	38.40	94.24	98.51	74.00	24.51	Peak

Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:High

Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5670 Band edge
: 5G WIFI-N40 Antenna1

	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 5671.780	8.43	34.51	38.37	90.70	95.27	74.00	21.27	Peak
2	5725.000	8.48	34.54	38.35	42.48	47.15	54.00	-6.85	Average
3	5725.000	8.48	34.54	38.35	55.51	60.18	74.00	-13.82	Peak
4	av 5736.880	8.49	34.55	38.35	43.79	48.48	54.00	-5.52	Average
5	5736.880	8.49	34.55	38.35	57.84	62.53	74.00	-11.47	Peak

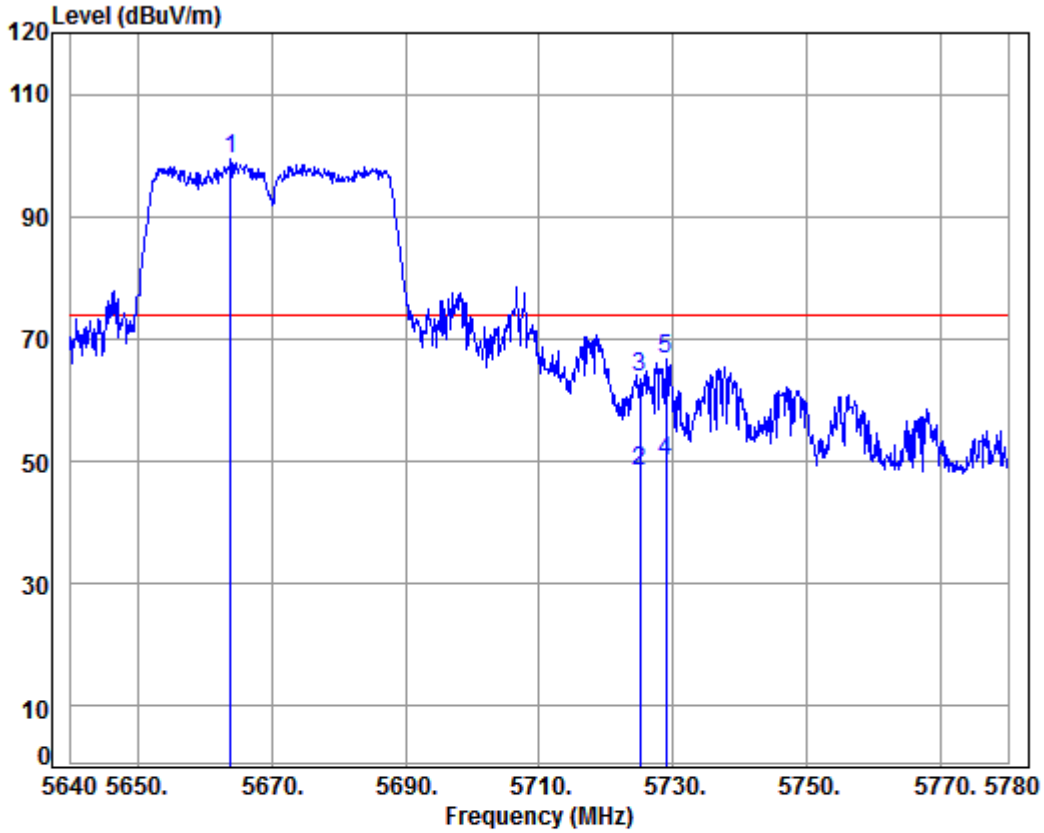
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5670 Band edge
: 5G WIFI-N40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5664.669	8.42	34.50	38.37	90.17	94.72	74.00	20.72	Peak
2	5725.000	8.48	34.54	38.35	38.83	43.50	54.00	-10.50	Average
3	5725.000	8.48	34.54	38.35	54.47	59.14	74.00	-14.86	Peak
4	av 5728.923	8.48	34.54	38.35	40.47	45.14	54.00	-8.86	Average
5	5728.923	8.48	34.54	38.35	56.80	61.47	74.00	-12.53	Peak

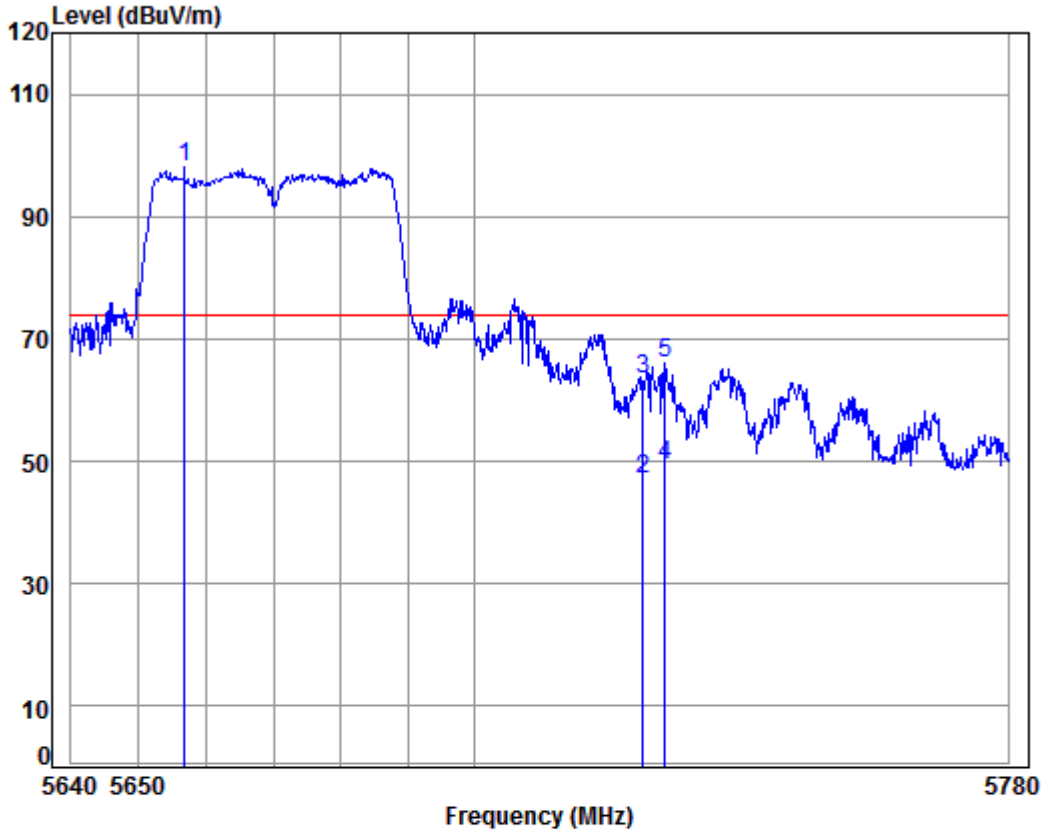
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5670 Band edge
: 5G WIFI-N40 Antenna1

	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 5663.940	8.42	34.50	38.37	94.89	99.44	74.00	25.44	Peak
2	5725.000	8.48	34.54	38.35	43.67	48.34	54.00	-5.66	Average
3	5725.000	8.47	34.53	38.36	59.04	63.68	74.00	-10.32	Peak
4	av 5728.900	8.48	34.54	38.35	45.27	49.94	54.00	-4.06	Average
5	5728.900	8.48	34.54	38.35	61.96	66.63	74.00	-7.37	Peak

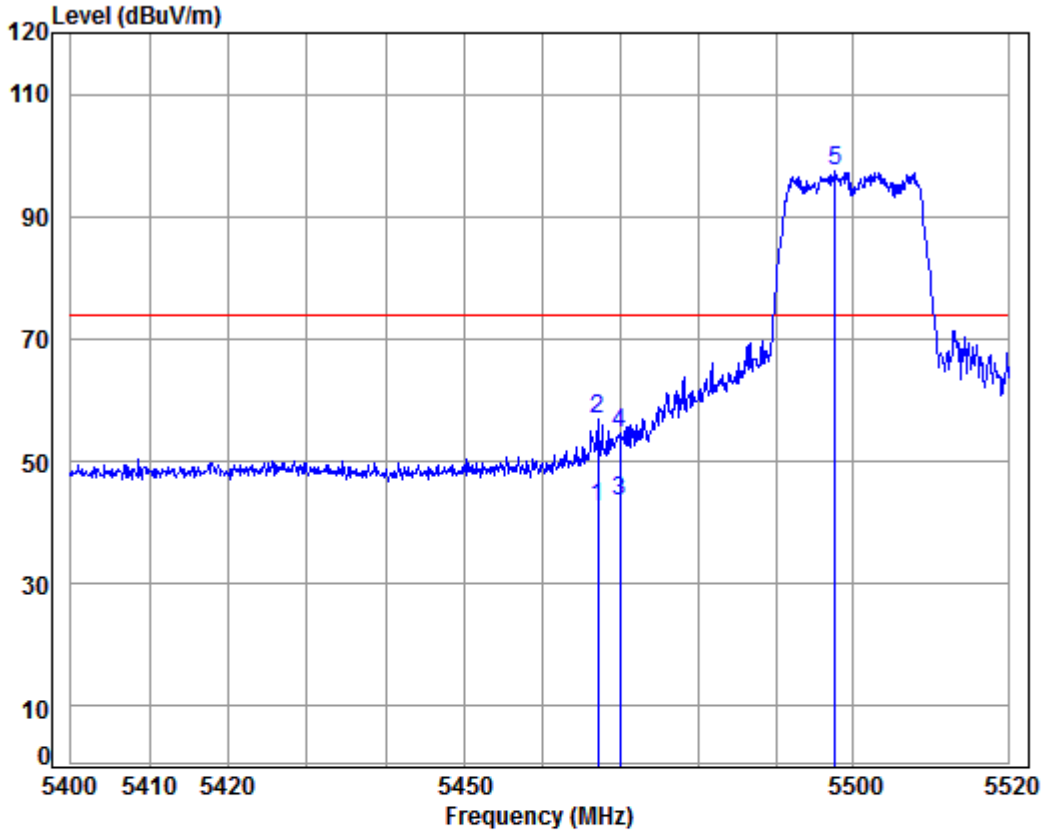
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5670 Band edge
: 5G WIFI-N40Antenna2

	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 5656.758	8.41	34.50	38.37	93.57	98.11	74.00	24.11	Peak
2	5725.000	8.48	34.54	38.35	42.40	47.07	54.00	-6.93	Average
3	5725.000	8.48	34.54	38.35	58.85	63.52	74.00	-10.48	Peak
4	av 5728.361	8.48	34.54	38.35	44.82	49.49	54.00	-4.51	Average
5	5728.361	8.48	34.54	38.35	61.37	66.04	74.00	-7.96	Peak

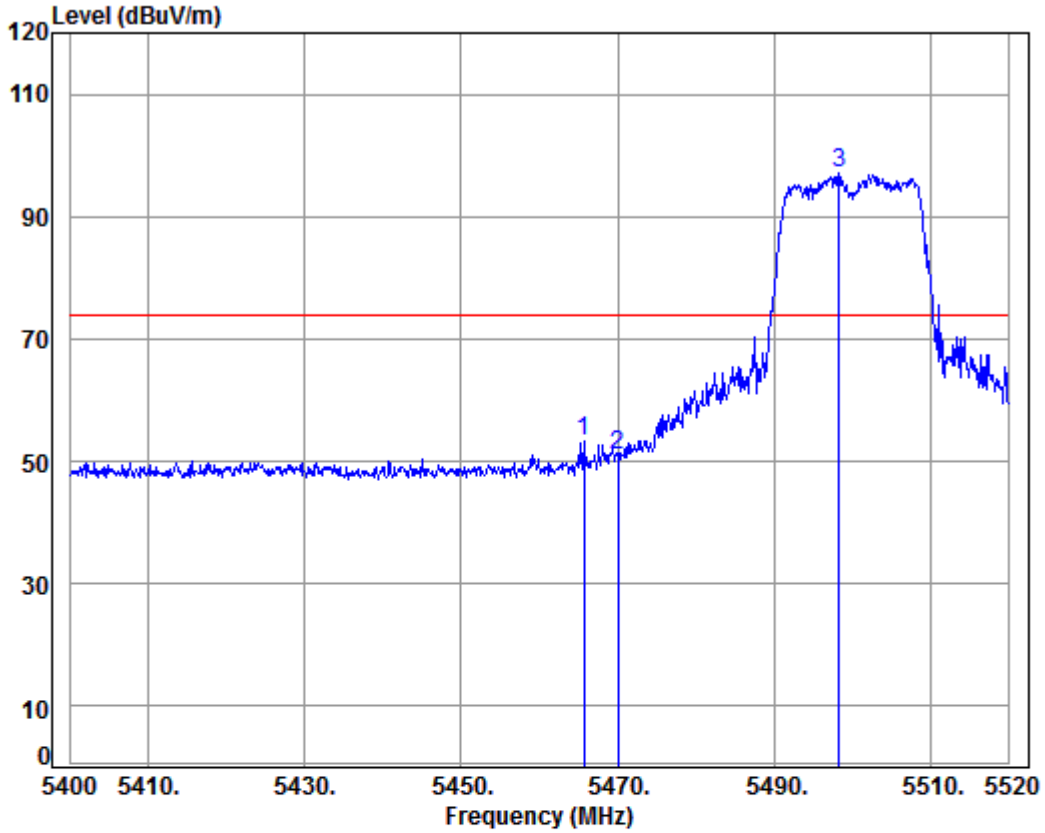
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-AC20 Antenna1

	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	5467.115	8.23	34.41	38.41	38.43	42.66	54.00	-11.34	Average
2	5467.115	8.23	34.41	38.41	52.75	56.98	74.00	-17.02	Peak
3 av	5470.000	8.24	34.41	38.41	39.35	43.59	54.00	-10.41	Average
4	5470.000	8.24	34.41	38.41	50.49	54.73	74.00	-19.27	Peak
5 pp	5497.722	8.25	34.40	38.40	93.05	97.30	74.00	23.30	Peak

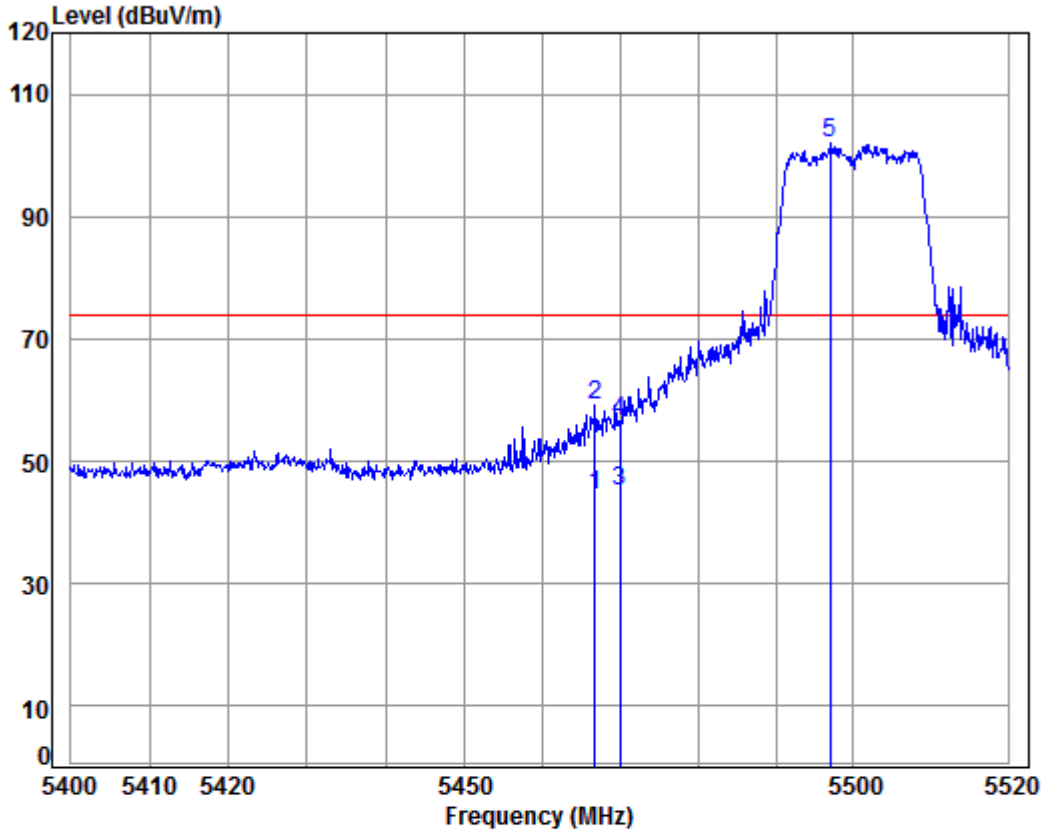
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-AC20Antenna2

	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	5465.640	8.23	34.41	38.41	49.01	53.24	74.00	-20.76	Peak
2	5470.000	8.24	34.41	38.41	46.89	51.13	74.00	-22.87	Peak
3 pp	5498.400	8.25	34.40	38.40	92.84	97.09	74.00	23.09	Peak

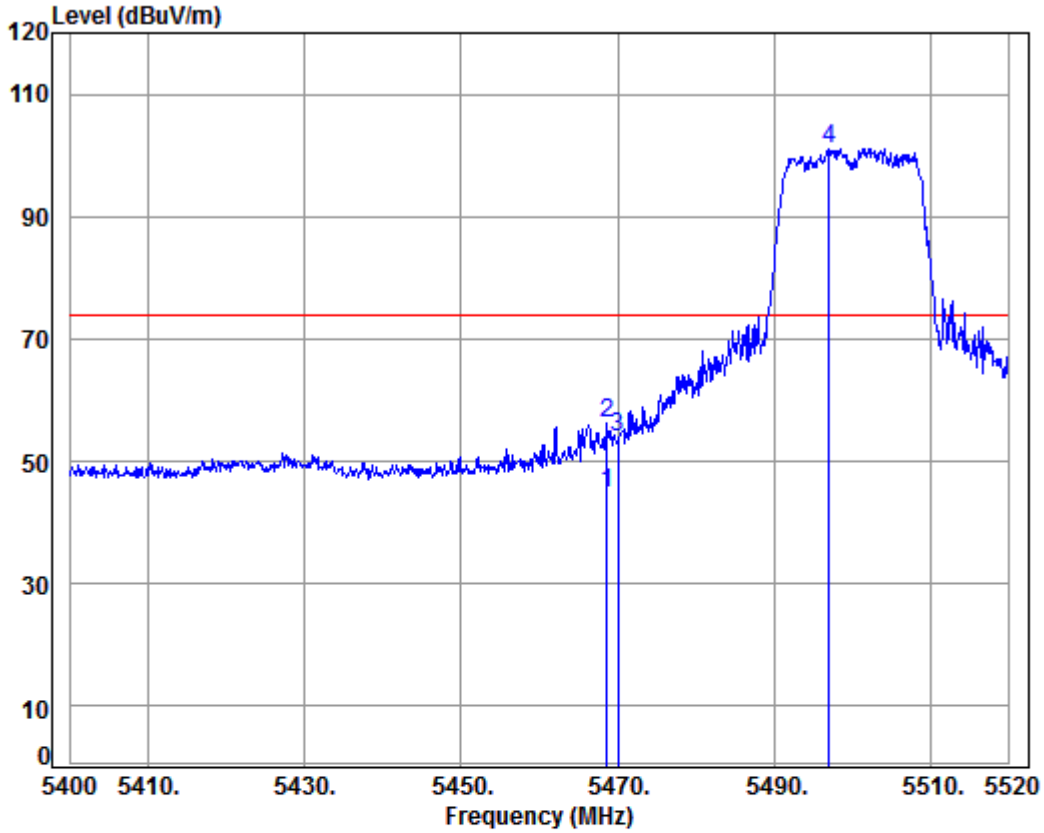
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-AC20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5466.755	8.23	34.41	38.41	40.31	44.54	54.00	-9.46	Average
2	5466.755	8.23	34.41	38.41	54.86	59.09	74.00	-14.91	Peak
3 av	5470.000	8.24	34.41	38.41	40.87	45.11	54.00	-8.89	Average
4	5470.000	8.24	34.41	38.41	52.25	56.49	74.00	-17.51	Peak
5 pp	5496.997	8.25	34.40	38.40	97.68	101.93	74.00	27.93	Peak

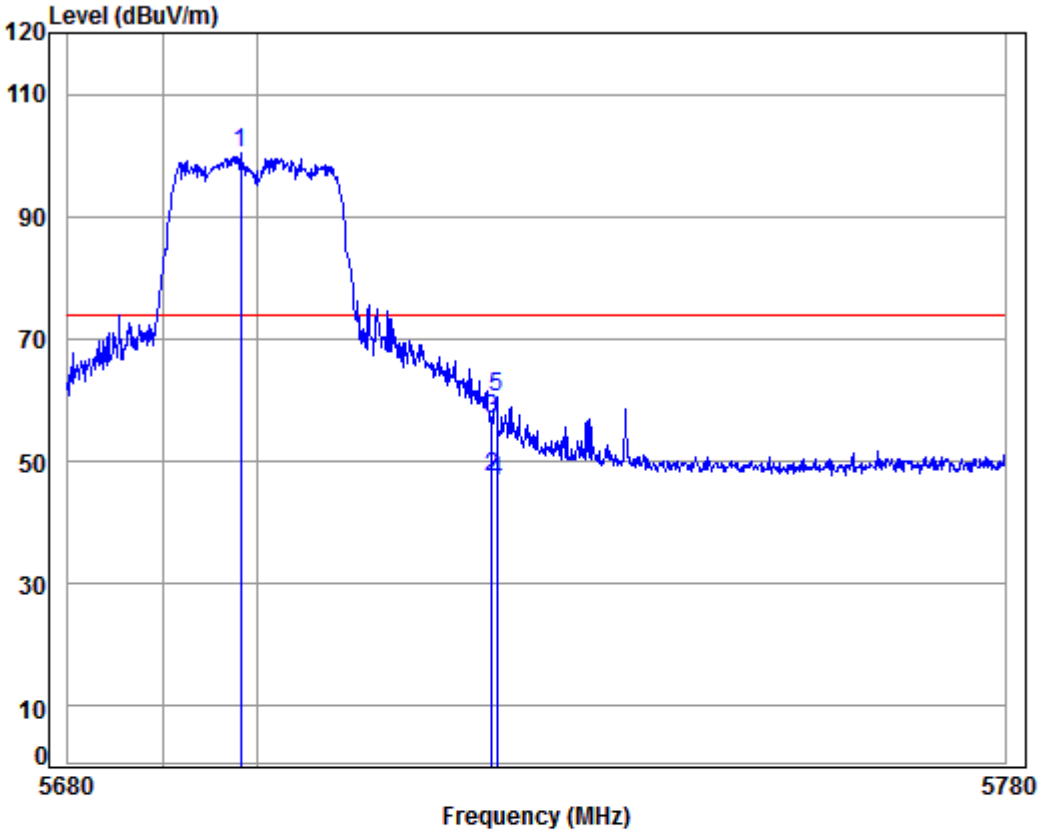
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5500 Band edge
: 5G WIFI-AC20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	av 5468.640	8.24	34.41	38.41	40.45	44.69	54.00	-9.31	Average
2	5468.640	8.24	34.41	38.41	51.93	56.17	74.00	-17.83	Peak
3	5470.000	8.24	34.41	38.41	49.60	53.84	74.00	-20.16	Peak
4	pp 5497.080	8.25	34.40	38.40	96.92	101.17	74.00	27.17	Peak

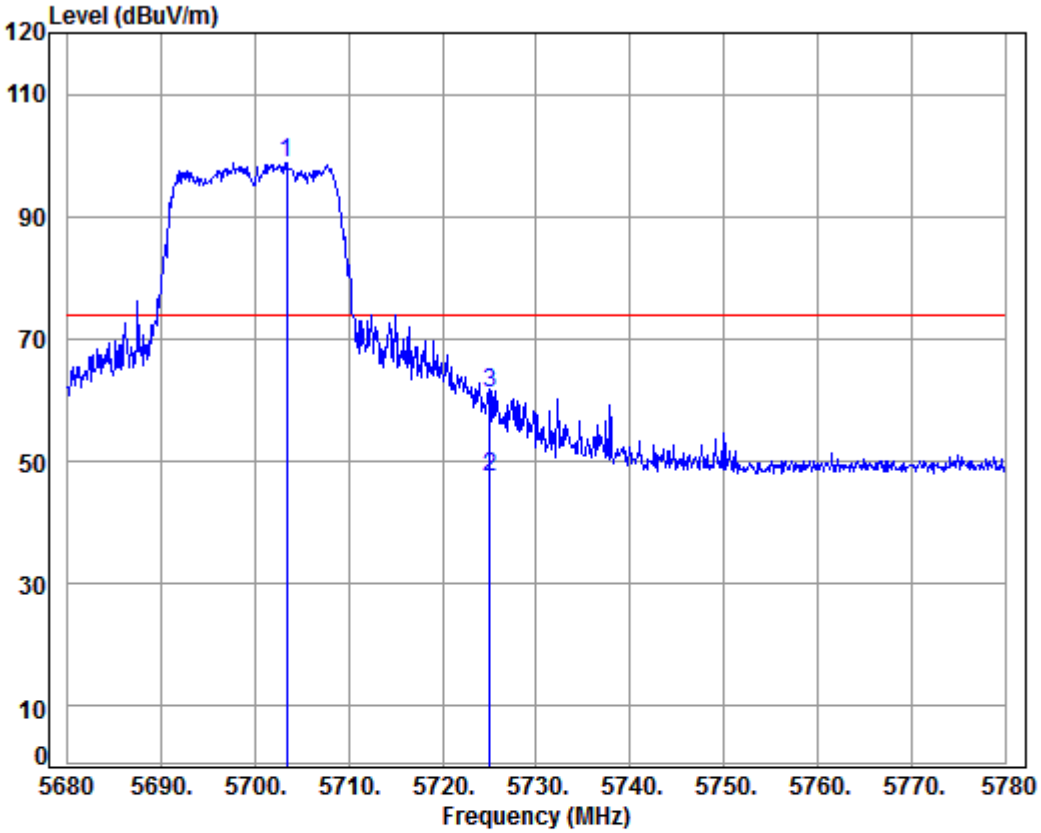
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-AC20 Antenna1

		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	5698.369	8.45	34.52	38.36	95.61	100.22	74.00	26.22	Peak
2	av	5725.000	8.48	34.54	38.35	42.60	47.27	54.00	-6.73	Average
3		5725.000	8.48	34.54	38.35	52.32	56.99	74.00	-17.01	Peak
4		5725.583	8.48	34.54	38.35	42.16	46.83	54.00	-7.17	Average
5		5725.583	8.48	34.54	38.35	55.93	60.60	74.00	-13.40	Peak

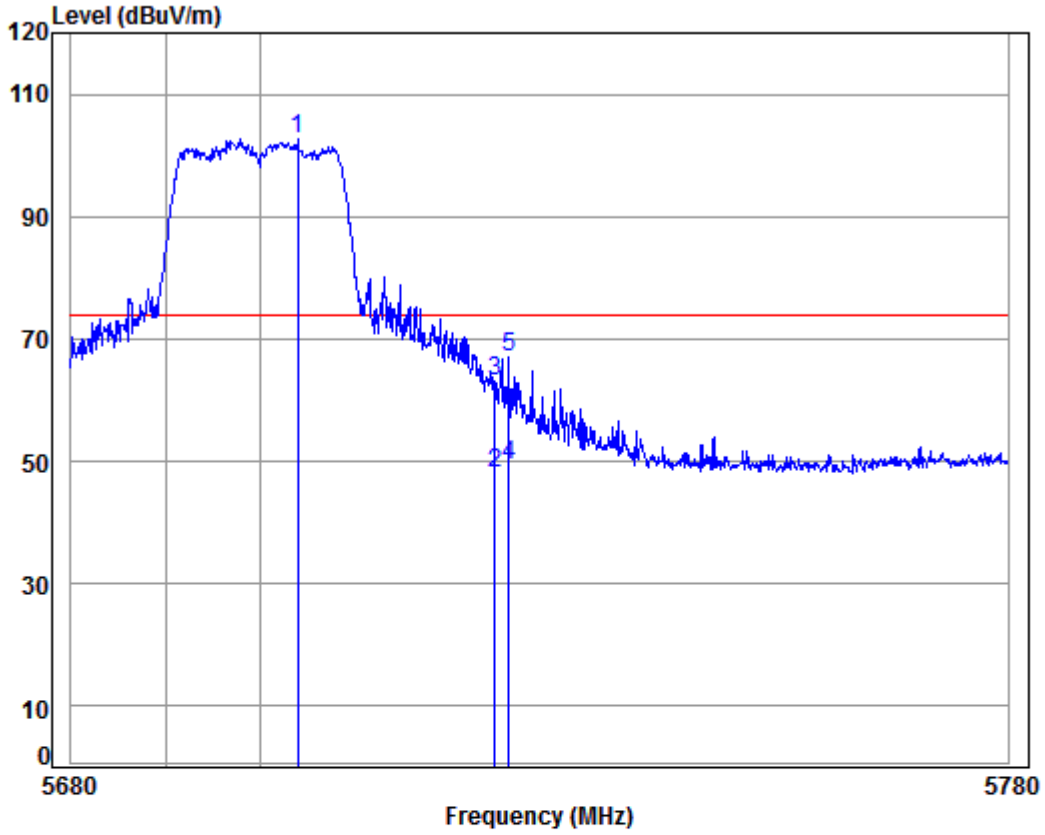
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-AC20Antenna2

	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 5703.400	8.46	34.53	38.36	94.10	98.73	74.00	24.73	Peak
2	av 5725.000	8.48	34.54	38.35	42.86	47.53	54.00	-6.47	Average
3	5725.000	8.48	34.54	38.35	56.53	61.20	74.00	-12.80	Peak

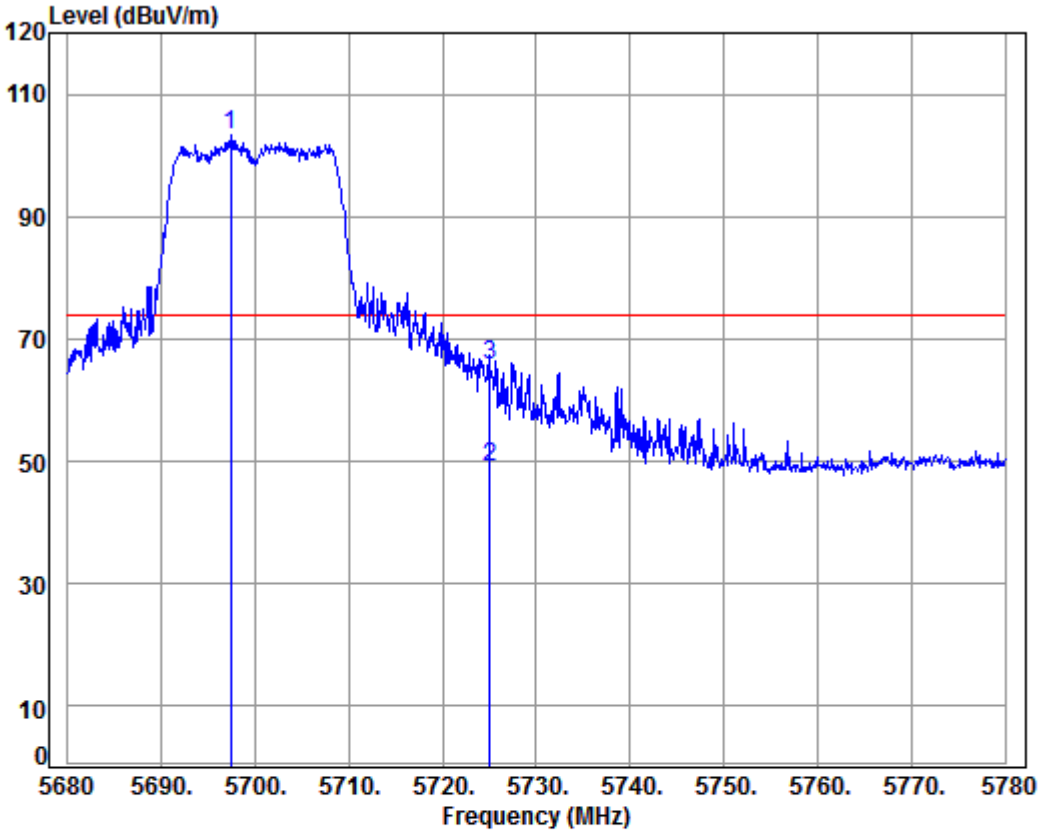
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-AC20 Antenna1

	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 5704.040	8.46	34.53	38.36	98.11	102.74	74.00	28.74	Peak
2	5725.000	8.48	34.54	38.35	43.48	48.15	54.00	-5.85	Average
3	5725.000	8.48	34.54	38.35	58.57	63.24	74.00	-10.76	Peak
4	av 5726.483	8.48	34.54	38.35	44.77	49.44	54.00	-4.56	Average
5	5726.483	8.48	34.54	38.35	62.22	66.89	74.00	-7.11	Peak

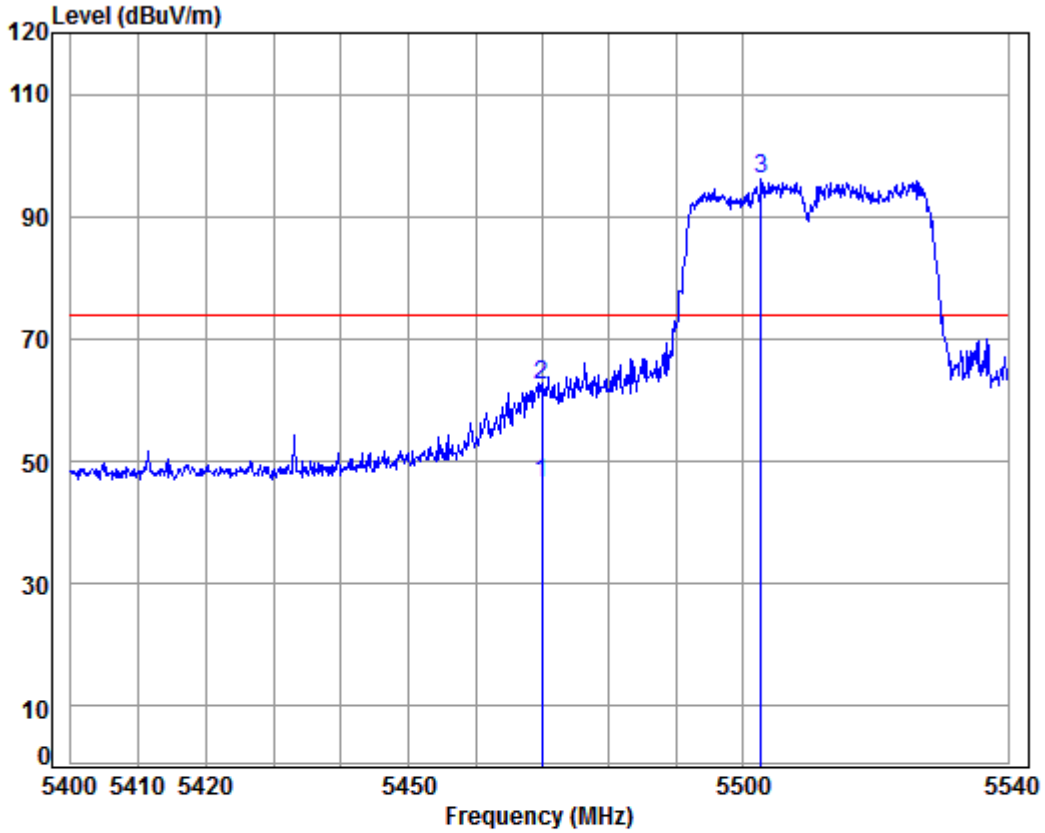
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5700 Band edge
: 5G WIFI-AC20Antenna2

	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	5697.400	8.45	34.52	38.36	98.63	103.24	74.00	29.24	Peak
2 av	5725.000	8.48	34.54	38.35	44.35	49.02	54.00	-4.98	Average
3	5725.000	8.48	34.54	38.35	61.05	65.72	74.00	-8.28	Peak

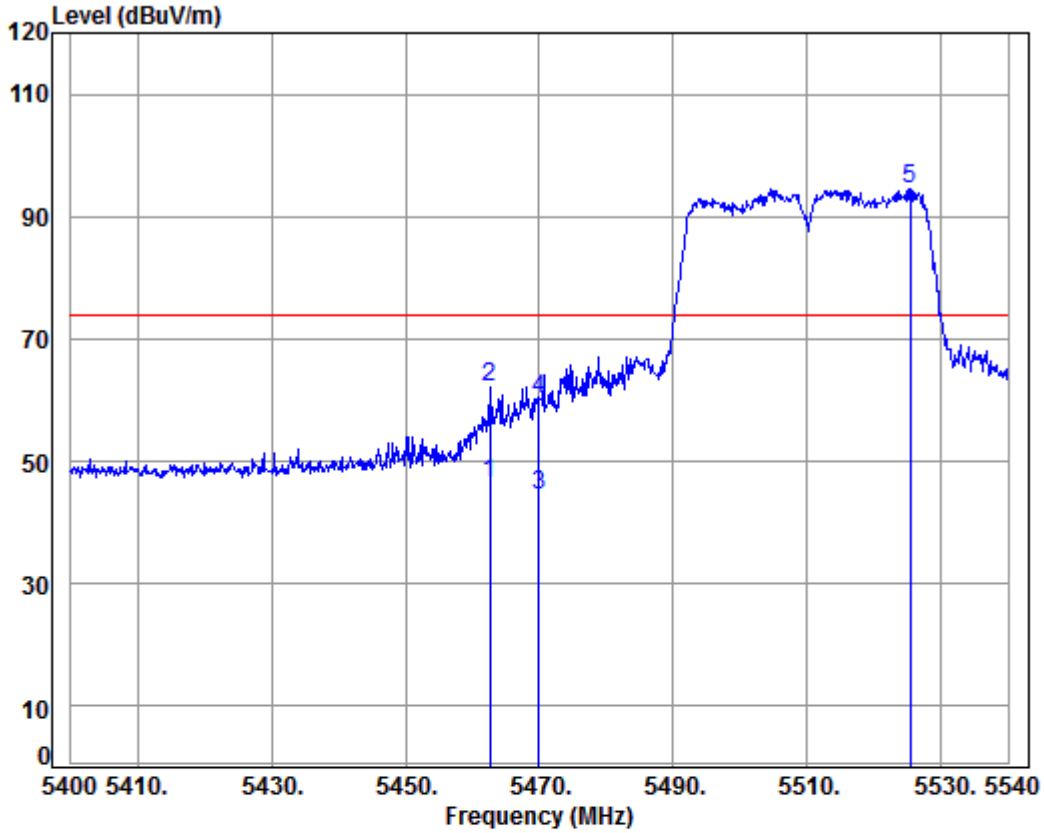
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5510 Band edge
: 5G WIFI-AC40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5470.000	8.24	34.41	38.41	42.32	46.56	54.00	-7.44	Average
2	5470.000	8.24	34.41	38.41	58.37	62.61	74.00	-11.39	Peak
3 pp	5502.832	8.25	34.40	38.40	91.72	95.97	74.00	21.97	Peak

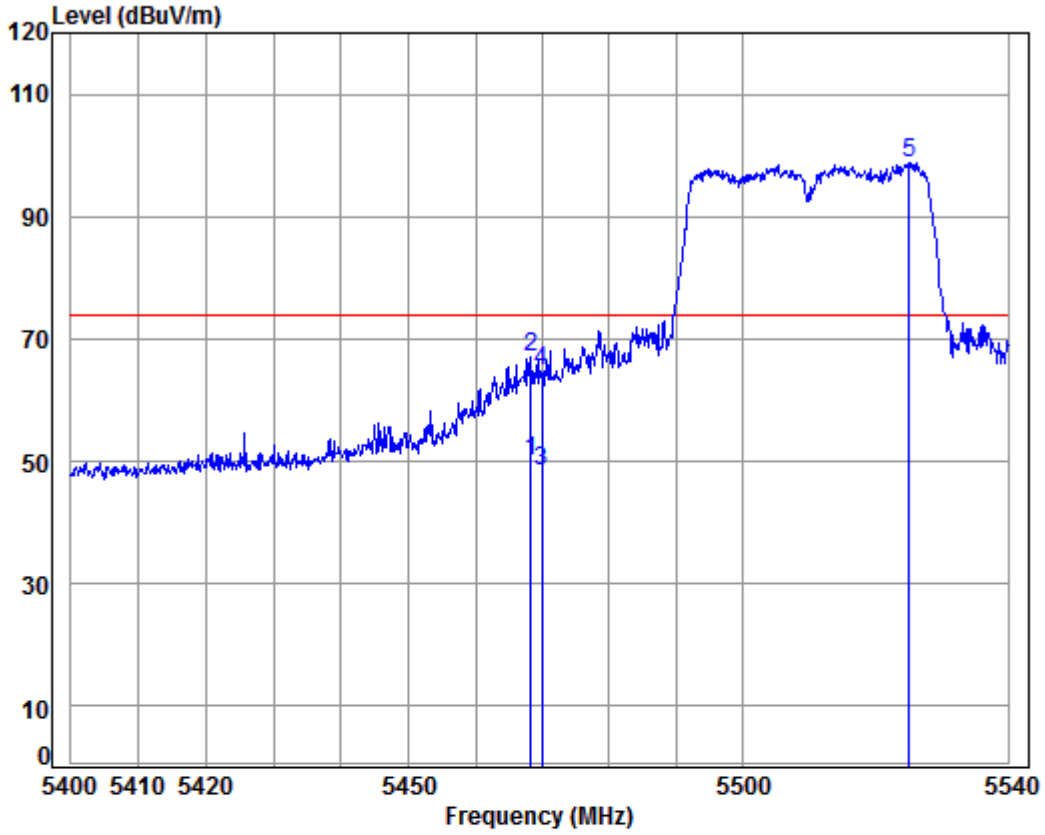
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5510 Band edge
: 5G WIFI-AC40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5462.580	8.23	34.41	38.41	42.34	46.57	54.00	-7.43	Average
2	5462.580	8.23	34.41	38.41	57.81	62.04	74.00	-11.96	Peak
3	5470.000	8.24	34.41	38.41	40.29	44.53	54.00	-9.47	Average
4	5470.000	8.24	34.41	38.41	56.03	60.27	74.00	-13.73	Peak
5 pp	5525.440	8.28	34.42	38.39	90.33	94.64	74.00	20.64	Peak

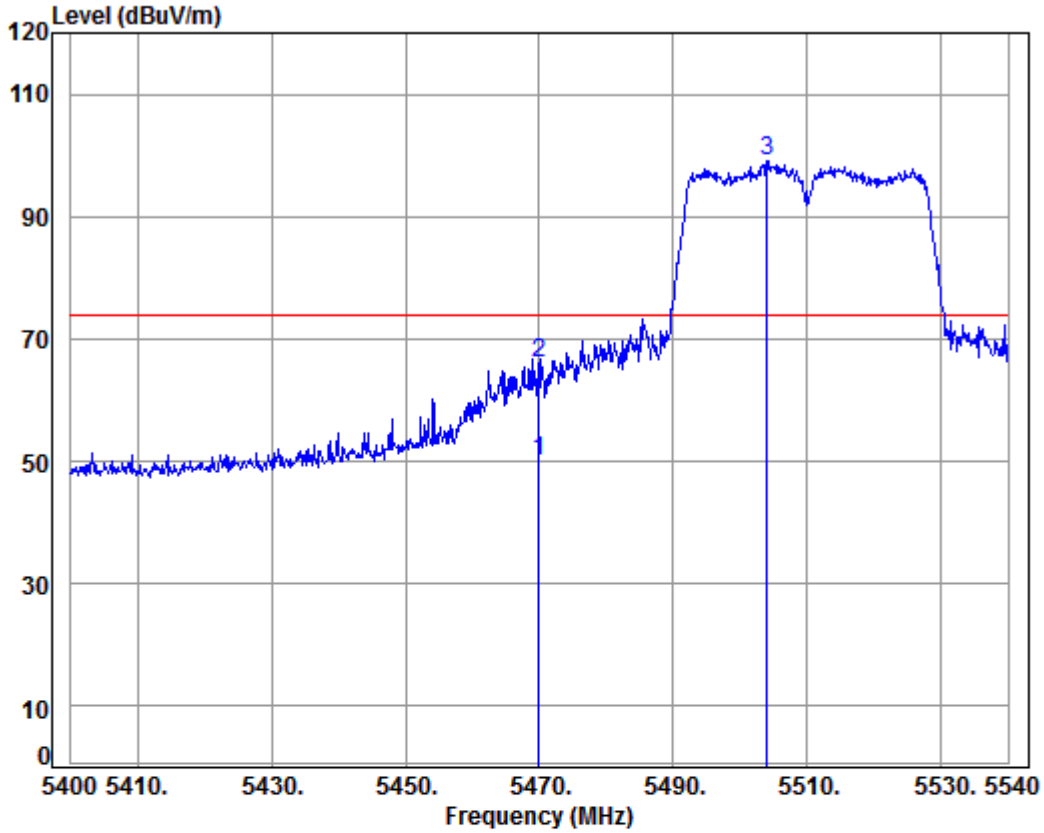
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5510 Band edge
: 5G WIFI-AC40 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5468.292	8.23	34.41	38.41	45.81	50.04	54.00	-3.96	Average
2	5468.292	8.23	34.41	38.41	62.80	67.03	74.00	-6.97	Peak
3	5470.000	8.24	34.41	38.41	44.29	48.53	54.00	-5.47	Average
4	5470.000	8.24	34.41	38.41	60.37	64.61	74.00	-9.39	Peak
5 pp	5524.990	8.28	34.42	38.40	94.49	98.79	74.00	24.79	Peak

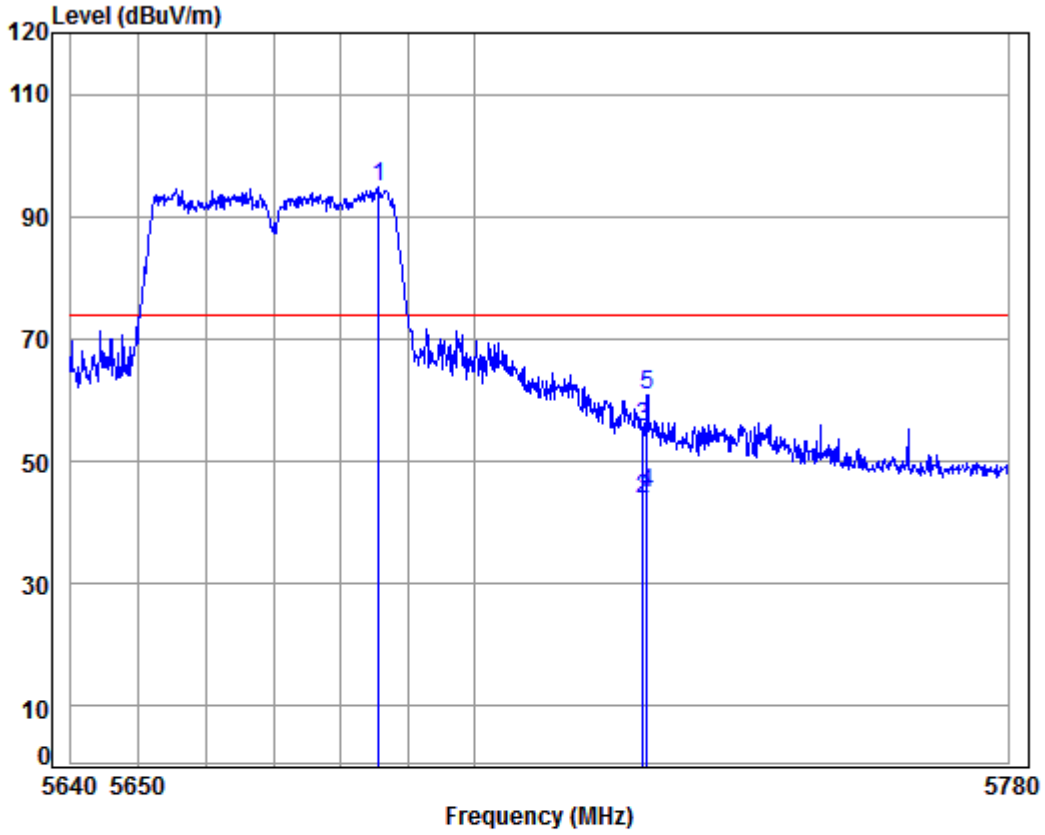
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5510 Band edge
: 5G WIFI-AC40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5470.000	8.24	34.41	38.41	45.77	50.01	54.00	-3.99	Average
2	5470.000	8.24	34.41	38.41	61.67	65.91	74.00	-8.09	Peak
3 pp	5504.020	8.25	34.40	38.40	94.77	99.02	74.00	25.02	Peak

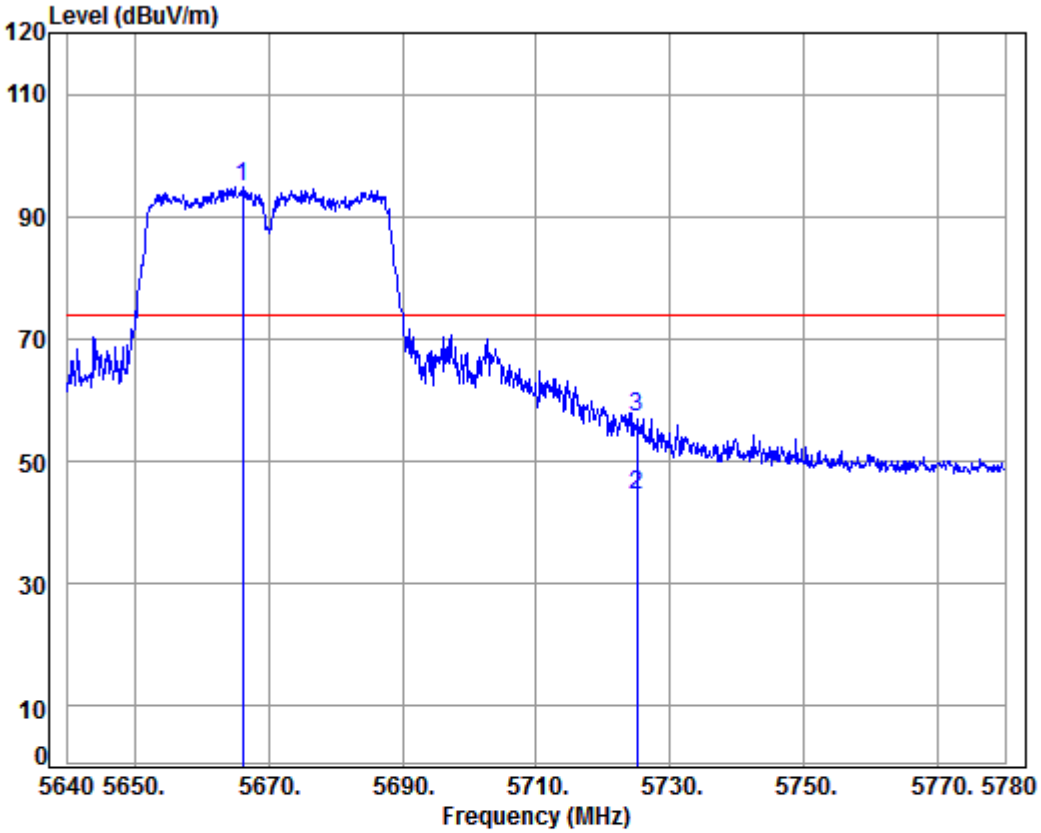
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5670 Band edge
: 5G WIFI-AC40 Antenna1

	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	5685.682	8.44	34.51	38.36	90.09	94.68	74.00	20.68	Peak
2	5725.000	8.48	34.54	38.35	39.26	43.93	54.00	-10.07	Average
3	5725.000	8.48	34.54	38.35	51.06	55.73	74.00	-18.27	Peak
4 av	5725.693	8.48	34.54	38.35	40.04	44.71	54.00	-9.29	Average
5	5725.693	8.48	34.54	38.35	56.28	60.95	74.00	-13.05	Peak

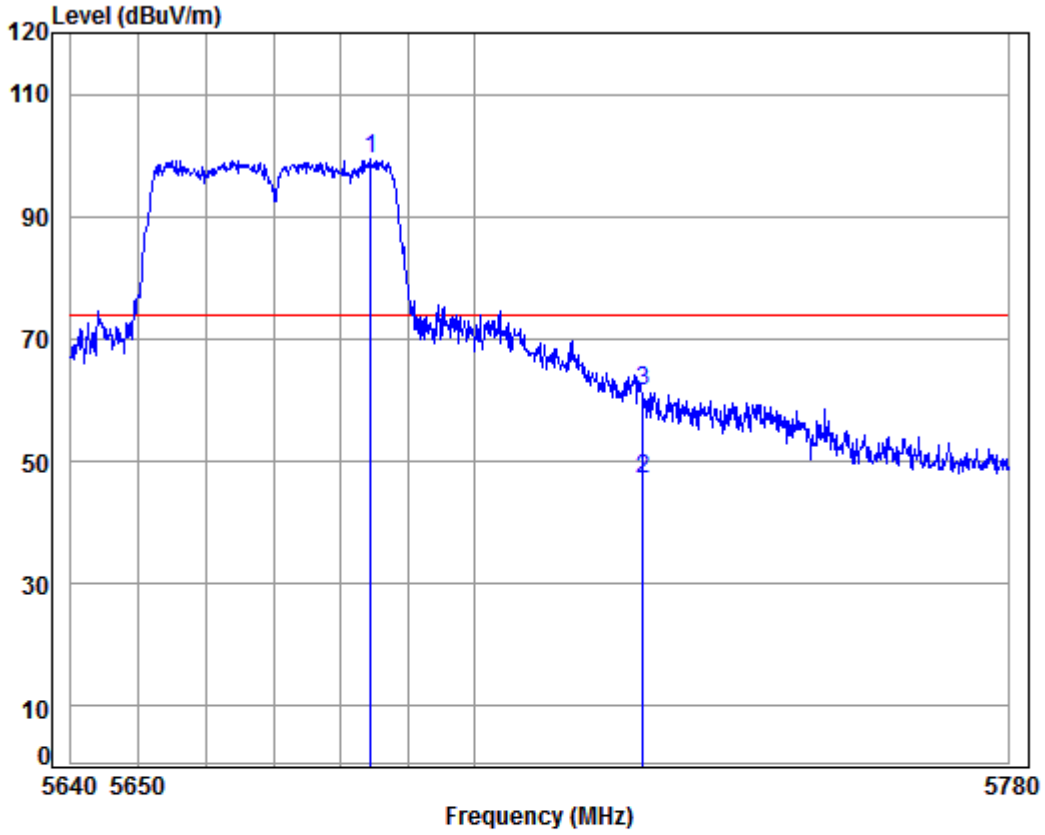
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5670 Band edge
: 5G WIFI-AC40Antenna2

	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	5666.180	8.42	34.50	38.37	90.22	94.77	74.00	20.77	Peak
2 av	5725.000	8.48	34.54	38.35	39.88	44.55	54.00	-9.45	Average
3	5725.000	8.48	34.54	38.35	52.58	57.25	74.00	-16.75	Peak

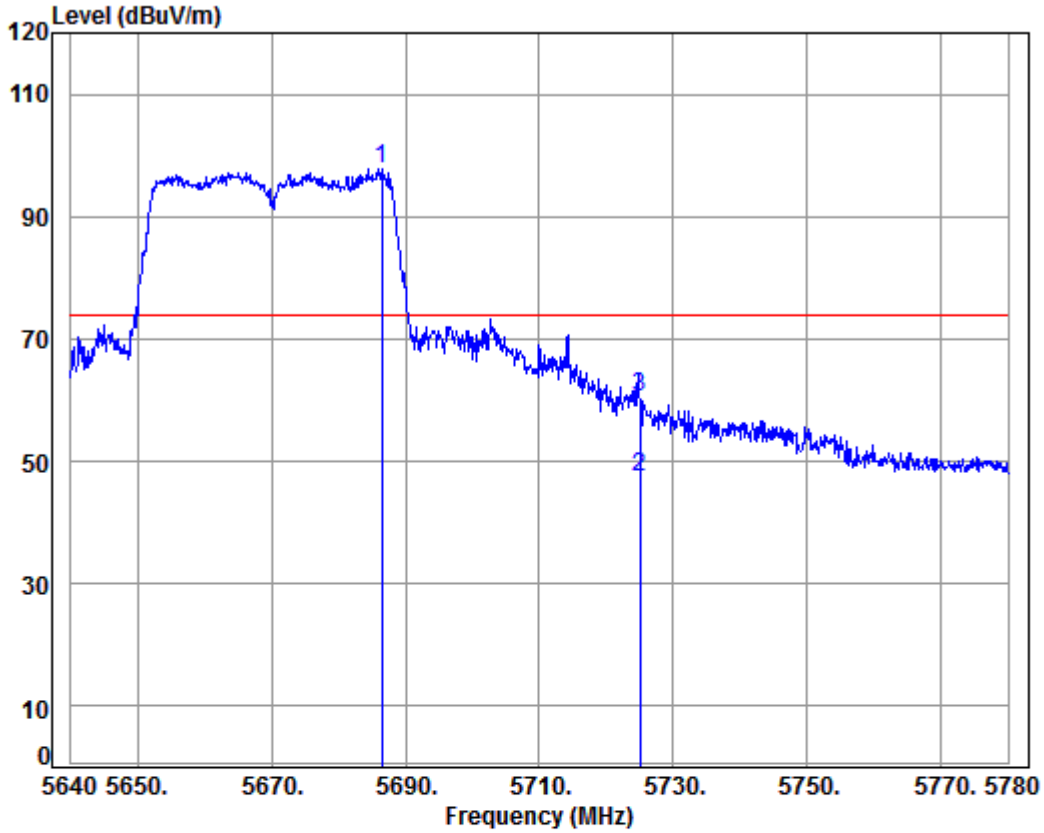
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5670 Band edge
: 5G WIFI-AC40 Antenna1

	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 5684.427	8.44	34.51	38.36	94.94	99.53	74.00	25.53	Peak
2	av 5725.000	8.48	34.54	38.35	42.30	46.97	54.00	-7.03	Average
3	5725.000	8.48	34.54	38.35	56.75	61.42	74.00	-12.58	Peak

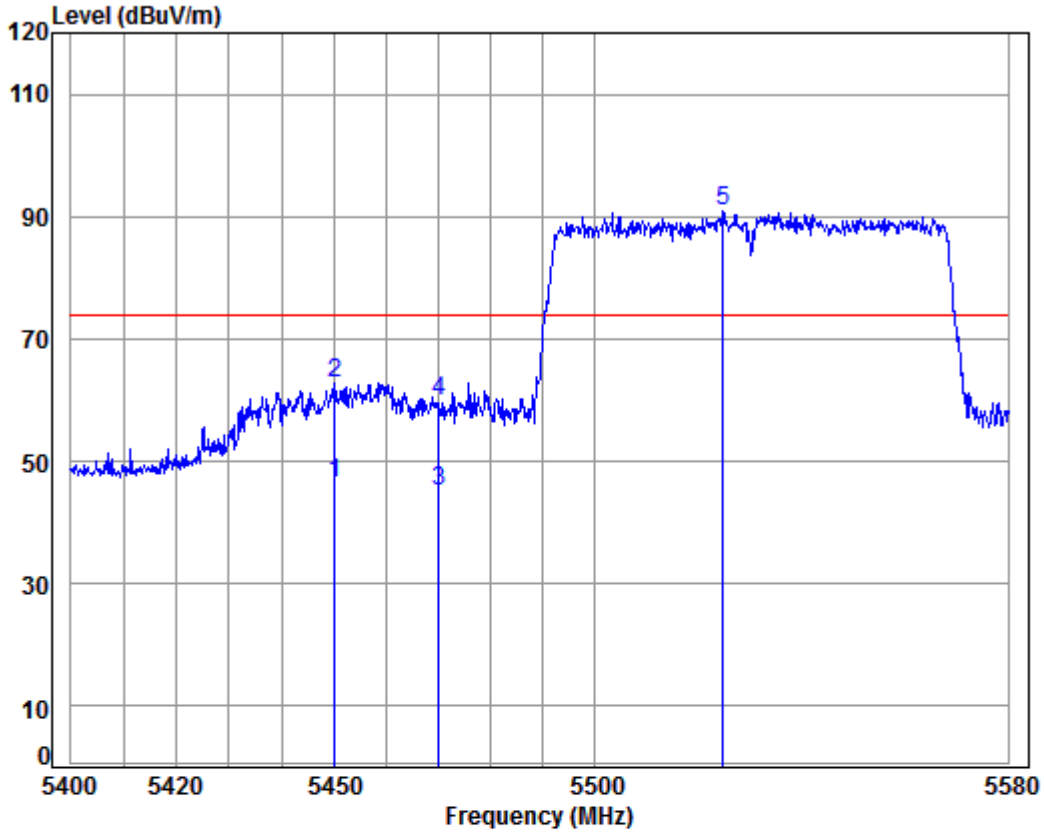
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5670 Band edge
: 5G WIFI-AC40Antenna2

	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 5686.480	8.44	34.51	38.36	93.24	97.83	74.00	23.83	Peak
2	av 5725.000	8.48	34.54	38.35	42.70	47.37	54.00	-6.63	Average
3	5725.000	8.48	34.54	38.35	55.94	60.61	74.00	-13.39	Peak

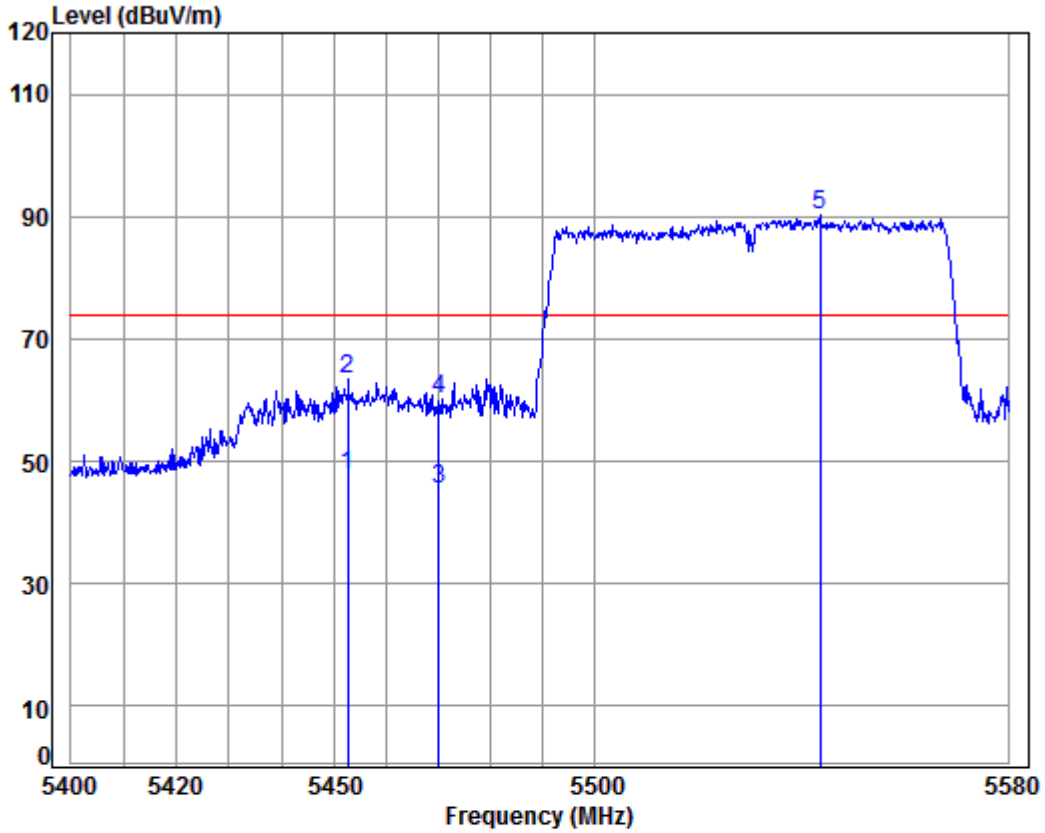
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5530 Band edge
: 5G WIFI-AC80 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5450.164	8.23	34.41	38.41	42.15	46.38	54.00	-7.62	Average
2	5450.164	8.23	34.41	38.41	58.58	62.81	74.00	-11.19	Peak
3	5470.000	8.24	34.41	38.41	40.89	45.13	54.00	-8.87	Average
4	5470.000	8.24	34.41	38.41	55.72	59.96	74.00	-14.04	Peak
5 pp	5524.654	8.28	34.42	38.40	86.61	90.91	74.00	16.91	Peak

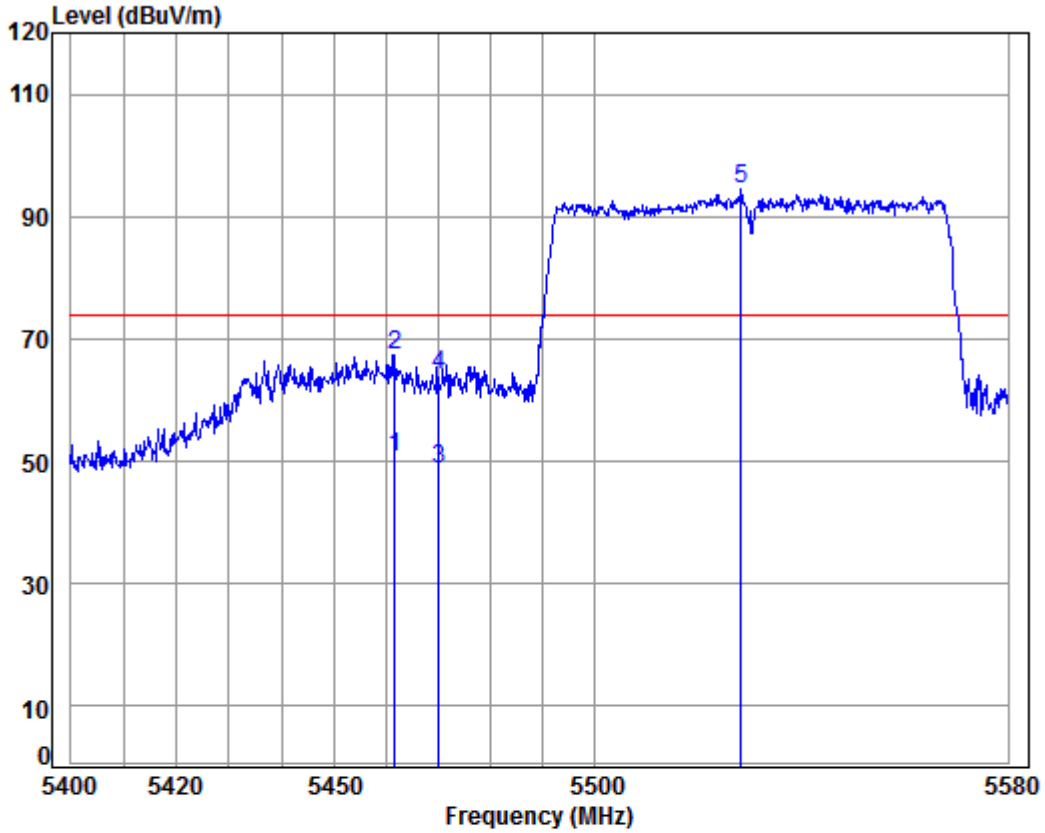
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5530 Band edge
: 5G WIFI-AC80Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5452.667	8.23	34.41	38.41	43.51	47.74	54.00	-6.26	Average
2	5452.667	8.23	34.41	38.41	59.27	63.50	74.00	-10.50	Peak
3	5470.000	8.24	34.41	38.41	41.23	45.47	54.00	-8.53	Average
4	5470.000	8.24	34.41	38.41	56.01	60.25	74.00	-13.75	Peak
5 pp	5543.526	8.30	34.43	38.39	85.76	90.10	74.00	16.10	Peak

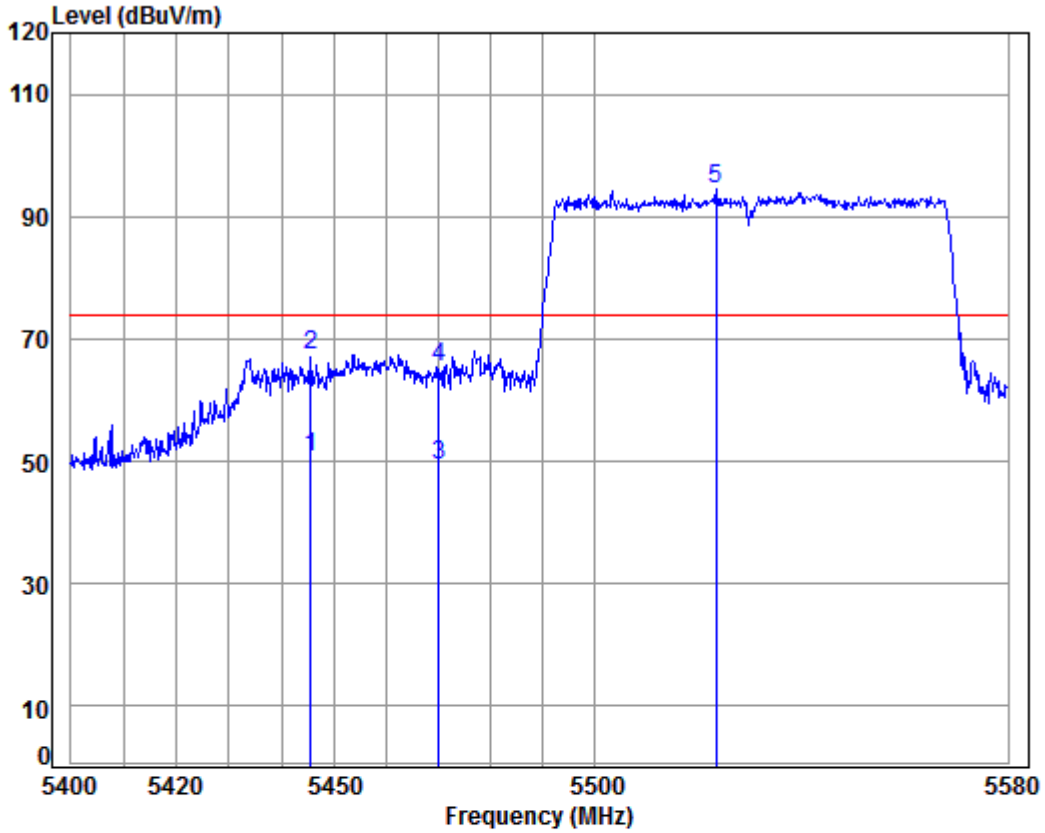
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5530 Band edge
: 5G WIFI-AC80 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5461.613	8.23	34.41	38.41	46.39	50.62	54.00	-3.38	Average
2	5461.613	8.23	34.41	38.41	63.14	67.37	74.00	-6.63	Peak
3	5470.000	8.24	34.41	38.41	44.56	48.80	54.00	-5.20	Average
4	5470.000	8.24	34.41	38.41	59.90	64.14	74.00	-9.86	Peak
5 pp	5528.097	8.28	34.42	38.39	90.04	94.35	74.00	20.35	Peak

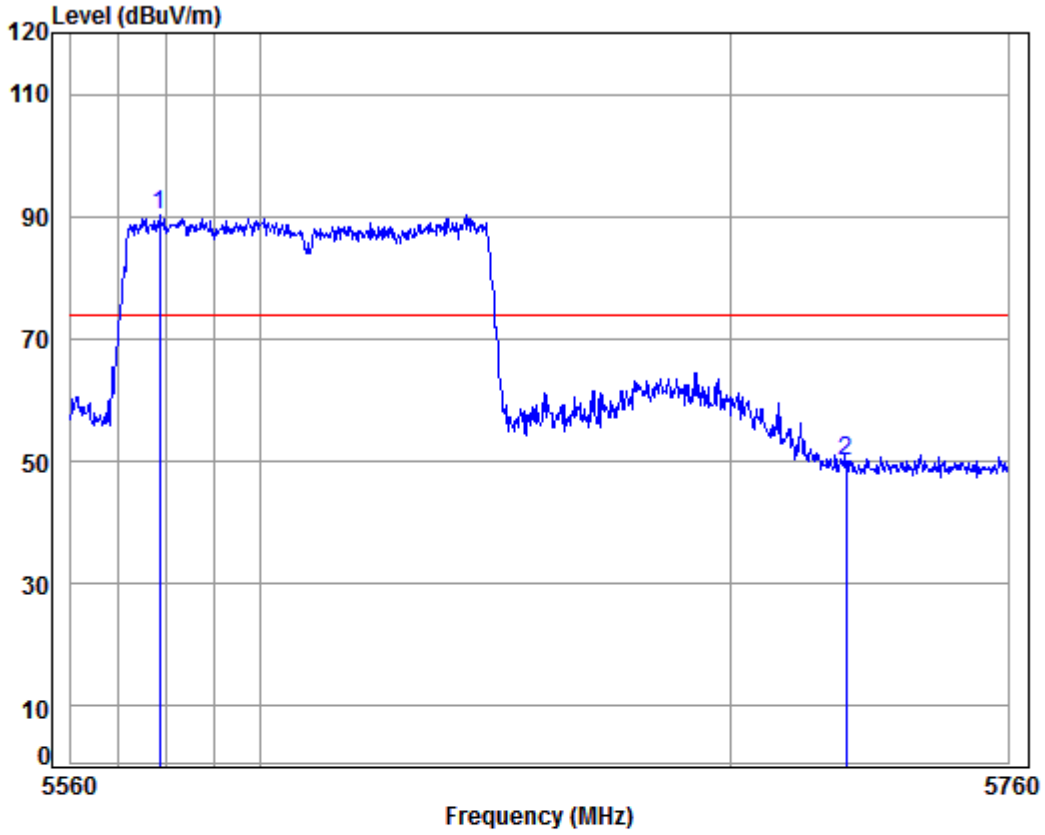
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5530 Band edge
: 5G WIFI-AC80Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 av	5445.520	8.22	34.41	38.41	46.32	50.54	54.00	-3.46	Average
2	5445.520	8.22	34.41	38.41	63.08	67.30	74.00	-6.70	Peak
3	5470.000	8.24	34.41	38.41	45.22	49.46	54.00	-4.54	Average
4	5470.000	8.24	34.41	38.41	61.10	65.34	74.00	-8.66	Peak
5 pp	5523.205	8.27	34.41	38.40	90.09	94.37	74.00	20.37	Peak

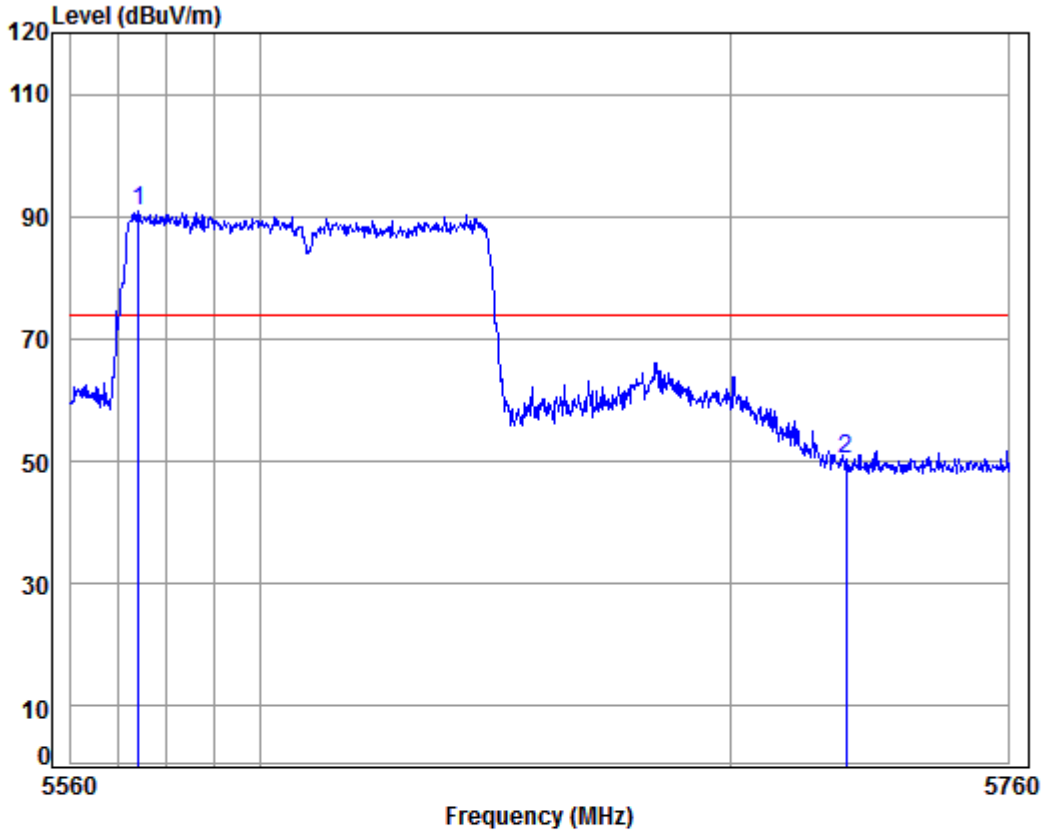
Antenna 1:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5610 Band edge
: 5G WIFI-AC80 Antenna1

	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	5578.698	8.33	34.45	38.38	85.92	90.32	74.00	16.32	Peak
2	5725.000	8.48	34.54	38.35	45.26	49.93	74.00	-24.07	Peak

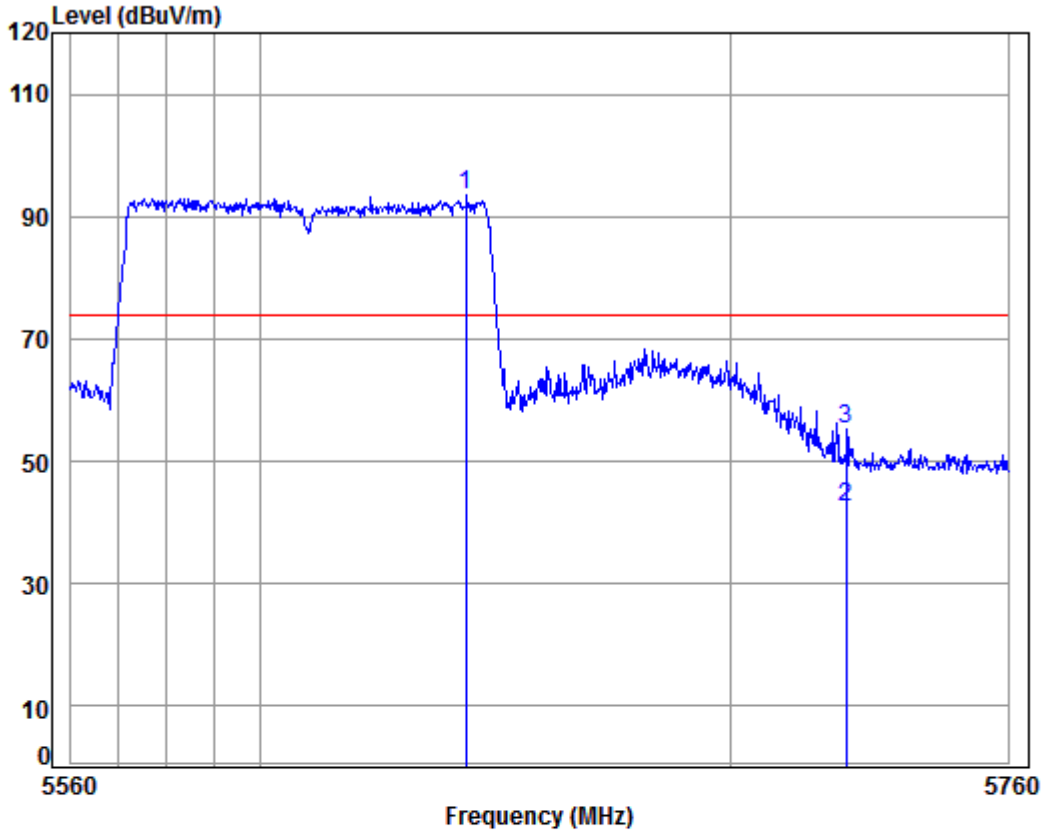
Antenna 2:Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5610 Band edge
: 5G WIFI-AC80Antenna2

	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	5574.165	8.33	34.45	38.39	86.37	90.76	74.00	16.76	Peak
2	5725.000	8.48	34.54	38.35	45.65	50.32	74.00	-23.68	Peak

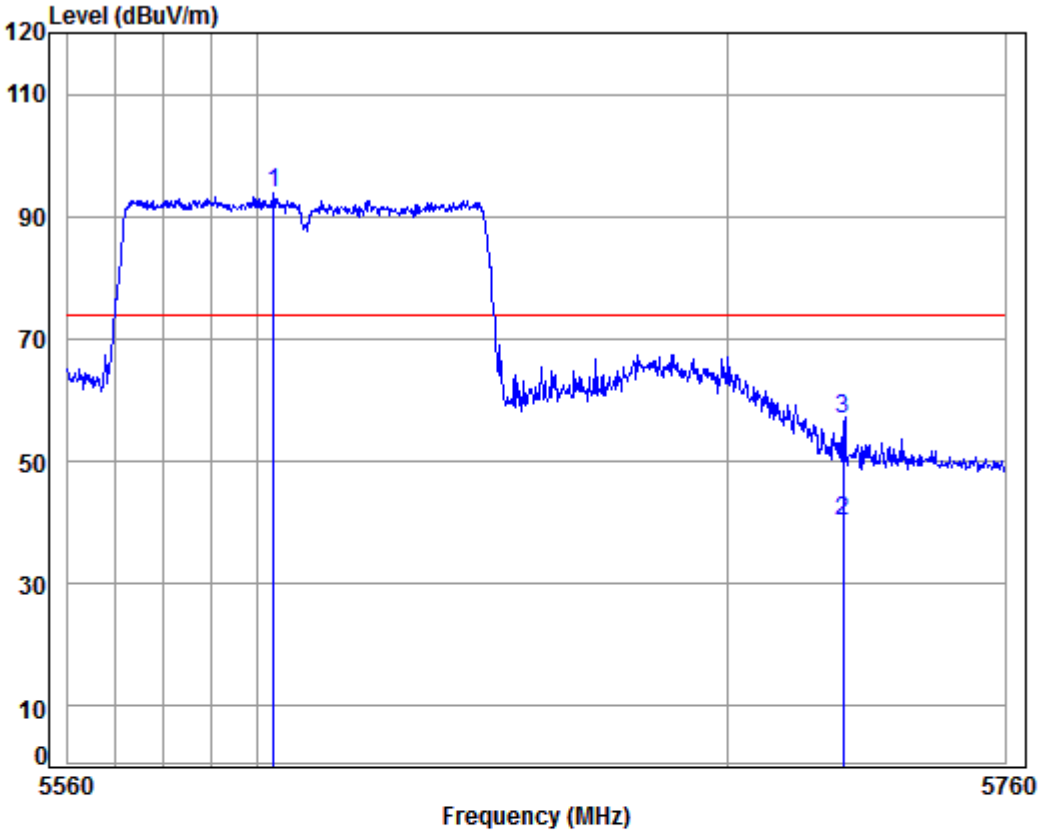
Antenna 1:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5610 Band edge
: 5G WIFI-AC80 Antenna1

	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 5643.539	8.40	34.49	38.37	89.14	93.66	74.00	19.66	Peak
2	av 5725.000	8.48	34.54	38.35	37.82	42.49	54.00	-11.51	Average
3	5725.000	8.48	34.54	38.35	50.58	55.25	74.00	-18.75	Peak

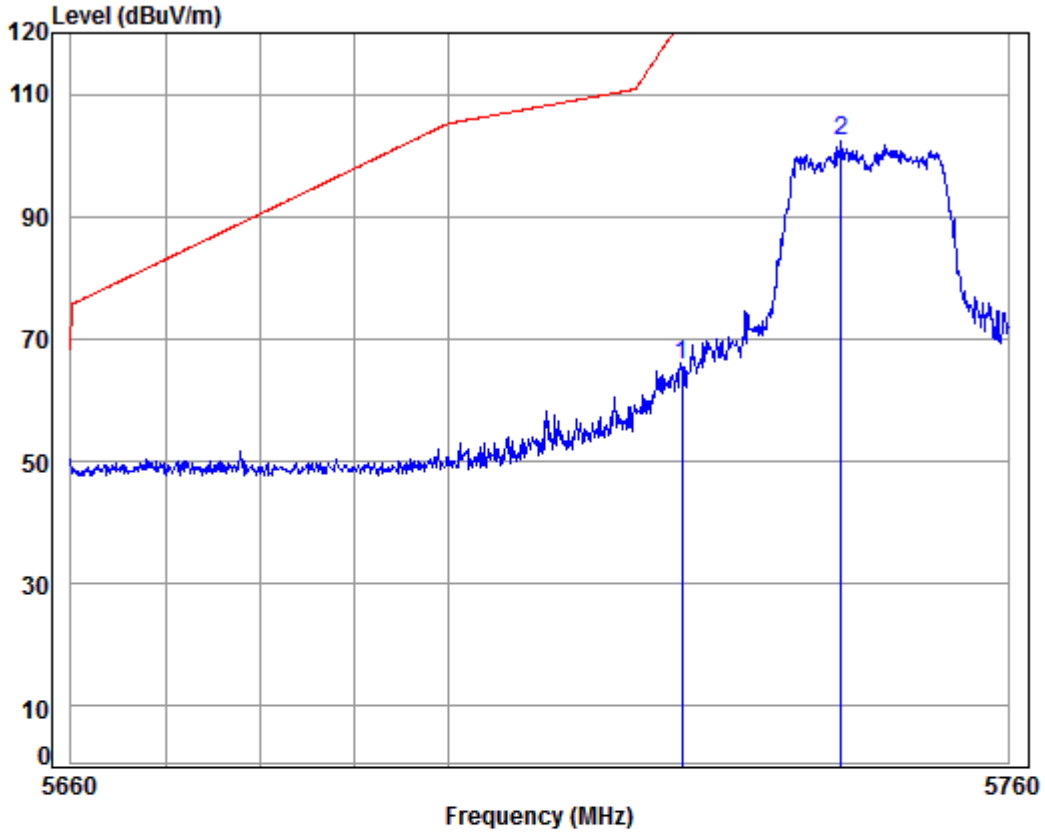
Antenna 2:Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5610 Band edge
: 5G WIFI-AC80Antenna2

	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 5603.396	8.36	34.46	38.38	89.32	93.76	74.00	19.76	Peak
2	av 5725.000	8.48	34.54	38.35	35.62	40.29	54.00	-13.71	Average
3	5725.000	8.48	34.54	38.35	52.15	56.82	74.00	-17.18	Peak

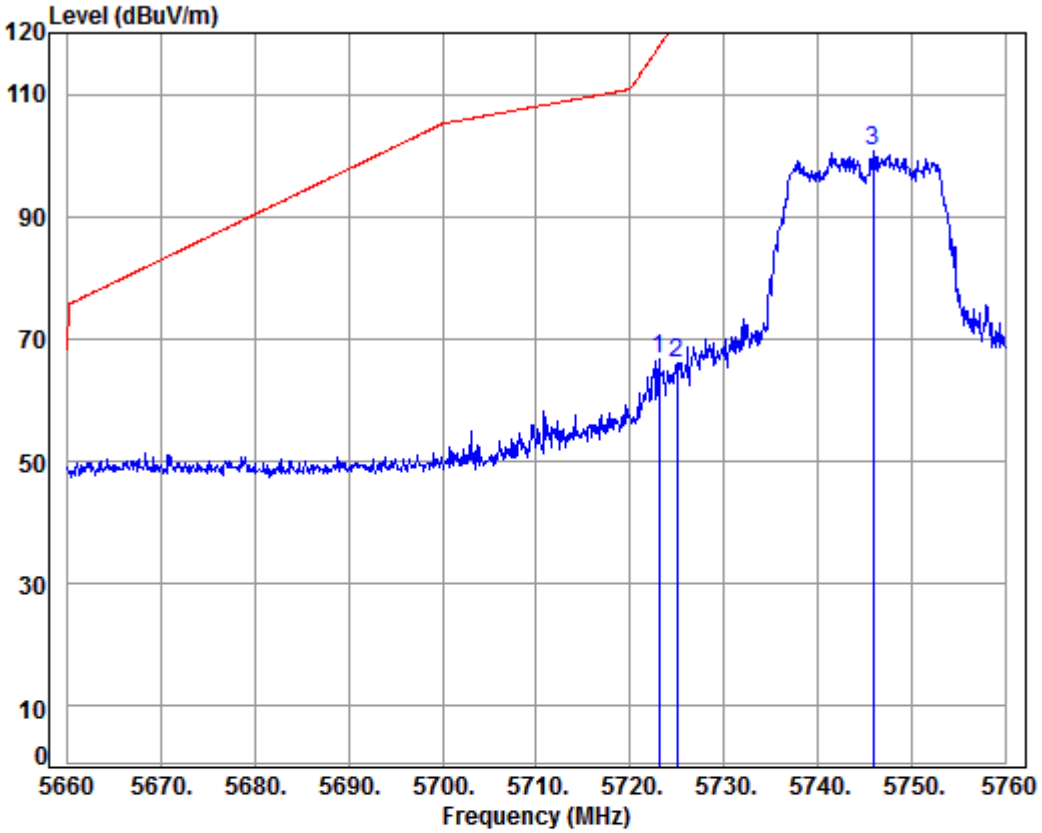
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-A20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	61.13	65.80	122.20	-56.40	Peak
2 pp	5742.072	8.50	34.55	38.35	97.74	102.44	125.20	-22.76	Peak

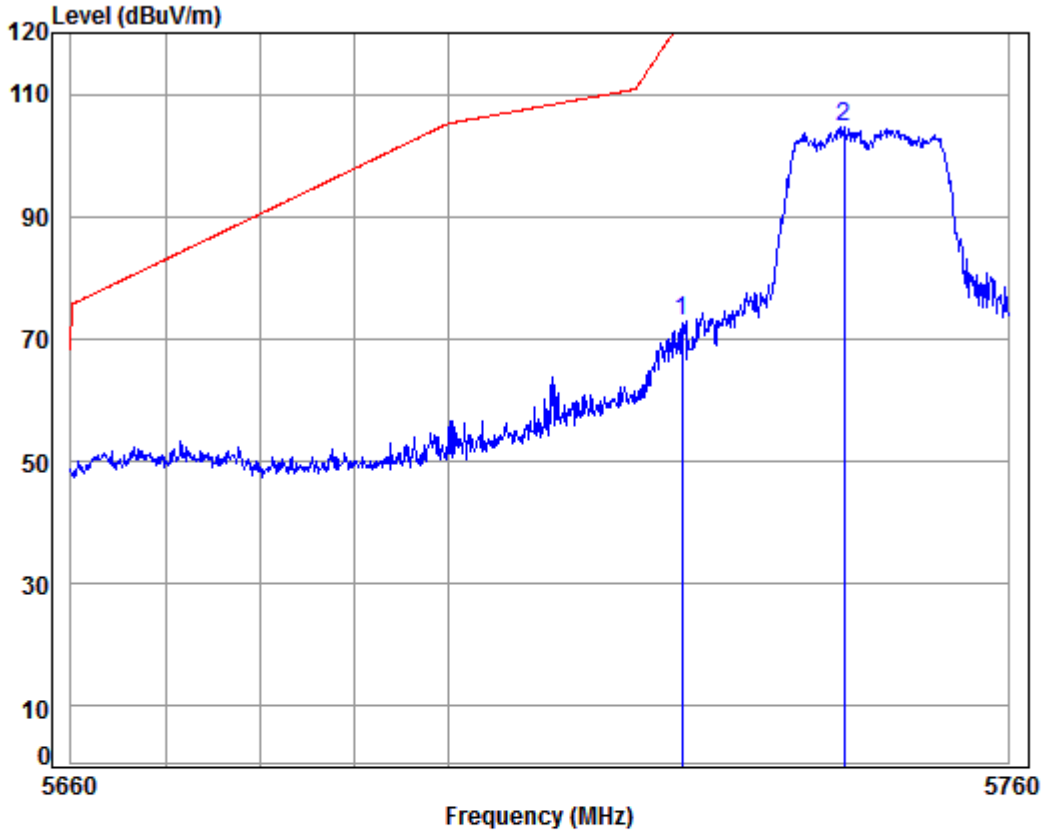
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-A20Antenna2

	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	5723.100	8.48	34.54	38.36	62.08	66.74	117.87	-51.13	Peak
2	5725.000	8.48	34.54	38.35	61.47	66.14	122.20	-56.06	Peak
3 pp	5745.900	8.50	34.55	38.35	96.02	100.72	125.20	-24.48	Peak

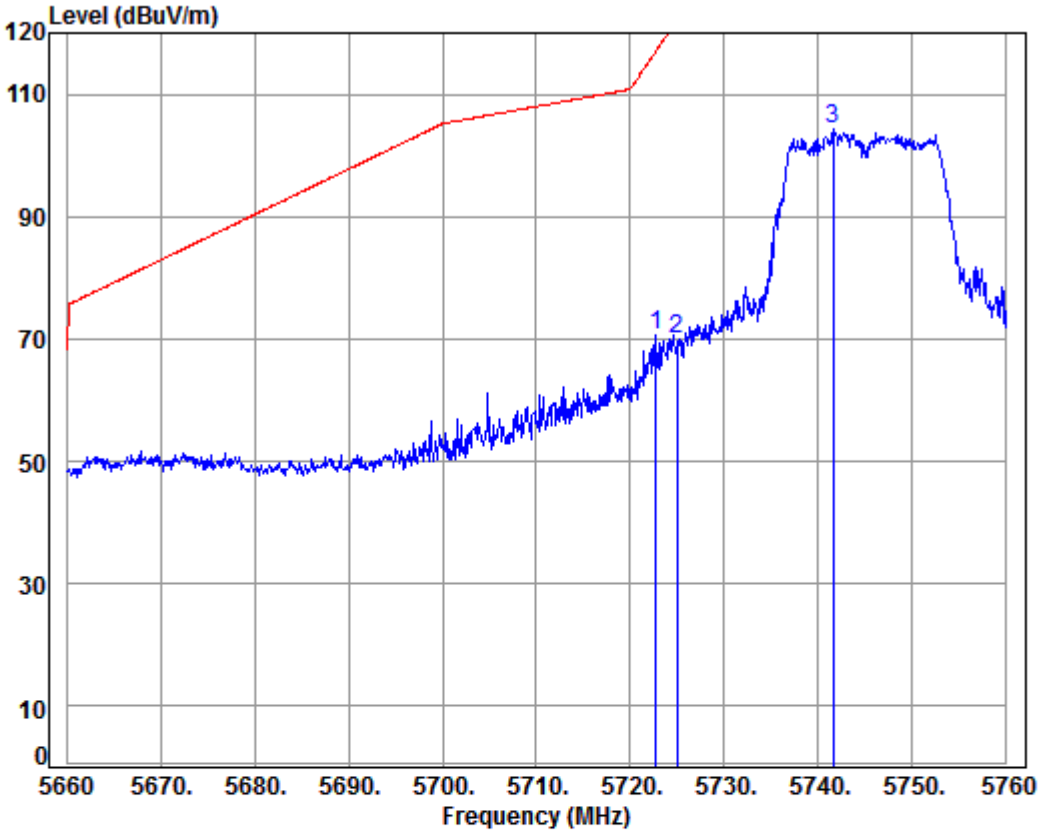
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-A20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	68.36	73.03	122.20	-49.17	Peak
2 pp	5742.374	8.50	34.55	38.35	99.84	104.54	125.20	-20.66	Peak

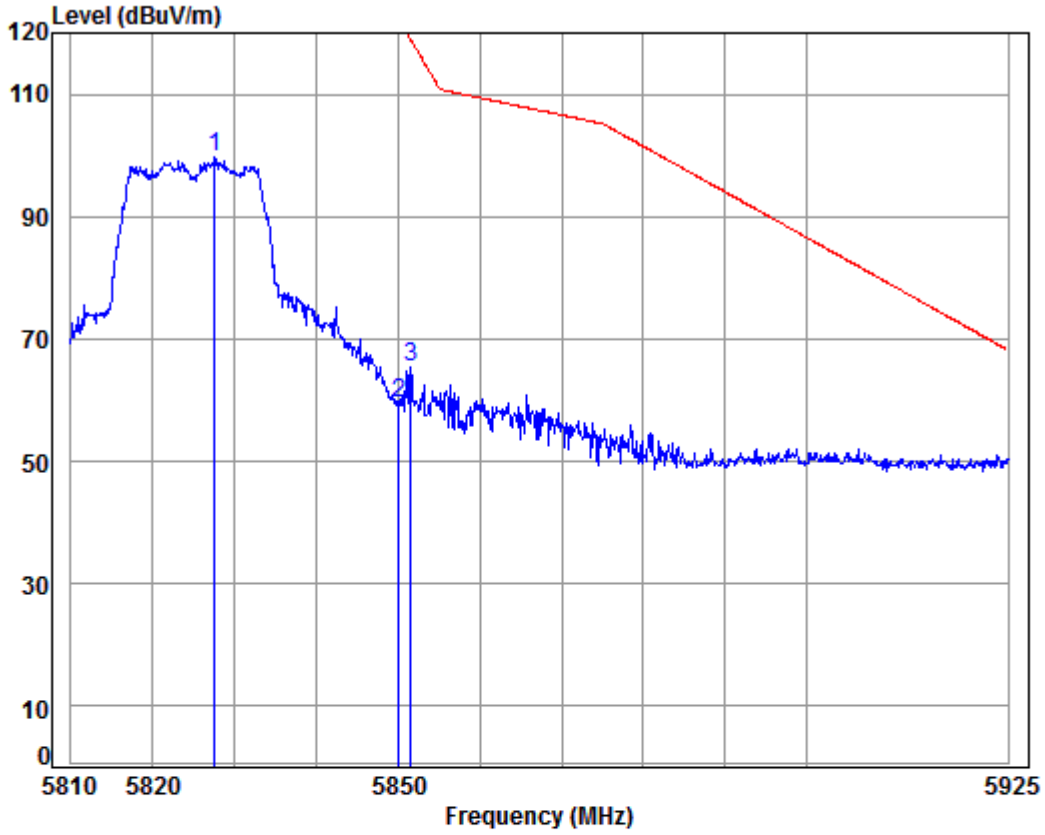
Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-A20Antenna2

	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	5722.800	8.48	34.54	38.36	65.97	70.63	117.18	-46.55	Peak
2	5725.000	8.48	34.54	38.35	65.35	70.02	122.20	-52.18	Peak
3 pp	5741.700	8.50	34.55	38.35	99.76	104.46	125.20	-20.74	Peak

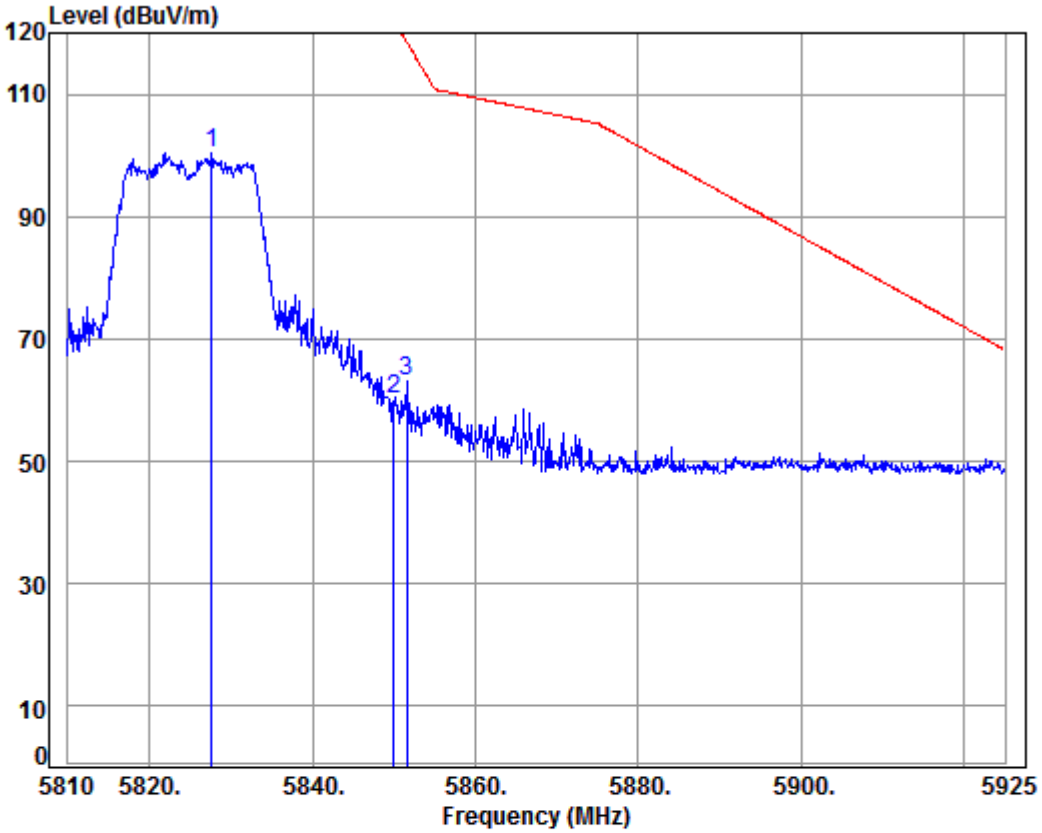
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-A20 Antenna1

	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	5827.449	8.58	34.60	38.33	94.84	99.69	125.20	-25.51	Peak
2	5850.000	8.60	34.61	38.33	54.57	59.45	122.20	-62.75	Peak
3	5851.485	8.61	34.61	38.33	60.42	65.31	118.81	-53.50	Peak

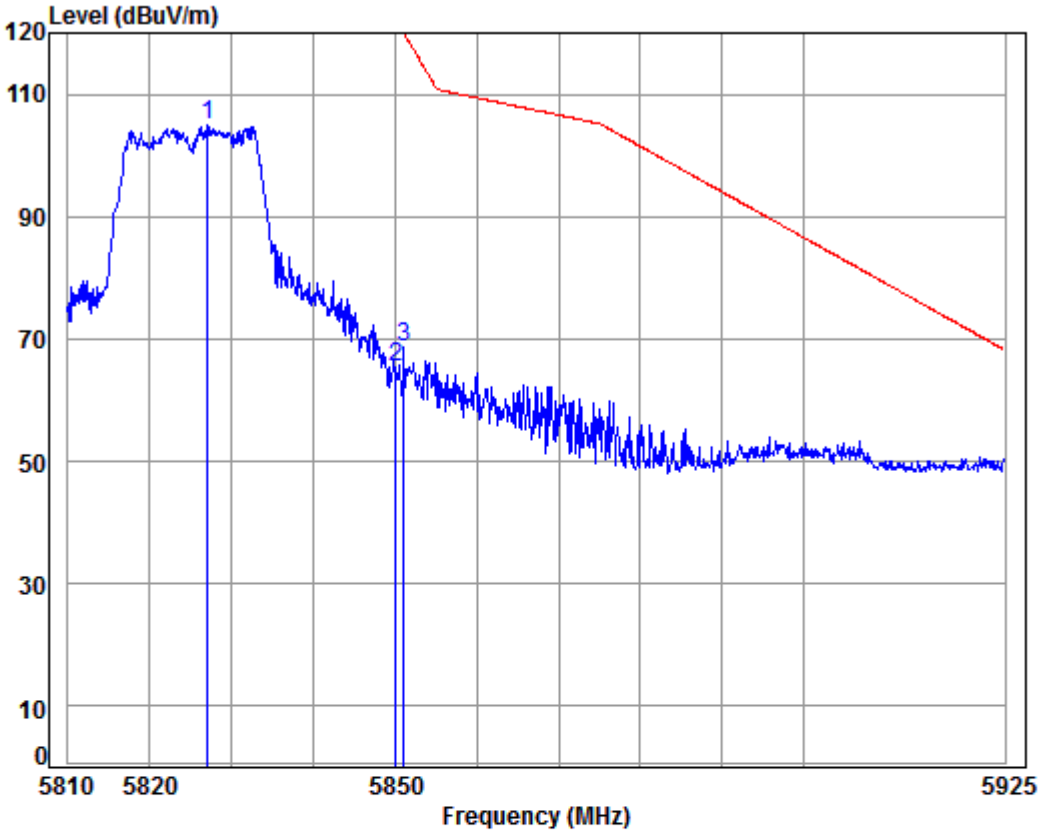
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-A20Antenna2

	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	5827.710	8.58	34.60	38.33	95.68	100.53	125.20	-24.67	Peak
2	5850.000	8.60	34.61	38.33	55.30	60.18	122.20	-62.02	Peak
3	5851.630	8.61	34.61	38.33	58.15	63.04	118.48	-55.44	Peak

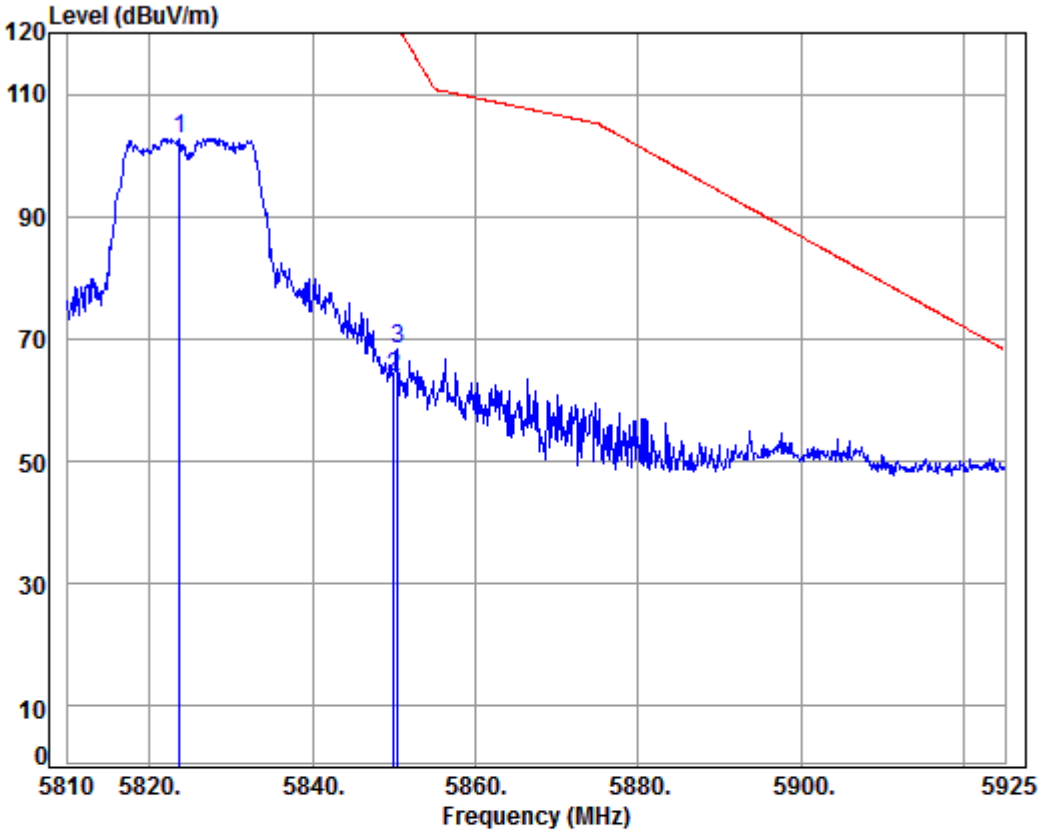
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-A20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5826.992	8.58	34.60	38.33	100.02	104.87	125.20	-20.33	Peak
2	5850.000	8.60	34.61	38.33	60.56	65.44	122.20	-56.76	Peak
3	5851.026	8.61	34.61	38.33	63.94	68.83	119.86	-51.03	Peak

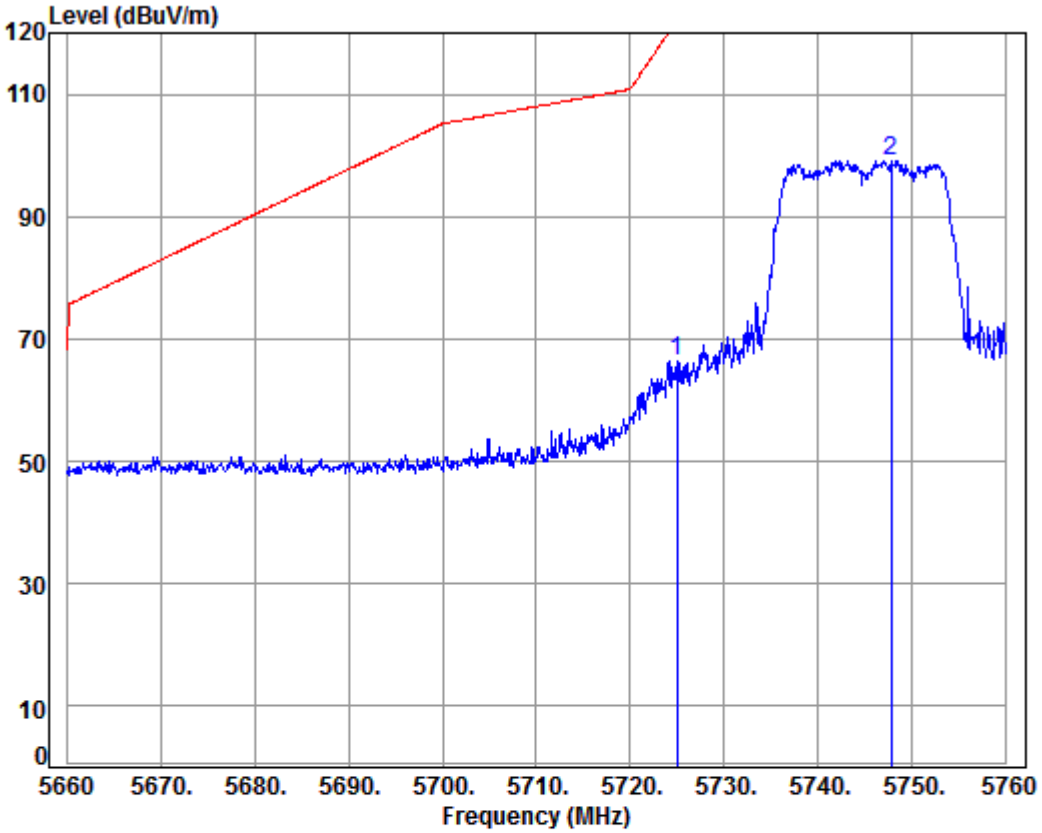
Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-A20Antenna2

	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 5823.685	8.58	34.60	38.34	97.99	102.83	125.20	-22.37	Peak
2	5850.000	8.60	34.61	38.33	58.83	63.71	122.20	-58.49	Peak
3	5850.480	8.60	34.61	38.33	63.33	68.21	121.11	-52.90	Peak

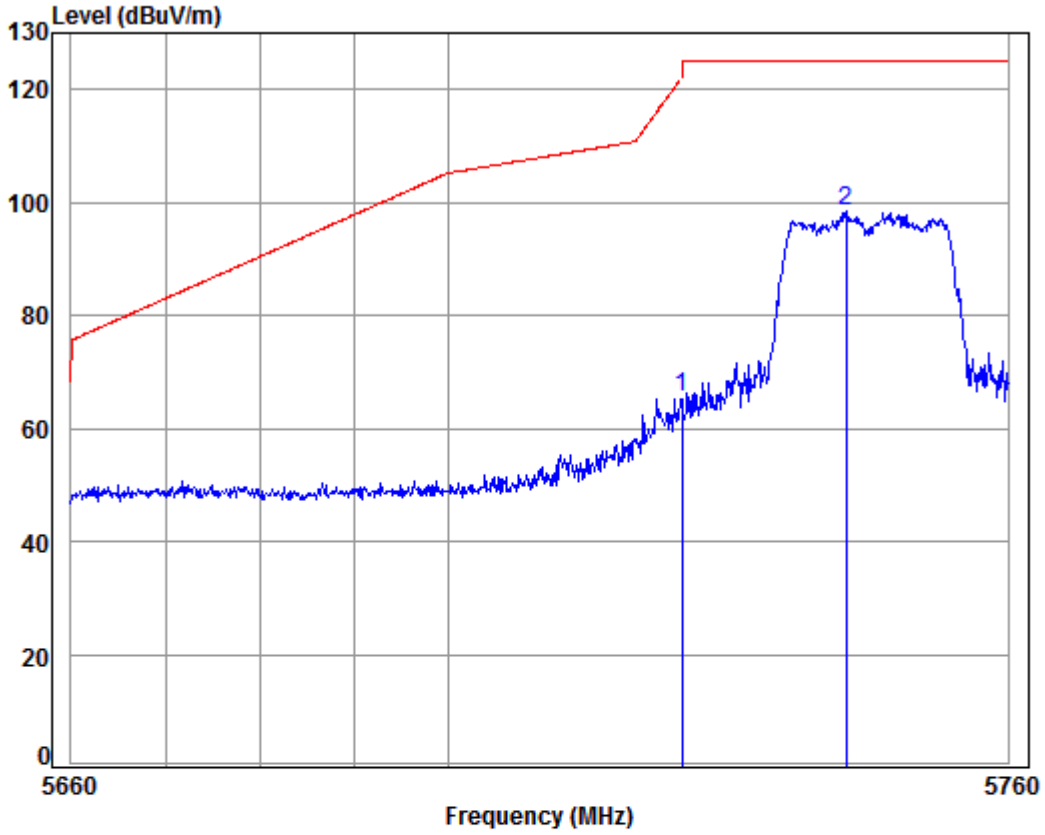
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-N20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	61.85	66.52	122.20	-55.68	Peak
2 pp	5747.800	8.50	34.55	38.35	94.35	99.05	125.20	-26.15	Peak

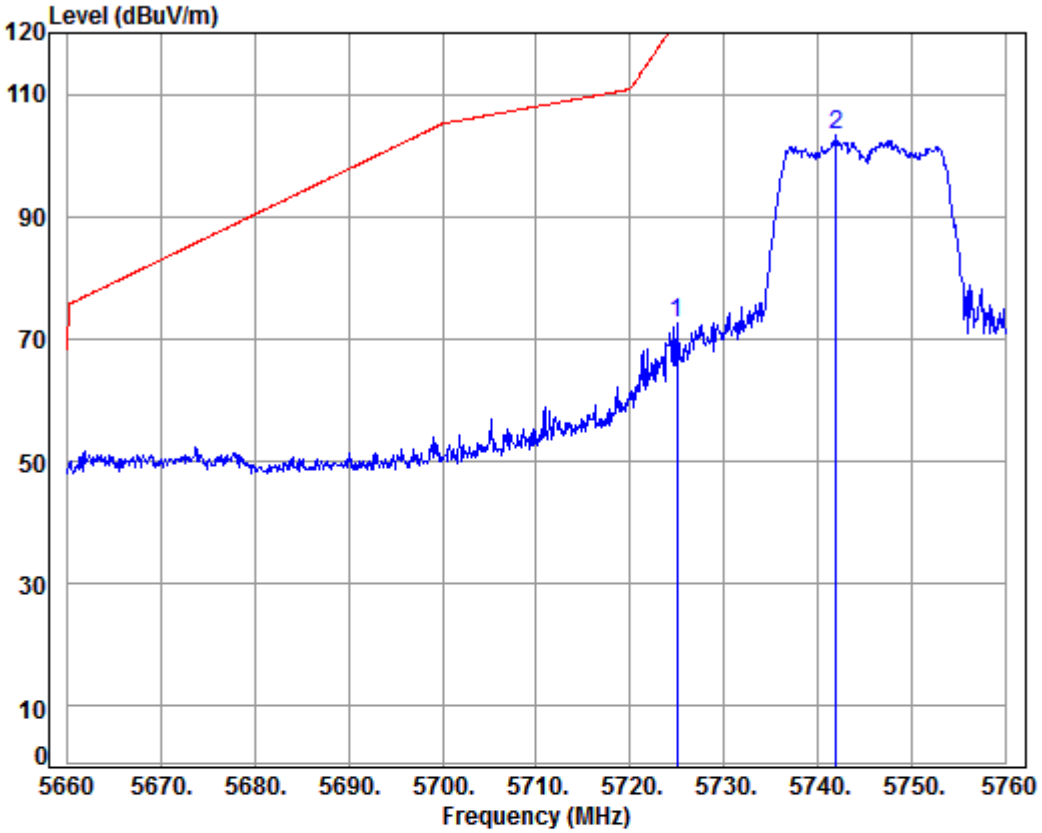
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-N20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	60.81	65.48	122.20	-56.72	Peak
2 pp	5742.575	8.50	34.55	38.35	93.65	98.35	125.20	-26.85	Peak

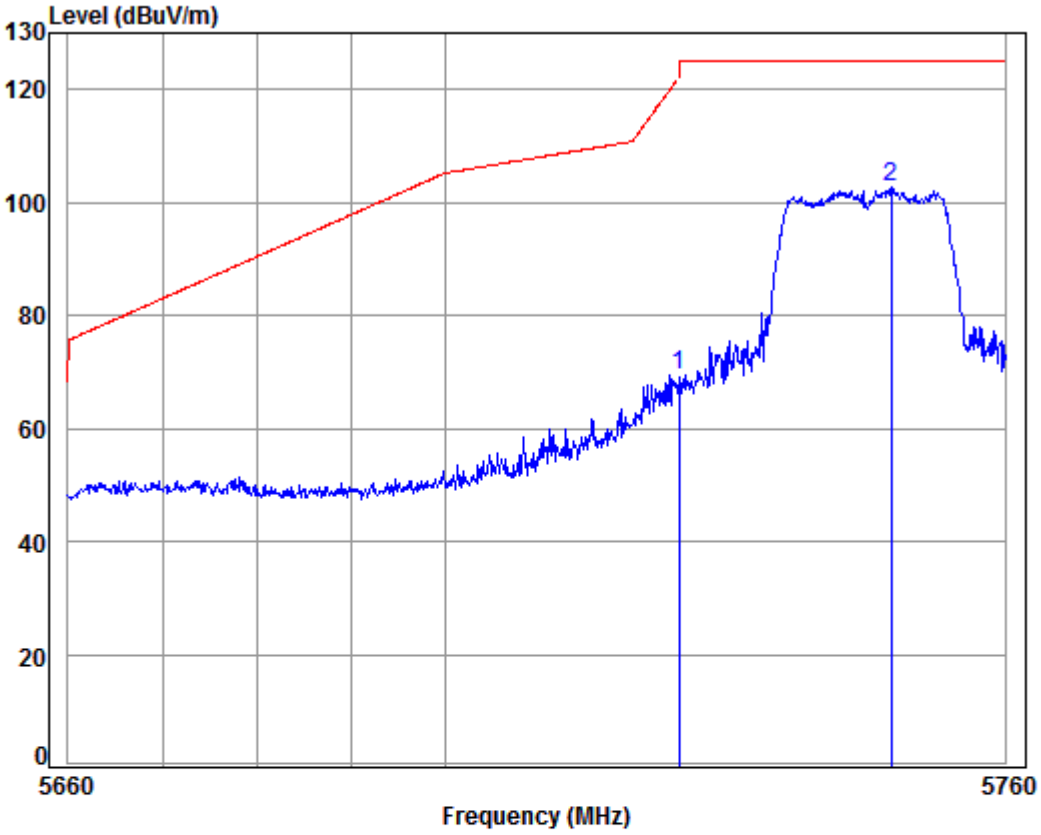
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-N20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	68.03	72.70	122.20	-49.50	Peak
2 pp	5742.000	8.50	34.55	38.35	98.53	103.23	125.20	-21.97	Peak

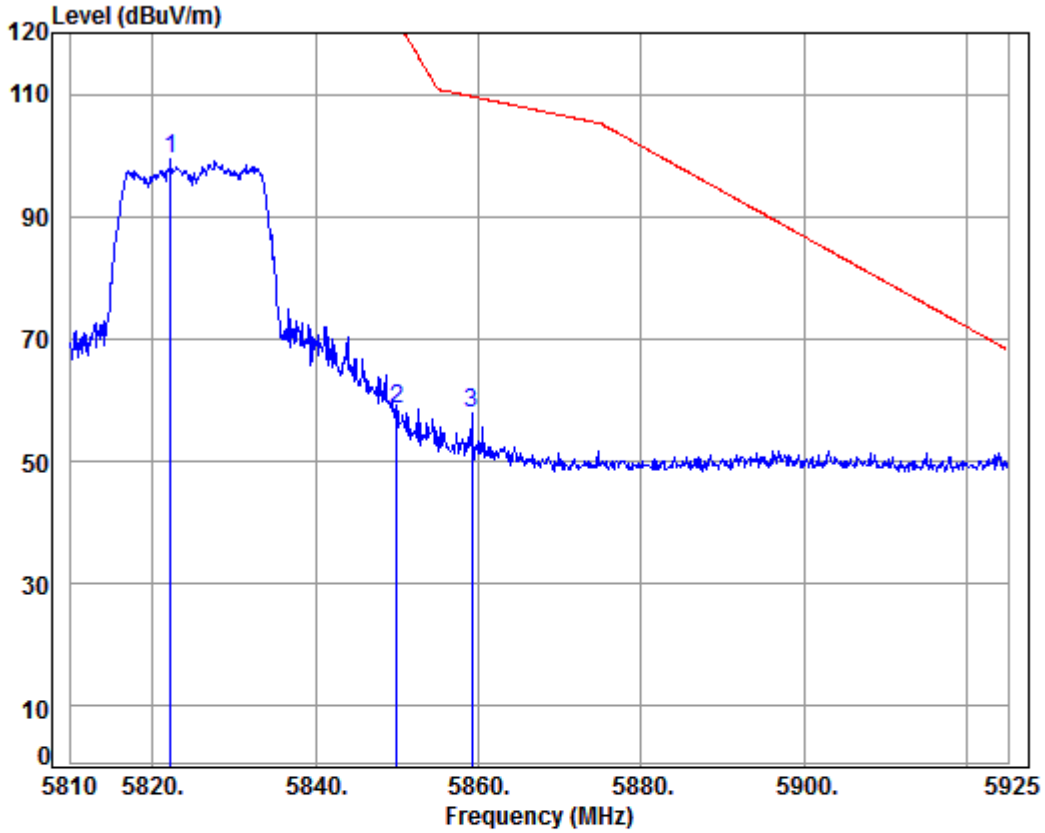
Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-N20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	64.74	69.41	122.20	-52.79	Peak
2 pp	5747.706	8.50	34.55	38.35	97.86	102.56	125.20	-22.64	Peak

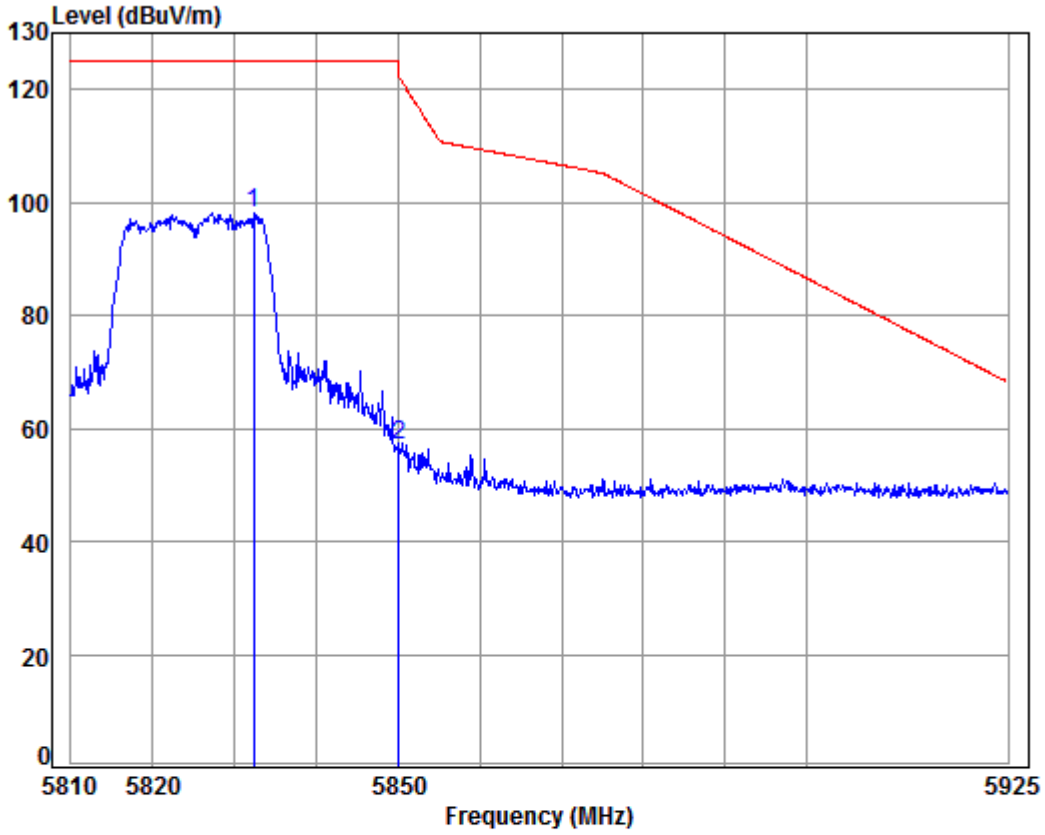
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-N20 Antenna1

	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	5822.190	8.58	34.60	38.34	94.56	99.40	125.20	-25.80	Peak
2	5850.000	8.60	34.61	38.33	53.69	58.57	122.20	-63.63	Peak
3	5859.220	8.61	34.62	38.33	52.88	57.78	109.62	-51.84	Peak

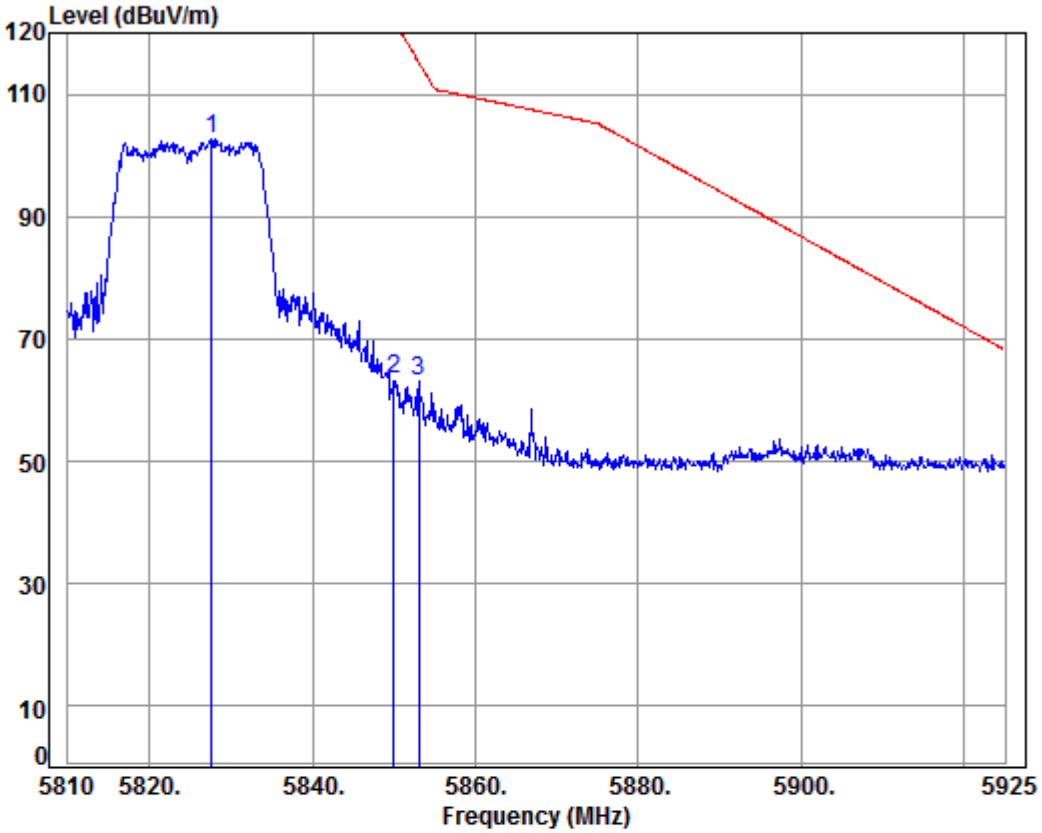
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-N20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5832.249	8.59	34.60	38.33	93.30	98.16	125.20	-27.04	Peak
2	5850.000	8.60	34.61	38.33	52.12	57.00	122.20	-65.20	Peak

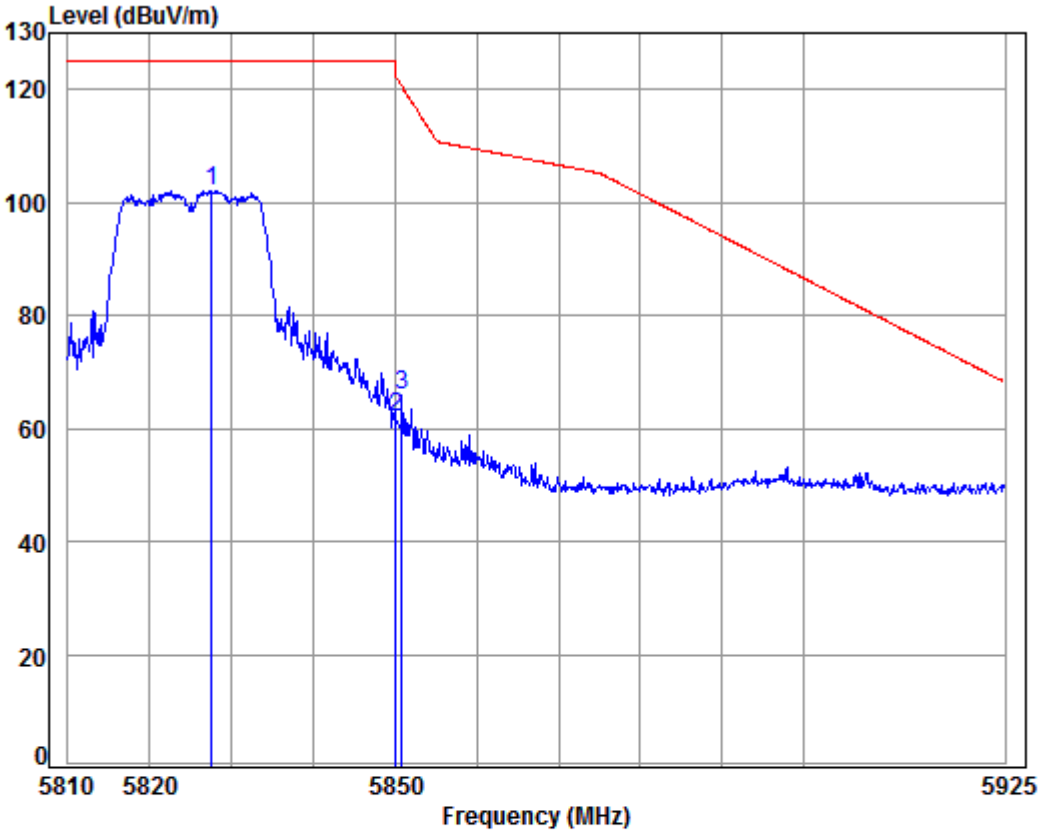
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-N20 Antenna1

	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	5827.595	8.58	34.60	38.33	97.98	102.83	125.20	-22.37	Peak
2	5850.000	8.60	34.61	38.33	58.50	63.38	122.20	-58.82	Peak
3	5853.125	8.61	34.61	38.33	58.06	62.95	115.07	-52.12	Peak

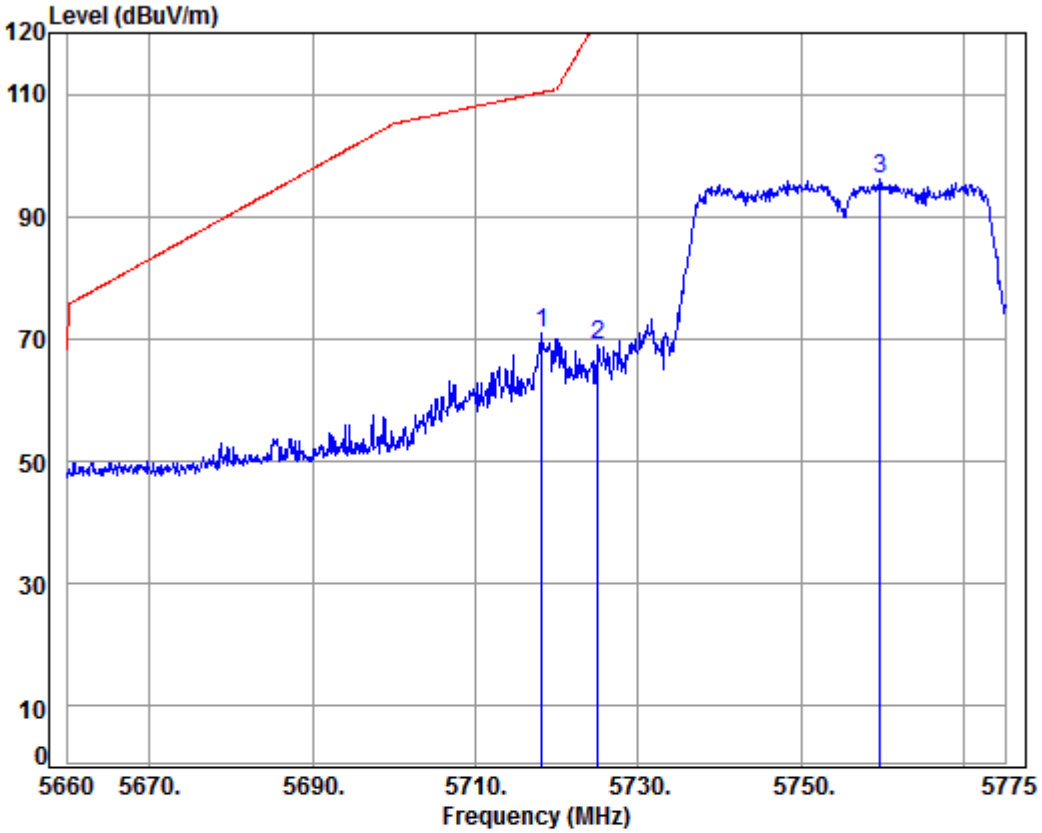
Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-N20Antenna2

	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	5827.563	8.58	34.60	38.33	97.23	102.08	125.20	-23.12	Peak
2	5850.000	8.60	34.61	38.33	57.20	62.08	122.20	-60.12	Peak
3	5850.682	8.61	34.61	38.33	60.93	65.82	120.65	-54.83	Peak

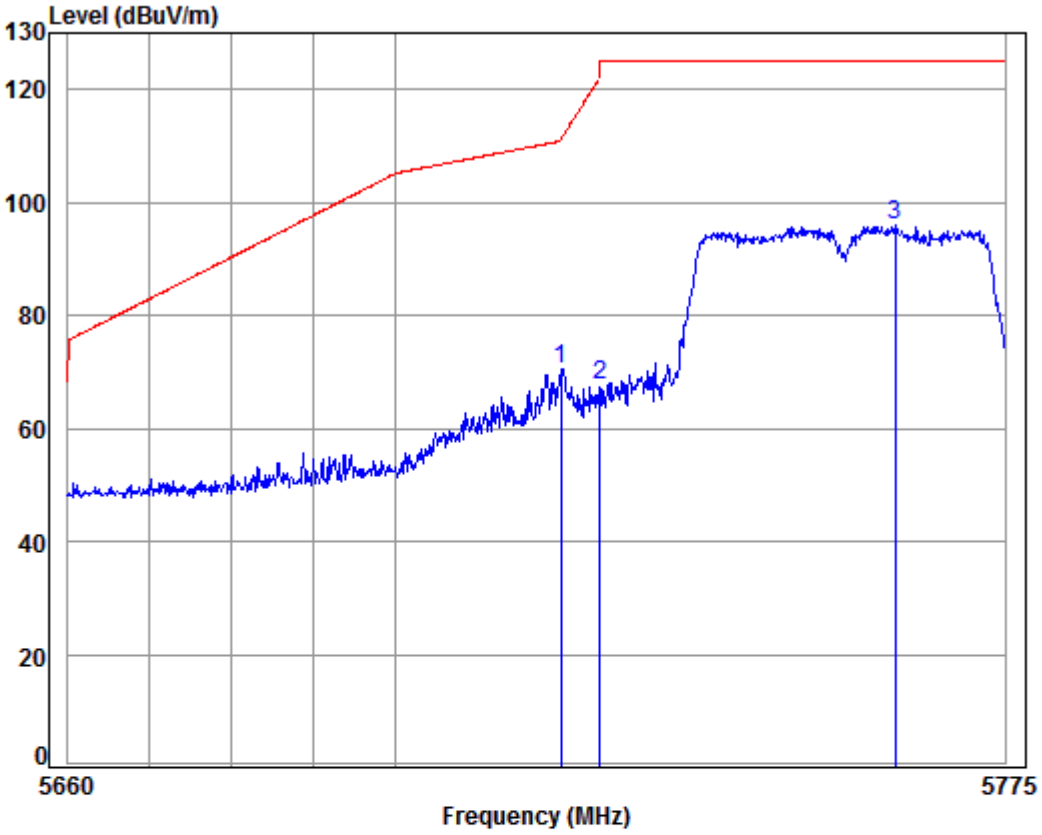
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5755 Band edge
: 5G WIFI-N40 Antenna1

	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	5718.190	8.47	34.53	38.36	66.31	70.95	110.29	-39.34	Peak
2	5725.000	8.48	34.54	38.35	64.30	68.97	122.20	-53.23	Peak
3 pp	5759.705	8.52	34.56	38.35	91.39	96.12	125.20	-29.08	Peak

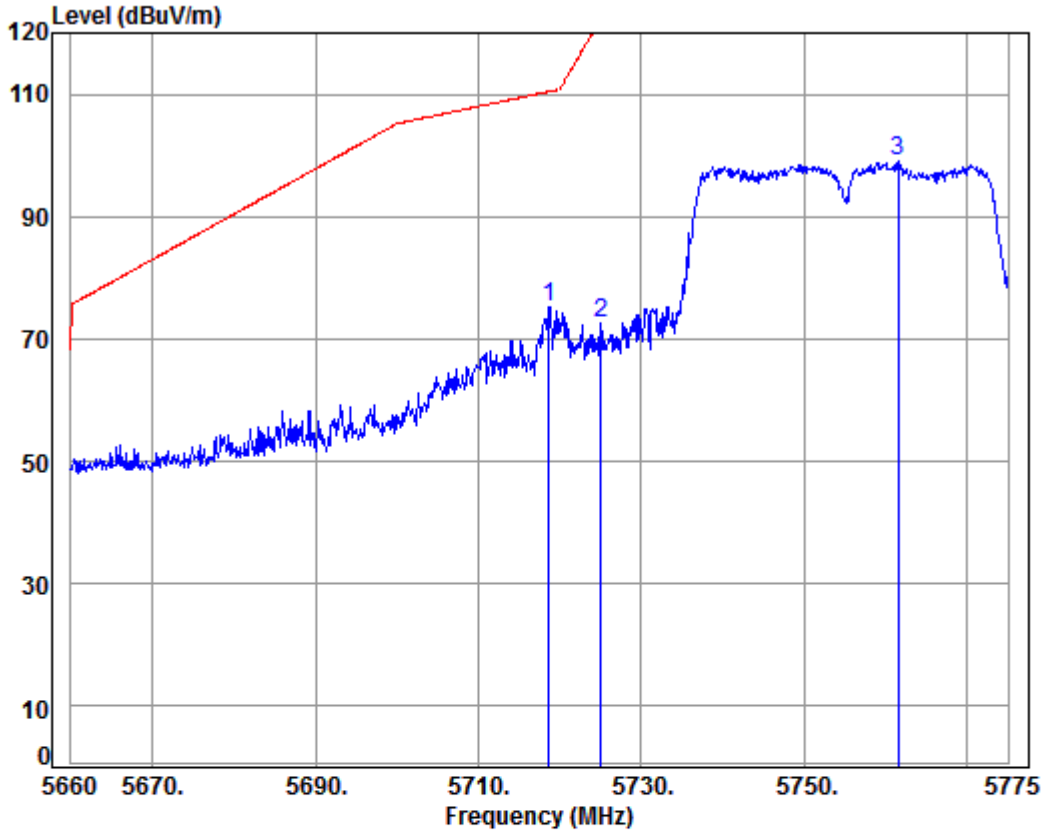
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5755 Band edge
: 5G WIFI-N40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5720.202	8.48	34.54	38.36	65.83	70.49	111.26	-40.77	Peak
2	5725.000	8.48	34.54	38.35	63.00	67.67	122.20	-54.53	Peak
3 pp	5761.425	8.52	34.56	38.35	91.20	95.93	125.20	-29.27	Peak

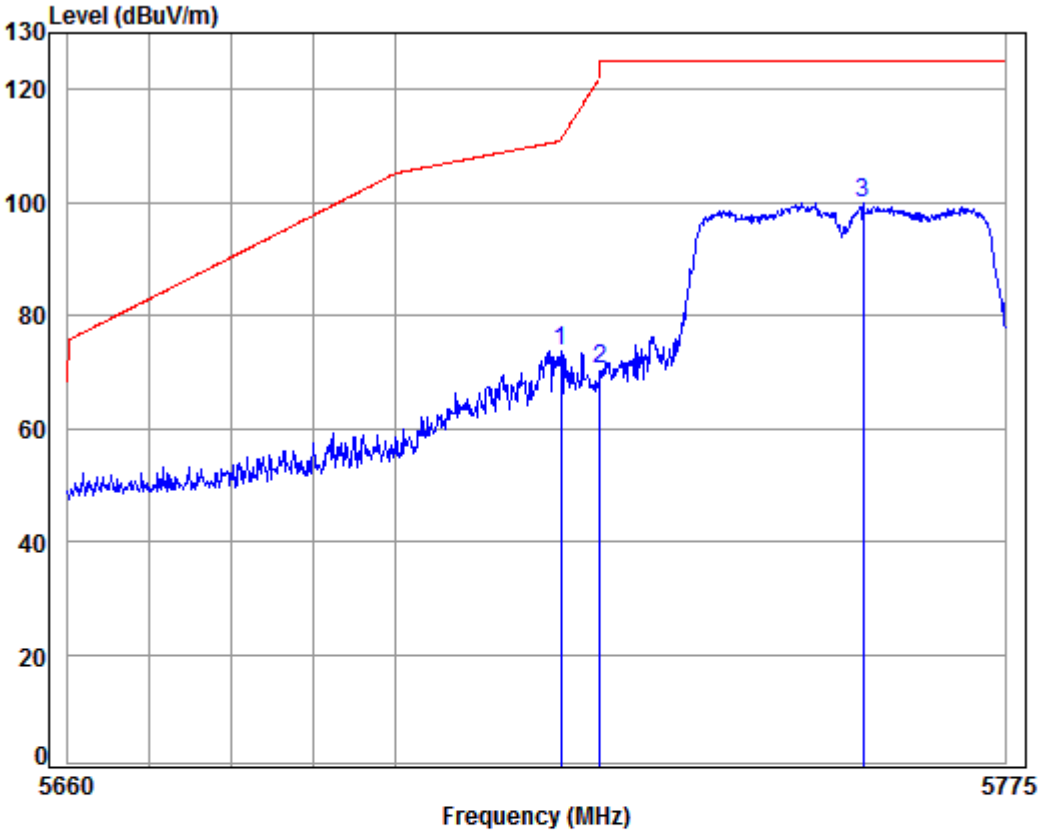
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5755 Band edge
: 5G WIFI-N40 Antenna1

	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	5718.650	8.47	34.53	38.36	70.67	75.31	110.42	-35.11	Peak
2	5725.000	8.48	34.54	38.35	67.98	72.65	122.20	-49.55	Peak
3 pp	5761.545	8.52	34.56	38.35	94.35	99.08	125.20	-26.12	Peak

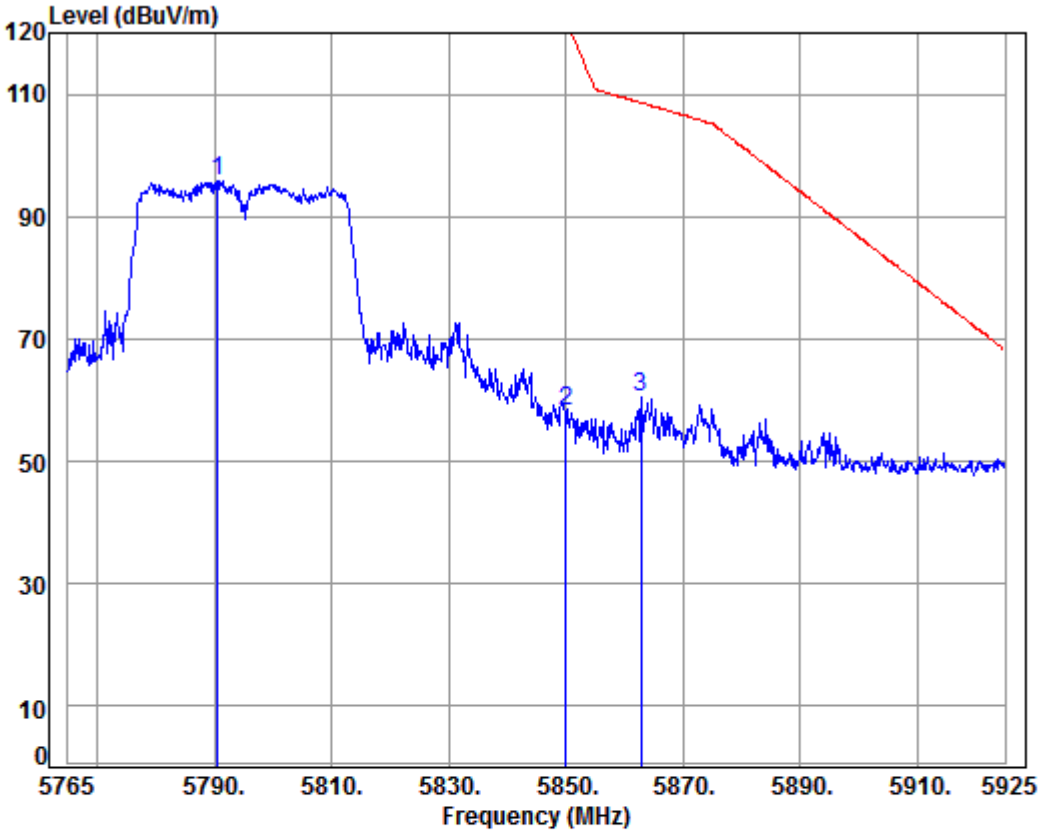
Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5755 Band edge
: 5G WIFI-N40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5720.202	8.48	34.54	38.36	69.18	73.84	111.26	-37.42	Peak
2	5725.000	8.48	34.54	38.35	65.81	70.48	122.20	-51.72	Peak
3 pp	5757.486	8.51	34.56	38.35	95.18	99.90	125.20	-25.30	Peak

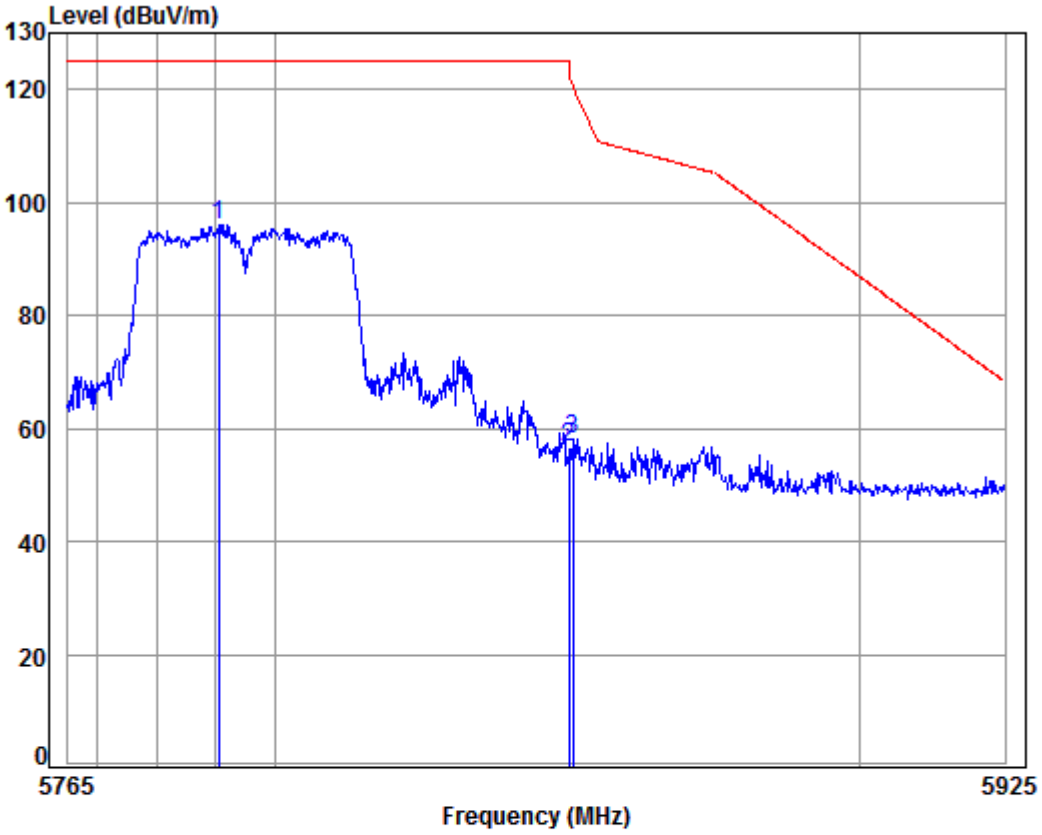
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5795 Band edge
: 5G WIFI-N40 Antenna1

	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	5790.600	8.55	34.58	38.34	91.08	95.87	125.20	-29.33	Peak
2	5850.000	8.60	34.61	38.33	53.28	58.16	122.20	-64.04	Peak
3	5862.920	8.62	34.62	38.33	55.47	60.38	108.58	-48.20	Peak

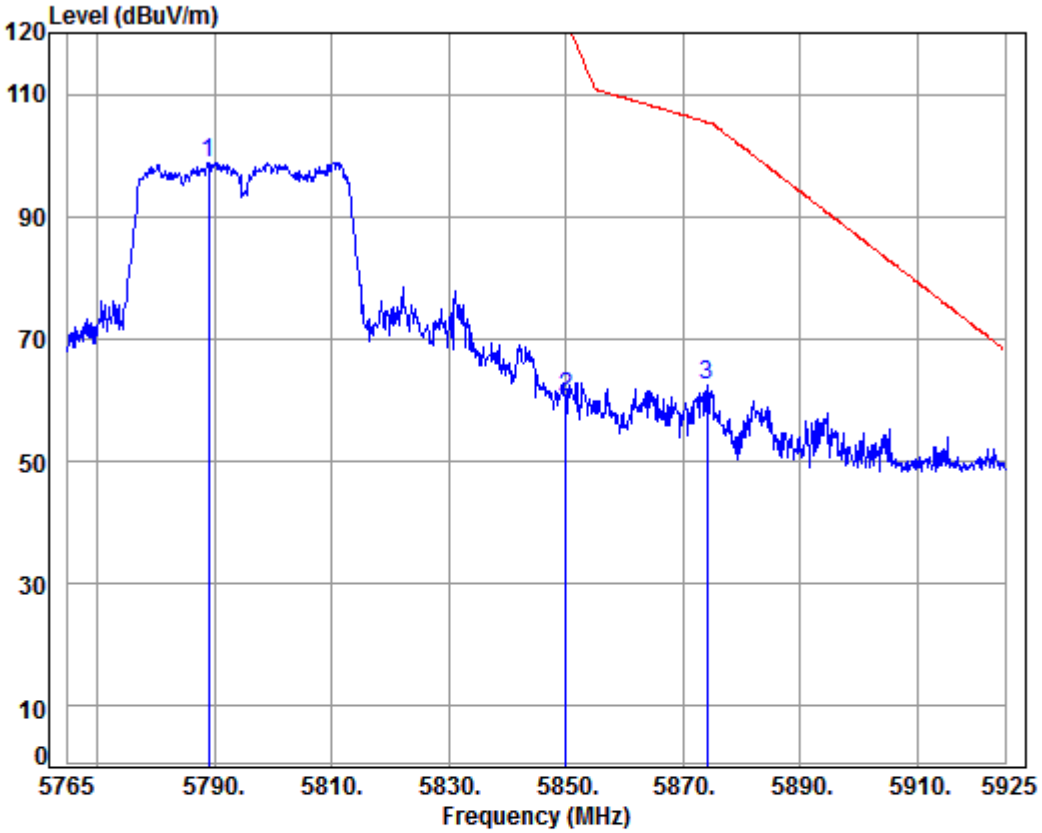
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5795 Band edge
: 5G WIFI-N40Antenna2

	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	5790.465	8.55	34.58	38.34	91.36	96.15	125.20	-29.05	Peak
2	5850.000	8.60	34.61	38.33	51.70	56.58	122.20	-65.62	Peak
3	5850.696	8.61	34.61	38.33	53.37	58.26	120.61	-62.35	Peak

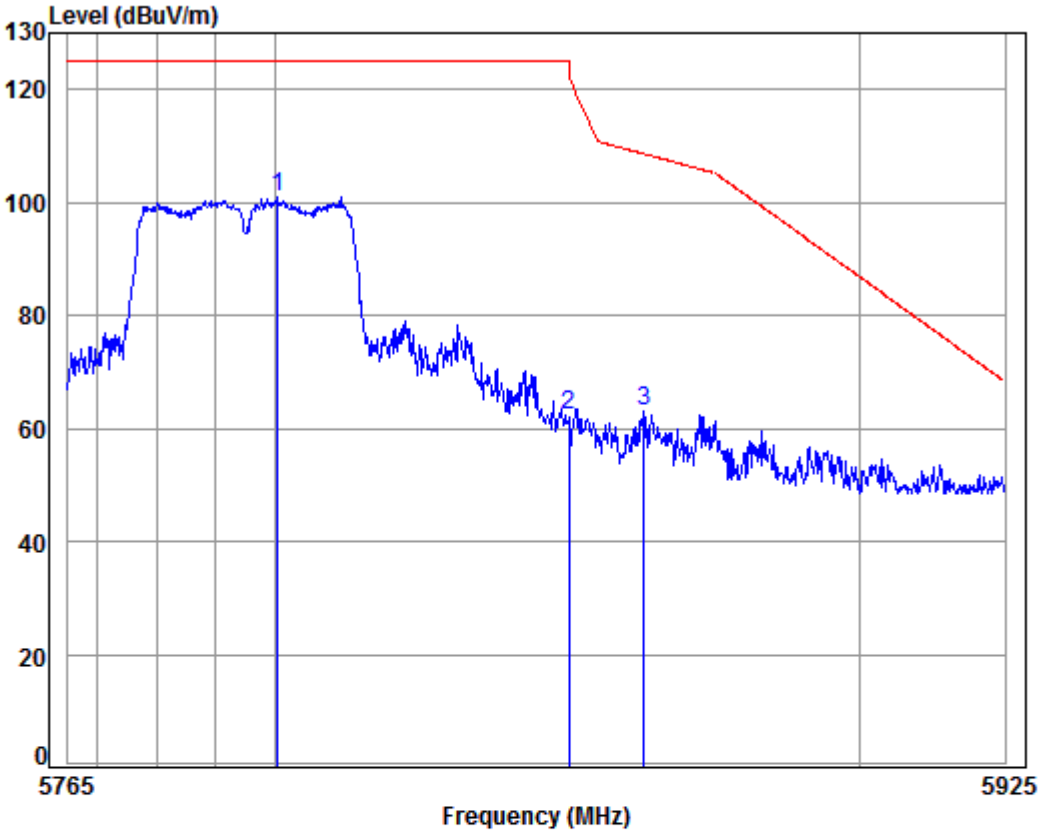
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5795 Band edge
: 5G WIFI-N40 Antenna1

	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	5789.000	8.54	34.58	38.34	94.12	98.90	125.20	-26.30	Peak
2	5850.000	8.60	34.61	38.33	55.71	60.59	122.20	-61.61	Peak
3	5874.120	8.63	34.63	38.33	57.57	62.50	105.45	-42.95	Peak

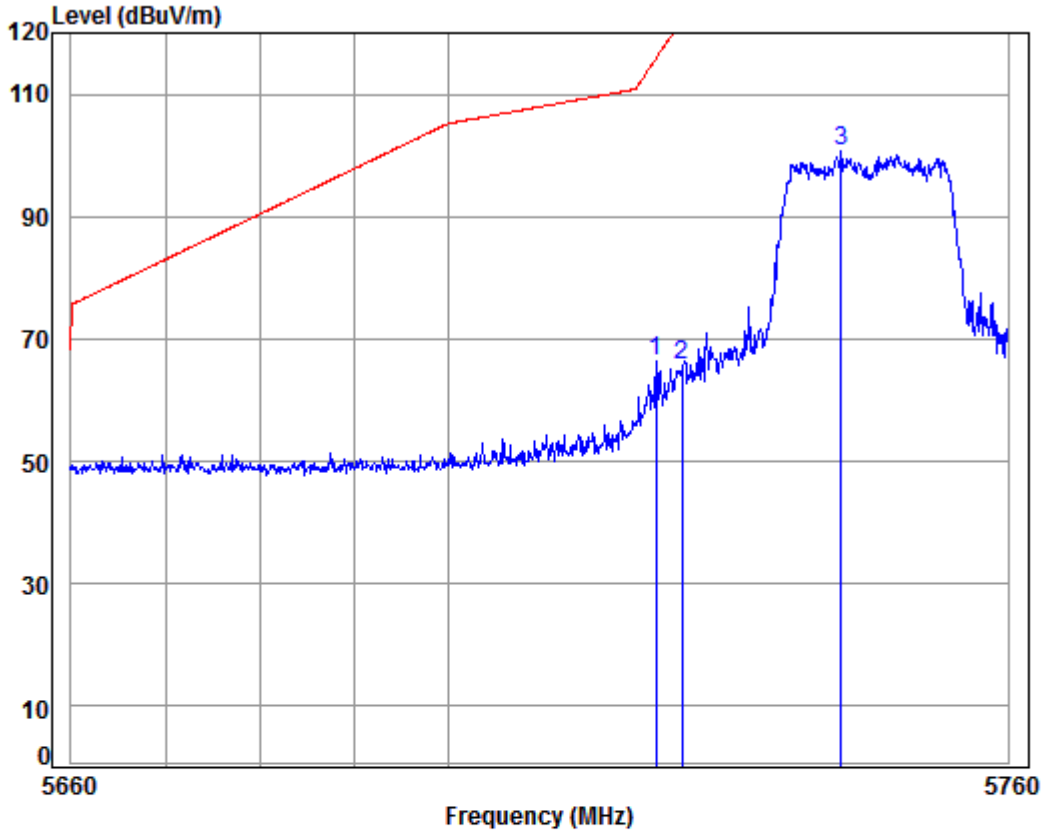
Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5795 Band edge
: 5G WIFI-N40Antenna2

	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	5800.460	8.56	34.58	38.34	96.08	100.88	125.20	-24.32	Peak
2	5850.000	8.60	34.61	38.33	57.35	62.23	122.20	-59.97	Peak
3	5862.881	8.62	34.62	38.33	58.04	62.95	108.59	-45.64	Peak

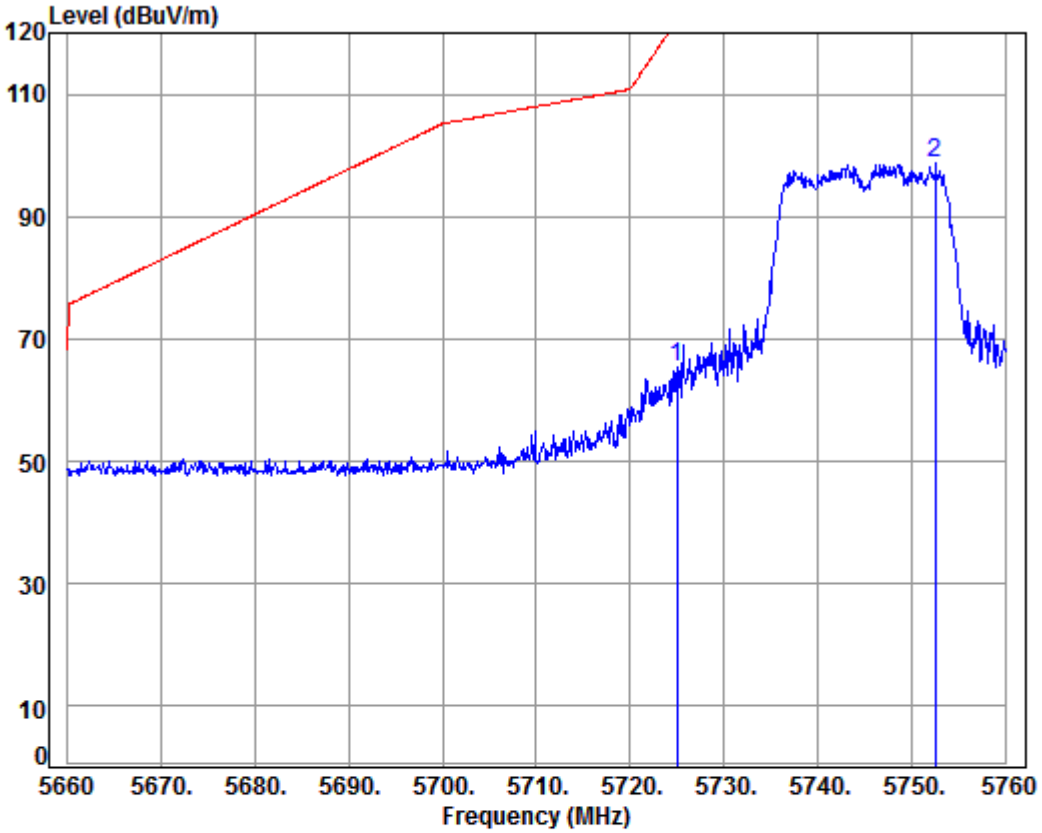
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-AC20 Antenna1

	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	5722.194	8.48	34.54	38.36	61.68	66.34	115.80	-49.46	Peak
2	5725.000	8.48	34.54	38.35	61.08	65.75	122.20	-56.45	Peak
3 pp	5742.072	8.50	34.55	38.35	96.14	100.84	125.20	-24.36	Peak

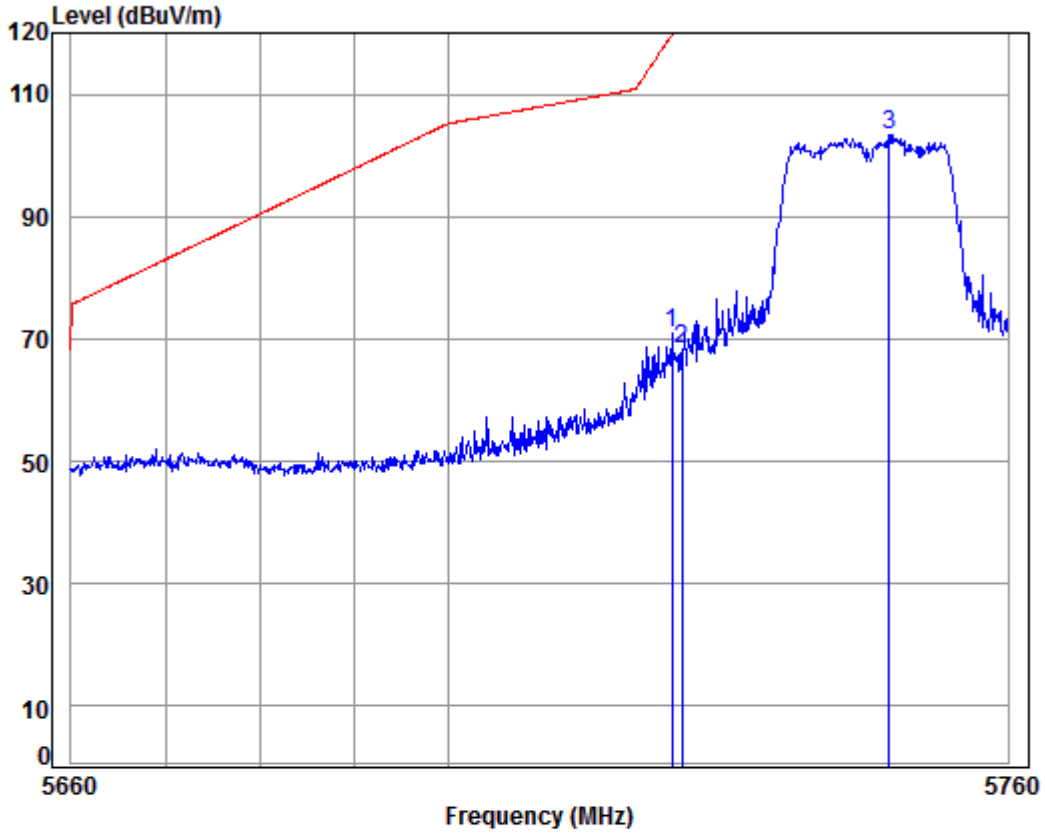
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-AC20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	60.81	65.48	122.20	-56.72	Peak
2 pp	5752.600	8.51	34.55	38.35	93.88	98.59	125.20	-26.61	Peak

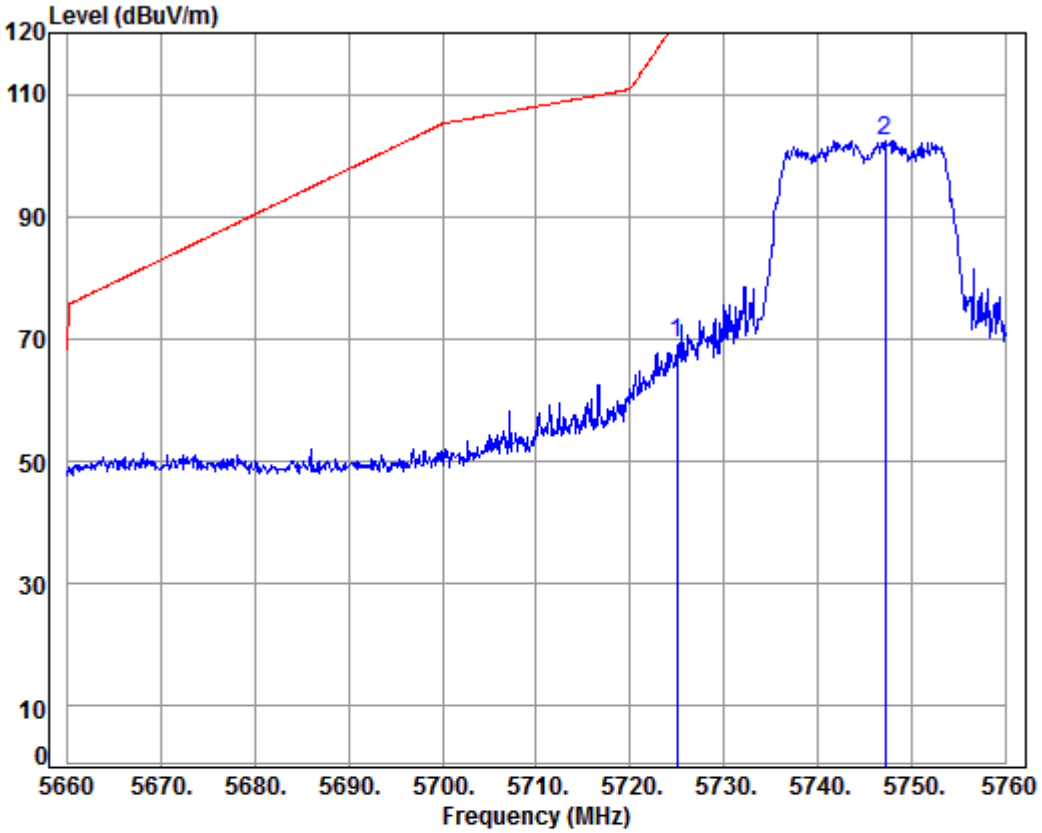
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-AC20 Antenna1

	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	5723.898	8.48	34.54	38.36	66.32	70.98	119.69	-48.71	Peak
2	5725.000	8.48	34.54	38.35	63.72	68.39	122.20	-53.81	Peak
3 pp	5747.203	8.50	34.55	38.35	98.72	103.42	125.20	-21.78	Peak

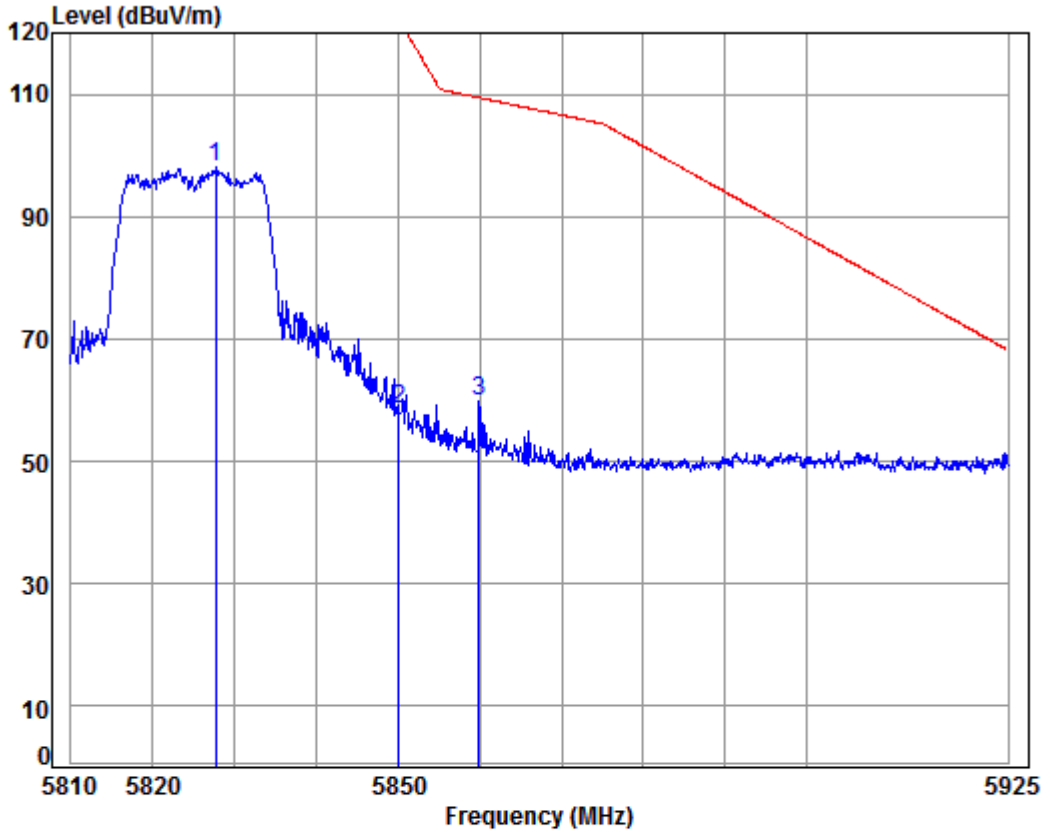
Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5745 Band edge
: 5G WIFI-AC20Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	64.75	69.42	122.20	-52.78	Peak
2 pp	5747.200	8.50	34.55	38.35	97.80	102.50	125.20	-22.70	Peak

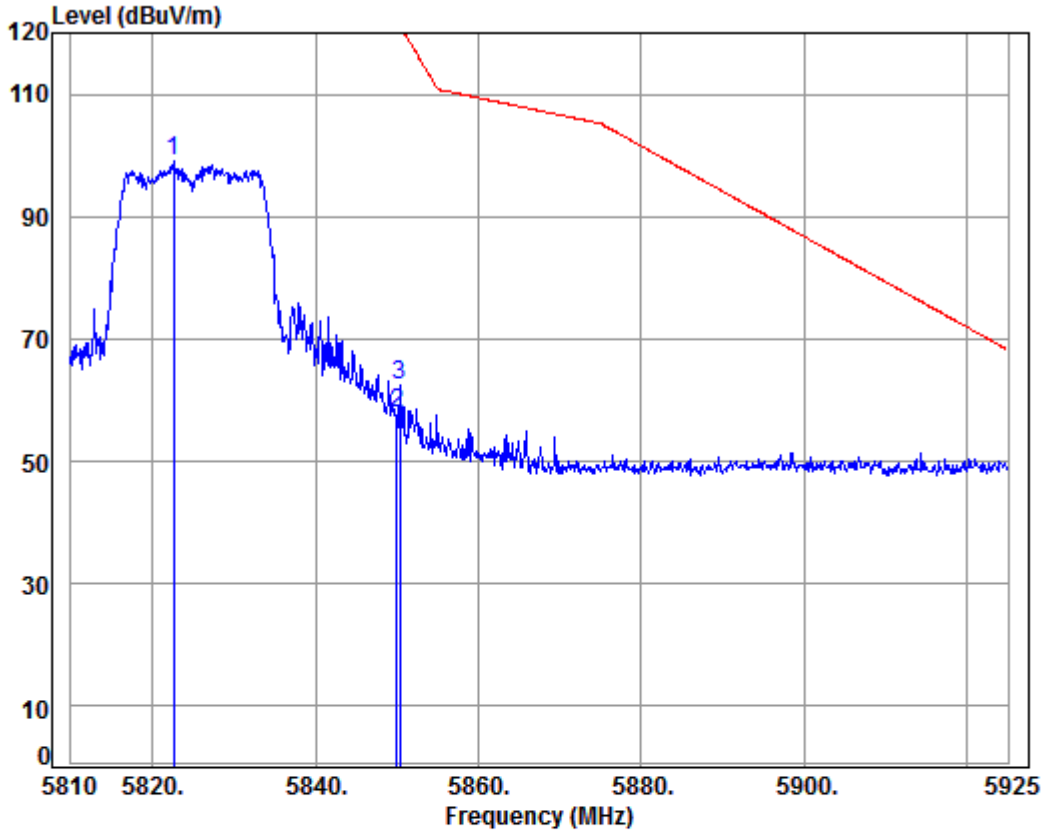
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-AC20 Antenna1

	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	5827.678	8.58	34.60	38.33	93.40	98.25	125.20	-26.95	Peak
2	5850.000	8.60	34.61	38.33	53.68	58.56	122.20	-63.64	Peak
3	5859.748	8.61	34.62	38.33	54.90	59.80	109.47	-49.67	Peak

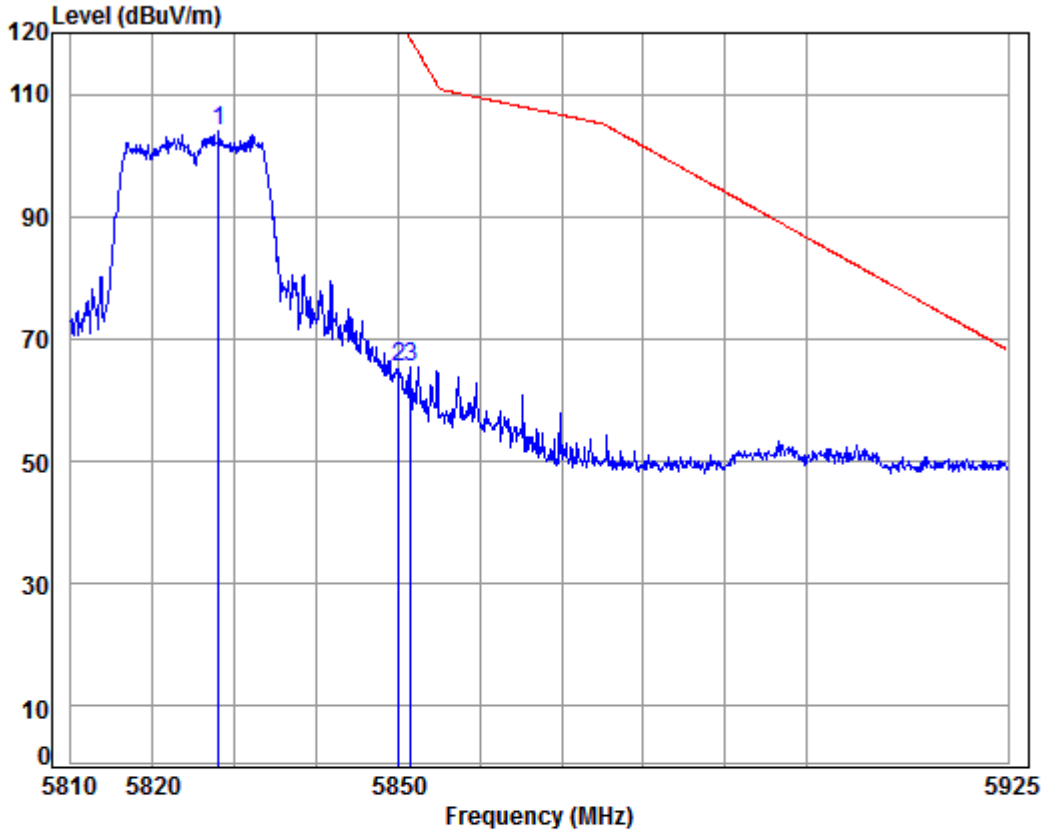
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-AC20Antenna2

	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	5822.650	8.58	34.60	38.34	94.19	99.03	125.20	-26.17	Peak
2	5850.000	8.60	34.61	38.33	53.02	57.90	122.20	-64.30	Peak
3	5850.365	8.60	34.61	38.33	57.51	62.39	121.37	-58.98	Peak

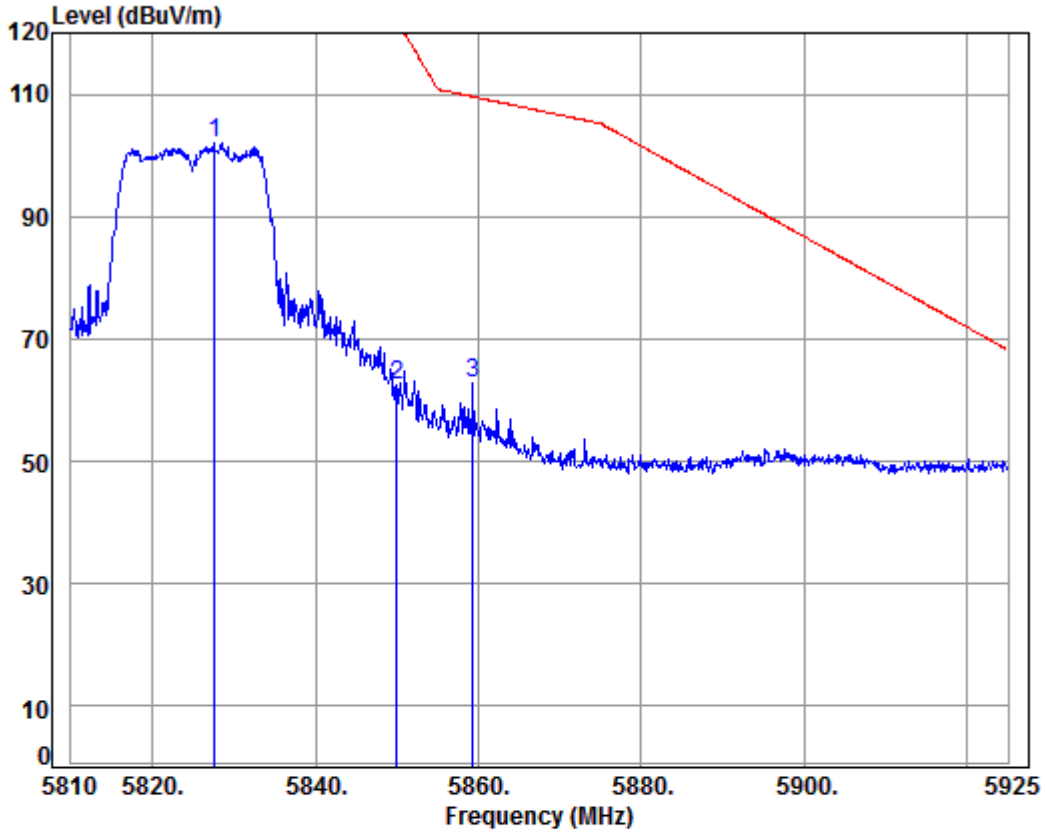
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-AC20 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5828.021	8.58	34.60	38.33	98.97	103.82	125.20	-21.38	Peak
2	5850.000	8.60	34.61	38.33	60.50	65.38	122.20	-56.82	Peak
3	5851.485	8.61	34.61	38.33	60.60	65.49	118.81	-53.32	Peak

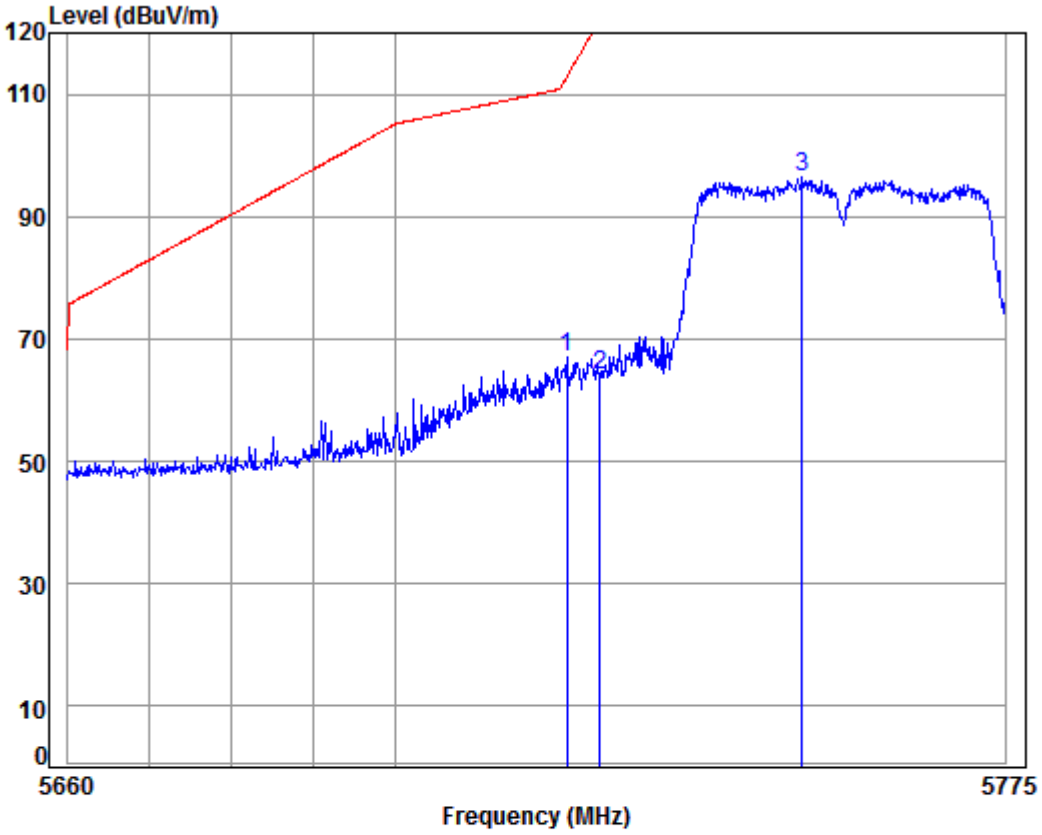
Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5825 Band edge
: 5G WIFI-AC20Antenna2

	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	5827.595	8.58	34.60	38.33	97.23	102.08	125.20	-23.12	Peak
2	5850.000	8.60	34.61	38.33	57.65	62.53	122.20	-59.67	Peak
3	5859.335	8.61	34.62	38.33	58.02	62.92	109.59	-46.67	Peak

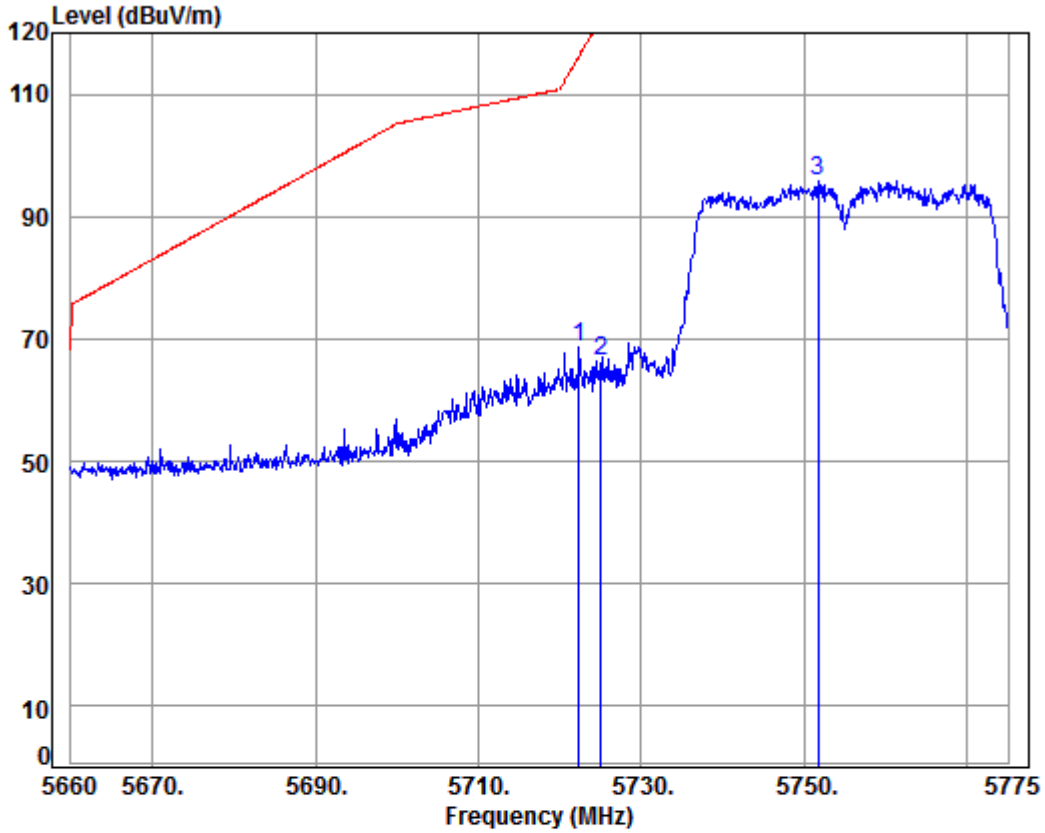
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5755 Band edge
: 5G WIFI-AC40 Antenna1

	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	5721.007	8.48	34.54	38.36	62.22	66.88	113.10	-46.22	Peak
2	5725.000	8.48	34.54	38.35	59.45	64.12	122.20	-58.08	Peak
3 pp	5749.964	8.51	34.55	38.35	91.89	96.60	125.20	-28.60	Peak

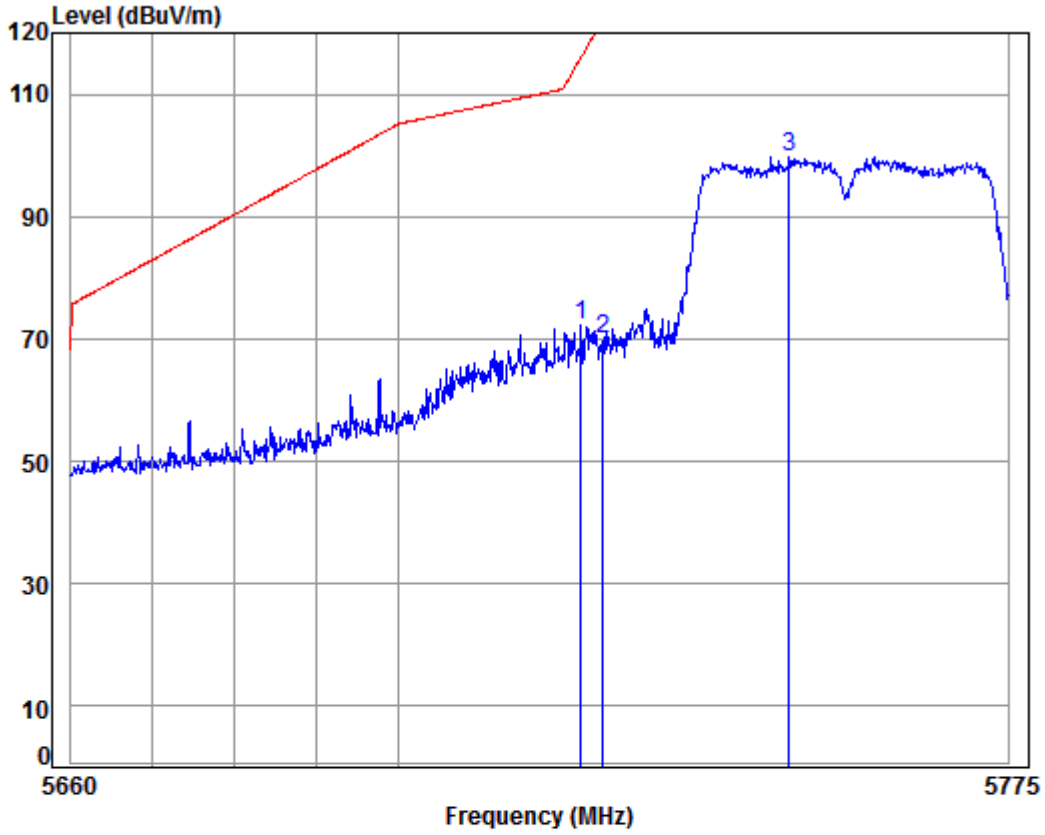
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5755 Band edge
: 5G WIFI-AC40Antenna2

	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	5722.330	8.48	34.54	38.36	63.87	68.53	116.11	-47.58	Peak
2	5725.000	8.48	34.54	38.35	61.82	66.49	122.20	-55.71	Peak
3 pp	5751.655	8.51	34.55	38.35	91.12	95.83	125.20	-29.37	Peak

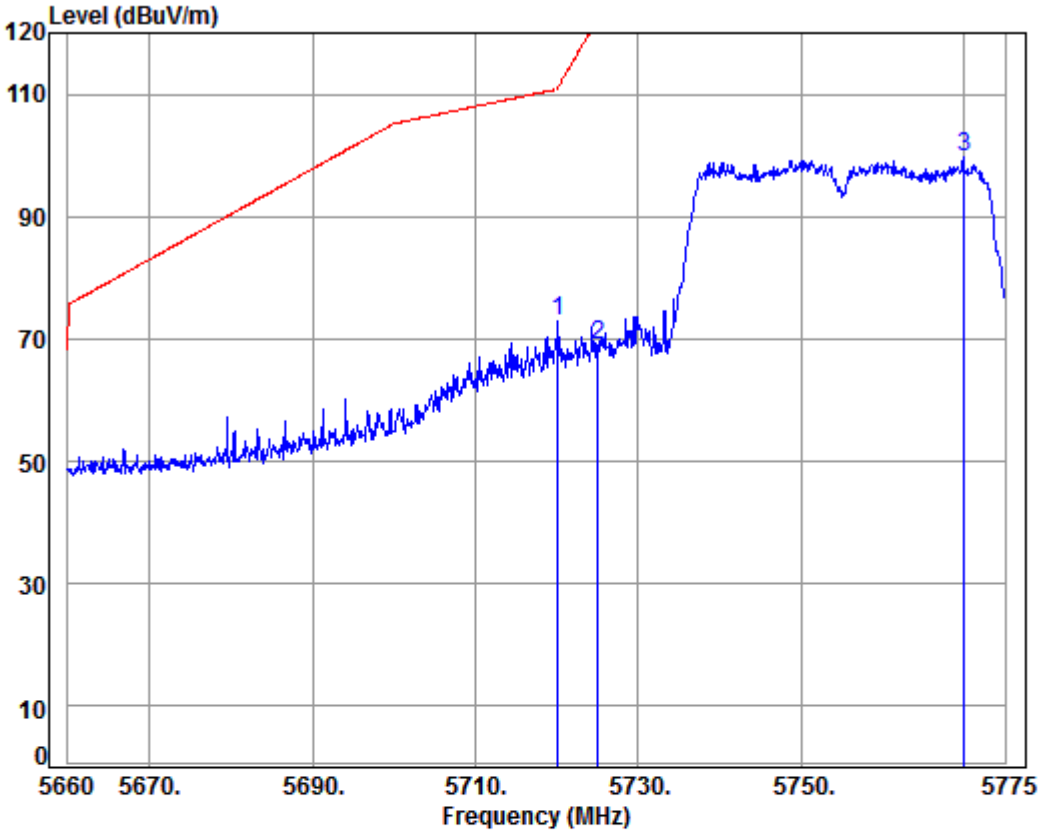
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5755 Band edge
: 5G WIFI-AC40 Antenna1

	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	5722.273	8.48	34.54	38.36	67.46	72.12	115.98	-43.86	Peak
2	5725.000	8.48	34.54	38.35	65.46	70.13	122.20	-52.07	Peak
3 pp	5747.882	8.50	34.55	38.35	95.13	99.83	125.20	-25.37	Peak

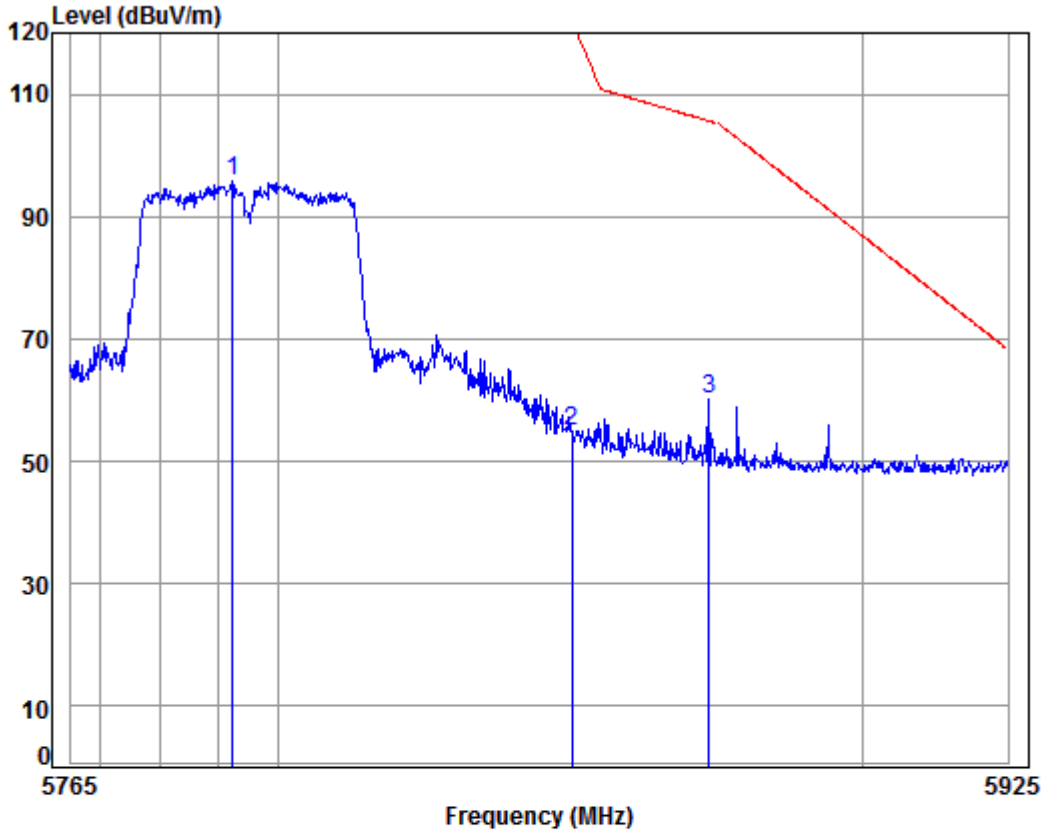
Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5755 Band edge
: 5G WIFI-AC40Antenna2

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5720.145	8.48	34.54	38.36	68.39	73.05	111.13	-38.08	Peak
2	5725.000	8.48	34.54	38.35	64.44	69.11	122.20	-53.09	Peak
3 pp	5769.940	8.53	34.57	38.35	95.01	99.76	125.20	-25.44	Peak

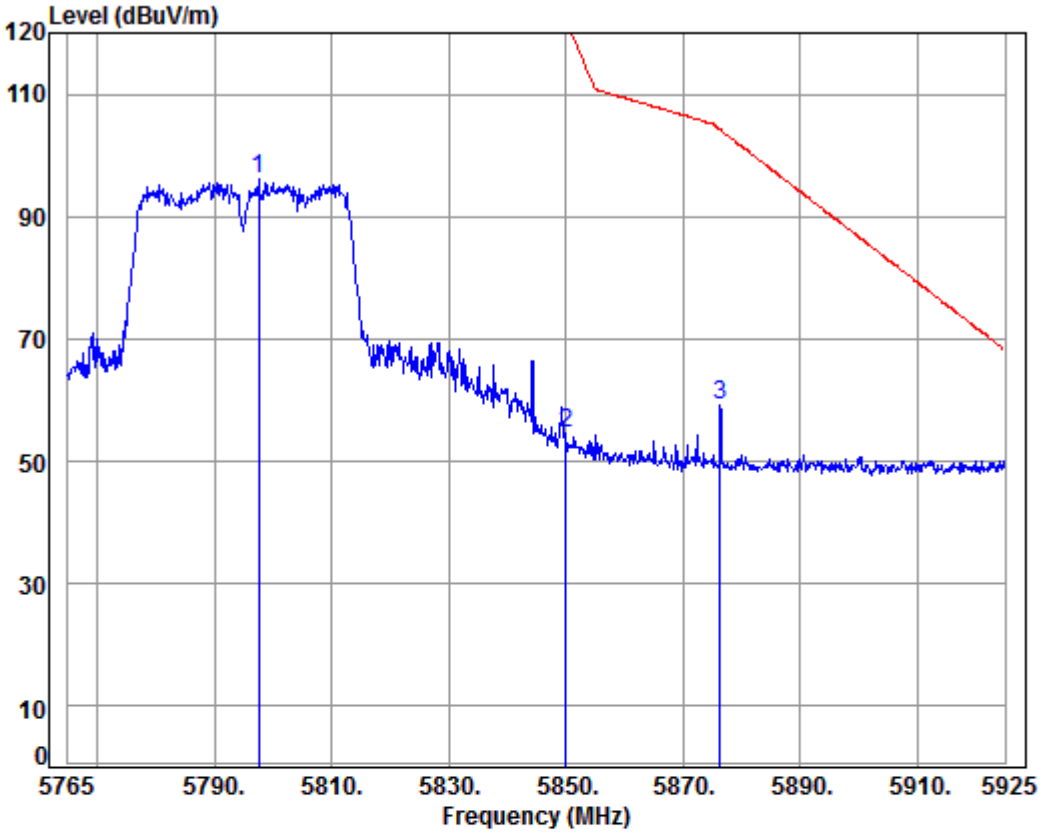
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5795 Band edge
: 5G WIFI-AC40 Antenna1

	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	5792.368	8.55	34.58	38.34	91.15	95.94	125.20	-29.26	Peak
2	5850.000	8.60	34.61	38.33	49.93	54.81	122.20	-67.39	Peak
3	5873.483	8.63	34.63	38.33	55.20	60.13	105.62	-45.49	Peak

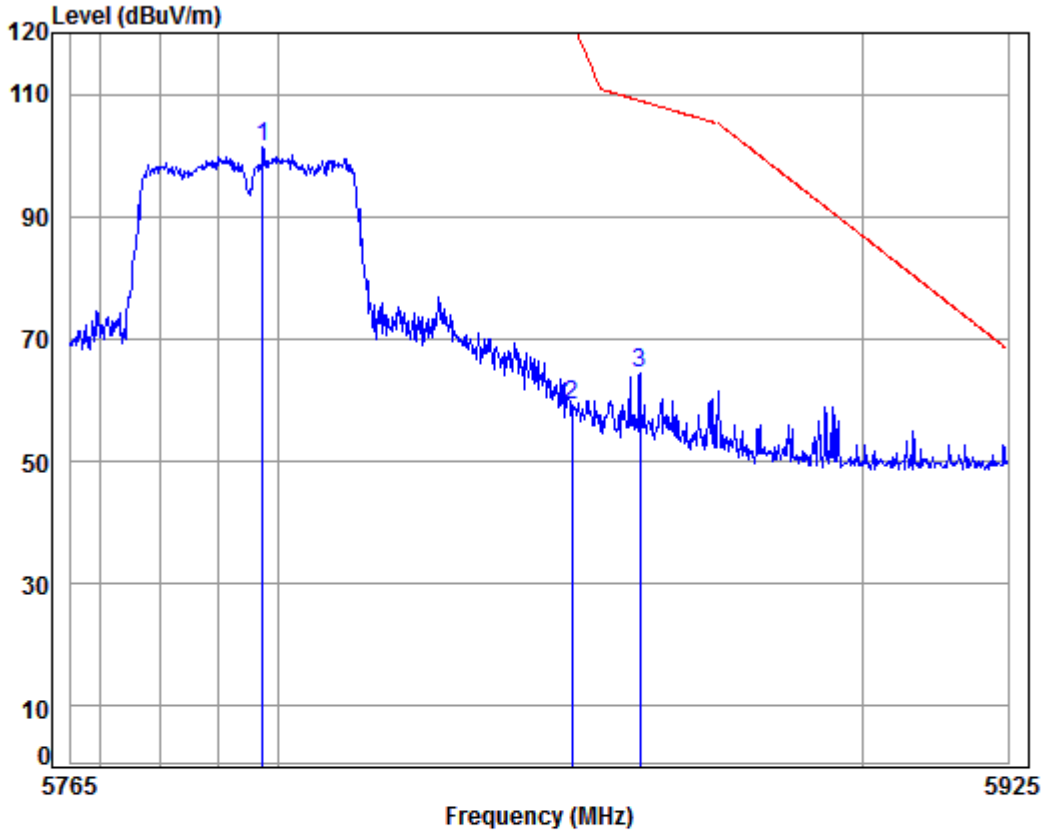
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5795 Band edge
: 5G WIFI-AC40Antenna2

	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	5797.640	8.55	34.58	38.34	91.37	96.16	125.20	-29.04	Peak
2	5850.000	8.60	34.61	38.33	49.65	54.53	122.20	-67.67	Peak
3	5876.360	8.63	34.63	38.32	54.13	59.07	104.19	-45.12	Peak

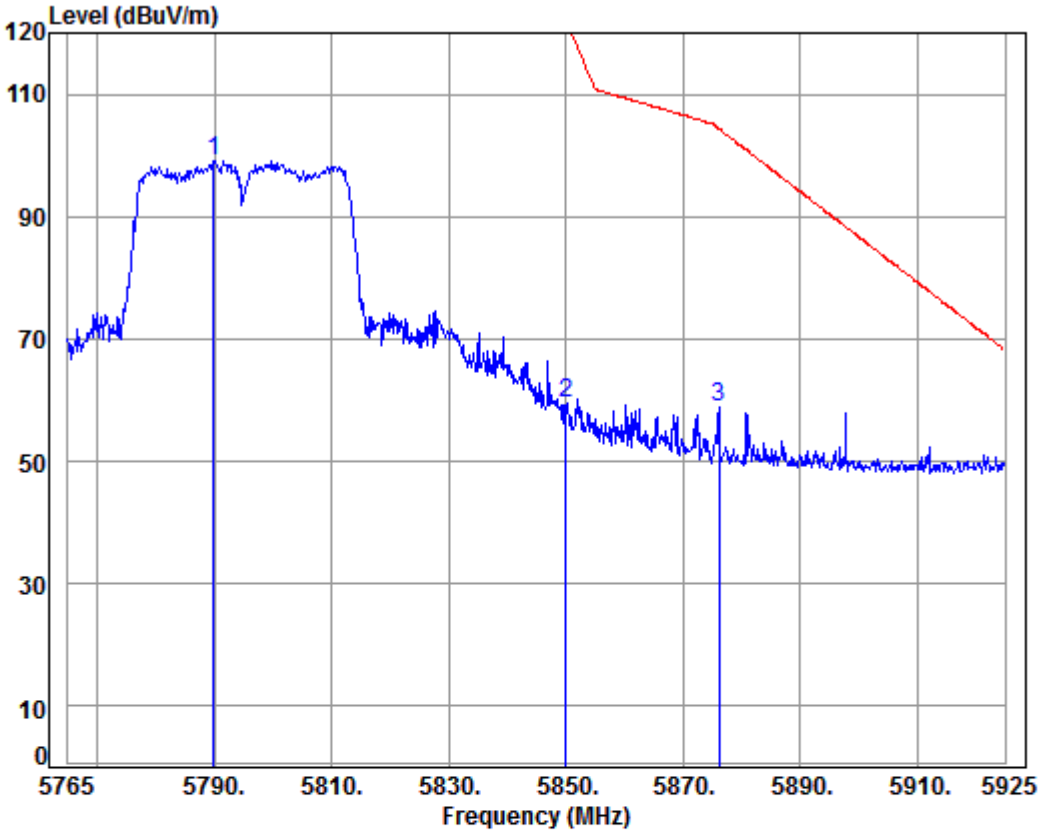
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5795 Band edge
: 5G WIFI-AC40 Antenna1

	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	5797.444	8.55	34.58	38.34	96.41	101.20	125.20	-24.00	Peak
2	5850.000	8.60	34.61	38.33	54.35	59.23	122.20	-62.97	Peak
3	5861.597	8.62	34.62	38.33	59.53	64.44	108.95	-44.51	Peak

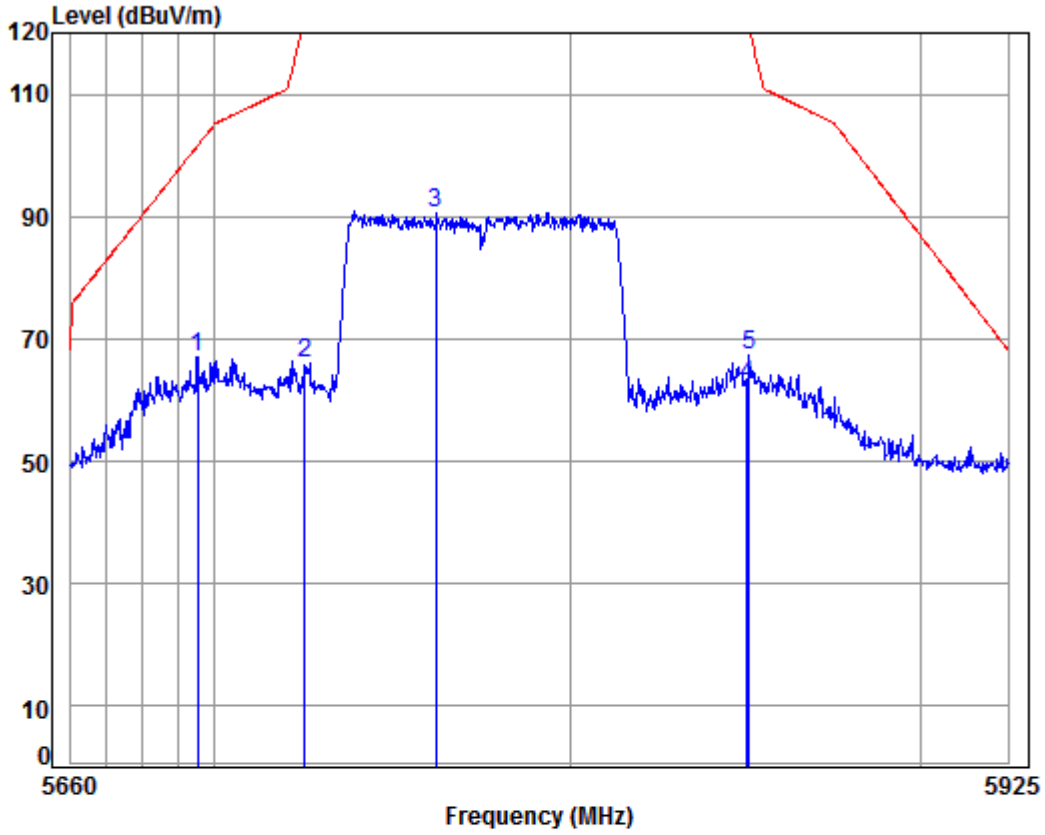
Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5795 Band edge
: 5G WIFI-AC40Antenna2

	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	5789.960	8.55	34.58	38.34	94.42	99.21	125.20	-25.99	Peak
2	5850.000	8.60	34.61	38.33	54.73	59.61	125.20	-65.59	Peak
3	5876.200	8.63	34.63	38.32	53.94	58.88	104.31	-45.43	Peak

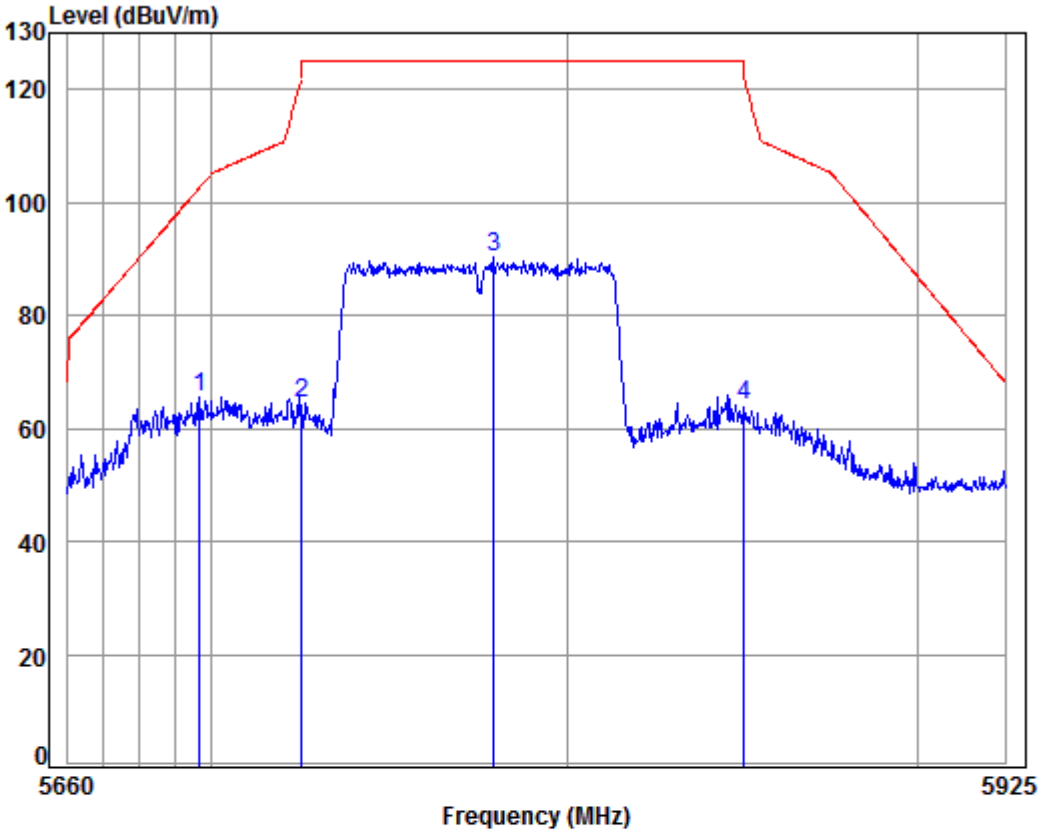
Antenna 1:Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5775 Band edge
: 5G WIFI-AC80 Antenna1

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5695.071	8.45	34.52	38.36	62.58	67.19	101.55	-34.36	Peak
2	5725.000	8.48	34.54	38.35	61.33	66.00	125.20	-59.20	Peak
3	5761.910	8.52	34.56	38.35	85.85	90.58	125.20	-34.62	Peak
4	5850.000	8.60	34.61	38.33	57.67	62.55	121.95	-59.40	Peak
5	5850.645	8.61	34.61	38.33	62.61	67.50	120.73	-53.23	Peak

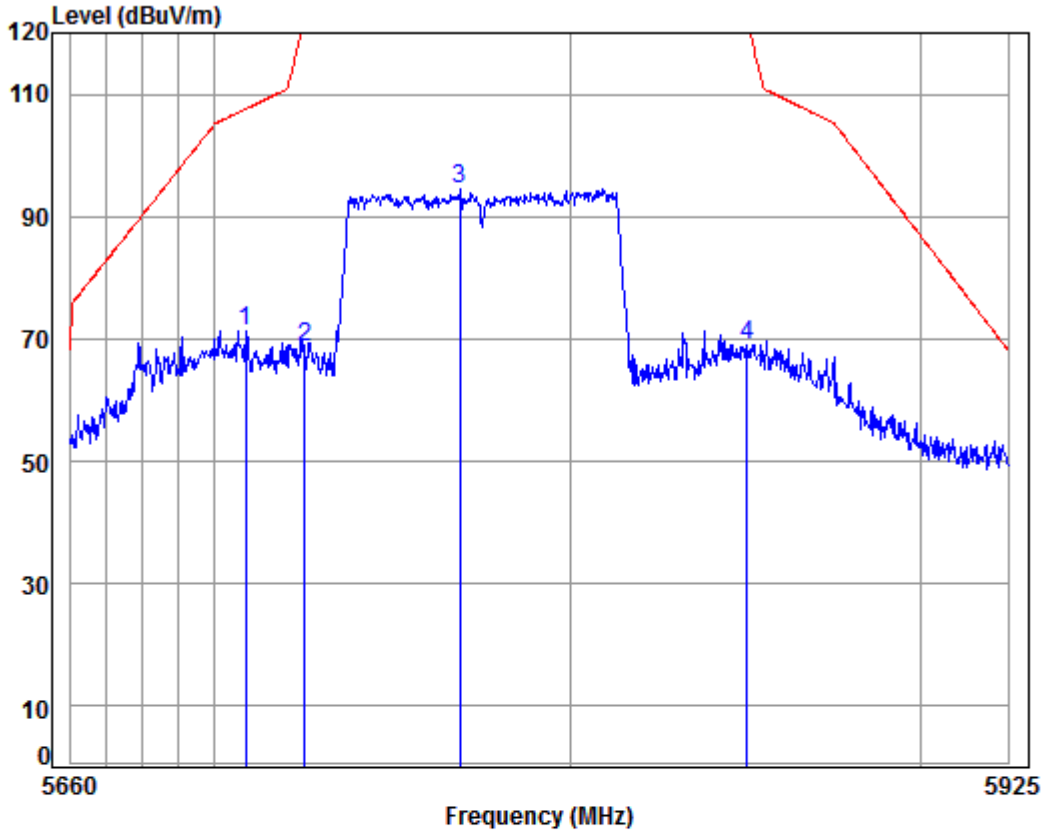
Antenna 2:Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Horizontal
Job No: : 02008CR
Mode: : 5775 Band edge
: 5G WIFI-AC80Antenna2

	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	5696.635	8.45	34.52	38.36	60.96	65.57	102.71	-37.14	Peak
2	5725.000	8.48	34.54	38.35	59.81	64.48	122.20	-57.72	Peak
3 pp	5779.073	8.53	34.57	38.34	85.58	90.34	125.20	-34.86	Peak
4	5850.000	8.60	34.61	38.33	59.14	64.02	122.20	-58.18	Peak

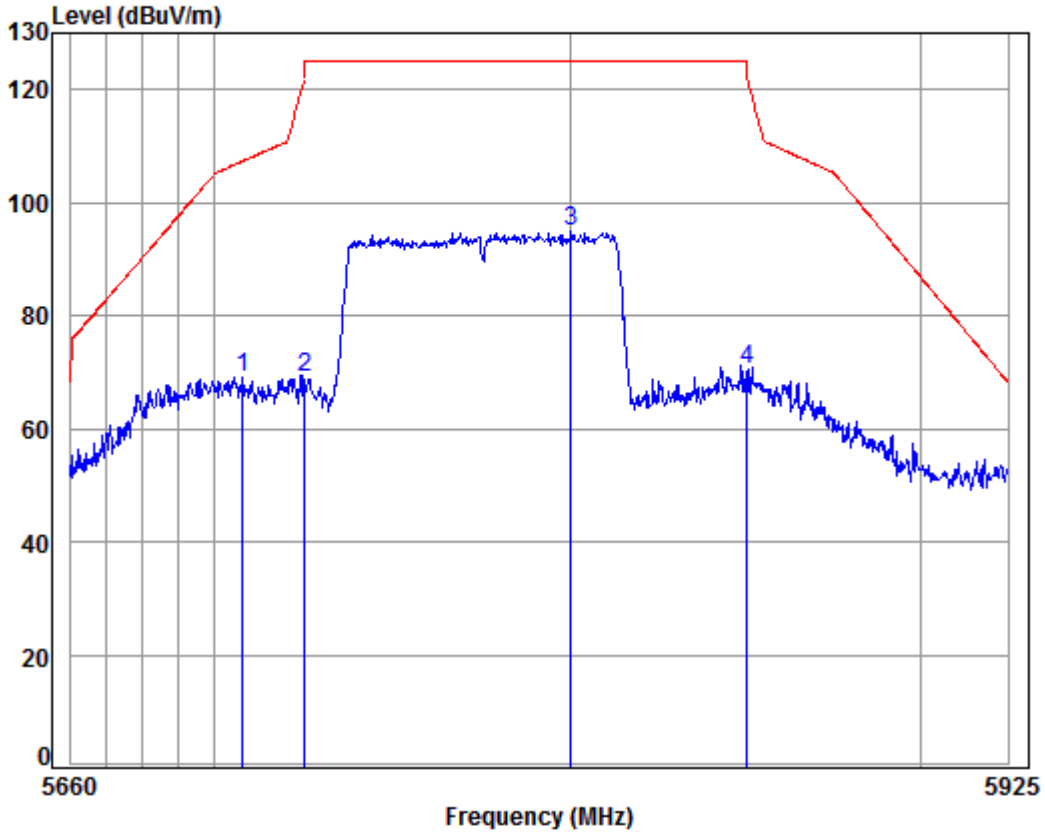
Antenna 1:Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5775 Band edge
: 5G WIFI-AC80 Antenna1

	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	5708.638	8.46	34.53	38.36	66.69	71.32	107.62	-36.30	Peak
2	5725.000	8.48	34.54	38.35	63.99	68.66	122.20	-53.54	Peak
3 pp	5768.505	8.52	34.56	38.35	89.61	94.34	125.20	-30.86	Peak
4	5850.000	8.60	34.61	38.33	64.12	69.00	122.20	-53.20	Peak

Antenna 2:Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m Vertical
Job No: : 02008CR
Mode: : 5775 Band edge
: 5G WIFI-AC80Antenna2

	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	5707.593	8.46	34.53	38.36	64.56	69.19	107.33	-38.14	Peak
2	5725.000	8.48	34.54	38.35	64.24	68.91	122.20	-53.29	Peak
3 pp	5800.000	8.56	34.58	38.34	90.05	94.85	125.20	-30.35	Peak
4	5850.000	8.60	34.61	38.33	65.59	70.47	122.20	-51.73	Peak

7.7 Frequency Stability

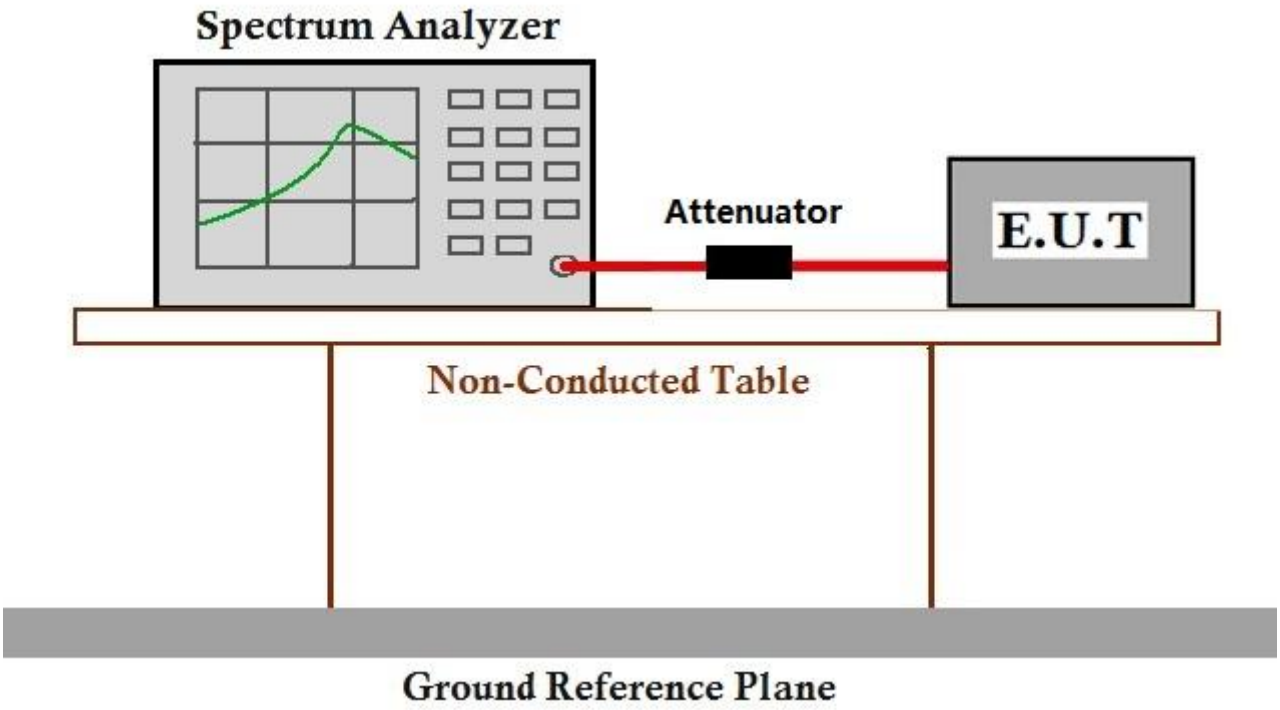
Test Requirement	47 CFR Part 15, Subpart E 15.407 (g)
Test Method:	ANSI C63.10 (2013) Section 6.8
Limit:	The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

7.7.1 E.U.T. Operation

Operating Environment:

Temperature:	23.0 °C Humidity: 56 % RH Atmospheric Pressure: 1015 mbar
Pretest these mode to find the worst case:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4.
The worst case for final test:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4. 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.

7.7.2 Test Setup Diagram



7.7.3 Measurement Data

The detailed test data see: Appendix 15.407

7.8 DFS: Non-occupancy period

Test Requirement	KDB 905462 D02 Section 5.1
Test Method:	KDB 905462 D02 Section 7.8.3
Limit:	Minimum 30 minutes

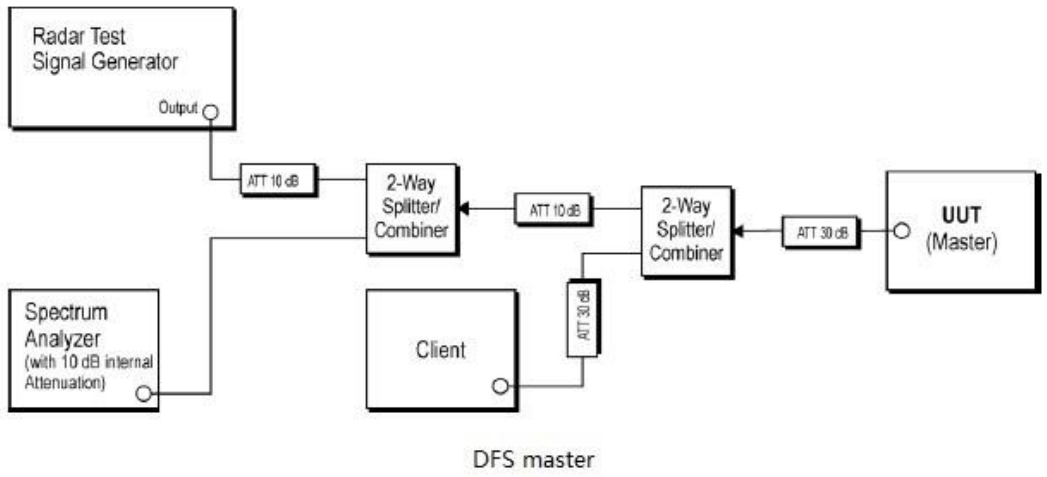
7.8.1 E.U.T. Operation

Operating Environment:

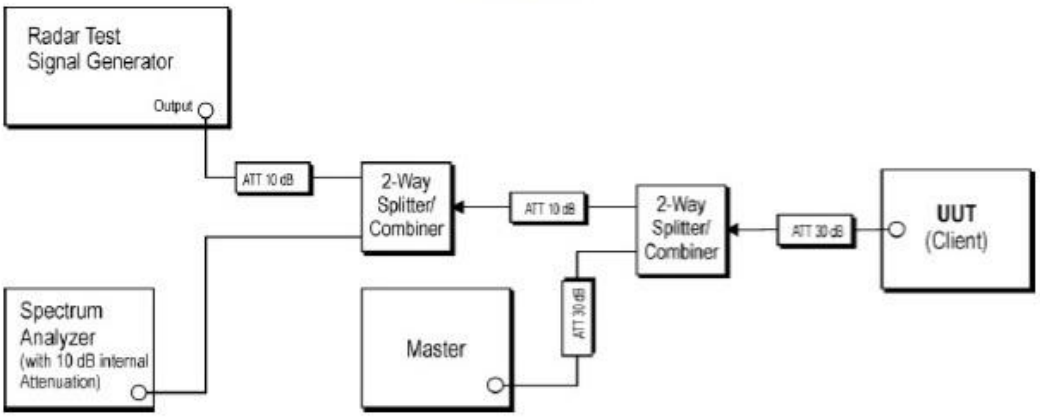
Temperature:	25.0 °C	Humidity:	52 % RH	Atmospheric Pressure:	1015 mbar

Pretest these mode to find the worst case:	e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3.
The worst case for final test:	e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3.

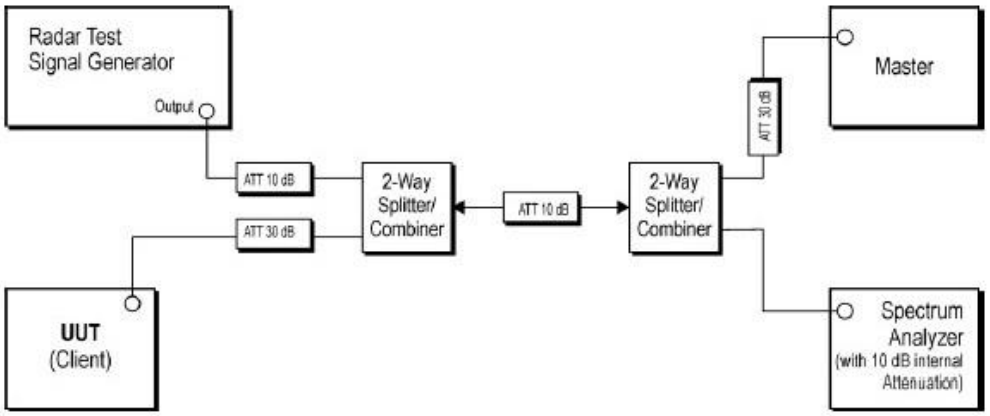
7.8.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection

7.8.3 Measurement Data

1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

The detailed test data see: Appendix 15.407

7.9 DFS: Channel Move Time

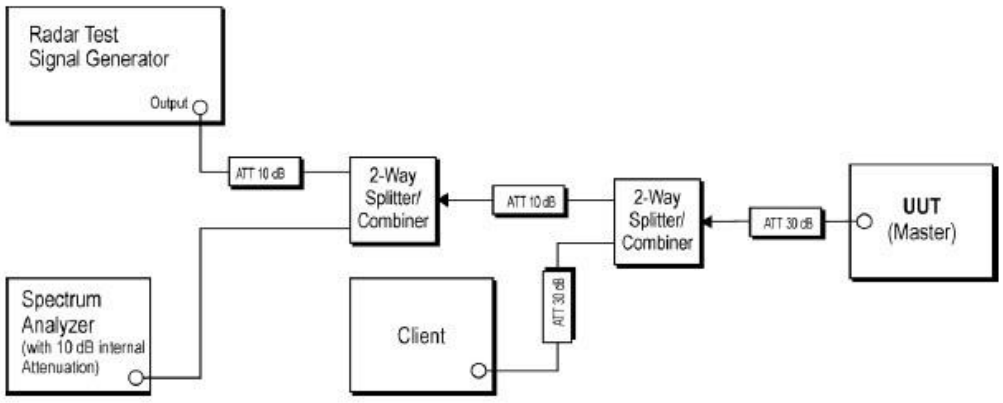
Test Requirement	KDB 905462 D02 Section 5.1
Test Method:	KDB 905462 D02 Section 7.8.3
Limit:	10 seconds(should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst)

7.9.1 E.U.T. Operation

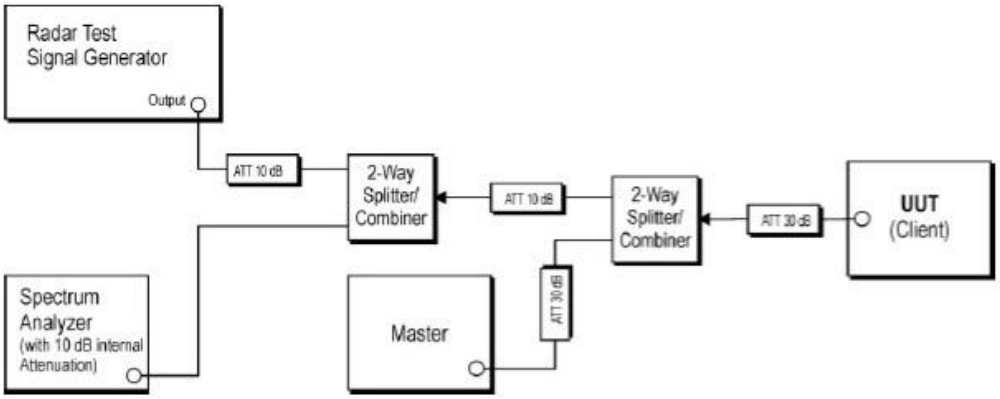
Operating Environment:

Temperature:	25 °C Humidity: 52 % RH Atmospheric Pressure: 1015 mbar
Pretest these mode to find the worst case:	e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3.
The worst case for final test:	e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3.

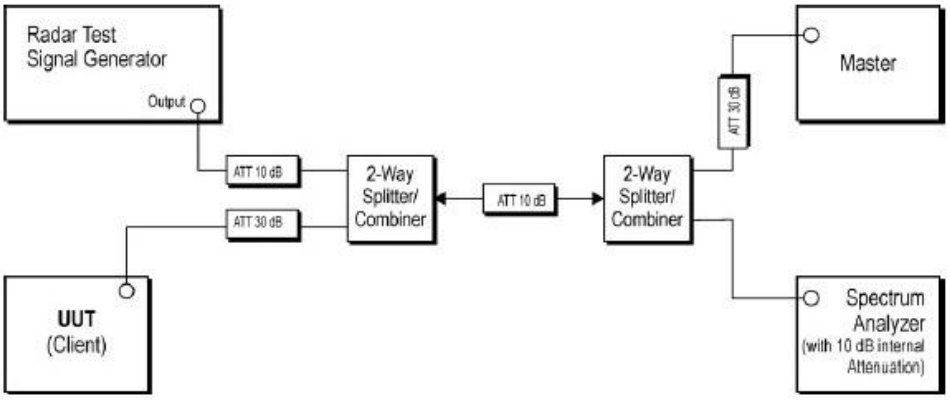
7.9.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection

7.9.3 Measurement Data

1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

The detailed test data see: Appendix 15.407

7.10 DFS: Channel Closing Transmission Time

Test Requirement	KDB 905462 D02 Section 5.1
Test Method:	KDB 905462 D02 Section 7.8.3
Limit:	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period(should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. It is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions)

7.10.1E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 52 % RH Atmospheric Pressure: 1015 mbar

Pretest these mode to find the worst case:

e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2.

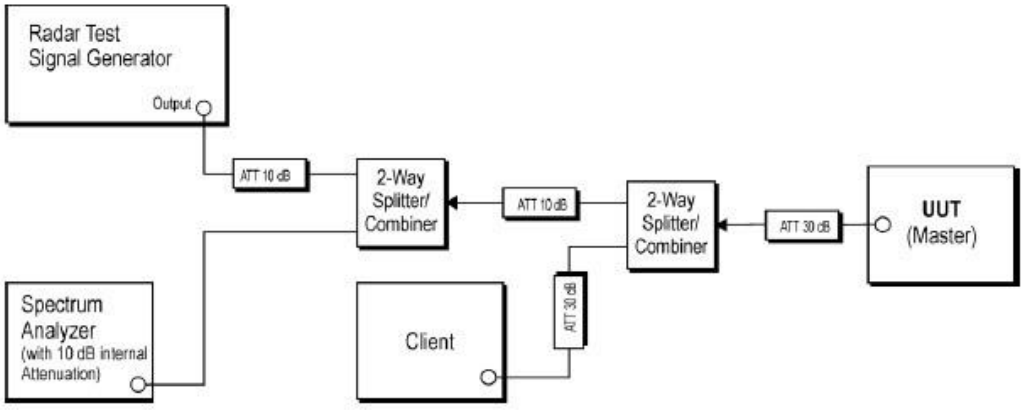
f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3.

The worst case for final test:

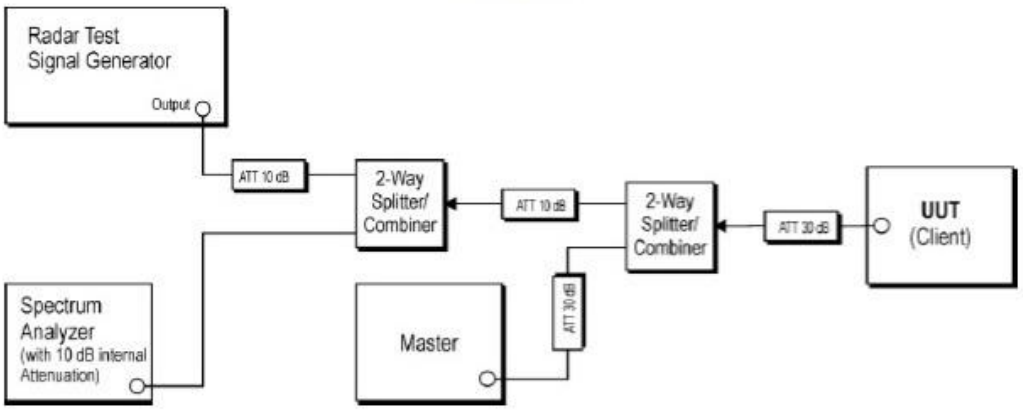
e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2.

f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3.

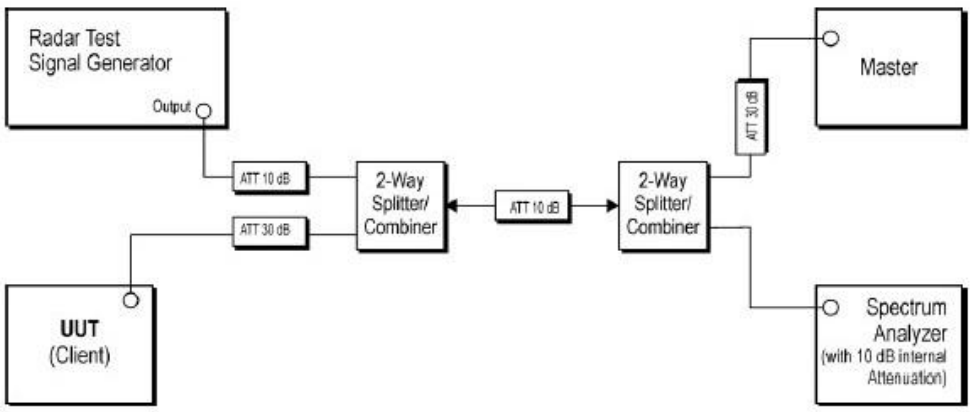
7.10.2Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection

7.10.3Measurement Data

1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

The detailed test data see: Appendix 15.407

7.11 Radiated Emissions

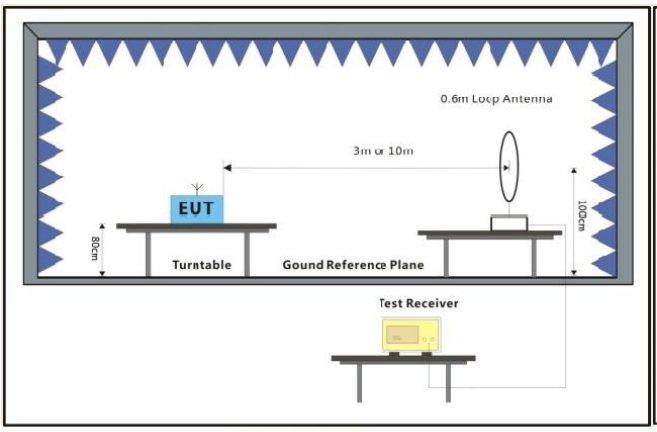
Test Requirement	47 CFR Part 15, Subpart C 15.209 & 15.407(b)
Test Method:	KDB 789033 D02 II G
Measurement Distance:	3m

7.11.1E.U.T. Operation

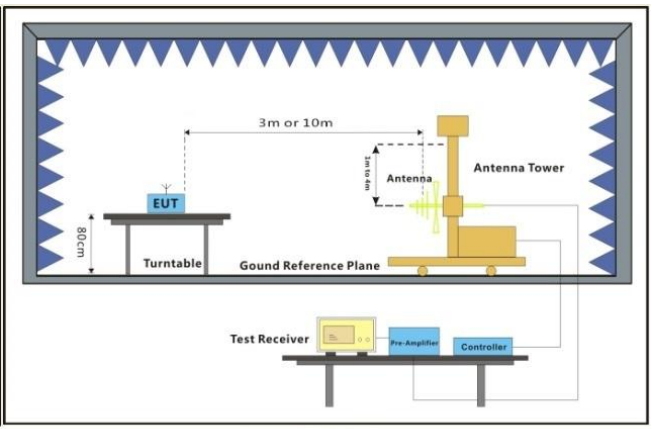
Operating Environment:

Temperature:	25.0 °C Humidity: 50 % RH Atmospheric Pressure: 1015 mbar
Pretest these mode to find the worst case:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4.
The worst case for final test:	d:TX mode (5G Band 1)_Keep the EUT in continously transmitting mode with modulation on Band 1. e:TX mode (5G Band 2)_Keep the EUT in continously transmitting mode with modulation on Band 2. f: TX mode (5G Band 3)_Keep the EUT in continously transmitting mode with modulation on Band 3. g: TX mode (5G Band 4)_Keep the EUT in continously transmitting mode with modulation on Band 4. 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); 1SS0 of rate is the worst case of 802.11ac(HT20); 1SS0 of rate is the worst case of 802.11ac(HT40); 1SS0 of rate is the worst case of 802.11ac(HT80) For below 1GHz, after Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case for 5G WIFI.

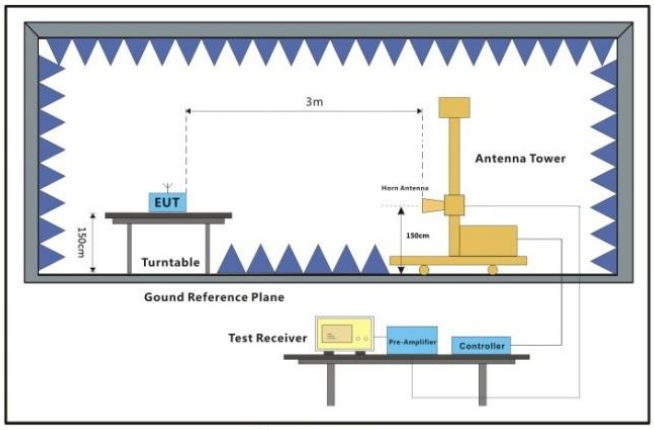
7.11.2Test Setup Diagram



Below 30MHz



30MHz-1GHz



Above 1GHz

7.11.3Measurement Data

a. For below 1GHz, 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 chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) 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.

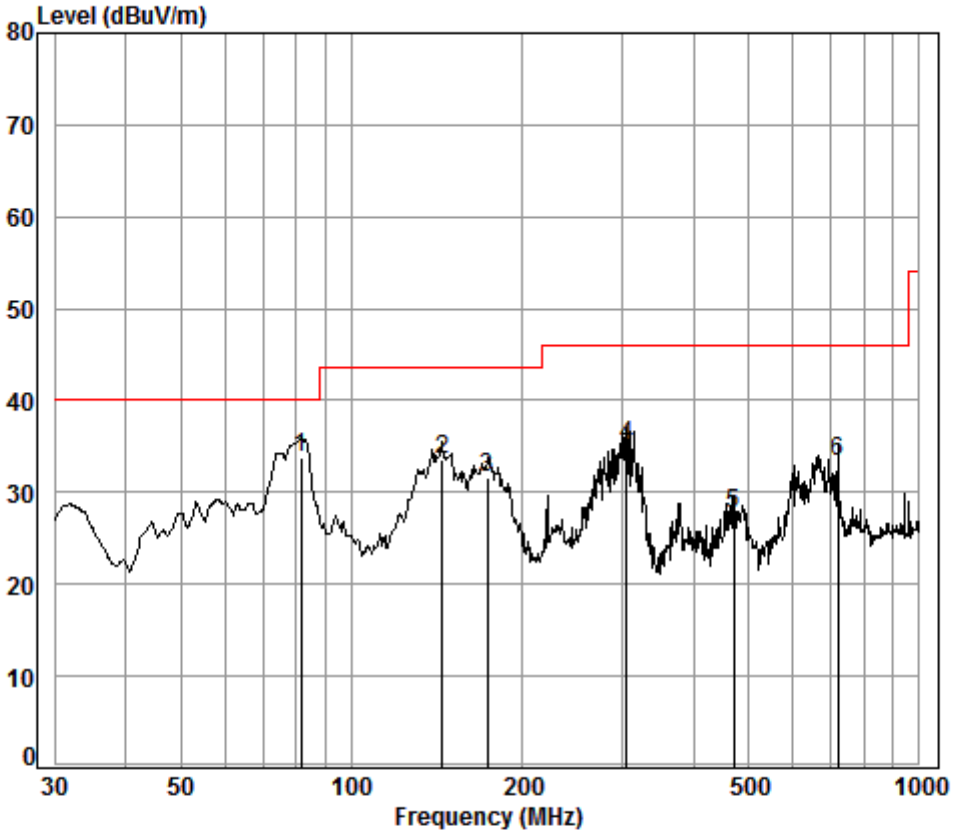
g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel,the middle channel,the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

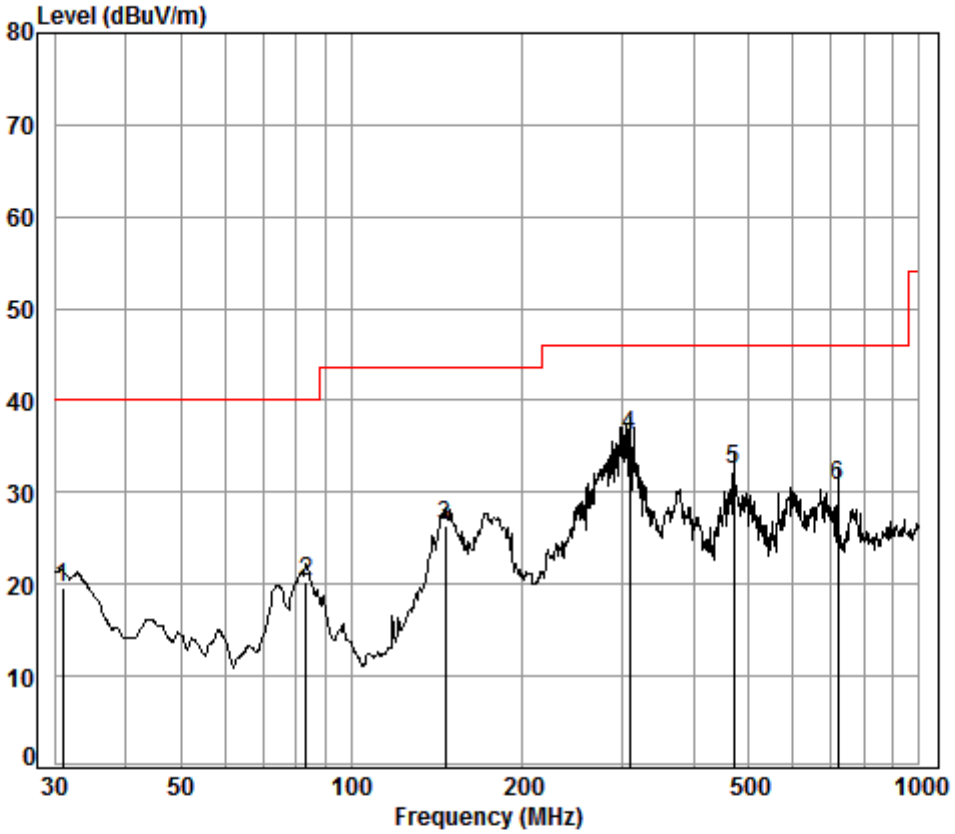
Radiated Emission below 1GHz		
30MHz~1GHz (QP)		
Test mode:	d	Vertical



Condition: 3m VERTICAL
Job No. : 02008CR
Test Mode: TX mode
: WIFI 5G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	81.50	1.10	7.85	27.23	52.18	33.90	40.00	-6.10
2	144.33	1.31	8.49	26.94	50.74	33.60	43.50	-9.90
3	173.81	1.36	9.65	26.80	47.49	31.70	43.50	-11.80
4	305.68	1.92	14.10	26.44	45.57	35.15	46.00	-10.85
5	472.18	2.50	17.70	27.56	35.11	27.75	46.00	-18.25
6	719.20	2.96	21.60	27.39	36.16	33.33	46.00	-12.67

Test mode:	d	Horizontal



Condition: 3m HORIZONTAL
Job No. : 02008CR
Test Mode: TX mode
: WIFI 5G

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.96	0.60	18.16	27.35	28.14	19.55	40.00	-20.45
2	83.23	1.10	8.02	27.22	38.35	20.25	40.00	-19.75
3	146.37	1.31	8.67	26.93	43.30	26.35	43.50	-17.15
4 pp	308.91	1.93	14.22	26.46	46.40	36.09	46.00	-9.91
5	472.18	2.50	17.70	27.56	39.76	32.40	46.00	-13.60
6	719.20	2.96	21.60	27.39	33.58	30.75	46.00	-15.25

Antenna 1: Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
7678.832	36.41	10.89	37.71	41.13	50.72	74	-23.28
9007.715	36.61	11.80	37.30	39.44	50.55	74	-23.45
10360.000	37.24	12.98	36.99	35.20	48.43	74	-25.57
12775.540	38.84	14.93	39.08	36.96	51.65	74	-22.35
15540.000	41.38	17.07	39.95	33.92	52.42	74	-21.58
17629.850	43.64	20.87	37.63	26.30	53.18	74	-20.82

Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
8839.163	36.41	11.81	37.32	40.44	51.34	74	-22.66
10360.000	37.24	12.98	36.99	38.43	51.66	74	-22.34
12117.400	38.67	14.46	38.42	36.88	51.59	74	-22.41
14014.460	39.24	16.25	40.50	37.35	52.34	74	-21.66
15540.000	41.38	17.07	39.95	34.03	52.53	74	-21.47
17746.790	43.85	21.26	37.52	25.74	53.33	74	-20.67

Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
7093.172	36.46	10.64	38.30	42.28	51.08	74	-22.92
9007.715	36.61	11.80	37.30	39.84	50.95	74	-23.05
10360.000	37.24	12.98	36.99	36.42	49.65	74	-24.35
13217.380	38.71	15.61	39.57	35.55	50.30	74	-23.70
15540.000	41.38	17.07	39.95	33.34	51.84	74	-22.16
17830.800	44.00	21.55	37.45	24.82	52.92	74	-21.08

Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:Low

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
8519.504	36.02	11.85	37.35	40.48	51.00	74	-23.00
10360.000	37.24	12.98	36.99	38.40	51.63	74	-22.37
11701.270	38.30	14.24	38.01	37.20	51.73	74	-22.27
13444.000	38.62	15.67	39.84	37.96	52.41	74	-21.59
15540.000	41.38	17.07	39.95	35.03	53.53	74	-20.47
17629.850	43.64	20.87	37.63	27.00	53.88	74	-20.12

Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:middle

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
7678.832	36.41	10.89	37.71	41.23	50.82	74	-23.18
10440.000	37.16	13.04	37.03	34.23	47.40	74	-26.60
11756.660	38.36	14.30	38.06	37.17	51.77	74	-22.23
13778.220	38.94	16.00	40.24	37.57	52.27	74	-21.73
15660.000	41.34	17.18	39.83	33.96	52.65	74	-21.35
17830.800	44.00	21.55	37.45	25.52	53.62	74	-20.38

Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:middle

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
7722.469	36.44	10.91	37.66	40.67	50.36	74	-23.64
8956.814	36.55	11.80	37.30	40.22	51.27	74	-22.73
10440.000	37.16	13.04	37.03	38.51	51.68	74	-22.32
12823.890	38.83	15.06	39.13	37.61	52.37	74	-21.63
15660.000	41.34	17.18	39.83	34.37	53.06	74	-20.94
17679.880	43.73	21.04	37.58	26.05	53.24	74	-20.76

Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:middle

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
7079.786	36.47	10.63	38.32	41.68	50.46	74	-23.54
8344.312	36.18	11.61	37.36	41.52	51.95	74	-22.05
10440.000	37.16	13.04	37.03	33.25	46.42	74	-27.58
12775.540	38.84	14.93	39.08	35.69	50.38	74	-23.62
15660.000	41.34	17.18	39.83	34.00	52.69	74	-21.31
17464.130	43.36	20.30	37.78	26.97	52.85	74	-21.15

Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:middle

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
8360.088	36.16	11.63	37.36	38.89	49.32	74	-24.68
10440.000	37.16	13.04	37.03	37.51	50.68	74	-23.32
12083.110	38.65	14.49	38.39	36.56	51.31	74	-22.69
13922.110	39.11	16.16	40.41	37.28	52.14	74	-21.86
15660.000	41.34	17.18	39.83	34.43	53.12	74	-20.88
17881.390	44.09	21.72	37.40	25.04	53.45	74	-20.55

Antenna 1:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
7678.832	36.41	10.89	37.71	39.93	49.52	74	-24.48
9678.051	37.54	12.54	36.96	39.68	52.80	74	-21.20
10480.000	37.12	13.07	37.05	33.66	46.80	74	-27.20
13242.370	38.70	15.61	39.60	35.33	50.04	74	-23.96
15720.000	41.31	17.24	39.77	33.76	52.54	74	-21.46
17464.130	43.36	20.30	37.78	27.51	53.39	74	-20.61

Antenna 2:Mode:d; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
7825.257	36.50	10.97	37.57	40.44	50.34	74	-23.66
8990.716	36.59	11.79	37.30	39.07	50.15	74	-23.85
10480.000	37.12	13.07	37.05	38.86	52.00	74	-22.00
13584.400	38.70	15.78	40.01	37.25	51.72	74	-22.28
15720.000	41.31	17.24	39.77	33.78	52.56	74	-21.44
17830.800	44.00	21.55	37.45	25.08	53.18	74	-20.82

Antenna 1:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:High

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
7160.481	36.43	10.66	38.23	39.51	48.37	74	-25.63
9007.715	36.61	11.80	37.30	38.12	49.23	74	-24.77
10480.000	37.12	13.07	37.05	33.29	46.43	74	-27.57
12775.540	38.84	14.93	39.08	35.86	50.55	74	-23.45
15720.000	41.31	17.24	39.77	32.83	51.61	74	-22.39
17530.230	43.46	20.52	37.72	27.14	53.40	74	-20.60

Antenna 2:Mode:d; Polarization:Vertical; Modulation Type:802.11n; bandwidth:20MHz; Channel:High

Frequency (MHz)	Antenna factors (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading Level (dBV)	Level (dBV/m)	Limit (dBV/m)	Over limit (dB)
8567.920	36.08	11.84	37.34	40.61	51.19	74	-22.81
10480.000	37.12	13.07	37.05	38.86	52.00	74	-22.00
11946.940	38.55	14.50	38.25	36.53	51.33	74	-22.67
13791.240	38.95	16.01	40.26	37.55	52.25	74	-21.75
15720.000	41.31	17.24	39.77	33.55	52.33	74	-21.67
17679.880	43.73	21.04	37.58	25.92	53.11	74	-20.89