

#### 7.4 Radiated Emissions which fall in the restricted bands

Test Requirement	47 CFR Part 15, Subpart C 15.209 & 15.407(b)
Test Method:	KDB 789033 D02 II G
Measurement Distance:	3m
Limit:	
For transmitters operating in the 5.15-5.25 GHz band:	All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).
For transmitters operating in the 5.25-5.35 GHz band:	All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).
For transmitters operating in the 5.47-5.725 GHz band:	All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).
For transmitters operating in the 5.725-5.85 GHz band:	(i) All emissions shall be limited to a level of -27 dBm/MHz (68.2dBuV/m) at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz (105.2dBuV/m) at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz (110.8dBuV/m) at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz (122.2dBuV/m) at the band edge.

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.

##### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.3 °C Humidity: 52.2 % RH Atmospheric Pressure: 1010 mbar

##### 7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	20	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @



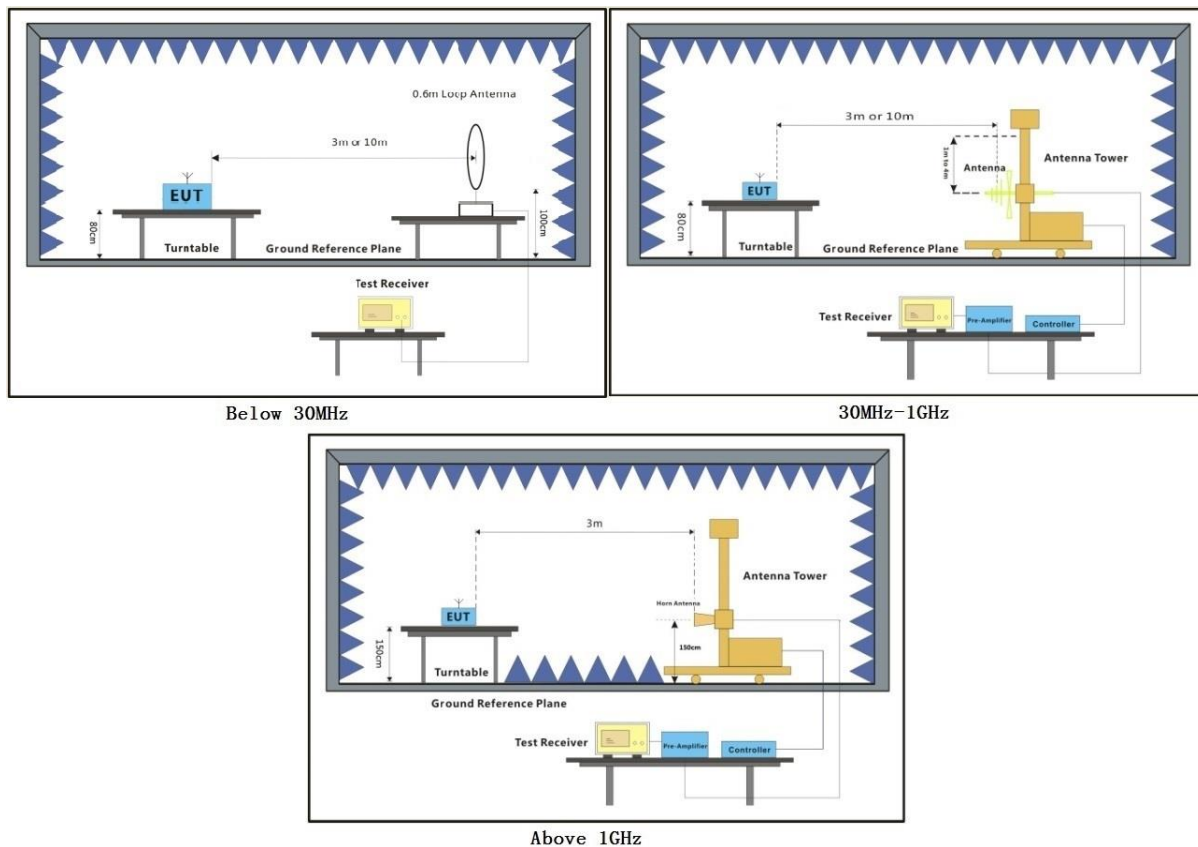
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

		HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report.
Final test	21	Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report.
Pre-scan	22	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report.
Final test	23	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report.
Pre-scan	24	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report.
Final test	25	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report.



		rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report.
Pre-scan	26	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report.
Final test	27	Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report.

### 7.4.3 Test Setup Diagram





#### 7.4.4 Measurement Procedure and Data

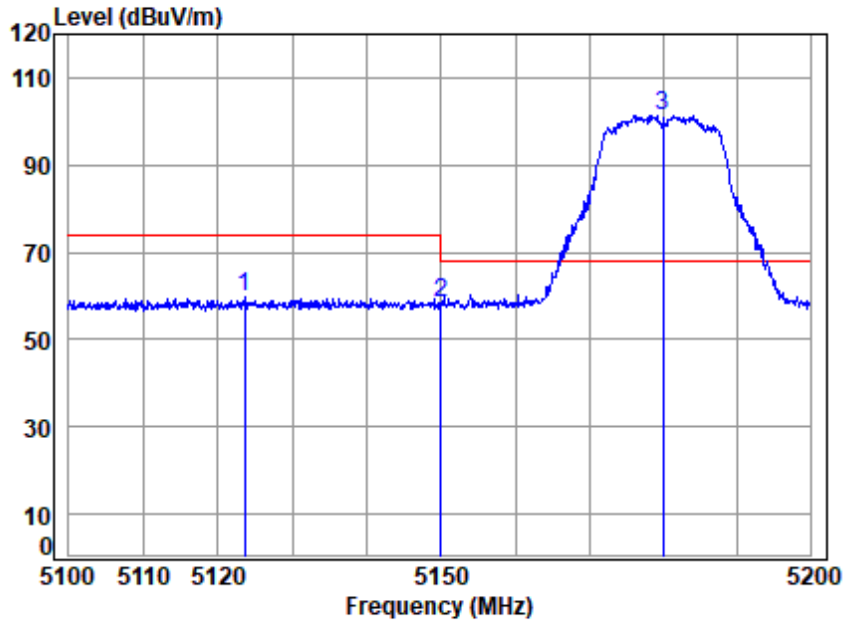
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 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.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Pretest the EUT at antenna 1 and antenna 2, found the antenna 1 which is worst case for 802.11a mode; Pretest the EUT at antenna 1, antenna 2 and MIMO mode, found the MIMO mode which is worst case for 802.11n/ac/ax mode, only the worst test data is recorded in the report.



Test Mode: 21; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

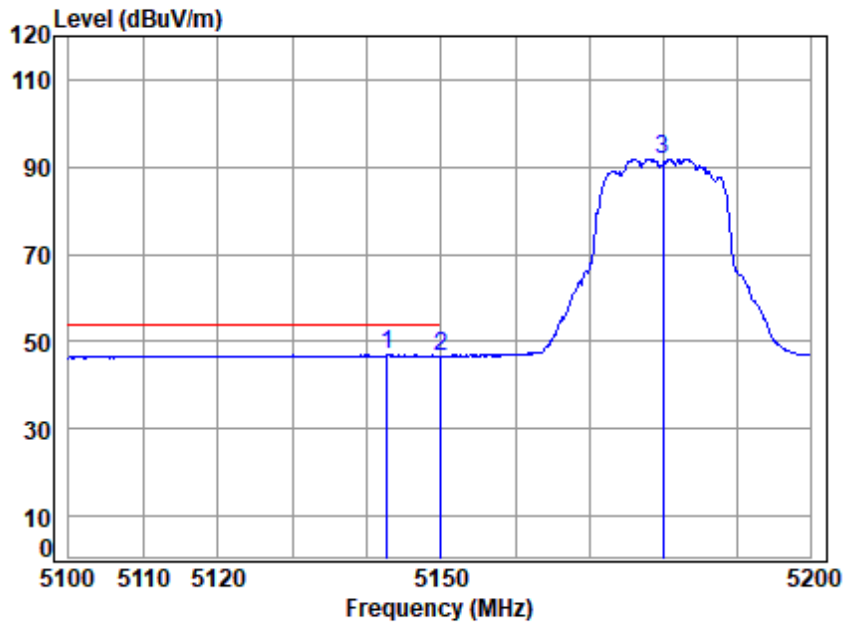


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5123.525	7.53	34.30	42.31	60.10	59.62	74.00	-14.38 peak
2 5149.980	7.57	34.32	42.32	58.66	58.23	74.00	-15.77 peak
3 * 5180.000	7.63	34.35	42.32	101.83	101.49	68.20	33.29 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

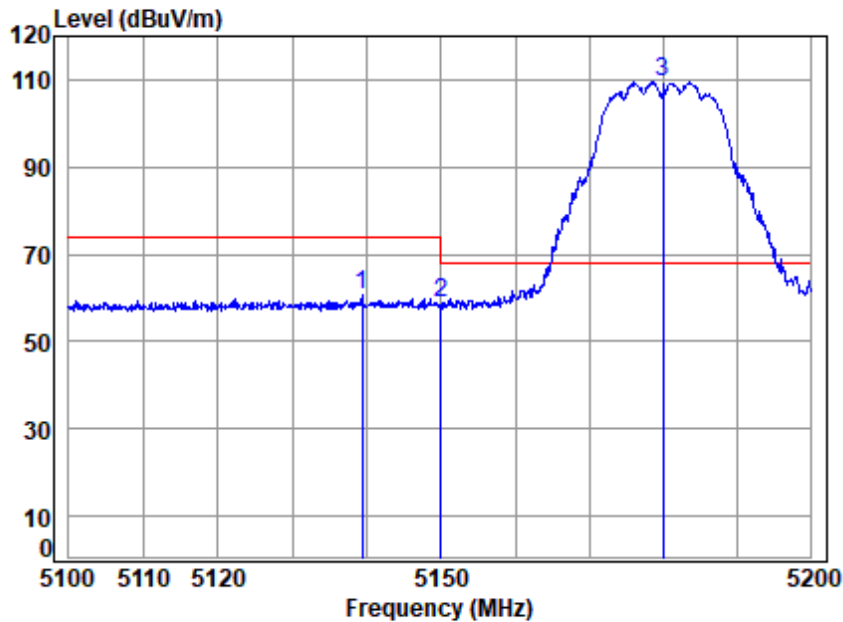


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5142.762	7.56	34.32	42.32	47.33	46.89	54.00	-7.11	Average
2 5149.980	7.57	34.32	42.32	47.17	46.74	54.00	-7.26	Average
3 5180.000	7.63	34.35	42.32	92.27	91.93	-----	-----	Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



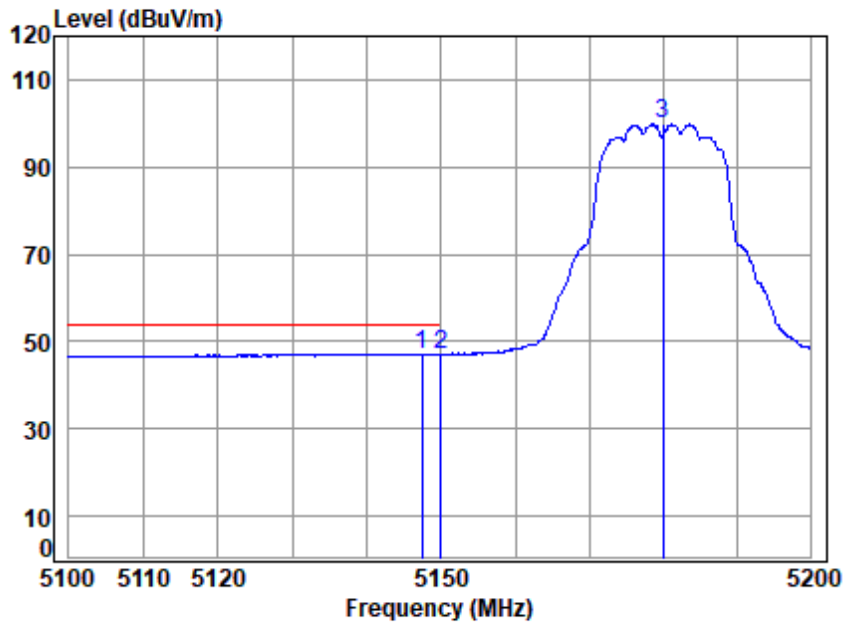
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5139.368	7.55	34.32	42.32	60.98	60.53	74.00	-13.47 peak
2	5149.980	7.57	34.32	42.32	59.11	58.68	74.00	-15.32 peak
3 *	5180.000	7.63	34.35	42.32	109.99	109.65	68.20	41.45 peak





Test Mode: 21; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



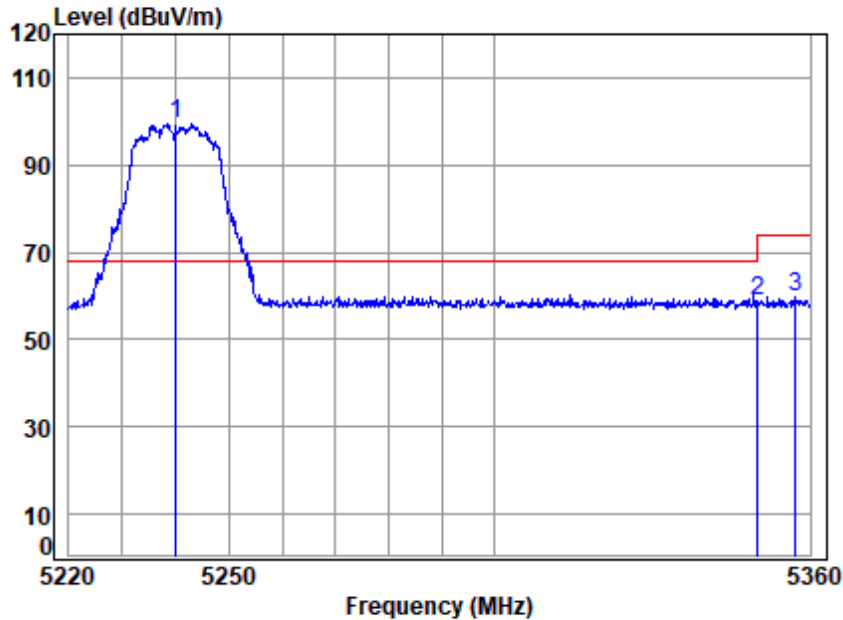
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.358	7.57	34.32	42.32	47.62	47.19	54.00	-6.81 Average
2	5149.980	7.57	34.32	42.32	47.60	47.17	54.00	-6.83 Average
3	5180.000	7.63	34.35	42.32	100.18	99.84	-----	----- Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

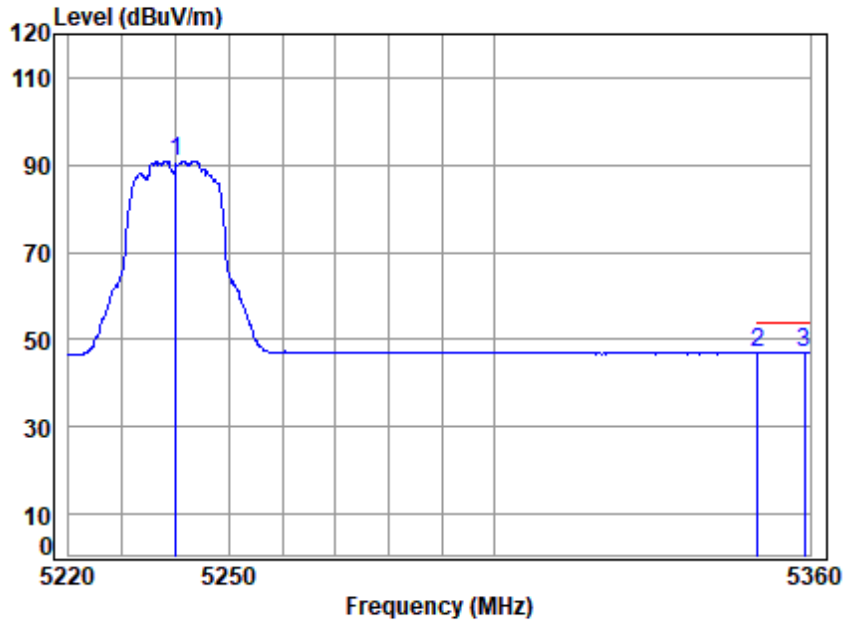


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5240.000	7.73	34.40	42.33	99.65	99.45	68.20	31.25	peak
2 5350.020	7.92	34.48	42.34	58.74	58.80	74.00	-15.20	peak
3 5357.305	7.94	34.49	42.34	59.62	59.71	74.00	-14.29	peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

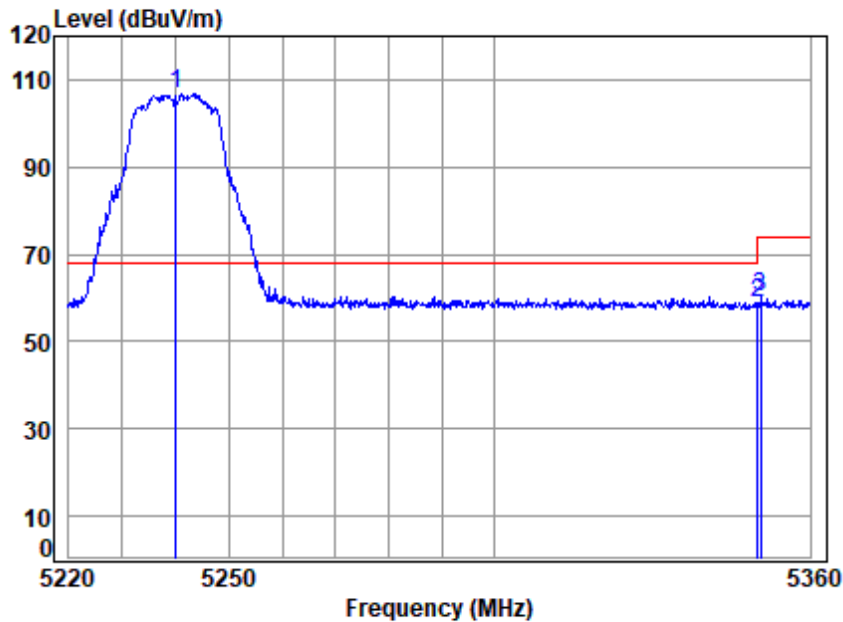


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	91.14	90.94	-----	----- Average
2 5350.020	7.92	34.48	42.34	46.86	46.92	54.00	-7.08 Average
3 5359.007	7.94	34.49	42.34	47.11	47.20	54.00	-6.80 Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	107.12	106.92	68.20	38.72 peak
2 5350.020	7.92	34.48	42.34	58.68	58.74	74.00	-15.26 peak
3 5350.504	7.93	34.48	42.34	60.16	60.23	74.00	-13.77 peak

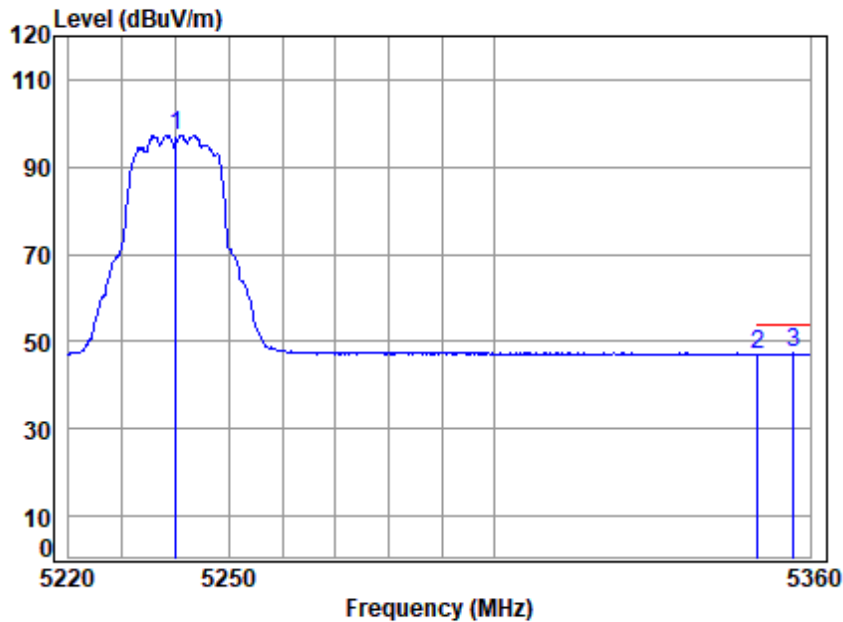


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 21; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	97.56	97.36	-----	-----
2 5350.020	7.92	34.48	42.34	47.07	47.13	54.00	-6.87
3 5356.880	7.94	34.49	42.34	47.15	47.24	54.00	-6.76
							Average
							Average
							Average



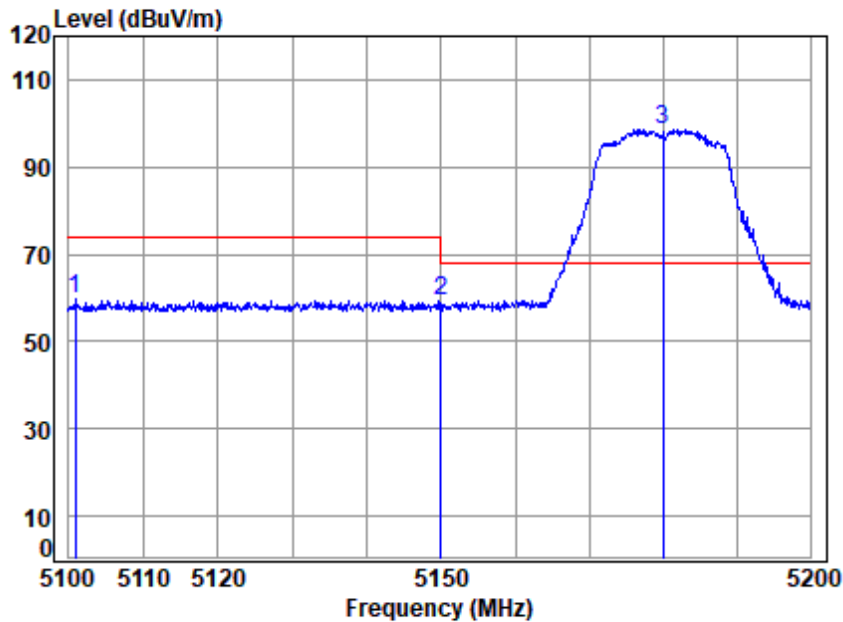
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Test Mode: 21; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

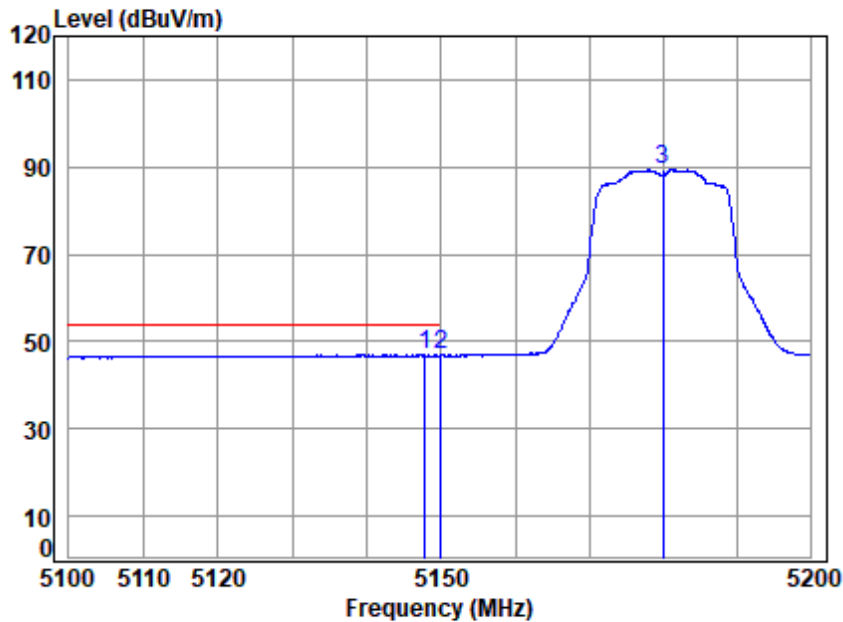


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5100.892	7.48	34.28	42.31	60.15	59.60	74.00	-14.40 peak
2 5149.980	7.57	34.32	42.32	59.83	59.40	74.00	-14.60 peak
3 * 5180.000	7.63	34.35	42.32	99.09	98.75	68.20	30.55 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

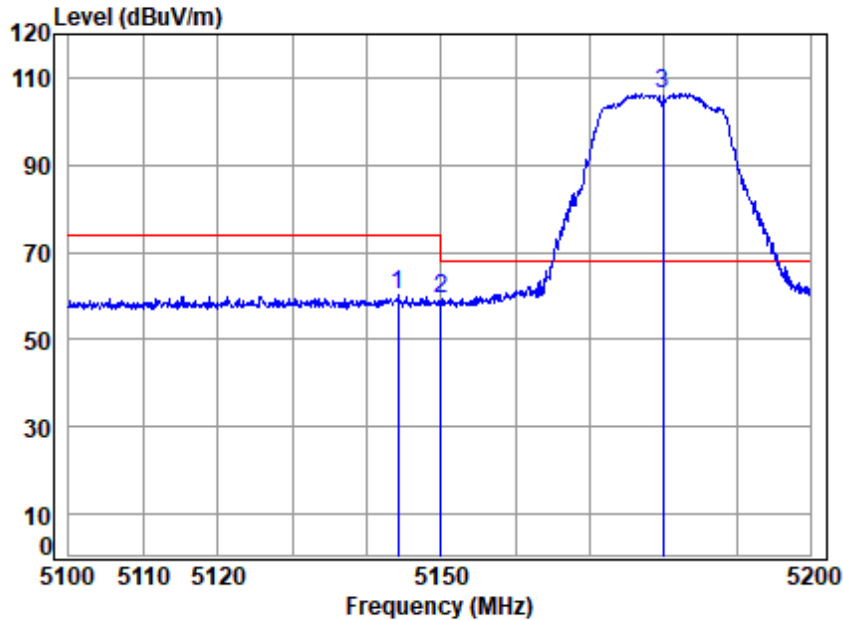


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.758	7.57	34.32	42.32	47.30	46.87	54.00	-7.13 Average
2	5149.980	7.57	34.32	42.32	47.23	46.80	54.00	-7.20 Average
3	5180.000	7.63	34.35	42.32	89.63	89.29	-----	----- Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

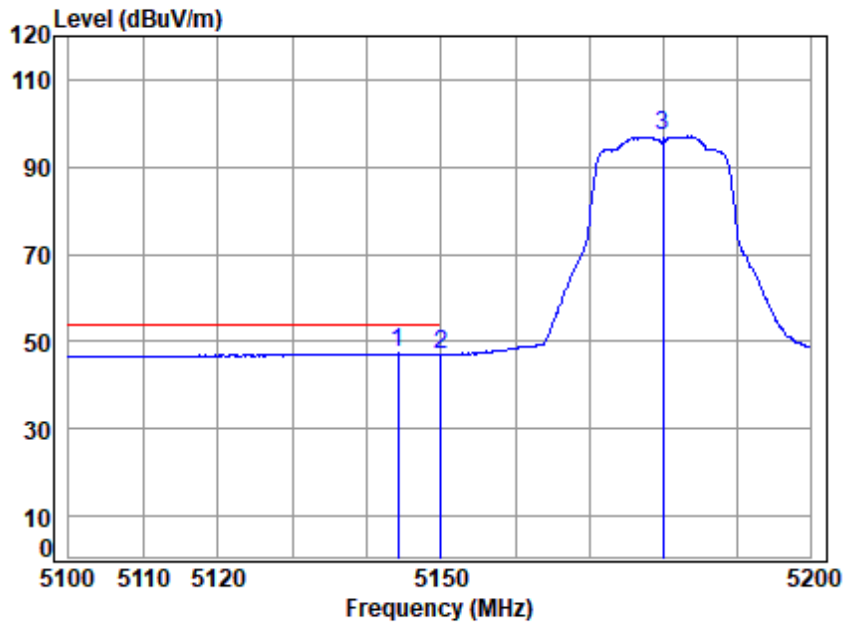


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5144.161	7.56	34.32	42.32	60.54	60.10	74.00	-13.90 peak
2 5149.980	7.57	34.32	42.32	59.63	59.20	74.00	-14.80 peak
3 * 5180.000	7.63	34.35	42.32	106.83	106.49	68.20	38.29 peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



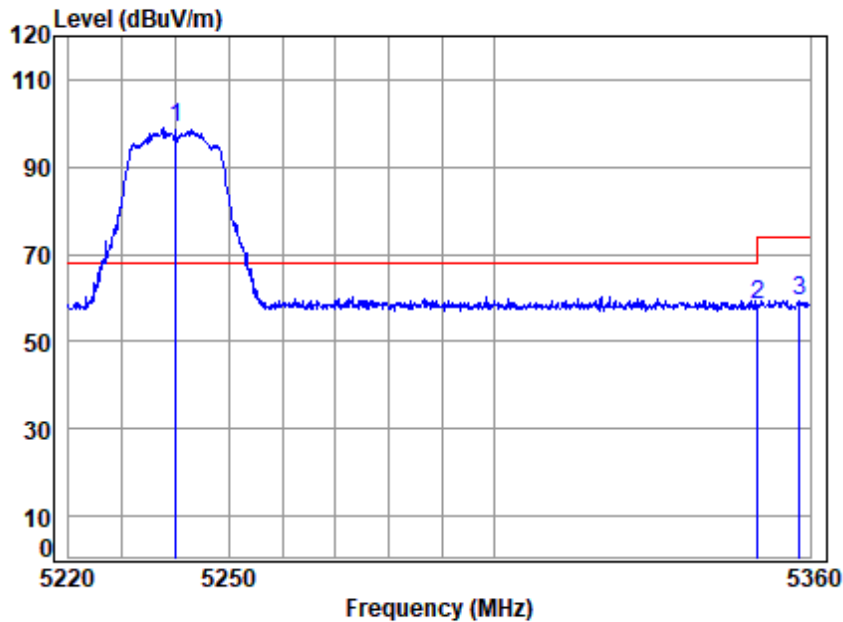
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5144.161	7.56	34.32	42.32	47.70	47.26	54.00	-6.74	Average
2 5149.980	7.57	34.32	42.32	47.53	47.10	54.00	-6.90	Average
3 5180.000	7.63	34.35	42.32	97.31	96.97	-----	-----	Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

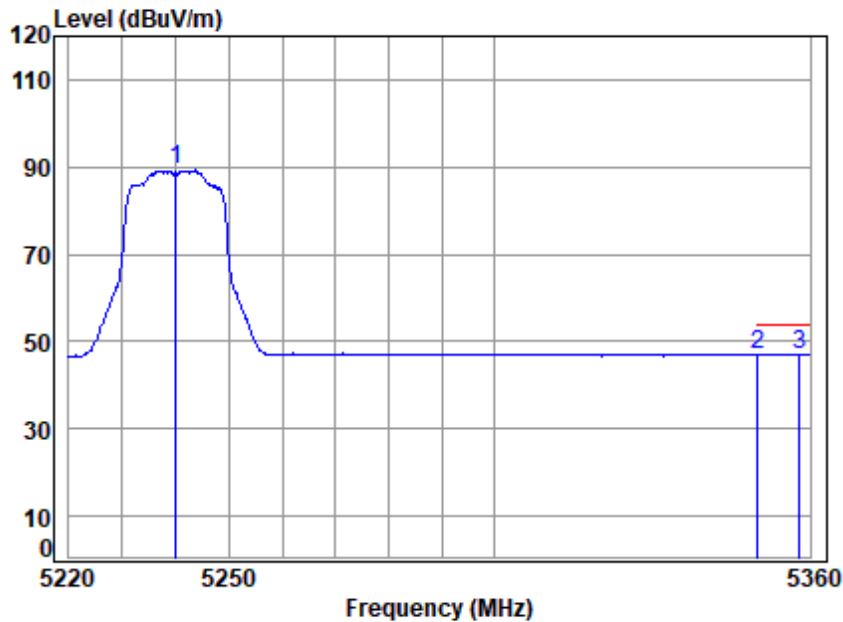


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	99.21	99.01	68.20	30.81 peak
2 5350.020	7.92	34.48	42.34	58.16	58.22	74.00	-15.78 peak
3 5358.014	7.94	34.49	42.34	59.36	59.45	74.00	-14.55 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

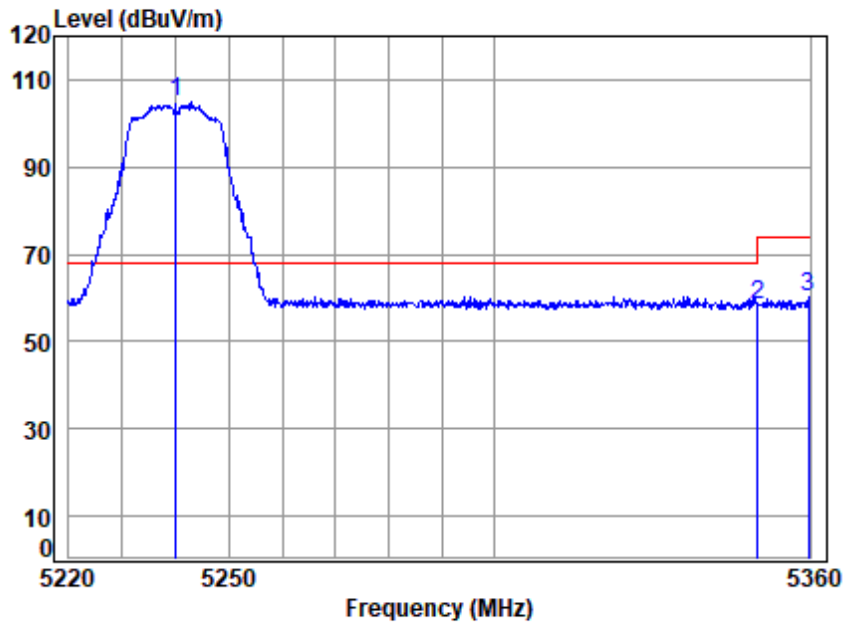


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	89.43	89.23	-----	----- Average
2 5350.020	7.92	34.48	42.34	46.89	46.95	54.00	-7.05 Average
3 5358.014	7.94	34.49	42.34	47.01	47.10	54.00	-6.90 Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

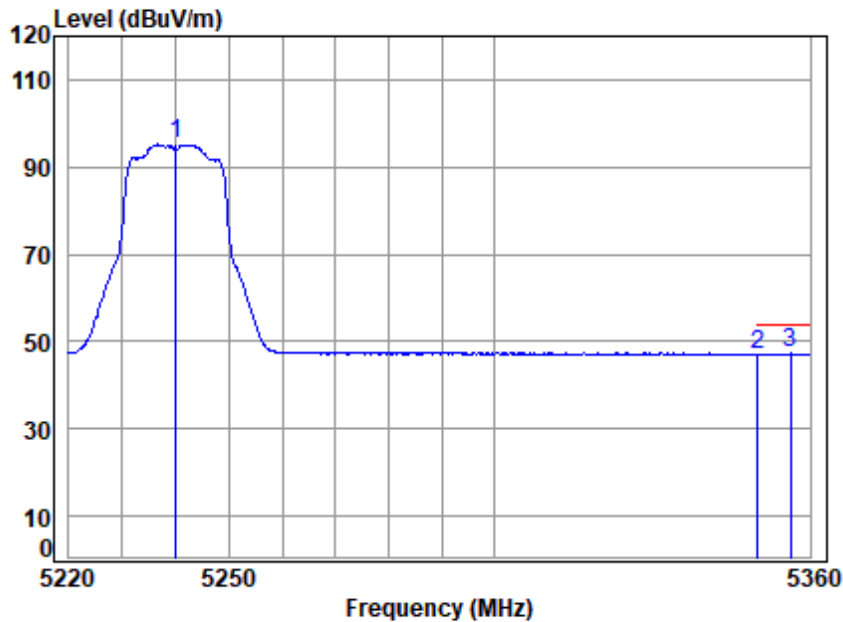


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5240.000	7.73	34.40	42.33	104.93	104.73	68.20	36.53	peak
2 5350.020	7.92	34.48	42.34	58.45	58.51	74.00	-15.49	peak
3 5359.716	7.94	34.49	42.34	60.14	60.23	74.00	-13.77	peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



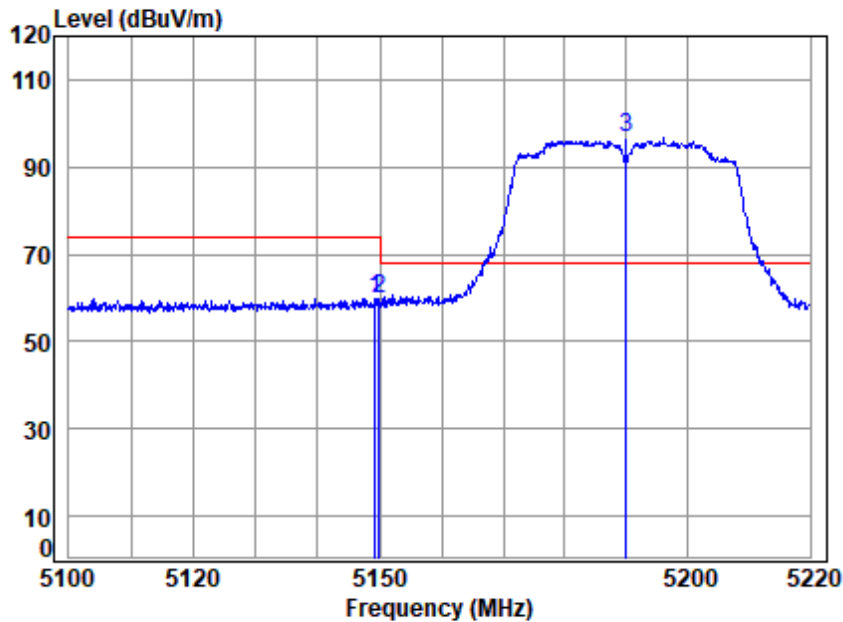
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	95.37	95.17	-----	----- Average
2 5350.020	7.92	34.48	42.34	46.96	47.02	54.00	-6.98 Average
3 5356.313	7.94	34.49	42.34	47.14	47.23	54.00	-6.77 Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

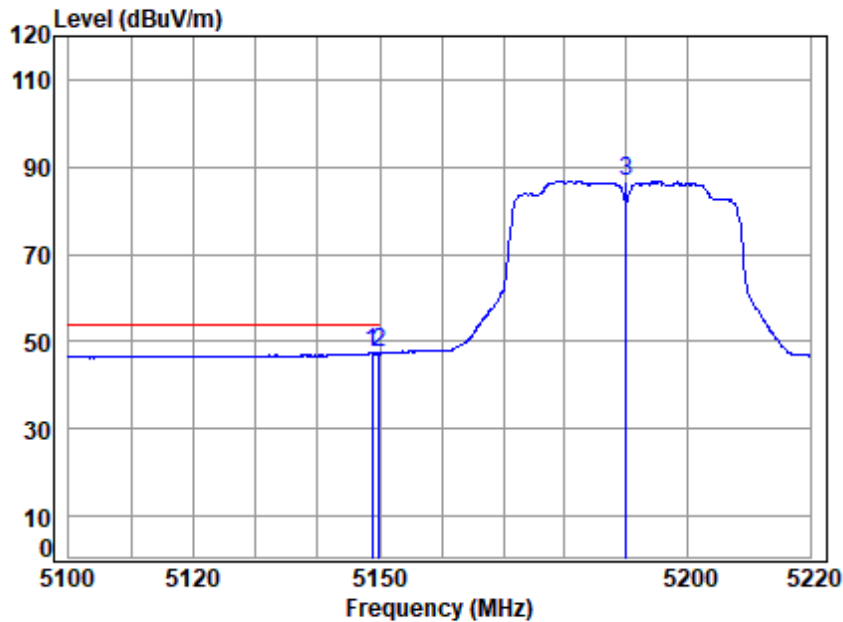


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5149.342	7.57	34.32	42.32	60.26	59.83	74.00	-14.17 peak
2 5149.980	7.57	34.32	42.32	60.15	59.72	74.00	-14.28 peak
3 * 5190.000	7.64	34.36	42.32	97.01	96.69	68.20	28.49 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

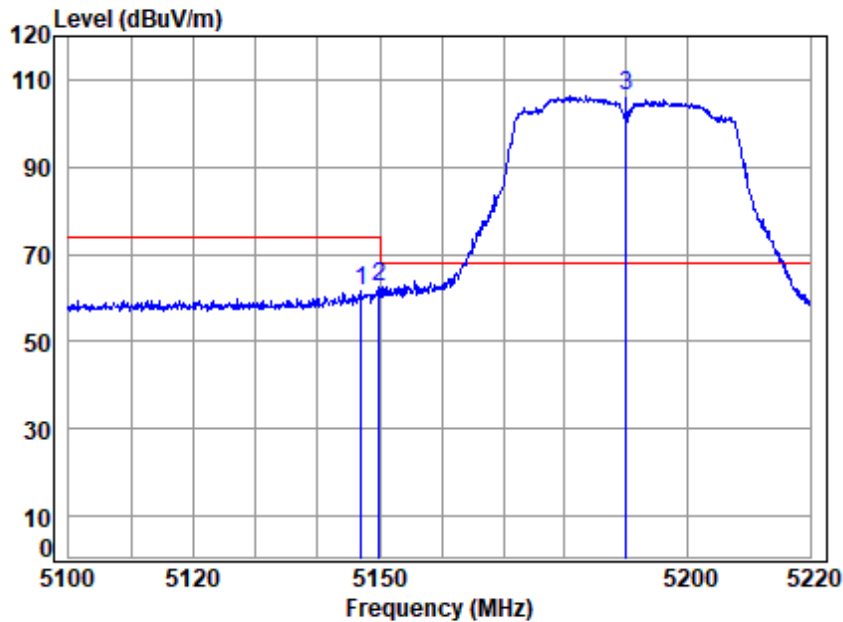


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.743	7.57	34.32	42.32	47.80	47.37	54.00	-6.63 Average
2	5149.980	7.57	34.32	42.32	47.72	47.29	54.00	-6.71 Average
3	5190.000	7.64	34.36	42.32	87.23	86.91	-----	----- Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

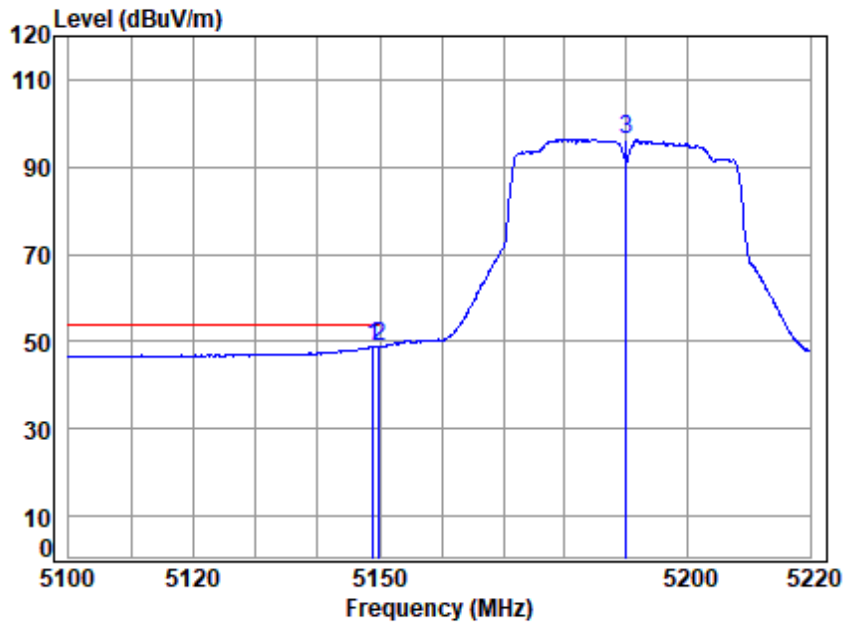


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5147.067	7.57	34.32	42.32	61.90	61.47	74.00	-12.53 peak
2 5149.980	7.57	34.32	42.32	62.76	62.33	74.00	-11.67 peak
3 * 5190.000	7.64	34.36	42.32	106.54	106.22	68.20	38.02 peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



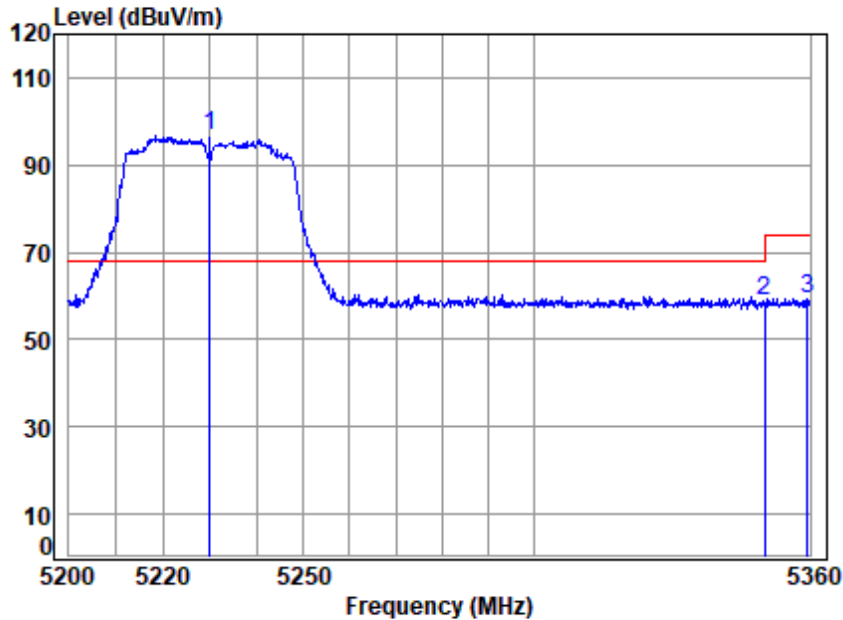
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.863	7.57	34.32	42.32	49.34	48.91	54.00	-5.09 Average
2	5149.980	7.57	34.32	42.32	49.22	48.79	54.00	-5.21 Average
3	5190.000	7.64	34.36	42.32	96.74	96.42	-----	----- Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

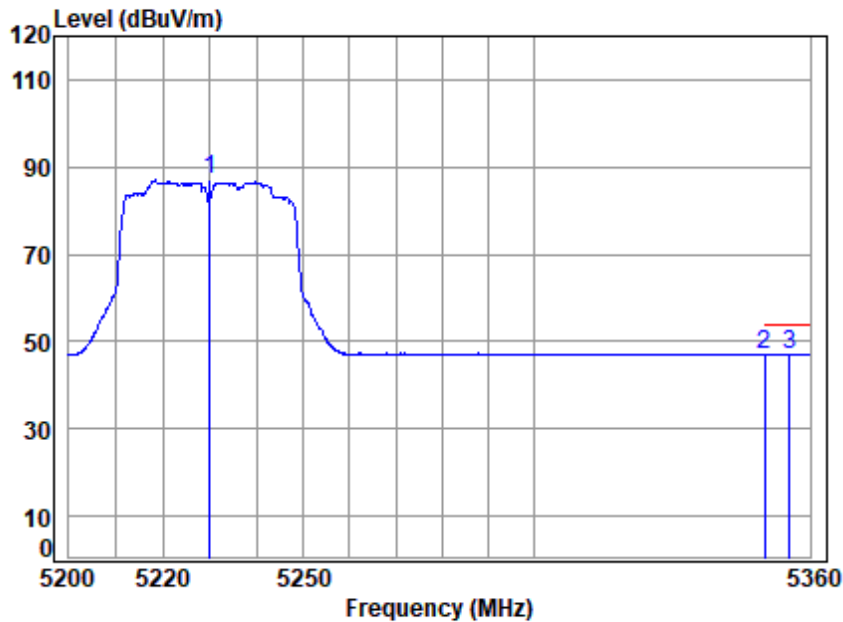


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	7.72	34.39	42.32	96.87	96.66	68.20	28.46 peak
2 5350.020	7.92	34.48	42.34	58.70	58.76	74.00	-15.24 peak
3 5359.350	7.94	34.49	42.34	59.38	59.47	74.00	-14.53 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

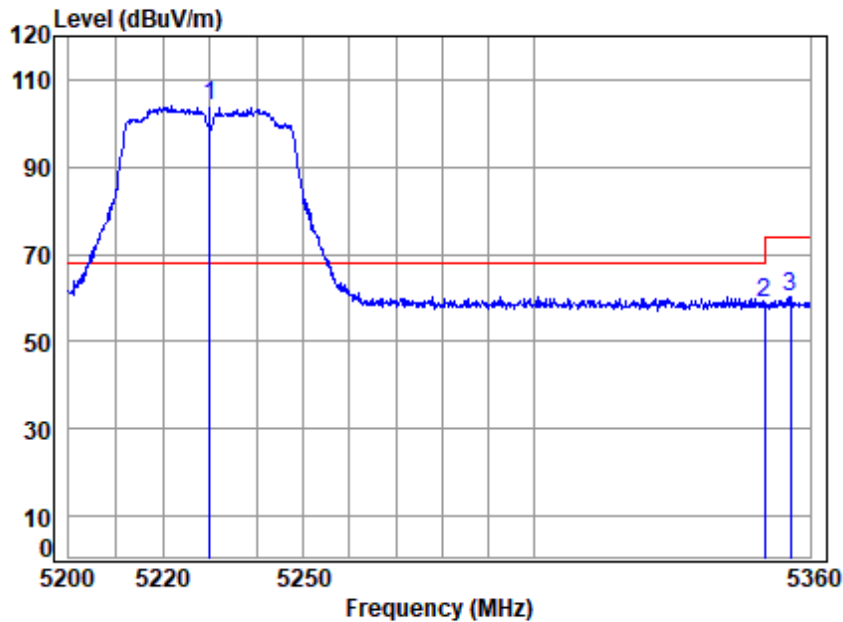


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	7.72	34.39	42.32	87.15	86.94	-----	----- Average
2	5350.020	7.92	34.48	42.34	46.95	47.01	54.00	-6.99 Average
3	5355.454	7.93	34.49	42.34	47.08	47.16	54.00	-6.84 Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	7.72	34.39	42.32	104.13	103.92	68.20	35.72 peak
2 5350.020	7.92	34.48	42.34	58.99	59.05	74.00	-14.95 peak
3 5355.616	7.93	34.49	42.34	60.28	60.36	74.00	-13.64 peak

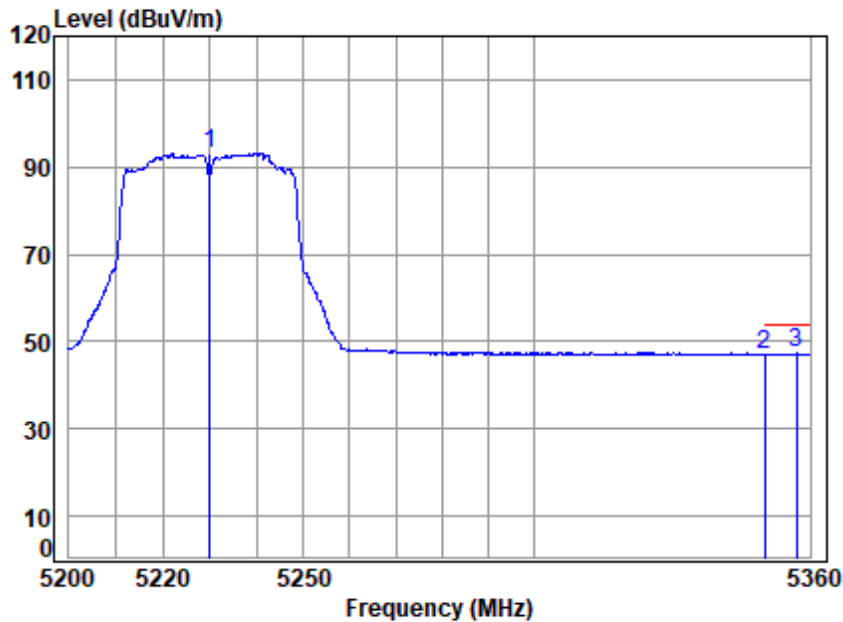


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 21; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



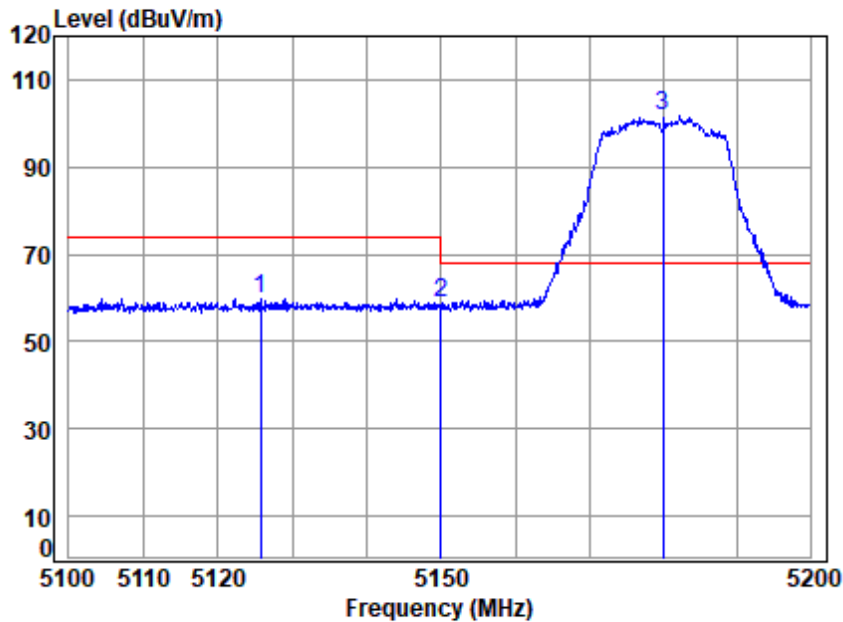
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	7.72	34.39	42.32	93.33	93.12	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.09	47.15	54.00	-6.85 Average
3	5357.077	7.94	34.49	42.34	47.14	47.23	54.00	-6.77 Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

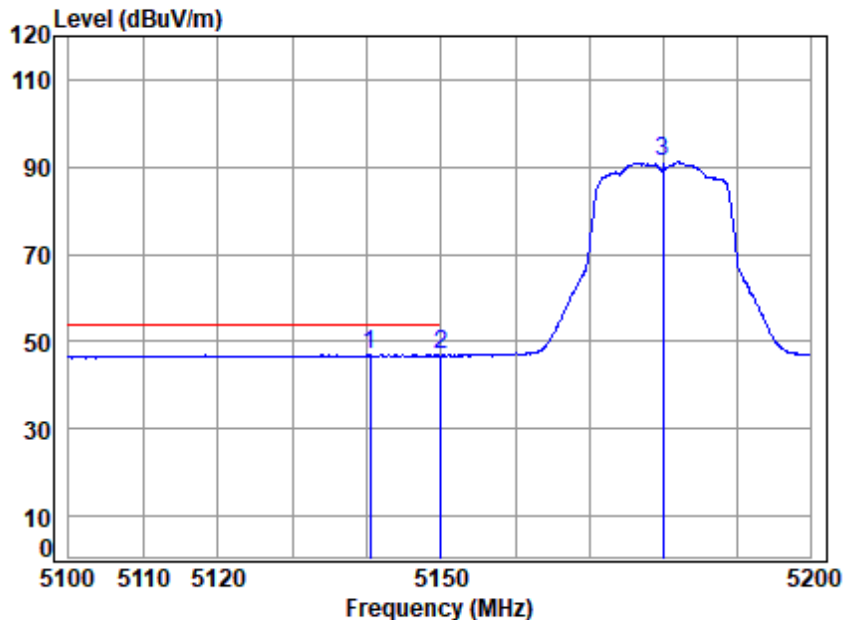


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5125.714	7.53	34.30	42.31	60.45	59.97	74.00	-14.03 peak
2 5149.980	7.57	34.32	42.32	59.20	58.77	74.00	-15.23 peak
3 * 5180.000	7.63	34.35	42.32	101.91	101.57	68.20	33.37 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 02179CR
Mode      : 5180 Band edge
           : 5G WIFI 11AC20
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5140.466	7.56	34.32	42.32	47.35	46.91	54.00	-7.09	Average
2	5149.980	7.57	34.32	42.32	47.27	46.84	54.00	-7.16	Average
3	5180.000	7.63	34.35	42.32	91.65	91.31	-----	-----	Average



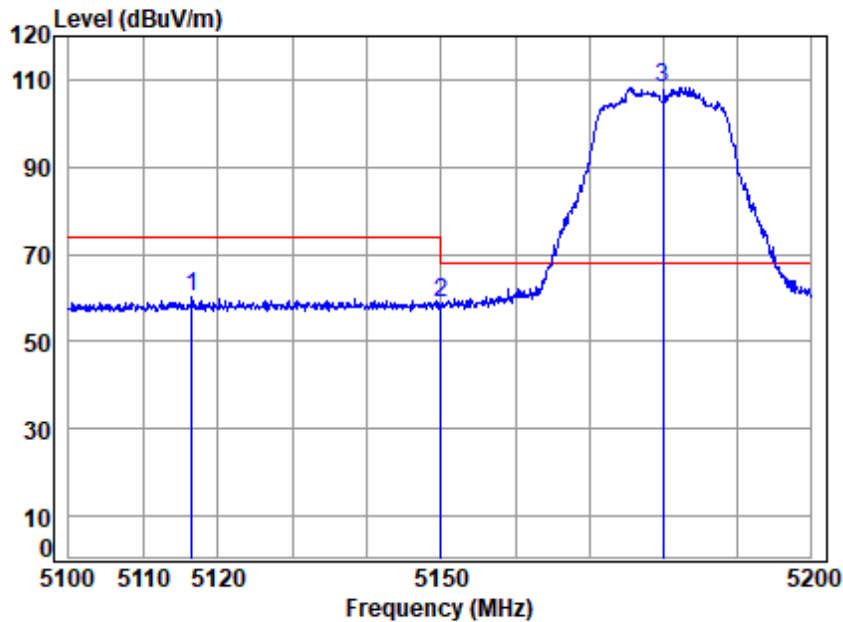
Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of its contractual obligations. Any third party's sole responsibility is to ensure that the document is not used in part or in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention is drawn to the fact that the results of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com).

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgsg.china@sgs.com

Test Mode: 21; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

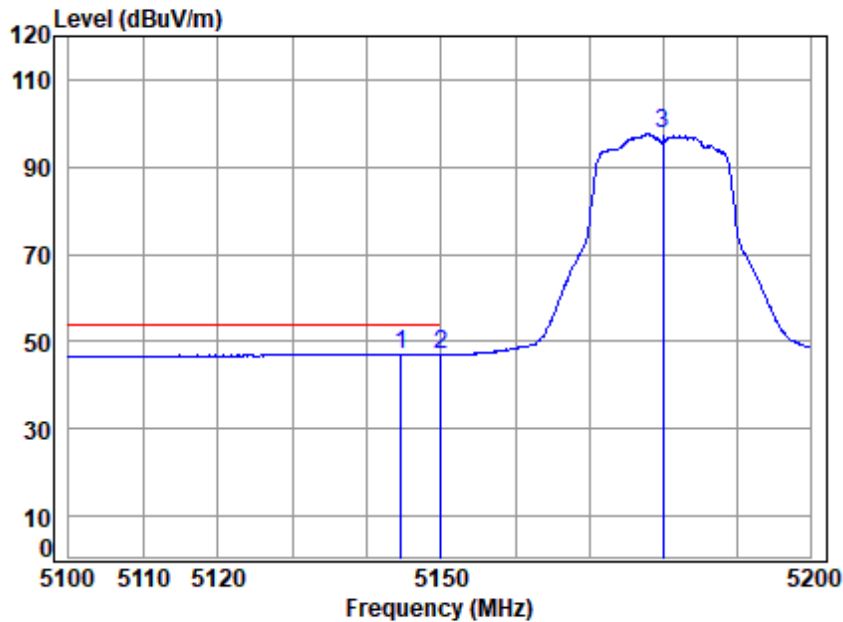


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5116.466	7.51	34.30	42.31	60.51	60.01	74.00	-13.99 peak
2 5149.980	7.57	34.32	42.32	59.37	58.94	74.00	-15.06 peak
3 * 5180.000	7.63	34.35	42.32	108.48	108.14	68.20	39.94 peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



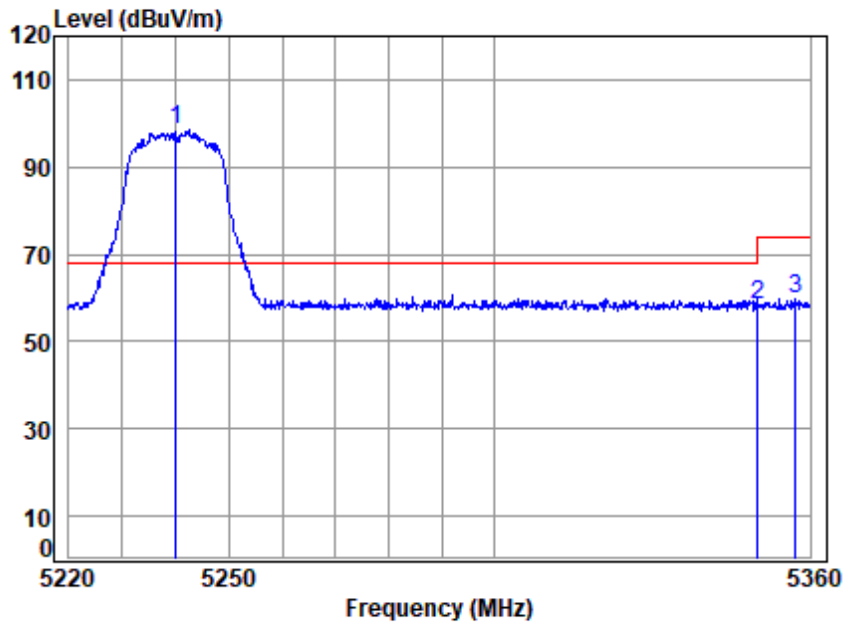
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.560	7.56	34.32	42.32	47.63	47.19	54.00	-6.81 Average
2	5149.980	7.57	34.32	42.32	47.61	47.18	54.00	-6.82 Average
3	5180.000	7.63	34.35	42.32	98.07	97.73	-----	----- Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	98.56	98.36	68.20	30.16 peak
2 5350.020	7.92	34.48	42.34	58.15	58.21	74.00	-15.79 peak
3 5357.305	7.94	34.49	42.34	59.83	59.92	74.00	-14.08 peak

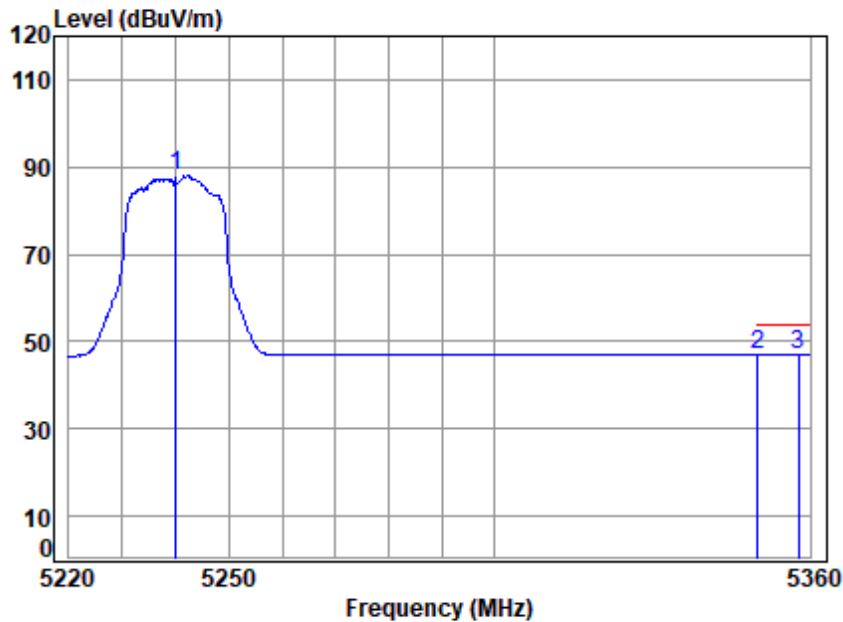


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 21; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	88.37	88.17	-----	-----
2 5350.020	7.92	34.48	42.34	46.91	46.97	54.00	-7.03
3 5357.730	7.94	34.49	42.34	47.08	47.17	54.00	-6.83

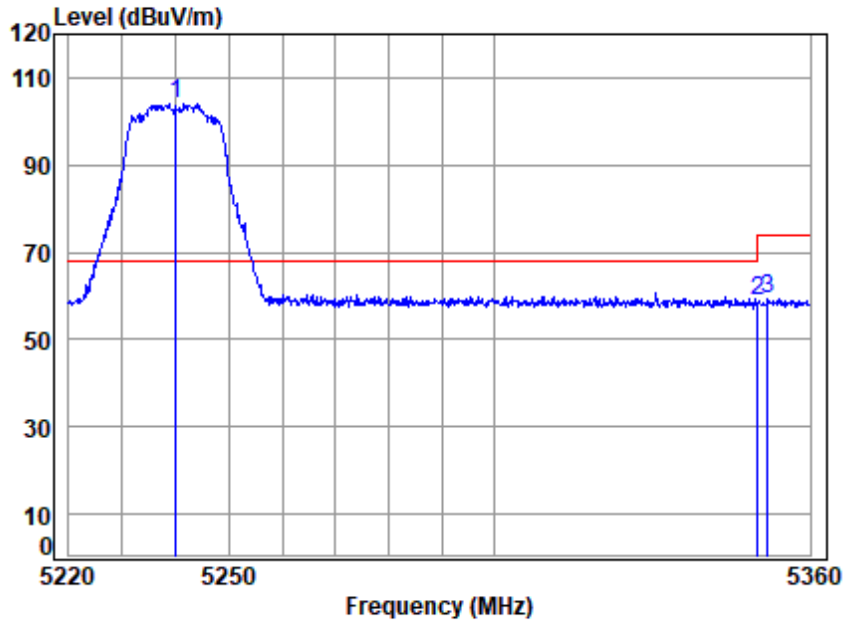


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 21; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	104.33	104.13	68.20	35.93 peak
2 5350.020	7.92	34.48	42.34	58.77	58.83	74.00	-15.17 peak
3 5351.920	7.93	34.49	42.34	59.32	59.40	74.00	-14.60 peak

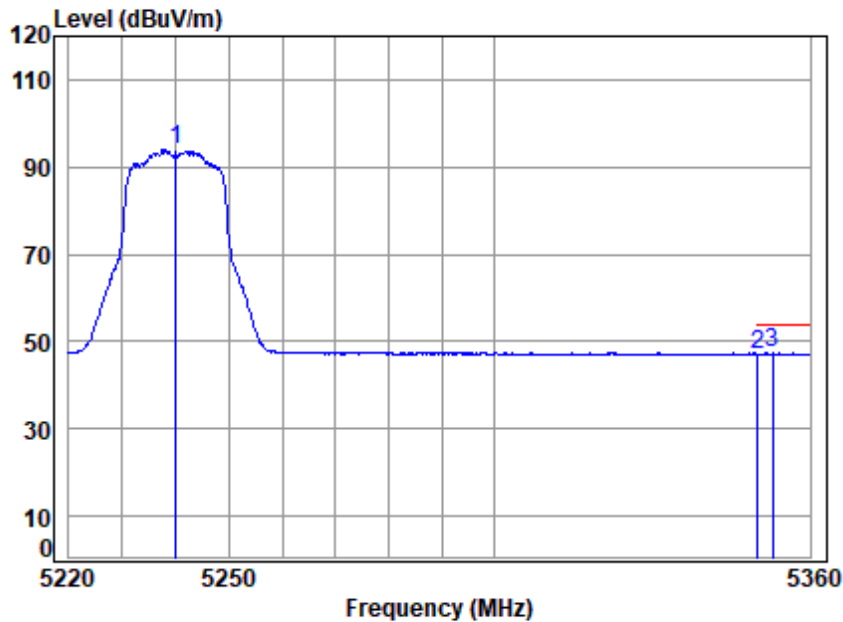


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 21; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	7.73	34.40	42.33	94.03	93.83	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.04	47.10	54.00	-6.90 Average
3	5352.912	7.93	34.49	42.34	47.22	47.30	54.00	-6.70 Average



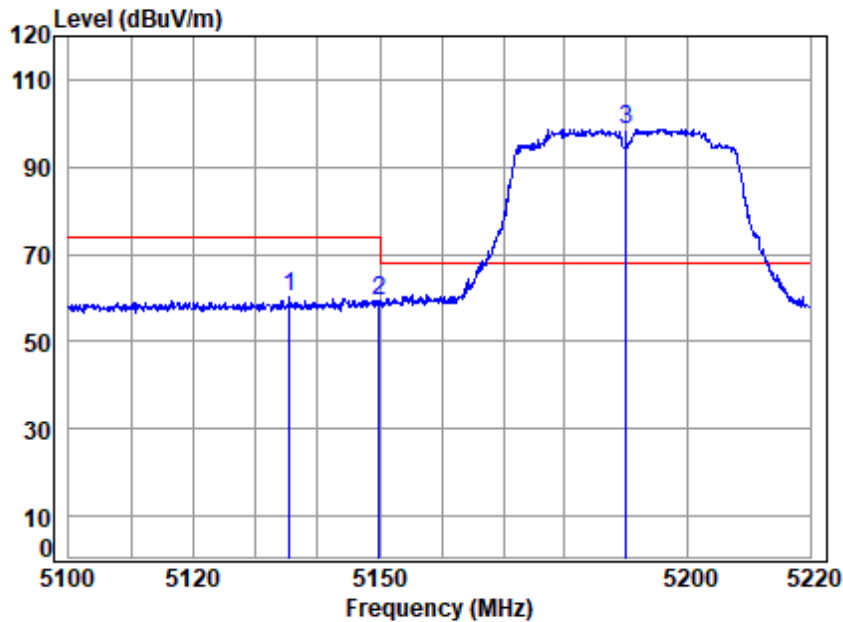
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Test Mode: 21; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

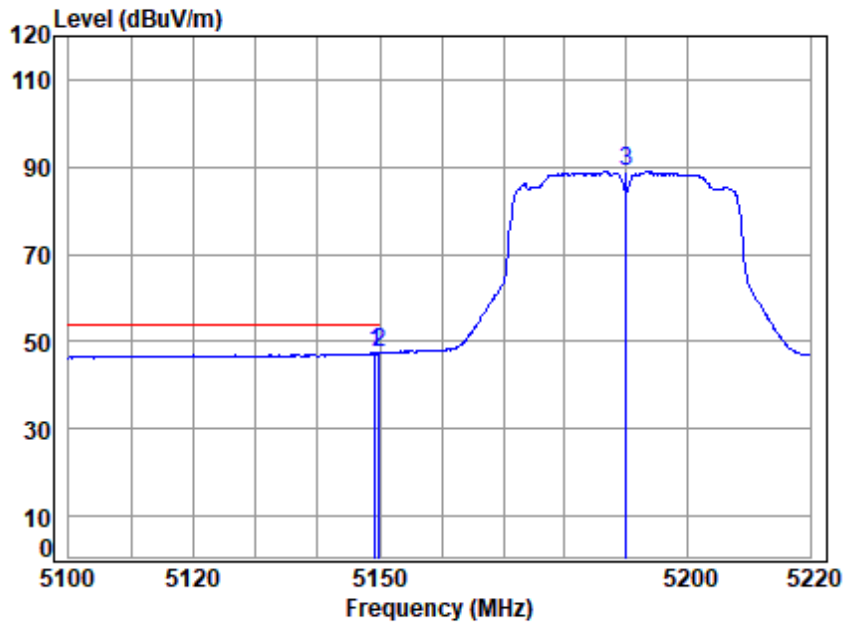


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5135.469	7.55	34.31	42.31	60.57	60.12	74.00	-13.88 peak
2 5149.980	7.57	34.32	42.32	59.64	59.21	74.00	-14.79 peak
3 * 5190.000	7.64	34.36	42.32	99.09	98.77	68.20	30.57 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

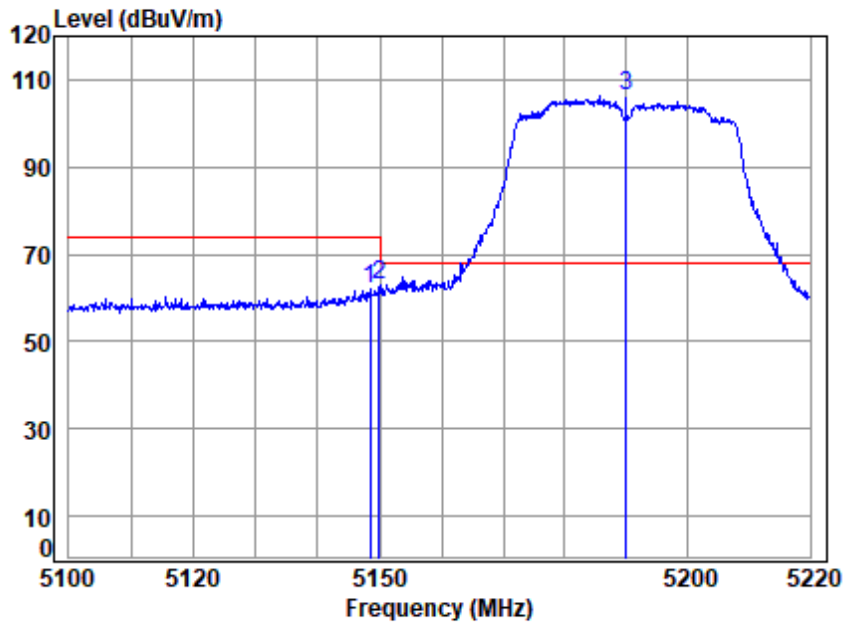


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.342	7.57	34.32	42.32	47.70	47.27	54.00	-6.73 Average
2	5149.980	7.57	34.32	42.32	47.79	47.36	54.00	-6.64 Average
3	5190.000	7.64	34.36	42.32	89.28	88.96	-----	----- Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

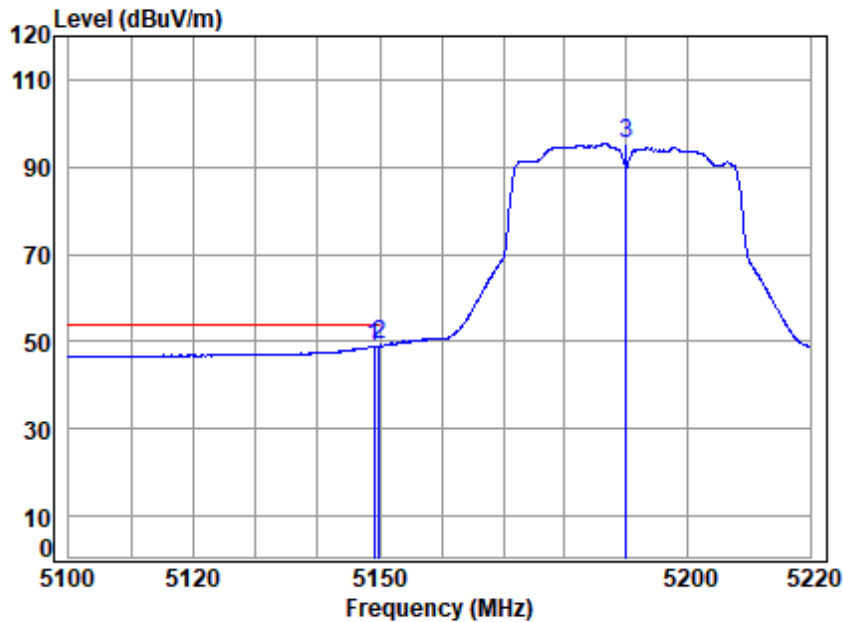


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.384	7.57	34.32	42.32	62.59	62.16	74.00	-11.84 peak
2	5149.980	7.57	34.32	42.32	63.37	62.94	74.00	-11.06 peak
3 *	5190.000	7.64	34.36	42.32	106.48	106.16	68.20	37.96 peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



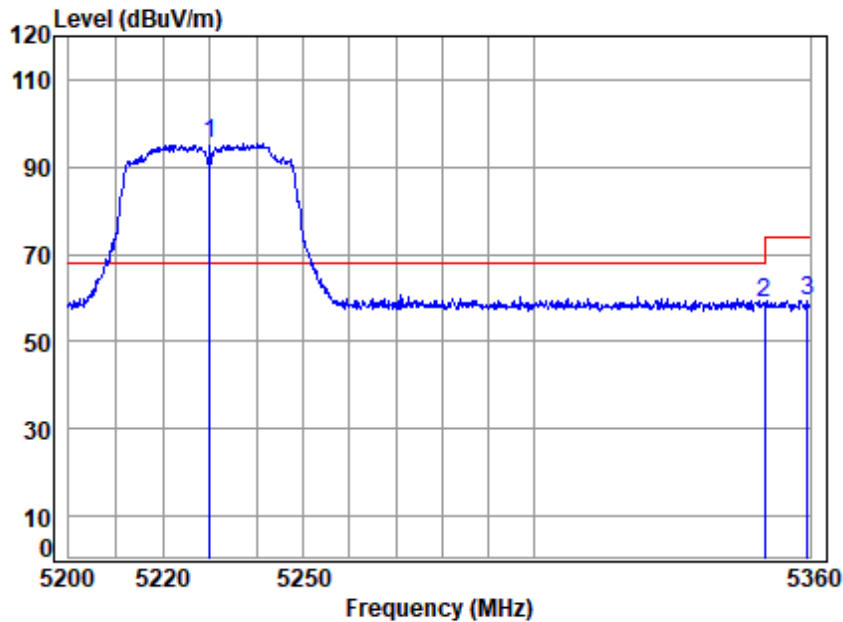
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.102	7.57	34.32	42.32	49.26	48.83	54.00	-5.17 Average
2	5149.980	7.57	34.32	42.32	49.49	49.06	54.00	-4.94 Average
3	5190.000	7.64	34.36	42.32	95.78	95.46	-----	----- Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

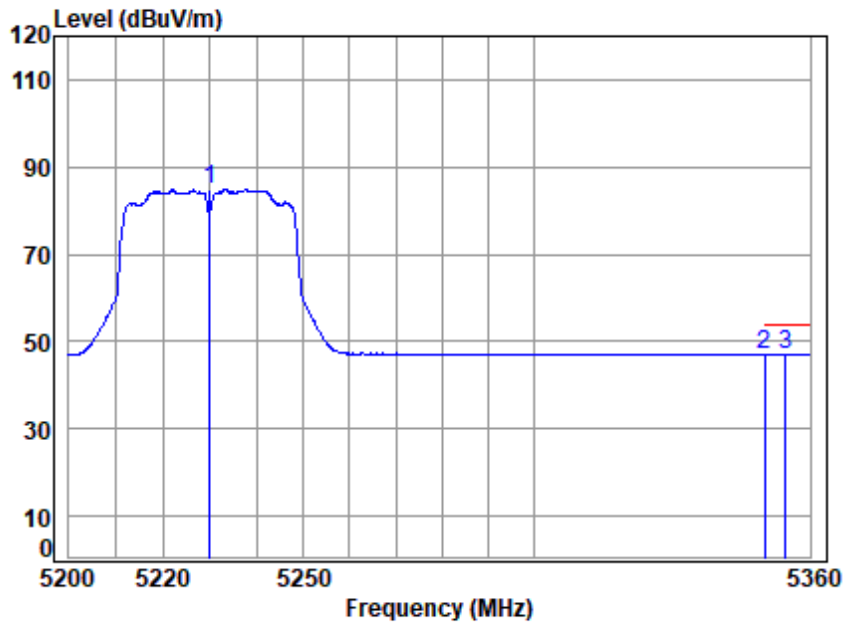


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5230.000	7.72	34.39	42.32	95.57	95.36	68.20	27.16	peak
2 5350.020	7.92	34.48	42.34	58.71	58.77	74.00	-15.23	peak
3 5359.513	7.94	34.49	42.34	59.35	59.44	74.00	-14.56	peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

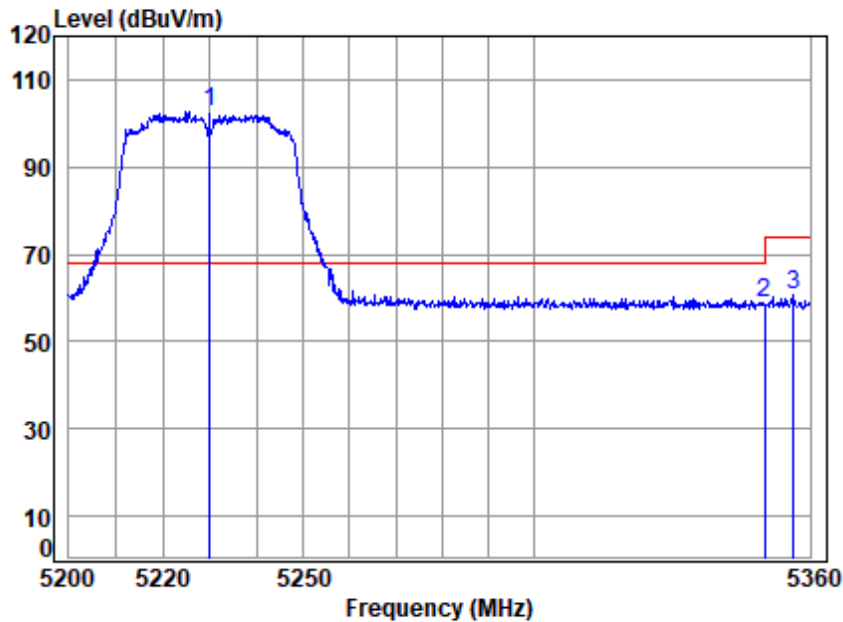


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5230.000	7.72	34.39	42.32	85.19	84.98	-----	----- Average
2 5350.020	7.92	34.48	42.34	46.94	47.00	54.00	-7.00 Average
3 5354.642	7.93	34.49	42.34	47.08	47.16	54.00	-6.84 Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	7.72	34.39	42.32	102.85	102.64	68.20	34.44 peak
2 5350.020	7.92	34.48	42.34	58.89	58.95	74.00	-15.05 peak
3 5356.428	7.94	34.49	42.34	60.73	60.82	74.00	-13.18 peak

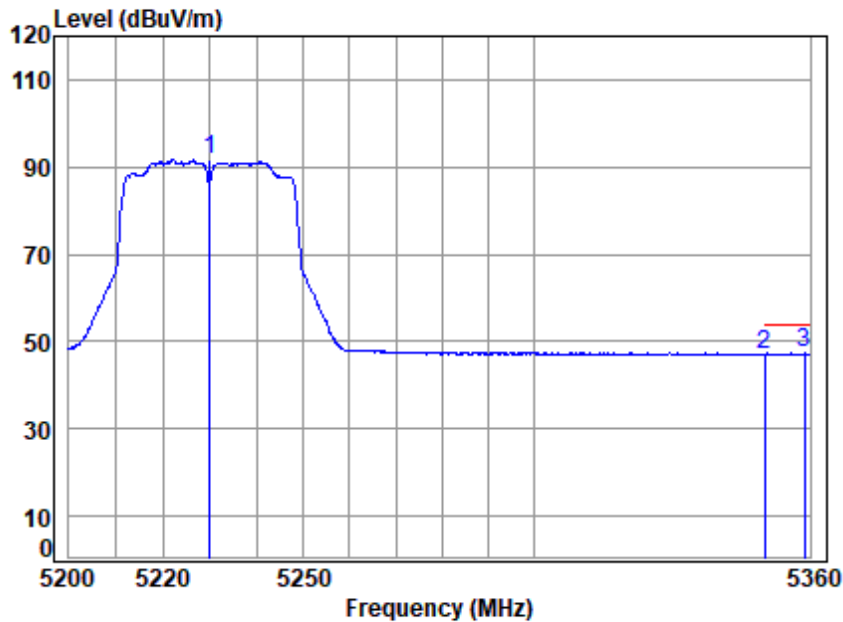


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 21; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



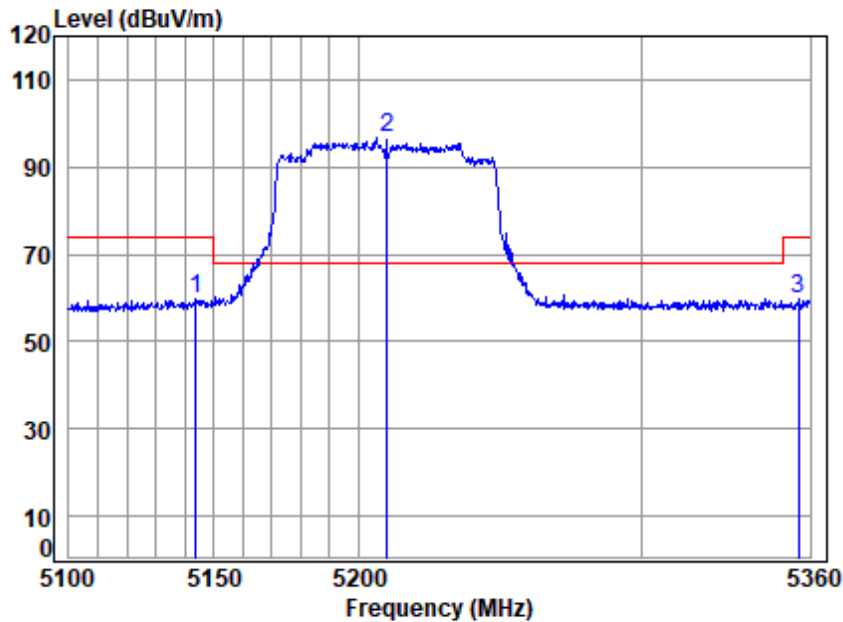
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	7.72	34.39	42.32	91.99	91.78	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.15	47.21	54.00	-6.79 Average
3	5358.701	7.94	34.49	42.34	47.27	47.36	54.00	-6.64 Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

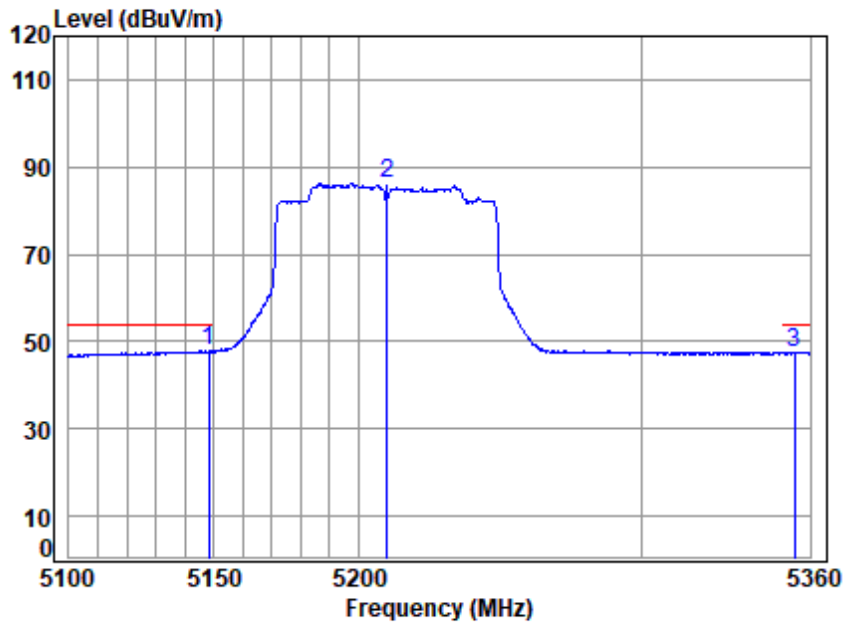


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5210 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5143.805	7.56	34.32	42.32	60.27	59.83	74.00	-14.17 peak
2 * 5210.000	7.68	34.37	42.32	96.79	96.52	68.20	28.32 peak
3 5355.737	7.93	34.49	42.34	59.74	59.82	74.00	-14.18 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5210 Band edge  
: 5G WIFI 11AC80

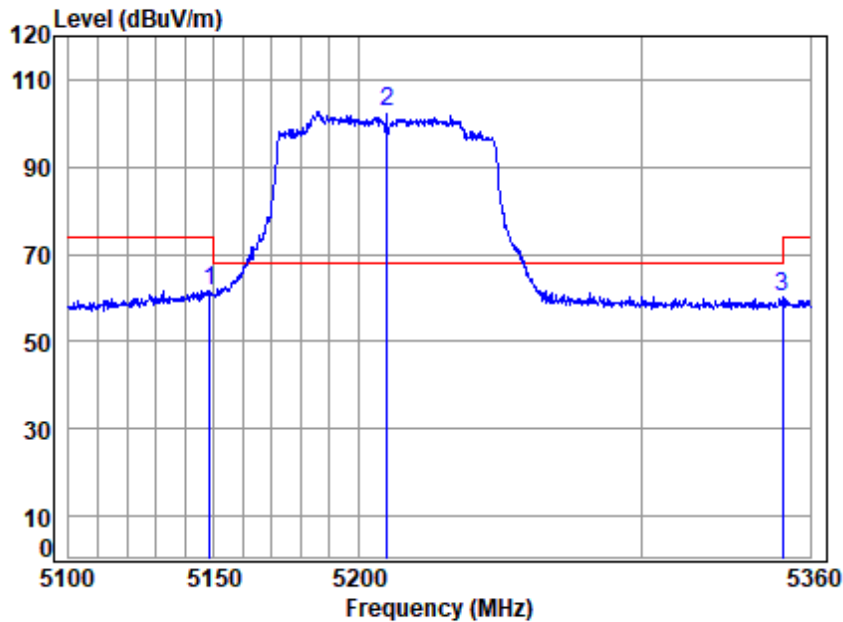
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5148.154	7.57	34.32	42.32	48.25	47.82	54.00	-6.18
2 5210.000	7.68	34.37	42.32	86.54	86.27	-----	-----
3 5354.406	7.93	34.49	42.34	47.43	47.51	54.00	-6.49



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 21; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

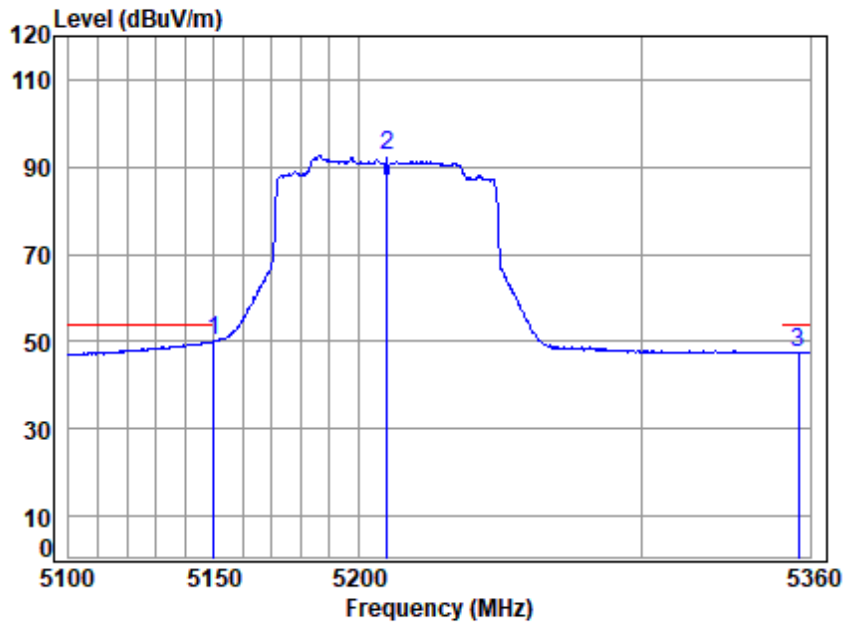


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5210 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5148.410	7.57	34.32	42.32	62.23	61.80	74.00	-12.20 peak
2 * 5210.000	7.68	34.37	42.32	103.14	102.87	68.20	34.67 peak
3 5350.148	7.92	34.48	42.34	60.09	60.15	74.00	-13.85 peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



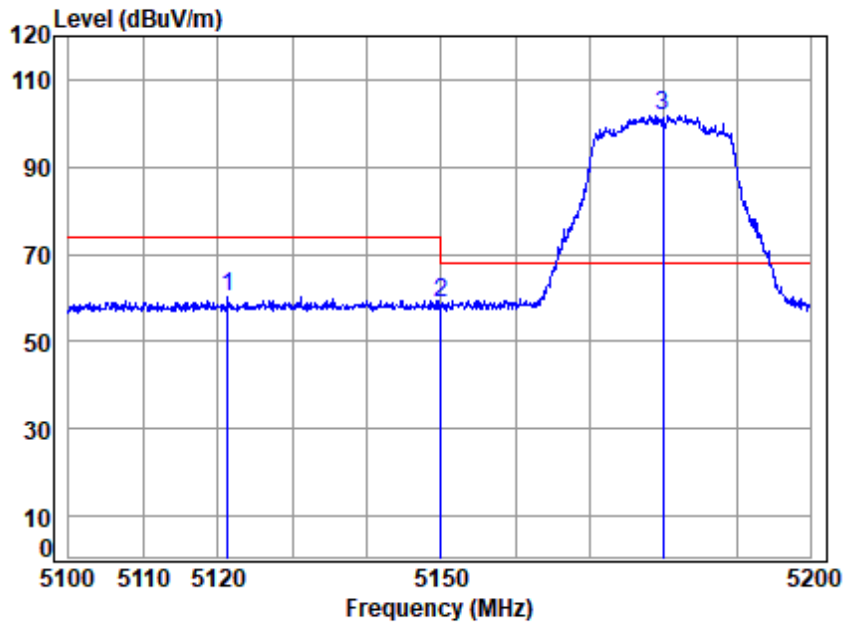
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5210 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5149.947	7.57	34.32	42.32	50.47	50.04	54.00	-3.96
2 5210.000	7.68	34.37	42.32	92.83	92.56	-----	-----
3 5355.737	7.93	34.49	42.34	47.55	47.63	54.00	-6.37





Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low

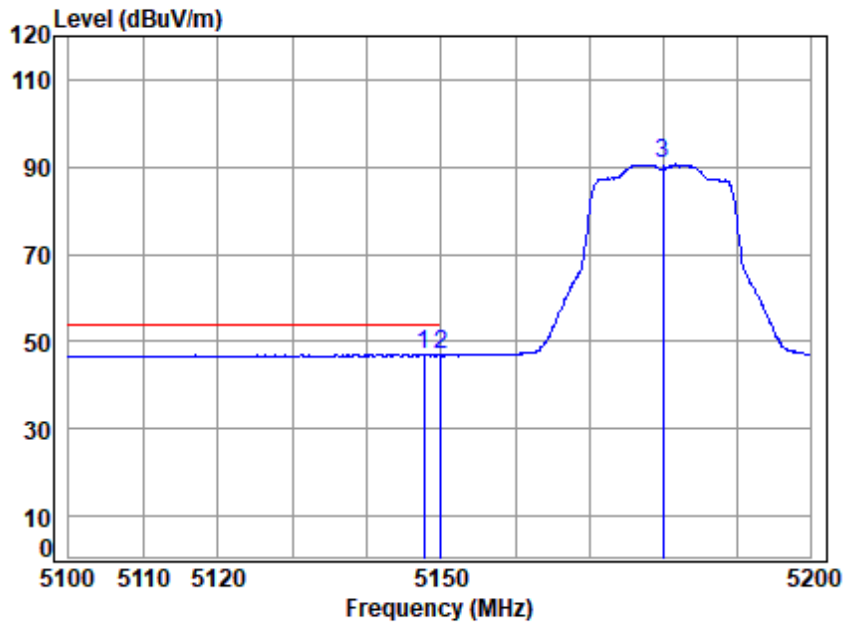


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5121.336	7.52	34.30	42.31	60.71	60.22	74.00	-13.78 peak
2 5149.980	7.57	34.32	42.32	59.08	58.65	74.00	-15.35 peak
3 * 5180.000	7.63	34.35	42.32	102.10	101.76	68.20	33.56 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low

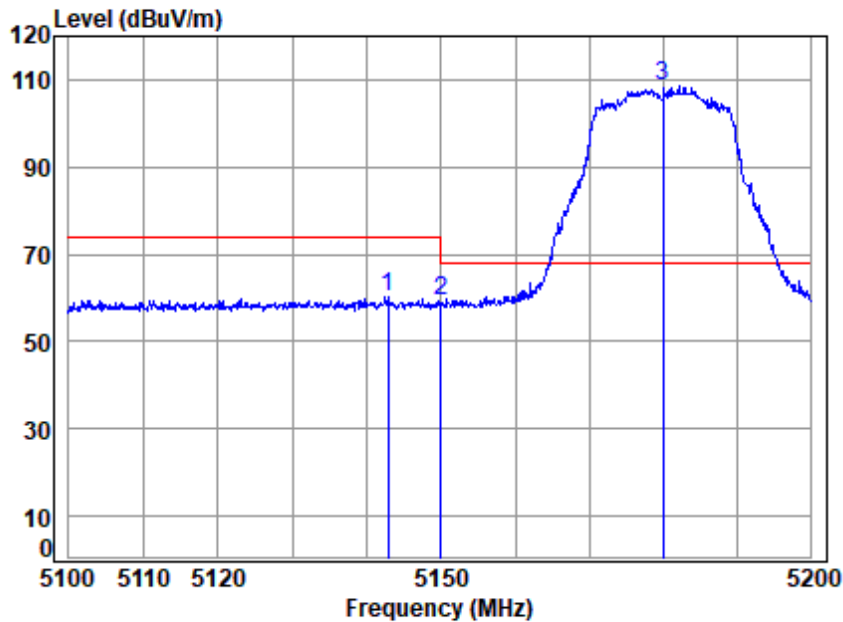


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.658	7.57	34.32	42.32	47.35	46.92	54.00	-7.08 Average
2	5149.980	7.57	34.32	42.32	47.26	46.83	54.00	-7.17 Average
3	5180.000	7.63	34.35	42.32	90.94	90.60	-----	----- Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low

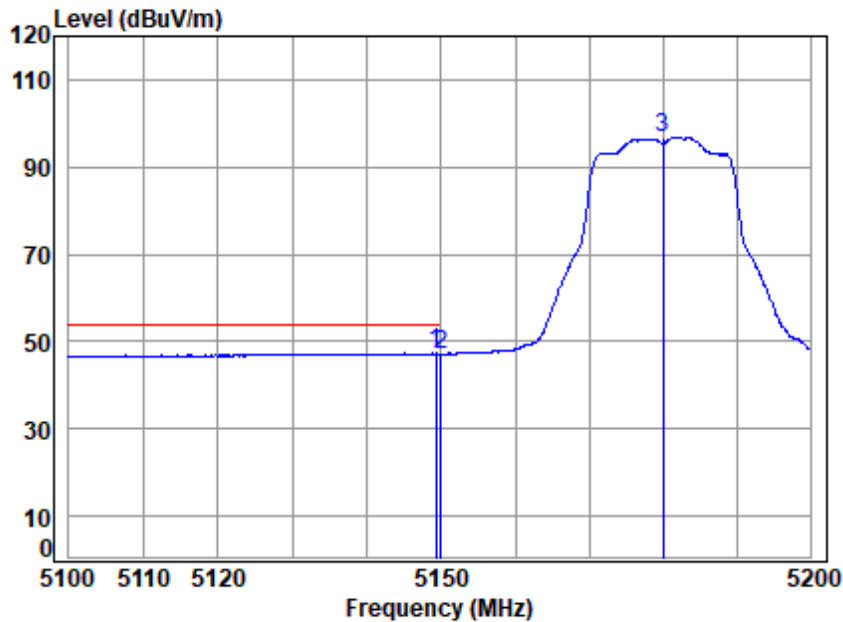


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5142.862	7.56	34.32	42.32	60.46	60.02	74.00	-13.98 peak
2 5149.980	7.57	34.32	42.32	59.55	59.12	74.00	-14.88 peak
3 * 5180.000	7.63	34.35	42.32	108.76	108.42	68.20	40.22 peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



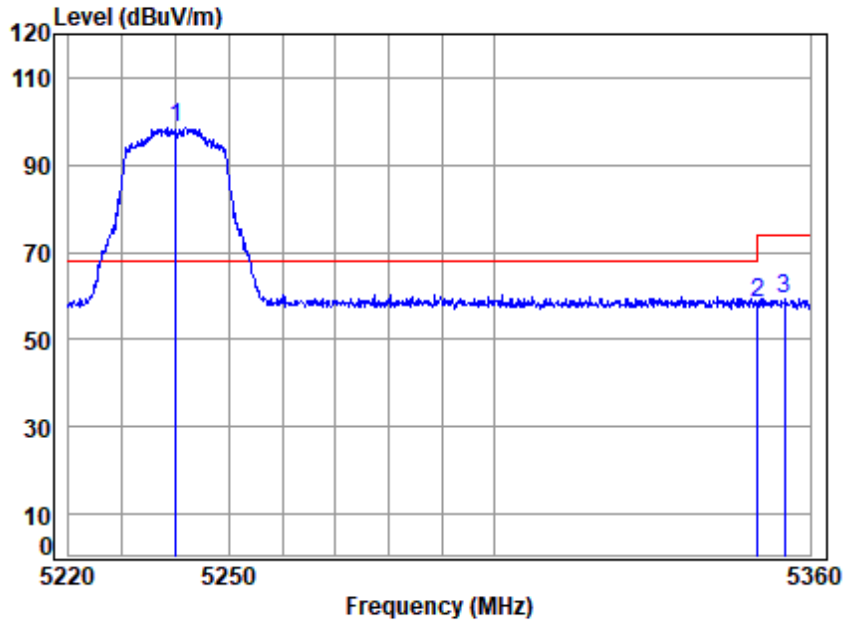
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5180 Band edge  
: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.257	7.57	34.32	42.32	47.68	47.25	54.00	-6.75 Average
2	5149.980	7.57	34.32	42.32	47.61	47.18	54.00	-6.82 Average
3	5180.000	7.63	34.35	42.32	97.11	96.77	-----	----- Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:High

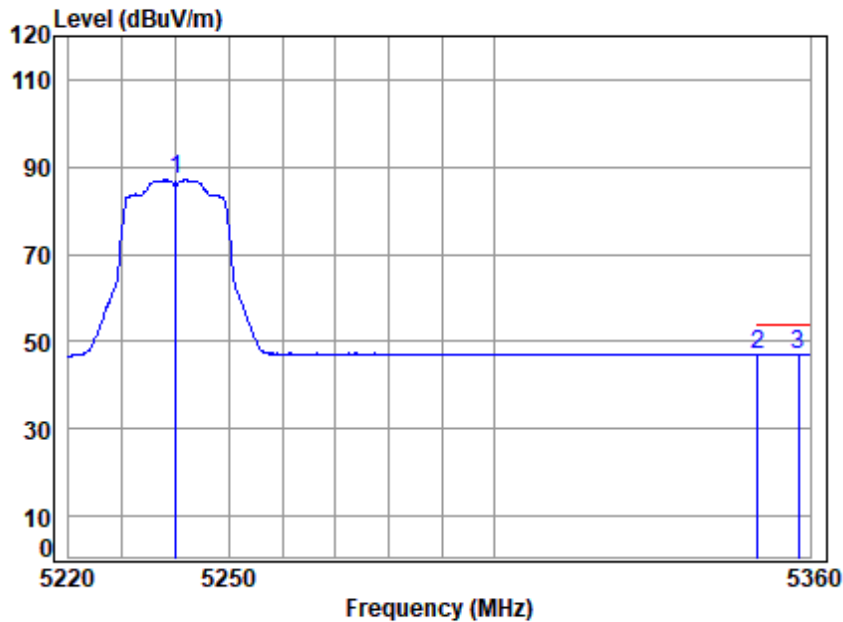


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5240.000	7.73	34.40	42.33	98.88	98.68	68.20	30.48	peak
2 5350.020	7.92	34.48	42.34	58.32	58.38	74.00	-15.62	peak
3 5355.179	7.93	34.49	42.34	59.14	59.22	74.00	-14.78	peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	87.27	87.07	-----	----- Average
2 5350.020	7.92	34.48	42.34	46.98	47.04	54.00	-6.96 Average
3 5357.873	7.94	34.49	42.34	47.04	47.13	54.00	-6.87 Average

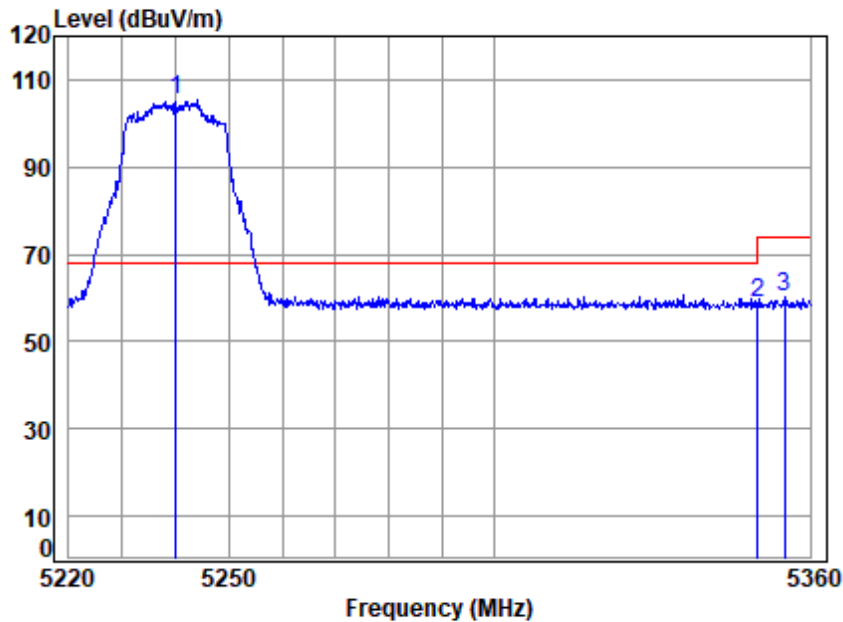


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High

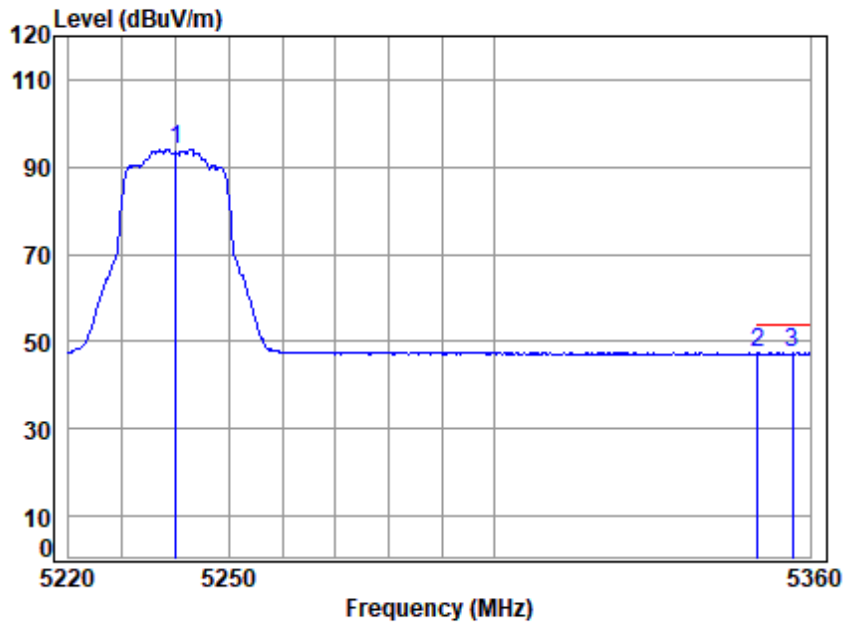


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	105.44	105.24	68.20	37.04 peak
2 5350.020	7.92	34.48	42.34	58.82	58.88	74.00	-15.12 peak
3 5355.037	7.93	34.49	42.34	60.34	60.42	74.00	-13.58 peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



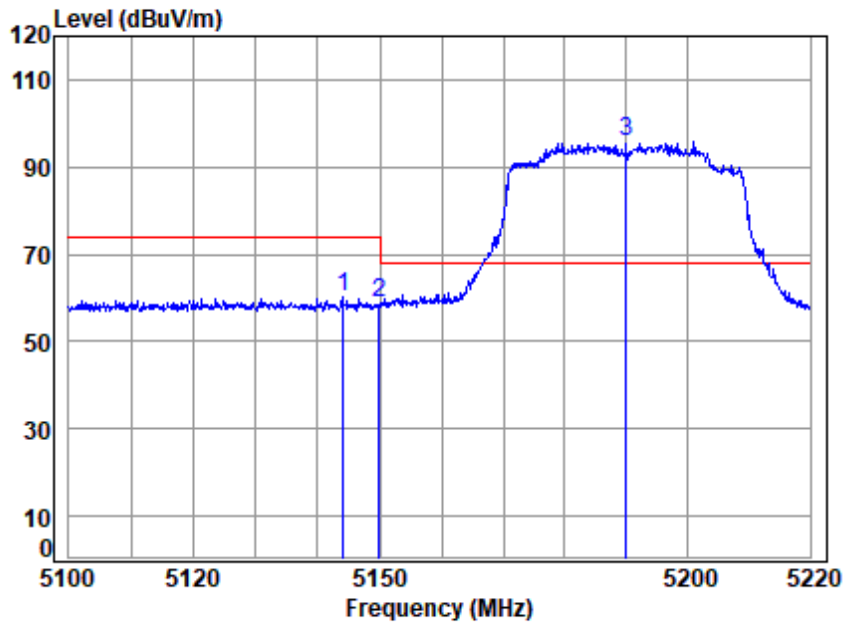
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5240 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	94.38	94.18	-----	-----
2 5350.020	7.92	34.48	42.34	47.23	47.29	54.00	-6.71
3 5356.596	7.94	34.49	42.34	47.22	47.31	54.00	-6.69





Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

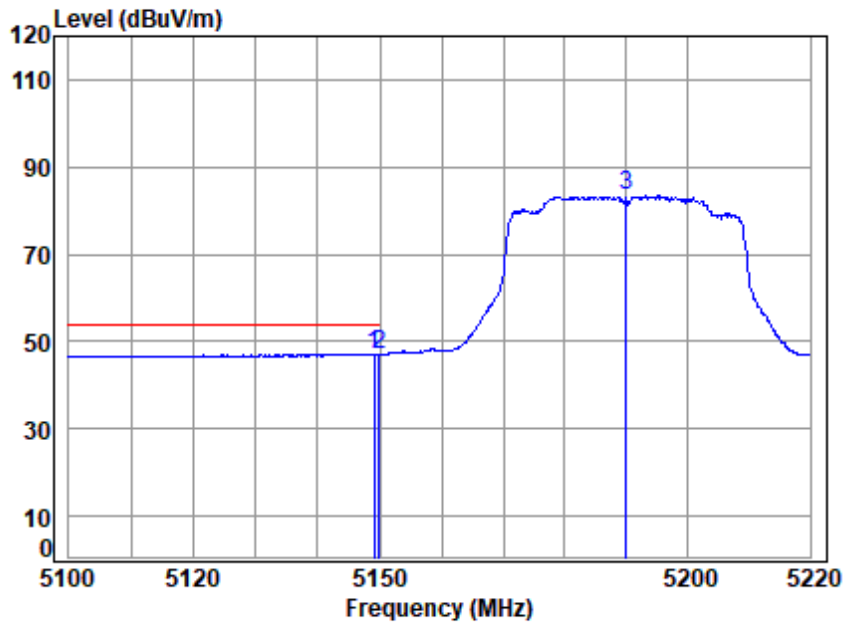


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5144.075	7.56	34.32	42.32	60.76	60.32	74.00	-13.68 peak
2 5149.980	7.57	34.32	42.32	59.10	58.67	74.00	-15.33 peak
3 * 5190.000	7.64	34.36	42.32	95.94	95.62	68.20	27.42 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

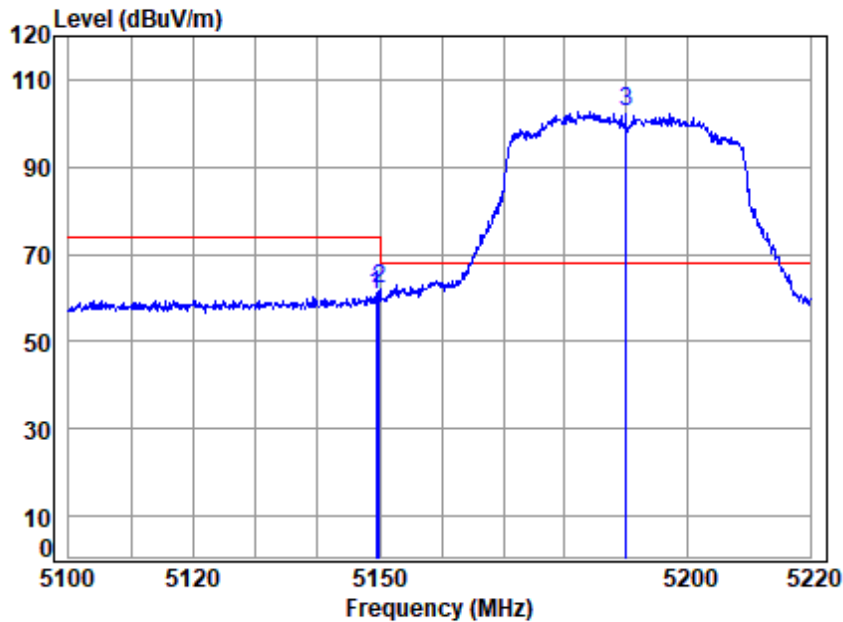


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.102	7.57	34.32	42.32	47.47	47.04	54.00	-6.96 Average
2	5149.980	7.57	34.32	42.32	47.48	47.05	54.00	-6.95 Average
3	5190.000	7.64	34.36	42.32	83.78	83.46	-----	----- Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

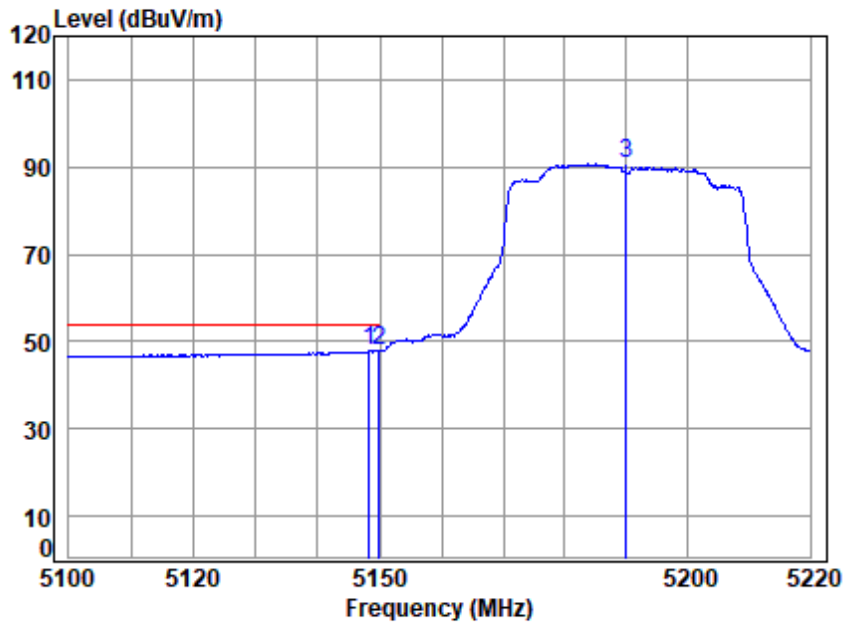


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.461	7.57	34.32	42.32	61.20	60.77	74.00	-13.23 peak
2	5149.980	7.57	34.32	42.32	62.33	61.90	74.00	-12.10 peak
3 *	5190.000	7.64	34.36	42.32	102.84	102.52	68.20	34.32 peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



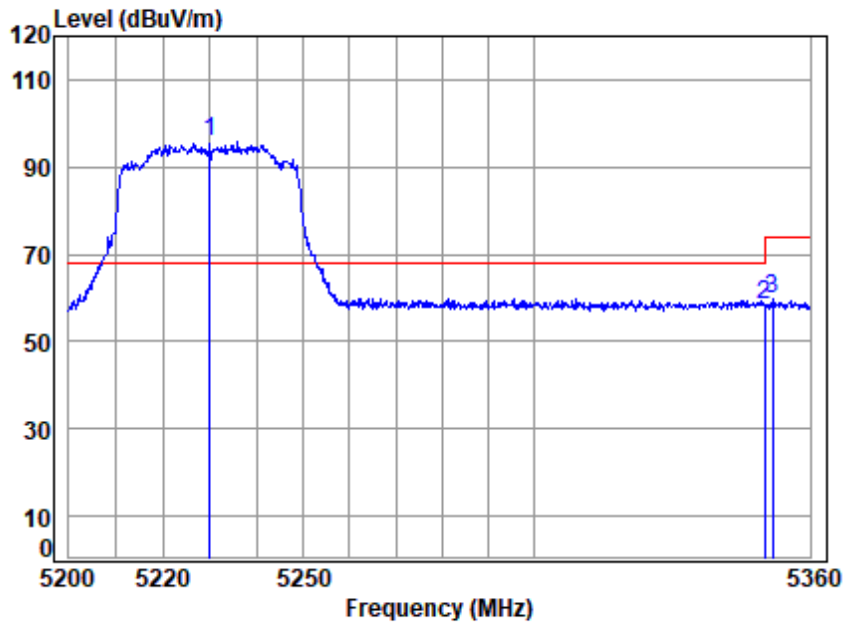
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5190 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5148.264	7.57	34.32	42.32	48.34	47.91	54.00	-6.09 Average
2 5149.980	7.57	34.32	42.32	48.41	47.98	54.00	-6.02 Average
3 5190.000	7.64	34.36	42.32	90.95	90.63	-----	----- Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	7.72	34.39	42.32	96.06	95.85	68.20	27.65 peak
2 5350.020	7.92	34.48	42.34	58.51	58.57	74.00	-15.43 peak
3 5351.722	7.93	34.49	42.34	59.66	59.74	74.00	-14.26 peak

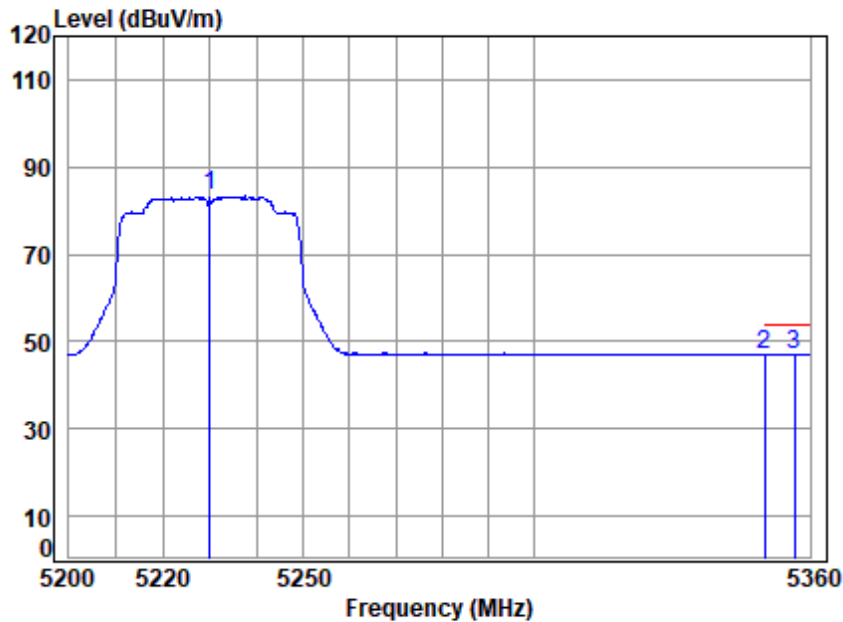


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	7.72	34.39	42.32	83.48	83.27	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.03	47.09	54.00	-6.91 Average
3	5356.590	7.94	34.49	42.34	47.10	47.19	54.00	-6.81 Average

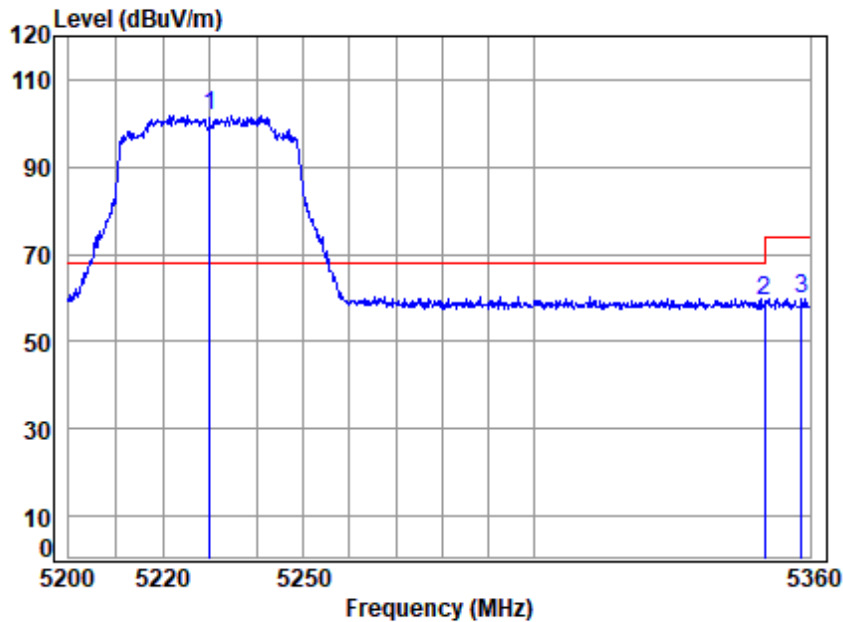


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

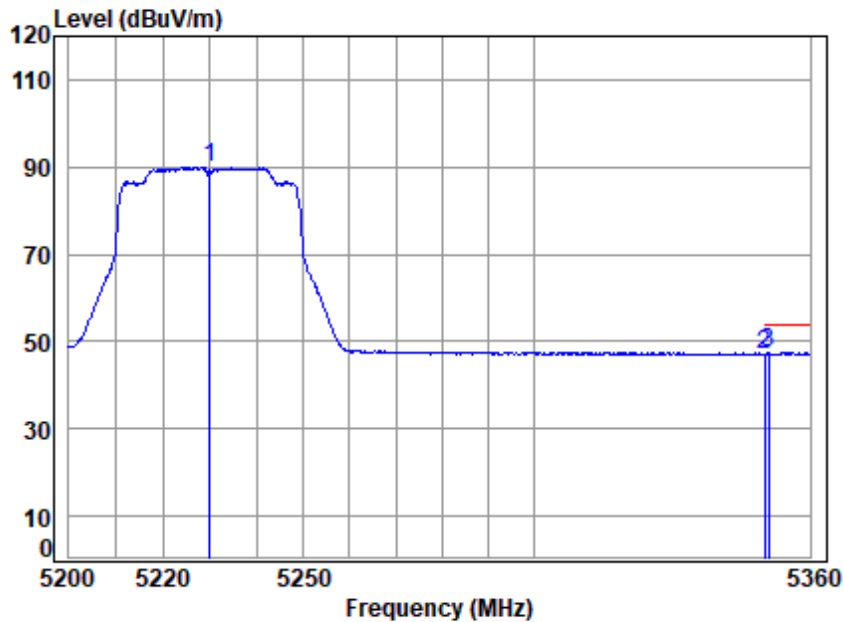


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5230.000	7.72	34.39	42.32	102.15	101.94	68.20	33.74	peak
2 5350.020	7.92	34.48	42.34	59.16	59.22	74.00	-14.78	peak
3 5358.051	7.94	34.49	42.34	59.84	59.93	74.00	-14.07	peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High



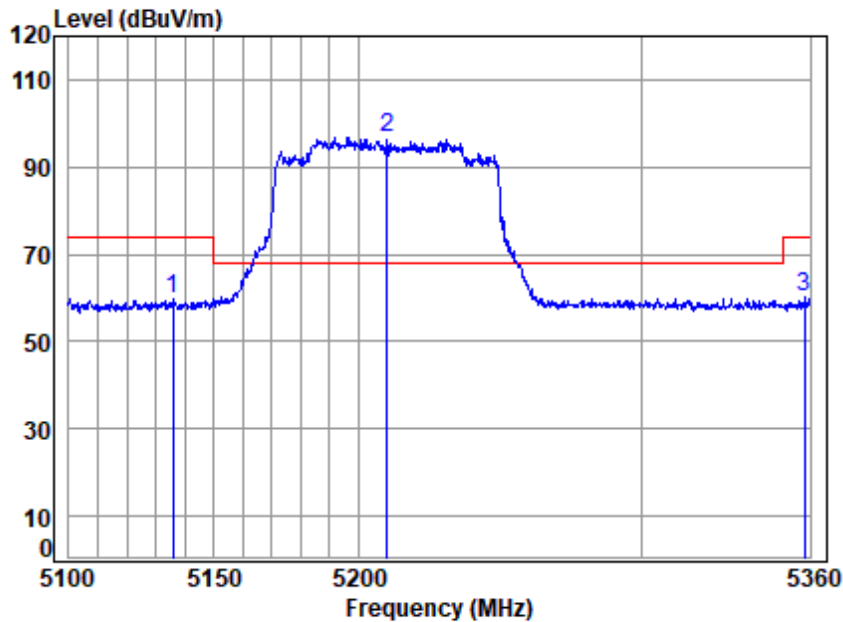
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5230 Band edge  
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	7.72	34.39	42.32	90.23	90.02	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.11	47.17	54.00	-6.83 Average
3	5350.911	7.93	34.48	42.34	47.26	47.33	54.00	-6.67 Average





Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle

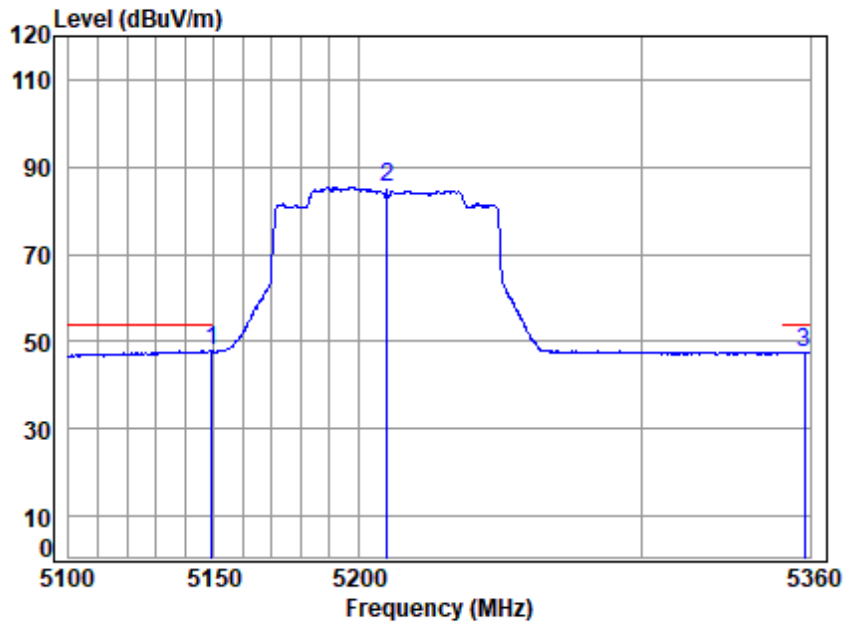


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5210 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5135.626	7.55	34.31	42.31	60.25	59.80	74.00	-14.20 peak
2 * 5210.000	7.68	34.37	42.32	96.98	96.71	68.20	28.51 peak
3 5357.868	7.94	34.49	42.34	60.04	60.13	74.00	-13.87 peak



Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle

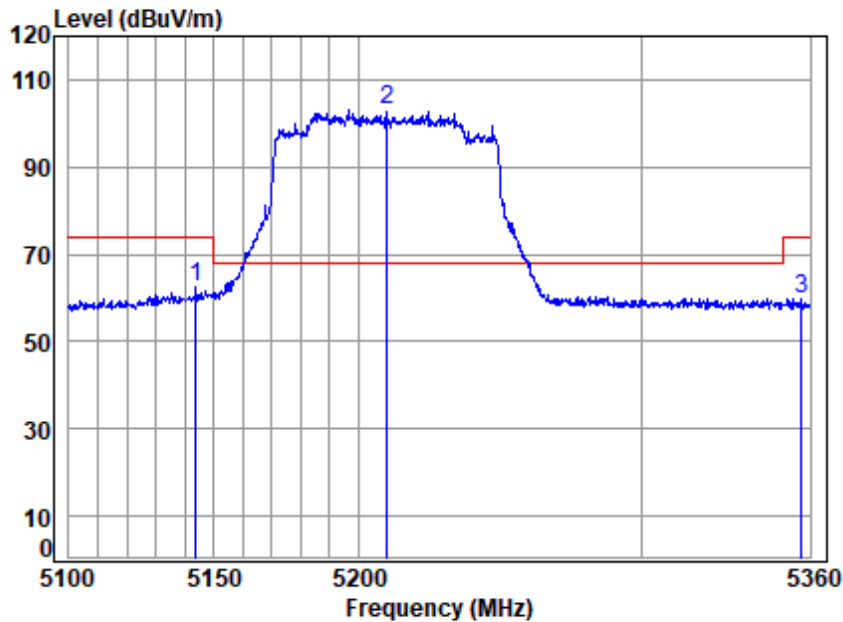


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5210 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5149.178	7.57	34.32	42.32	48.29	47.86	54.00	-6.14
2 5210.000	7.68	34.37	42.32	85.72	85.45	-----	-----
3 5358.135	7.94	34.49	42.34	47.52	47.61	54.00	-6.39
							Average



Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle

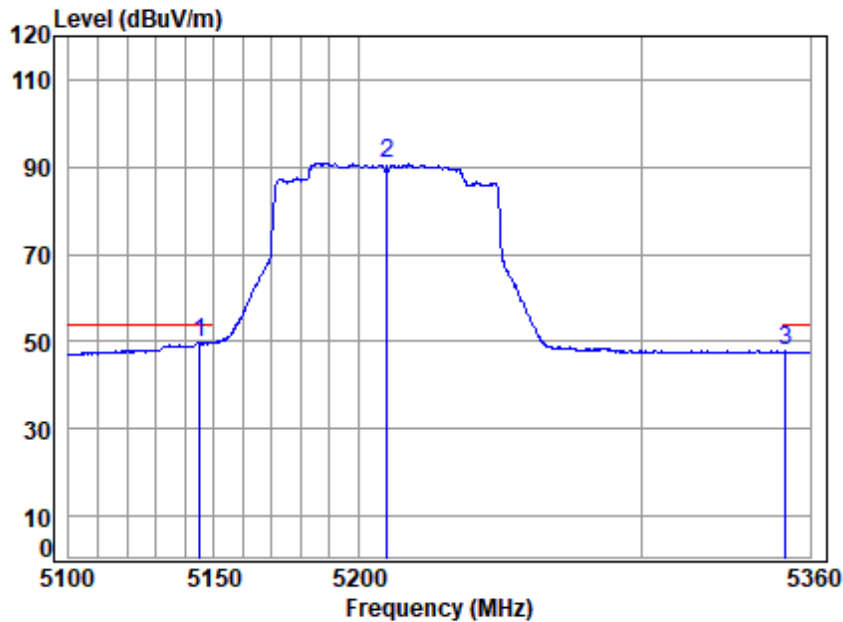


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5210 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5143.805	7.56	34.32	42.32	62.73	62.29	74.00	-11.71 peak
2 * 5210.000	7.68	34.37	42.32	103.29	103.02	68.20	34.82 peak
3 5356.803	7.94	34.49	42.34	59.74	59.83	74.00	-14.17 peak



Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



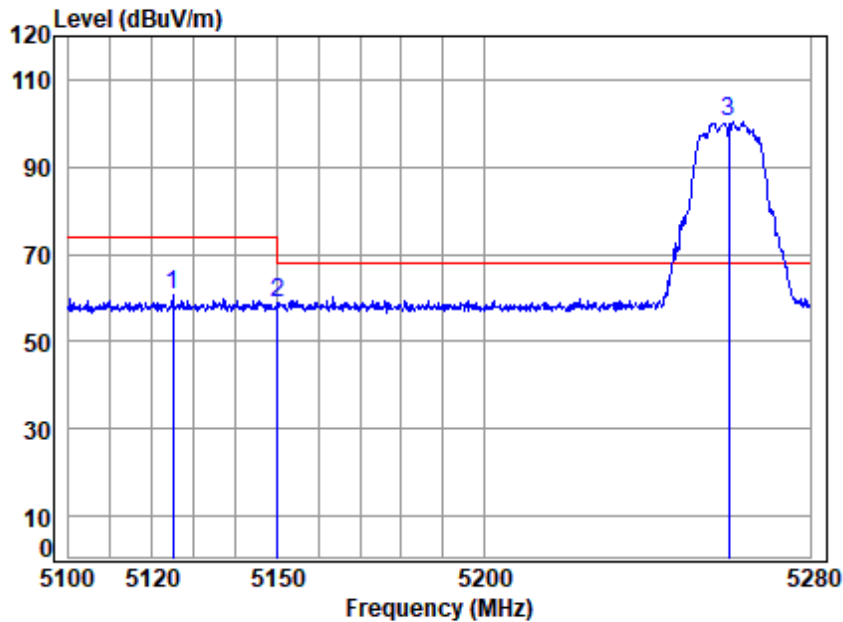
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5210 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5145.083	7.56	34.32	42.32	50.24	49.80	54.00	-4.20 Average
2 5210.000	7.68	34.37	42.32	91.11	90.84	54.00	36.84 Average
3 5351.212	7.93	34.48	42.34	47.65	47.72	54.00	-6.28 Average





Test Mode: 23; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

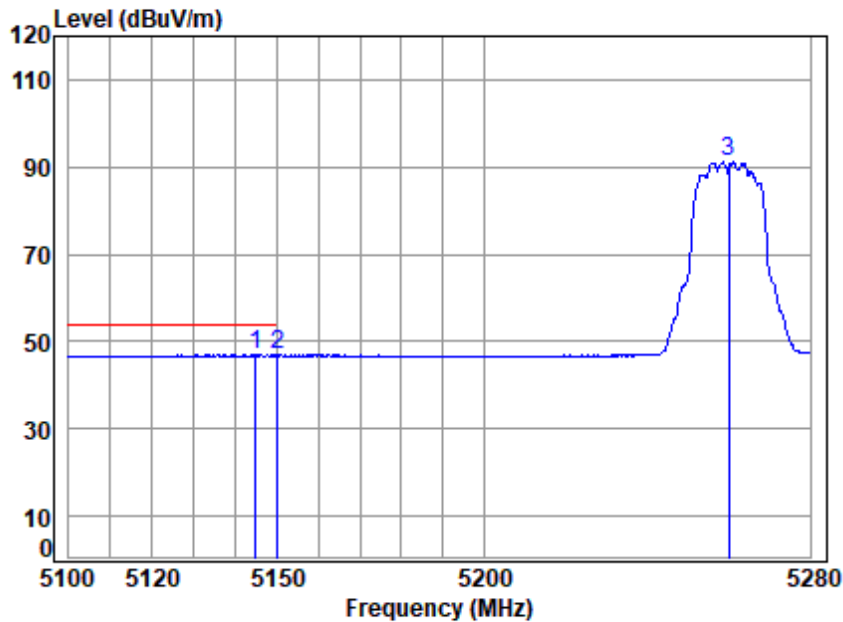


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5124.826	7.53	34.30	42.31	61.21	60.73	74.00	-13.27 peak
2 5149.980	7.57	34.32	42.32	59.21	58.78	74.00	-15.22 peak
3 * 5260.000	7.77	34.41	42.33	100.36	100.21	68.20	32.01 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

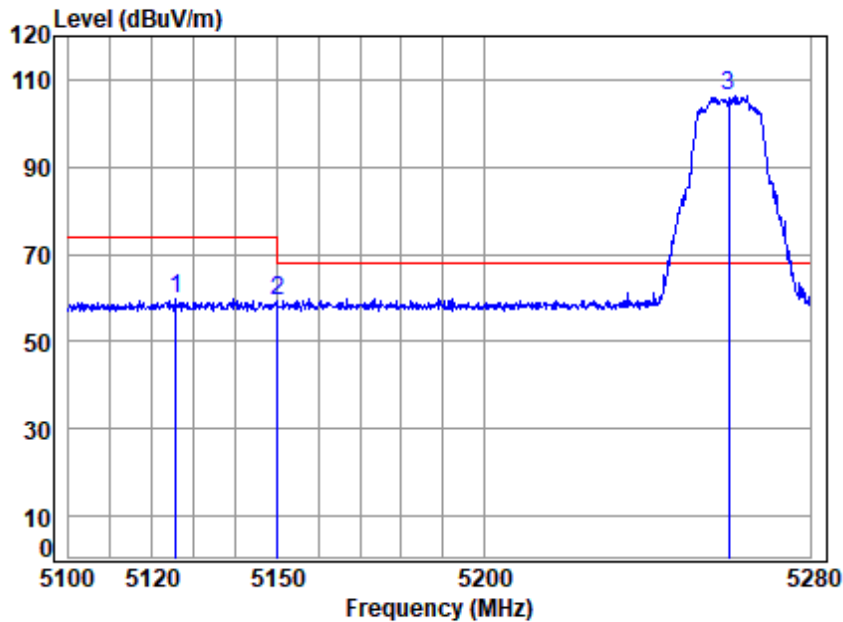


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.773	7.56	34.32	42.32	47.31	46.87	54.00	-7.13 Average
2	5149.980	7.57	34.32	42.32	47.24	46.81	54.00	-7.19 Average
3	5260.000	7.77	34.41	42.33	91.24	91.09	-----	----- Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

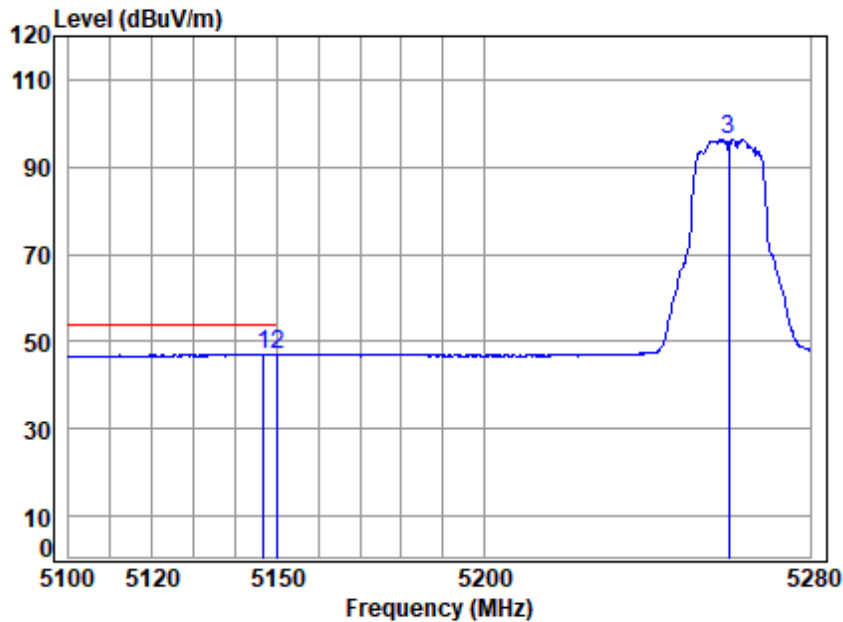


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5125.537	7.53	34.30	42.31	60.21	59.73	74.00	-14.27 peak
2 5149.980	7.57	34.32	42.32	59.62	59.19	74.00	-14.81 peak
3 * 5260.000	7.77	34.41	42.33	106.32	106.17	68.20	37.97 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



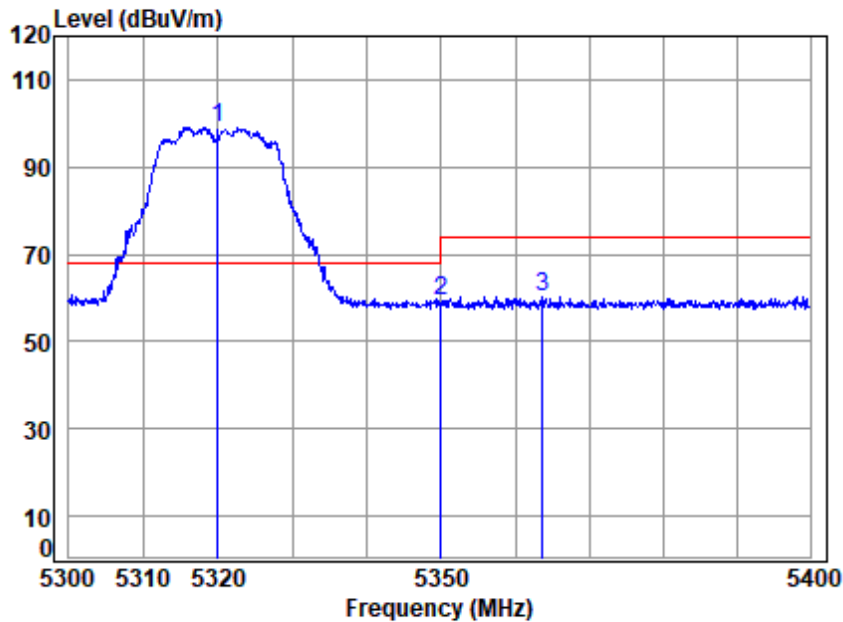
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.737	7.57	34.32	42.32	47.44	47.01	54.00	-6.99 Average
2	5149.980	7.57	34.32	42.32	47.46	47.03	54.00	-6.97 Average
3	5260.000	7.77	34.41	42.33	96.60	96.45	-----	----- Average





Test Mode: 23; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

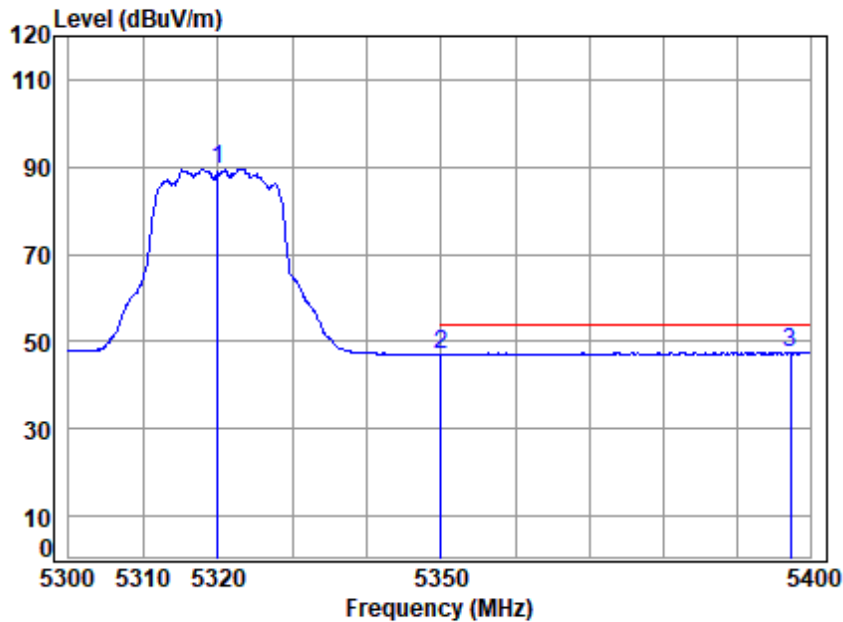


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	99.21	99.21	68.20	31.01 peak
2 5350.020	7.92	34.48	42.34	59.21	59.27	74.00	-14.73 peak
3 5363.684	7.95	34.49	42.34	60.30	60.40	74.00	-13.60 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

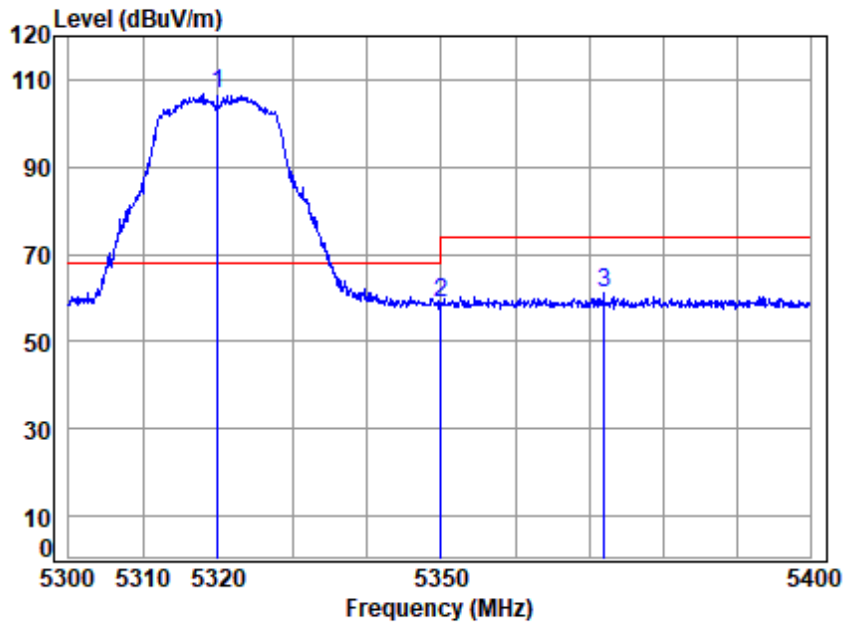


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	7.87	34.46	42.33	89.65	89.65	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.11	47.17	54.00	-6.83 Average
3	5397.275	8.01	34.52	42.34	47.21	47.40	54.00	-6.60 Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

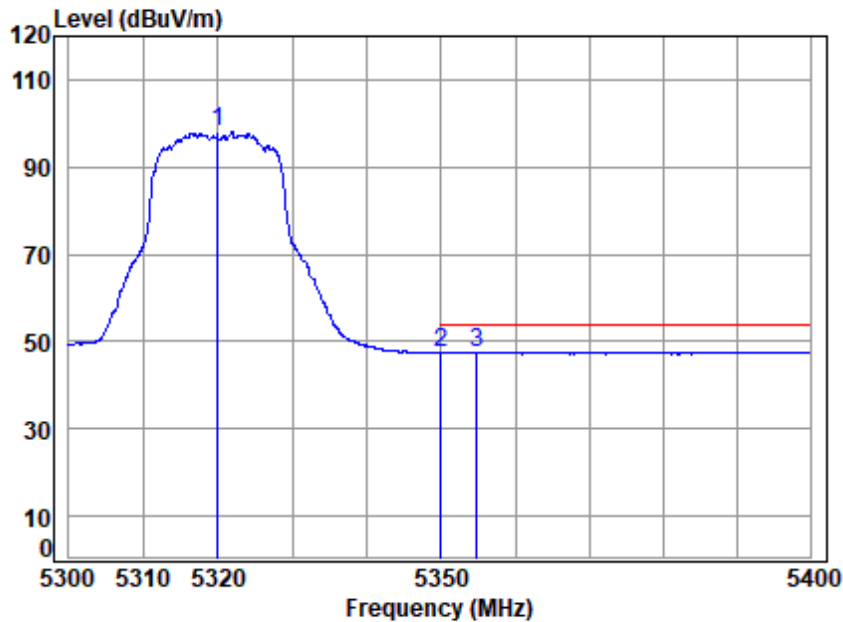


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	106.57	106.57	68.20	38.37 peak
2 5350.020	7.92	34.48	42.34	58.72	58.78	74.00	-15.22 peak
3 5372.012	7.96	34.50	42.34	60.82	60.94	74.00	-13.06 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



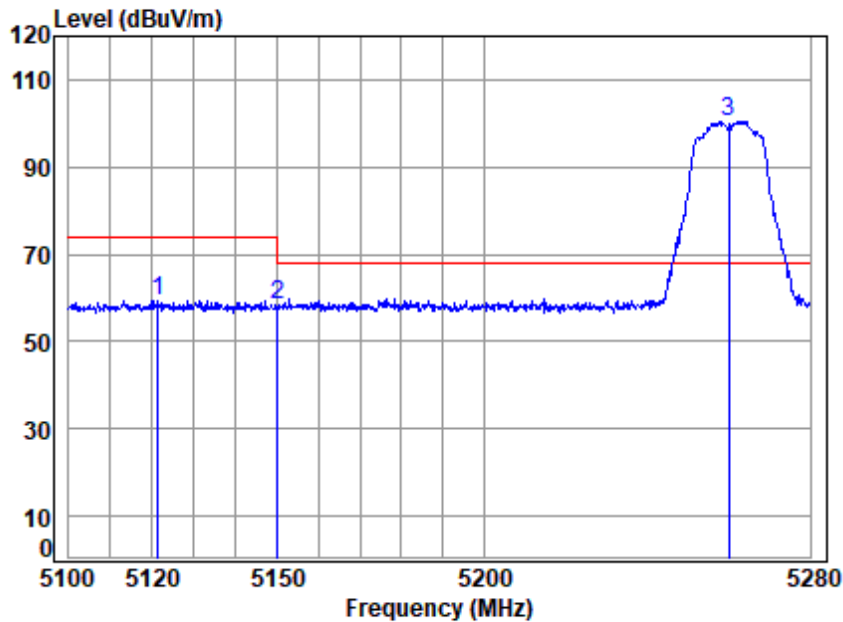
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5320.000	7.87	34.46	42.33	98.03	98.03	-----	-----
2 5350.020	7.92	34.48	42.34	47.43	47.49	54.00	-6.51
3 5354.769	7.93	34.49	42.34	47.59	47.67	54.00	-6.33





Test Mode: 23; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

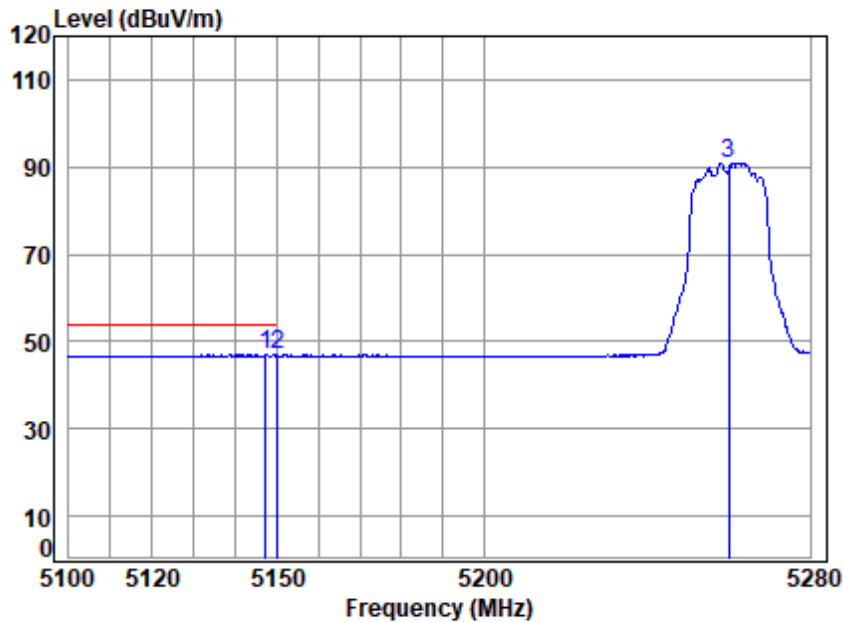


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5121.272	7.52	34.30	42.31	60.00	59.51	74.00	-14.49 peak
2 5149.980	7.57	34.32	42.32	58.76	58.33	74.00	-15.67 peak
3 * 5260.000	7.77	34.41	42.33	100.71	100.56	68.20	32.36 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

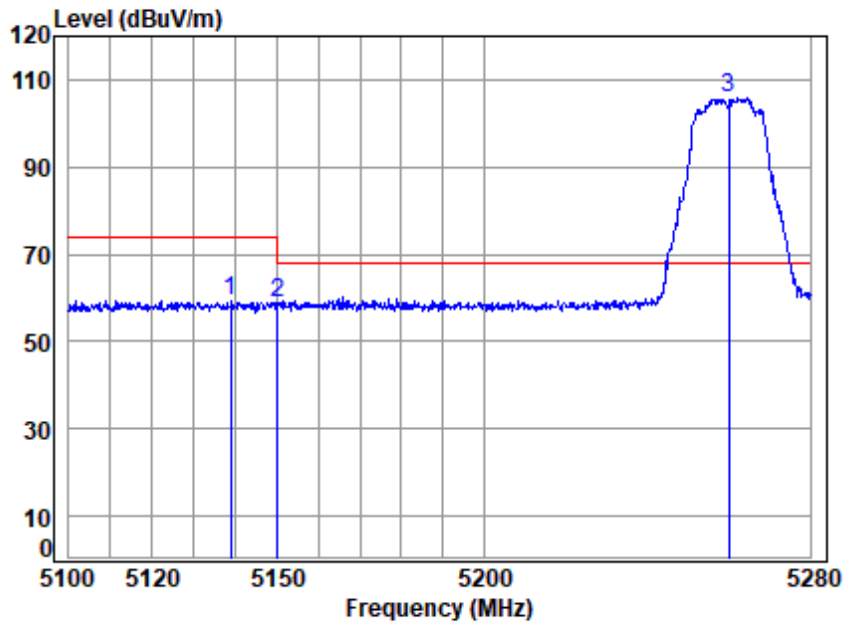


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.272	7.57	34.32	42.32	47.30	46.87	54.00	-7.13 Average
2	5149.980	7.57	34.32	42.32	47.22	46.79	54.00	-7.21 Average
3	5260.000	7.77	34.41	42.33	91.03	90.88	-----	----- Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

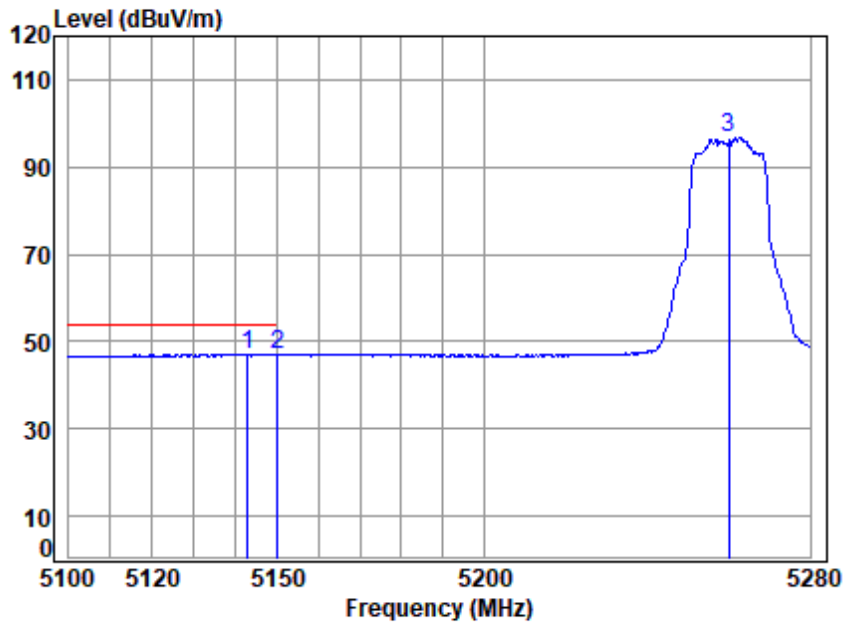


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5138.888	7.55	34.31	42.32	59.94	59.48	74.00	-14.52 peak
2	5149.980	7.57	34.32	42.32	59.24	58.81	74.00	-15.19 peak
3 *	5260.000	7.77	34.41	42.33	106.13	105.98	68.20	37.78 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



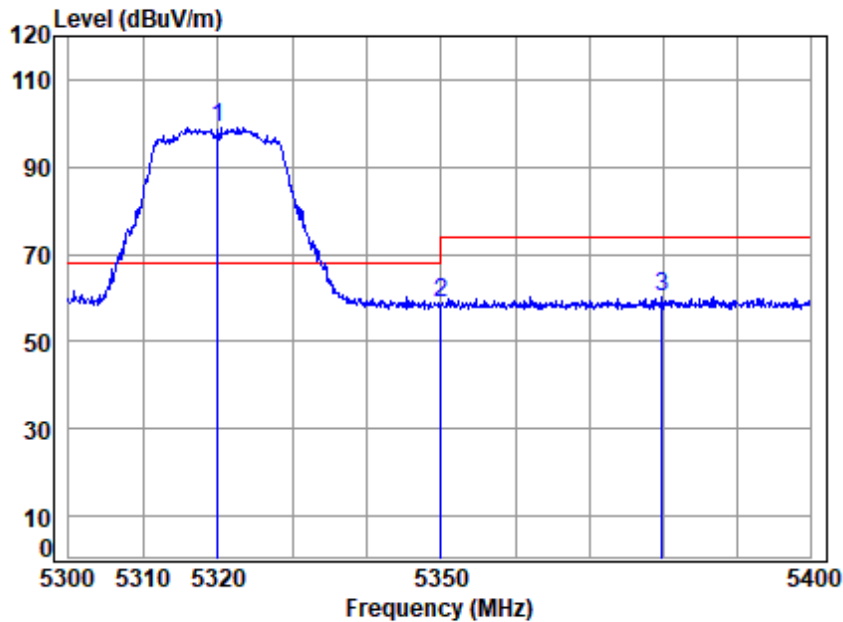
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5142.989	7.56	34.32	42.32	47.51	47.07	54.00	-6.93 Average
2	5149.980	7.57	34.32	42.32	47.44	47.01	54.00	-6.99 Average
3	5260.000	7.77	34.41	42.33	96.93	96.78	-----	----- Average





Test Mode: 23; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

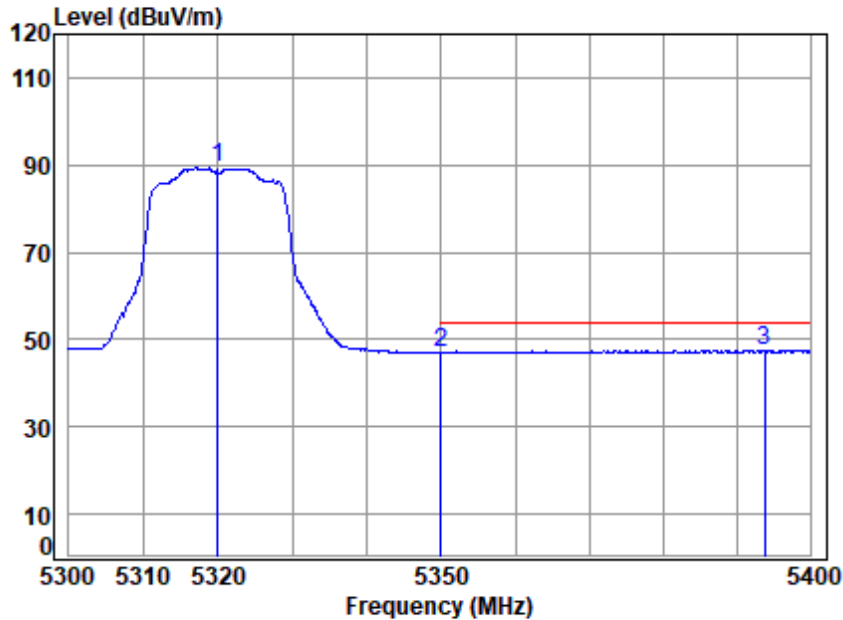


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5320.000	7.87	34.46	42.33	99.16	99.16	68.20	30.96	peak
2 5350.020	7.92	34.48	42.34	58.65	58.71	74.00	-15.29	peak
3 5379.850	7.98	34.51	42.34	60.15	60.30	74.00	-13.70	peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

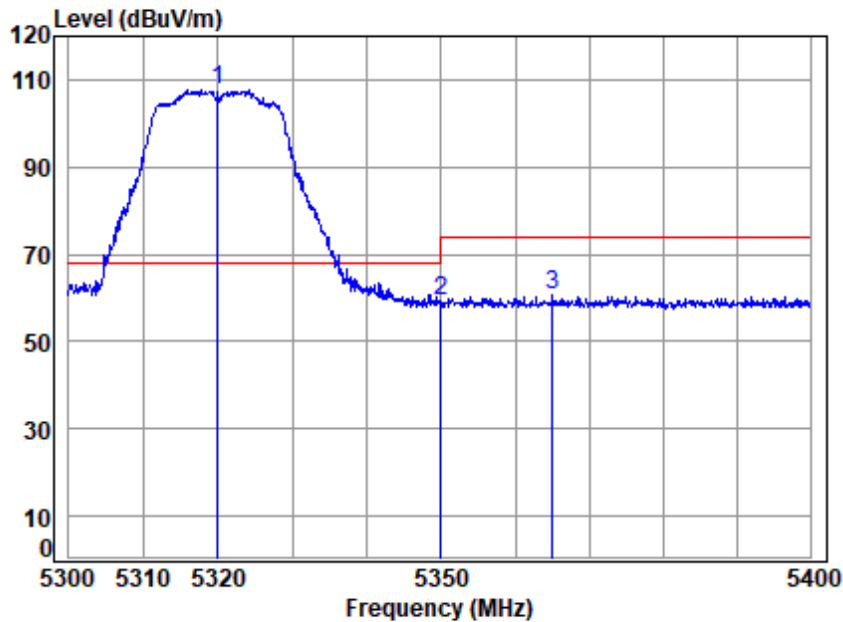


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5320.000	7.87	34.46	42.33	89.35	89.35	-----	----- Average
2 5350.020	7.92	34.48	42.34	47.08	47.14	54.00	-6.86 Average
3 5393.846	8.00	34.52	42.34	47.22	47.40	54.00	-6.60 Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

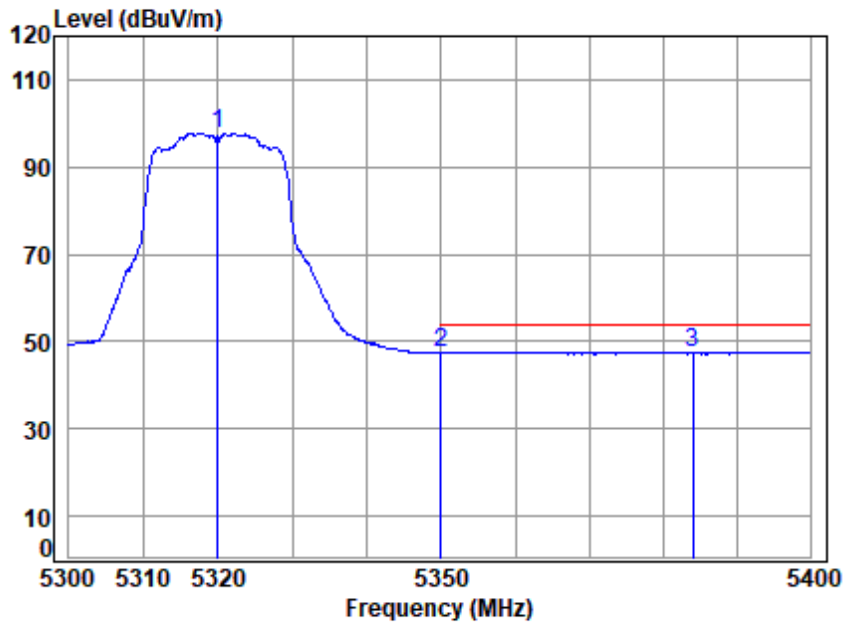


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5320.000	7.87	34.46	42.33	107.63	107.63	68.20	39.43	peak
2 5350.020	7.92	34.48	42.34	59.23	59.29	74.00	-14.71	peak
3 5365.088	7.95	34.50	42.34	60.56	60.67	74.00	-13.33	peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11N20

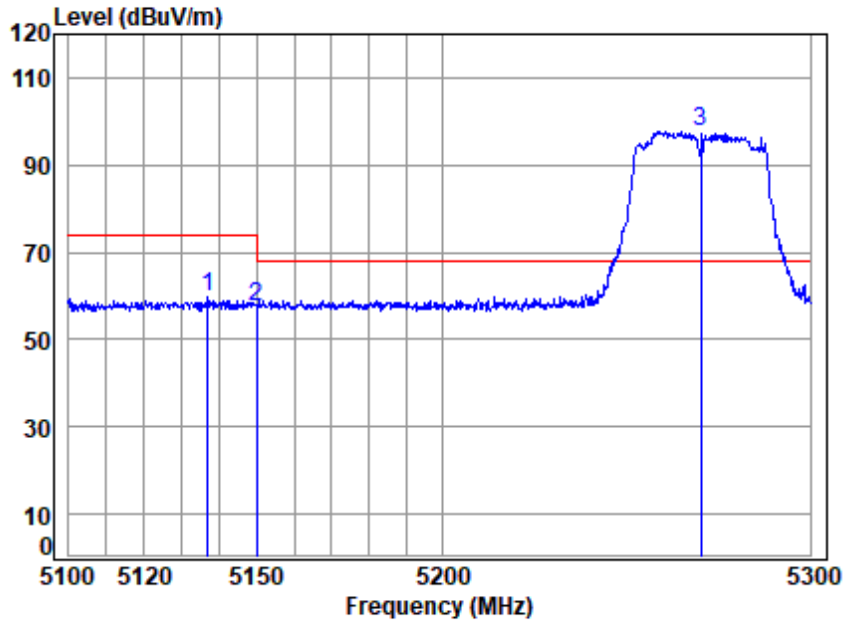
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5320.000	7.87	34.46	42.33	97.82	97.82	-----	-----
2 5350.020	7.92	34.48	42.34	47.47	47.53	54.00	-6.47
3 5384.075	7.98	34.51	42.34	47.37	47.52	54.00	-6.48



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Test Mode: 23; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

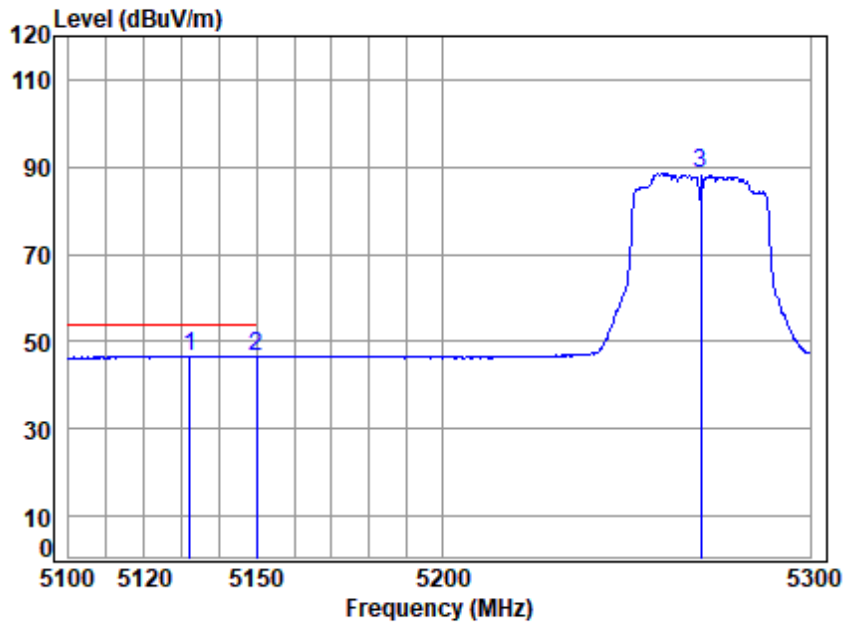


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5270 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5137.015	7.55	34.31	42.31	60.23	59.78	74.00	-14.22 peak
2 5149.980	7.57	34.32	42.32	58.10	57.67	74.00	-16.33 peak
3 * 5270.000	7.79	34.42	42.33	97.80	97.68	68.20	29.48 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

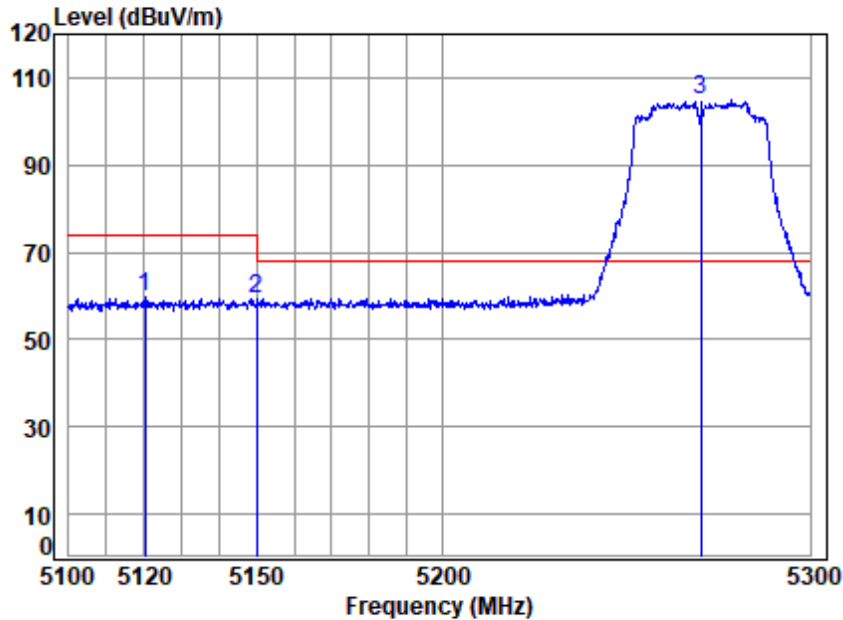


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5270 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5132.275	7.54	34.31	42.31	47.13	46.67	54.00	-7.33 Average
2	5149.980	7.57	34.32	42.32	47.00	46.57	54.00	-7.43 Average
3	5270.000	7.79	34.42	42.33	88.61	88.49	-----	----- Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

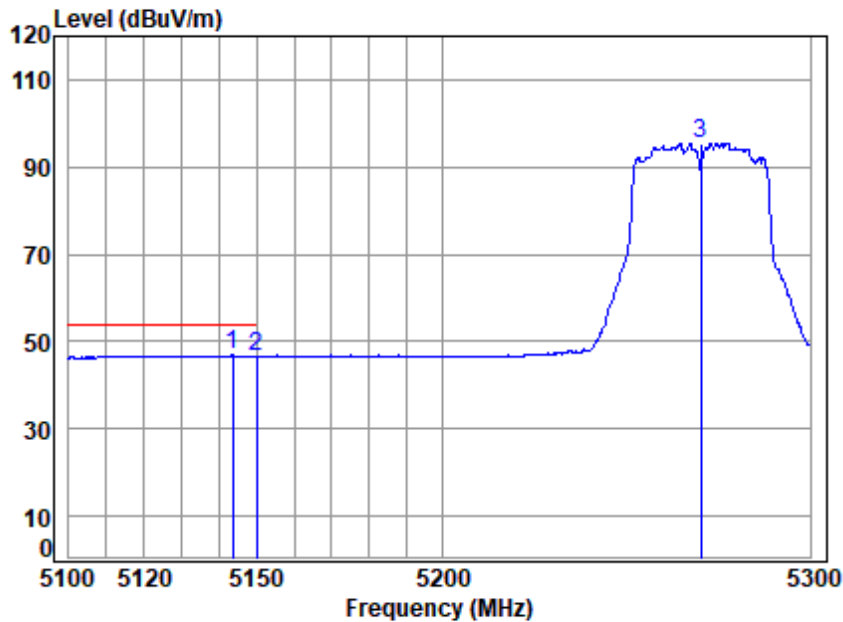


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5270 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5120.247	7.52	34.30	42.31	60.07	59.58	74.00	-14.42 peak
2	5149.980	7.57	34.32	42.32	59.56	59.13	74.00	-14.87 peak
3 *	5270.000	7.79	34.42	42.33	104.85	104.73	68.20	36.53 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



```
Site      : chamber
Condition: 3m VERTICAL
Job No    : 02179CR
Mode      : 5270 Band edge
           : 5G WIFI 11N40
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5143.540	7.56	34.32	42.32	47.33	46.89	54.00	-7.11	Average
2	5149.980	7.57	34.32	42.32	47.17	46.74	54.00	-7.26	Average
3	5270.000	7.79	34.42	42.33	95.58	95.46	-----	-----	Average



Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein solely reflects the Company's findings at the time of its intervention only and within the limits of its contractual obligations. Any third party's legal responsibility is not affected by the Company's intervention and is not subject to transfer from the holder to the Company. The Company's responsibility is limited to the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

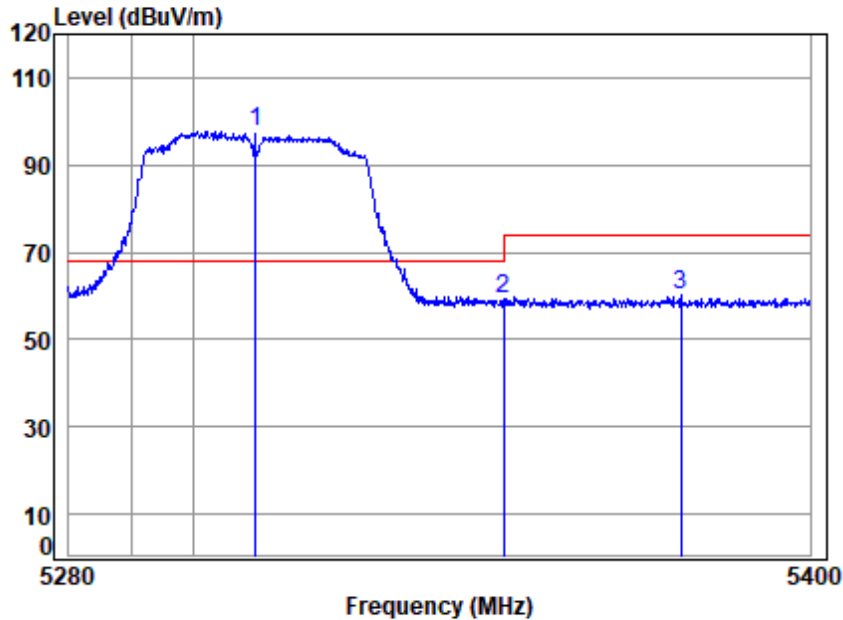
Attention is drawn to the fact that the results of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com).

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory.

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Test Mode: 23; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

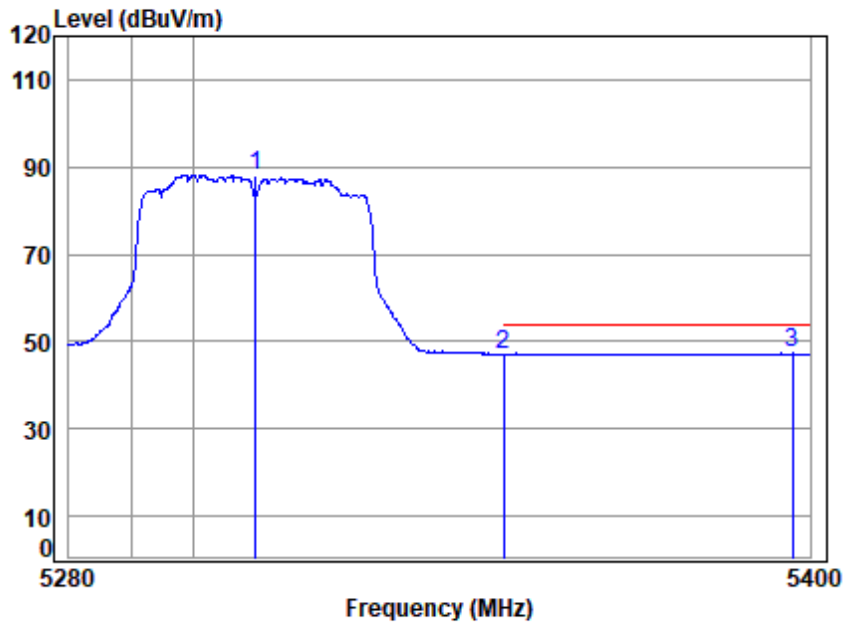


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	97.75	97.73	68.20	29.53 peak
2 5350.020	7.92	34.48	42.34	59.37	59.43	74.00	-14.57 peak
3 5378.926	7.97	34.51	42.34	59.96	60.10	74.00	-13.90 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

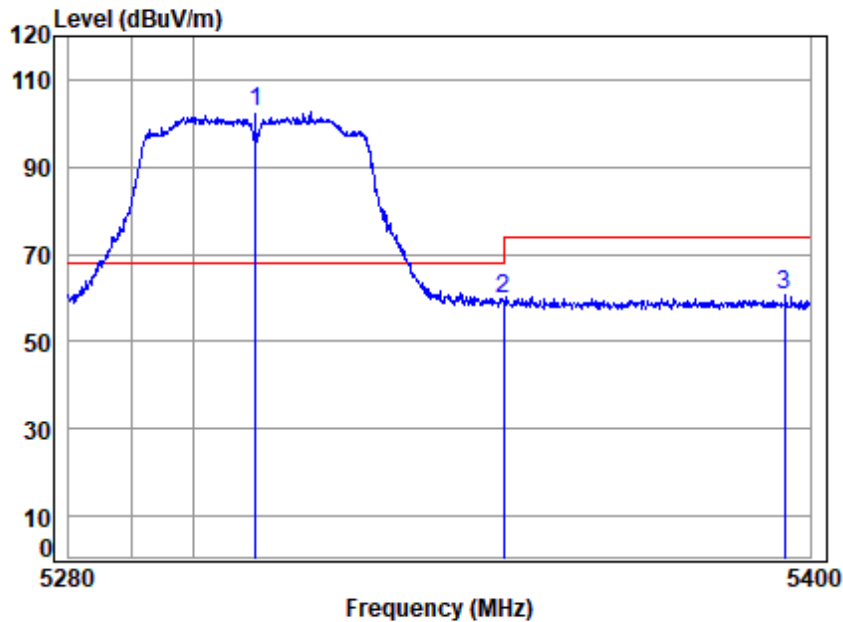


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	7.86	34.45	42.33	88.20	88.18	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.09	47.15	54.00	-6.85 Average
3	5397.209	8.01	34.52	42.34	47.07	47.26	54.00	-6.74 Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

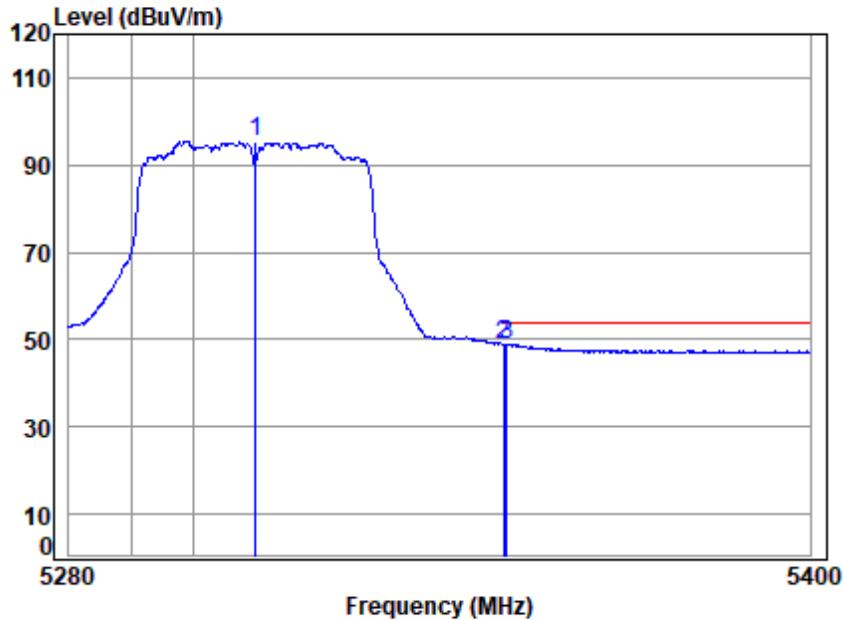


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	102.56	102.54	68.20	34.34 peak
2 5350.020	7.92	34.48	42.34	59.50	59.56	74.00	-14.44 peak
3 5395.875	8.00	34.52	42.34	60.44	60.62	74.00	-13.38 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

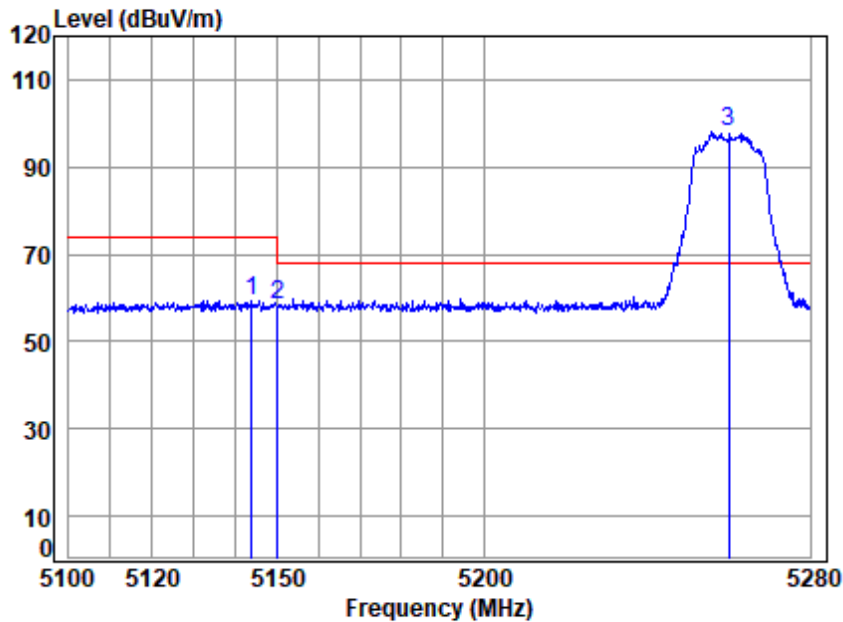


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	7.86	34.45	42.33	95.39	95.37	-----	----- Average
2	5350.020	7.92	34.48	42.34	48.95	49.01	54.00	-4.99 Average
3	5350.594	7.93	34.48	42.34	48.67	48.74	54.00	-5.26 Average



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



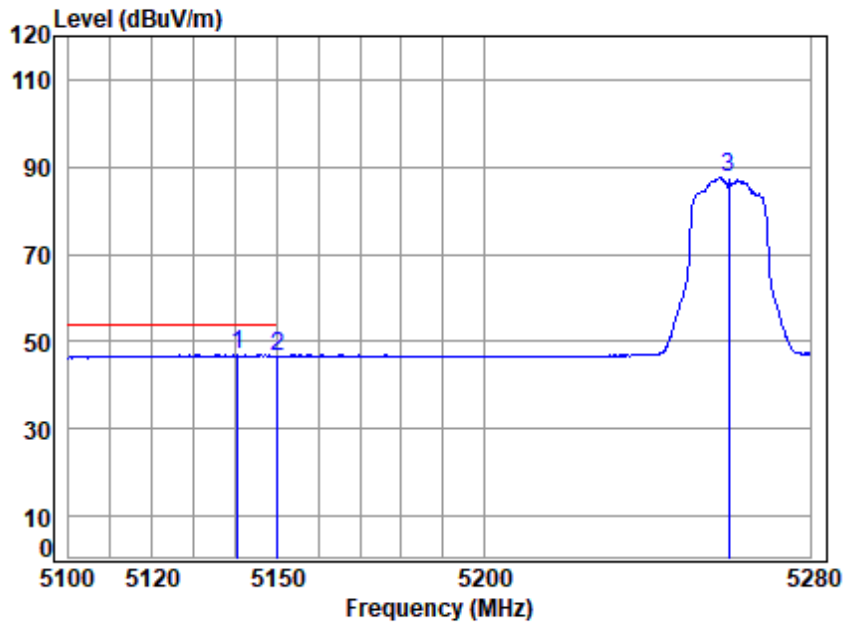
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5143.881	7.56	34.32	42.32	59.85	59.41	74.00	-14.59 peak
2 5149.980	7.57	34.32	42.32	58.82	58.39	74.00	-15.61 peak
3 * 5260.000	7.77	34.41	42.33	98.29	98.14	68.20	29.94 peak





Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

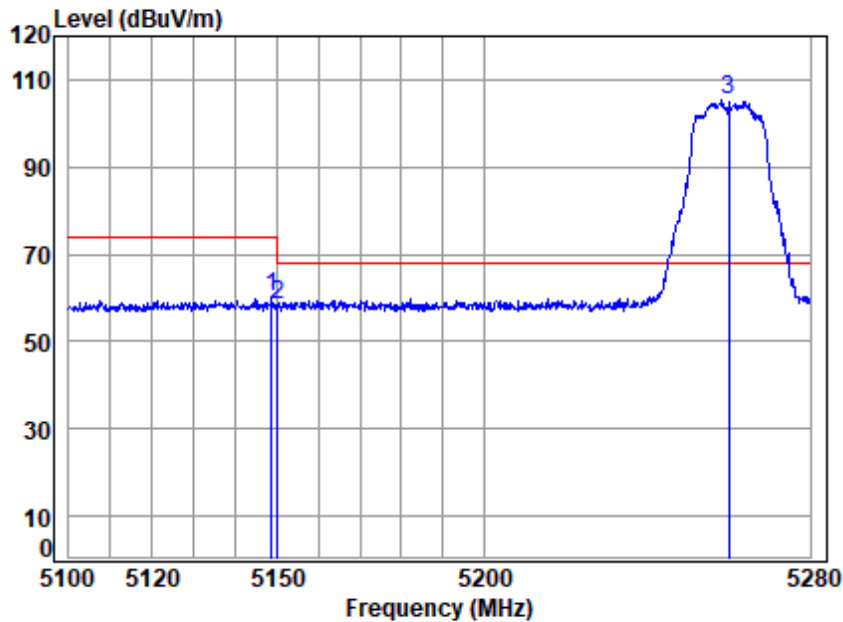


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5140.492	7.56	34.32	42.32	47.35	46.91	54.00	-7.09 Average
2	5149.980	7.57	34.32	42.32	47.18	46.75	54.00	-7.25 Average
3	5260.000	7.77	34.41	42.33	87.95	87.80	-----	----- Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

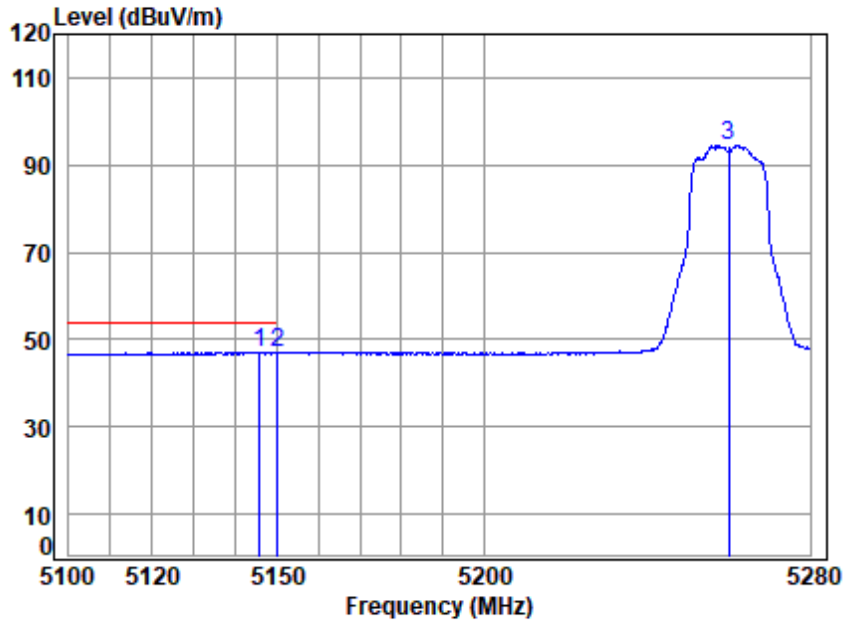


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5148.701	7.57	34.32	42.32	60.63	60.20	74.00	-13.80 peak
2 5149.980	7.57	34.32	42.32	58.65	58.22	74.00	-15.78 peak
3 * 5260.000	7.77	34.41	42.33	105.36	105.21	68.20	37.01 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

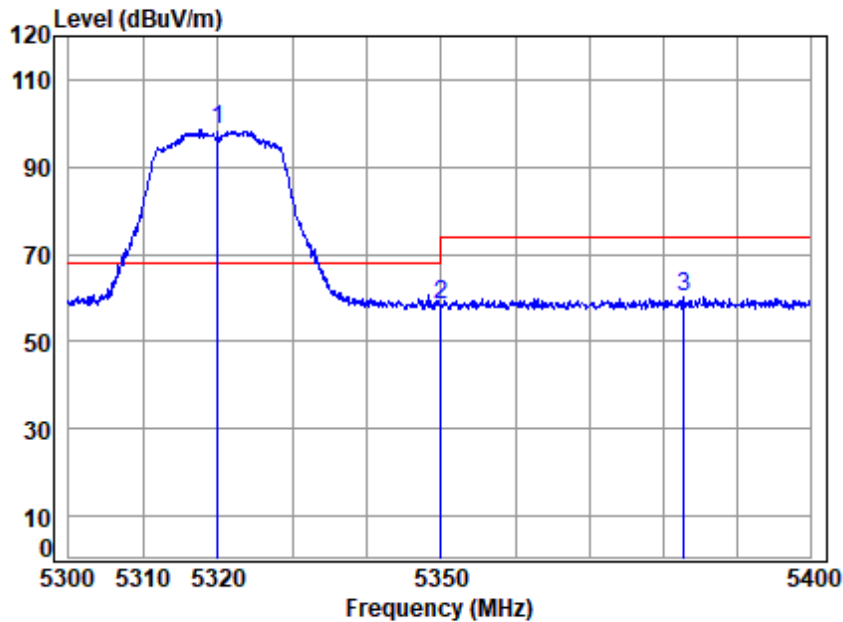


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.844	7.57	34.32	42.32	47.40	46.97	54.00	-7.03 Average
2	5149.980	7.57	34.32	42.32	47.30	46.87	54.00	-7.13 Average
3	5260.000	7.77	34.41	42.33	94.66	94.51	-----	----- Average



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

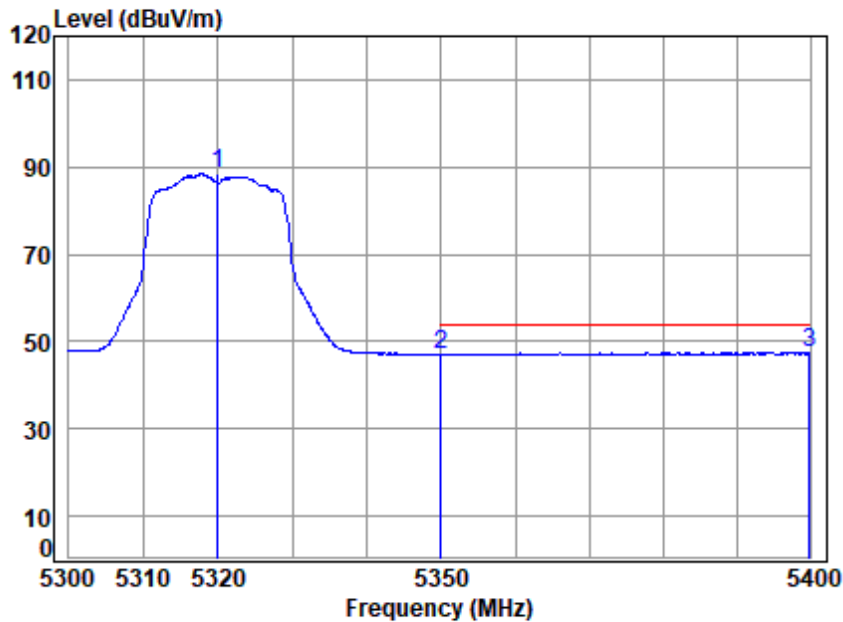


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	98.62	98.62	68.20	30.42 peak
2 5350.020	7.92	34.48	42.34	58.38	58.44	74.00	-15.56 peak
3 5382.868	7.98	34.51	42.34	60.06	60.21	74.00	-13.79 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	7.87	34.46	42.33	88.59	88.59	-----	----- Average
2	5350.020	7.92	34.48	42.34	46.99	47.05	54.00	-6.95 Average
3	5399.899	8.01	34.52	42.34	47.20	47.39	54.00	-6.61 Average



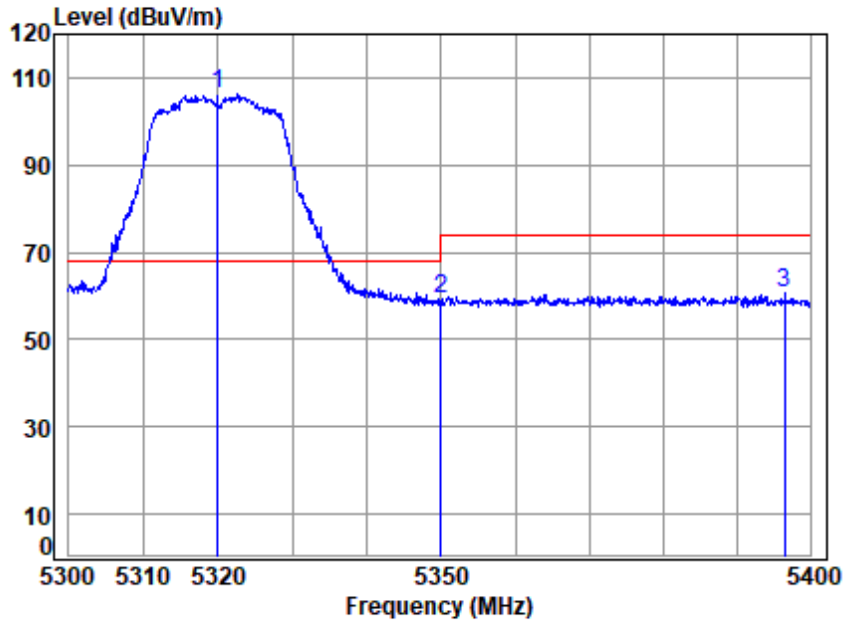
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

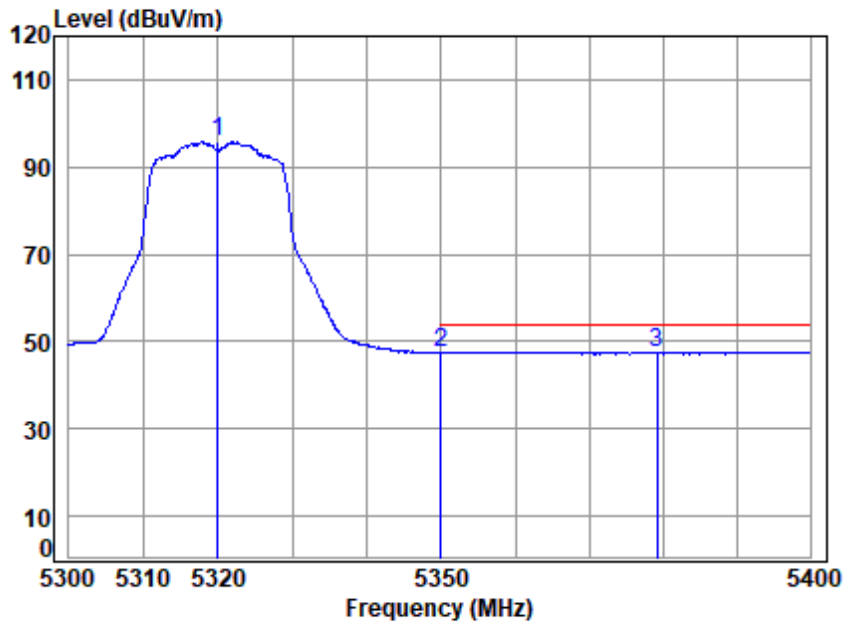


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5320.000	7.87	34.46	42.33	106.10	106.10	68.20	37.90	peak
2 5350.020	7.92	34.48	42.34	59.42	59.48	74.00	-14.52	peak
3 5396.569	8.00	34.52	42.34	60.64	60.82	74.00	-13.18	peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

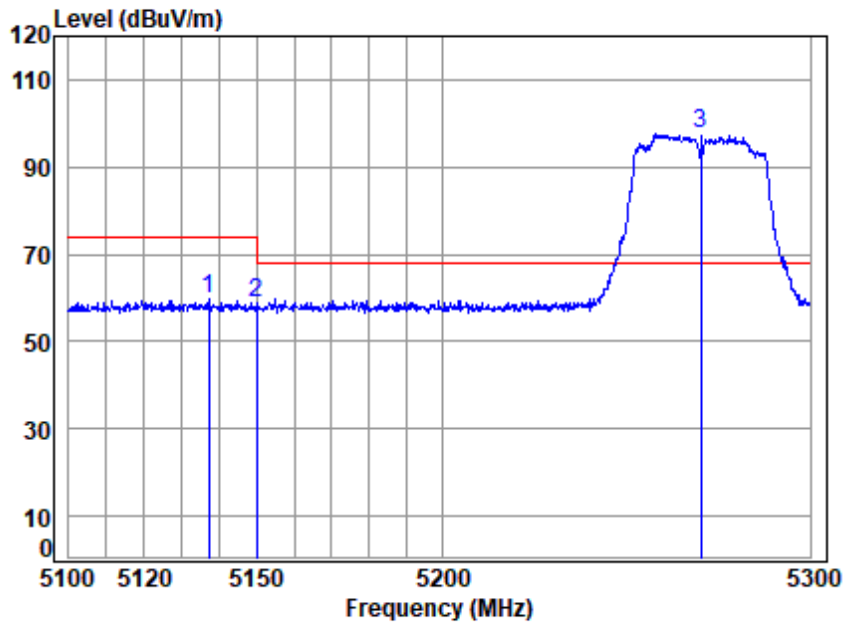


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	7.87	34.46	42.33	95.82	95.82	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.37	47.43	54.00	-6.57 Average
3	5379.247	7.98	34.51	42.34	47.40	47.55	54.00	-6.45 Average



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

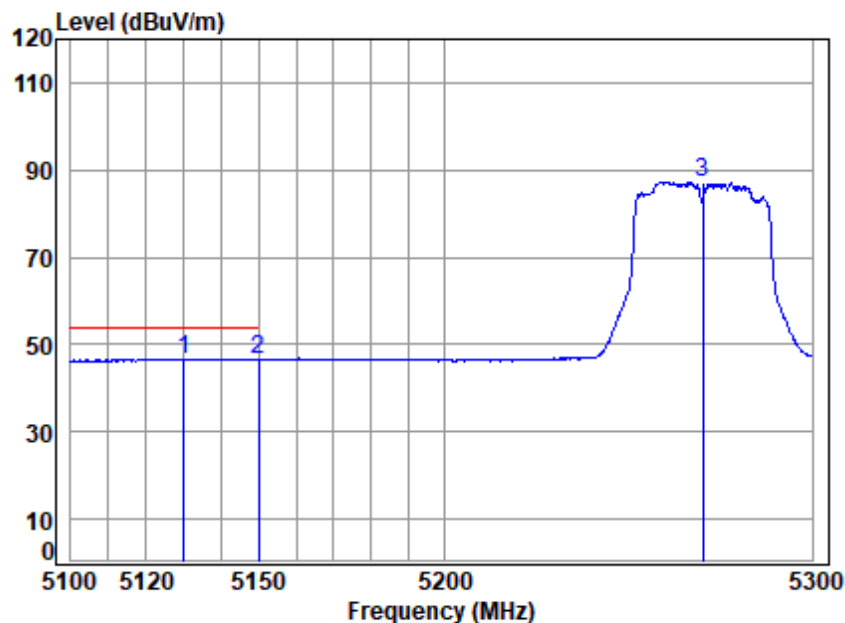


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5270 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5137.213	7.55	34.31	42.31	60.43	59.98	74.00	-14.02 peak
2 5149.980	7.57	34.32	42.32	59.32	58.89	74.00	-15.11 peak
3 * 5270.000	7.79	34.42	42.33	97.80	97.68	68.20	29.48 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 02179CR
Mode      : 5270 Band edge
          : 5G WIFI 11AC40
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5129.906	7.54	34.31	42.31	47.16	46.70	54.00	-7.30	Average
2	5149.980	7.57	34.32	42.32	47.01	46.58	54.00	-7.42	Average
3	5270.000	7.79	34.42	42.33	87.42	87.30	-----	-----	Average



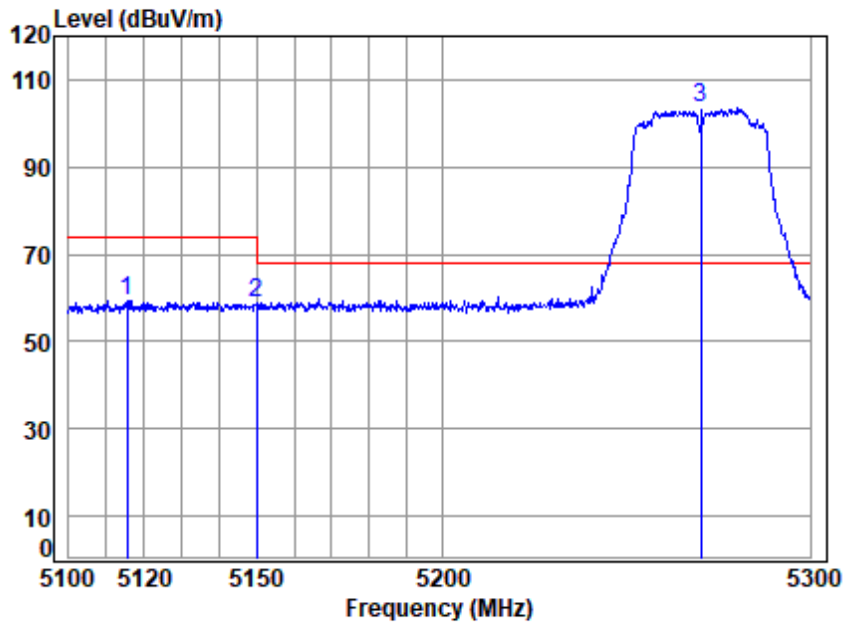
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed hereafter, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic formal documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a contract from their own responsibilities. The Company's intervention is limited to the analysis of the sample(s) submitted to it, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

For more information on the Company's policy of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443 or email: [CN.Rochester@sgs.com](mailto:CN.Rochester@sgs.com)

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center (E.C. Laboratory)

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgsc.china@sgs.com

Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



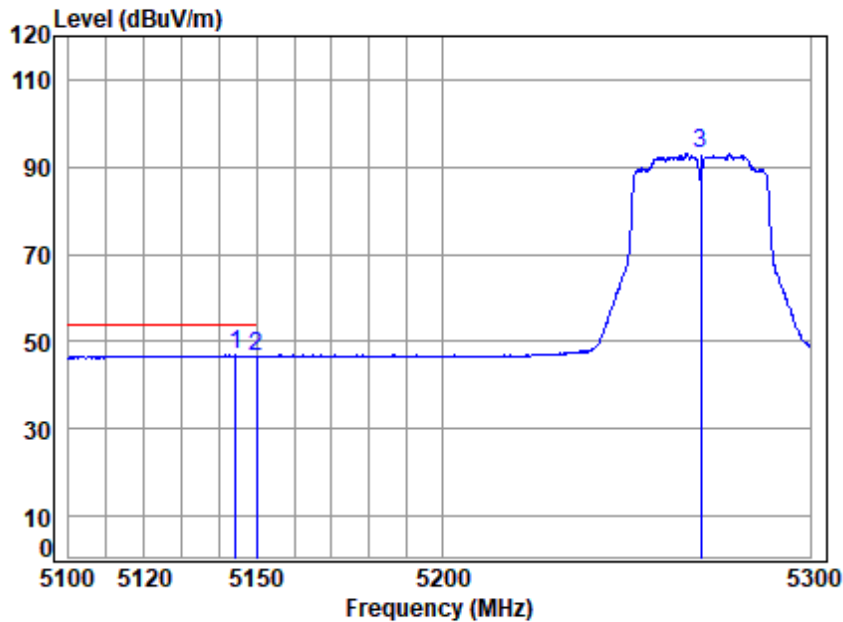
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5270 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5115.521	7.51	34.30	42.31	59.84	59.34	74.00	-14.66 peak
2 5149.980	7.57	34.32	42.32	59.09	58.66	74.00	-15.34 peak
3 * 5270.000	7.79	34.42	42.33	103.49	103.37	68.20	35.17 peak





Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

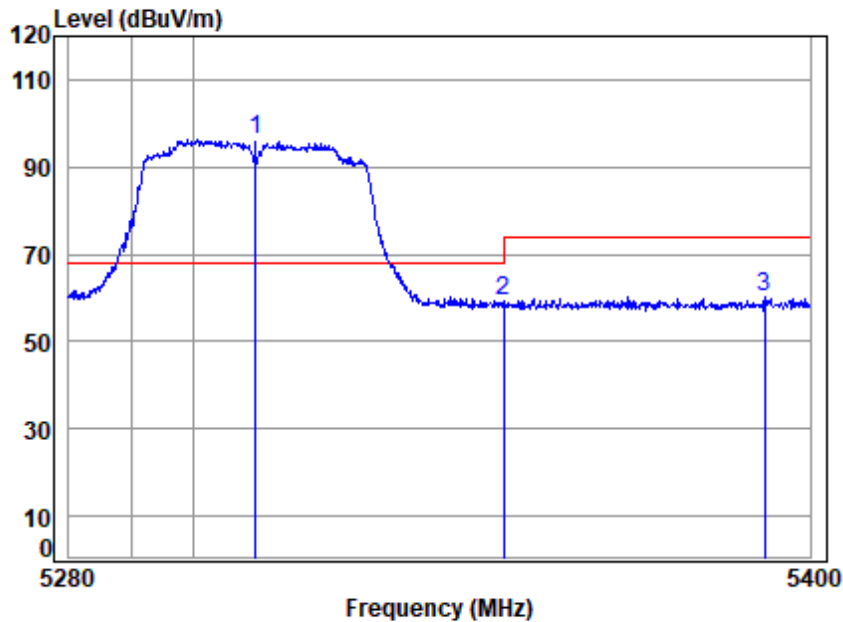


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5270 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.332	7.56	34.32	42.32	47.27	46.83	54.00	-7.17 Average
2	5149.980	7.57	34.32	42.32	47.19	46.76	54.00	-7.24 Average
3	5270.000	7.79	34.42	42.33	93.39	93.27	-----	----- Average



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

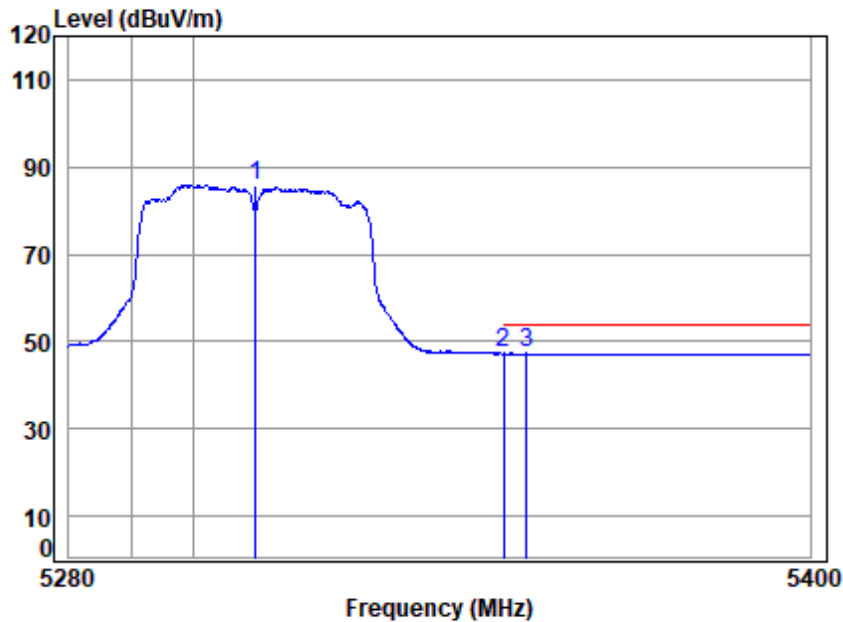


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	96.33	96.31	68.20	28.11 peak
2 5350.020	7.92	34.48	42.34	59.17	59.23	74.00	-14.77 peak
3 5392.603	8.00	34.52	42.34	59.93	60.11	74.00	-13.89 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

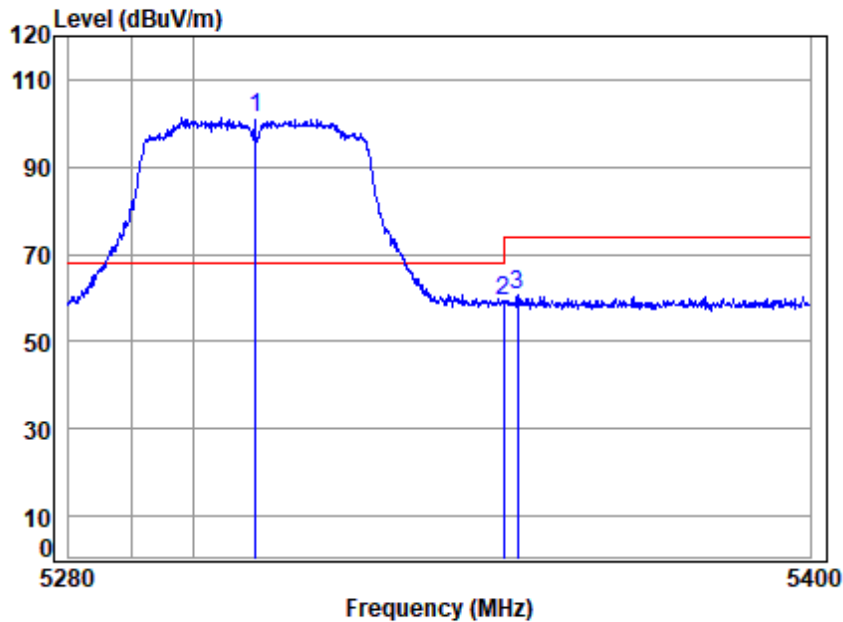


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	7.86	34.45	42.33	85.96	85.94	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.21	47.27	54.00	-6.73 Average
3	5353.721	7.93	34.49	42.34	47.18	47.26	54.00	-6.74 Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	101.47	101.45	68.20	33.25 peak
2 5350.020	7.92	34.48	42.34	59.24	59.30	74.00	-14.70 peak
3 5352.277	7.93	34.49	42.34	60.55	60.63	74.00	-13.37 peak

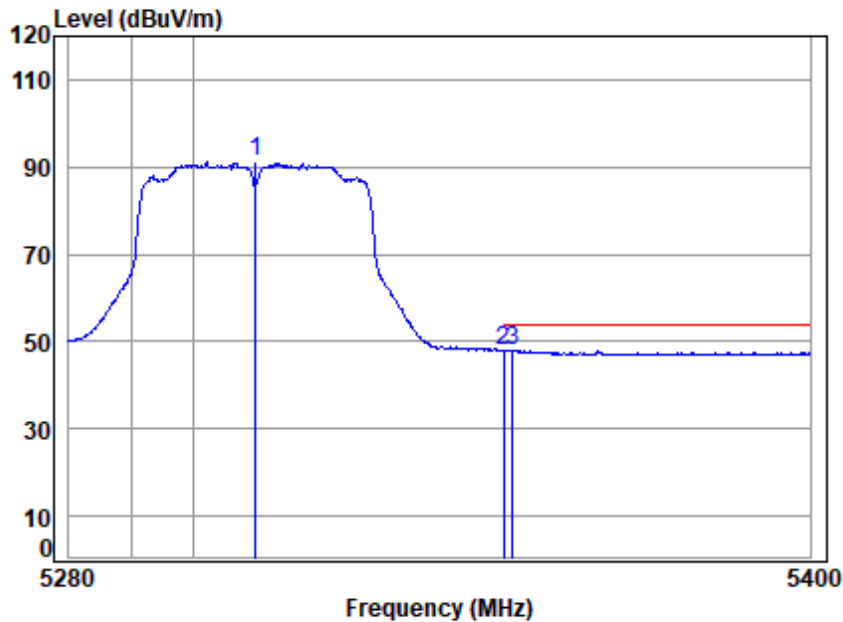


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



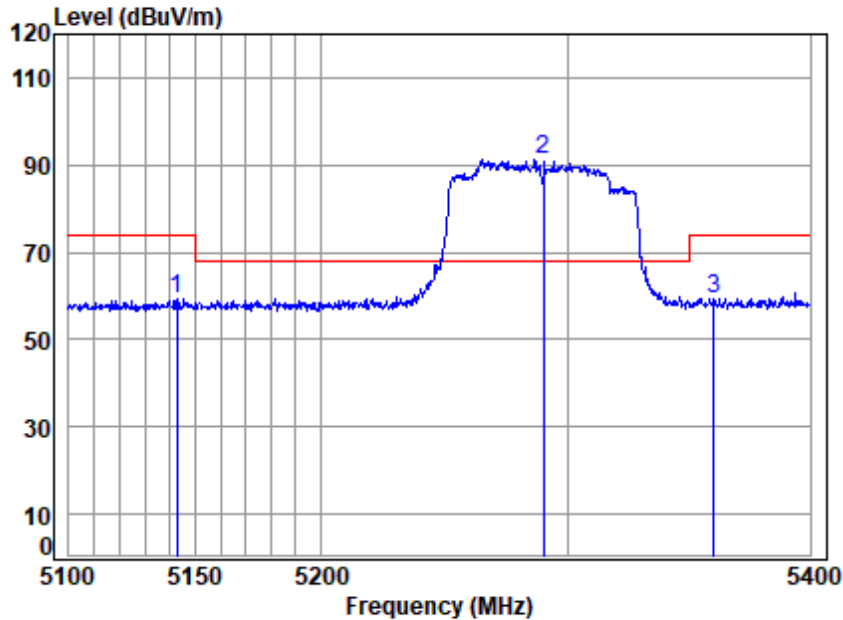
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	7.86	34.45	42.33	91.12	91.10	-----	----- Average
2	5350.020	7.92	34.48	42.34	48.06	48.12	54.00	-5.88 Average
3	5351.556	7.93	34.49	42.34	47.92	48.00	54.00	-6.00 Average





Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

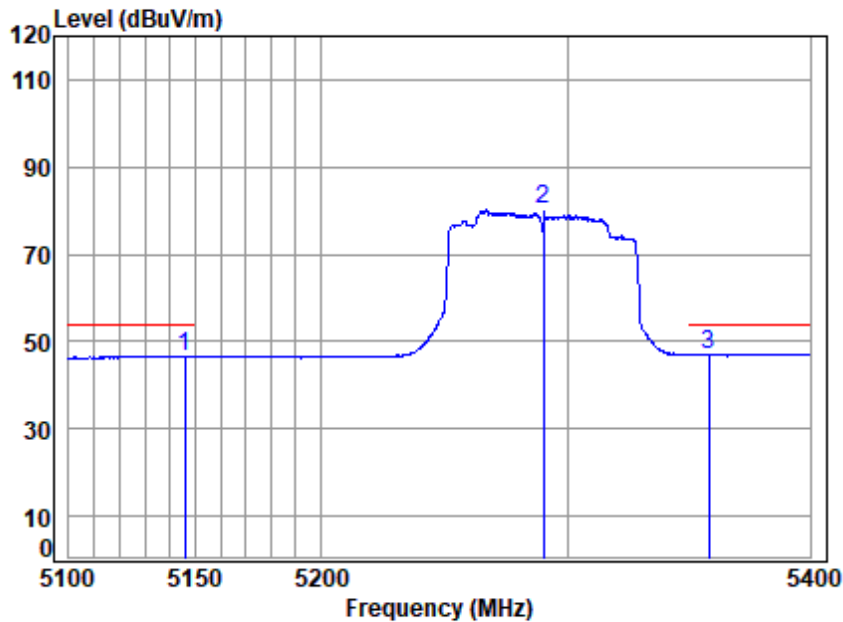


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5290 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5142.738	7.56	34.32	42.32	59.67	59.23	74.00	-14.77 peak
2 * 5290.000	7.82	34.44	42.33	91.34	91.27	68.20	23.07 peak
3 5360.023	7.94	34.49	42.34	59.38	59.47	74.00	-14.53 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

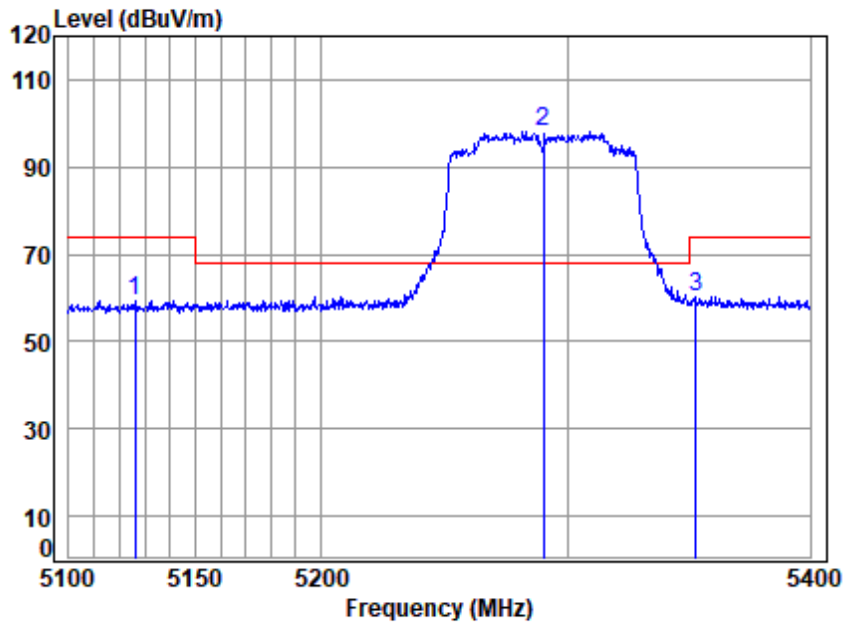


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5290 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5145.973	7.57	34.32	42.32	47.05	46.62	54.00	-7.38 Average
2 5290.000	7.82	34.44	42.33	80.47	80.40	-----	----- Average
3 5358.186	7.94	34.49	42.34	46.97	47.06	54.00	-6.94 Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

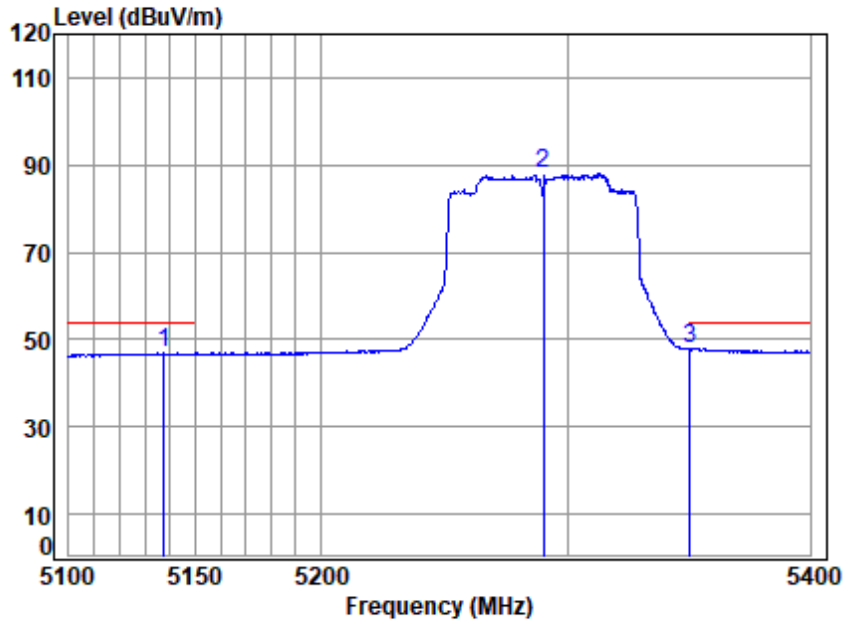


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5290 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5126.303	7.53	34.30	42.31	59.98	59.50	74.00	-14.50 peak
2 * 5290.000	7.82	34.44	42.33	98.13	98.06	68.20	29.86 peak
3 5352.676	7.93	34.49	42.34	60.24	60.32	74.00	-13.68 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

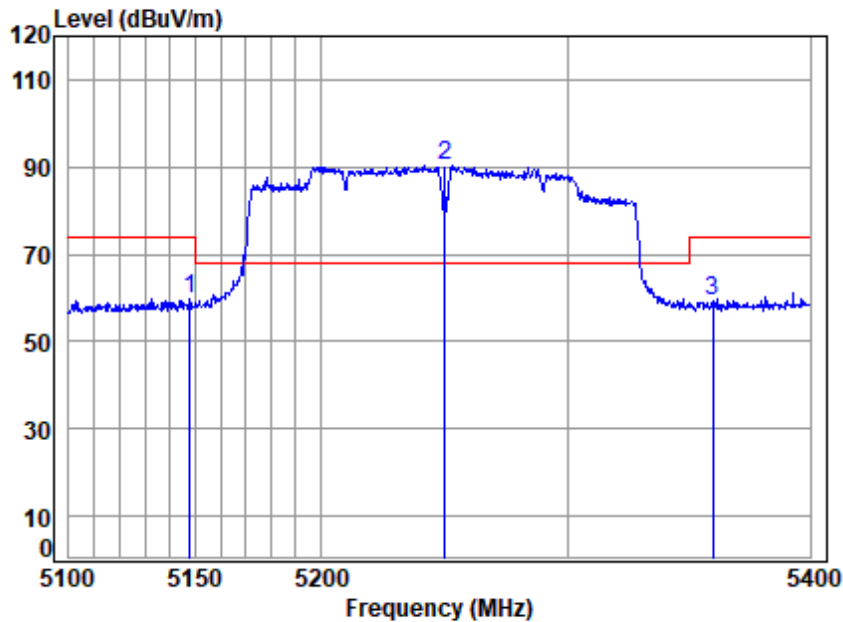


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5290 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5137.450	7.55	34.31	42.31	47.25	46.80	54.00	-7.20 Average
2 5290.000	7.82	34.44	42.33	88.00	87.93	-----	----- Average
3 5350.229	7.93	34.48	42.34	47.84	47.91	54.00	-6.09 Average



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:1600MHz; Channel:middle



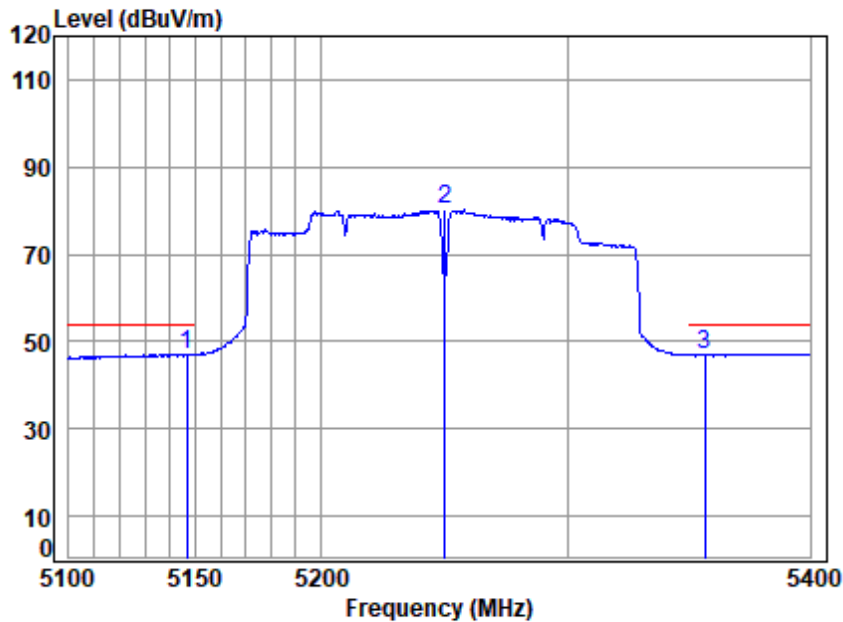
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5250 Band edge  
: 5G WIFI 11AC160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5147.738	7.57	34.32	42.32	60.16	59.73	74.00	-14.27 peak
2 * 5250.000	7.75	34.40	42.33	90.47	90.29	68.20	22.09 peak
3 5359.717	7.94	34.49	42.34	59.15	59.24	74.00	-14.76 peak





Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



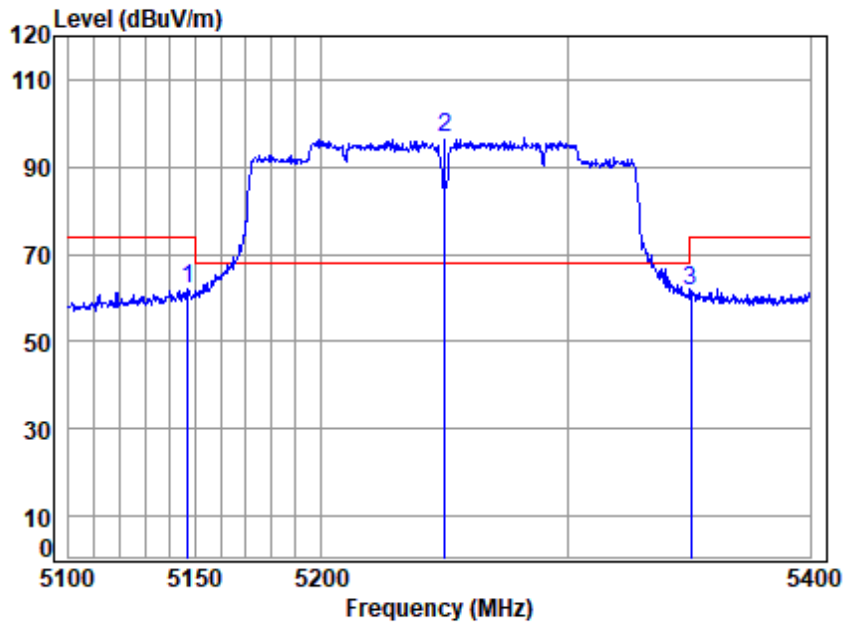
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5250 Band edge  
: 5G WIFI 11AC160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5146.561	7.57	34.32	42.32	47.50	47.07	54.00	-6.93
2 5250.000	7.75	34.40	42.33	80.35	80.17	-----	-----
3 5356.348	7.94	34.49	42.34	46.91	47.00	54.00	-7.00



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle

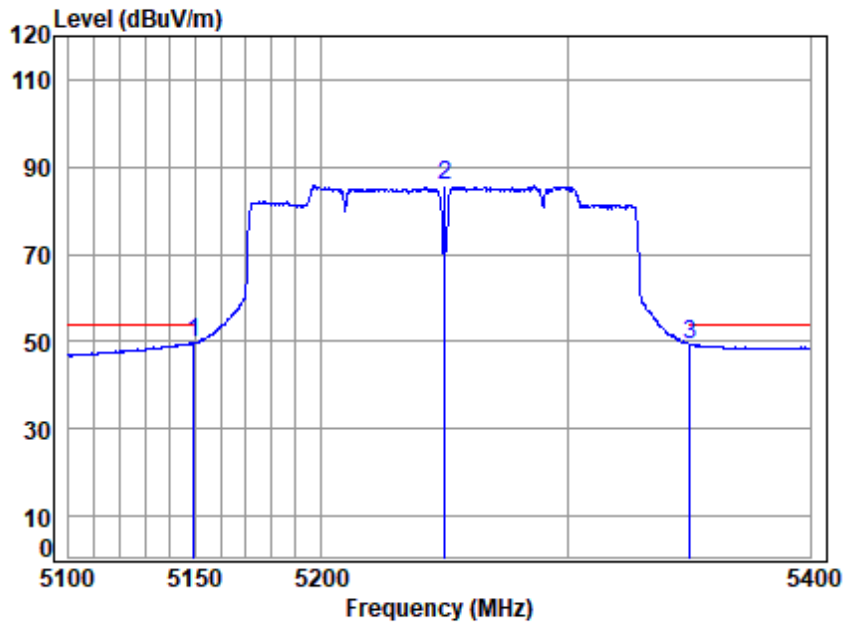


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5250 Band edge  
: 5G WIFI 11AC160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5147.149	7.57	34.32	42.32	62.59	62.16	74.00	-11.84 peak
2 * 5250.000	7.75	34.40	42.33	96.74	96.56	68.20	28.36 peak
3 5350.535	7.93	34.48	42.34	61.47	61.54	74.00	-12.46 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle

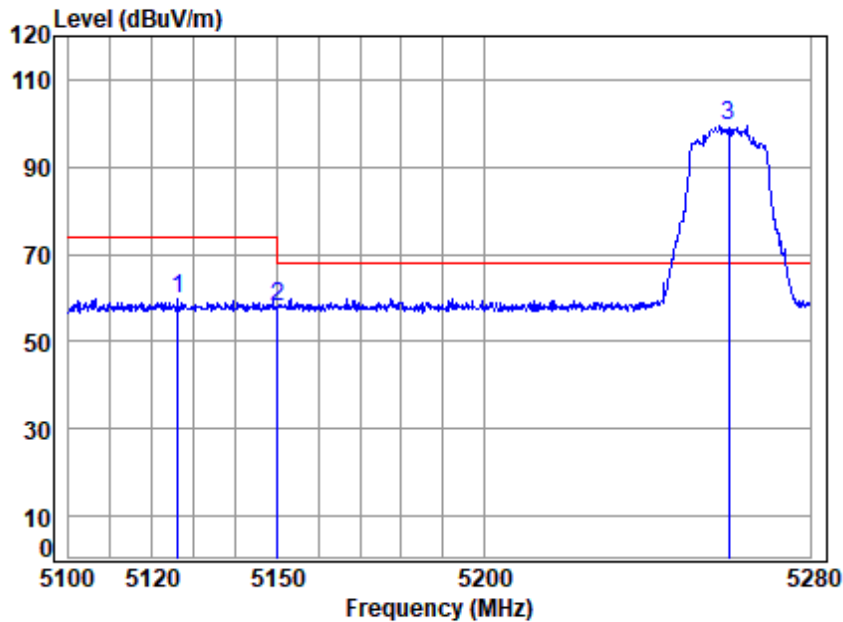


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5250 Band edge  
: 5G WIFI 11AC160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5149.503	7.57	34.32	42.32	50.18	49.75	54.00	-4.25
2 5250.000	7.75	34.40	42.33	85.99	85.81	-----	-----
3 5350.229	7.93	34.48	42.34	49.30	49.37	54.00	-4.63



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low

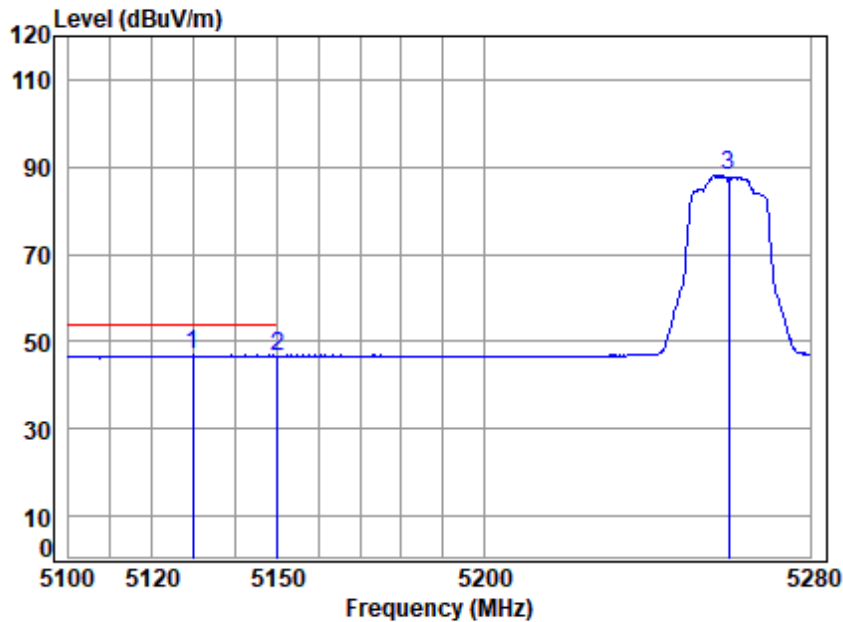


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5126.070	7.53	34.30	42.31	60.44	59.96	74.00	-14.04 peak
2 5149.980	7.57	34.32	42.32	58.59	58.16	74.00	-15.84 peak
3 * 5260.000	7.77	34.41	42.33	99.77	99.62	68.20	31.42 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 02179CR
Mode      : 5260 Band edge
           : 5G WIFI 11AX20
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5129.627	7.54	34.31	42.31	47.29	46.83	54.00	-7.17	Average
2	5149.980	7.57	34.32	42.32	47.10	46.67	54.00	-7.33	Average
3	5260.000	7.77	34.41	42.33	88.17	88.02	-----	-----	Average



Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein solely reflects the Company's findings at the time of its intervention only and within the limits of its contractual obligations. Any third party's legal responsibility is not affected by the issuance of this document. In particular, the transfer of documents from existing to new holders does not affect the rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

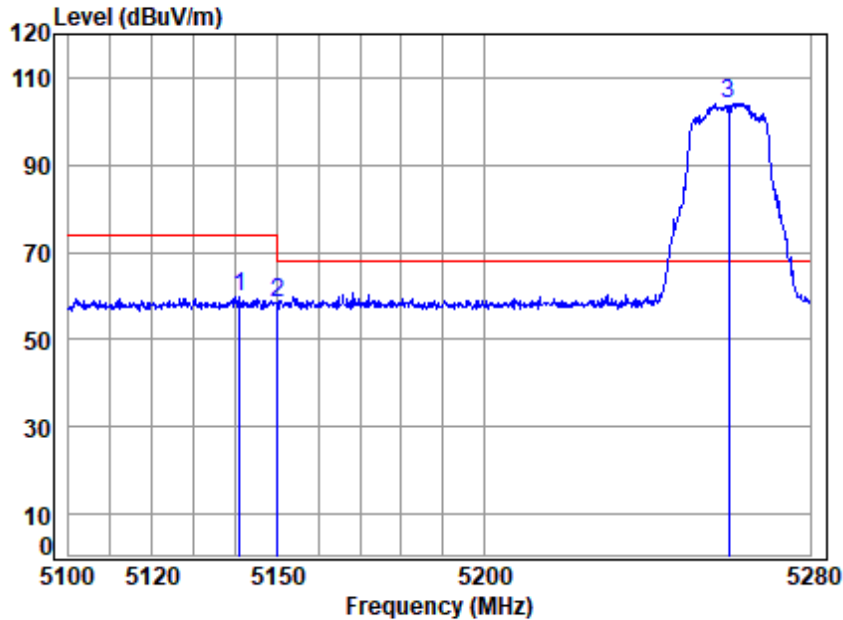
Attention is drawn to the fact that the results of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com).

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgsg.china@sgs.com



Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low

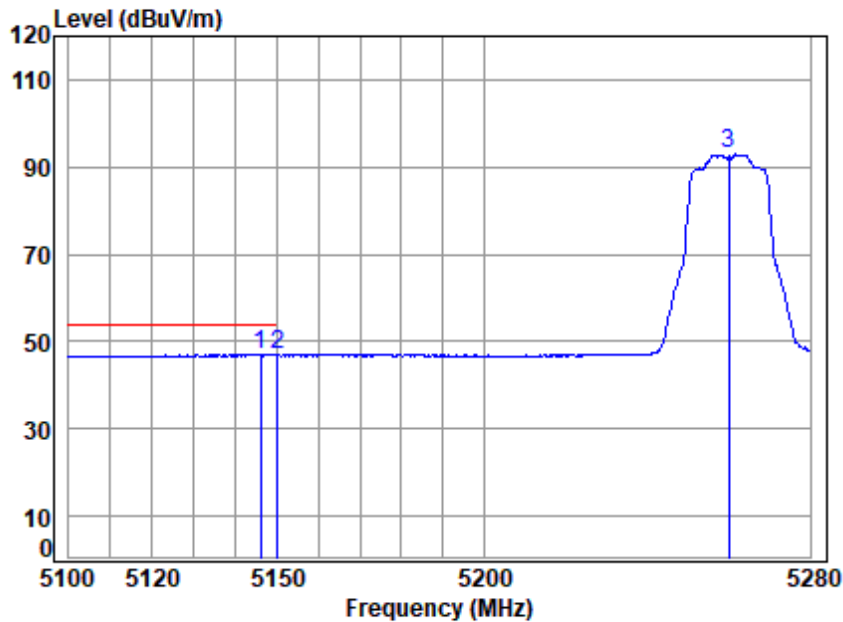


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5141.027	7.56	34.32	42.32	60.16	59.72	74.00	-14.28 peak
2 5149.980	7.57	34.32	42.32	58.82	58.39	74.00	-15.61 peak
3 * 5260.000	7.77	34.41	42.33	104.41	104.26	68.20	36.06 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low

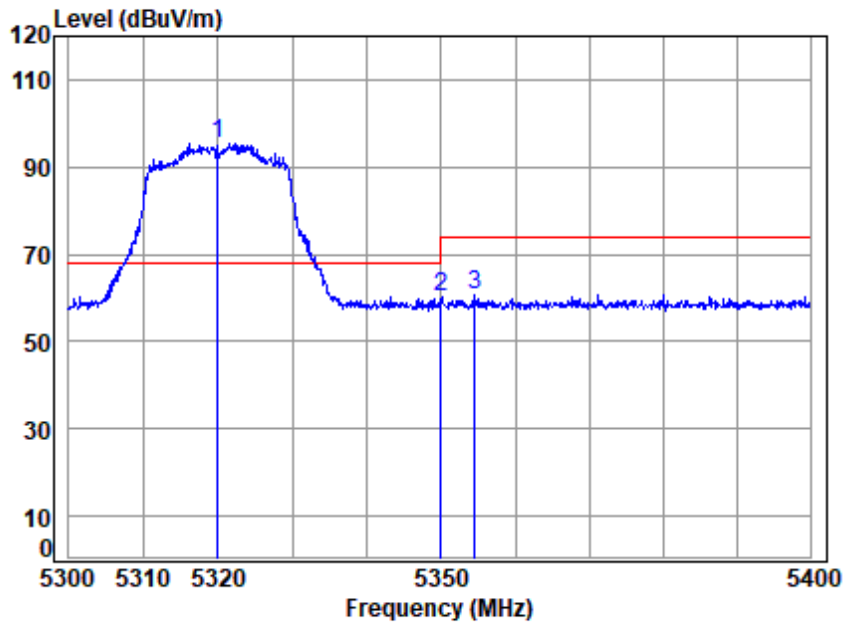


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5260 Band edge  
: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.022	7.57	34.32	42.32	47.41	46.98	54.00	-7.02 Average
2	5149.980	7.57	34.32	42.32	47.31	46.88	54.00	-7.12 Average
3	5260.000	7.77	34.41	42.33	93.03	92.88	-----	----- Average



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:High

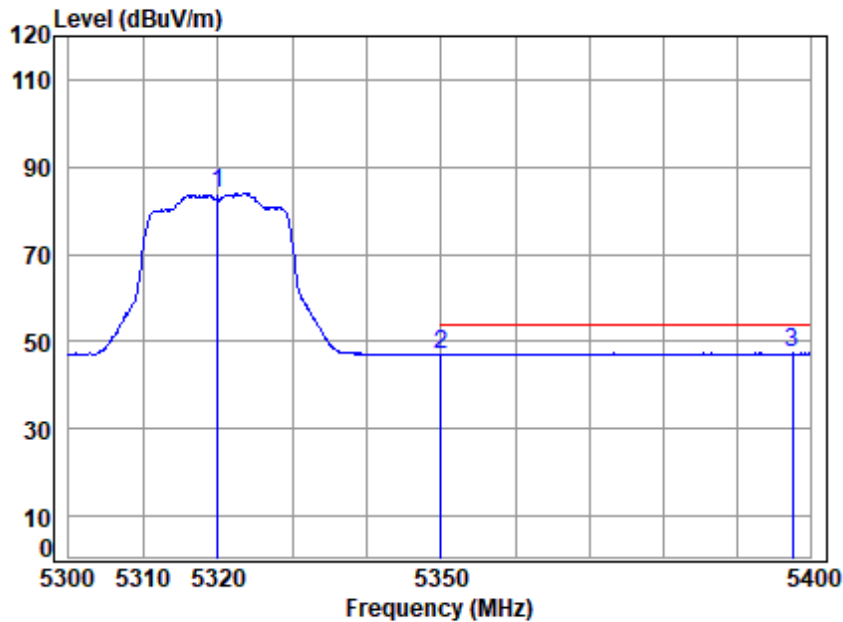


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5320.000	7.87	34.46	42.33	95.26	95.26	68.20	27.06	peak
2 5350.020	7.92	34.48	42.34	59.94	60.00	74.00	-14.00	peak
3 5354.568	7.93	34.49	42.34	60.74	60.82	74.00	-13.18	peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5320.000	7.87	34.46	42.33	84.09	84.09	-----	-----
2 5350.020	7.92	34.48	42.34	46.99	47.05	54.00	-6.95
3 5397.679	8.01	34.52	42.34	47.11	47.30	54.00	-6.70



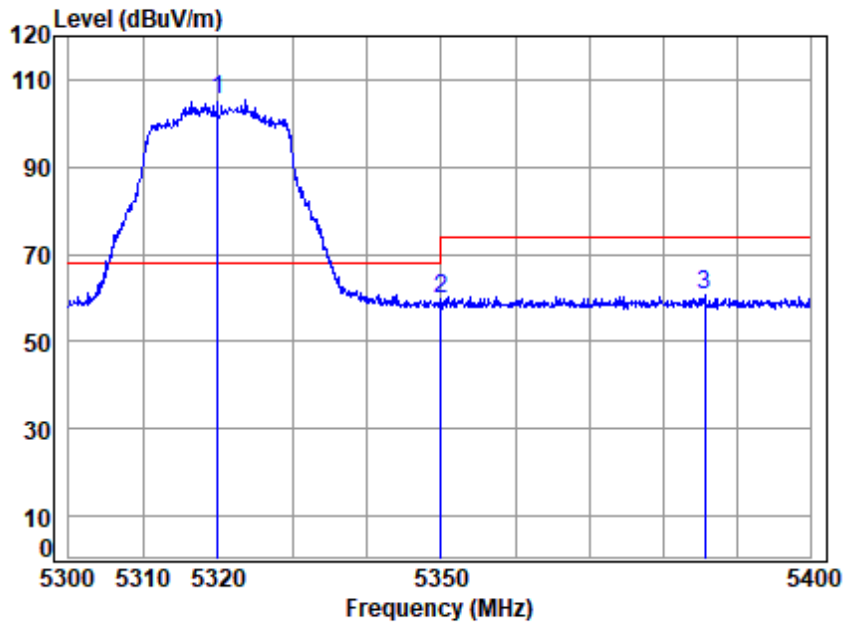
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5320.000	7.87	34.46	42.33	105.35	105.35	68.20	37.15	peak
2 5350.020	7.92	34.48	42.34	59.72	59.78	74.00	-14.22	peak
3 5385.686	7.99	34.51	42.34	60.48	60.64	74.00	-13.36	peak



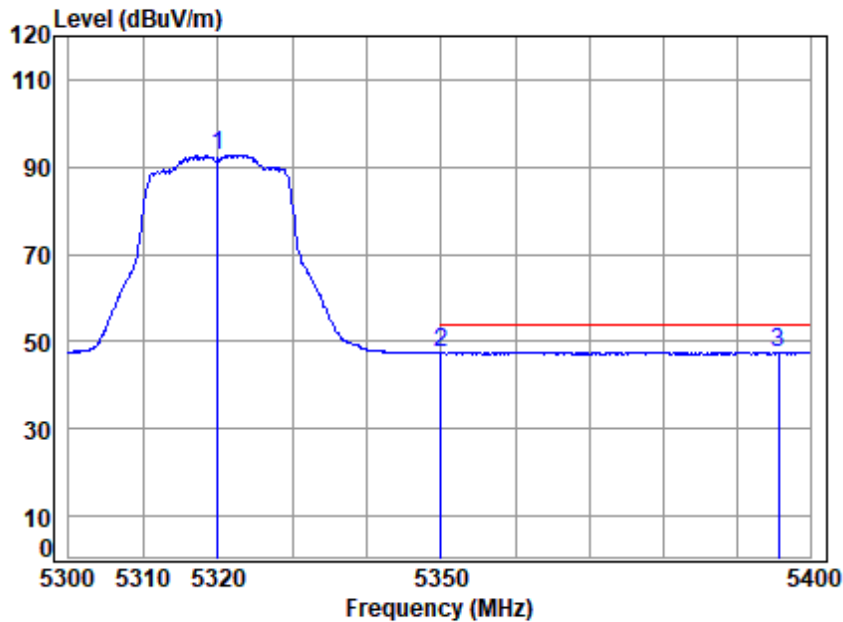
SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report and certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High

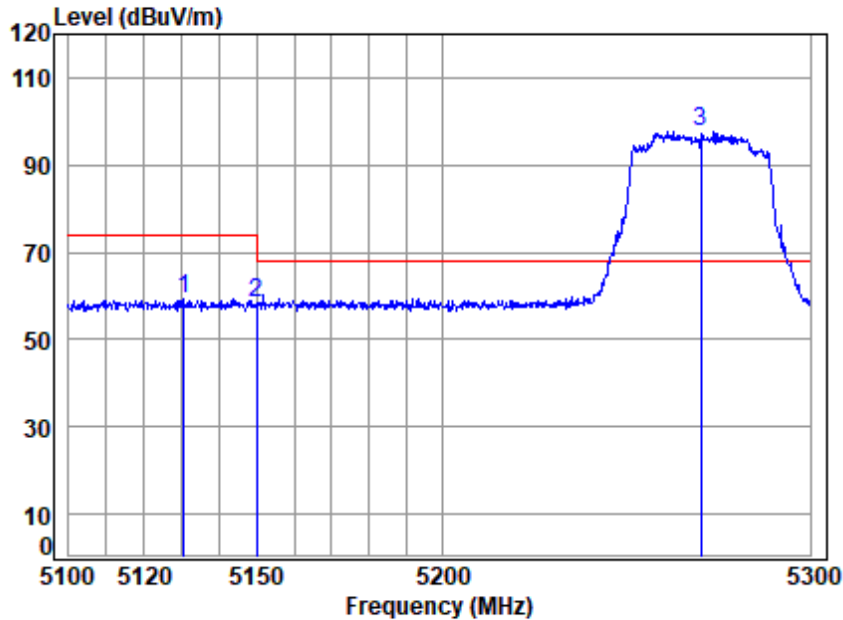


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5320 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5320.000	7.87	34.46	42.33	92.79	92.79	-----	----- Average
2 5350.020	7.92	34.48	42.34	47.32	47.38	54.00	-6.62 Average
3 5395.762	8.00	34.52	42.34	47.26	47.44	54.00	-6.56 Average



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

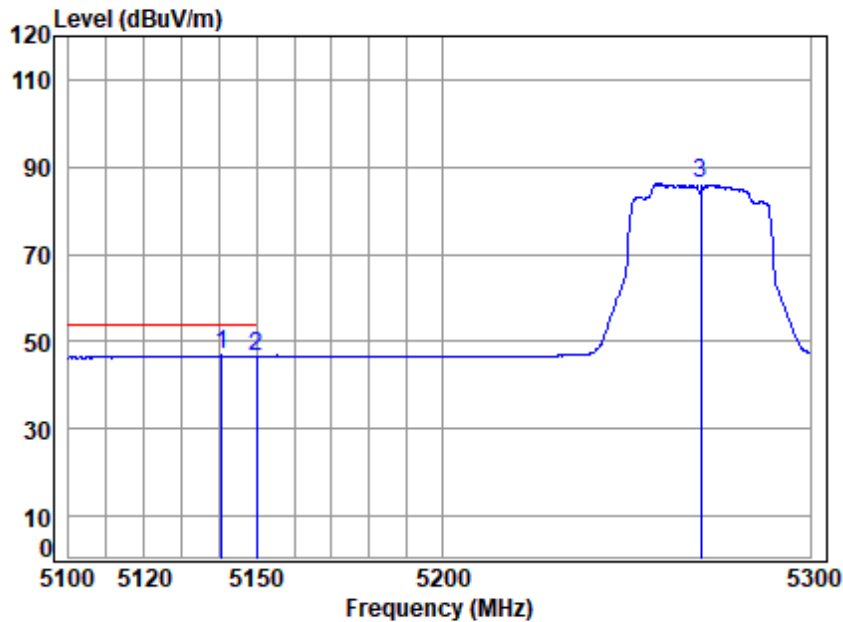


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5270 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5130.499	7.54	34.31	42.31	59.97	59.51	74.00	-14.49 peak
2 5149.980	7.57	34.32	42.32	58.78	58.35	74.00	-15.65 peak
3 * 5270.000	7.79	34.42	42.33	97.97	97.85	68.20	29.65 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

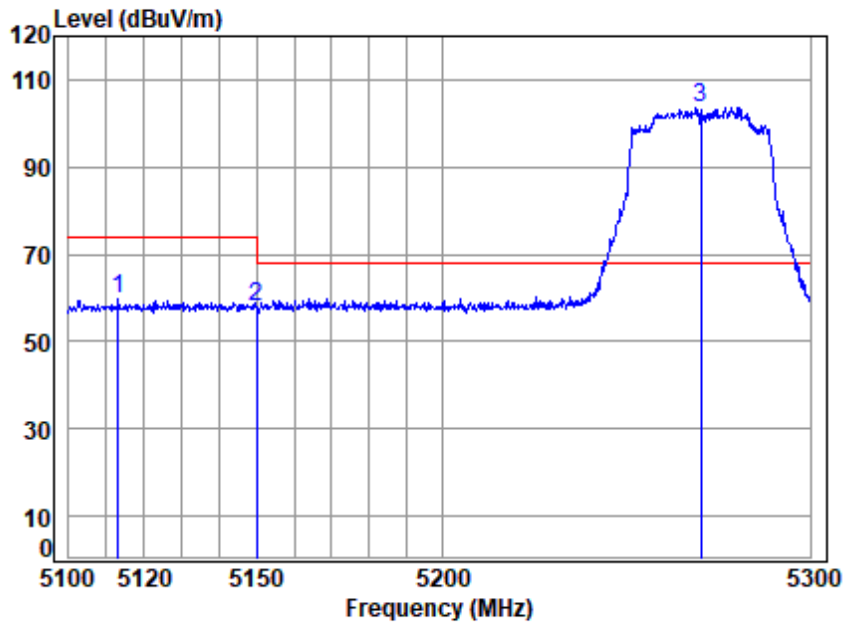


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5270 Band edge  
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5140.573	7.56	34.32	42.32	47.23	46.79	54.00	-7.21 Average
2	5149.980	7.57	34.32	42.32	47.11	46.68	54.00	-7.32 Average
3	5270.000	7.79	34.42	42.33	86.43	86.31	-----	----- Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

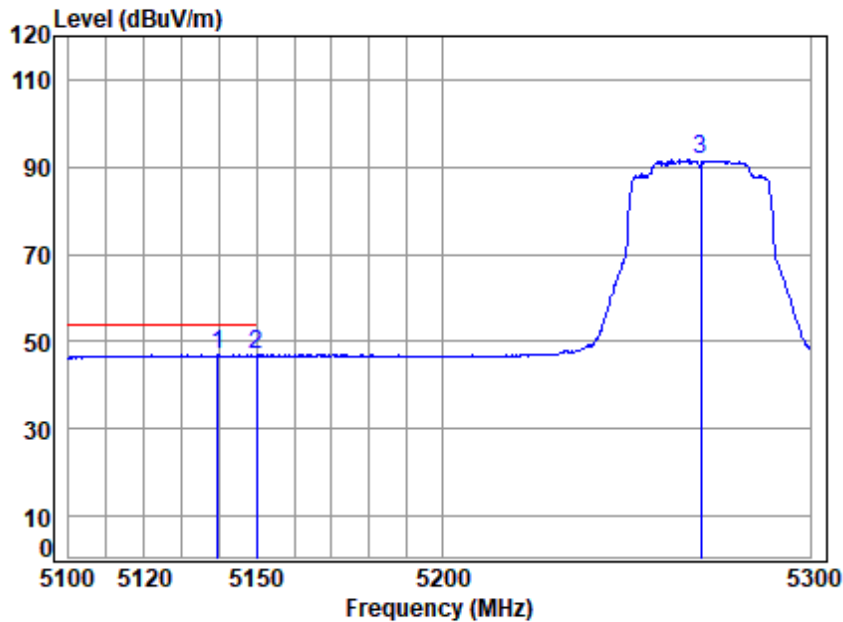


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5270 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5113.161	7.51	34.29	42.31	60.12	59.61	74.00	-14.39 peak
2 5149.980	7.57	34.32	42.32	58.52	58.09	74.00	-15.91 peak
3 * 5270.000	7.79	34.42	42.33	103.92	103.80	68.20	35.60 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



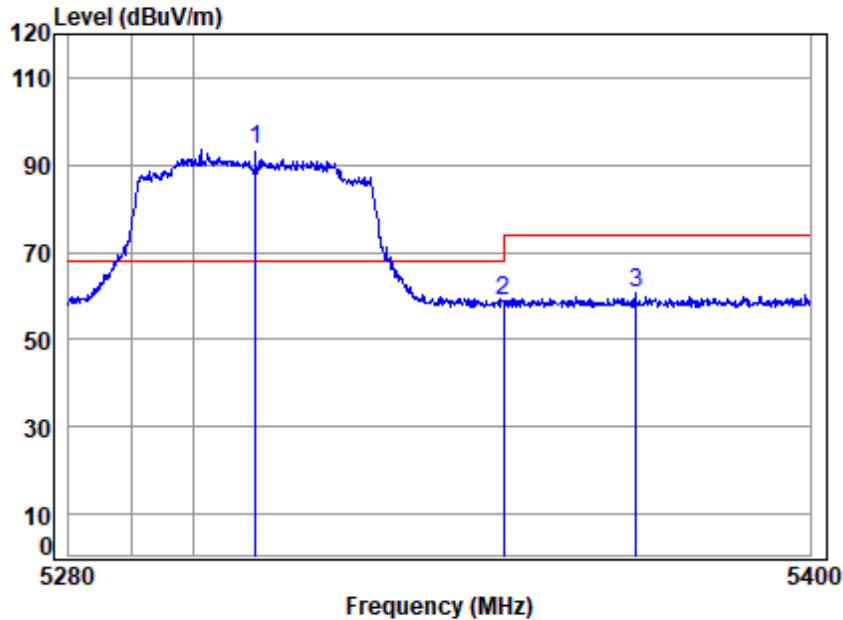
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5270 Band edge  
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5139.584	7.55	34.32	42.32	47.28	46.83	54.00	-7.17 Average
2	5149.980	7.57	34.32	42.32	47.26	46.83	54.00	-7.17 Average
3	5270.000	7.79	34.42	42.33	91.83	91.71	-----	----- Average





Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11AX40

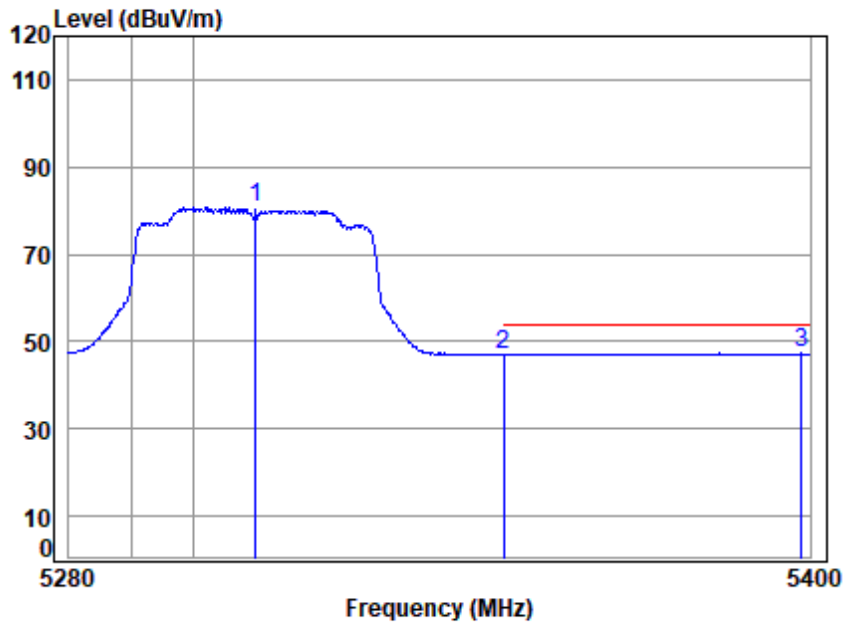
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	93.43	93.41	68.20	25.21 peak
2 5350.020	7.92	34.48	42.34	58.99	59.05	74.00	-14.95 peak
3 5371.557	7.96	34.50	42.34	60.54	60.66	74.00	-13.34 peak



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

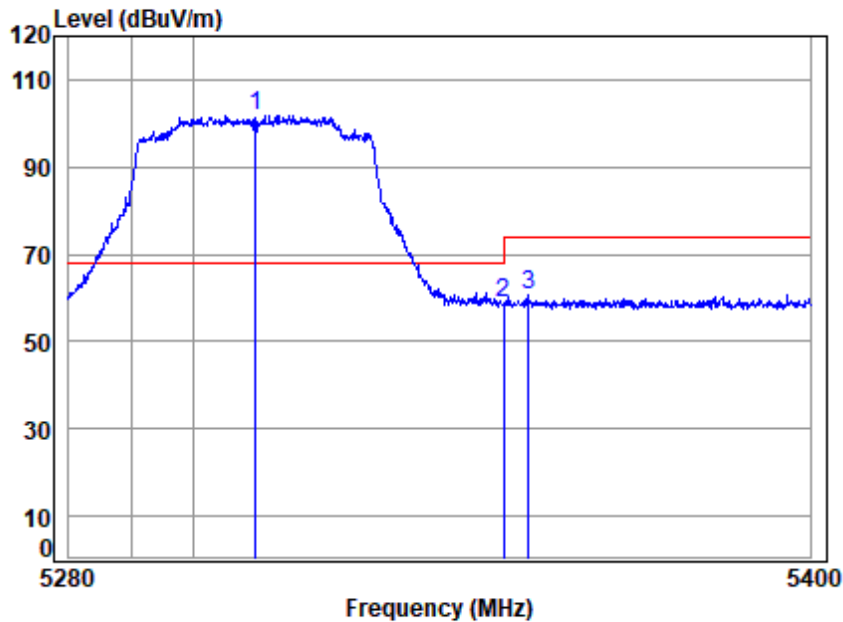


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	7.86	34.45	42.33	80.79	80.77	-----	----- Average
2	5350.020	7.92	34.48	42.34	46.88	46.94	54.00	-7.06 Average
3	5398.544	8.01	34.52	42.34	47.06	47.25	54.00	-6.75 Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

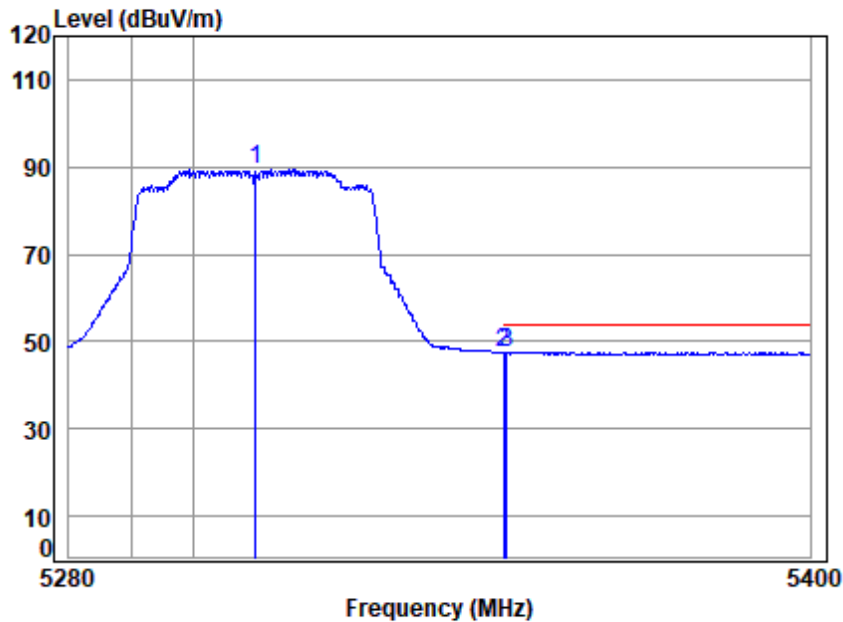


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	101.87	101.85	68.20	33.65 peak
2 5350.020	7.92	34.48	42.34	58.68	58.74	74.00	-15.26 peak
3 5354.082	7.93	34.49	42.34	60.40	60.48	74.00	-13.52 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

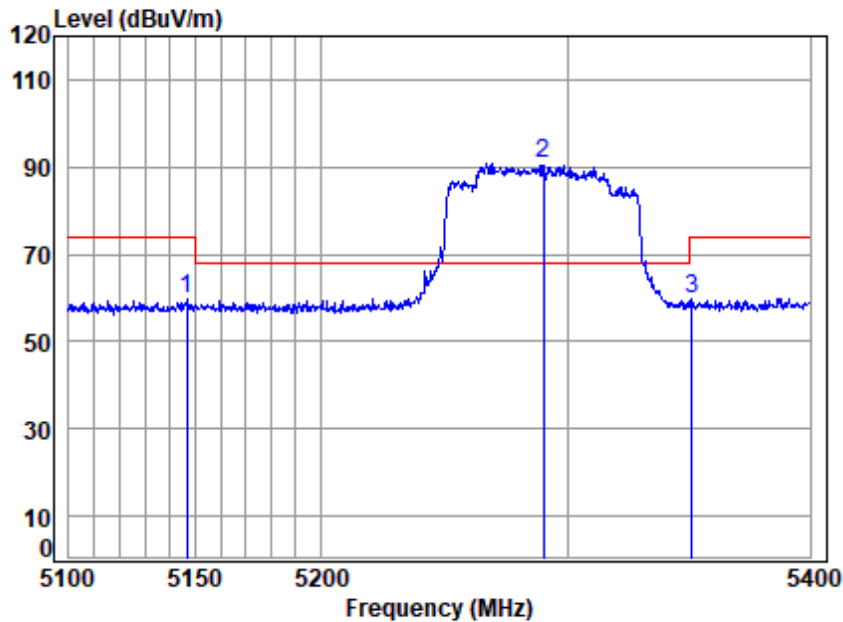


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5310 Band edge  
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	7.86	34.45	42.33	89.31	89.29	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.33	47.39	54.00	-6.61 Average
3	5350.594	7.93	34.48	42.34	47.42	47.49	54.00	-6.51 Average



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



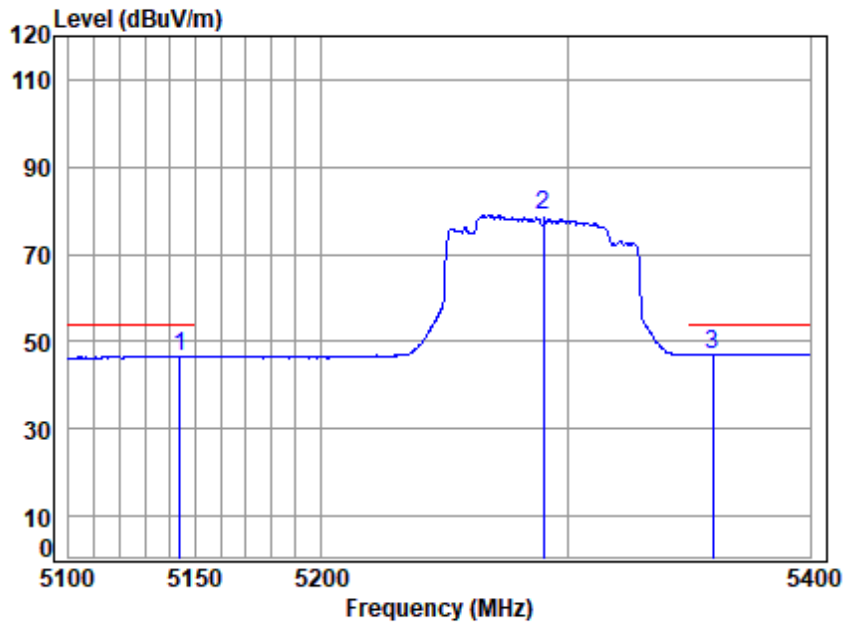
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5290 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5146.561	7.57	34.32	42.32	60.12	59.69	74.00	-14.31 peak
2 * 5290.000	7.82	34.44	42.33	90.98	90.91	68.20	22.71 peak
3 5350.840	7.93	34.48	42.34	59.67	59.74	74.00	-14.26 peak





Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle

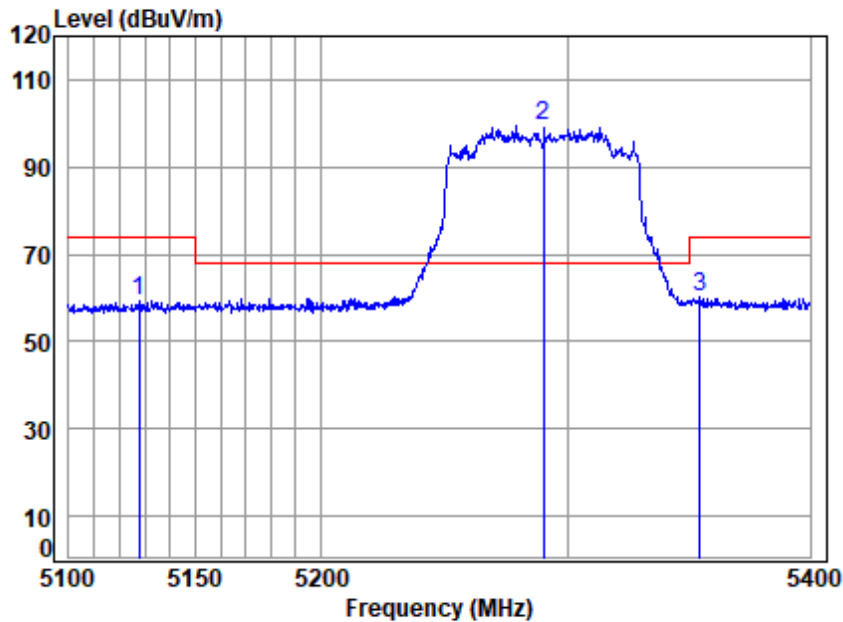


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5290 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5143.914	7.56	34.32	42.32	47.06	46.62	54.00	-7.38
2 5290.000	7.82	34.44	42.33	79.20	79.13	-----	-----
3 5359.717	7.94	34.49	42.34	47.05	47.14	54.00	-6.86
							Average



Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle

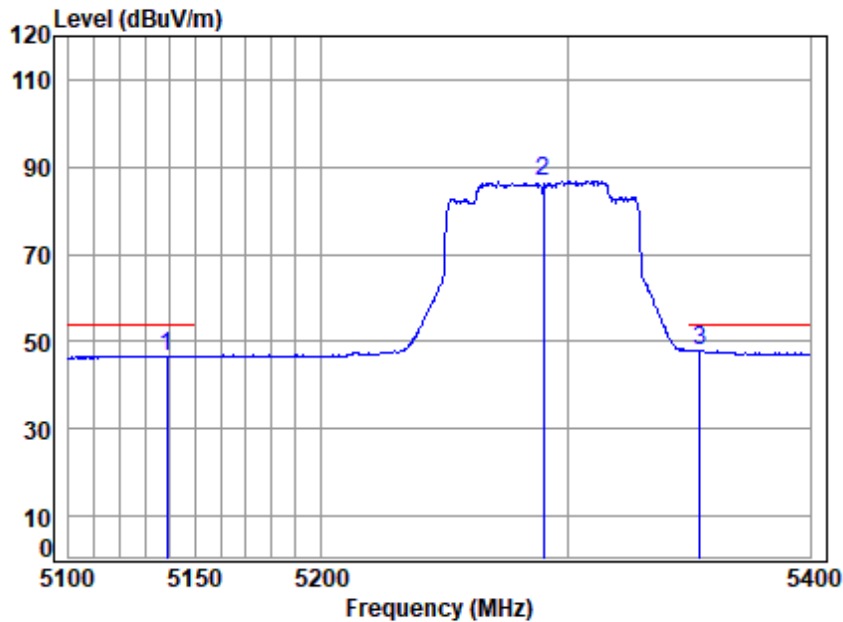


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5290 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5127.769	7.53	34.31	42.31	59.82	59.35	74.00	-14.65 peak
2 * 5290.000	7.82	34.44	42.33	99.42	99.35	68.20	31.15 peak
3 5354.512	7.93	34.49	42.34	60.08	60.16	74.00	-13.84 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle

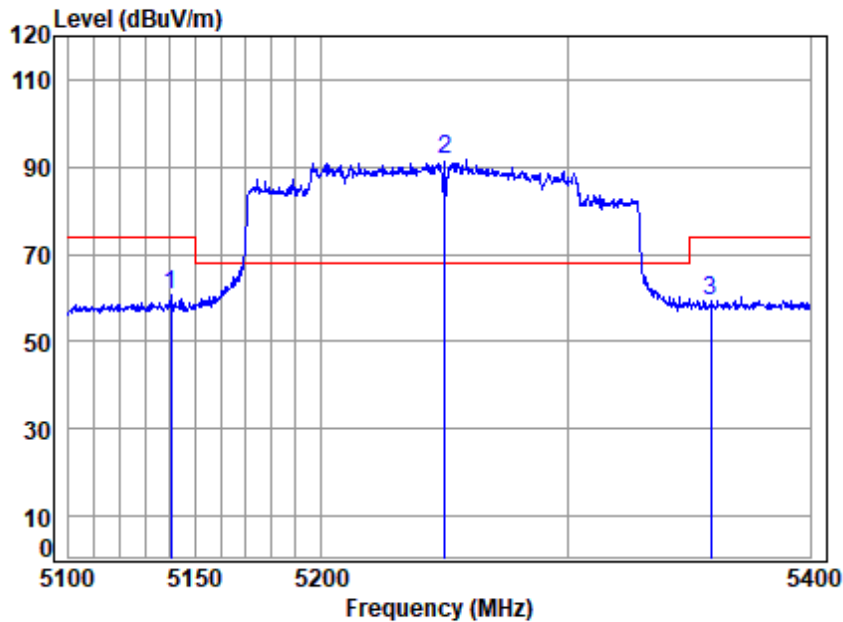


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5290 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5138.625	7.55	34.31	42.31	47.20	46.75	54.00	-7.25 Average
2 5290.000	7.82	34.44	42.33	86.90	86.83	-----	----- Average
3 5354.512	7.93	34.49	42.34	47.99	48.07	54.00	-5.93 Average



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle

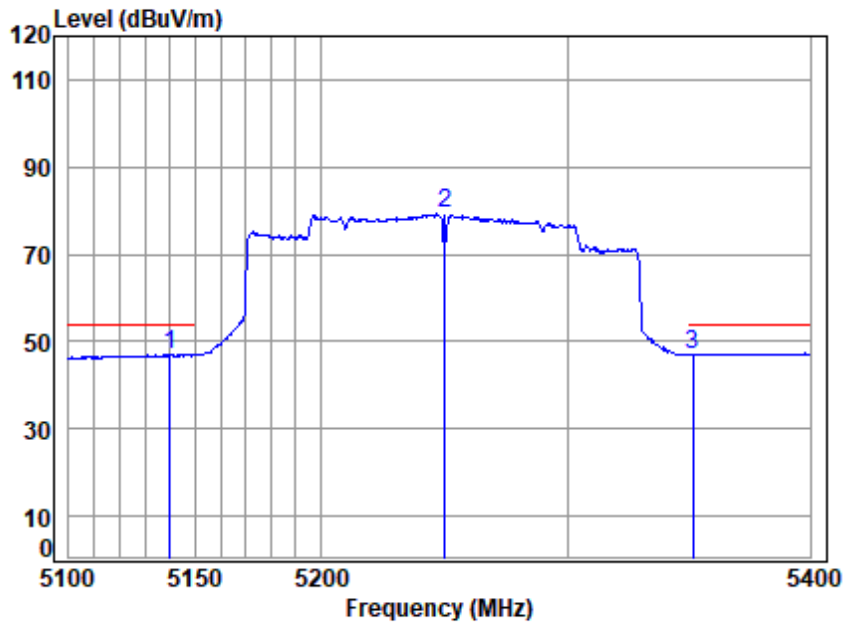


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5250 Band edge  
: 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5140.387	7.56	34.32	42.32	60.91	60.47	74.00	-13.53 peak
2 * 5250.000	7.75	34.40	42.33	91.69	91.51	68.20	23.31 peak
3 5358.798	7.94	34.49	42.34	59.18	59.27	74.00	-14.73 peak



Test Mode: 23; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



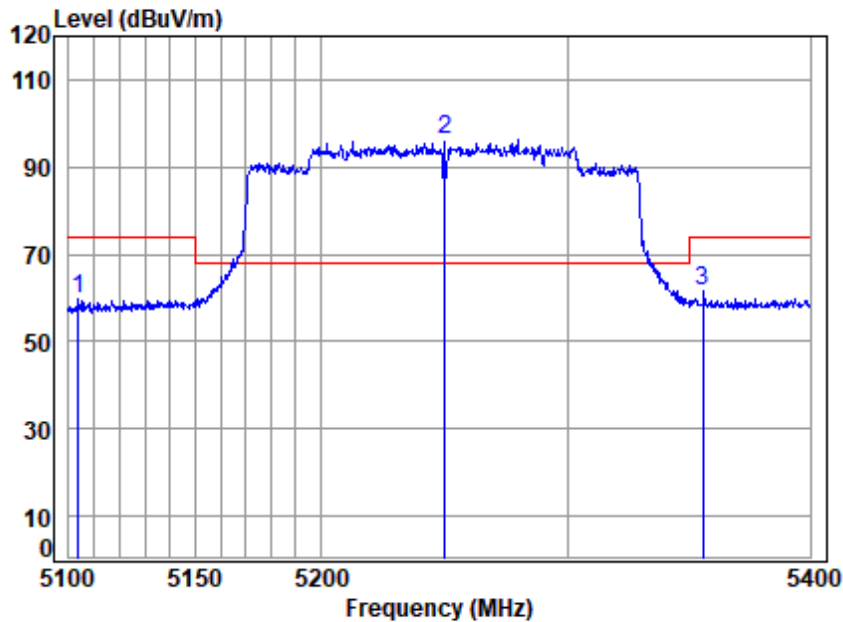
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5250 Band edge  
: 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5139.800	7.55	34.32	42.32	47.37	46.92	54.00	-7.08
2 5250.000	7.75	34.40	42.33	79.39	79.21	-----	-----
3 5351.452	7.93	34.49	42.34	46.97	47.05	54.00	-6.95
							Average





Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle

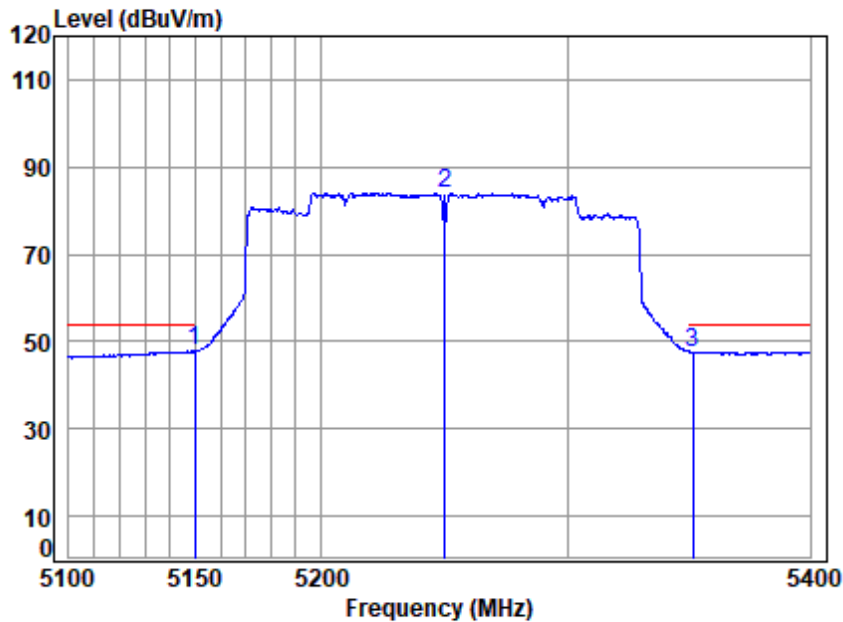


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5250 Band edge  
: 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5103.791	7.49	34.29	42.31	60.15	59.62	74.00	-14.38 peak
2 * 5250.000	7.75	34.40	42.33	96.32	96.14	68.20	27.94 peak
3 5355.736	7.93	34.49	42.34	61.44	61.52	74.00	-12.48 peak



Test Mode: 23; Polarity: Vertical; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle

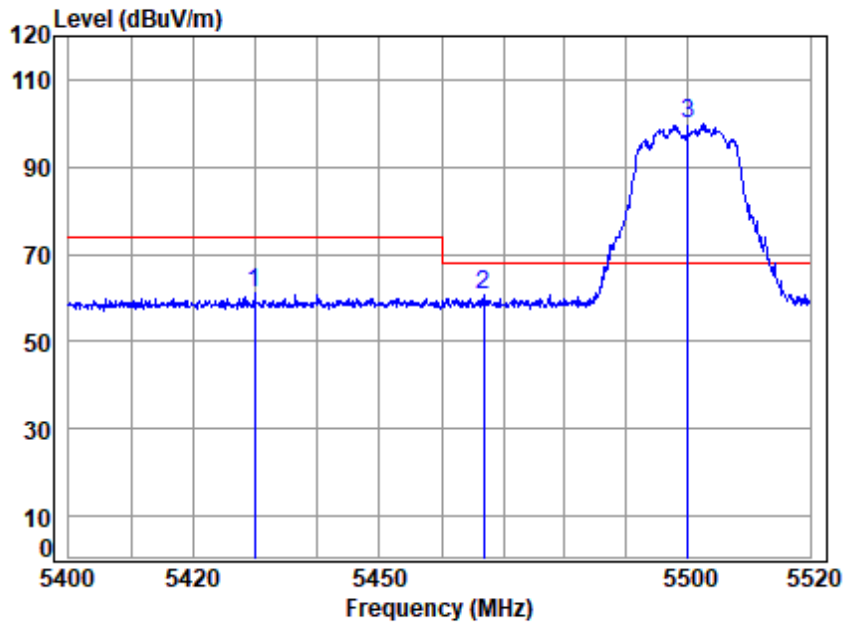


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5250 Band edge  
: 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5149.798	7.57	34.32	42.32	48.23	47.80	54.00	-6.20
2 5250.000	7.75	34.40	42.33	84.29	84.11	-----	-----
3 5351.452	7.93	34.49	42.34	47.53	47.61	54.00	-6.39



Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

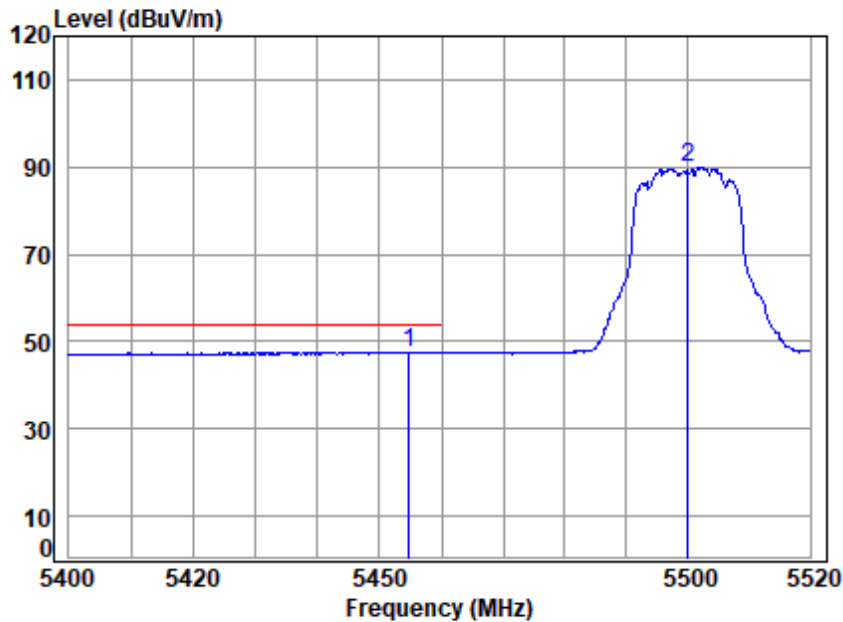


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5429.873	8.06	34.55	42.35	60.73	60.99	74.00	-13.01 peak
2 5466.875	8.12	34.57	42.35	60.44	60.78	68.20	-7.42 peak
3 * 5500.000	8.18	34.60	42.35	99.36	99.79	68.20	31.59 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

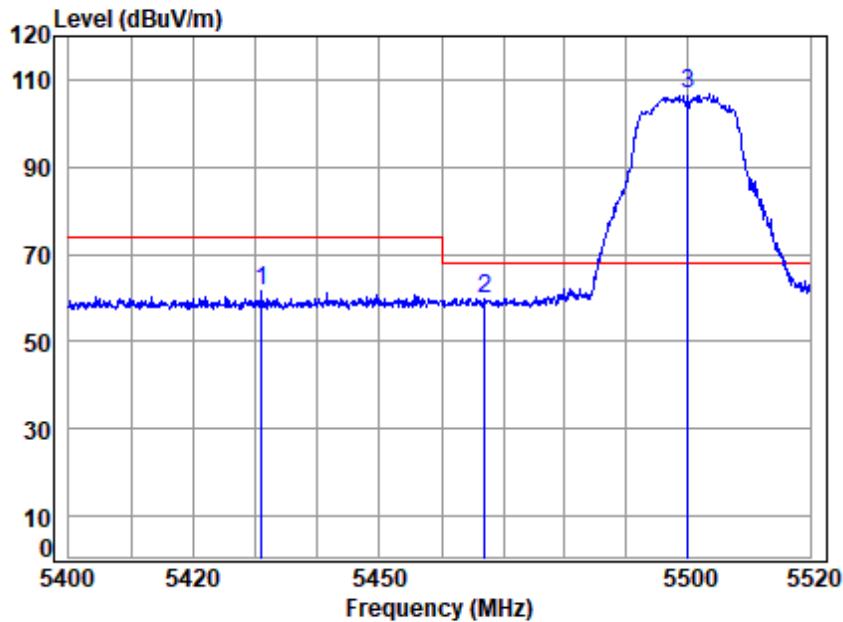


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5454.752	8.10	34.57	42.35	47.21	47.53	54.00	-6.47 Average
2 5500.000	8.18	34.60	42.35	89.64	90.07	-----	----- Average



Test Mode: 25; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



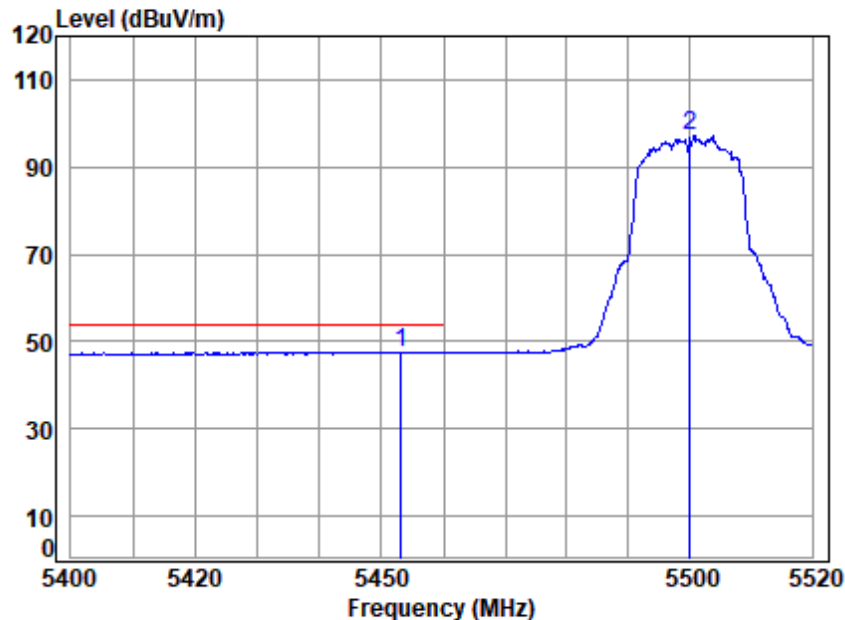
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5430.947	8.06	34.55	42.35	61.48	61.74	74.00	-12.26 peak
2 5466.995	8.12	34.57	42.35	59.55	59.89	68.20	-8.31 peak
3 * 5500.000	8.18	34.60	42.35	106.13	106.56	68.20	38.36 peak





Test Mode: 25; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



```
Site      : chamber
Condition: 3m VERTICAL
Job No    : 02179CR
Mode      : 5500 Band edge
           : 5G WIFI 11A
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5453.194	8.10	34.56	42.35	47.23	47.54	54.00	-6.46	Average
2	5500.000	8.18	34.60	42.35	96.95	97.38	-----	-----	Average



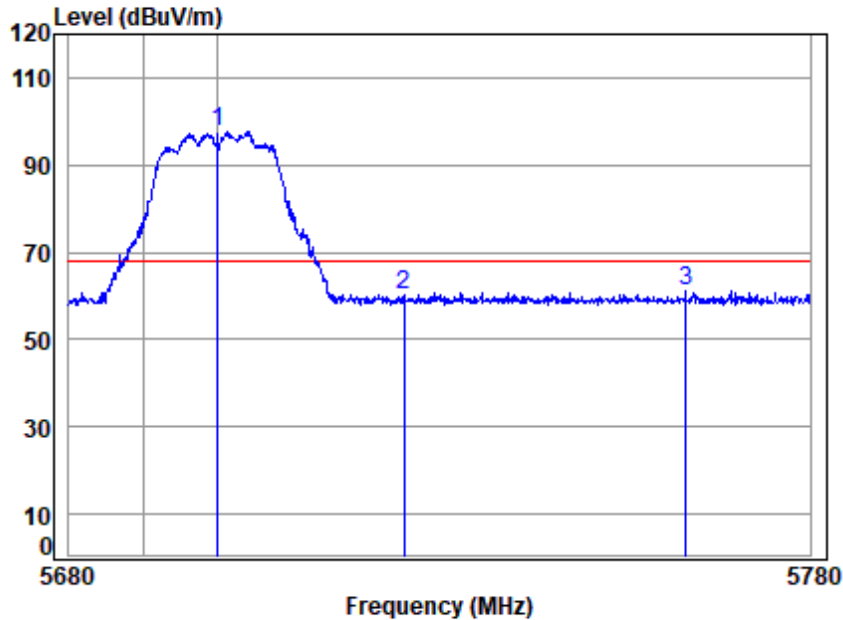
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of its contractual mandate. In any event, the Company's responsibility is limited to the transaction documents and cannot be extended to the transaction from which all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

(Attention: To check the validity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)).

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center (E.C. Laboratory)

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgsg.china@sgs.com

Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

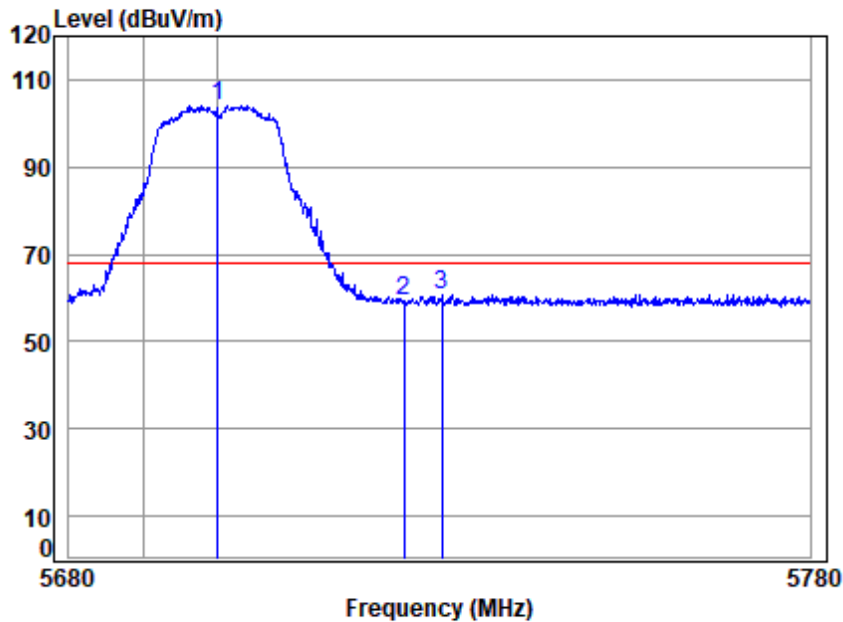


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5700 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5700.000	8.21	34.81	42.37	97.21	97.86	68.20	29.66	peak
2 5725.000	8.22	34.83	42.37	59.75	60.43	68.20	-7.77	peak
3 5763.078	8.22	34.87	42.38	60.56	61.27	68.20	-6.93	peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

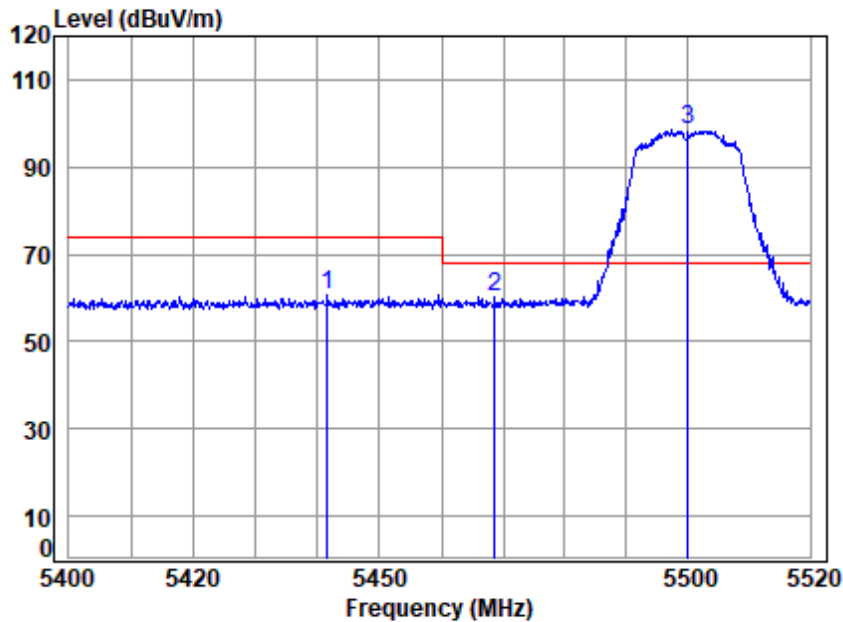


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5700 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5700.000	8.21	34.81	42.37	103.39	104.04	68.20	35.84	peak
2 5725.000	8.22	34.83	42.37	58.53	59.21	68.20	-8.99	peak
3 5730.182	8.22	34.84	42.37	60.21	60.90	68.20	-7.30	peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

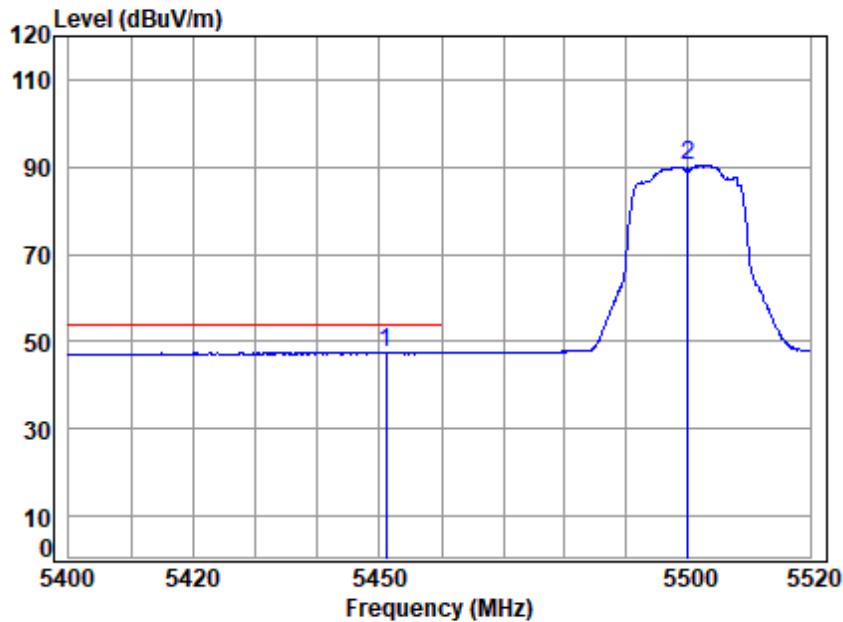


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5441.581	8.08	34.56	42.35	60.44	60.73	74.00	-13.27 peak
2 5468.678	8.13	34.58	42.35	59.72	60.08	68.20	-8.12 peak
3 * 5500.000	8.18	34.60	42.35	98.11	98.54	68.20	30.34 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



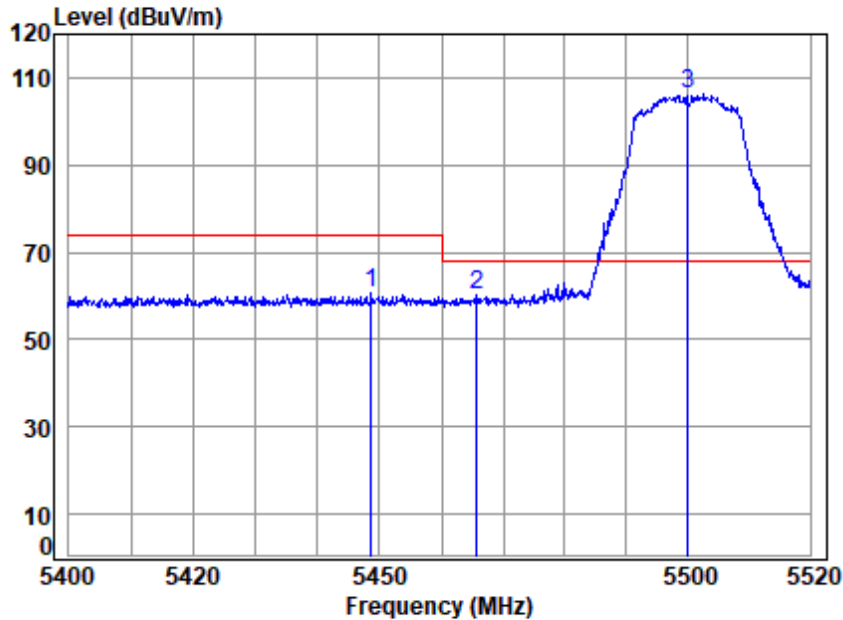
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5451.037	8.10	34.56	42.35	47.18	47.49	54.00	-6.51	Average
2 5500.000	8.18	34.60	42.35	90.04	90.47	-----	-----	Average





Test Mode: 25; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

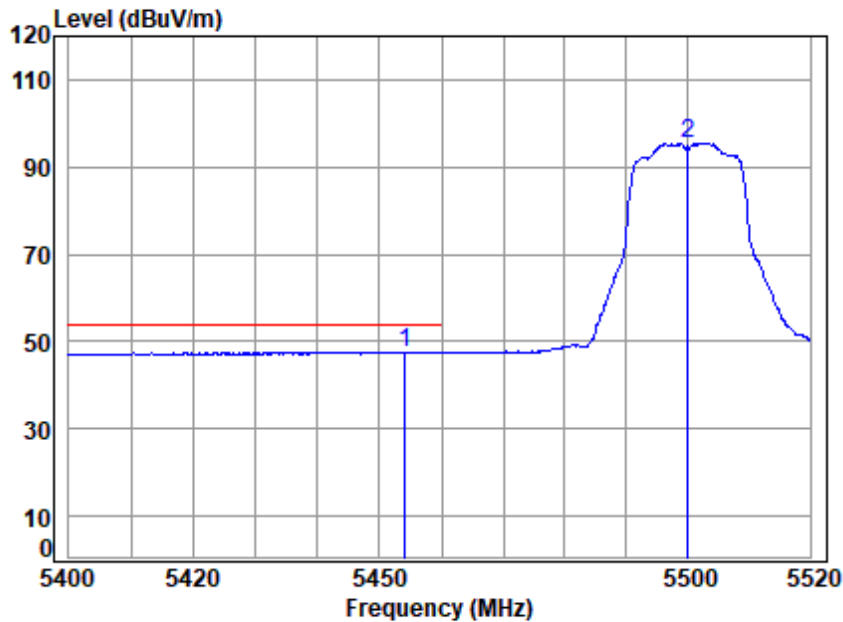


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5448.642	8.09	34.56	42.35	60.36	60.66	74.00	-13.34 peak
2 5465.793	8.12	34.57	42.35	59.71	60.05	68.20	-8.15 peak
3 * 5500.000	8.18	34.60	42.35	105.70	106.13	68.20	37.93 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

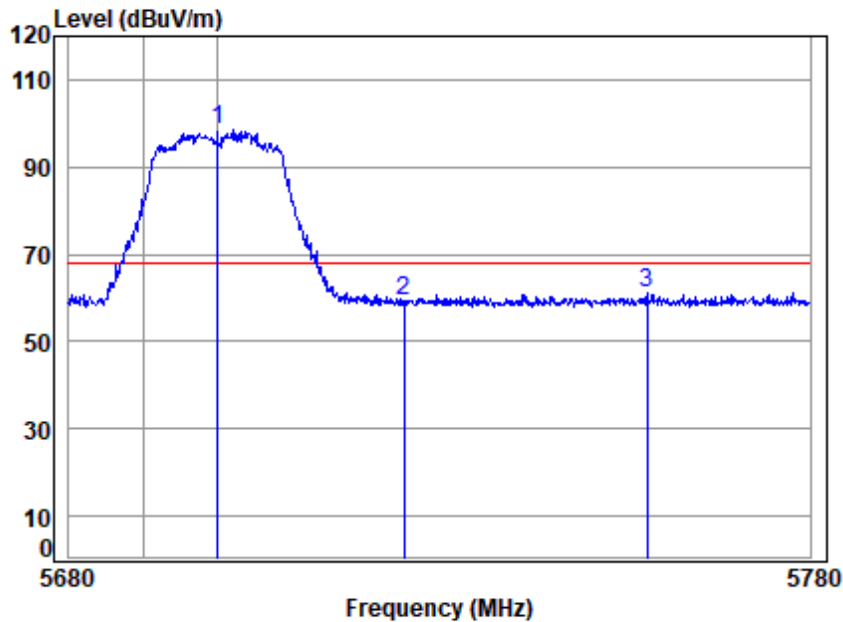


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5454.153	8.10	34.56	42.35	47.25	47.56	54.00	-6.44 Average
2 5500.000	8.18	34.60	42.35	95.08	95.51	-----	----- Average



Test Mode: 25; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

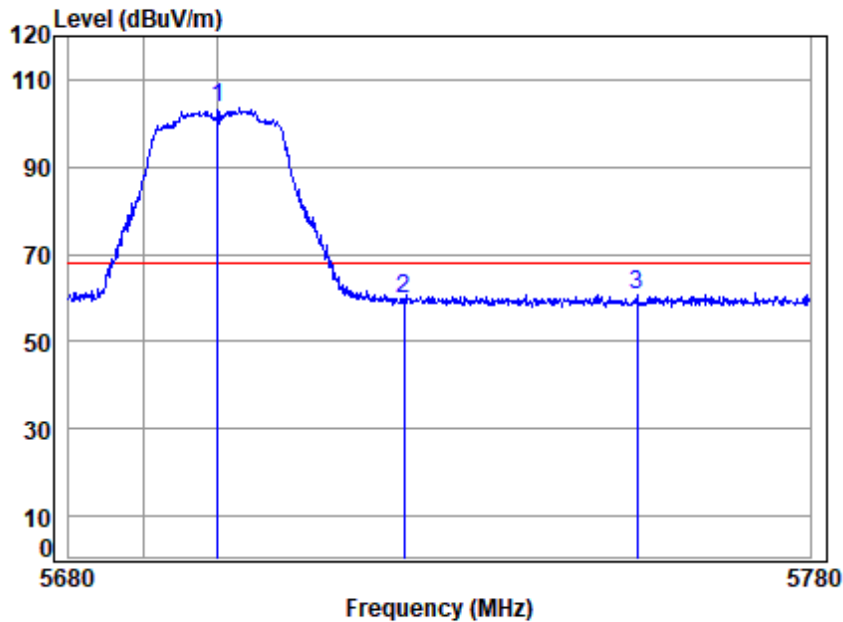


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5700 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	97.68	98.33	68.20	30.13 peak
2 5725.000	8.22	34.83	42.37	58.77	59.45	68.20	-8.75 peak
3 5757.850	8.22	34.86	42.38	60.27	60.97	68.20	-7.23 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

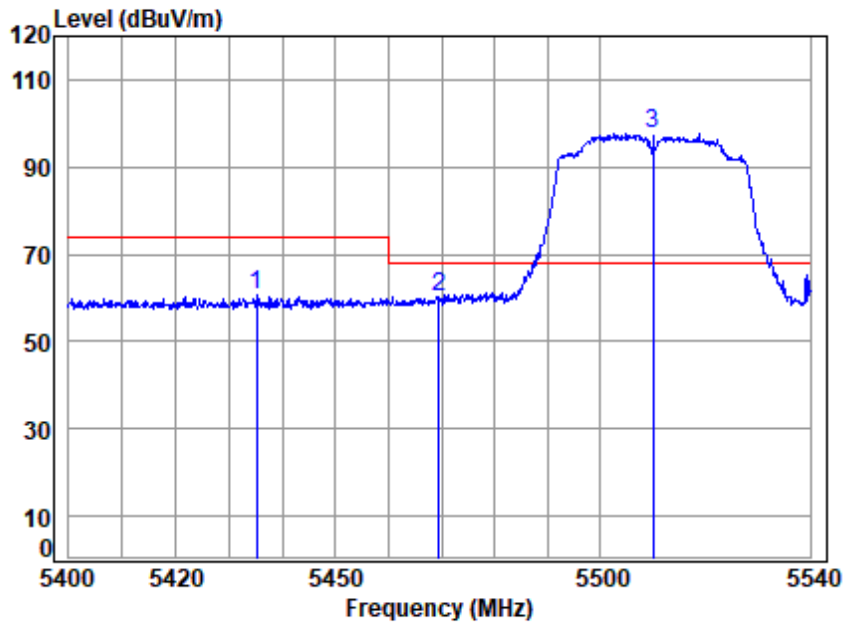


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5700 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5700.000	8.21	34.81	42.37	102.87	103.52	68.20	35.32	peak
2 5725.000	8.22	34.83	42.37	59.16	59.84	68.20	-8.36	peak
3 5756.544	8.22	34.86	42.38	60.21	60.91	68.20	-7.29	peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



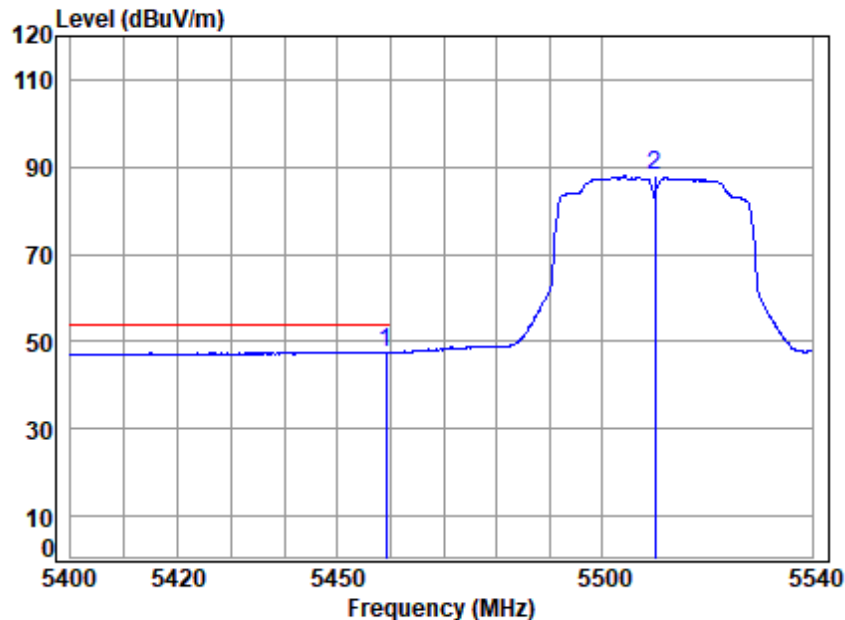
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5510 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5435.082	8.07	34.55	42.35	60.42	60.69	74.00	-13.31 peak
2 5469.412	8.13	34.58	42.35	59.93	60.29	68.20	-7.91 peak
3 * 5510.000	8.18	34.61	42.35	97.36	97.80	68.20	29.60 peak





Test Mode: 25; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 02179CR
Mode      : 5510 Band edge
           : 5G WIFI 11N40
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.063	8.11	34.57	42.35	47.24	47.57	54.00	-6.43	Average
2	5510.000	8.18	34.61	42.35	87.41	87.85	-----	-----	Average



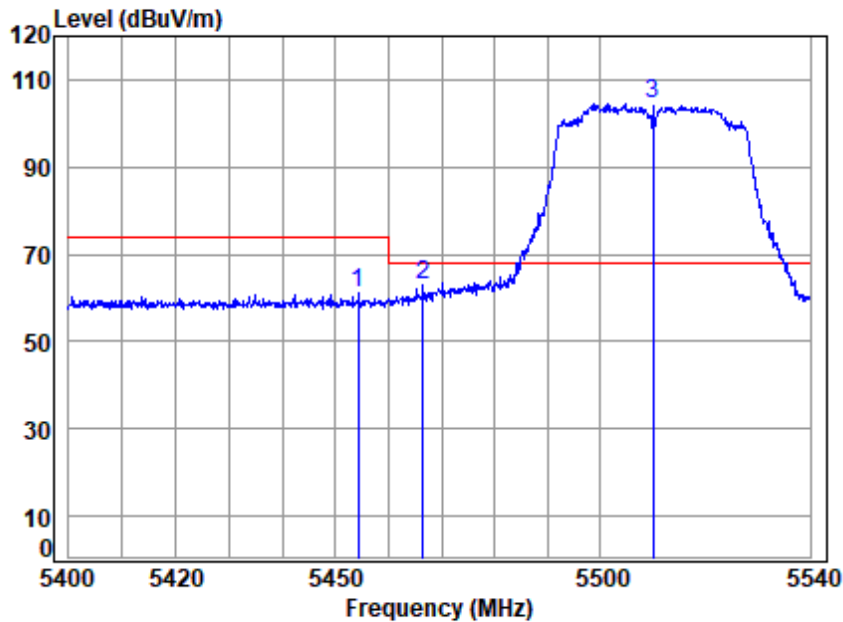
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of its contractual mandate. In any case, the Company's responsibility is limited to the information contained in this document and is not a transaction from which all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

(Attention: To check the validity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)).

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory.

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgsc.china@sgs.com

Test Mode: 25; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

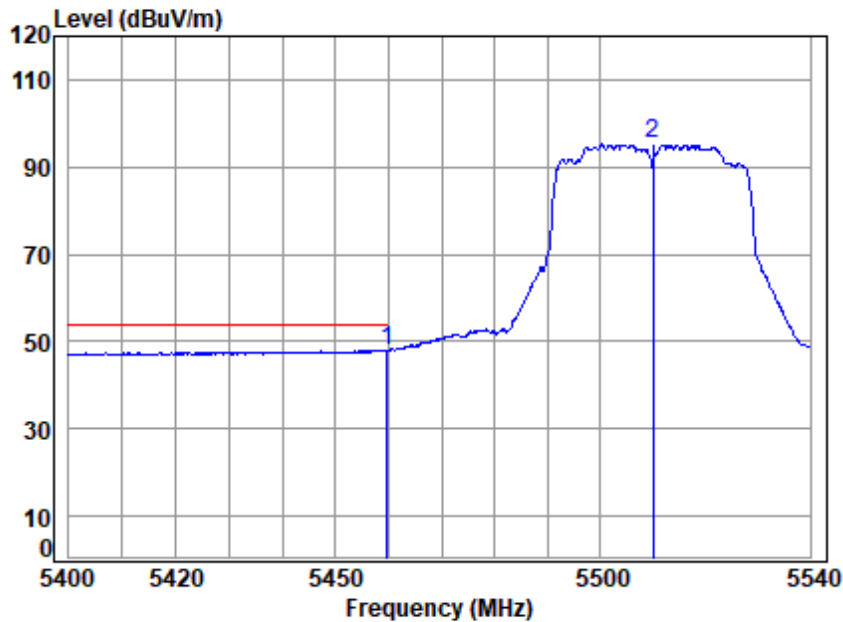


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5510 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5454.314	8.10	34.56	42.35	60.77	61.08	74.00	-12.92 peak
2 5466.473	8.12	34.57	42.35	62.40	62.74	68.20	-5.46 peak
3 * 5510.000	8.18	34.61	42.35	103.95	104.39	68.20	36.19 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

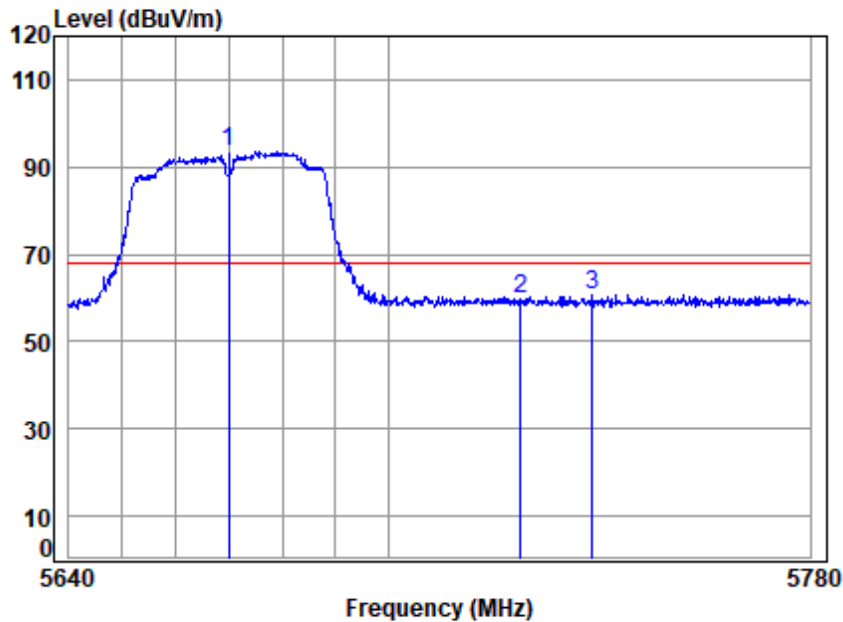


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5510 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5459.622	8.11	34.57	42.35	47.76	48.09	54.00	-5.91
2 5510.000	8.18	34.61	42.35	94.79	95.23	-----	-----



Test Mode: 25; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

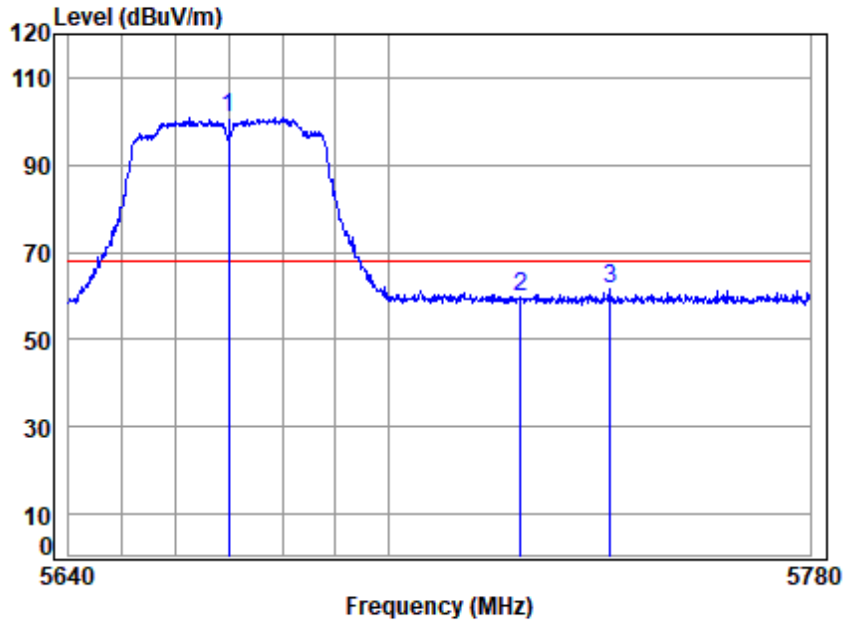


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5670 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	92.89	93.50	68.20	25.30 peak
2 5725.000	8.22	34.83	42.37	59.22	59.90	68.20	-8.30 peak
3 5738.483	8.22	34.84	42.38	60.04	60.72	68.20	-7.48 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



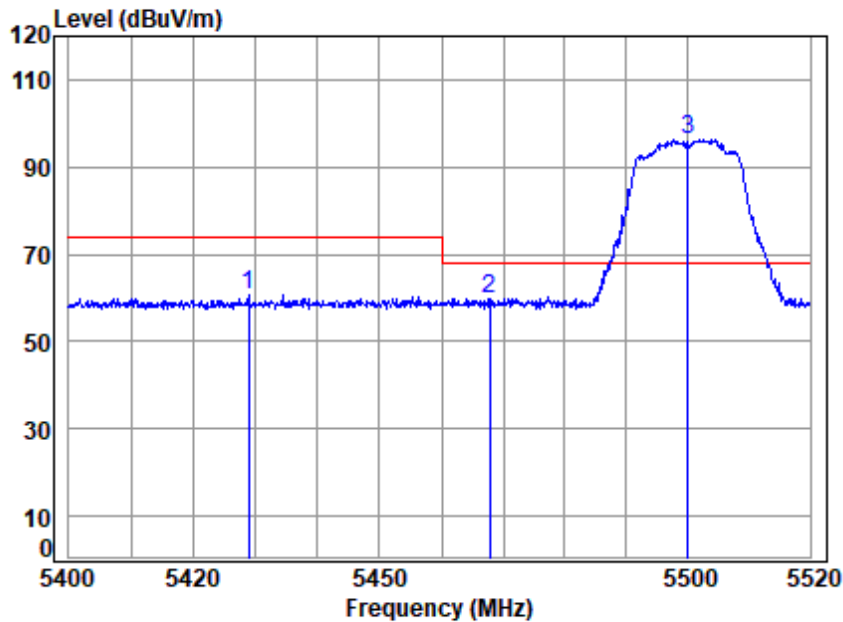
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5670 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	100.30	100.91	68.20	32.71 peak
2 5725.000	8.22	34.83	42.37	59.14	59.82	68.20	-8.38 peak
3 5742.002	8.22	34.85	42.38	60.98	61.67	68.20	-6.53 peak





Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

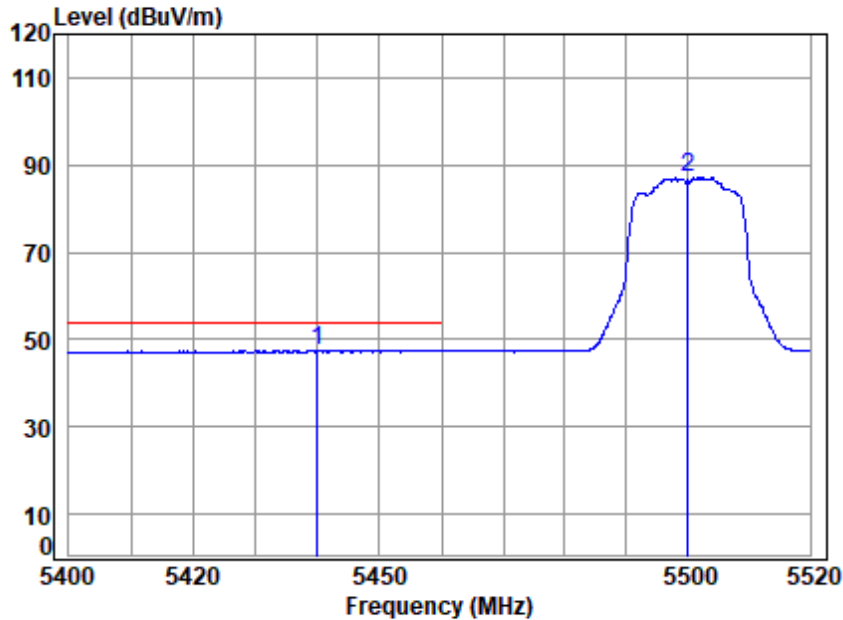


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5428.918	8.06	34.55	42.35	60.27	60.53	74.00	-13.47 peak
2 5467.836	8.13	34.58	42.35	59.35	59.71	68.20	-8.49 peak
3 * 5500.000	8.18	34.60	42.35	95.85	96.28	68.20	28.08 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

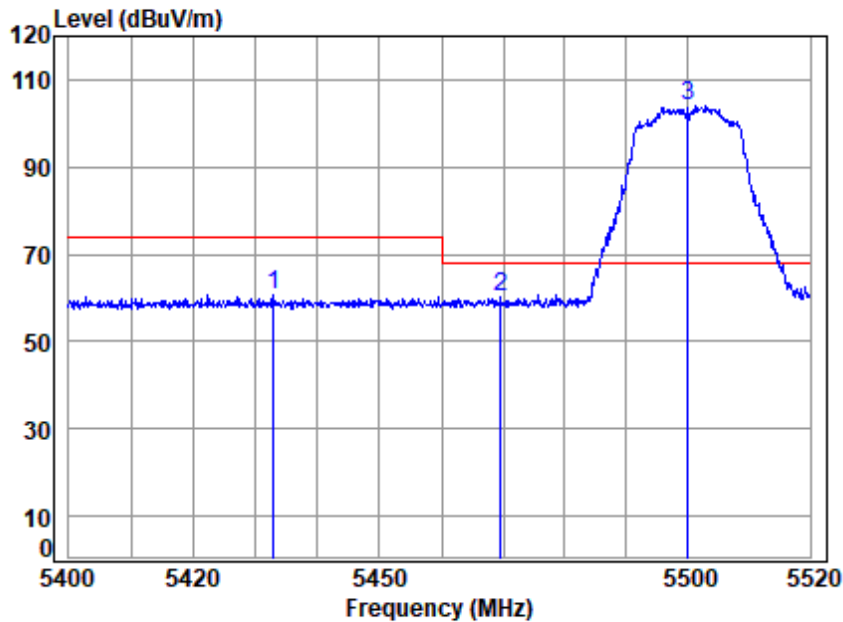


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5439.907	8.08	34.55	42.35	47.22	47.50	54.00	-6.50 Average
2 5500.000	8.18	34.60	42.35	86.64	87.07	-----	----- Average



Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

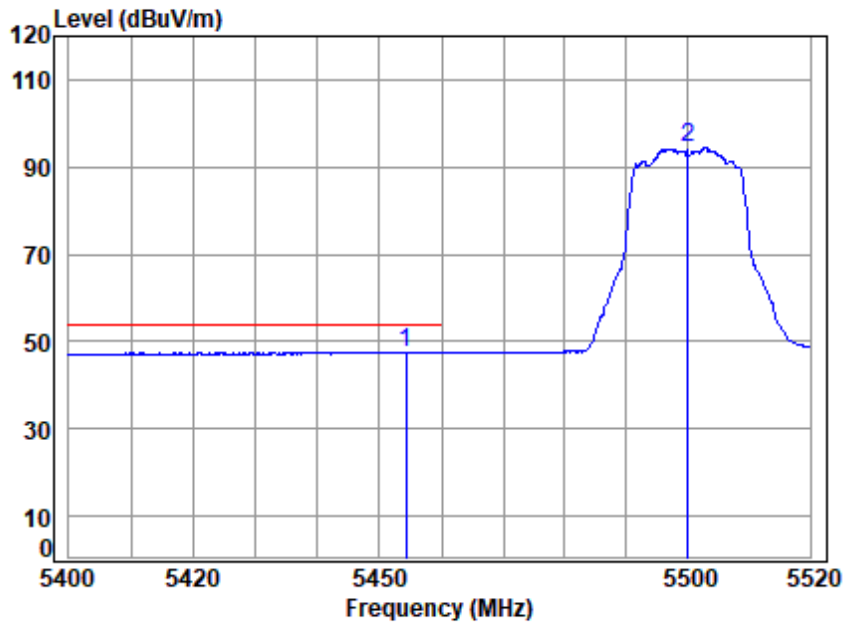


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5432.857	8.07	34.55	42.35	60.28	60.55	74.00	-13.45 peak
2 5469.519	8.13	34.58	42.35	59.76	60.12	68.20	-8.08 peak
3 * 5500.000	8.18	34.60	42.35	103.62	104.05	68.20	35.85 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

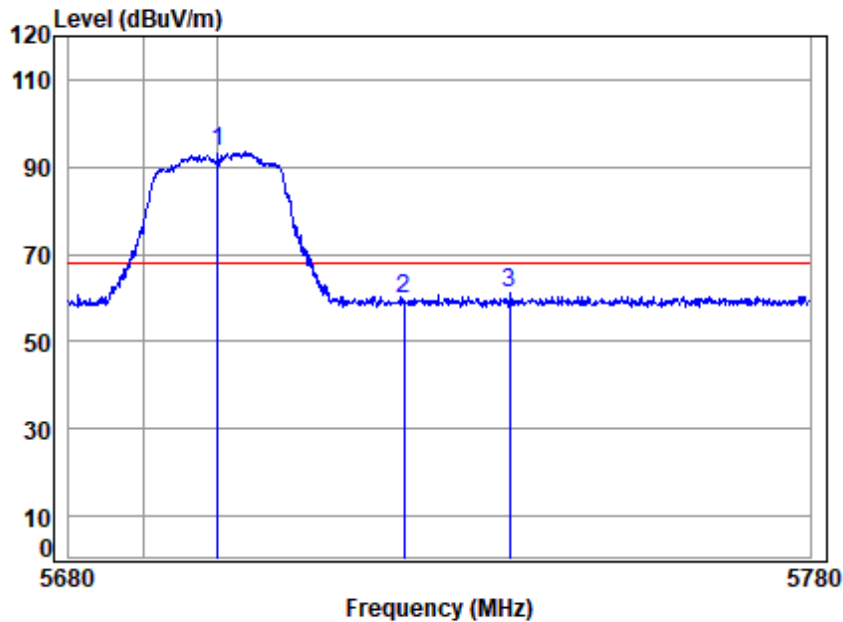


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5454.273	8.10	34.56	42.35	47.28	47.59	54.00	-6.41 Average
2 5500.000	8.18	34.60	42.35	94.07	94.50	-----	----- Average



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



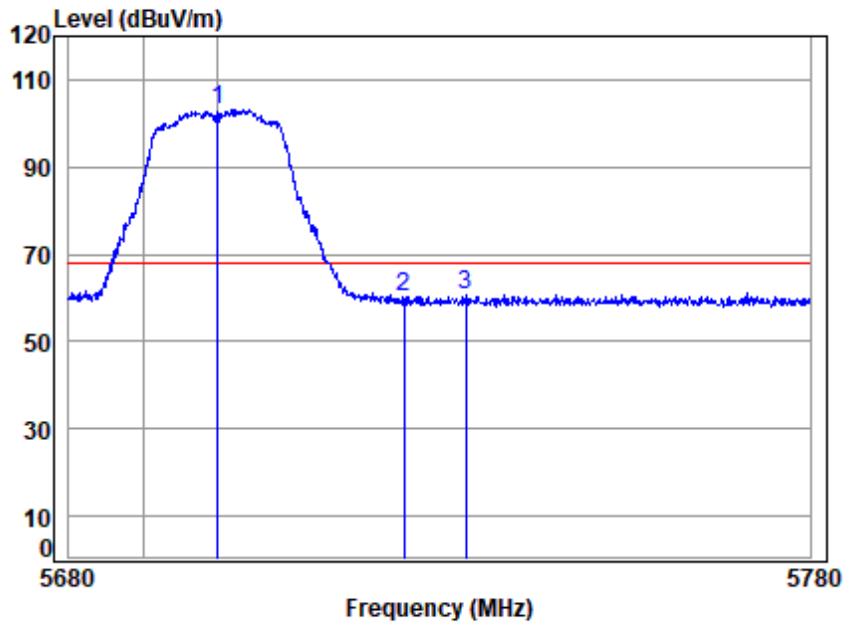
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5700 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	92.81	93.46	68.20	25.26 peak
2 5725.000	8.22	34.83	42.37	58.91	59.59	68.20	-8.61 peak
3 5739.290	8.22	34.84	42.38	60.55	61.23	68.20	-6.97 peak





Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5700 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	102.45	103.10	68.20	34.90 peak
2 5725.000	8.22	34.83	42.37	59.52	60.20	68.20	-8.00 peak
3 5733.283	8.22	34.84	42.38	59.95	60.63	68.20	-7.57 peak

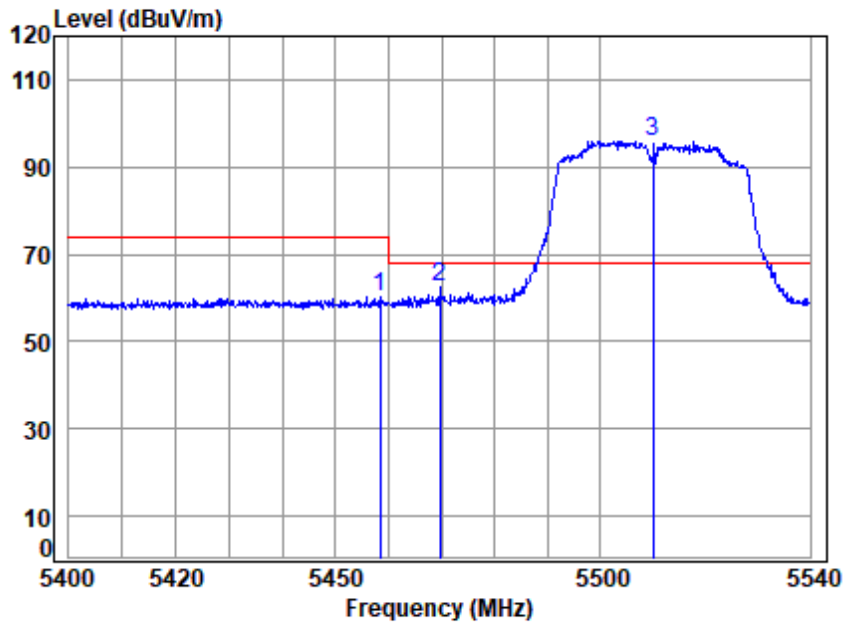


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

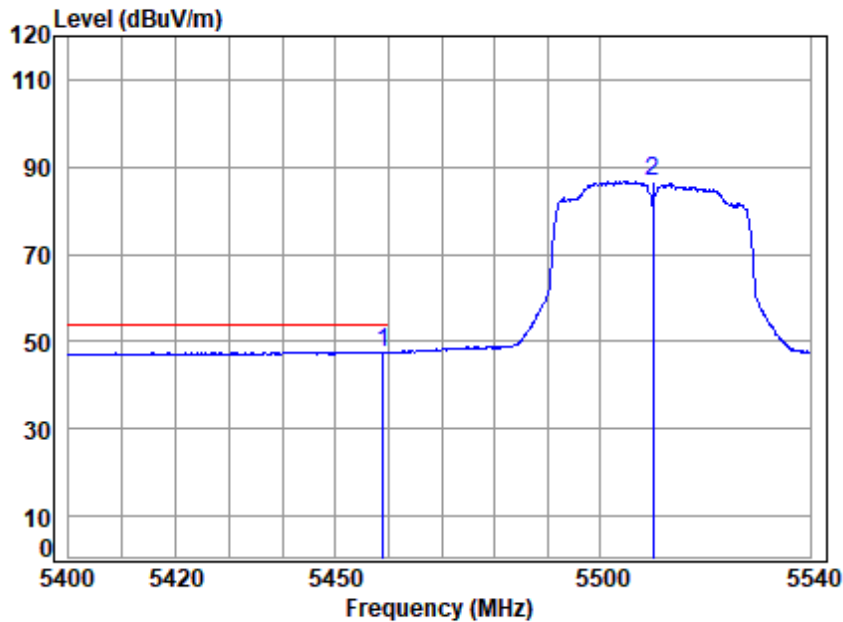


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5510 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5458.364	8.11	34.57	42.35	60.02	60.35	74.00	-13.65 peak
2 5469.692	8.13	34.58	42.35	62.01	62.37	68.20	-5.83 peak
3 * 5510.000	8.18	34.61	42.35	95.60	96.04	68.20	27.84 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 02179CR
Mode      : 5510 Band edge
           : 5G WIFI 11AC40
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.923	8.11	34.57	42.35	47.22	47.55	54.00	-6.45	Average
2	5510.000	8.18	34.61	42.35	86.33	86.77	-----	-----	Average



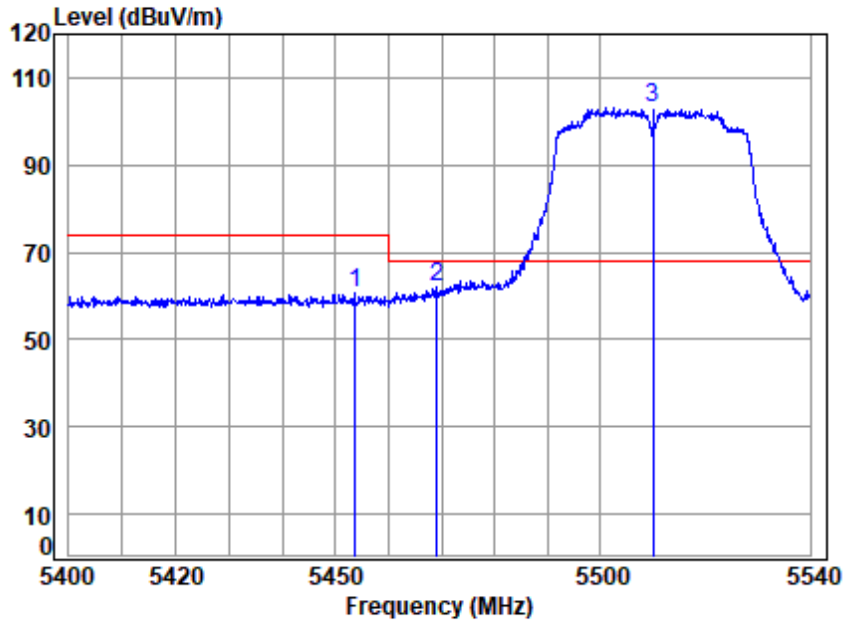
Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein solely reflects the Company's findings at the time of its intervention only and within the limits of its contractual obligations. Any third party's legal responsibility is not affected by the Company's intervention and is not subject to transfer from the holder to the Company. The Company's responsibility is limited to the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention is drawn to the fact that the results of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com).

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

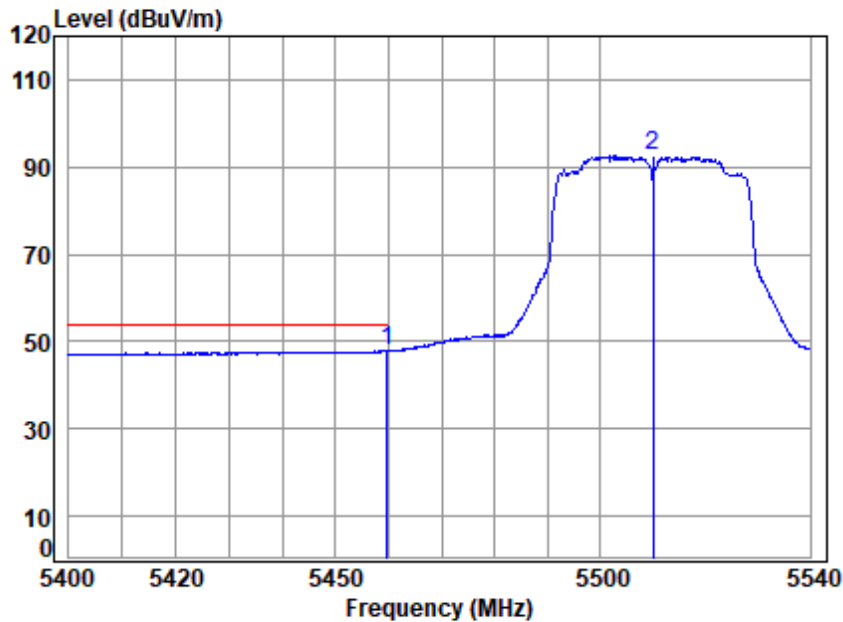


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5510 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5453.616	8.10	34.56	42.35	60.22	60.53	74.00	-13.47 peak
2 5469.132	8.13	34.58	42.35	61.68	62.04	68.20	-6.16 peak
3 * 5510.000	8.18	34.61	42.35	102.65	103.09	68.20	34.89 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



```
Site      : chamber
Condition: 3m VERTICAL
Job No    : 02179CR
Mode      : 5510 Band edge
           : 5G WIFI 11AC40
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.761	8.11	34.57	42.35	47.47	47.80	54.00	-6.20	Average
2	5510.000	8.18	34.61	42.35	92.08	92.52	-----	-----	Average



Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein solely reflects the Company's findings at the time of its intervention only and within the limits of its contractual obligations. Any third party's legal responsibility is not transferred to the Company. The document is not to be part of a transaction, nor does it transfer or create any rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

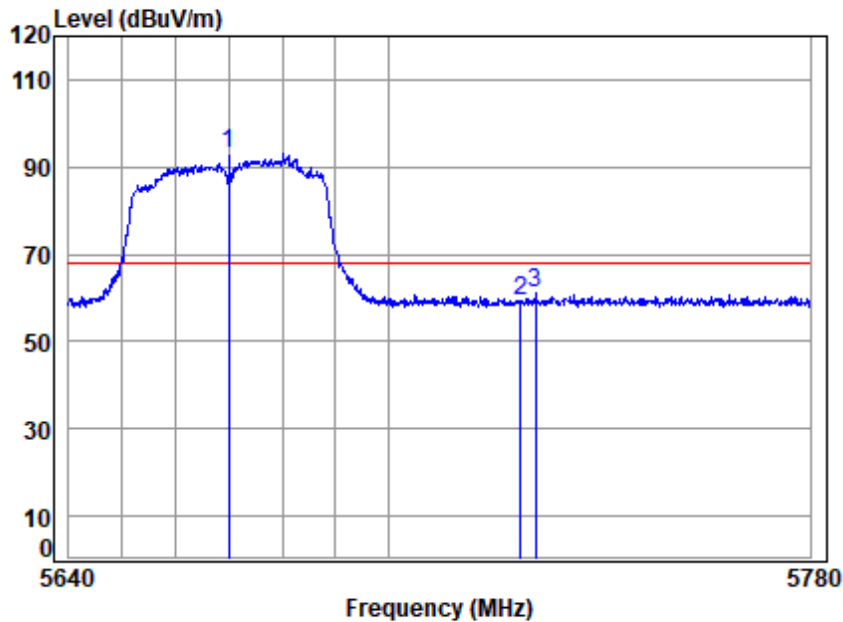
Attention is drawn to the fact that the results of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com).

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgsg.china@sgs.com



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

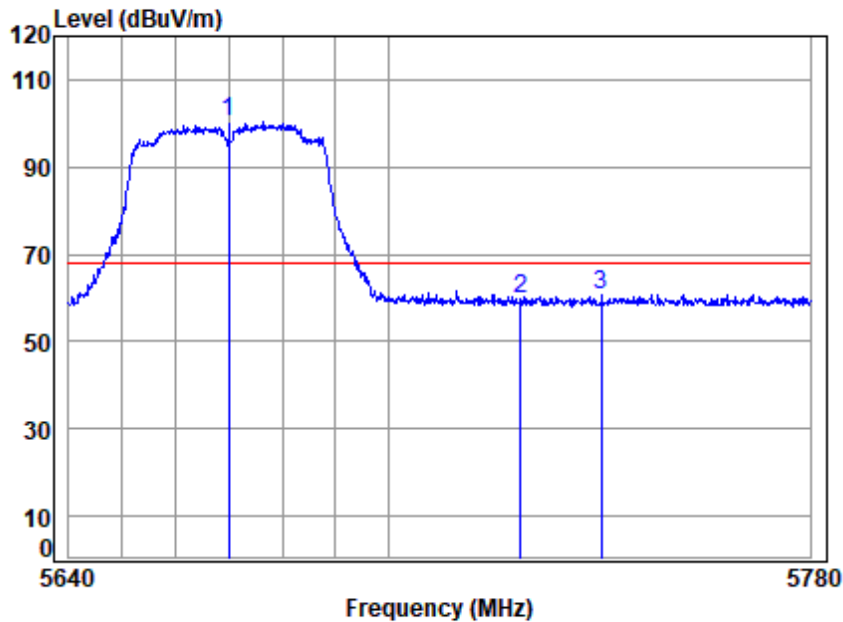


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5670 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	92.39	93.00	68.20	24.80 peak
2 5725.000	8.22	34.83	42.37	58.77	59.45	68.20	-8.75 peak
3 5727.659	8.22	34.83	42.37	60.36	61.04	68.20	-7.16 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5670 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	99.63	100.24	68.20	32.04 peak
2 5725.000	8.22	34.83	42.37	58.87	59.55	68.20	-8.65 peak
3 5740.313	8.22	34.85	42.38	60.07	60.76	68.20	-7.44 peak

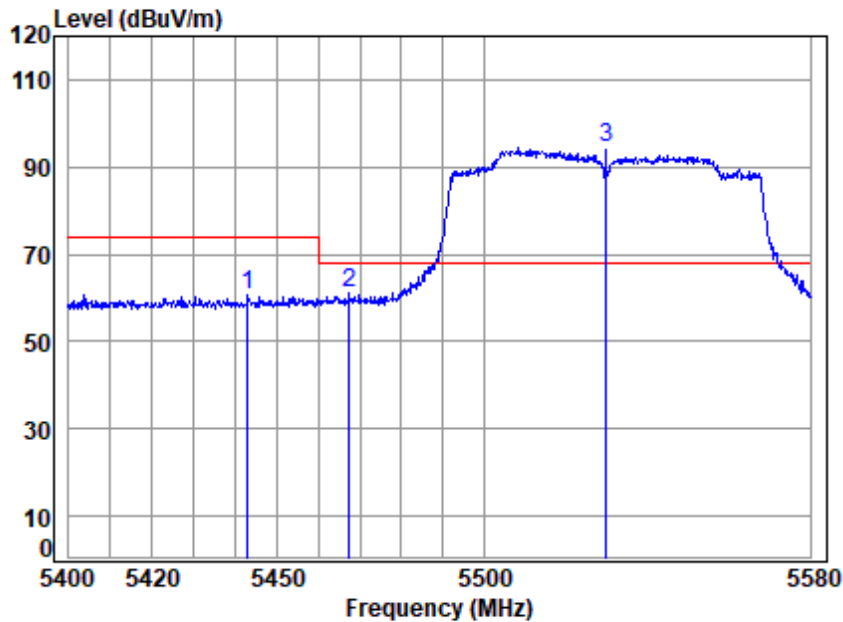


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

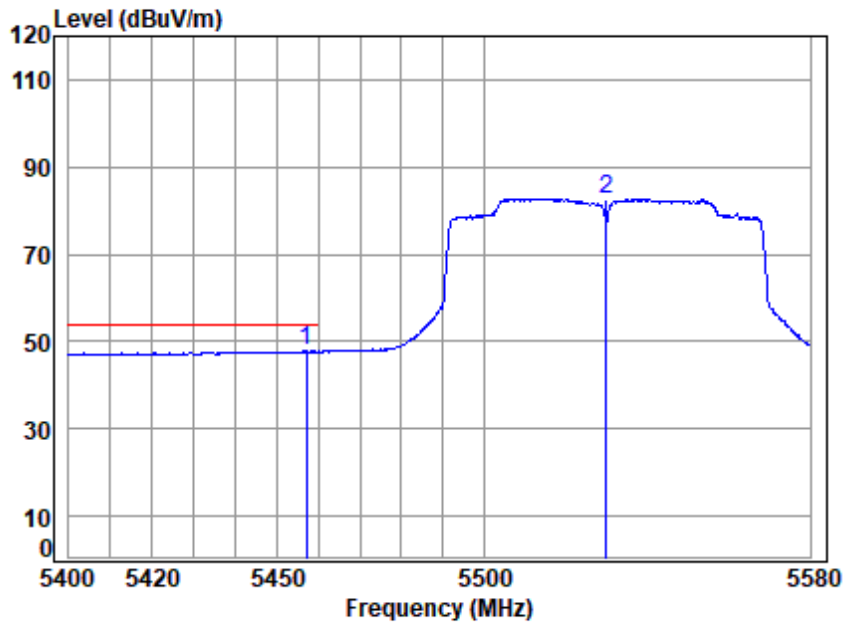


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5530 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5442.842	8.08	34.56	42.35	60.27	60.56	74.00	-13.44 peak
2 5467.347	8.13	34.58	42.35	60.62	60.98	68.20	-7.22 peak
3 * 5530.000	8.19	34.63	42.36	93.96	94.42	68.20	26.22 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

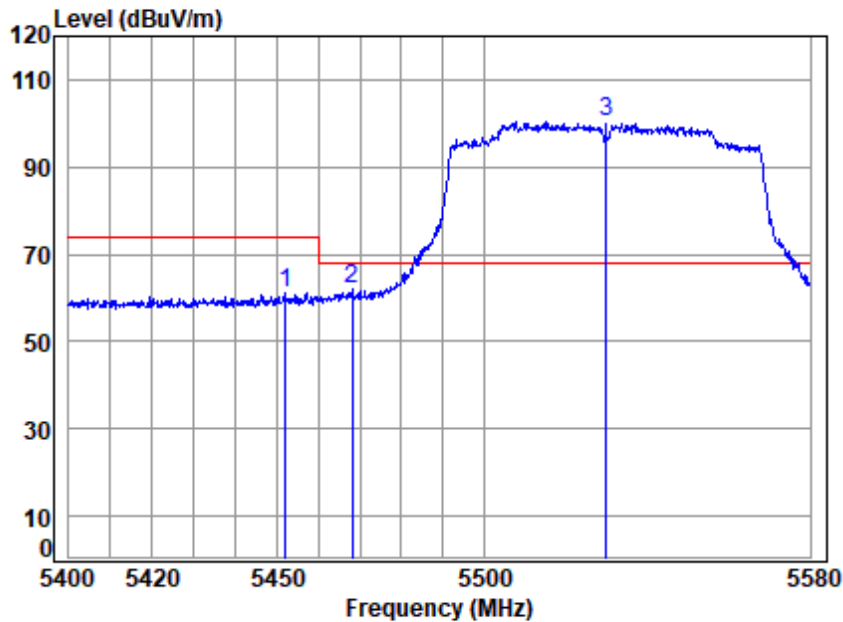


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5530 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5456.959	8.11	34.57	42.35	47.47	47.80	54.00	-6.20 Average
2 5530.000	8.19	34.63	42.36	82.18	82.64	-----	----- Average



Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



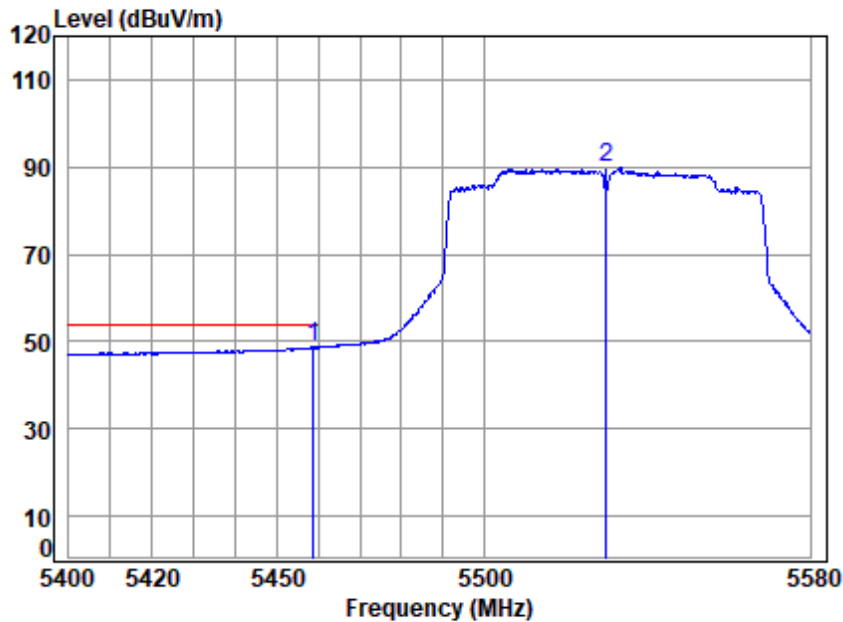
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5530 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5451.951	8.10	34.56	42.35	60.78	61.09	74.00	-12.91 peak
2 5468.064	8.13	34.58	42.35	61.63	61.99	68.20	-6.21 peak
3 * 5530.000	8.19	34.63	42.36	99.83	100.29	68.20	32.09 peak





Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

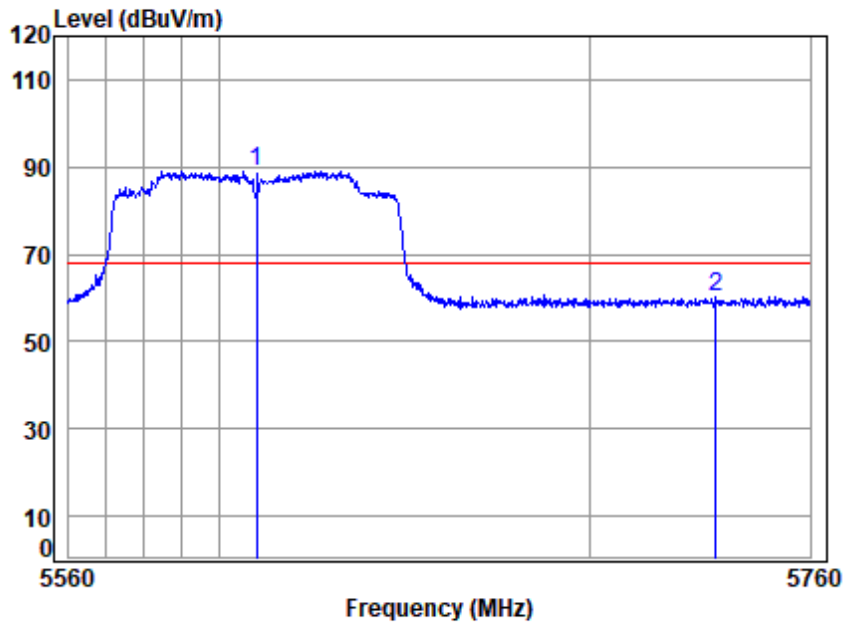


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5530 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5458.749	8.11	34.57	42.35	48.36	48.69	54.00	-5.31 Average
2 5530.000	8.19	34.63	42.36	89.52	89.98	-----	----- Average



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

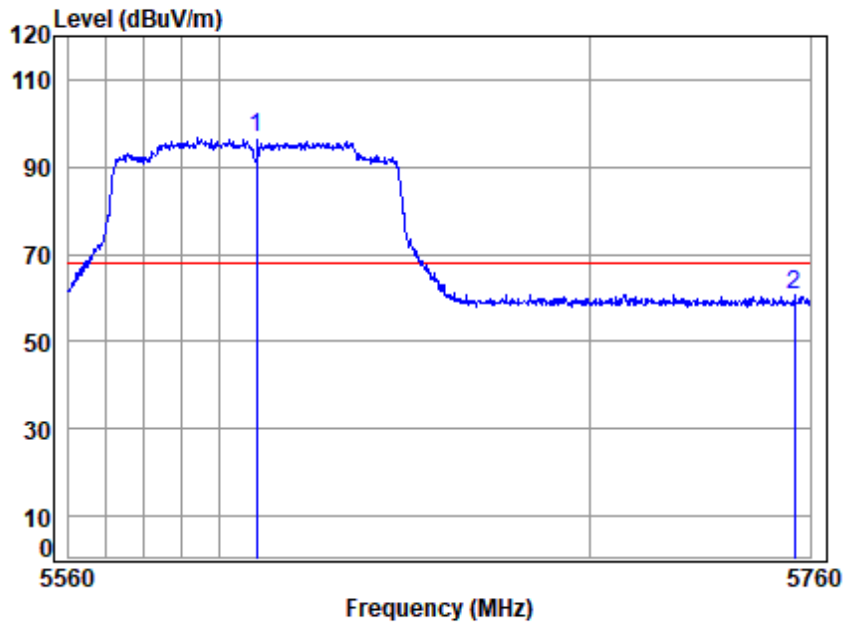


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5610 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5610.000	8.20	34.71	42.36	88.38	88.93	68.20	20.73 peak
2 5734.207	8.22	34.84	42.38	59.74	60.42	68.20	-7.78 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

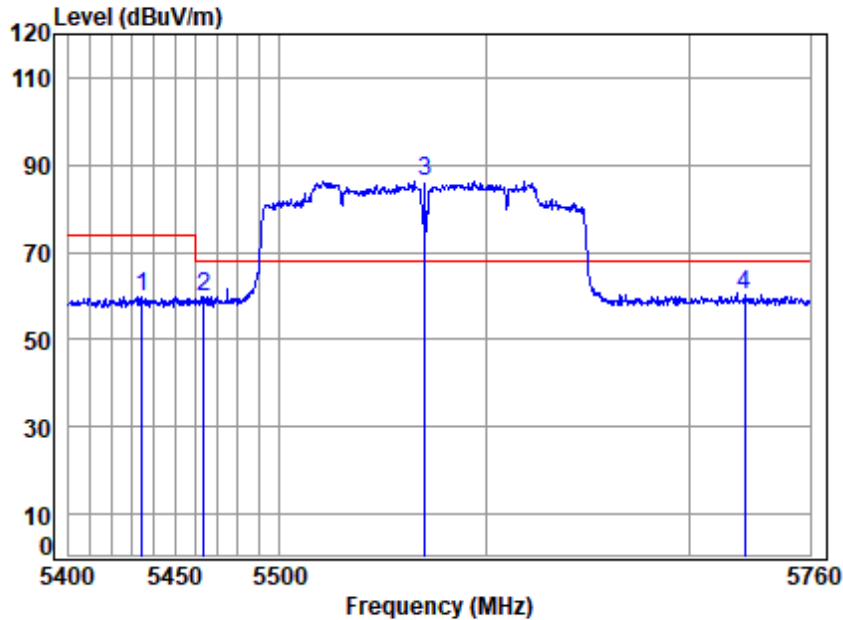


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5610 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5610.000	8.20	34.71	42.36	96.13	96.68	68.20	28.48 peak
2 5755.727	8.22	34.86	42.38	59.85	60.55	68.20	-7.65 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:Middle

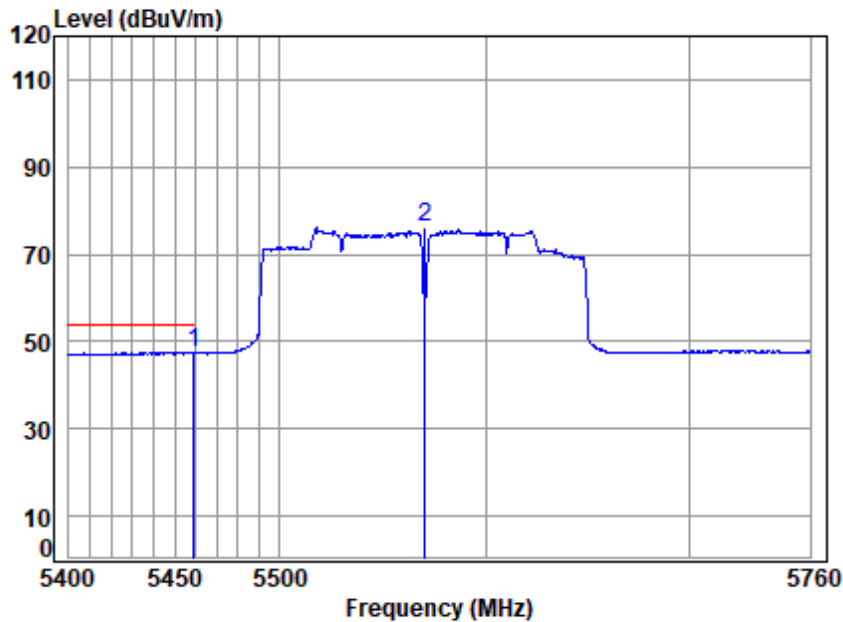


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5570 Band edge  
: 5G WIFI 11AC160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5434.613	8.07	34.55	42.35	59.68	59.95	74.00	-14.05 peak
2 5463.802	8.12	34.57	42.35	59.40	59.74	68.20	-8.46 peak
3 * 5570.000	8.19	34.67	42.36	85.80	86.30	68.20	18.10 peak
4 5727.379	8.22	34.83	42.37	59.59	60.27	68.20	-7.93 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:Middle



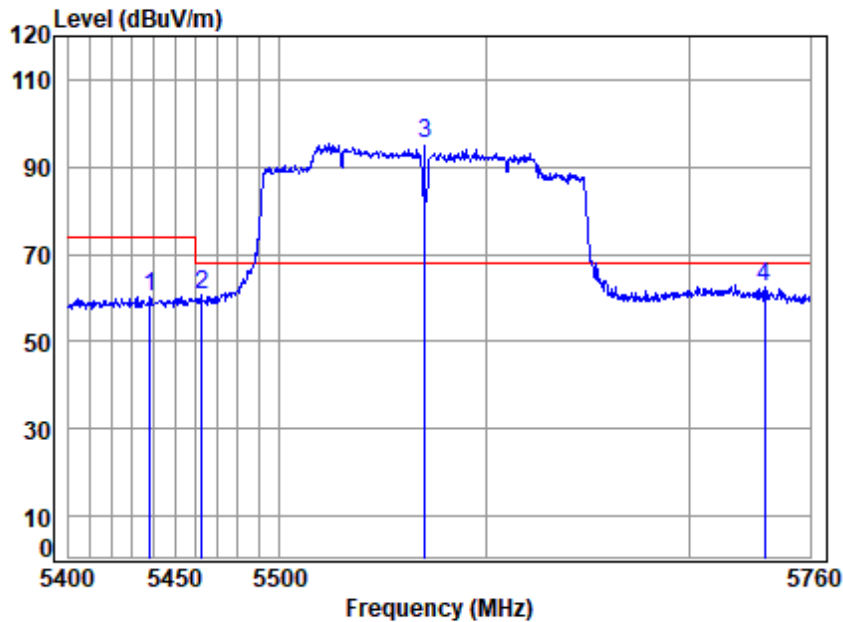
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5570 Band edge  
: 5G WIFI 11AC160

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5459.220	8.11	34.57	42.35	47.13	47.46	54.00	-6.54 Average
2	5570.000	8.19	34.67	42.36	75.50	76.00	-----	----- Average





Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:Middle

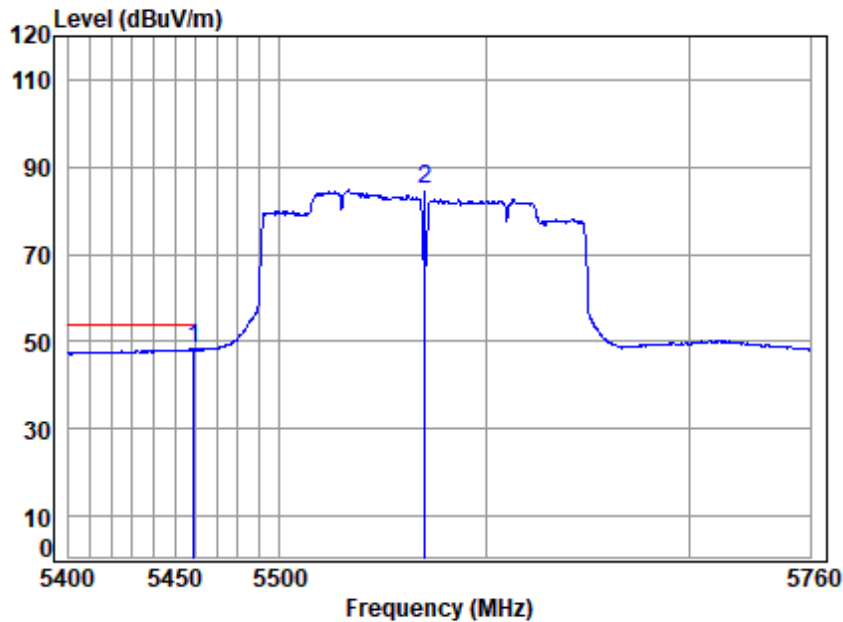


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5570 Band edge  
: 5G WIFI 11AC160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5438.121	8.08	34.55	42.35	59.94	60.22	74.00	-13.78 peak
2 5462.745	8.12	34.57	42.35	60.30	60.64	68.20	-7.56 peak
3 * 5570.000	8.19	34.67	42.36	94.83	95.33	68.20	27.13 peak
4 5737.368	8.22	34.84	42.38	61.79	62.47	68.20	-5.73 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:Middle

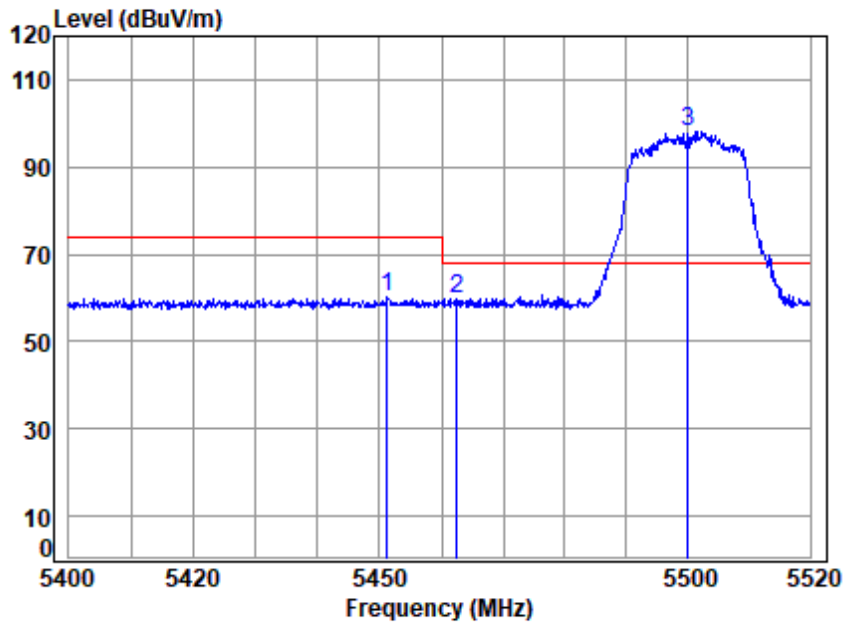


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5570 Band edge  
: 5G WIFI 11AC160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5459.220	8.11	34.57	42.35	48.05	48.38	54.00	-5.62 Average
2 5570.000	8.19	34.67	42.36	84.25	84.75	-----	----- Average



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low

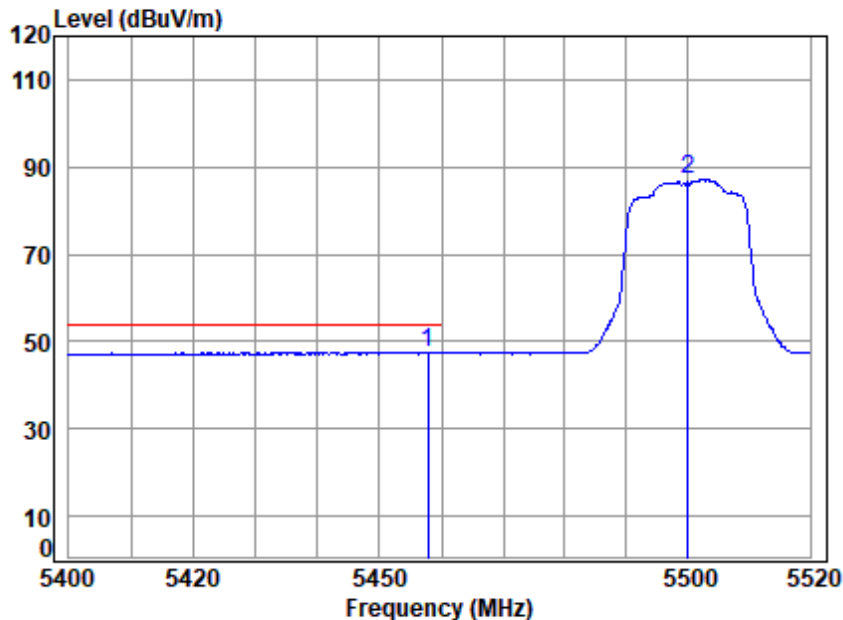


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5451.277	8.10	34.56	42.35	59.70	60.01	74.00	-13.99 peak
2 5462.551	8.12	34.57	42.35	59.54	59.88	68.20	-8.32 peak
3 * 5500.000	8.18	34.60	42.35	97.79	98.22	68.20	30.02 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 02179CR
Mode      : 5500 Band edge
           : 5G WIFI 11AX20
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.871	8.11	34.57	42.35	47.14	47.47	54.00	-6.53	Average
2	5500.000	8.18	34.60	42.35	86.69	87.12	-----	-----	Average



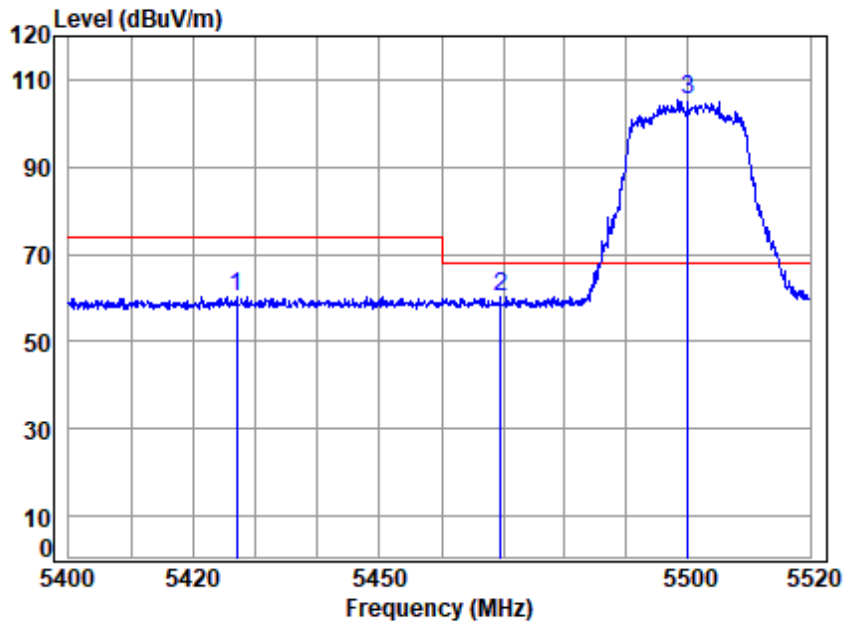
Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein solely reflects the Company's findings at the time of its intervention only and within the limits of its contractual obligations. Any third party's legal responsibility is not affected by the issuance of this document. In particular, the transfer of documents from existing to new holders does not affect the rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention is drawn to the fact that the results of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com).

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgsc.china@sgs.com

Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



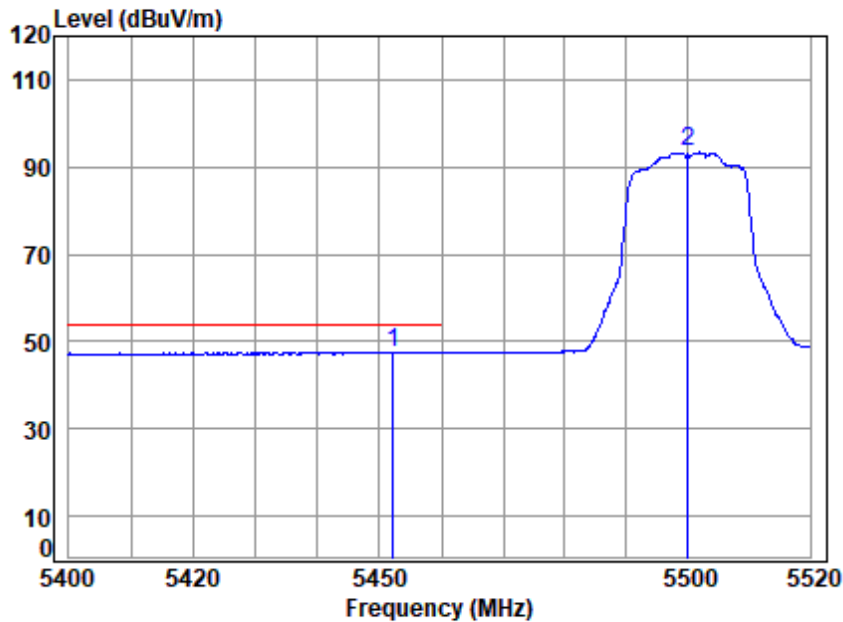
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5426.890	8.06	34.54	42.34	59.96	60.22	74.00	-13.78 peak
2 5469.519	8.13	34.58	42.35	59.68	60.04	68.20	-8.16 peak
3 * 5500.000	8.18	34.60	42.35	104.83	105.26	68.20	37.06 peak





Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low

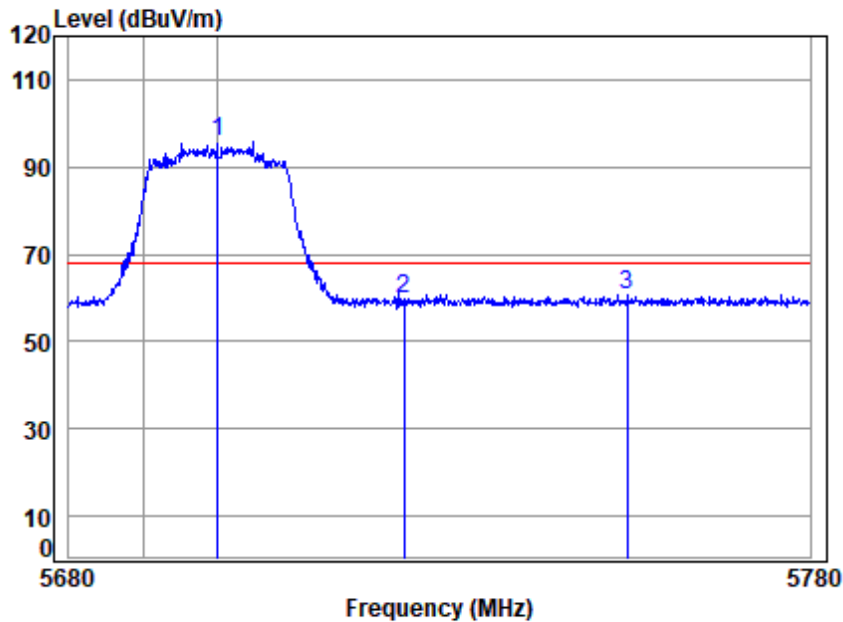


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5500 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5452.235	8.10	34.56	42.35	47.24	47.55	54.00	-6.45
2 5500.000	8.18	34.60	42.35	92.89	93.32	-----	-----



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:High

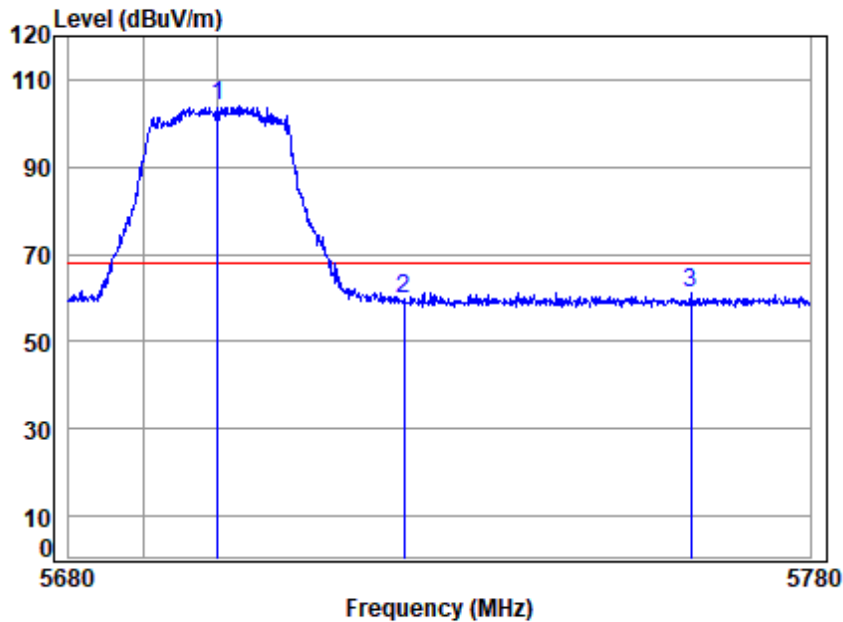


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5700 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	95.24	95.89	68.20	27.69 peak
2 5725.000	8.22	34.83	42.37	59.27	59.95	68.20	-8.25 peak
3 5755.138	8.22	34.86	42.38	60.18	60.88	68.20	-7.32 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High

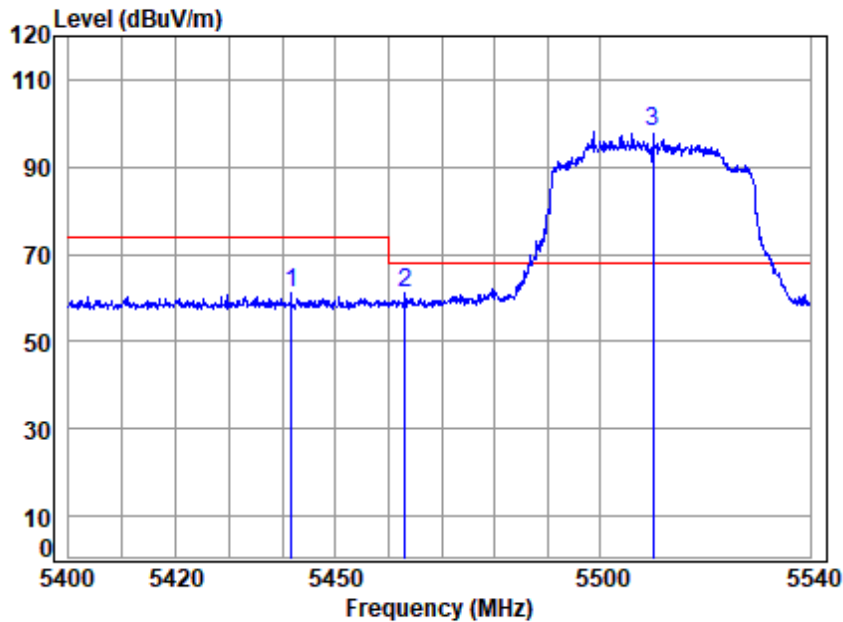


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5700 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5700.000	8.21	34.81	42.37	103.55	104.20	68.20	36.00	peak
2 5725.000	8.22	34.83	42.37	59.16	59.84	68.20	-8.36	peak
3 5763.782	8.22	34.87	42.38	60.48	61.19	68.20	-7.01	peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

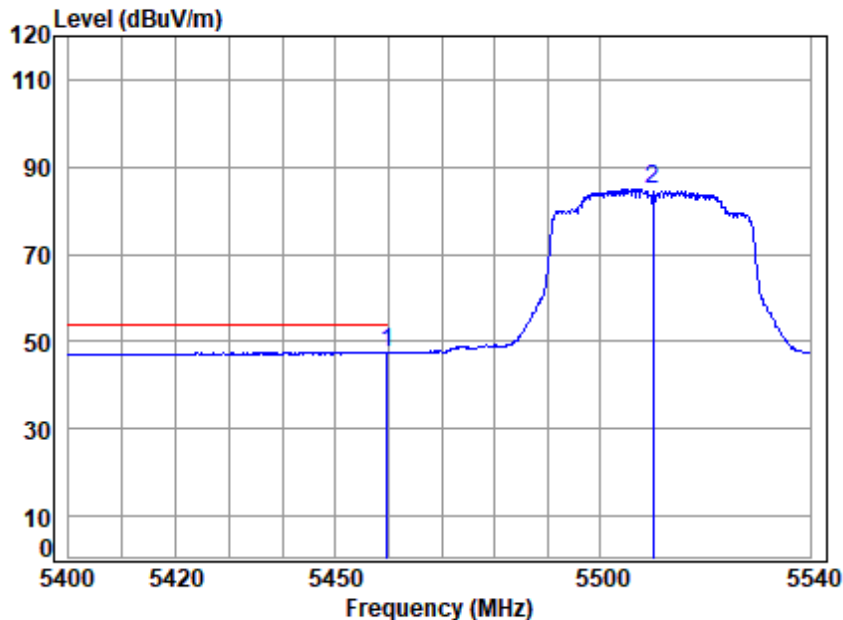


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5510 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5441.625	8.08	34.56	42.35	60.66	60.95	74.00	-13.05 peak
2 5463.116	8.12	34.57	42.35	60.67	61.01	68.20	-7.19 peak
3 * 5510.000	8.18	34.61	42.35	97.63	98.07	68.20	29.87 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 02179CR
Mode      : 5510 Band edge
          : 5G WIFI 11AX40
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.622	8.11	34.57	42.35	47.23	47.56	54.00	-6.44	Average
2	5510.000	8.18	34.61	42.35	84.45	84.89	-----	-----	Average



Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein solely reflects the Company's findings at the time of its intervention only and within the limits of its contractual obligations. Any third party's legal responsibility is not affected by the Company's intervention and is not subject to transfer from the holder to the Company. The Company's responsibility is limited to the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

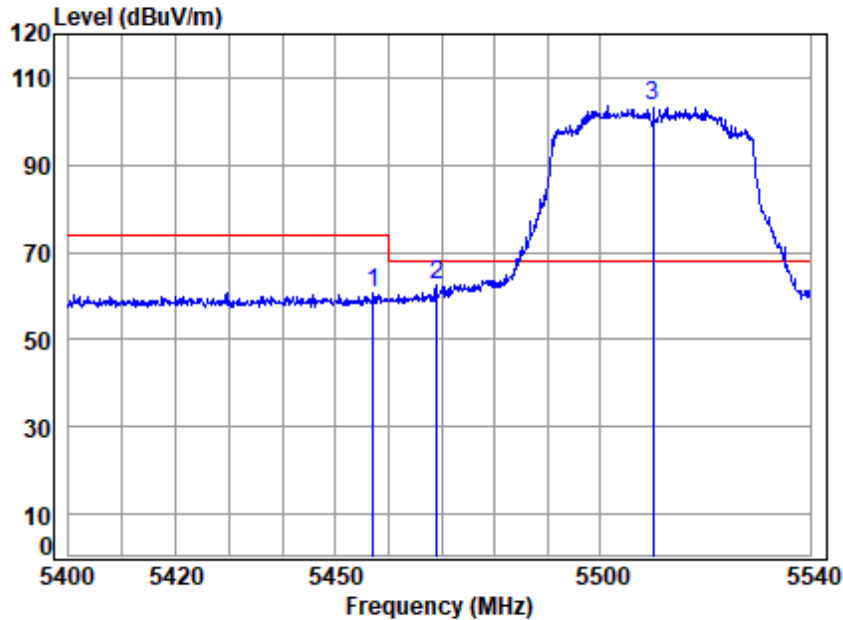
Attention is drawn to the fact that the results of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com).

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgsc.china@sgs.com



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

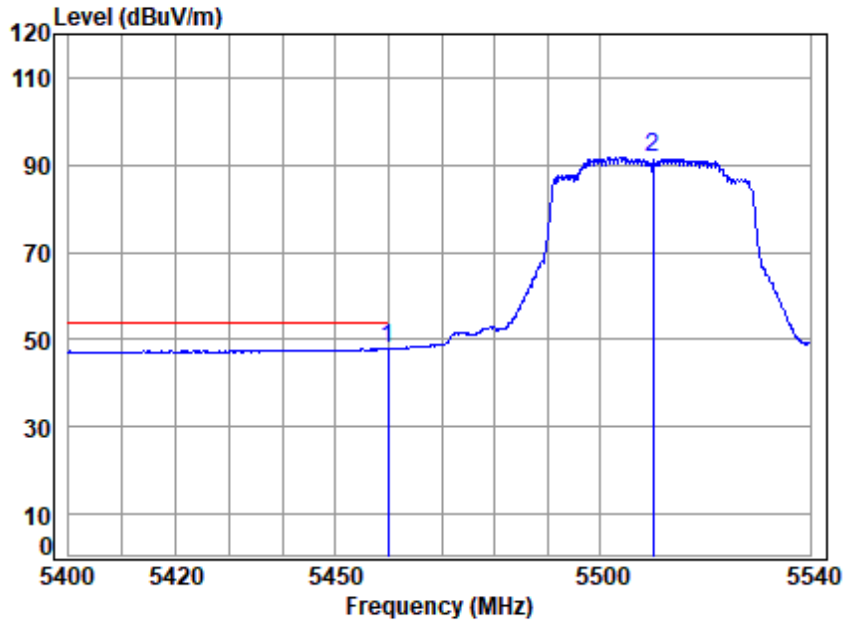


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5510 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5456.967	8.11	34.57	42.35	60.53	60.86	74.00	-13.14 peak
2 5468.992	8.13	34.58	42.35	62.03	62.39	68.20	-5.81 peak
3 * 5510.000	8.18	34.61	42.35	103.04	103.48	68.20	35.28 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

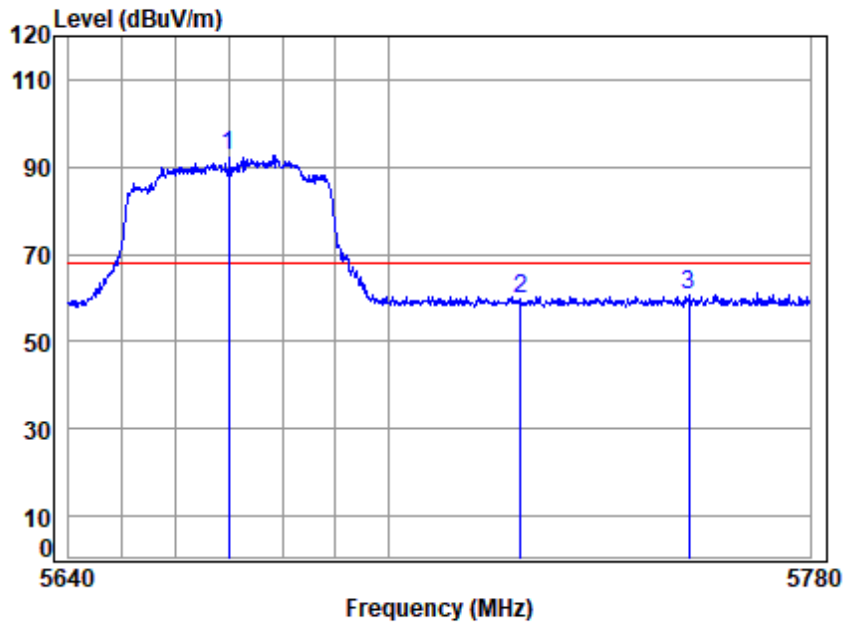


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5510 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5459.901	8.11	34.57	42.35	47.67	48.00	54.00	-6.00
2 5510.000	8.18	34.61	42.35	91.40	91.84	-----	-----



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

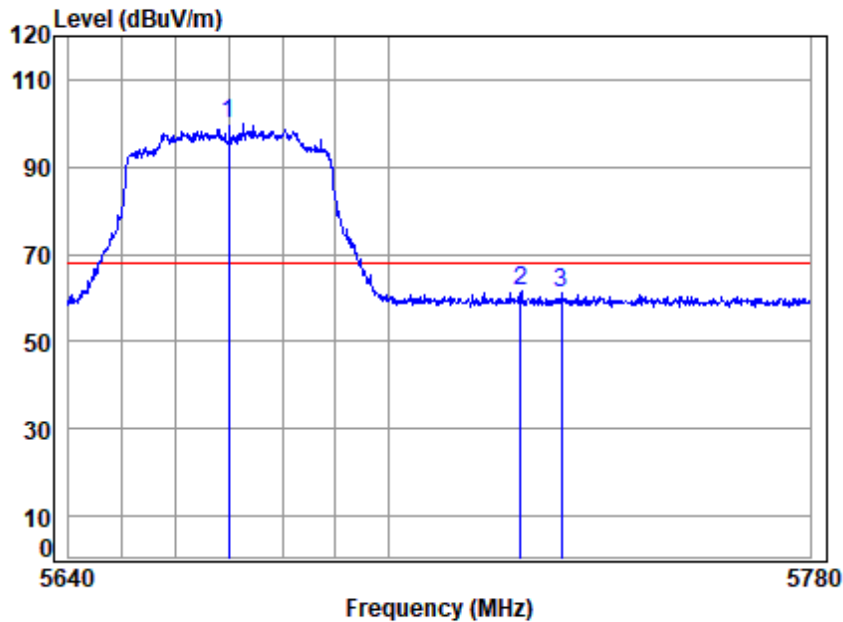


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5670 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	91.96	92.57	68.20	24.37 peak
2 5725.000	8.22	34.83	42.37	58.97	59.65	68.20	-8.55 peak
3 5756.804	8.22	34.86	42.38	59.94	60.64	68.20	-7.56 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

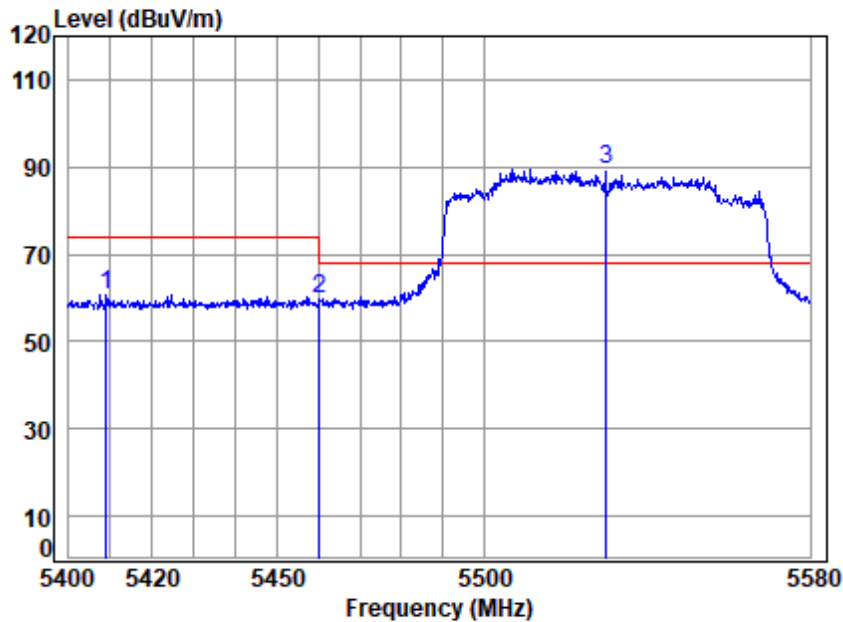


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5670 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	99.45	100.06	68.20	31.86 peak
2 5725.000	8.22	34.83	42.37	60.79	61.47	68.20	-6.73 peak
3 5732.577	8.22	34.84	42.37	60.29	60.98	68.20	-7.22 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:Low



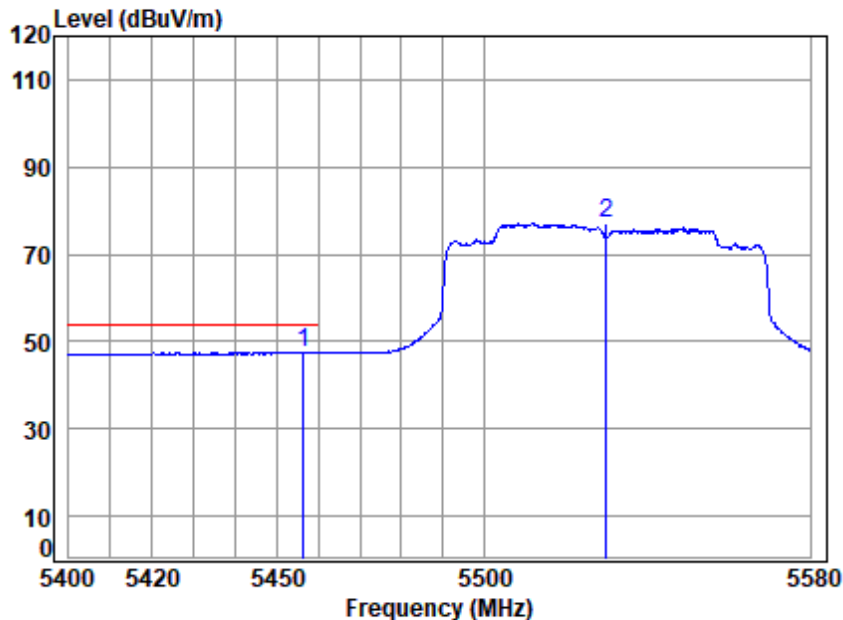
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5530 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5409.038	8.03	34.53	42.34	60.55	60.77	74.00	-13.23 peak
2 5460.181	8.11	34.57	42.35	59.55	59.88	68.20	-8.32 peak
3 * 5530.000	8.19	34.63	42.36	88.88	89.34	68.20	21.14 peak





Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:Low



```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 02179CR
Mode      : 5530 Band edge
           : 5G WIFI 11AX80
```

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5456.422	8.11	34.57	42.35	47.18	47.51	54.00	-6.49	Average
2	5530.000	8.19	34.63	42.36	76.75	77.21	-----	-----	Average



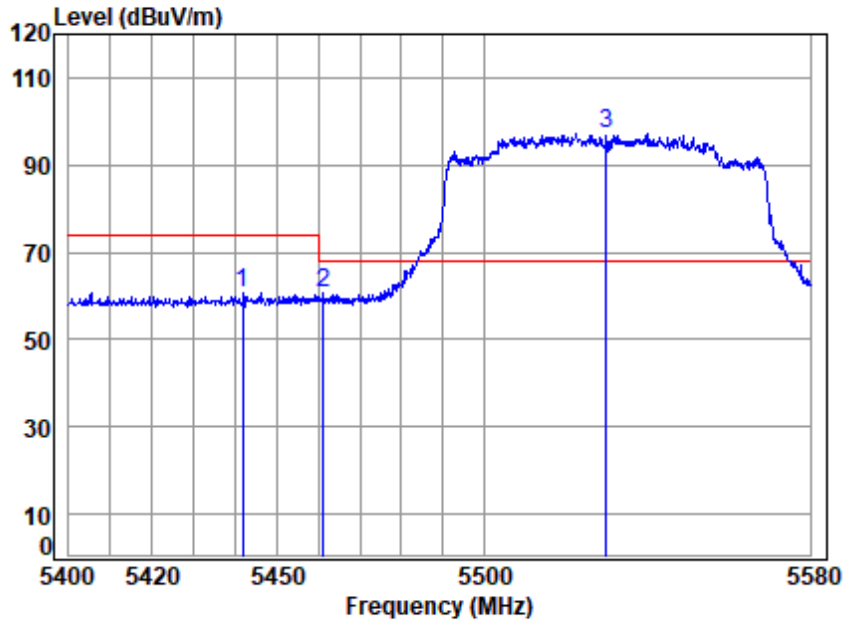
Unless otherwise agreed in writing this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of its contractual obligations. Any third party's sole responsibility is to ensure that the document is not used in part or in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention is drawn to the fact that the results of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com).

SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch Testing Center EEC Laboratory

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgsc.china@sgs.com

Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:Low

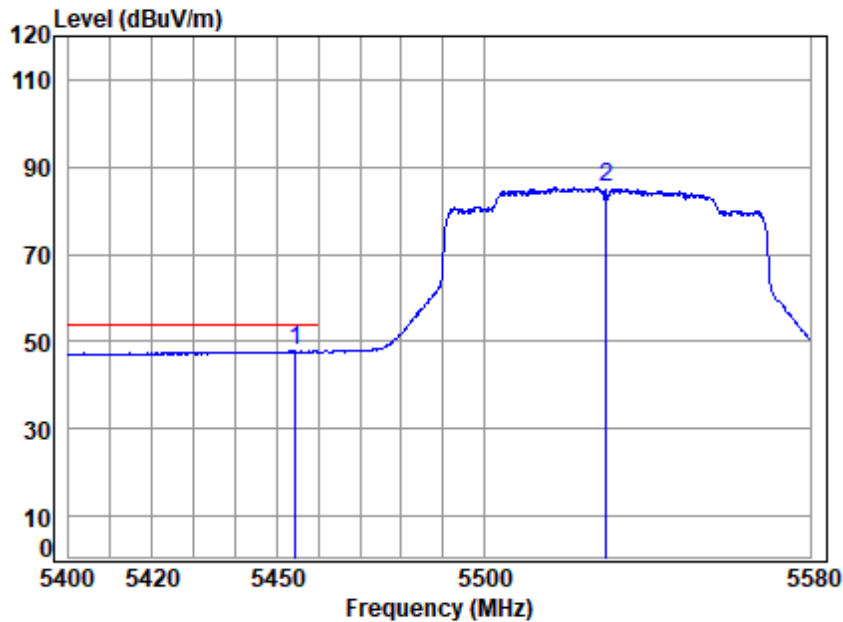


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5530 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5441.771	8.08	34.56	42.35	60.47	60.76	74.00	-13.24 peak
2 5461.255	8.11	34.57	42.35	60.50	60.83	68.20	-7.37 peak
3 * 5530.000	8.19	34.63	42.36	96.86	97.32	68.20	29.12 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:Low

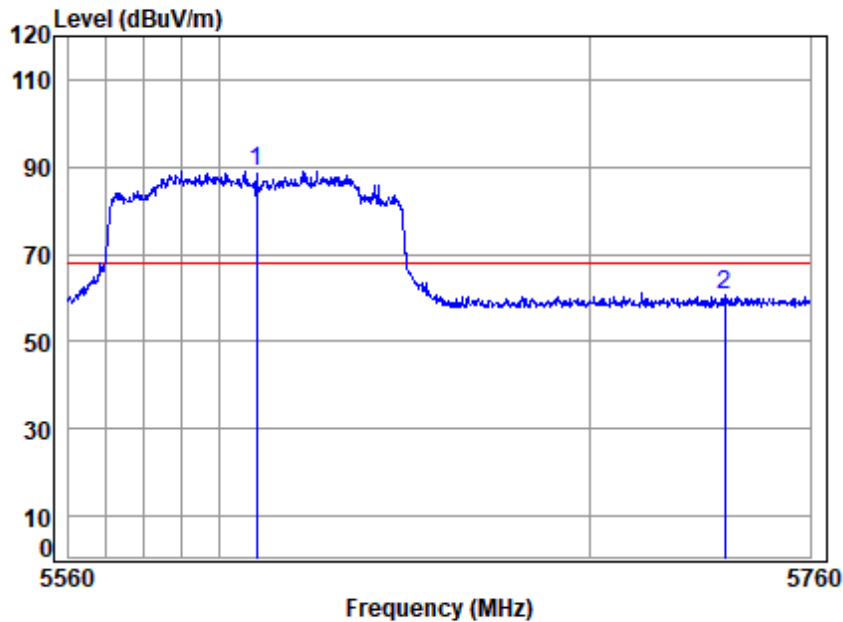


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5530 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5454.455	8.10	34.57	42.35	47.56	47.88	54.00	-6.12 Average
2 5530.000	8.19	34.63	42.36	84.74	85.20	-----	----- Average



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:High

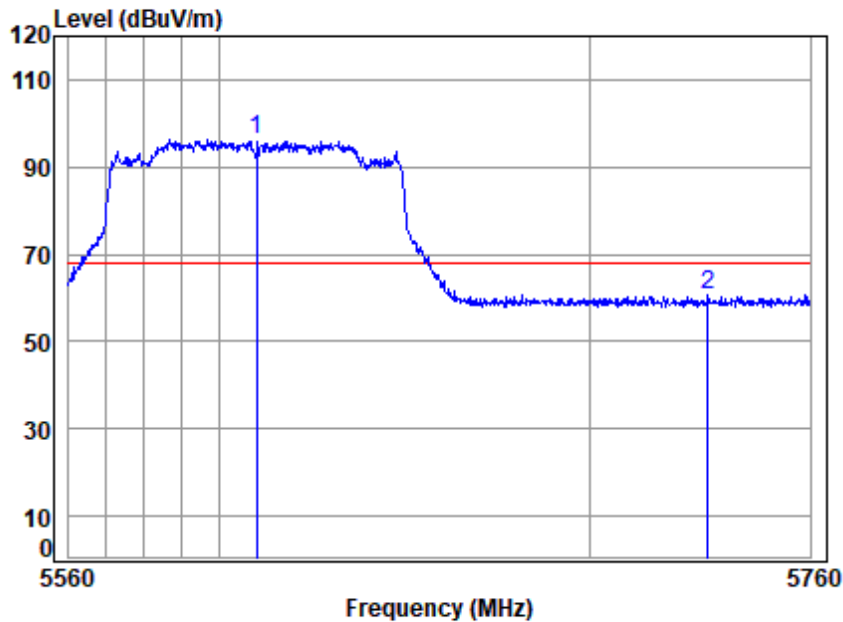


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5610 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5610.000	8.20	34.71	42.36	88.45	89.00	68.20	20.80 peak
2 5736.639	8.22	34.84	42.38	60.05	60.73	68.20	-7.47 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:High



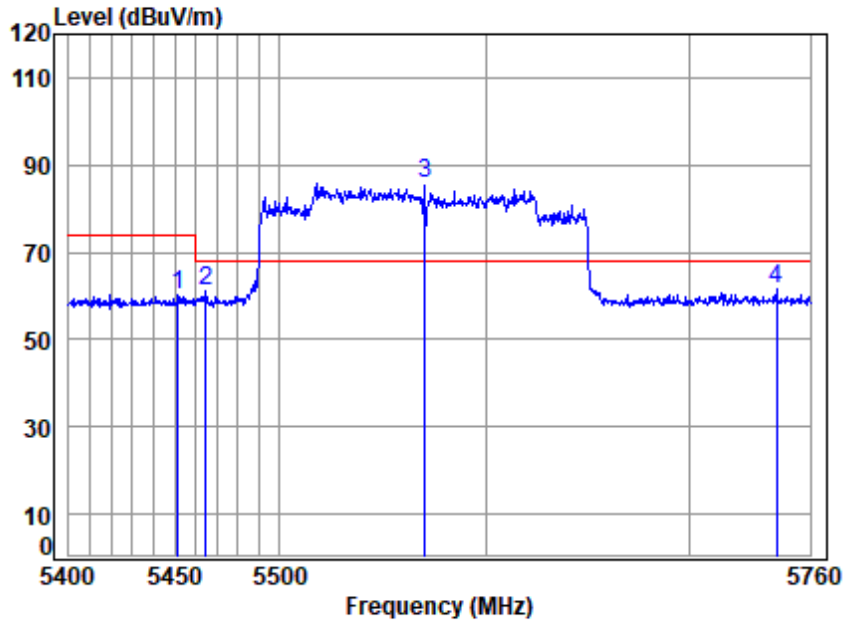
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5610 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5610.000	8.20	34.71	42.36	95.75	96.30	68.20	28.10	peak
2 5731.978	8.22	34.84	42.37	59.86	60.55	68.20	-7.65	peak





Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:160MHz; Channel:Middle

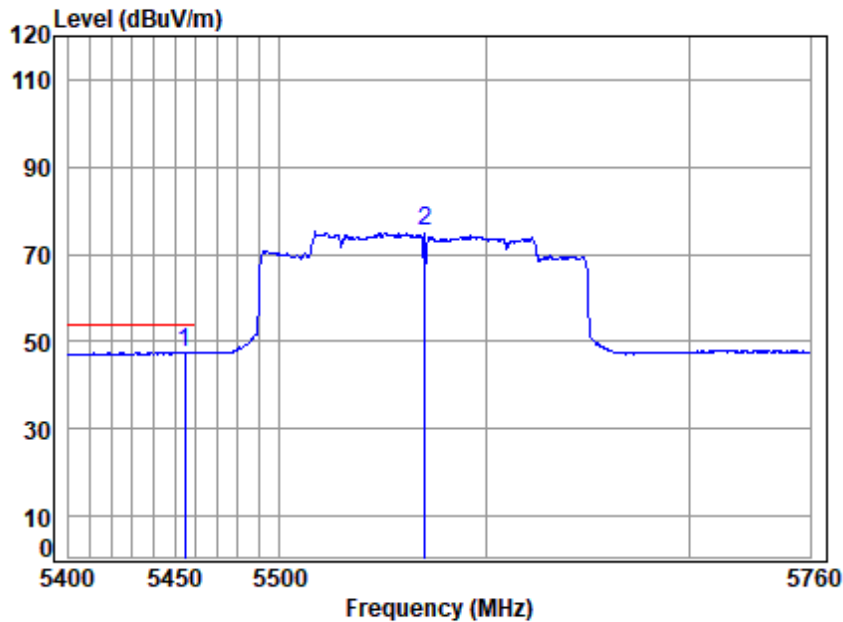


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5570 Band edge  
: 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5451.475	8.10	34.56	42.35	59.98	60.29	74.00	-13.71 peak
2 5464.860	8.12	34.57	42.35	60.94	61.28	68.20	-6.92 peak
3 * 5570.000	8.19	34.67	42.36	85.23	85.73	68.20	17.53 peak
4 5743.296	8.22	34.85	42.38	60.70	61.39	68.20	-6.81 peak



Test Mode: 25; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:160MHz; Channel:Middle

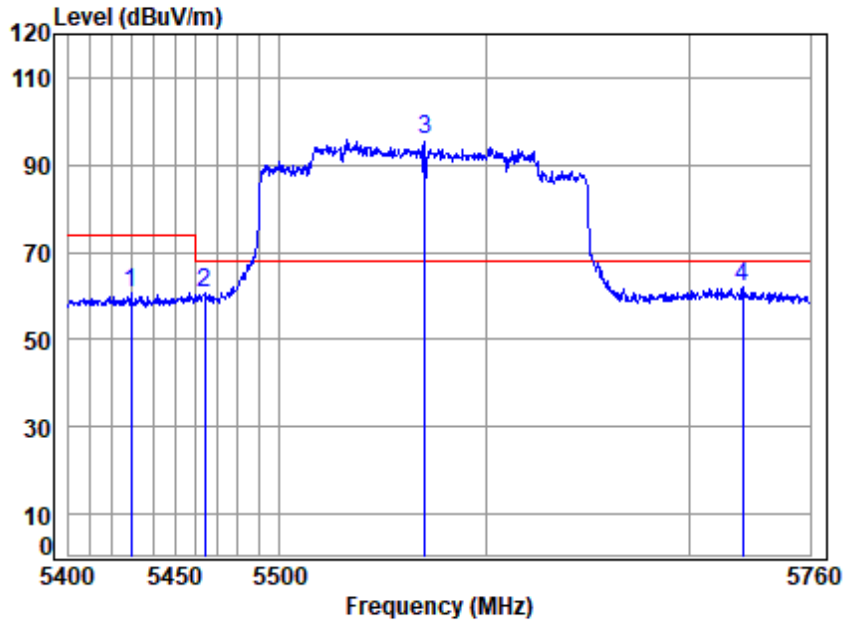


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5570 Band edge  
: 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5454.994	8.10	34.57	42.35	47.19	47.51	54.00	-6.49	Average
2	5570.000	8.19	34.67	42.36	74.58	75.08	-----	-----	Average



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:160MHz; Channel:Middle

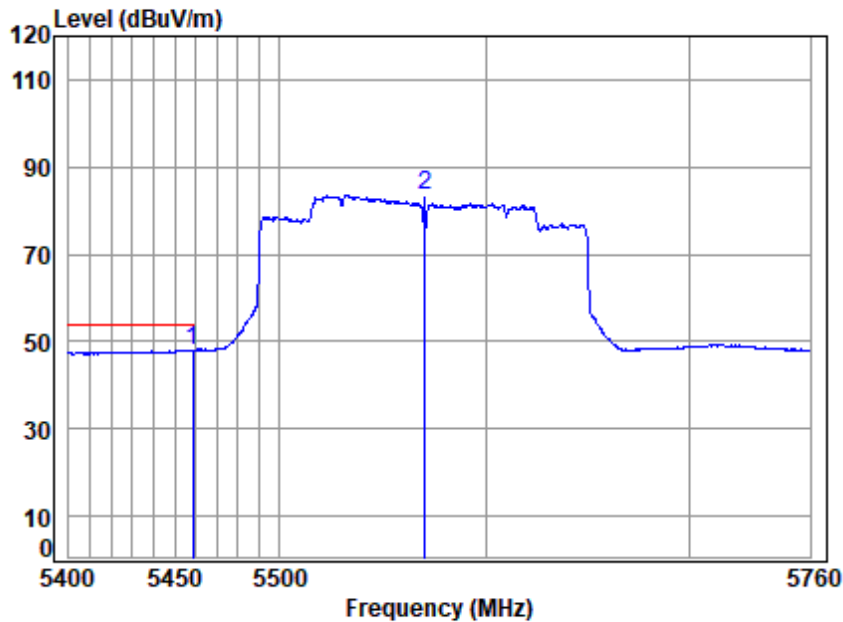


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5570 Band edge  
: 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5429.354	8.06	34.55	42.35	60.55	60.81	74.00	-13.19 peak
2 5464.155	8.12	34.57	42.35	60.20	60.54	68.20	-7.66 peak
3 * 5570.000	8.19	34.67	42.36	95.19	95.69	68.20	27.49 peak
4 5726.271	8.22	34.83	42.37	61.48	62.16	68.20	-6.04 peak



Test Mode: 25; Polarity: Vertical; Modulation:802.11ax; Bandwidth:160MHz; Channel:Middle

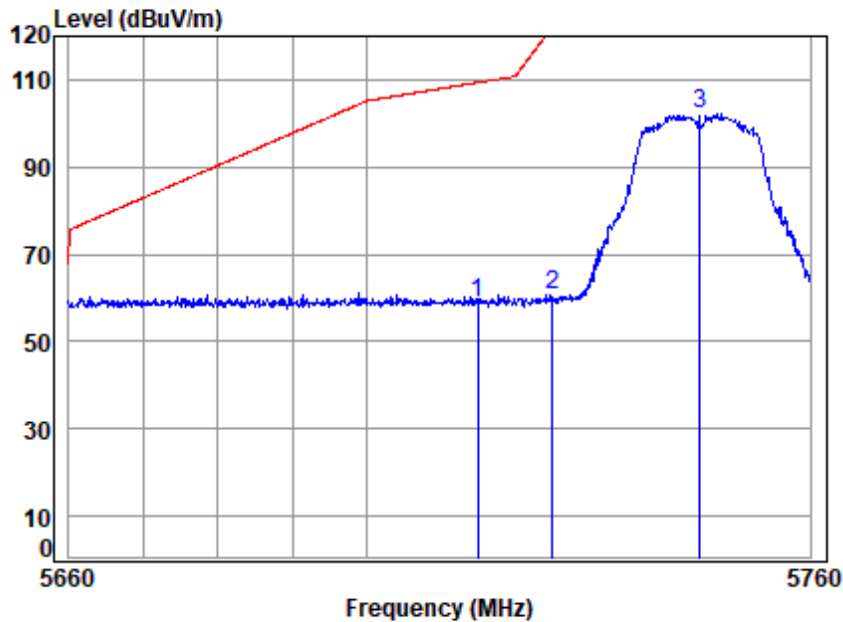


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5570 Band edge  
: 5G WIFI 11AX160

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5458.516	8.11	34.57	42.35	47.78	48.11	54.00	-5.89 Average
2 5570.000	8.19	34.67	42.36	83.19	83.69	-----	----- Average



Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5745 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.08	58.75	109.40	-50.65 peak
2	5725.000	8.22	34.83	42.37	60.04	60.72	122.20	-61.48 peak
3	5745.000	8.22	34.85	42.38	101.68	102.37	125.20	-22.83 peak



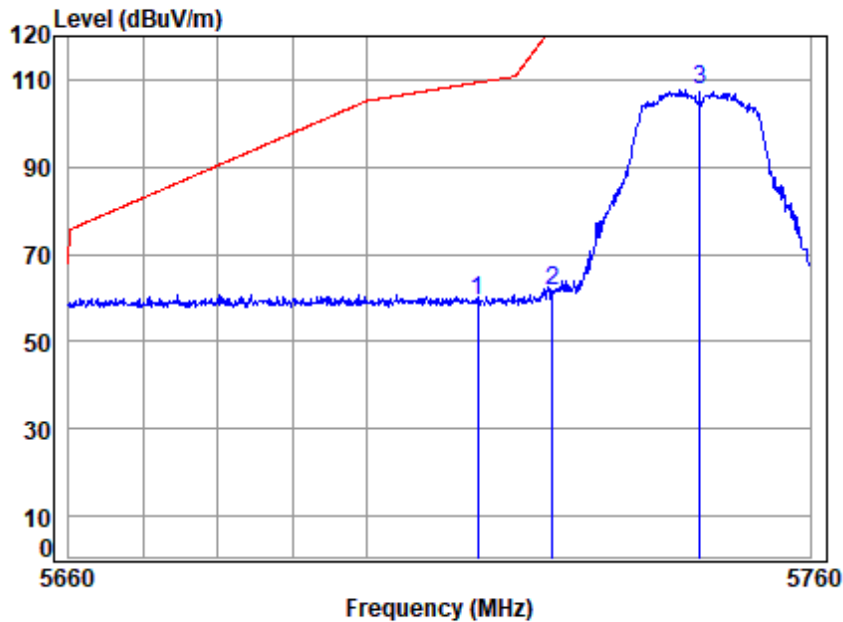
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

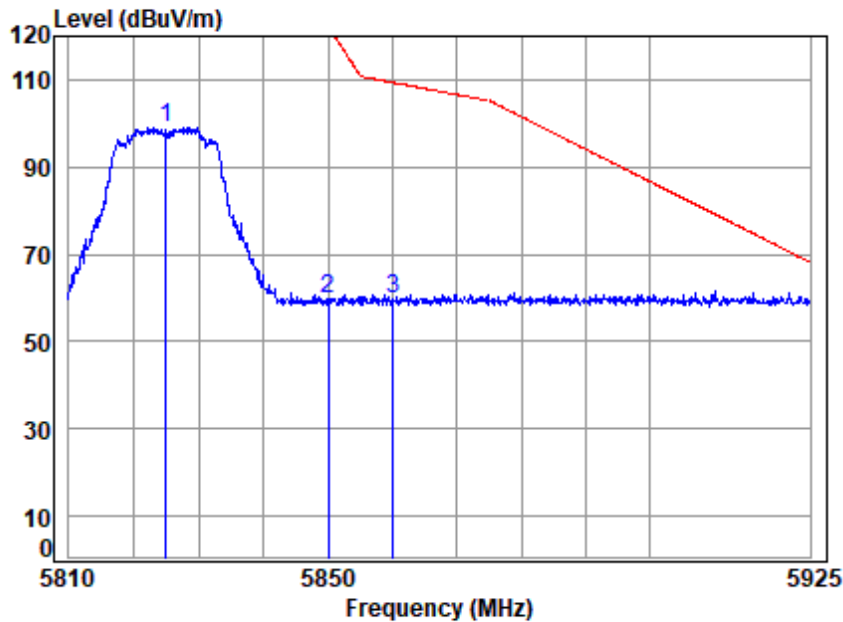


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5745 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.43	59.10	109.40	-50.30 peak
2	5725.000	8.22	34.83	42.37	61.03	61.71	122.20	-60.49 peak
3	5745.000	8.22	34.85	42.38	106.89	107.58	125.20	-17.62 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

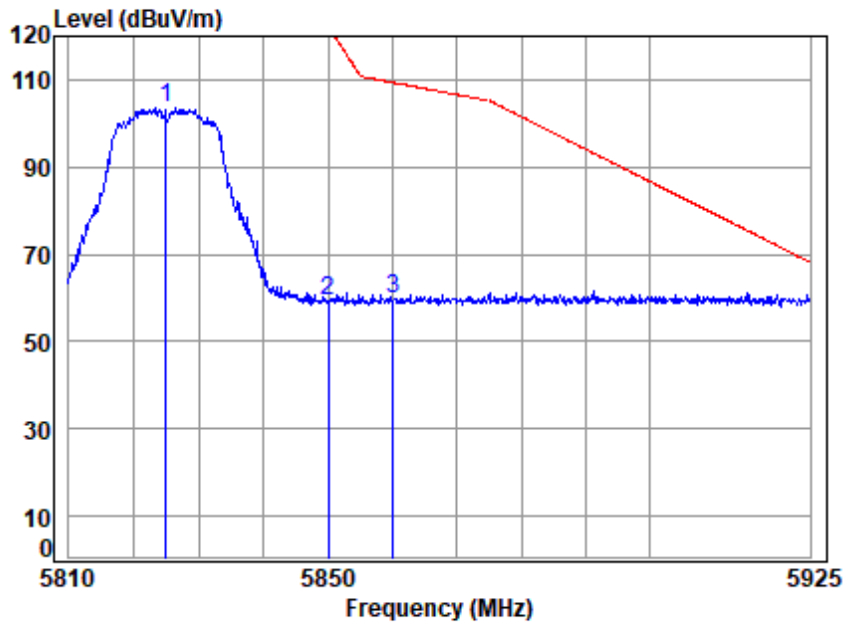


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5825 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	98.43	99.21	125.20	-25.99 peak
2 5850.000	8.24	34.95	42.39	59.00	59.80	122.20	-62.40 peak
3 5860.000	8.24	34.96	42.39	59.07	59.88	109.40	-49.52 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

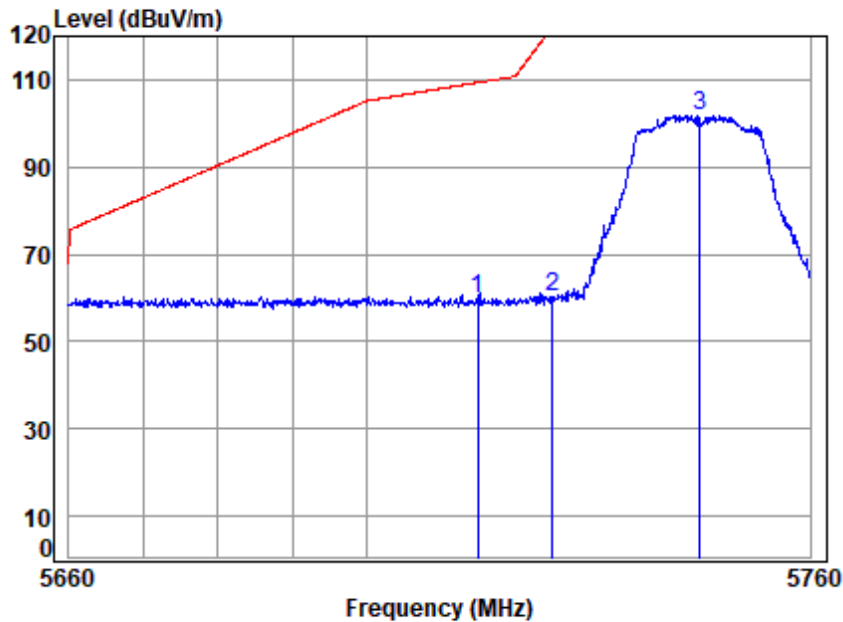


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5825 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	102.72	103.50	125.20	-21.70 peak
2 5850.000	8.24	34.95	42.39	58.39	59.19	122.20	-63.01 peak
3 5860.000	8.24	34.96	42.39	58.79	59.60	109.40	-49.80 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

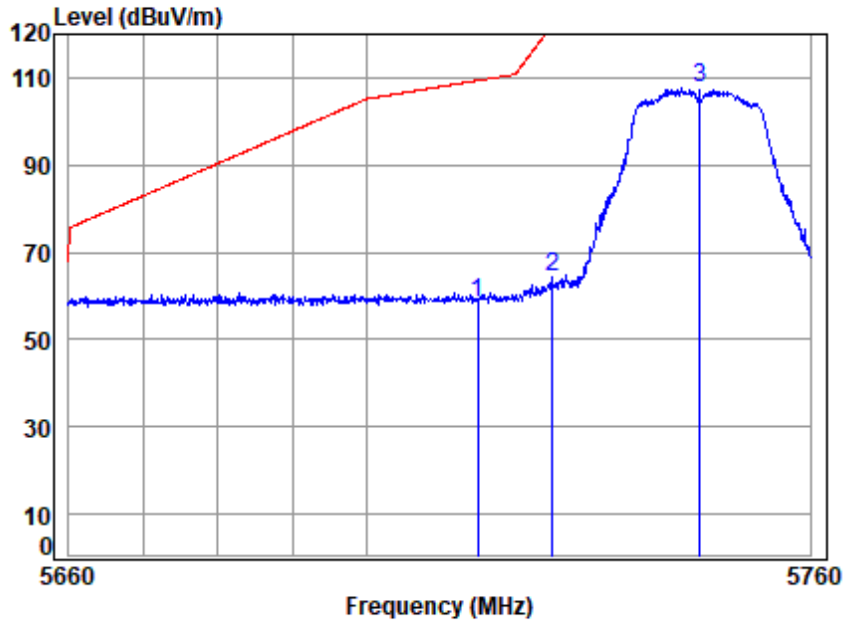


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5745 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.96	59.63	109.40	-49.77 peak
2	5725.000	8.22	34.83	42.37	59.47	60.15	122.20	-62.05 peak
3	5745.000	8.22	34.85	42.38	101.29	101.98	125.20	-23.22 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



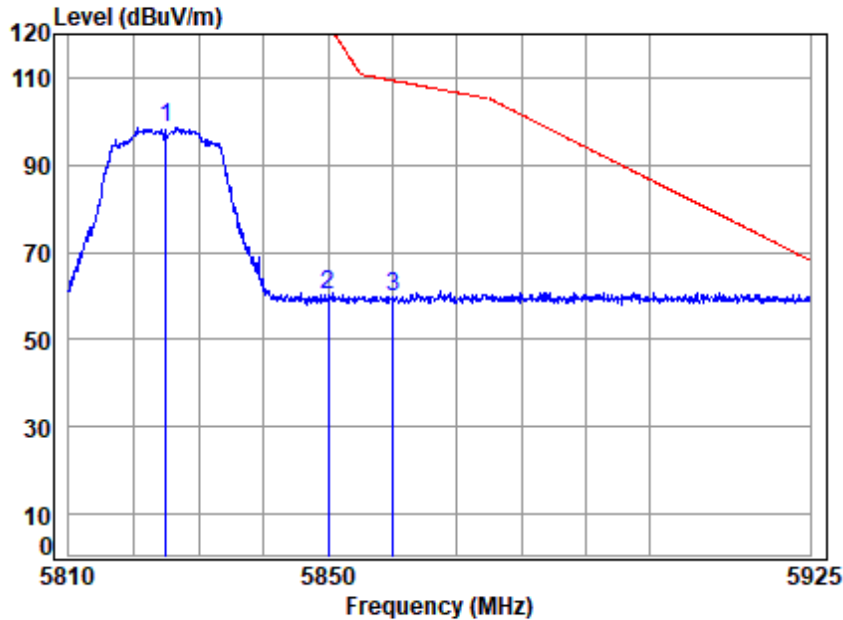
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5745 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	57.92	58.59	109.40	-50.81 peak
2	5725.000	8.22	34.83	42.37	63.44	64.12	122.20	-58.08 peak
3	5745.000	8.22	34.85	42.38	107.05	107.74	125.20	-17.46 peak





Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

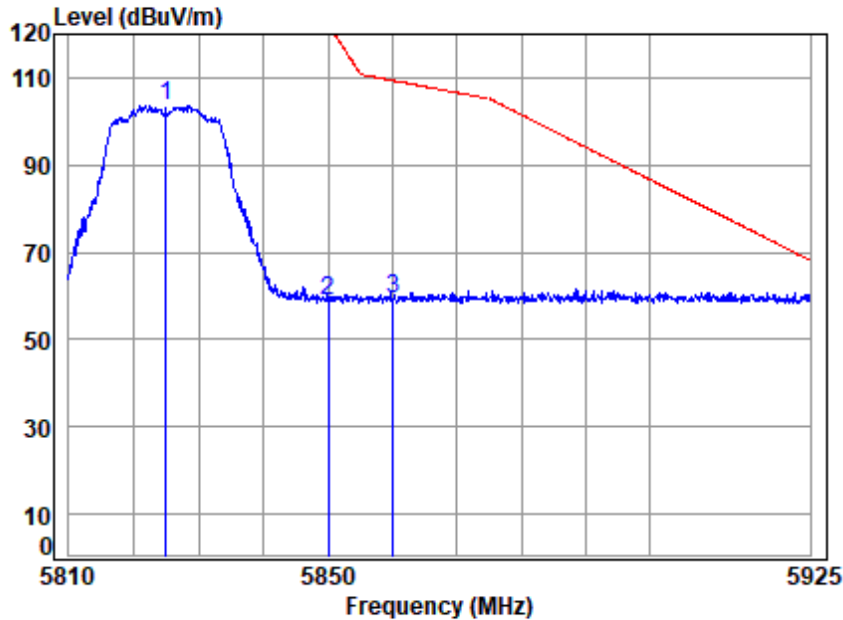


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5825 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	97.74	98.52	125.20	-26.68 peak
2 5850.000	8.24	34.95	42.39	59.36	60.16	122.20	-62.04 peak
3 5860.000	8.24	34.96	42.39	58.75	59.56	109.40	-49.84 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

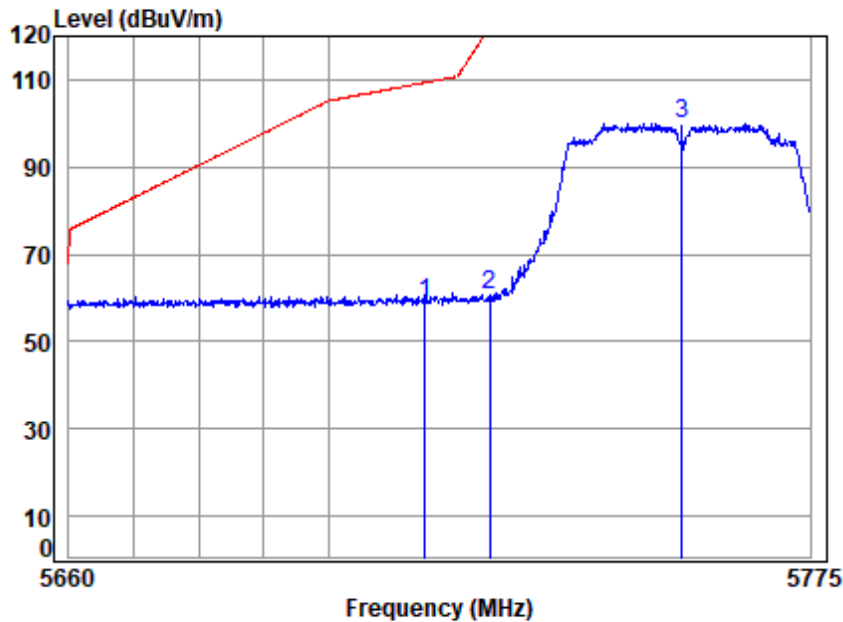


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5825 Band edge  
: 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	102.92	103.70	125.20	-21.50 peak
2 5850.000	8.24	34.95	42.39	57.85	58.65	122.20	-63.55 peak
3 5860.000	8.24	34.96	42.39	58.72	59.53	109.40	-49.87 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

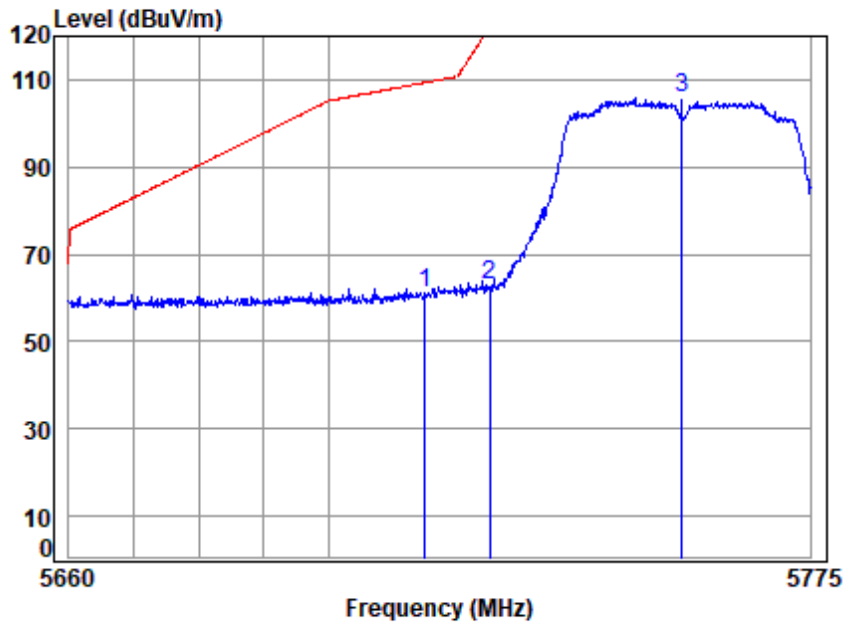


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5755 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.39	59.06	109.40	-50.34 peak
2	5725.000	8.22	34.83	42.37	60.07	60.75	122.20	-61.45 peak
3	5755.000	8.22	34.86	42.38	99.26	99.96	125.20	-25.24 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

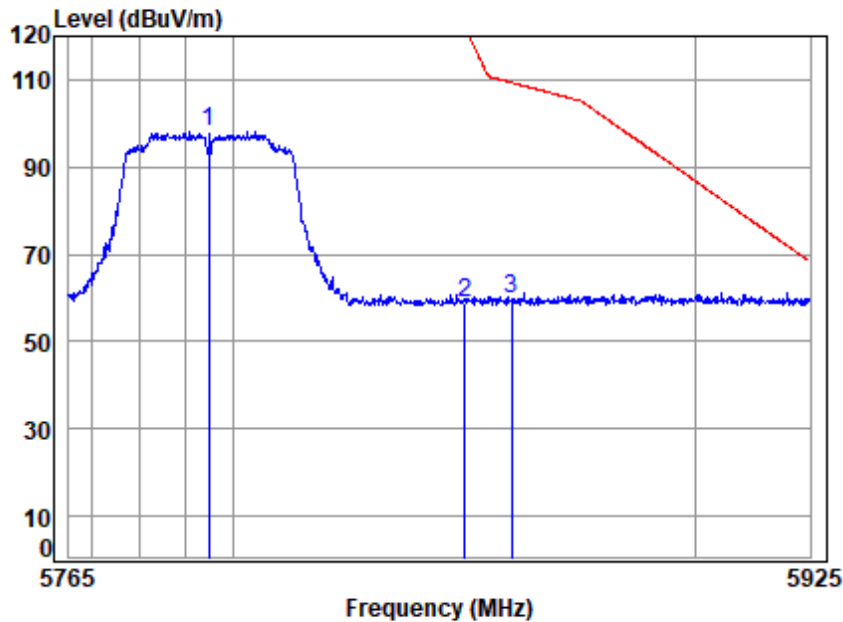


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5755 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	60.51	61.18	109.40	-48.22 peak
2	5725.000	8.22	34.83	42.37	62.18	62.86	122.20	-59.34 peak
3	5755.000	8.22	34.86	42.38	105.03	105.73	125.20	-19.47 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



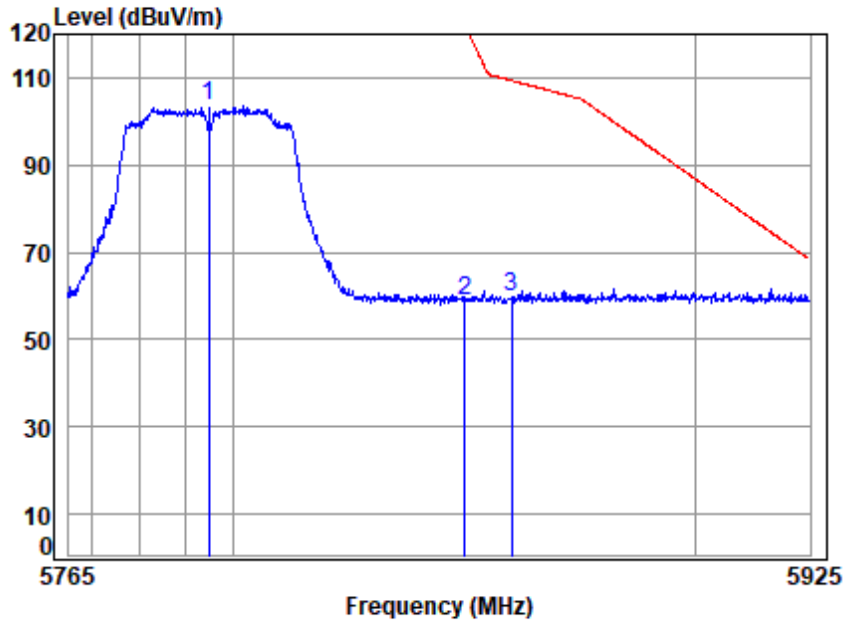
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5795 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	97.35	98.10	125.20	-27.10 peak
2 5850.000	8.24	34.95	42.39	57.96	58.76	122.20	-63.44 peak
3 5860.000	8.24	34.96	42.39	58.89	59.70	109.40	-49.70 peak





Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

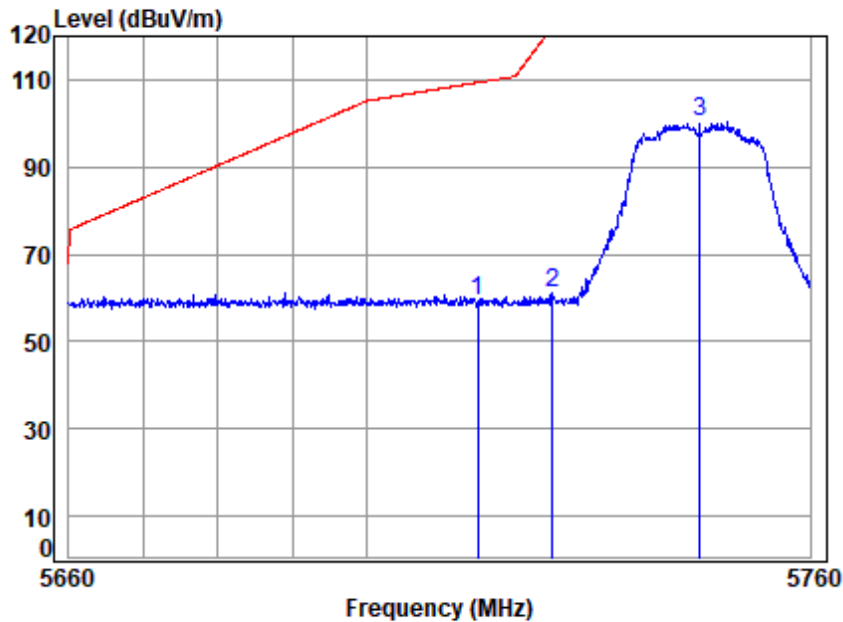


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5795 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	102.70	103.45	125.20	-21.75 peak
2 5850.000	8.24	34.95	42.39	58.03	58.83	122.20	-63.37 peak
3 5860.000	8.24	34.96	42.39	59.05	59.86	109.40	-49.54 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

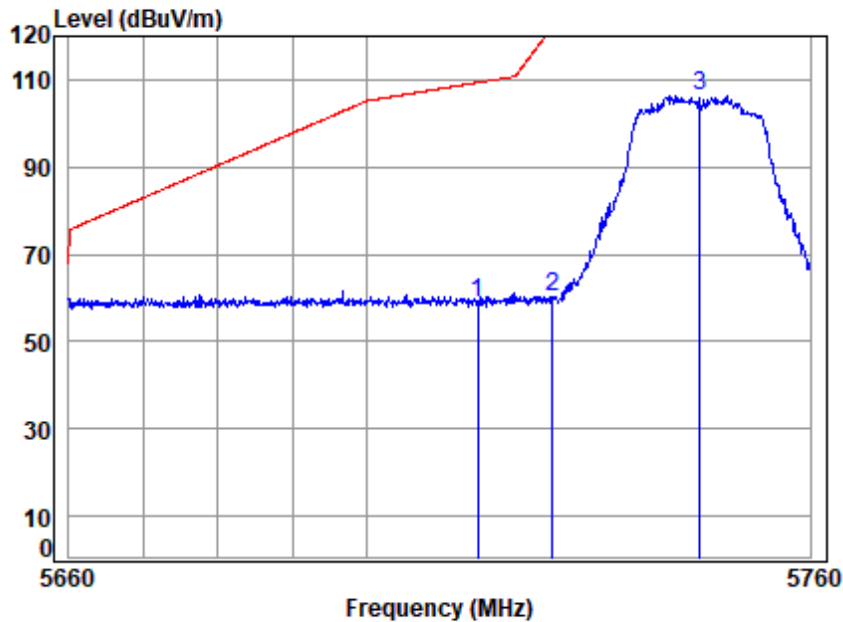


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5745 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.63	59.30	109.40	-50.10 peak
2	5725.000	8.22	34.83	42.37	60.44	61.12	122.20	-61.08 peak
3	5745.000	8.22	34.85	42.38	99.62	100.31	125.20	-24.89 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

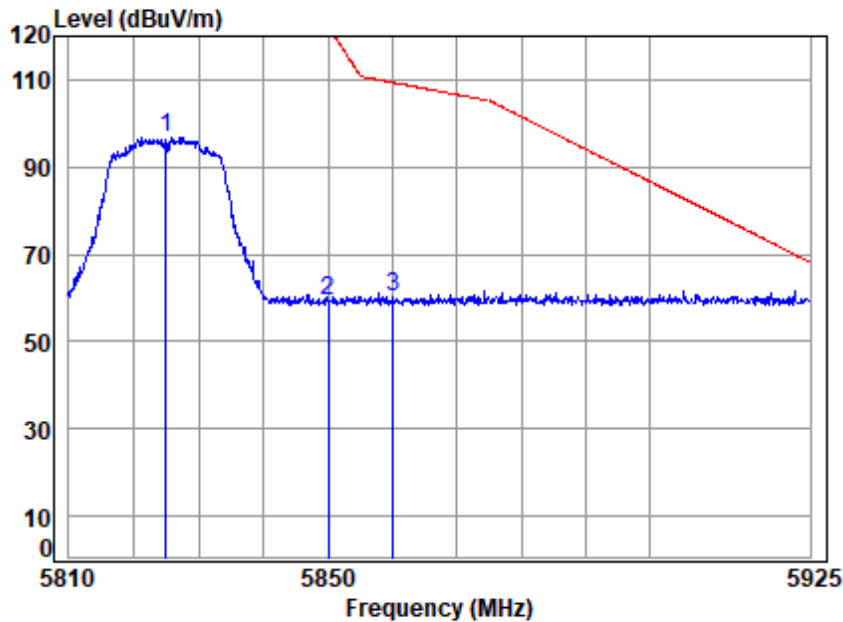


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5745 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.12	58.79	109.40	-50.61 peak
2	5725.000	8.22	34.83	42.37	59.68	60.36	122.20	-61.84 peak
3	5745.000	8.22	34.85	42.38	105.60	106.29	125.20	-18.91 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

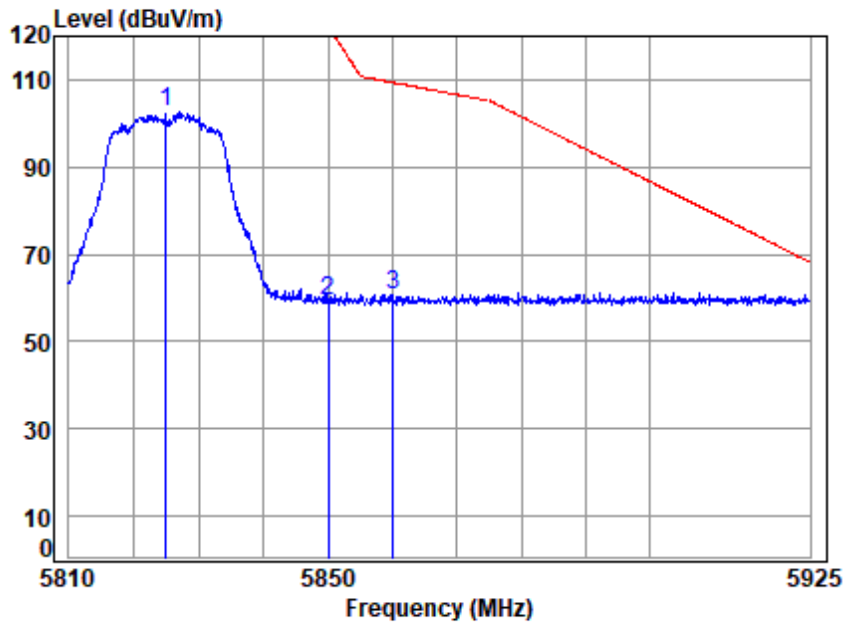


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5825 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	96.13	96.91	125.20	-28.29 peak
2 5850.000	8.24	34.95	42.39	58.59	59.39	122.20	-62.81 peak
3 5860.000	8.24	34.96	42.39	59.42	60.23	109.40	-49.17 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



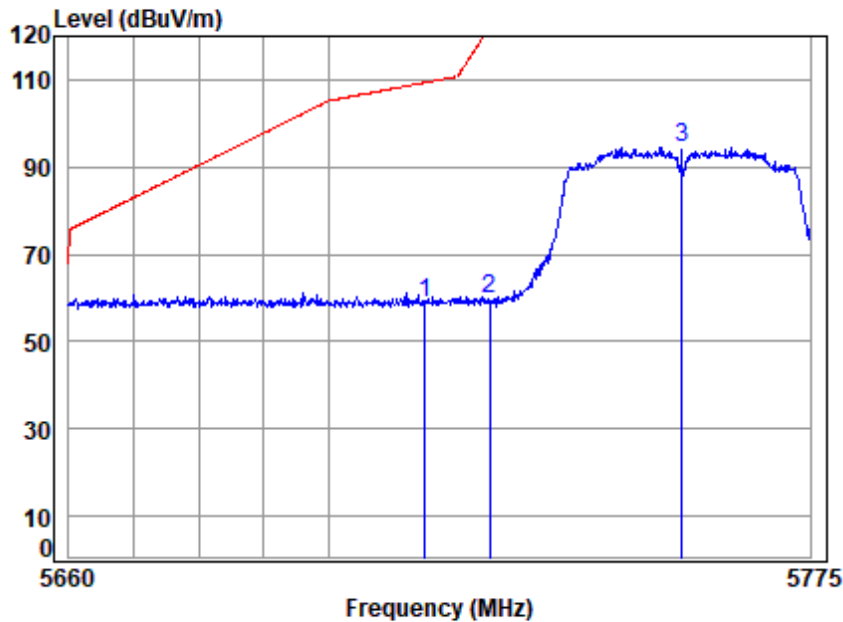
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5825 Band edge  
: 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	101.89	102.67	125.20	-22.53 peak
2 5850.000	8.24	34.95	42.39	58.72	59.52	122.20	-62.68 peak
3 5860.000	8.24	34.96	42.39	59.96	60.77	109.40	-48.63 peak





Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

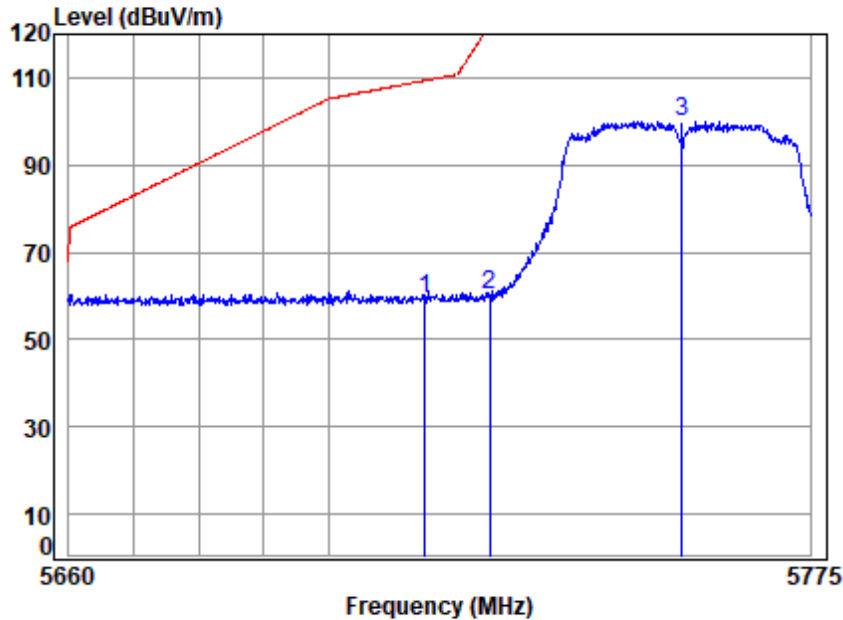


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5755 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.10	58.77	109.40	-50.63 peak
2	5725.000	8.22	34.83	42.37	59.09	59.77	122.20	-62.43 peak
3	5755.000	8.22	34.86	42.38	93.96	94.66	125.20	-30.54 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

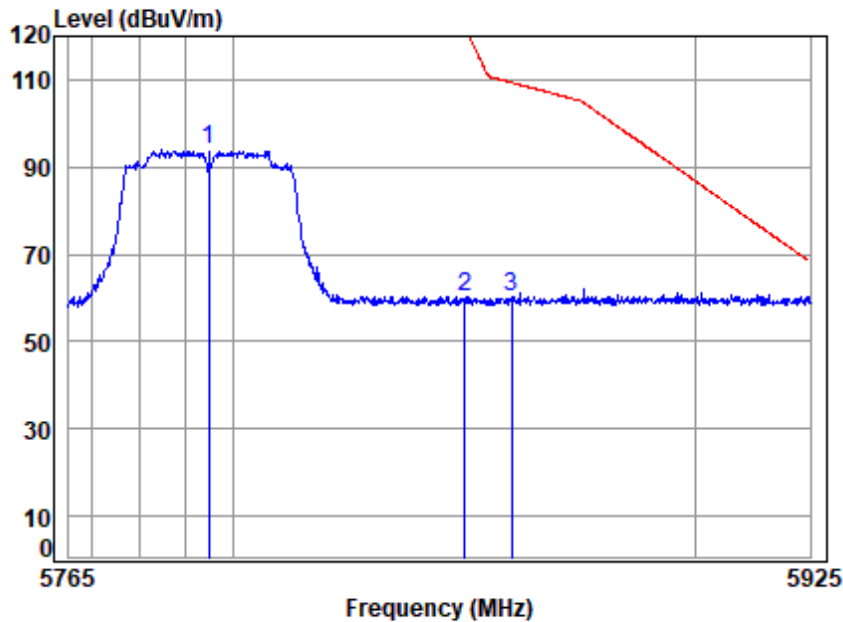


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5755 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.55	59.22	109.40	-50.18 peak
2	5725.000	8.22	34.83	42.37	59.76	60.44	122.20	-61.76 peak
3	5755.000	8.22	34.86	42.38	99.27	99.97	125.20	-25.23 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

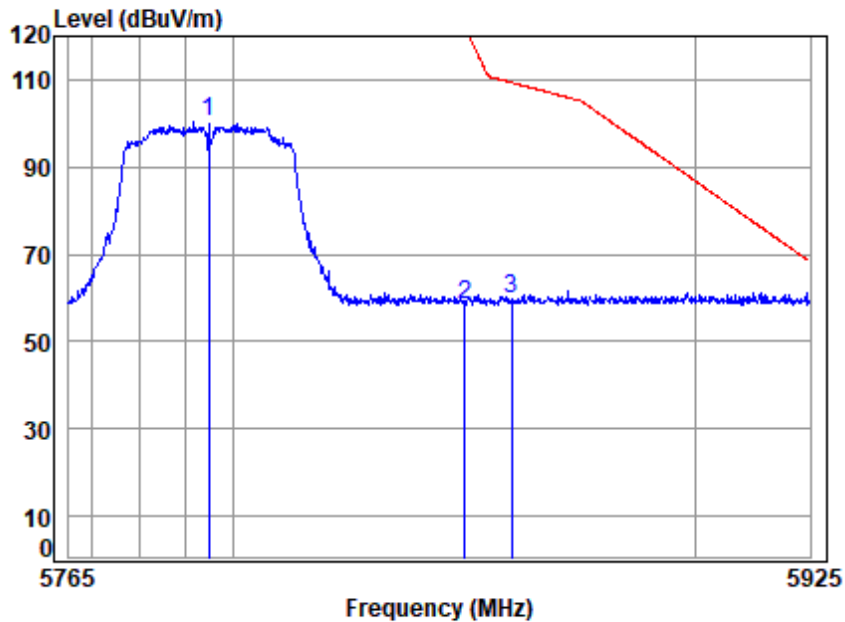


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5795 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	93.32	94.07	125.20	-31.13 peak
2 5850.000	8.24	34.95	42.39	59.52	60.32	122.20	-61.88 peak
3 5860.000	8.24	34.96	42.39	59.33	60.14	109.40	-49.26 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

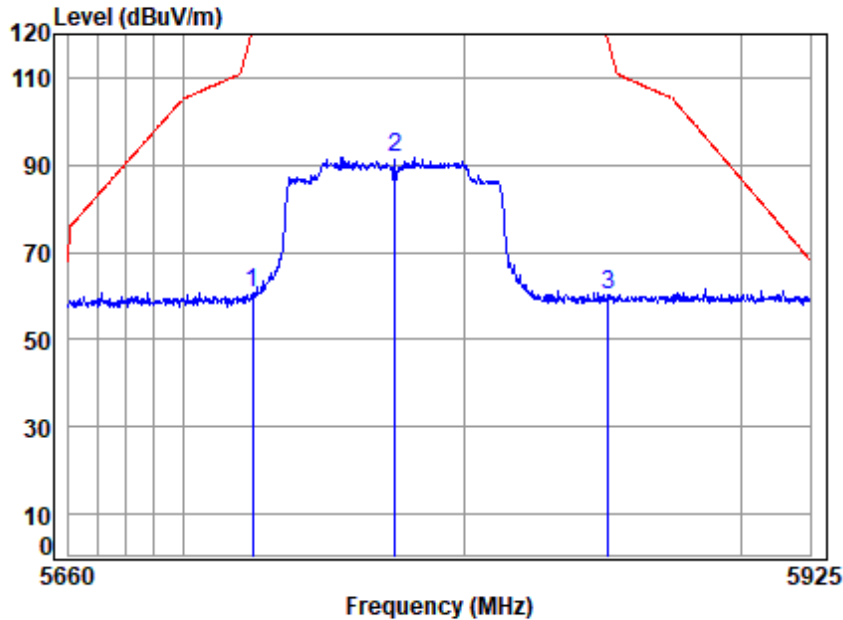


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5795 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	99.47	100.22	125.20	-24.98 peak
2 5850.000	8.24	34.95	42.39	57.80	58.60	122.20	-63.60 peak
3 5860.000	8.24	34.96	42.39	58.75	59.56	109.40	-49.84 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



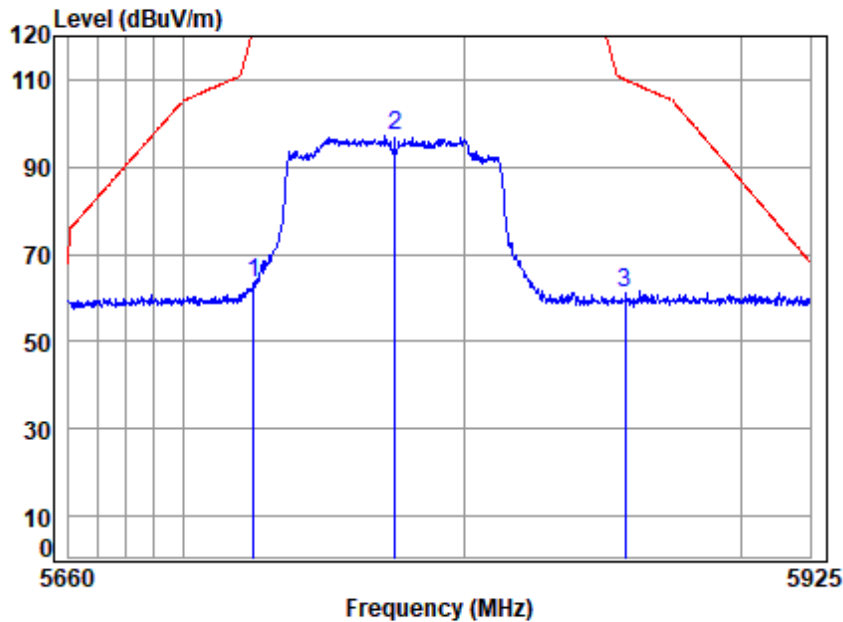
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5775 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5724.594	8.22	34.83	42.37	60.00	60.68	121.27	-60.59 peak
2 5775.000	8.22	34.88	42.38	90.90	91.62	125.20	-33.58 peak
3 5851.715	8.24	34.96	42.39	59.44	60.25	118.29	-58.04 peak





Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

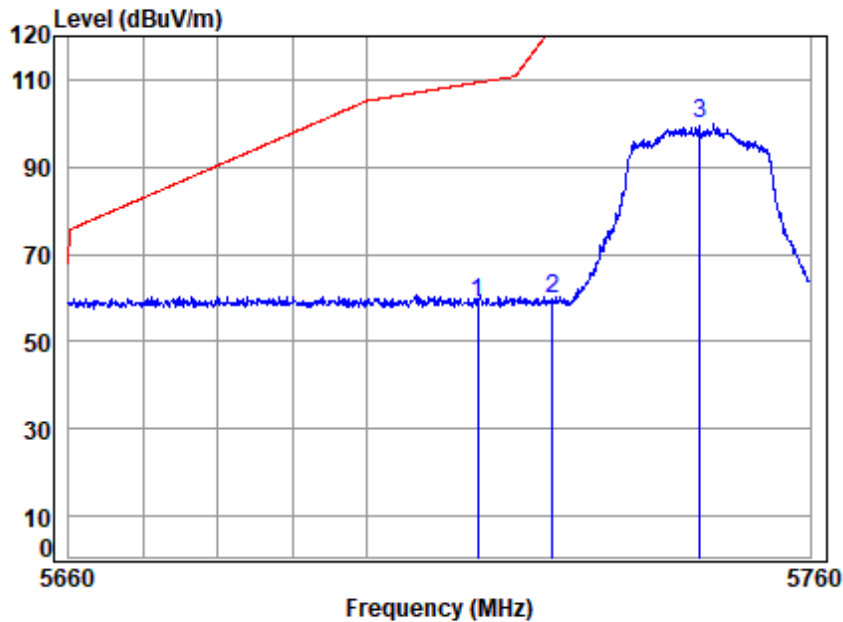


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5775 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5724.855	8.22	34.83	42.37	62.70	63.38	121.87	-58.49 peak
2 5775.000	8.22	34.88	42.38	96.30	97.02	125.20	-28.18 peak
3 5857.877	8.24	34.96	42.39	60.19	61.00	109.99	-48.99 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low

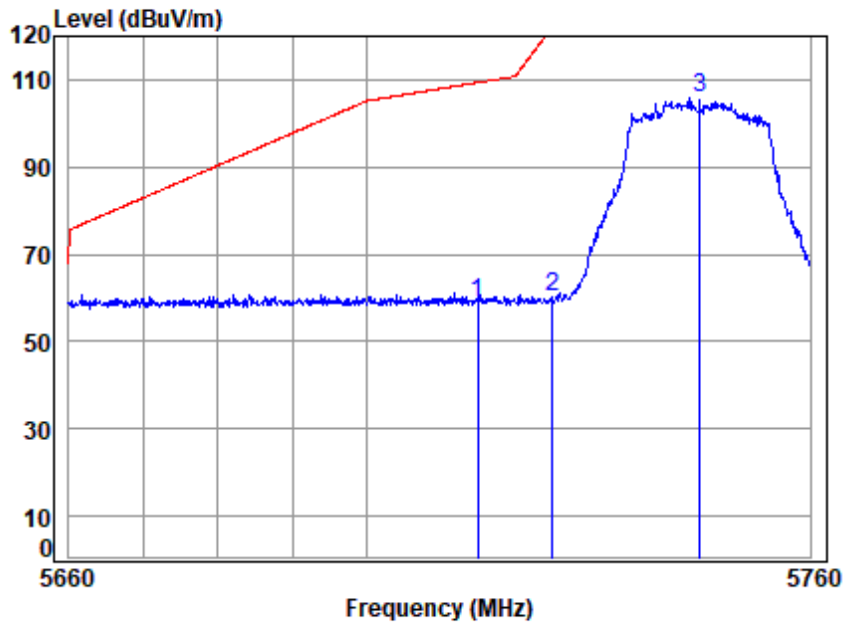


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5745 Band edge  
: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.26	58.93	109.40	-50.47 peak
2	5725.000	8.22	34.83	42.37	59.03	59.71	122.20	-62.49 peak
3	5745.000	8.22	34.85	42.38	99.11	99.80	125.20	-25.40 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low

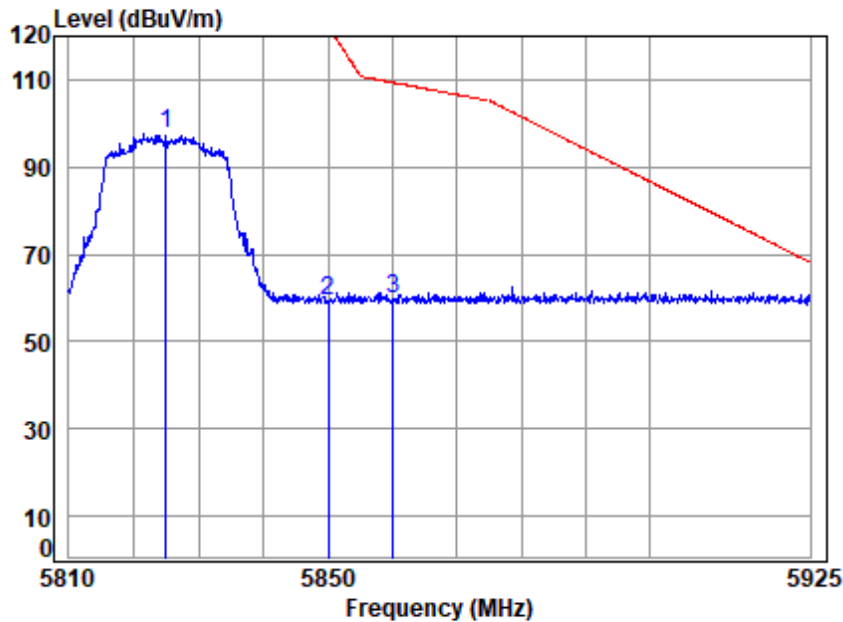


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5745 Band edge  
: 5G WIFI 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	8.22	34.82	42.37	58.23	58.90	109.40	-50.50 peak
2	5725.000	8.22	34.83	42.37	59.42	60.10	122.20	-62.10 peak
3	5745.000	8.22	34.85	42.38	105.01	105.70	125.20	-19.50 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:High

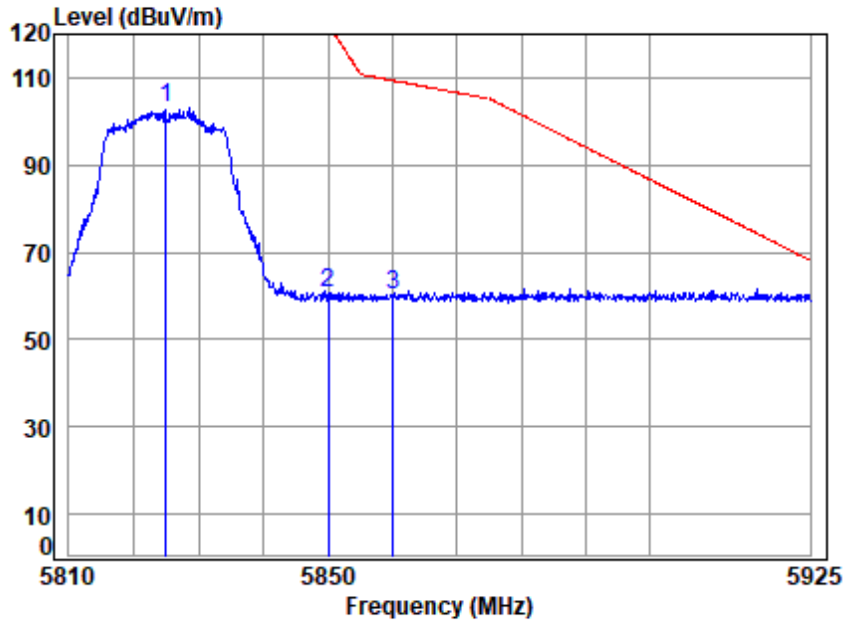


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5825 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	96.68	97.46	125.20	-27.74 peak
2 5850.000	8.24	34.95	42.39	58.70	59.50	122.20	-62.70 peak
3 5860.000	8.24	34.96	42.39	58.76	59.57	109.40	-49.83 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



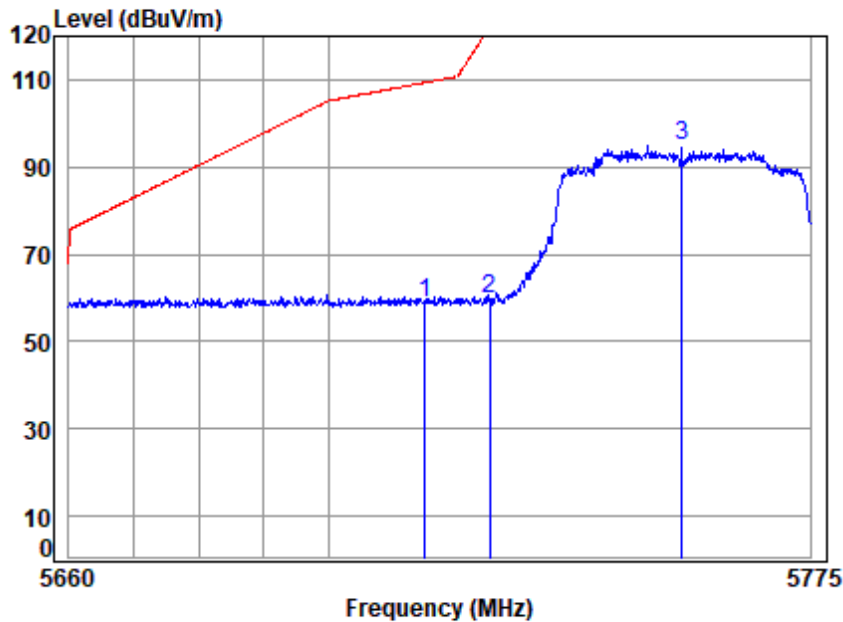
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5825 Band edge  
: 5G WIFI 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	102.42	103.20	125.20	-22.00 peak
2 5850.000	8.24	34.95	42.39	60.04	60.84	122.20	-61.36 peak
3 5860.000	8.24	34.96	42.39	59.56	60.37	109.40	-49.03 peak





Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

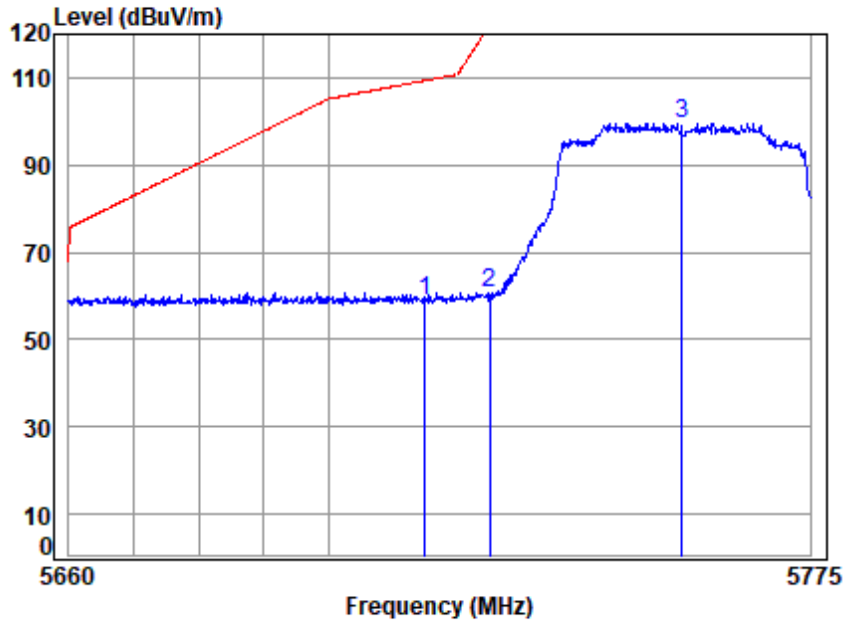


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5755 Band edge  
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	57.97	58.64	109.40	-50.76 peak
2	5725.000	8.22	34.83	42.37	59.14	59.82	122.20	-62.38 peak
3	5755.000	8.22	34.86	42.38	94.17	94.87	125.20	-30.33 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

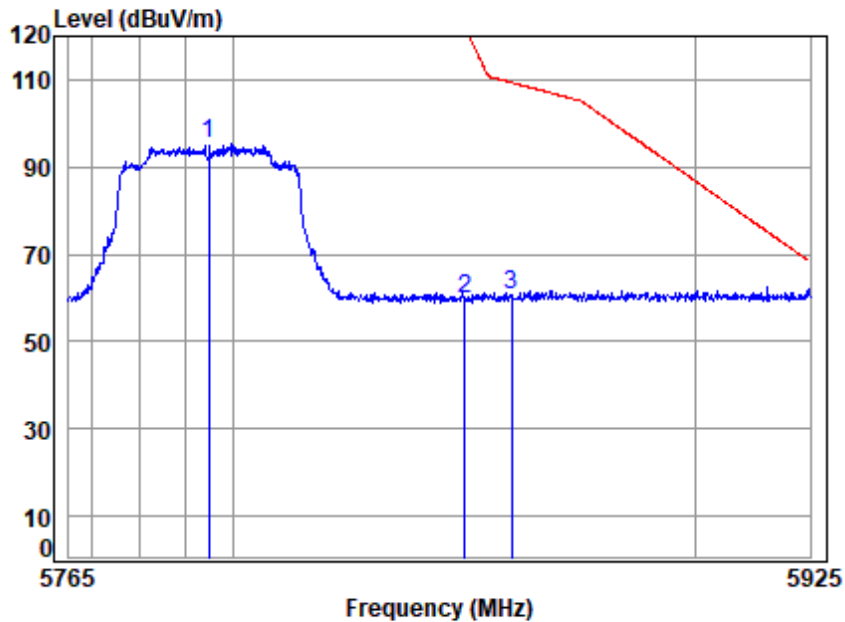


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5755 Band edge  
: 5G WIFI 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.39	59.06	109.40	-50.34 peak
2	5725.000	8.22	34.83	42.37	59.86	60.54	122.20	-61.66 peak
3	5755.000	8.22	34.86	42.38	98.96	99.66	125.20	-25.54 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

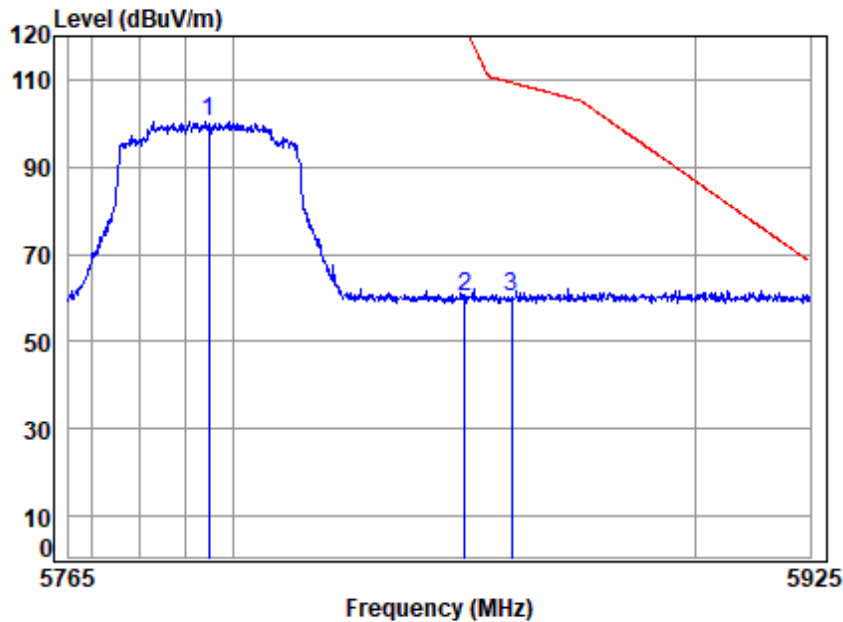


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5795 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	94.50	95.25	125.20	-29.95 peak
2 5850.000	8.24	34.95	42.39	59.14	59.94	122.20	-62.26 peak
3 5860.000	8.24	34.96	42.39	59.85	60.66	109.40	-48.74 peak



Test Mode: 27; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

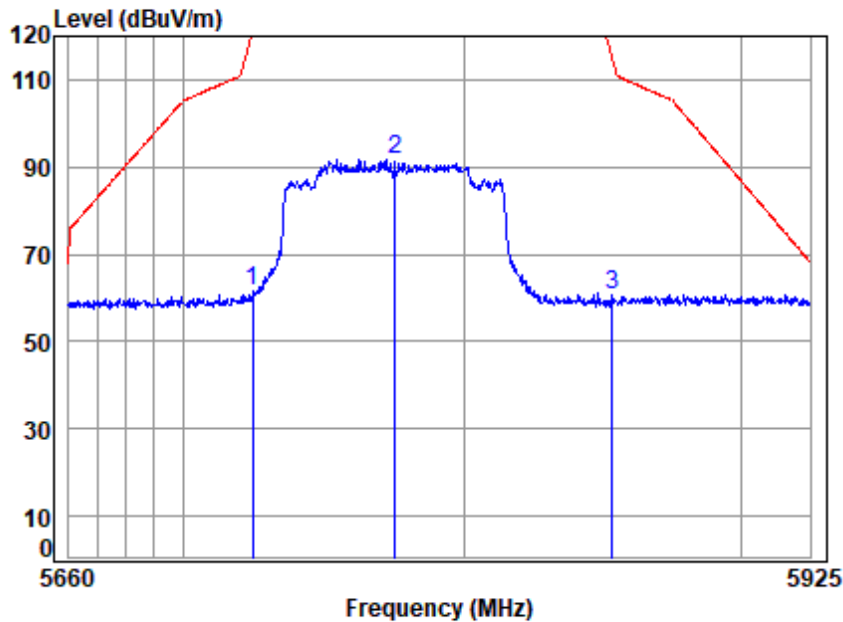


Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5795 Band edge  
: 5G WIFI 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	99.78	100.53	125.20	-24.67 peak
2 5850.000	8.24	34.95	42.39	59.25	60.05	122.20	-62.15 peak
3 5860.000	8.24	34.96	42.39	59.60	60.41	109.40	-48.99 peak



Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



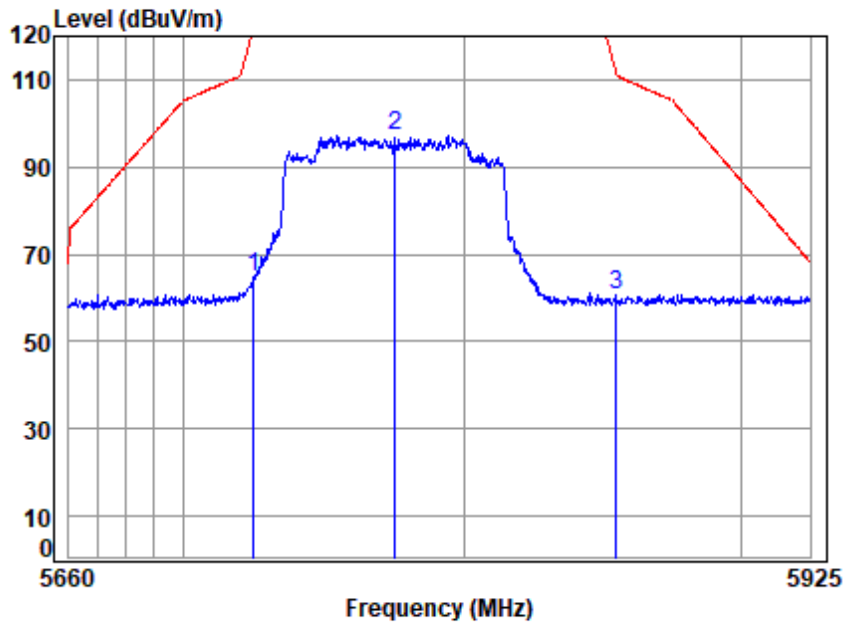
Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02179CR  
Mode : 5775 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5724.594	8.22	34.83	42.37	60.77	61.45	121.27	-59.82 peak
2 5775.000	8.22	34.88	42.38	91.03	91.75	125.20	-33.45 peak
3 5853.054	8.24	34.96	42.39	59.74	60.55	115.24	-54.69 peak





Test Mode: 27; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



Site : chamber  
Condition: 3m VERTICAL  
Job No : 02179CR  
Mode : 5775 Band edge  
: 5G WIFI 11AX80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5724.855	8.22	34.83	42.37	64.28	64.96	121.87	-56.91 peak
2 5775.000	8.22	34.88	42.38	96.69	97.41	125.20	-27.79 peak
3 5854.394	8.24	34.96	42.39	60.10	60.91	112.18	-51.27 peak



## 7.5 Non-occupancy period

Test Requirement KDB 905462 D02 Section 5.1  
Test Method: KDB 905462 D02 Section 7.8.3  
Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate 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.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

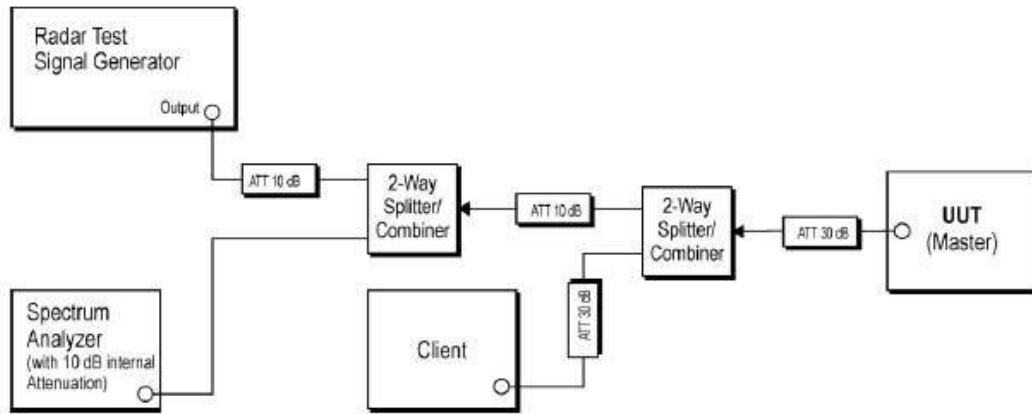
### 7.5.1 E.U.T. Operation

Operating Environment:

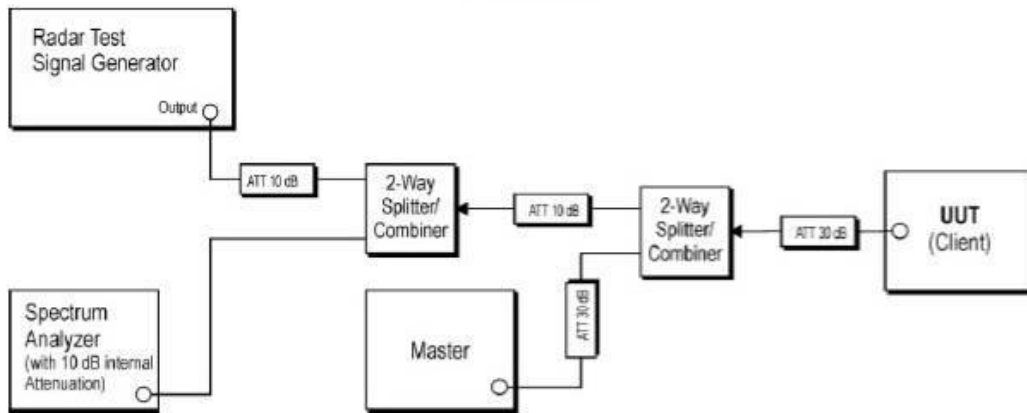
Temperature: 22.3 °C Humidity: 52.2 % RH Atmospheric Pressure: 1010 mbar



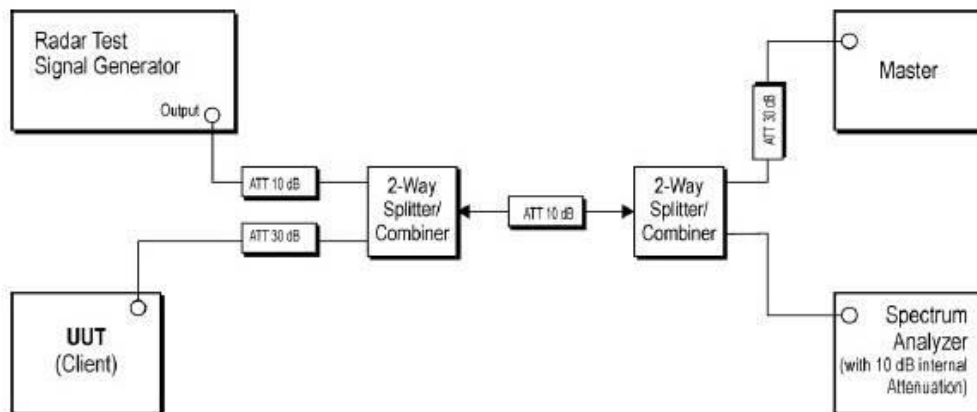
### 7.5.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection



### 7.5.3 Measurement Procedure and 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:  $C (ms) = N \times Dwell (0.3ms)$ ; 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.

Please Refer To Appendix For Details





## 7.6 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1  
Test Method: KDB 905462 D02 Section 7.8.3  
Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate 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.

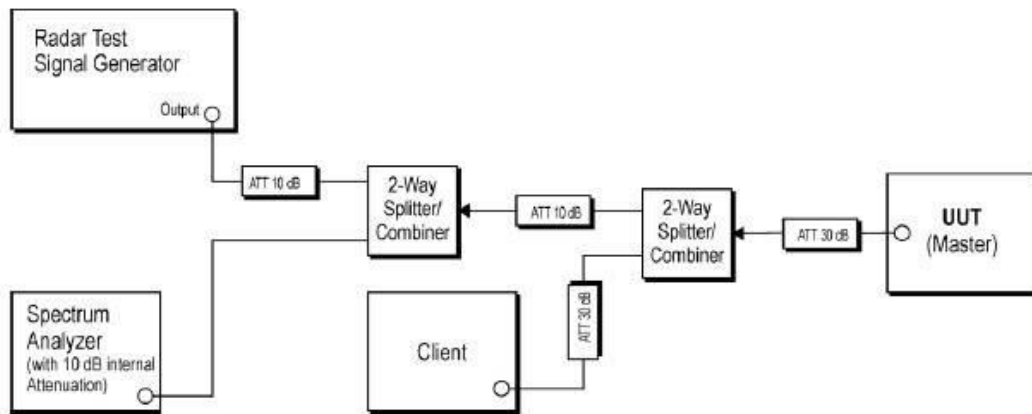
Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

### 7.6.1 E.U.T. Operation

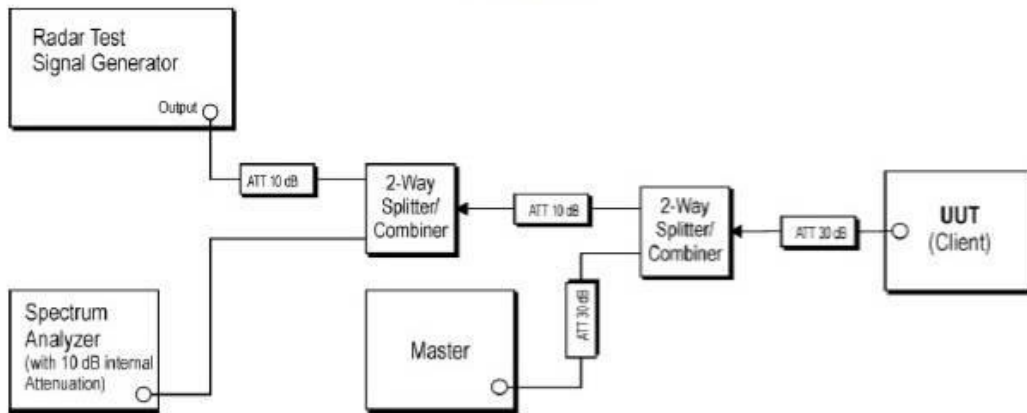
Operating Environment:  
Temperature: 22.3 °C Humidity: 52.2 % RH Atmospheric Pressure: 1010 mbar



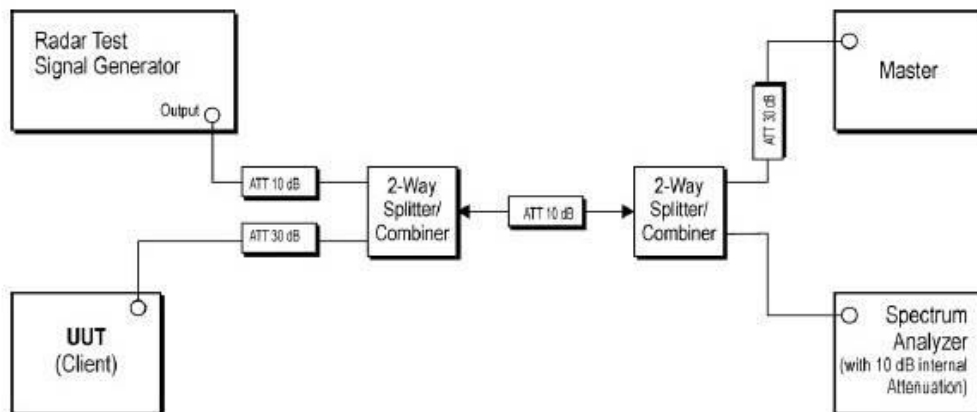
### 7.6.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection



### 7.6.3 Measurement Procedure and 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:  $C (ms) = N \times Dwell (0.3ms)$ ; 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.

Please Refer To Appendix For Details



## 7.7 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1  
Test Method: KDB 905462 D02 Section 7.8.3  
Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate 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.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

### 7.7.1 E.U.T. Operation

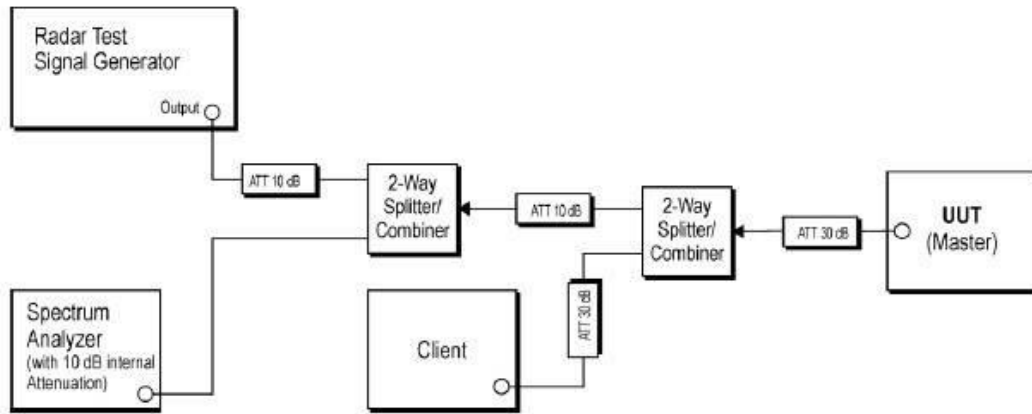
Operating Environment:

Temperature: 22.3 °C Humidity: 52.2 % RH Atmospheric Pressure: 1010 mbar

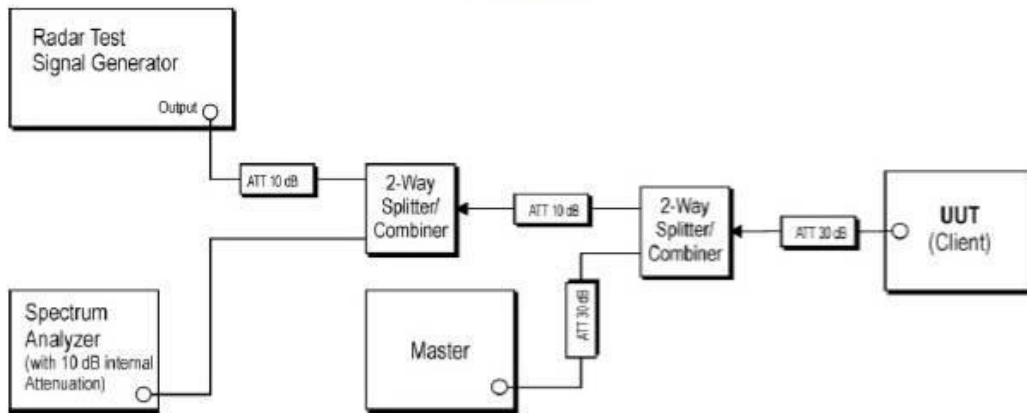


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

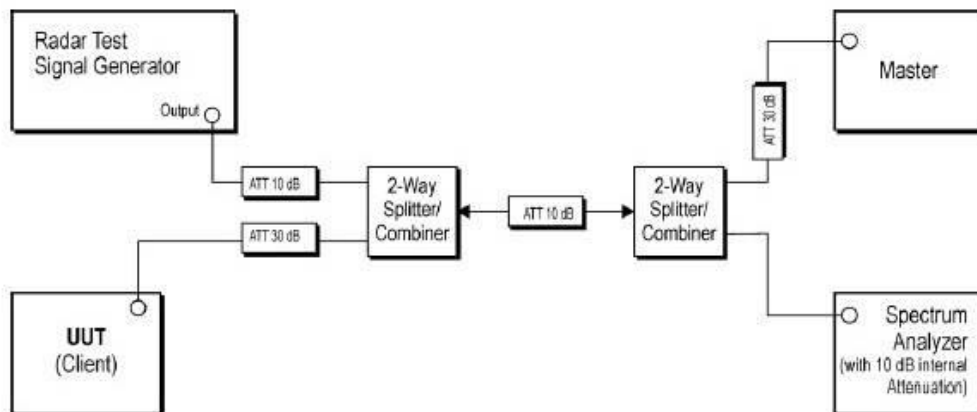
### 7.7.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection





### 7.7.3 Measurement Procedure and 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:  $C (ms) = N \times Dwell (0.3ms)$ ; 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.

Please Refer To Appendix For Details



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.  
**Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com**

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



## 8 Appendix

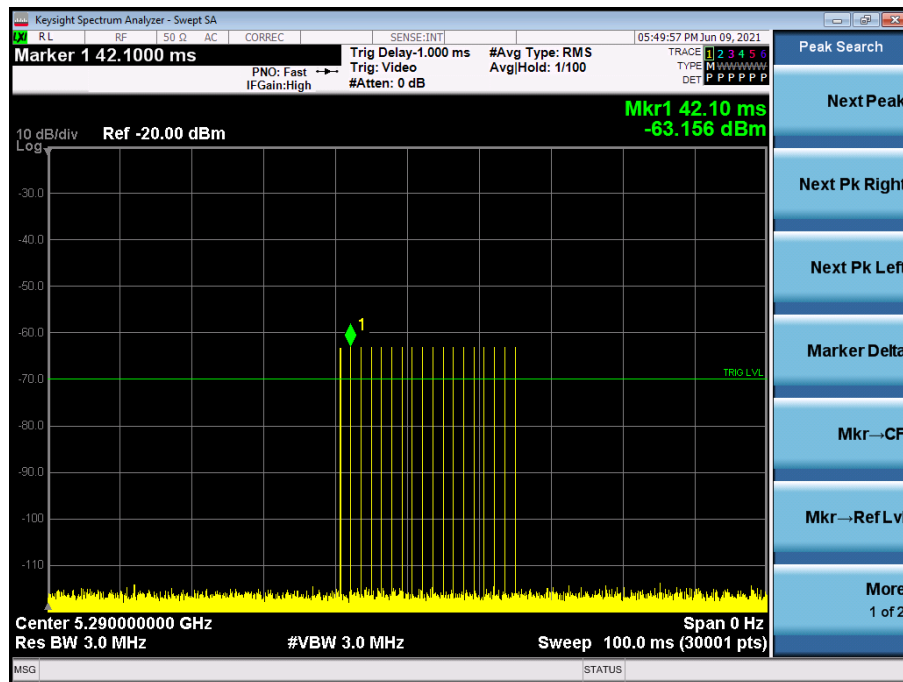
### 6. (DFS: Non-occupancy period; Channel Move Time; Channel Closing Transmission Time)

Note: All antennas type has been tested and we found the antenna 1 has the worst result.  
Only record the worst test result.

Test plots as follows:

Radar Waveform Calibration Result

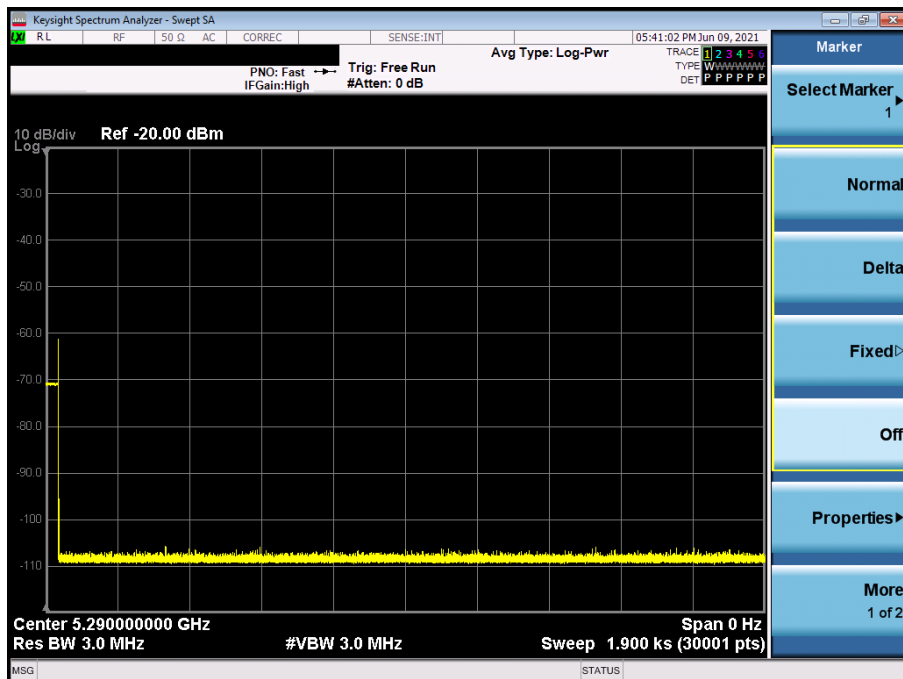
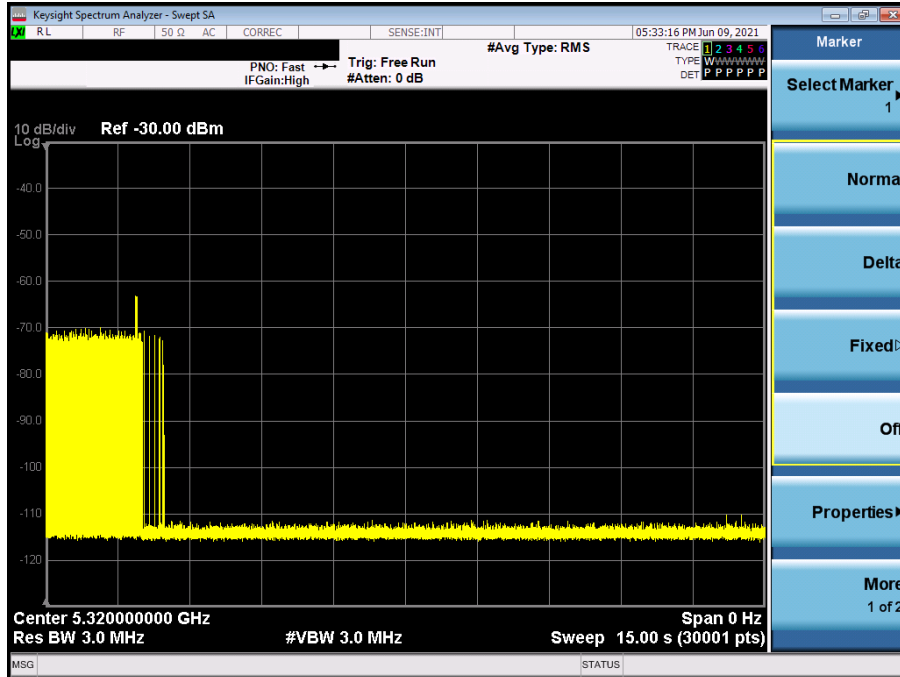
Radar Type 0

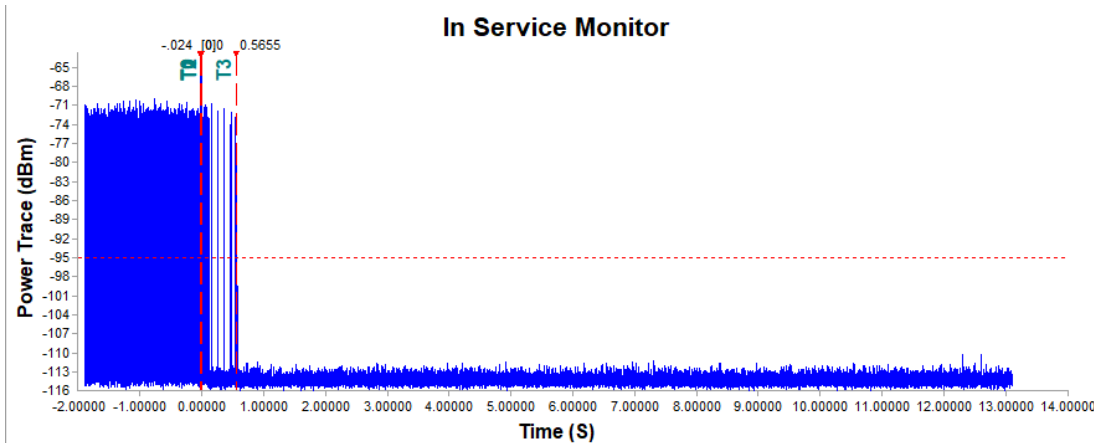


### Test Data:

BW/Channel	Test Item	Test data	Limit	Results
80MHz/ 5530MHz	Non-occupancy period	Refer to test point	>30 min	pass
	Channel Move Time	0.5655s	<10 s	Pass
	Channel Closing Transmission Time	0.0730s	<60ms	Pass

### Test plots as follows:





**Time Index Info**

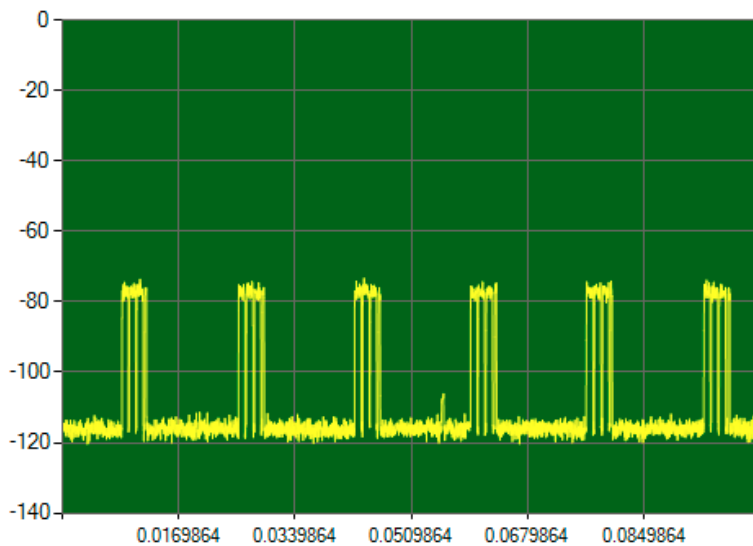
T0 : -0.0240 S (Radar Injection Start)  
T1 : 0.0000 S (Radar Injection Stop)  
T2 : 0.0000 S (200msec Interval)  
T3 : 0.5655 S (Channel Move Time)

Time Per Bin: 0.4999833

T2~T3 Bins Over Threshold:  
= 146 Bins

Channel Move Time: 0.5654812 S

Channel Close Time: 0.0729976 S



Off Set:  dB

Duty Cycle:  %

## 9 Test Setup Photo

Please refer to setup photos.

## 10 EUT Constructional Details (EUT Photos)

Please Refer to external and internal photos for details.

- End of the Report -

