

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 @

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		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 @ 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 @ 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). 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 @ 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). 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

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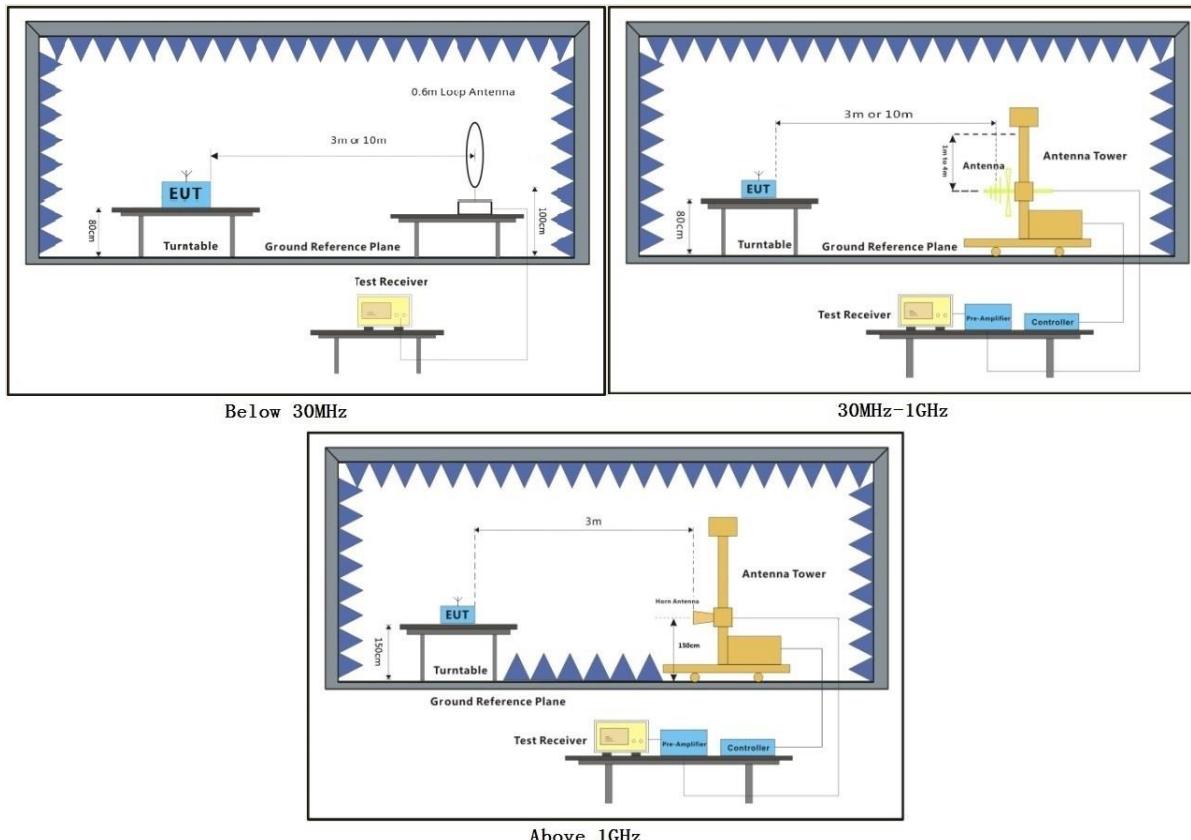


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		rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report.
Pre-scan	26	TX mode (U-NII-3)_Keep 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



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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.



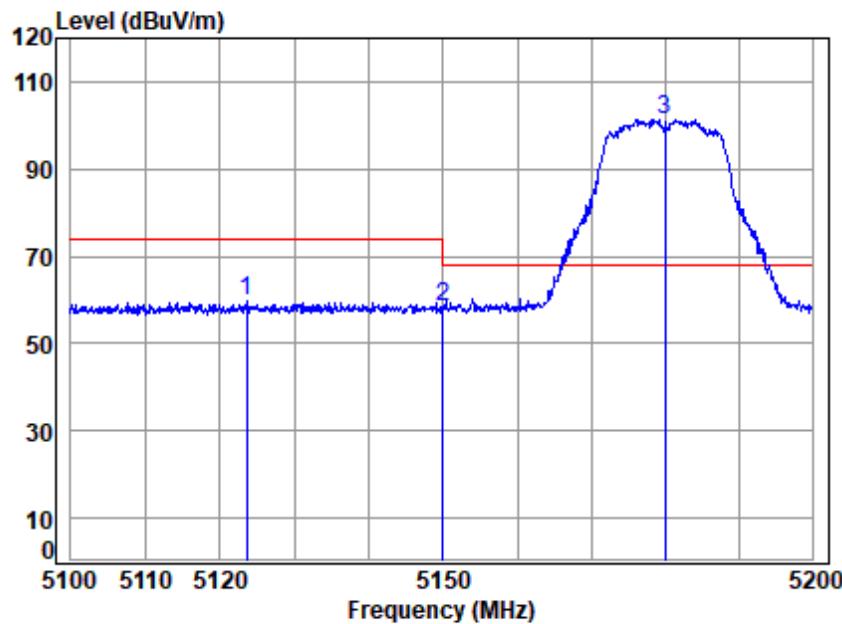
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Test Mode: 21; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



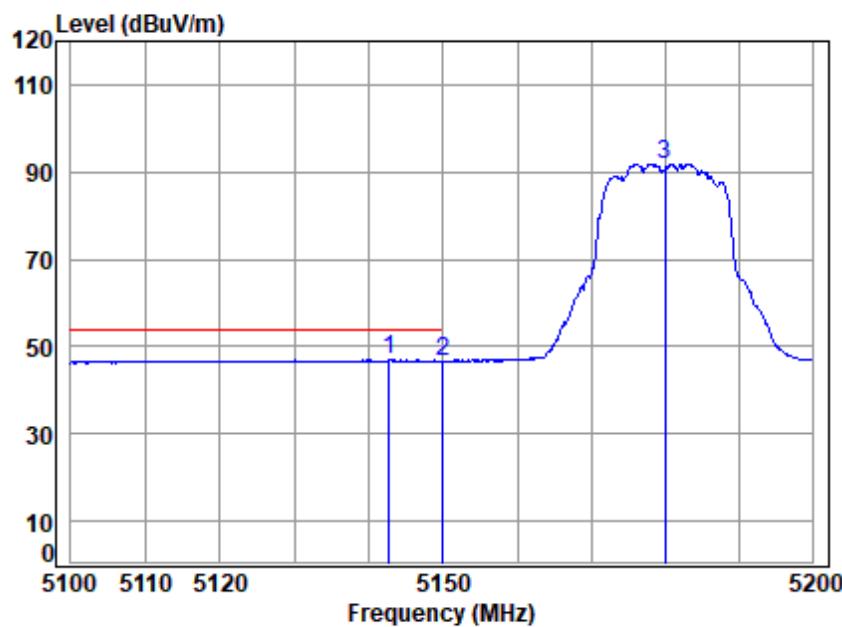
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5180 Band edge
: 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over 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



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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

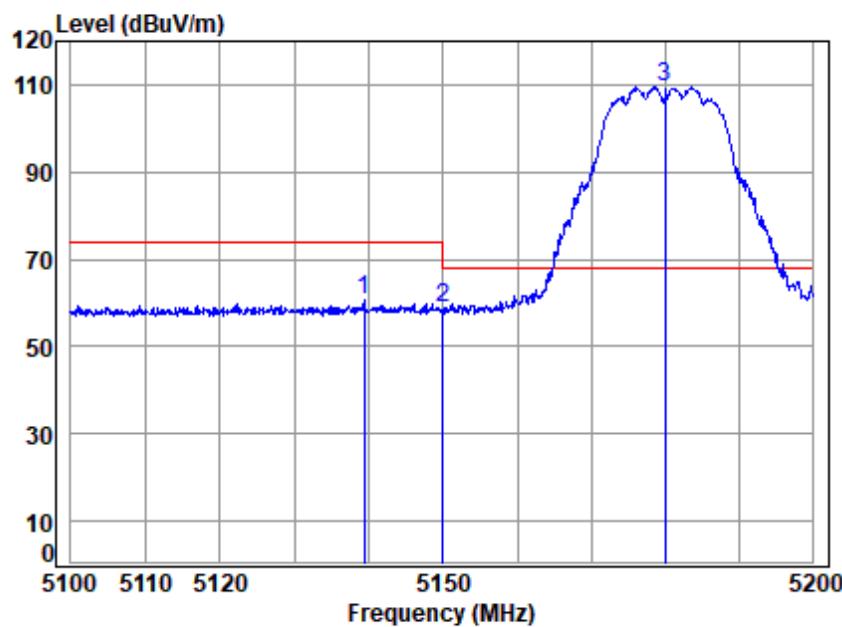
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level		
1	5142.762	7.56	34.32	42.32	47.33	46.89	54.00	-7.11 Average
2	5149.980	7.57	34.32	42.32	47.17	46.74	54.00	-7.26 Average
3	5180.000	7.63	34.35	42.32	92.27	91.93	-----	----- Average



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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

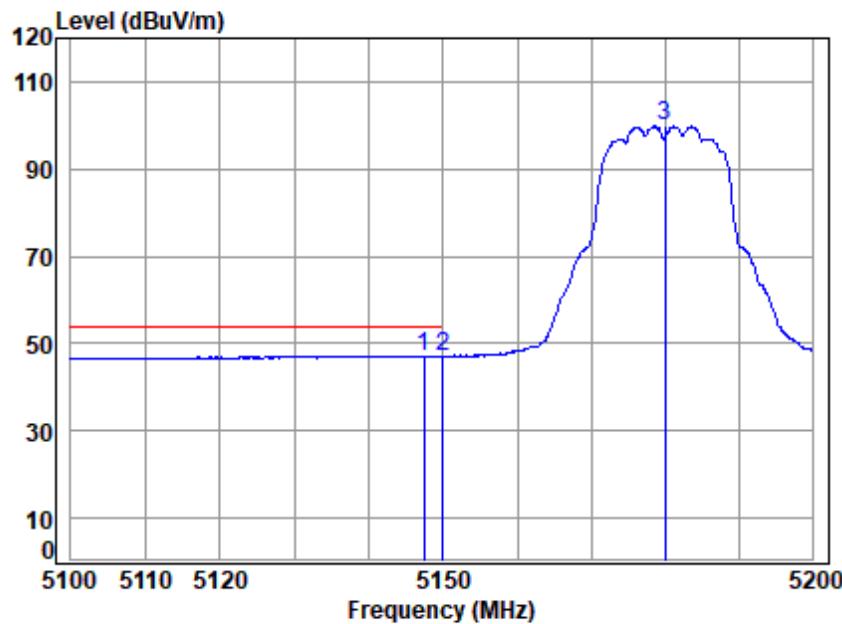
		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	Freq MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5139.368	7.55	34.32	42.32	60.98	60.53	74.00	-13.47	peak
2	5149.980	7.57	34.32	42.32	59.11	58.68	74.00	-15.32	peak
3 *	5180.000	7.63	34.35	42.32	109.99	109.65	68.20	41.45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



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



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

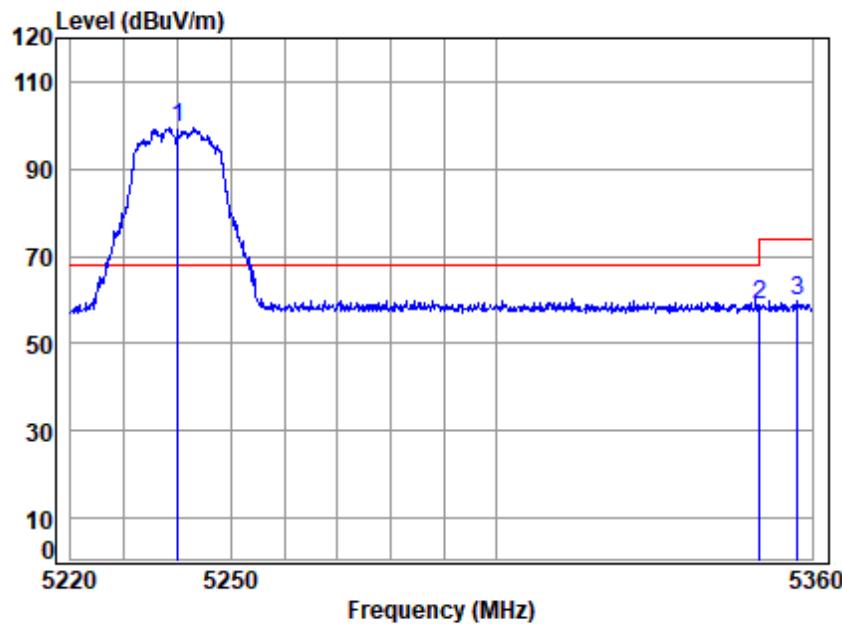
Mode : 5180 Band edge
: 5G WIFI 11A

		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	Freq	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

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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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m	dB	dB	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

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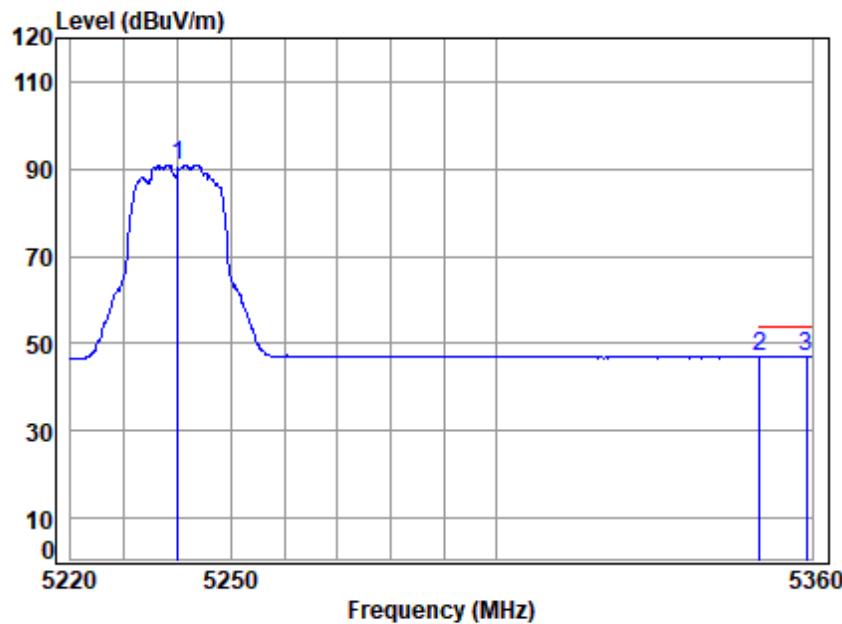
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Test Mode: 21; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



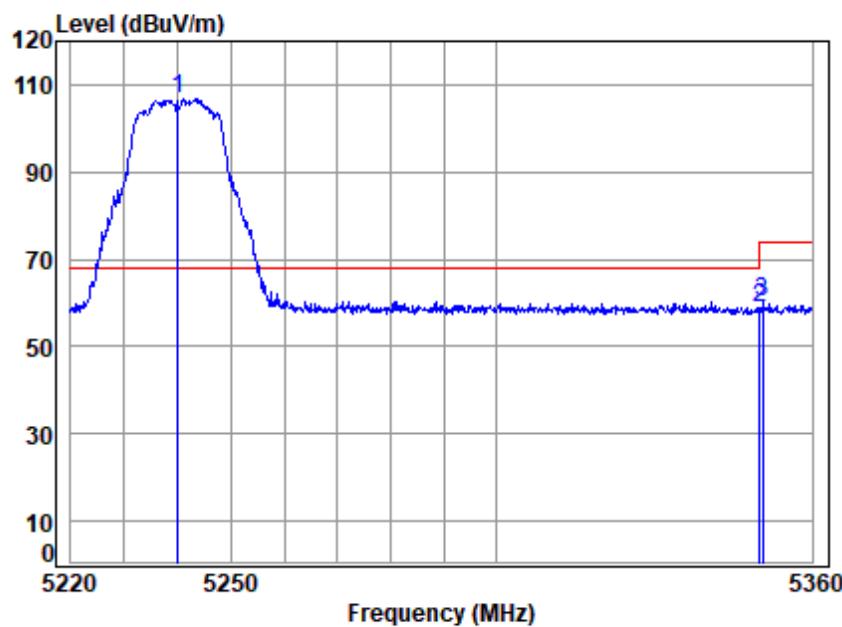
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5240 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		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

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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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	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

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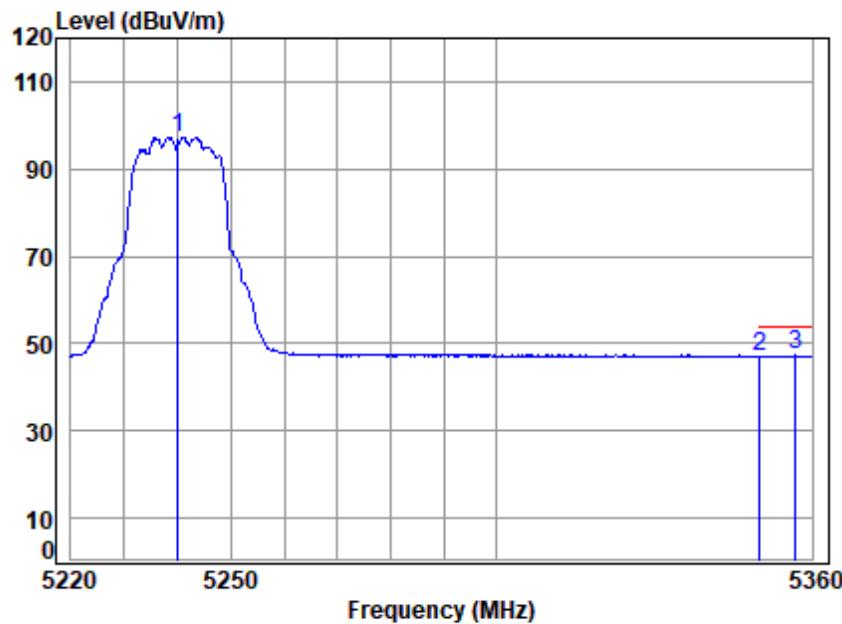
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Test Mode: 21; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

Mode : 5240 Band edge
: 5G WIFI 11A

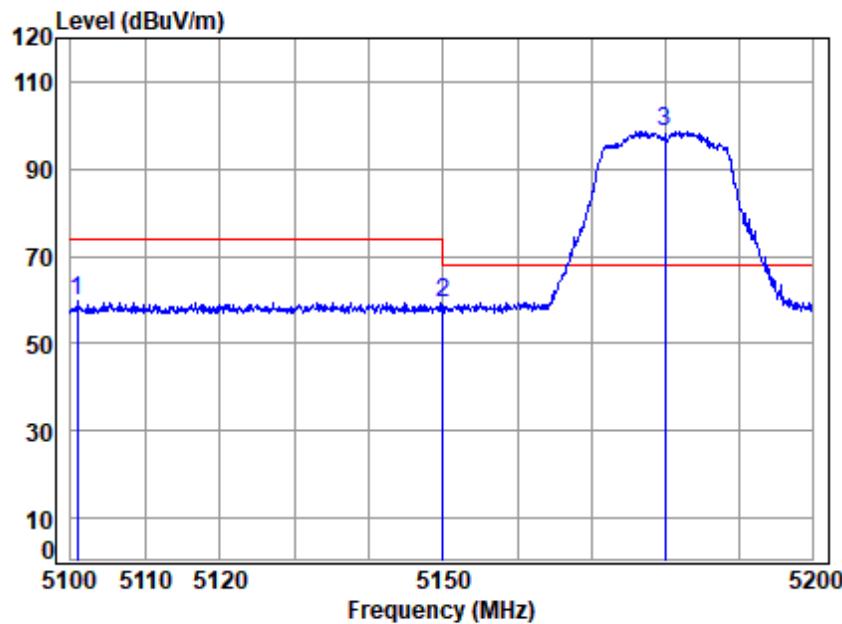
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	97.56	97.36	-----	Average
2 5350.020	7.92	34.48	42.34	47.07	47.13	54.00	-6.87 Average
3 5356.880	7.94	34.49	42.34	47.15	47.24	54.00	-6.76 Average

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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

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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



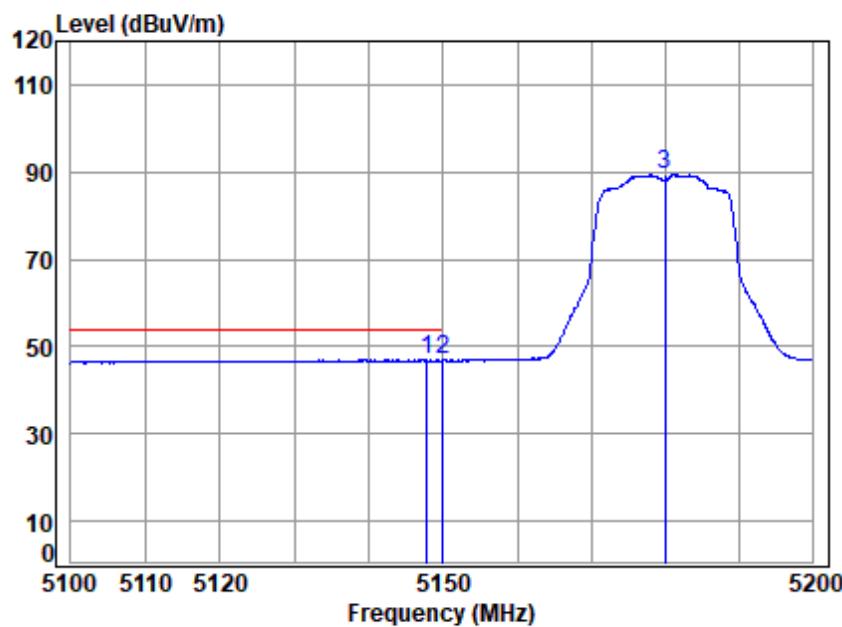
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Test Mode: 21; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



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

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

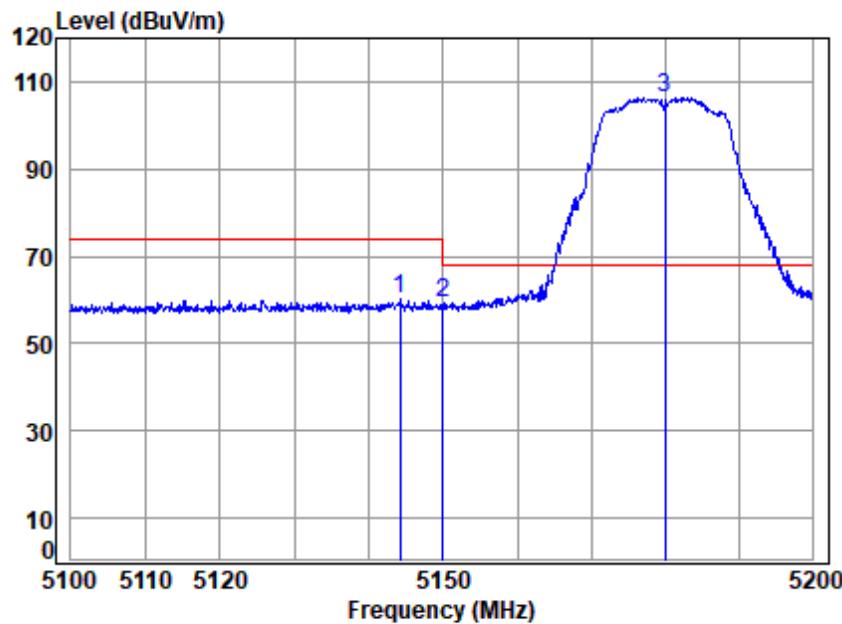


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Test Mode: 21; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



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

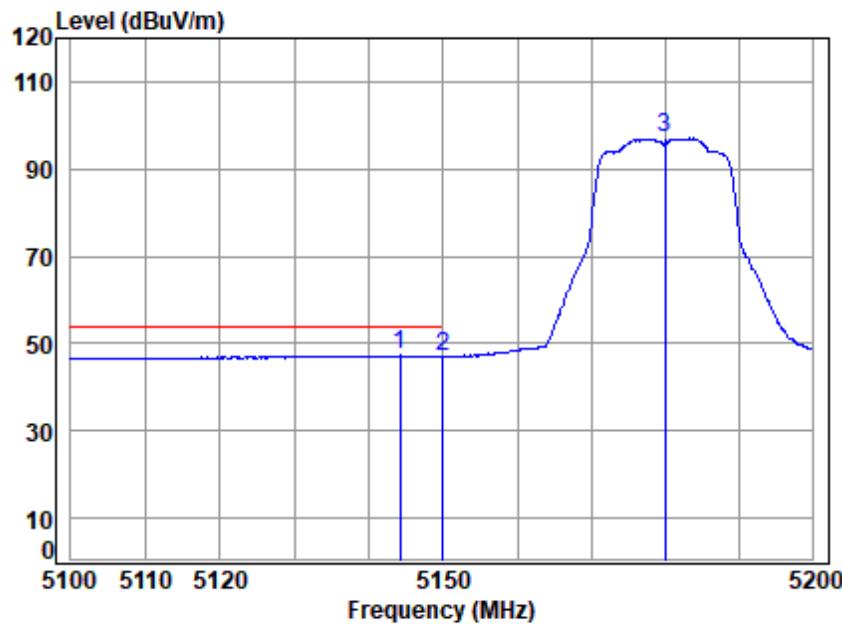
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dB	dBuV	dBuV/m	dB
1 5144.161	7.56	34.32	42.32	60.54	60.10	74.00	-13.90 peak
2 5149.980	7.57	34.32	42.32	59.63	59.20	74.00	-14.80 peak
3 * 5180.000	7.63	34.35	42.32	106.83	106.49	68.20	38.29 peak



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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

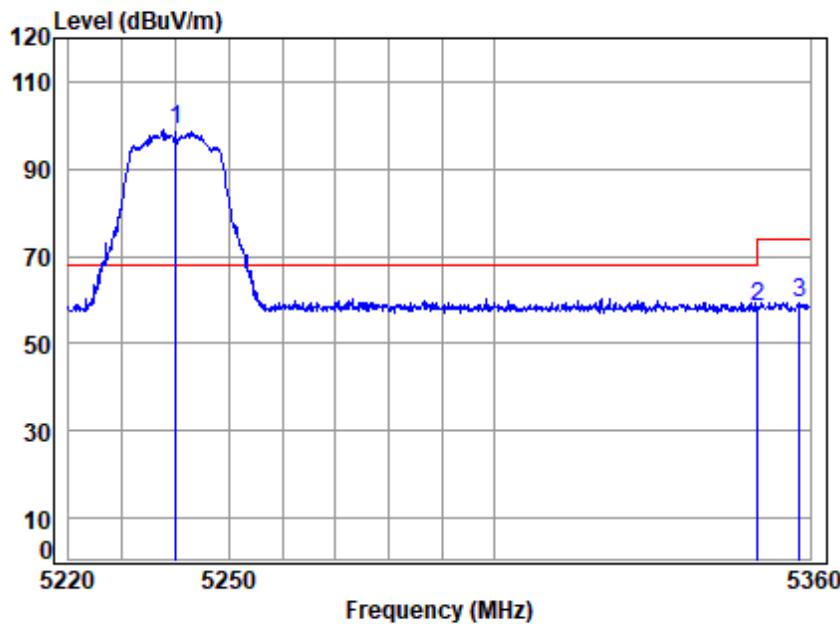
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Remark
				dB	dB/m	dB	dBuV	dBuV/m
1 5144.161	7.56	34.32	42.32	47.70	47.26	54.00	-6.74	Average
2 5149.980	7.57	34.32	42.32	47.53	47.10	54.00	-6.90	Average
3 5180.000	7.63	34.35	42.32	97.31	96.97	-----	-----	Average



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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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Over	Remark
	Loss	Factor	Factor	Level				
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

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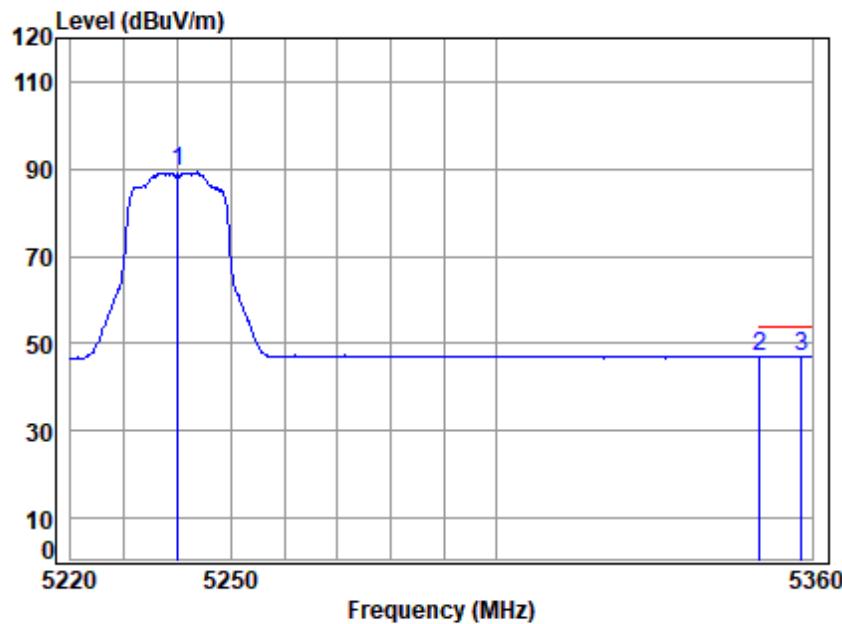
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Test Mode: 21; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



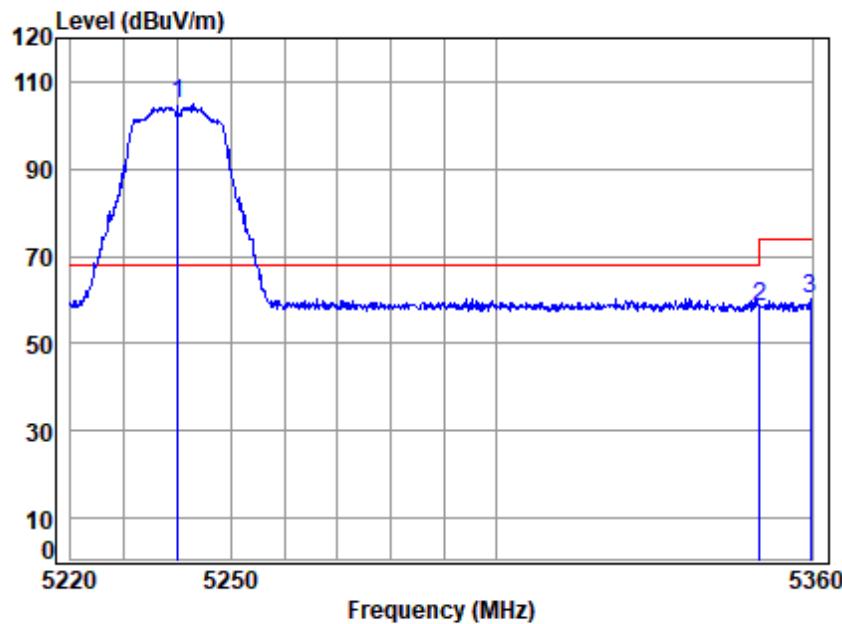
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5240 Band edge
: 5G WIFI 11N20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	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

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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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
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

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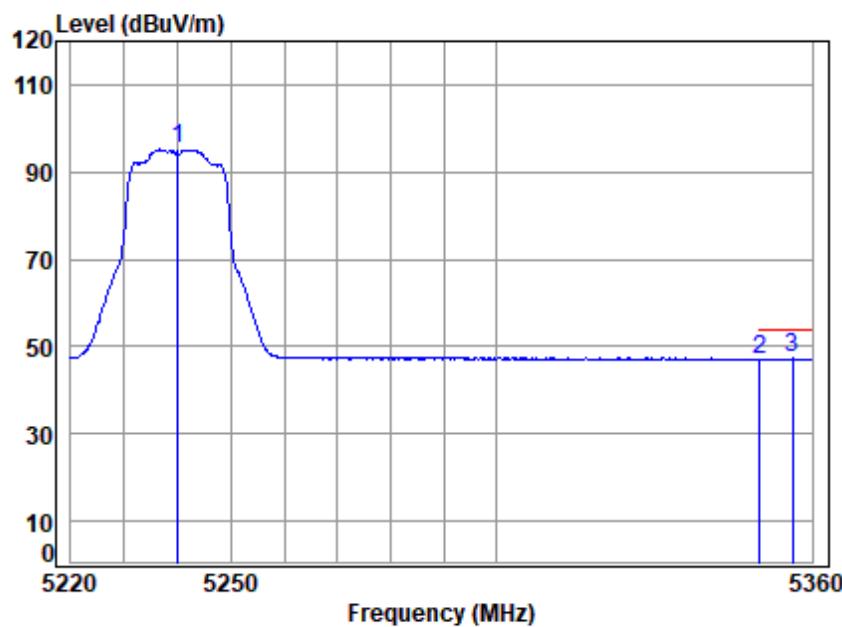
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Test Mode: 21; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



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

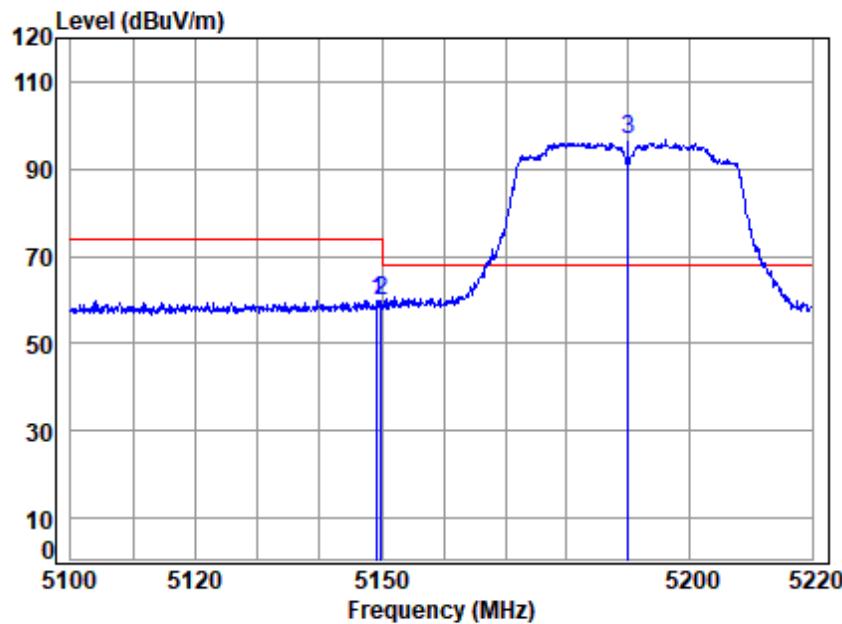
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	95.37	95.17	-----	Average
2 5350.020	7.92	34.48	42.34	46.96	47.02	54.00	-6.98 Average
3 5356.313	7.94	34.49	42.34	47.14	47.23	54.00	-6.77 Average

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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

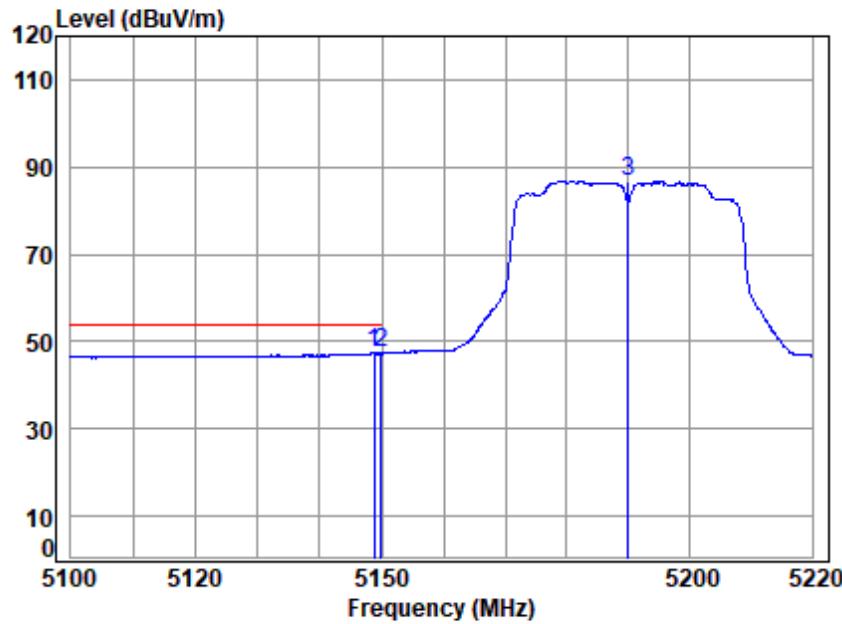
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.342	7.57	34.32	42.32	60.26	59.83	74.00	-14.17	peak
2	5149.980	7.57	34.32	42.32	60.15	59.72	74.00	-14.28	peak
3 *	5190.000	7.64	34.36	42.32	97.01	96.69	68.20	28.49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



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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

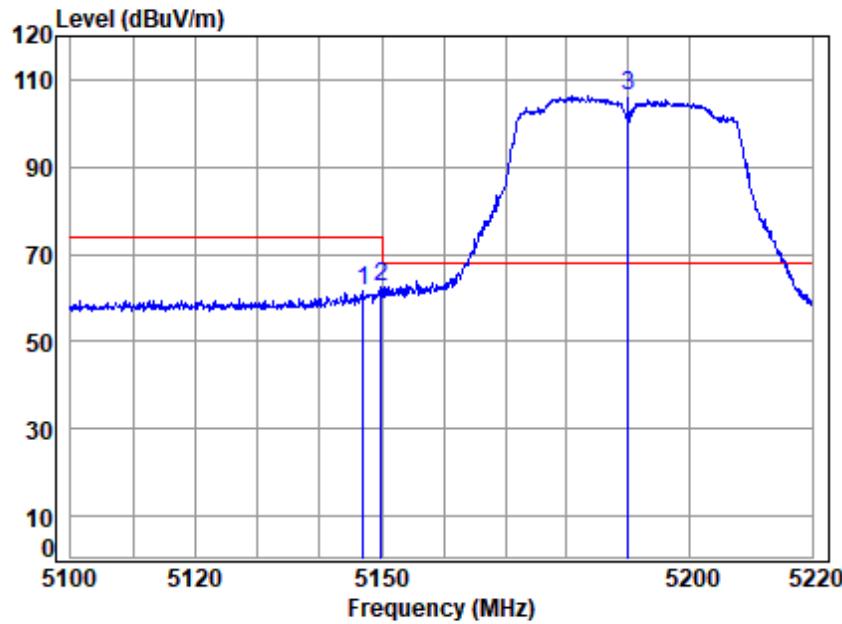
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.743	7.57	34.32	42.32	47.80	47.37	54.00	-6.63 Average
2	5149.980	7.57	34.32	42.32	47.72	47.29	54.00	-6.71 Average
3	5190.000	7.64	34.36	42.32	87.23	86.91	-----	----- Average



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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

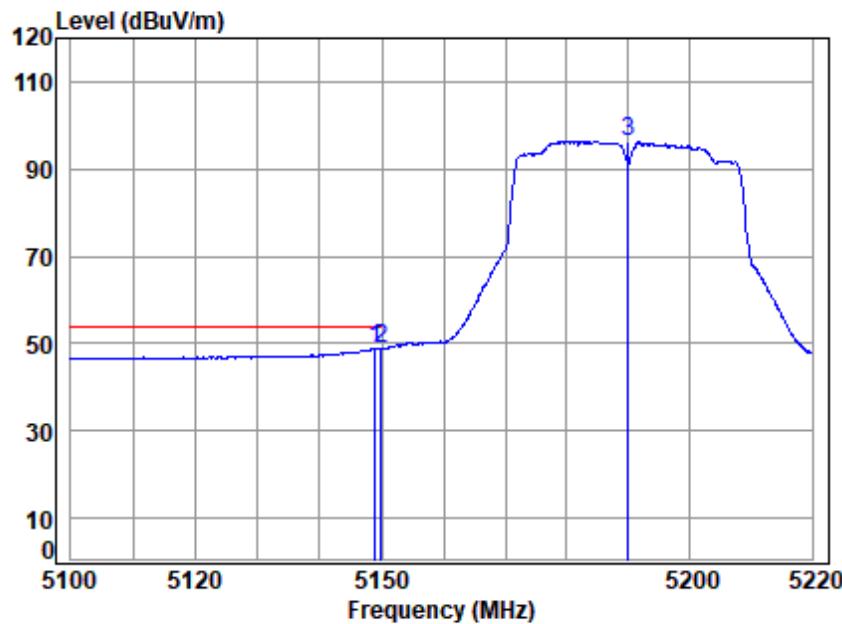
		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
Freq	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	
1	5147.067	7.57	34.32	42.32	61.90	61.47	74.00	-12.53	peak
2	5149.980	7.57	34.32	42.32	62.76	62.33	74.00	-11.67	peak
3 *	5190.000	7.64	34.36	42.32	106.54	106.22	68.20	38.02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



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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

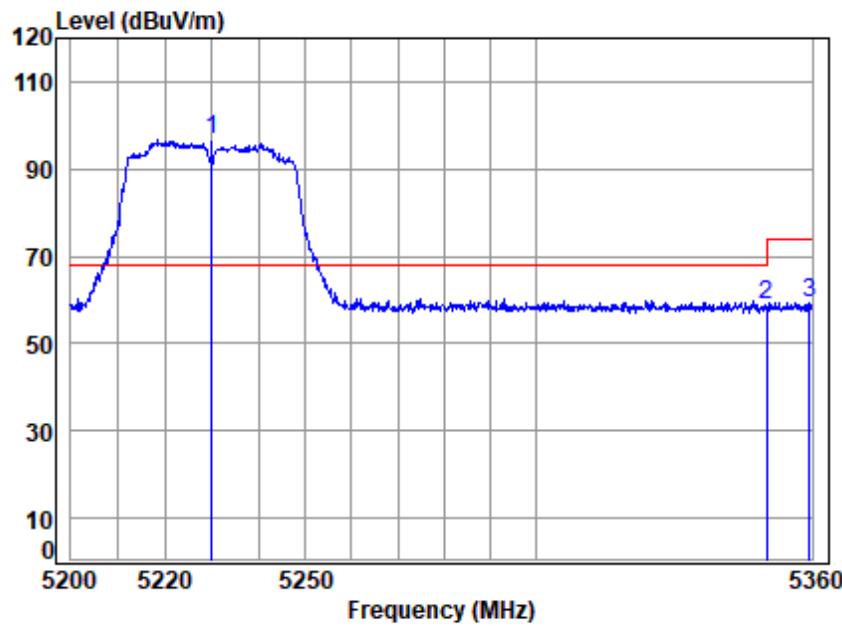
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Limit	Over Limit	Remark
				Level				
MHz	dB	dB/m		dBuV	dBuV/m	dBuV/m	dB	
1 5148.863	7.57	34.32	42.32	49.34	48.91	54.00	-5.09	Average
2 5149.980	7.57	34.32	42.32	49.22	48.79	54.00	-5.21	Average
3 5190.000	7.64	34.36	42.32	96.74	96.42	-----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



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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

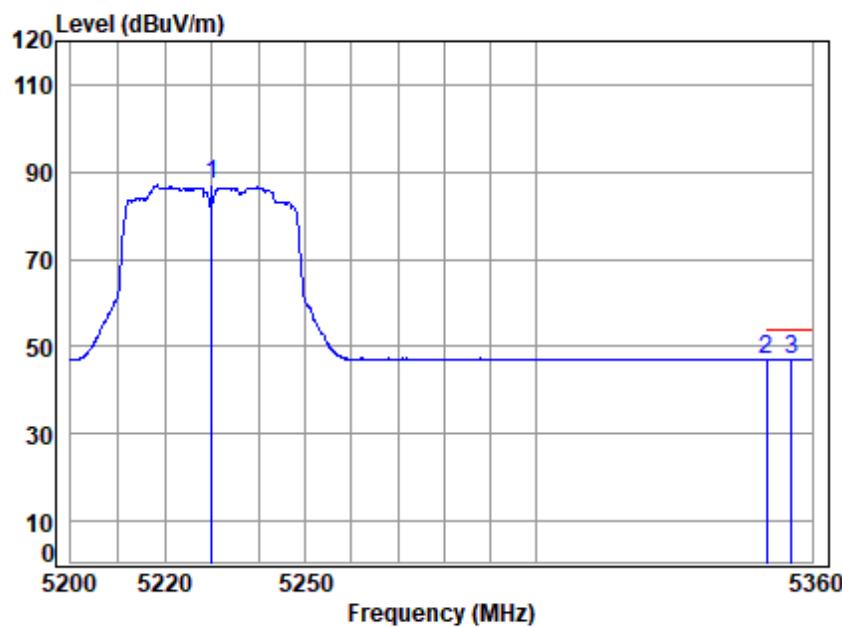
Freq	Cable	Ant	Preamp	Read	Limit	Over	Over	
	Loss	Factor	Factor	Level				Remark
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	7.72	34.39	42.32	96.87	96.66	68.20	28.46	peak
2 5350.020	7.92	34.48	42.34	58.70	58.76	74.00	-15.24	peak
3 5359.350	7.94	34.49	42.34	59.38	59.47	74.00	-14.53	peak



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



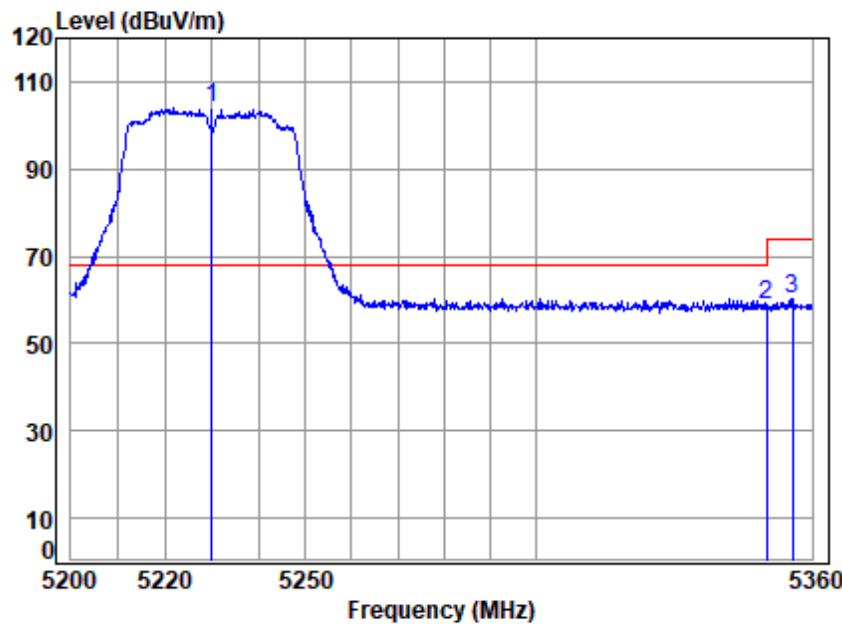
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5230 Band edge
: 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	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

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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

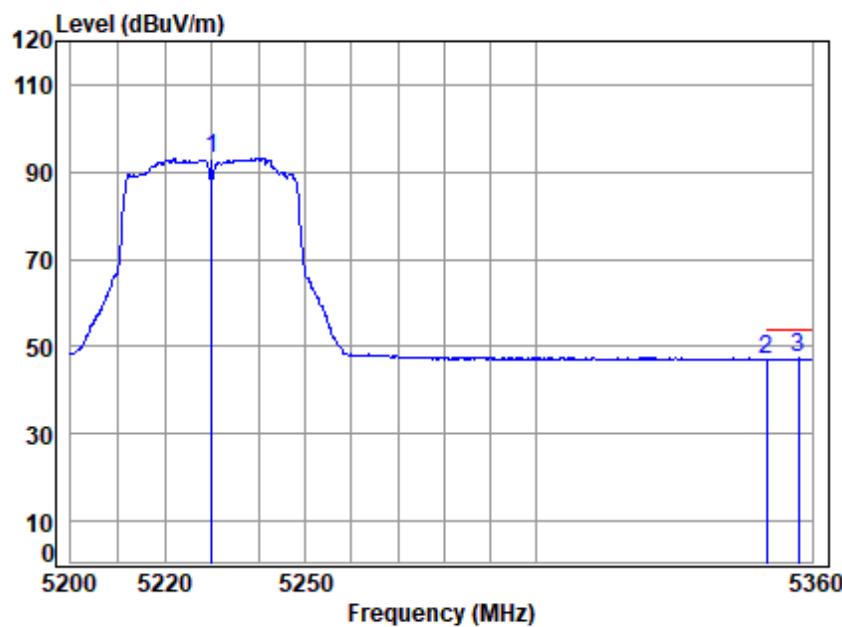
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m		dB
1 * 5230.000	7.72	34.39	42.32	104.13	103.92	68.20	35.72	peak
2 5350.020	7.92	34.48	42.34	58.99	59.05	74.00	-14.95	peak
3 5355.616	7.93	34.49	42.34	60.28	60.36	74.00	-13.64	peak



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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

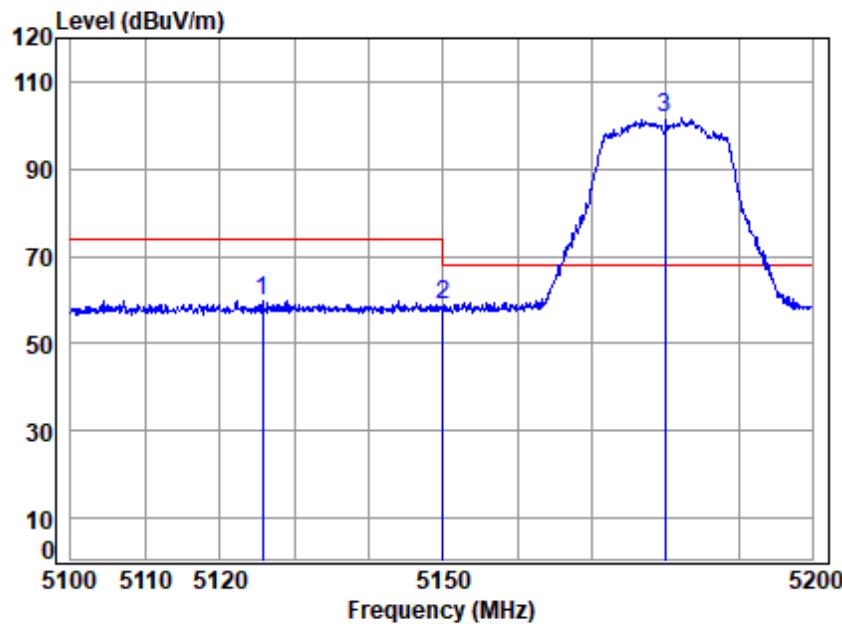
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	7.72	34.39	42.32	93.33	93.12	-----	----- Average
2	5350.020	7.92	34.48	42.34	47.09	47.15	54.00	-6.85 Average
3	5357.077	7.94	34.49	42.34	47.14	47.23	54.00	-6.77 Average



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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

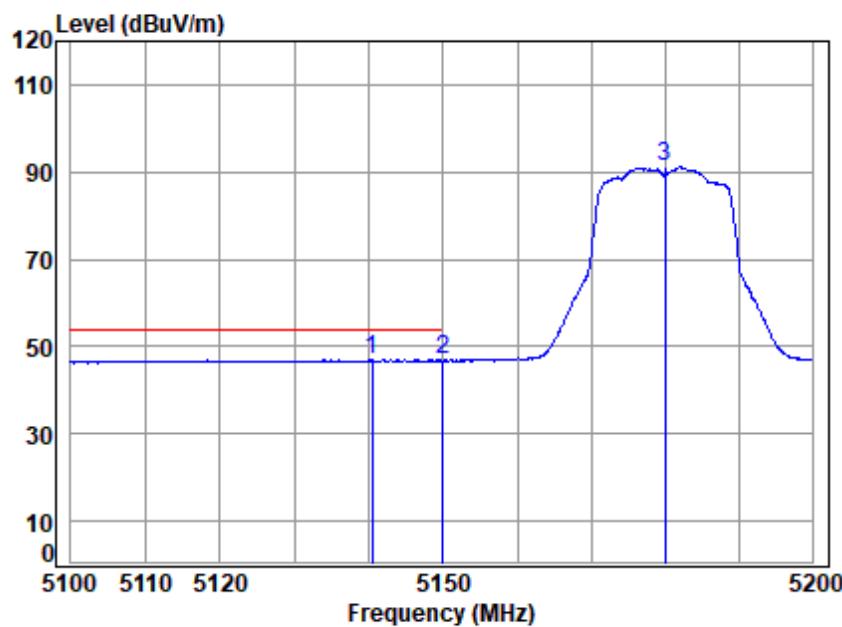
		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	Freq MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5125.714	7.53	34.30	42.31	60.45	59.97	74.00	-14.03	peak
2	5149.980	7.57	34.32	42.32	59.20	58.77	74.00	-15.23	peak
3 *	5180.000	7.63	34.35	42.32	101.91	101.57	68.20	33.37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



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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

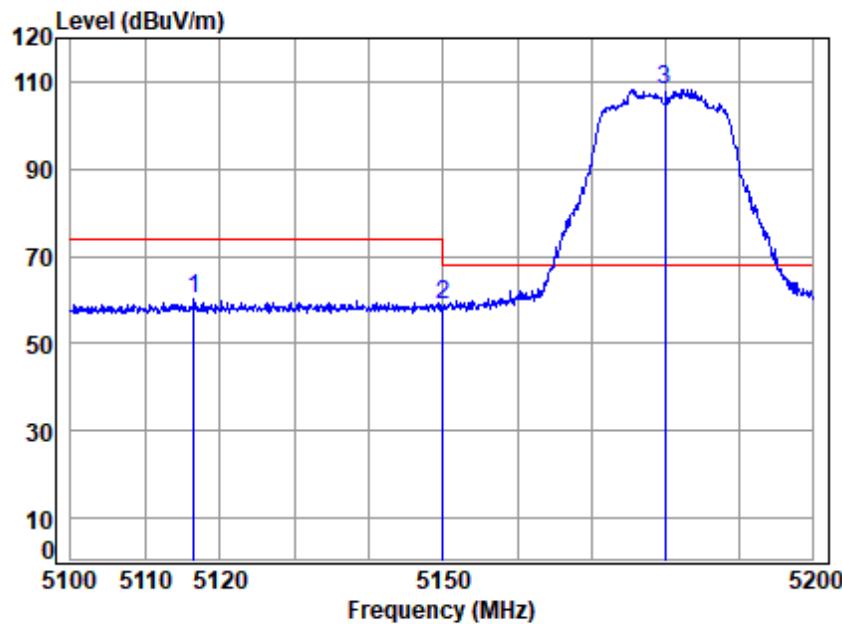
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5140.466	7.56	34.32	42.32	47.35	46.91	54.00	-7.09 Average
2 5149.980	7.57	34.32	42.32	47.27	46.84	54.00	-7.16 Average
3 5180.000	7.63	34.35	42.32	91.65	91.31	-----	----- Average



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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

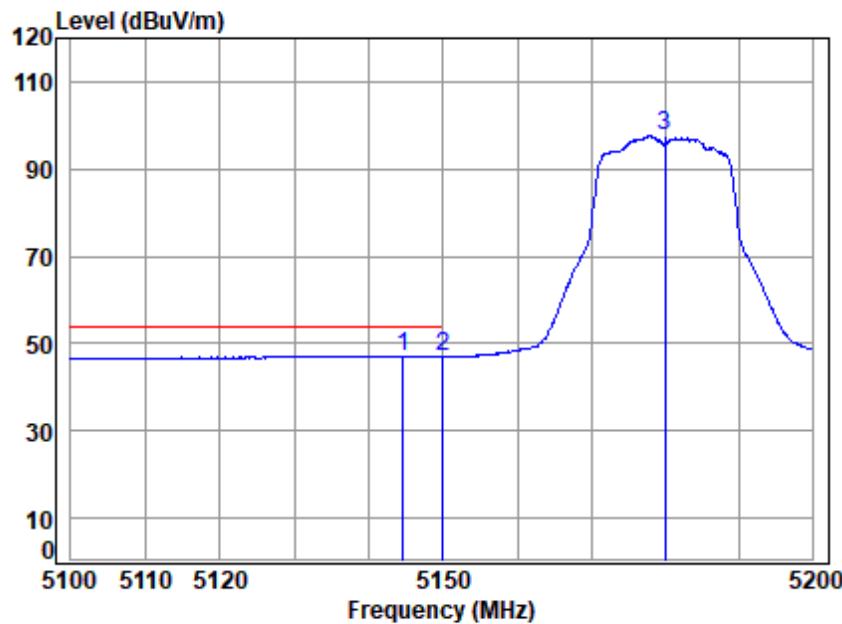
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5116.466	7.51	34.30	42.31	60.51	60.01	74.00	-13.99 peak
2	5149.980	7.57	34.32	42.32	59.37	58.94	74.00	-15.06 peak
3 *	5180.000	7.63	34.35	42.32	108.48	108.14	68.20	39.94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



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



Site : chamber
Condition: 3m VERTICAL

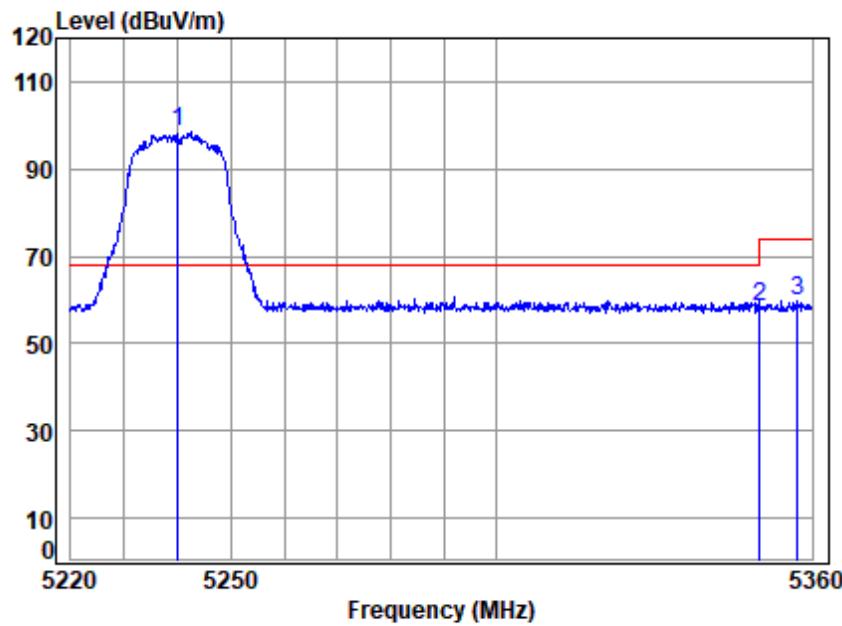
Job No : 02179CR
Mode : 5180 Band edge
: 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

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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

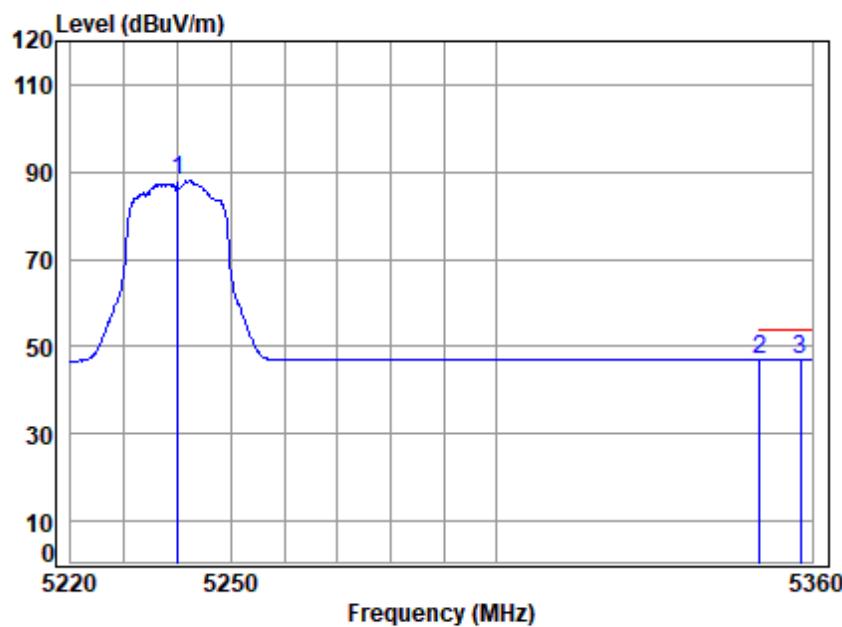
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dB	dBuV	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	98.56	98.36	68.20	30.16 peak
2 5350.020	7.92	34.48	42.34	58.15	58.21	74.00	-15.79 peak
3 5357.305	7.94	34.49	42.34	59.83	59.92	74.00	-14.08 peak



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



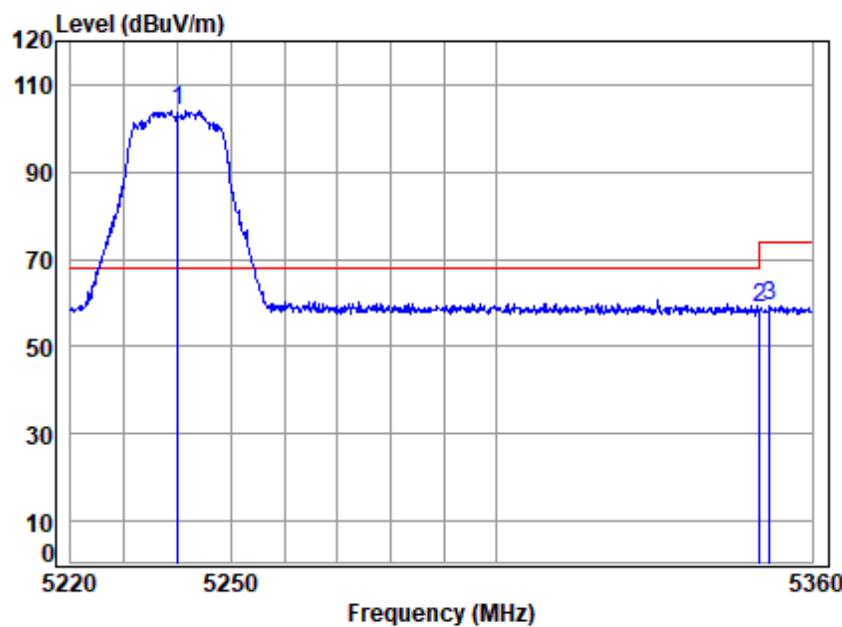
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5240 Band edge
: 5G WIFI 11AC20

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

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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

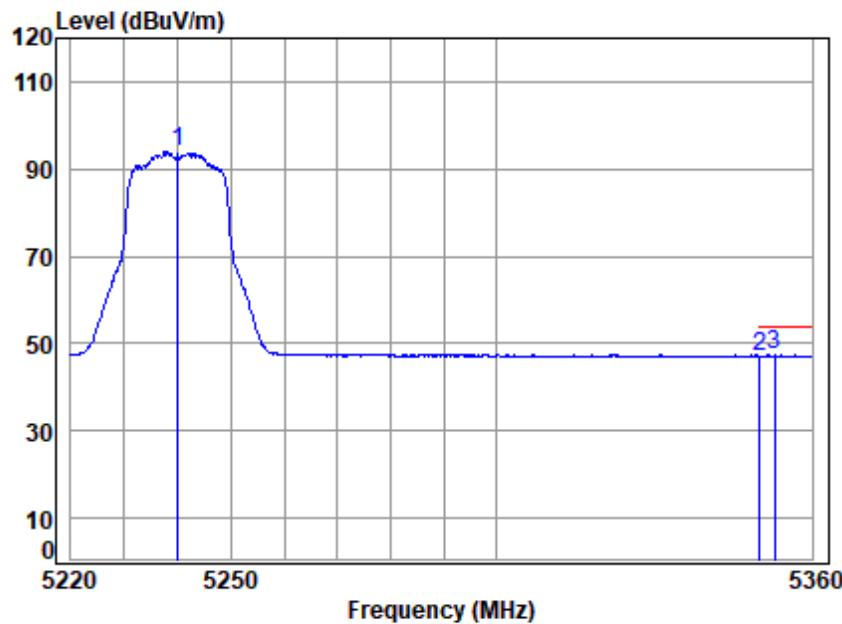
Mode : 5240 Band edge
: 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dB	dBuV	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

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



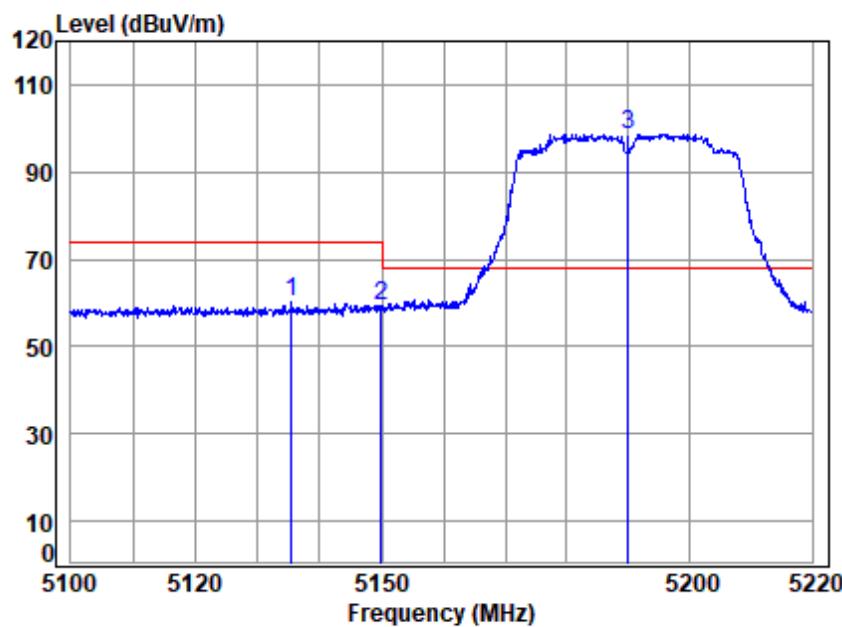
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5240 Band edge
: 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	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

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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

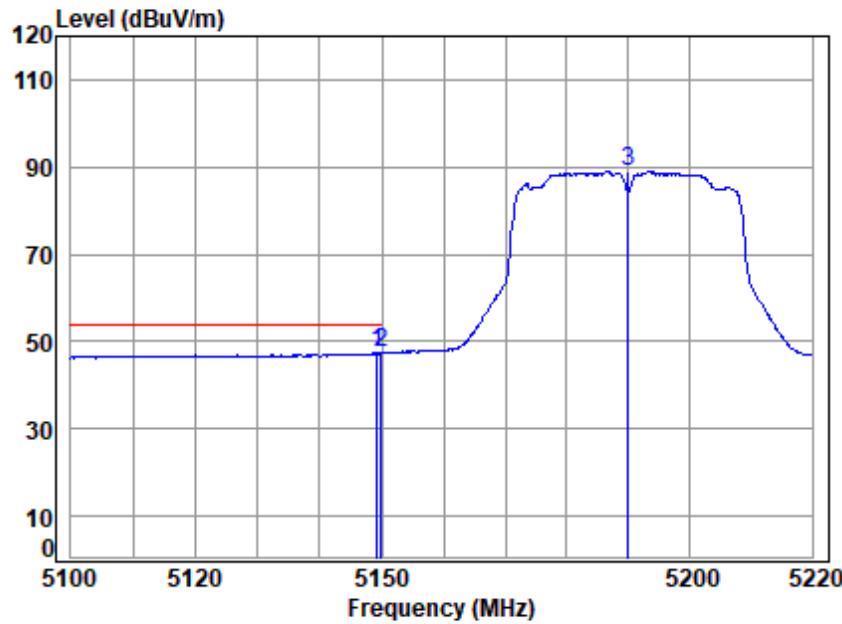
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5135.469	7.55	34.31	42.31	60.57	60.12	74.00	-13.88	peak
2	5149.980	7.57	34.32	42.32	59.64	59.21	74.00	-14.79	peak
3 *	5190.000	7.64	34.36	42.32	99.09	98.77	68.20	30.57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



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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

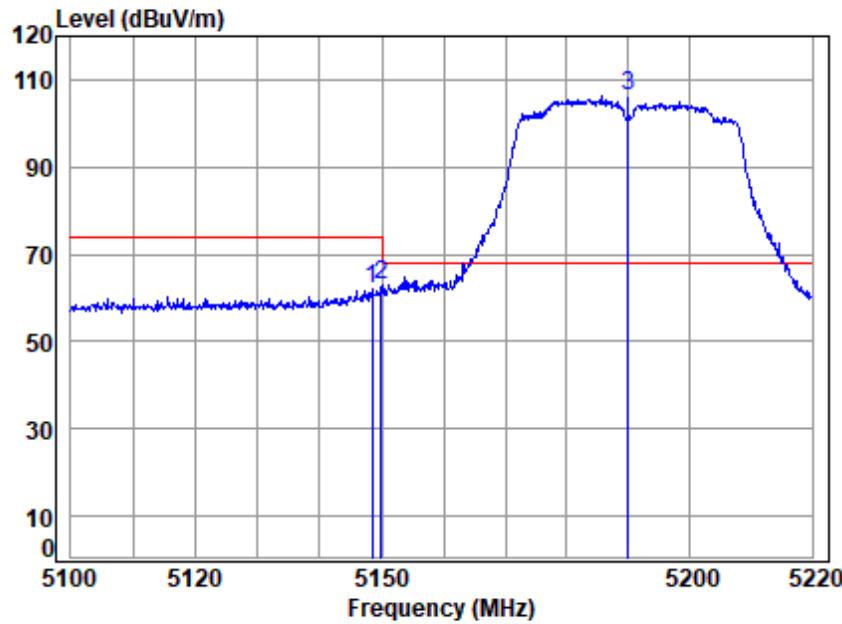
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Remark
				dB	dB/m	dB	dBuV	dBuV/m
1 5149.342	7.57	34.32	42.32	47.70	47.27	54.00	-6.73	Average
2 5149.980	7.57	34.32	42.32	47.79	47.36	54.00	-6.64	Average
3 5190.000	7.64	34.36	42.32	89.28	88.96	-----	-----	Average

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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

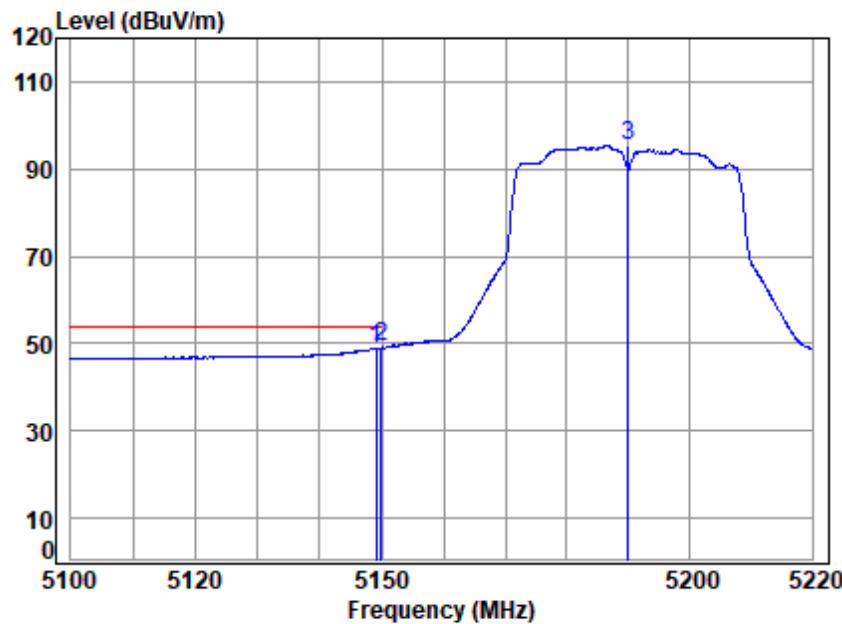
		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
Freq	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	
1	5148.384	7.57	34.32	42.32	62.59	62.16	74.00	-11.84	peak
2	5149.980	7.57	34.32	42.32	63.37	62.94	74.00	-11.06	peak
3 *	5190.000	7.64	34.36	42.32	106.48	106.16	68.20	37.96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



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



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

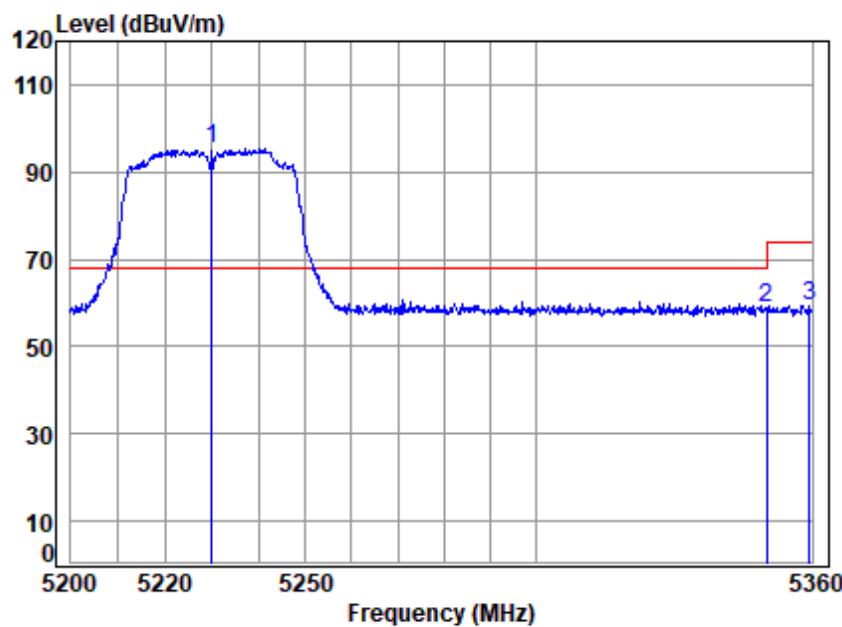
Mode : 5190 Band edge
: 5G WIFI 11AC40

		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	Freq	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

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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

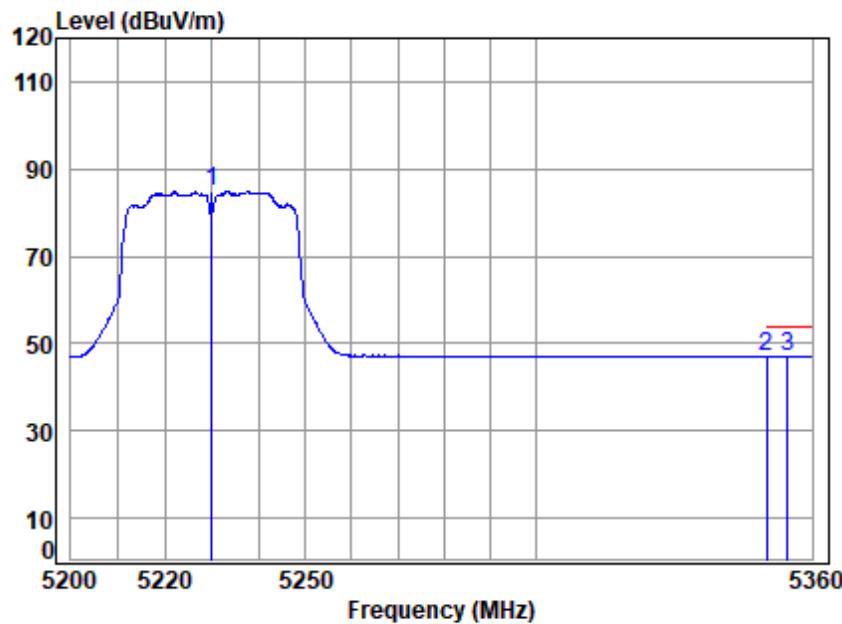
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	7.72	34.39	42.32	95.57	95.36	68.20	27.16 peak
2 5350.020	7.92	34.48	42.34	58.71	58.77	74.00	-15.23 peak
3 5359.513	7.94	34.49	42.34	59.35	59.44	74.00	-14.56 peak



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



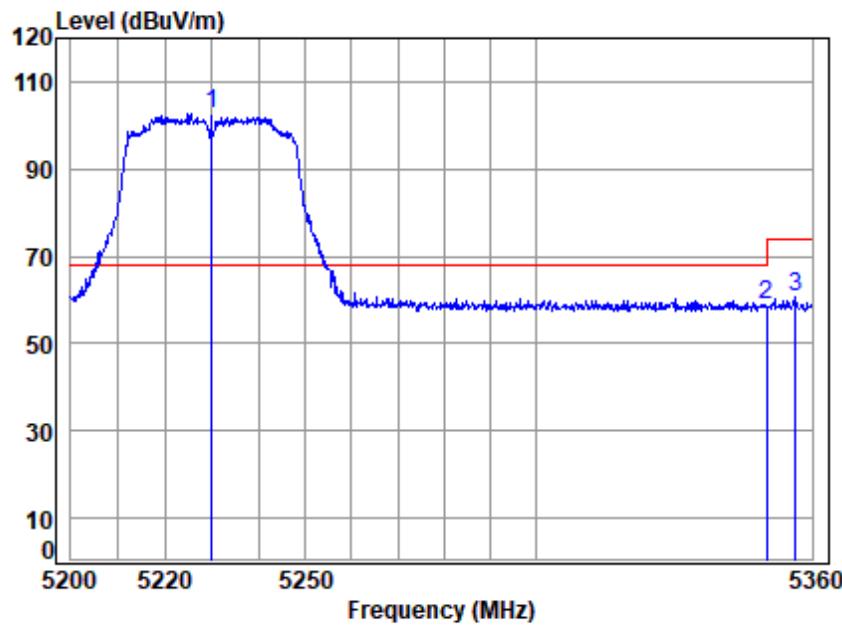
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5230 Band edge
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	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

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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

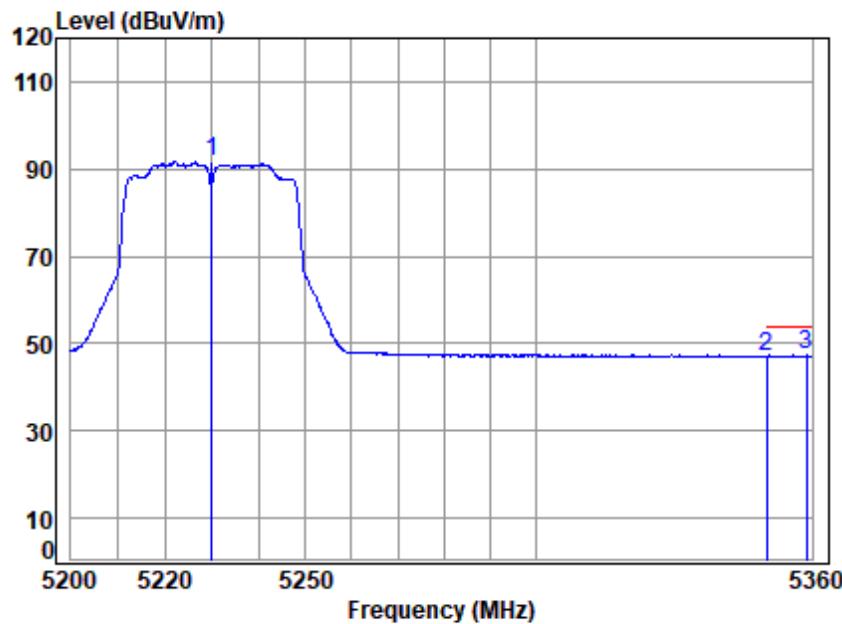
Mode : 5230 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
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

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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

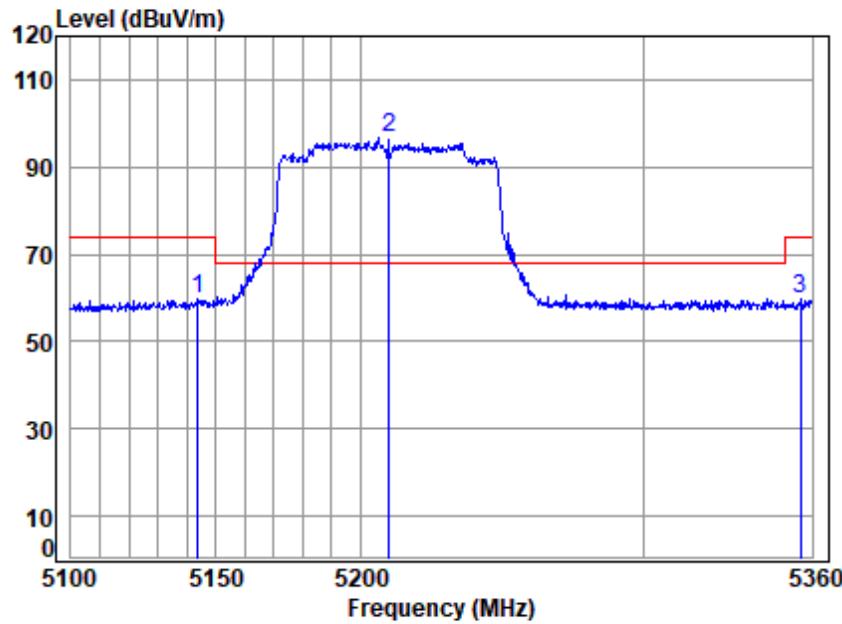
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	7.72	34.39	42.32	91.99	91.78	-----	-----	Average
2	5350.020	7.92	34.48	42.34	47.15	47.21	54.00	-6.79	Average
3	5358.701	7.94	34.49	42.34	47.27	47.36	54.00	-6.64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



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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

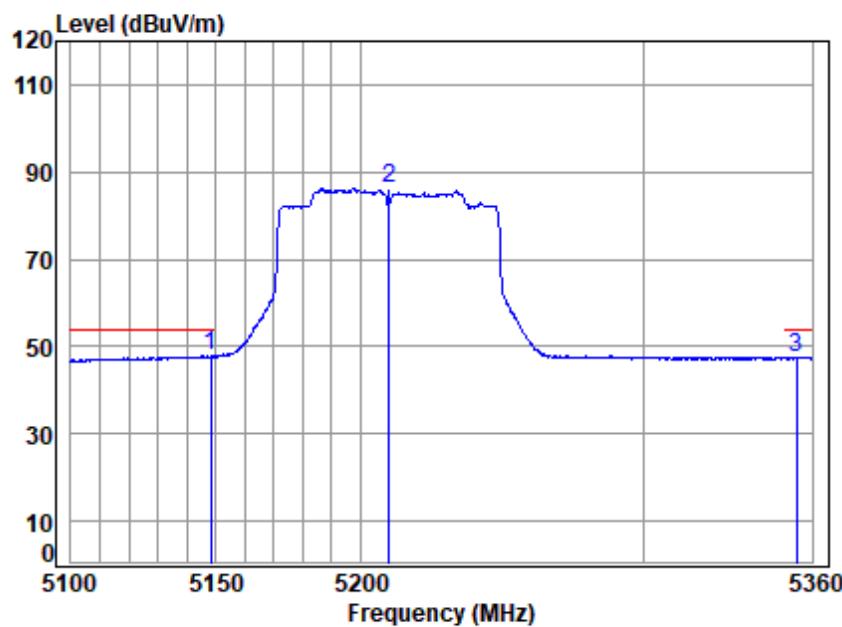
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5143.805	7.56	34.32	42.32	60.27	59.83	74.00	-14.17	peak
2 *	5210.000	7.68	34.37	42.32	96.79	96.52	68.20	28.32	peak
3	5355.737	7.93	34.49	42.34	59.74	59.82	74.00	-14.18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



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



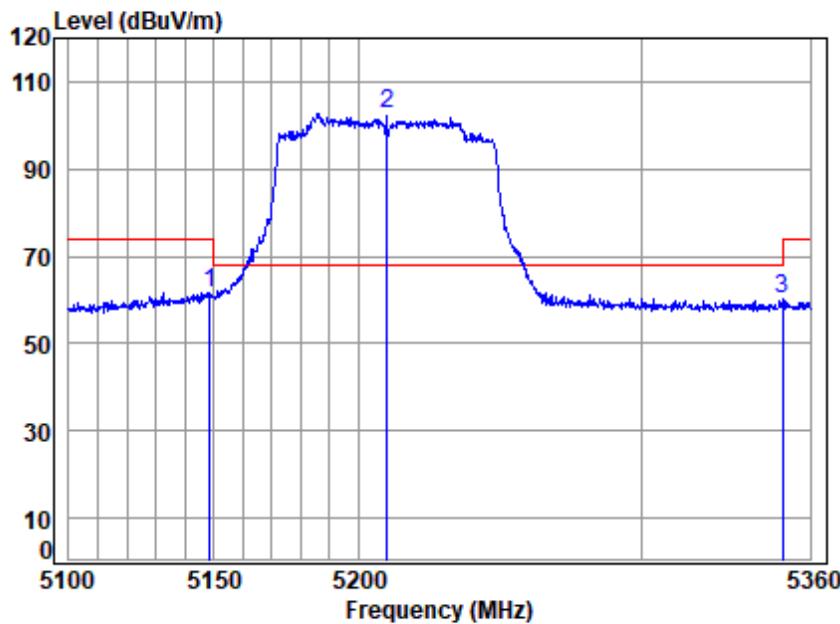
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5210 Band edge
: 5G WIFI 11AC80

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

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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

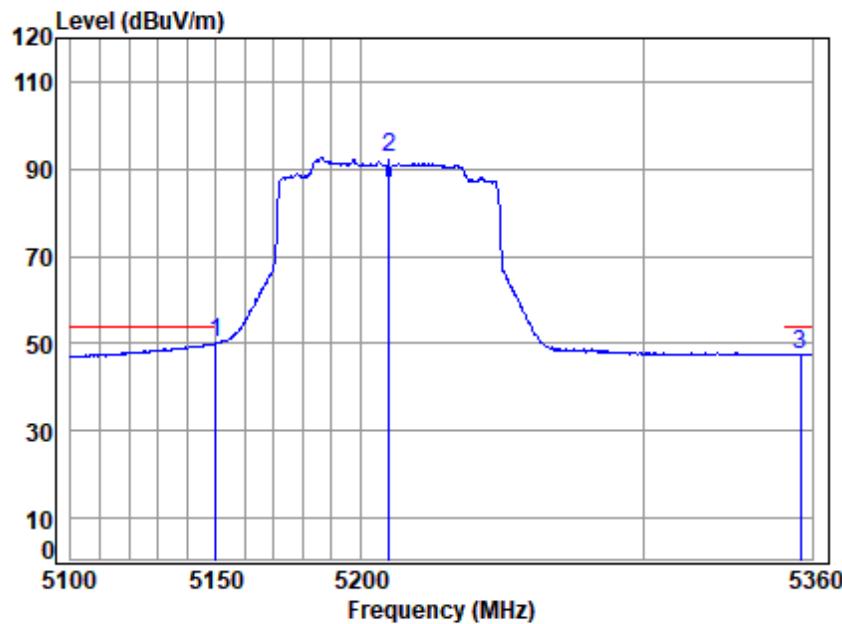
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.410	7.57	34.32	42.32	62.23	61.80	74.00	-12.20 peak
2 *	5210.000	7.68	34.37	42.32	103.14	102.87	68.20	34.67 peak
3	5350.148	7.92	34.48	42.34	60.09	60.15	74.00	-13.85 peak



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



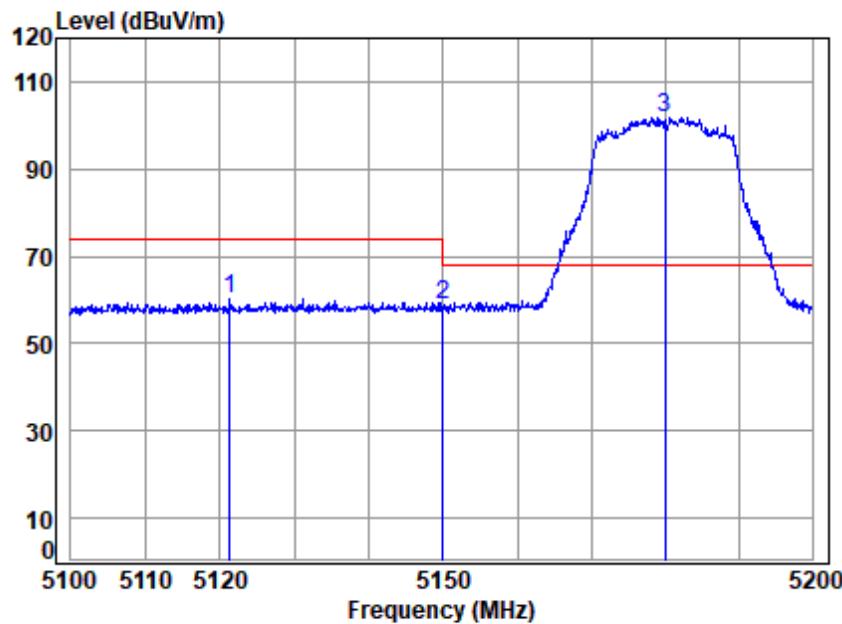
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5210 Band edge
: 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Line	Over Limit	Remark
	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	Average
2	5210.000	7.68	34.37	42.32	92.83	92.56	-----	-----	Average
3	5355.737	7.93	34.49	42.34	47.55	47.63	54.00	-6.37	Average

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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 Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Line	Over 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

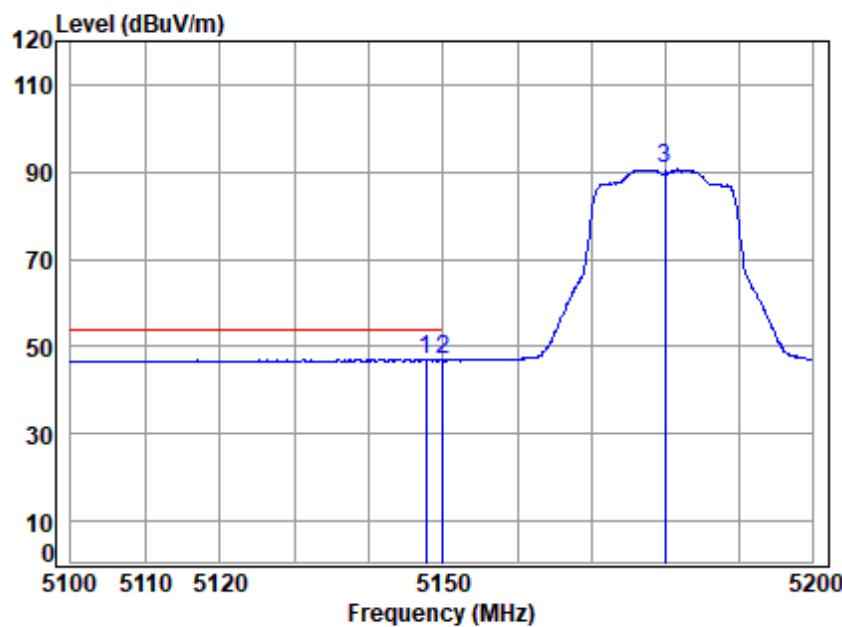


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Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



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

		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	Freq	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

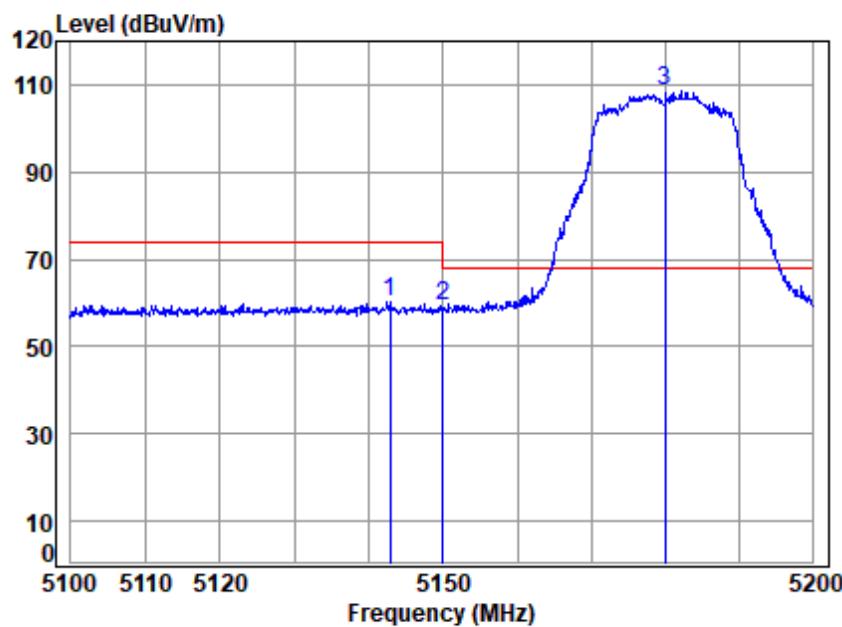


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Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	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

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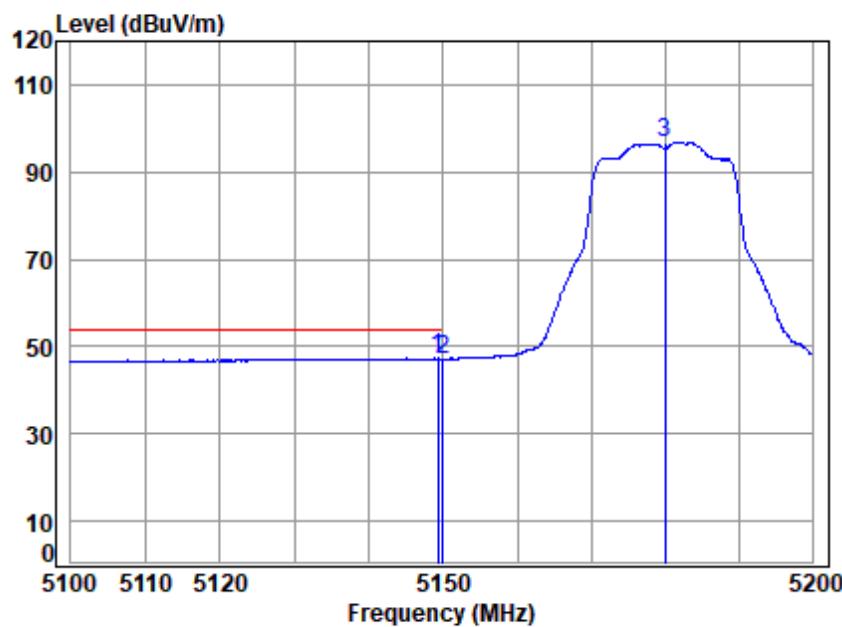
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Test Mode: 21; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

Mode : 5180 Band edge
: 5G WIFI 11AX20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over 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

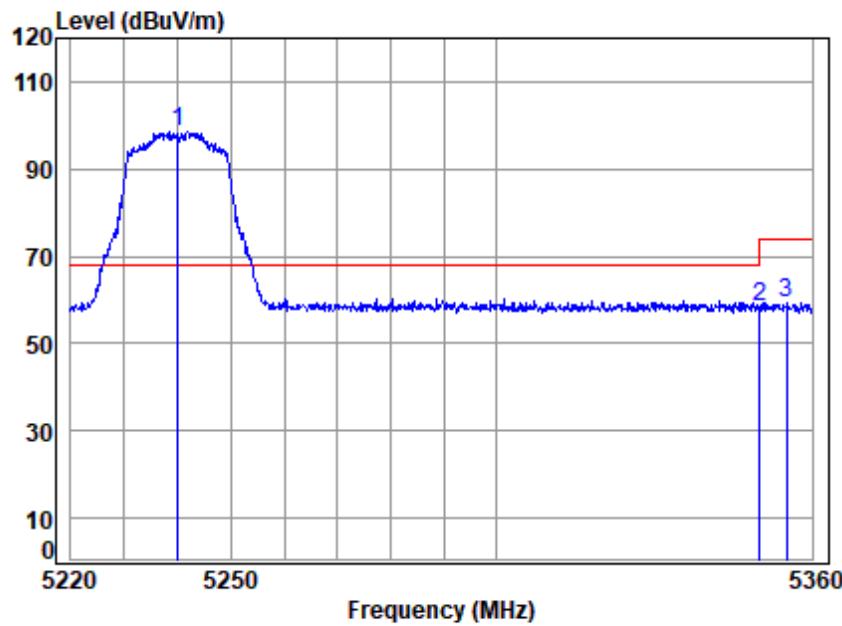


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Test Mode: 21; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



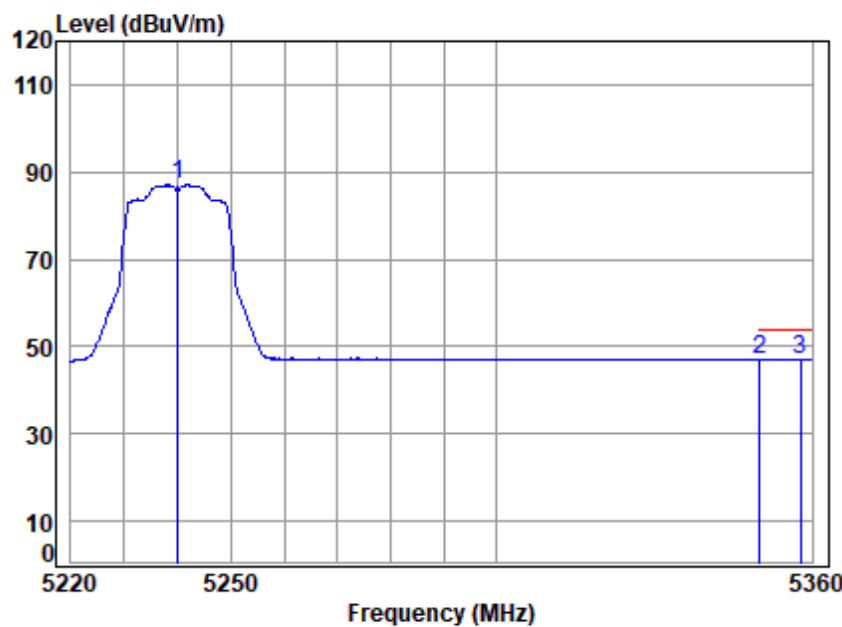
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5240 Band edge
: 5G WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
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

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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

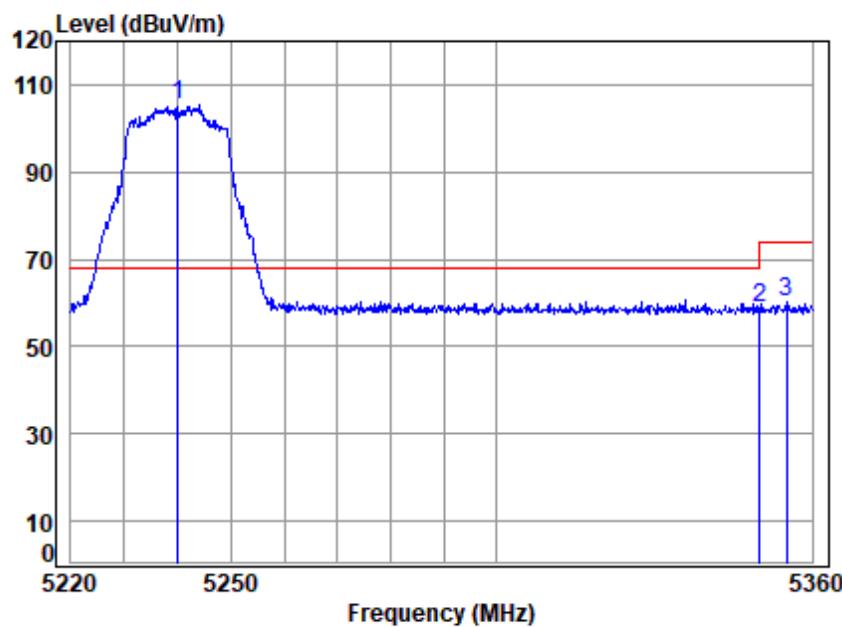
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	87.27	87.07	-----	Average
2 5350.020	7.92	34.48	42.34	46.98	47.04	54.00	-6.96 Average
3 5357.873	7.94	34.49	42.34	47.04	47.13	54.00	-6.87 Average

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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

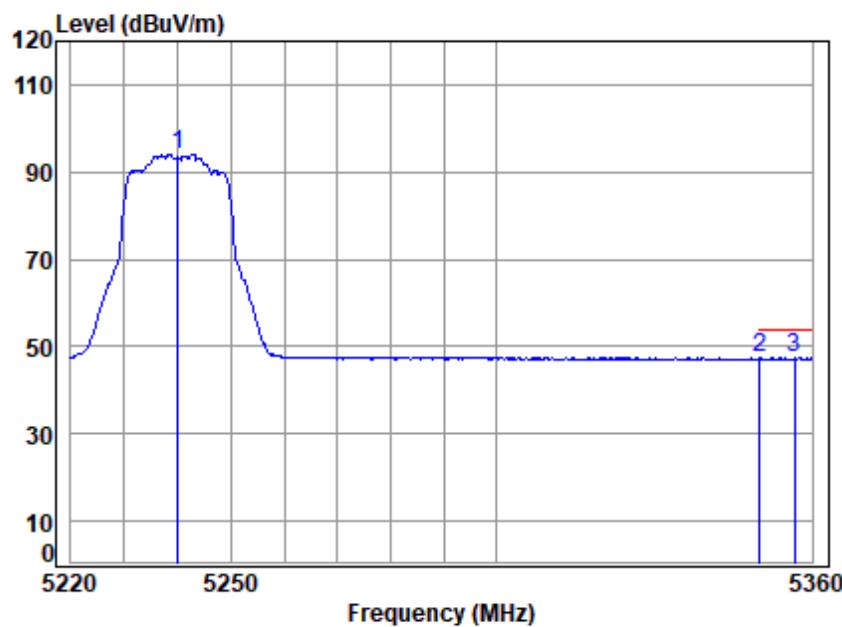
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	105.44	105.24	68.20	37.04 peak
2 5350.020	7.92	34.48	42.34	58.82	58.88	74.00	-15.12 peak
3 5355.037	7.93	34.49	42.34	60.34	60.42	74.00	-13.58 peak



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



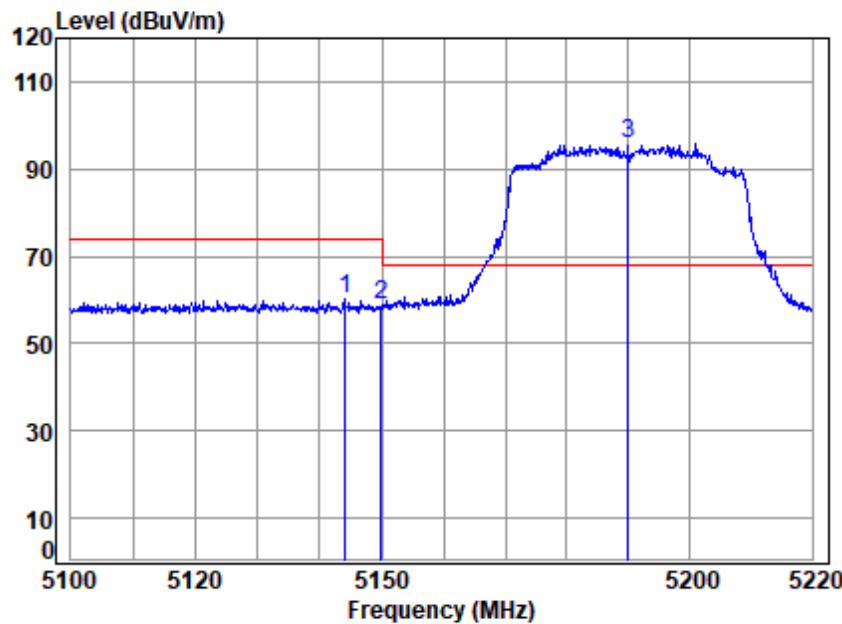
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5240 Band edge
: 5G WIFI 11AX20

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

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



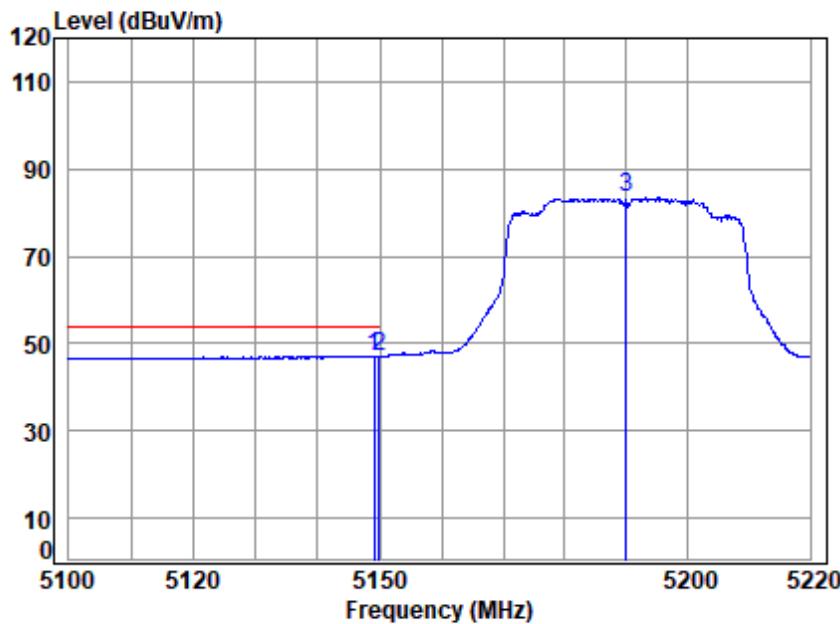
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5190 Band edge
: 5G WIFI 11AX40

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

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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

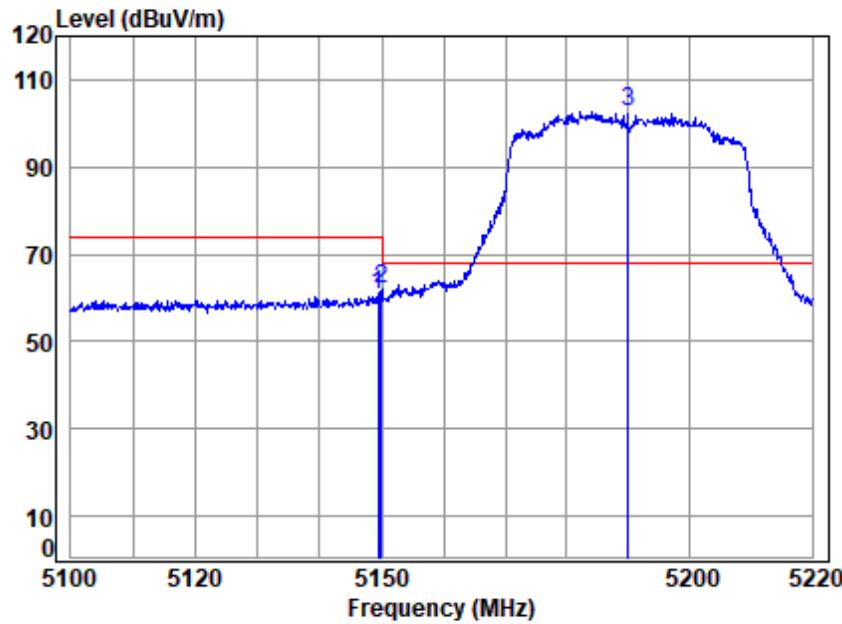
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.102	7.57	34.32	42.32	47.47	47.04	54.00	-6.96 Average
2	5149.980	7.57	34.32	42.32	47.48	47.05	54.00	-6.95 Average
3	5190.000	7.64	34.36	42.32	83.78	83.46	-----	----- Average



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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

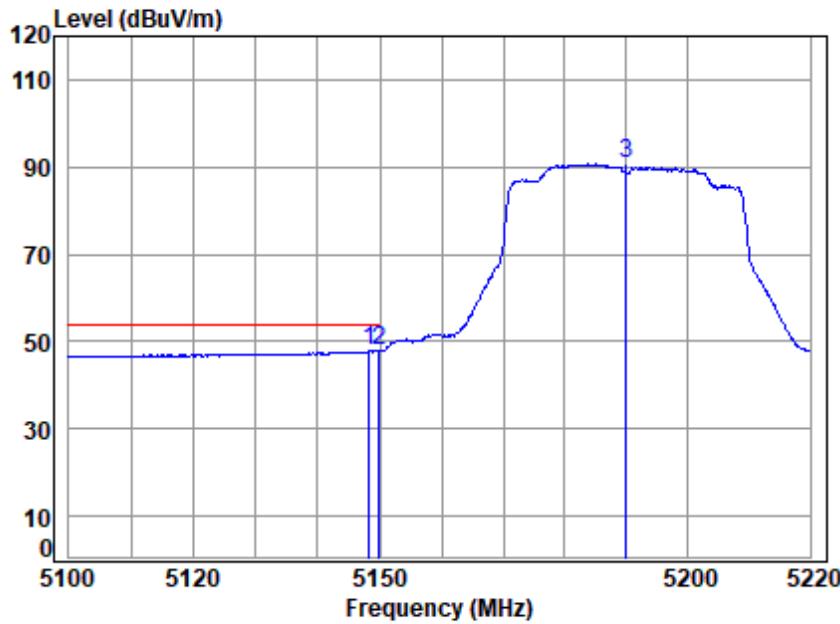
		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.461	7.57	34.32	42.32	61.20	60.77	74.00	-13.23	peak
2	5149.980	7.57	34.32	42.32	62.33	61.90	74.00	-12.10	peak
3 *	5190.000	7.64	34.36	42.32	102.84	102.52	68.20	34.32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



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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

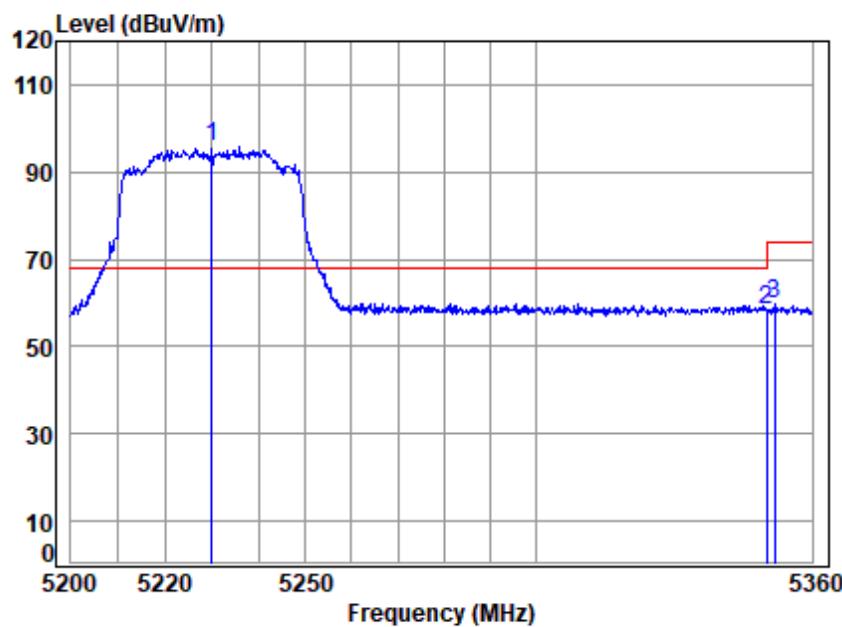
		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.264	7.57	34.32	42.32	48.34	47.91	54.00	-6.09	Average
2	5149.980	7.57	34.32	42.32	48.41	47.98	54.00	-6.02	Average
3	5190.000	7.64	34.36	42.32	90.95	90.63	-----	-----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



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



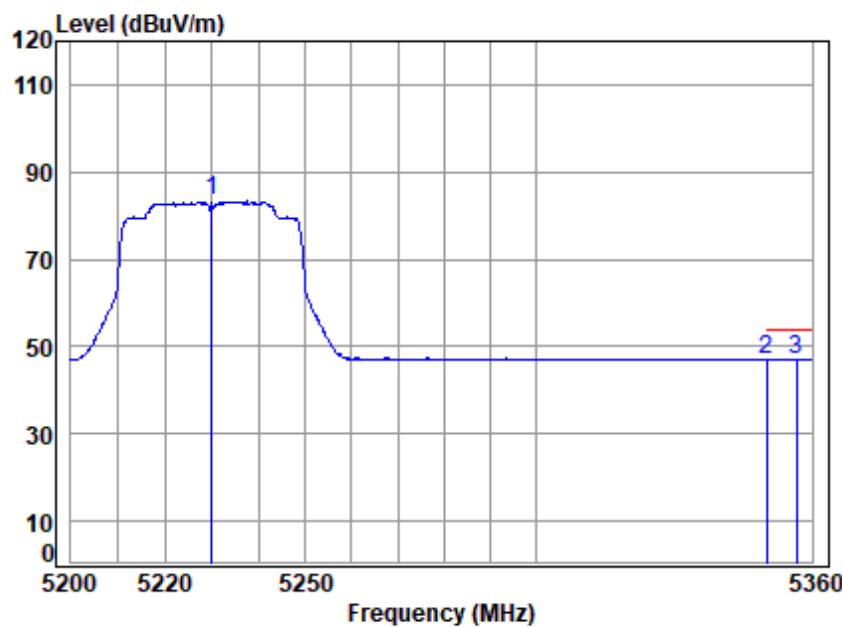
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5230 Band edge
: 5G WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
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

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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

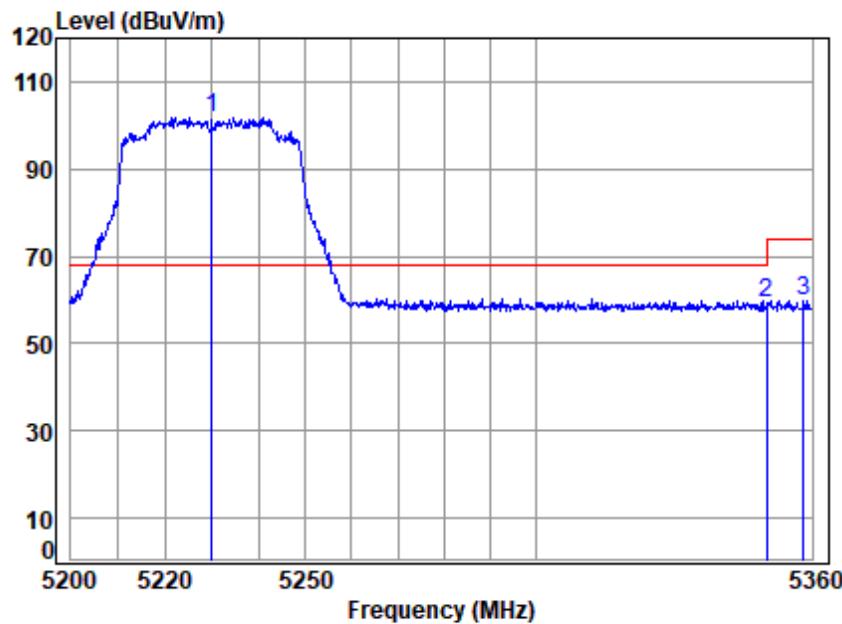
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	7.72	34.39	42.32	83.48	83.27	-----	Average
2	5350.020	7.92	34.48	42.34	47.03	47.09	54.00	-6.91 Average
3	5356.590	7.94	34.49	42.34	47.10	47.19	54.00	-6.81 Average



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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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
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

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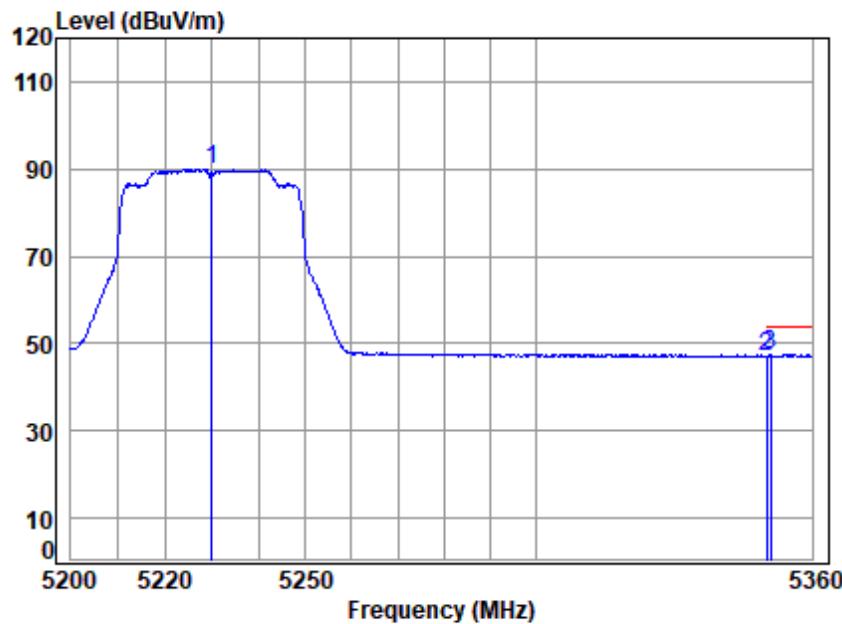
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Shenzhen Branch Inspection & Testing Services Laboratory

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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

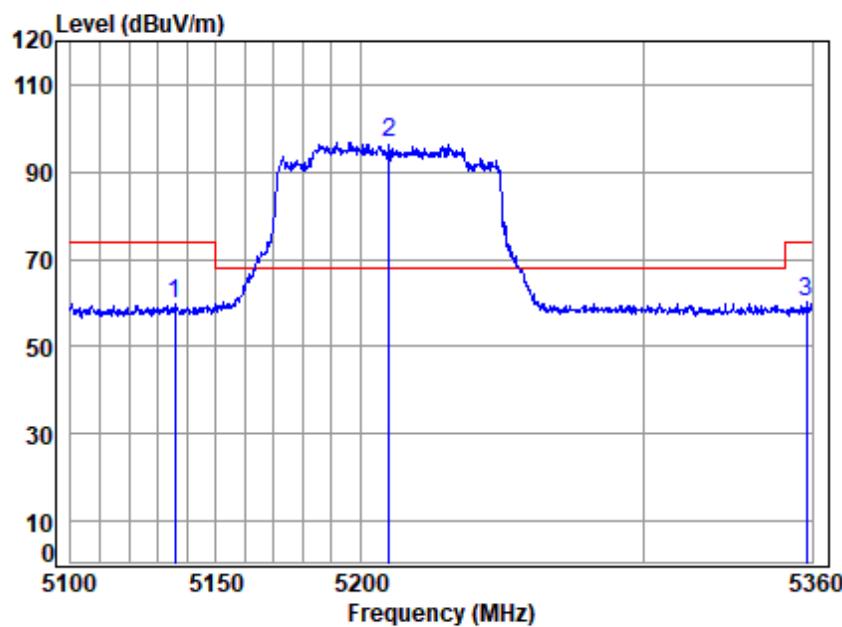
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5230.000	7.72	34.39	42.32	90.23	90.02	-----	Average
2 5350.020	7.92	34.48	42.34	47.11	47.17	54.00	-6.83 Average
3 5350.911	7.93	34.48	42.34	47.26	47.33	54.00	-6.67 Average



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



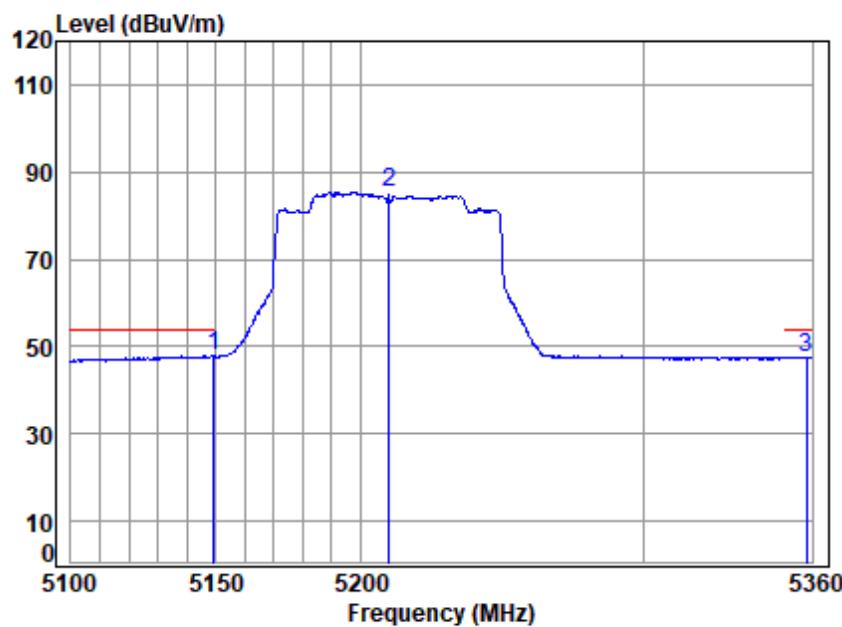
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5210 Band edge
: 5G WIFI 11AX80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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



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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

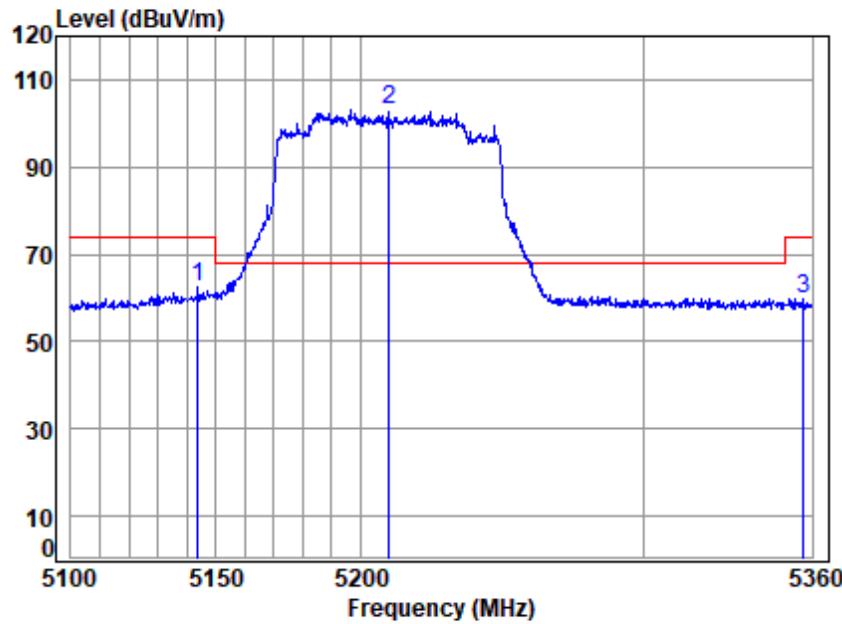
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Over Remark
				dB	dB/m	dB	dBuV	dBuV/m
1 5149.178	7.57	34.32	42.32	48.29	47.86	54.00	-6.14	Average
2 5210.000	7.68	34.37	42.32	85.72	85.45	-----	-----	Average
3 5358.135	7.94	34.49	42.34	47.52	47.61	54.00	-6.39	Average



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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

Mode : 5210 Ba

: 5G WIFI 11AX80

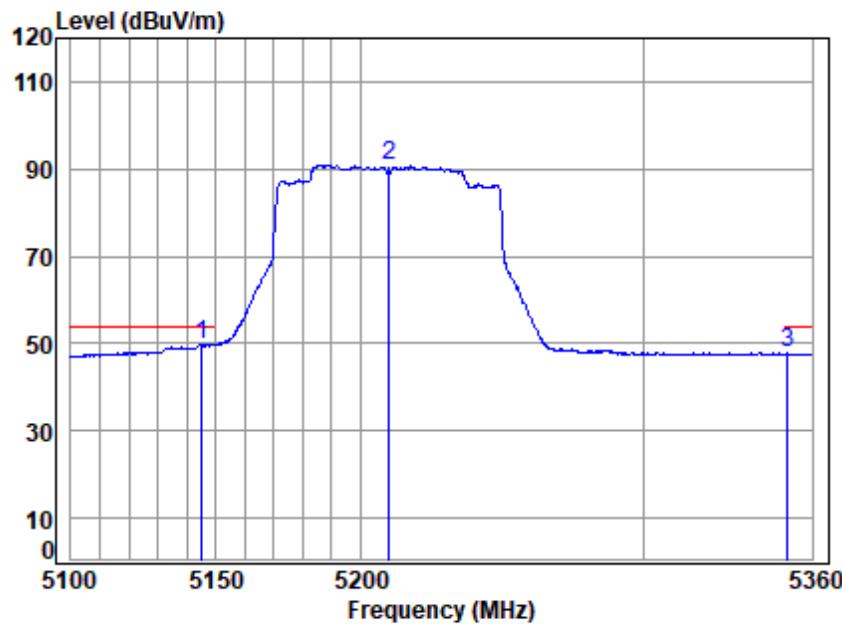
Cable Ant

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5143.805	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

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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

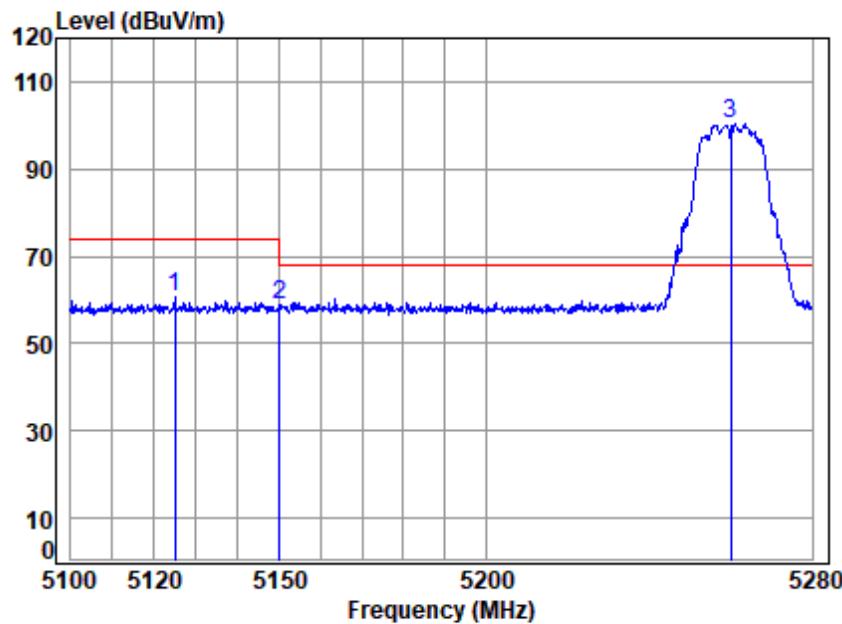
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.083	7.56	34.32	42.32	50.24	49.80	54.00	-4.20 Average
2	5210.000	7.68	34.37	42.32	91.11	90.84	-----	----- Average
3	5351.212	7.93	34.48	42.34	47.65	47.72	54.00	-6.28 Average



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



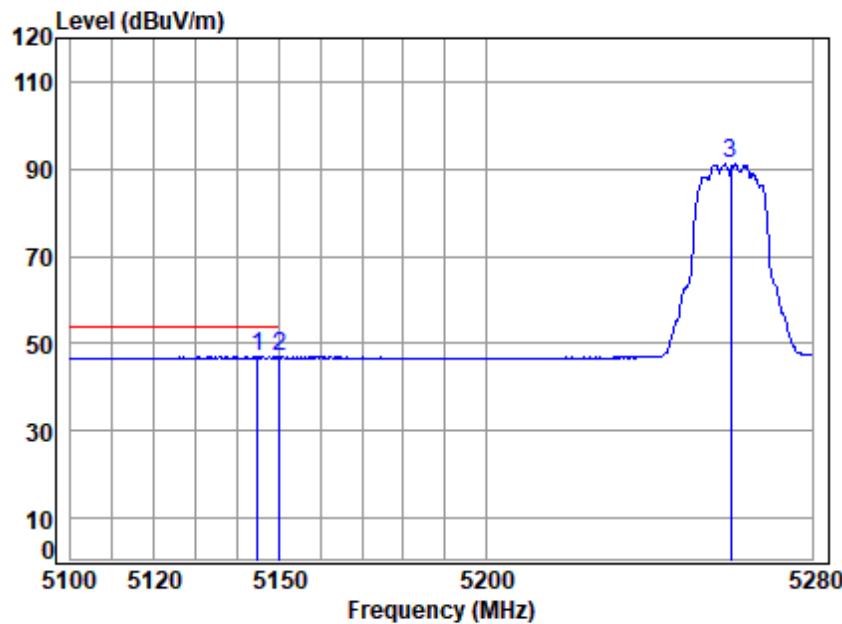
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5260 Band edge
: 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over 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



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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

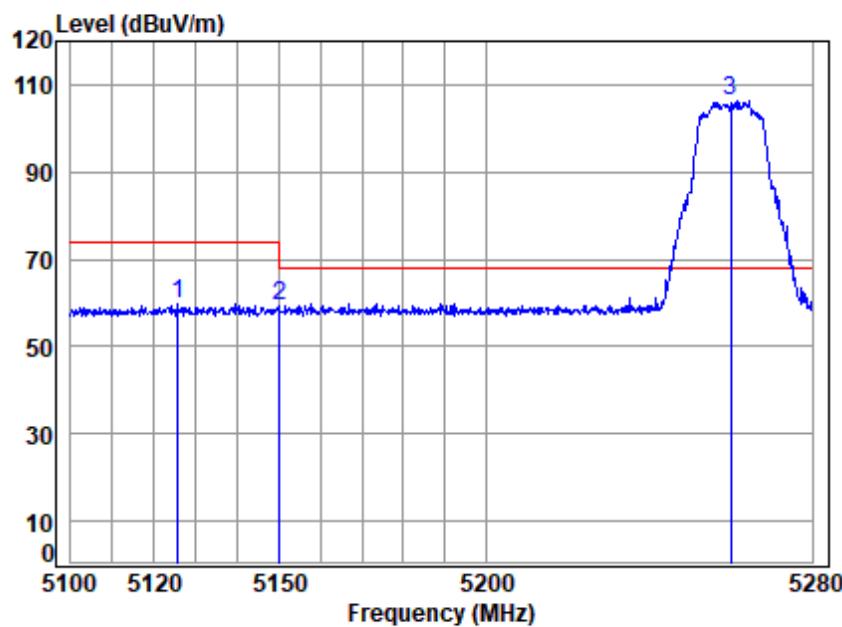
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	5144.773	7.56	34.32	42.32	47.31	46.87	54.00 -7.13 Average
2	5149.980	7.57	34.32	42.32	47.24	46.81	54.00 -7.19 Average
3	5260.000	7.77	34.41	42.33	91.24	91.09	----- ----- Average



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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

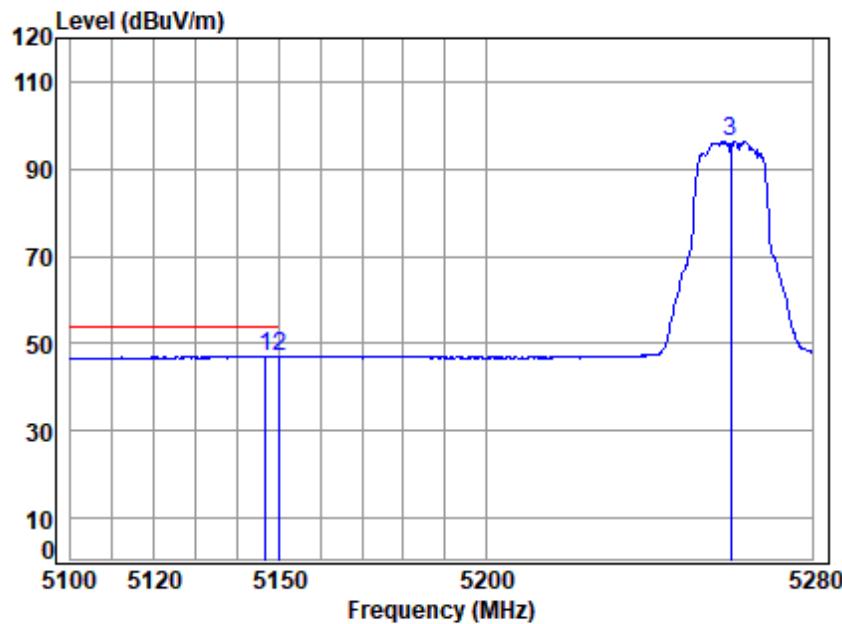
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5125.537	7.53	34.30	42.31	60.21	59.73	74.00	-14.27 peak
2	5149.980	7.57	34.32	42.32	59.62	59.19	74.00	-14.81 peak
3 *	5260.000	7.77	34.41	42.33	106.32	106.17	68.20	37.97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



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



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

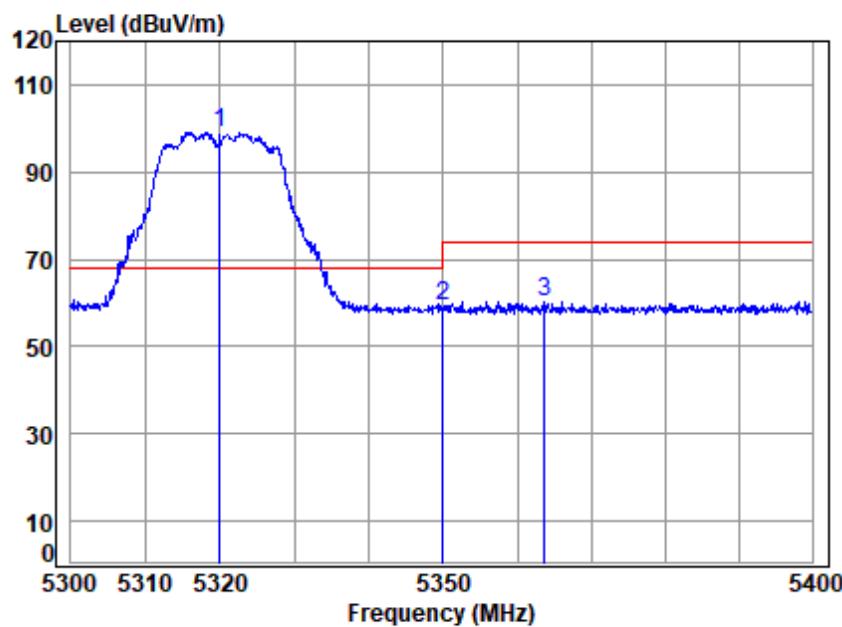
Mode : 5260 Band edge
: 5G WIFI 11A

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

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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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dB	dBuV	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

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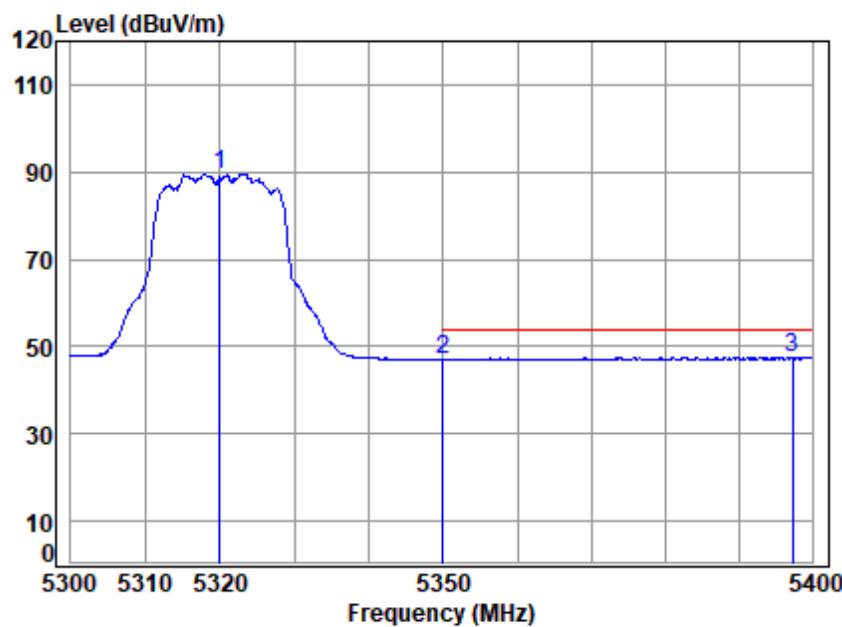
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Test Mode: 23; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



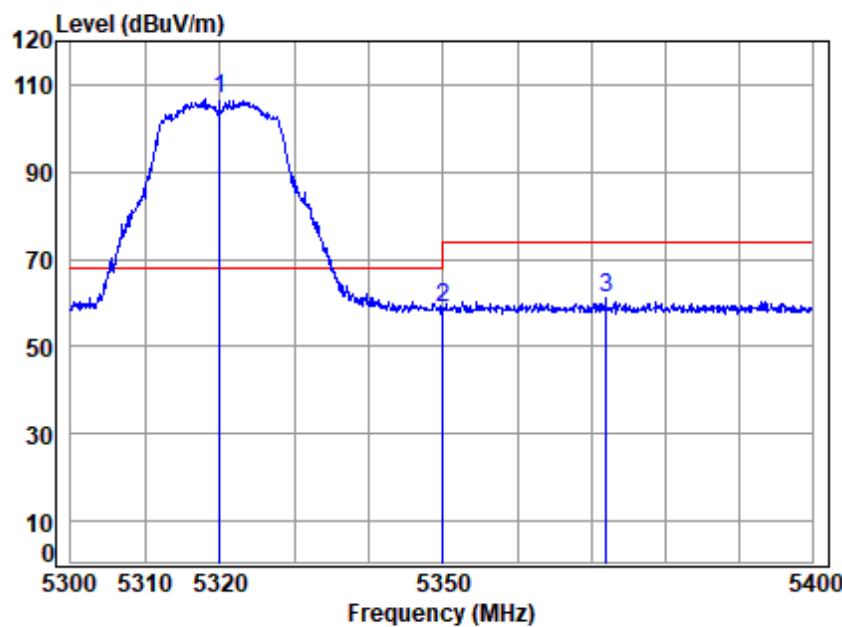
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5320 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over 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

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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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
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

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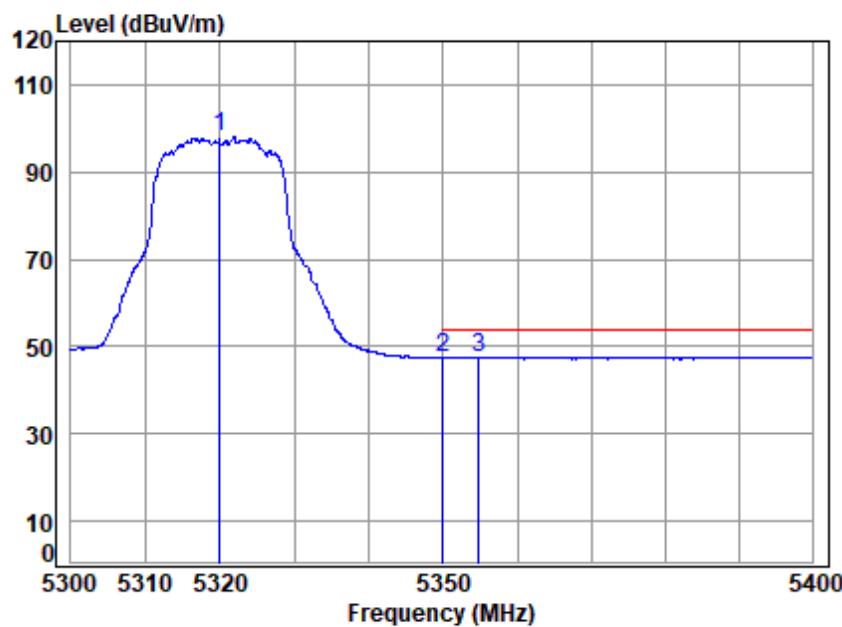
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Test Mode: 23; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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

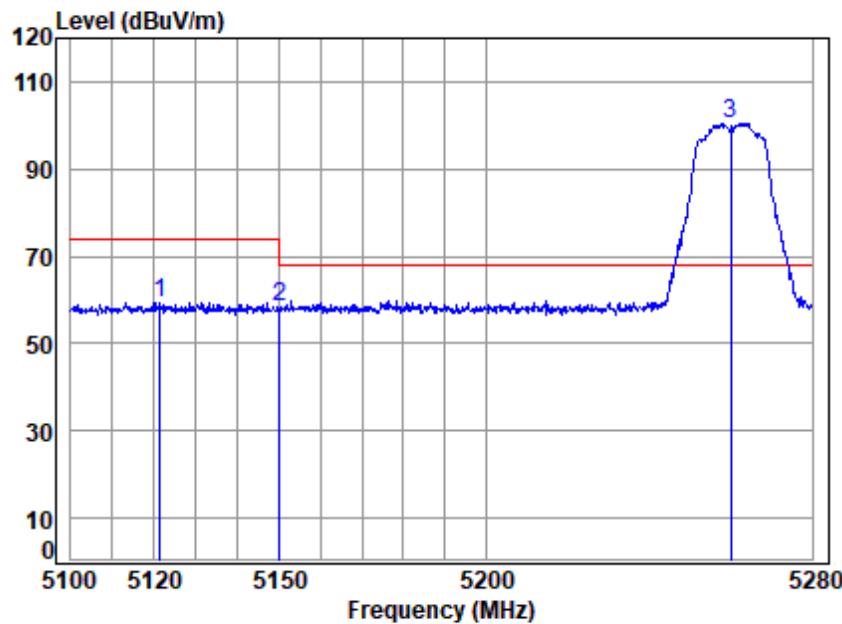
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Remark	
				dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5320.000	7.87	34.46	42.33	98.03	98.03	-----	-----	Average	
2 5350.020	7.92	34.48	42.34	47.43	47.49	54.00	-6.51	Average	
3 5354.769	7.93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

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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

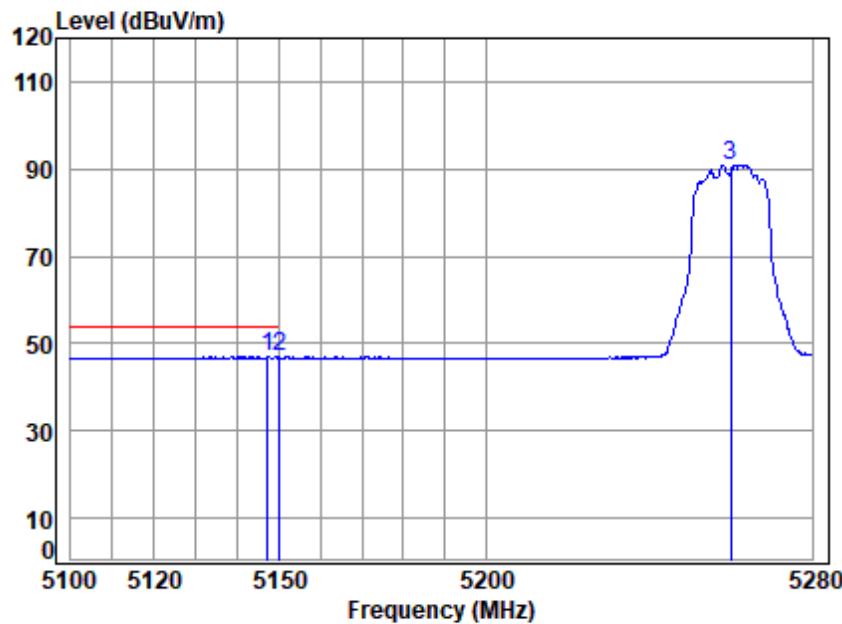
		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5121.272	7.52	34.30	42.31	60.00	59.51	74.00	-14.49	peak
2	5149.980	7.57	34.32	42.32	58.76	58.33	74.00	-15.67	peak
3 *	5260.000	7.77	34.41	42.33	100.71	100.56	68.20	32.36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



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



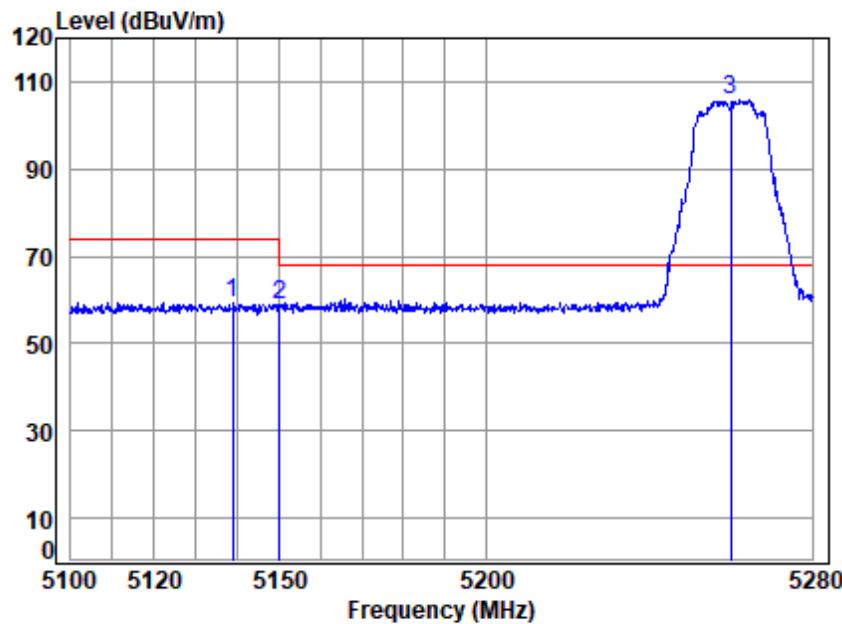
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5260 Band edge
: 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
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



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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

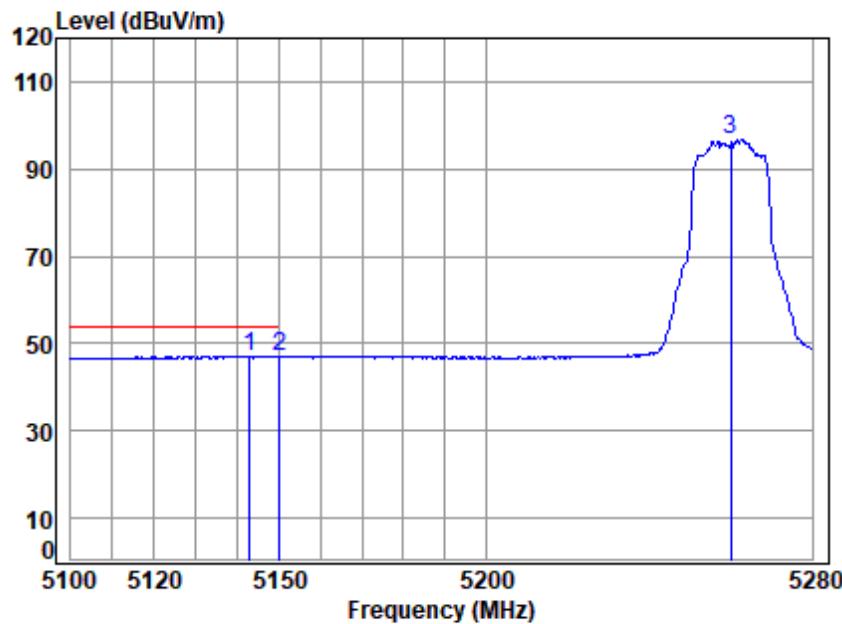
		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5138.888	7.55	34.31	42.32	59.94	59.48	74.00	-14.52	peak
2	5149.980	7.57	34.32	42.32	59.24	58.81	74.00	-15.19	peak
3 *	5260.000	7.77	34.41	42.33	106.13	105.98	68.20	37.78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



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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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
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

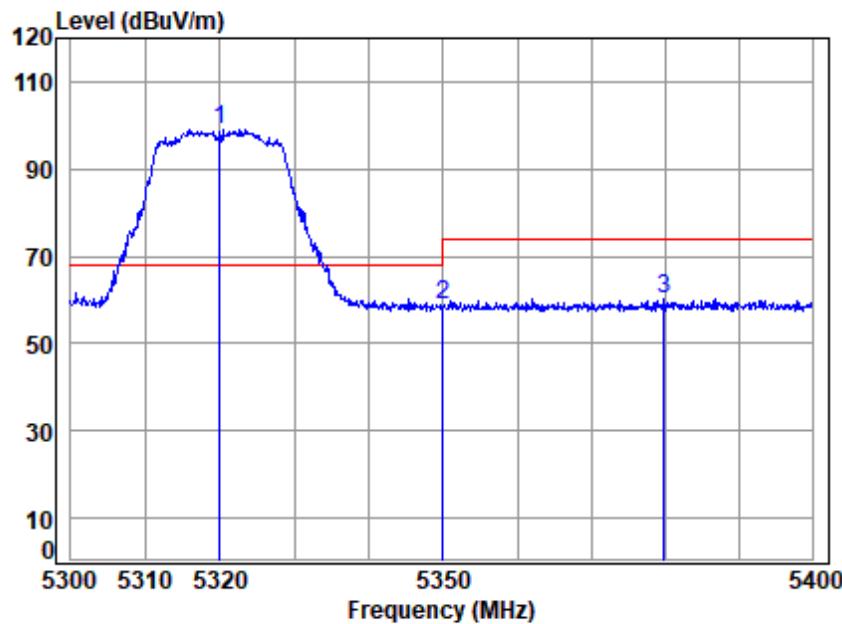


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Test Mode: 23; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



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

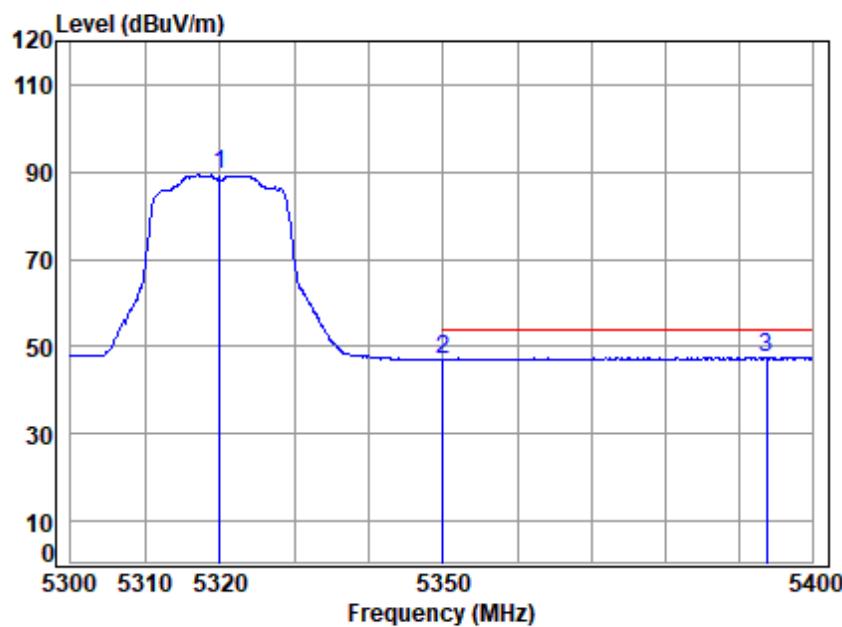
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dB	dBuV	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	99.16	99.16	68.20	30.96 peak
2 5350.020	7.92	34.48	42.34	58.65	58.71	74.00	-15.29 peak
3 5379.850	7.98	34.51	42.34	60.15	60.30	74.00	-13.70 peak

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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

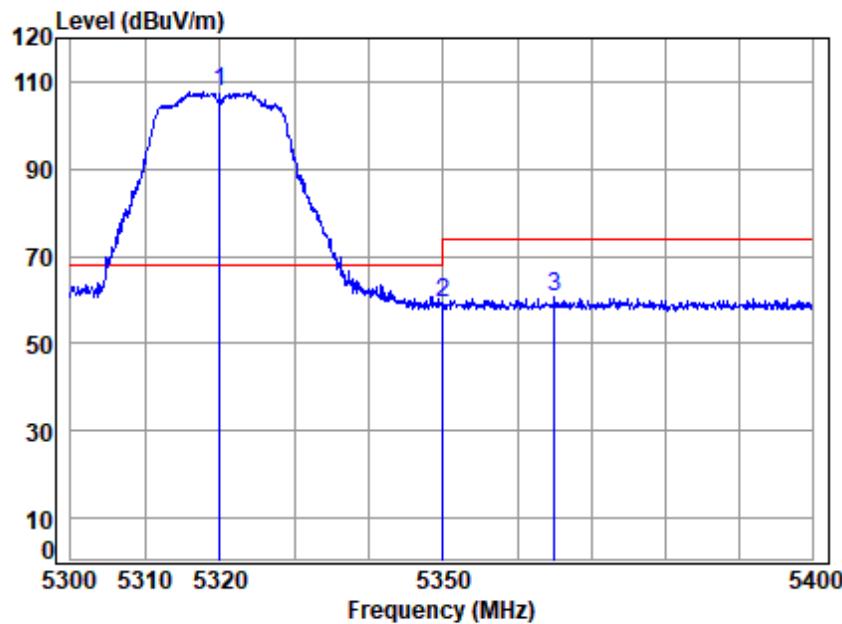
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit	Over	Remark	
				Level	Level	Line		
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 5320.000	7.87	34.46	42.33	89.35	89.35	-----	-----	Average
2 5350.020	7.92	34.48	42.34	47.08	47.14	54.00	-6.86	Average
3 5393.846	8.00	34.52	42.34	47.22	47.40	54.00	-6.60	Average

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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

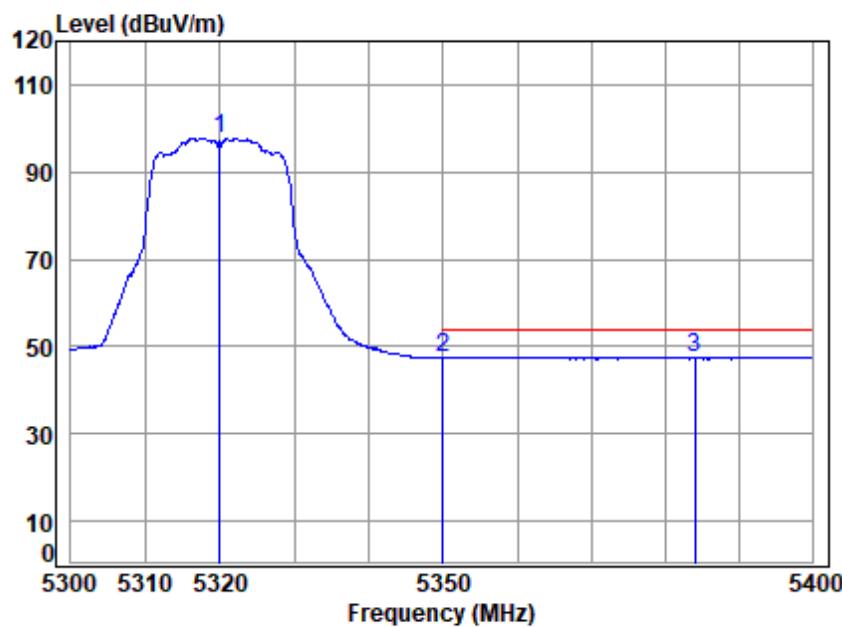
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	107.63	107.63	68.20	39.43	peak
2 5350.020	7.92	34.48	42.34	59.23	59.29	74.00	-14.71	peak
3 5365.088	7.95	34.50	42.34	60.56	60.67	74.00	-13.33	peak

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Shenzhen Branch Inspection & Testing Services LaboratoryNo.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: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

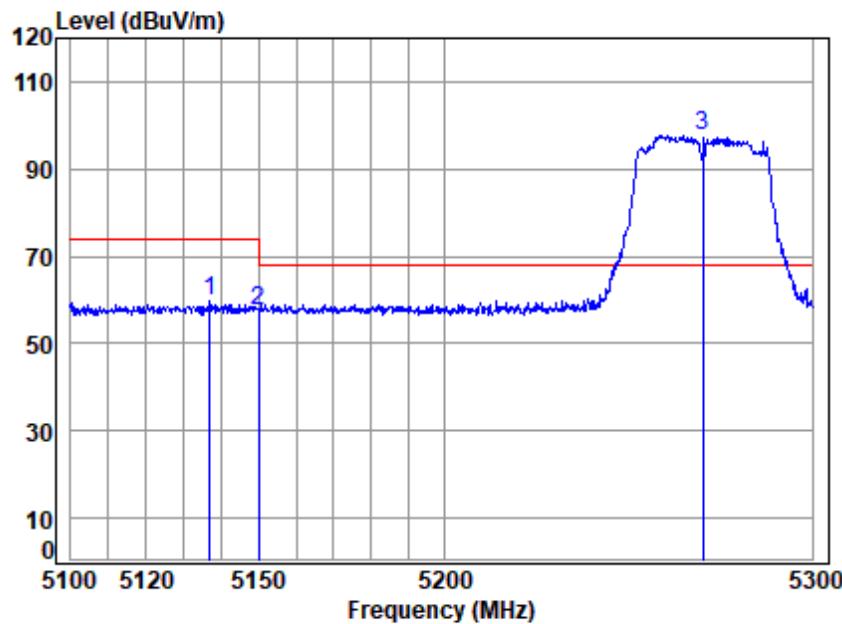
Mode : 5320 Band edge
: 5G WIFI 11N20

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

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



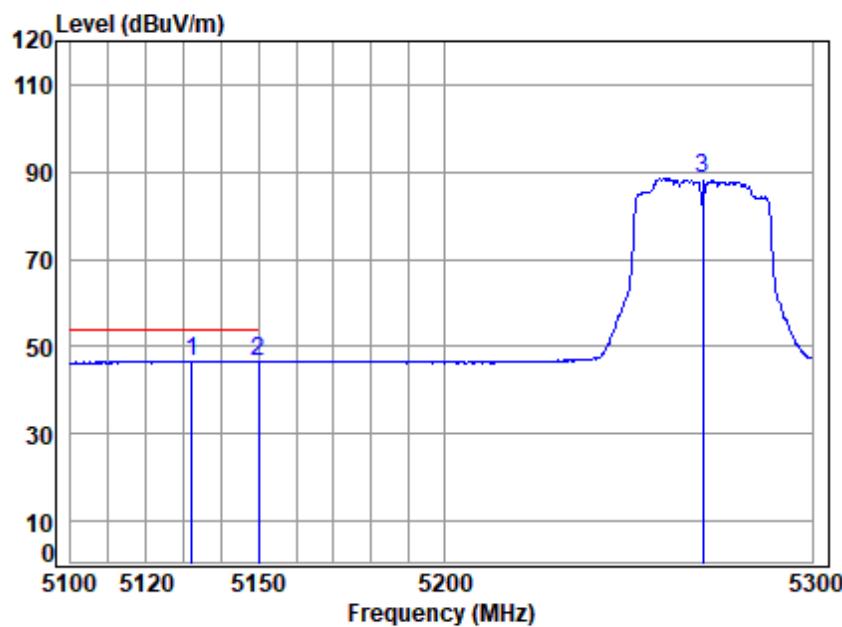
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5270 Band edge
: 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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



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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

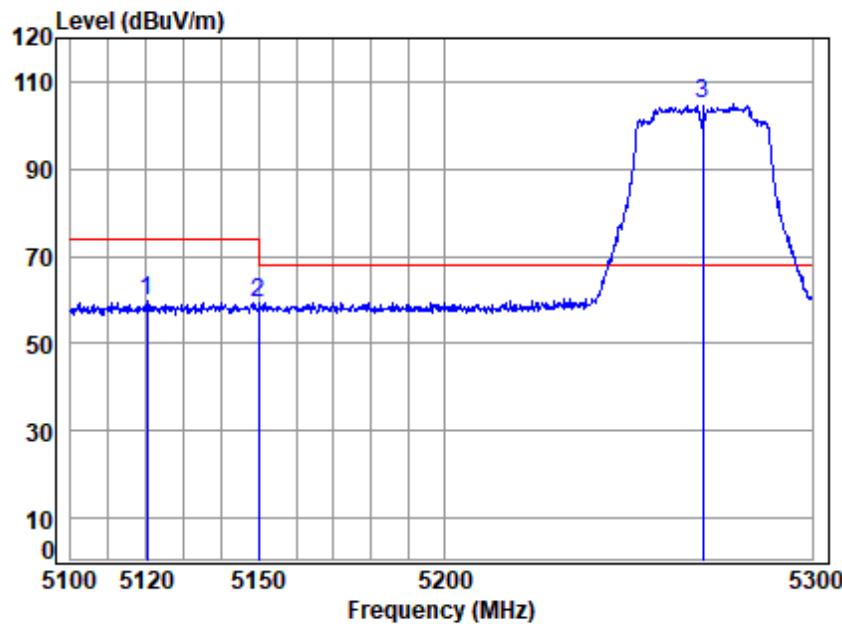
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Remark
				dB	dB/m	dB	dBuV	dBuV/m
1 5132.275	7.54	34.31	42.31	47.13	46.67	54.00	-7.33	Average
2 5149.980	7.57	34.32	42.32	47.00	46.57	54.00	-7.43	Average
3 5270.000	7.79	34.42	42.33	88.61	88.49	-----	-----	Average

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



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

Mode : 5270 Band edge

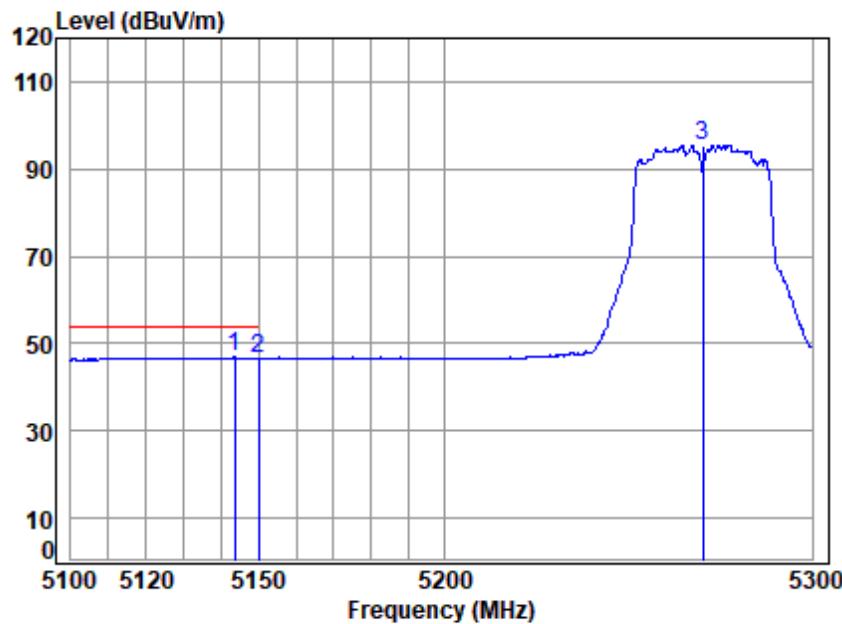
	Cable Freq	Loss dB	Ant Factor	Preamp Factor	Read Level dB	Limit Level dBuV	Line Level dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB	
1	5120.247	7.52	34.30	42.31	60.07	59.58	74.00	-14.42	peak	
2	5149.980	7.57	34.32	42.32	59.56	59.13	74.00	-14.87	peak	
3 *	5270.000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



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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

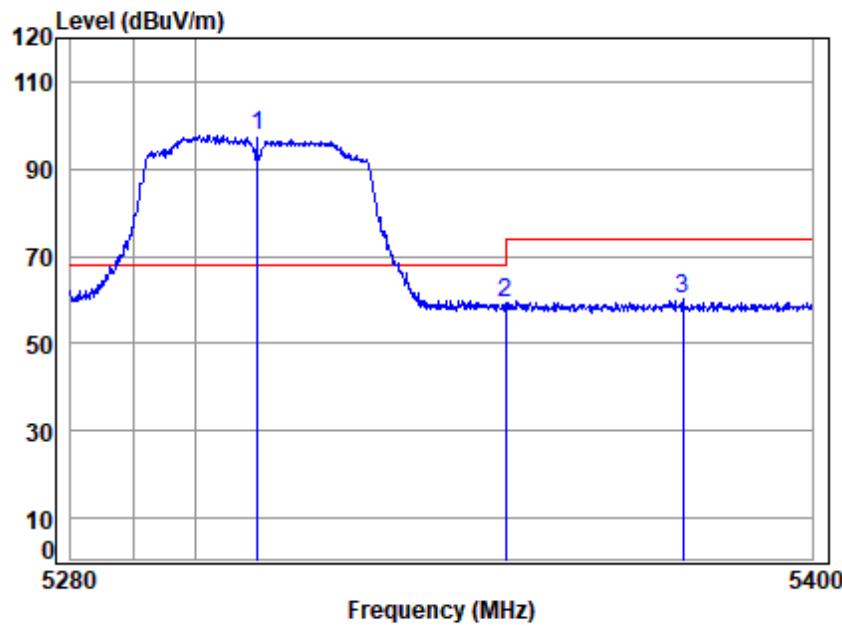
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5143.540	7.56	34.32	42.32	47.33	46.89	54.00 -7.11 Average
2	5149.980	7.57	34.32	42.32	47.17	46.74	54.00 -7.26 Average
3	5270.000	7.79	34.42	42.33	95.58	95.46	----- ----- Average



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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

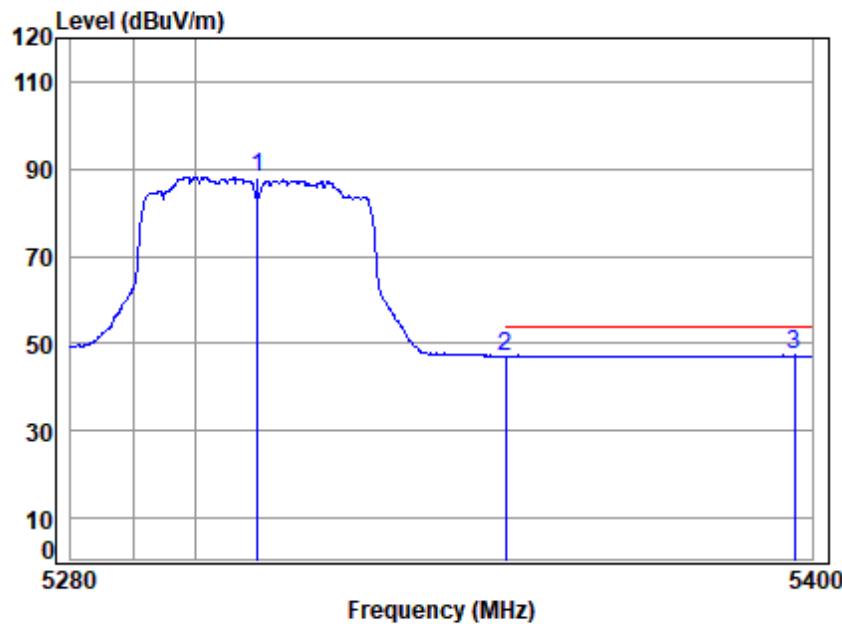
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	97.75	97.73	68.20	29.53	peak
2 5350.020	7.92	34.48	42.34	59.37	59.43	74.00	-14.57	peak
3 5378.926	7.97	34.51	42.34	59.96	60.10	74.00	-13.90	peak

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



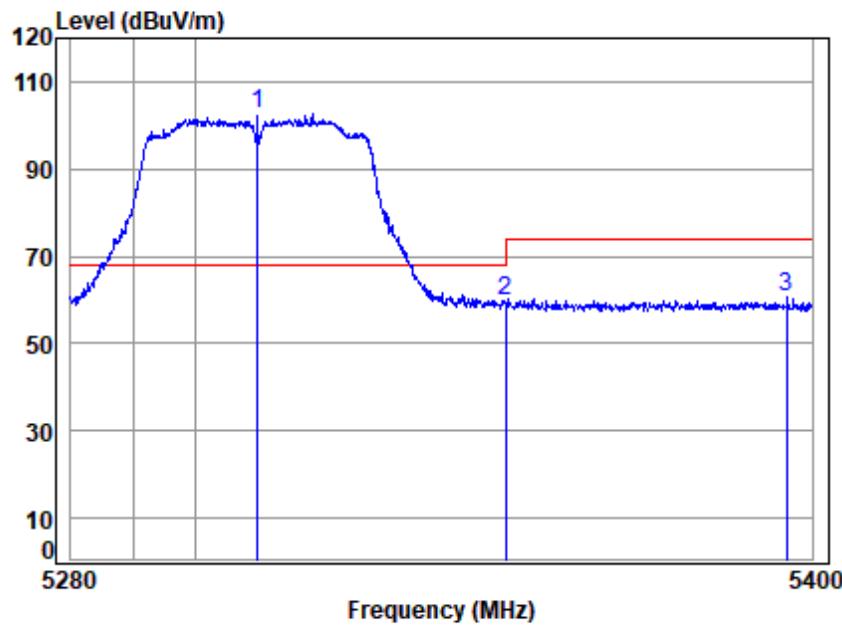
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5310 Band edge
: 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
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



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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

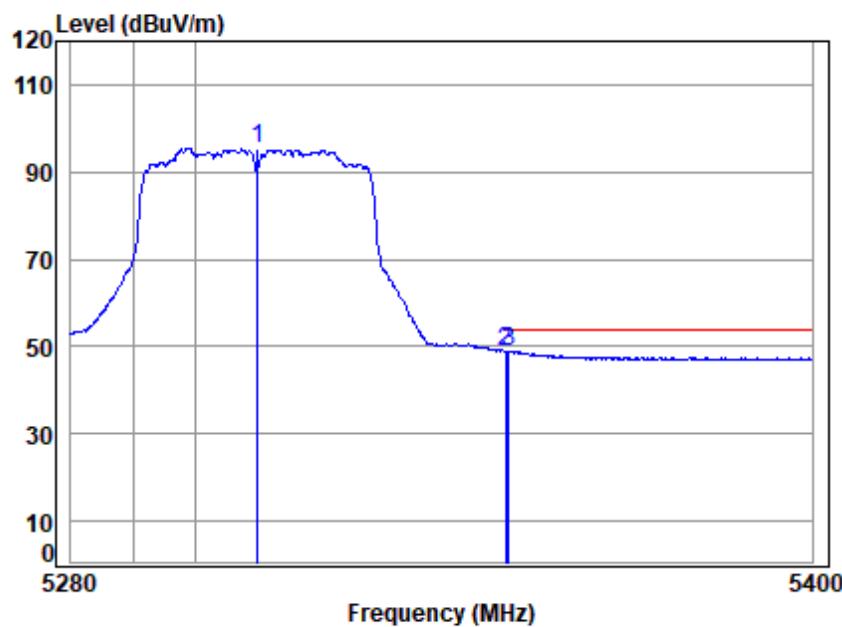
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	102.56	102.54	68.20	34.34 peak
2 5350.020	7.92	34.48	42.34	59.50	59.56	74.00	-14.44 peak
3 5395.875	8.00	34.52	42.34	60.44	60.62	74.00	-13.38 peak



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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

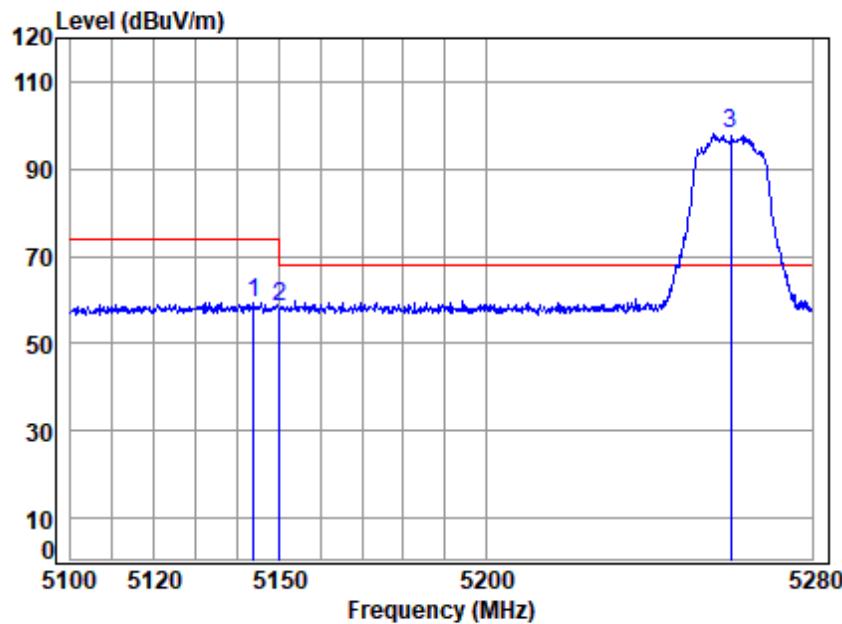
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Limit	Over Limit	Remark
				dB	dB/m	dB	dBuV	dBuV/m
1 5310.000	7.86	34.45	42.33	95.39	95.37	-----	-----	Average
2 5350.020	7.92	34.48	42.34	48.95	49.01	54.00	-4.99	Average
3 5350.594	7.93	34.48	42.34	48.67	48.74	54.00	-5.26	Average



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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:802.11ac; Bandwidth:20MHz; Channel:Low



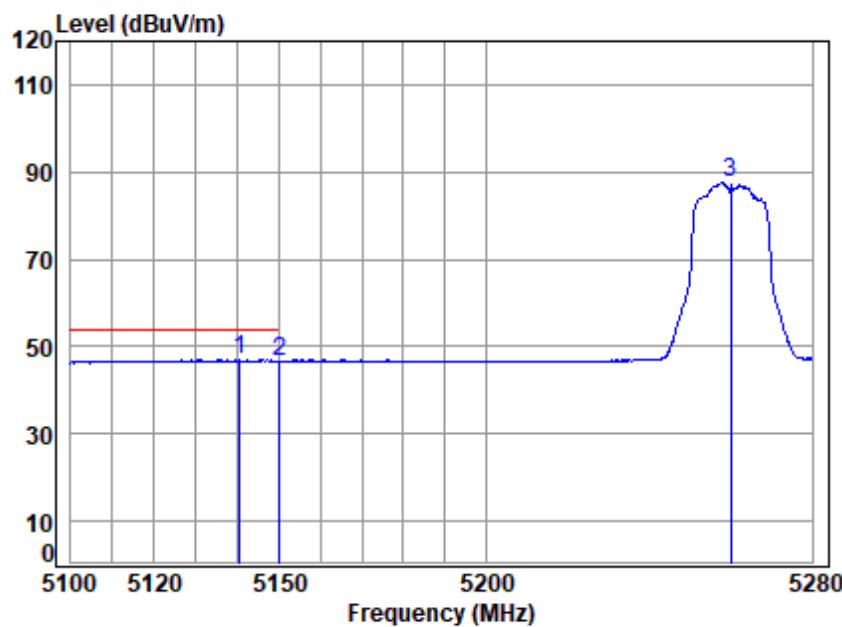
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5260 Band edge
: 5G WIFI 11AC20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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	

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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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	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

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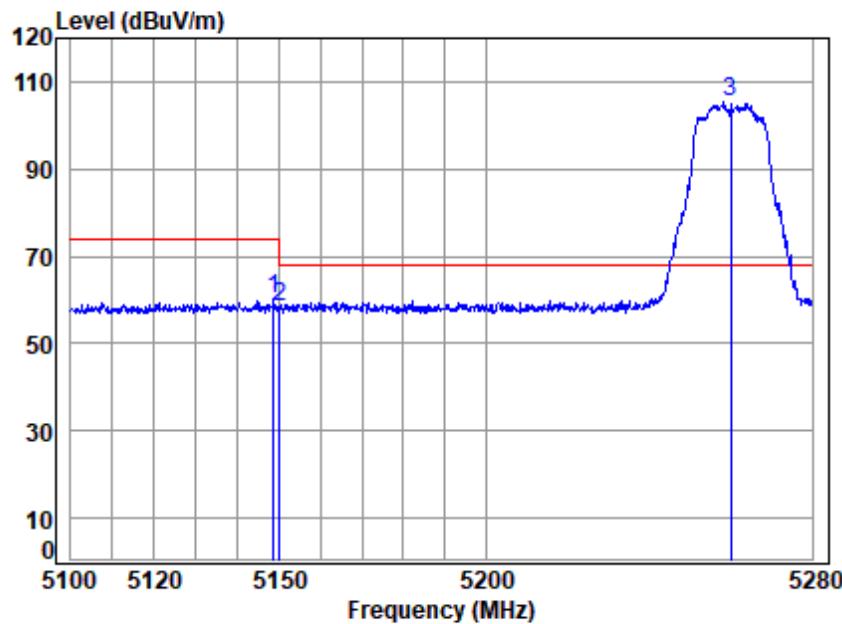
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Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

Mode : 5260 Band edge
: 5G WIFI 11AC20

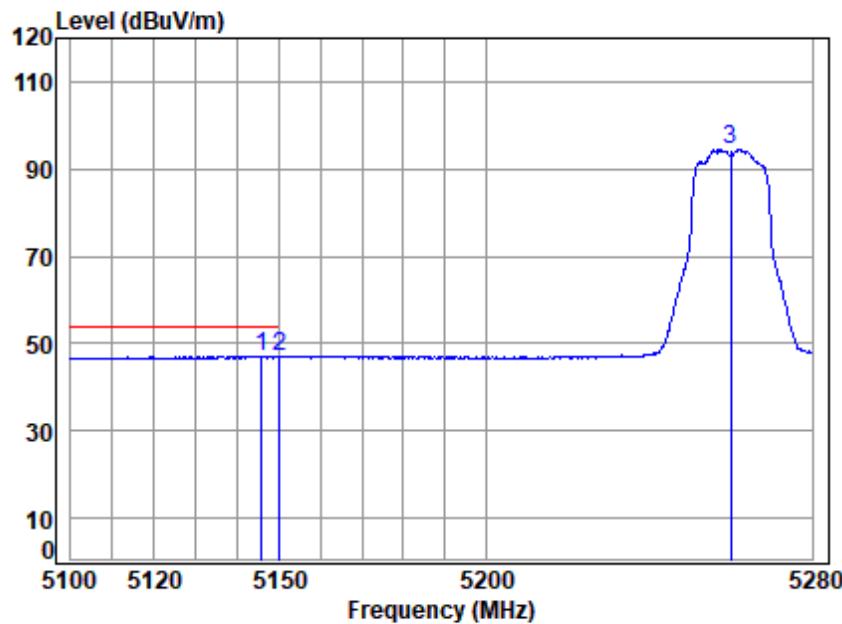
		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.701	7.57	34.32	42.32	60.63	60.20	74.00	-13.80	peak
2	5149.980	7.57	34.32	42.32	58.65	58.22	74.00	-15.78	peak
3 *	5260.000	7.77	34.41	42.33	105.36	105.21	68.20	37.01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



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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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Remark
				dB	dB/m	dB	dBuV	dBuV/m
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

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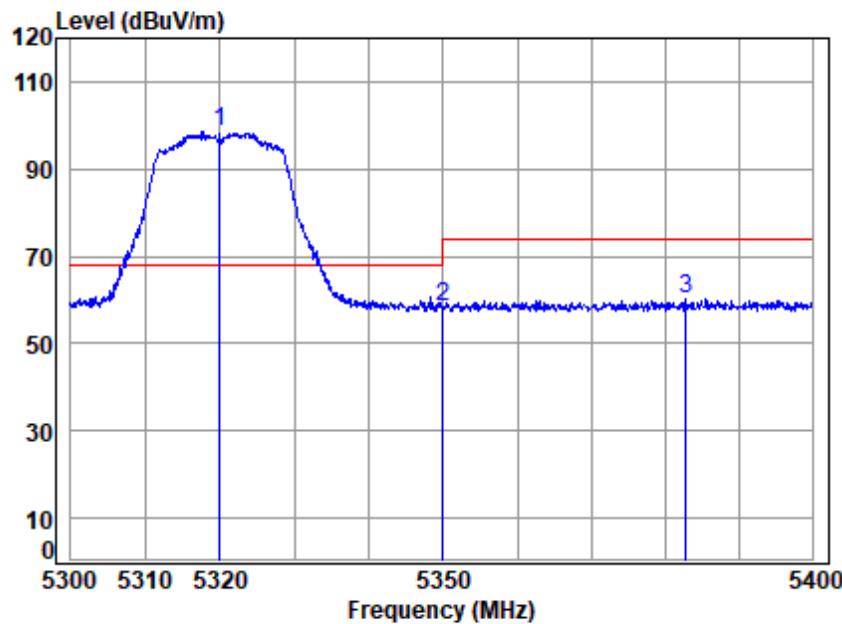
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Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



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

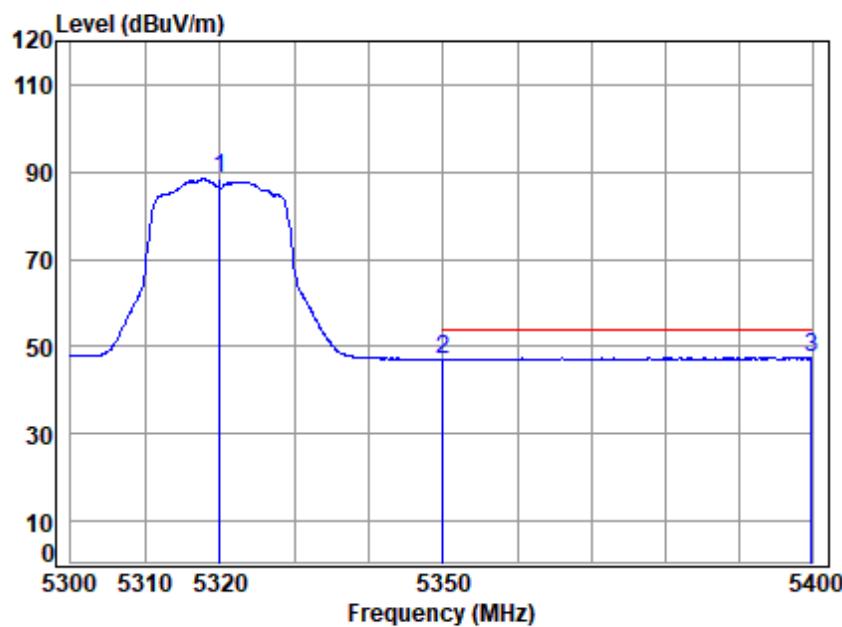
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Over Remark
				dB	dB/m	dB	dBuV	dBuV/m
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	98.62	98.62	68.20	30.42	peak
2 5350.020	7.92	34.48	42.34	58.38	58.44	74.00	-15.56	peak
3 5382.868	7.98	34.51	42.34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



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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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Remark	
				dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	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	

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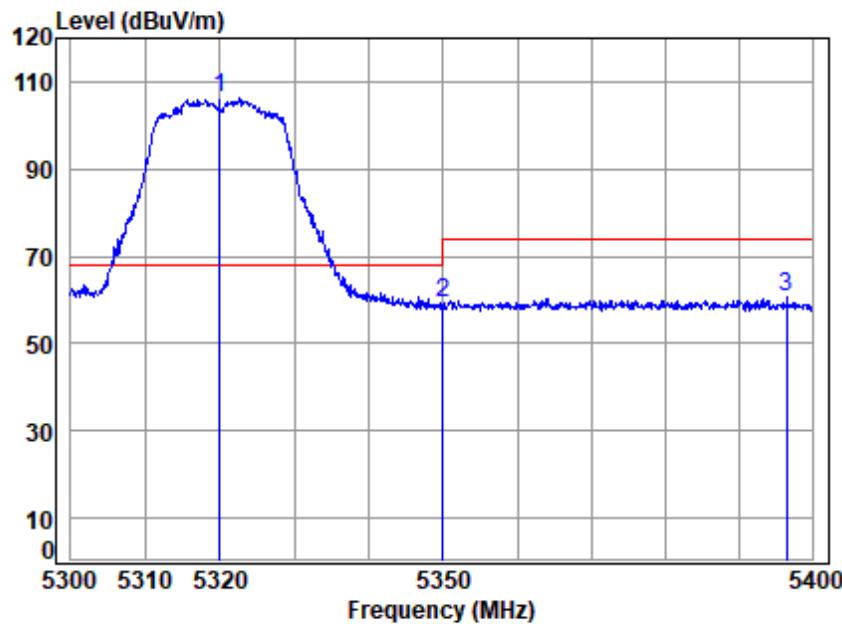
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Test Mode: 23; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

Mode : 5320 Band edge
: 5G WIFI 11AC20

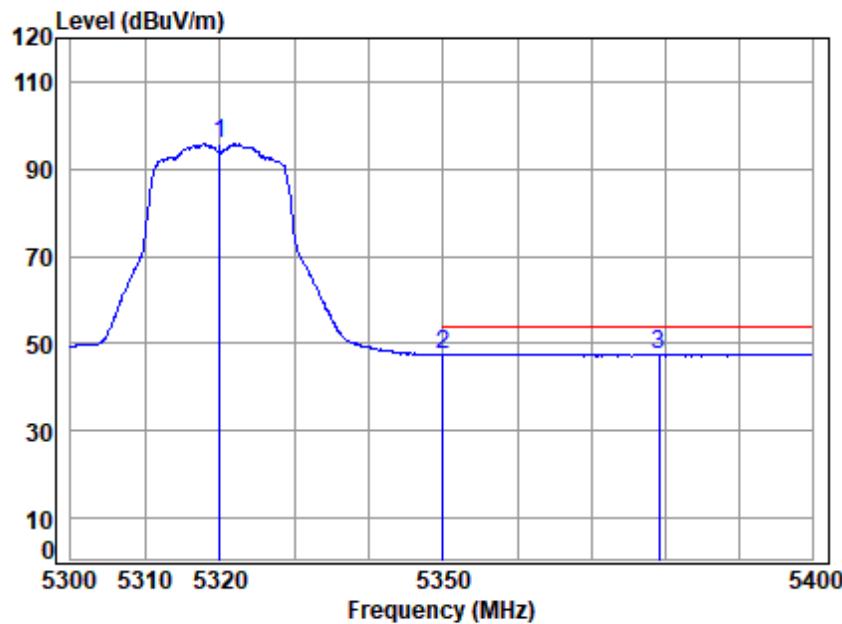
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dB	dBuV	dBuV/m	
1 * 5320.000	7.87	34.46	42.33	106.10	106.10	68.20	37.90 peak
2 5350.020	7.92	34.48	42.34	59.42	59.48	74.00	-14.52 peak
3 5396.569	8.00	34.52	42.34	60.64	60.82	74.00	-13.18 peak



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



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

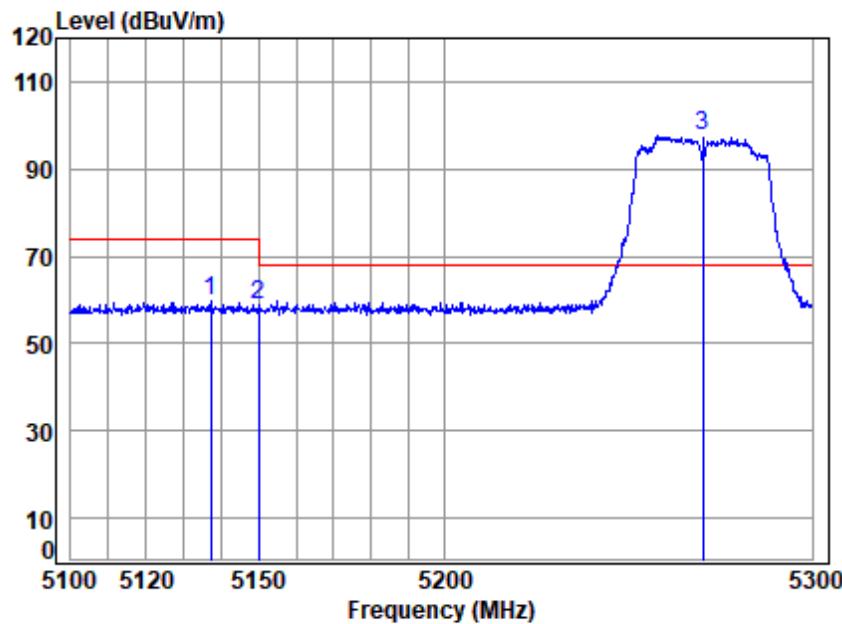
Mode : 5320 Band edge
: 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Over Remark
				dB	dB/m	dB	dBuV	dBuV/m
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

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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

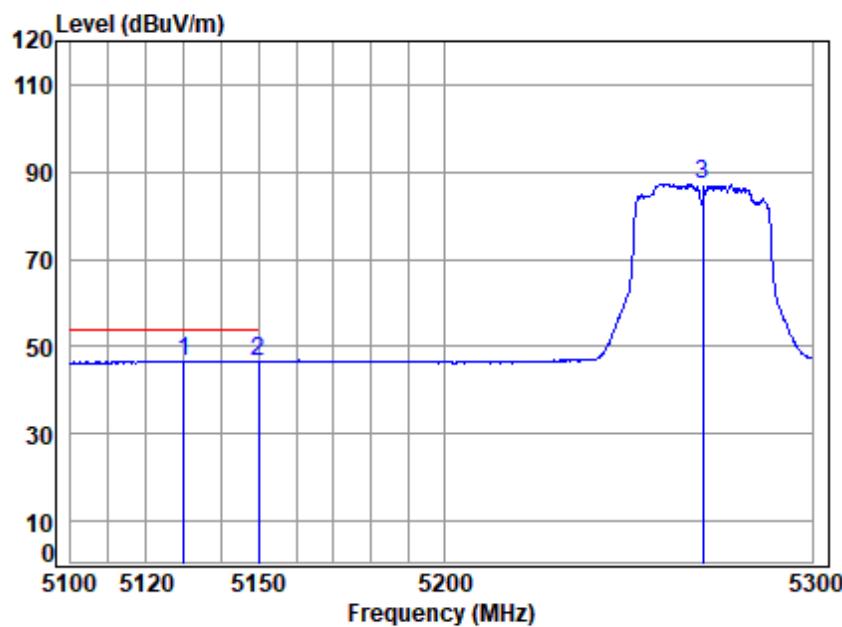
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5137.213	7.55	34.31	42.31	60.43	59.98	74.00	-14.02	peak
2	5149.980	7.57	34.32	42.32	59.32	58.89	74.00	-15.11	peak
3 *	5270.000	7.79	34.42	42.33	97.80	97.68	68.20	29.48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



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



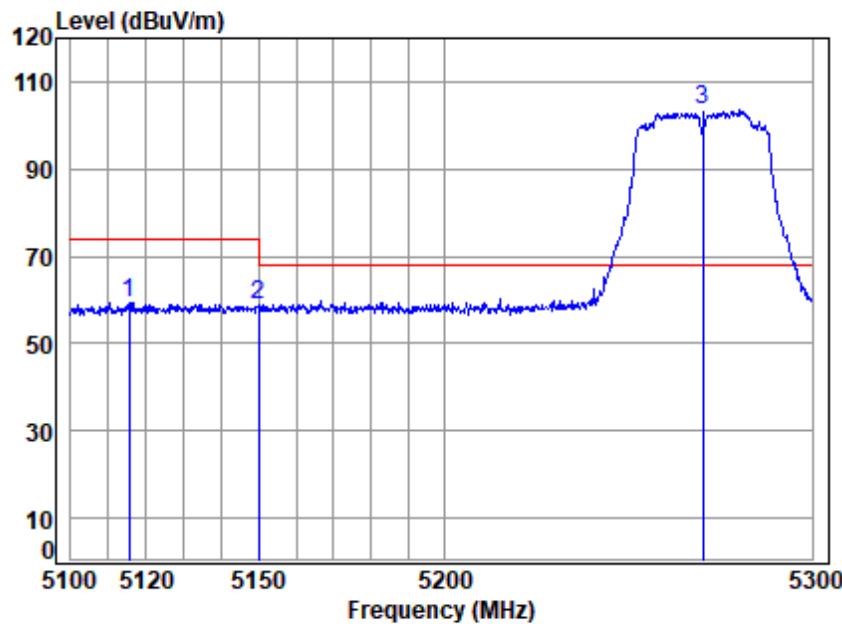
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5270 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
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

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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

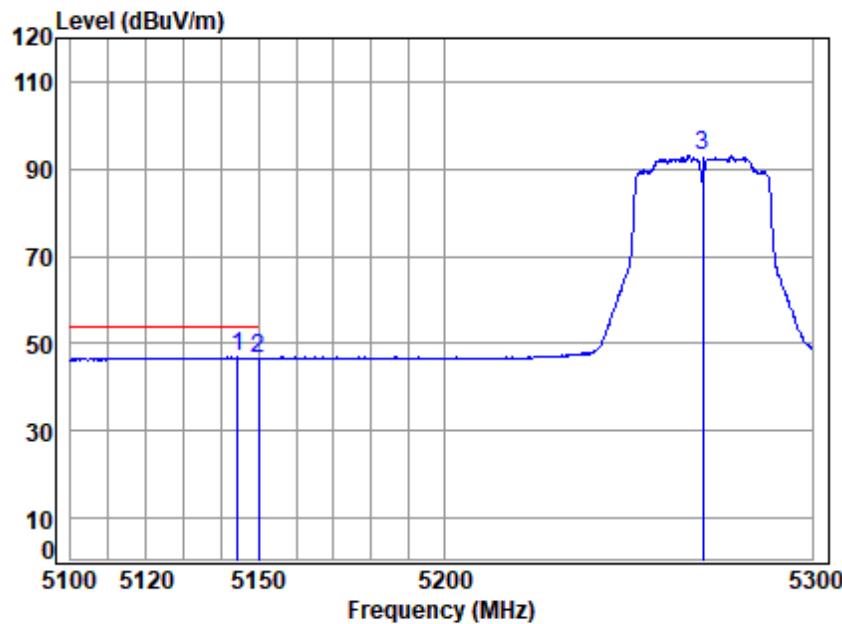
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5115.521	7.51	34.30	42.31	59.84	59.34	74.00	-14.66 peak
2	5149.980	7.57	34.32	42.32	59.09	58.66	74.00	-15.34 peak
3 *	5270.000	7.79	34.42	42.33	103.49	103.37	68.20	35.17 peak



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



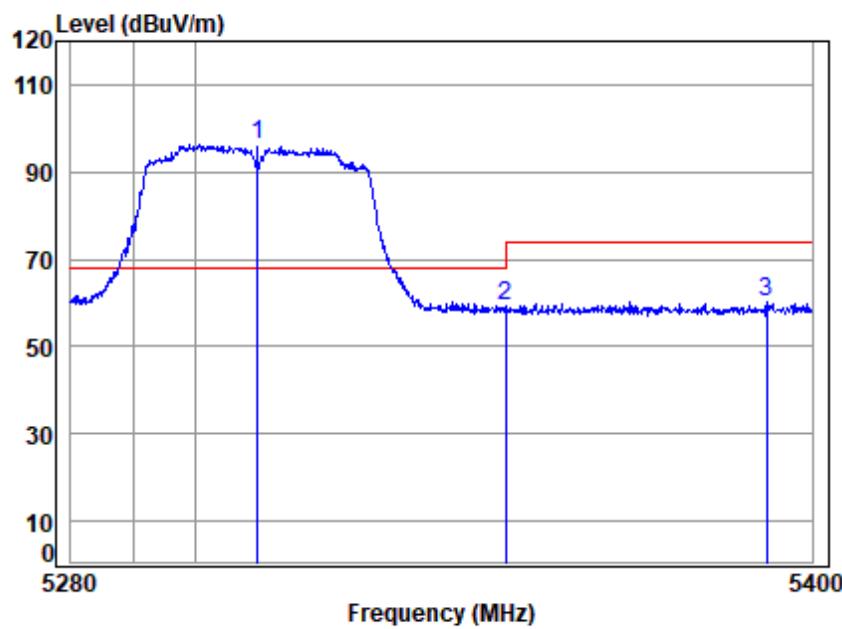
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5270 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
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

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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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Over	Remark
	Loss	Factor	Factor	Level				
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

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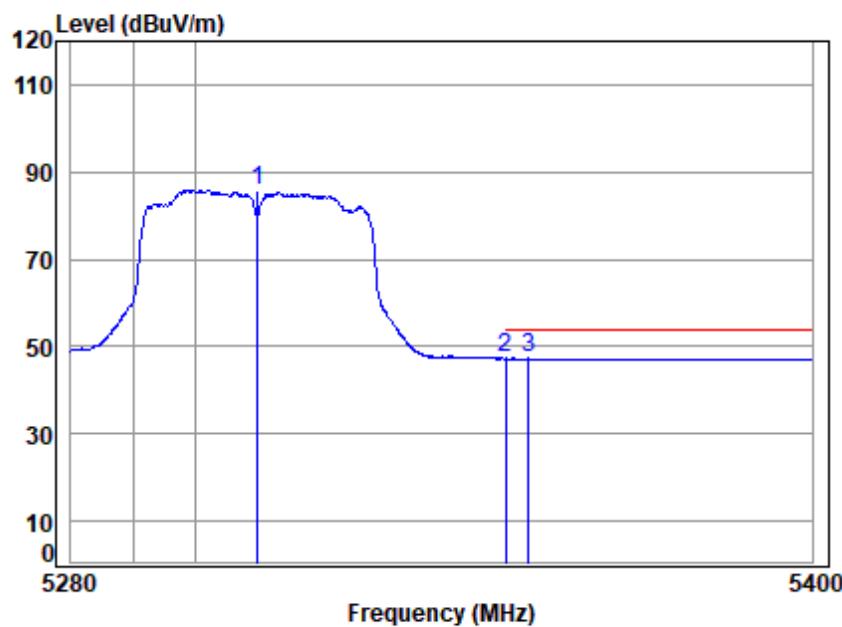
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



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

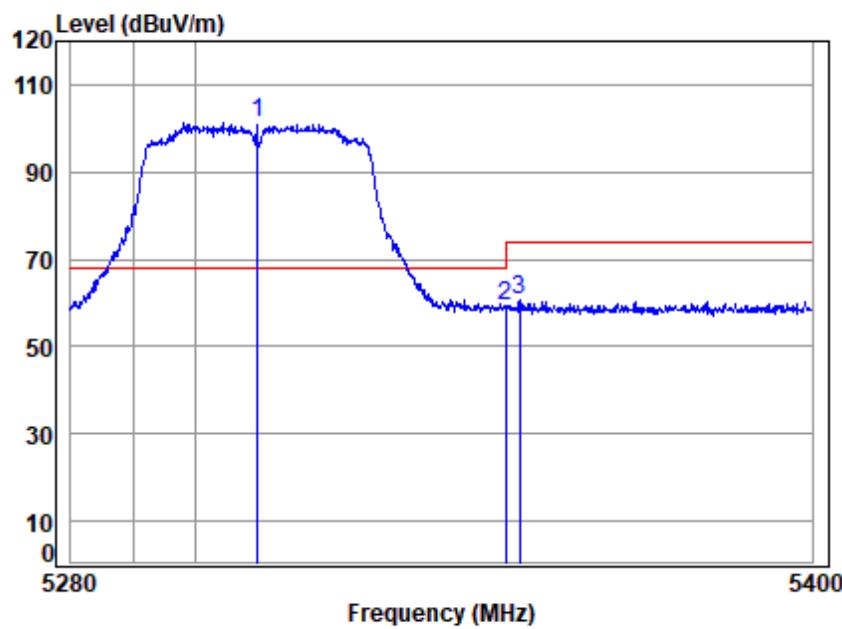
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	5310.000	7.86	34.45	42.33	85.96	85.94	----- Average
2	5350.020	7.92	34.48	42.34	47.21	47.27	54.00 -6.73 Average
3	5353.721	7.93	34.49	42.34	47.18	47.26	54.00 -6.74 Average



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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

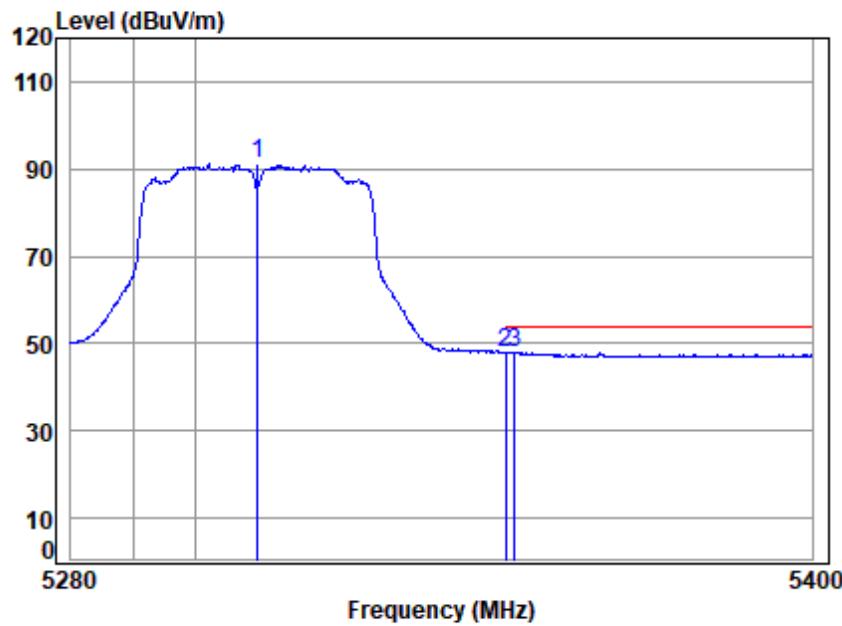
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	101.47	101.45	68.20	33.25 peak
2 5350.020	7.92	34.48	42.34	59.24	59.30	74.00	-14.70 peak
3 5352.277	7.93	34.49	42.34	60.55	60.63	74.00	-13.37 peak



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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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dB	dBuV	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

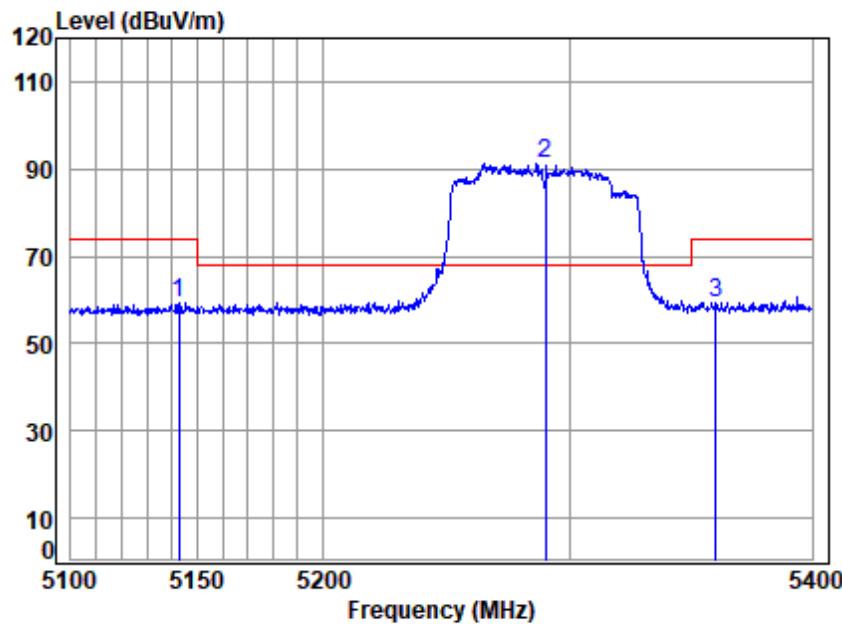


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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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Test Mode: 23; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



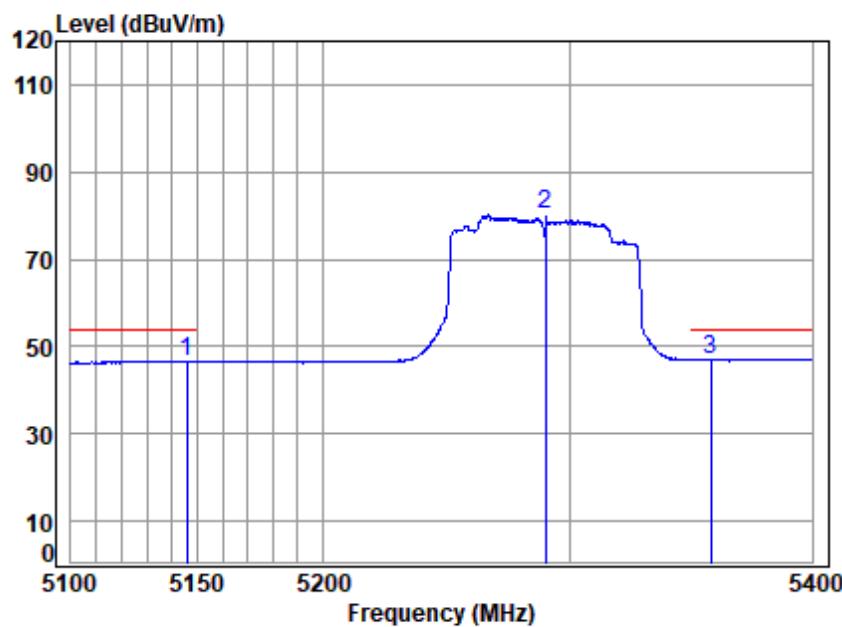
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5290 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over 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

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



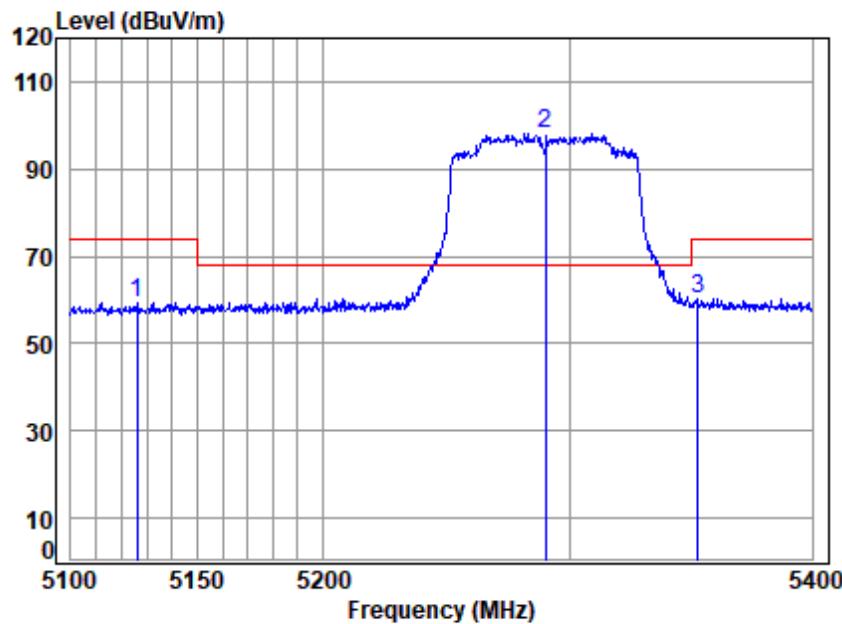
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5290 Band edge
: 5G WIFI 11AC80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	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



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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

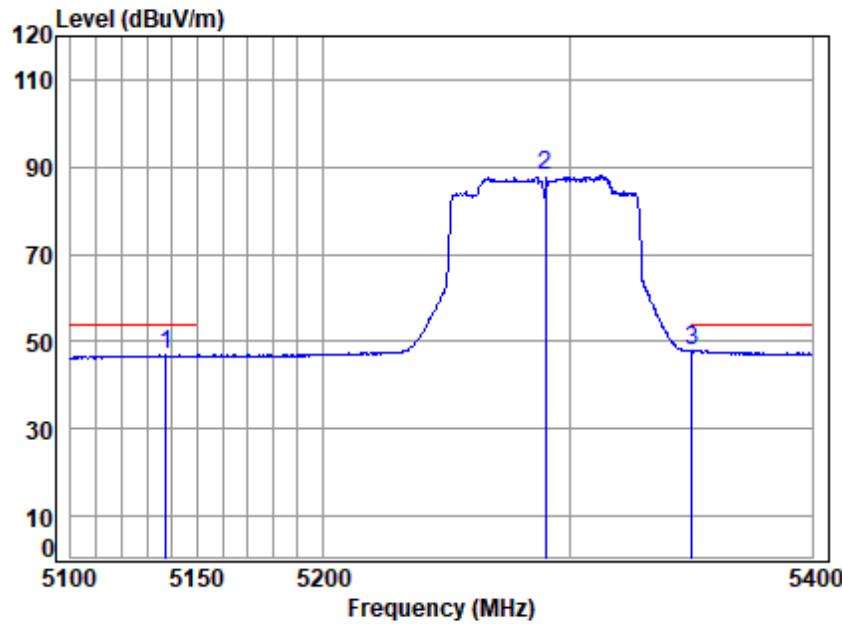
Mode : 5290 Band edge
: 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over 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

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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

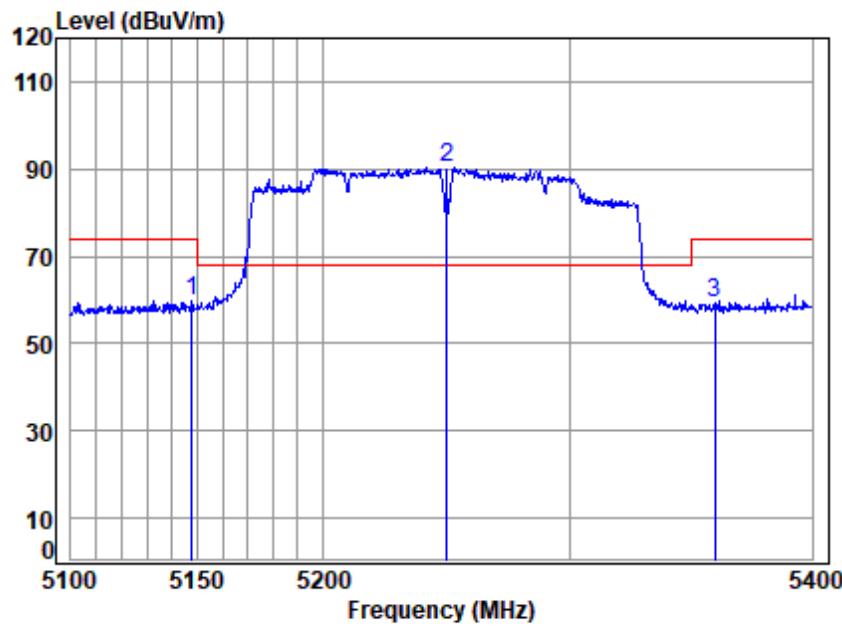
Mode : 5290 Band edge
: 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over 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

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



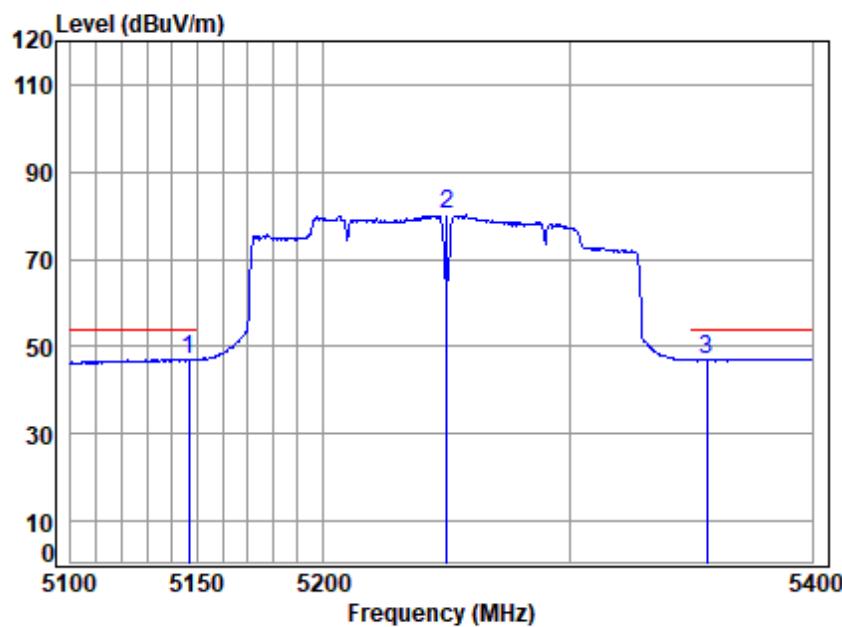
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5250 Band edge
: 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over 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

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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

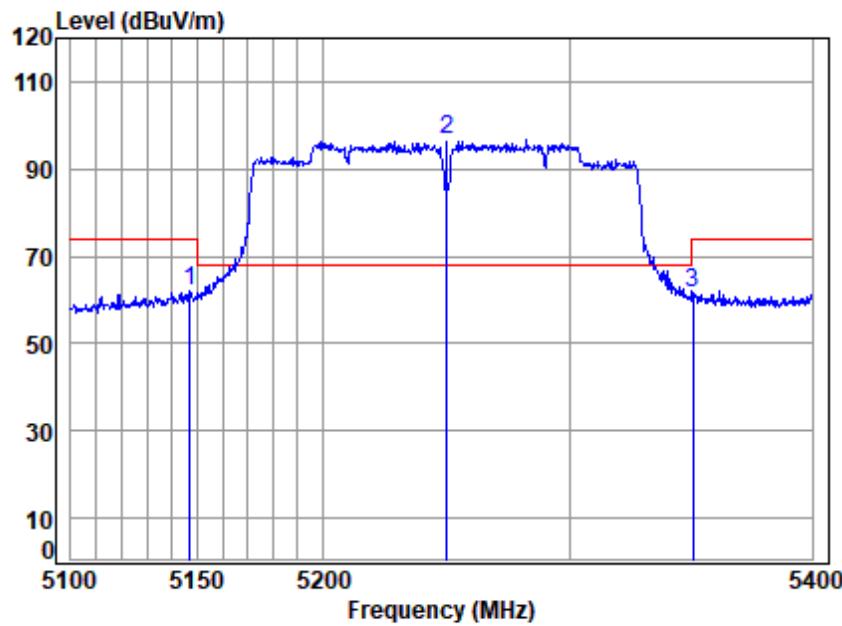
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.561	7.57	34.32	42.32	47.50	47.07	54.00 -6.93 Average
2	5250.000	7.75	34.40	42.33	80.35	80.17	----- Average
3	5356.348	7.94	34.49	42.34	46.91	47.00	54.00 -7.00 Average



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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

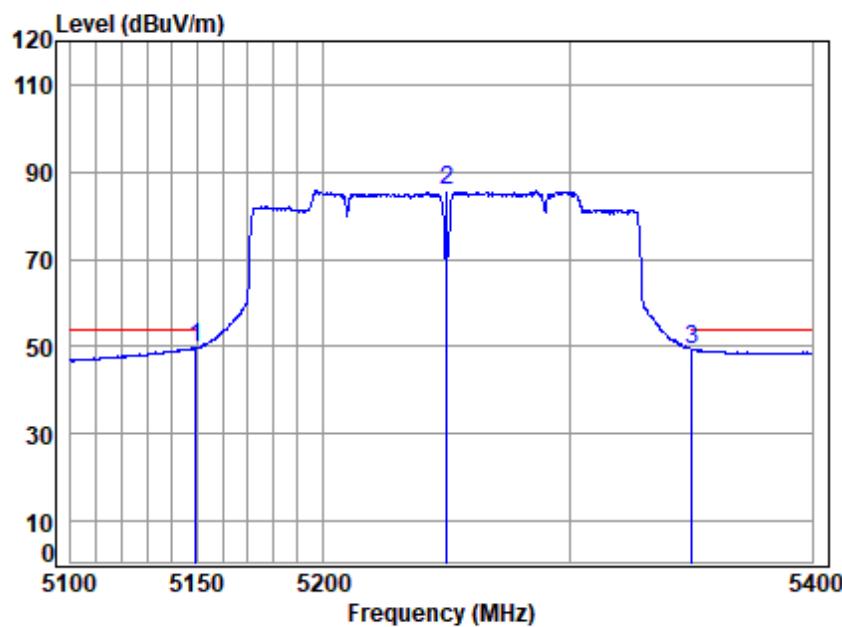
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.149	7.57	34.32	42.32	62.59	62.16	74.00	-11.84 peak
2 *	5250.000	7.75	34.40	42.33	96.74	96.56	68.20	28.36 peak
3	5350.535	7.93	34.48	42.34	61.47	61.54	74.00	-12.46 peak



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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

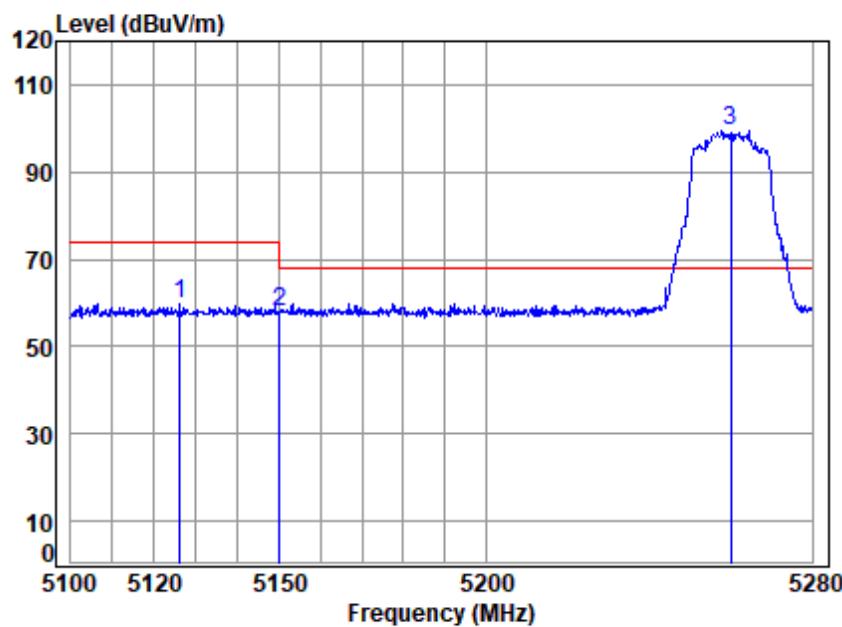
Mode : 5250 Band edge
: 5G WIFI 11AC160

		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	Freq	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	Average
2	5250.000	7.75	34.40	42.33	85.99	85.81	-----	-----	Average
3	5350.229	7.93	34.48	42.34	49.30	49.37	54.00	-4.63	Average

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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

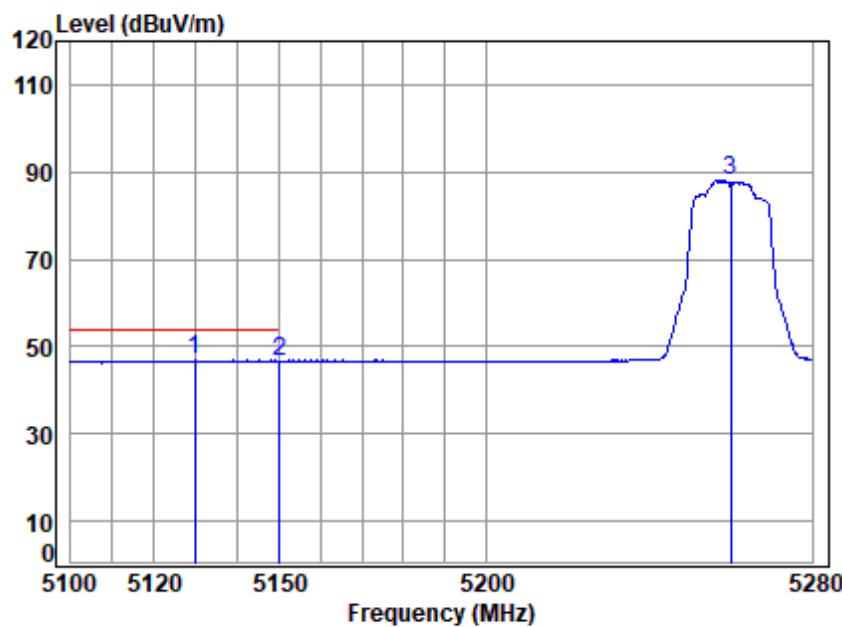
		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	Freq MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5126.070	7.53	34.30	42.31	60.44	59.96	74.00	-14.04	peak
2	5149.980	7.57	34.32	42.32	58.59	58.16	74.00	-15.84	peak
3 *	5260.000	7.77	34.41	42.33	99.77	99.62	68.20	31.42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



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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

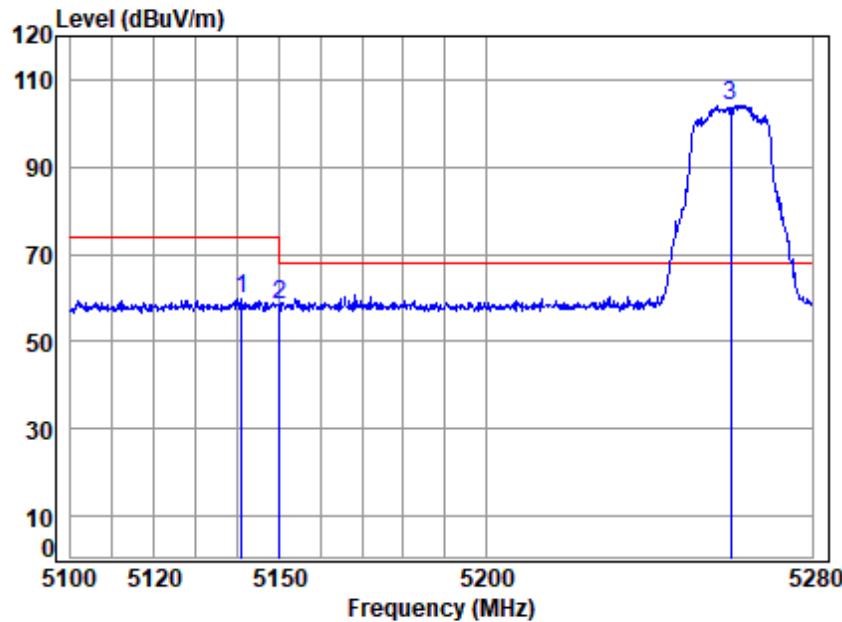
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5129.627	7.54	34.31	42.31	47.29	46.83	54.00 -7.17 Average
2	5149.980	7.57	34.32	42.32	47.10	46.67	54.00 -7.33 Average
3	5260.000	7.77	34.41	42.33	88.17	88.02	----- ----- Average



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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

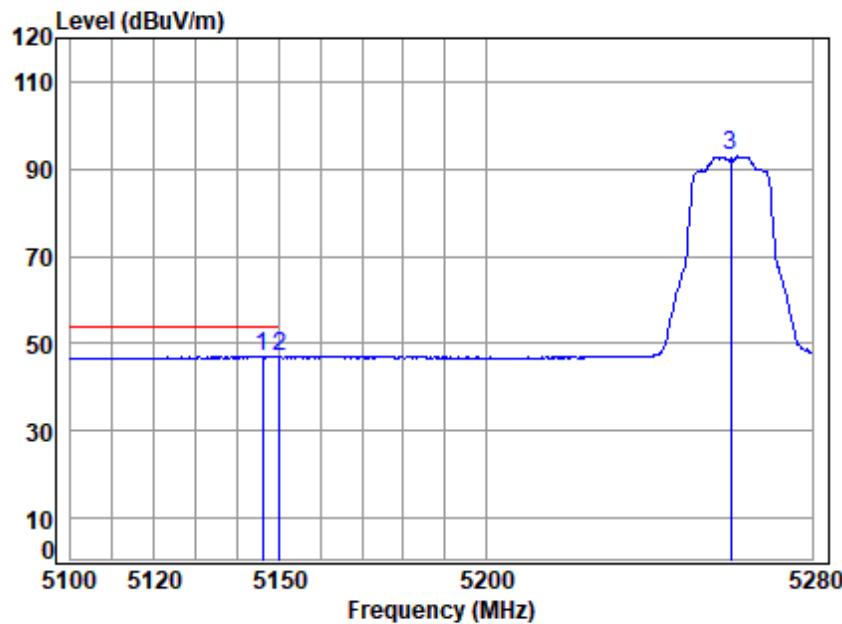
		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
		MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5141.027	7.56	34.32	42.32	42.32	60.16	59.72	74.00	-14.28	peak
2	5149.980	7.57	34.32	42.32	42.32	58.82	58.39	74.00	-15.61	peak
3 *	5260.000	7.77	34.41	42.33	104.41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

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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

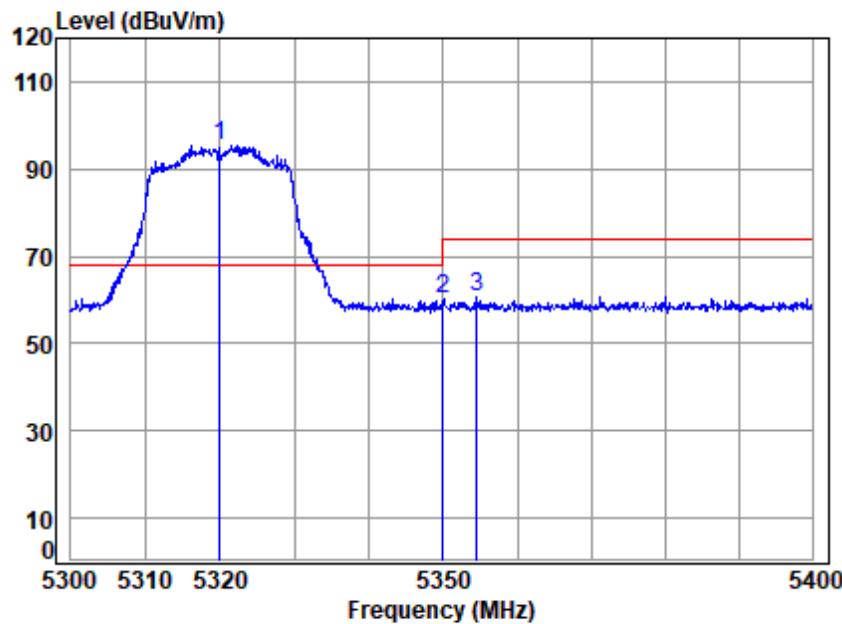
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
	MHz	dB		dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.022	7.57	34.32	42.32	47.41	46.98	54.00	-7.02 Average
2	5149.980	7.57	34.32	42.32	47.31	46.88	54.00	-7.12 Average
3	5260.000	7.77	34.41	42.33	93.03	92.88	-----	----- Average

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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

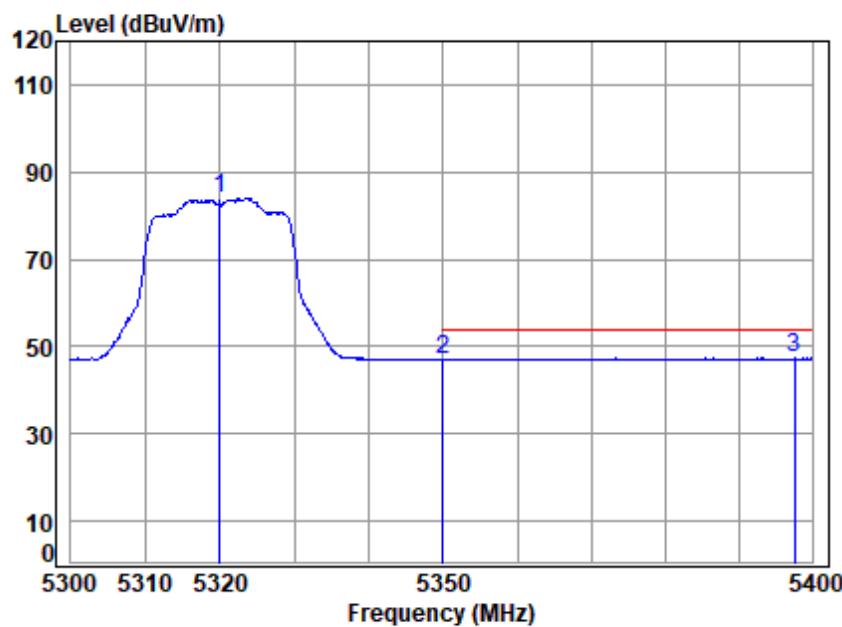
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dB	dBuV	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	95.26	95.26	68.20	27.06 peak
2 5350.020	7.92	34.48	42.34	59.94	60.00	74.00	-14.00 peak
3 5354.568	7.93	34.49	42.34	60.74	60.82	74.00	-13.18 peak



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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

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

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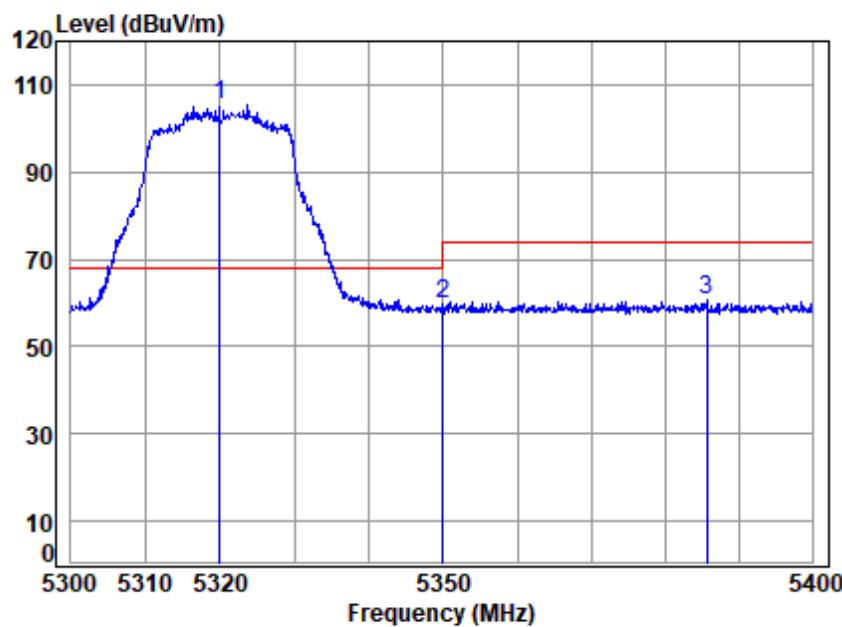
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Shenzhen Branch Inspection & Testing Services Laboratory

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: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



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

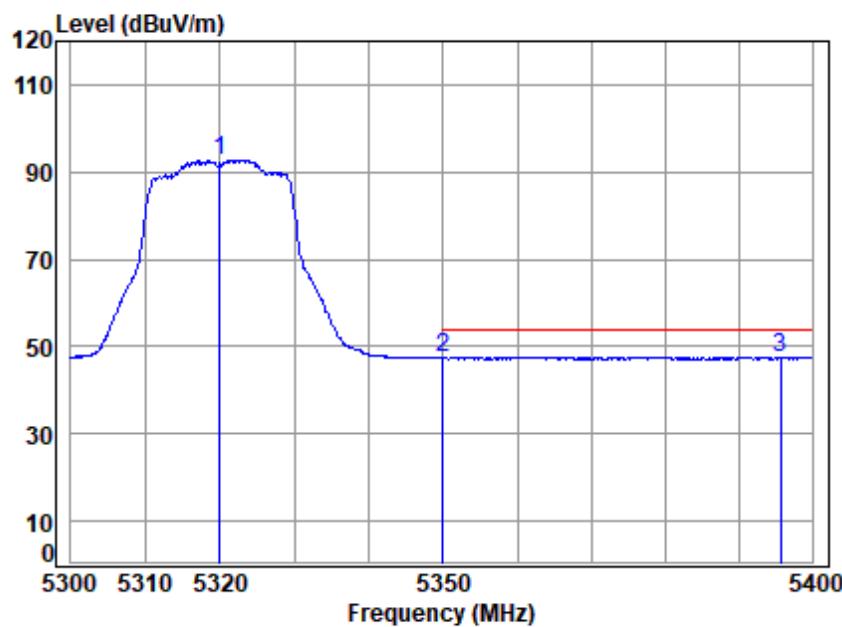
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	105.35	105.35	68.20	37.15	peak
2 5350.020	7.92	34.48	42.34	59.72	59.78	74.00	-14.22	peak
3 5385.686	7.99	34.51	42.34	60.48	60.64	74.00	-13.36	peak



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



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

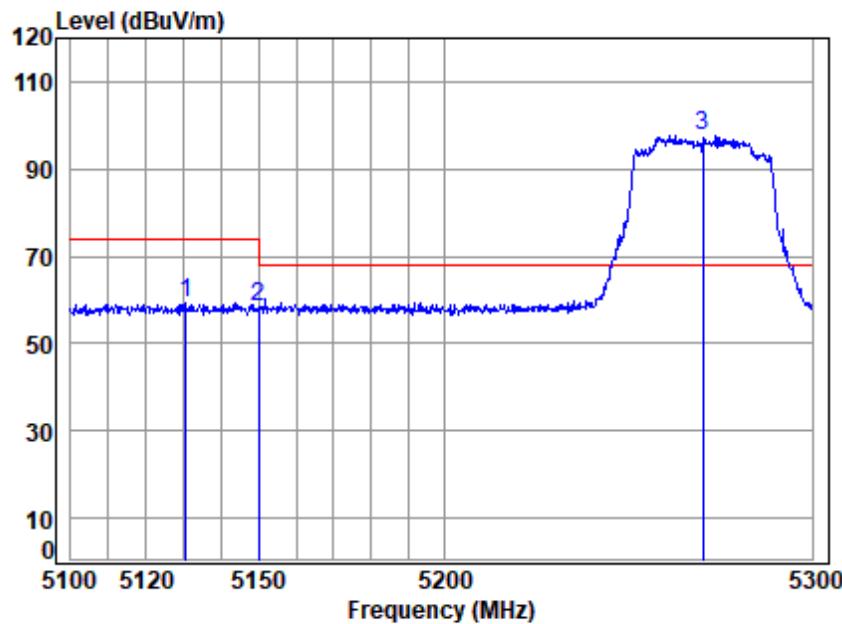
Mode : 5320 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

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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

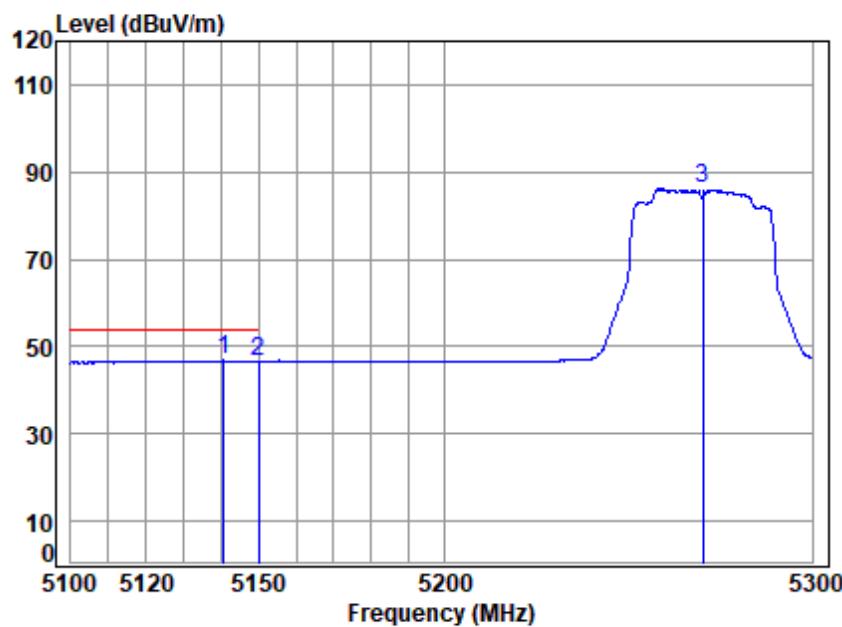
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5130.499	7.54	34.31	42.31	59.97	59.51	74.00	-14.49	peak
2	5149.980	7.57	34.32	42.32	58.78	58.35	74.00	-15.65	peak
3 *	5270.000	7.79	34.42	42.33	97.97	97.85	68.20	29.65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



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



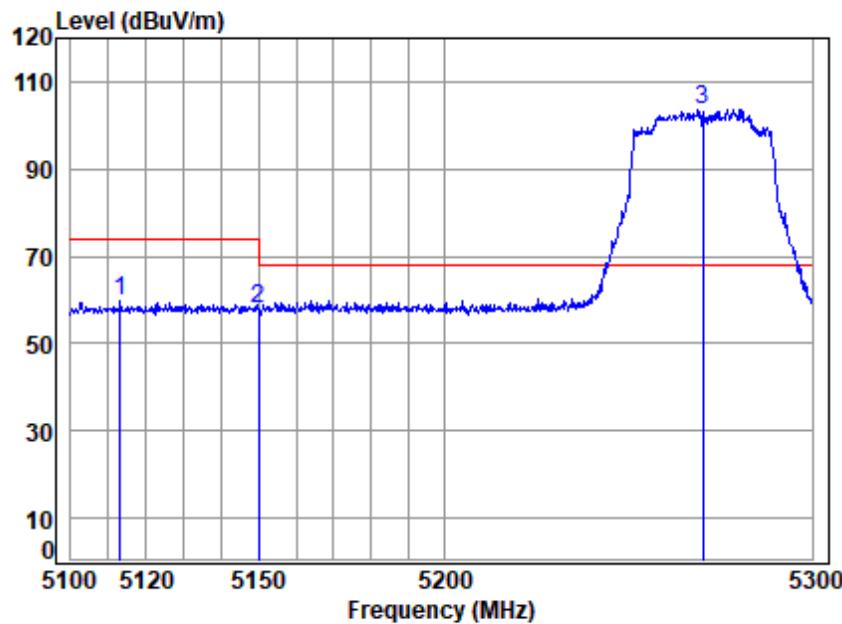
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5270 Band edge
: 5G WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
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

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



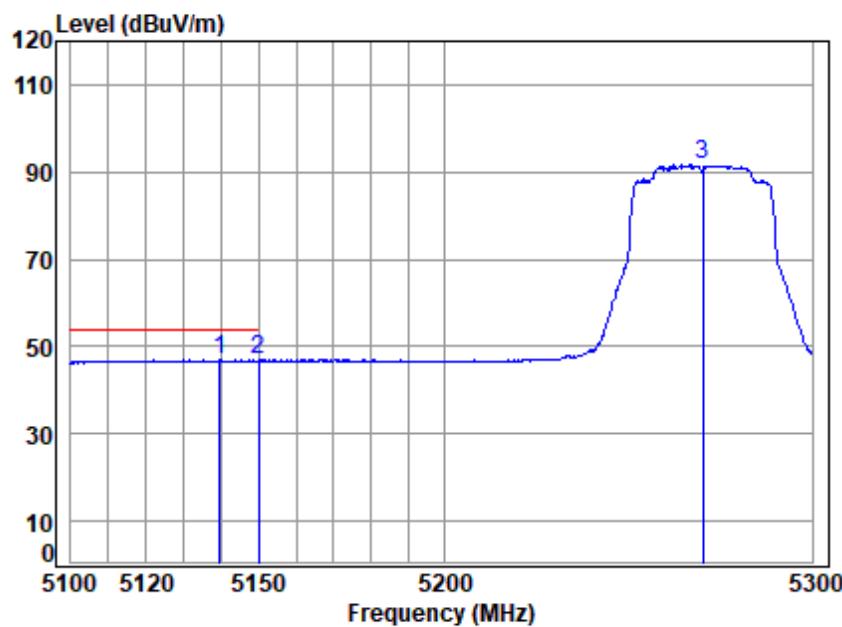
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5270 Band edge
: 5G WIFI 11AX40

		Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	Freq	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



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



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

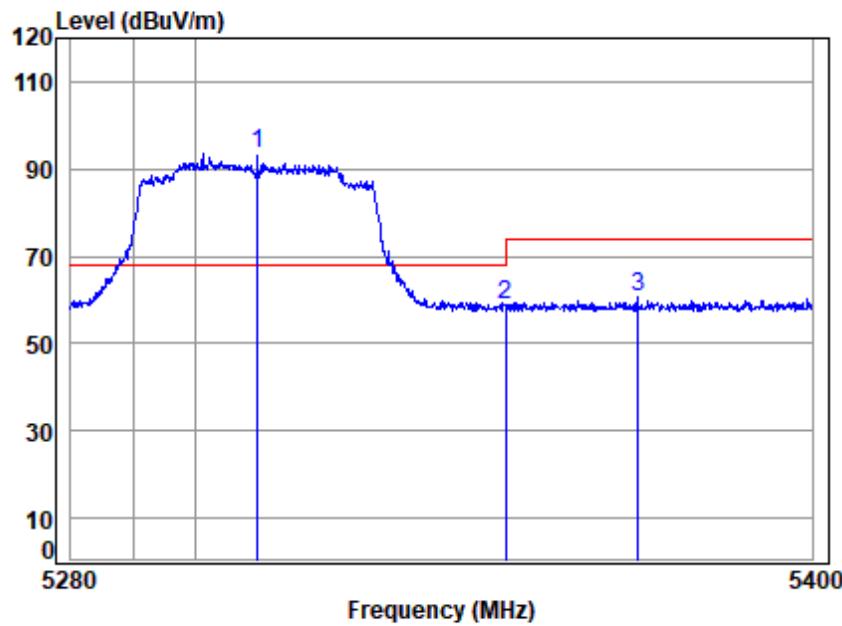
Mode : 5270 Band edge
: 5G WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	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

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



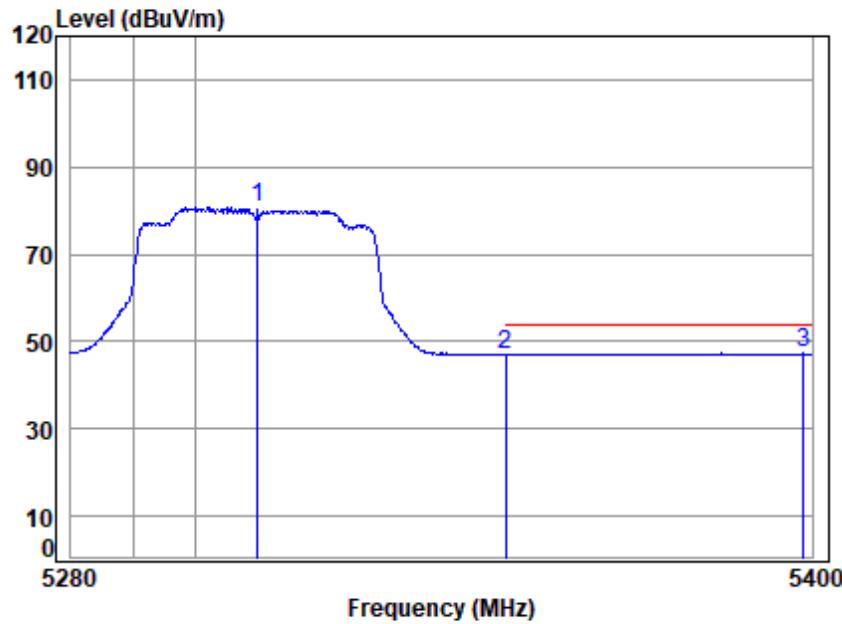
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5310 Band edge
: 5G WIFI 11AX40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dB	dBuV	dBuV/m	
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

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



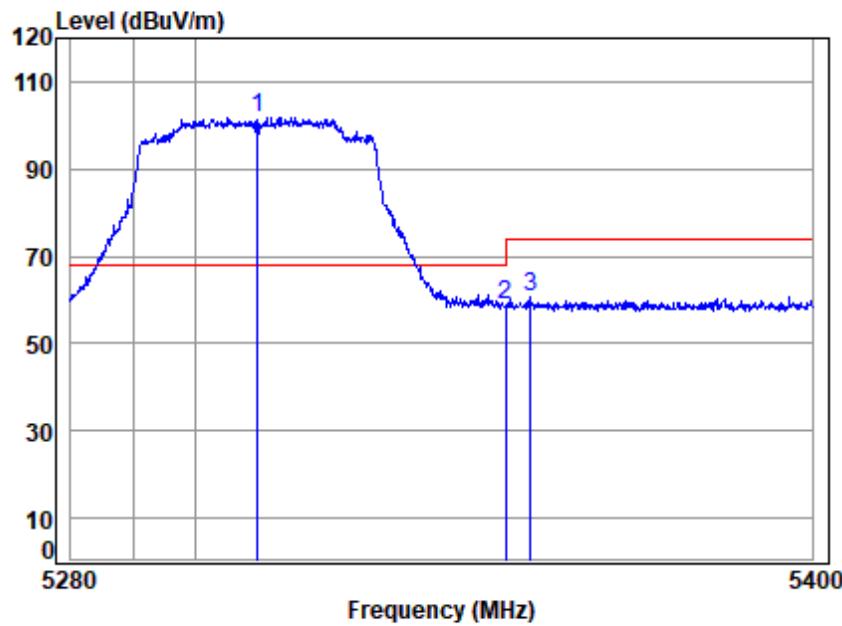
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5310 Band edge
: 5G WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	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



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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

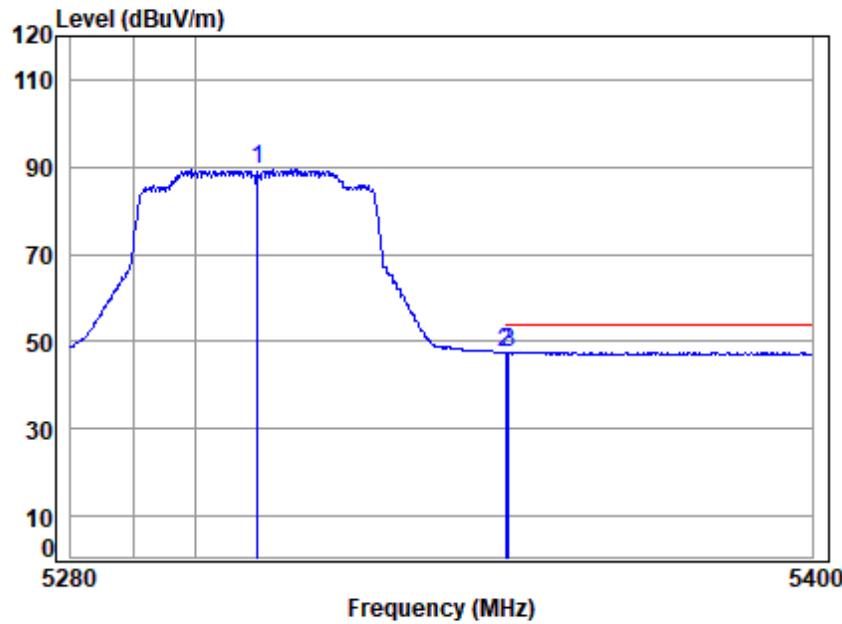
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	101.87	101.85	68.20	33.65 peak
2 5350.020	7.92	34.48	42.34	58.68	58.74	74.00	-15.26 peak
3 5354.082	7.93	34.49	42.34	60.40	60.48	74.00	-13.52 peak



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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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	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

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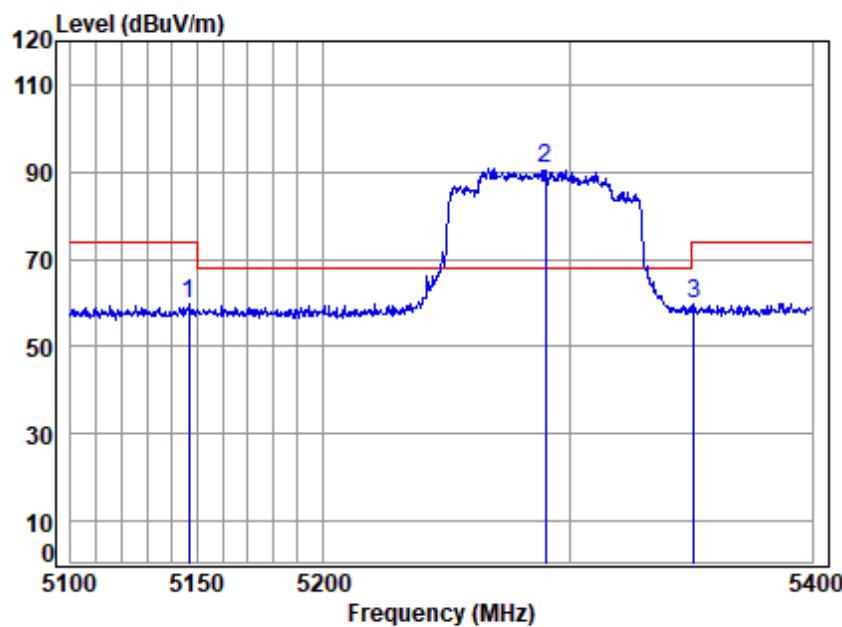
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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

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:802.11ax; Bandwidth:80MHz; Channel:middle



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

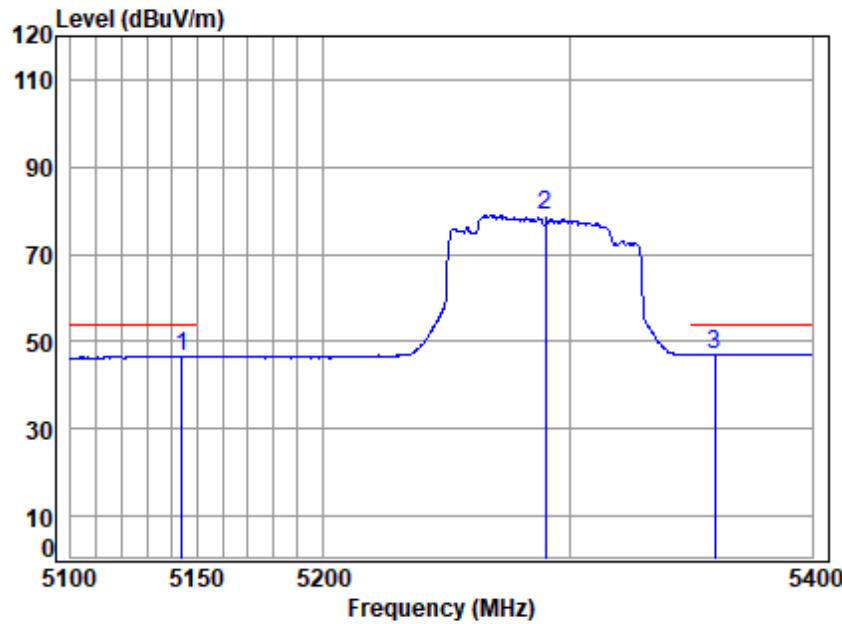
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.561	7.57	34.32	42.32	60.12	59.69	74.00	-14.31	peak
2 *	5290.000	7.82	34.44	42.33	90.98	90.91	68.20	22.71	peak
3	5350.840	7.93	34.48	42.34	59.67	59.74	74.00	-14.26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



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



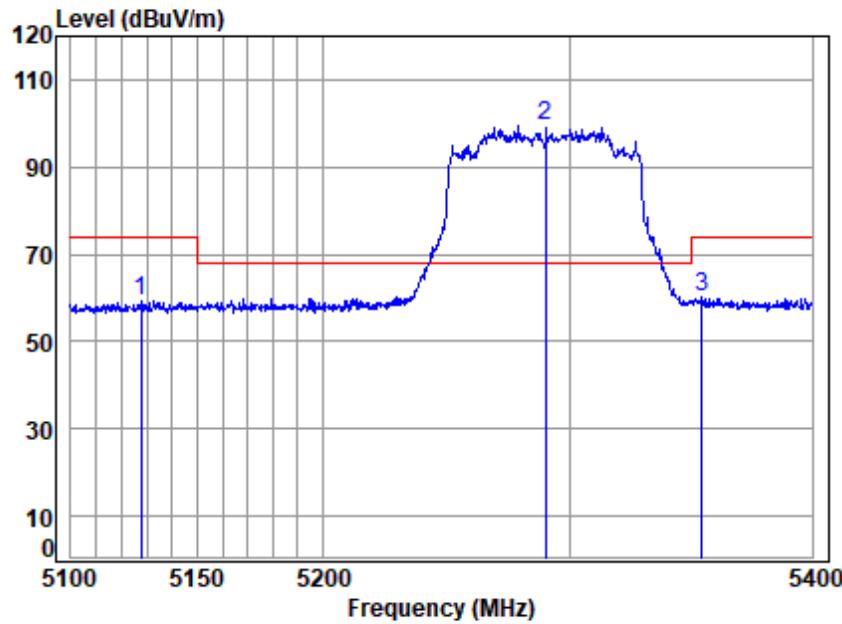
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5290 Band edge
: 5G WIFI 11AX80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	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 Average
2	5290.000	7.82	34.44	42.33	79.20	79.13	-----	----- Average
3	5359.717	7.94	34.49	42.34	47.05	47.14	54.00	-6.86 Average

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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

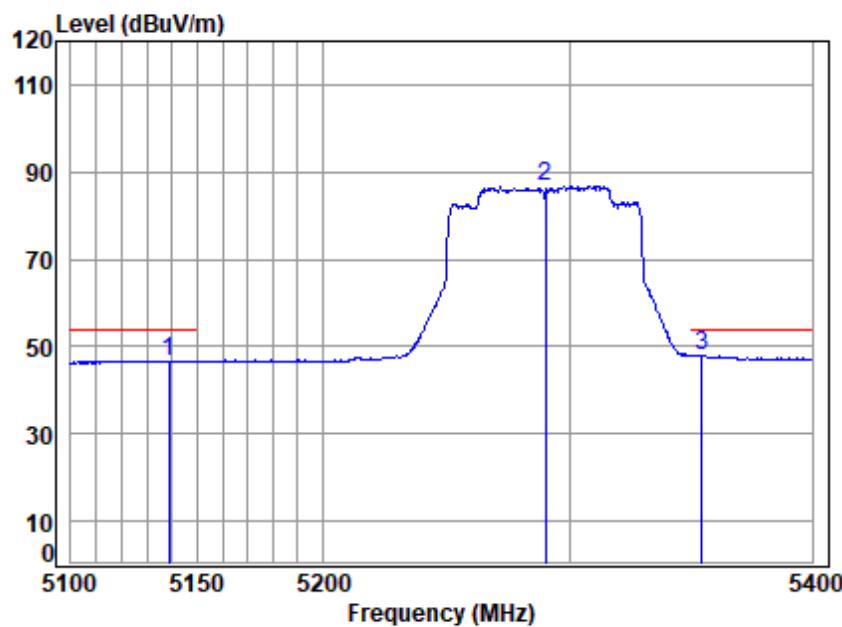
Mode : 5290 Band edge
: 5G WIFI 11AX80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over 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

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



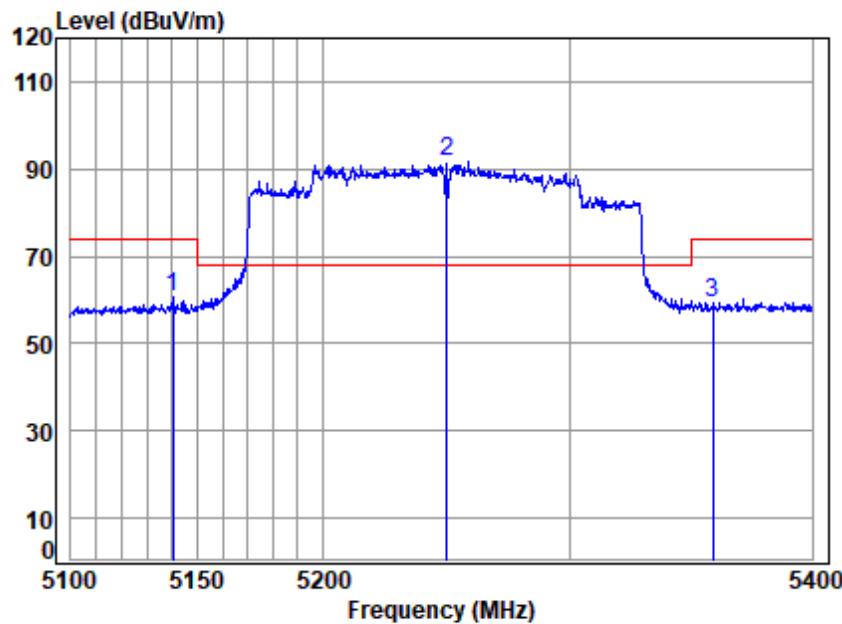
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5290 Band edge
: 5G WIFI 11AX80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over 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



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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

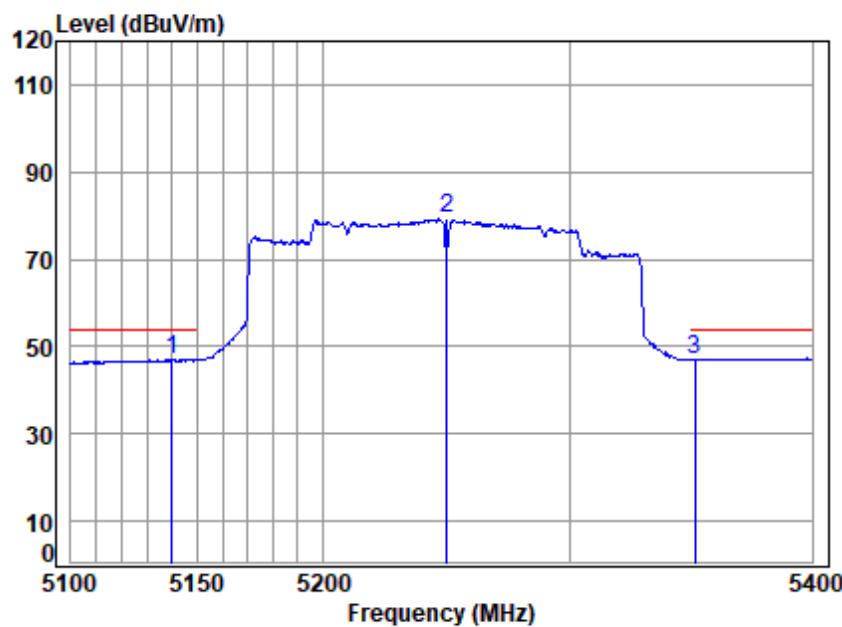
	Cable Freq	Loss dB	Ant Factor	Preamp Factor	Read Level dB	Limit Level dBuV	Line Level dBuV/m	Over Line Level dBuV/m	Over Limit dB	Remark
	MHz									
1	5140.387	7.56	34.32	42.32	60.91	60.47	74.00	74.00	-13.53	peak
2 *	5250.000	7.75	34.40	42.33	91.69	91.51	68.20	68.20	23.31	peak
3	5358.798	7.94	34.49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



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



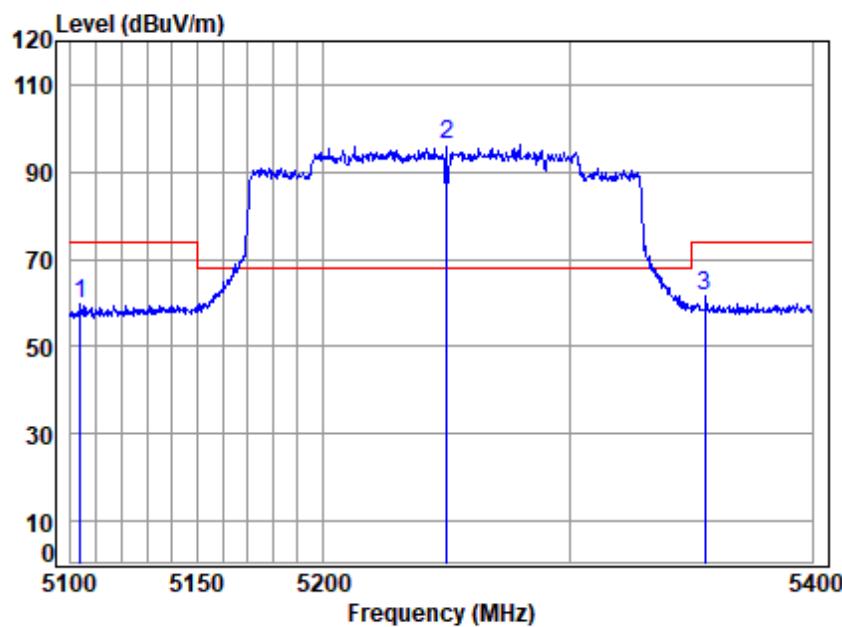
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5250 Band edge
: 5G WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	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 Average
2	5250.000	7.75	34.40	42.33	79.39	79.21	----- Average
3	5351.452	7.93	34.49	42.34	46.97	47.05	54.00 -6.95 Average



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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 Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	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

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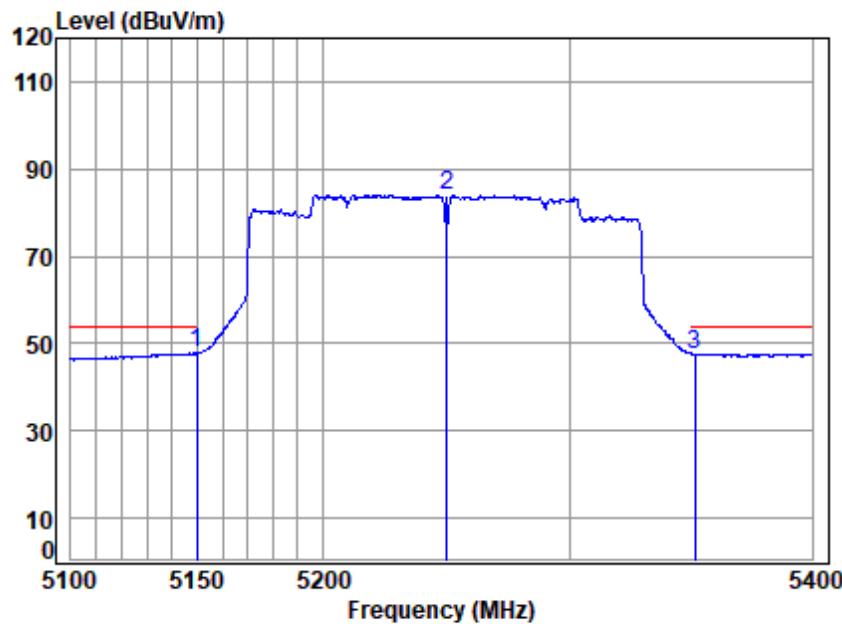
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Shenzhen Branch Inspection & Testing Services Laboratory

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: Vertical; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

Mode : 5250 Band edge
: 5G WIFI 11AX160

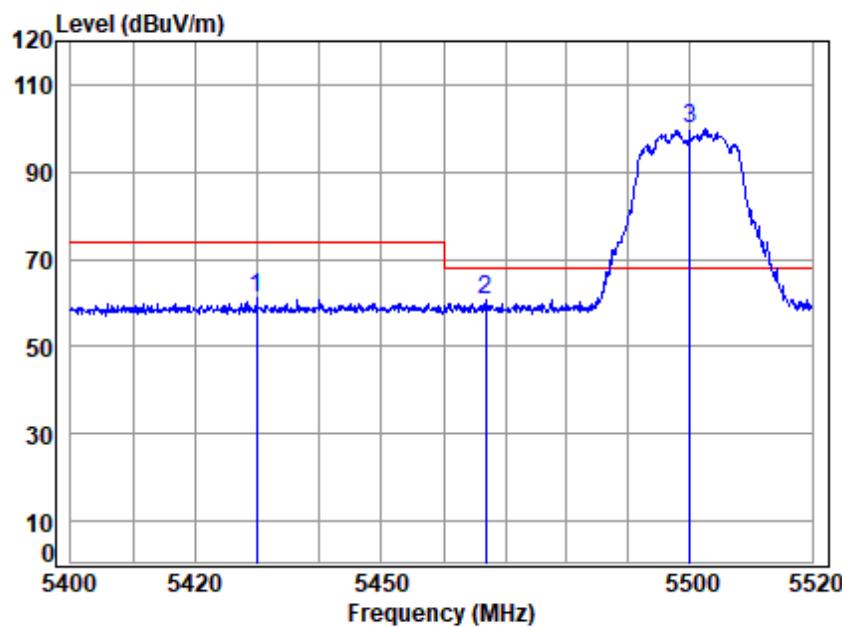
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.798	7.57	34.32	42.32	48.23	47.80	54.00	-6.20	Average
2	5250.000	7.75	34.40	42.33	84.29	84.11	-----	-----	Average
3	5351.452	7.93	34.49	42.34	47.53	47.61	54.00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



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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

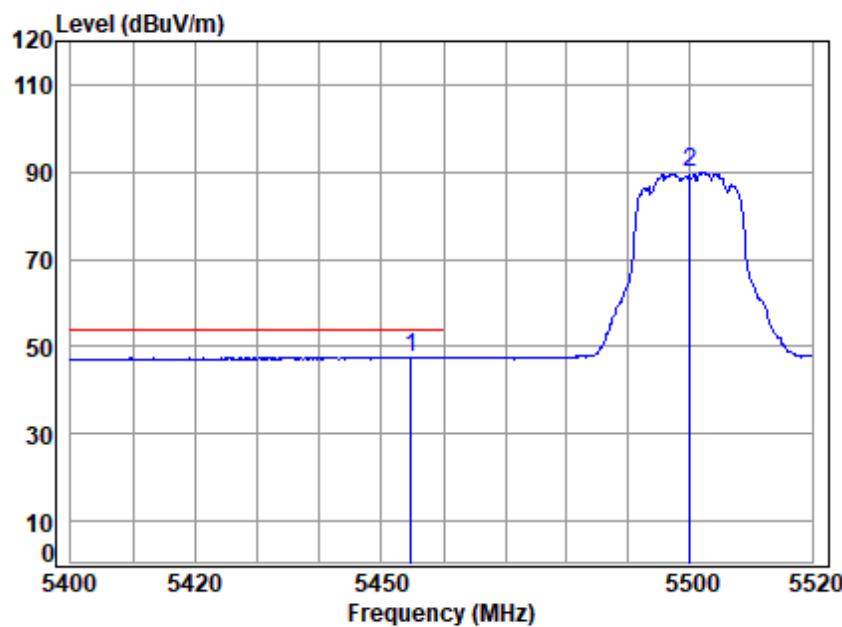
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
1 5429.873	8.06	34.55	42.35	60.73	60.99	74.00	-13.01 peak
2 5466.875	8.12	34.57	42.35	60.44	60.78	68.20	-7.42 peak
3 * 5500.000	8.18	34.60	42.35	99.36	99.79	68.20	31.59 peak



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



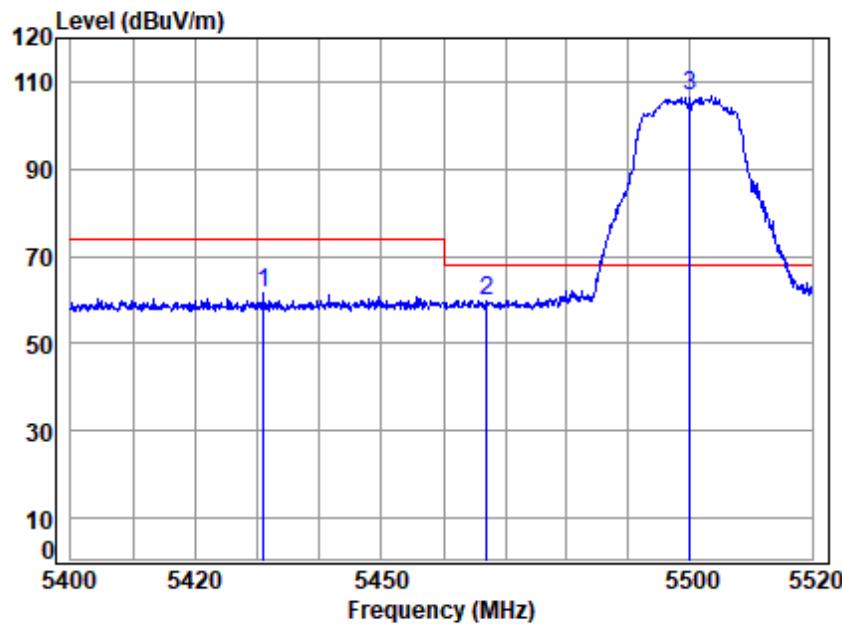
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5500 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

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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

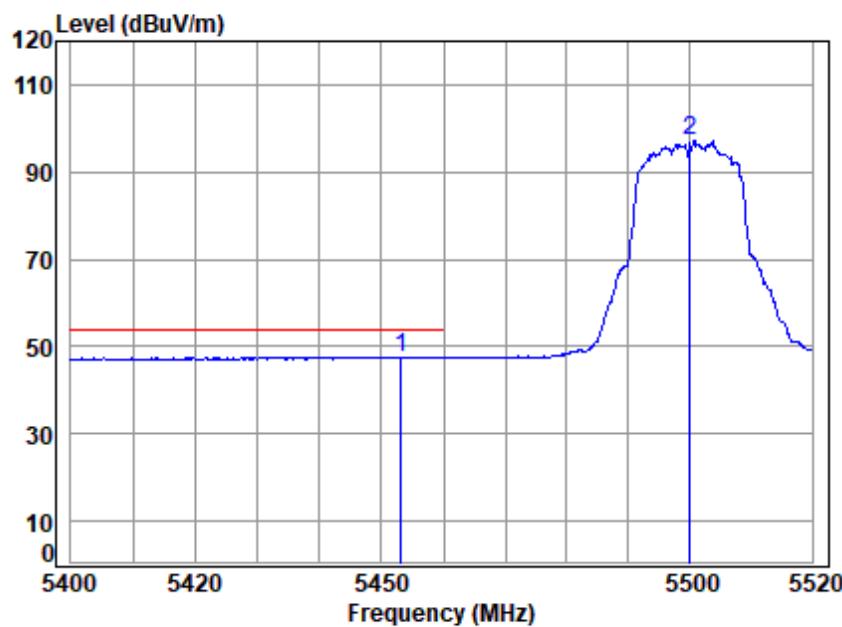
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5430.947	8.06	34.55	42.35	61.48	61.74	74.00	-12.26 peak
2	5466.995	8.12	34.57	42.35	59.55	59.89	68.20	-8.31 peak
3 *	5500.000	8.18	34.60	42.35	106.13	106.56	68.20	38.36 peak



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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 Freq	Ant Loss	Preamp Factor	Read Level	Limit 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

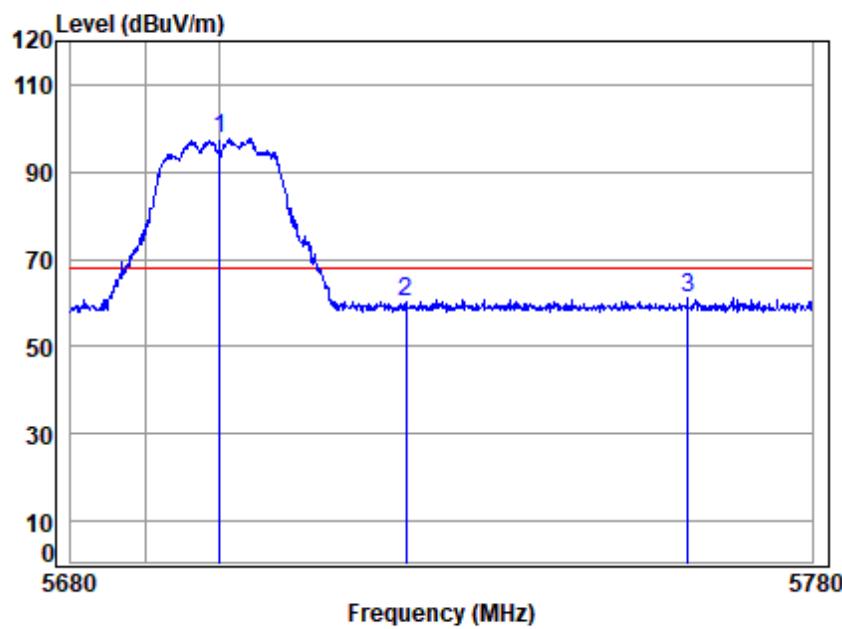
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Test Mode: 25; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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

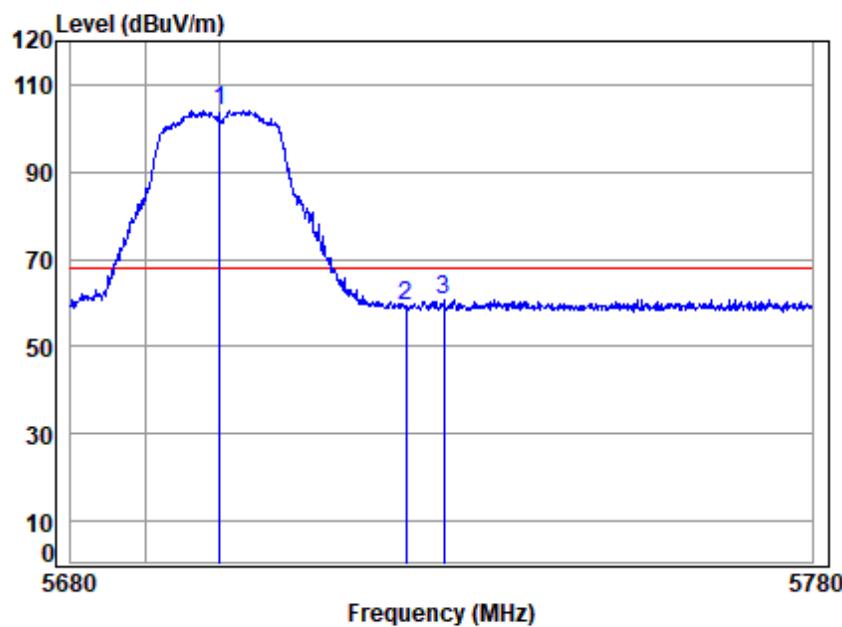
Freq	Cable	Ant	Preamp	Read	Limit	Over	Over	
	Loss	Factor	Factor	Level				Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5700.000	8.21	34.81	42.37	97.21	97.86	68.20	29.66	peak
2 5725.000	8.22	34.83	42.37	59.75	60.43	68.20	-7.77	peak
3 5763.078	8.22	34.87	42.38	60.56	61.27	68.20	-6.93	peak



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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

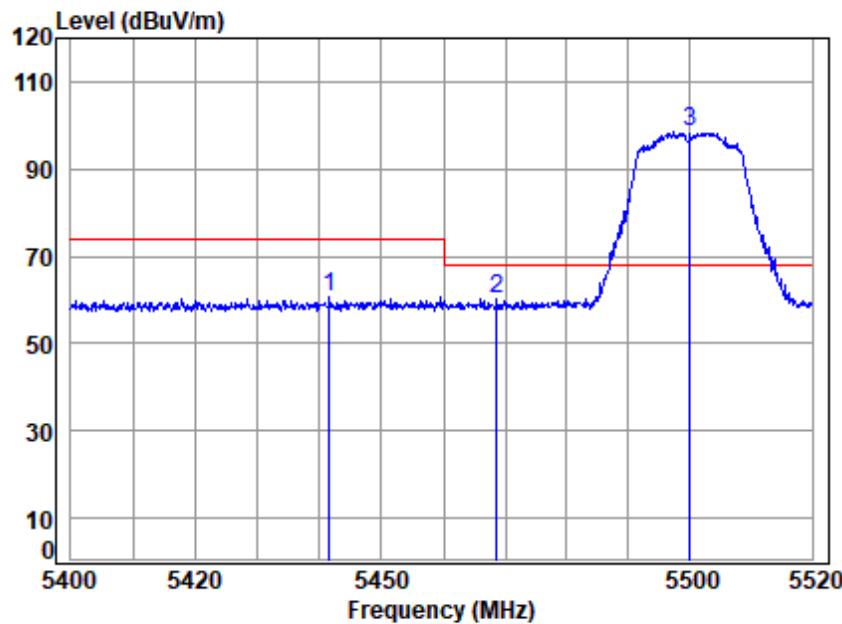
Mode : 5700 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	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



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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

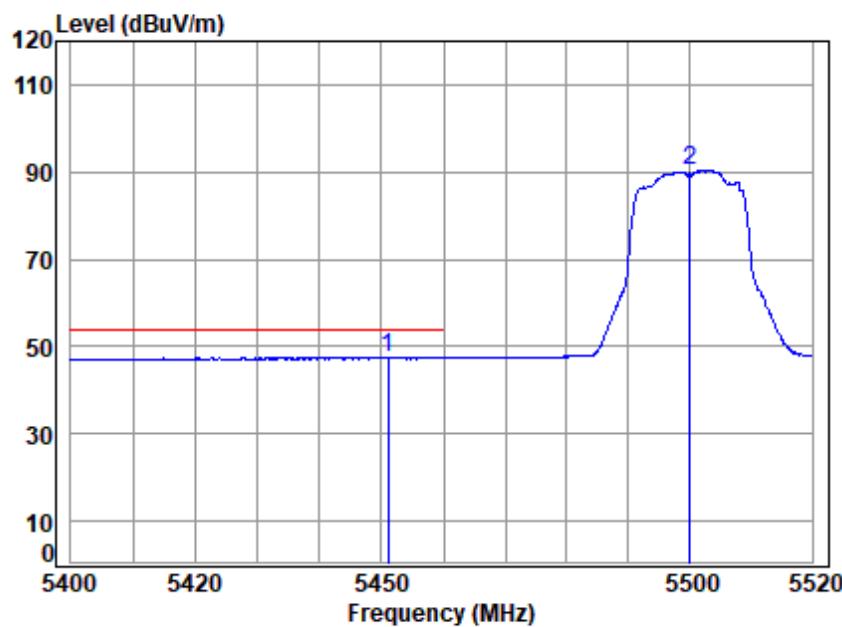
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5441.581	8.08	34.56	42.35	60.44	60.73	74.00	-13.27 peak
2	5468.678	8.13	34.58	42.35	59.72	60.08	68.20	-8.12 peak
3 *	5500.000	8.18	34.60	42.35	98.11	98.54	68.20	30.34 peak



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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 Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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



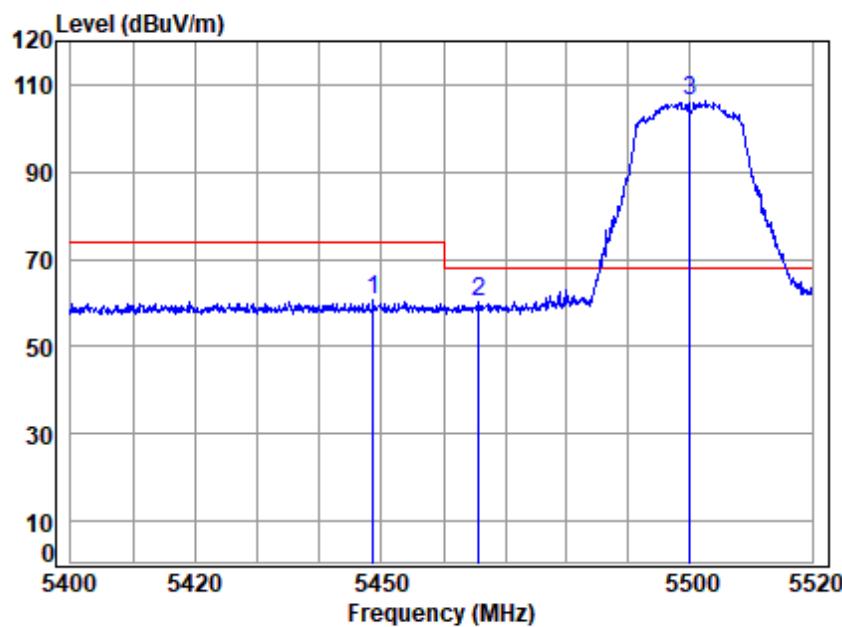
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Shenzhen Branch Inspection & Testing Services Laboratory

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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 Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

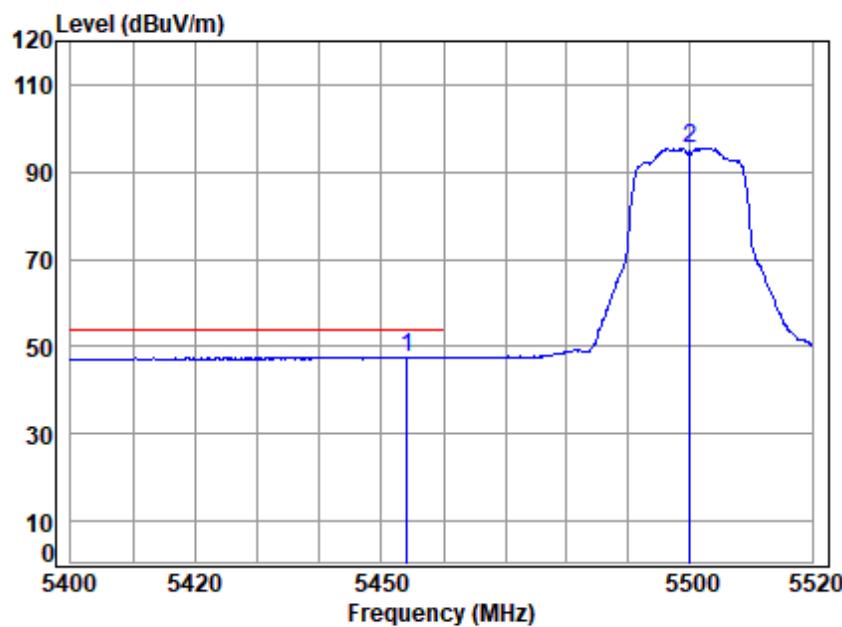
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Test Mode: 25; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR
Mode : 5500 Band edge
: 5G WIFI 11N20

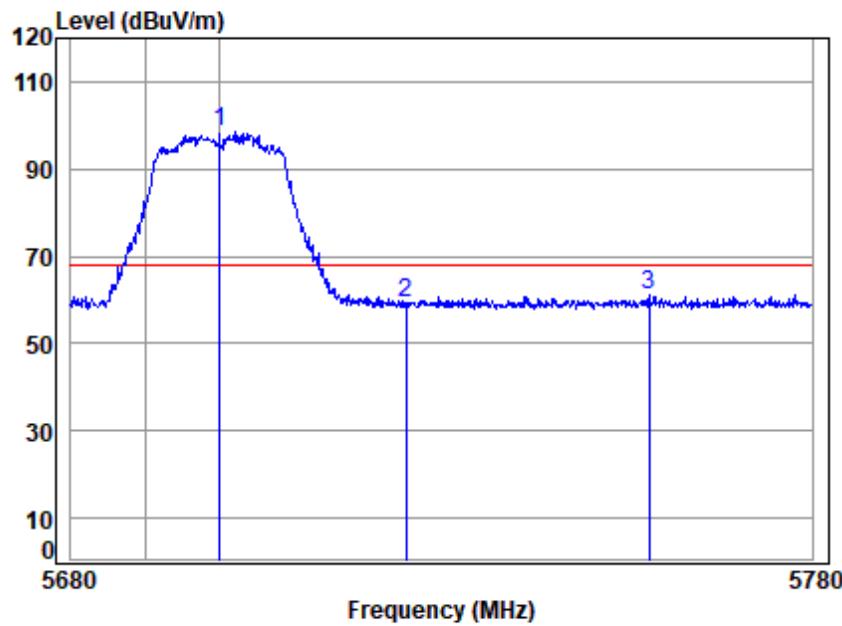
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5454.153	8.10	34.56	42.35	47.25	47.56	54.00	-6.44 Average
2	5500.000	8.18	34.60	42.35	95.08	95.51	-----	----- Average



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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

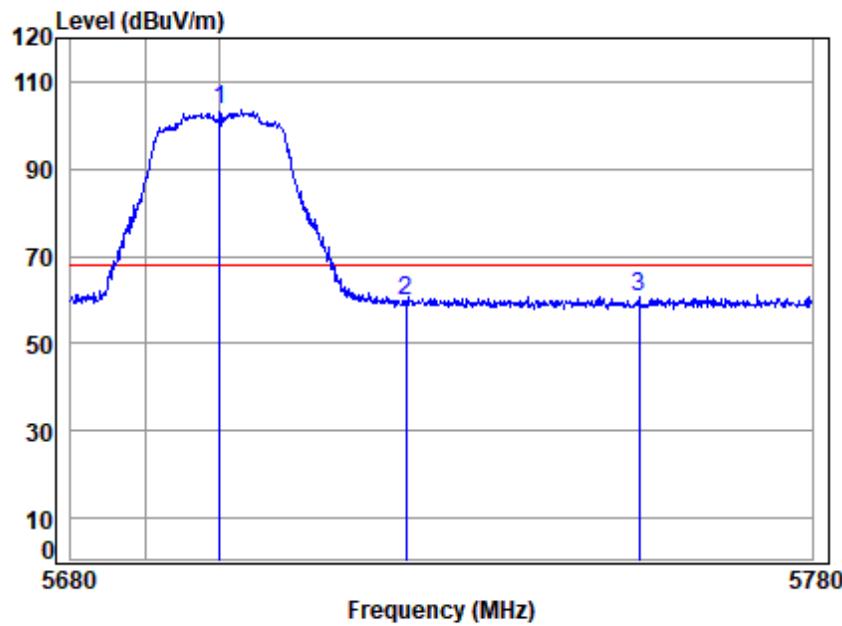
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	97.68	98.33	68.20	30.13 peak
2 5725.000	8.22	34.83	42.37	58.77	59.45	68.20	-8.75 peak
3 5757.850	8.22	34.86	42.38	60.27	60.97	68.20	-7.23 peak



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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

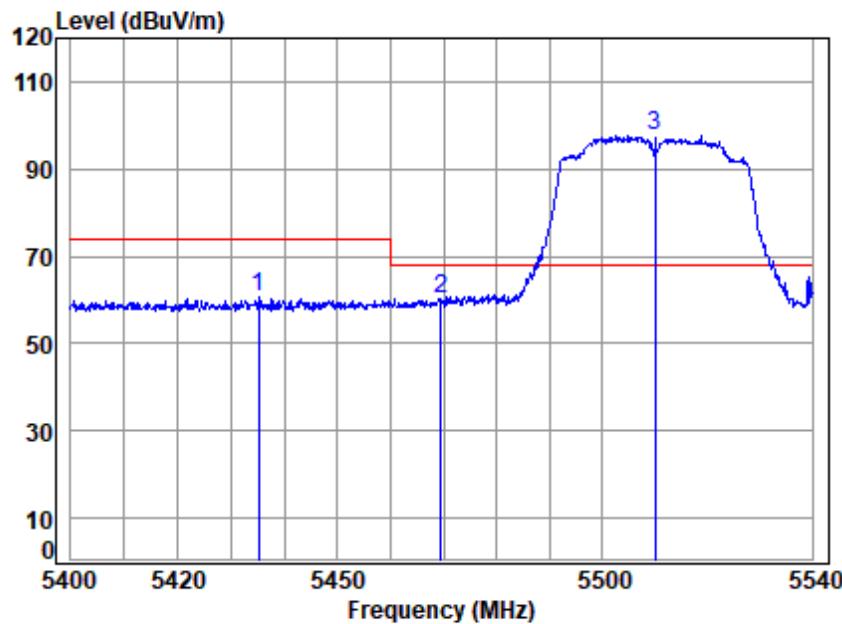
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m		dB
1 * 5700.000	8.21	34.81	42.37	102.87	103.52	68.20	35.32	peak
2 5725.000	8.22	34.83	42.37	59.16	59.84	68.20	-8.36	peak
3 5756.544	8.22	34.86	42.38	60.21	60.91	68.20	-7.29	peak



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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	Limit Line	Over Limit	Remark	
				Level				
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

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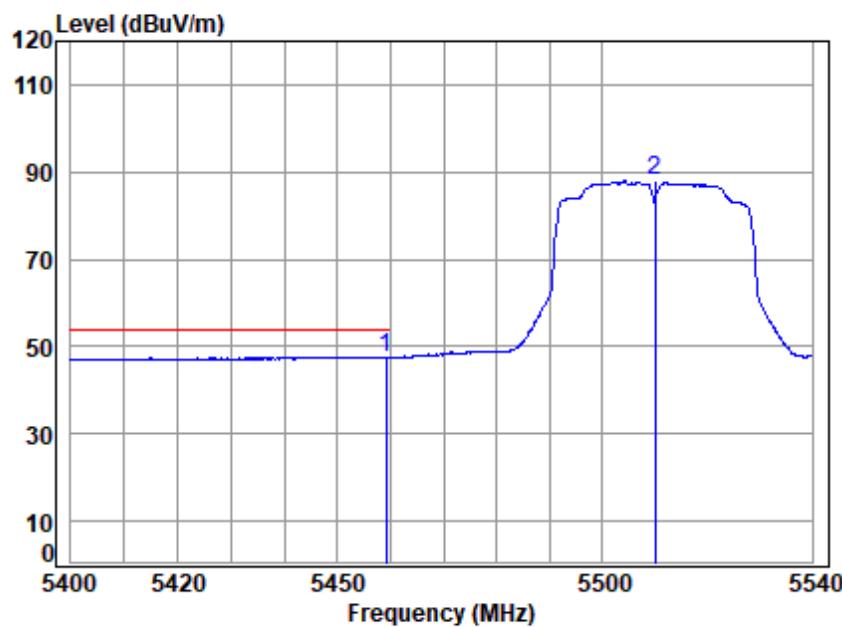
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Shenzhen Branch Inspection & Testing Services Laboratory

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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:802.11n; Bandwidth:40MHz; Channel:Low



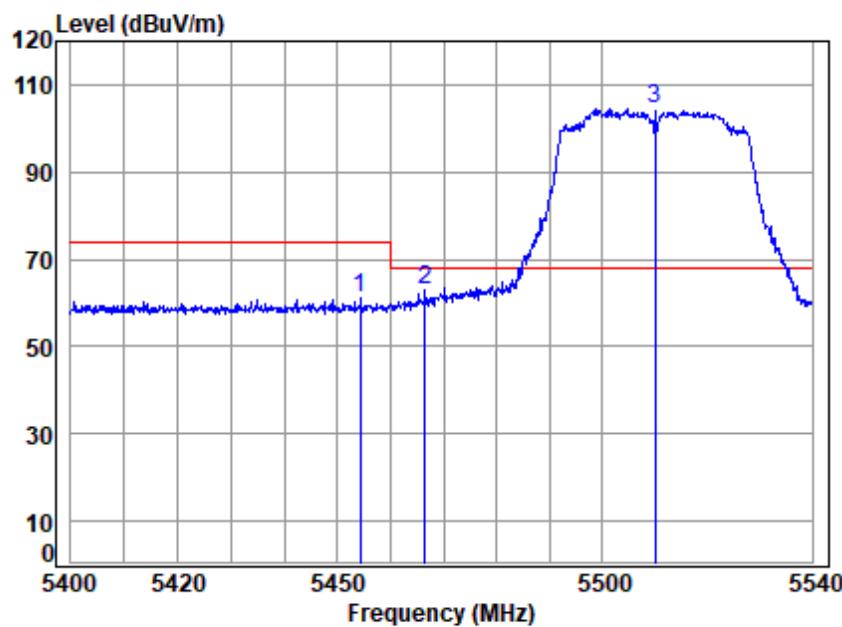
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5510 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit 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

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



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

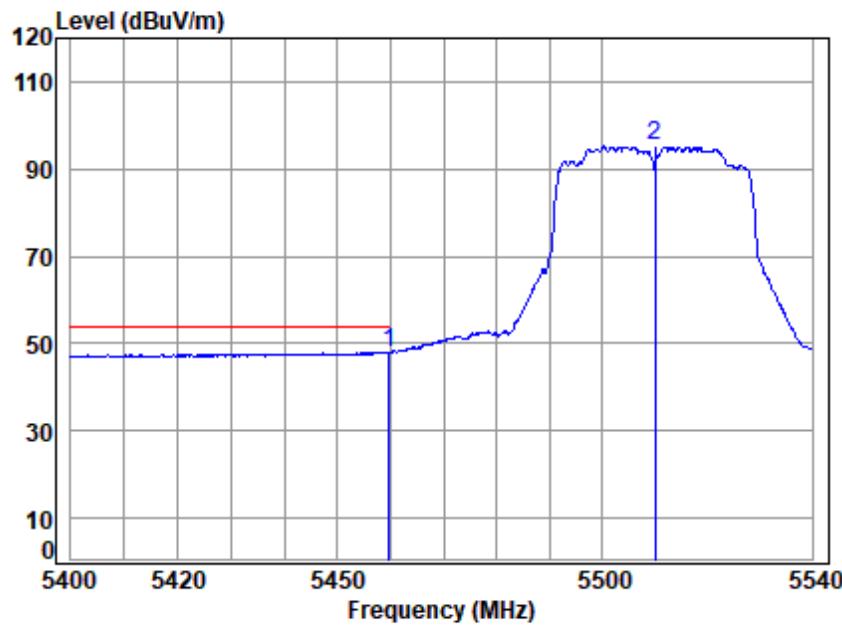
Mode : 5510 Band edge
: 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Remark
				dB	dB/m	dB	dBuV	dBuV/m
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

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



Site : chamber

Condition: 3m VERTICAL

Job No : 02179CR

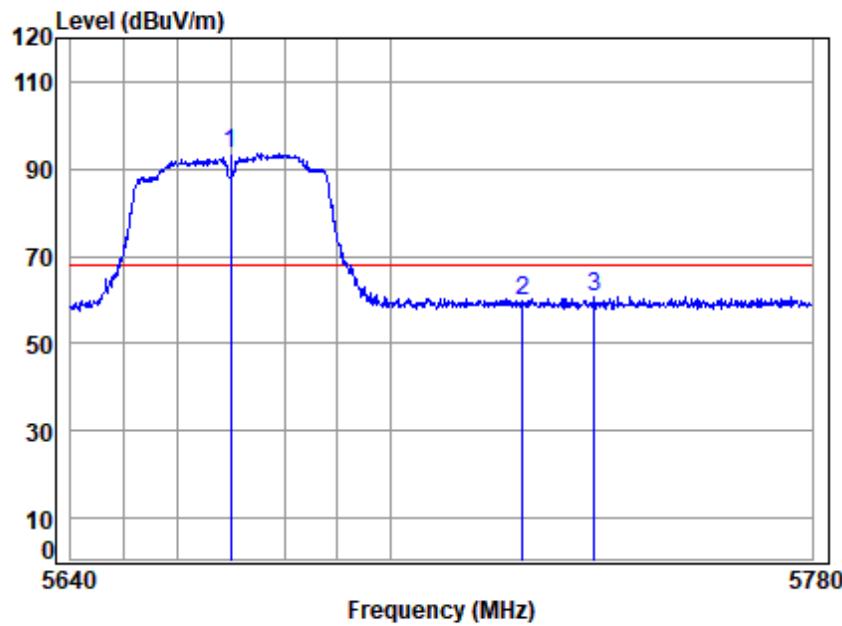
Mode : 5510 Band edge
: 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit 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	47.76	48.09	54.00	-5.91 Average
2	5510.000	8.18	34.61	42.35	94.79	95.23	-----	----- Average

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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

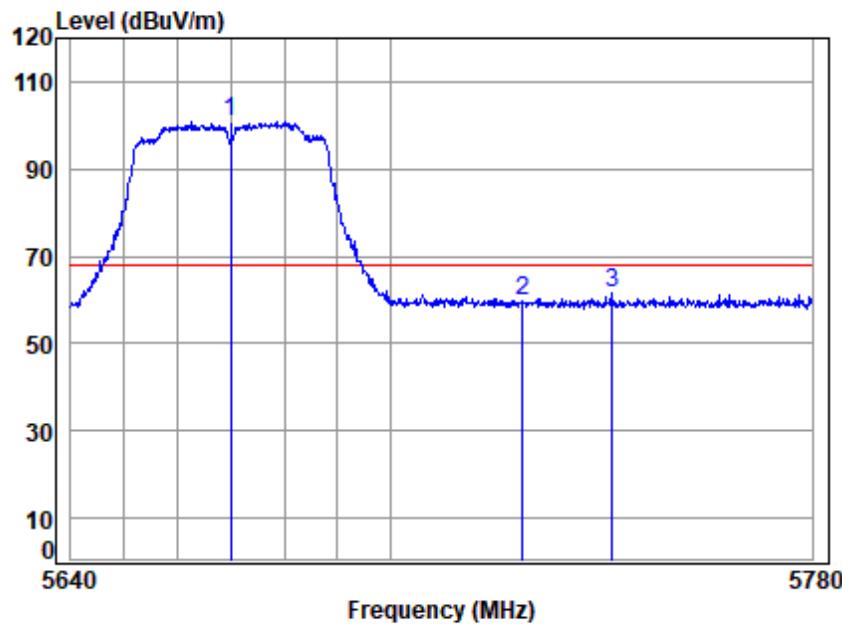
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	92.89	93.50	68.20	25.30	peak
2 5725.000	8.22	34.83	42.37	59.22	59.90	68.20	-8.30	peak
3 5738.483	8.22	34.84	42.38	60.04	60.72	68.20	-7.48	peak



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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

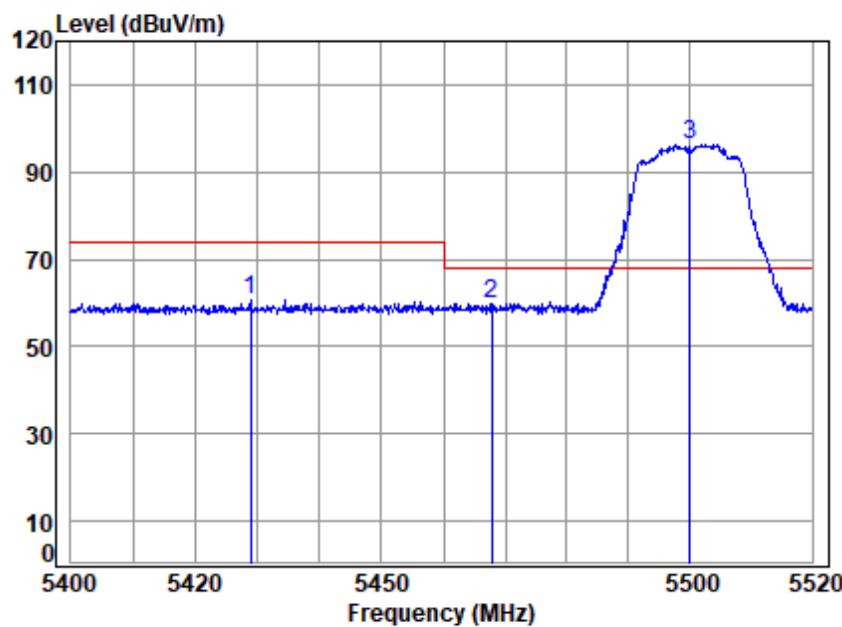
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	100.30	100.91	68.20	32.71	peak
2 5725.000	8.22	34.83	42.37	59.14	59.82	68.20	-8.38	peak
3 5742.002	8.22	34.85	42.38	60.98	61.67	68.20	-6.53	peak



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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

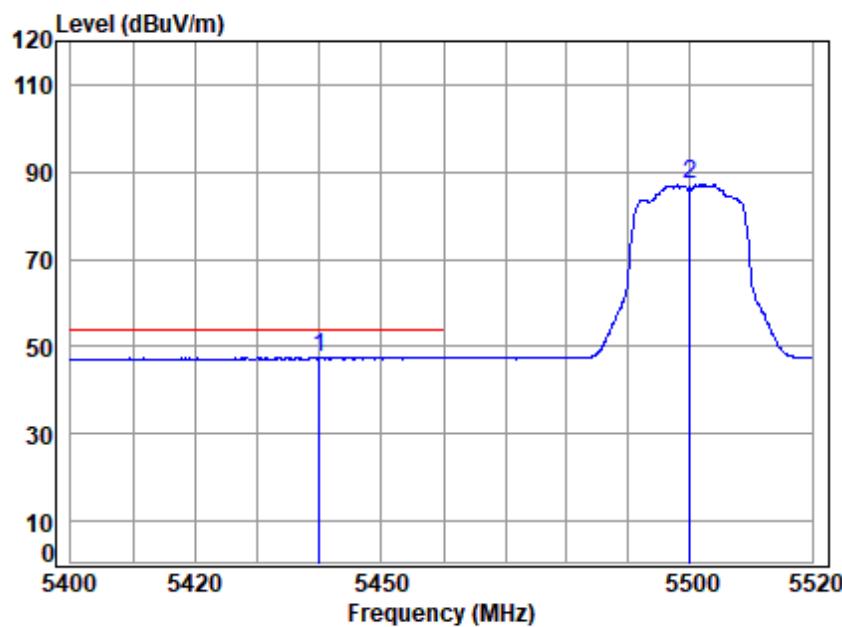
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5428.918	8.06	34.55	42.35	60.27	60.53	74.00	-13.47	peak
2	5467.836	8.13	34.58	42.35	59.35	59.71	68.20	-8.49	peak
3 *	5500.000	8.18	34.60	42.35	95.85	96.28	68.20	28.08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



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



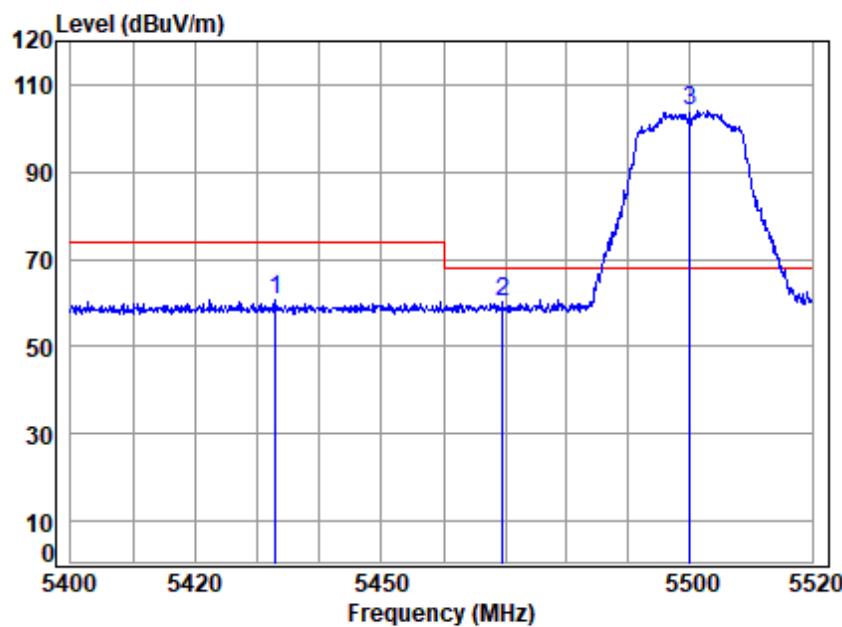
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5500 Band edge
: 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

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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

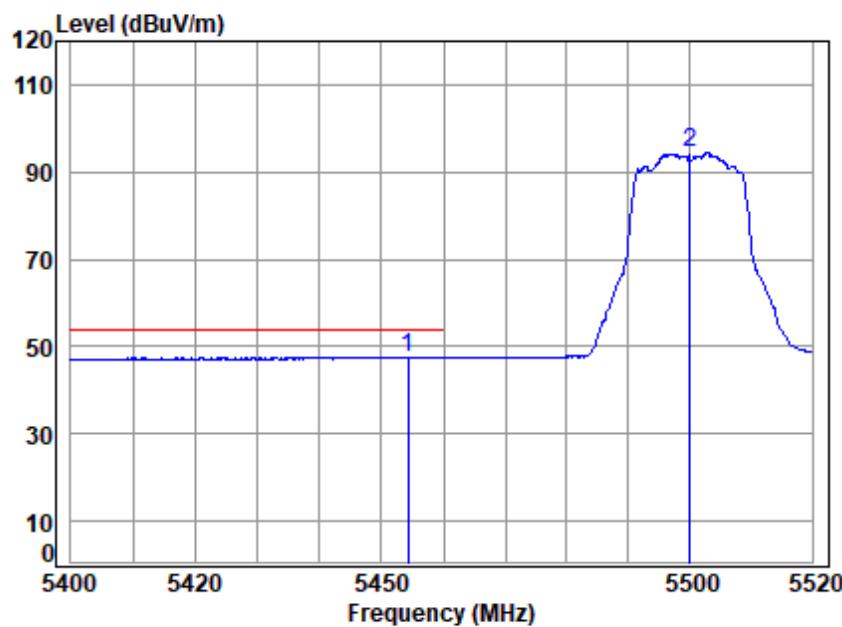
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5432.857	8.07	34.55	42.35	60.28	60.55	74.00	-13.45 peak
2	5469.519	8.13	34.58	42.35	59.76	60.12	68.20	-8.08 peak
3 *	5500.000	8.18	34.60	42.35	103.62	104.05	68.20	35.85 peak



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



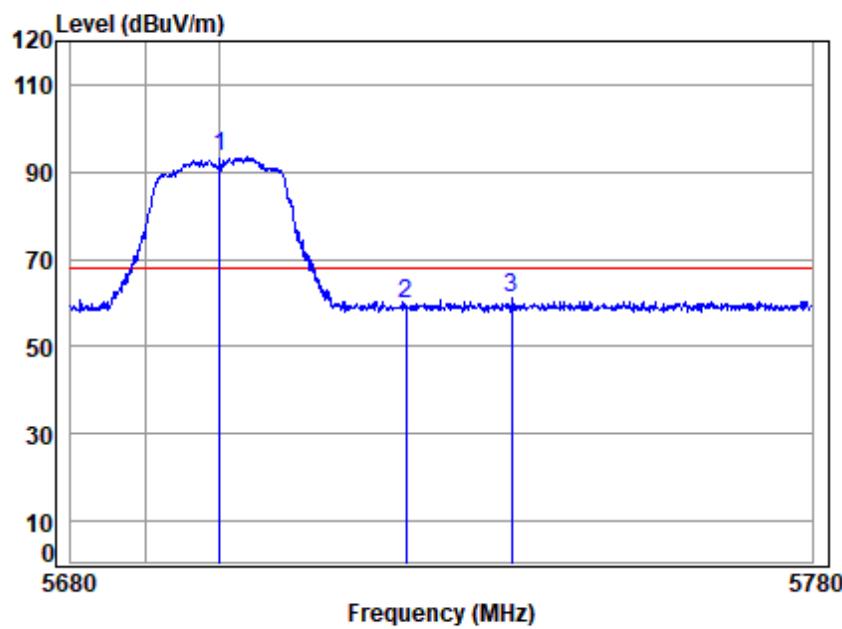
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5500 Band edge
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

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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

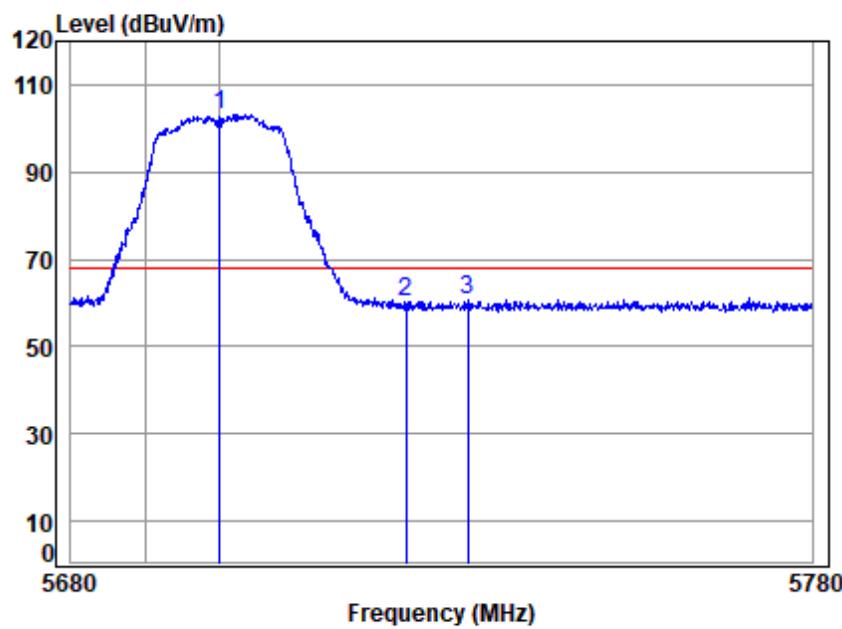
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Level	Line Level	Over Limit	Remark
				dB	dB/m	dB	dBuV	dBuV/m
1 * 5700.000	8.21	34.81	42.37	92.81	93.46	68.20	25.26	peak
2 5725.000	8.22	34.83	42.37	58.91	59.59	68.20	-8.61	peak
3 5739.290	8.22	34.84	42.38	60.55	61.23	68.20	-6.97	peak



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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

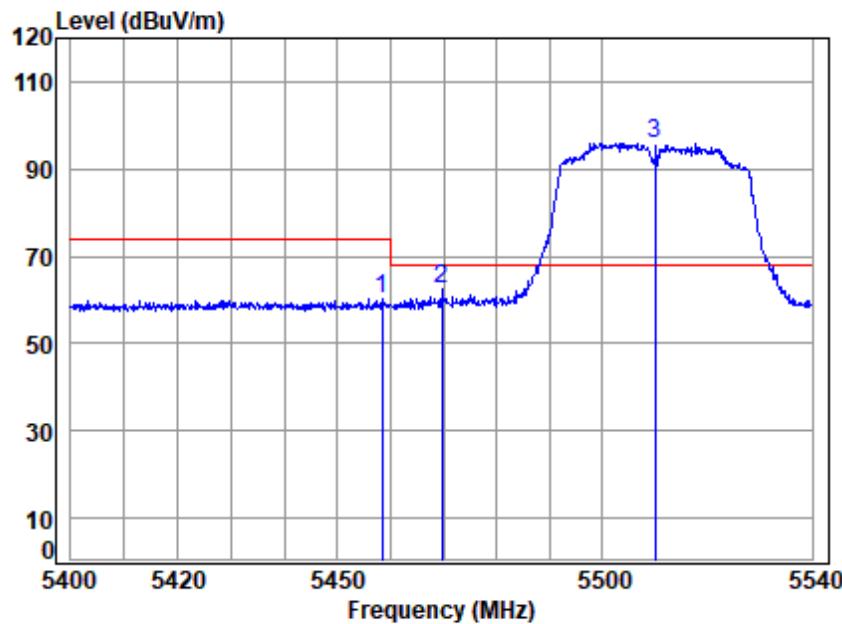
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	102.45	103.10	68.20	34.90	peak
2 5725.000	8.22	34.83	42.37	59.52	60.20	68.20	-8.00	peak
3 5733.283	8.22	34.84	42.38	59.95	60.63	68.20	-7.57	peak



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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	Limit Level	Line Limit	Over 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



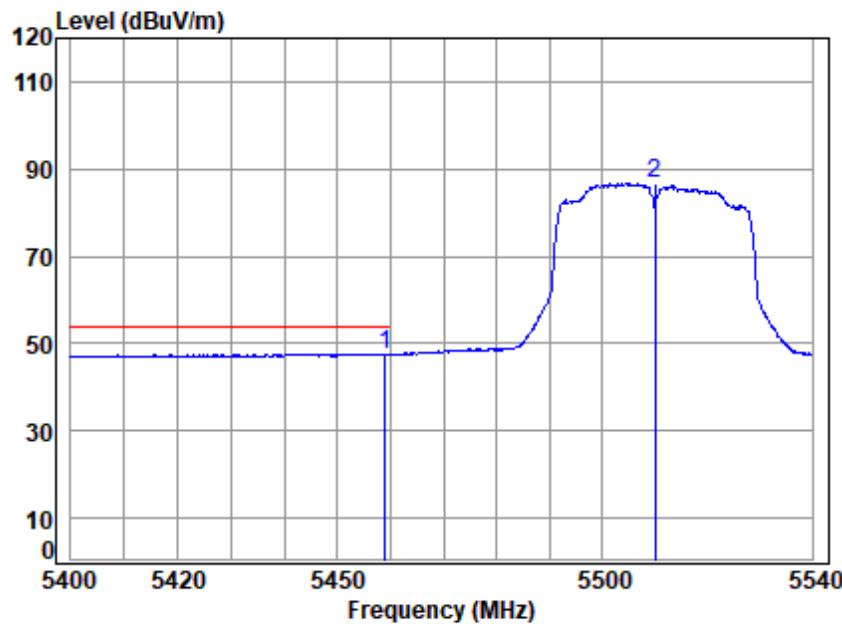
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Test Mode: 25; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



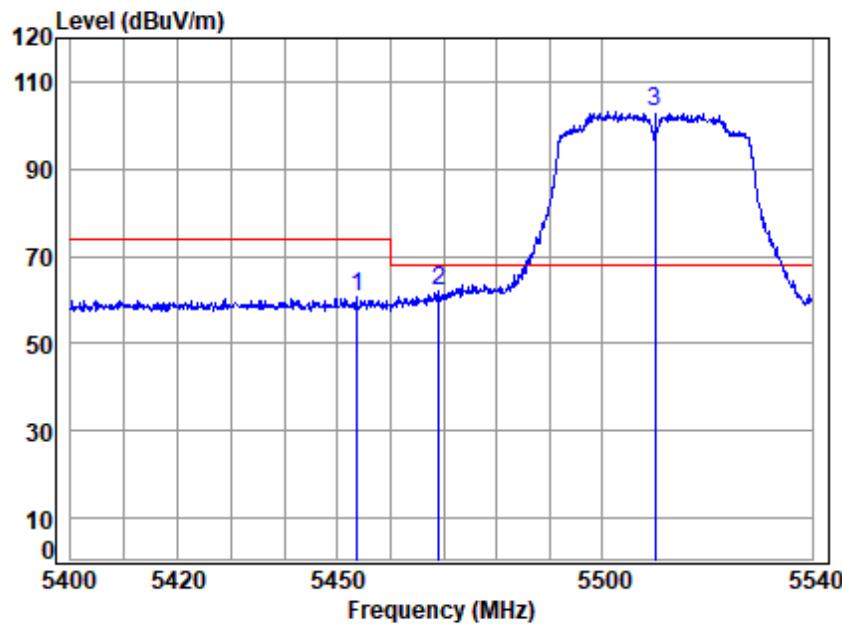
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5510 Band edge
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit 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

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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

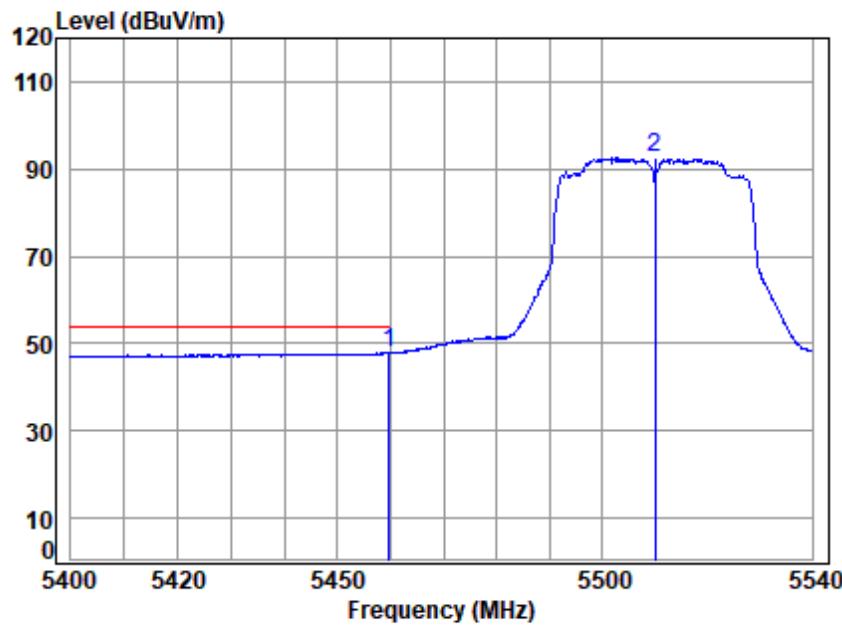
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5453.616	8.10	34.56	42.35	60.22	60.53	74.00	-13.47 peak
2	5469.132	8.13	34.58	42.35	61.68	62.04	68.20	-6.16 peak
3 *	5510.000	8.18	34.61	42.35	102.65	103.09	68.20	34.89 peak



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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

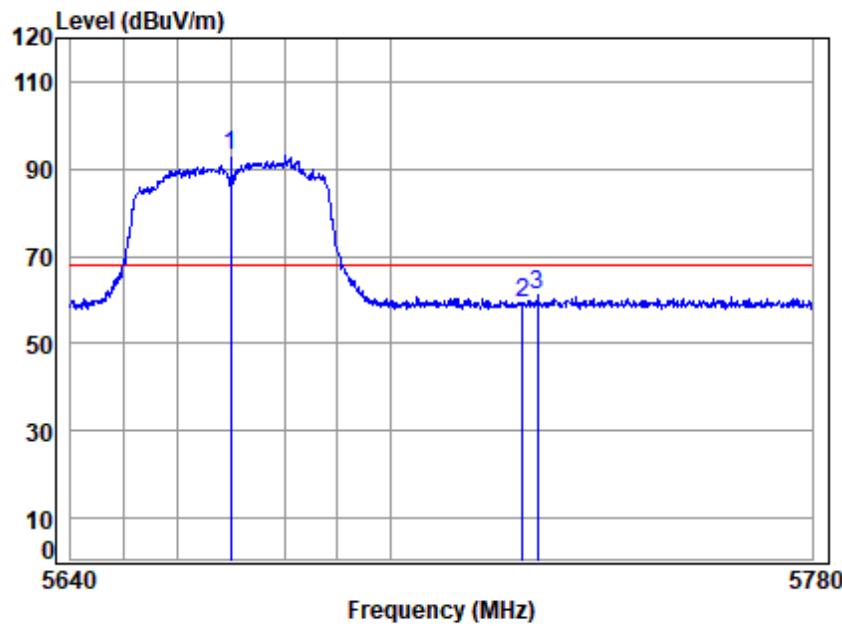
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5459.761	8.11	34.57	42.35	47.47	47.80	54.00	-6.20	Average
2	5510.000	8.18	34.61	42.35	92.08	92.52	-----	-----	Average



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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

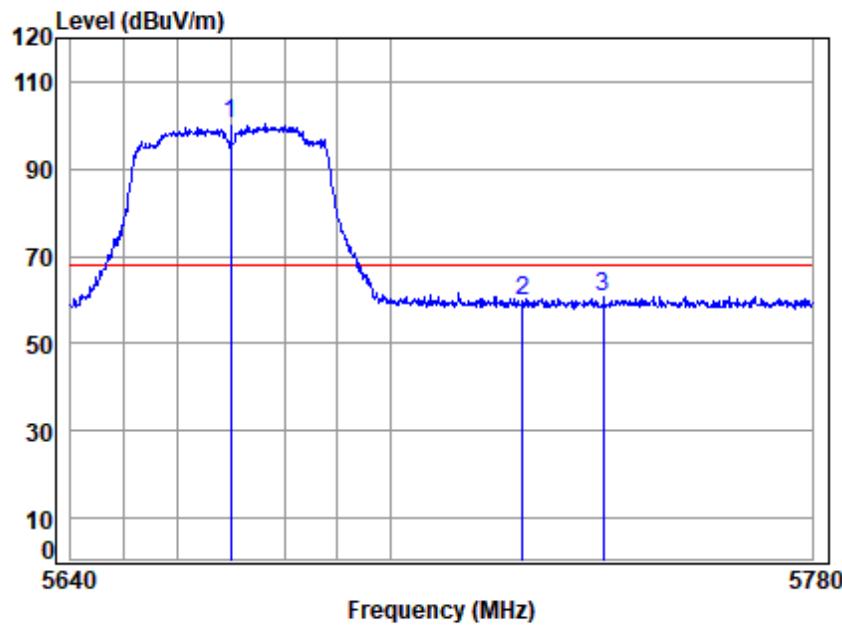
Freq	Cable	Ant	Preamp	Read	Limit	Over	Over	Remark
	Loss	Factor	Factor	Level				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5670.000	8.21	34.77	42.37	92.39	93.00	68.20	24.80	peak
2 5725.000	8.22	34.83	42.37	58.77	59.45	68.20	-8.75	peak
3 5727.659	8.22	34.83	42.37	60.36	61.04	68.20	-7.16	peak

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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

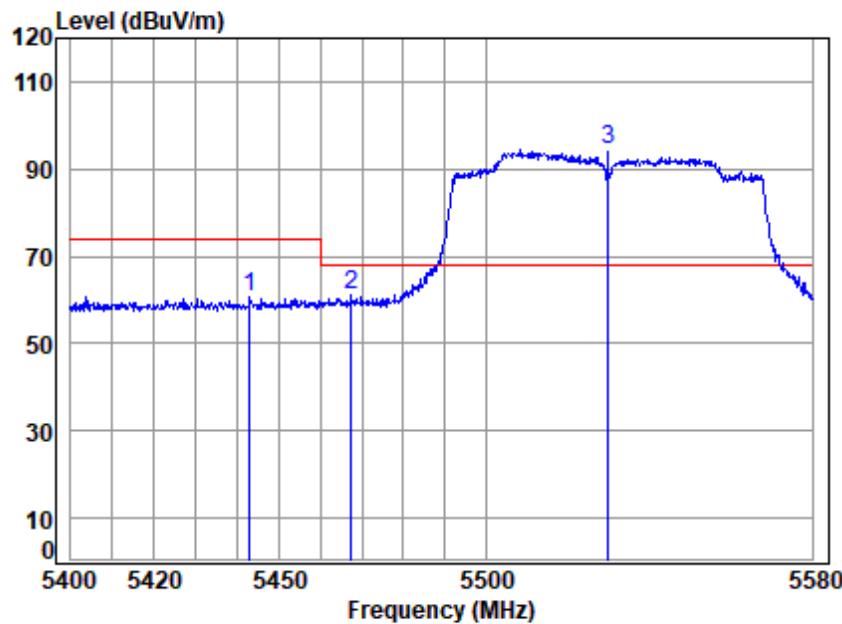
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	99.63	100.24	68.20	32.04	peak
2 5725.000	8.22	34.83	42.37	58.87	59.55	68.20	-8.65	peak
3 5740.313	8.22	34.85	42.38	60.07	60.76	68.20	-7.44	peak

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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

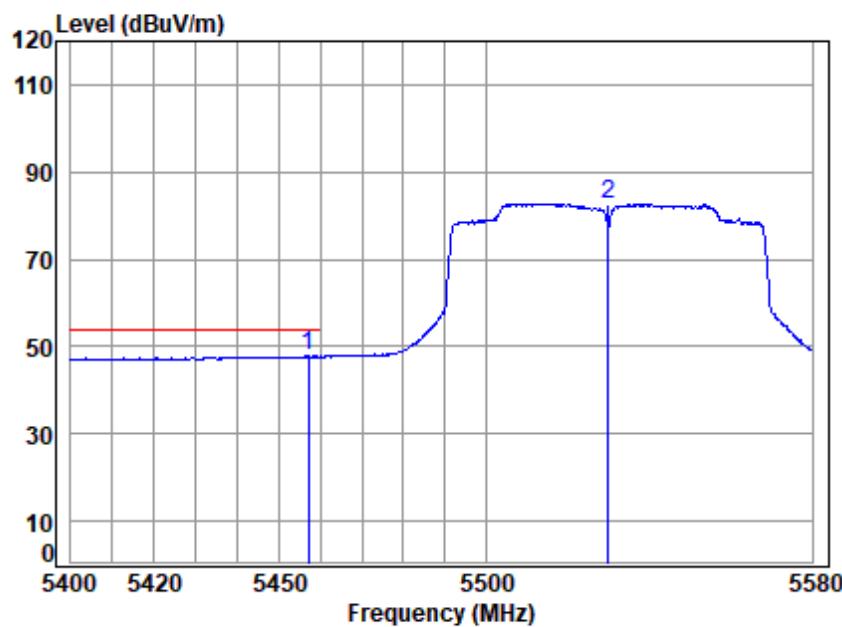
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5442.842	8.08	34.56	42.35	60.27	60.56	74.00	-13.44 peak
2	5467.347	8.13	34.58	42.35	60.62	60.98	68.20	-7.22 peak
3 *	5530.000	8.19	34.63	42.36	93.96	94.42	68.20	26.22 peak



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



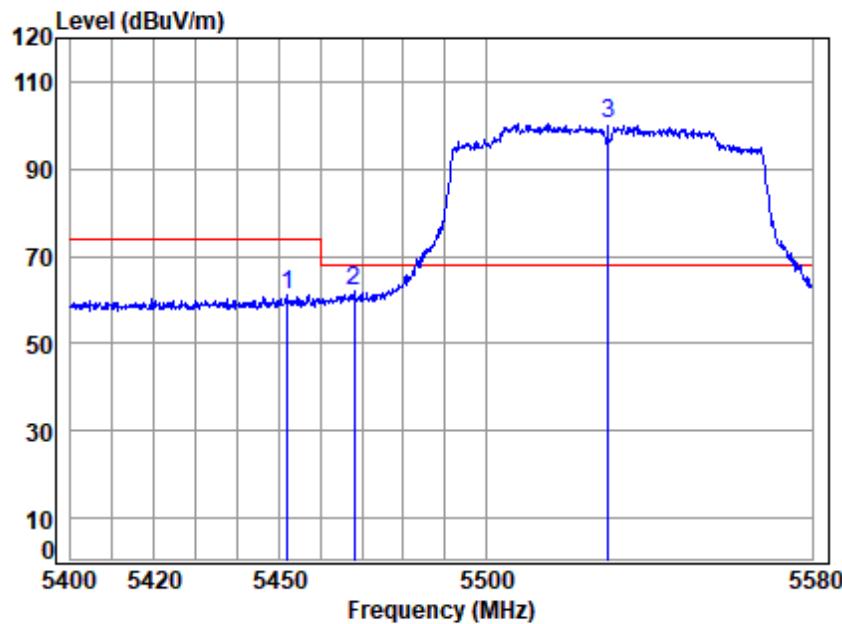
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5530 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

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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

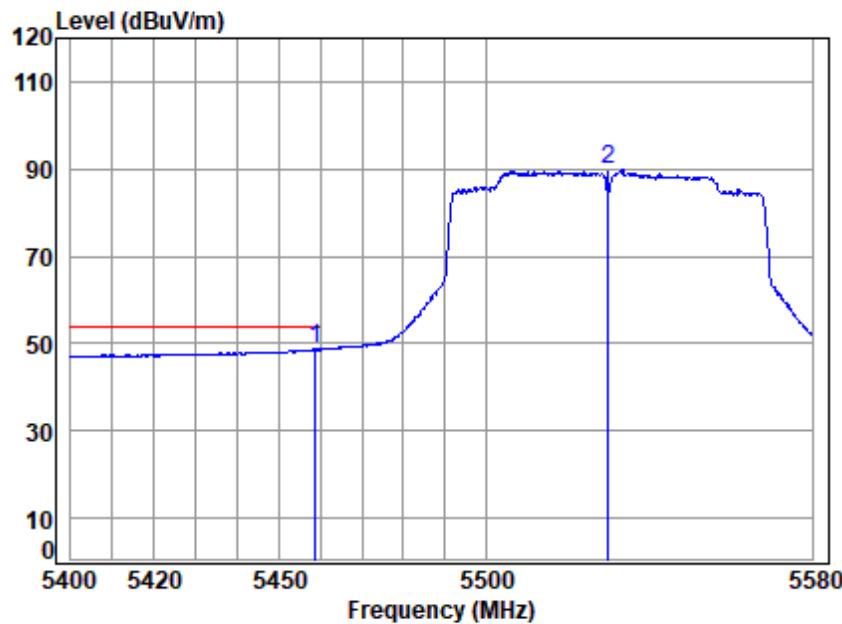
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5451.951	8.10	34.56	42.35	60.78	61.09	74.00	-12.91 peak
2	5468.064	8.13	34.58	42.35	61.63	61.99	68.20	-6.21 peak
3 *	5530.000	8.19	34.63	42.36	99.83	100.29	68.20	32.09 peak



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



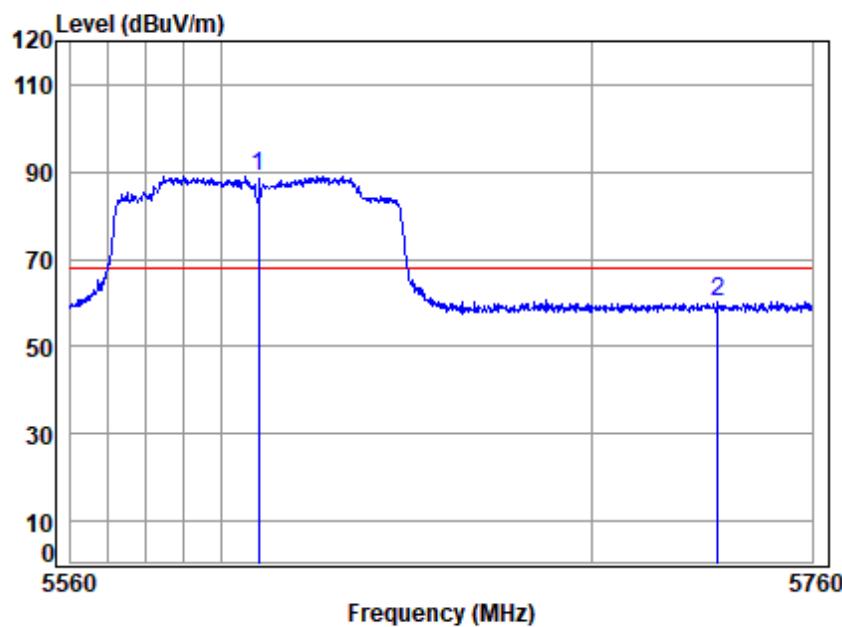
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5530 Band edge
: 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

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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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
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

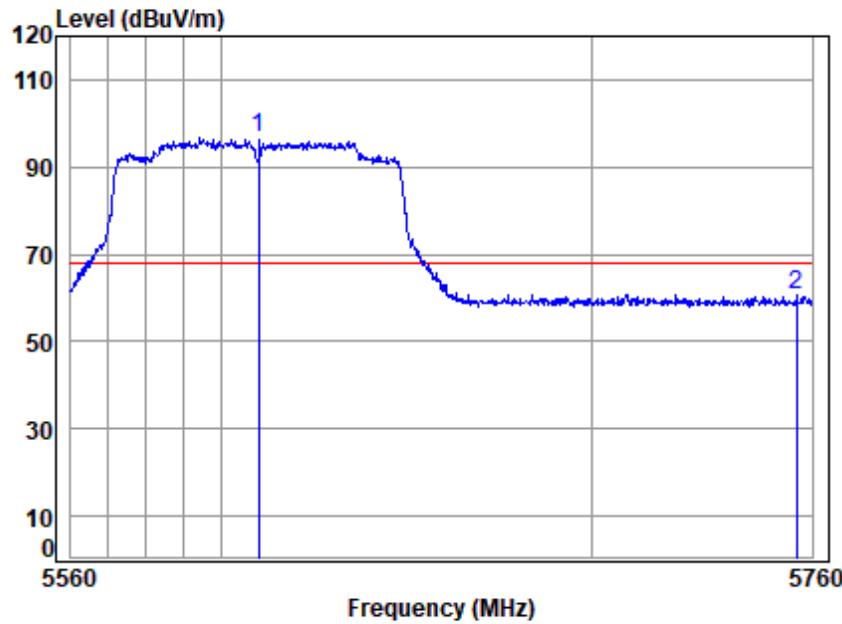


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Shenzhen Branch Inspection & Testing Services Laboratory

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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

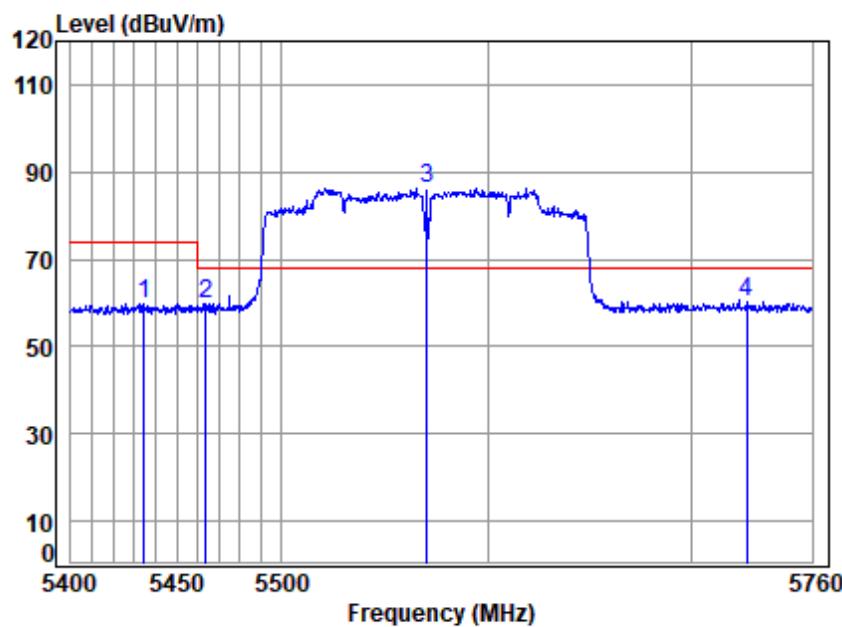
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5610.000	8.20	34.71	42.36	96.13	96.68	68.20	28.48	peak
2 5755.727	8.22	34.86	42.38	59.85	60.55	68.20	-7.65	peak



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



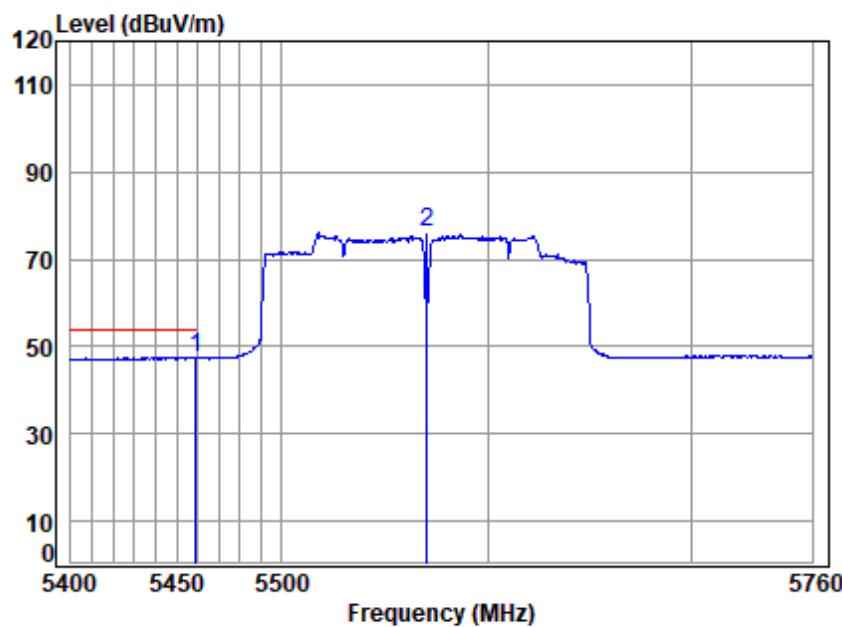
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5570 Band edge
: 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over 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

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



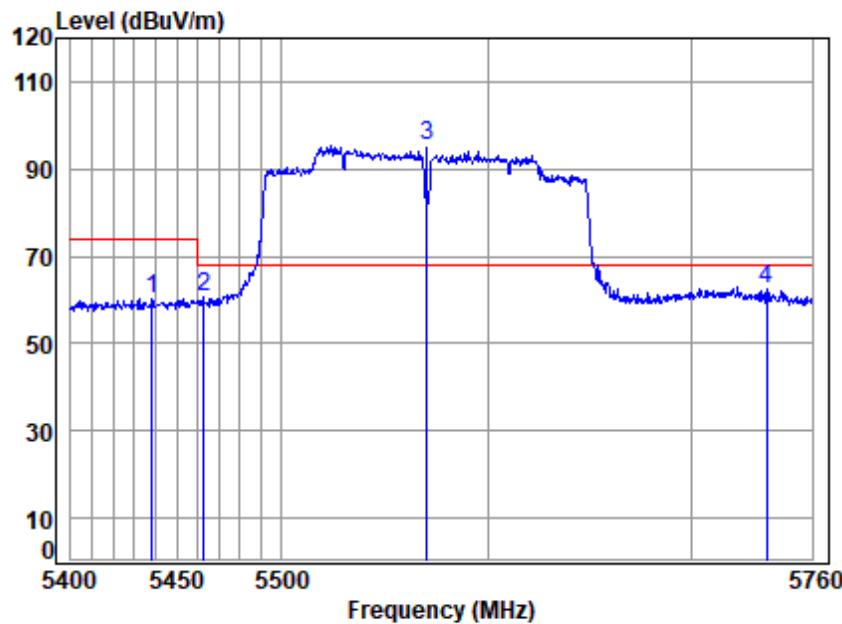
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5570 Band edge
: 5G WIFI 11AC160

	Cable Freq	Loss dB	Ant Factor	Preamp Factor	Read Level dB	Limit Level dBuV	Limit Line dBuV/m	Over Limit dB	Over Limit Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m		
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

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



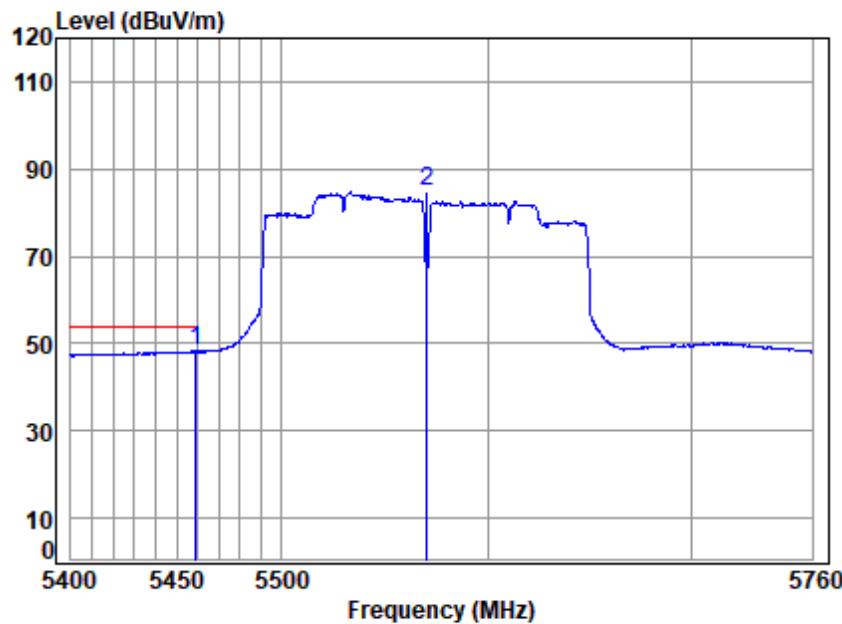
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5570 Band edge
: 5G WIFI 11AC160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
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

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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

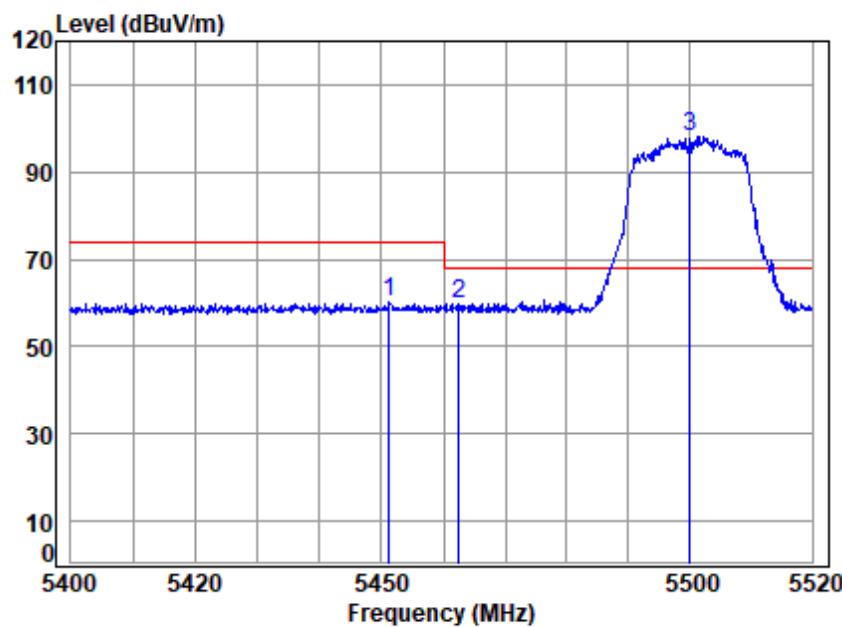
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5459.220	8.11	34.57	42.35	48.05	48.38	54.00	-5.62 Average
2	5570.000	8.19	34.67	42.36	84.25	84.75	-----	----- Average



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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

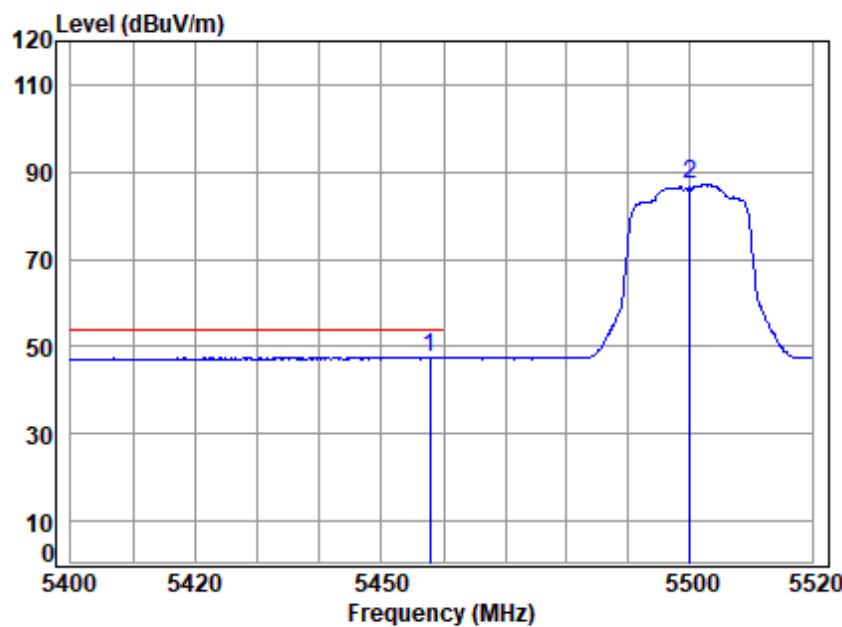
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5451.277	8.10	34.56	42.35	59.70	60.01	74.00	-13.99 peak
2	5462.551	8.12	34.57	42.35	59.54	59.88	68.20	-8.32 peak
3 *	5500.000	8.18	34.60	42.35	97.79	98.22	68.20	30.02 peak



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



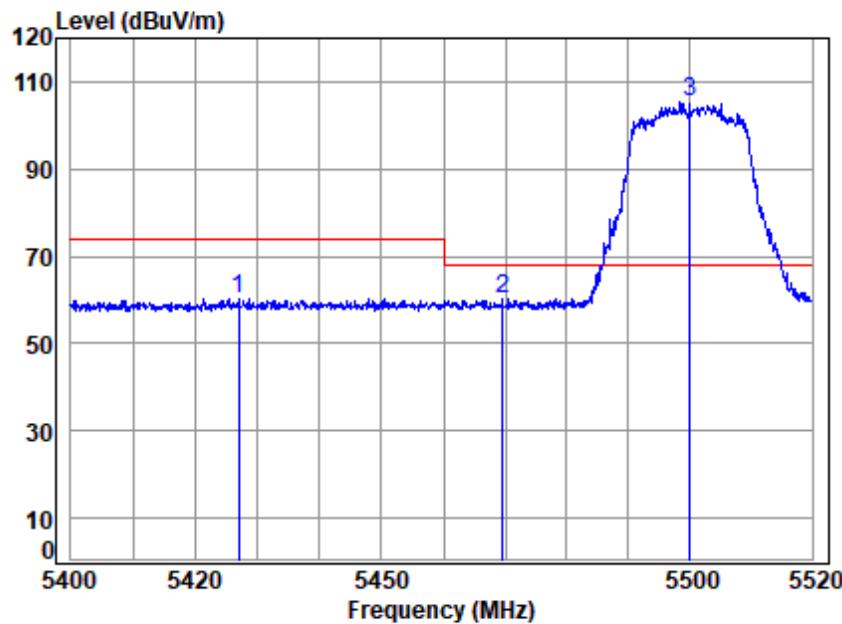
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5500 Band edge
: 5G WIFI 11AX20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit 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

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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

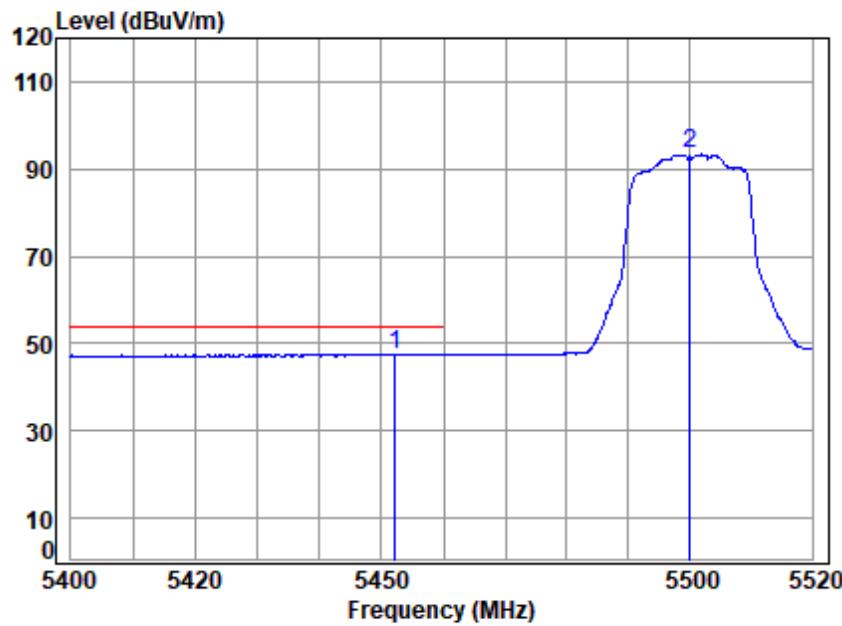
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5426.890	8.06	34.54	42.34	59.96	60.22	74.00	-13.78	peak
2	5469.519	8.13	34.58	42.35	59.68	60.04	68.20	-8.16	peak
3 *	5500.000	8.18	34.60	42.35	104.83	105.26	68.20	37.06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



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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

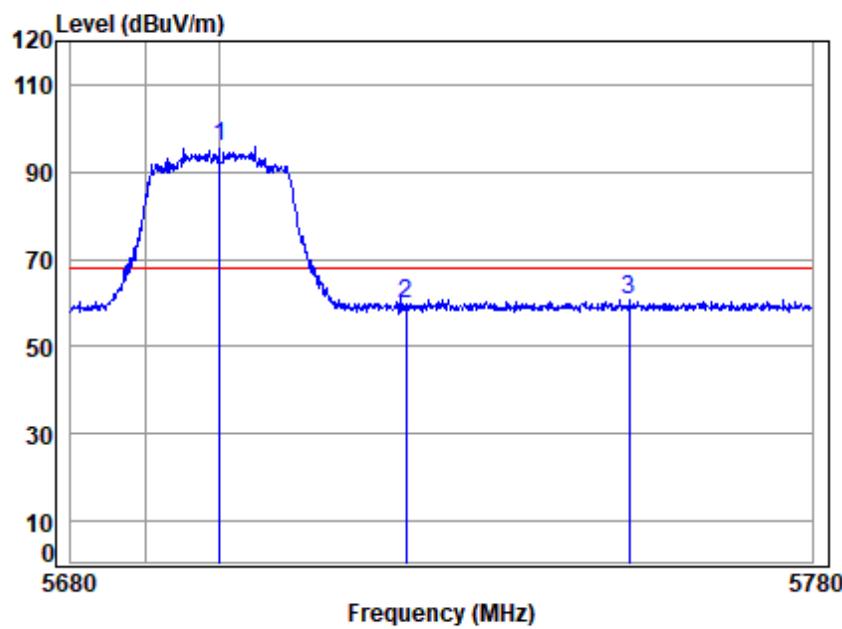
	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5452.235	8.10	34.56	42.35	47.24	47.55	54.00	-6.45 Average
2	5500.000	8.18	34.60	42.35	92.89	93.32	-----	----- Average



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



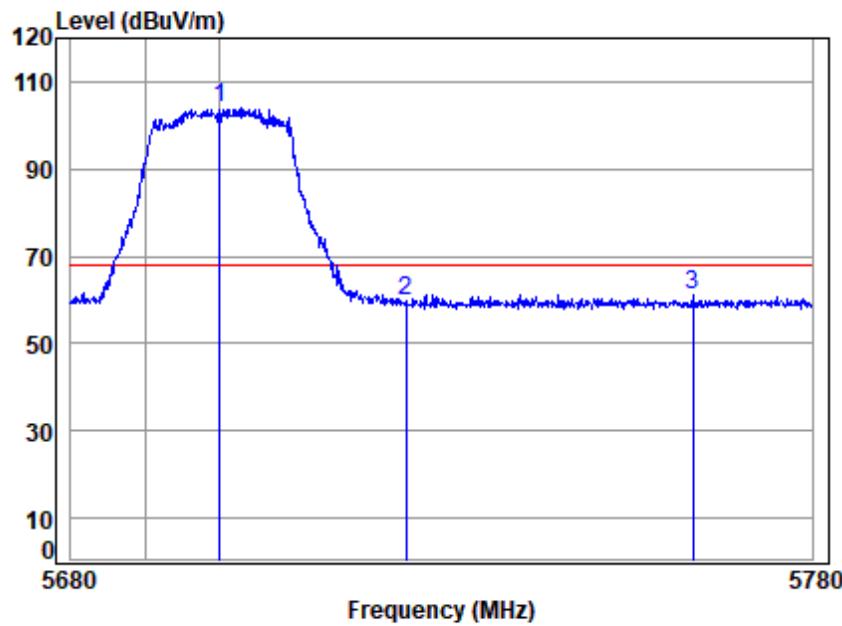
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5700 Band edge
: 5G WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
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



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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

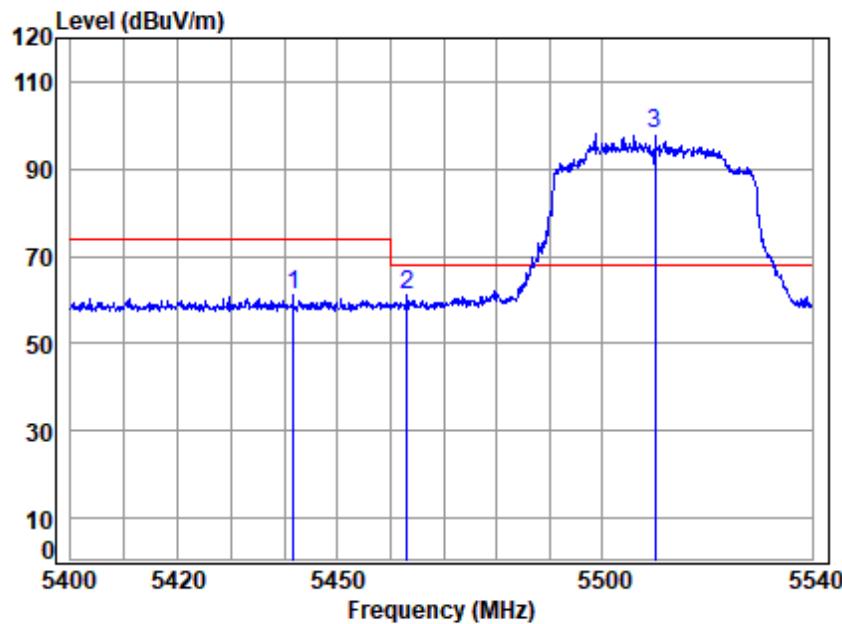
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m		dB	dBuV	dBuV/m	
1 * 5700.000	8.21	34.81	42.37	103.55	104.20	68.20	36.00 peak
2 5725.000	8.22	34.83	42.37	59.16	59.84	68.20	-8.36 peak
3 5763.782	8.22	34.87	42.38	60.48	61.19	68.20	-7.01 peak



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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

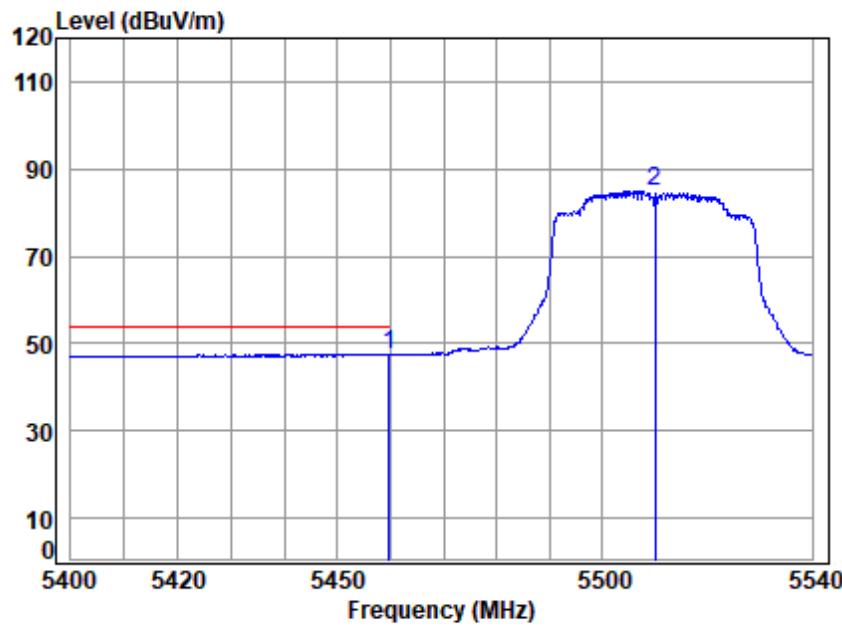
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5441.625	8.08	34.56	42.35	60.66	60.95	74.00	-13.05 peak
2	5463.116	8.12	34.57	42.35	60.67	61.01	68.20	-7.19 peak
3 *	5510.000	8.18	34.61	42.35	97.63	98.07	68.20	29.87 peak



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



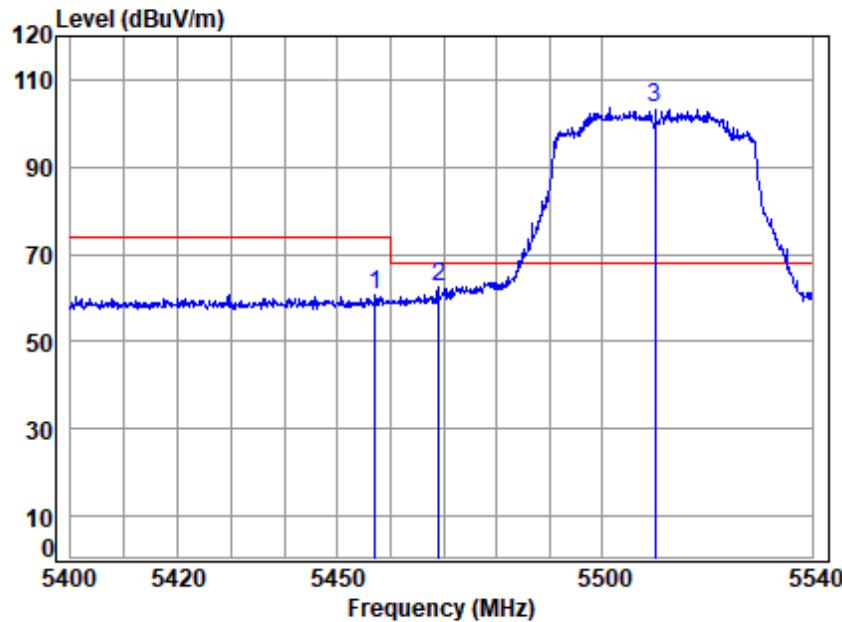
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5510 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit 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

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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

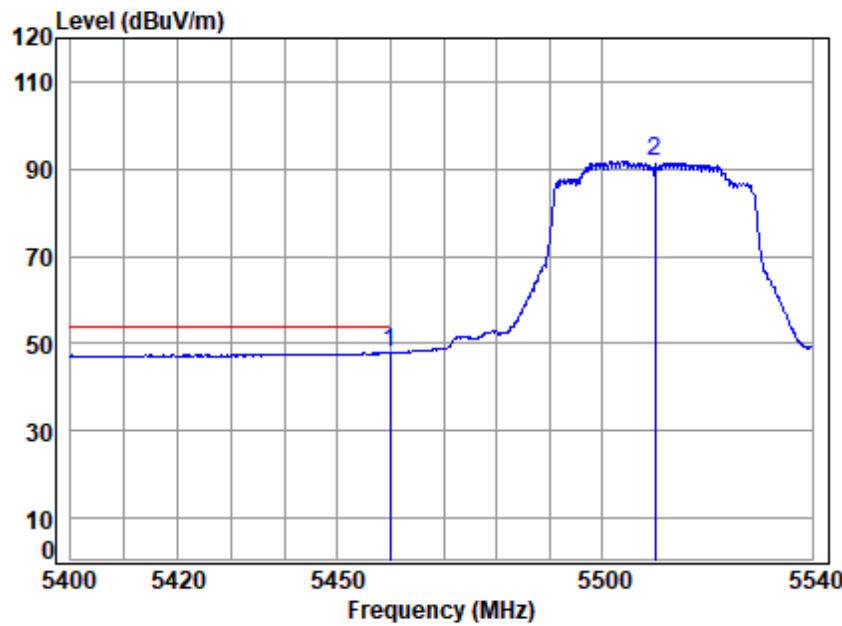
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5456.967	8.11	34.57	42.35	60.53	60.86	74.00	-13.14 peak
2	5468.992	8.13	34.58	42.35	62.03	62.39	68.20	-5.81 peak
3 *	5510.000	8.18	34.61	42.35	103.04	103.48	68.20	35.28 peak



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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

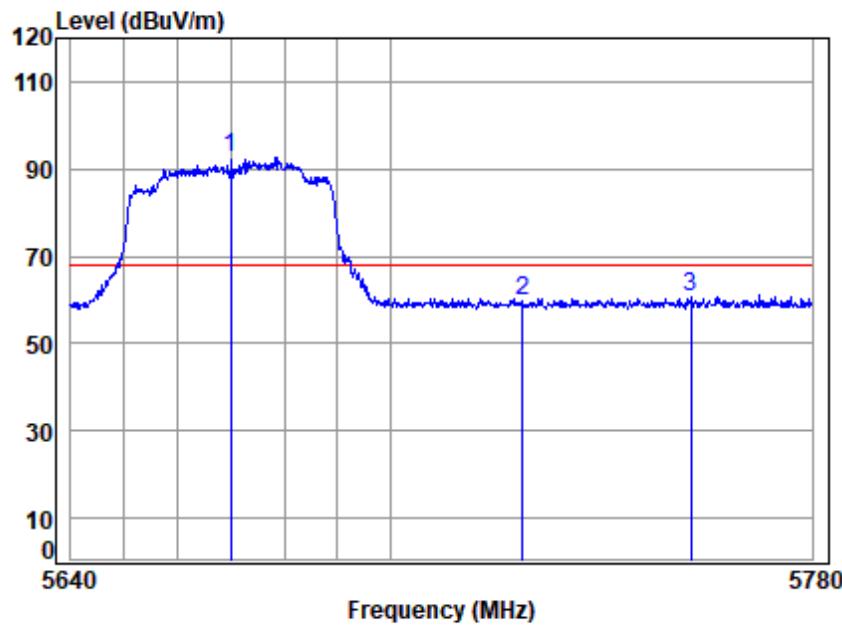
Mode : 5510 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	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	Average
2	5510.000	8.18	34.61	42.35	91.40	91.84	-----	-----	Average

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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

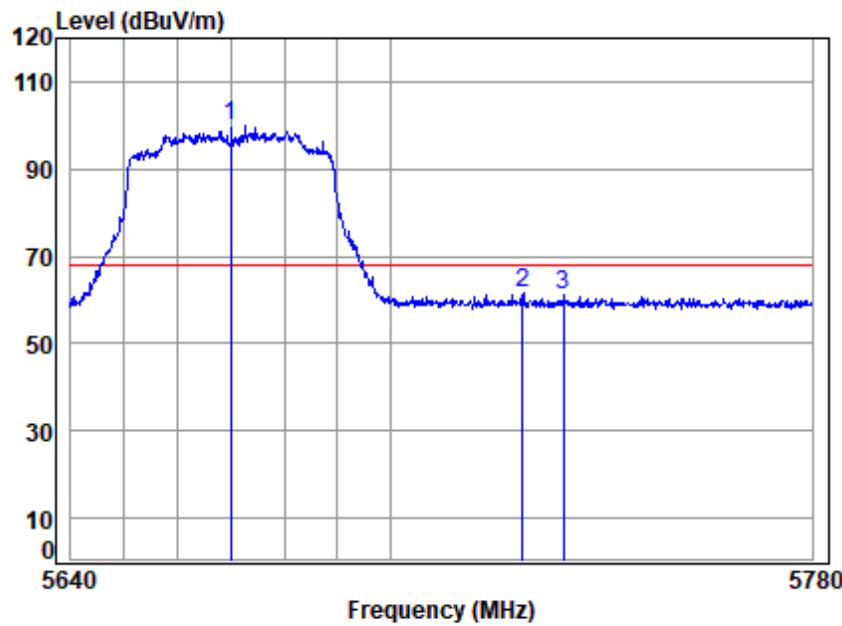
Freq	Cable	Ant	Preamp	Read	Limit	Over	Over	Remark
	Loss	Factor	Factor	Level				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5670.000	8.21	34.77	42.37	91.96	92.57	68.20	24.37	peak
2 5725.000	8.22	34.83	42.37	58.97	59.65	68.20	-8.55	peak
3 5756.804	8.22	34.86	42.38	59.94	60.64	68.20	-7.56	peak

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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

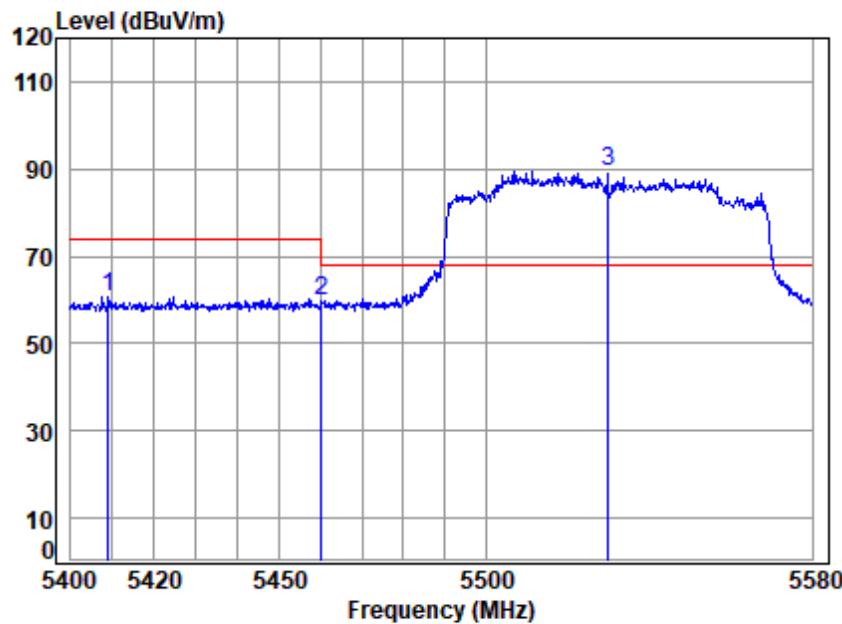
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	99.45	100.06	68.20	31.86	peak
2 5725.000	8.22	34.83	42.37	60.79	61.47	68.20	-6.73	peak
3 5732.577	8.22	34.84	42.37	60.29	60.98	68.20	-7.22	peak



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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

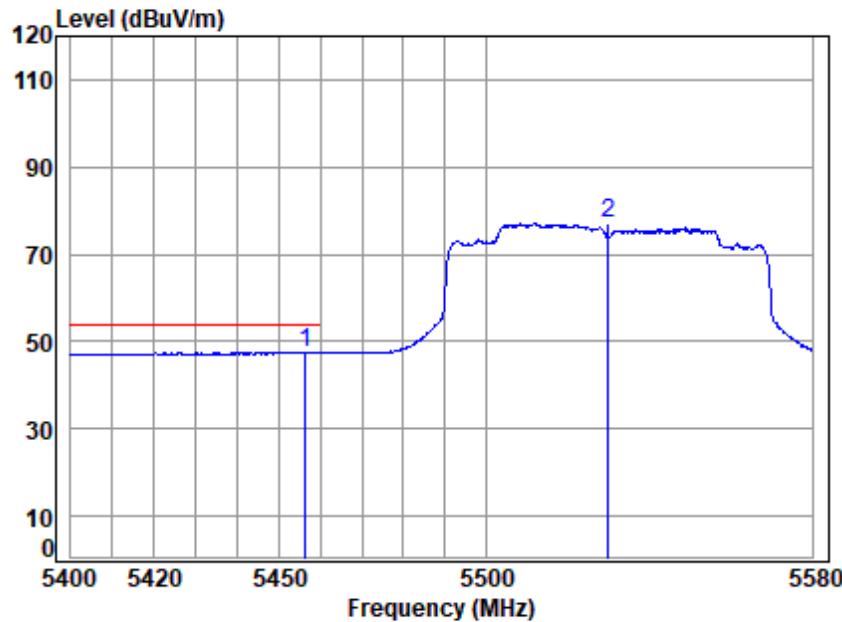
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5409.038	8.03	34.53	42.34	60.55	60.77	74.00	-13.23	peak
2	5460.181	8.11	34.57	42.35	59.55	59.88	68.20	-8.32	peak
3 *	5530.000	8.19	34.63	42.36	88.88	89.34	68.20	21.14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



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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	Limit 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

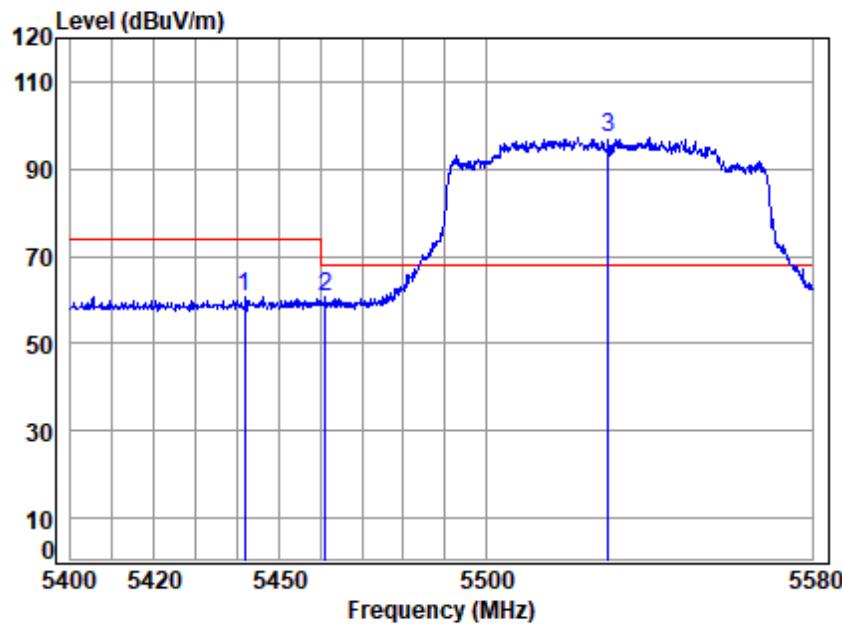


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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

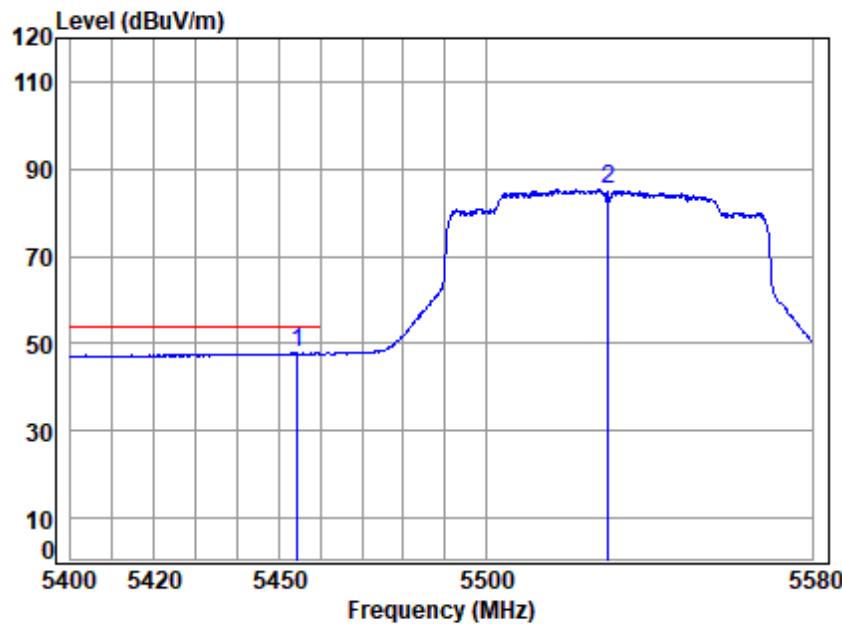
Mode : 5530 Band edge
: 5G WIFI 11AX80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over 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

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



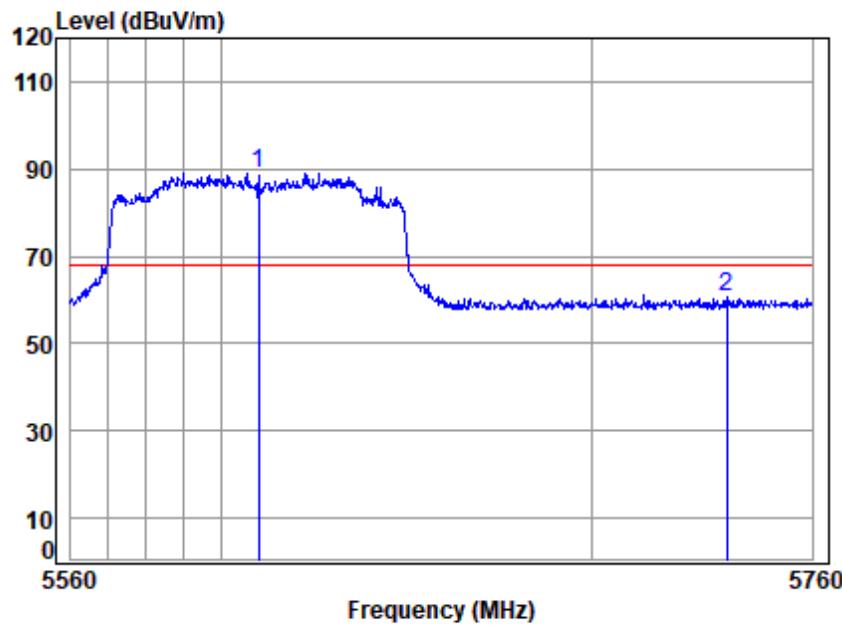
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5530 Band edge
: 5G WIFI 11AX80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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



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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

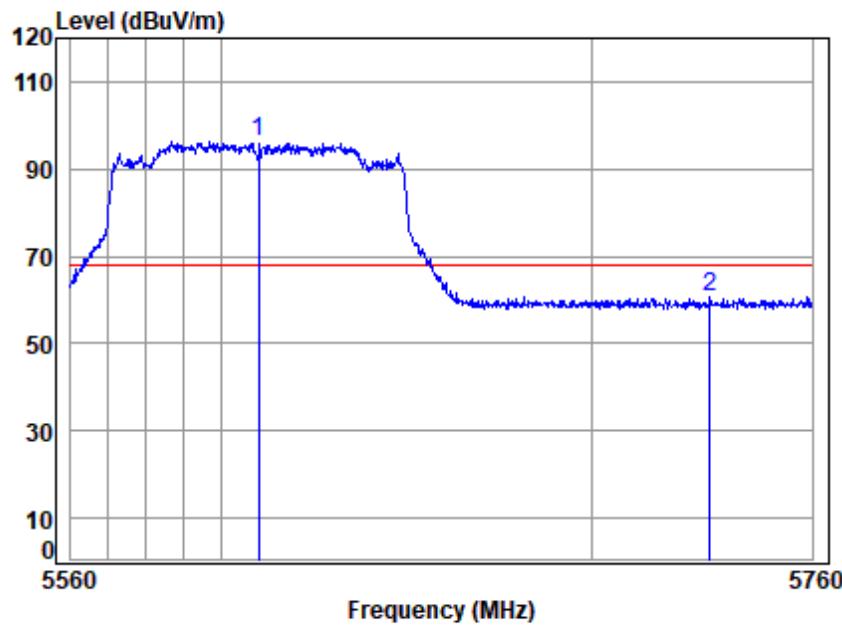
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5610.000	8.20	34.71	42.36	88.45	89.00	68.20	20.80	peak
2 5736.639	8.22	34.84	42.38	60.05	60.73	68.20	-7.47	peak



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



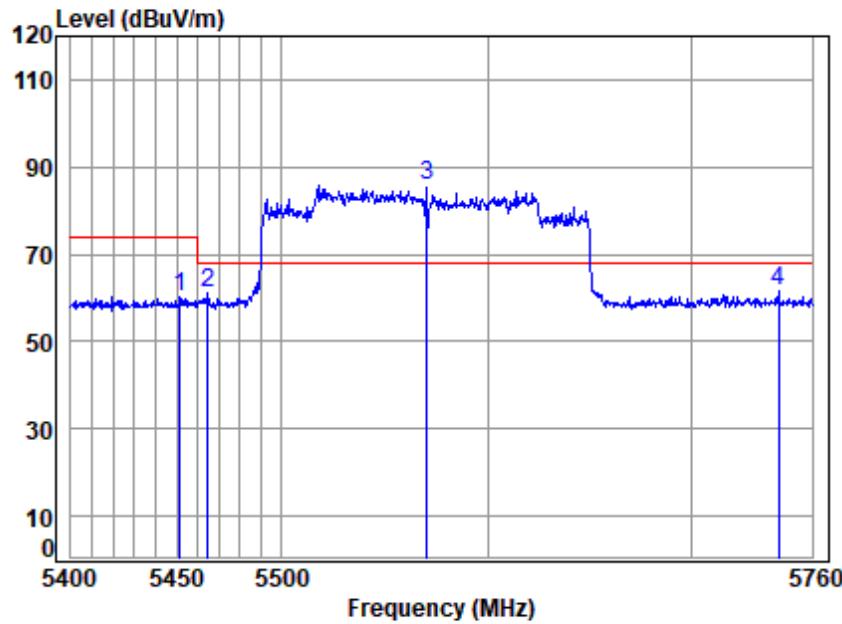
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5610 Band e
: 5G WIFI 11AX

Freq	Cable	Ant	Preamp	Read	Limit	Over			
	Loss	Factor	Factor	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

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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

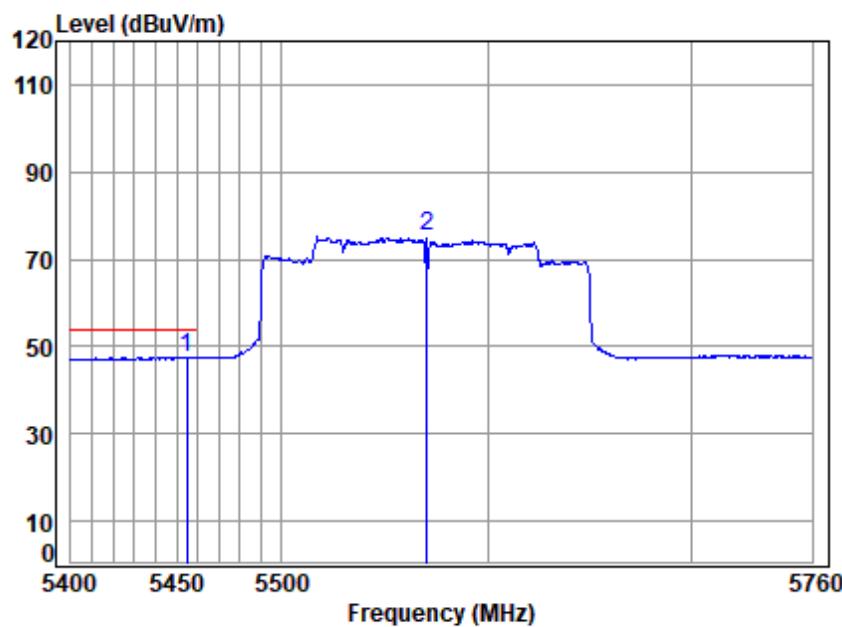
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5451.475	8.10	34.56	42.35	59.98	60.29	74.00	-13.71 peak
2 5464.860	8.12	34.57	42.35	60.94	61.28	68.20	-6.92 peak
3 * 5570.000	8.19	34.67	42.36	85.23	85.73	68.20	17.53 peak
4 5743.296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



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



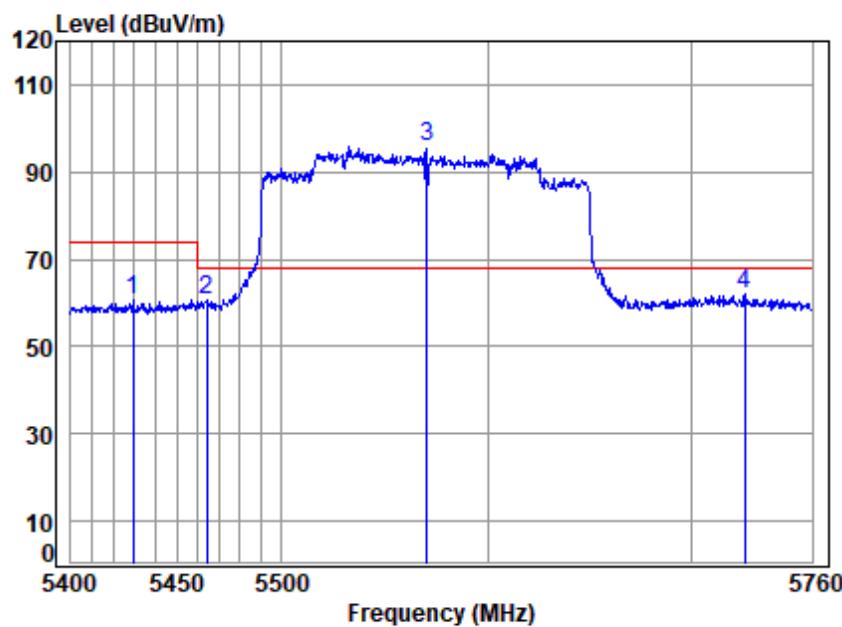
Site : chamber
Condition: 3m HORIZONTAL
Job No : 02179CR
Mode : 5570 Band edge
: 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit 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

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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

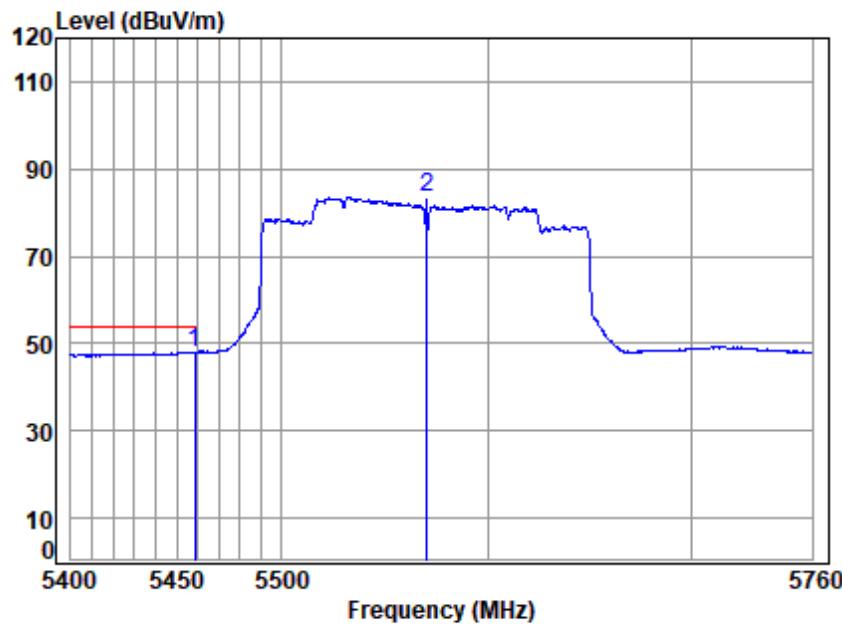
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	5429.354	8.06	34.55	42.35	60.55	60.81	74.00 -13.19 peak
2	5464.155	8.12	34.57	42.35	60.20	60.54	68.20 -7.66 peak
3 *	5570.000	8.19	34.67	42.36	95.19	95.69	68.20 27.49 peak
4	5726.271	8.22	34.83	42.37	61.48	62.16	68.20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



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



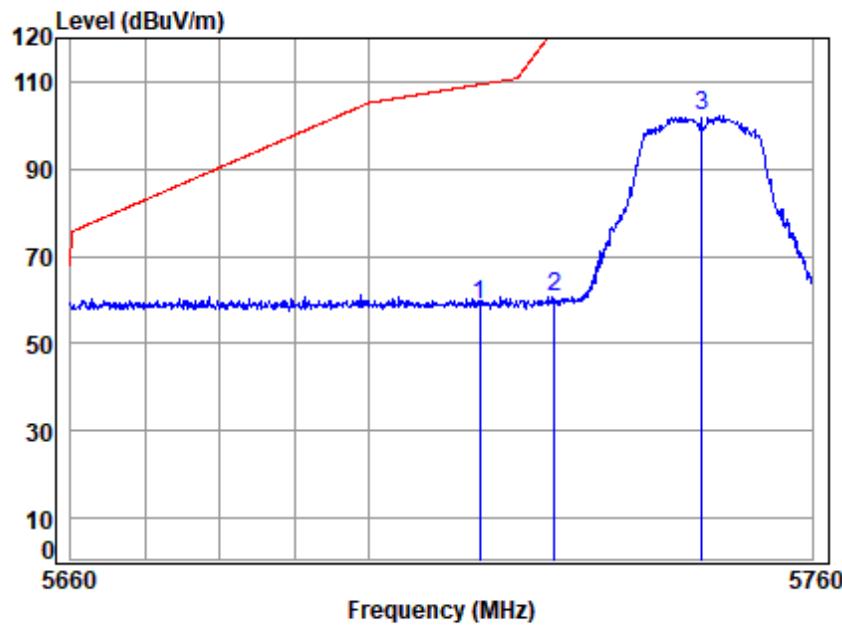
Site : chamber
Condition: 3m VERTICAL
Job No : 02179CR
Mode : 5570 Band edge
: 5G WIFI 11AX160

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

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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

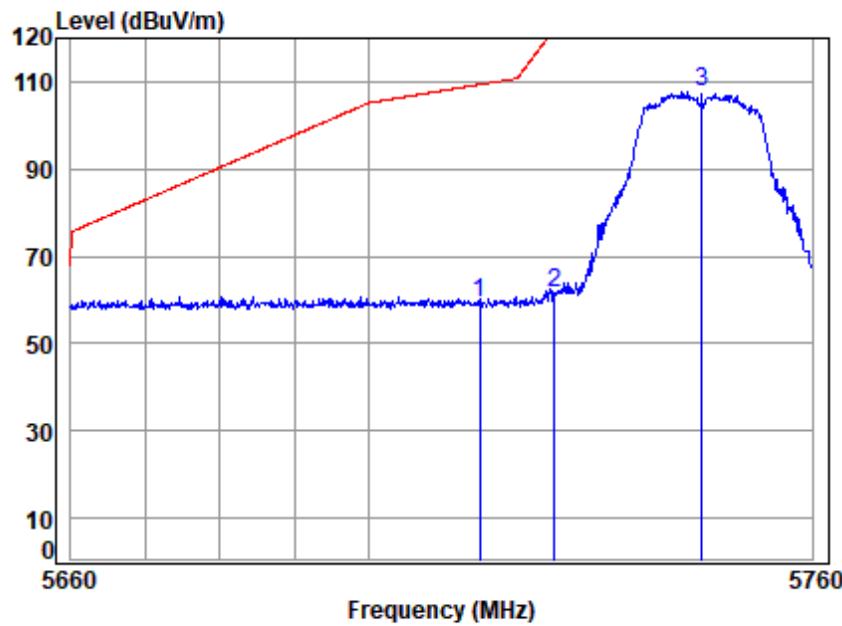
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5715.000	8.22	34.82	42.37	58.08	58.75	109.40	-50.65 peak
2 5725.000	8.22	34.83	42.37	60.04	60.72	122.20	-61.48 peak
3 5745.000	8.22	34.85	42.38	101.68	102.37	125.20	-22.83 peak



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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

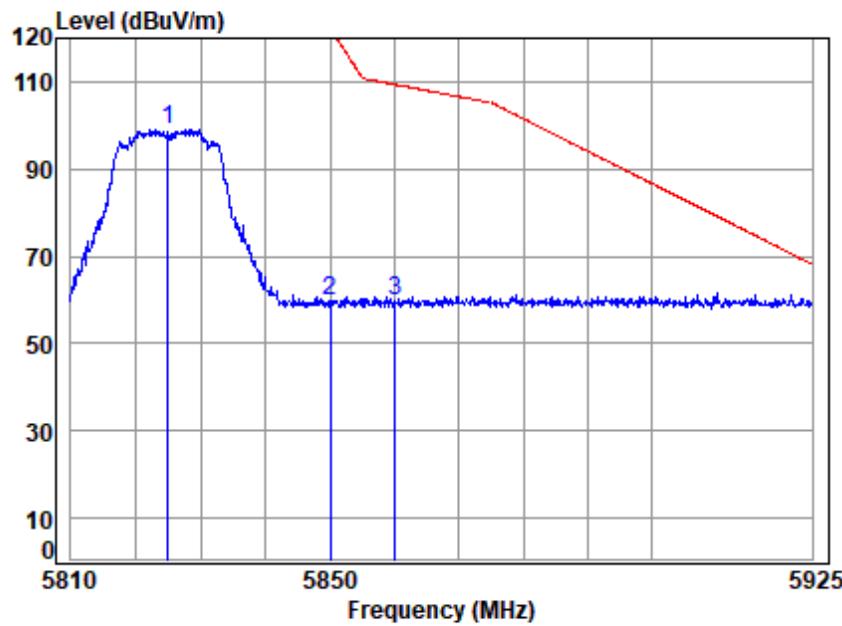
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.43	59.10	109.40	-50.30 peak
2	5725.000	8.22	34.83	42.37	61.03	61.71	122.20	-60.49 peak
3	5745.000	8.22	34.85	42.38	106.89	107.58	125.20	-17.62 peak



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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

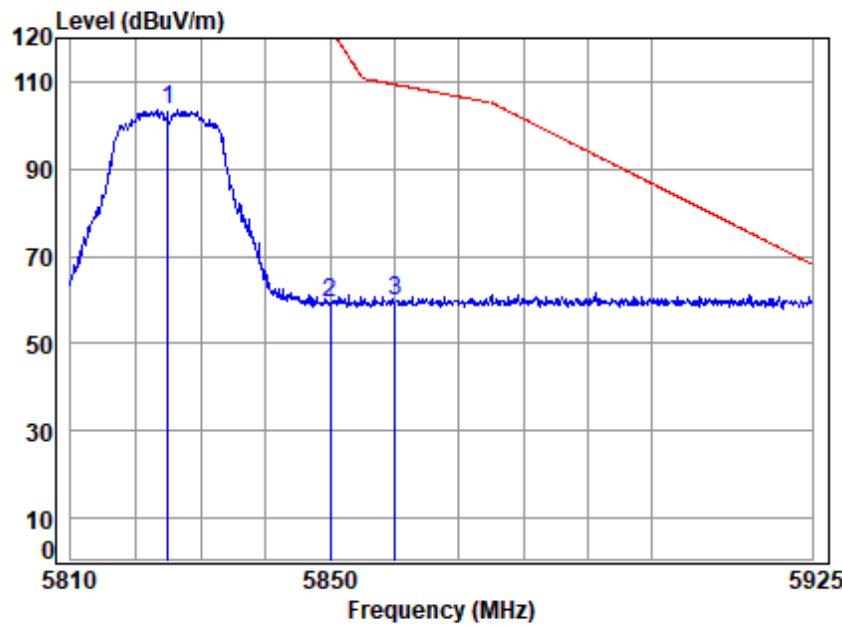
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	8.23	34.93	42.38	98.43	99.21	125.20	-25.99	peak
2	5850.000	8.24	34.95	42.39	59.00	59.80	122.20	-62.40	peak
3	5860.000	8.24	34.96	42.39	59.07	59.88	109.40	-49.52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



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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 Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over 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

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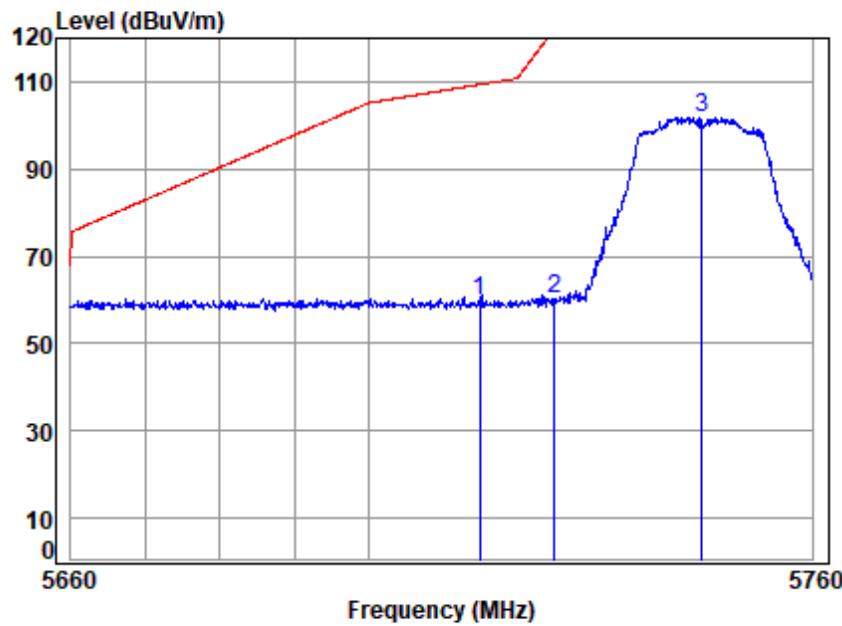
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Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



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

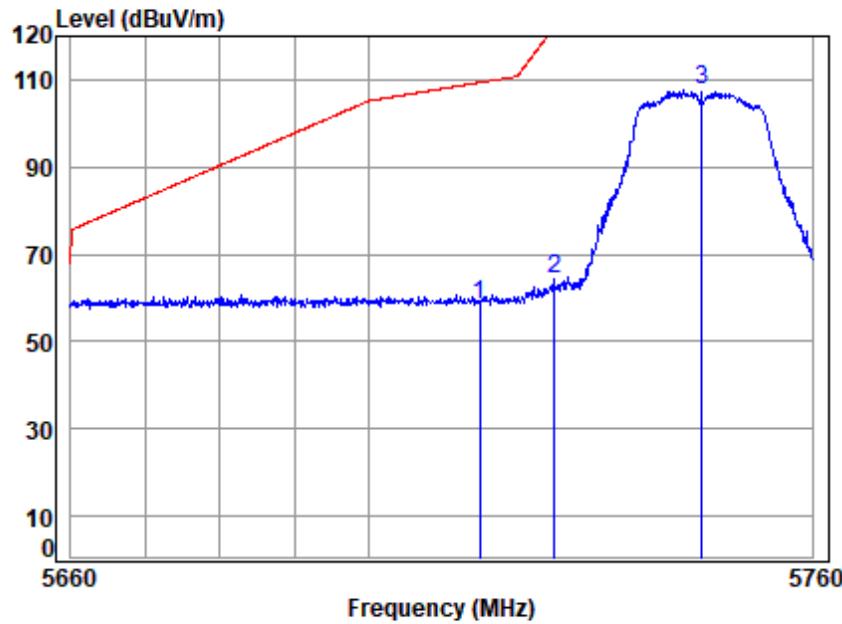
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5715.000	8.22	34.82	42.37	58.96	59.63	109.40	-49.77 peak
2 5725.000	8.22	34.83	42.37	59.47	60.15	122.20	-62.05 peak
3 5745.000	8.22	34.85	42.38	101.29	101.98	125.20	-23.22 peak



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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

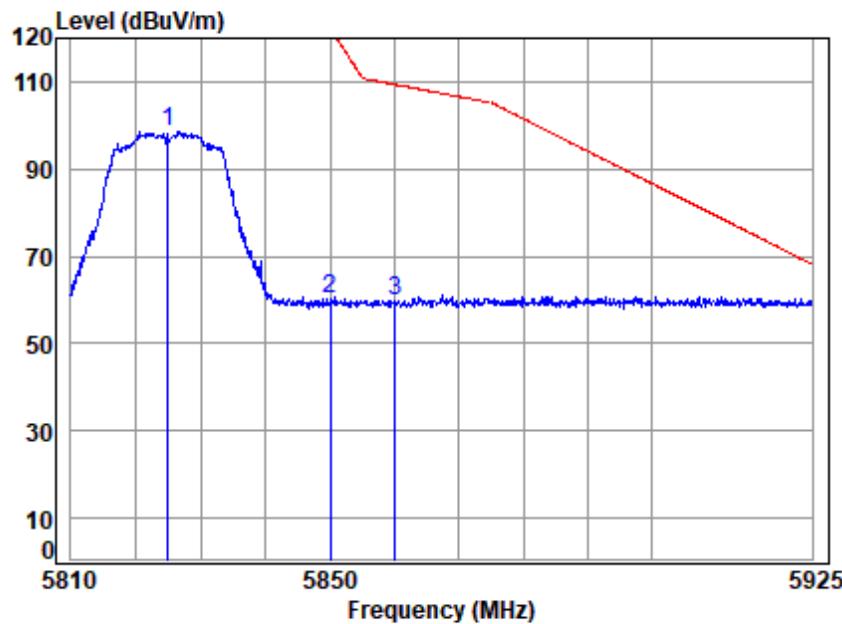
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	57.92	58.59	109.40	-50.81 peak
2	5725.000	8.22	34.83	42.37	63.44	64.12	122.20	-58.08 peak
3	5745.000	8.22	34.85	42.38	107.05	107.74	125.20	-17.46 peak



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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

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

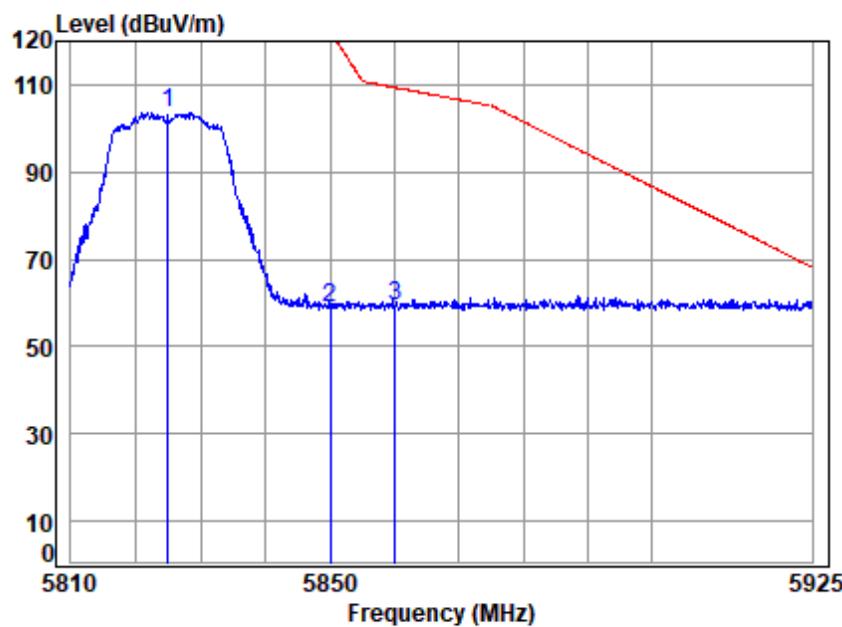
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Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
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

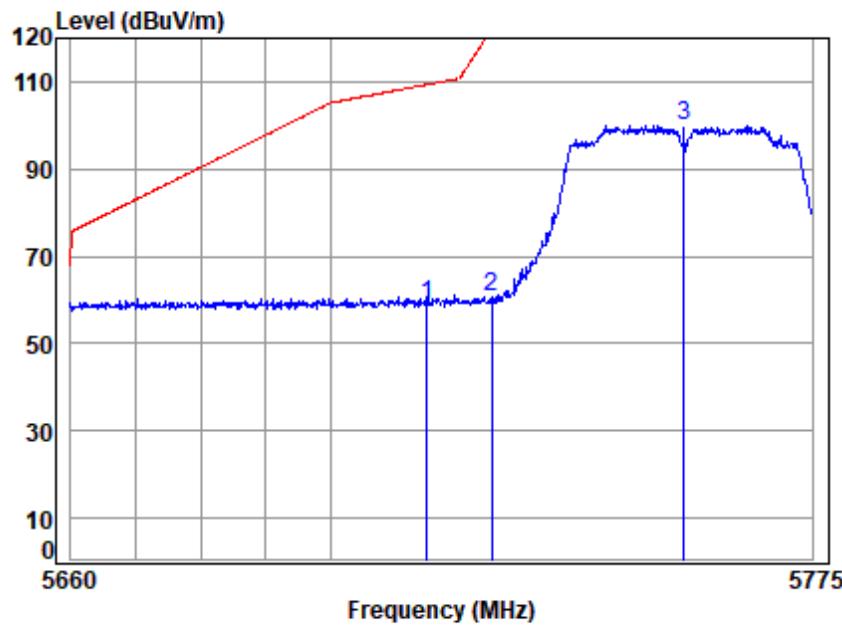
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Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



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

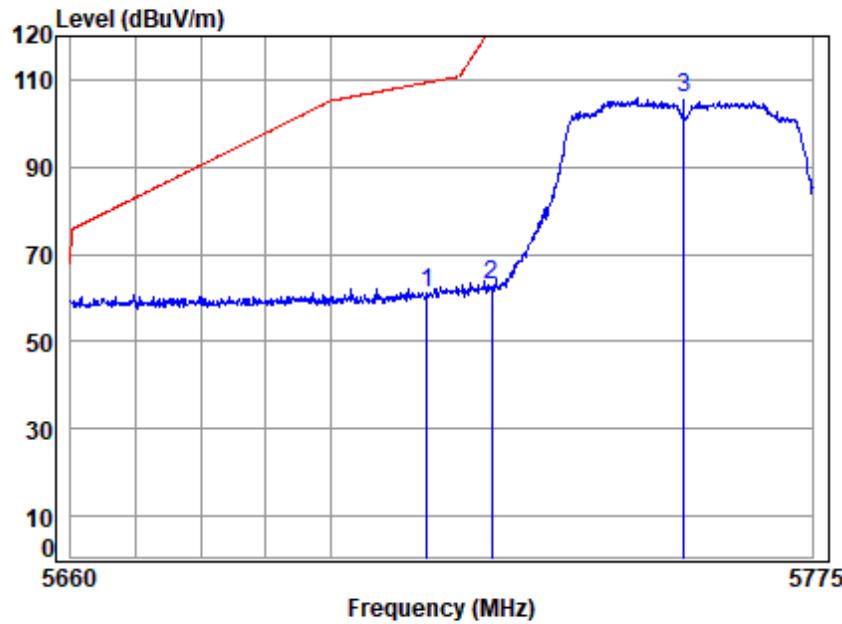
Freq	Cable	Ant	Preamp	Read	Limit	Over	Over	Remark
	Loss	Factor	Factor	Level				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5715.000	8.22	34.82	42.37	58.39	59.06	109.40	-50.34	peak
2 5725.000	8.22	34.83	42.37	60.07	60.75	122.20	-61.45	peak
3 5755.000	8.22	34.86	42.38	99.26	99.96	125.20	-25.24	peak



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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

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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



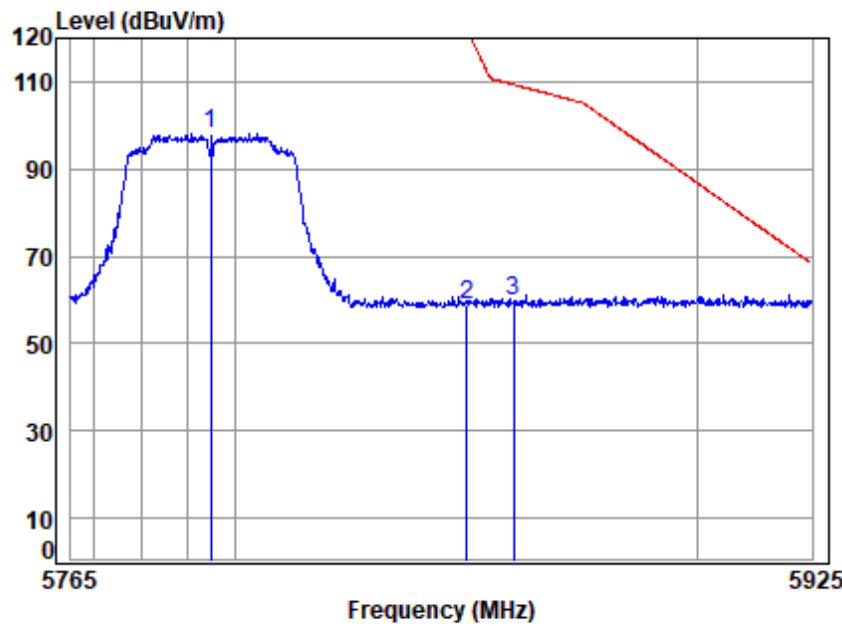
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Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



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

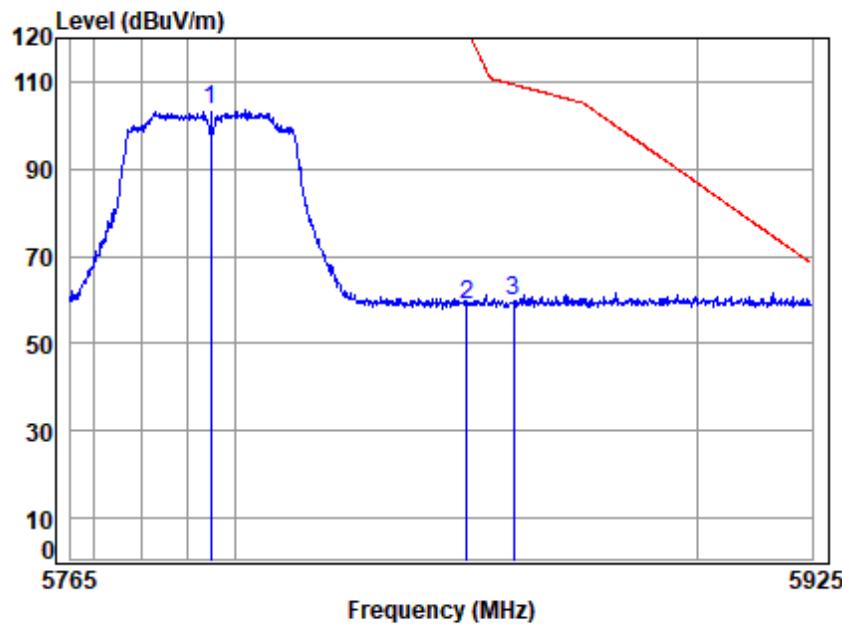
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	8.23	34.90	42.38	97.35	98.10	125.20	-27.10 peak
2	5850.000	8.24	34.95	42.39	57.96	58.76	122.20	-63.44 peak
3	5860.000	8.24	34.96	42.39	58.89	59.70	109.40	-49.70 peak



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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

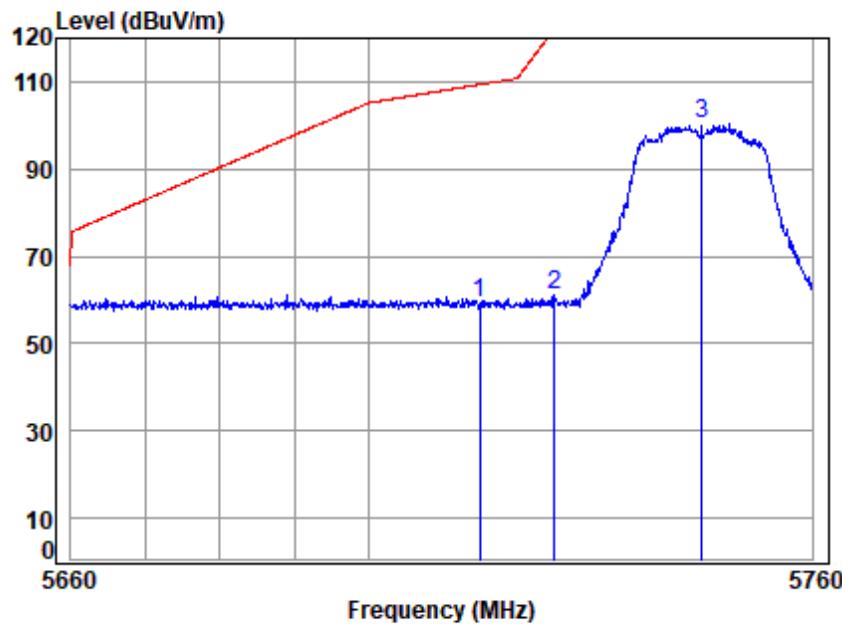
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	8.23	34.90	42.38	102.70	103.45	125.20	-21.75	peak
2	5850.000	8.24	34.95	42.39	58.03	58.83	122.20	-63.37	peak
3	5860.000	8.24	34.96	42.39	59.05	59.86	109.40	-49.54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



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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 Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

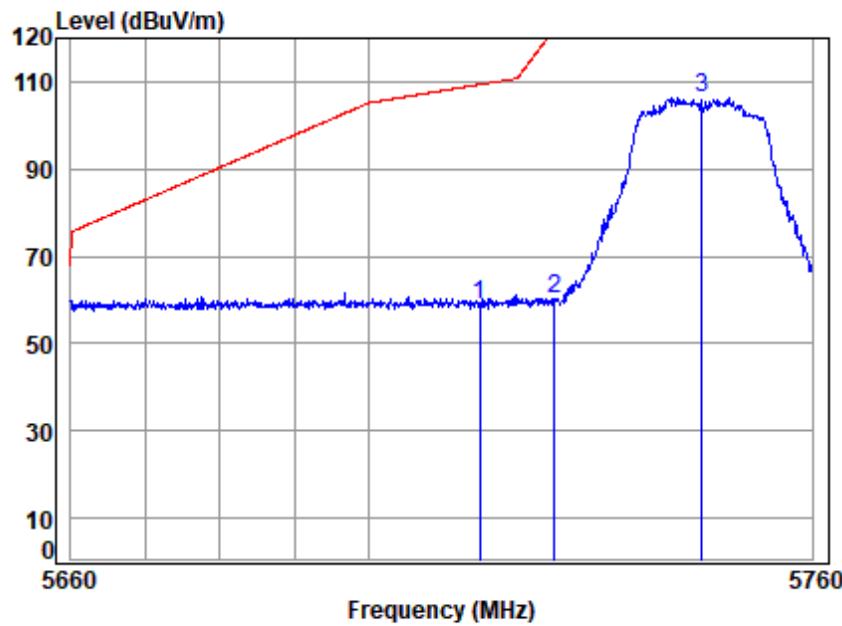
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch | Shenzhen Center | EEC Laboratory

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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:802.11ac; Bandwidth:20MHz; Channel:Low



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

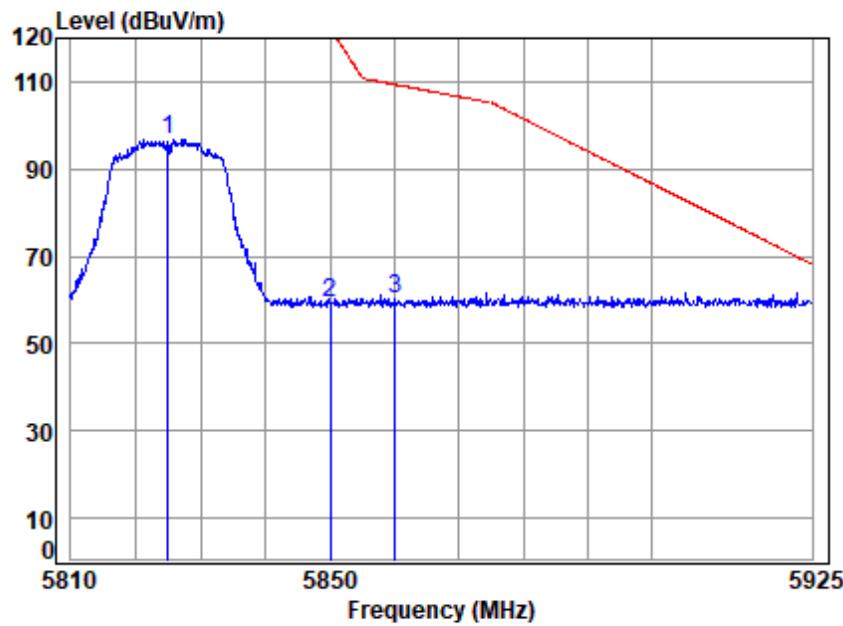
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.12	58.79	109.40	-50.61 peak
2	5725.000	8.22	34.83	42.37	59.68	60.36	122.20	-61.84 peak
3	5745.000	8.22	34.85	42.38	105.60	106.29	125.20	-18.91 peak



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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

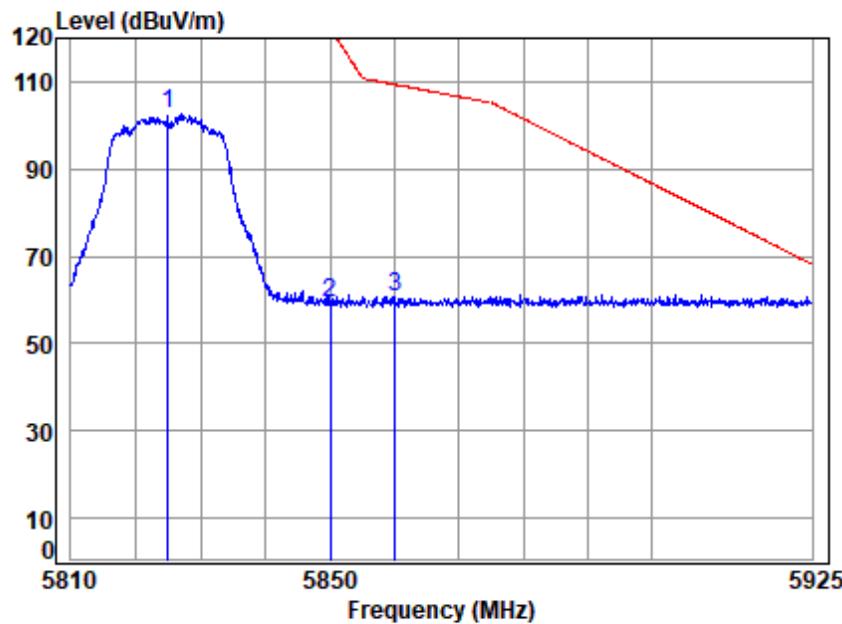
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	8.23	34.93	42.38	96.13	96.91	125.20	-28.29 peak
2	5850.000	8.24	34.95	42.39	58.59	59.39	122.20	-62.81 peak
3	5860.000	8.24	34.96	42.39	59.42	60.23	109.40	-49.17 peak



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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

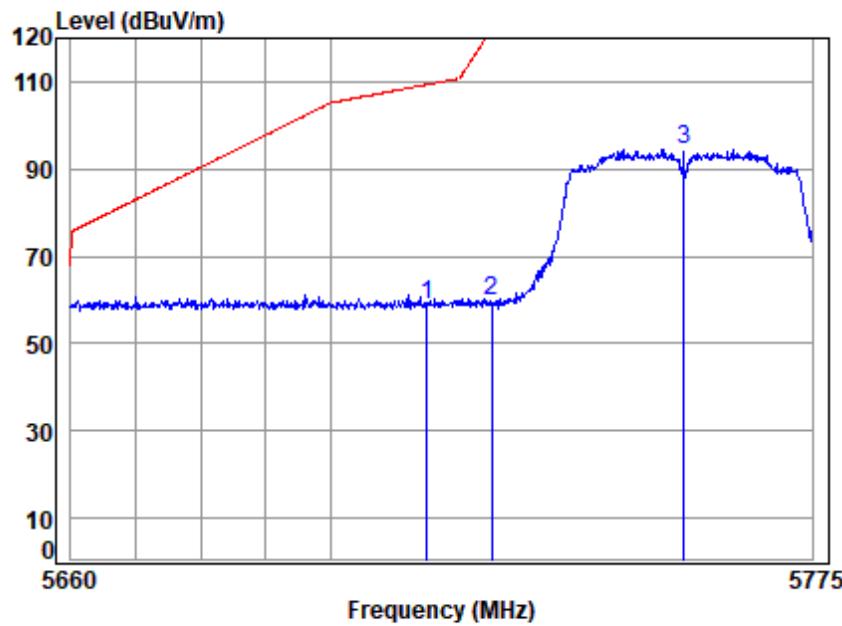
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	8.23	34.93	42.38	101.89	102.67	125.20	-22.53 peak
2	5850.000	8.24	34.95	42.39	58.72	59.52	122.20	-62.68 peak
3	5860.000	8.24	34.96	42.39	59.96	60.77	109.40	-48.63 peak



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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 Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

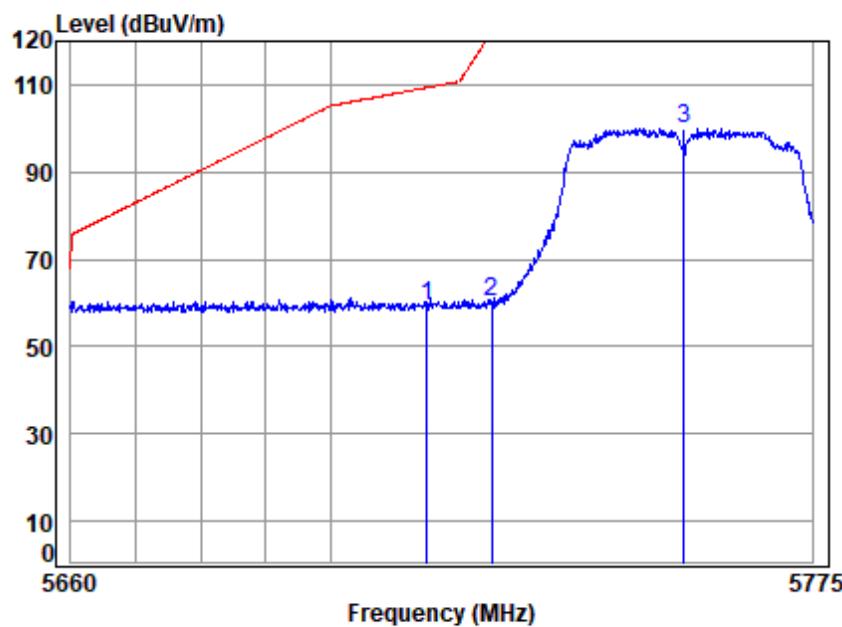


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Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

Mode : 5755 Band edge
: 5G WIFI 11AC40

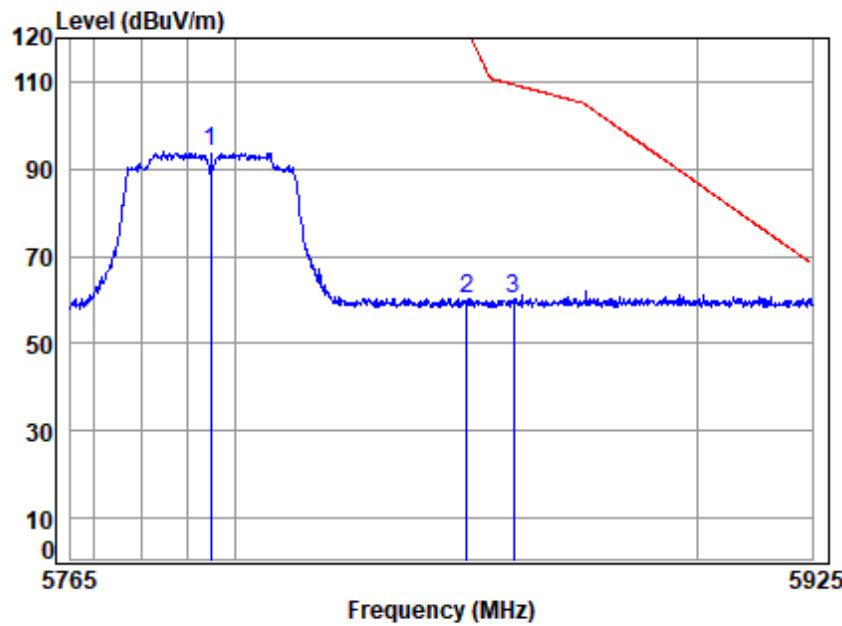
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	8.22	34.82	42.37	58.55	59.22	109.40	-50.18	peak
2	5725.000	8.22	34.83	42.37	59.76	60.44	122.20	-61.76	peak
3	5755.000	8.22	34.86	42.38	99.27	99.97	125.20	-25.23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



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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

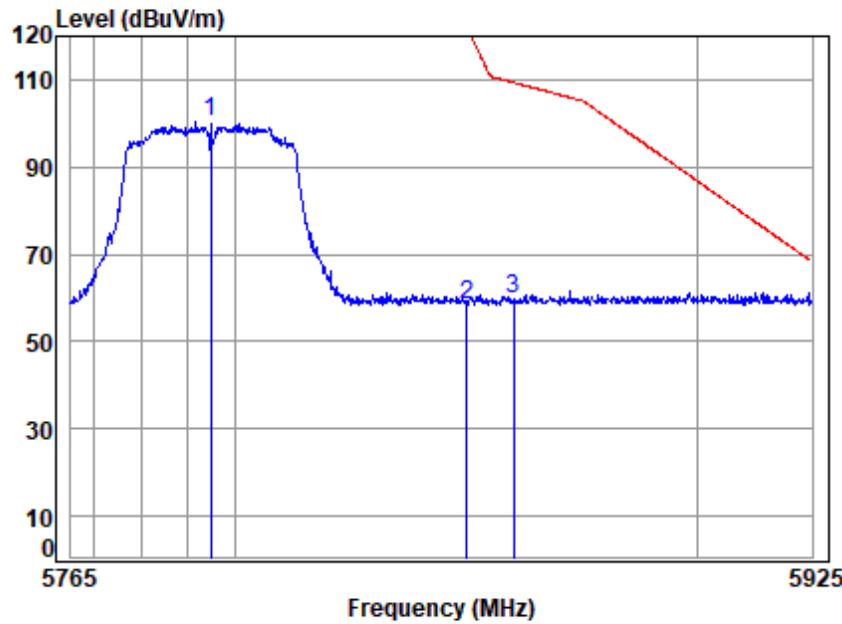
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	93.32	94.07	125.20	-31.13 peak
2 5850.000	8.24	34.95	42.39	59.52	60.32	122.20	-61.88 peak
3 5860.000	8.24	34.96	42.39	59.33	60.14	109.40	-49.26 peak



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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

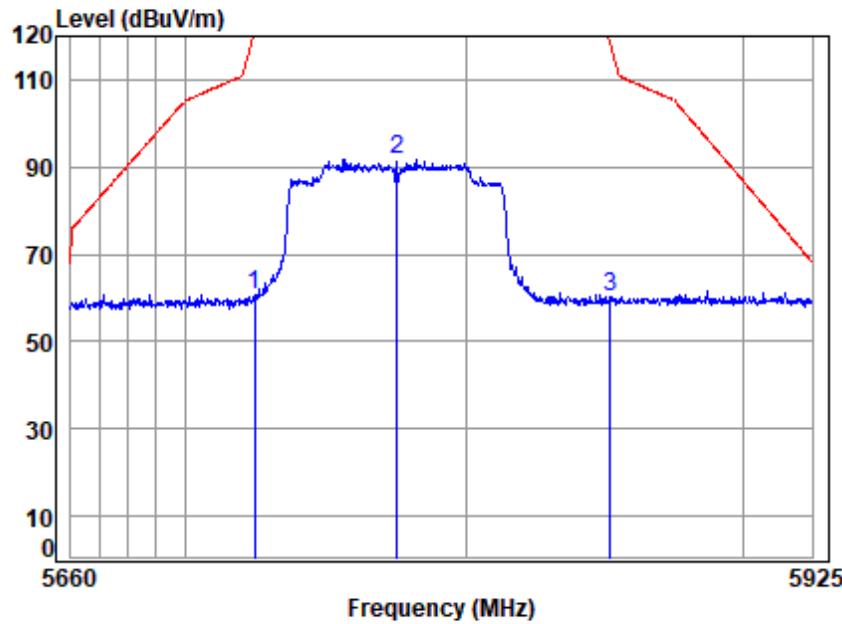
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	8.23	34.90	42.38	99.47	100.22	125.20	-24.98	peak
2	5850.000	8.24	34.95	42.39	57.80	58.60	122.20	-63.60	peak
3	5860.000	8.24	34.96	42.39	58.75	59.56	109.40	-49.84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



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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

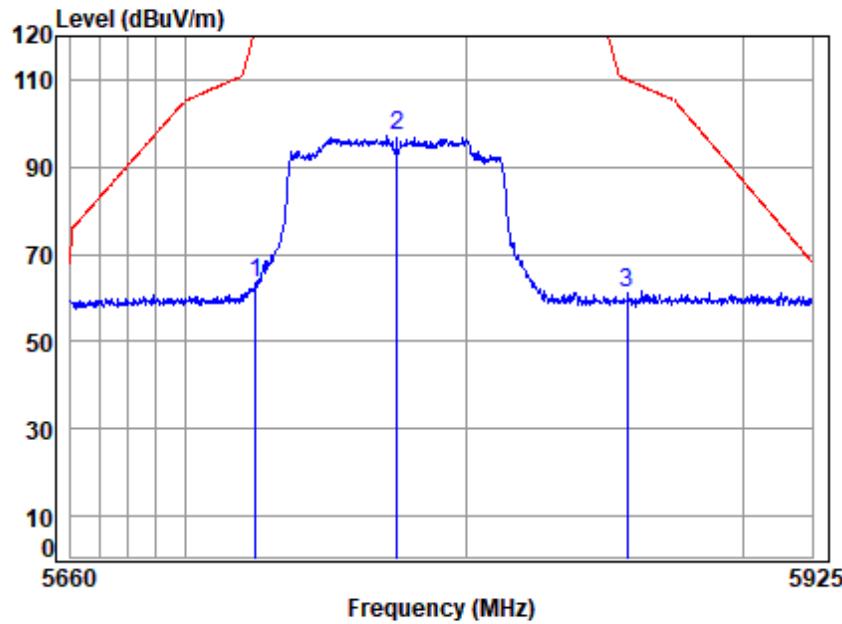
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5724.594	8.22	34.83	42.37	60.00	60.68	121.27	-60.59 peak
2	5775.000	8.22	34.88	42.38	90.90	91.62	125.20	-33.58 peak
3	5851.715	8.24	34.96	42.39	59.44	60.25	118.29	-58.04 peak



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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

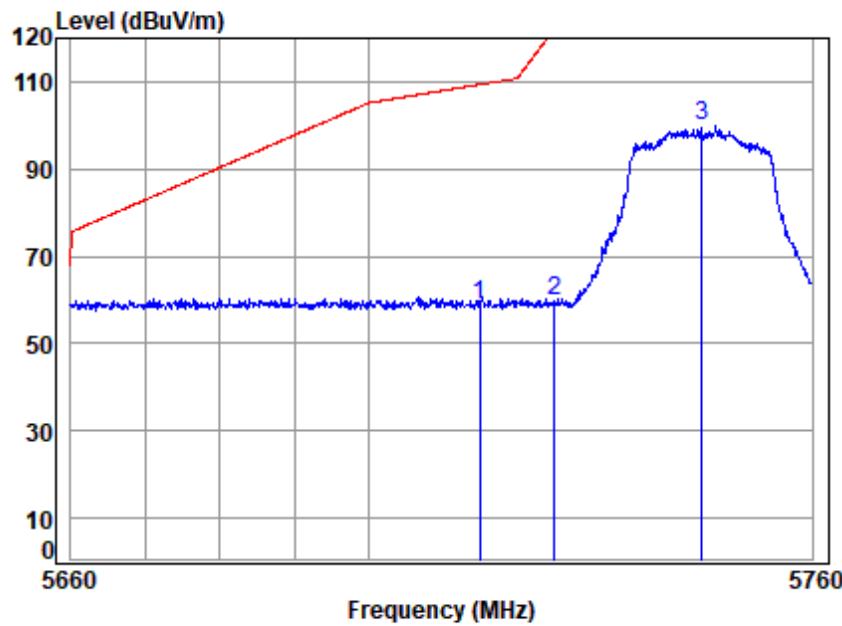
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5724.855	8.22	34.83	42.37	62.70	63.38	121.87	-58.49 peak
2 5775.000	8.22	34.88	42.38	96.30	97.02	125.20	-28.18 peak
3 5857.877	8.24	34.96	42.39	60.19	61.00	109.99	-48.99 peak



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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

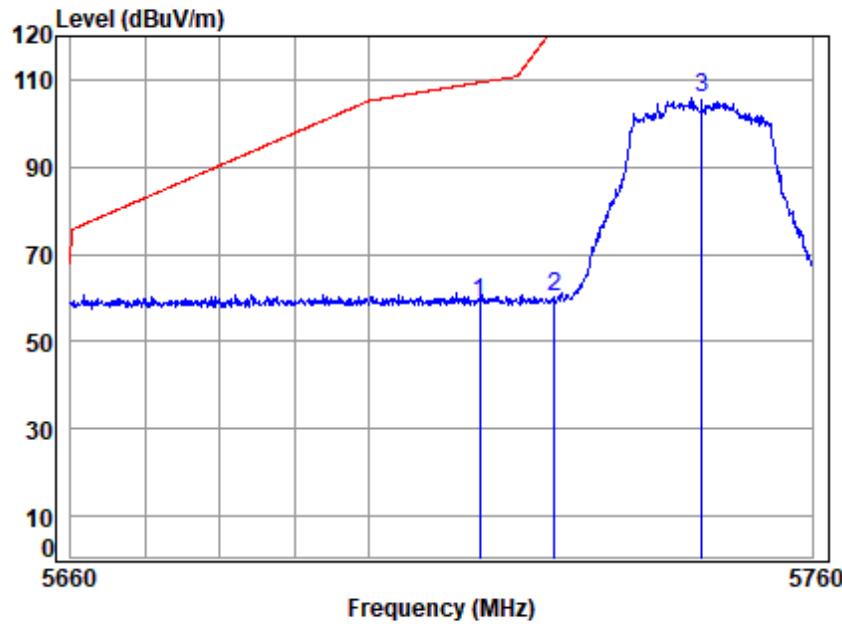
Freq	Cable	Ant	Preamp	Read	Limit	Over	Over	Remark
	Loss	Factor	Factor	Level				
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5715.000	8.22	34.82	42.37	58.26	58.93	109.40	-50.47	peak
2 5725.000	8.22	34.83	42.37	59.03	59.71	122.20	-62.49	peak
3 5745.000	8.22	34.85	42.38	99.11	99.80	125.20	-25.40	peak



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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

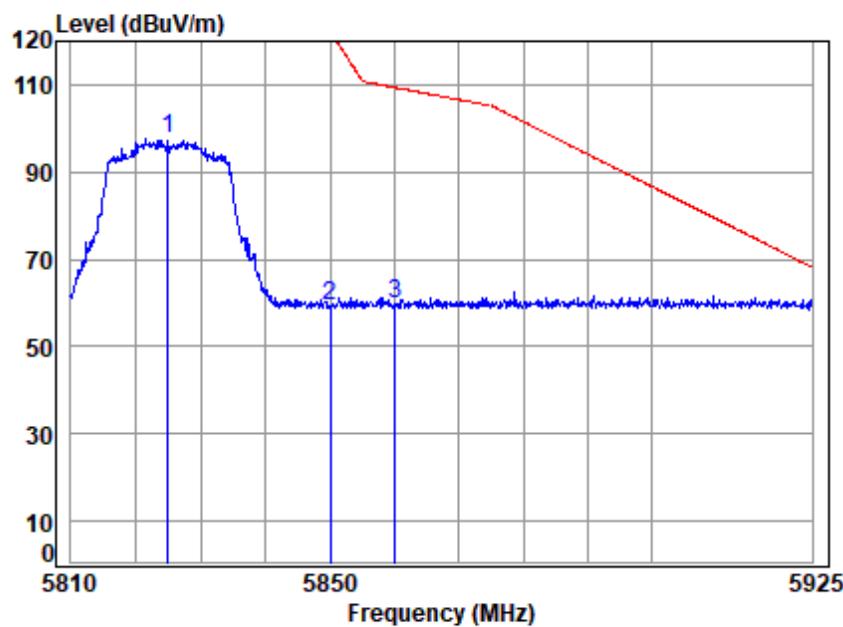
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5715.000	8.22	34.82	42.37	58.23	58.90	109.40	-50.50 peak
2 5725.000	8.22	34.83	42.37	59.42	60.10	122.20	-62.10 peak
3 5745.000	8.22	34.85	42.38	105.01	105.70	125.20	-19.50 peak



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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

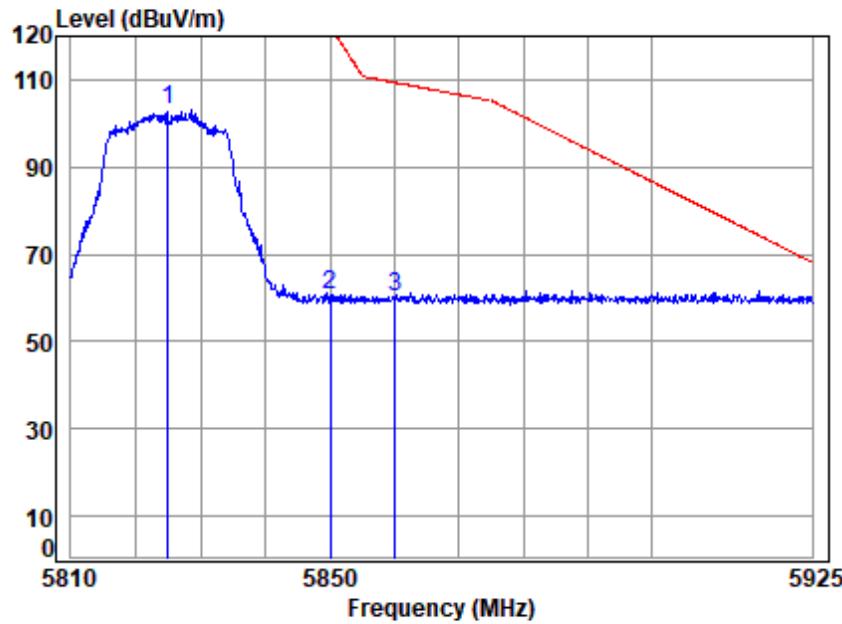
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	96.68	97.46	125.20	-27.74 peak
2 5850.000	8.24	34.95	42.39	58.70	59.50	122.20	-62.70 peak
3 5860.000	8.24	34.96	42.39	58.76	59.57	109.40	-49.83 peak



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



Site : chamber
Condition: 3m VERTICAL

Job No : 02179CR

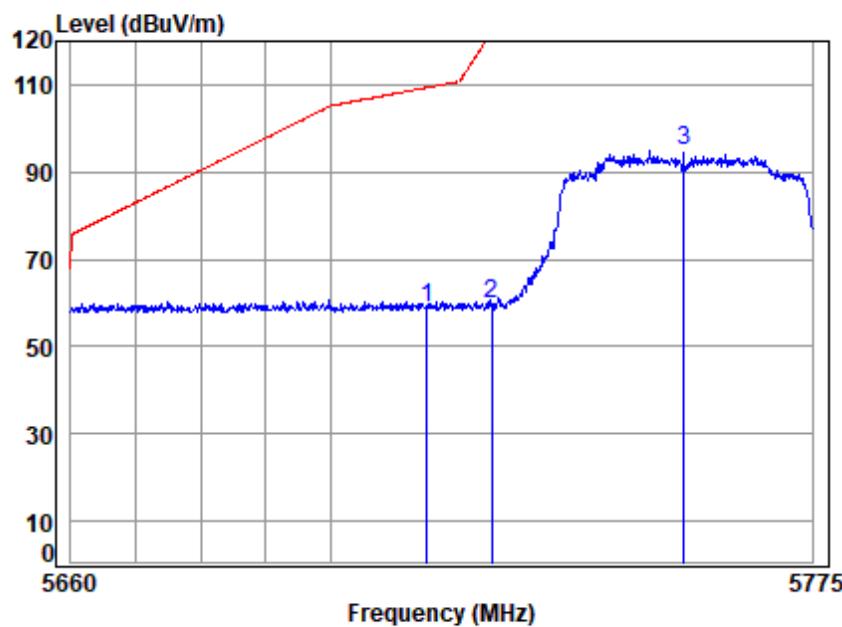
Mode : 5825 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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

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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

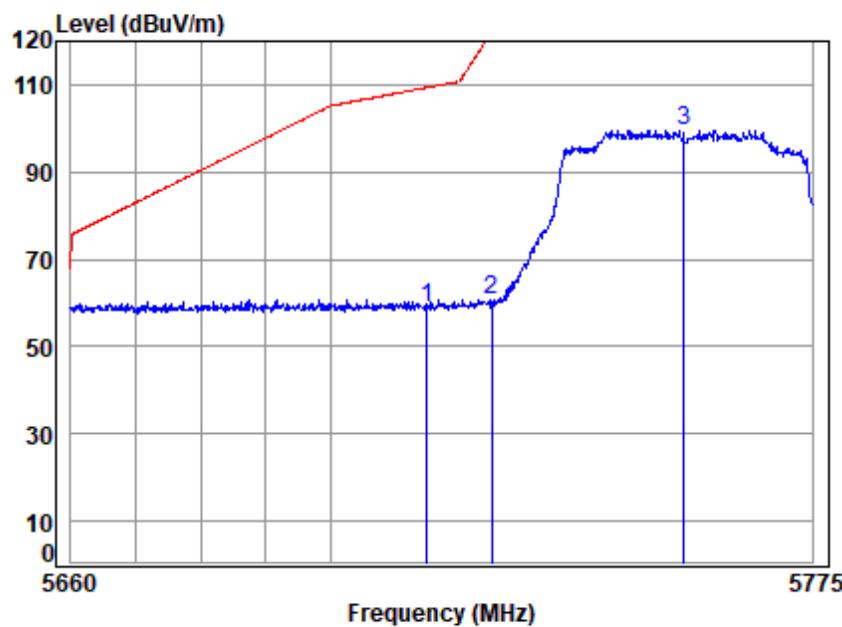
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	57.97	58.64	109.40	-50.76 peak
2	5725.000	8.22	34.83	42.37	59.14	59.82	122.20	-62.38 peak
3	5755.000	8.22	34.86	42.38	94.17	94.87	125.20	-30.33 peak



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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

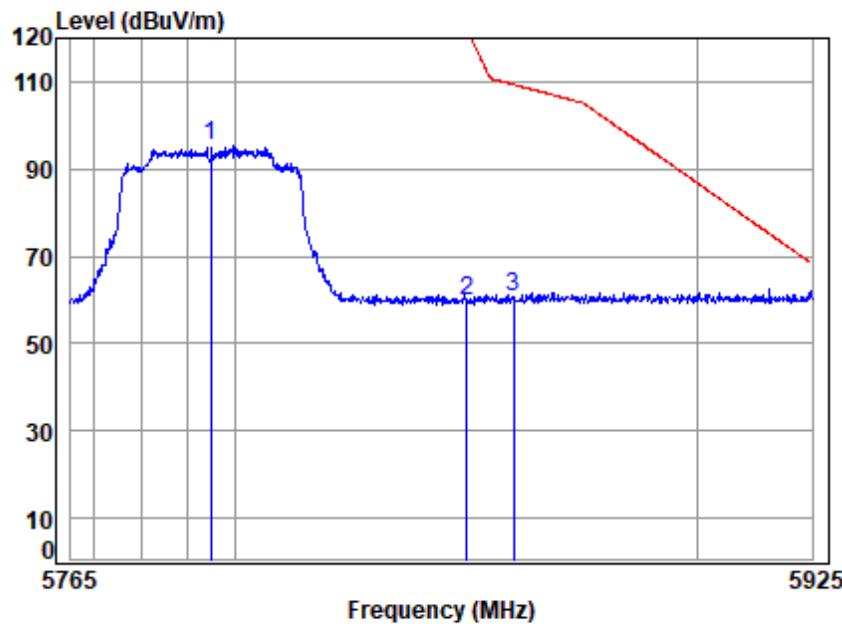
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	58.39	59.06	109.40	-50.34 peak
2	5725.000	8.22	34.83	42.37	59.86	60.54	122.20	-61.66 peak
3	5755.000	8.22	34.86	42.38	98.96	99.66	125.20	-25.54 peak



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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

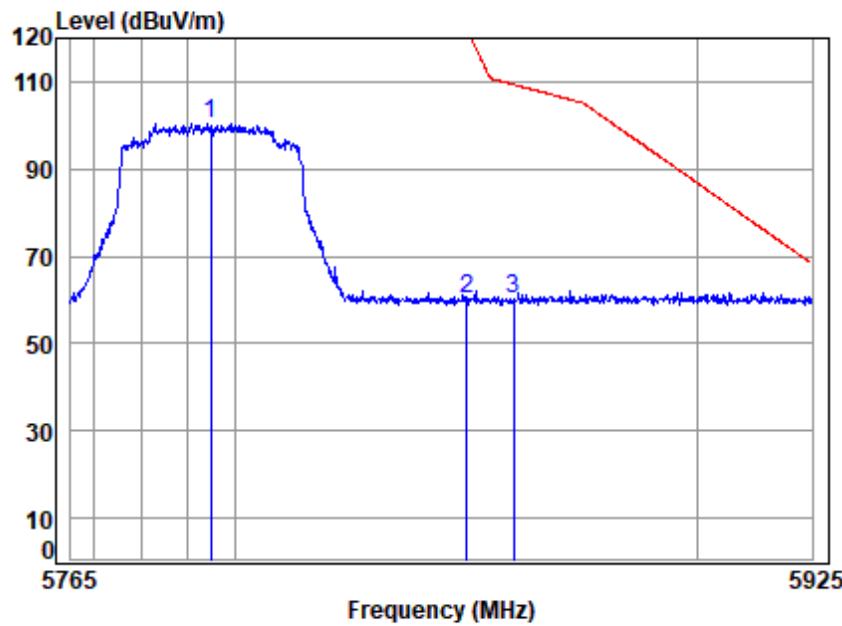
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	8.23	34.90	42.38	94.50	95.25	125.20	-29.95 peak
2	5850.000	8.24	34.95	42.39	59.14	59.94	122.20	-62.26 peak
3	5860.000	8.24	34.96	42.39	59.85	60.66	109.40	-48.74 peak



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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

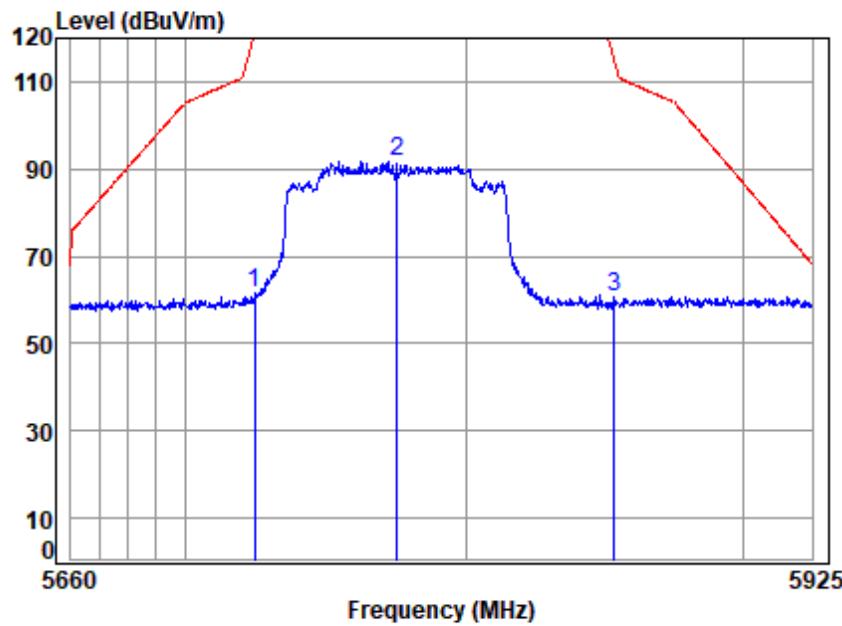
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	8.23	34.90	42.38	99.78	100.53	125.20	-24.67	peak
2	5850.000	8.24	34.95	42.39	59.25	60.05	122.20	-62.15	peak
3	5860.000	8.24	34.96	42.39	59.60	60.41	109.40	-48.99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



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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

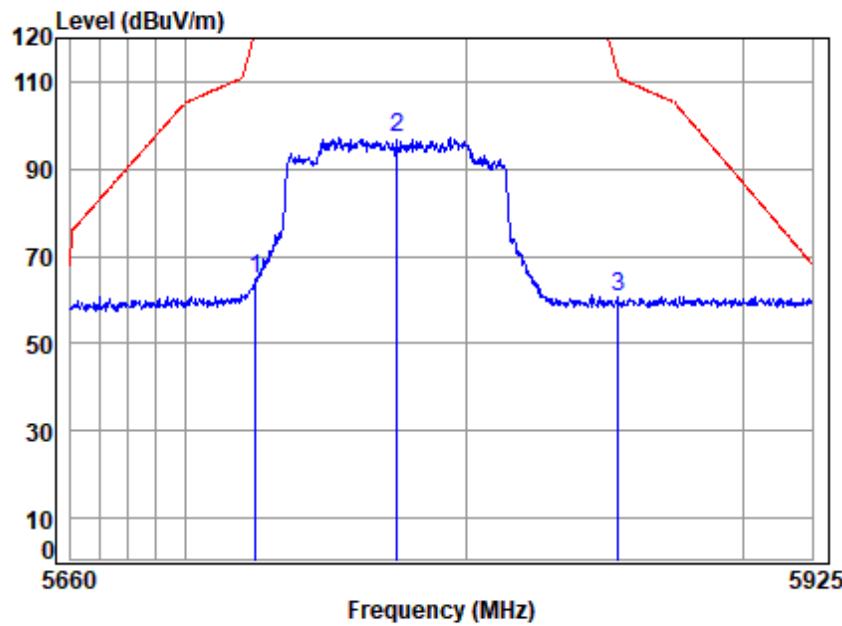
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	
	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5724.594	8.22	34.83	42.37	60.77	61.45	121.27	-59.82 peak
2	5775.000	8.22	34.88	42.38	91.03	91.75	125.20	-33.45 peak
3	5853.054	8.24	34.96	42.39	59.74	60.55	115.24	-54.69 peak



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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 Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over 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



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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



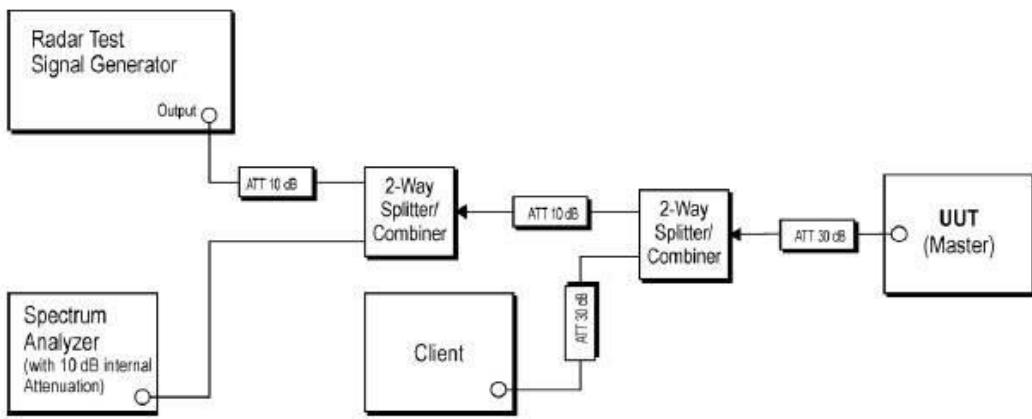
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Shenzhen Branch Inspection & Testing Services Laboratory

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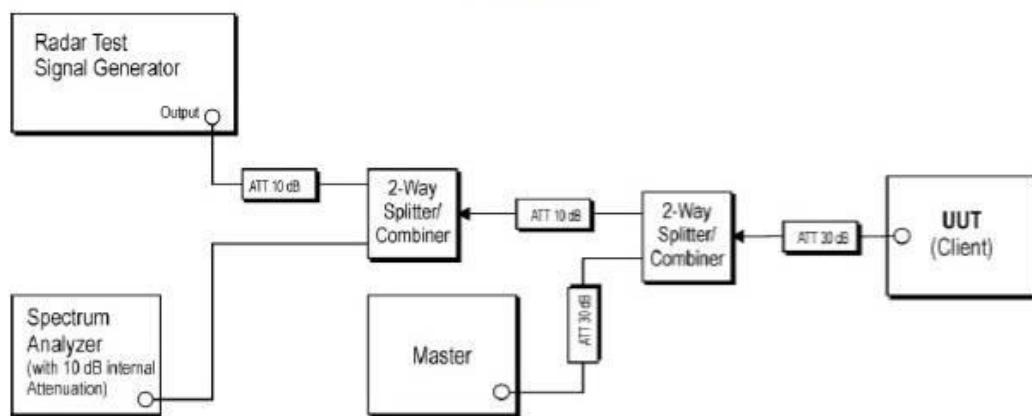
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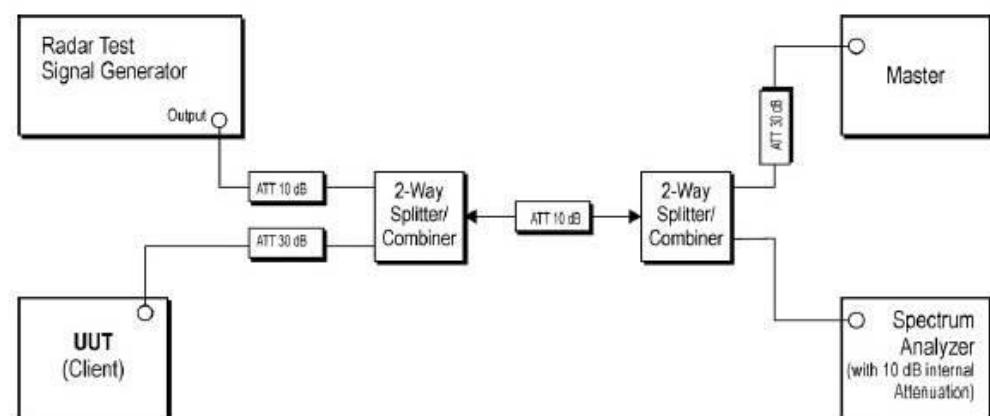
7.5.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection

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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 X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer To Appendix For Details



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Shenzhen Branch Inspection & Testing Services Laboratory

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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



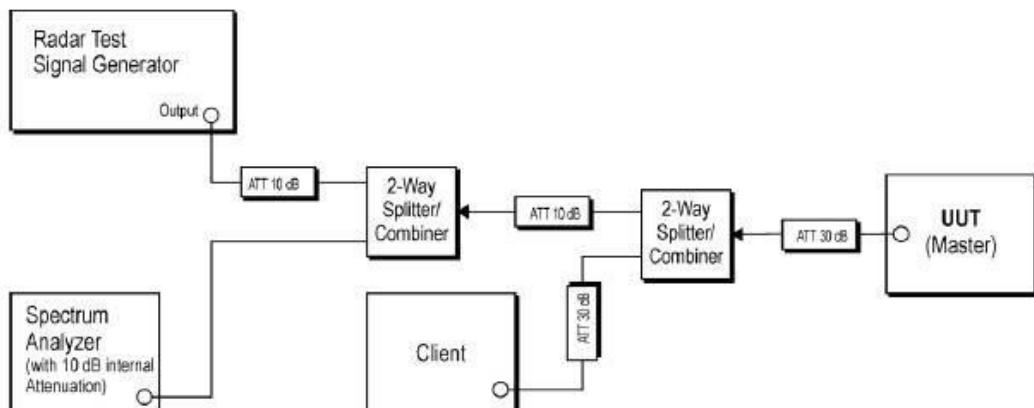
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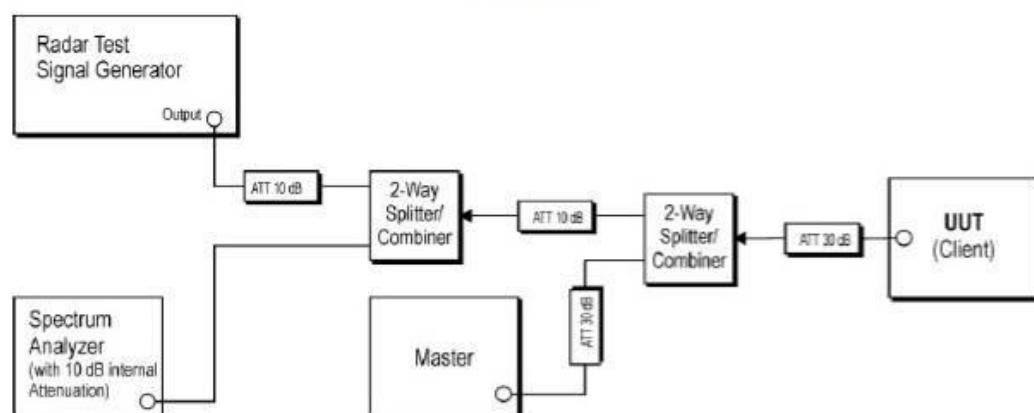
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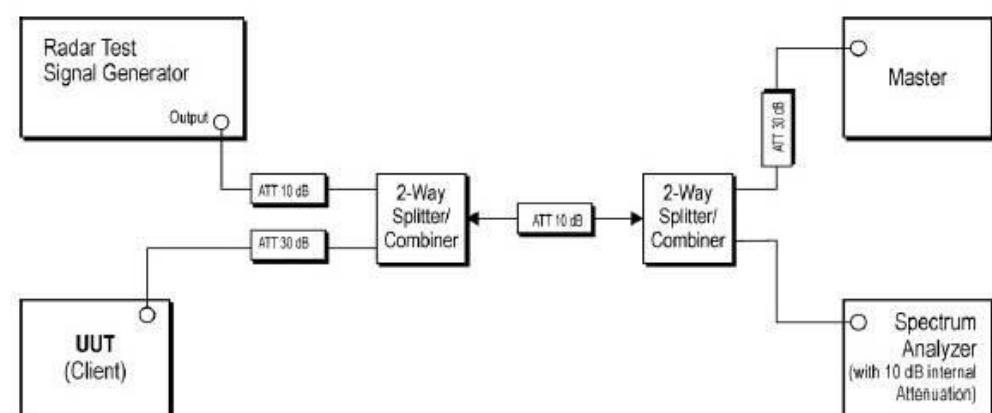
7.6.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection

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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 X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer To Appendix For Details



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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:

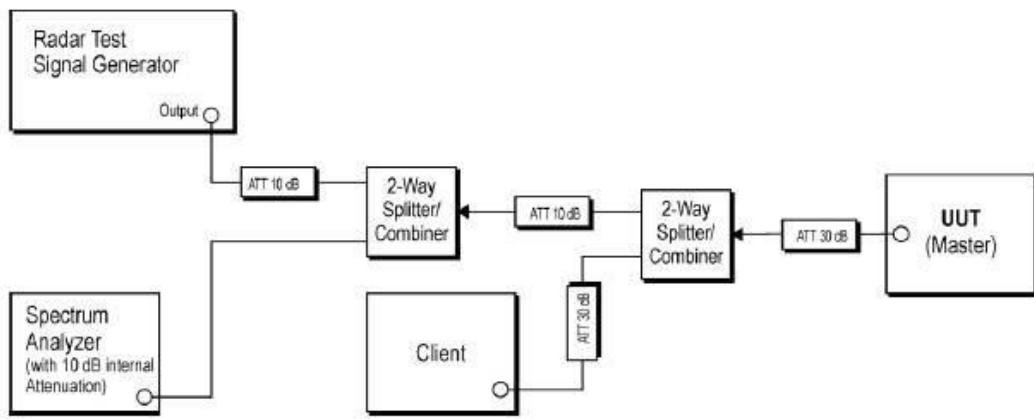
Temperature: 22.3 °C Humidity: 52.2 % RH Atmospheric Pressure: 1010 mbar



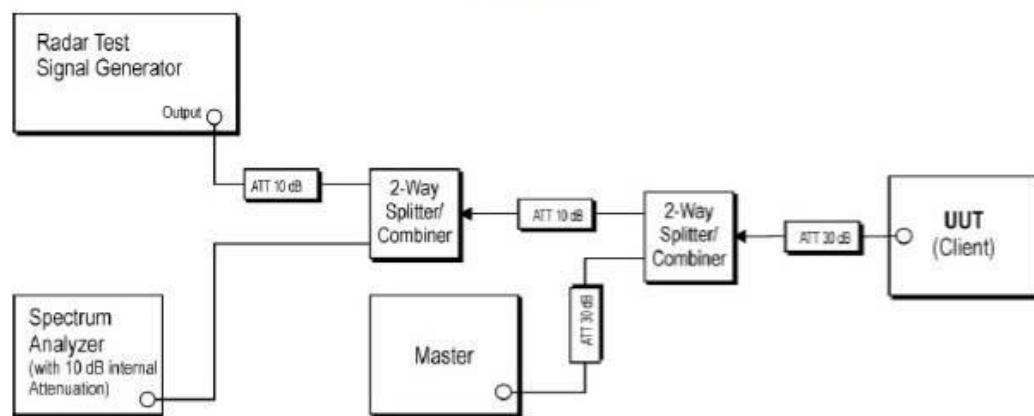
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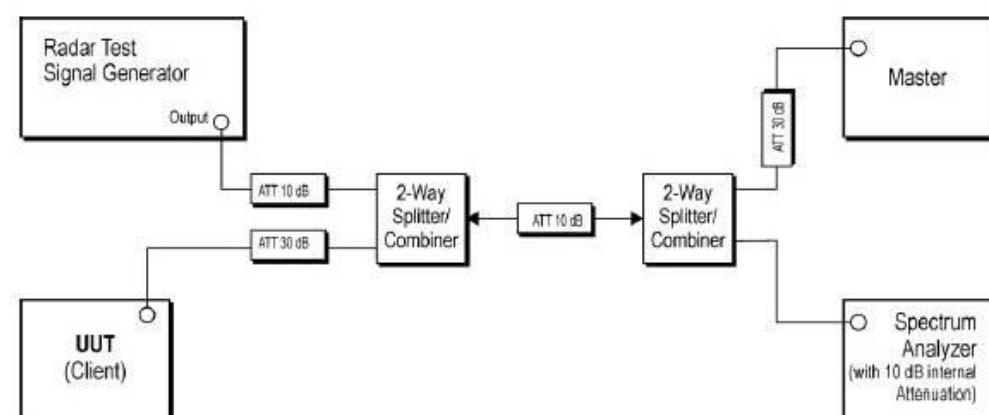
7.7.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection

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7.7.3 Measurement Procedure and Data

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- 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.
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Please Refer To Appendix For Details



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8 Appendix

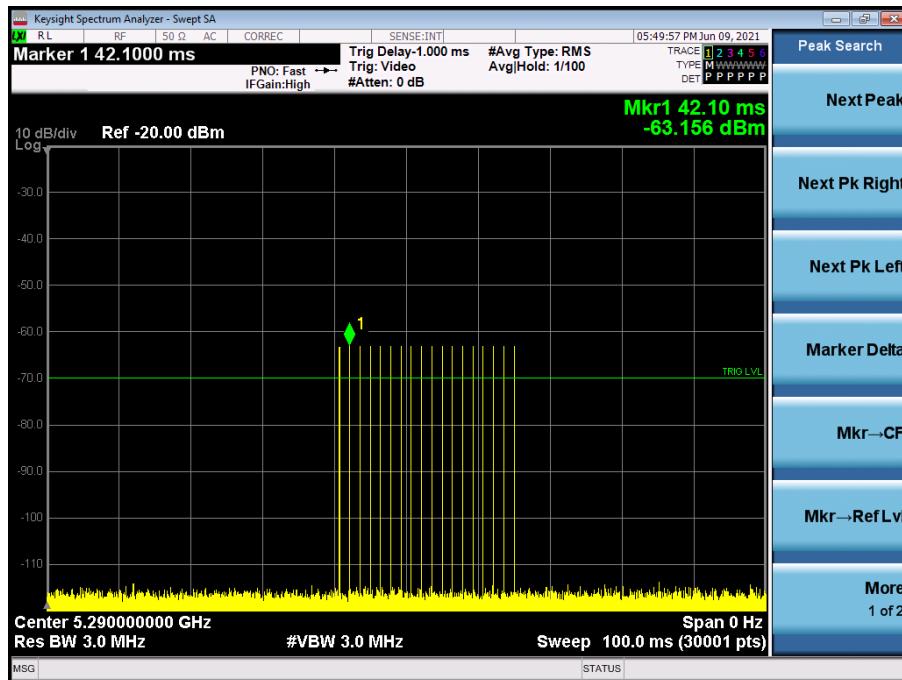
6. (DFS: Non-occupancy period; Channel Move Time; Channel Closing Transmission Time)

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



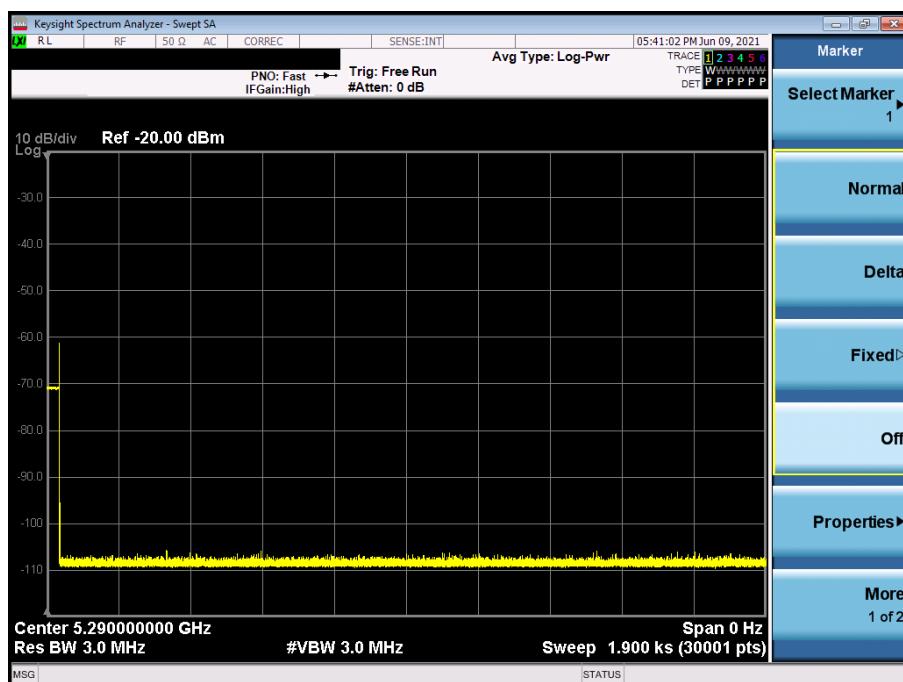
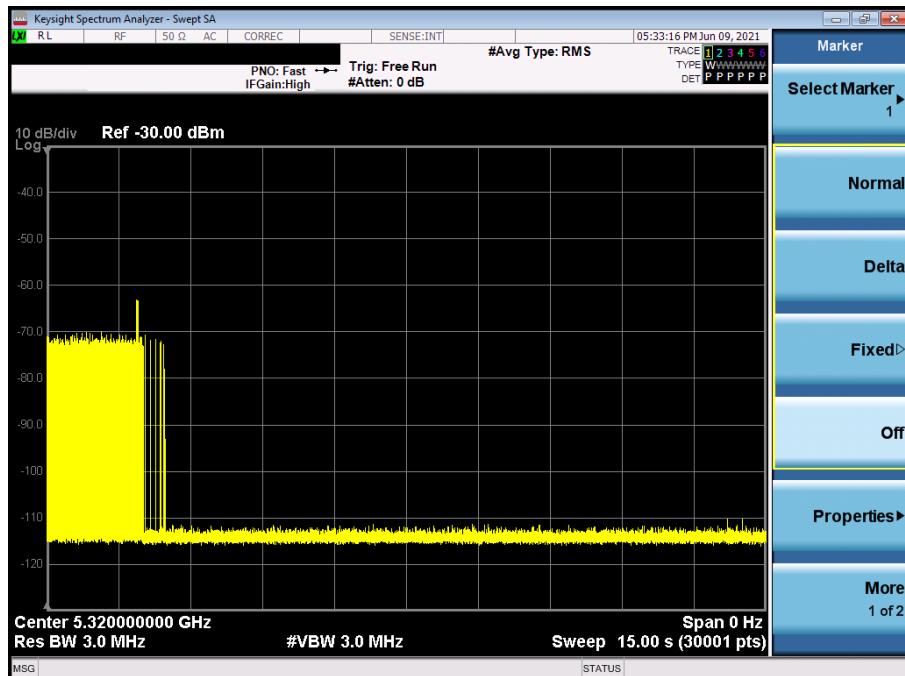
Test Data:

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

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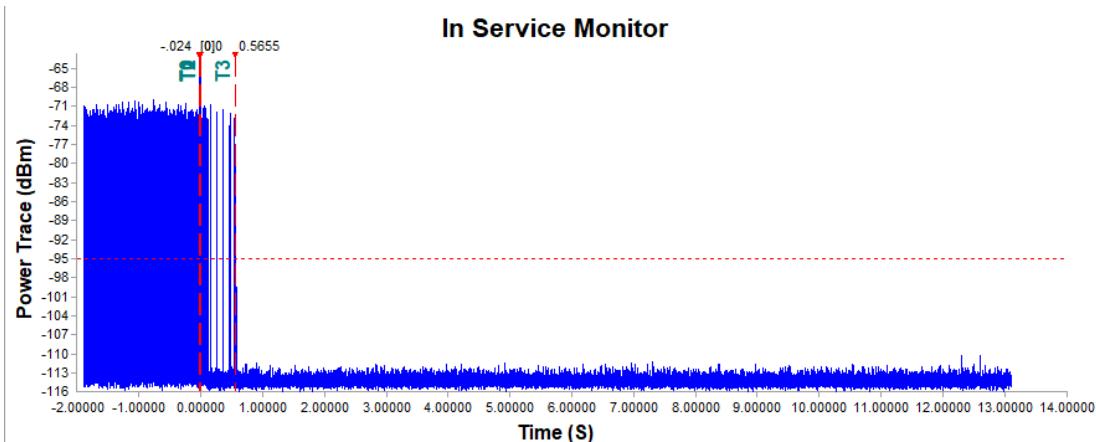
Test plots as follows:



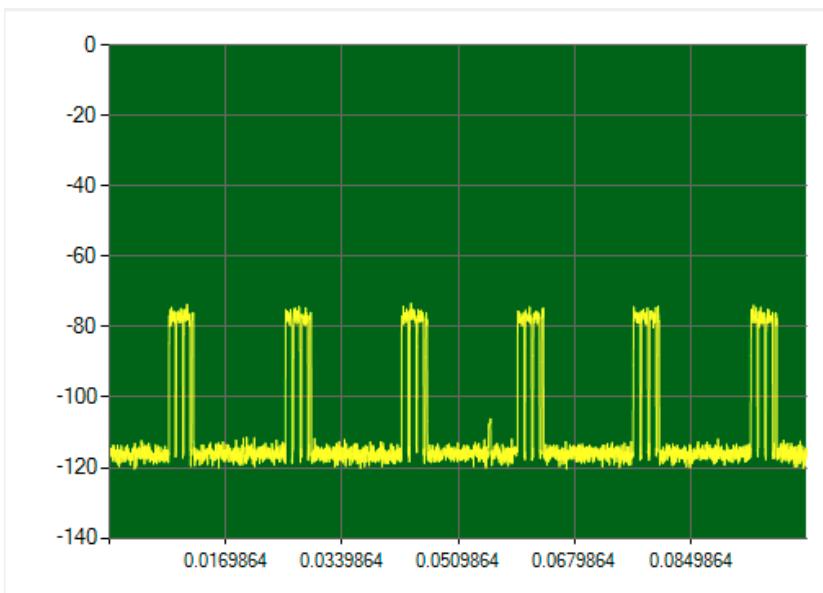
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Time Index Info		Time Per Bin: 0.4999833	Channel Move Time: 0.5654812 S
T0	-0.0240 S (Radar Injection Start)		
T1	0.0000 S (Radar Injection Stop)		
T2	0.0000 S (200msec Interval)	T2~T3 Bins Over Threshold: = 146 Bins	Channel Close Time: 0.0729976 S
T3	0.5655 S (Channel Move Time)		



Load Data

Off Set: dB

Duty Cycle: %



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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 -



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