



4.6.1.15 11N20\_48 ANT 1



Date: 2.NOV.2018 09:15:28

4.6.1.16 11N20\_52 ANT 1



Date: 2.NOV.2018 09:15:42



4.6.1.17 11N20\_60 ANT 1



Date: 2.NOV.2018 09:17:11

4.6.1.18 11N20\_64 ANT 1



Date: 2.NOV.2018 09:17:27



4.6.1.19 11N20\_100 ANT 1



Date: 2.NOV.2018 09:19:19

4.6.1.20 11N20\_116 ANT 1



Date: 2.NOV.2018 09:19:35

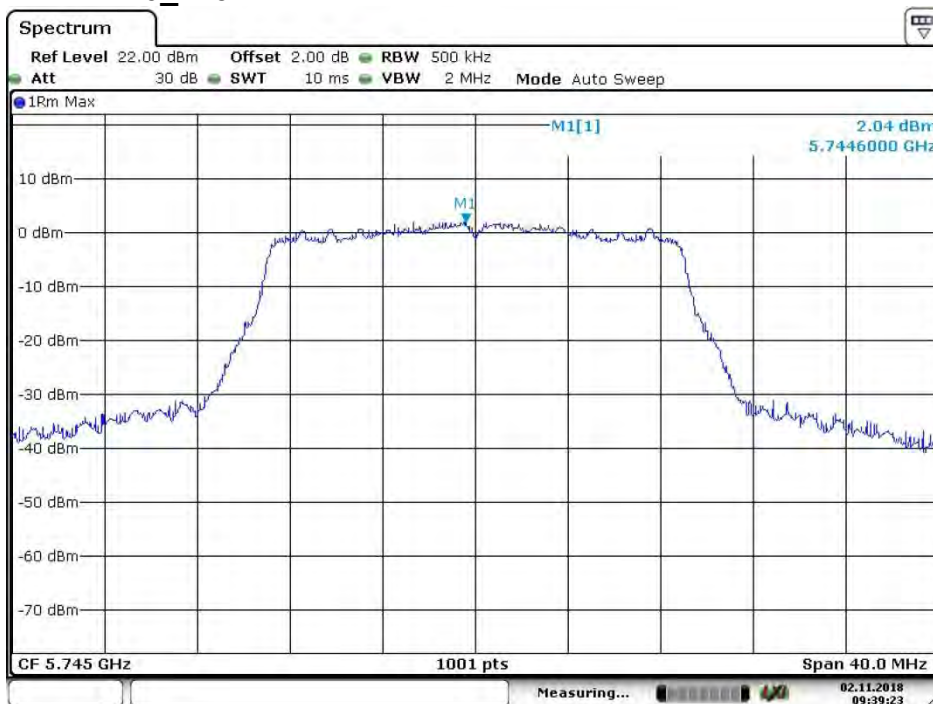


4.6.1.21 11N20\_140 ANT 1



Date: 2.NOV.2018 09:19:53

4.6.1.22 11N20\_149 ANT 1



Date: 2.NOV.2018 09:39:24



4.6.1.23 11N20\_157 ANT 1



Date: 2.NOV.2018 09:39:45

4.6.1.24 11N20\_165 ANT 1



Date: 2.NOV.2018 09:39:59

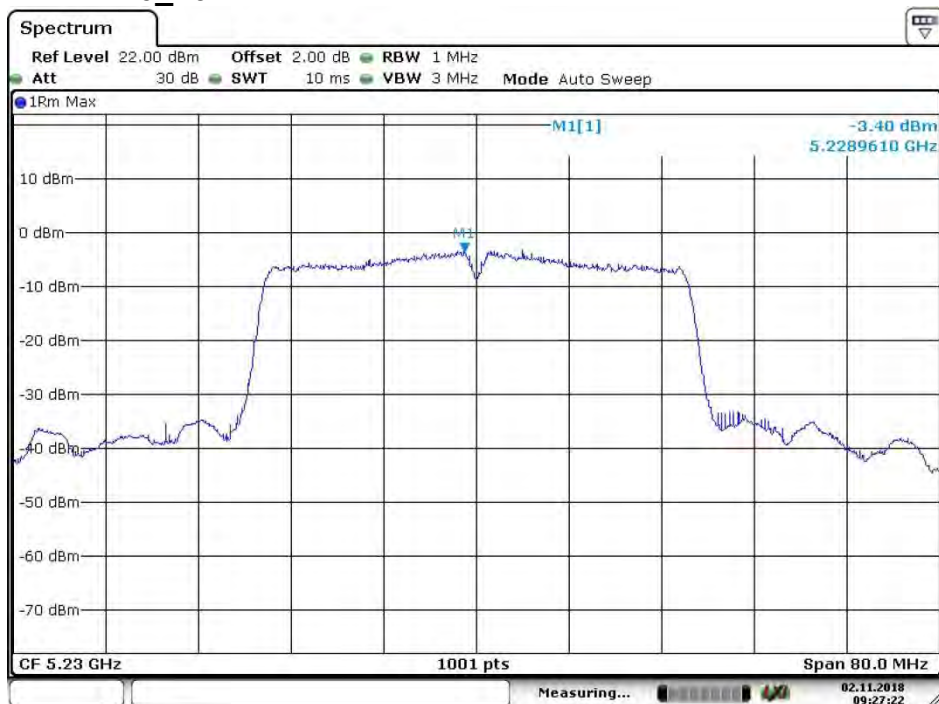


4.6.1.25 11N40\_38 ANT 1



Date: 2.NOV.2018 09:27:01

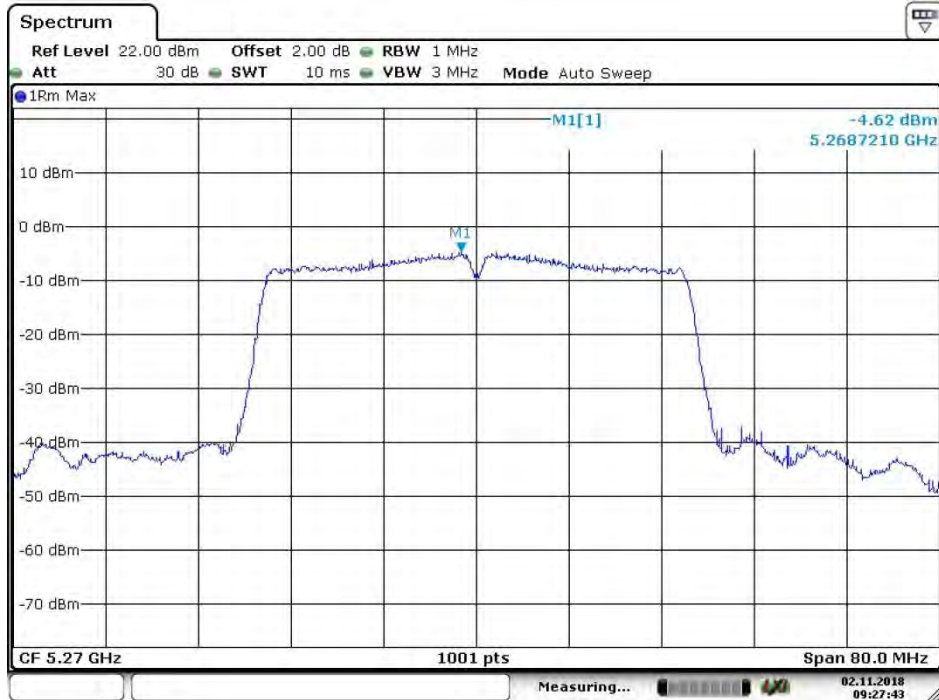
4.6.1.26 11N40\_46 ANT 1



Date: 2.NOV.2018 09:27:22

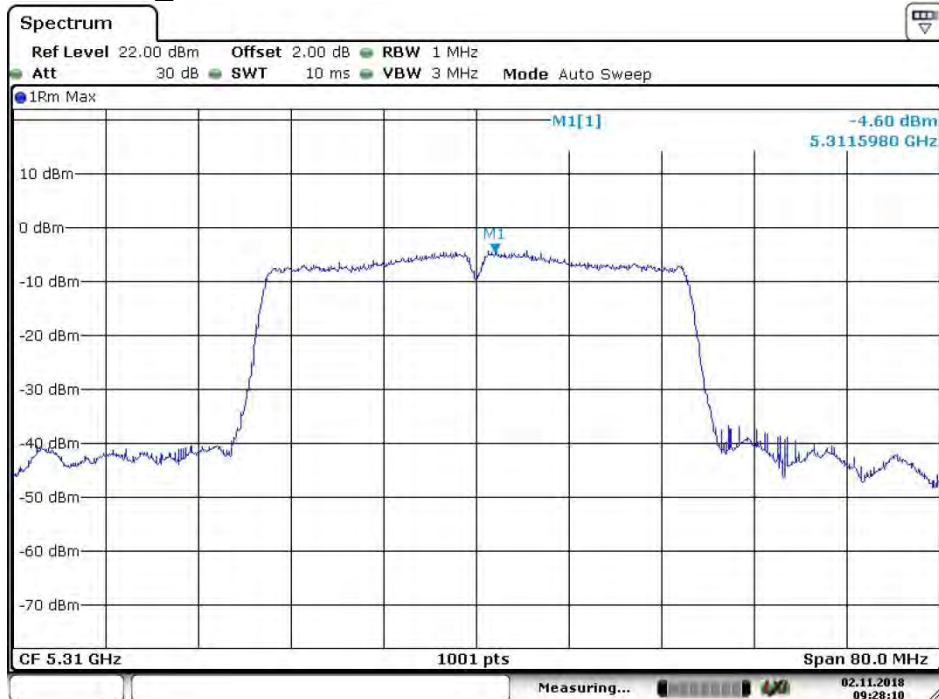


4.6.1.27 11N40\_54 ANT 1



Date: 2.NOV.2018 09:27:44

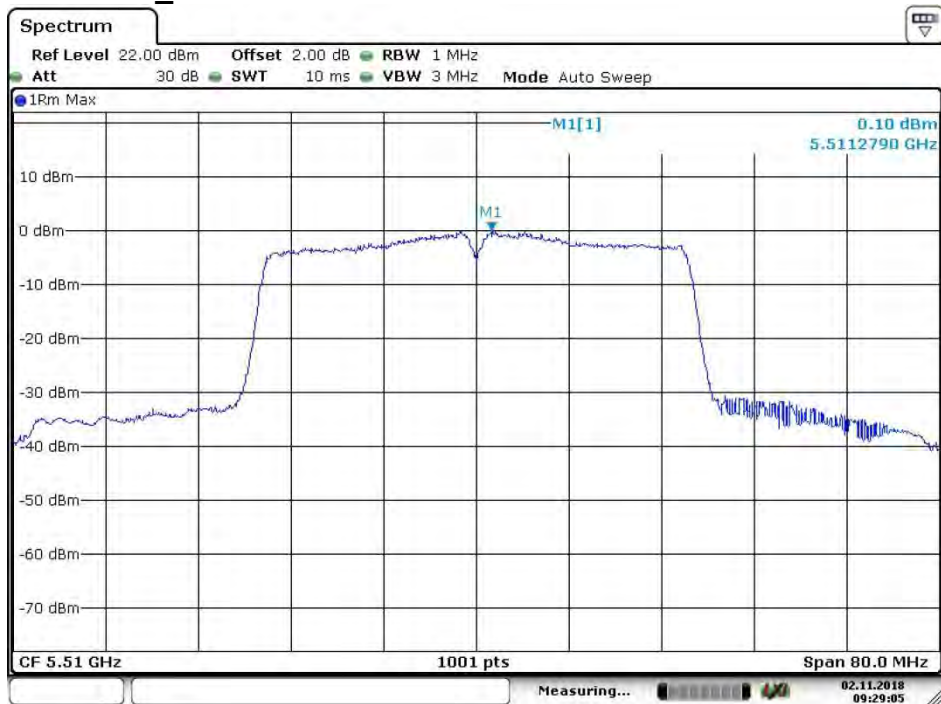
4.6.1.28 11N40\_62 ANT 1



Date: 2.NOV.2018 09:28:11

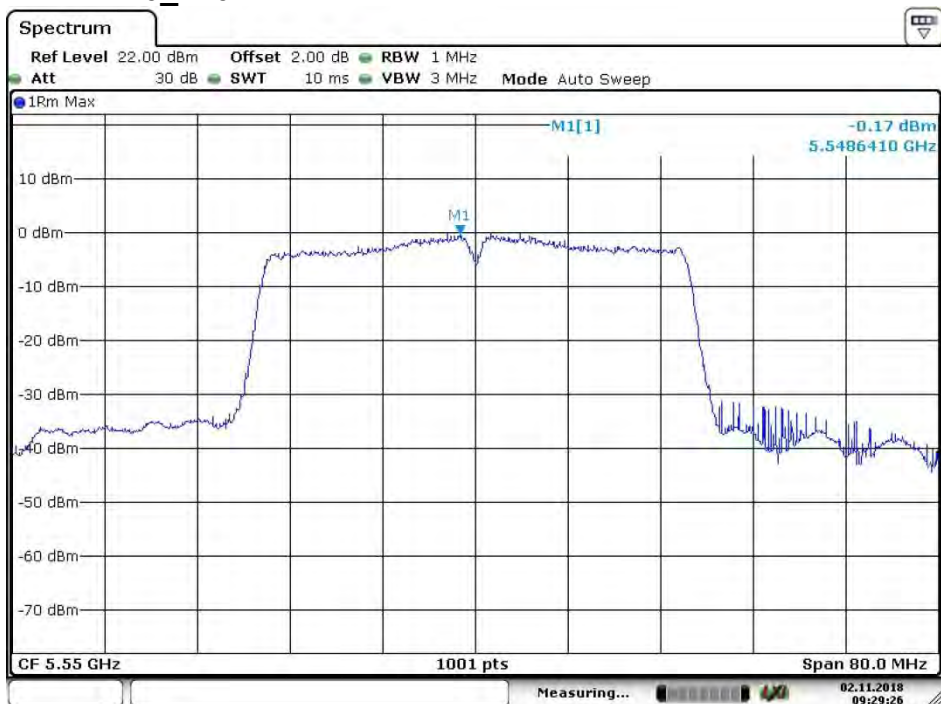


4.6.1.29 11N40\_102 ANT 1



Date: 2.NOV.2018 09:29:05

4.6.1.30 11N40\_110 ANT 1



Date: 2.NOV.2018 09:29:26



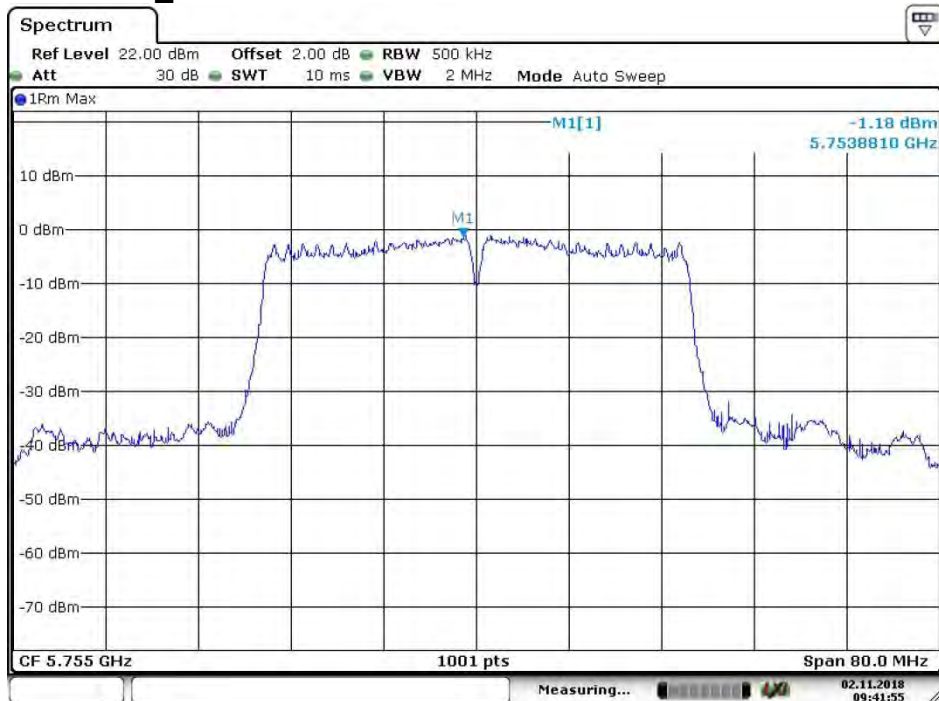


4.6.1.31 11N40\_134 ANT 1



Date: 2.NOV.2018 09:30:22

4.6.1.32 11N40\_151 ANT 1



Date: 2.NOV.2018 09:41:55



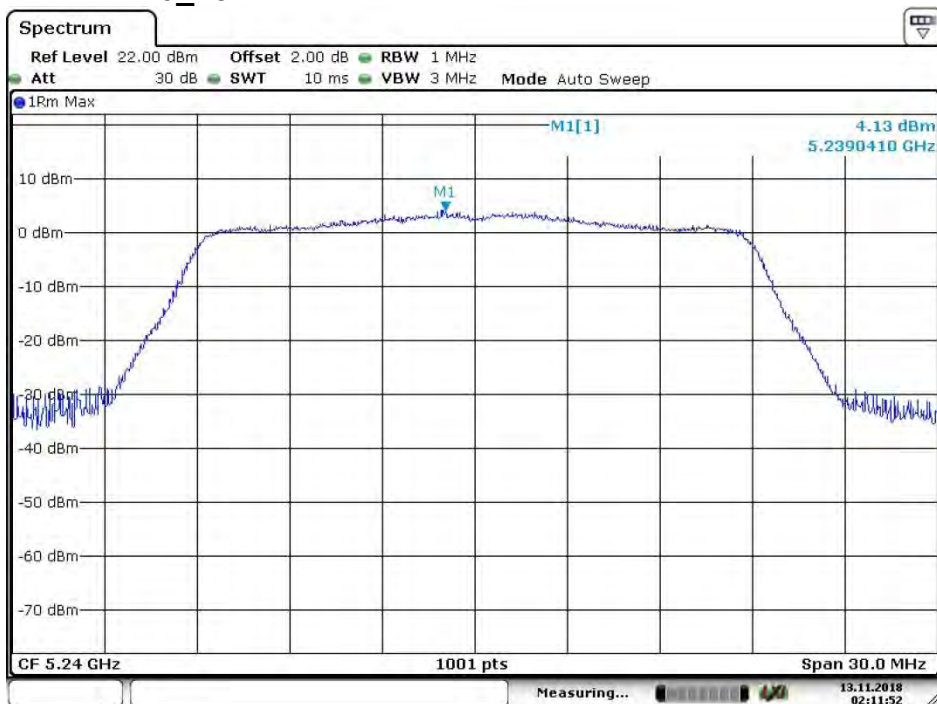


4.6.1.35 11AC20\_44 ANT 1



Date: 2.NOV.2018 09:21:01

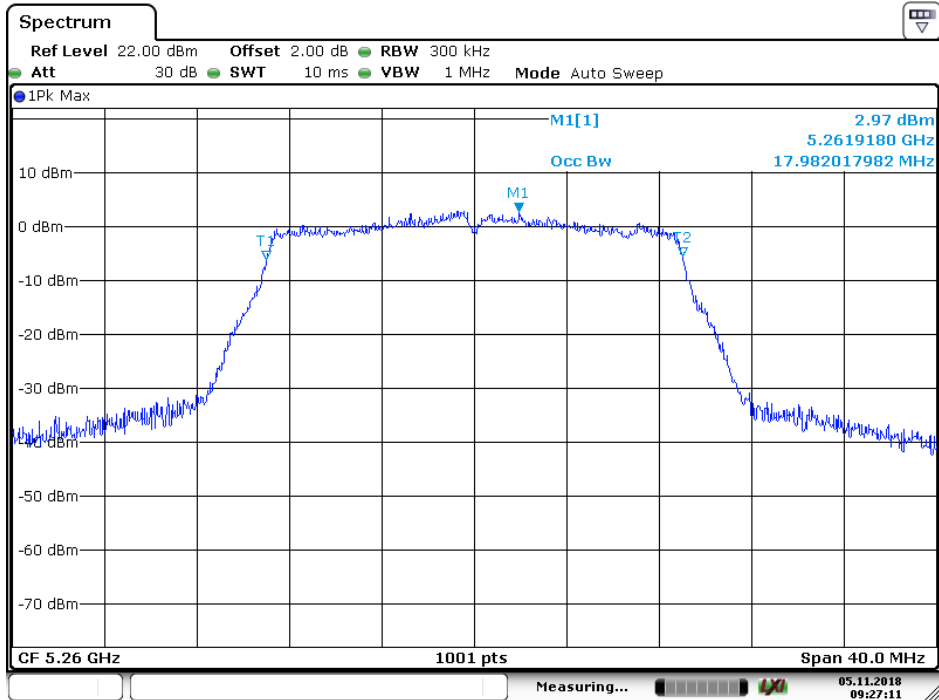
4.6.1.36 11AC20\_48 ANT 1



Date: 13.NOV.2018 02:11:53

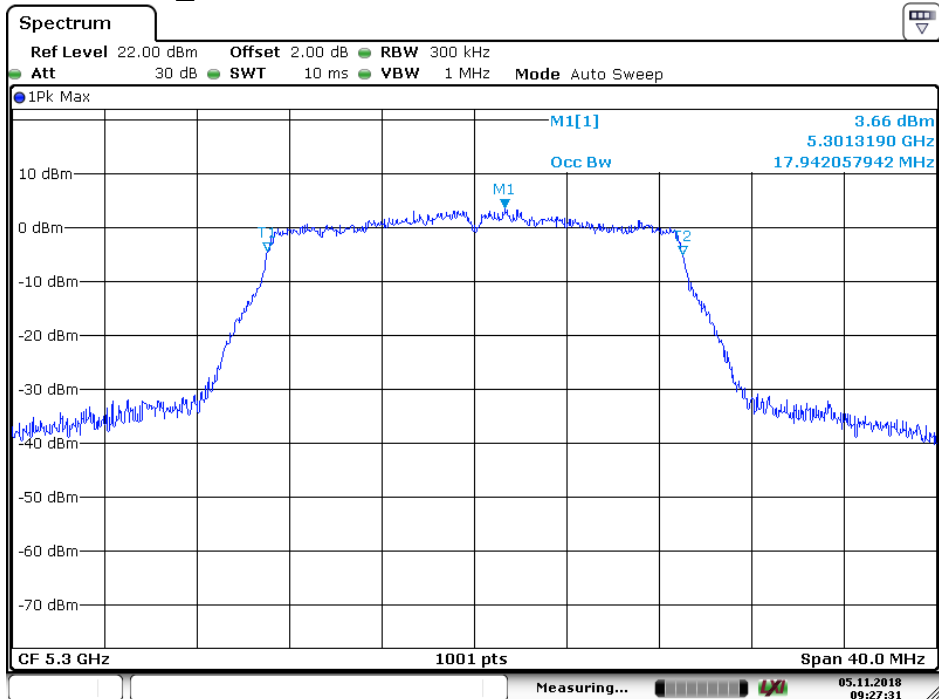


4.6.1.37 11AC20\_52 ANT 1



Date: 5 NOV .2018 09:27:12

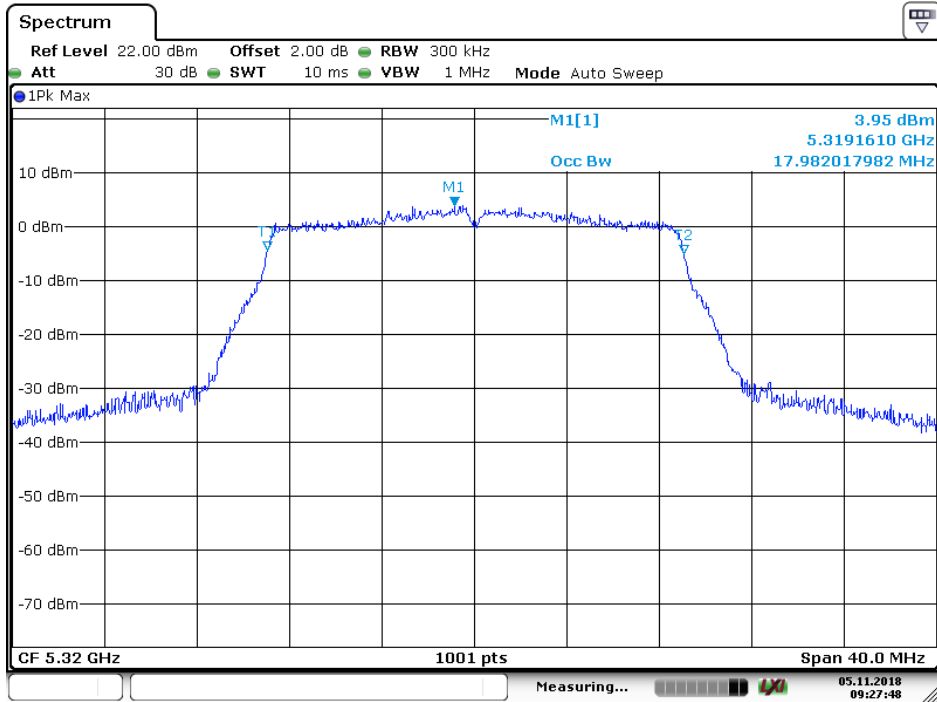
4.6.1.38 11AC20\_60 ANT 1



Date: 5 NOV .2018 09:27:31

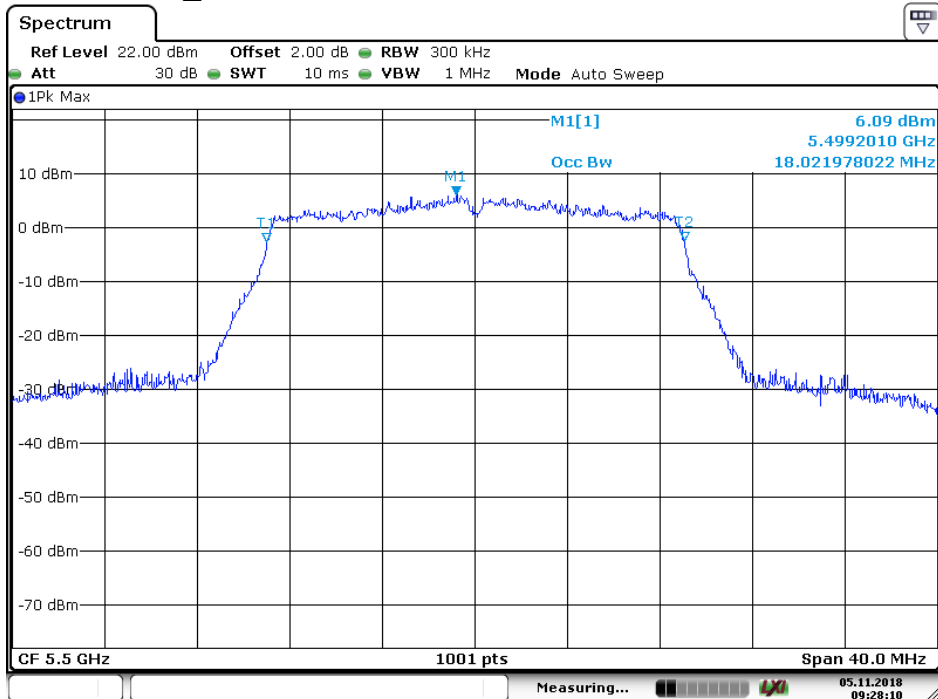


4.6.1.39 11AC20\_64 ANT 1



Date: 5 NOV .2018 09:27:49

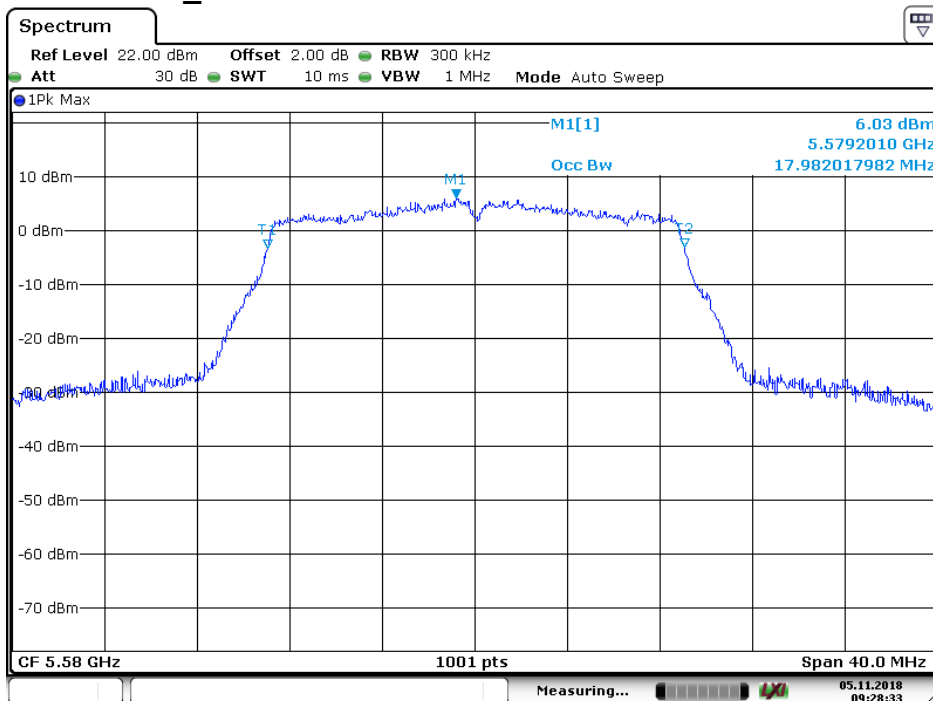
4.6.1.40 11AC20\_100 ANT 1



Date: 5 NOV .2018 09:28:11

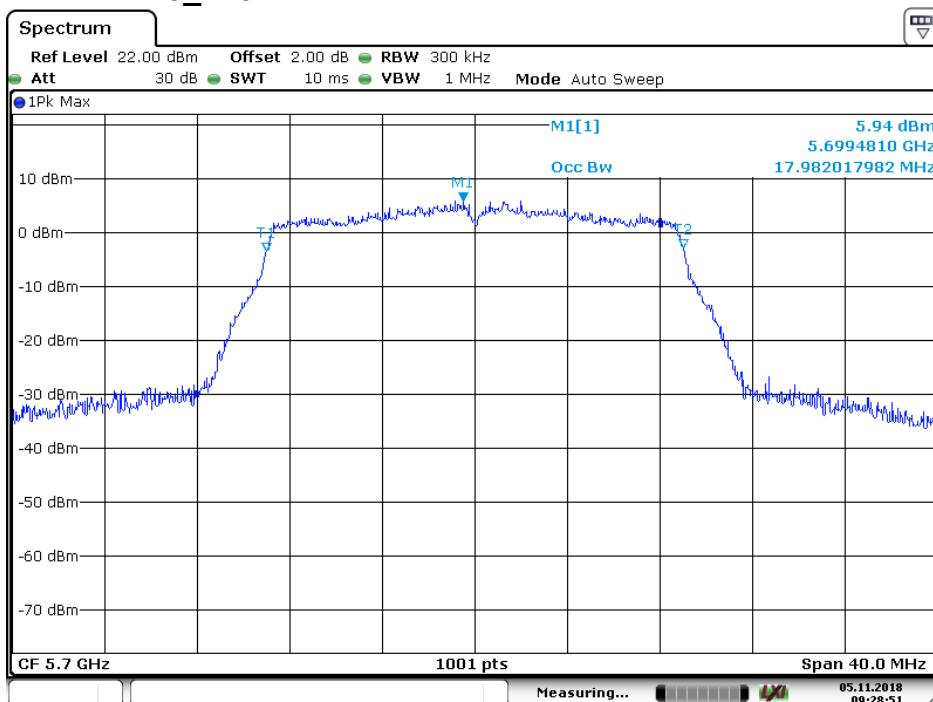


4.6.1.41 11AC20\_116 ANT 1



Date: 5 NOV.2018 09:28:34

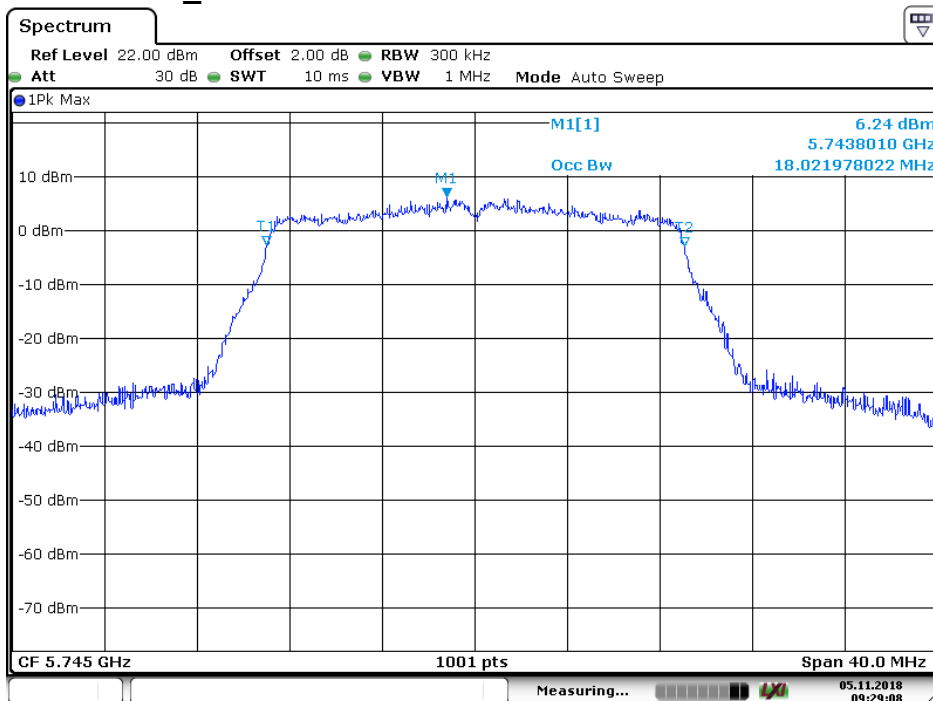
4.6.1.42 11AC20\_140 ANT 1



Date: 5 NOV.2018 09:28:51

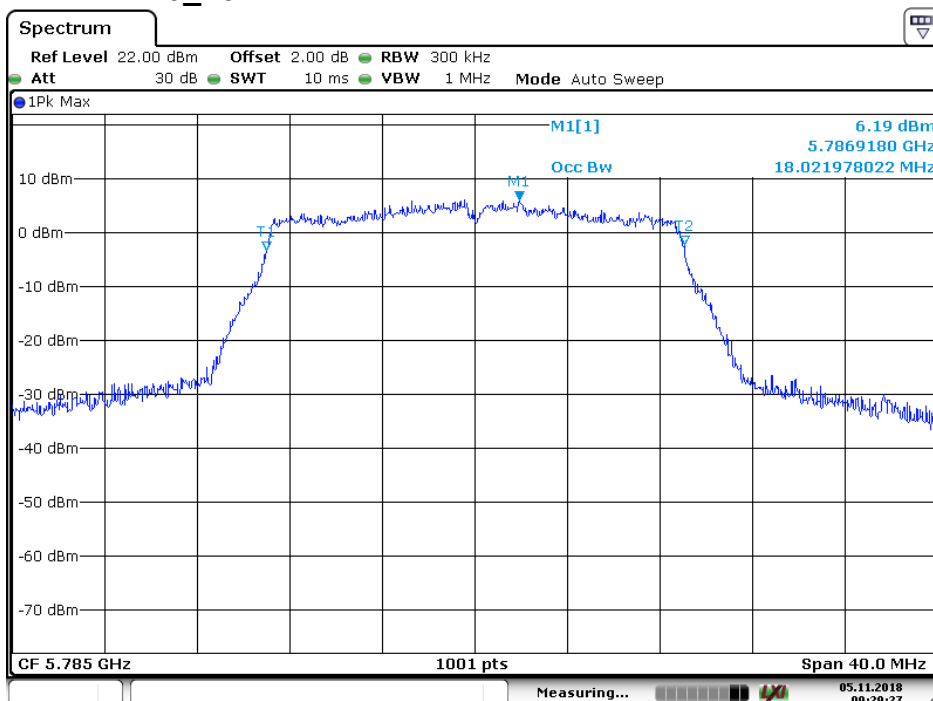


4.6.1.43 11AC20\_149 ANT 1



Date: 5 NOV.2018 09:29:08

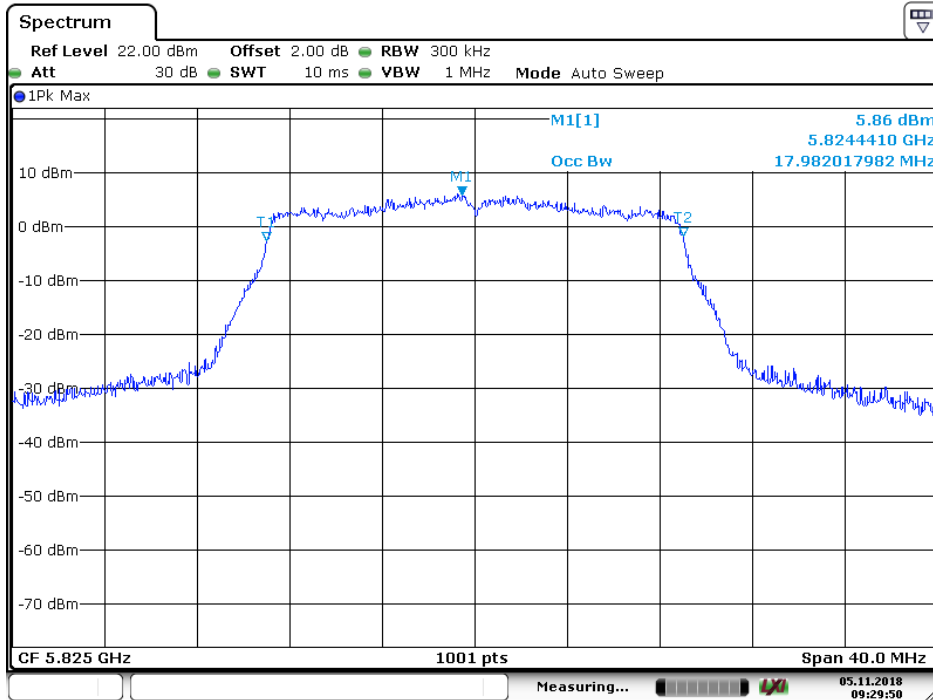
4.6.1.44 11AC20\_157 ANT 1



Date: 5 NOV.2018 09:29:28

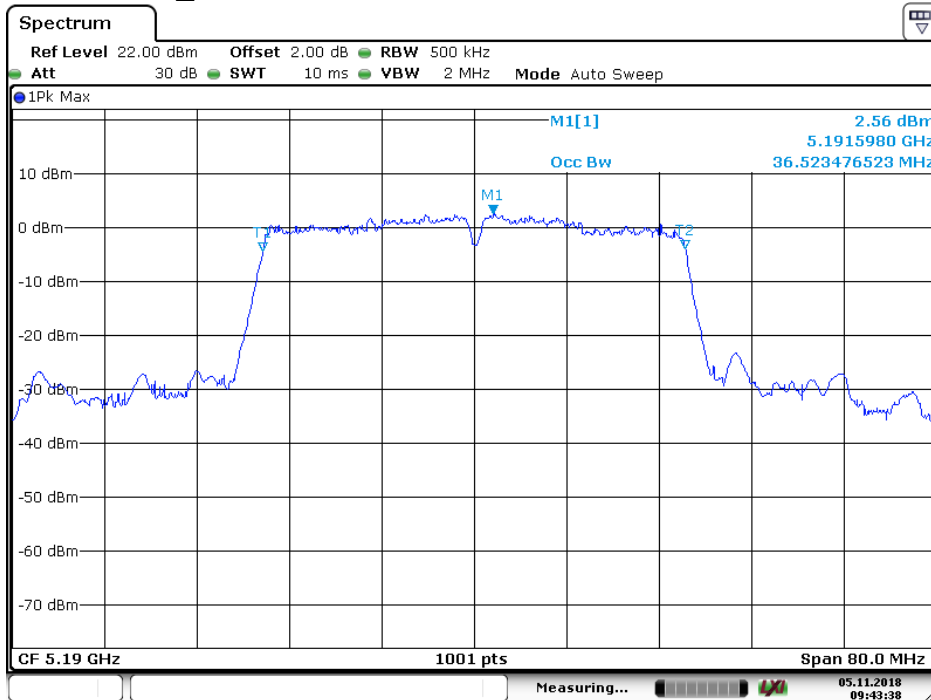


4.6.1.45 11AC20\_165 ANT 1



Date: 5 NOV.2018 09:29:49

4.6.1.46 11AC40\_38 ANT 1

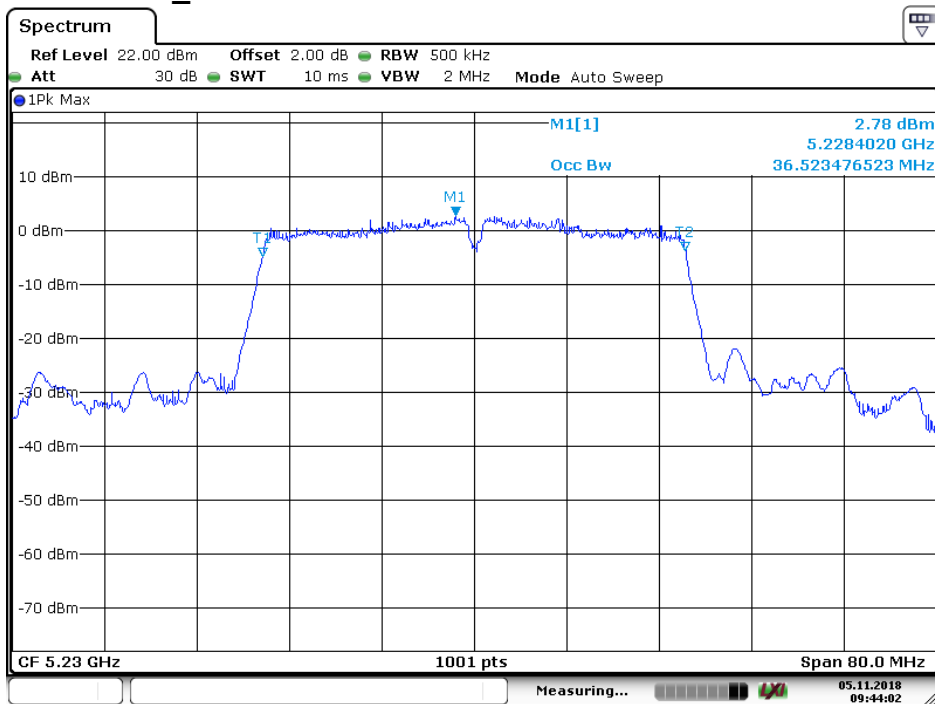


Date: 5 NOV.2018 09:43:39



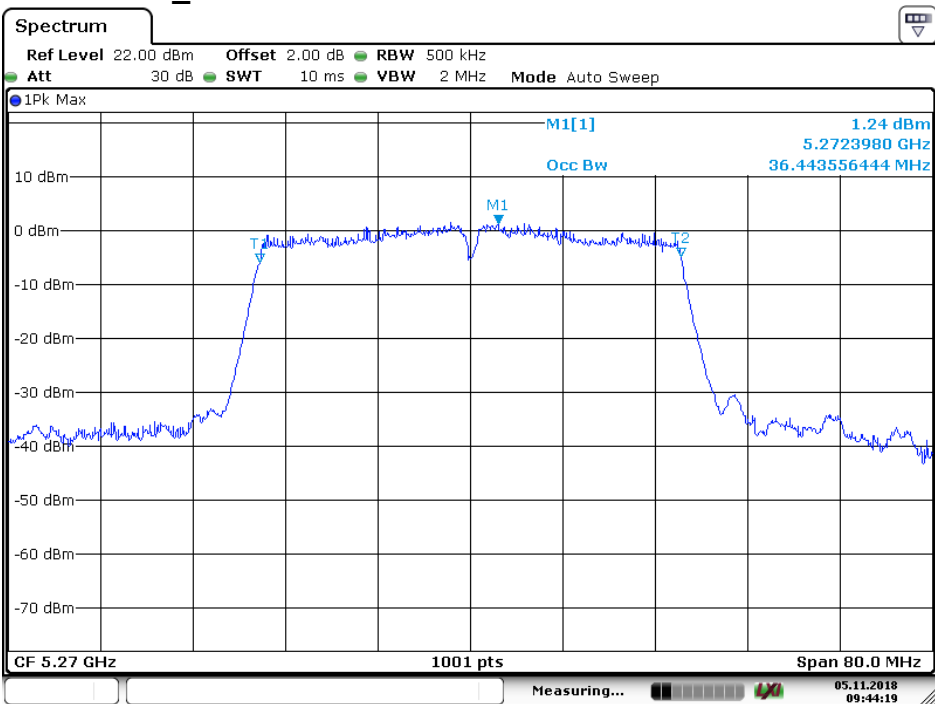


4.6.1.47 11AC40\_46 ANT 1



Date: 5 NOV 2018 09:44:03

4.6.1.48 11AC40\_54 ANT 1



Date: 5 NOV 2018 09:44:19

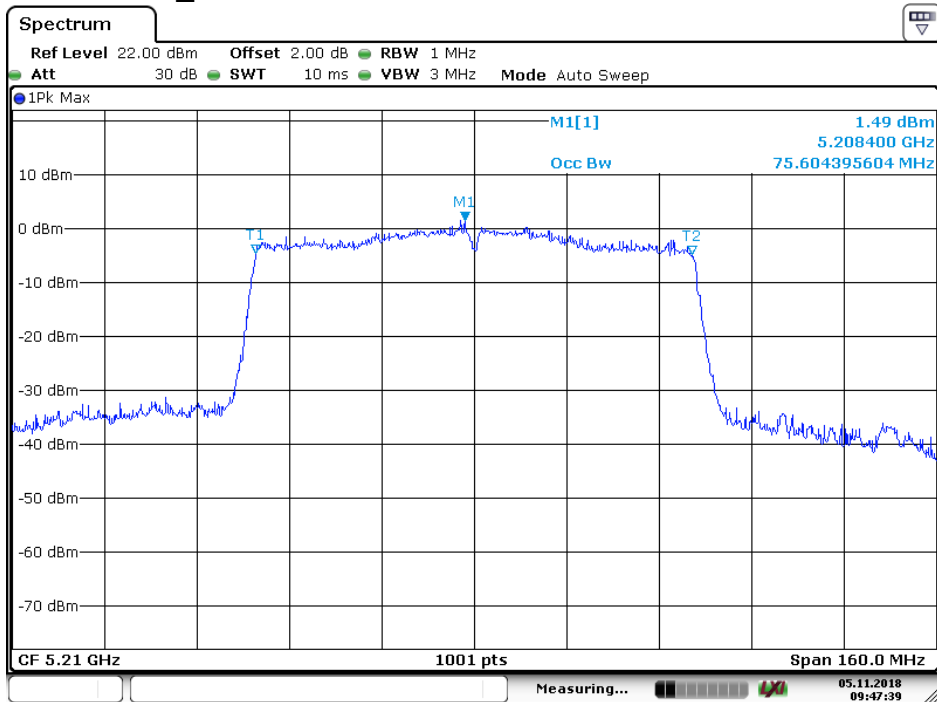






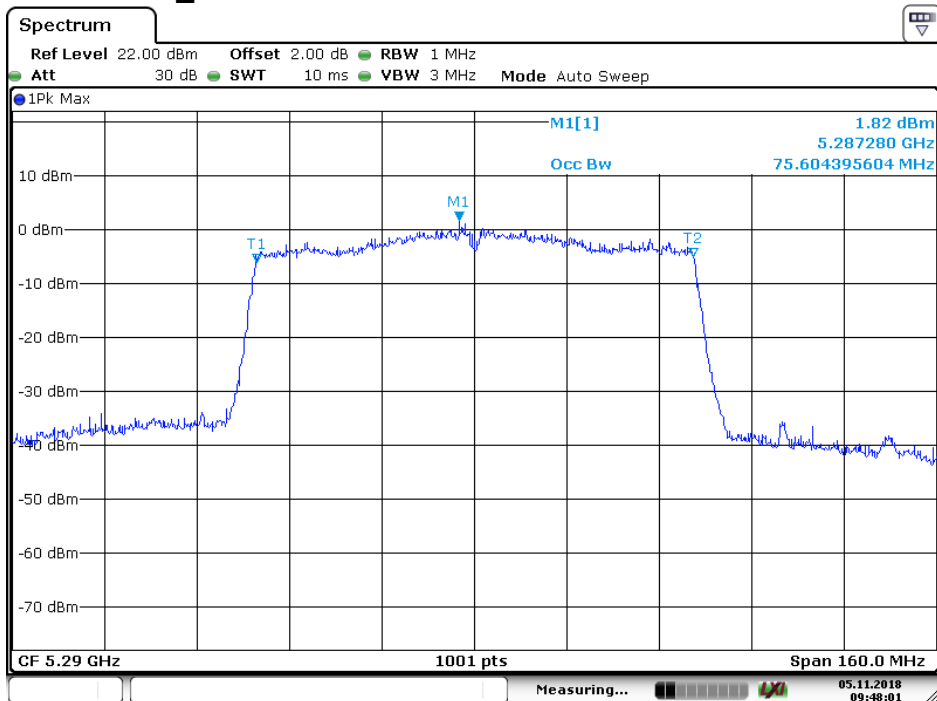


4.6.1.55 11AC80\_42 ANT 1



Date: 5 NOV .2018 09:47:40

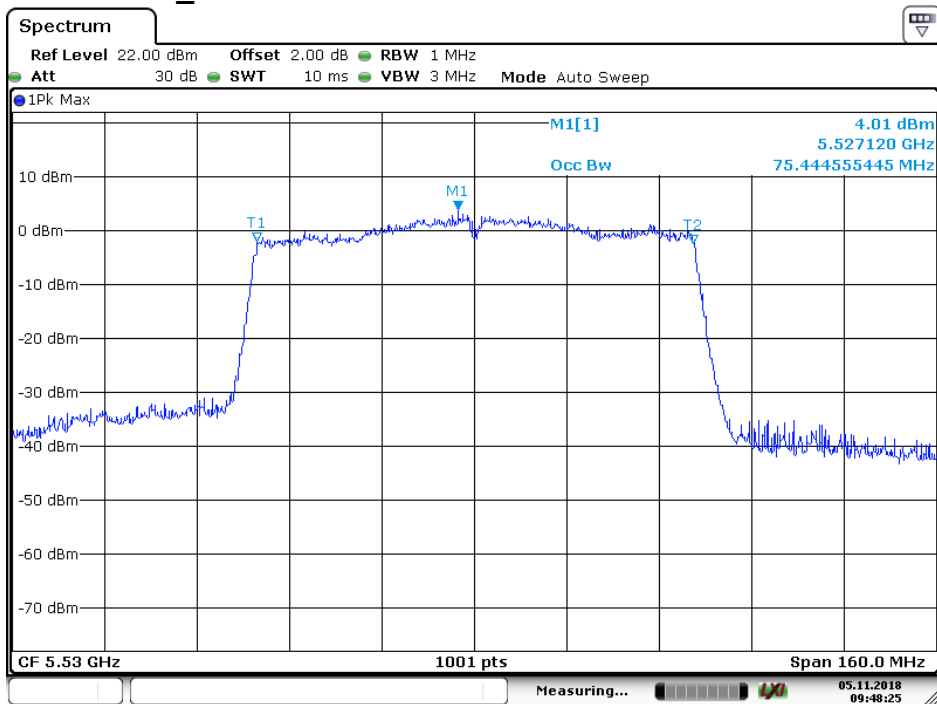
4.6.1.56 11AC80\_58 ANT 1



Date: 5 NOV .2018 09:48:01

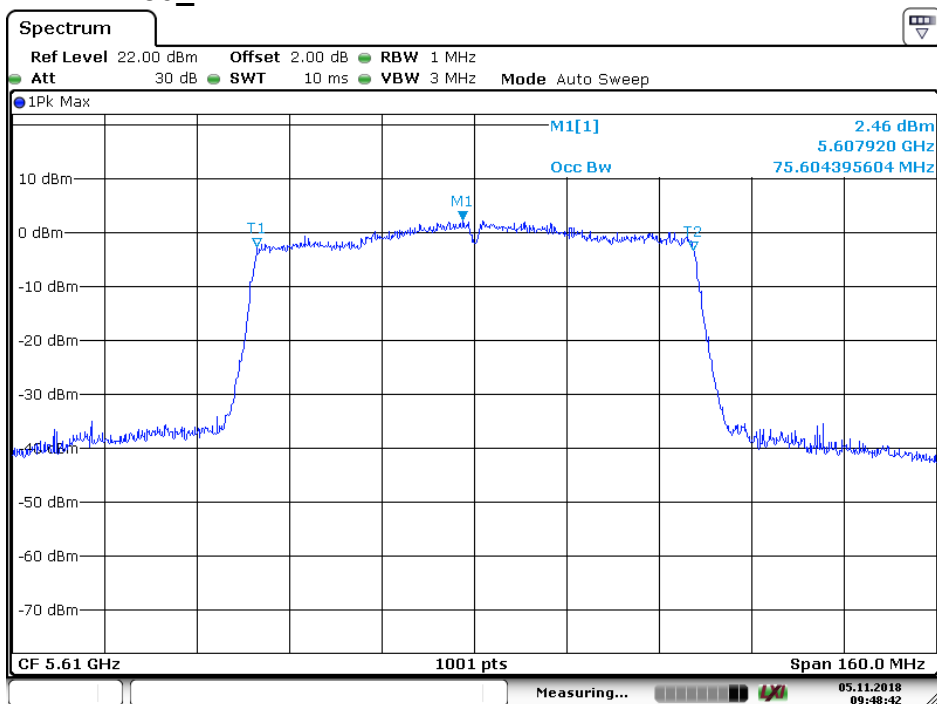


4.6.1.57 11AC80\_106 ANT 1



Date: 5 NOV .2018 09:48:25

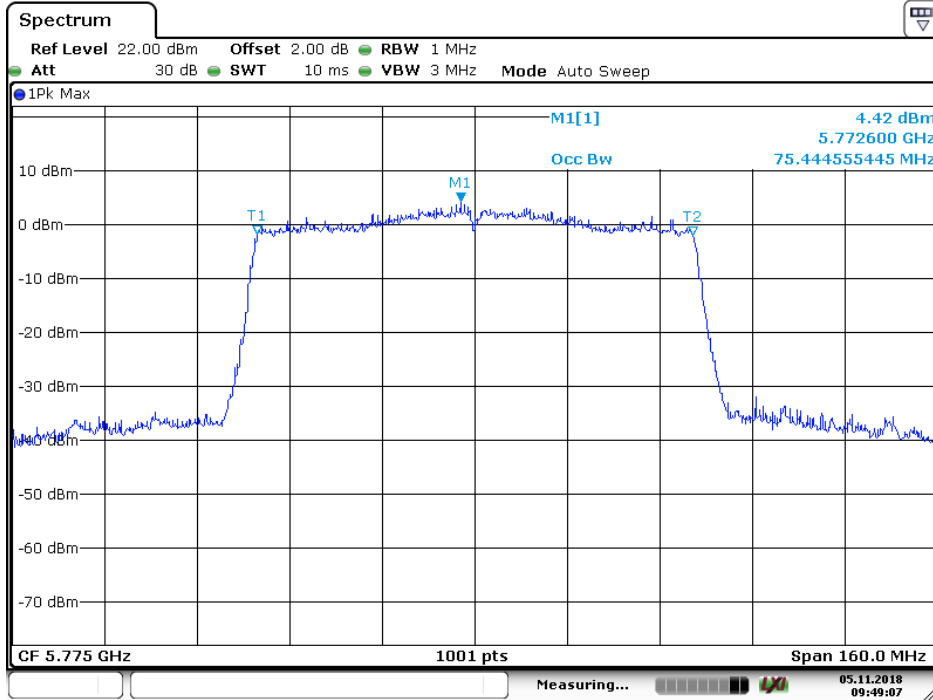
4.6.1.58 11AC80\_122 ANT 1



Date: 5 NOV .2018 09:48:43



4.6.1.59 11AC80\_155 ANT 1



Date: 5 NOV. 2018 09:49:07

### 4.7 Radiated Spurious Emissions

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

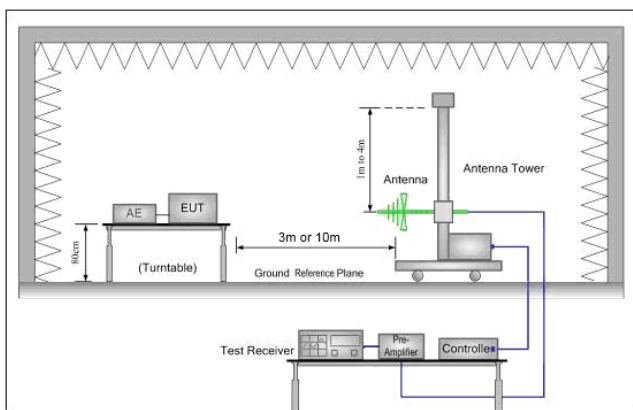


Figure 1. 30MHz to 1GHz

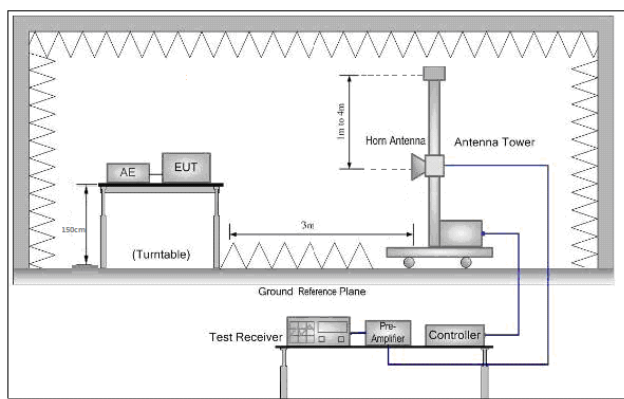


Figure 2. Above 1 GHz

Test Procedure:	<ol style="list-style-type: none"> <li>For below 1GHz test, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>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.</li> <li>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.</li> <li>For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>Test the EUT in the outermost channels.</li> <li>The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case.</li> <li>Repeat above procedures until all frequencies measured was complete.</li> </ol>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a;





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

Report No.: HR20188000503

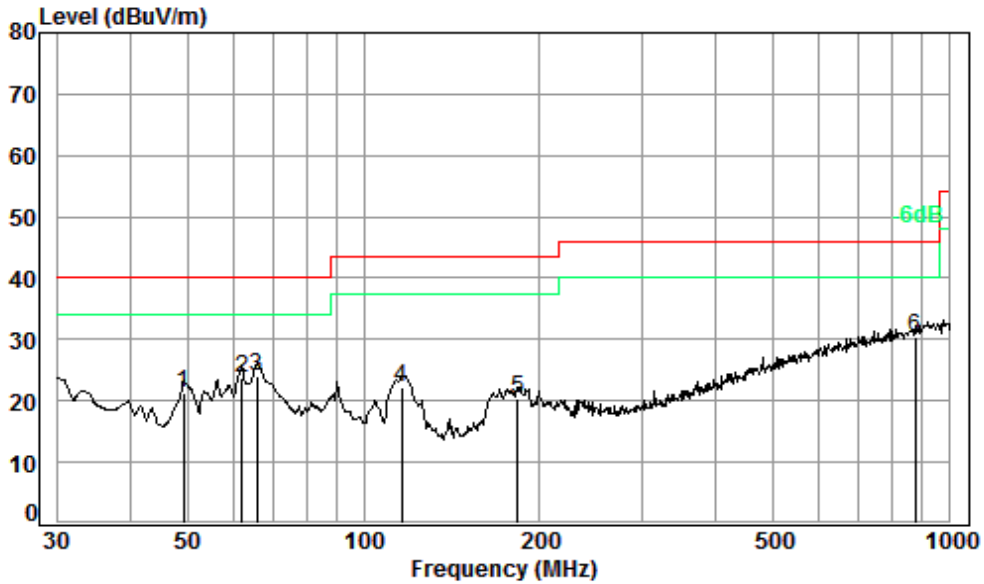
Page: 113 of 390

	MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCSAC0 of rate is the worst case of 802.11ac(HT20); MCSAC0 of rate is the worst case of 802.11ac(HT40); MCSAC0 of rate is the worst case of 802.11ac(HT80) For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case. Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass



4.7.1 Radiated emission below 1GHz

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



Condition: 3m VERTICAL  
Job No. : 80005  
Test mode: e

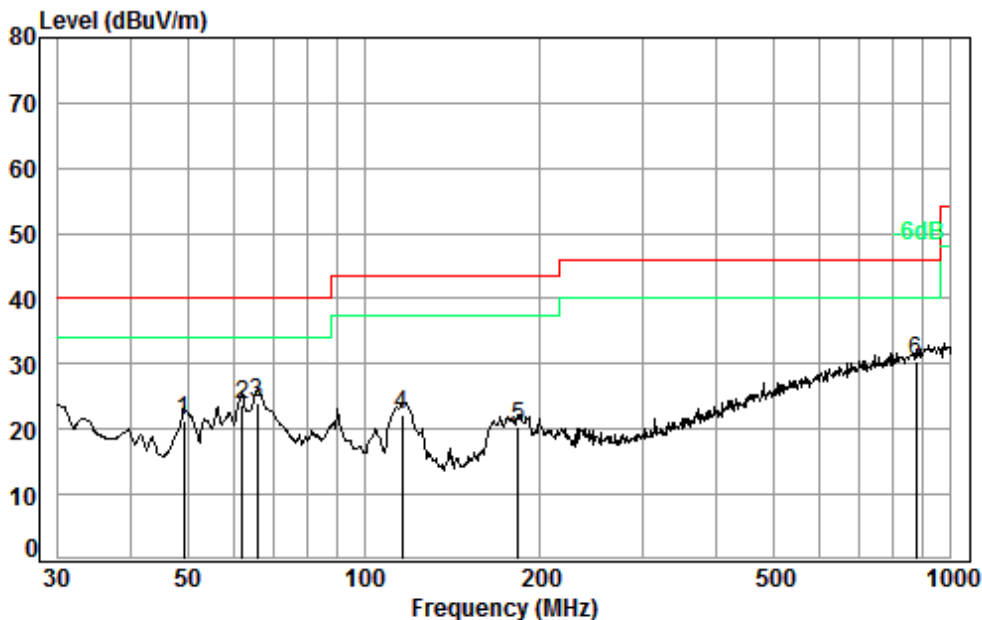
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	49.36	0.79	14.39	27.60	33.73	21.31	40.00	-18.69
2	62.00	0.80	13.12	27.55	37.36	23.73	40.00	-16.27
3	65.80	0.80	12.96	27.54	37.83	24.05	40.00	-15.95
4	116.13	1.24	13.26	27.51	35.17	22.16	43.50	-21.34
5	183.20	1.37	16.00	27.53	30.42	20.26	43.50	-23.24
6 pp	875.25	3.51	29.49	27.16	24.45	30.29	46.00	-15.71



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

Report No.: HR20188000503  
Page: 115 of 390

Test mode:	Transmitting	Horizontal
------------	--------------	------------



Condition: 3m VERTICAL

Job No. : 80005

Test mode: e

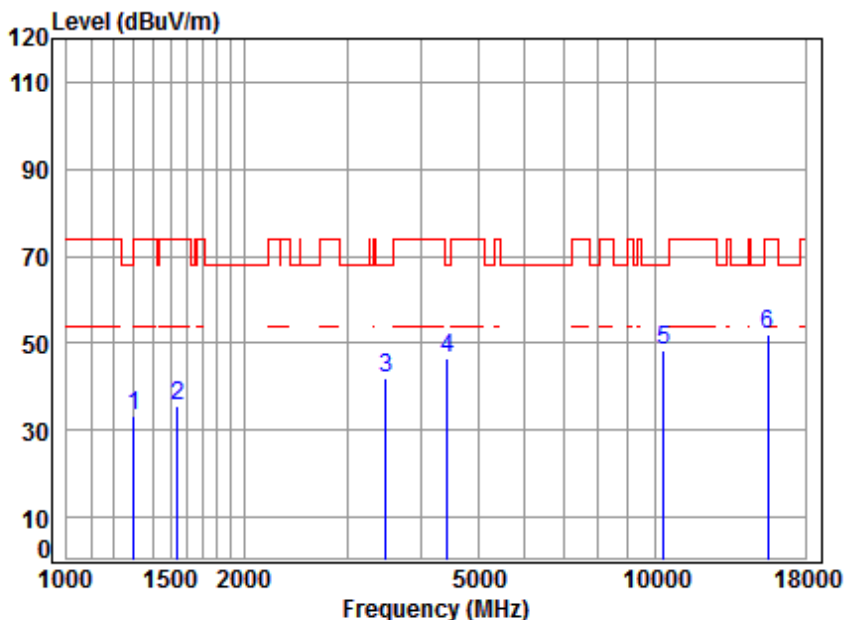
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	49.36	0.79	14.39	27.60	33.73	21.31	40.00	-18.69
2	62.00	0.80	13.12	27.55	37.36	23.73	40.00	-16.27
3	65.80	0.80	12.96	27.54	37.83	24.05	40.00	-15.95
4	116.13	1.24	13.26	27.51	35.17	22.16	43.50	-21.34
5	183.20	1.37	16.00	27.53	30.42	20.26	43.50	-23.24
6 pp	875.25	3.51	29.49	27.16	24.45	30.29	46.00	-15.71



4.7.2 Transmitter emission above 1GHz

Test plot as follows:

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



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5180 TX RSE  
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	4.80	25.03	41.26	44.53	33.10	74.00	-40.90 peak
2	1542.733	5.42	26.00	41.43	45.63	35.62	74.00	-38.38 peak
3	3485.601	6.45	31.68	42.22	46.29	42.20	68.20	-26.00 peak
4	4443.453	7.50	33.50	42.41	48.15	46.74	68.20	-21.46 peak
5	10360.000	11.19	37.76	37.45	36.77	48.27	68.20	-19.93 peak
6	15540.000	14.30	40.72	39.00	35.94	51.96	74.00	-22.04 peak

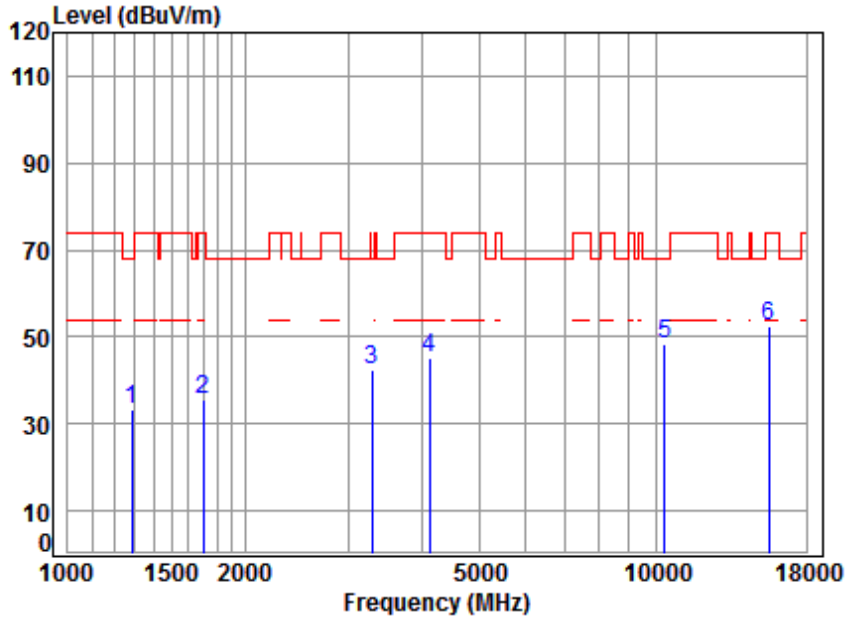


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 117 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.75	24.96	41.25	44.84	33.30	68.20	-34.90	peak
2	5.23	26.68	41.53	45.40	35.78	74.00	-38.22	peak
3	6.27	31.38	42.17	46.74	42.22	68.20	-25.98	peak
4	7.13	32.93	42.35	47.24	44.95	74.00	-29.05	peak
5	11.19	37.76	37.45	36.91	48.41	68.20	-19.79	peak
6	14.30	40.72	39.00	36.68	52.70	74.00	-21.30	peak

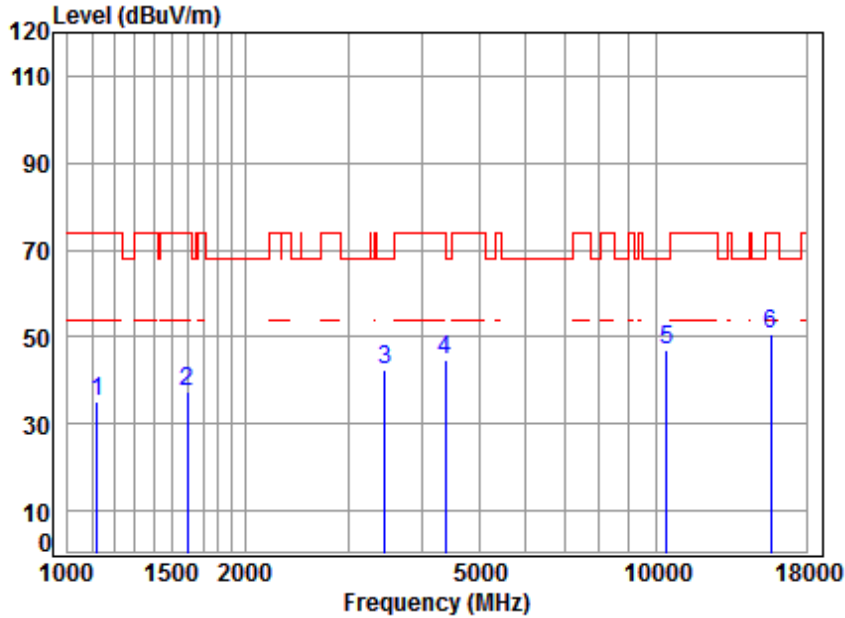


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 118 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5220 TX RSE  
 Note : 5G WIFI 11A

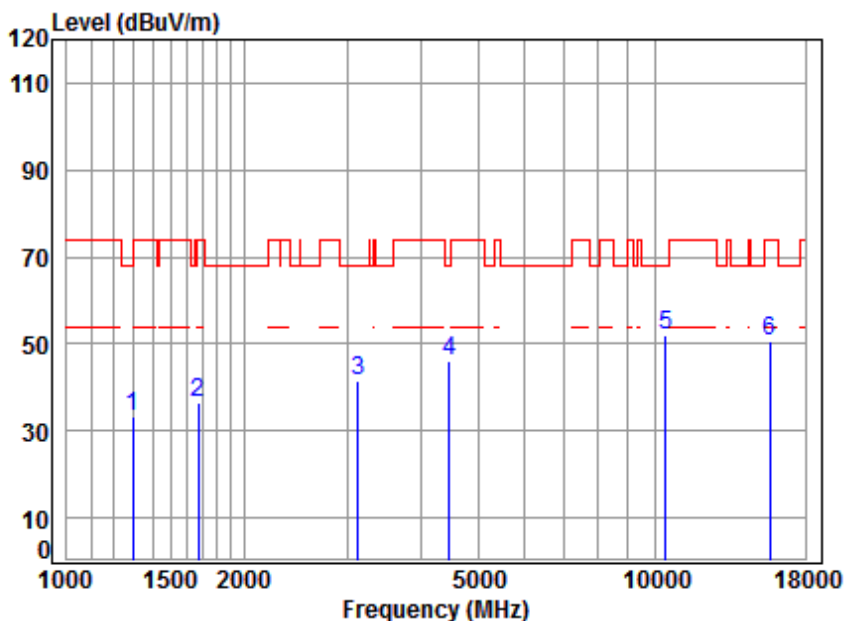
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	4.10	24.23	41.12	47.91	35.12	74.00	-38.88 peak
2	1597.181	5.35	26.24	41.47	47.24	37.36	74.00	-36.64 peak
3	3455.508	6.42	31.63	42.21	46.51	42.35	68.20	-25.85 peak
4	4392.376	7.44	33.42	42.40	46.41	44.87	74.00	-29.13 peak
5	10440.000	11.25	37.72	37.51	35.68	47.14	68.20	-21.06 peak
6	15660.000	14.48	40.80	39.11	34.62	50.79	74.00	-23.21 peak



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

Report No.: HR20188000503  
Page: 119 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5220 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1293.359	4.77	25.00	41.26	44.97	33.48	68.20	-34.72 peak
2	1672.779	5.26	26.56	41.52	46.01	36.31	74.00	-37.69 peak
3	3132.079	6.11	31.12	42.13	46.55	41.65	68.20	-26.55 peak
4	4469.214	7.53	33.55	42.41	47.40	46.07	68.20	-22.13 peak
5	10440.000	11.25	37.72	37.51	40.42	51.88	68.20	-16.32 peak
6	15660.000	14.48	40.80	39.11	34.54	50.71	74.00	-23.29 peak

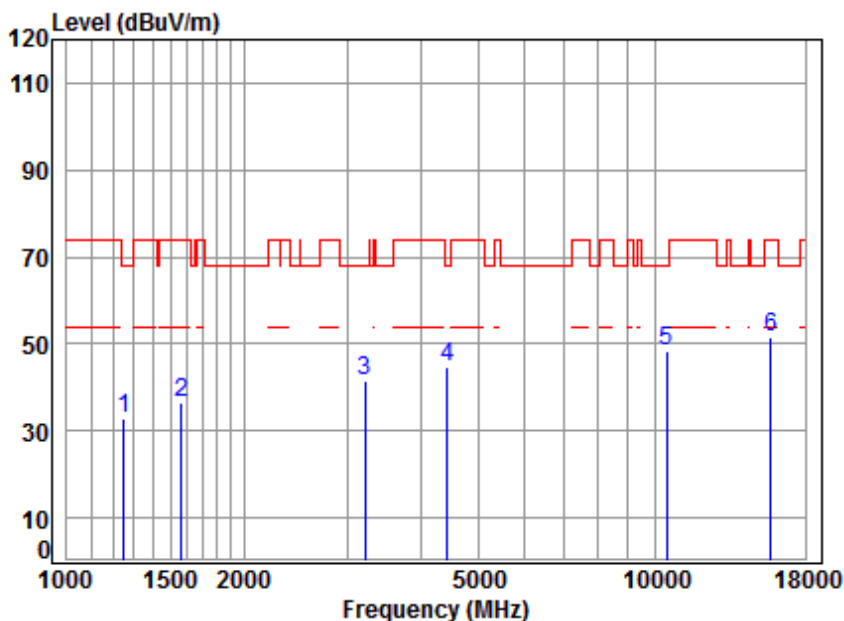
This document is issued by the Company subject to its General Conditions of Service printed overleaf, -available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 120 of 390

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



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5240 TX RSE  
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1249.269	4.61	24.81	41.22	44.84	33.04	68.20	-35.16 peak
2	1565.191	5.39	26.10	41.45	46.48	36.52	74.00	-37.48 peak
3	3214.623	6.20	31.26	42.15	46.40	41.71	68.20	-26.49 peak
4	4443.453	7.50	33.50	42.41	46.18	44.77	68.20	-23.43 peak
5	10480.000	11.28	37.71	37.53	36.88	48.34	68.20	-19.86 peak
6	15720.000	14.57	40.83	39.17	35.48	51.71	74.00	-22.29 peak

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



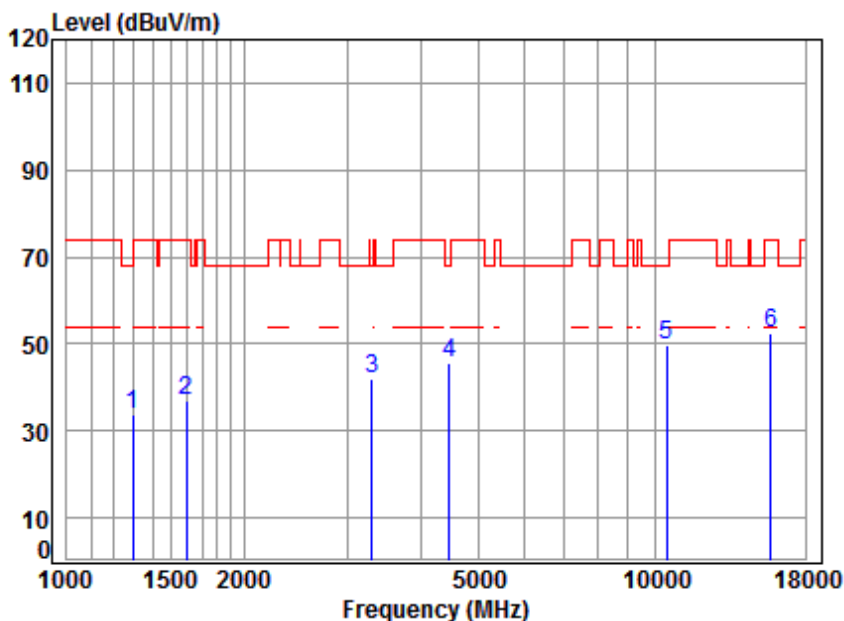


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 121 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.79	25.01	41.26	45.02	33.56	68.20	-34.64	peak
2	5.35	26.24	41.47	46.75	36.87	74.00	-37.13	peak
3	6.28	31.39	42.17	46.60	42.10	68.20	-26.10	peak
4	7.53	33.55	42.41	47.05	45.72	68.20	-22.48	peak
5	11.28	37.71	37.53	38.19	49.65	68.20	-18.55	peak
6	14.57	40.83	39.17	36.37	52.60	74.00	-21.40	peak

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

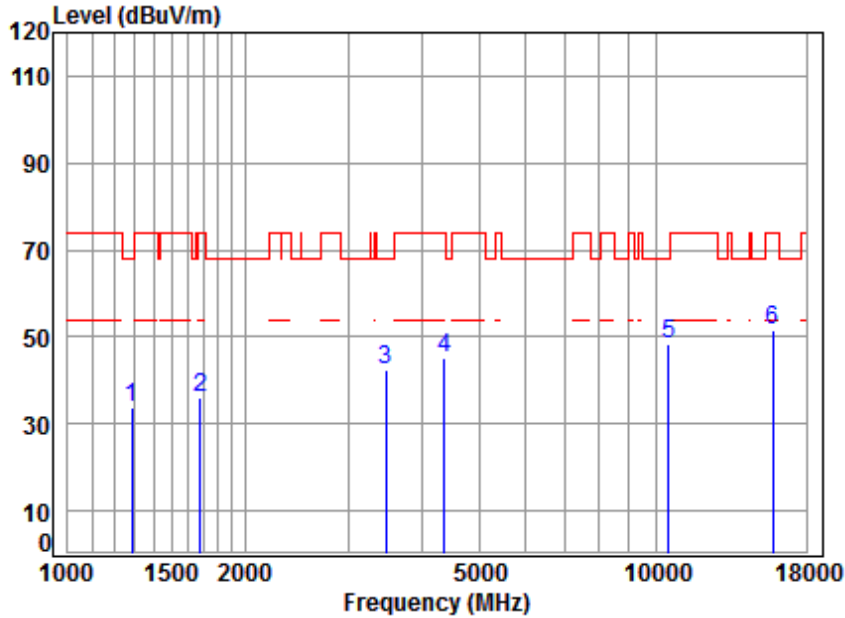


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 122 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1285.904	4.75	24.96	41.25	45.16	33.62	68.20	-34.58 peak
2	1677.621	5.25	26.58	41.52	45.79	36.10	74.00	-37.90 peak
3	3475.541	6.44	31.66	42.22	46.39	42.27	68.20	-25.93 peak
4	4367.058	7.41	33.37	42.39	46.77	45.16	74.00	-28.84 peak
5	10520.000	11.30	37.70	37.56	36.90	48.34	68.20	-19.86 peak
6	15780.000	14.66	40.87	39.22	35.36	51.67	74.00	-22.33 peak

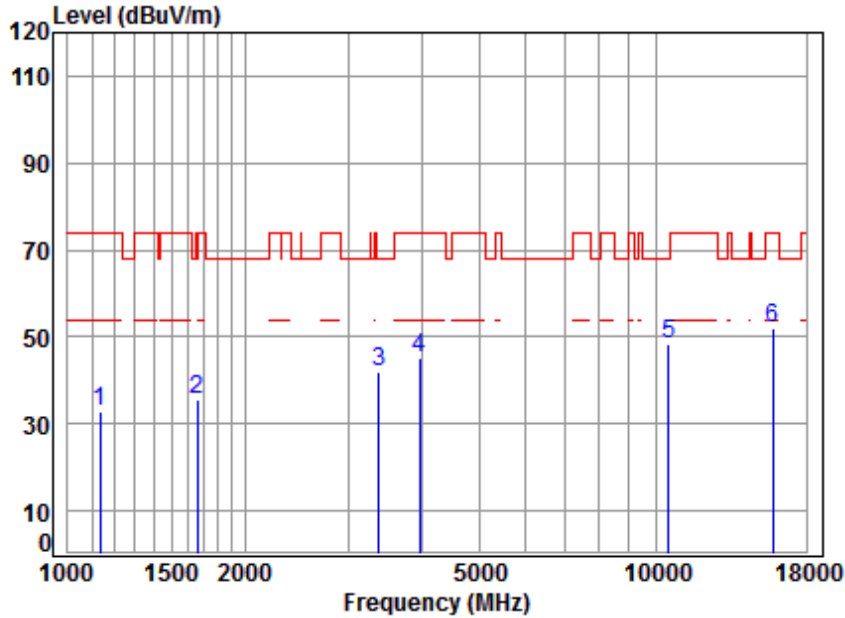


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 123 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.16	24.29	41.13	45.63	32.95	74.00	-41.05	peak
2	5.27	26.52	41.51	45.37	35.65	74.00	-38.35	peak
3	6.35	31.51	42.19	46.53	42.20	68.20	-26.00	peak
4	6.95	32.64	42.32	47.94	45.21	74.00	-28.79	peak
5	11.30	37.70	37.56	36.98	48.42	68.20	-19.78	peak
6	14.66	40.87	39.22	35.74	52.05	74.00	-21.95	peak

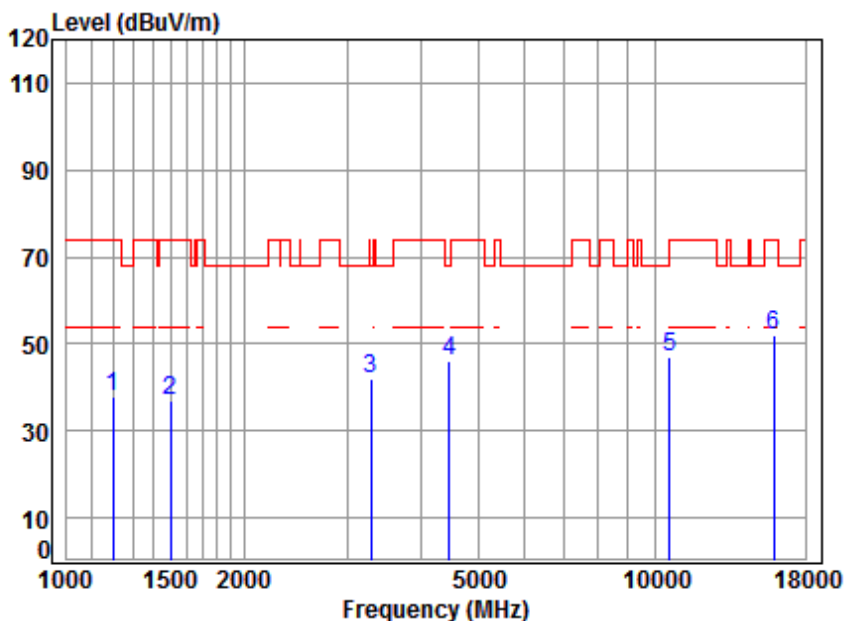
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 124 of 390

Test mode:	802.11a	Frequency(MHz):	5300	Peak	Vertical
------------	---------	-----------------	------	------	----------



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5300 TX RSE  
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	49.87	37.70	74.00	-36.30 peak
2	1503.119	5.48	25.81	41.41	47.01	36.89	74.00	-37.11 peak
3	3289.821	6.27	31.38	42.17	46.41	41.89	68.20	-26.31 peak
4	4469.214	7.53	33.55	42.41	47.54	46.21	68.20	-21.99 peak
5	10600.000	11.36	37.72	37.62	35.45	46.91	68.20	-21.29 peak
6	15900.000	14.84	40.94	39.33	35.39	51.84	74.00	-22.16 peak

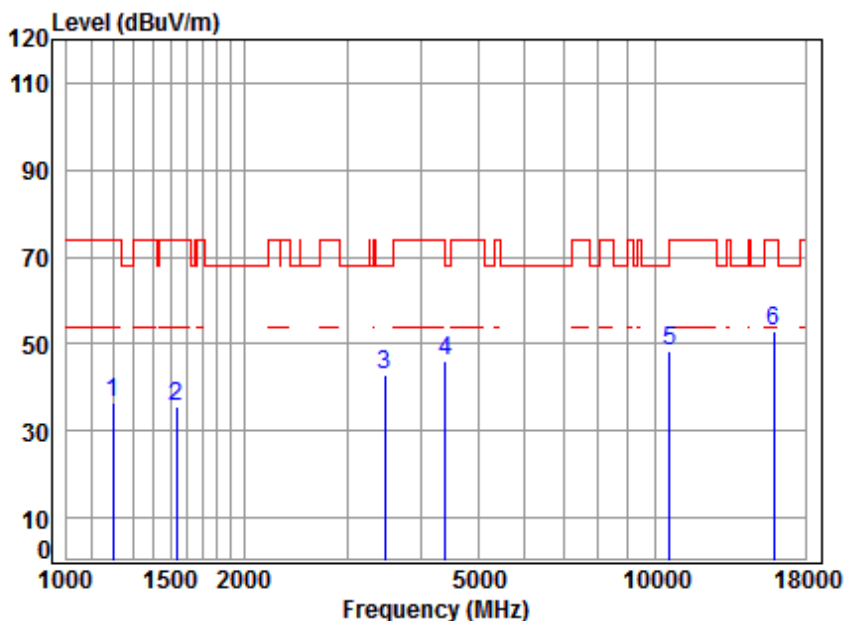
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 125 of 390

Test mode:	802.11a	Frequency(MHz):	5300	Peak	Horizontal
------------	---------	-----------------	------	------	------------



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5300 TX RSE  
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	4.42	24.59	41.18	48.88	36.71	74.00	-37.29	peak
2	1538.281	5.43	25.98	41.43	45.60	35.58	74.00	-38.42	peak
3	3475.541	6.44	31.66	42.22	47.04	42.92	68.20	-25.28	peak
4	4405.090	7.46	33.44	42.40	47.52	46.02	68.20	-22.18	peak
5	10600.000	11.36	37.72	37.62	37.02	48.48	68.20	-19.72	peak
6	15900.000	14.84	40.94	39.33	36.55	53.00	74.00	-21.00	peak

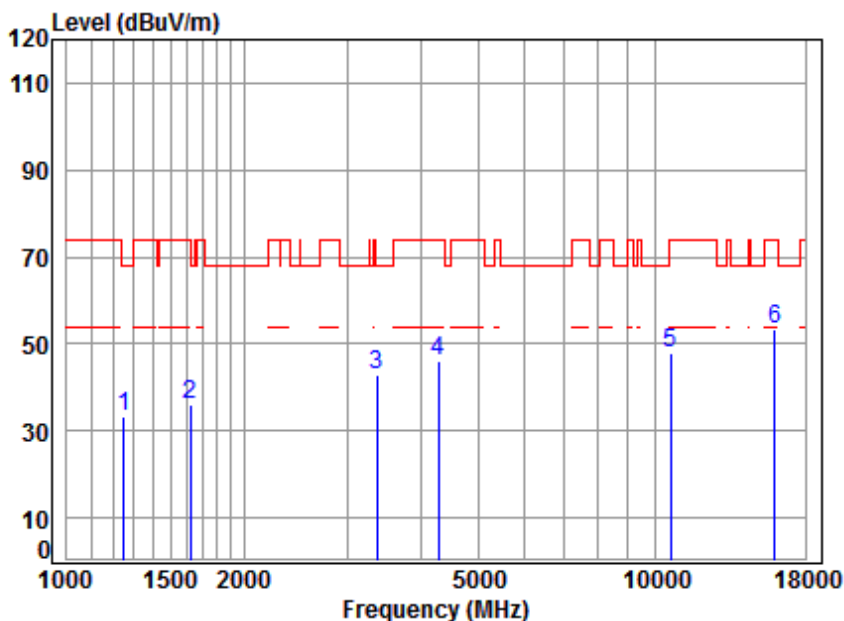
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 126 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1252.885	4.62	24.82	41.23	45.30	33.51	68.20	-34.69 peak
2	1625.121	5.32	26.36	41.49	45.72	35.91	74.00	-38.09 peak
3	3366.778	6.34	31.50	42.19	47.36	43.01	68.20	-25.19 peak
4	4291.977	7.33	33.24	42.38	47.73	45.92	74.00	-28.08 peak
5	10640.000	11.39	37.73	37.64	36.38	47.86	74.00	-26.14 peak
6	15960.000	14.93	40.98	39.38	36.71	53.24	74.00	-20.76 peak

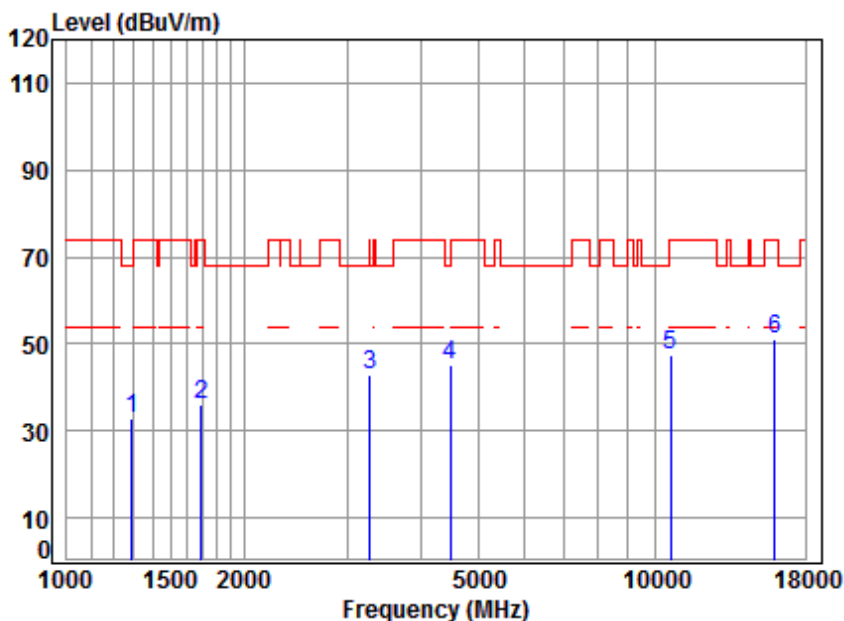
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 127 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.76	24.98	41.25	44.41	32.90	68.20	-35.30	peak
2	5.24	26.64	41.53	45.83	36.18	74.00	-37.82	peak
3	6.26	31.36	42.17	47.22	42.67	68.20	-25.53	peak
4	7.55	33.59	42.42	46.63	45.35	68.20	-22.85	peak
5	11.39	37.73	37.64	36.05	47.53	74.00	-26.47	peak
6	14.93	40.98	39.38	34.68	51.21	74.00	-22.79	peak

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

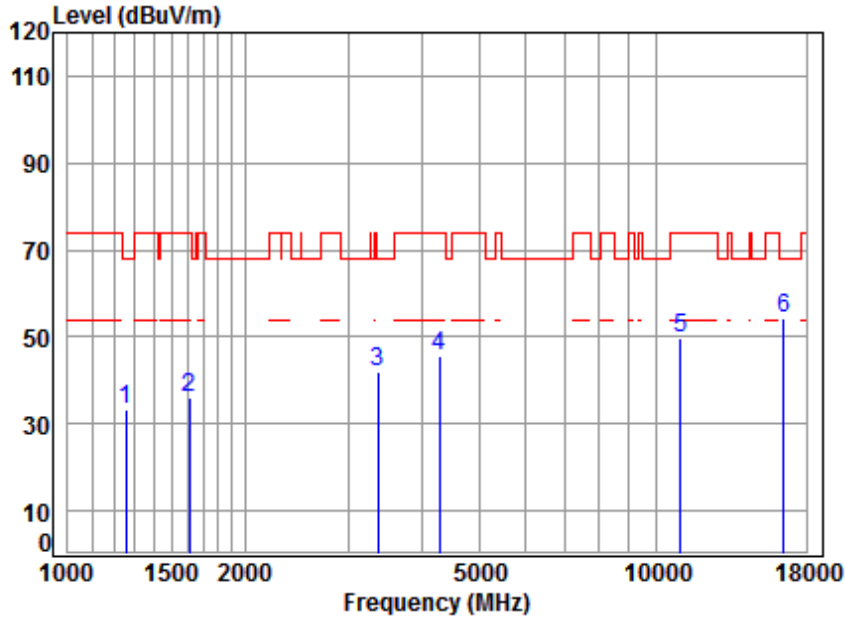


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 128 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5500 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	4.64	24.84	41.23	45.15	33.40	68.20	-34.80	peak
2	1611.091	5.34	26.30	41.48	45.87	36.03	74.00	-37.97	peak
3	3366.778	6.34	31.50	42.19	46.11	41.76	68.20	-26.44	peak
4	4291.977	7.33	33.24	42.38	47.39	45.58	74.00	-28.42	peak
5	11000.000	11.63	37.80	37.88	38.32	49.87	74.00	-24.13	peak
6	16500.000	14.50	42.20	39.86	37.23	54.07	68.20	-14.13	peak

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



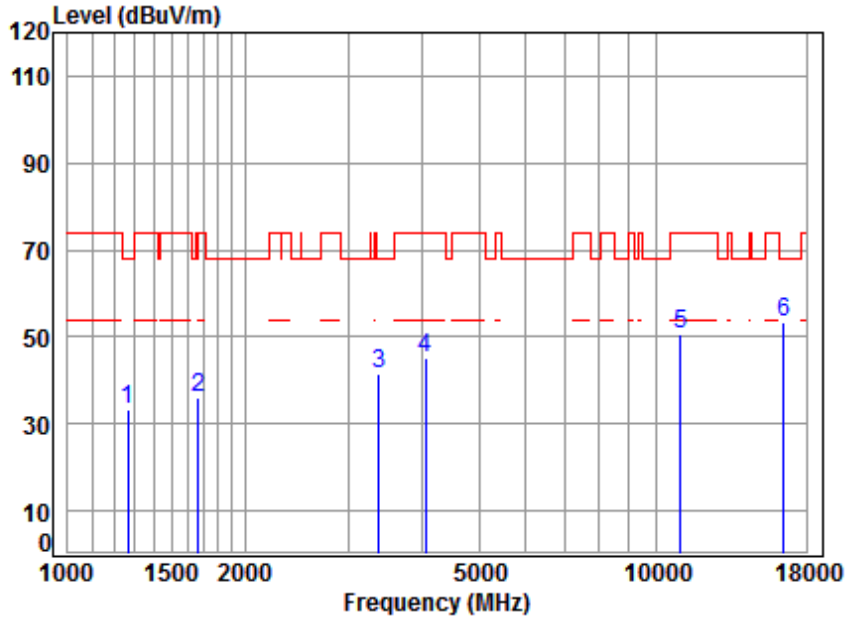


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 129 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5500 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	
1	1267.454	4.68	24.89	41.24	45.06	33.39	68.20	-34.81 peak
2	1667.951	5.27	26.54	41.51	45.97	36.27	74.00	-37.73 peak
3	3376.523	6.35	31.51	42.19	45.75	41.42	68.20	-26.78 peak
4	4050.904	7.04	32.80	42.34	47.64	45.14	74.00	-28.86 peak
5	11000.000	11.63	37.80	37.88	39.12	50.67	74.00	-23.33 peak
6	16500.000	14.50	42.20	39.86	36.50	53.34	68.20	-14.86 peak

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

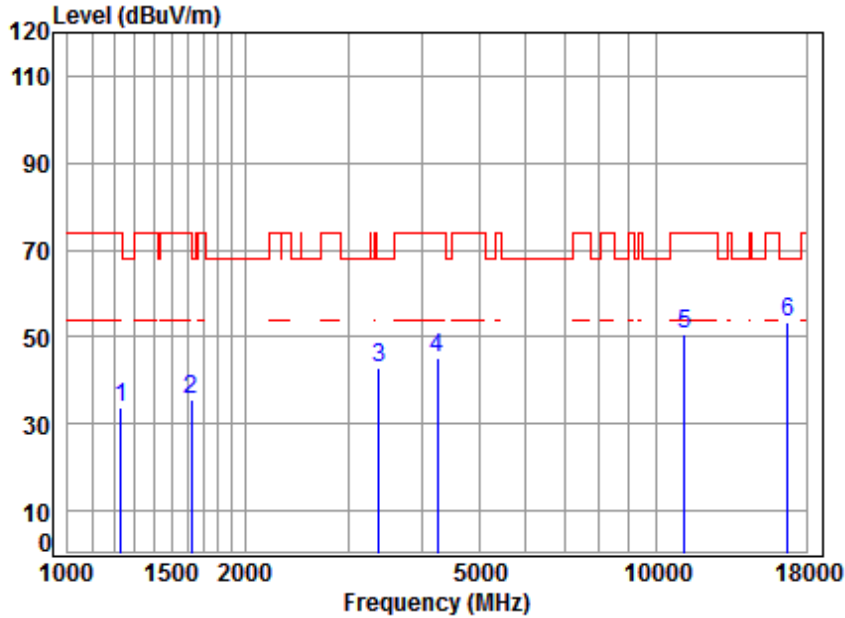


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 130 of 390

Test mode:	802.11a	Frequency(MHz):	5580	Peak	Vertical
------------	---------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1231.345	4.54	24.73	41.21	45.52	33.58	74.00	-40.42 peak
2	1625.121	5.32	26.36	41.49	45.32	35.51	74.00	-38.49 peak
3	3386.297	6.36	31.53	42.19	47.38	43.08	68.20	-25.12 peak
4	4242.641	7.27	33.15	42.37	47.20	45.25	74.00	-28.75 peak
5	11160.000	11.80	37.83	37.98	38.91	50.56	74.00	-23.44 peak
6	16740.000	15.57	42.39	40.07	35.33	53.22	68.20	-14.98 peak

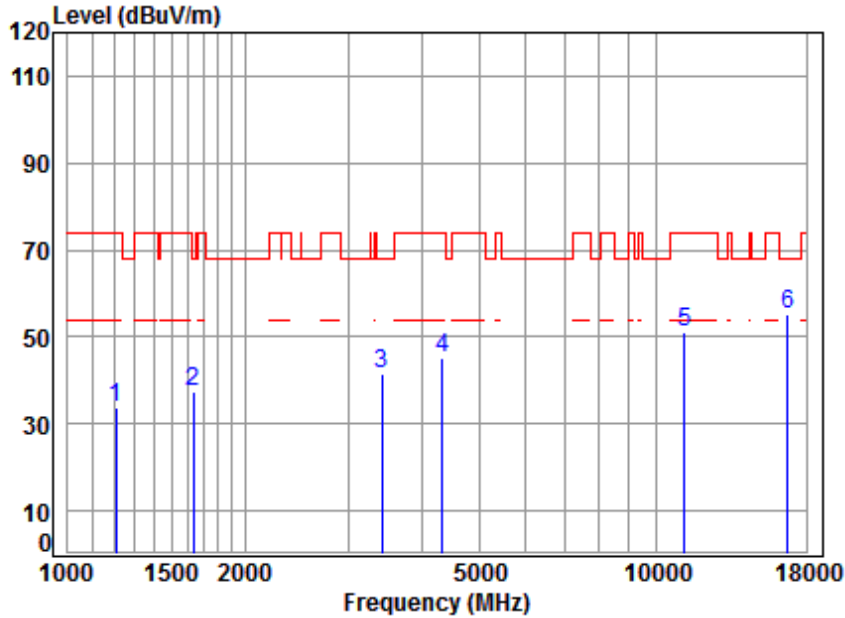
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 131 of 390

Test mode:	802.11a	Frequency(MHz):	5580	Peak	Horizontal
------------	---------	-----------------	------	------	------------



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5580 TX RSE  
Note : 5G WIFI 11A

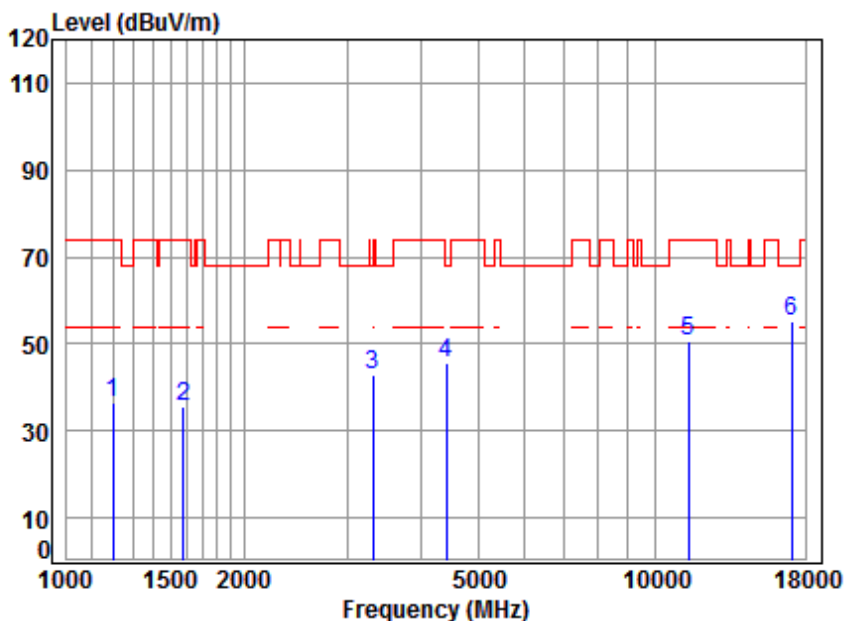
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1206.682	4.44	24.62	41.19	45.86	33.73	74.00	-40.27 peak
2	1634.543	5.31	26.40	41.49	46.98	37.20	68.20	-31.00 peak
3	3425.675	6.39	31.59	42.20	45.68	41.46	68.20	-26.74 peak
4	4341.886	7.38	33.33	42.39	46.98	45.30	74.00	-28.70 peak
5	11160.000	11.80	37.83	37.98	39.42	51.07	74.00	-22.93 peak
6	16740.000	15.57	42.39	40.07	37.23	55.12	68.20	-13.08 peak



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

Report No.: HR20188000503  
Page: 132 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.42	24.59	41.18	48.83	36.66	74.00	-37.34	peak
2	5.38	26.16	41.46	45.60	35.68	74.00	-38.32	peak
3	6.29	31.42	42.18	47.25	42.78	68.20	-25.42	peak
4	7.47	33.46	42.40	46.92	45.45	68.20	-22.75	peak
5	12.04	37.88	38.13	38.73	50.52	74.00	-23.48	peak
6	16.49	42.66	40.37	36.37	55.15	68.20	-13.05	peak

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

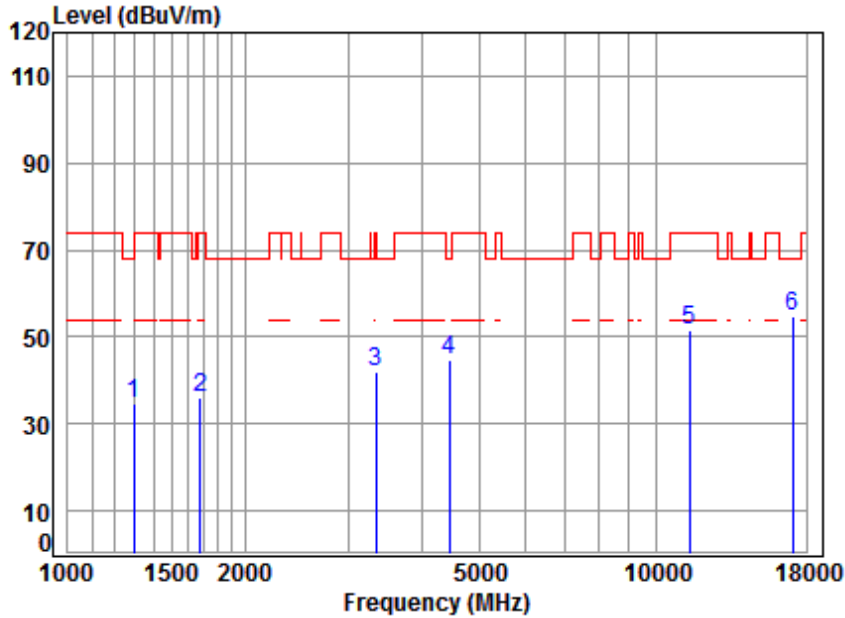


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 133 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11A

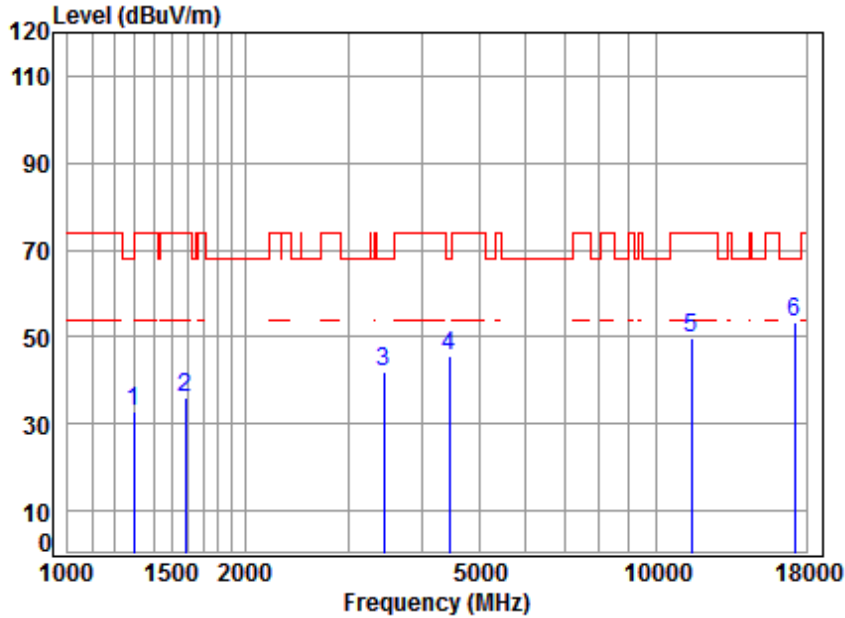
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	4.79	25.01	41.26	46.14	34.68	68.20	-33.52 peak
2	1677.621	5.25	26.58	41.52	45.86	36.17	74.00	-37.83 peak
3	3347.371	6.32	31.47	42.19	46.40	42.00	74.00	-32.00 peak
4	4456.315	7.51	33.53	42.41	46.22	44.85	68.20	-23.35 peak
5	11400.000	12.04	37.88	38.13	39.55	51.34	74.00	-22.66 peak
6	17100.000	16.49	42.66	40.37	35.97	54.75	68.20	-13.45 peak



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

Report No.: HR20188000503  
 Page: 134 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11A

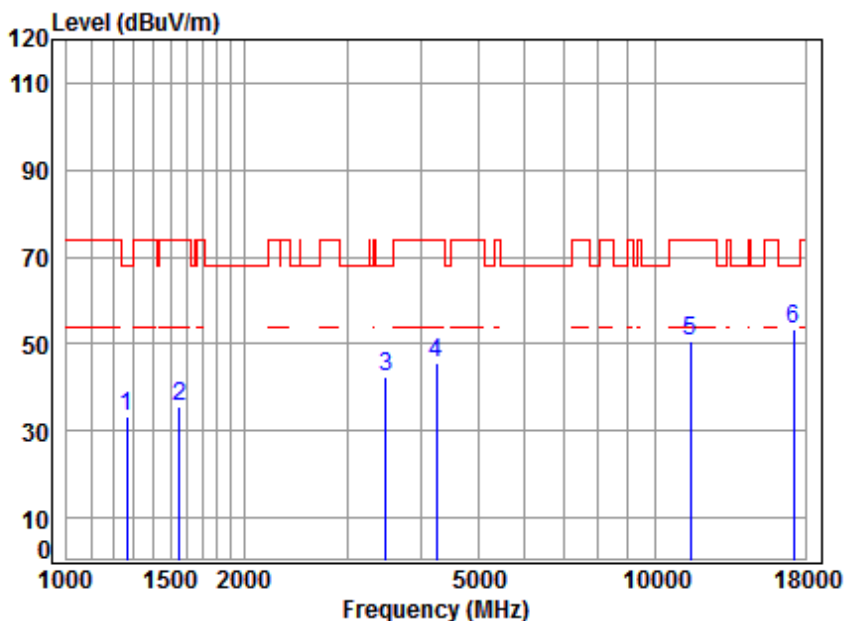
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1293.359	4.77	25.00	41.26	44.28	32.79	68.20	-35.41 peak
2	1583.392	5.37	26.18	41.46	46.01	36.10	74.00	-37.90 peak
3	3445.535	6.41	31.62	42.21	46.38	42.20	68.20	-26.00 peak
4	4456.315	7.51	33.53	42.41	46.88	45.51	68.20	-22.69 peak
5	11490.000	12.13	37.90	38.19	37.92	49.76	74.00	-24.24 peak
6	17235.000	16.18	42.74	40.48	35.13	53.57	68.20	-14.63 peak



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

Report No.: HR20188000503  
Page: 135 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.68	24.89	41.24	45.04	33.37	68.20	-34.83	peak
2	5.41	26.04	41.44	45.78	35.79	74.00	-38.21	peak
3	6.45	31.68	42.22	46.38	42.29	68.20	-25.91	peak
4	7.28	33.17	42.37	47.54	45.62	74.00	-28.38	peak
5	12.13	37.90	38.19	38.61	50.45	74.00	-23.55	peak
6	16.18	42.74	40.48	34.97	53.41	68.20	-14.79	peak

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

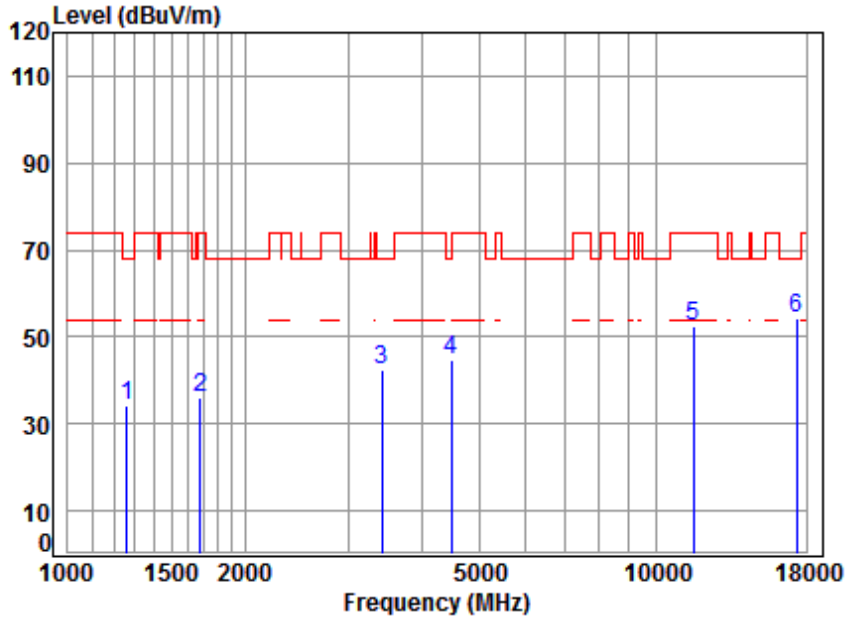


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 136 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1260.149	4.65	24.85	41.23	45.73	34.00	68.20	-34.20 peak
2	1677.621	5.25	26.58	41.52	45.56	35.87	74.00	-38.13 peak
3	3415.787	6.38	31.57	42.20	46.80	42.55	68.20	-25.65 peak
4	4482.150	7.54	33.57	42.41	46.21	44.91	68.20	-23.29 peak
5	11570.000	12.17	37.87	38.24	40.76	52.56	74.00	-21.44 peak
6	17355.000	15.92	42.81	40.58	36.13	54.28	68.20	-13.92 peak

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

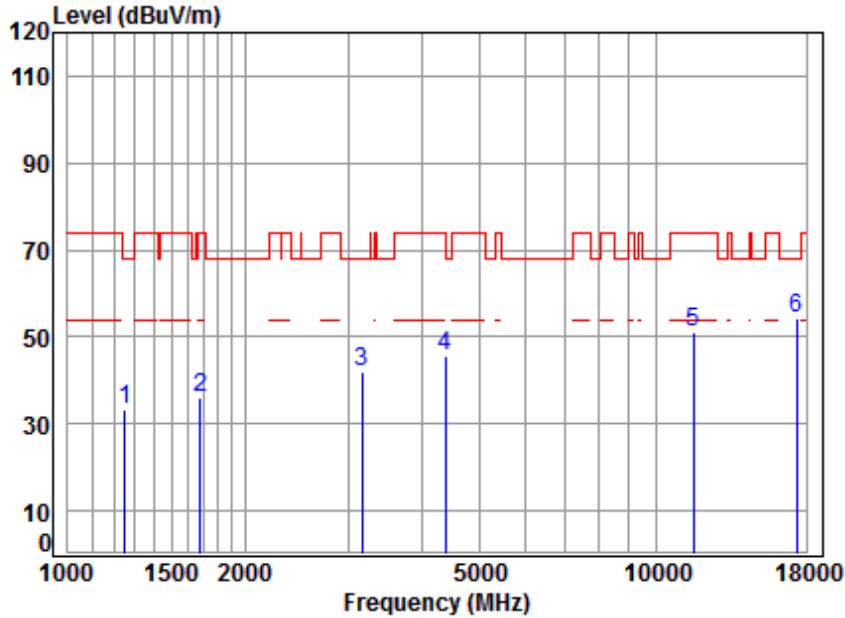




**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503  
Page: 137 of 390

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



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5785 TX RSE  
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1249.269	4.61	24.81	41.22	45.03	33.23	68.20	-34.97 peak
2	1677.621	5.25	26.58	41.52	45.61	35.92	74.00	-38.08 peak
3	3168.500	6.15	31.18	42.14	46.97	42.16	68.20	-26.04 peak
4	4392.376	7.44	33.42	42.40	47.13	45.59	74.00	-28.41 peak
5	11570.000	12.17	37.87	38.24	39.09	50.89	74.00	-23.11 peak
6	17355.000	15.92	42.81	40.58	36.06	54.21	68.20	-13.99 peak

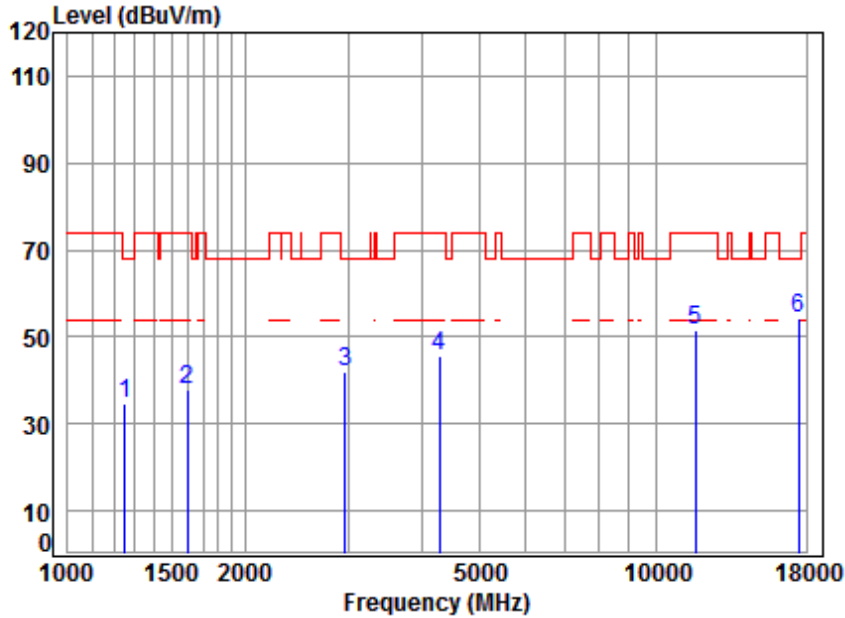


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 138 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	4.62	24.82	41.23	46.34	34.55	68.20	-33.65	peak
2	1597.181	5.35	26.24	41.47	47.85	37.97	74.00	-36.03	peak
3	2964.712	5.96	30.76	42.09	47.55	42.18	68.20	-26.02	peak
4	4291.977	7.33	33.24	42.38	47.32	45.51	74.00	-28.49	peak
5	11650.000	12.20	37.84	38.29	40.04	51.79	74.00	-22.21	peak
6	17475.000	15.65	42.89	40.68	36.43	54.29	68.20	-13.91	peak

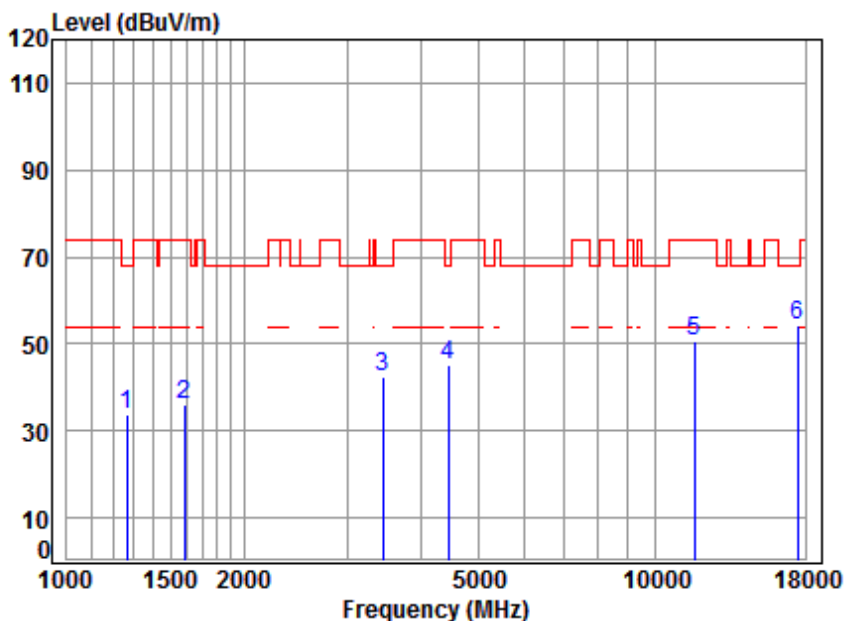
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 139 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	1263.796	4.66	24.87	41.23	45.33	68.20	-34.57	peak
2	1587.975	5.37	26.20	41.46	46.09	74.00	-37.80	peak
3	3445.535	6.41	31.62	42.21	46.42	68.20	-25.96	peak
4	4456.315	7.51	33.53	42.41	46.58	68.20	-22.99	peak
5	11650.000	12.20	37.84	38.29	39.02	74.00	-23.23	peak
6	17475.000	15.65	42.89	40.68	36.31	68.20	-14.03	peak

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

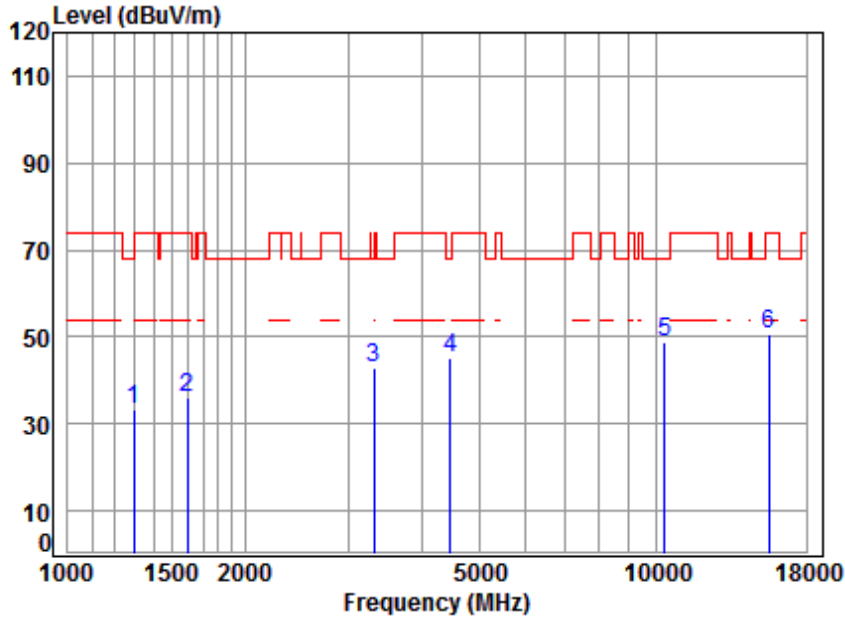


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 140 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	4.79	25.01	41.26	44.61	33.15	68.20	-35.05 peak
2	1597.181	5.35	26.24	41.47	46.12	36.24	74.00	-37.76 peak
3	3318.471	6.29	31.42	42.18	47.57	43.10	68.20	-25.10 peak
4	4469.214	7.53	33.55	42.41	46.72	45.39	68.20	-22.81 peak
5	10360.000	11.19	37.76	37.45	37.43	48.93	68.20	-19.27 peak
6	15540.000	14.30	40.72	39.00	34.65	50.67	74.00	-23.33 peak

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

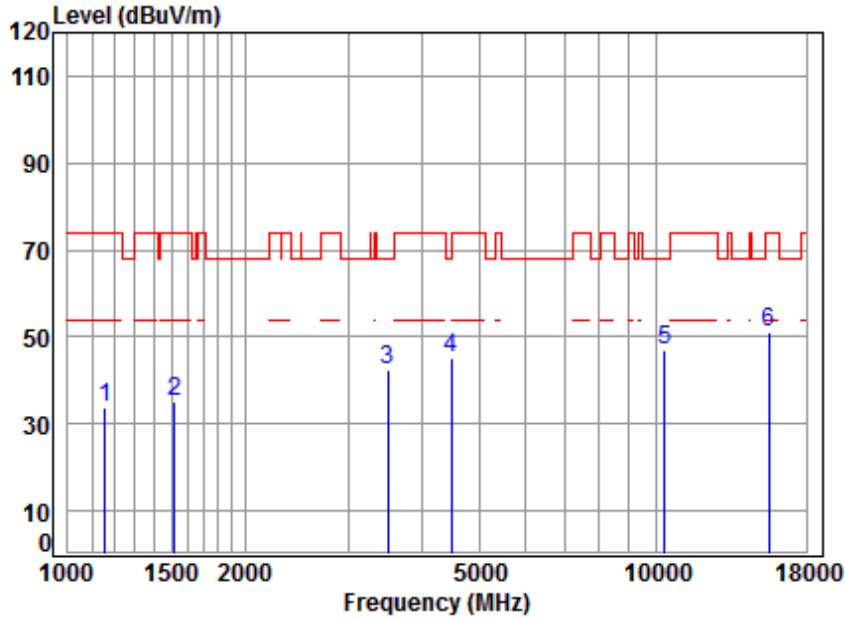


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 141 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	4.25	24.40	41.15	46.26	33.76	74.00	-40.24
2	5.45	25.89	41.42	45.37	35.29	74.00	-38.71
3	6.46	31.69	42.22	46.73	42.66	68.20	-25.54
4	7.55	33.59	42.42	46.31	45.03	68.20	-23.17
5	11.19	37.76	37.45	35.51	47.01	68.20	-21.19
6	14.30	40.72	39.00	35.30	51.32	74.00	-22.68

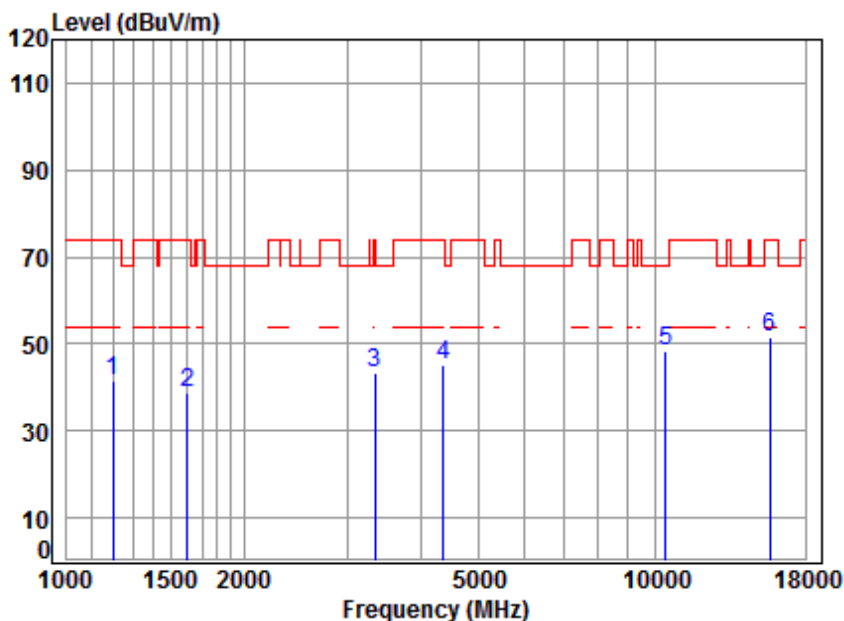
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 142 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5220 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	53.76	41.59	74.00	-32.41 peak
2	1601.804	5.35	26.26	41.47	48.46	38.60	74.00	-35.40 peak
3	3337.710	6.31	31.45	42.18	47.67	43.25	74.00	-30.75 peak
4	4367.058	7.41	33.37	42.39	46.72	45.11	74.00	-28.89 peak
5	10440.000	11.25	37.72	37.51	36.81	48.27	68.20	-19.93 peak
6	15660.000	14.48	40.80	39.11	35.42	51.59	74.00	-22.41 peak

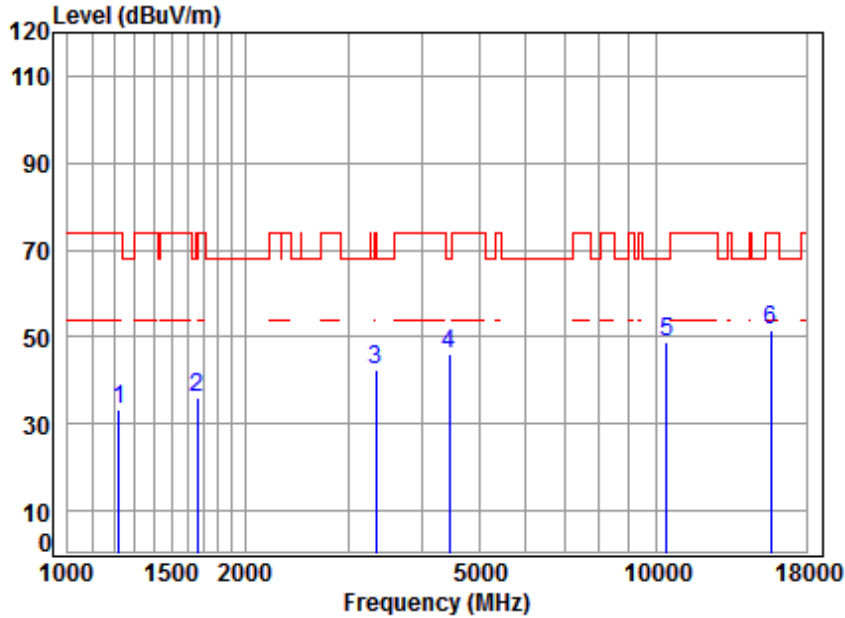
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 143 of 390

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



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5220 TX RSE  
Note : 5G WIFI 11N20

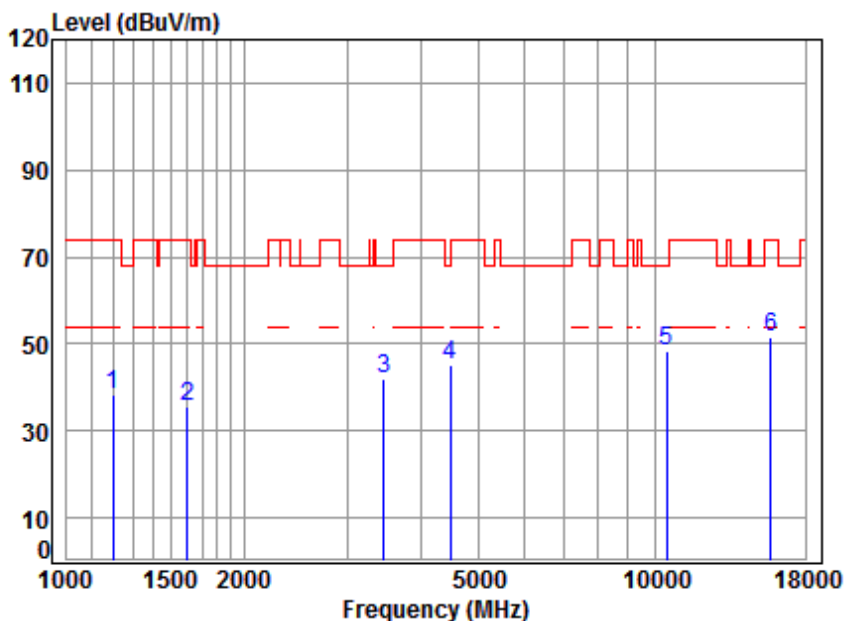
	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1224.247	4.51	24.70	41.20	45.30	33.31	74.00	-40.69 peak
2	1658.337	5.28	26.50	41.51	45.68	35.95	68.20	-32.25 peak
3	3347.371	6.32	31.47	42.19	46.79	42.39	74.00	-31.61 peak
4	4456.315	7.51	33.53	42.41	47.30	45.93	68.20	-22.27 peak
5	10440.000	11.25	37.72	37.51	37.21	48.67	68.20	-19.53 peak
6	15660.000	14.48	40.80	39.11	35.31	51.48	74.00	-22.52 peak



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

Report No.: HR20188000503  
Page: 144 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	50.65	38.48	74.00	-35.52 peak
2	1606.441	5.34	26.28	41.47	45.56	35.71	74.00	-38.29 peak
3	3465.510	6.43	31.65	42.21	46.04	41.91	68.20	-26.29 peak
4	4482.150	7.54	33.57	42.41	46.33	45.03	68.20	-23.17 peak
5	10480.000	11.28	37.71	37.53	37.09	48.55	68.20	-19.65 peak
6	15720.000	14.57	40.83	39.17	35.14	51.37	74.00	-22.63 peak

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



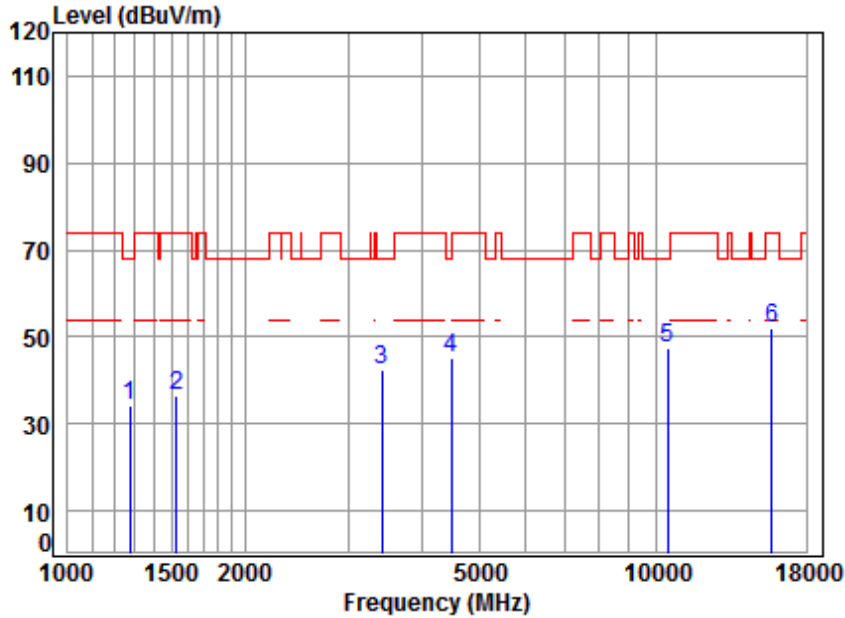


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 145 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.71	24.92	41.24	45.72	34.11	68.20	-34.09	peak
2	5.44	25.94	41.43	46.39	36.34	74.00	-37.66	peak
3	6.39	31.59	42.20	46.80	42.58	68.20	-25.62	peak
4	7.55	33.59	42.42	46.59	45.31	68.20	-22.89	peak
5	11.28	37.71	37.53	35.89	47.35	68.20	-20.85	peak
6	14.57	40.83	39.17	35.75	51.98	74.00	-22.02	peak

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

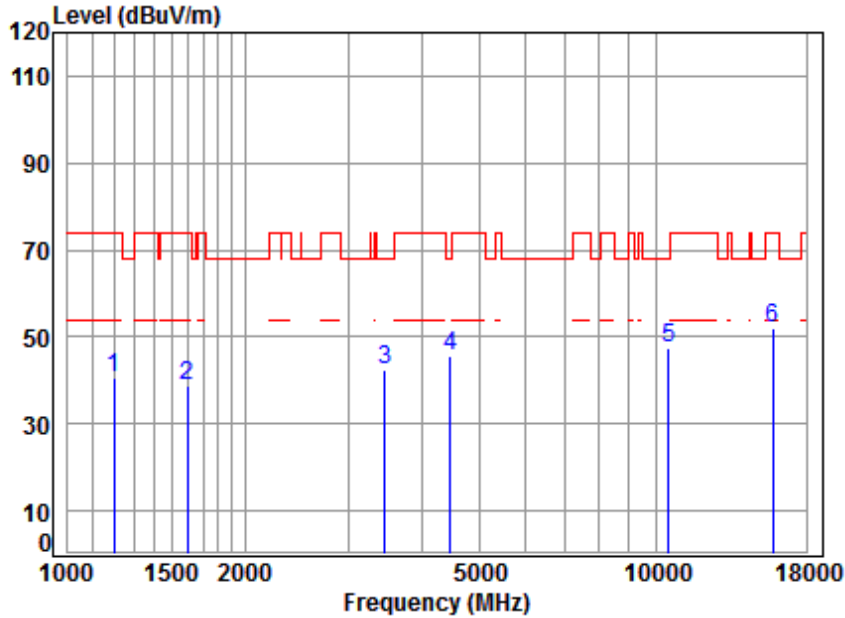


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 146 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5260	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	52.85	40.68	74.00	-33.32 peak
2	1597.181	5.35	26.24	41.47	48.84	38.96	74.00	-35.04 peak
3	3455.508	6.42	31.63	42.21	46.67	42.51	68.20	-25.69 peak
4	4469.214	7.53	33.55	42.41	47.02	45.69	68.20	-22.51 peak
5	10520.000	11.30	37.70	37.56	36.15	47.59	68.20	-20.61 peak
6	15780.000	14.66	40.87	39.22	35.84	52.15	74.00	-21.85 peak

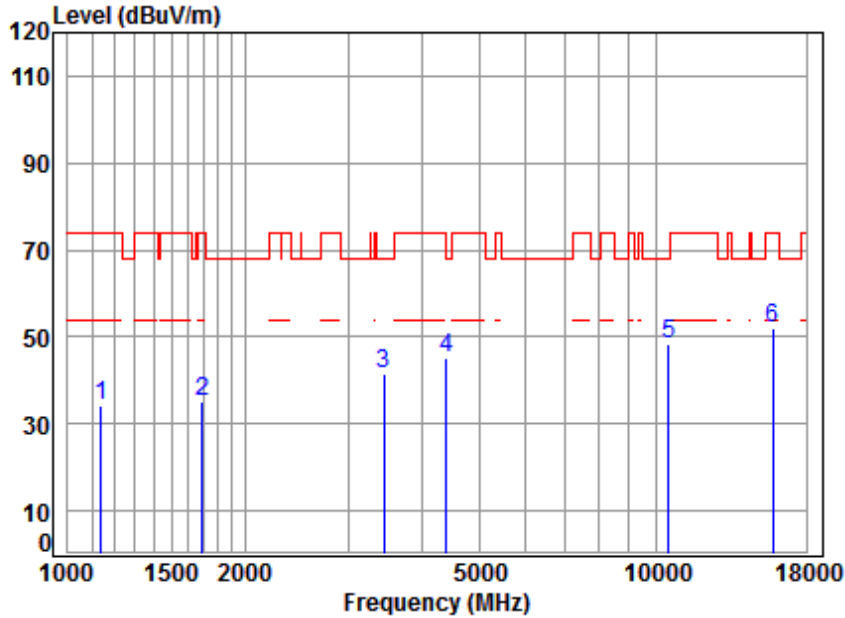


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 147 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5260	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11N20

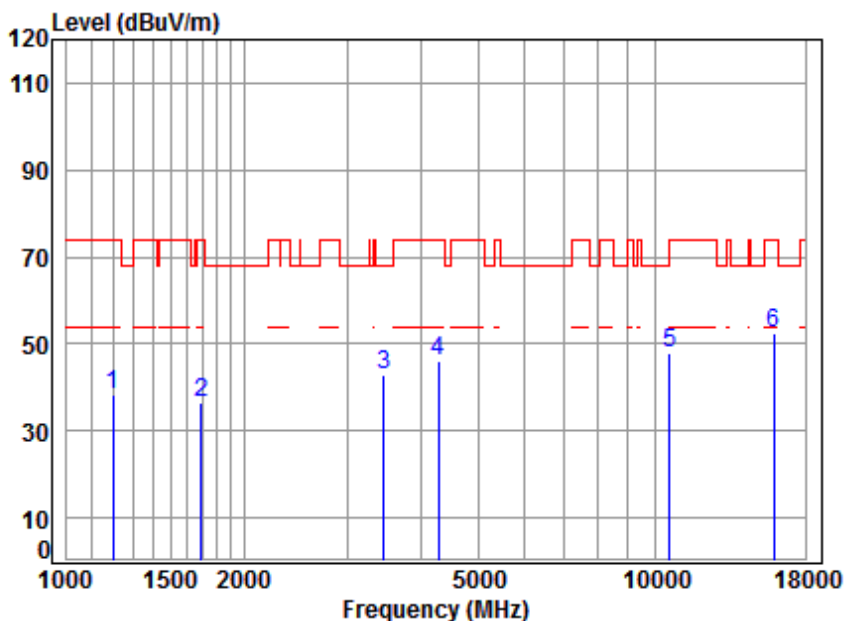
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1138.904	4.17	24.31	41.13	46.78	34.13	74.00	-39.87 peak
2	1692.231	5.24	26.64	41.53	44.97	35.32	74.00	-38.68 peak
3	3445.535	6.41	31.62	42.21	45.92	41.74	68.20	-26.46 peak
4	4405.090	7.46	33.44	42.40	46.71	45.21	68.20	-22.99 peak
5	10520.000	11.30	37.70	37.56	36.71	48.15	68.20	-20.05 peak
6	15780.000	14.66	40.87	39.22	35.55	51.86	74.00	-22.14 peak



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

Report No.: HR20188000503  
Page: 148 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5300	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5300 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	50.58	38.41	74.00	-35.59 peak
2	1692.231	5.24	26.64	41.53	46.15	36.50	74.00	-37.50 peak
3	3465.510	6.43	31.65	42.21	46.93	42.80	68.20	-25.40 peak
4	4279.589	7.31	33.22	42.38	47.86	46.01	74.00	-27.99 peak
5	10600.000	11.36	37.72	37.62	36.62	48.08	68.20	-20.12 peak
6	15900.000	14.84	40.94	39.33	36.19	52.64	74.00	-21.36 peak

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

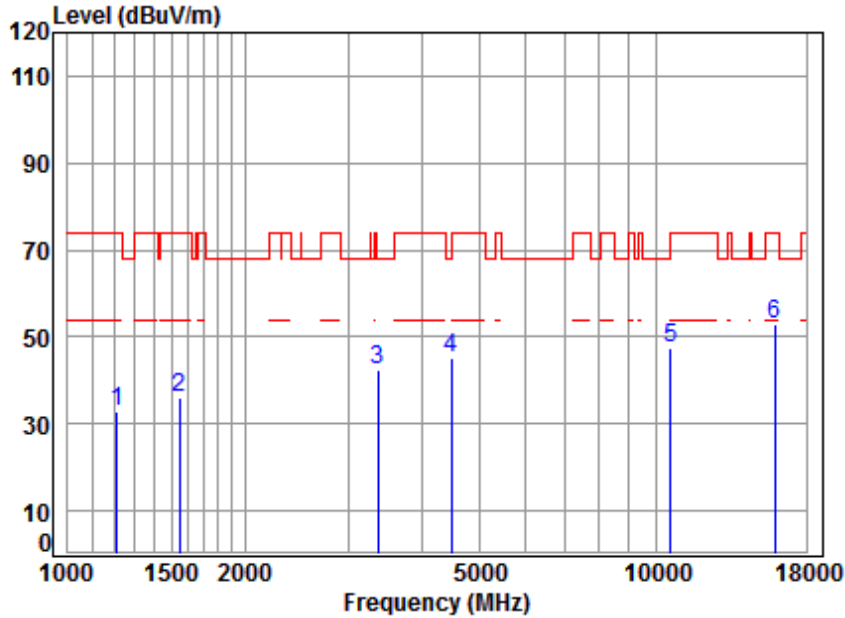


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 149 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5300	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5300 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1210.174	4.46	24.64	41.19	44.94	32.85	74.00	-41.15 peak
2	1547.199	5.42	26.02	41.44	46.14	36.14	74.00	-37.86 peak
3	3366.778	6.34	31.50	42.19	46.84	42.49	68.20	-25.71 peak
4	4495.125	7.55	33.59	42.42	46.52	45.24	68.20	-22.96 peak
5	10600.000	11.36	37.72	37.62	36.22	47.68	68.20	-20.52 peak
6	15900.000	14.84	40.94	39.33	36.31	52.76	74.00	-21.24 peak

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

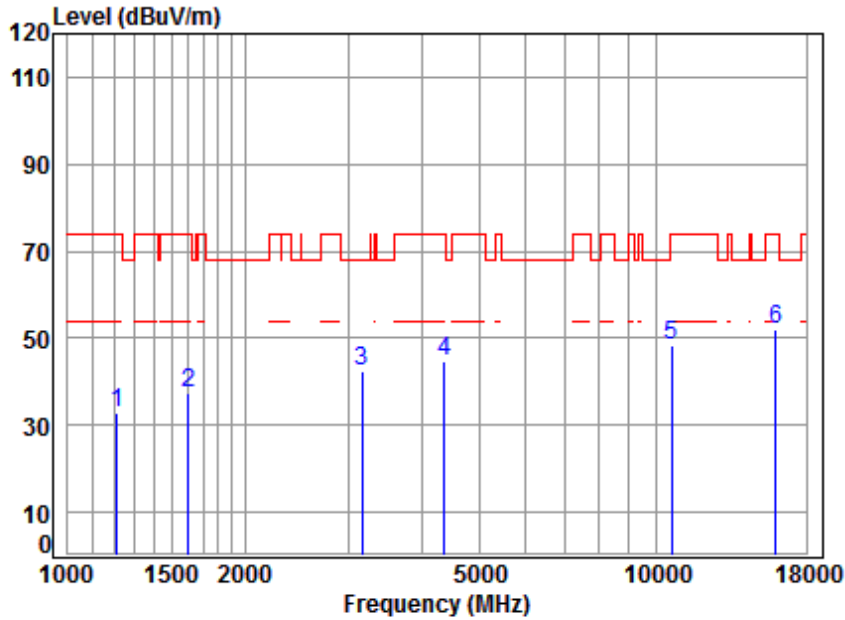


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 150 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5320	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.46	24.64	41.19	45.17	33.08	74.00	-40.92	peak
2	5.35	26.26	41.47	47.44	37.58	74.00	-36.42	peak
3	6.14	31.17	42.14	47.10	42.27	68.20	-25.93	peak
4	7.41	33.37	42.39	46.44	44.83	74.00	-29.17	peak
5	11.39	37.73	37.64	36.68	48.16	74.00	-25.84	peak
6	14.93	40.98	39.38	35.57	52.10	74.00	-21.90	peak

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

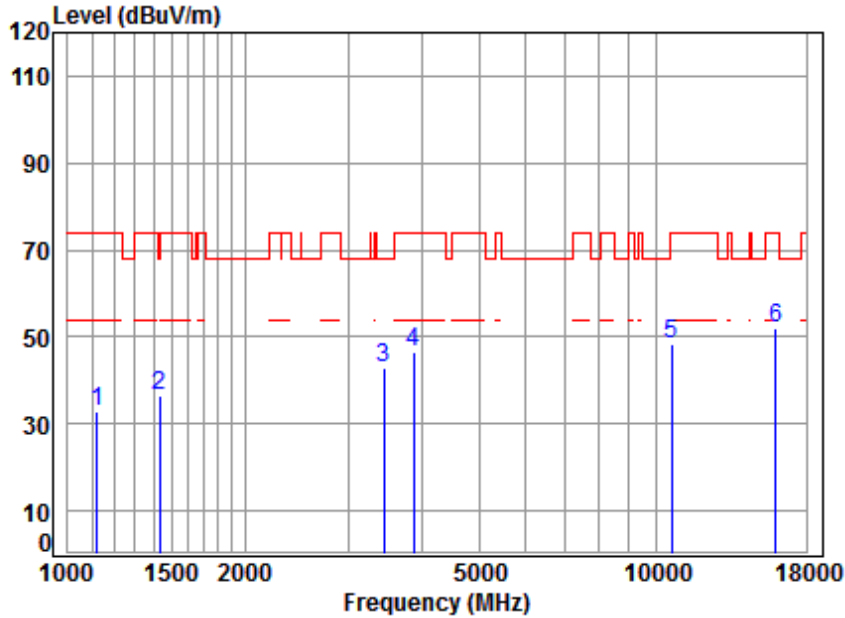


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 151 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5320	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11N20

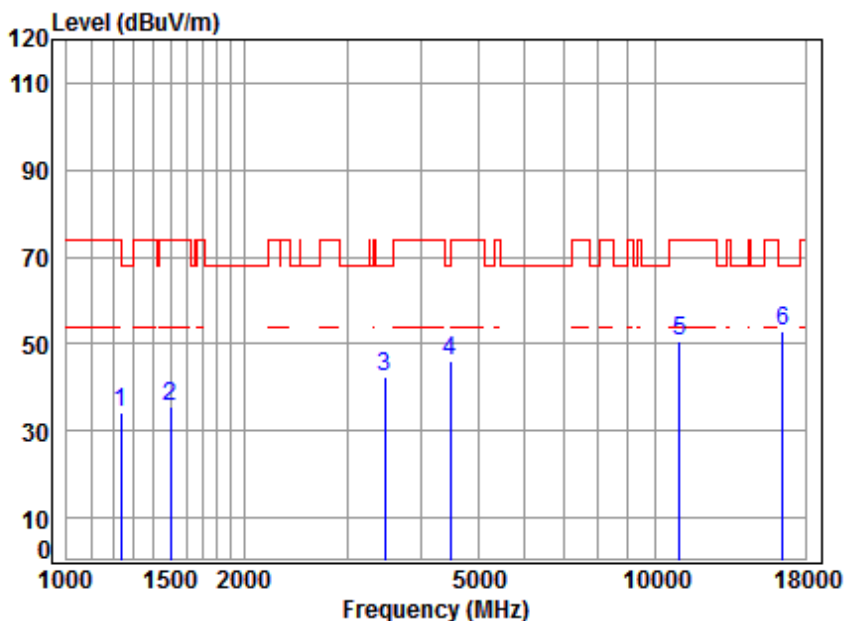
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	4.10	24.23	41.12	45.58	32.79	74.00	-41.21 peak
2	1431.047	5.26	25.54	41.36	46.94	36.38	68.20	-31.82 peak
3	3445.535	6.41	31.62	42.21	47.05	42.87	68.20	-25.33 peak
4	3879.027	6.86	32.47	42.30	49.35	46.38	74.00	-27.62 peak
5	10640.000	11.39	37.73	37.64	37.01	48.49	74.00	-25.51 peak
6	15960.000	14.93	40.98	39.38	35.60	52.13	74.00	-21.87 peak



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

Report No.: HR20188000503  
Page: 152 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5500	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5500 TX RSE  
Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.74	41.21	45.93	34.01	74.00	-39.99	peak
2	1503.119	5.48	25.81	41.41	45.77	35.65	74.00	-38.35	peak
3	3475.541	6.44	31.66	42.22	46.68	42.56	68.20	-25.64	peak
4	4495.125	7.55	33.59	42.42	47.15	45.87	68.20	-22.33	peak
5	11000.000	11.63	37.80	37.88	38.96	50.51	74.00	-23.49	peak
6	16500.000	14.50	42.20	39.86	36.29	53.13	68.20	-15.07	peak

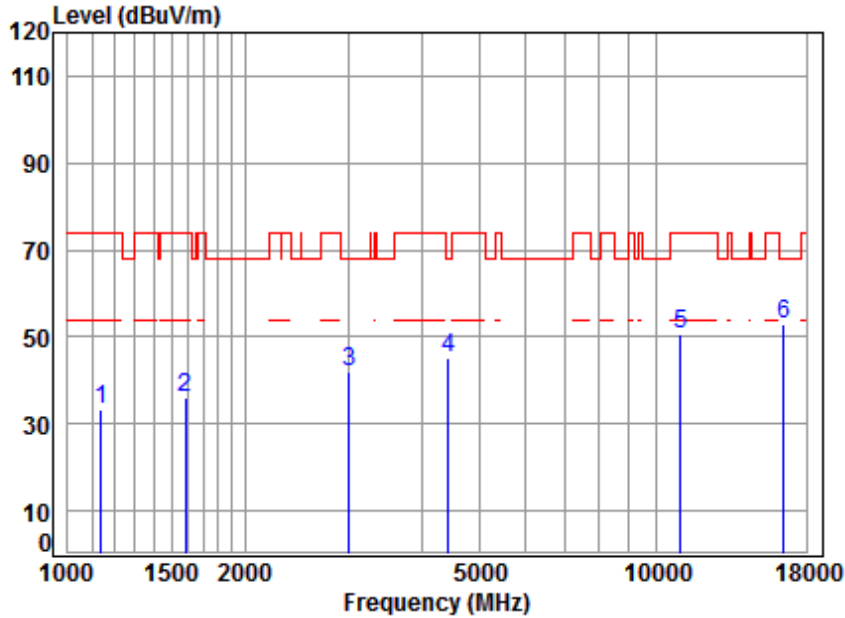




**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503  
Page: 153 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5500	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5500 TX RSE  
Note : 5G WIFI 11N20

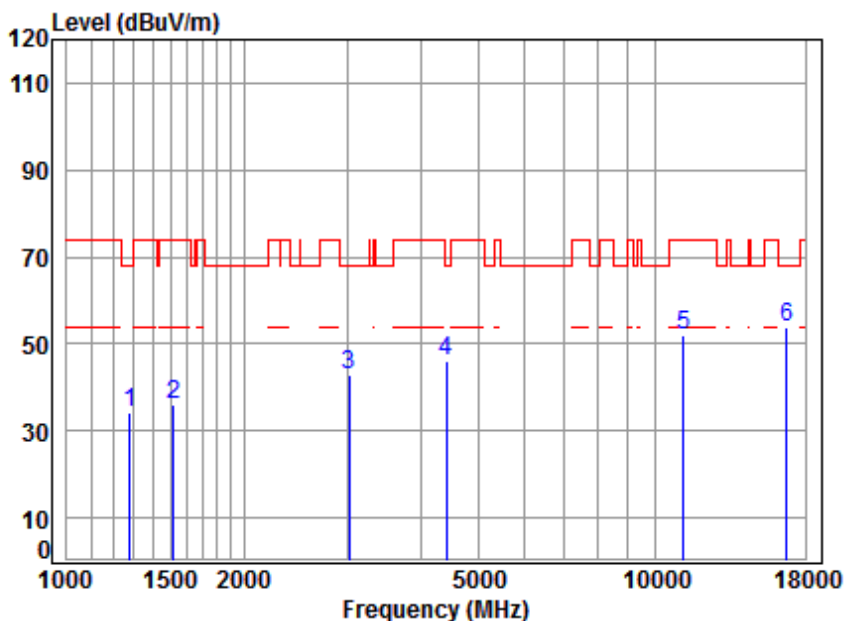
	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1138.904	4.17	24.31	41.13	46.03	33.38	74.00	-40.62 peak
2	1587.975	5.37	26.20	41.46	45.77	35.88	74.00	-38.12 peak
3	3007.868	5.99	30.91	42.10	47.24	42.04	68.20	-26.16 peak
4	4443.453	7.50	33.50	42.41	46.64	45.23	68.20	-22.97 peak
5	11000.000	11.63	37.80	37.88	39.23	50.78	74.00	-23.22 peak
6	16500.000	14.50	42.20	39.86	36.11	52.95	68.20	-15.25 peak



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

Report No.: HR20188000503  
Page: 154 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5580	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.73	24.95	41.25	45.98	34.41	68.20	-33.79	peak
2	5.46	25.87	41.42	45.94	35.85	74.00	-38.15	peak
3	6.01	30.94	42.11	48.07	42.91	68.20	-25.29	peak
4	7.47	33.46	42.40	47.42	45.95	68.20	-22.25	peak
5	11.80	37.83	37.98	40.31	51.96	74.00	-22.04	peak
6	15.57	42.39	40.07	36.06	53.95	68.20	-14.25	peak

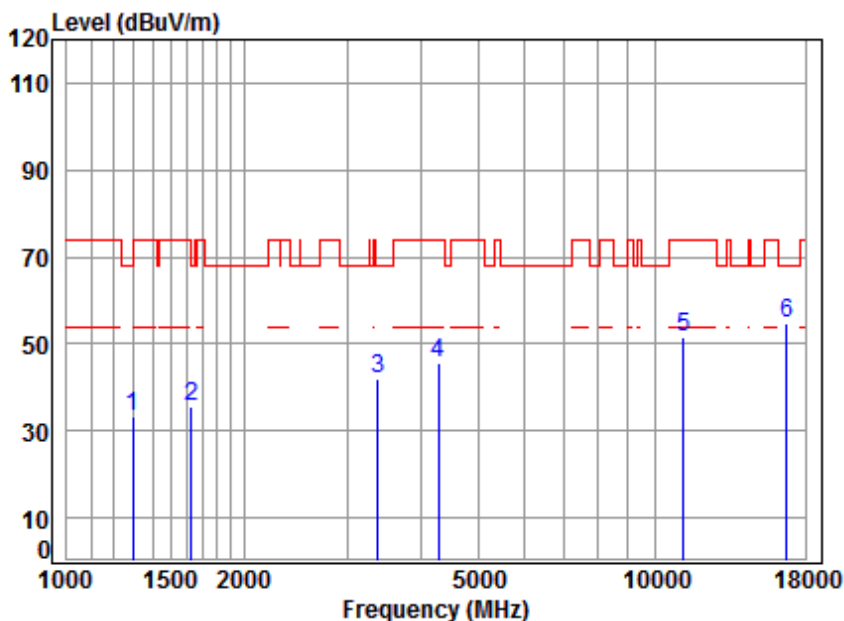
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 155 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5580	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.79	25.01	41.26	44.68	33.22	68.20	-34.98	peak
2	5.31	26.38	41.49	45.38	35.58	68.20	-32.62	peak
3	6.36	31.53	42.19	46.10	41.80	68.20	-26.40	peak
4	7.31	33.22	42.38	47.66	45.81	74.00	-28.19	peak
5	11.80	37.83	37.98	40.13	51.78	74.00	-22.22	peak
6	15.57	42.39	40.07	36.74	54.63	68.20	-13.57	peak

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

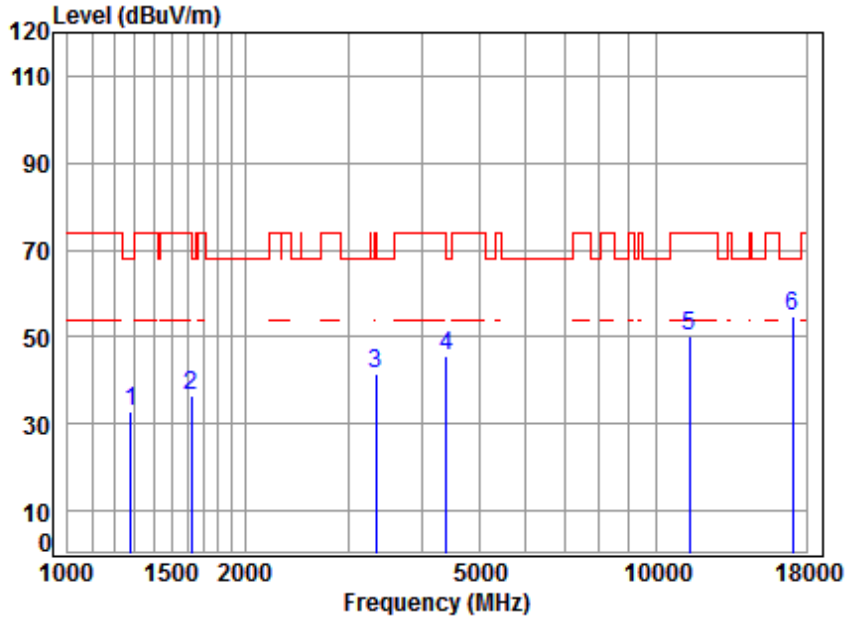


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 156 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5700	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1282.193	4.73	24.95	41.25	44.59	33.02	68.20	-35.18 peak
2	1620.431	5.32	26.34	41.48	46.38	36.56	74.00	-37.44 peak
3	3337.710	6.31	31.45	42.18	46.09	41.67	74.00	-32.33 peak
4	4405.090	7.46	33.44	42.40	47.11	45.61	68.20	-22.59 peak
5	11400.000	12.04	37.88	38.13	38.24	50.03	74.00	-23.97 peak
6	17100.000	16.49	42.66	40.37	36.08	54.86	68.20	-13.34 peak

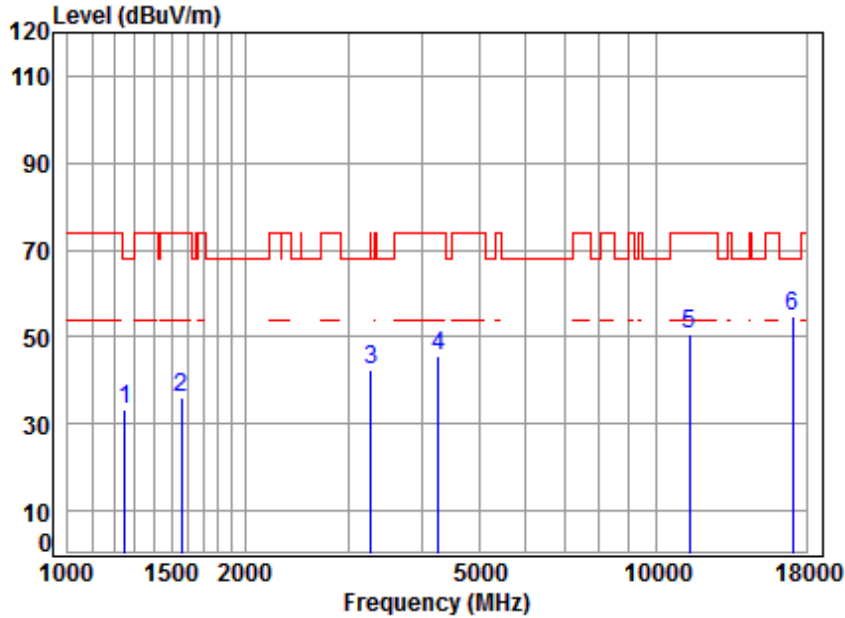


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 157 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5700	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1249.269	4.61	24.81	41.22	45.04	33.24	68.20	-34.96 peak
2	1560.673	5.40	26.08	41.45	46.17	36.20	74.00	-37.80 peak
3	3280.326	6.26	31.36	42.17	46.89	42.34	68.20	-25.86 peak
4	4267.237	7.30	33.19	42.38	47.38	45.49	74.00	-28.51 peak
5	11400.000	12.04	37.88	38.13	38.90	50.69	74.00	-23.31 peak
6	17100.000	16.49	42.66	40.37	36.07	54.85	68.20	-13.35 peak

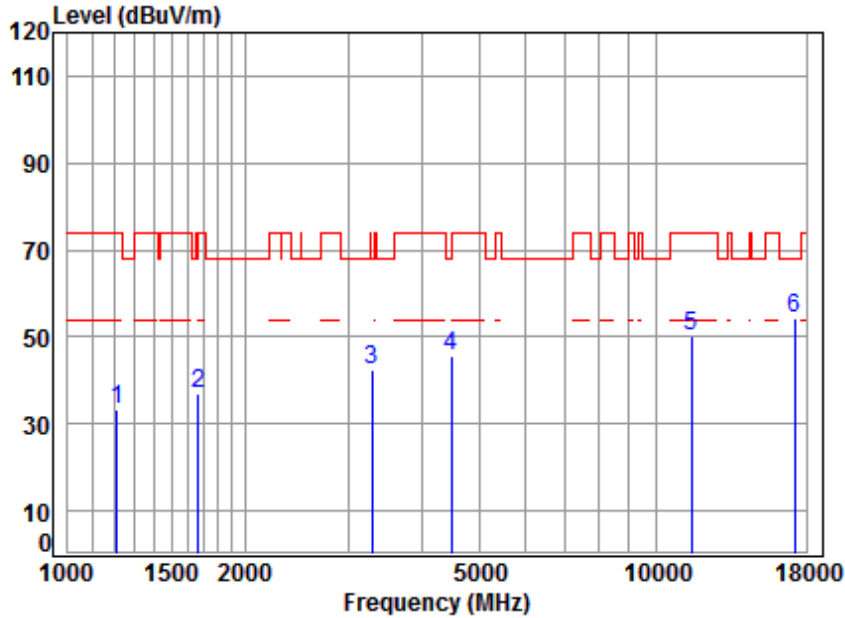
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 158 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1213.677	4.47	24.65	41.19	45.36	33.29	74.00	-40.71 peak
2	1667.951	5.27	26.54	41.51	46.80	37.10	74.00	-36.90 peak
3	3289.821	6.27	31.38	42.17	47.15	42.63	68.20	-25.57 peak
4	4495.125	7.55	33.59	42.42	46.87	45.59	68.20	-22.61 peak
5	11490.000	12.13	37.90	38.19	38.25	50.09	74.00	-23.91 peak
6	17235.000	16.18	42.74	40.48	36.04	54.48	68.20	-13.72 peak

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

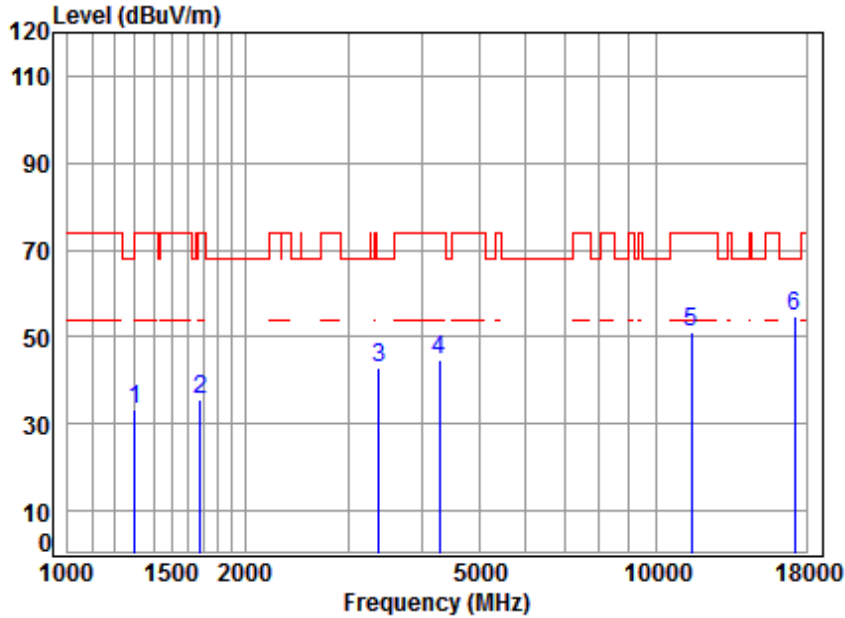


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 159 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.80	25.03	41.26	44.86	33.43	74.00	-40.57	peak
2	5.25	26.60	41.52	45.47	35.80	74.00	-38.20	peak
3	6.35	31.51	42.19	47.28	42.95	68.20	-25.25	peak
4	7.33	33.24	42.38	46.51	44.70	74.00	-29.30	peak
5	12.13	37.90	38.19	39.48	51.32	74.00	-22.68	peak
6	16.18	42.74	40.48	36.12	54.56	68.20	-13.64	peak

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

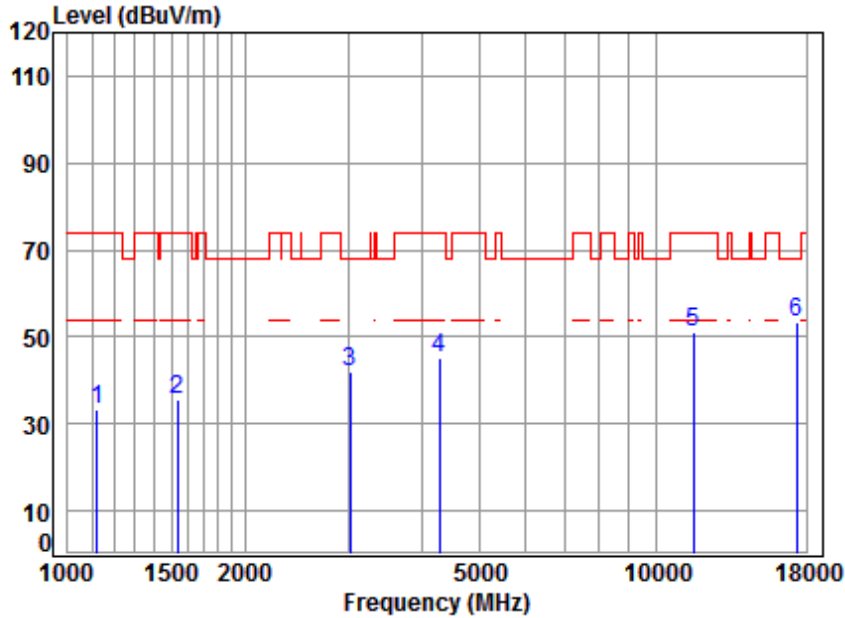


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 160 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	4.10	24.23	41.12	46.21	33.42	74.00	-40.58 peak
2	1533.841	5.44	25.96	41.43	45.79	35.76	74.00	-38.24 peak
3	3016.575	6.00	30.93	42.10	47.05	41.88	68.20	-26.32 peak
4	4291.977	7.33	33.24	42.38	47.12	45.31	74.00	-28.69 peak
5	11570.000	12.17	37.87	38.24	39.10	50.90	74.00	-23.10 peak
6	17355.000	15.92	42.81	40.58	35.34	53.49	68.20	-14.71 peak



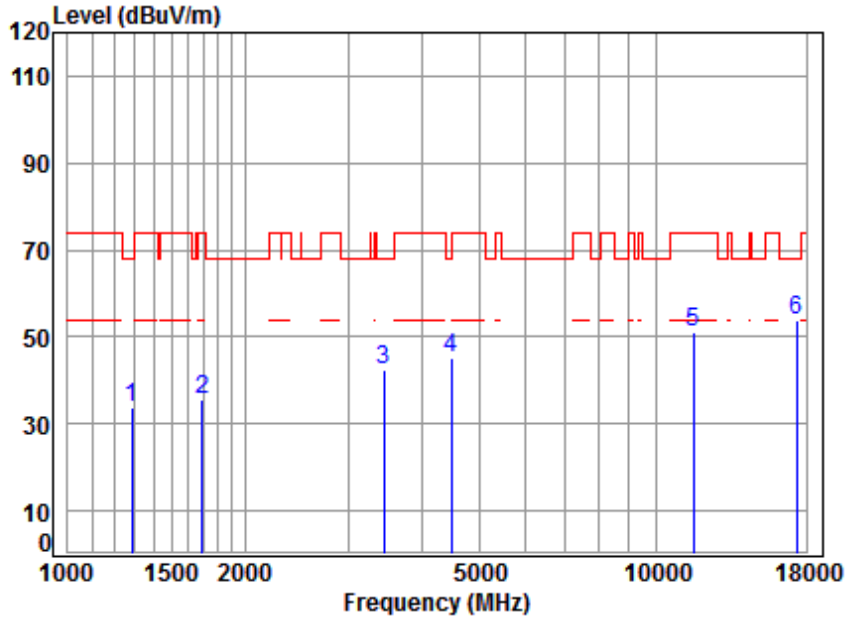


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 161 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1285.904	4.75	24.96	41.25	45.21	33.67	68.20	-34.53 peak
2	1692.231	5.24	26.64	41.53	45.31	35.66	74.00	-38.34 peak
3	3445.535	6.41	31.62	42.21	46.56	42.38	68.20	-25.82 peak
4	4495.125	7.55	33.59	42.42	46.52	45.24	68.20	-22.96 peak
5	11570.000	12.17	37.87	38.24	39.24	51.04	74.00	-22.96 peak
6	17355.000	15.92	42.81	40.58	35.60	53.75	68.20	-14.45 peak

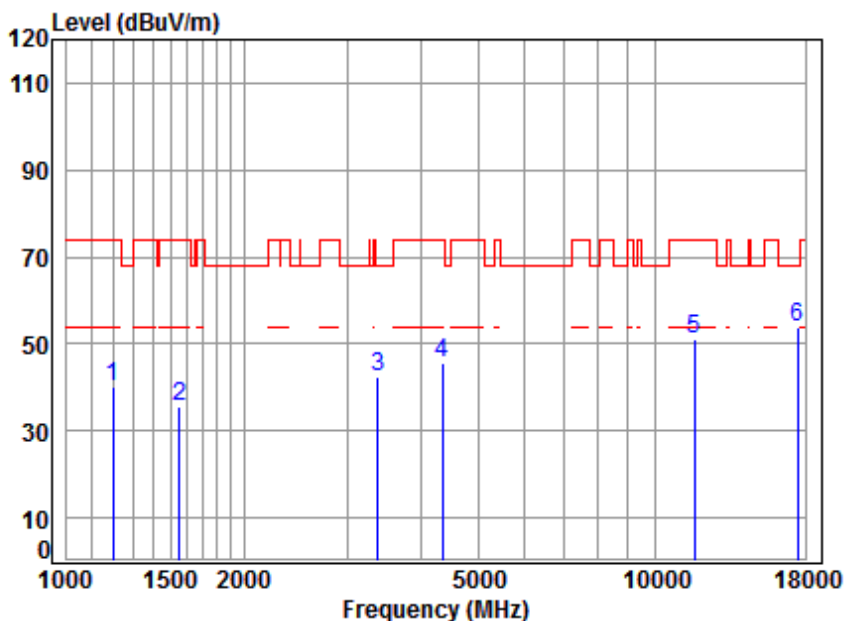
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 162 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	4.42	24.59	41.18	52.55	40.38	74.00	-33.62
2	5.41	26.06	41.44	45.66	35.69	74.00	-38.31
3	6.35	31.51	42.19	46.85	42.52	68.20	-25.68
4	7.40	33.35	42.39	47.13	45.49	74.00	-28.51
5	12.20	37.84	38.29	39.19	50.94	74.00	-23.06
6	15.65	42.89	40.68	35.89	53.75	68.20	-14.45

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

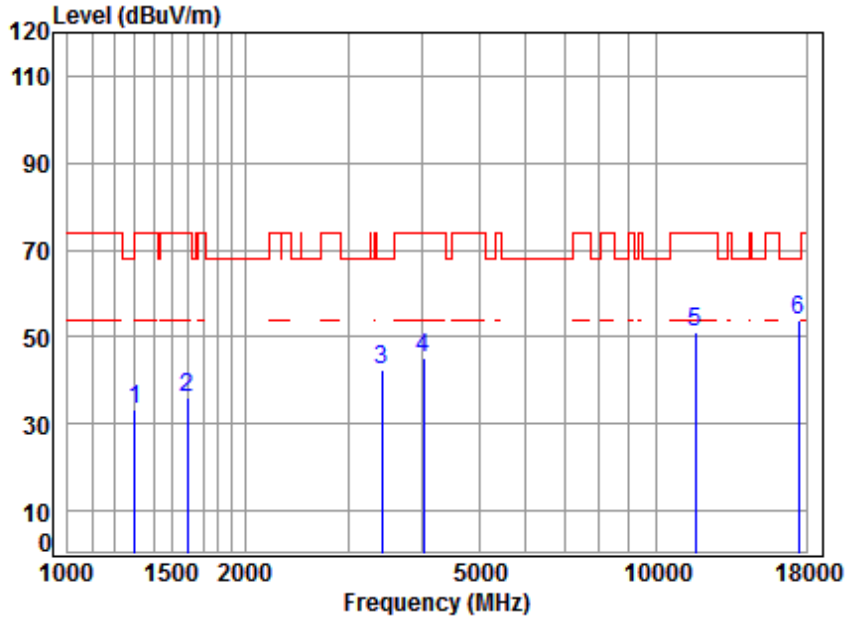


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 163 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	4.80	25.03	41.26	44.79	33.36	74.00	-40.64 peak
2	1597.181	5.35	26.24	41.47	45.89	36.01	74.00	-37.99 peak
3	3425.675	6.39	31.59	42.20	46.73	42.51	68.20	-25.69 peak
4	4027.554	7.01	32.75	42.33	47.89	45.32	74.00	-28.68 peak
5	11650.000	12.20	37.84	38.29	39.34	51.09	74.00	-22.91 peak
6	17475.000	15.65	42.89	40.68	36.21	54.07	68.20	-14.13 peak

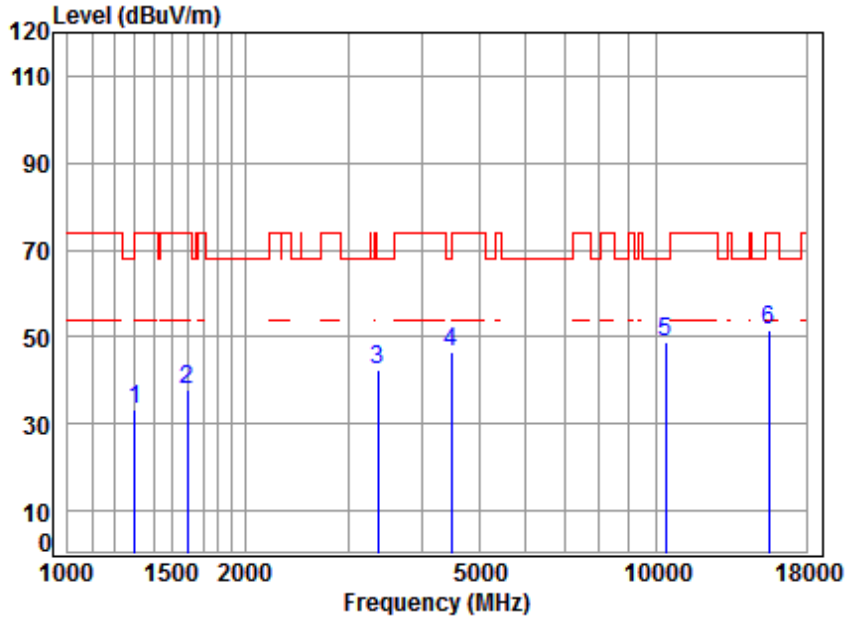


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 164 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	4.80	25.03	41.26	44.58	33.15	74.00	-40.85 peak
2	1597.181	5.35	26.24	41.47	47.63	37.75	74.00	-36.25 peak
3	3366.778	6.34	31.50	42.19	46.60	42.25	68.20	-25.95 peak
4	4482.150	7.54	33.57	42.41	47.82	46.52	68.20	-21.68 peak
5	10380.000	11.21	37.75	37.47	37.53	49.02	68.20	-19.18 peak
6	15570.000	14.35	40.74	39.03	35.47	51.53	74.00	-22.47 peak

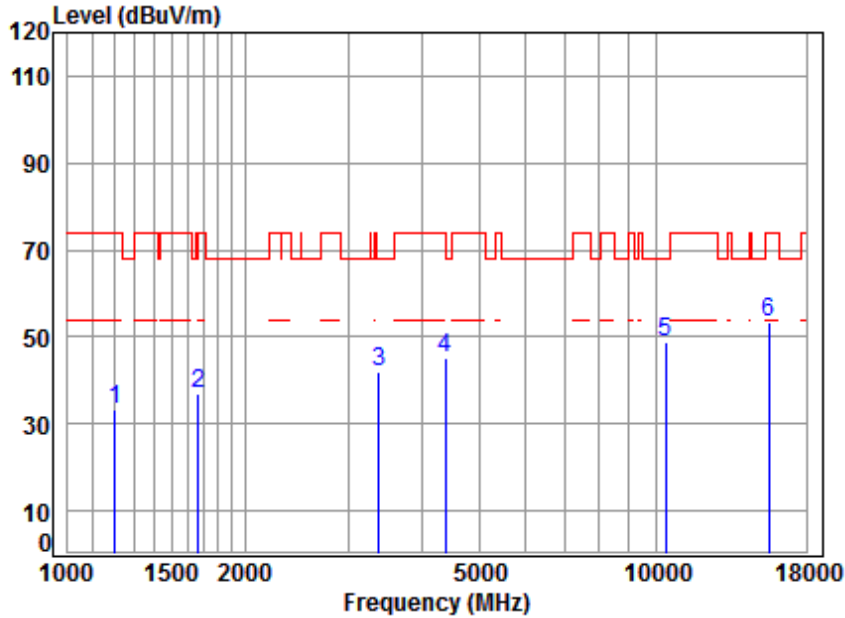


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 165 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1203.199	4.43	24.60	41.19	45.39	33.23	74.00	-40.77 peak
2	1667.951	5.27	26.54	41.51	46.47	36.77	74.00	-37.23 peak
3	3376.523	6.35	31.51	42.19	46.52	42.19	68.20	-26.01 peak
4	4392.376	7.44	33.42	42.40	46.85	45.31	74.00	-28.69 peak
5	10380.000	11.21	37.75	37.47	37.18	48.67	68.20	-19.53 peak
6	15570.000	14.35	40.74	39.03	37.40	53.46	74.00	-20.54 peak

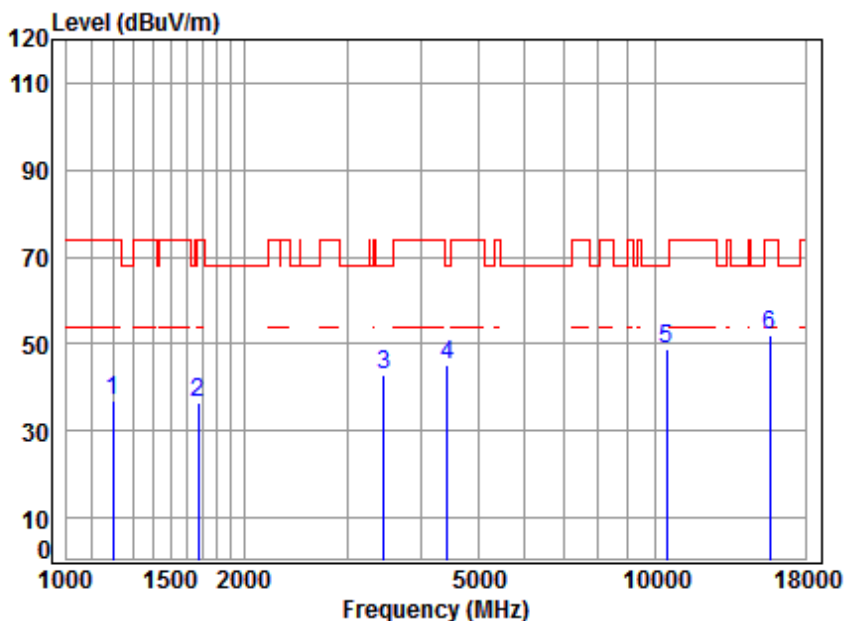
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 166 of 390

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



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5230 TX RSE  
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	49.00	36.83	74.00	-37.17 peak
2	1672.779	5.26	26.56	41.52	46.12	36.42	74.00	-37.58 peak
3	3465.510	6.43	31.65	42.21	47.21	43.08	68.20	-25.12 peak
4	4443.453	7.50	33.50	42.41	46.64	45.23	68.20	-22.97 peak
5	10460.000	11.26	37.72	37.52	37.31	48.77	68.20	-19.43 peak
6	15690.000	14.53	40.82	39.14	35.85	52.06	74.00	-21.94 peak

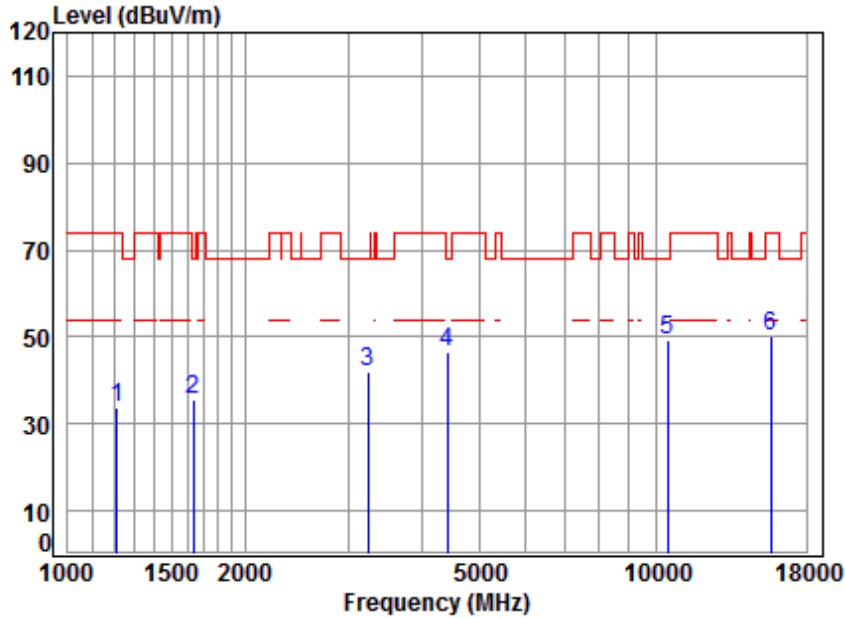
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 167 of 390

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



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5230 TX RSE  
Note : 5G WIFI 11N40

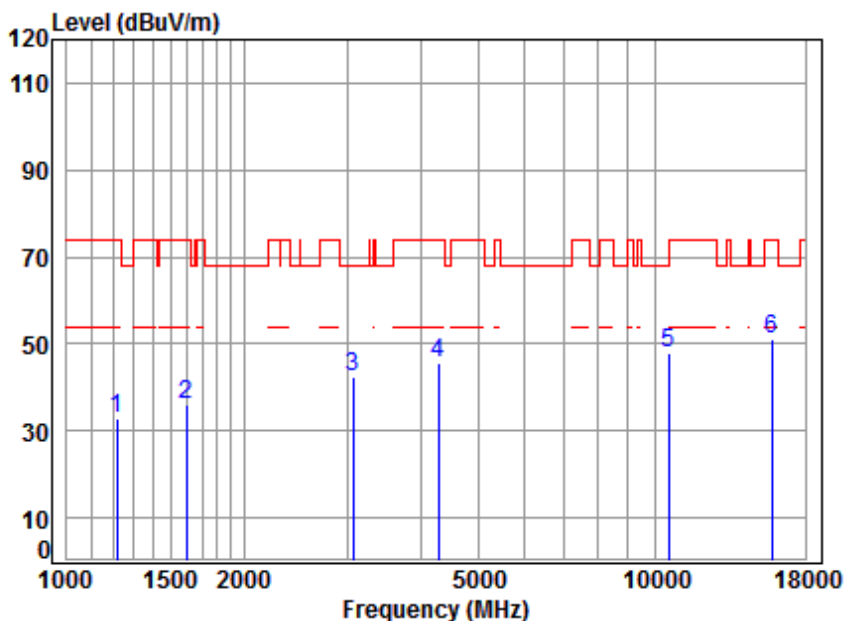
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1213.677	4.47	24.65	41.19	45.83	33.76	74.00	-40.24 peak
2	1634.543	5.31	26.40	41.49	45.58	35.80	68.20	-32.40 peak
3	3242.619	6.22	31.30	42.16	46.71	42.07	68.20	-26.13 peak
4	4417.841	7.47	33.46	42.40	47.90	46.43	68.20	-21.77 peak
5	10460.000	11.26	37.72	37.52	38.00	49.46	68.20	-18.74 peak
6	15690.000	14.53	40.82	39.14	33.86	50.07	74.00	-23.93 peak



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

Report No.: HR20188000503  
Page: 168 of 390

Test mode:	802.11n(HT40)	Frequency(MHz):	5270	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5270 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1217.190	4.49	24.67	41.20	44.74	32.70	74.00	-41.30 peak
2	1597.181	5.35	26.24	41.47	46.10	36.22	74.00	-37.78 peak
3	3069.345	6.05	31.02	42.12	47.26	42.21	68.20	-25.99 peak
4	4279.589	7.31	33.22	42.38	47.27	45.42	74.00	-28.58 peak
5	10540.000	11.32	37.71	37.57	36.57	48.03	68.20	-20.17 peak
6	15810.000	14.71	40.89	39.25	34.83	51.18	74.00	-22.82 peak

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

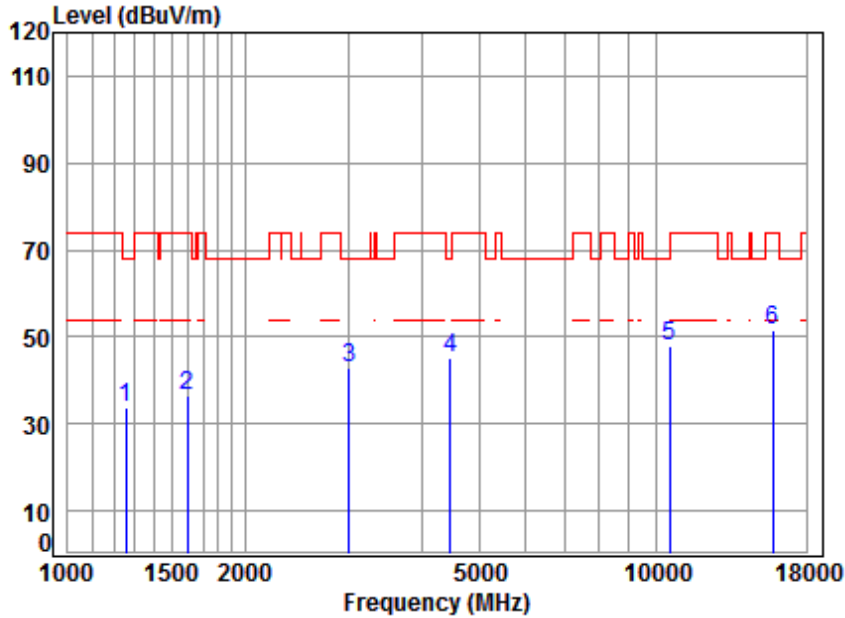




**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503  
Page: 169 of 390

Test mode:	802.11n(HT40)	Frequency(MHz):	5270	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5270 TX RSE  
Note : 5G WIFI 11N40

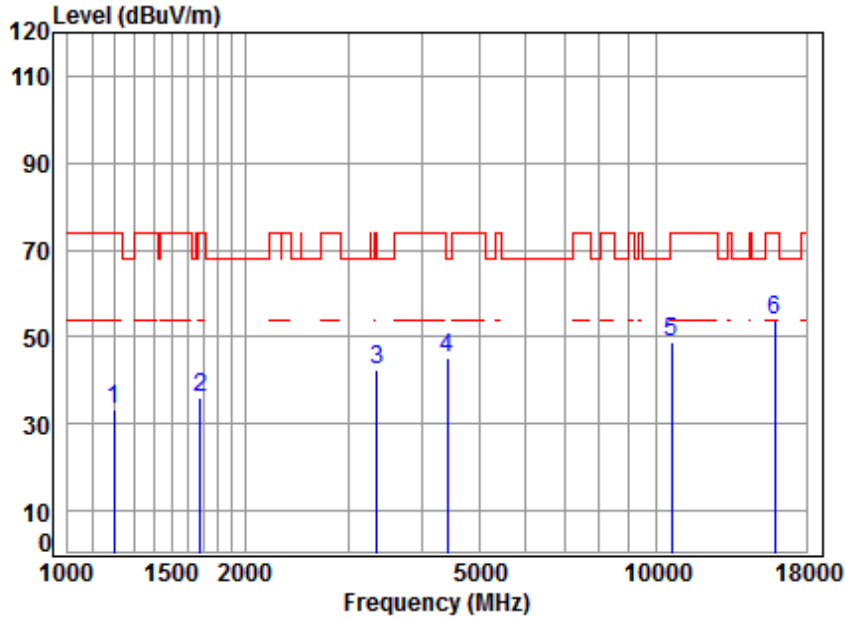
	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1256.512	4.64	24.84	41.23	45.67	33.92	68.20	-34.28 peak
2	1597.181	5.35	26.24	41.47	46.35	36.47	74.00	-37.53 peak
3	3007.868	5.99	30.91	42.10	48.24	43.04	68.20	-25.16 peak
4	4469.214	7.53	33.55	42.41	46.45	45.12	68.20	-23.08 peak
5	10540.000	11.32	37.71	37.57	36.28	47.74	68.20	-20.46 peak
6	15810.000	14.71	40.89	39.25	35.41	51.76	74.00	-22.24 peak



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

Report No.: HR20188000503  
Page: 170 of 390

Test mode:	802.11n(HT40)	Frequency(MHz):	5310	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5310 TX RSE  
Note : 5G WIFI 11N40

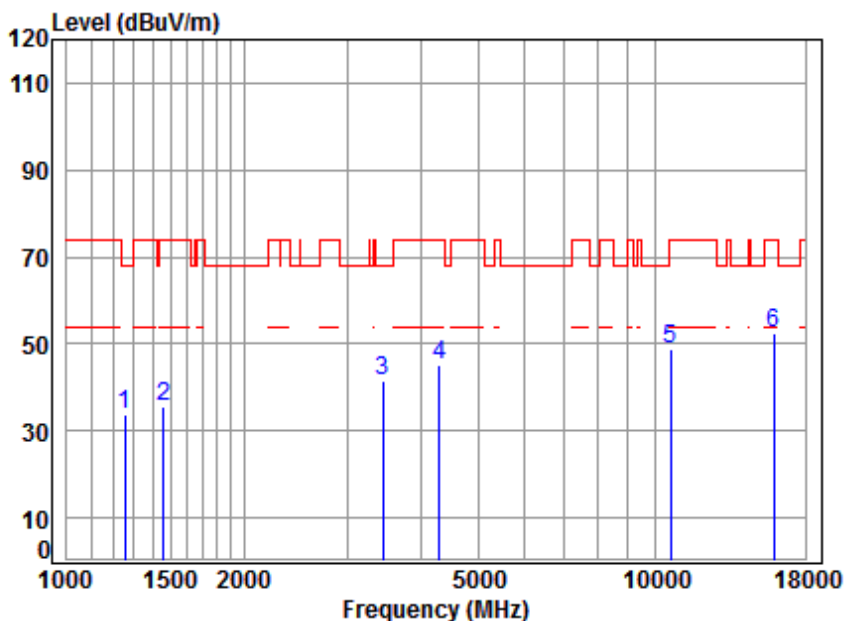
	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	1196.264	4.40	24.57	41.18	45.32	33.11	74.00	-40.89 peak
2	1682.477	5.25	26.60	41.52	45.80	36.13	74.00	-37.87 peak
3	3357.061	6.33	31.48	42.19	47.02	42.64	74.00	-31.36 peak
4	4417.841	7.47	33.46	42.40	46.60	45.13	68.20	-23.07 peak
5	10620.000	11.37	37.72	37.63	37.24	48.70	74.00	-25.30 peak
6	15930.000	14.89	40.96	39.36	37.33	53.82	74.00	-20.18 peak



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

Report No.: HR20188000503  
Page: 171 of 390

Test mode:	802.11n(HT40)	Frequency(MHz):	5310	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5310 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1256.512	4.64	24.84	41.23	45.45	33.70	68.20	-34.50 peak
2	1460.295	5.35	25.65	41.38	46.11	35.73	74.00	-38.27 peak
3	3445.535	6.41	31.62	42.21	45.85	41.67	68.20	-26.53 peak
4	4304.400	7.34	33.26	42.38	47.16	45.38	74.00	-28.62 peak
5	10620.000	11.37	37.72	37.63	37.49	48.95	74.00	-25.05 peak
6	15930.000	14.89	40.96	39.36	35.86	52.35	74.00	-21.65 peak

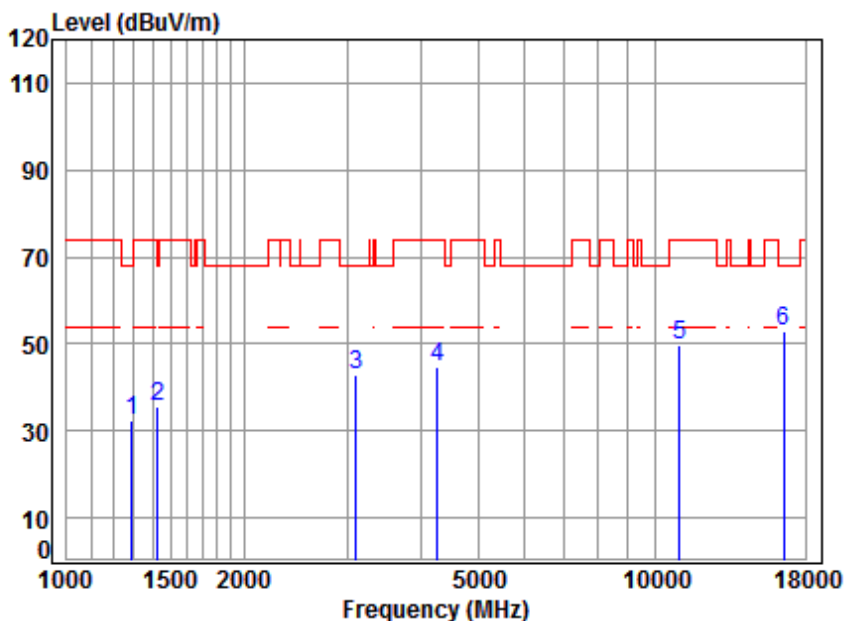
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 172 of 390

Test mode:	802.11n(HT40)	Frequency(MHz):	5510	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5510 TX RSE  
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1289.627	4.76	24.98	41.25	43.83	68.20	-35.88	peak
2	1426.916	5.24	25.53	41.36	46.06	74.00	-38.53	peak
3	3105.037	6.09	31.08	42.13	47.68	68.20	-25.48	peak
4	4267.237	7.30	33.19	42.38	46.83	74.00	-29.06	peak
5	11020.000	11.65	37.80	37.89	38.17	74.00	-24.27	peak
6	16530.000	14.63	42.22	39.89	36.11	68.20	-15.13	peak

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

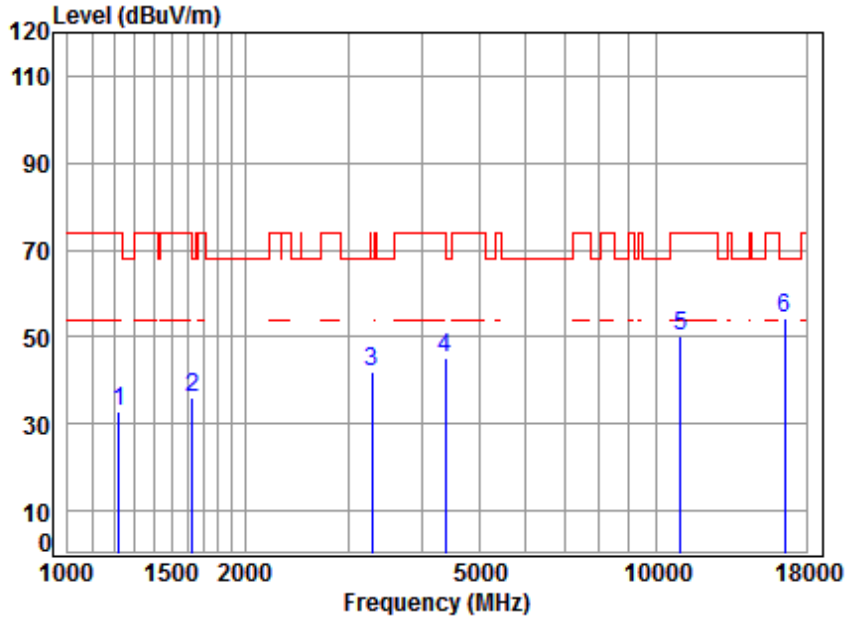


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 173 of 390

Test mode:	802.11n(HT40)	Frequency(MHz):	5510	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5510 TX RSE  
 Note : 5G WIFI 11N40

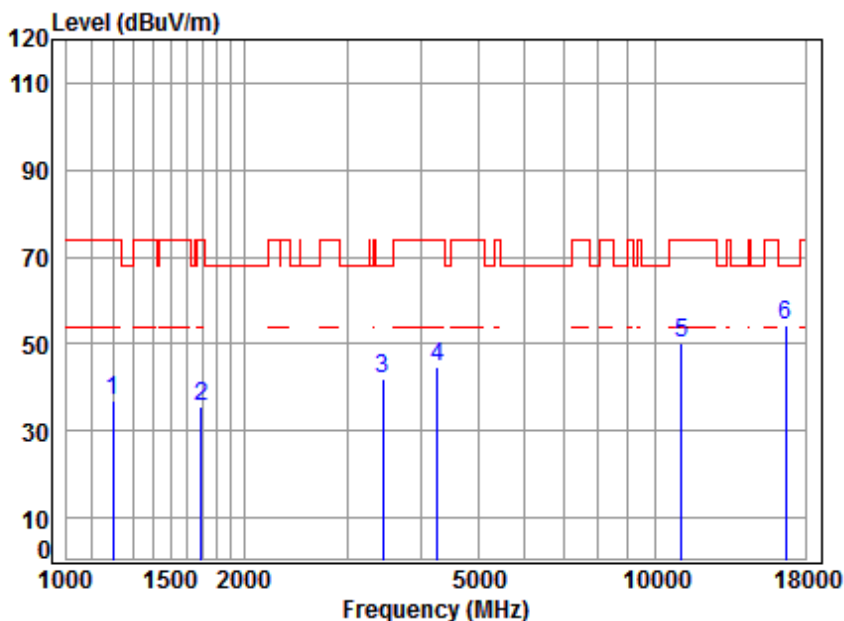
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1224.247	4.51	24.70	41.20	45.05	33.06	74.00	-40.94 peak
2	1629.825	5.31	26.38	41.49	45.86	36.06	68.20	-32.14 peak
3	3289.821	6.27	31.38	42.17	46.66	42.14	68.20	-26.06 peak
4	4392.376	7.44	33.42	42.40	46.82	45.28	74.00	-28.72 peak
5	11020.000	11.65	37.80	37.89	38.56	50.12	74.00	-23.88 peak
6	16530.000	14.63	42.22	39.89	37.30	54.26	68.20	-13.94 peak



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

Report No.: HR20188000503  
Page: 174 of 390

Test mode:	802.11n(HT40)	Frequency(MHz):	5550	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5550 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	49.19	37.02	74.00	-36.98 peak
2	1692.231	5.24	26.64	41.53	45.19	35.54	74.00	-38.46 peak
3	3445.535	6.41	31.62	42.21	46.24	42.06	68.20	-26.14 peak
4	4267.237	7.30	33.19	42.38	46.81	44.92	74.00	-29.08 peak
5	11100.000	11.73	37.82	37.94	38.64	50.25	74.00	-23.75 peak
6	16650.000	15.17	42.32	39.99	36.65	54.15	68.20	-14.05 peak

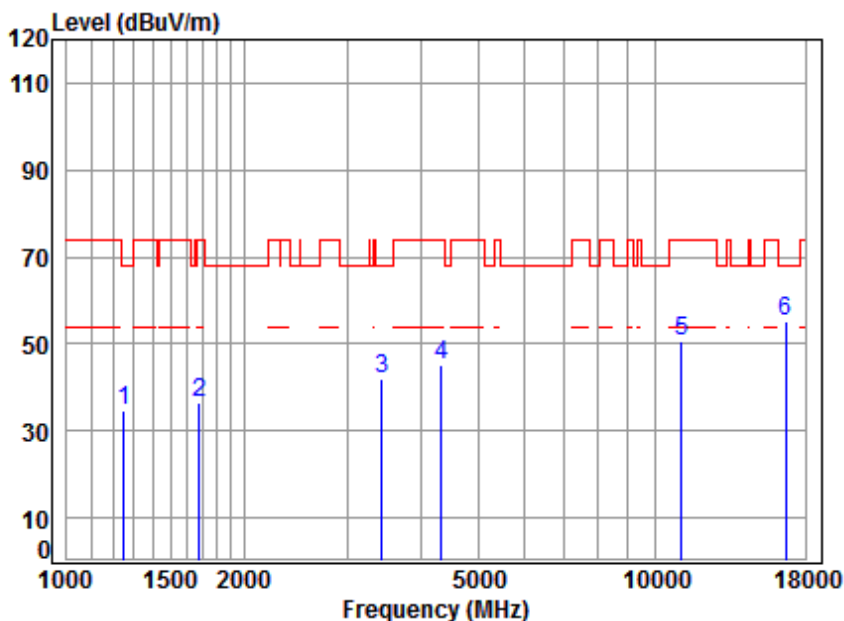
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 175 of 390

Test mode:	802.11n(HT40)	Frequency(MHz):	5550	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5550 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1249.269	4.61	24.81	41.22	46.36	34.56	68.20	-33.64 peak
2	1682.477	5.25	26.60	41.52	45.99	36.32	74.00	-37.68 peak
3	3435.590	6.40	31.60	42.21	46.28	42.07	68.20	-26.13 peak
4	4329.354	7.37	33.30	42.39	46.91	45.19	74.00	-28.81 peak
5	11100.000	11.73	37.82	37.94	39.01	50.62	74.00	-23.38 peak
6	16650.000	15.17	42.32	39.99	37.56	55.06	68.20	-13.14 peak

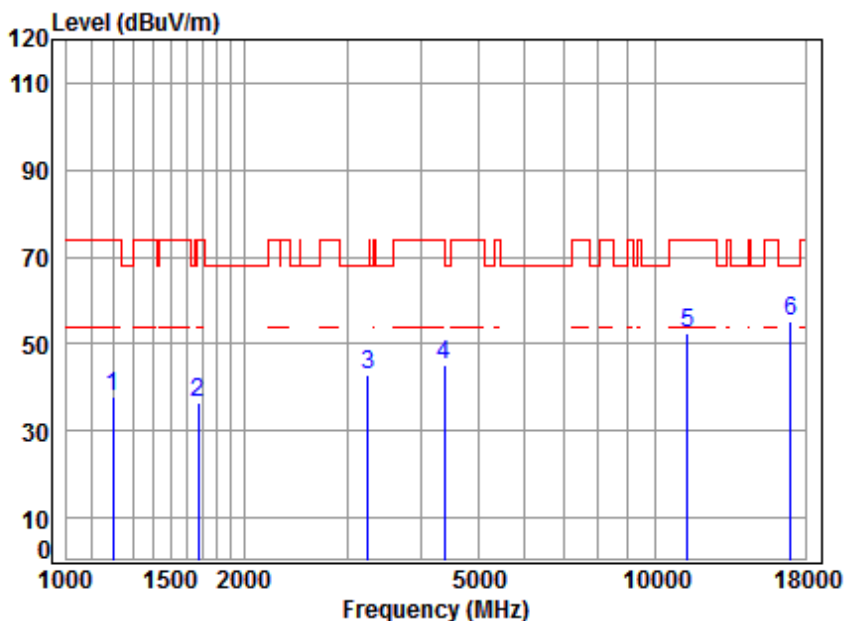
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 176 of 390

Test mode:	802.11n(HT40)	Frequency(MHz):	5670	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5670 TX RSE  
 Note : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.42	24.59	41.18	50.06	37.89	74.00	-36.11	peak
2	5.26	26.56	41.52	46.43	36.73	74.00	-37.27	peak
3	6.23	31.32	42.16	47.47	42.86	68.20	-25.34	peak
4	7.43	33.39	42.40	46.70	45.12	74.00	-28.88	peak
5	11.98	37.87	38.10	40.57	52.32	74.00	-21.68	peak
6	16.69	42.61	40.29	36.21	55.22	68.20	-12.98	peak

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

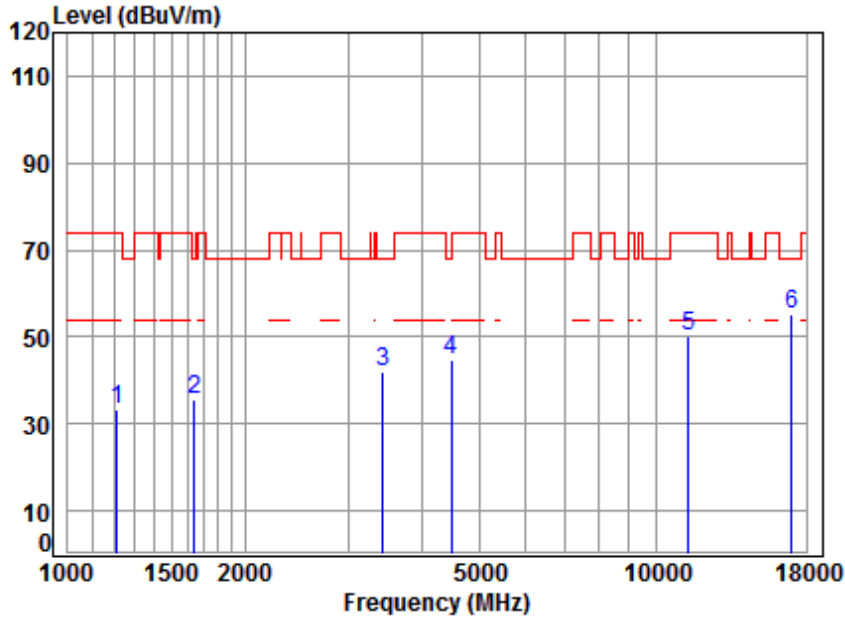




**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503  
Page: 177 of 390

Test mode:	802.11n(HT40)	Frequency(MHz):	5670	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5670 TX RSE  
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1213.677	4.47	24.65	41.19	45.38	33.31	74.00	-40.69	peak
2	1639.274	5.30	26.42	41.49	45.39	35.62	68.20	-32.58	peak
3	3435.590	6.40	31.60	42.21	46.02	41.81	68.20	-26.39	peak
4	4482.150	7.54	33.57	42.41	46.21	44.91	68.20	-23.29	peak
5	11340.000	11.98	37.87	38.10	38.47	50.22	74.00	-23.78	peak
6	17010.000	16.69	42.61	40.29	36.15	55.16	68.20	-13.04	peak

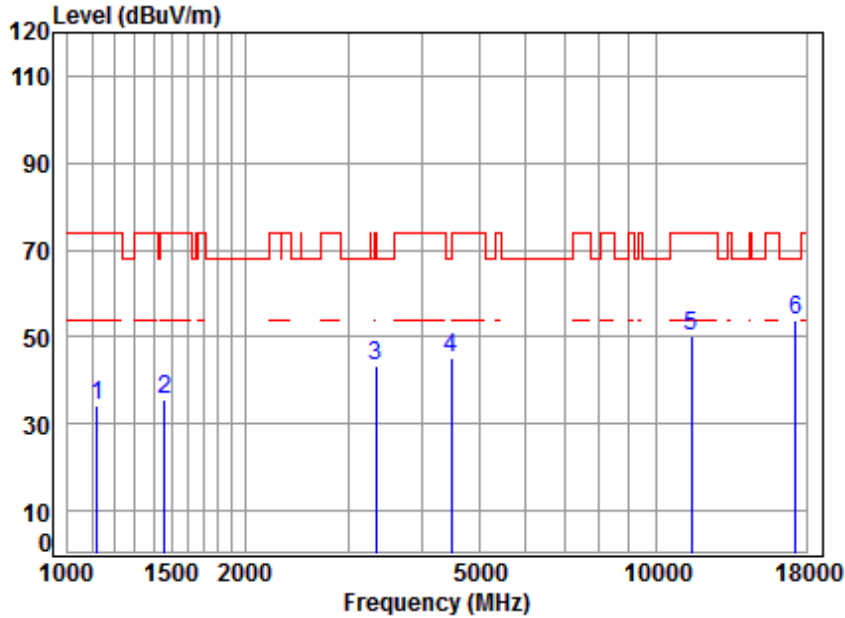


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 178 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11N40

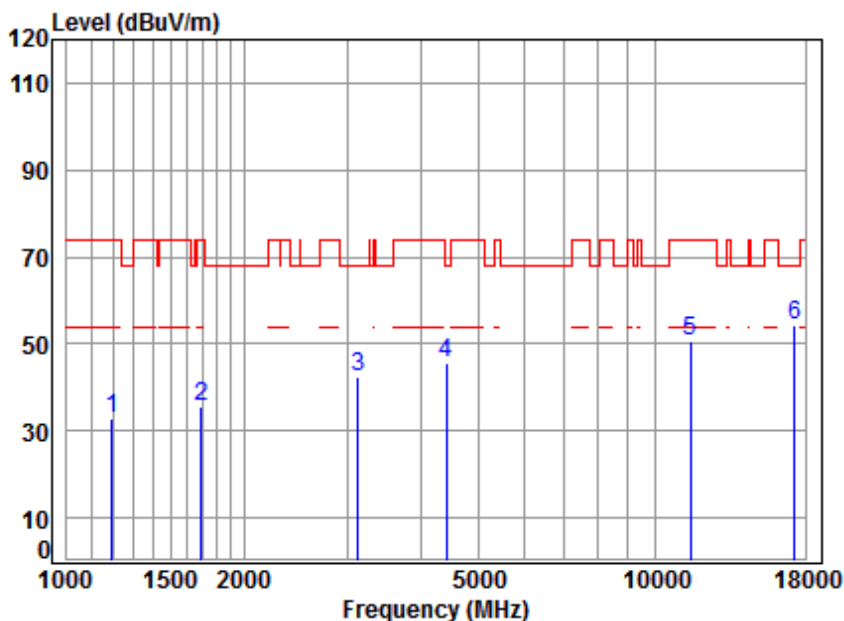
	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	4.10	24.23	41.12	46.85	34.06	74.00	-39.94 peak
2	1460.295	5.35	25.65	41.38	46.11	35.73	74.00	-38.27 peak
3	3337.710	6.31	31.45	42.18	47.57	43.15	74.00	-30.85 peak
4	4495.125	7.55	33.59	42.42	46.27	44.99	68.20	-23.21 peak
5	11510.000	12.14	37.90	38.20	38.31	50.15	74.00	-23.85 peak
6	17265.000	16.12	42.76	40.51	35.39	53.76	68.20	-14.44 peak



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

Report No.: HR20188000503  
Page: 179 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1192.811	4.39	24.56	41.18	45.13	32.90	74.00	-41.10 peak
2	1692.231	5.24	26.64	41.53	45.43	35.78	74.00	-38.22 peak
3	3123.039	6.11	31.11	42.13	47.16	42.25	68.20	-25.95 peak
4	4417.841	7.47	33.46	42.40	47.25	45.78	68.20	-22.42 peak
5	11510.000	12.14	37.90	38.20	38.66	50.50	74.00	-23.50 peak
6	17265.000	16.12	42.76	40.51	36.06	54.43	68.20	-13.77 peak

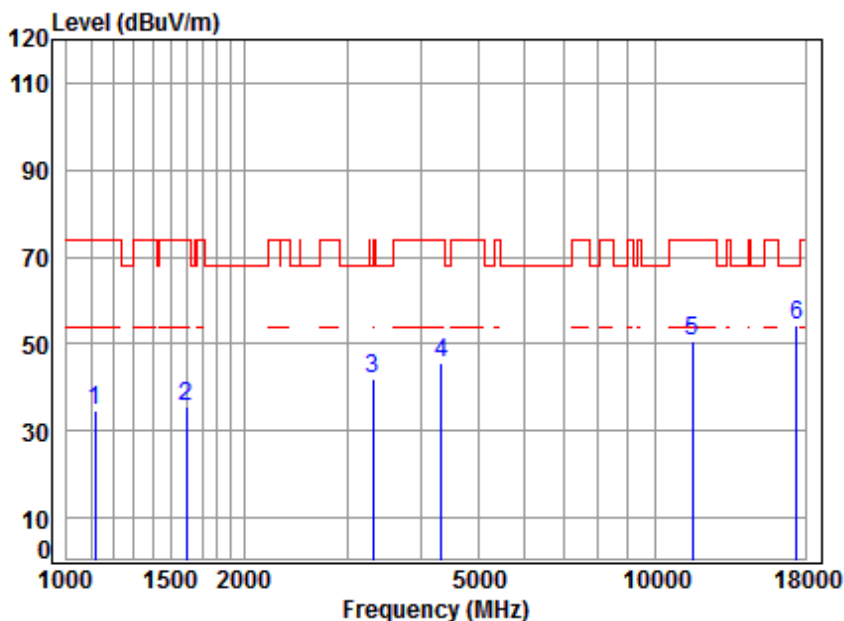
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 180 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1119.323	4.09	24.21	41.11	47.32	34.51	74.00	-39.49 peak
2	1597.181	5.35	26.24	41.47	45.49	35.61	74.00	-38.39 peak
3	3318.471	6.29	31.42	42.18	46.43	41.96	68.20	-26.24 peak
4	4341.886	7.38	33.33	42.39	47.34	45.66	74.00	-28.34 peak
5	11590.000	12.17	37.86	38.25	39.05	50.83	74.00	-23.17 peak
6	17385.000	15.85	42.83	40.60	36.04	54.12	68.20	-14.08 peak

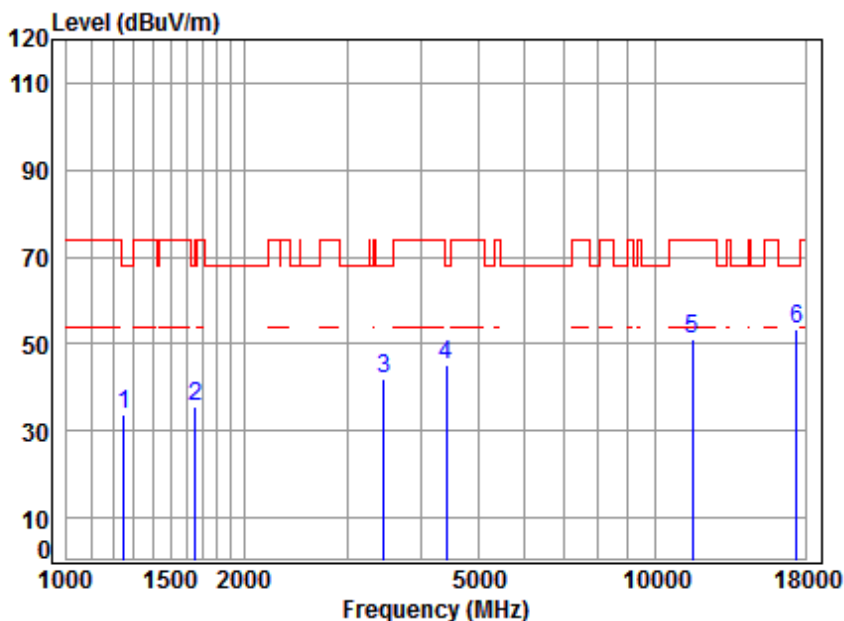
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 181 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11N40

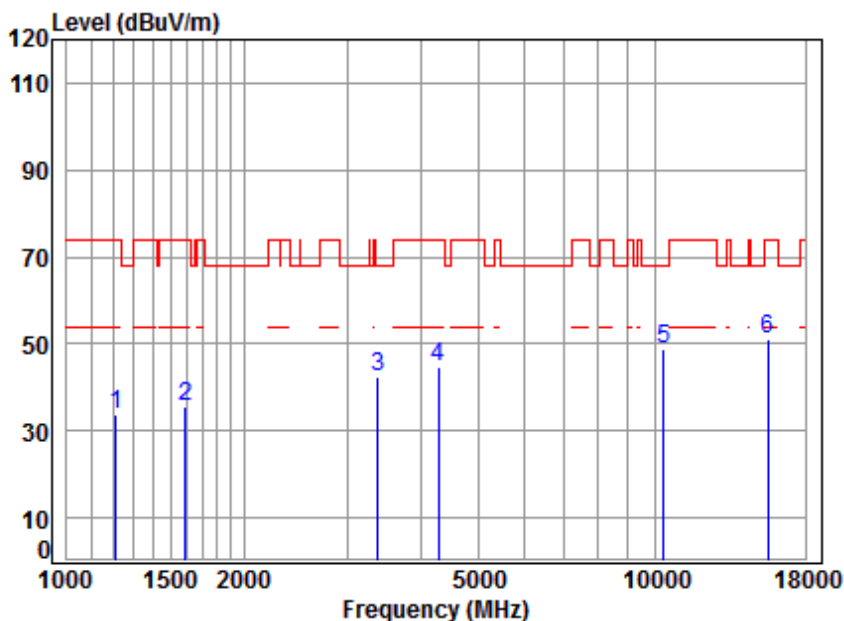
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	4.62	24.82	41.23	45.73	33.94	68.20	-34.26	peak
2	1653.550	5.28	26.48	41.50	45.14	35.40	68.20	-32.80	peak
3	3465.510	6.43	31.65	42.21	46.21	42.08	68.20	-26.12	peak
4	4417.841	7.47	33.46	42.40	46.71	45.24	68.20	-22.96	peak
5	11590.000	12.17	37.86	38.25	39.32	51.10	74.00	-22.90	peak
6	17385.000	15.85	42.83	40.60	35.50	53.58	68.20	-14.62	peak



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

Report No.: HR20188000503  
Page: 182 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1213.677	4.47	24.65	41.19	45.78	33.71	74.00	-40.29 peak
2	1592.571	5.36	26.22	41.47	45.31	35.42	74.00	-38.58 peak
3	3386.297	6.36	31.53	42.19	46.56	42.26	68.20	-25.94 peak
4	4291.977	7.33	33.24	42.38	46.74	44.93	74.00	-29.07 peak
5	10360.000	11.19	37.76	37.45	37.24	48.74	68.20	-19.46 peak
6	15540.000	14.30	40.72	39.00	35.13	51.15	74.00	-22.85 peak

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

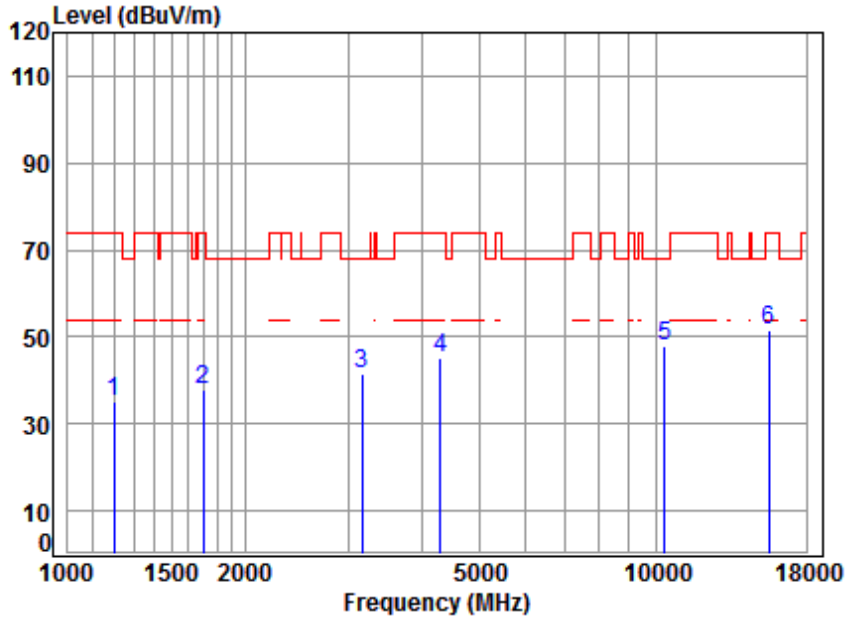


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 183 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11AC20

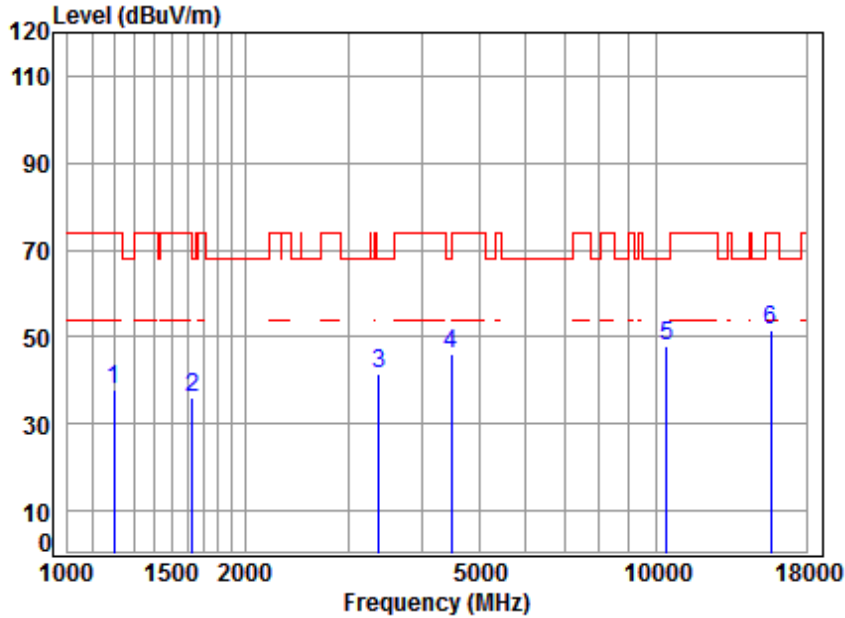
	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	47.49	35.32	74.00	-38.68 peak
2	1702.042	5.23	26.68	41.53	47.61	37.99	74.00	-36.01 peak
3	3159.355	6.14	31.17	42.14	46.37	41.54	68.20	-26.66 peak
4	4304.400	7.34	33.26	42.38	47.07	45.29	74.00	-28.71 peak
5	10360.000	11.19	37.76	37.45	36.37	47.87	68.20	-20.33 peak
6	15540.000	14.30	40.72	39.00	35.49	51.51	74.00	-22.49 peak



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

Report No.: HR20188000503  
Page: 184 of 390

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



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5220 TX RSE  
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	50.08	37.91	74.00	-36.09 peak
2	1629.825	5.31	26.38	41.49	45.74	35.94	68.20	-32.26 peak
3	3386.297	6.36	31.53	42.19	46.01	41.71	68.20	-26.49 peak
4	4495.125	7.55	33.59	42.42	47.53	46.25	68.20	-21.95 peak
5	10440.000	11.25	37.72	37.51	36.41	47.87	68.20	-20.33 peak
6	15660.000	14.48	40.80	39.11	35.55	51.72	74.00	-22.28 peak

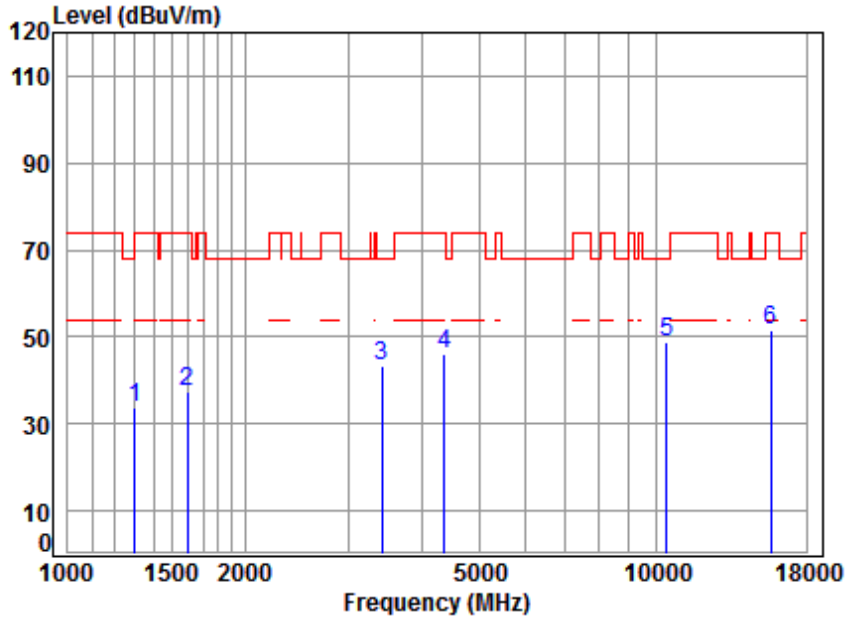




**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503  
Page: 185 of 390

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



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5220 TX RSE  
Note : 5G WIFI 11AC20

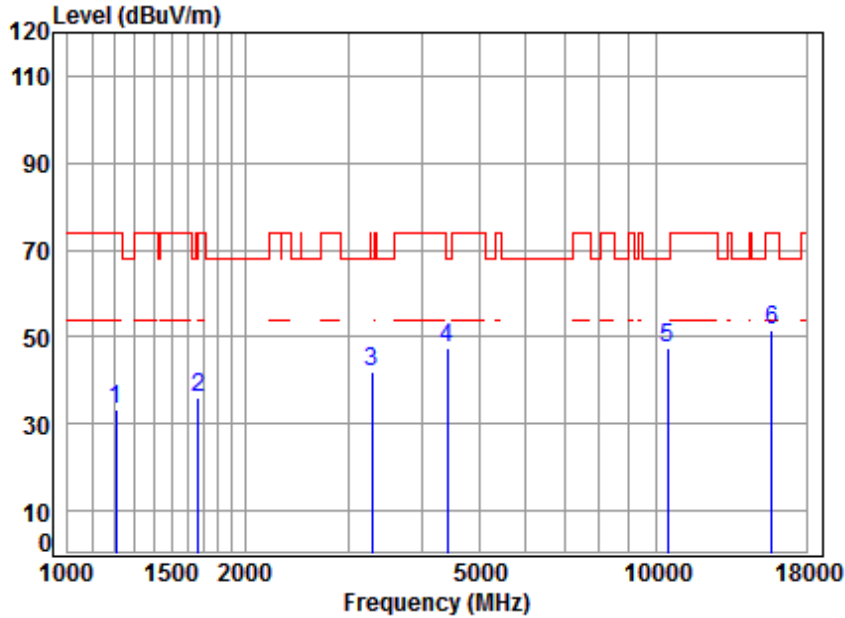
	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	4.80	25.03	41.26	45.14	33.71	74.00	-40.29 peak
2	1597.181	5.35	26.24	41.47	47.29	37.41	74.00	-36.59 peak
3	3425.675	6.39	31.59	42.20	47.47	43.25	68.20	-24.95 peak
4	4367.058	7.41	33.37	42.39	47.64	46.03	74.00	-27.97 peak
5	10440.000	11.25	37.72	37.51	37.42	48.88	68.20	-19.32 peak
6	15660.000	14.48	40.80	39.11	35.27	51.44	74.00	-22.56 peak



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

Report No.: HR20188000503  
Page: 186 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.44	24.62	41.19	45.54	33.41	74.00	-40.59	peak
2	5.27	26.54	41.51	45.71	36.01	74.00	-37.99	peak
3	6.27	31.38	42.17	46.39	41.87	68.20	-26.33	peak
4	7.47	33.46	42.40	49.12	47.65	68.20	-20.55	peak
5	11.28	37.71	37.53	36.09	47.55	68.20	-20.65	peak
6	14.57	40.83	39.17	35.32	51.55	74.00	-22.45	peak

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

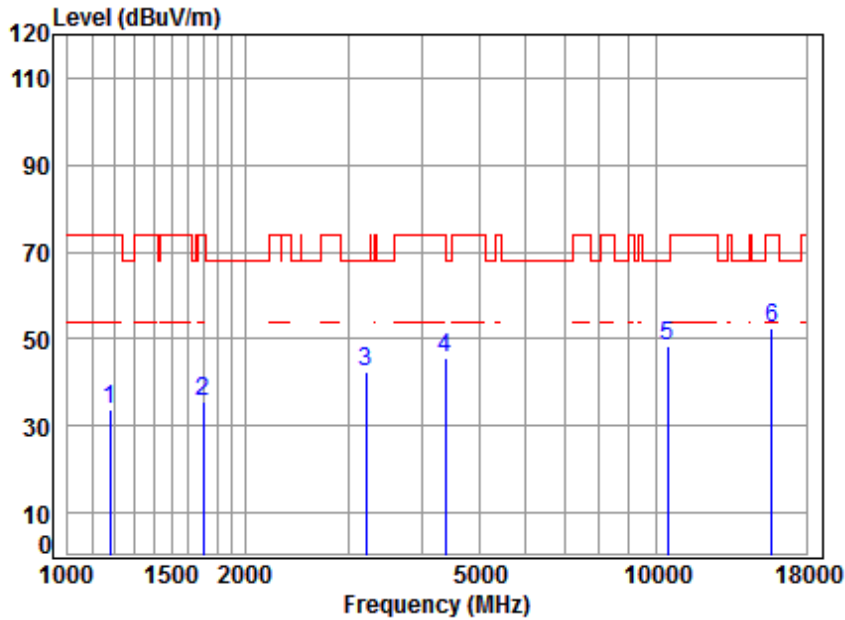


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 187 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	
1	1179.100	4.33	24.49	41.16	46.27	33.93	74.00	-40.07 peak
2	1702.042	5.23	26.68	41.53	45.44	35.82	74.00	-38.18 peak
3	3214.623	6.20	31.26	42.15	47.29	42.60	68.20	-25.60 peak
4	4379.699	7.43	33.39	42.40	47.23	45.65	74.00	-28.35 peak
5	10480.000	11.28	37.71	37.53	37.04	48.50	68.20	-19.70 peak
6	15720.000	14.57	40.83	39.17	36.31	52.54	74.00	-21.46 peak

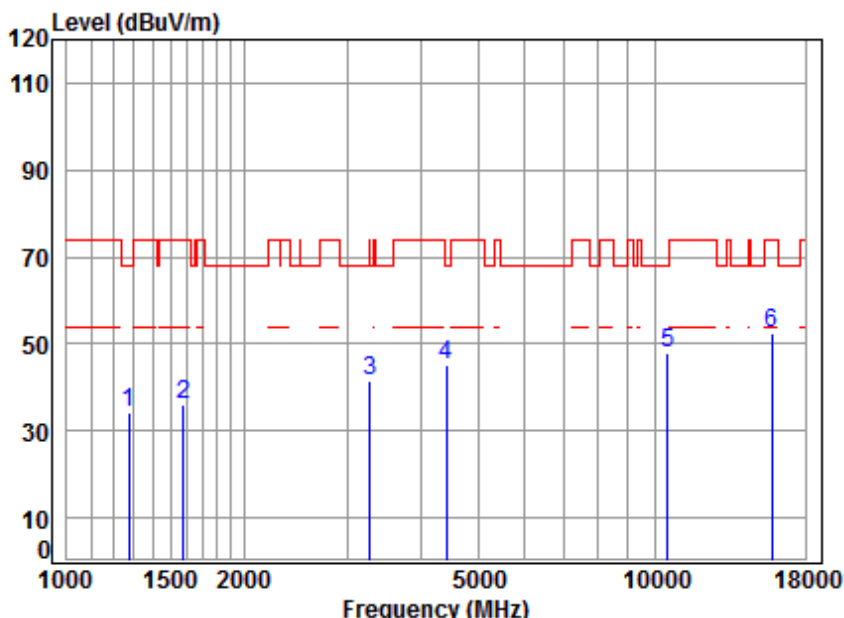
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>.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



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

Report No.: HR20188000503  
Page: 188 of 390

Test mode:	802.11ac(HT20)	Frequency(MHz):	5260	Peak	Vertical
------------	----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1274.802	4.71	24.92	41.24	45.98	34.37	68.20	-33.83 peak
2	1578.822	5.38	26.16	41.46	46.16	36.24	74.00	-37.76 peak
3	3270.858	6.25	31.35	42.17	46.12	41.55	68.20	-26.65 peak
4	4417.841	7.47	33.46	42.40	46.78	45.31	68.20	-22.89 peak
5	10520.000	11.30	37.70	37.56	36.37	47.81	68.20	-20.39 peak
6	15780.000	14.66	40.87	39.22	36.32	52.63	74.00	-21.37 peak

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

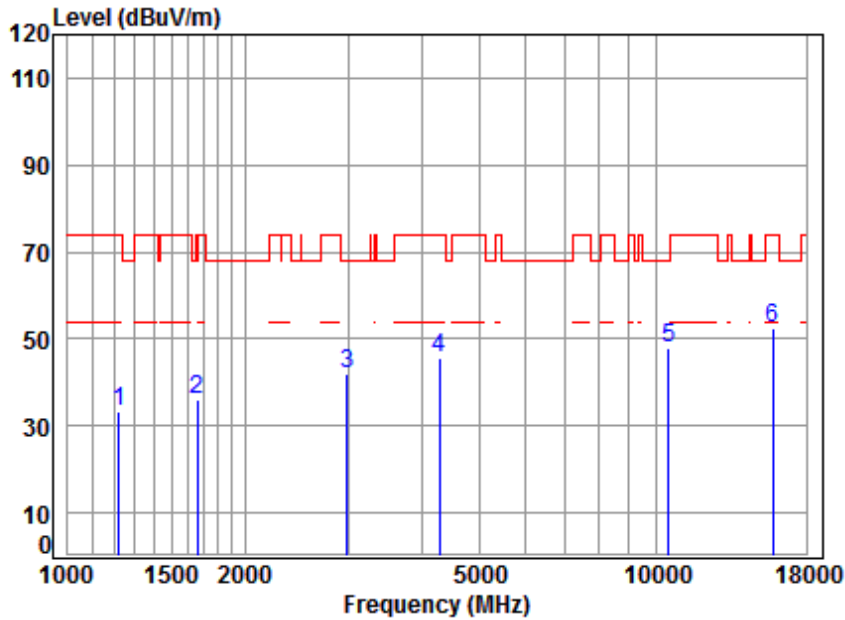


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 189 of 390

Test mode:	802.11ac(HT20 )	Frequency(MHz):	5260	Peak	Horizontal
------------	-----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1220.714	4.50	24.68	41.20	45.12	33.10	74.00	-40.90 peak
2	1663.137	5.27	26.52	41.51	45.60	35.88	74.00	-38.12 peak
3	2981.899	5.97	30.83	42.09	47.21	41.92	68.20	-26.28 peak
4	4291.977	7.33	33.24	42.38	47.40	45.59	74.00	-28.41 peak
5	10520.000	11.30	37.70	37.56	36.49	47.93	68.20	-20.27 peak
6	15780.000	14.66	40.87	39.22	36.21	52.52	74.00	-21.48 peak

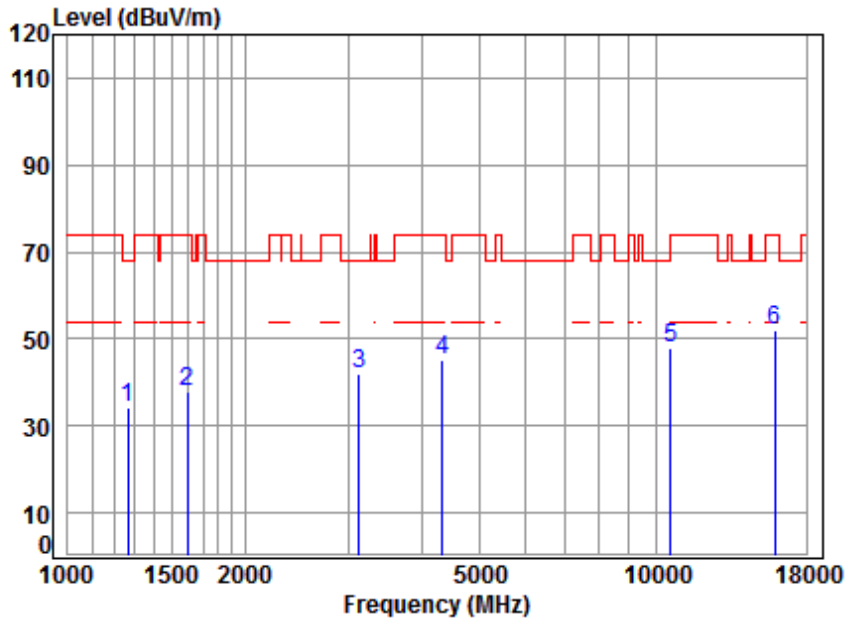


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 190 of 390

Test mode:	802.11ac(HT20)	Frequency(MHz):	5300	Peak	Vertical
------------	----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5300 TX RSE  
 Note : 5G WIFI 11AC20

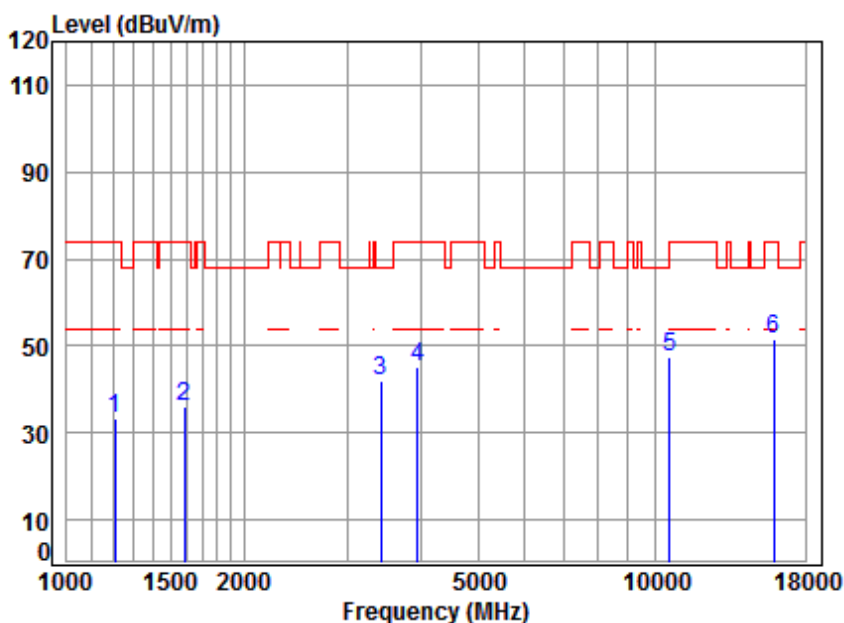
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.68	24.89	41.24	46.02	34.35	68.20	-33.85	peak
2	5.35	26.24	41.47	47.91	38.03	74.00	-35.97	peak
3	6.11	31.12	42.13	46.89	41.99	68.20	-26.21	peak
4	7.37	33.30	42.39	46.99	45.27	74.00	-28.73	peak
5	11.36	37.72	37.62	36.50	47.96	68.20	-20.24	peak
6	14.84	40.94	39.33	35.66	52.11	74.00	-21.89	peak



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

Report No.: HR20188000503  
Page: 191 of 390

Test mode:	802.11ac(HT20 )	Frequency(MHz):	5300	Peak	Horizontal
------------	-----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5300 TX RSE  
 Note : 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	1206.682	4.44	24.62	41.19	45.58	33.45	74.00	-40.55	peak
2	1587.975	5.37	26.20	41.46	46.05	36.16	74.00	-37.84	peak
3	3425.675	6.39	31.59	42.20	46.17	41.95	68.20	-26.25	peak
4	3946.885	6.93	32.60	42.31	47.72	44.94	74.00	-29.06	peak
5	10600.000	11.36	37.72	37.62	35.88	47.34	68.20	-20.86	peak
6	15900.000	14.84	40.94	39.33	34.89	51.34	74.00	-22.66	peak

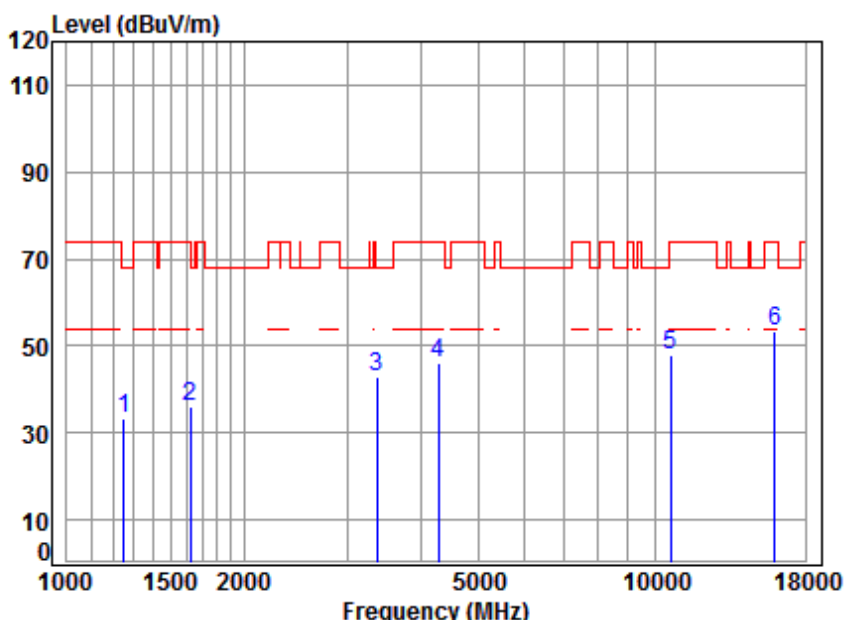
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>.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



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

Report No.: HR20188000503  
Page: 192 of 390

Test mode:	802.11ac(HT20 )	Frequency(MHz):	5320	Peak	Vertical
------------	-----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1252.885	4.62	24.82	41.23	45.30	33.51	68.20	-34.69 peak
2	1625.121	5.32	26.36	41.49	45.72	35.91	74.00	-38.09 peak
3	3366.778	6.34	31.50	42.19	47.36	43.01	68.20	-25.19 peak
4	4291.977	7.33	33.24	42.38	47.73	45.92	74.00	-28.08 peak
5	10640.000	11.39	37.73	37.64	36.38	47.86	74.00	-26.14 peak
6	15960.000	14.93	40.98	39.38	36.71	53.24	74.00	-20.76 peak

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

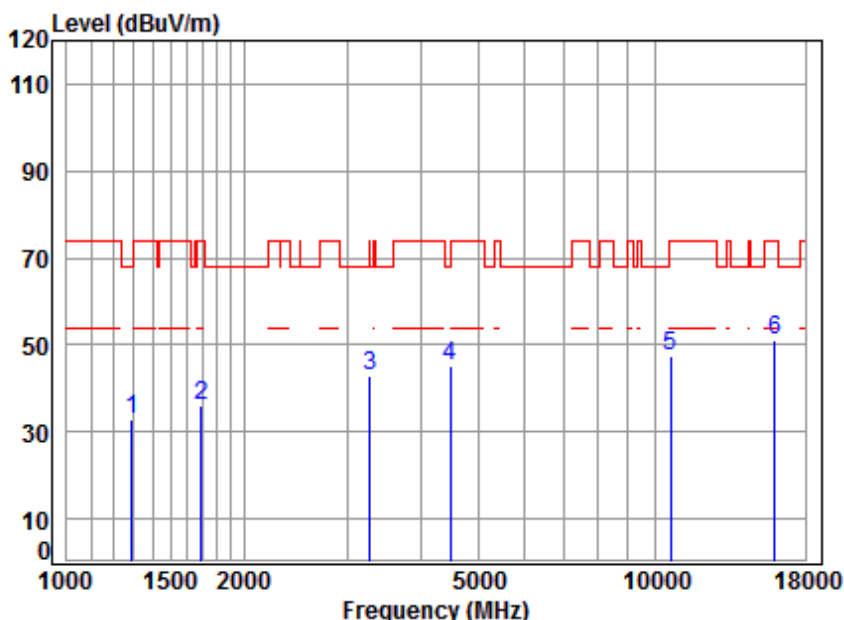




# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503  
Page: 193 of 390

Test mode:	802.11ac(HT20)	Frequency(MHz):	5320	Peak	Horizontal
------------	----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11AC20

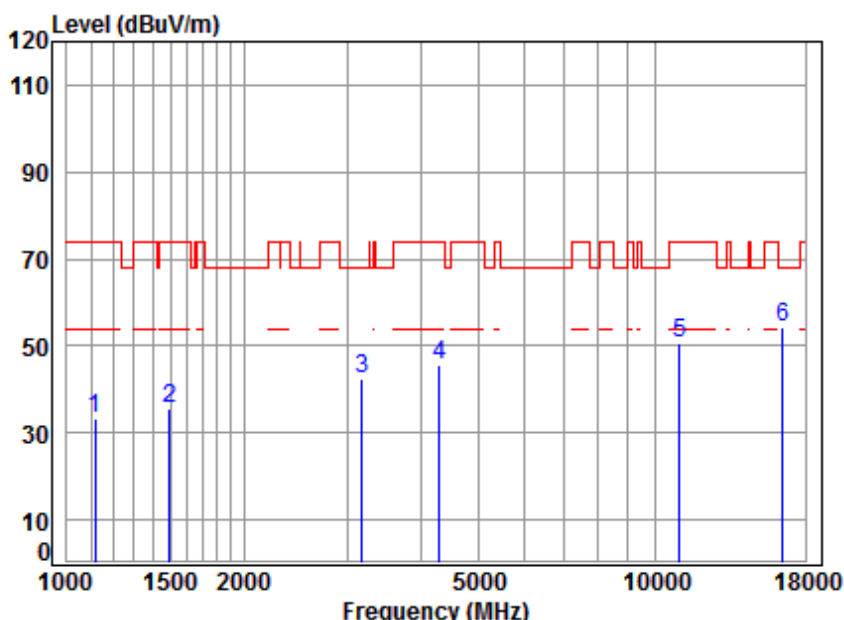
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.98	41.25	44.41	32.90	68.20	-35.30	peak
2	1692.231	5.24	26.64	41.53	45.83	36.18	74.00	-37.82	peak
3	3280.326	6.26	31.36	42.17	47.22	42.67	68.20	-25.53	peak
4	4495.125	7.55	33.59	42.42	46.63	45.35	68.20	-22.85	peak
5	10640.000	11.39	37.73	37.64	36.05	47.53	74.00	-26.47	peak
6	15960.000	14.93	40.98	39.38	34.68	51.21	74.00	-22.79	peak



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

Report No.: HR20188000503  
Page: 194 of 390

Test mode:	802.11ac(HT20 )	Frequency(MHz):	5500	Peak	Vertical
------------	-----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5500 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	
1	1119.323	4.09	24.21	41.11	46.16	33.35	74.00	-40.65 peak
2	1494.455	5.46	25.78	41.40	45.70	35.54	74.00	-38.46 peak
3	3177.672	6.16	31.20	42.15	47.10	42.31	68.20	-25.89 peak
4	4304.400	7.34	33.26	42.38	47.24	45.46	74.00	-28.54 peak
5	11000.000	11.63	37.80	37.88	38.96	50.51	74.00	-23.49 peak
6	16500.000	14.50	42.20	39.86	37.31	54.15	68.20	-14.05 peak

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

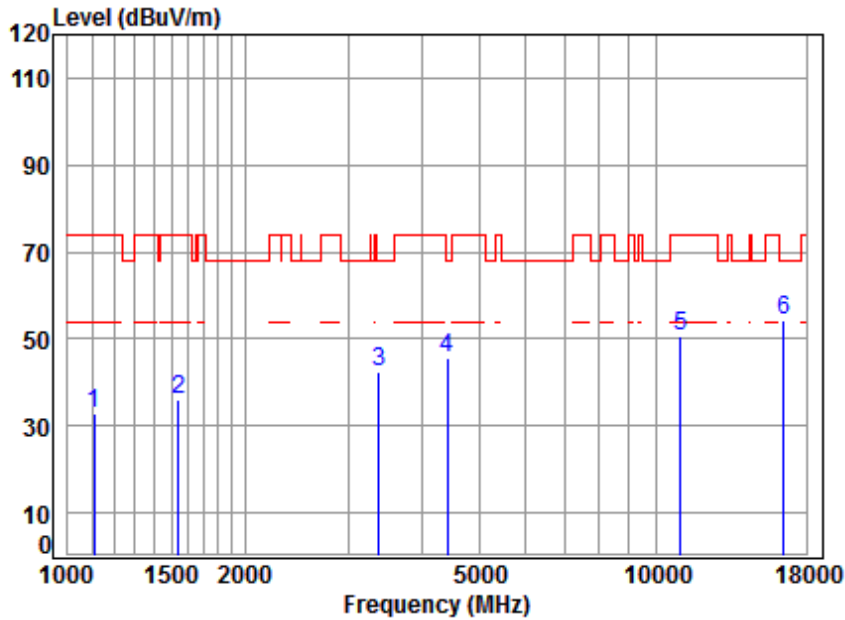


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 195 of 390

Test mode:	802.11ac(HT20 )	Frequency(MHz):	5500	Peak	Horizontal
------------	-----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5500 TX RSE  
 Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.05	24.16	41.10	45.96	33.07	74.00	-40.93	peak
2	5.42	26.00	41.43	46.19	36.18	74.00	-37.82	peak
3	6.36	31.53	42.19	46.87	42.57	68.20	-25.63	peak
4	7.47	33.46	42.40	47.31	45.84	68.20	-22.36	peak
5	11.63	37.80	37.88	38.89	50.44	74.00	-23.56	peak
6	14.50	42.20	39.86	37.64	54.48	68.20	-13.72	peak

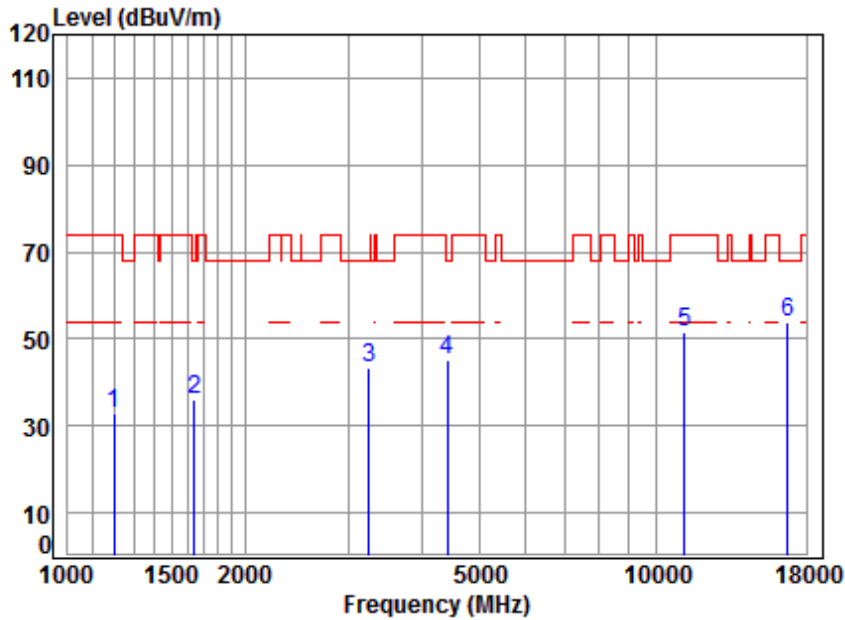


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 196 of 390

Test mode:	802.11ac(HT20)	Frequency(MHz):	5580	Peak	Vertical
------------	----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.42	24.59	41.18	45.10	32.93	74.00	-41.07	peak
2	5.30	26.42	41.49	45.93	36.16	68.20	-32.04	peak
3	6.23	31.32	42.16	48.17	43.56	68.20	-24.64	peak
4	7.47	33.46	42.40	46.70	45.23	68.20	-22.97	peak
5	11.80	37.83	37.98	39.74	51.39	74.00	-22.61	peak
6	15.57	42.39	40.07	35.97	53.86	68.20	-14.34	peak

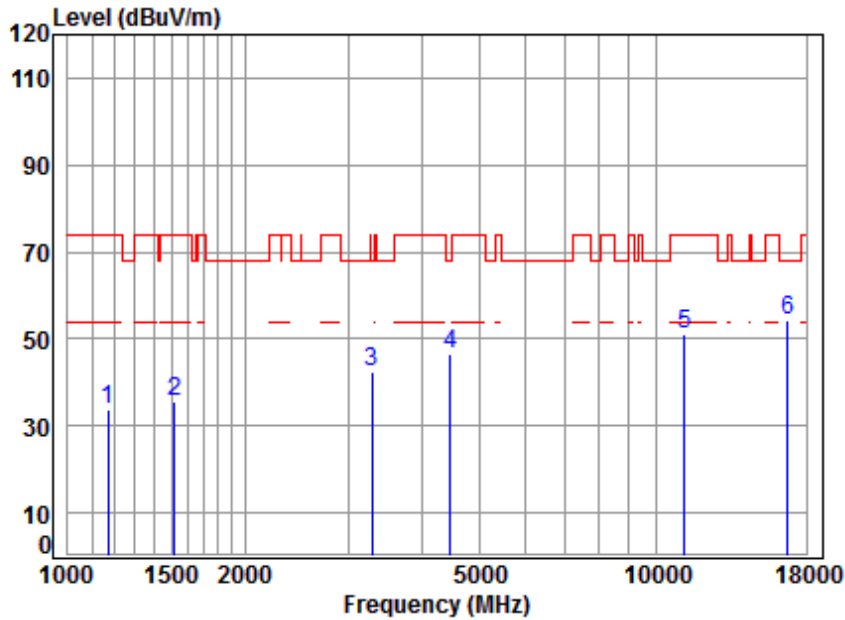


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 197 of 390

Test mode:	802.11ac(HT20)	Frequency(MHz):	5580	Peak	Horizontal
------------	----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	
1	1168.920	4.29	24.45	41.16	45.99	33.57	74.00	-40.43 peak
2	1516.210	5.46	25.87	41.42	45.53	35.44	74.00	-38.56 peak
3	3289.821	6.27	31.38	42.17	46.97	42.45	68.20	-25.75 peak
4	4469.214	7.53	33.55	42.41	47.71	46.38	68.20	-21.82 peak
5	11160.000	11.80	37.83	37.98	39.33	50.98	74.00	-23.02 peak
6	16740.000	15.57	42.39	40.07	36.21	54.10	68.20	-14.10 peak

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

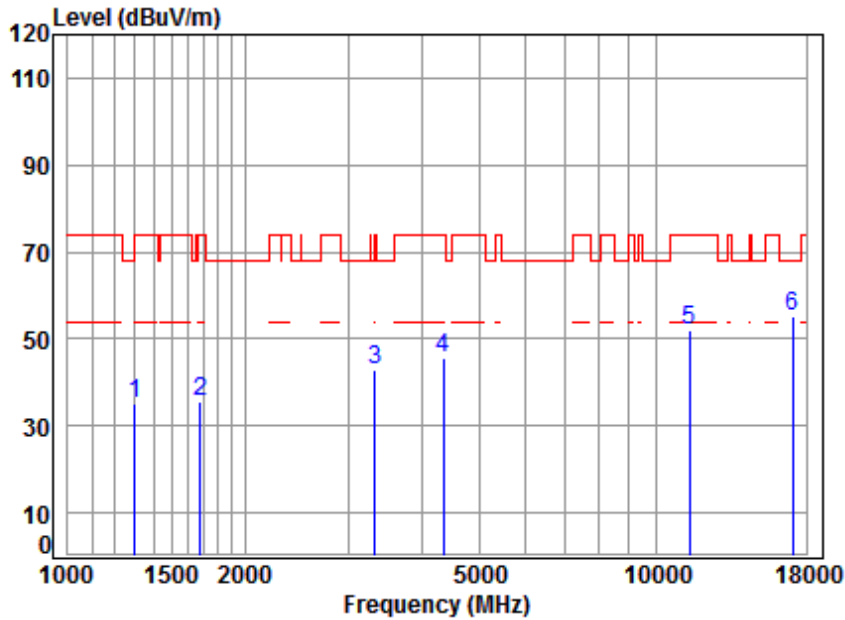


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 198 of 390

Test mode:	802.11ac(HT20)	Frequency(MHz):	5700	Peak	Vertical
------------	----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	25.03	41.26	46.38	34.95	74.00	-39.05	peak
2	1682.477	5.25	26.60	41.52	45.17	35.50	74.00	-38.50	peak
3	3328.077	6.30	31.44	42.18	47.40	42.96	68.20	-25.24	peak
4	4354.454	7.40	33.35	42.39	47.13	45.49	74.00	-28.51	peak
5	11400.000	12.04	37.88	38.13	40.19	51.98	74.00	-22.02	peak
6	17100.000	16.49	42.66	40.37	36.21	54.99	68.20	-13.21	peak

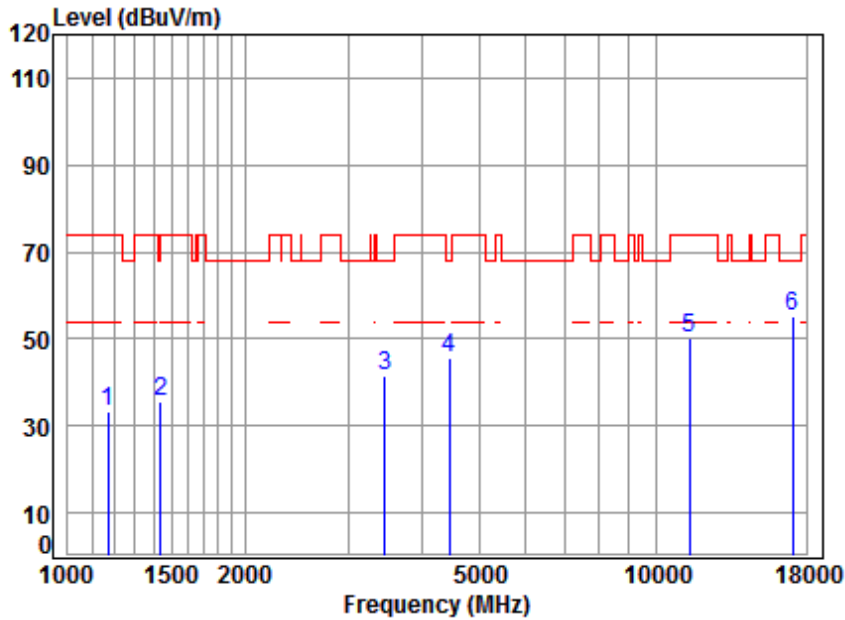


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 199 of 390

Test mode:	802.11ac(HT20)	Frequency(MHz):	5700	Peak	Horizontal
------------	----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.31	24.46	41.16	45.64	33.25	74.00	-40.75	peak
2	5.28	25.58	41.36	46.01	35.51	74.00	-38.49	peak
3	6.43	31.65	42.21	45.73	41.60	68.20	-26.60	peak
4	7.51	33.53	42.41	47.20	45.83	68.20	-22.37	peak
5	12.04	37.88	38.13	38.58	50.37	74.00	-23.63	peak
6	16.49	42.66	40.37	36.36	55.14	68.20	-13.06	peak

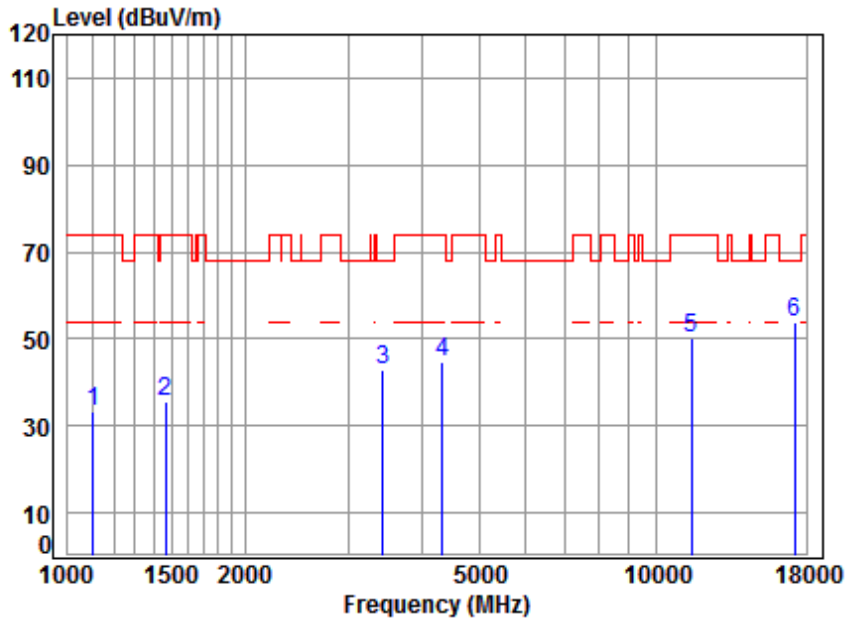


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 200 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	4.02	24.13	41.10	46.19	33.24	74.00	-40.76	peak
2	1464.522	5.37	25.67	41.38	45.95	35.61	74.00	-38.39	peak
3	3435.590	6.40	31.60	42.21	46.93	42.72	68.20	-25.48	peak
4	4341.886	7.38	33.33	42.39	46.34	44.66	74.00	-29.34	peak
5	11490.000	12.13	37.90	38.19	38.57	50.41	74.00	-23.59	peak
6	17235.000	16.18	42.74	40.48	35.27	53.71	68.20	-14.49	peak

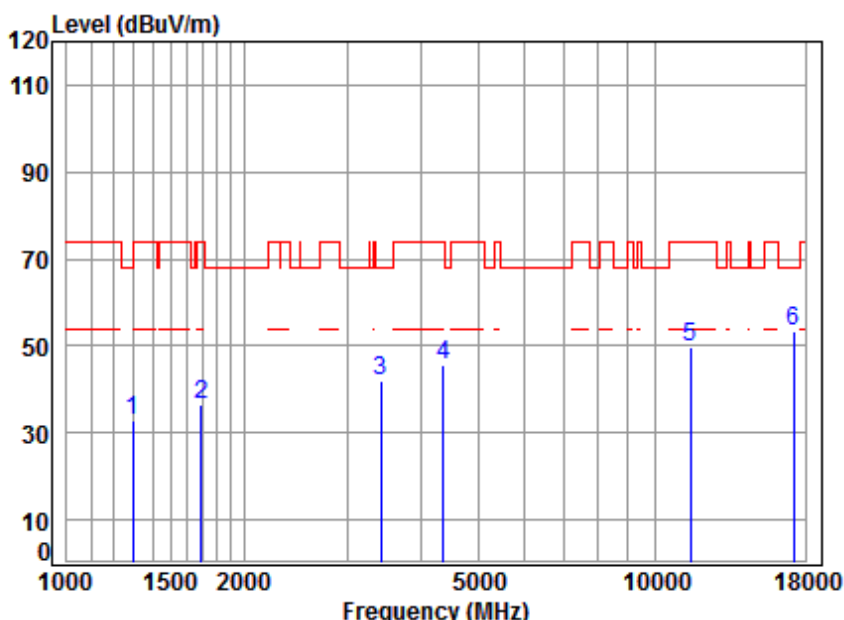




# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503  
Page: 201 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11AC20

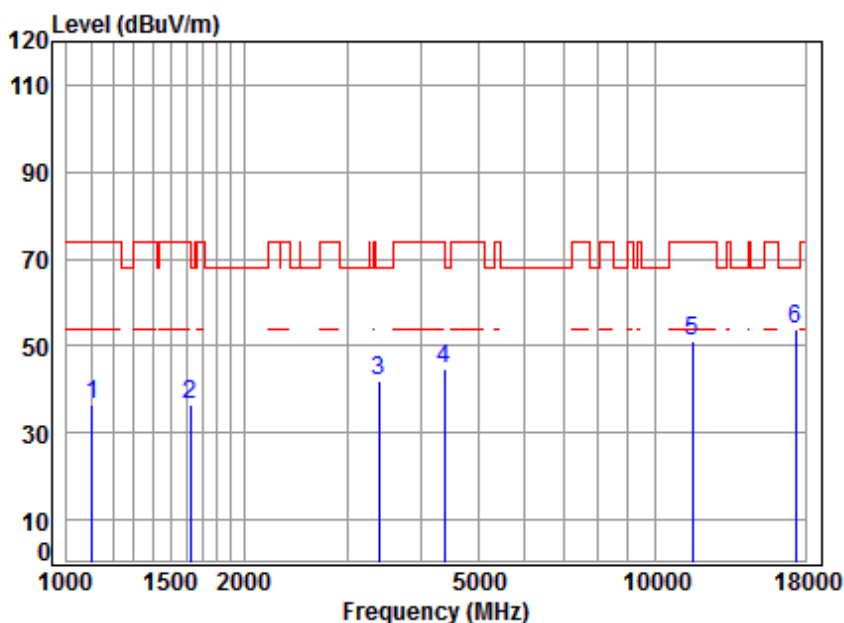
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	25.01	41.26	44.54	33.08	68.20	-35.12	peak
2	1692.231	5.24	26.64	41.53	46.01	36.36	74.00	-37.64	peak
3	3415.787	6.38	31.57	42.20	46.27	42.02	68.20	-26.18	peak
4	4367.058	7.41	33.37	42.39	47.44	45.83	74.00	-28.17	peak
5	11490.000	12.13	37.90	38.19	37.69	49.53	74.00	-24.47	peak
6	17235.000	16.18	42.74	40.48	35.14	53.58	68.20	-14.62	peak



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

Report No.: HR20188000503  
Page: 202 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11AC20

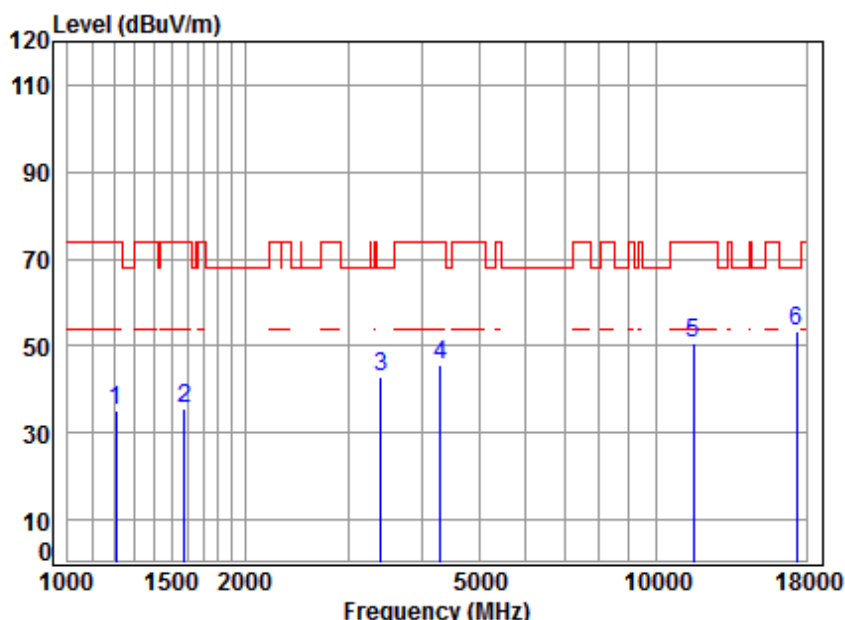
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	4.02	24.13	41.10	49.31	36.36	74.00	-37.64	peak
2	1625.121	5.32	26.36	41.49	46.29	36.48	74.00	-37.52	peak
3	3396.098	6.37	31.54	42.20	46.41	42.12	68.20	-26.08	peak
4	4392.376	7.44	33.42	42.40	46.05	44.51	74.00	-29.49	peak
5	11570.000	12.17	37.87	38.24	39.39	51.19	74.00	-22.81	peak
6	17355.000	15.92	42.81	40.58	35.84	53.99	68.20	-14.21	peak



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

Report No.: HR20188000503  
Page: 203 of 390

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



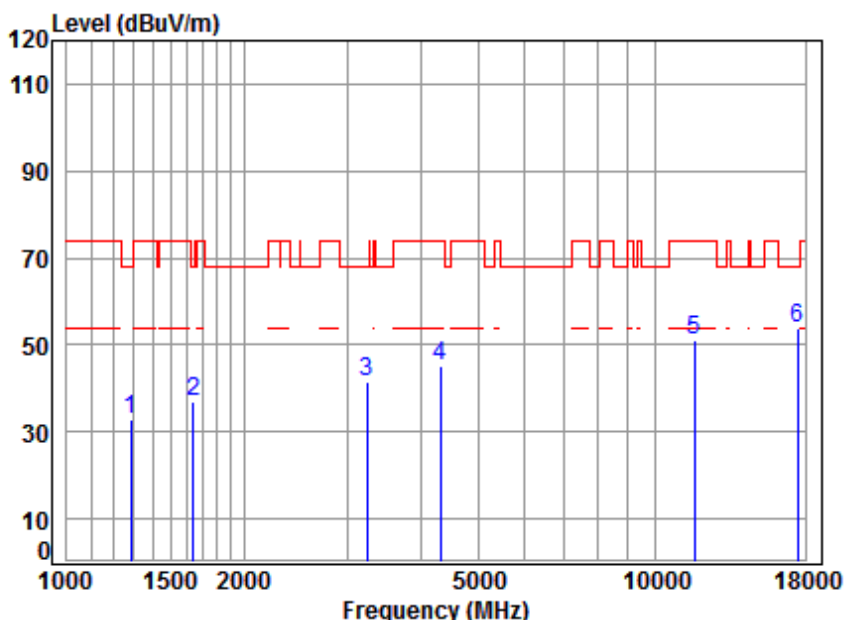
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1206.682	4.44	24.62	41.19	47.16	35.03	74.00	-38.97 peak
2	1578.822	5.38	26.16	41.46	45.52	35.60	74.00	-38.40 peak
3	3405.929	6.38	31.56	42.20	47.12	42.86	68.20	-25.34 peak
4	4304.400	7.34	33.26	42.38	47.27	45.49	74.00	-28.51 peak
5	11570.000	12.17	37.87	38.24	38.80	50.60	74.00	-23.40 peak
6	17355.000	15.92	42.81	40.58	35.16	53.31	68.20	-14.89 peak

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



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



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5825 TX RSE  
Note : 5G WIFI 11AC20

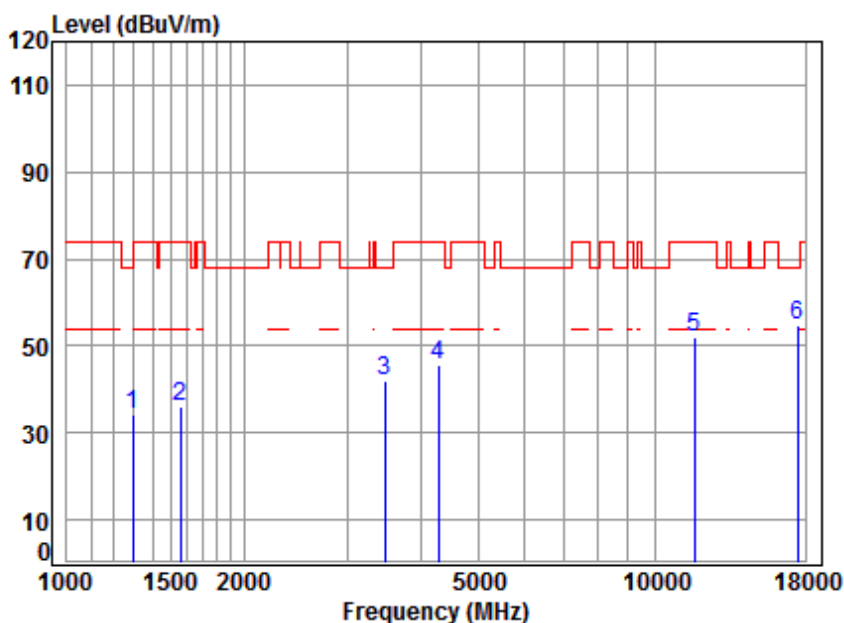
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1285.904	4.75	24.96	41.25	44.23	32.69	68.20	-35.51 peak
2	1639.274	5.30	26.42	41.49	46.60	36.83	68.20	-31.37 peak
3	3242.619	6.22	31.30	42.16	45.97	41.33	68.20	-26.87 peak
4	4316.859	7.36	33.28	42.38	46.77	45.03	74.00	-28.97 peak
5	11650.000	12.20	37.84	38.29	39.45	51.20	74.00	-22.80 peak
6	17475.000	15.65	42.89	40.68	35.77	53.63	68.20	-14.57 peak



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

Report No.: HR20188000503  
Page: 205 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5825 TX RSE  
 Note : 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	1297.103	4.79	25.01	41.26	45.82	34.36	68.20	-33.84	peak
2	1560.673	5.40	26.08	41.45	46.08	36.11	74.00	-37.89	peak
3	3475.541	6.44	31.66	42.22	46.15	42.03	68.20	-26.17	peak
4	4291.977	7.33	33.24	42.38	47.37	45.56	74.00	-28.44	peak
5	11650.000	12.20	37.84	38.29	40.26	52.01	74.00	-21.99	peak
6	17475.000	15.65	42.89	40.68	36.84	54.70	68.20	-13.50	peak

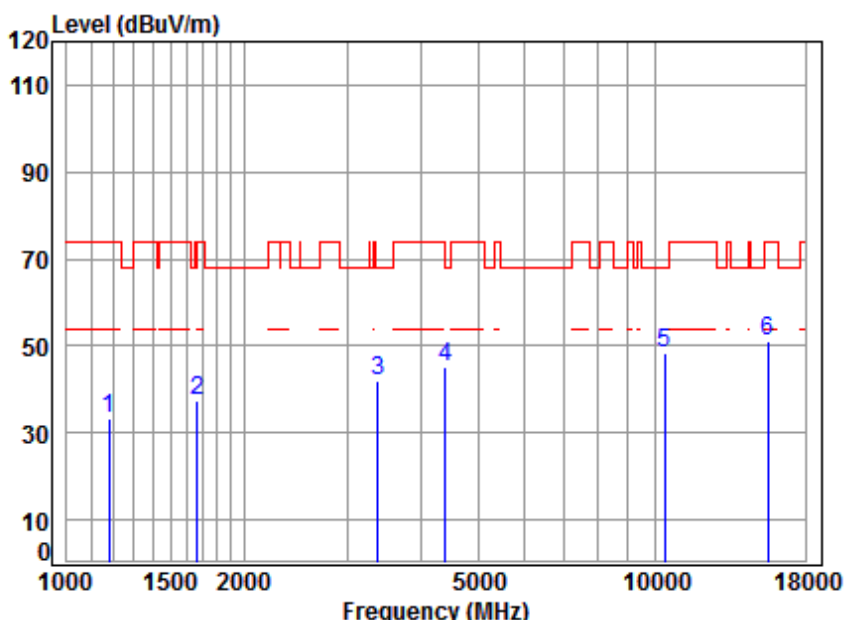
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 206 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1179.100	4.33	24.49	41.16	45.86	33.52	74.00	-40.48 peak
2	1667.951	5.27	26.54	41.51	46.99	37.29	74.00	-36.71 peak
3	3376.523	6.35	31.51	42.19	46.50	42.17	68.20	-26.03 peak
4	4405.090	7.46	33.44	42.40	46.84	45.34	68.20	-22.86 peak
5	10380.000	11.21	37.75	37.47	36.83	48.32	68.20	-19.88 peak
6	15570.000	14.35	40.74	39.03	35.14	51.20	74.00	-22.80 peak

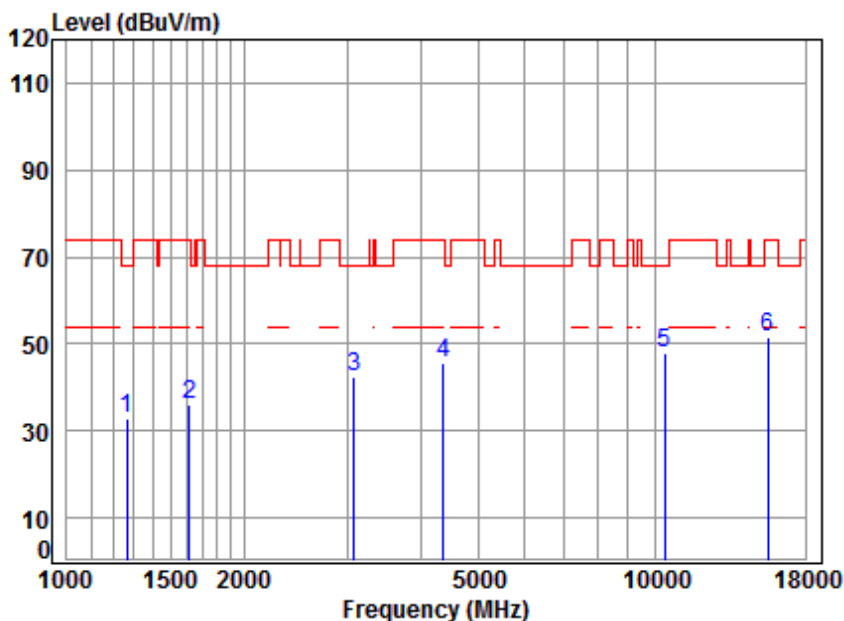
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 207 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	
1	1263.796	4.66	24.87	41.23	44.62	32.92	68.20	-35.28 peak
2	1615.754	5.33	26.32	41.48	45.86	36.03	74.00	-37.97 peak
3	3078.229	6.06	31.03	42.12	47.68	42.65	68.20	-25.55 peak
4	4367.058	7.41	33.37	42.39	47.07	45.46	74.00	-28.54 peak
5	10380.000	11.21	37.75	37.47	36.22	47.71	68.20	-20.49 peak
6	15570.000	14.35	40.74	39.03	35.53	51.59	74.00	-22.41 peak

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

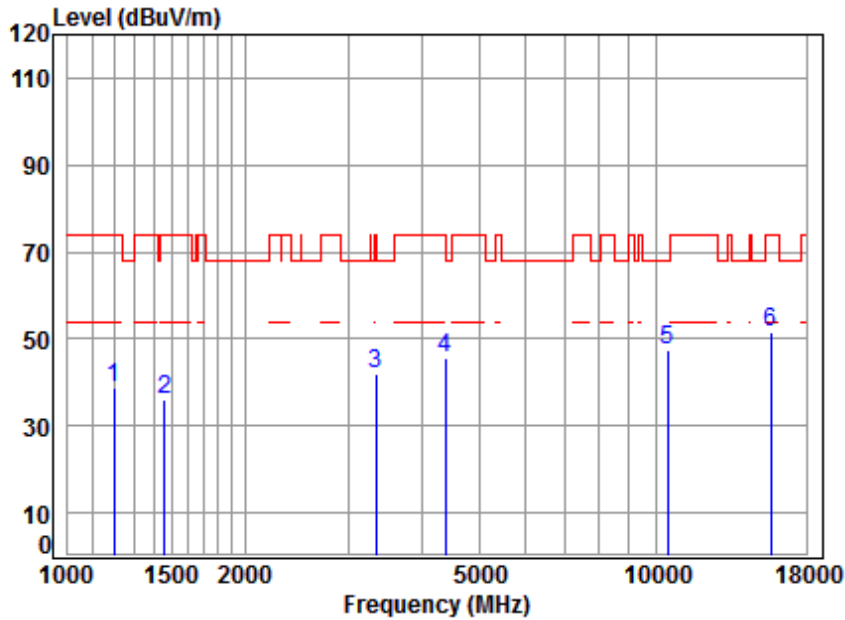


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 208 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5230 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	50.91	38.74	74.00	-35.26 peak
2	1460.295	5.35	25.65	41.38	46.55	36.17	74.00	-37.83 peak
3	3337.710	6.31	31.45	42.18	46.19	41.77	74.00	-32.23 peak
4	4392.376	7.44	33.42	42.40	47.19	45.65	74.00	-28.35 peak
5	10460.000	11.26	37.72	37.52	36.13	47.59	68.20	-20.61 peak
6	15690.000	14.53	40.82	39.14	35.31	51.52	74.00	-22.48 peak

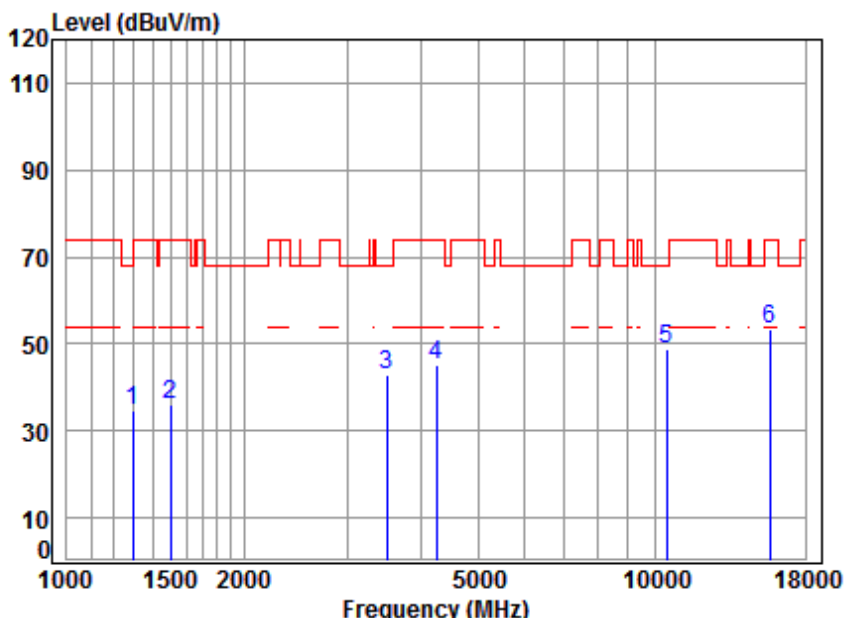




# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503  
Page: 209 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5230 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	4.79	25.01	41.26	46.16	34.70	68.20	-33.50 peak
2	1503.119	5.48	25.81	41.41	46.16	36.04	74.00	-37.96 peak
3	3495.691	6.46	31.69	42.22	46.76	42.69	68.20	-25.51 peak
4	4254.921	7.28	33.17	42.37	47.07	45.15	74.00	-28.85 peak
5	10460.000	11.26	37.72	37.52	37.23	48.69	68.20	-19.51 peak
6	15690.000	14.53	40.82	39.14	37.12	53.33	74.00	-20.67 peak

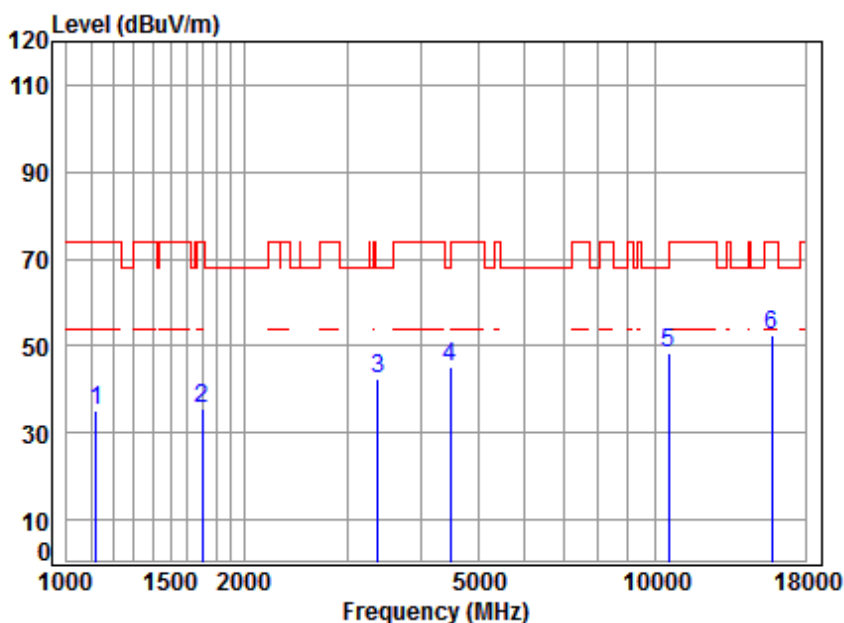
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 210 of 390

Test mode:	802.11ac(HT40 )	Frequency(MHz):	5270	Peak	Vertical
------------	-----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5270 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	4.10	24.23	41.12	47.85	35.06	74.00	-38.94 peak
2	1697.129	5.23	26.66	41.53	45.13	35.49	74.00	-38.51 peak
3	3386.297	6.36	31.53	42.19	46.74	42.44	68.20	-25.76 peak
4	4495.125	7.55	33.59	42.42	46.62	45.34	68.20	-22.86 peak
5	10540.000	11.32	37.71	37.57	37.08	48.54	68.20	-19.66 peak
6	15810.000	14.71	40.89	39.25	36.20	52.55	74.00	-21.45 peak

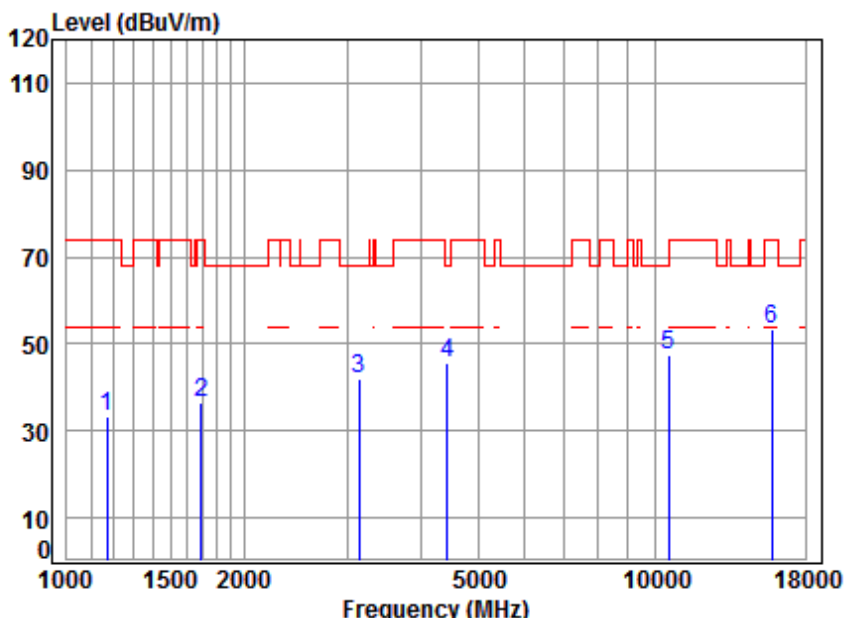
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 211 of 390

Test mode:	802.11ac(HT40 )	Frequency(MHz):	5270	Peak	Horizontal
------------	-----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5270 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1172.303	4.31	24.46	41.16	45.80	33.41	74.00	-40.59 peak
2	1692.231	5.24	26.64	41.53	46.33	36.68	74.00	-37.32 peak
3	3141.145	6.12	31.14	42.14	47.04	42.16	68.20	-26.04 peak
4	4443.453	7.50	33.50	42.41	46.99	45.58	68.20	-22.62 peak
5	10540.000	11.32	37.71	37.57	36.21	47.67	68.20	-20.53 peak
6	15810.000	14.71	40.89	39.25	37.12	53.47	74.00	-20.53 peak

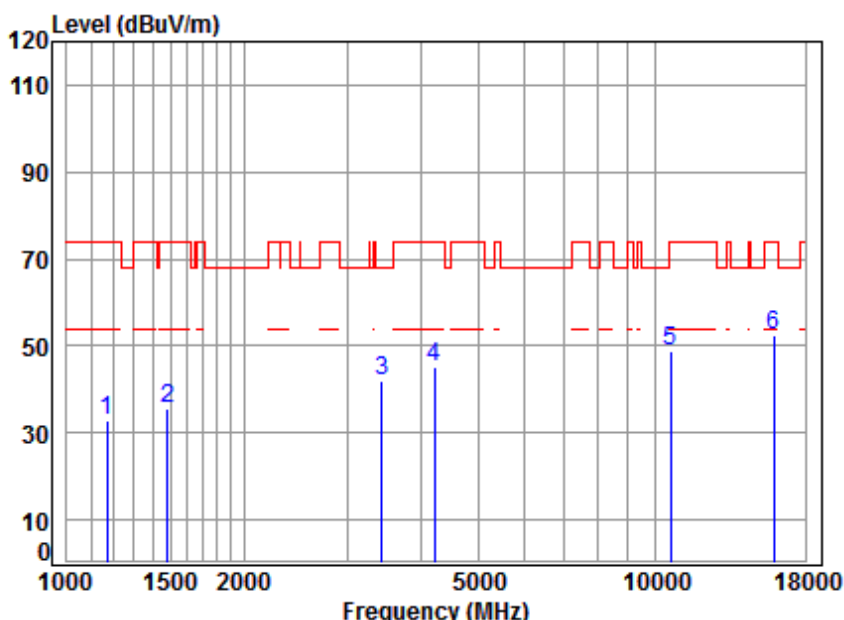
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 212 of 390

Test mode:	802.11ac(HT40 )	Frequency(MHz):	5310	Peak	Vertical
------------	-----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5310 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1168.920	4.29	24.45	41.16	45.35	32.93	74.00	-41.07 peak
2	1481.553	5.42	25.73	41.39	46.01	35.77	74.00	-38.23 peak
3	3435.590	6.40	31.60	42.21	46.03	41.82	68.20	-26.38 peak
4	4218.186	7.24	33.11	42.37	47.40	45.38	74.00	-28.62 peak
5	10620.000	11.37	37.72	37.63	37.39	48.85	74.00	-25.15 peak
6	15930.000	14.89	40.96	39.36	36.00	52.49	74.00	-21.51 peak

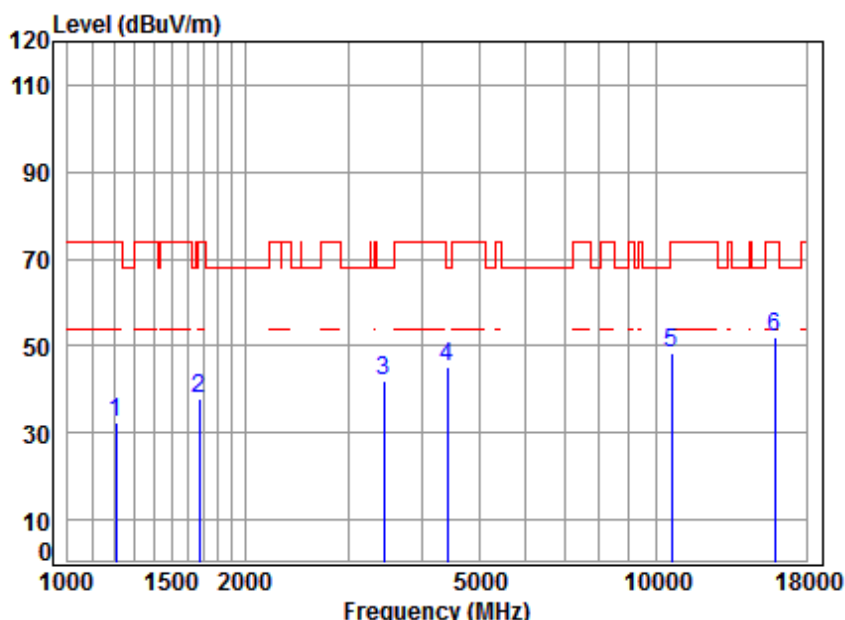
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 213 of 390

Test mode:	802.11ac(HT40)	Frequency(MHz):	5310	Peak	Horizontal
------------	----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5310 TX RSE  
 Note : 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	1206.682	4.44	24.62	41.19	44.73	32.60	74.00	-41.40	peak
2	1672.779	5.26	26.56	41.52	47.42	37.72	74.00	-36.28	peak
3	3445.535	6.41	31.62	42.21	46.01	41.83	68.20	-26.37	peak
4	4417.841	7.47	33.46	42.40	46.69	45.22	68.20	-22.98	peak
5	10620.000	11.37	37.72	37.63	36.90	48.36	74.00	-25.64	peak
6	15930.000	14.89	40.96	39.36	35.35	51.84	74.00	-22.16	peak

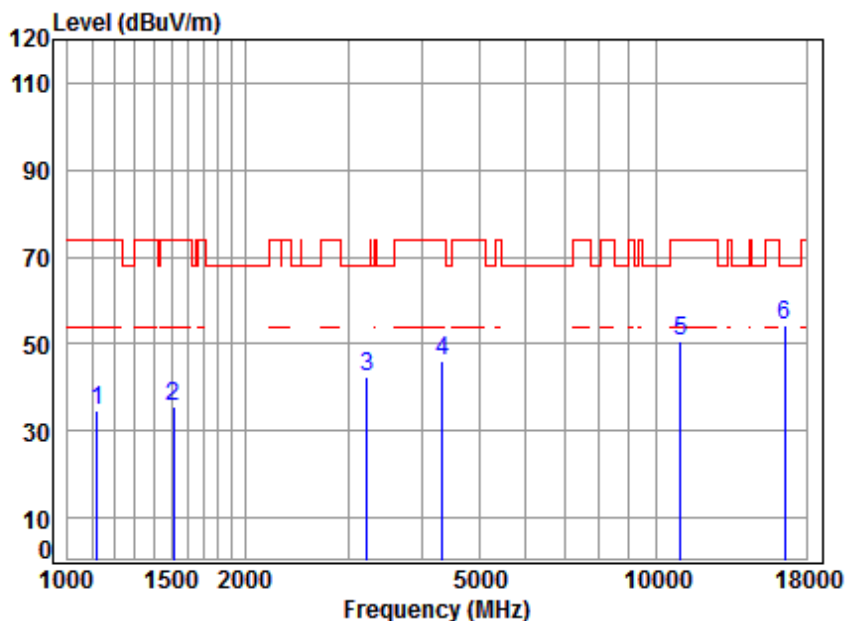
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 214 of 390

Test mode:	802.11ac(HT40 )	Frequency(MHz):	5510	Peak	Vertical
------------	-----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5510 TX RSE  
 Note : 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	1122.563	4.10	24.23	41.12	47.28	34.49	74.00	-39.51	peak
2	1511.833	5.46	25.85	41.41	45.84	35.74	74.00	-38.26	peak
3	3223.928	6.20	31.27	42.16	47.19	42.50	68.20	-25.70	peak
4	4341.886	7.38	33.33	42.39	47.88	46.20	74.00	-27.80	peak
5	11020.000	11.65	37.80	37.89	38.94	50.50	74.00	-23.50	peak
6	16530.000	14.63	42.22	39.89	37.53	54.49	68.20	-13.71	peak

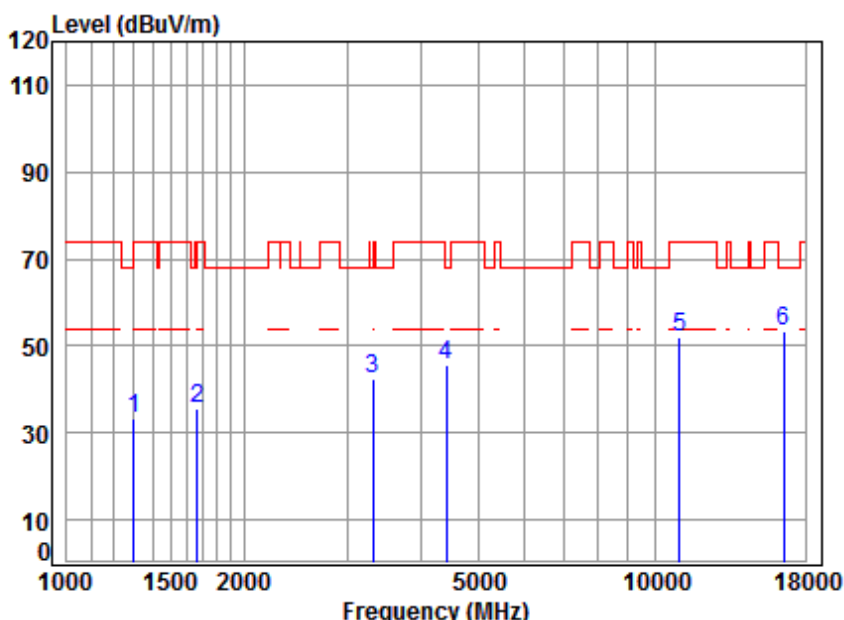
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 215 of 390

Test mode:	802.11ac(HT40)	Frequency(MHz):	5510	Peak	Horizontal
------------	----------------	-----------------	------	------	------------

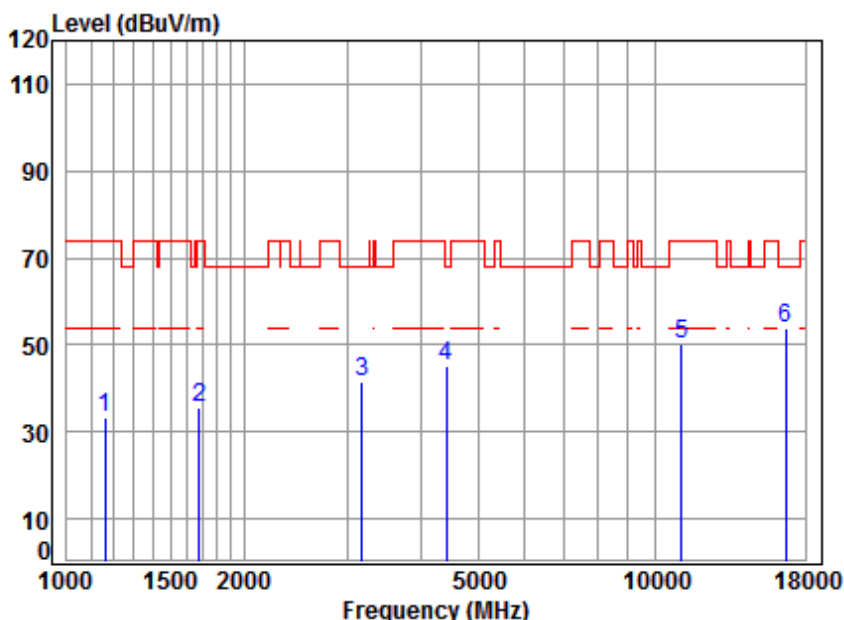


Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5510 TX RSE  
 Note : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.80	25.03	41.26	44.77	33.34	74.00	-40.66	peak
2	5.27	26.54	41.51	45.37	35.67	74.00	-38.33	peak
3	6.29	31.42	42.18	46.92	42.45	68.20	-25.75	peak
4	7.47	33.46	42.40	47.11	45.64	68.20	-22.56	peak
5	11.65	37.80	37.89	40.46	52.02	74.00	-21.98	peak
6	14.63	42.22	39.89	36.54	53.50	68.20	-14.70	peak



Test mode:	802.11ac(HT40)	Frequency(MHz):	5550	Peak	Vertical
------------	----------------	-----------------	------	------	----------



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5550 TX RSE  
Note : 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	1162.182	4.27	24.42	41.15	45.99	33.53	74.00	-40.47	peak
2	1682.477	5.25	26.60	41.52	45.04	35.37	74.00	-38.63	peak
3	3177.672	6.16	31.20	42.15	46.53	41.74	68.20	-26.46	peak
4	4417.841	7.47	33.46	42.40	46.55	45.08	68.20	-23.12	peak
5	11100.000	11.73	37.82	37.94	38.77	50.38	74.00	-23.62	peak
6	16650.000	15.17	42.32	39.99	36.40	53.90	68.20	-14.30	peak



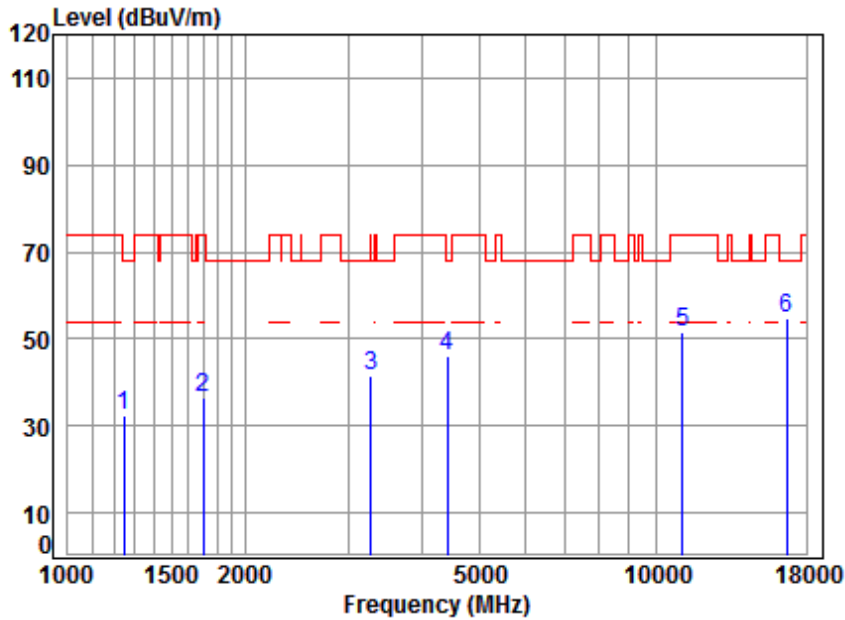


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 217 of 390

Test mode:	802.11ac(HT40)	Frequency(MHz):	5550	Peak	Horizontal
------------	----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5550 TX RSE  
 Note : 5G WIFI 11AC40

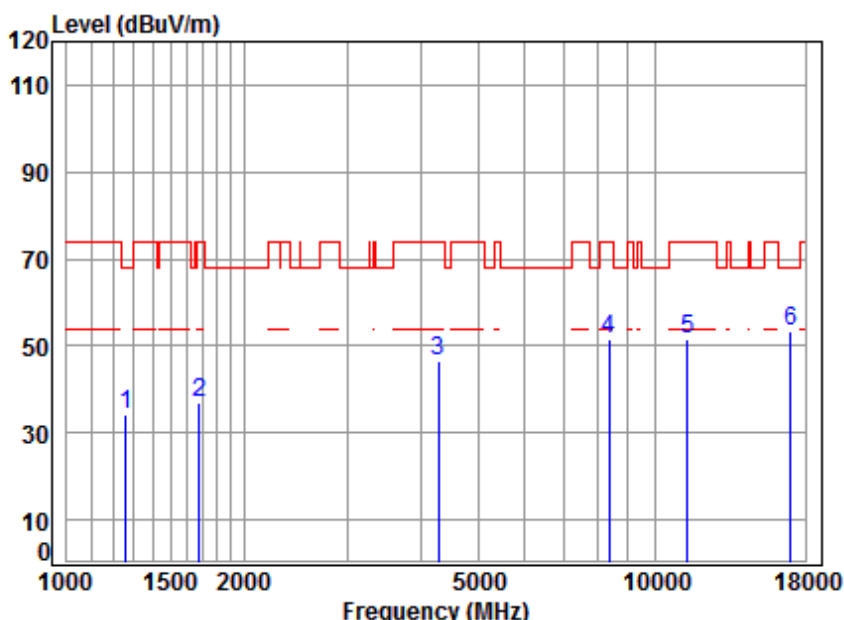
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.663	4.60	24.79	41.22	44.36	32.53	68.20	-35.67	peak
2	1702.042	5.23	26.68	41.53	46.34	36.72	74.00	-37.28	peak
3	3280.326	6.26	31.36	42.17	46.22	41.67	68.20	-26.53	peak
4	4417.841	7.47	33.46	42.40	47.71	46.24	68.20	-21.96	peak
5	11100.000	11.73	37.82	37.94	39.86	51.47	74.00	-22.53	peak
6	16650.000	15.17	42.32	39.99	37.33	54.83	68.20	-13.37	peak



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

Report No.: HR20188000503  
Page: 218 of 390

Test mode:	802.11ac(HT40)	Frequency(MHz):	5670	Peak	Vertical
------------	----------------	-----------------	------	------	----------



Site : chamber  
Condition: 3m Vertical  
Job No : 80005  
Mode : 5670 TX RSE  
Note : 5G WIFI 11AC40

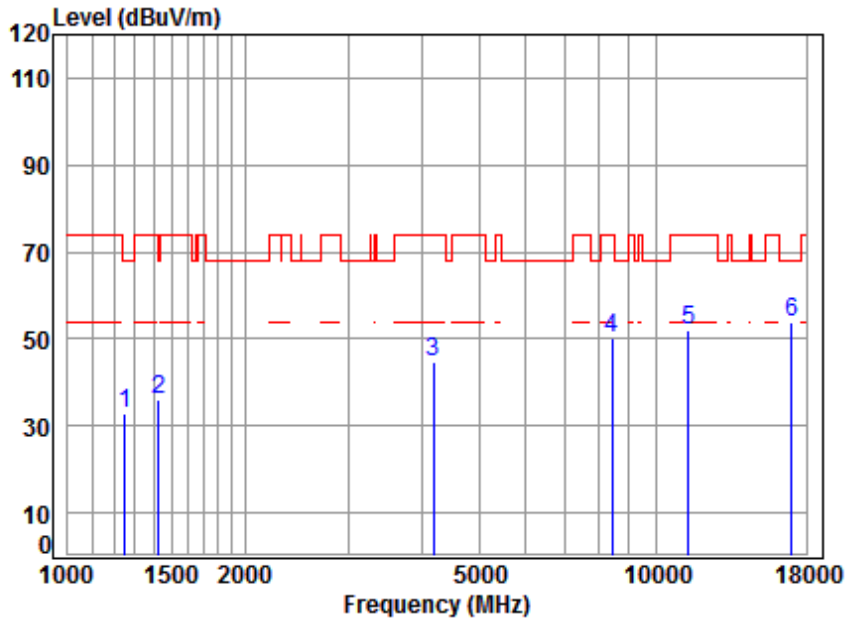
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	4.65	24.85	41.23	46.00	34.27	68.20	-33.93	peak
2	1677.621	5.25	26.58	41.52	46.49	36.80	74.00	-37.20	peak
3	4279.589	7.31	33.22	42.38	48.38	46.53	74.00	-27.47	peak
4	8368.069	10.19	36.92	39.60	44.22	51.73	74.00	-22.27	peak
5	11340.000	11.98	37.87	38.10	39.96	51.71	74.00	-22.29	peak
6	17010.000	16.69	42.61	40.29	34.44	53.45	68.20	-14.75	peak



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

Report No.: HR20188000503  
Page: 219 of 390

Test mode:	802.11ac(HT40)	Frequency(MHz):	5670	Peak	Horizontal
------------	----------------	-----------------	------	------	------------



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5670 TX RSE  
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1249.269	4.61	24.81	41.22	44.52	32.72	68.20	-35.48 peak
2	1426.916	5.24	25.53	41.36	46.64	36.05	74.00	-37.95 peak
3	4181.768	7.20	33.04	42.36	46.73	44.61	74.00	-29.39 peak
4	8416.584	10.22	36.95	39.52	42.41	50.06	74.00	-23.94 peak
5	11340.000	11.98	37.87	38.10	40.12	51.87	74.00	-22.13 peak
6	17010.000	16.69	42.61	40.29	34.96	53.97	68.20	-14.23 peak

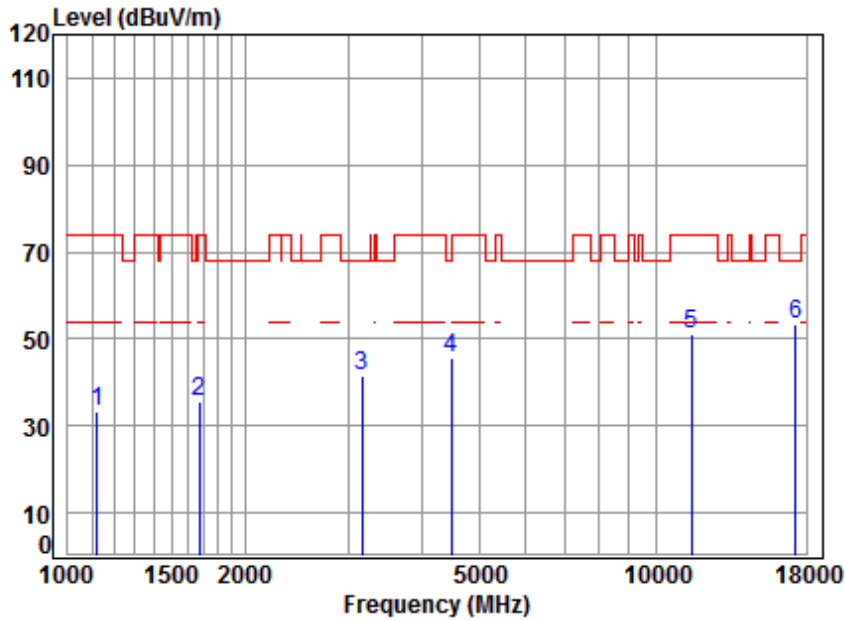


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 220 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	4.10	24.23	41.12	46.30	33.51	74.00	-40.49	peak
2	1672.779	5.26	26.56	41.52	45.33	35.63	74.00	-38.37	peak
3	3168.500	6.15	31.18	42.14	46.29	41.48	68.20	-26.72	peak
4	4482.150	7.54	33.57	42.41	46.92	45.62	68.20	-22.58	peak
5	11510.000	12.14	37.90	38.20	39.40	51.24	74.00	-22.76	peak
6	17265.000	16.12	42.76	40.51	35.11	53.48	68.20	-14.72	peak

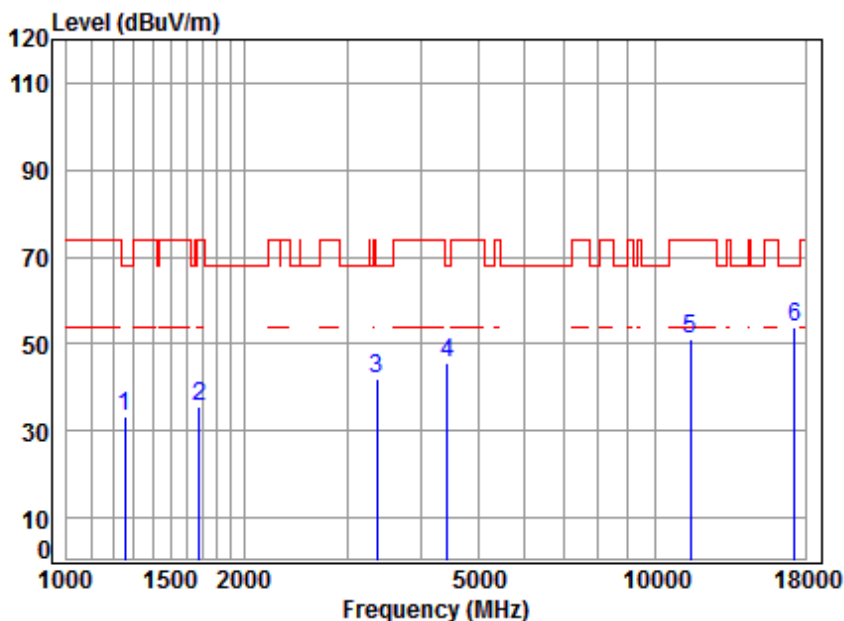
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 221 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	4.64	24.84	41.23	45.02	33.27	68.20	-34.93	peak
2	1682.477	5.25	26.60	41.52	45.31	35.64	74.00	-38.36	peak
3	3366.778	6.34	31.50	42.19	46.50	42.15	68.20	-26.05	peak
4	4430.628	7.48	33.48	42.41	46.89	45.44	68.20	-22.76	peak
5	11510.000	12.14	37.90	38.20	39.14	50.98	74.00	-23.02	peak
6	17265.000	16.12	42.76	40.51	35.62	53.99	68.20	-14.21	peak

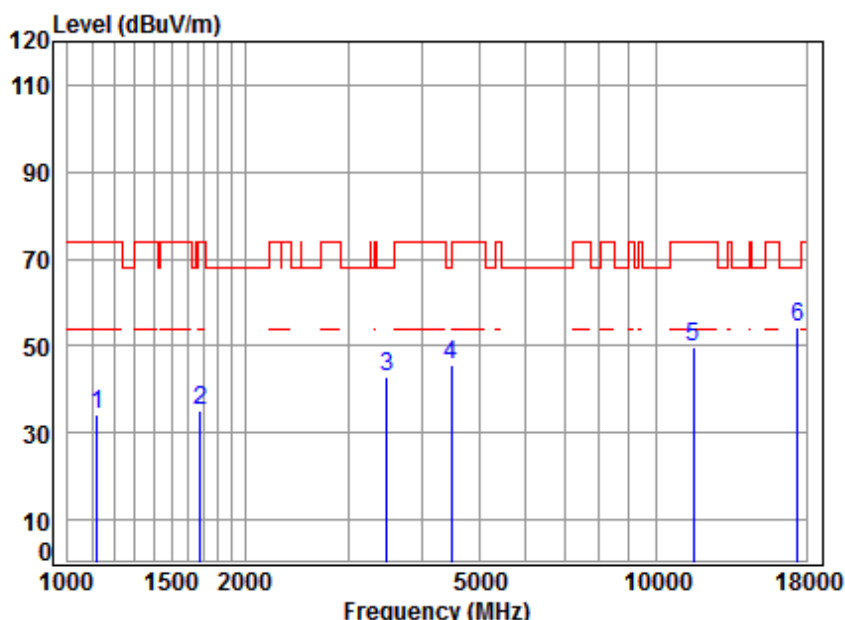
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 222 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	4.10	24.23	41.12	47.09	34.30	74.00	-39.70	peak
2	1682.477	5.25	26.60	41.52	44.85	35.18	74.00	-38.82	peak
3	3485.601	6.45	31.68	42.22	46.77	42.68	68.20	-25.52	peak
4	4482.150	7.54	33.57	42.41	46.88	45.58	68.20	-22.62	peak
5	11590.000	12.17	37.86	38.25	37.94	49.72	74.00	-24.28	peak
6	17385.000	15.85	42.83	40.60	36.01	54.09	68.20	-14.11	peak

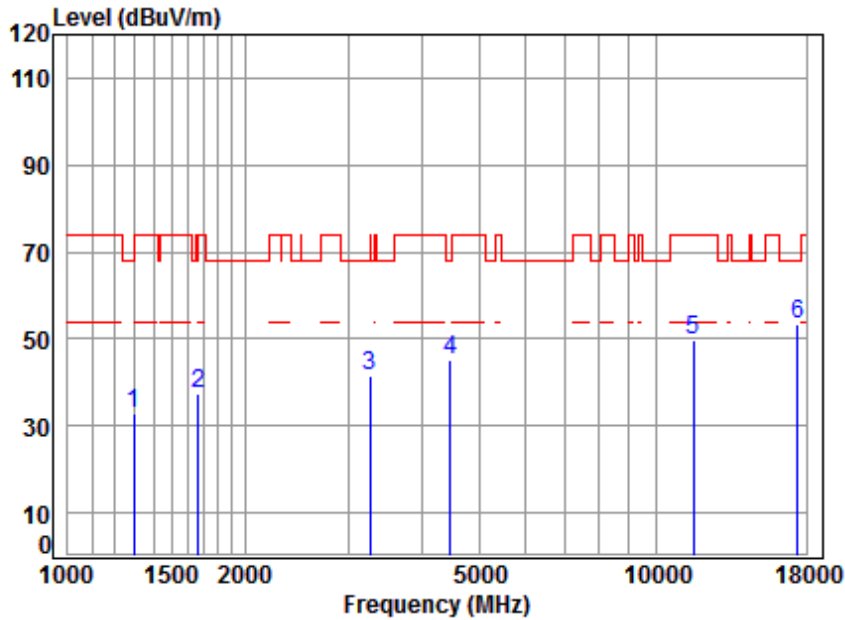


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 223 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1293.359	4.77	25.00	41.26	44.49	33.00	68.20	-35.20 peak
2	1667.951	5.27	26.54	41.51	47.06	37.36	74.00	-36.64 peak
3	3261.418	6.24	31.33	42.17	46.35	41.75	74.00	-32.25 peak
4	4469.214	7.53	33.55	42.41	46.37	45.04	68.20	-23.16 peak
5	11590.000	12.17	37.86	38.25	38.06	49.84	74.00	-24.16 peak
6	17385.000	15.85	42.83	40.60	35.35	53.43	68.20	-14.77 peak

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

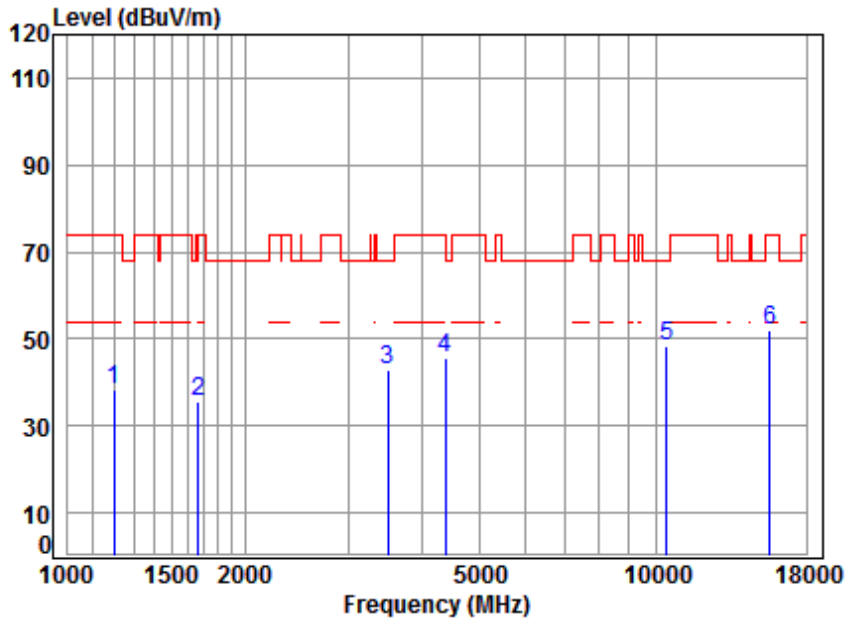


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 224 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5210 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	
1	1199.726	4.42	24.59	41.18	50.62	38.45	74.00	-35.55 peak
2	1667.951	5.27	26.54	41.51	45.15	35.45	74.00	-38.55 peak
3	3495.691	6.46	31.69	42.22	47.04	42.97	68.20	-25.23 peak
4	4392.376	7.44	33.42	42.40	47.28	45.74	74.00	-28.26 peak
5	10420.000	11.24	37.73	37.49	36.69	48.17	68.20	-20.03 peak
6	15630.000	14.44	40.78	39.09	35.71	51.84	74.00	-22.16 peak

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



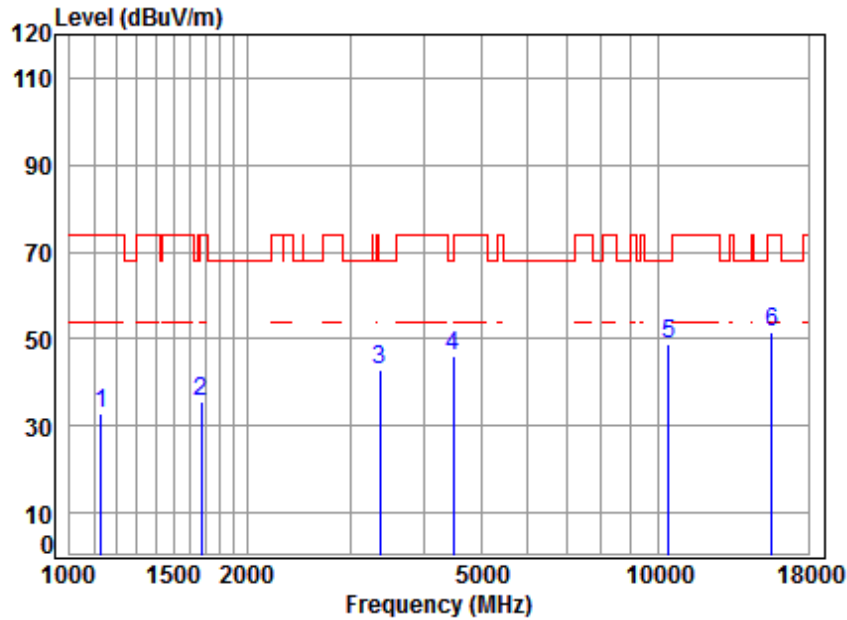


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 225 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5210 TX RSE  
 Note : 5G WIFI 11AC80

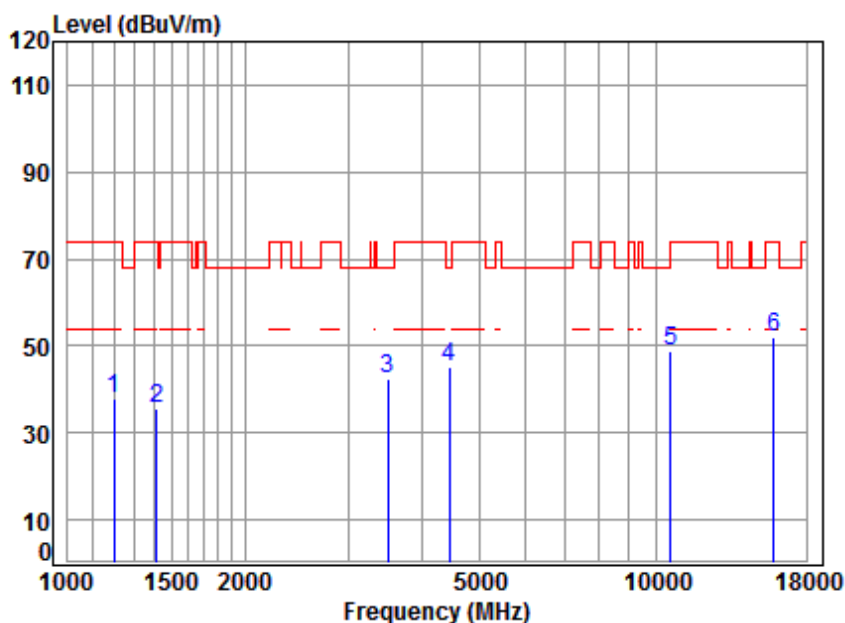
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1129.072	4.13	24.26	41.12	45.63	32.90	74.00	-41.10 peak
2	1672.779	5.26	26.56	41.52	45.25	35.55	74.00	-38.45 peak
3	3366.778	6.34	31.50	42.19	47.23	42.88	68.20	-25.32 peak
4	4495.125	7.55	33.59	42.42	47.17	45.89	68.20	-22.31 peak
5	10420.000	11.24	37.73	37.49	37.18	48.66	68.20	-19.54 peak
6	15630.000	14.44	40.78	39.09	35.45	51.58	74.00	-22.42 peak



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

Report No.: HR20188000503  
Page: 226 of 390

Test mode:	802.11ac(HT80 )	Frequency(MHz):	5290	Peak	Vertical
------------	-----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5290 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	4.42	24.59	41.18	49.84	37.67	74.00	-36.33	peak
2	1418.692	5.21	25.50	41.35	46.17	35.53	74.00	-38.47	peak
3	3495.691	6.46	31.69	42.22	46.54	42.47	68.20	-25.73	peak
4	4456.315	7.51	33.53	42.41	46.45	45.08	68.20	-23.12	peak
5	10580.000	11.35	37.72	37.60	37.36	48.83	68.20	-19.37	peak
6	15870.000	14.80	40.92	39.30	35.54	51.96	74.00	-22.04	peak

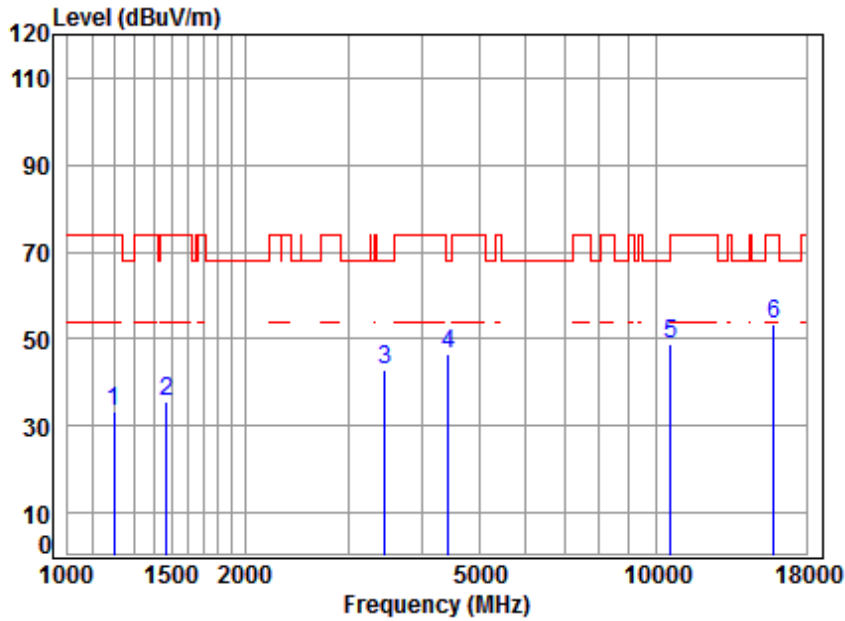
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 227 of 390

Test mode:	802.11ac(HT80)	Frequency(MHz):	5290	Peak	Horizontal
------------	----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5290 TX RSE  
 Note : 5G WIFI 11AC80

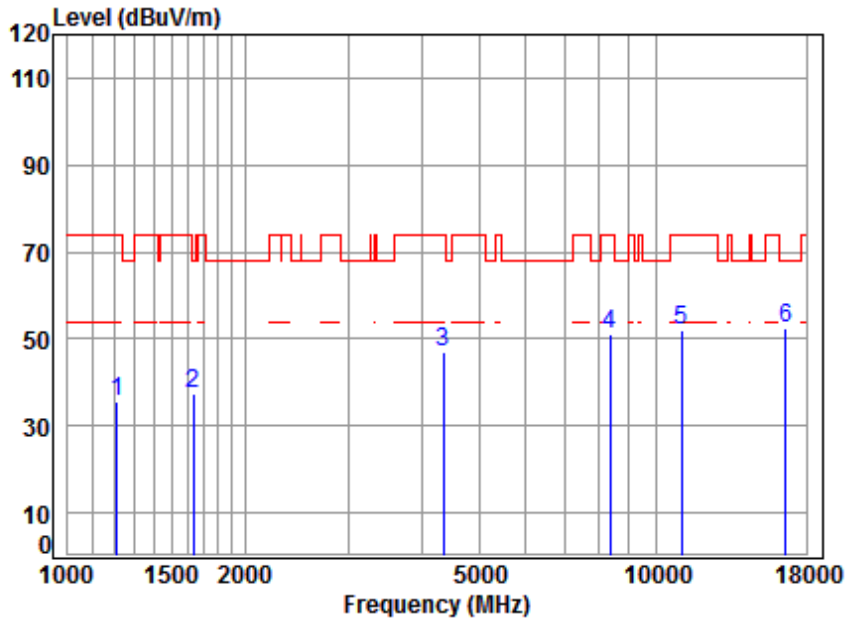
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	4.42	24.59	41.18	45.63	33.46	74.00	-40.54	peak
2	1473.013	5.39	25.70	41.39	45.74	35.44	74.00	-38.56	peak
3	3465.510	6.43	31.65	42.21	46.88	42.75	68.20	-25.45	peak
4	4430.628	7.48	33.48	42.41	47.99	46.54	68.20	-21.66	peak
5	10580.000	11.35	37.72	37.60	37.47	48.94	68.20	-19.26	peak
6	15870.000	14.80	40.92	39.30	37.18	53.60	74.00	-20.40	peak



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

Report No.: HR20188000503  
Page: 228 of 390

Test mode:	802.11ac(HT80)	Frequency(MHz):	5530	Peak	Vertical
------------	----------------	-----------------	------	------	----------



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5530 TX RSE  
Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1210.174	4.46	24.64	41.19	47.50	35.41	74.00	-38.59 peak
2	1634.543	5.31	26.40	41.49	47.15	37.37	68.20	-30.83 peak
3	4354.454	7.40	33.35	42.39	48.46	46.82	74.00	-27.18 peak
4	8343.918	10.17	36.91	39.63	43.64	51.09	74.00	-22.91 peak
5	11060.000	11.69	37.81	37.92	40.33	51.91	74.00	-22.09 peak
6	16590.000	14.90	42.27	39.94	35.05	52.28	68.20	-15.92 peak

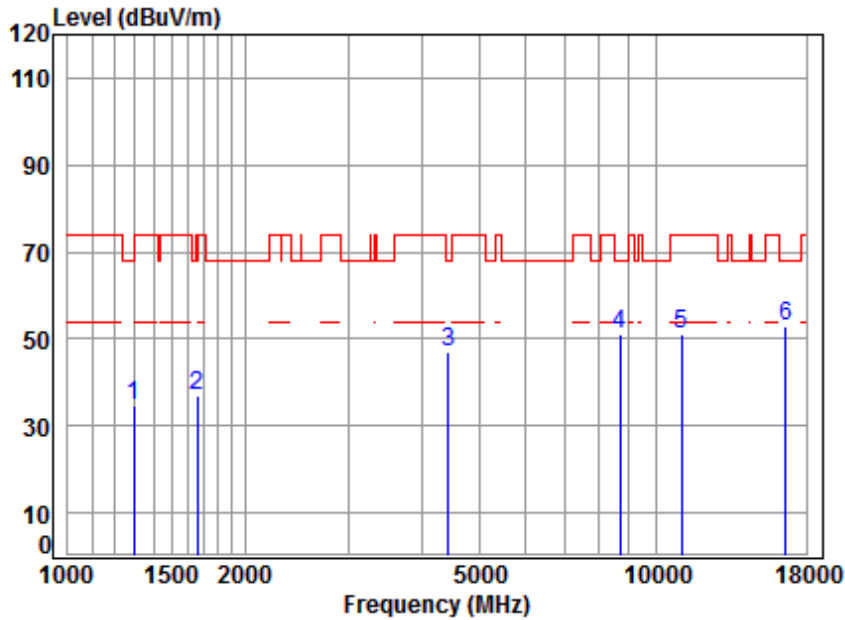


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 229 of 390

Test mode:	802.11ac(HT80)	Frequency(MHz):	5530	Peak	Horizontal
------------	----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5530 TX RSE  
 Note : 5G WIFI 11AC80

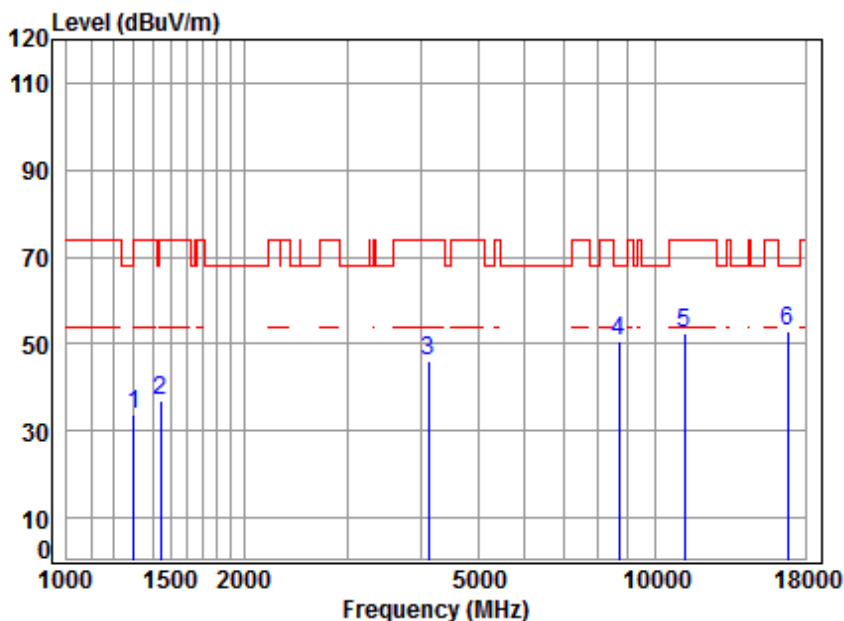
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4.79	25.01	41.26	45.92	34.46	68.20	-33.74	peak
2	5.28	26.50	41.51	46.50	36.77	68.20	-31.43	peak
3	7.48	33.48	42.41	48.49	47.04	68.20	-21.16	peak
4	10.32	37.08	39.09	42.84	51.15	68.20	-17.05	peak
5	11.69	37.81	37.92	39.46	51.04	74.00	-22.96	peak
6	14.90	42.27	39.94	35.72	52.95	68.20	-15.25	peak



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

Report No.: HR20188000503  
Page: 230 of 390

Test mode:	802.11ac(HT80 )	Frequency(MHz):	5610	Peak	Vertical
------------	-----------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5610 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	
1	1300.858	4.80	25.03	41.26	45.41	33.98	74.00	-40.02 peak
2	1443.509	5.30	25.59	41.37	47.38	36.90	74.00	-37.10 peak
3	4121.768	7.13	32.93	42.35	48.25	45.96	74.00	-28.04 peak
4	8688.480	10.32	37.08	39.09	42.40	50.71	68.20	-17.49 peak
5	11220.000	11.86	37.84	38.02	40.75	52.43	74.00	-21.57 peak
6	16830.000	15.97	42.47	40.14	34.43	52.73	68.20	-15.47 peak

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

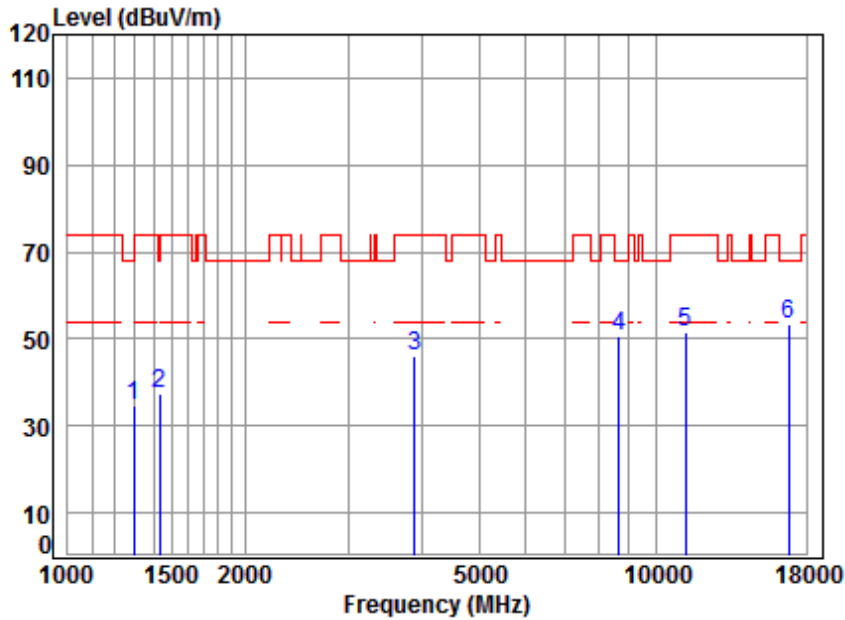


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 231 of 390

Test mode:	802.11ac(HT80 )	Frequency(MHz):	5610	Peak	Horizontal
------------	-----------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5610 TX RSE  
 Note : 5G WIFI 11AC80

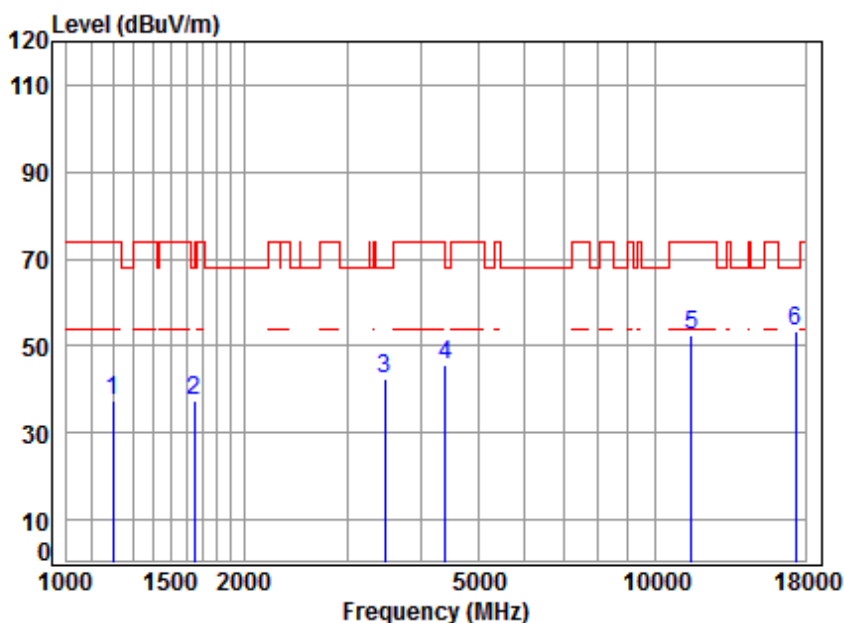
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	25.01	41.26	46.13	34.67	68.20	-33.53	peak
2	1431.047	5.26	25.54	41.36	47.77	37.21	68.20	-30.99	peak
3	3890.255	6.87	32.49	42.30	48.85	45.91	74.00	-28.09	peak
4	8638.399	10.31	37.06	39.17	42.62	50.82	68.20	-17.38	peak
5	11220.000	11.86	37.84	38.02	39.85	51.53	74.00	-22.47	peak
6	16830.000	15.97	42.47	40.14	35.24	53.54	68.20	-14.66	peak



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

Report No.: HR20188000503  
Page: 232 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5775 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	49.58	37.41	74.00	-36.59 peak
2	1648.778	5.29	26.46	41.50	47.16	37.41	68.20	-30.79 peak
3	3475.541	6.44	31.66	42.22	46.48	42.36	68.20	-25.84 peak
4	4405.090	7.46	33.44	42.40	47.19	45.69	68.20	-22.51 peak
5	11550.000	12.16	37.88	38.23	40.44	52.25	74.00	-21.75 peak
6	17325.000	15.98	42.80	40.55	35.18	53.41	68.20	-14.79 peak



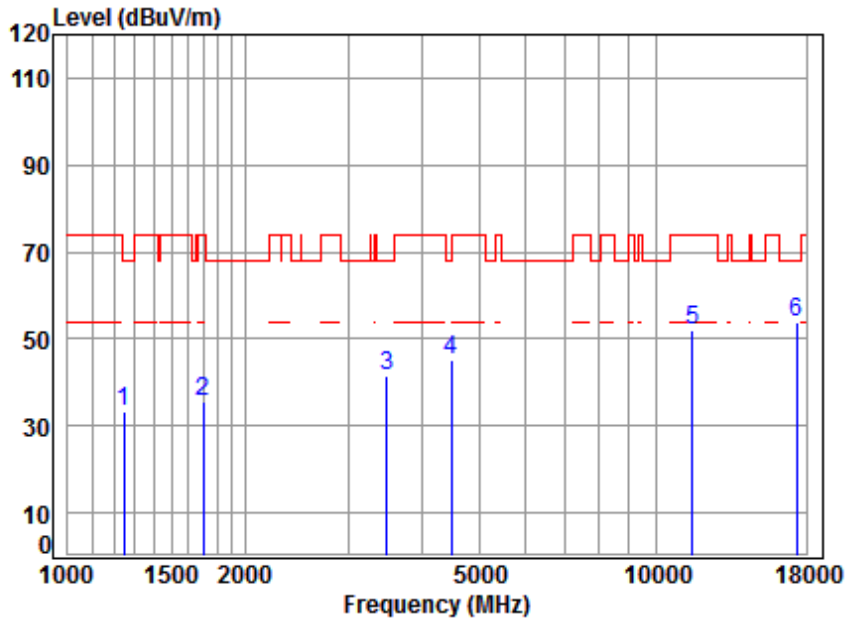


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 233 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5775 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.663	4.60	24.79	41.22	44.97	33.14	68.20	-35.06	peak
2	1702.042	5.23	26.68	41.53	45.34	35.72	74.00	-38.28	peak
3	3485.601	6.45	31.68	42.22	45.71	41.62	68.20	-26.58	peak
4	4482.150	7.54	33.57	42.41	46.36	45.06	68.20	-23.14	peak
5	11550.000	12.16	37.88	38.23	40.03	51.84	74.00	-22.16	peak
6	17325.000	15.98	42.80	40.55	35.81	54.04	68.20	-14.16	peak



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

Report No.: HR20188000503

Page: 234 of 390

### Remark:

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

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

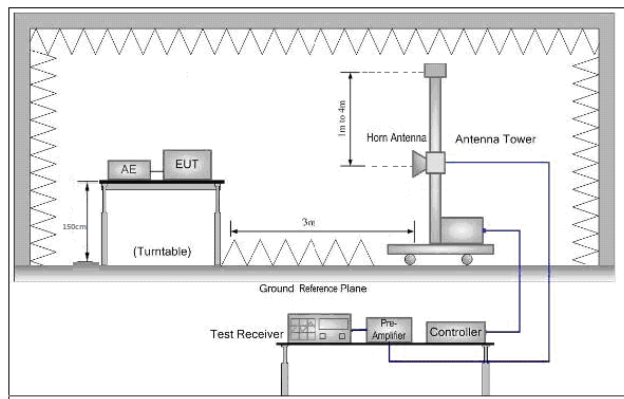
2) Scan from 9kHz to 25GHz, The disturbance between 9KHz to 30MHz and 18GHz to 25GHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported .

3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

4) All modes have been tested, but only the worst case data displayed in this report.

### 4.8 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15 Section 15.407(b)		
Test Method:	ANSI C63.10: 2013		
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)		
Limit:	Frequency	Limit (dBuV/m @3m)	Remark
	30MHz-88MHz	40.0	Quasi-peak Value
	88MHz-216MHz	43.5	Quasi-peak Value
	216MHz-960MHz	46.0	Quasi-peak Value
	960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz		54.0	Average Value
		74.0	Peak Value
Test Setup:			





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

Report No.: HR20188000503

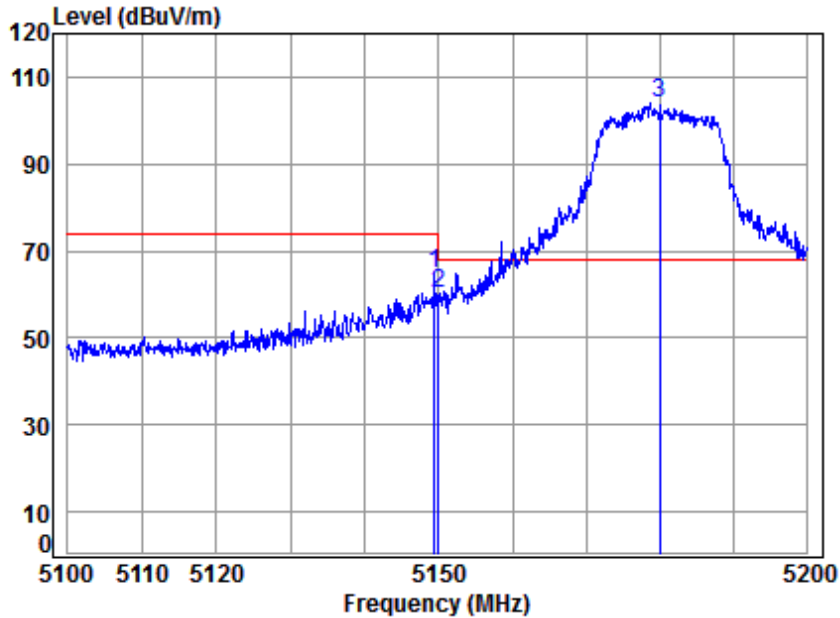
Page: 236 of 390

Test Procedure:	<ul style="list-style-type: none"> <li>a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li> <li>g. Test the EUT in the outermost channels.</li> <li>h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.</li> <li>i. Repeat above procedures until all frequencies measured was complete.</li> </ul>
Exploratory Test Mode:	Transmitting with all kind of modulations, data rates.
Final Test Mode:	Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); MCSAC0 of rate is the worst case of 802.11ac(HT20); MCSAC0 of rate is the worst case of 802.11ac(HT40); MCSAC0 of rate is the worst case of 802.11ac(HT80) Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass



4.8.1 Test plots

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



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5180 Band edge  
Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.357	8.32	34.32	38.40	60.53	64.77	74.00	-9.23	peak
2	5149.980	8.33	34.32	38.40	56.09	60.34	74.00	-13.66	peak
3 *	5180.000	8.37	34.35	38.38	99.52	103.86	68.20	35.66	peak

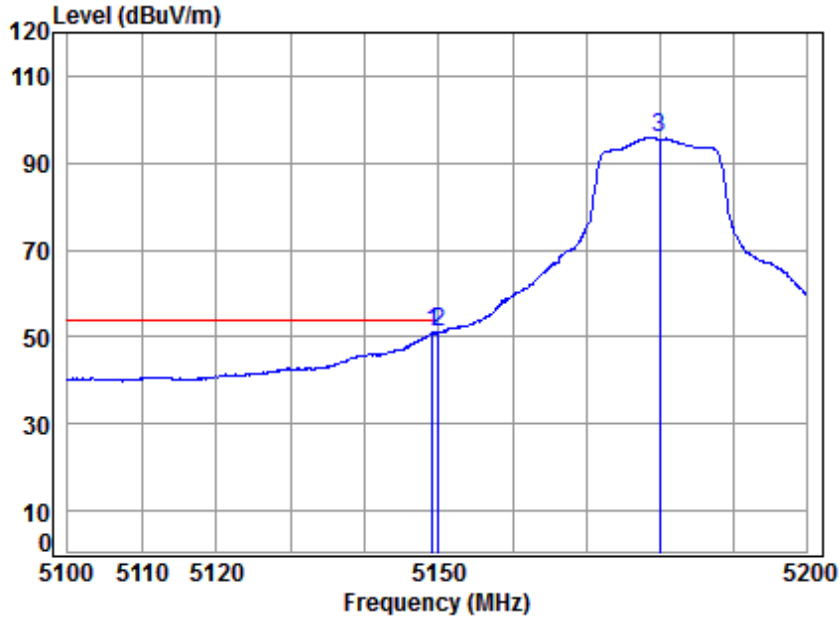


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 238 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5180 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.157	8.32	34.32	38.40	46.64	50.88	54.00	-3.12	Average
2	5149.980	8.33	34.32	38.40	46.92	51.17	54.00	-2.83	Average
3	5180.000	8.37	34.35	38.38	91.69	96.03	-----	-----	Average

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

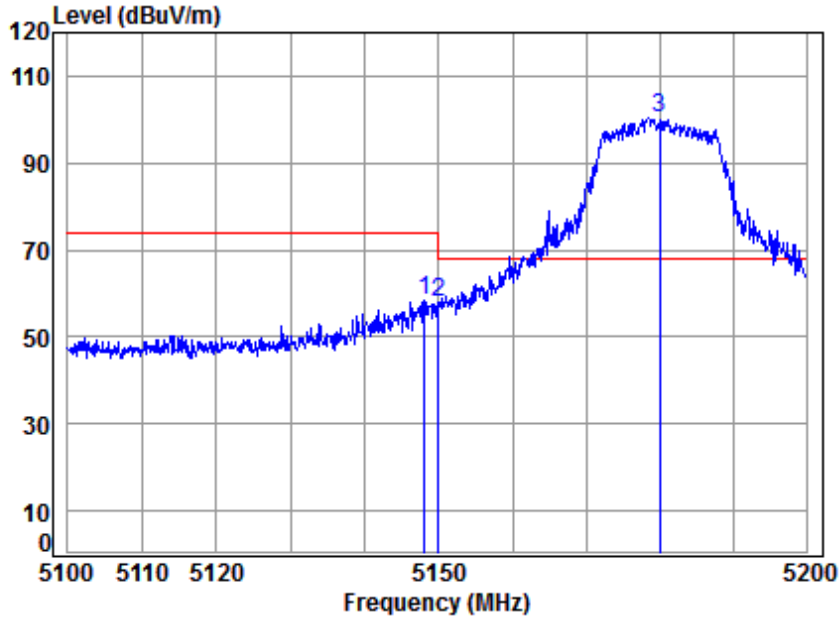


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 239 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5180 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5148.058	8.32	34.32	38.40	54.17	58.41	74.00	-15.59 peak
2	5149.980	8.33	34.32	38.40	53.72	57.97	74.00	-16.03 peak
3 *	5180.000	8.37	34.35	38.38	95.94	100.28	68.20	32.08 peak

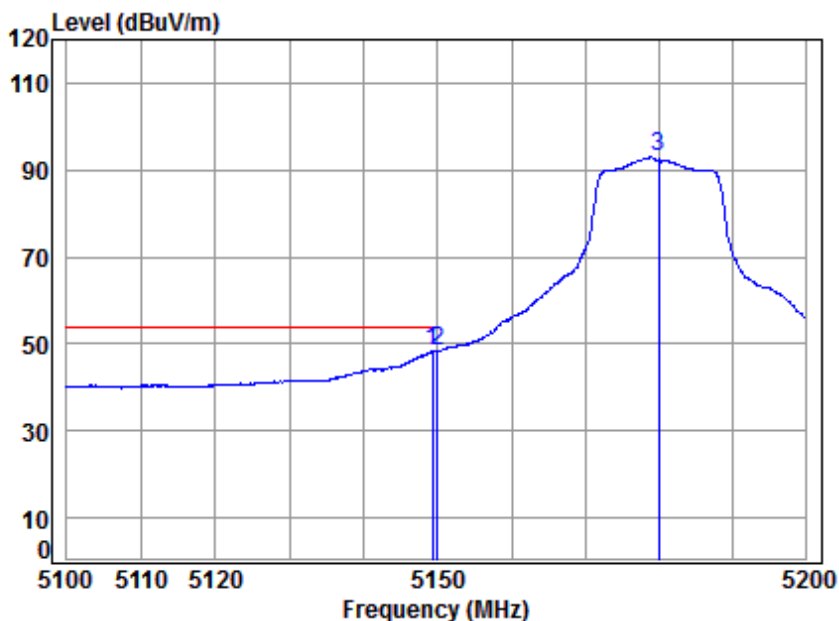
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 240 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5180 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.257	8.32	34.32	38.40	43.98	48.22	54.00	-5.78	Average
2	5149.980	8.33	34.32	38.40	44.25	48.50	54.00	-5.50	Average
3	5180.000	8.37	34.35	38.38	88.57	92.91	-----	-----	Average

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



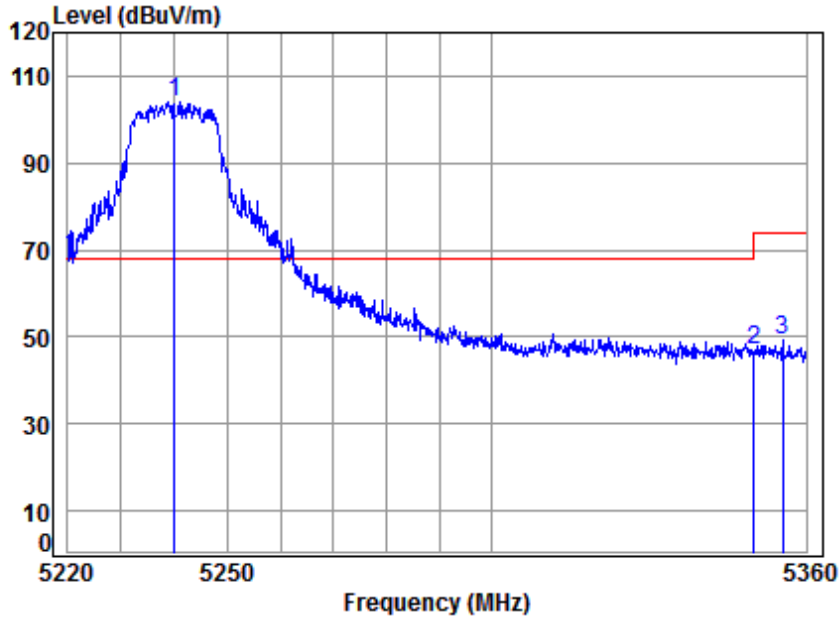


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 241 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5240 Band edge  
 Note : 5G WiFi 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 *	8.46	34.40	38.34	99.62	104.14	68.20	35.94
2	8.63	34.48	38.27	42.04	46.88	74.00	-27.12
3	8.64	34.49	38.26	44.23	49.10	74.00	-24.90

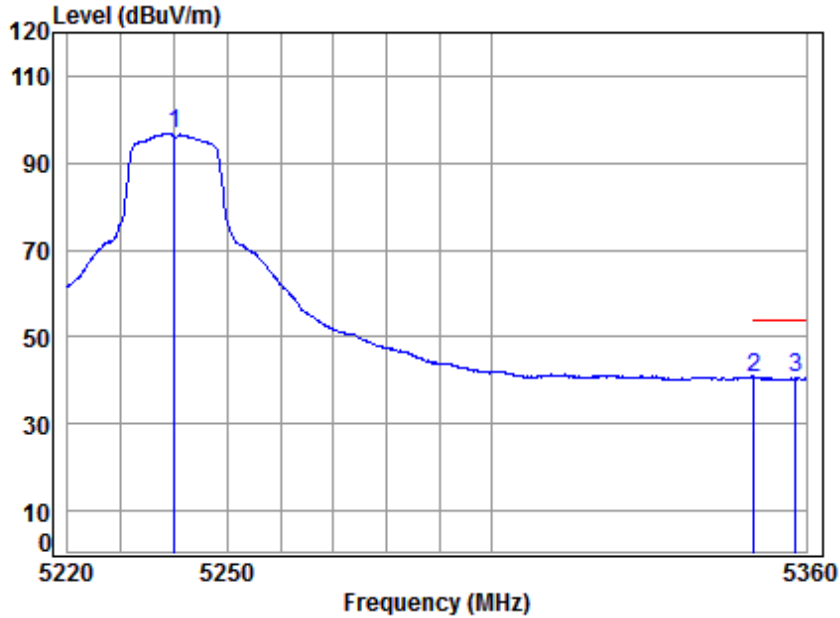


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 242 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5240 Band edge  
 Note : 5G WiFi 11A

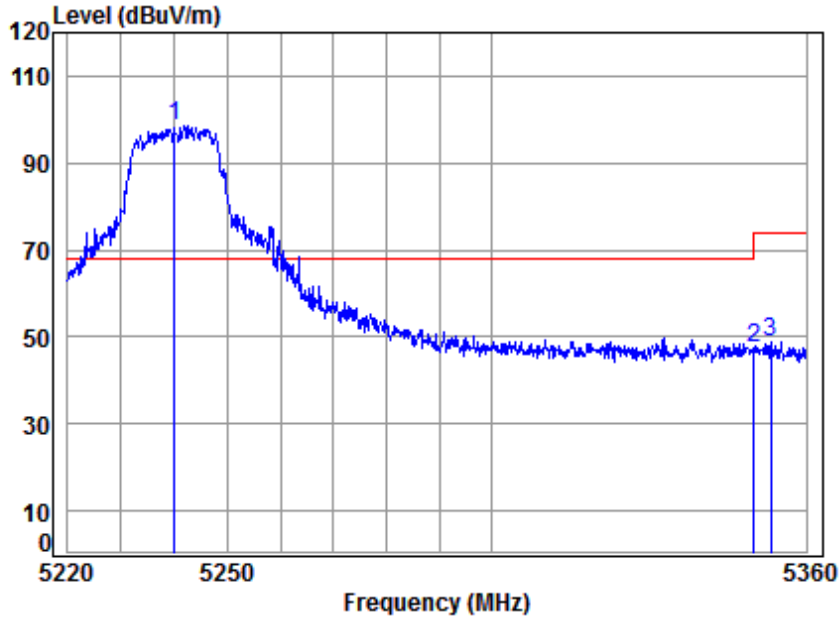
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.40	38.34	92.25	96.77	-----	-----	Average
2	5350.020	8.63	34.48	38.27	35.83	40.67	54.00	-13.33	Average
3	5358.014	8.64	34.49	38.26	35.83	40.70	54.00	-13.30	Average



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

Report No.: HR20188000503  
Page: 243 of 390

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



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5240 Band edge  
Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1 *	5240.000	8.46	34.40	38.34	93.85	68.20	30.17	peak
2	5350.020	8.63	34.48	38.27	42.51	74.00	-26.65	peak
3	5353.195	8.63	34.49	38.26	44.14	74.00	-25.00	peak

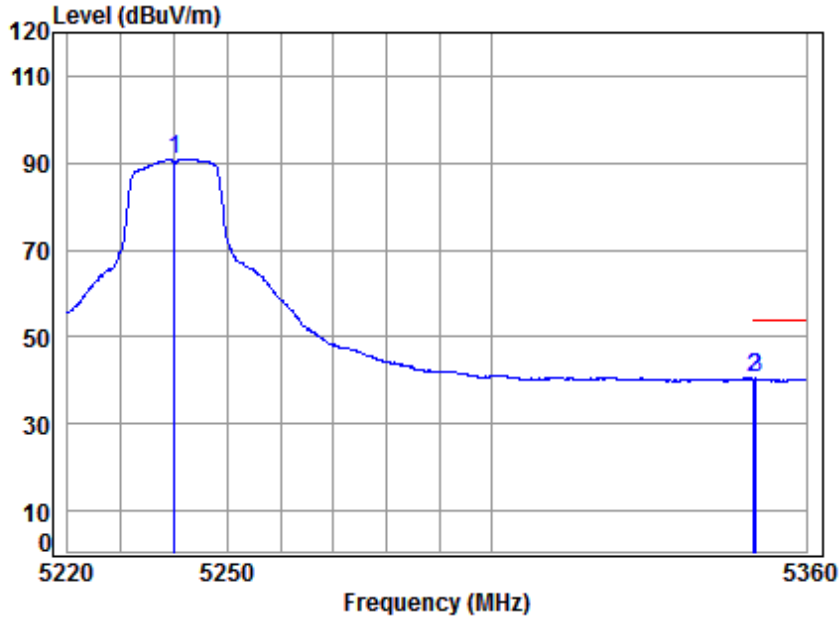


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 244 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5240 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.40	38.34	86.33	90.85	-----	-----	Average
2	5350.020	8.63	34.48	38.27	35.60	40.44	54.00	-13.56	Average
3	5350.362	8.63	34.48	38.26	35.55	40.40	54.00	-13.60	Average

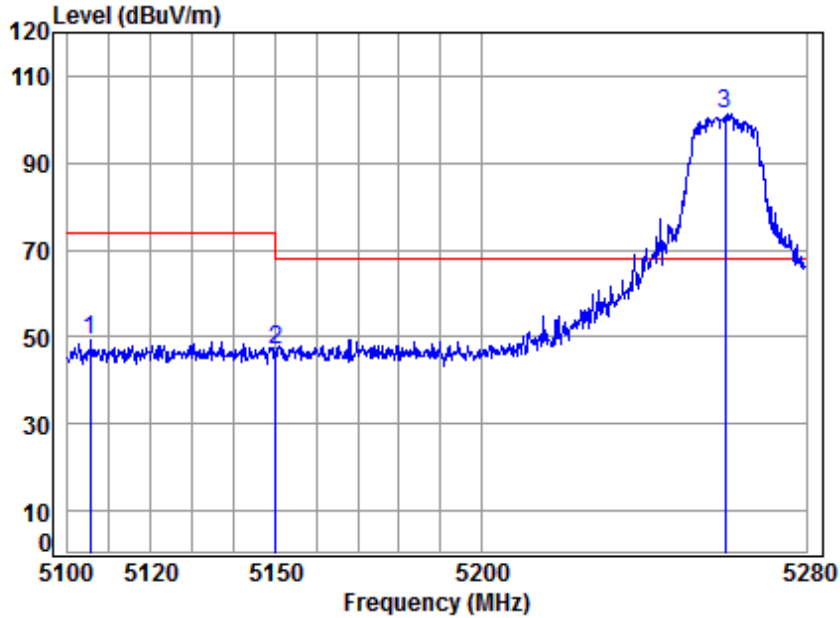
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 245 of 390

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



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5260 Band edge  
Note : 5G WiFi 11A

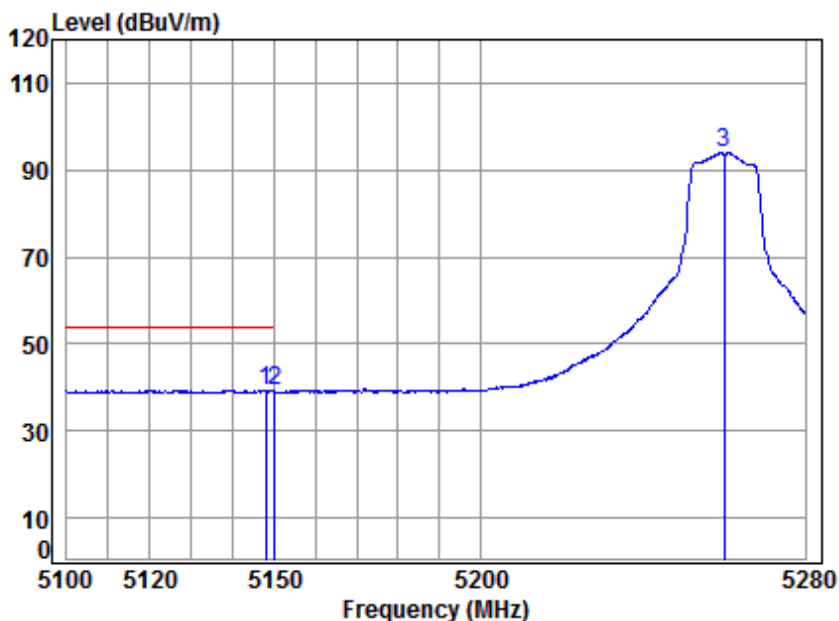
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5105.487	8.26	34.29	43.69	50.31	49.17	74.00	-24.83	peak
2	5149.980	8.33	34.32	43.64	48.13	47.14	74.00	-26.86	peak
3 *	5260.000	8.49	34.41	43.53	102.06	101.43	68.20	33.23	peak



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

Report No.: HR20188000503  
Page: 246 of 390

Test mode:	802.11a	Frequency(MHz):	5260	Average	Vertical
------------	---------	-----------------	------	---------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5260 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5147.808	8.32	34.32	43.65	40.30	39.29	54.00	-14.71 Average
2	5149.980	8.33	34.32	43.64	40.13	39.14	54.00	-14.86 Average
3	5260.000	8.49	34.41	43.53	94.57	93.94	-----	----- Average

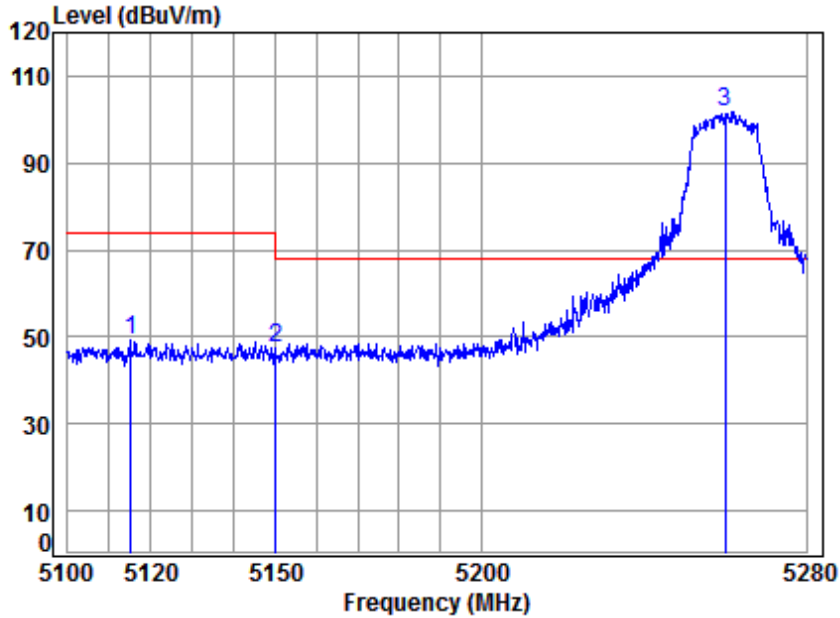
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 247 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5260 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5115.059	8.27	34.30	43.68	50.16	49.05	74.00	-24.95	peak
2	5149.980	8.33	34.32	43.64	48.22	47.23	74.00	-26.77	peak
3 *	5260.000	8.49	34.41	43.53	102.29	101.66	68.20	33.46	peak

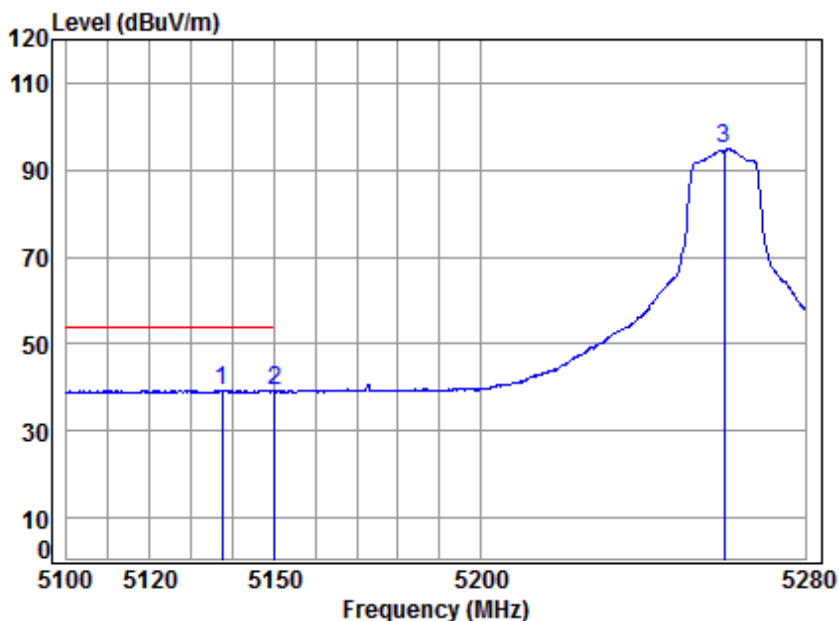
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 248 of 390

Test mode:	802.11a	Frequency(MHz):	5260	Average	Horizontal
------------	---------	-----------------	------	---------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5260 Band edge  
 Note : 5G WiFi 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	8.31	34.31	43.66	40.42	39.38	54.00	-14.62	Average
2	8.33	34.32	43.64	40.31	39.32	54.00	-14.68	Average
3	8.49	34.41	43.53	95.48	94.85	-----	-----	Average

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

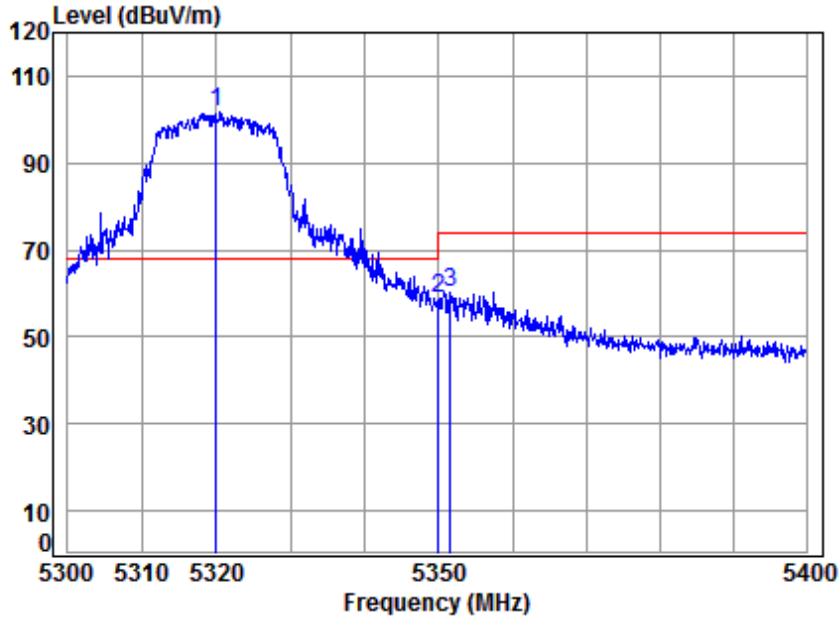




**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503  
Page: 249 of 390

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



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5320 Band edge  
Note : 5G WiFi 11A

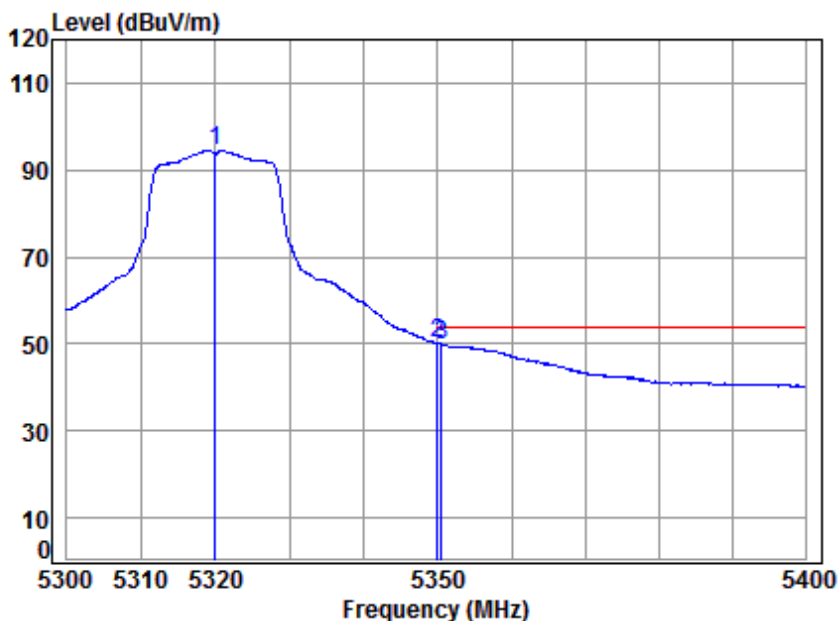
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5320.000	8.58	34.46	43.47	101.95	101.52	68.20	33.32	peak
2 5350.020	8.63	34.48	43.44	59.21	58.88	74.00	-15.12	peak
3 5351.566	8.63	34.49	43.44	60.69	60.37	74.00	-13.63	peak



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

Report No.: HR20188000503  
Page: 250 of 390

Test mode:	802.11a	Frequency(MHz):	5320	Average	Vertical
------------	---------	-----------------	------	---------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5320 Band edge  
 Note : 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	5320.000	8.58	34.46	43.47	94.93	94.50	-----	-----	Average
2	5350.020	8.63	34.48	43.44	50.63	50.30	54.00	-3.70	Average
3	5350.566	8.63	34.48	43.44	50.21	49.88	54.00	-4.12	Average

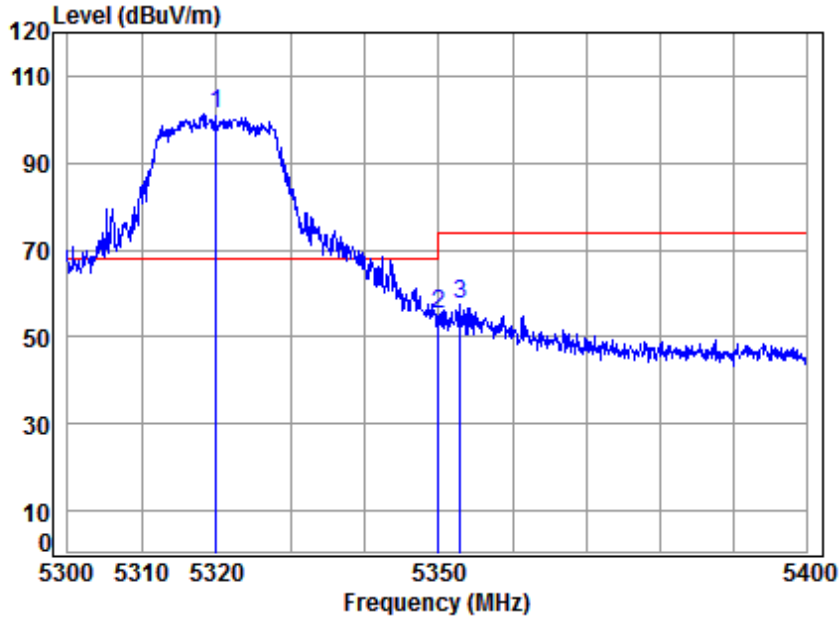


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 251 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5320 Band edge  
 Note : 5G WiFi 11A

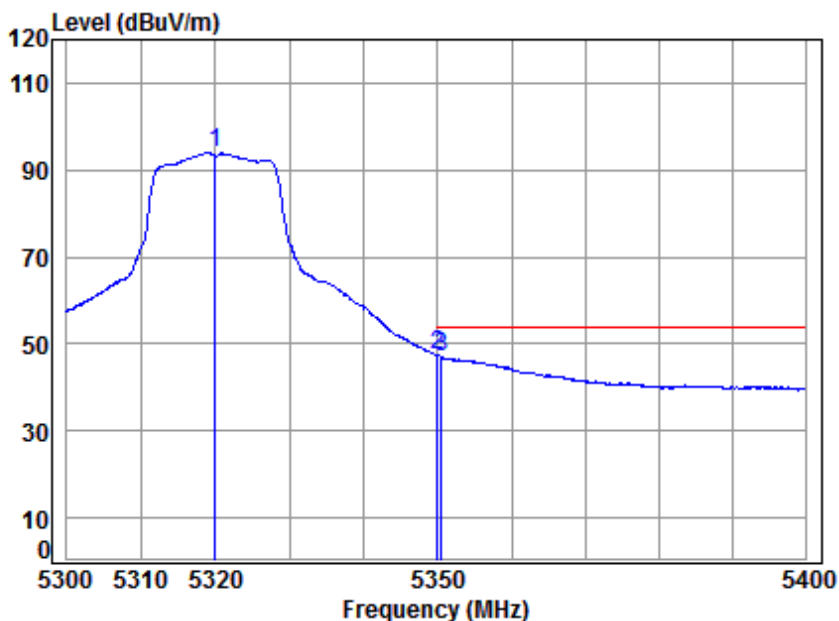
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	8.58	34.46	43.47	101.72	101.29	68.20	33.09	peak
2	8.63	34.48	43.44	55.33	55.00	74.00	-19.00	peak
3	8.63	34.49	43.44	57.65	57.33	74.00	-16.67	peak



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

Report No.: HR20188000503  
Page: 252 of 390

Test mode:	802.11a	Frequency(MHz):	5320	Average	Horizontal
------------	---------	-----------------	------	---------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5320 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	8.58	34.46	43.47	94.35	93.92	-----	-----	Average
2	5350.020	8.63	34.48	43.44	47.92	47.59	54.00	-6.41	Average
3	5350.566	8.63	34.48	43.44	47.49	47.16	54.00	-6.84	Average

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

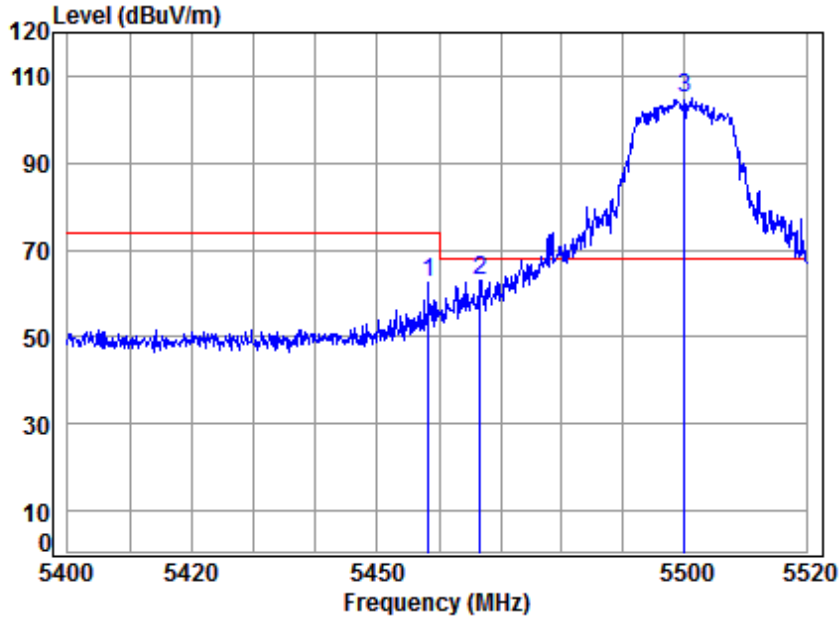


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 253 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5500 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.230	8.79	34.57	43.33	62.40	62.43	74.00	-11.57	peak
2	5466.755	8.80	34.57	43.33	62.83	62.87	68.20	-5.33	peak
3 *	5500.000	8.85	34.60	43.29	104.64	104.80	68.20	36.60	peak

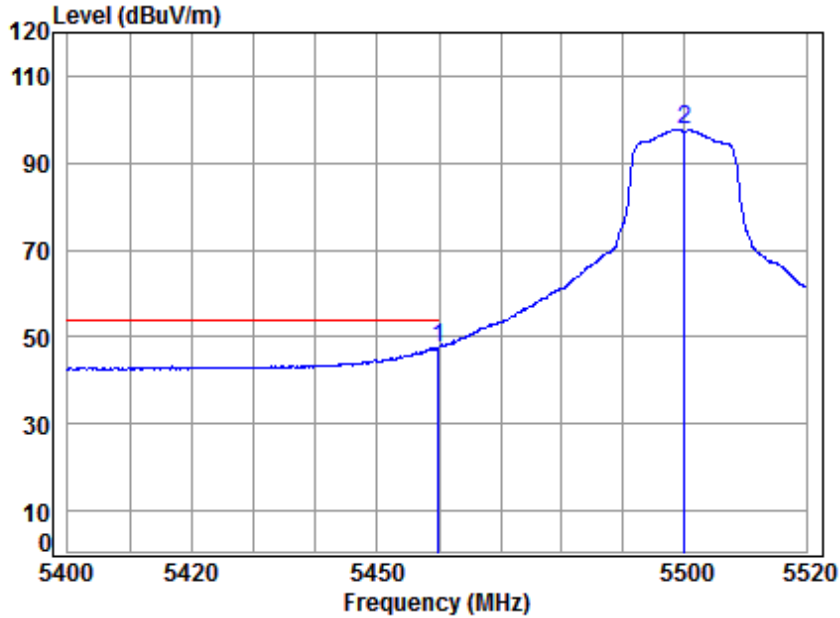


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 254 of 390

Test mode:	802.11a	Frequency(MHz):	5500	Average	Vertical
------------	---------	-----------------	------	---------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5500 Band edge  
 Note : 5G WiFi 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.910	8.79	34.57	43.33	47.44	47.47	54.00	-6.53 Average
2	5500.000	8.85	34.60	43.29	97.70	97.86	-----	----- Average

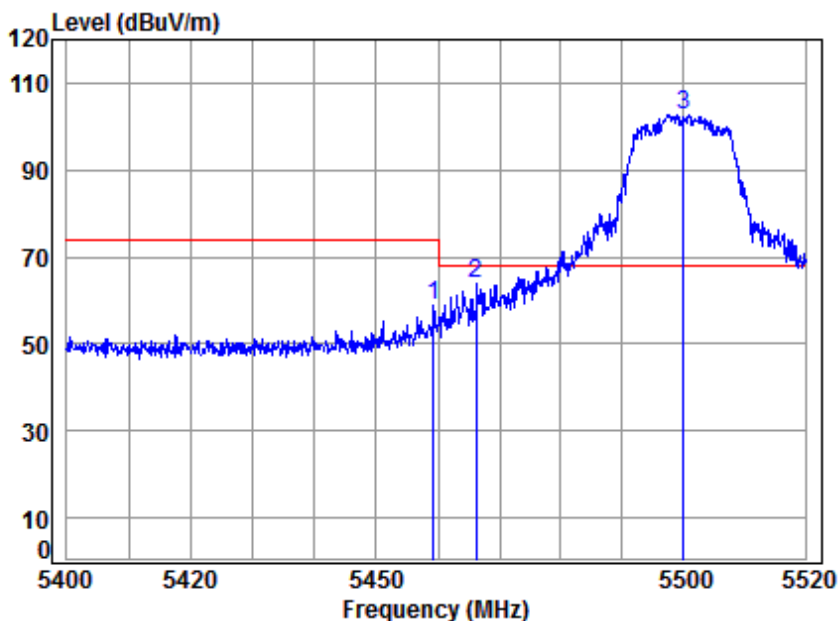
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 255 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5500 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.311	8.79	34.57	43.33	58.82	58.85	74.00	-15.15	peak
2	5466.274	8.80	34.57	43.33	63.95	63.99	68.20	-4.21	peak
3 *	5500.000	8.85	34.60	43.29	102.67	102.83	68.20	34.63	peak

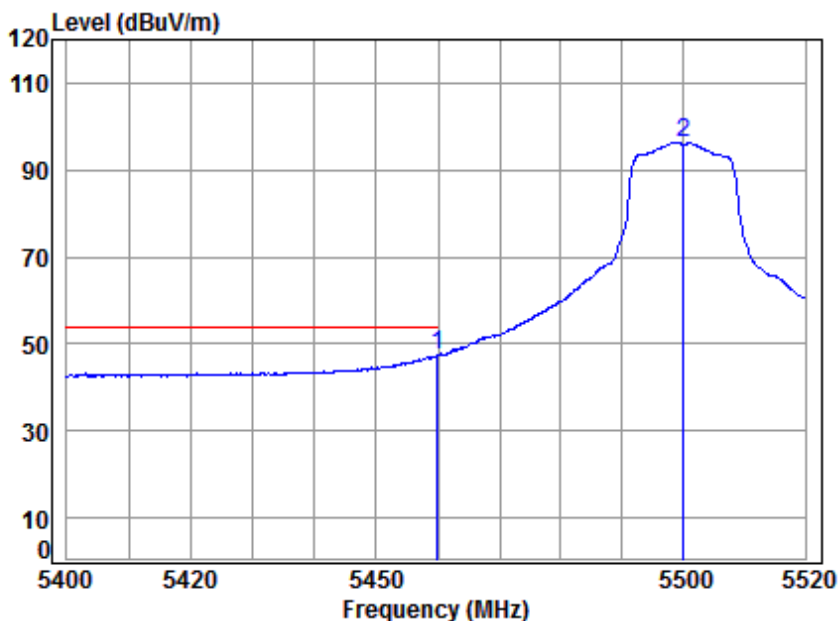
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 256 of 390

Test mode:	802.11a	Frequency(MHz):	5500	Average	Horizontal
------------	---------	-----------------	------	---------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5500 Band edge  
 Note : 5G WiFi 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.910	8.79	34.57	43.33	47.39	47.42	54.00	-6.58 Average
2	5500.000	8.85	34.60	43.29	96.32	96.48	-----	----- Average

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



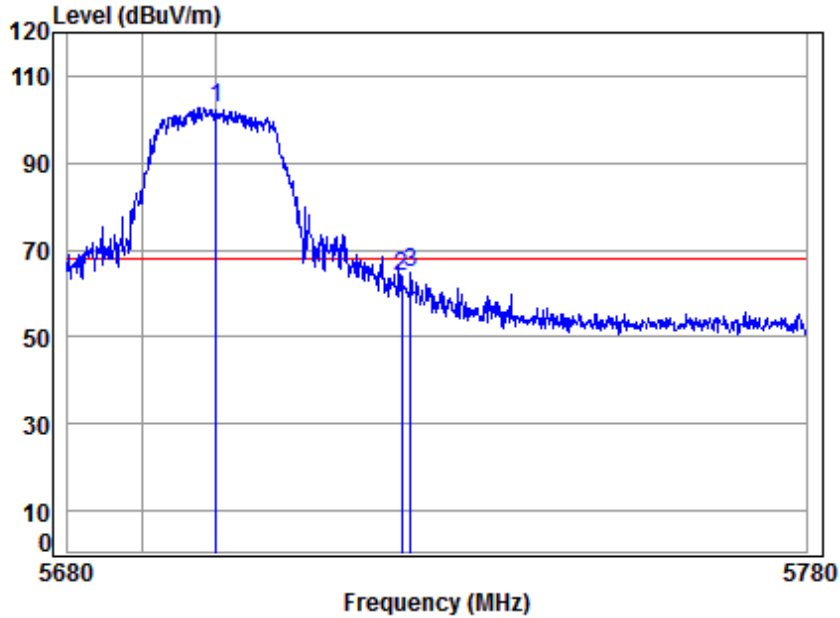


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 257 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5700 Band edge  
 Note : 5G WiFi 11A

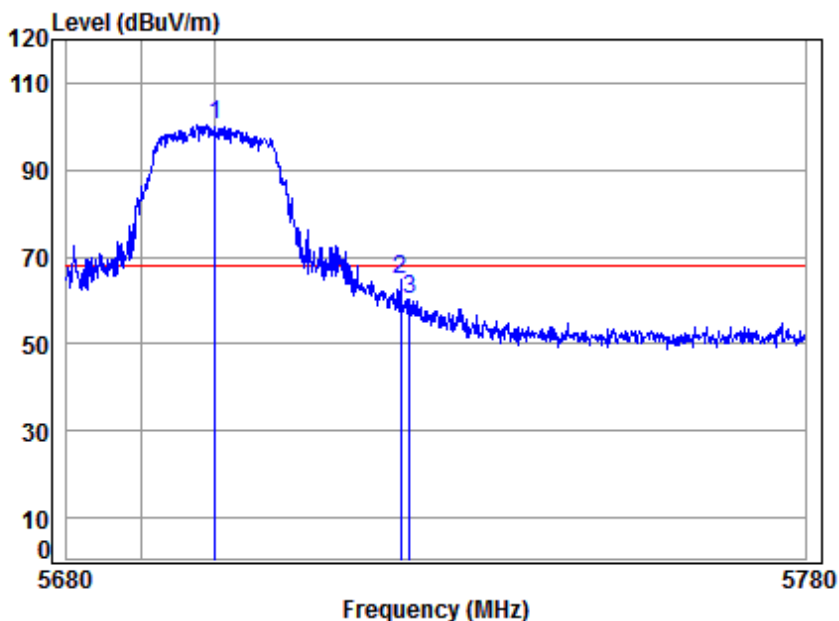
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	9.56	34.81	43.10	101.54	102.81	68.20	34.61	peak
2	9.64	34.83	43.08	62.36	63.75	68.20	-4.45	peak
3	9.65	34.83	43.08	63.29	64.69	68.20	-3.51	peak



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

Report No.: HR20188000503  
Page: 258 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5700 Band edge  
 Note : 5G WiFi 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	9.56	34.81	43.10	99.19	100.46	68.20	32.26	peak
2	9.64	34.83	43.08	63.33	64.72	68.20	-3.48	peak
3	9.65	34.83	43.08	58.98	60.38	68.20	-7.82	peak

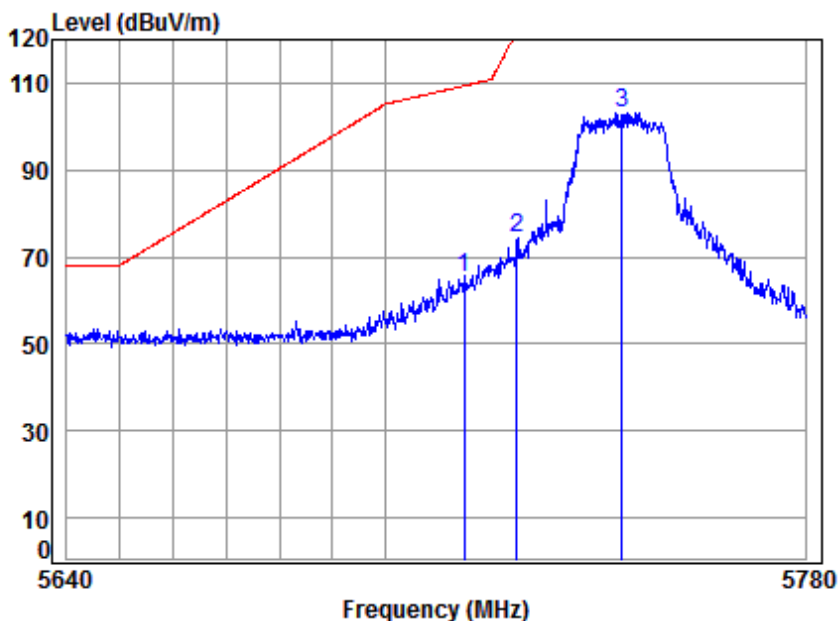
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 259 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5745 Band edge  
 Note : 5G WiFi 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	9.61	34.82	43.09	64.13	65.47	109.40	-43.93
2	9.64	34.83	43.08	73.00	74.39	122.20	-47.81
3	9.71	34.85	43.06	101.70	103.20	125.20	-22.00

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

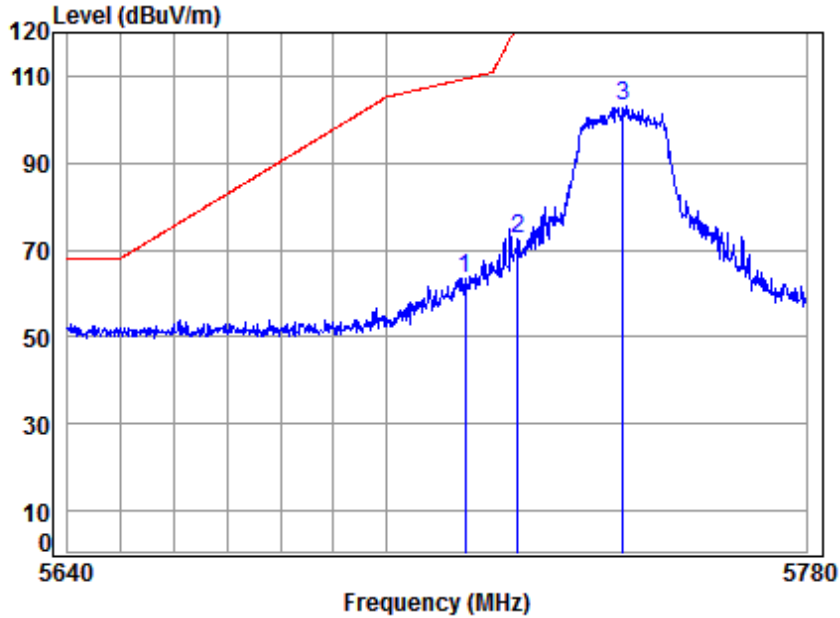


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 260 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5745 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	43.09	62.10	63.44	109.40	-45.96 peak
2	5725.000	9.64	34.83	43.08	71.01	72.40	122.20	-49.80 peak
3	5745.000	9.71	34.85	43.06	101.70	103.20	125.20	-22.00 peak

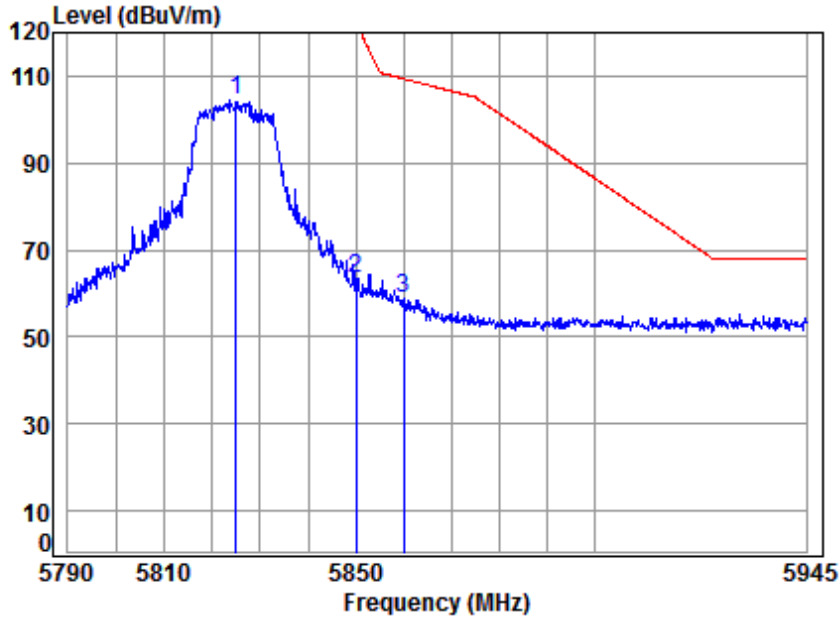


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 261 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5825 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5825.000	9.98	34.93	42.99	102.65	104.57	125.20	-20.63 peak
2	5850.000	10.07	34.95	42.96	61.30	63.36	122.20	-58.84 peak
3	5860.000	10.10	34.96	42.96	56.70	58.80	109.40	-50.60 peak

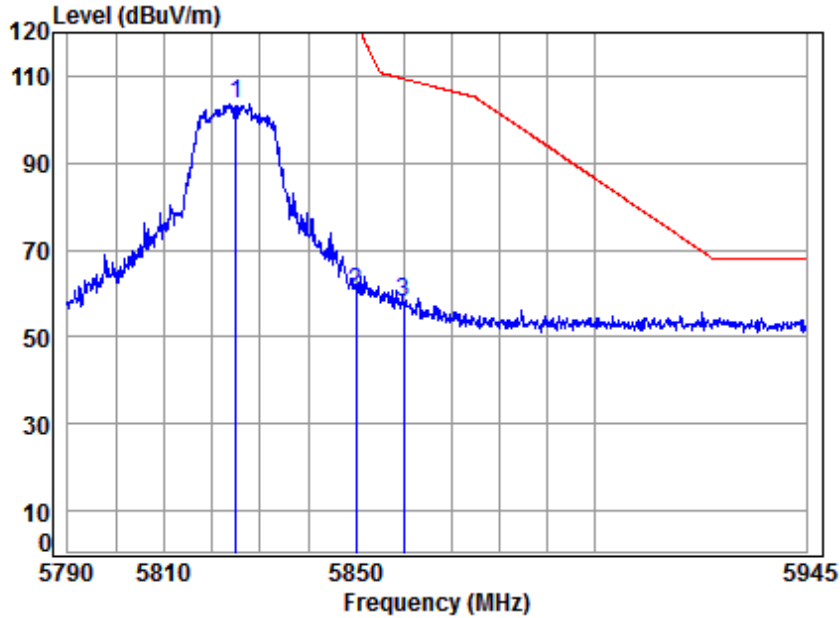


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 262 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5825 Band edge  
 Note : 5G WiFi 11A

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5825.000	9.98	34.93	42.99	101.56	103.48	125.20	-21.72 peak
2	5850.000	10.07	34.95	42.96	58.11	60.17	122.20	-62.03 peak
3	5860.000	10.10	34.96	42.96	55.99	58.09	109.40	-51.31 peak

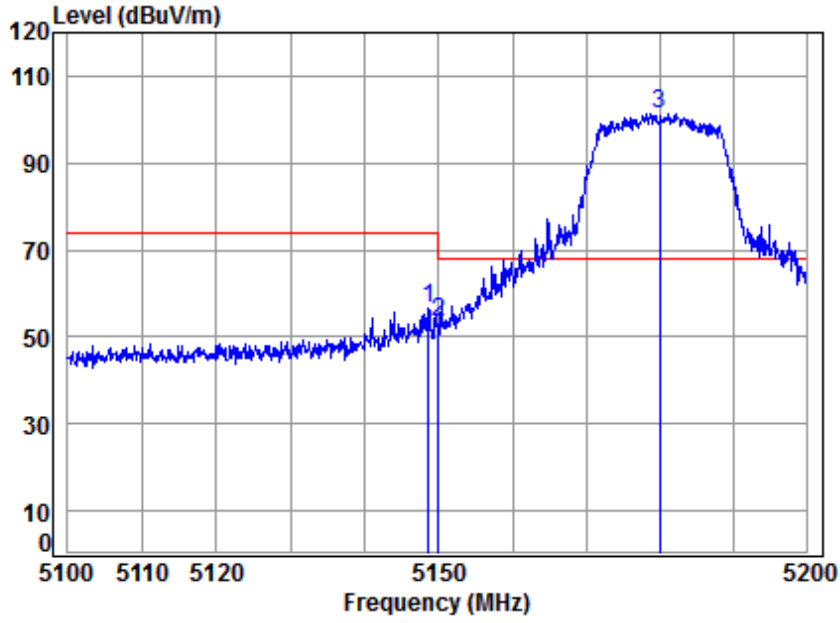


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 263 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5180 Band edge  
 Note : 5G WiFi 11N 20

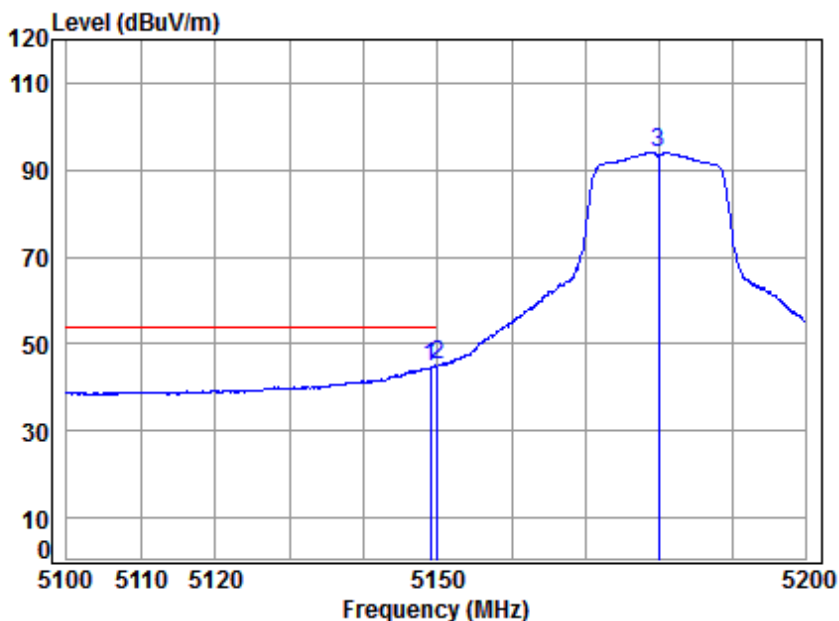
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5148.558	8.32	34.32	43.64	57.39	74.00	-17.61	peak
2	5149.980	8.33	34.32	43.64	54.59	74.00	-20.40	peak
3 *	5180.000	8.37	34.35	43.61	102.40	68.20	33.31	peak



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

Report No.: HR20188000503  
Page: 264 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5180 Band edge  
 Note : 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.958	8.32	34.32	43.64	45.84	44.84	54.00	-9.16	Average
2	5149.980	8.33	34.32	43.64	46.02	45.03	54.00	-8.97	Average
3	5180.000	8.37	34.35	43.61	94.93	94.04	-----	-----	Average

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

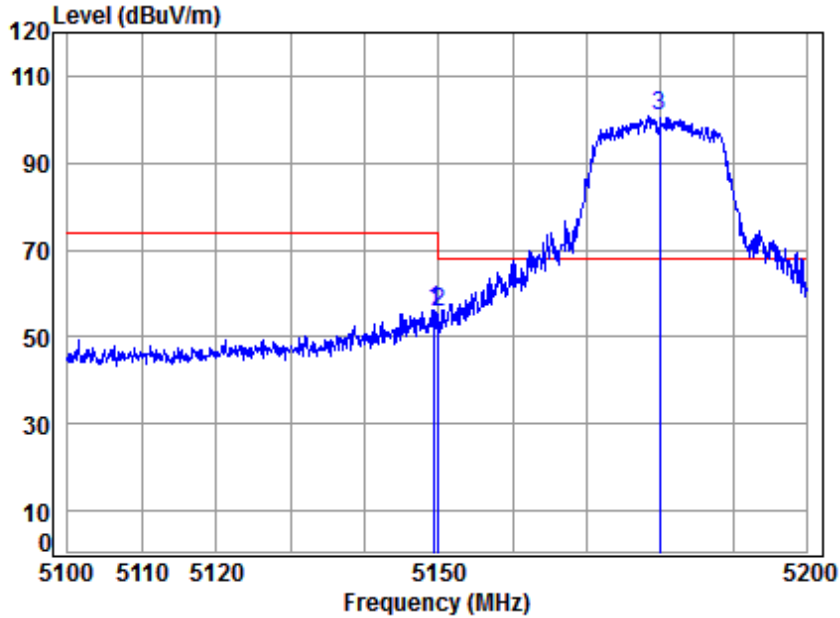




**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503  
Page: 265 of 390

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



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5180 Band edge  
Note : 5G WiFi 11N 20

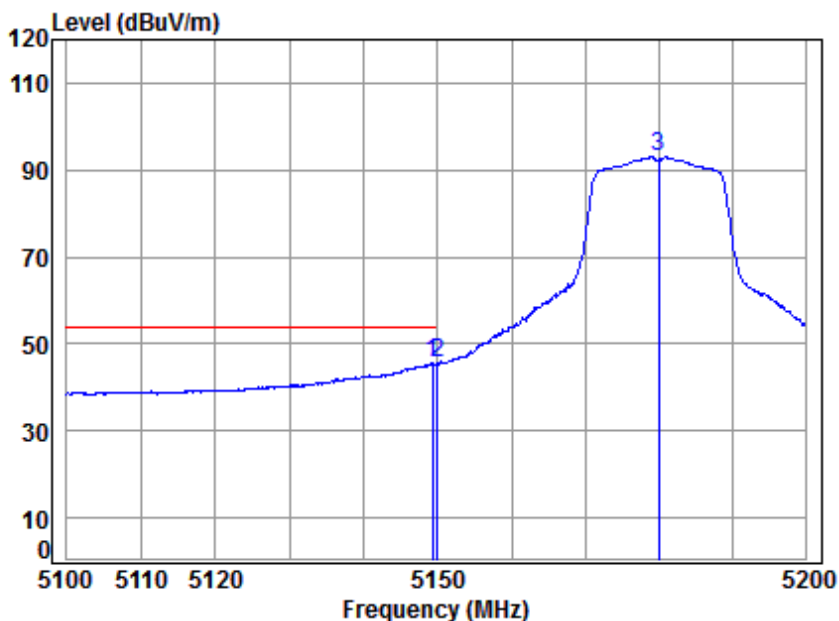
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	8.32	34.32	43.64	57.05	56.05	74.00	-17.95	peak
2	5149.980	8.33	34.32	43.64	56.85	55.86	74.00	-18.14	peak
3 *	5180.000	8.37	34.35	43.61	101.54	100.65	68.20	32.45	peak



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

Report No.: HR20188000503  
Page: 266 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5180 Band edge  
 Note : 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5149.257	8.32	34.32	43.64	46.64	54.00	-8.36	Average
2	5149.980	8.33	34.32	43.64	46.76	54.00	-8.23	Average
3	5180.000	8.37	34.35	43.61	93.91	-----	-----	Average

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

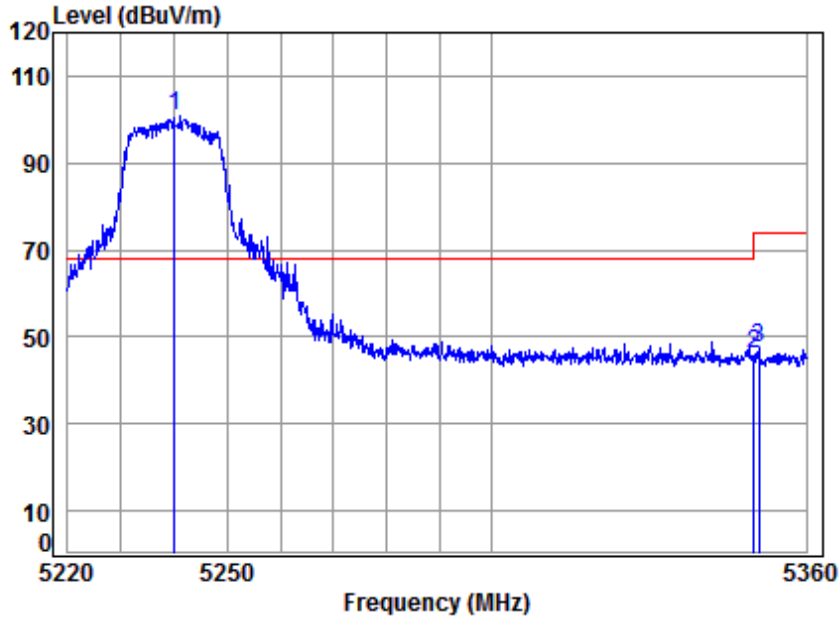


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 267 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5240 Band edge  
 Note : 5G WiFi 11N 20

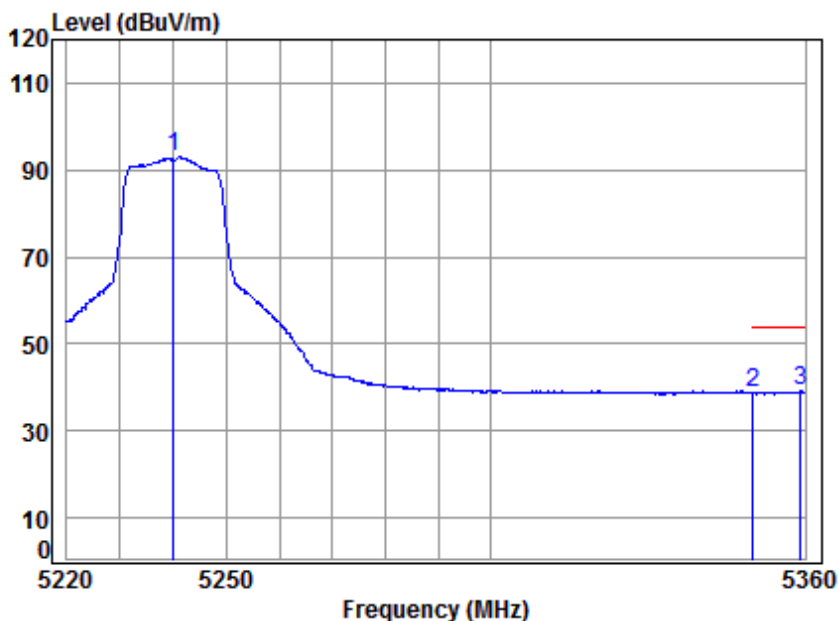
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	5240.000	8.46	34.40	43.55	101.48	100.79	68.20	32.59	peak
2	5350.020	8.63	34.48	43.44	46.32	45.99	74.00	-28.01	peak
3	5350.929	8.63	34.48	43.44	47.85	47.52	74.00	-26.48	peak



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

Report No.: HR20188000503  
Page: 268 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5240 Band edge  
 Note : 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.40	43.55	93.59	92.90	-----	-----	Average
2	5350.020	8.63	34.48	43.44	39.14	38.81	54.00	-15.19	Average
3	5359.149	8.64	34.49	43.43	39.34	39.04	54.00	-14.96	Average

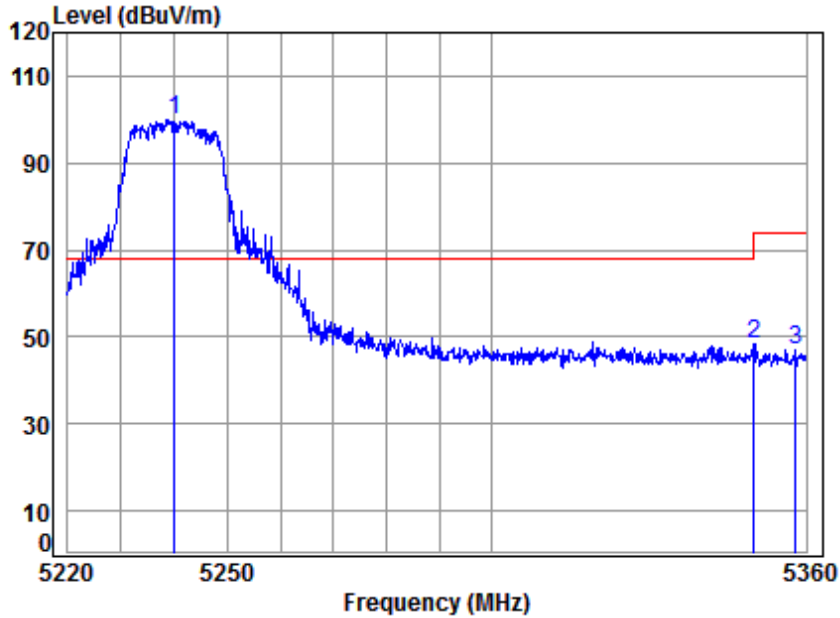


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 269 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5240 Band edge  
 Note : 5G WiFi 11N 20

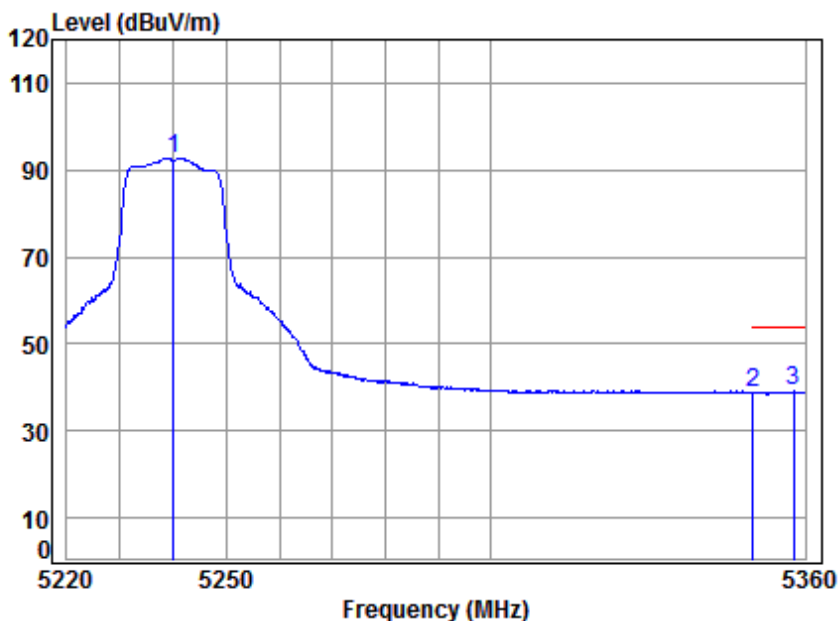
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 *	8.46	34.40	43.55	100.69	100.00	68.20	31.80	peak
2	8.63	34.48	43.44	48.73	48.40	74.00	-25.60	peak
3	8.64	34.49	43.43	47.33	47.03	74.00	-26.97	peak



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

Report No.: HR20188000503  
Page: 270 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5240 Band edge  
 Note : 5G WiFi 11N 20

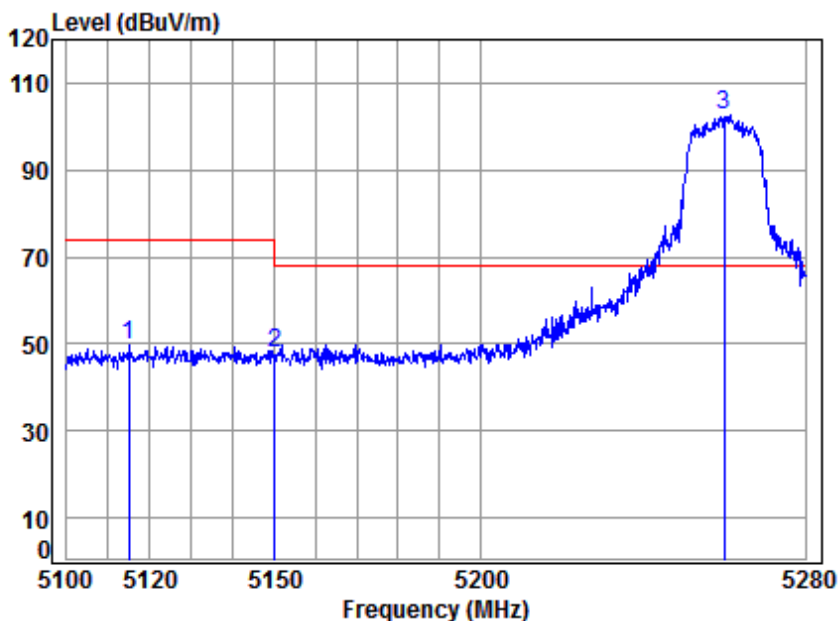
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.40	43.55	93.50	92.81	-----	-----	Average
2	5350.020	8.63	34.48	43.44	39.11	38.78	54.00	-15.22	Average
3	5357.873	8.64	34.49	43.43	39.39	39.09	54.00	-14.91	Average



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

Report No.: HR20188000503  
Page: 271 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5260	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5260 Band edge  
 Note : 5G WiFi 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5114.881	8.27	34.30	43.68	50.66	49.55	74.00	-24.45	peak
2	5149.980	8.33	34.32	43.64	48.91	47.92	74.00	-26.08	peak
3 *	5260.000	8.49	34.41	43.53	103.12	102.49	68.20	34.29	peak

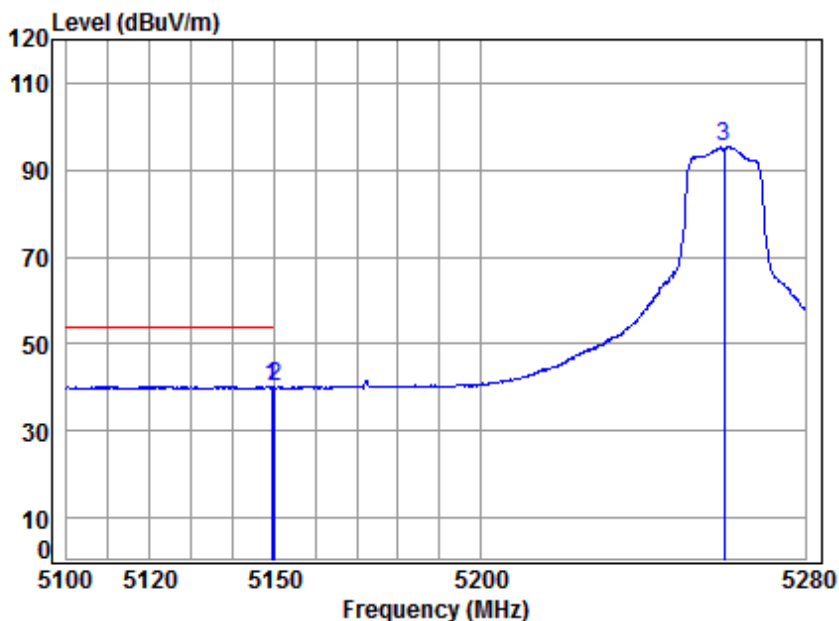
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 272 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5260	Average	Vertical
------------	---------------	-----------------	------	---------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5260 Band edge  
 Note : 5G WiFi 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.236	8.32	34.32	43.64	41.37	40.37	54.00	-13.63	Average
2	5149.980	8.33	34.32	43.64	41.03	40.04	54.00	-13.96	Average
3	5260.000	8.49	34.41	43.53	96.02	95.39	-----	-----	Average

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

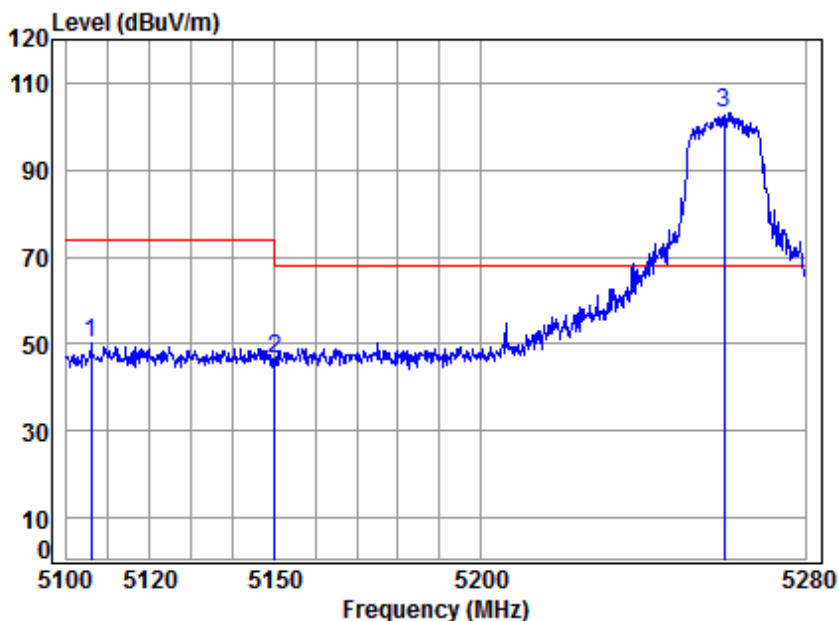




# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503  
Page: 273 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5260	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5260 Band edge  
 Note : 5G WiFi 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5105.841	8.26	34.29	43.69	51.35	50.21	74.00	-23.79	peak
2	5149.980	8.33	34.32	43.64	47.64	46.65	74.00	-27.35	peak
3 *	5260.000	8.49	34.41	43.53	103.92	103.29	68.20	35.09	peak

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

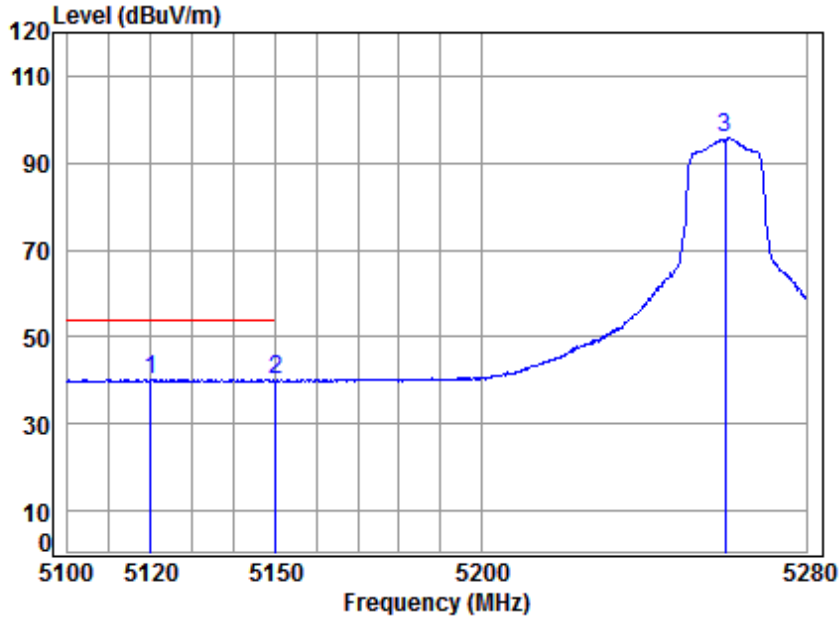


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 274 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5260	Average	Horizontal
------------	---------------	-----------------	------	---------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5260 Band edge  
 Note : 5G WiFi 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5119.851	8.28	34.30	43.67	41.31	40.22	54.00	-13.78 Average
2	5149.980	8.33	34.32	43.64	40.93	39.94	54.00	-14.06 Average
3	5260.000	8.49	34.41	43.53	96.24	95.61	-----	----- Average

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

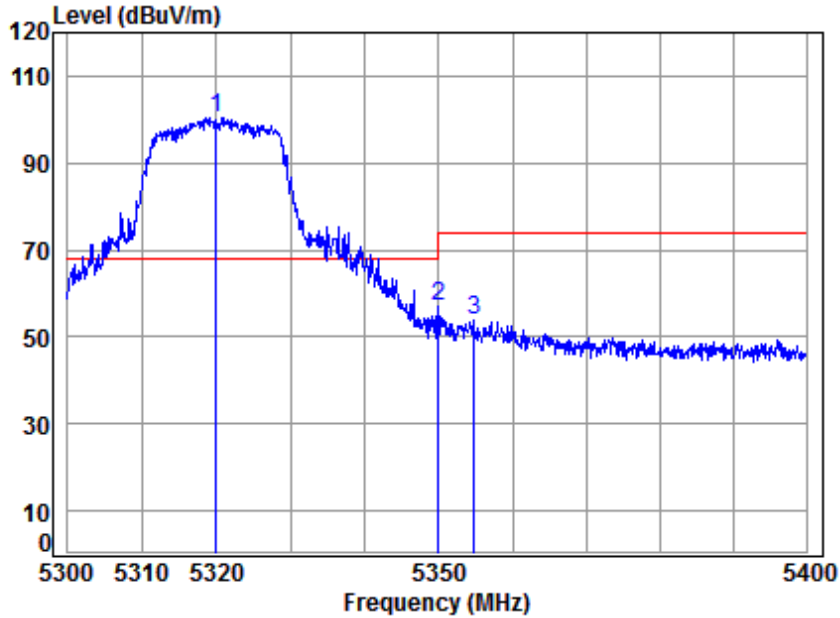


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 275 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5320	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5320 Band edge  
 Note : 5G WiFi 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 *	8.58	34.46	43.47	100.87	100.44	68.20	32.24 peak
2	8.63	34.48	43.44	57.22	56.89	74.00	-17.11 peak
3	8.64	34.49	43.44	54.13	53.82	74.00	-20.18 peak

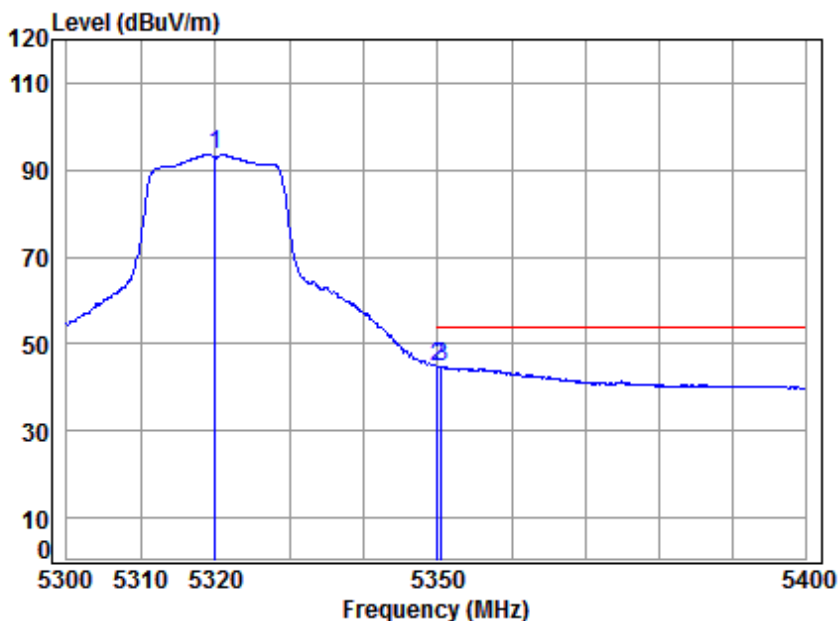
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 276 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5320	Average	Vertical
------------	---------------	-----------------	------	---------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5320 Band edge  
 Note : 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	5320.000	8.58	34.46	43.47	94.01	93.58	-----	-----	Average
2	5350.020	8.63	34.48	43.44	45.23	44.90	54.00	-9.10	Average
3	5350.566	8.63	34.48	43.44	45.15	44.82	54.00	-9.18	Average

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

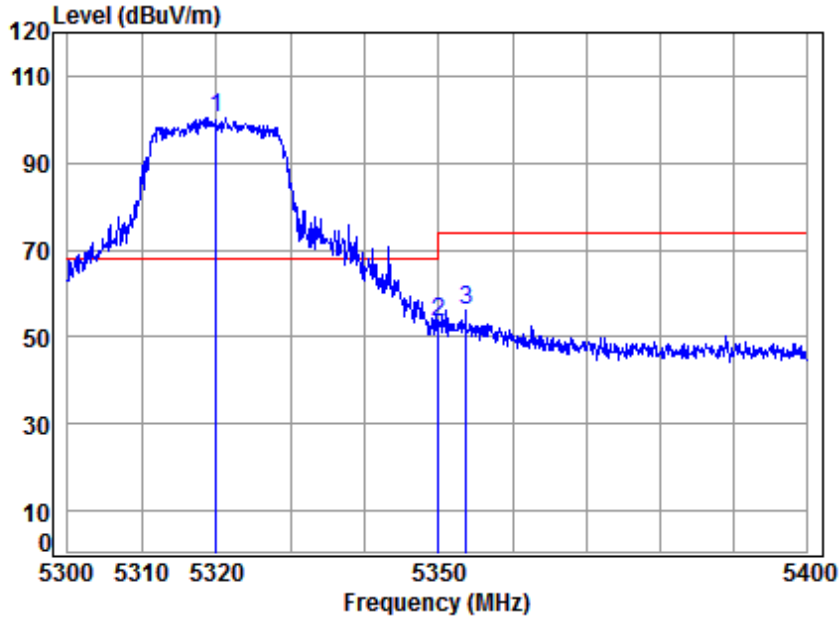


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 277 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5320	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5320 Band edge  
 Note : 5G WiFi 11N20

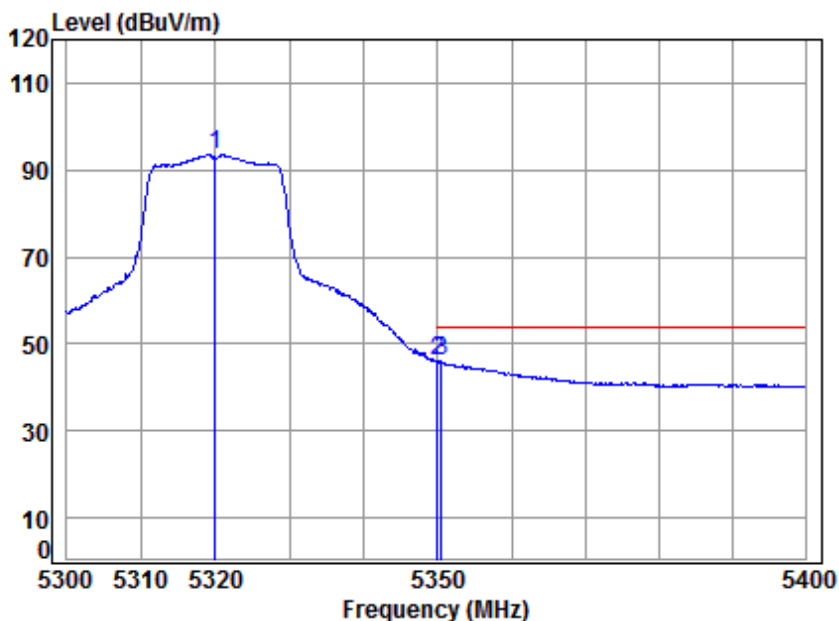
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 * 5320.000	8.58	34.46	43.47	100.78	100.35	68.20	32.15	peak
2 5350.020	8.63	34.48	43.44	53.69	53.36	74.00	-20.64	peak
3 5353.667	8.63	34.49	43.44	56.41	56.09	74.00	-17.91	peak



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

Report No.: HR20188000503  
Page: 278 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5320	Average	Horizontal
------------	---------------	-----------------	------	---------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5320 Band edge  
 Note : 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	5320.000	8.58	34.46	43.47	93.90	93.47	-----	-----	Average
2	5350.020	8.63	34.48	43.44	46.43	46.10	54.00	-7.90	Average
3	5350.566	8.63	34.48	43.44	46.31	45.98	54.00	-8.02	Average

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

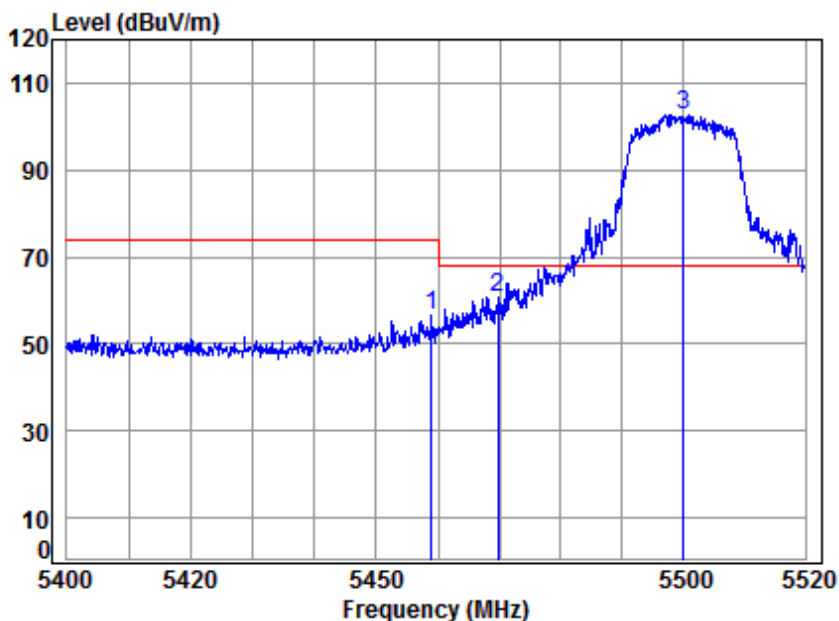


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 279 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5500	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5500 Band edge  
 Note : 5G WiFi 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	8.79	34.57	43.33	56.45	56.48	74.00	-17.52
2	8.81	34.58	43.32	60.78	60.85	68.20	-7.35
3 *	8.85	34.60	43.29	102.68	102.84	68.20	34.64

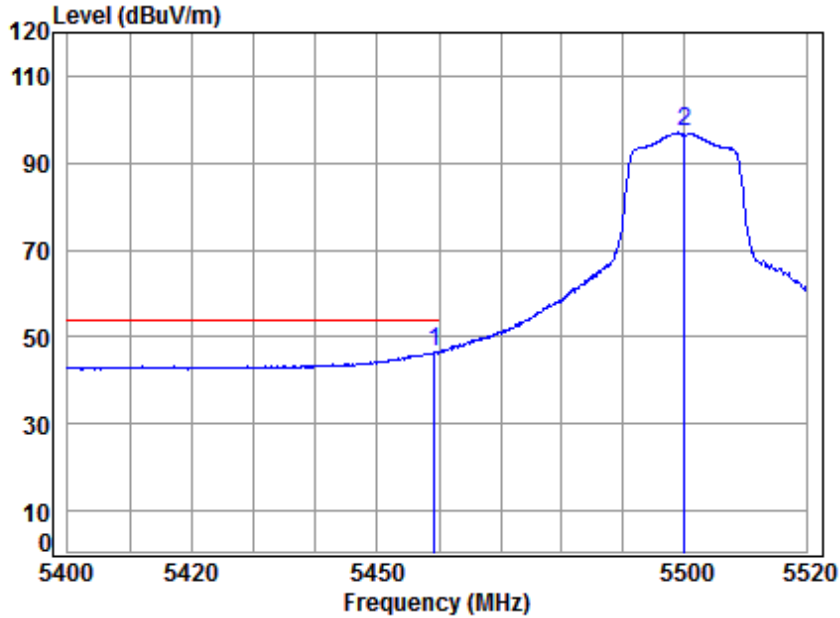
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 280 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5500	Average	Vertical
------------	---------------	-----------------	------	---------	----------



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5500 Band edge  
Note : 5G WiFi 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.190	8.79	34.57	43.33	46.48	46.51	54.00	-7.49	Average
2	5500.000	8.85	34.60	43.29	96.84	97.00	-----	-----	Average



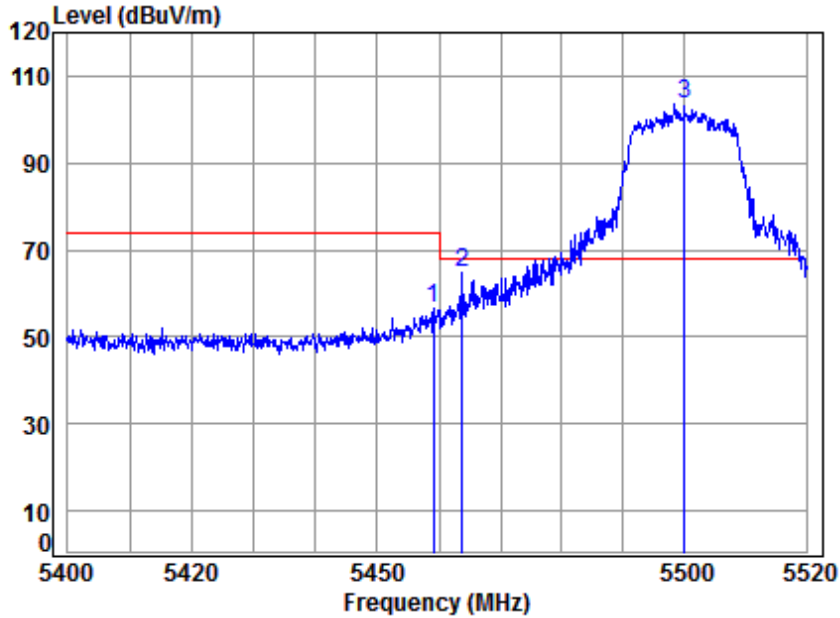


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 281 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5500	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5500 Band edge  
 Note : 5G WiFi 11N20

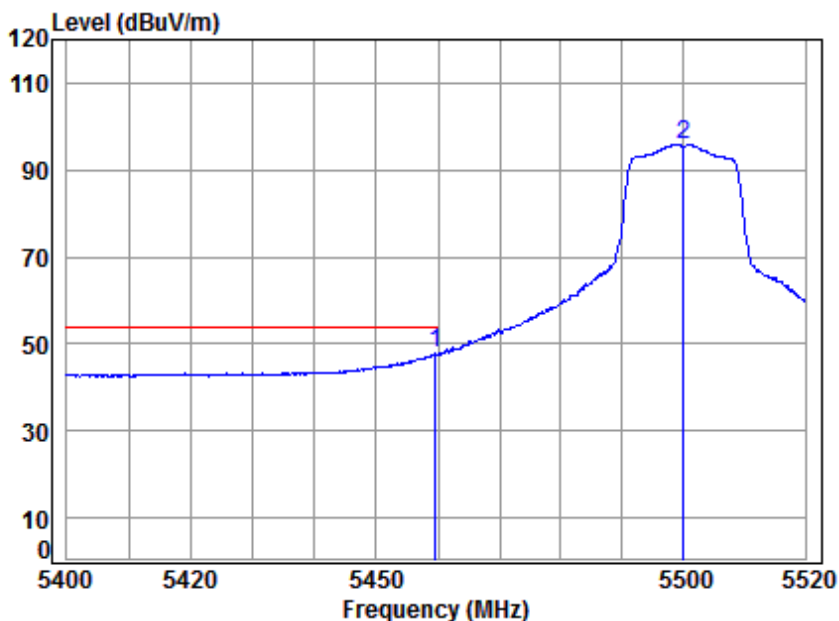
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.070	8.79	34.57	43.33	56.46	56.49	74.00	-17.51	peak
2	5463.752	8.80	34.57	43.33	64.72	64.76	68.20	-3.44	peak
3 *	5500.000	8.85	34.60	43.29	103.33	103.49	68.20	35.29	peak



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

Report No.: HR20188000503  
Page: 282 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5500	Average	Horizontal
------------	---------------	-----------------	------	---------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5500 Band edge  
 Note : 5G WiFi 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.550	8.79	34.57	43.33	48.02	48.05	54.00	-5.95	Average
2	5500.000	8.85	34.60	43.29	95.85	96.01	-----	-----	Average

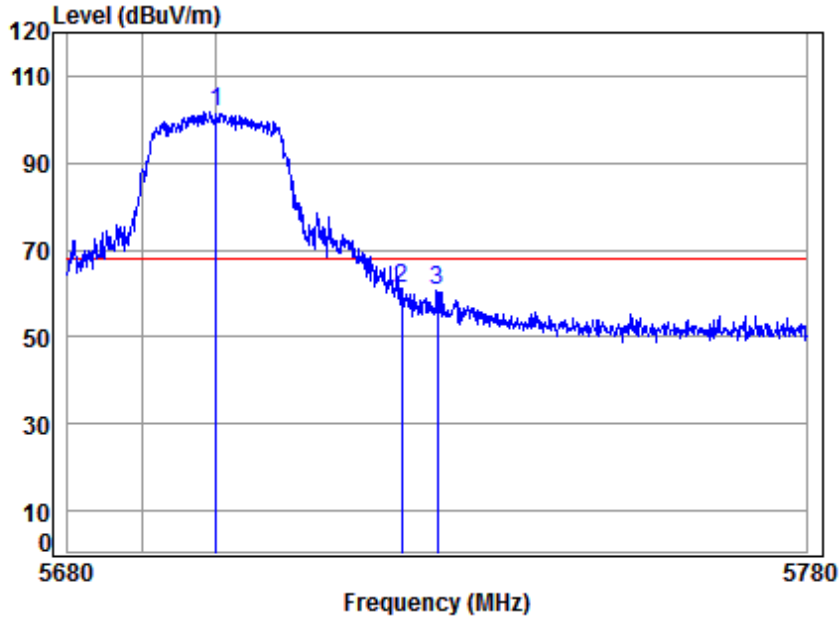


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 283 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5700	Peak	Vertical
------------	---------------	-----------------	------	------	----------



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5700 Band edge  
 Note : 5G WiFi 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	9.56	34.81	43.10	100.35	101.62	68.20	33.42 peak
2 5725.000	9.64	34.83	43.08	59.74	61.13	68.20	-7.07 peak
3 5729.782	9.66	34.84	43.08	59.43	60.85	68.20	-7.35 peak

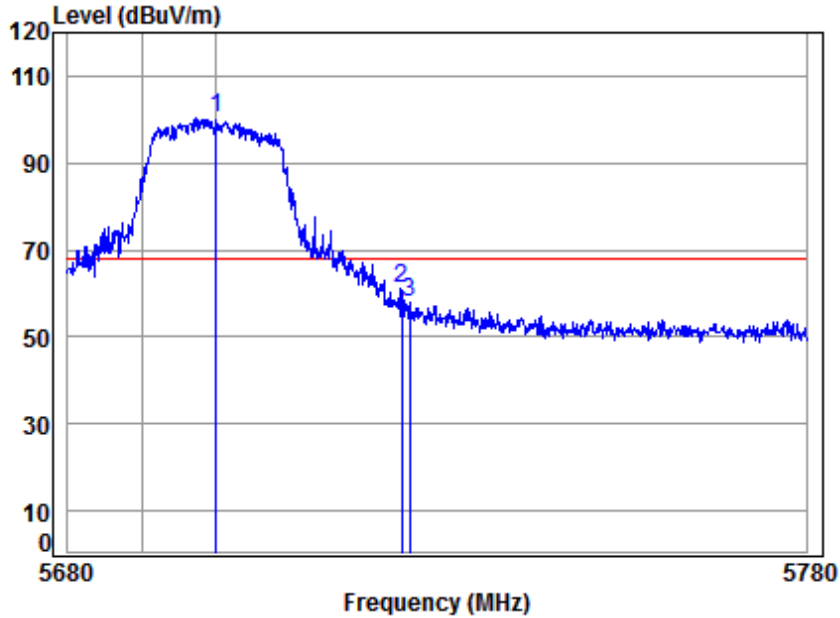


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 284 of 390

Test mode:	802.11n(HT20)	Frequency(MHz):	5700	Peak	Horizontal
------------	---------------	-----------------	------	------	------------



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5700 Band edge  
 Note : 5G WiFi 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	9.56	34.81	43.10	99.06	100.33	68.20	32.13 peak
2 5725.000	9.64	34.83	43.08	59.61	61.00	68.20	-7.20 peak
3 5726.083	9.65	34.83	43.08	56.33	57.73	68.20	-10.47 peak

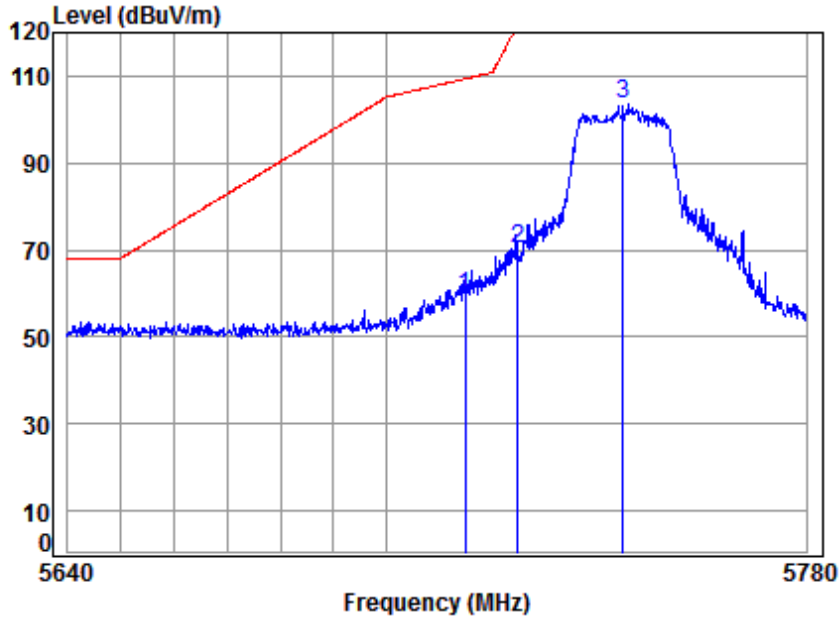


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 285 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5745 Band edge  
 Note : 5G WiFi 11N 20

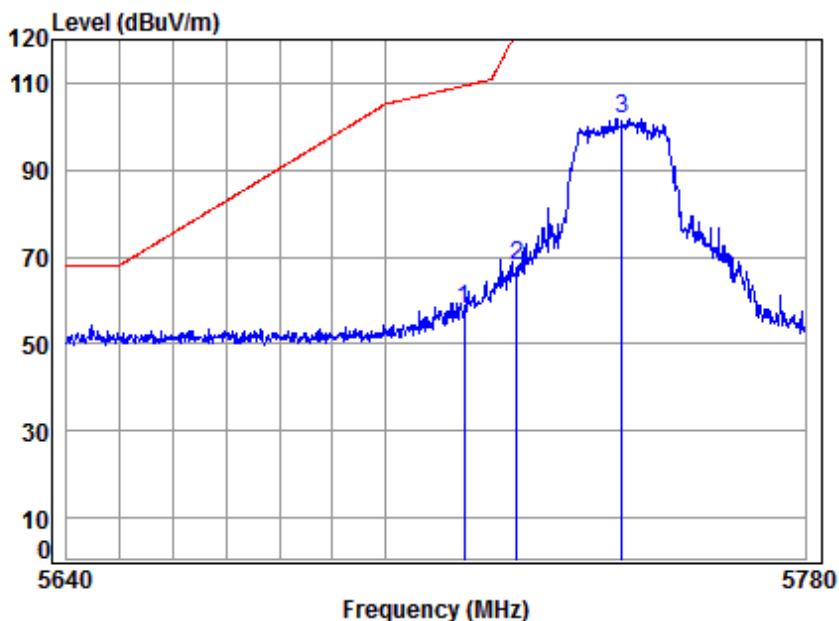
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	43.09	57.82	59.16	109.40	-50.24 peak
2	5725.000	9.64	34.83	43.08	68.88	70.27	122.20	-51.93 peak
3	5745.000	9.71	34.85	43.06	101.90	103.40	125.20	-21.80 peak



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

Report No.: HR20188000503  
Page: 286 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5745 Band edge  
 Note : 5G WiFi 11N 20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	43.09	56.48	57.82	109.40	-51.58 peak
2	5725.000	9.64	34.83	43.08	66.45	67.84	122.20	-54.36 peak
3	5745.000	9.71	34.85	43.06	100.46	101.96	125.20	-23.24 peak

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

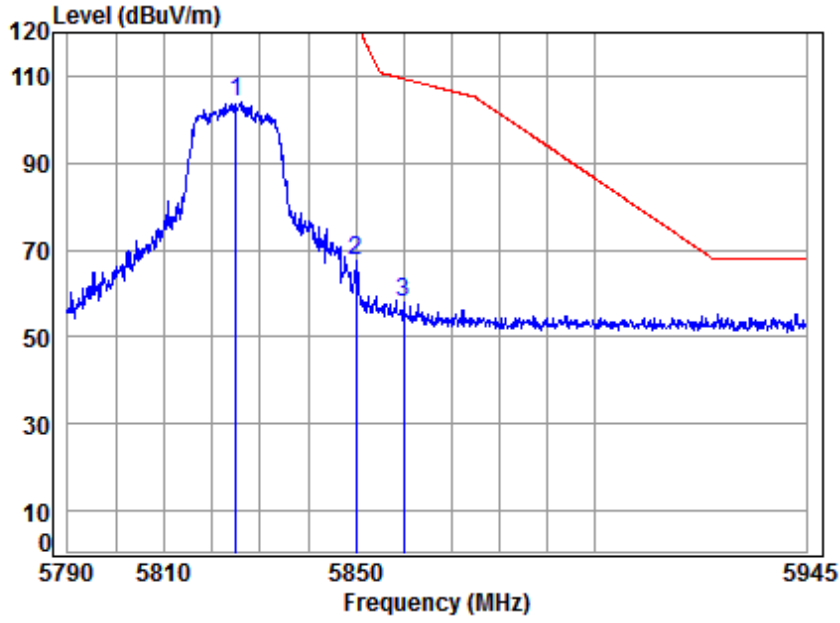


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 287 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5825 Band edge  
 Note : 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamplifier	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	9.98	34.93	42.99	102.26	104.18	125.20	-21.02 peak
2	5850.000	10.07	34.95	42.96	65.27	67.33	122.20	-54.87 peak
3	5860.000	10.10	34.96	42.96	55.81	57.91	109.40	-51.49 peak

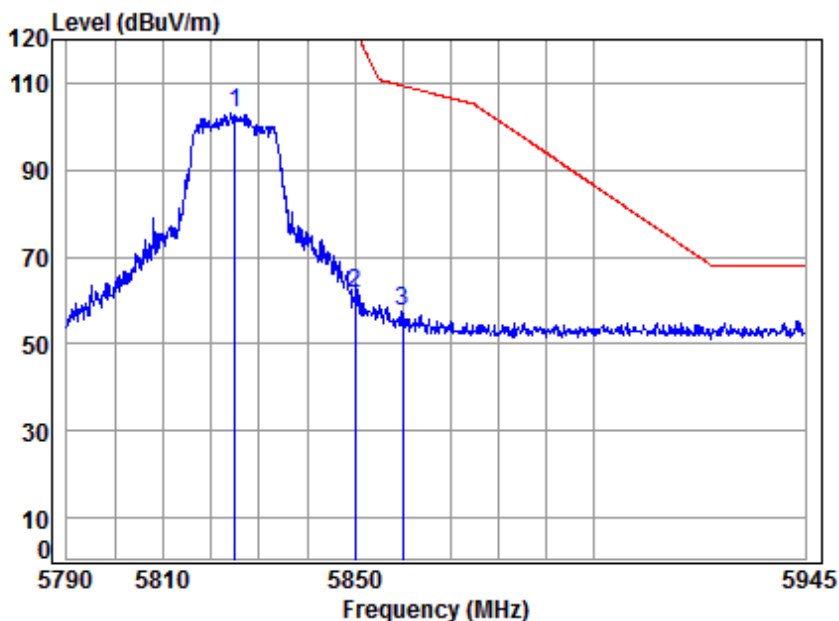


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 288 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5825 Band edge  
 Note : 5G WiFi 11N 20

	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	9.98	34.93	42.99	101.33	103.25	125.20	-21.95	peak
2	5850.000	10.07	34.95	42.96	59.42	61.48	122.20	-60.72	peak
3	5860.000	10.10	34.96	42.96	55.28	57.38	109.40	-52.02	peak

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



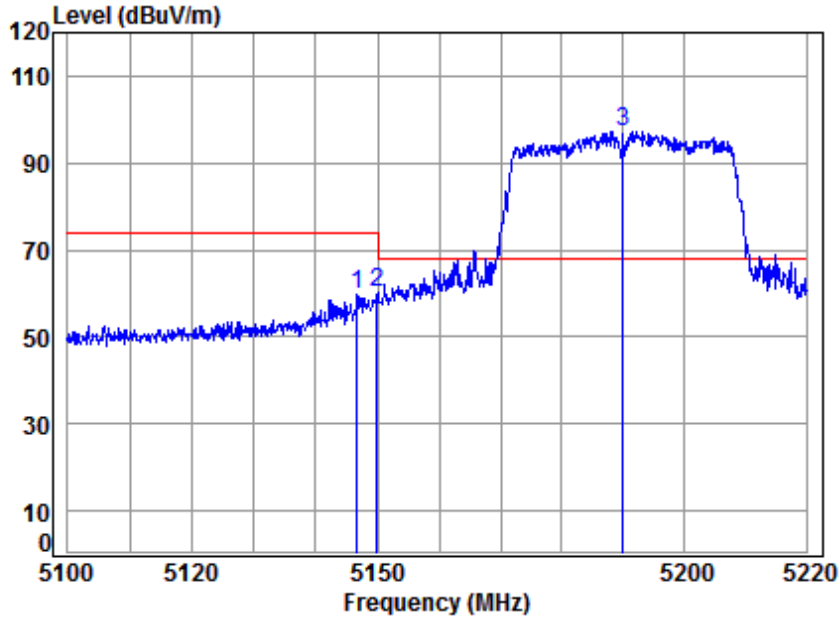


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 289 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5190 Band edge  
 Note : 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5146.708	8.32	34.32	43.65	60.95	59.94	-14.06	peak
2	5149.980	8.33	34.32	43.64	61.11	60.12	-13.88	peak
3 *	5190.000	8.39	34.36	43.60	98.16	97.31	29.11	peak

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

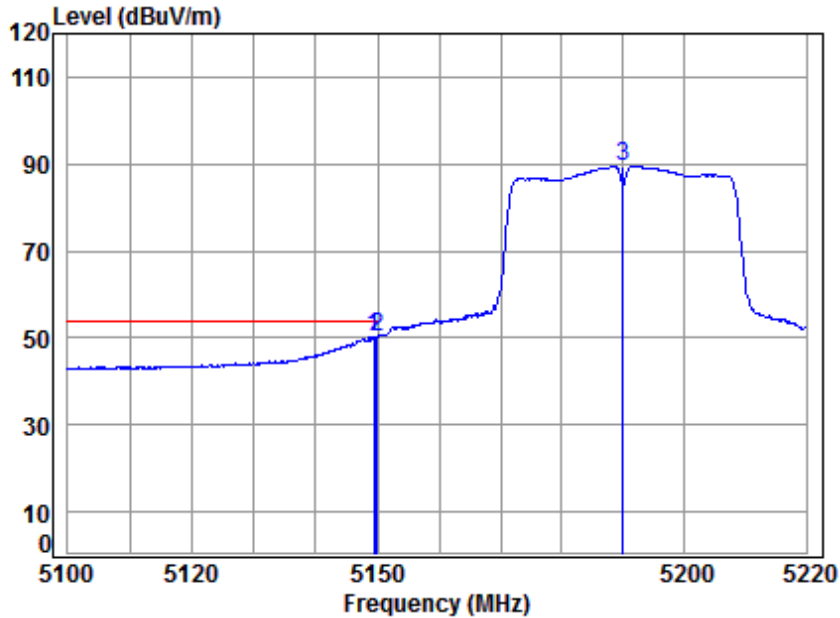


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 290 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5190 Band edge  
 Note : 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5149.461	8.32	34.32	43.64	51.30	50.30	54.00	-3.70 Average
2	5149.980	8.33	34.32	43.64	51.36	50.37	54.00	-3.63 Average
3	5190.000	8.39	34.36	43.60	90.25	89.40	-----	----- Average

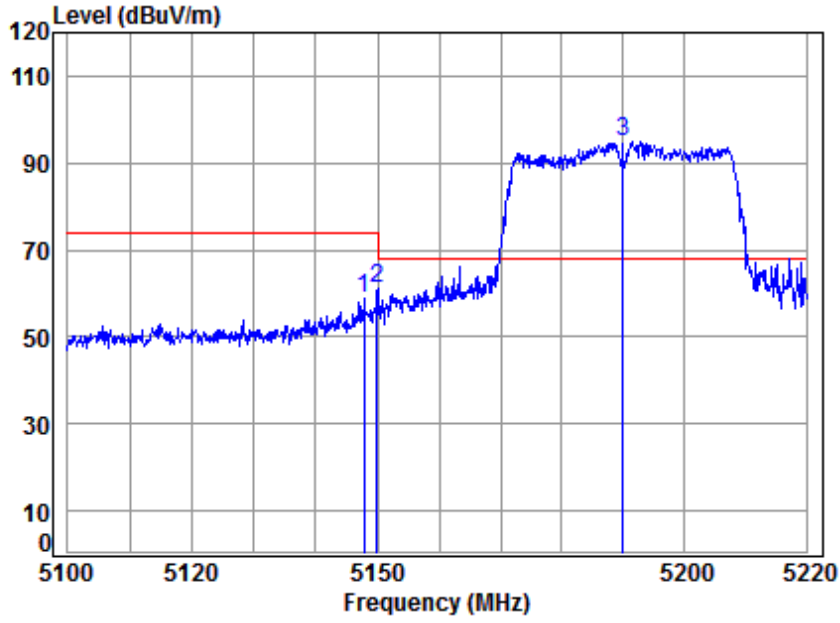


# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: HR20188000503

Page: 291 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5190 Band edge  
 Note : 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.785	8.32	34.32	43.65	59.70	58.69	74.00	-15.31	peak
2	5149.980	8.33	34.32	43.64	62.34	61.35	74.00	-12.65	peak
3 *	5190.000	8.39	34.36	43.60	95.58	94.73	68.20	26.53	peak

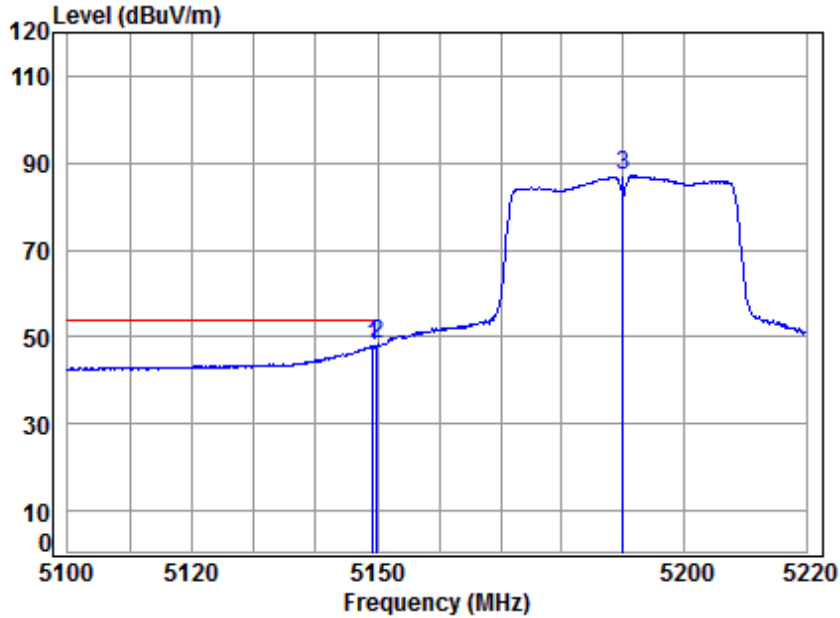
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>.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



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

Report No.: HR20188000503  
Page: 292 of 390

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



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 80005  
Mode : 5190 Band edge  
Note : 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.342	8.32	34.32	43.64	48.85	47.85	54.00	-6.15	Average
2	5149.980	8.33	34.32	43.64	49.33	48.34	54.00	-5.66	Average
3	5190.000	8.39	34.36	43.60	87.82	86.97	-----	-----	Average

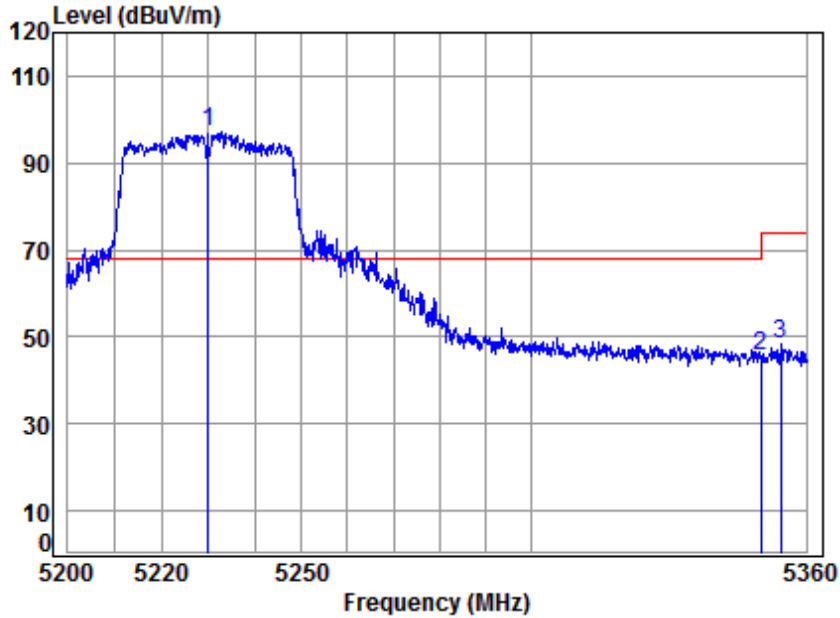


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 293 of 390

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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 80005  
 Mode : 5230 Band edge  
 Note : 5G WiFi 11N 40

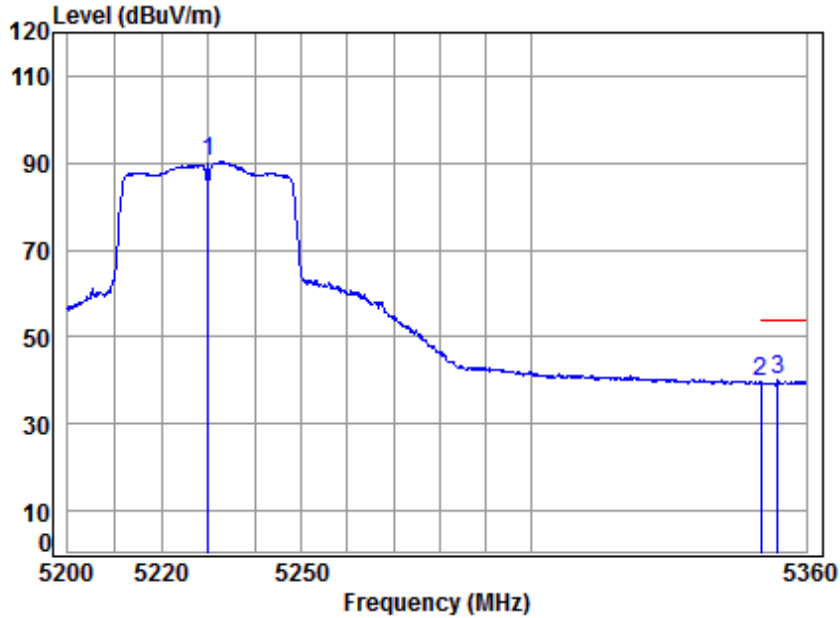
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1 *	5230.000	8.45	34.39	43.56	98.05	68.20	29.13	peak
2	5350.020	8.63	34.48	43.44	46.02	74.00	-28.31	peak
3	5354.318	8.64	34.49	43.44	48.77	74.00	-25.54	peak



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

Report No.: HR20188000503  
Page: 294 of 390

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



Site : chamber  
Condition: 3m VERTICAL  
Job No : 80005  
Mode : 5230 Band edge  
Note : 5G WiFi 11N 40

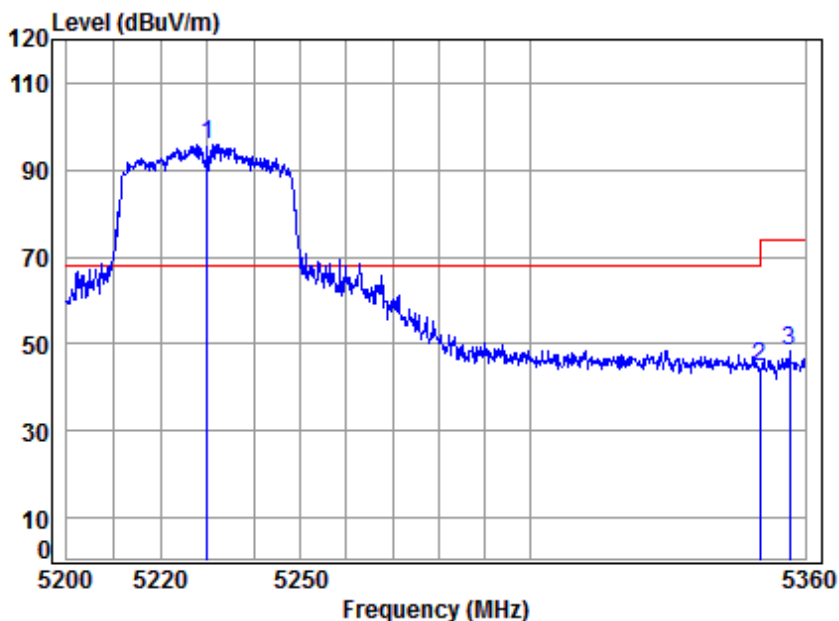
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.45	34.39	43.56	90.91	90.19	-----	-----	Average
2	5350.020	8.63	34.48	43.44	40.01	39.68	54.00	-14.32	Average
3	5353.831	8.64	34.49	43.44	40.26	39.95	54.00	-14.05	Average



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

Report No.: HR20188000503  
Page: 295 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5230 Band edge  
 Note : 5G WiFi 11N 40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 *	8.45	34.39	43.56	96.54	95.82	68.20	27.62 peak
2	8.63	34.48	43.44	45.10	44.77	74.00	-29.23 peak
3	8.64	34.49	43.43	48.55	48.25	74.00	-25.75 peak

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

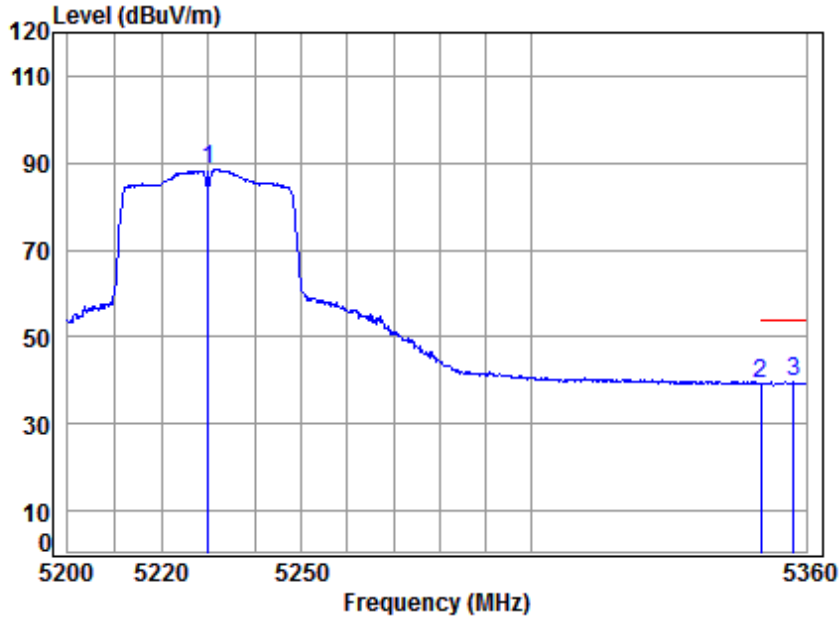


**SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch**

Report No.: HR20188000503

Page: 296 of 390

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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 80005  
 Mode : 5230 Band edge  
 Note : 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.45	34.39	43.56	89.27	88.55	-----	-----	Average
2	5350.020	8.63	34.48	43.44	39.66	39.33	54.00	-14.67	Average
3	5357.239	8.64	34.49	43.43	39.99	39.69	54.00	-14.31	Average