

2.5. Peak Power spectral density

2.5.1. Requirement

- (1) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.
- (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band.
- (3) For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30 dBm in any 500KHz band.

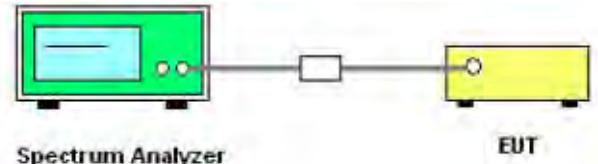
If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(4) According to KDB662911D01Measure-and-sum technique, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in units that are directly proportional to power.

(5) According to KDB 662911 D01, the directional gain = $G_{ANT} + 10\log(N_{ANT})$ dBi, where G_{ANT} is the antenna gain in dBi, N_{ANT} is the number of outputs.

2.5.2. Test Description

A. Test Set:



The EUT is coupled to the Spectrum Analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading.

B. Test Procedure

KDB 789033 Section F) Maximum Power Spectral Density (PSD) Method SA-1 was used in order to prove compliance

- 1) Set span to encompass the entire 26-dB emission bandwidth
- 2) Set RBW = 1 MHz. Set VBW \geq 3 MHz.
- 3) Number of points in sweep \geq 2 Span / RBW. Sweep time = auto.
- 4) Detector = Peak
- 5) Trace mode=Max hold
- 6) Record the max value

2.5.3. Test Result

802.11a Test mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
36	5180	10.12	11	PASS
44	5220	9.91		
48	5240	10.27		
52	5260	10.19		
60	5300	10.22		
64	5320	10.19		
100	5500	10.10		
120	5600	10.11		
144	5720	9.71		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
144	5720	5.27	30	PASS
149	5745	5.77		
157	5785	5.48		
165	5825	5.74		

B. Test Plots



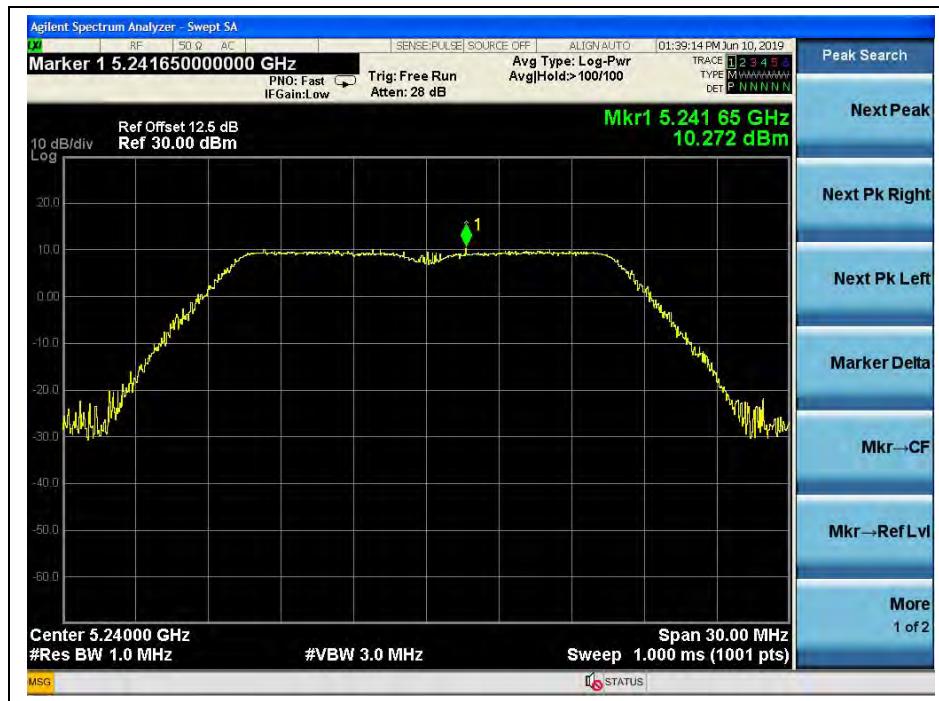
(Channel 36, 5180MHz, 802.11a,)



REPORT No.: SZ19050235W04



(Channel 44, 5220 MHz, 802.11a,)



(Channel 48, 5240MHz, 802.11a,)

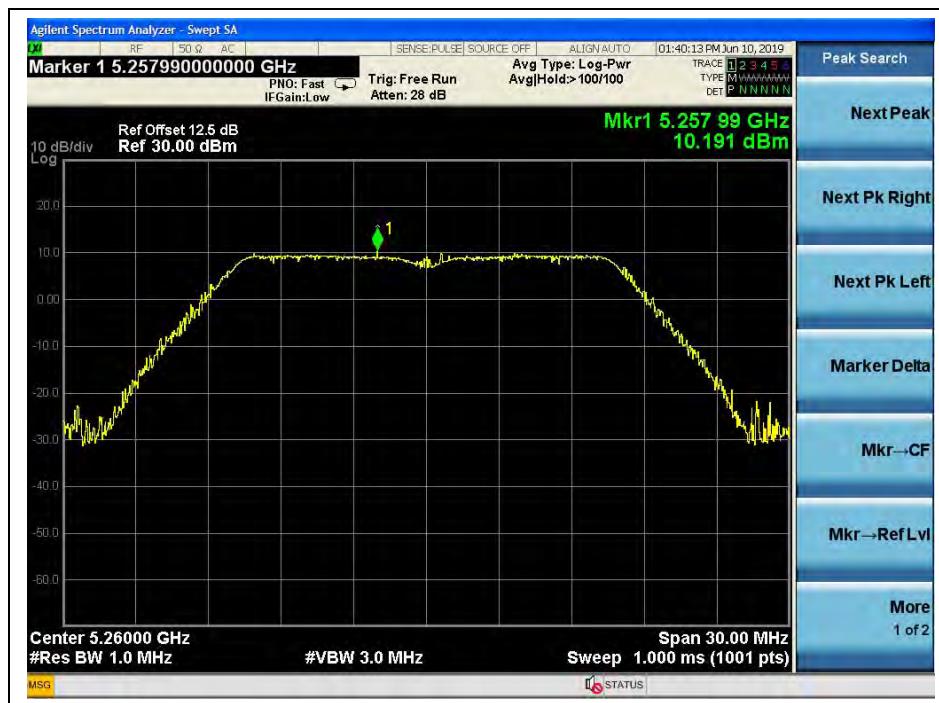
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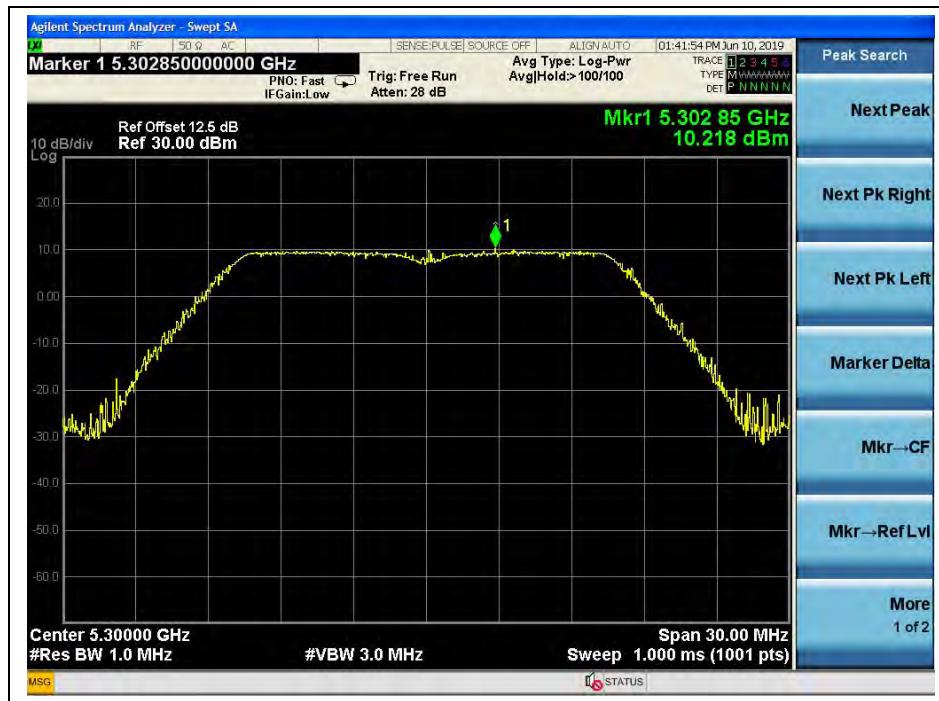
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REPORT No.: SZ19050235W04



(Channel 52, 5260MHz, 802.11a,)



(Channel 60, 5300 MHz, 802.11a,)

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REPORT No.: SZ19050235W04



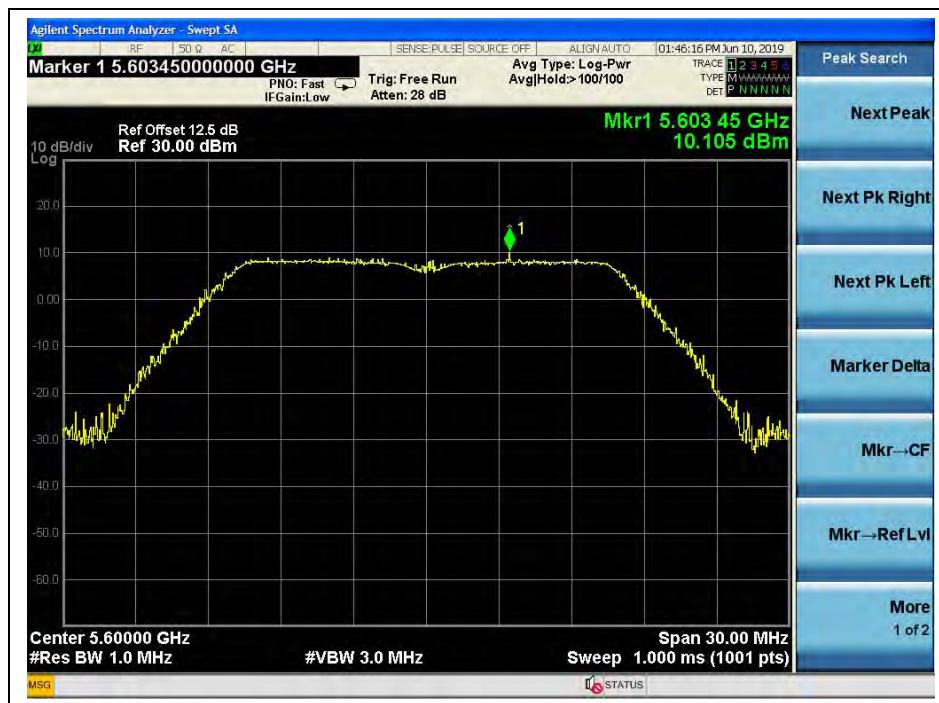
(Channel 64, 5320MHz, 802.11a,)



(Channel 100, 5500MHz, 802.11a,)



REPORT No.: SZ19050235W04



(Channel 120, 5600 MHz, 802.11a,)



(Channel 144, 5720MHz, 802.11a,)

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REPORT No.: SZ19050235W04



(Channel 144, 5720MHz, 802.11a)



(Channel 149, 5745MHz, 802.11a)

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REPORT No.: SZ19050235W04



(Channel 157, 5785MHz, 802.11a)



(Channel 165, 5825MHz, 802.11a)

802.11n (HT20) Test mode
A. Test Verdict:

Channel	Frequency (MHz)	Measured PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
36	5180	9.22	11	PASS
44	5220	9.18		
48	5240	9.79		
52	5260	9.99		
60	5300	10.10		
64	5320	9.94		
100	5500	9.47		
116	5600	9.12		
144	5720	8.63		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
144	5720	5.73	30	PASS
149	5745	5.54		
157	5785	5.17		
165	5825	5.31		

B. Test Plots

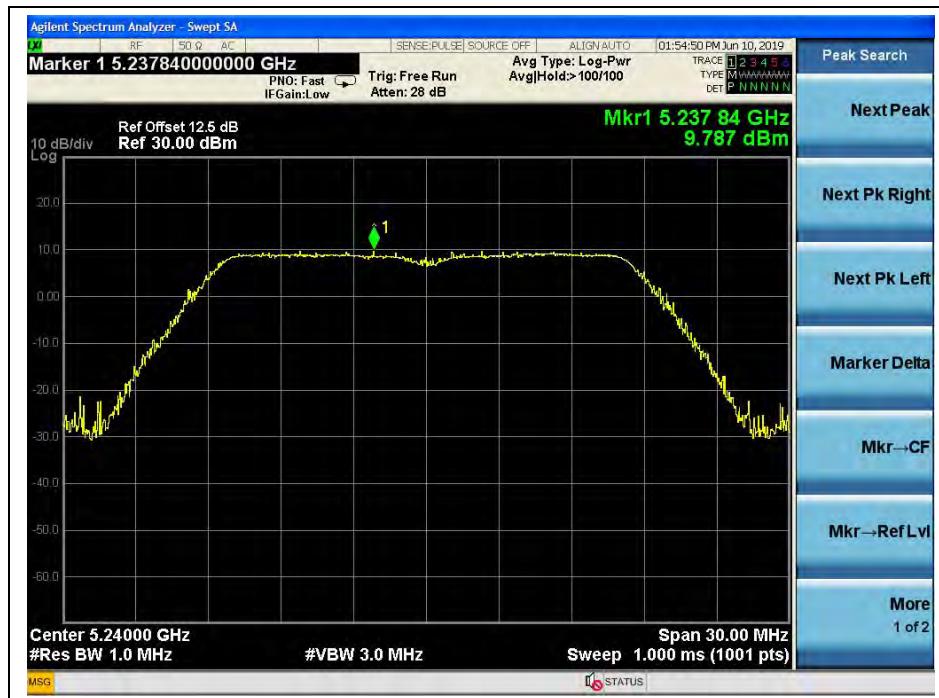

(Channel 36, 5180MHz, 802.11 n (HT20))



REPORT No.: SZ19050235W04



(Channel 44, 5220 MHz, 802.11 n (HT20))



(Channel 48, 5240MHz, 802.11 n (HT20))



REPORT No.: SZ19050235W04



(Channel 52, 5260MHz, 802.11 n (HT20))



(Channel 60, 5300 MHz, 802.11 n (HT20))



REPORT No.: SZ19050235W04



(Channel 64, 5320MHz, 802.11 n (HT20))



(Channel 100, 5500MHz, 802.11 n (HT20))

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REPORT No.: SZ19050235W04



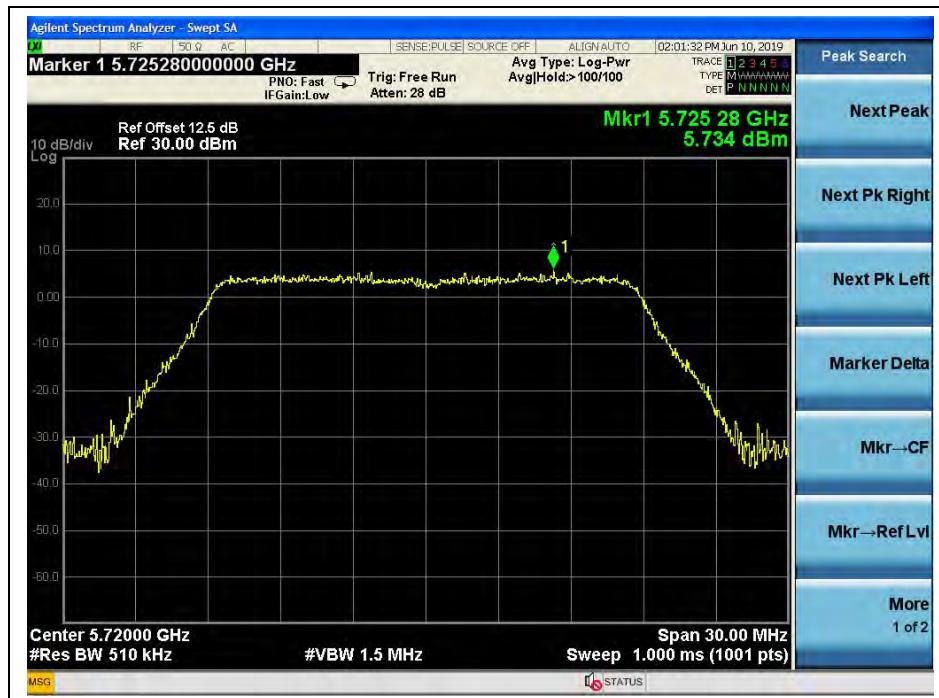
(Channel 120, 5600 MHz, 802.11 n (HT20))



(Channel 144, 5720MHz, 802.11 n (HT20))



REPORT No.: SZ19050235W04



(Channel 144, 5720MHz, 802.11 n (HT20))



(Channel 149, 5745MHz, 802.11 n (HT20))

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REPORT No.: SZ19050235W04



(Channel 157, 5785MHz, 802.11 n (HT20))



(Channel 165, 5825MHz, 802.11 n (HT20))

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REPORT No.: SZ19050235W04

802.11n (HT40) Test mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
38	5190	6.15	11	PASS
46	5230	7.73		
54	5270	7.19		
62	5310	7.53		
102	5510	6.74		
126	5630	6.67		
142	5710	5.87		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
142	5710	2.05	30	PASS
151	5755	2.58		
159	5795	2.55		

B. Test Plots



(Channel 38, 5190MHz, 802.11n (HT40))



REPORT No.: SZ19050235W04



(Channel 46, 5230 MHz, 802.11n (HT40))



(Channel 54, 5270MHz, 802.11n (HT40))



REPORT No.: SZ19050235W04



(Channel 62, 5310 MHz, 802.11n (HT40))



(Channel 102, 5510MHz, 802.11n (HT40))

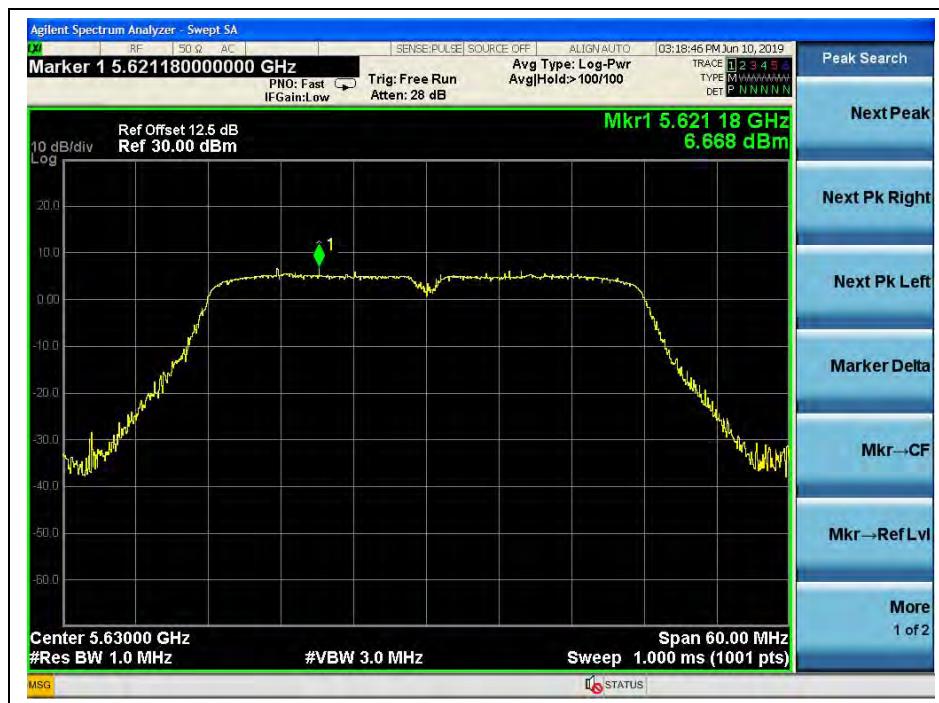
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REPORT No.: SZ19050235W04



(Channel 126, 5630 MHz, 802.11n (HT40))



(Channel 142, 5710MHz, 802.11n (HT40))



REPORT No.: SZ19050235W04



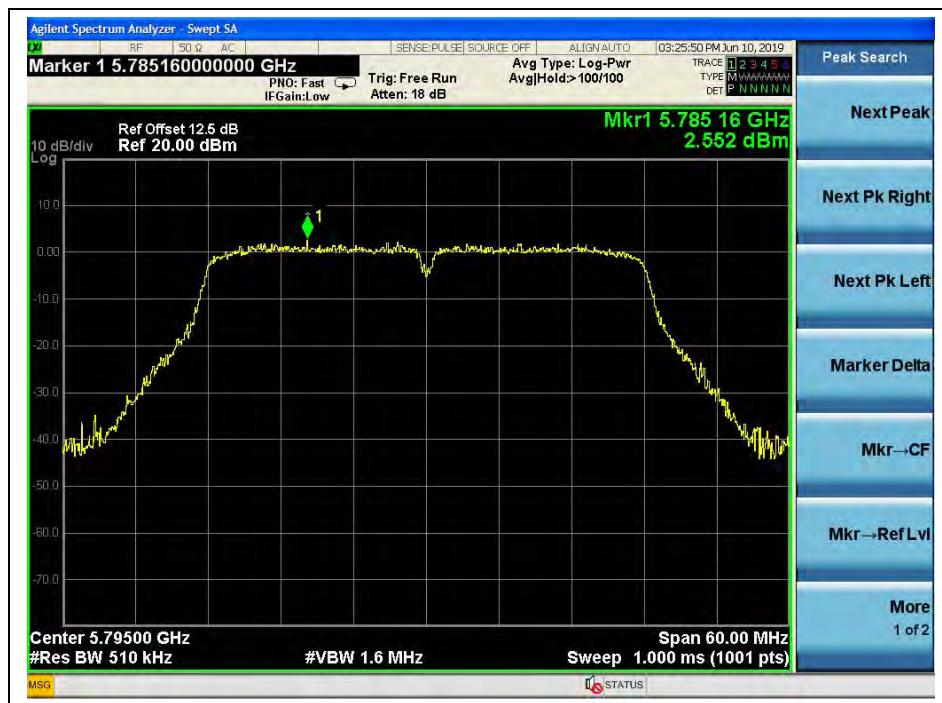
(Channel 142, 5710MHz, 802.11n (HT40))



(Channel 151, 5755 MHz, 802.11n (HT40))



REPORT No.: SZ19050235W04



(Channel 159, 5795MHz, 802.11n (HT40))

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**802.11ac (VHT20) Test mode****A. Test Verdict:**

Channel	Frequency (MHz)	Measured PPSSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
36	5180	8.30	11	PASS
44	5220	8.05		
48	5240	8.90		
52	5260	8.69		
60	5300	8.99		
64	5320	8.96		
100	5500	8.49		
120	5600	8.05		
144	5720	7.979		
Channel	Frequency (MHz)	Measured PPSSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
144	5720	4.76	30	PASS
149	5745	4.73		
157	5785	4.51		
165	5825	4.56		

B. Test Plots

(Channel 36, 5180MHz, 802.11ac (VHT20))



REPORT No.: SZ19050235W04



(Channel 44, 5220 MHz, 802.11 ac (VHT20))



(Channel 48, 5240MHz, 802.11 ac (VHT20))



REPORT No.: SZ19050235W04



(Channel 52, 5260MHz, 802.11 ac (VHT20))



(Channel 60, 5300 MHz, 802.11 ac (VHT20))

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REPORT No.: SZ19050235W04



(Channel 64, 5320MHz, 802.11 ac (VHT20))



(Channel 100, 5500MHz, 802.11 ac (VHT20))



REPORT No.: SZ19050235W04



(Channel 120, 5600 MHz, 802.11 ac (VHT20))



(Channel 144, 5720MHz, 802.11 ac (VHT20))

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REPORT No.: SZ19050235W04



(Channel 144, 5720MHz, 802.11 ac (VHT20))



(Channel 149, 5745MHz, 802.11 ac (VHT20))

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REPORT No.: SZ19050235W04



(Channel 157, 5785MHz, 802.11 ac (VHT20))



(Channel 165, 5825MHz, 802.11 ac (VHT20))



REPORT No.: SZ19050235W04

802.11ac (VHT40) Test mode

A. Test Verdict:

Channel	Frequency (MHz)	Measured PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
38	5190	6.22	11	PASS
46	5230	7.07		
54	5270	7.30		
62	5310	7.15		
102	5510	6.55		
126	5630	6.10		
142	5710	5.25		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
142	5710	1.98	30	PASS
151	5755	2.72		
155	5795	2.76		

B. Test Plots



(Channel 38, 5190MHz, 802.11 ac (VHT40))



REPORT No.: SZ19050235W04



(Channel 46, 5230 MHz, 802.11 ac (VHT40))



(Channel 54, 5270MHz, 802.11 ac (VHT40))



REPORT No.: SZ19050235W04



(Channel 62, 5310MHz, 802.11 ac (VHT40))



(Channel 102, 5510 MHz, 802.11 ac (VHT40))

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REPORT No.: SZ19050235W04



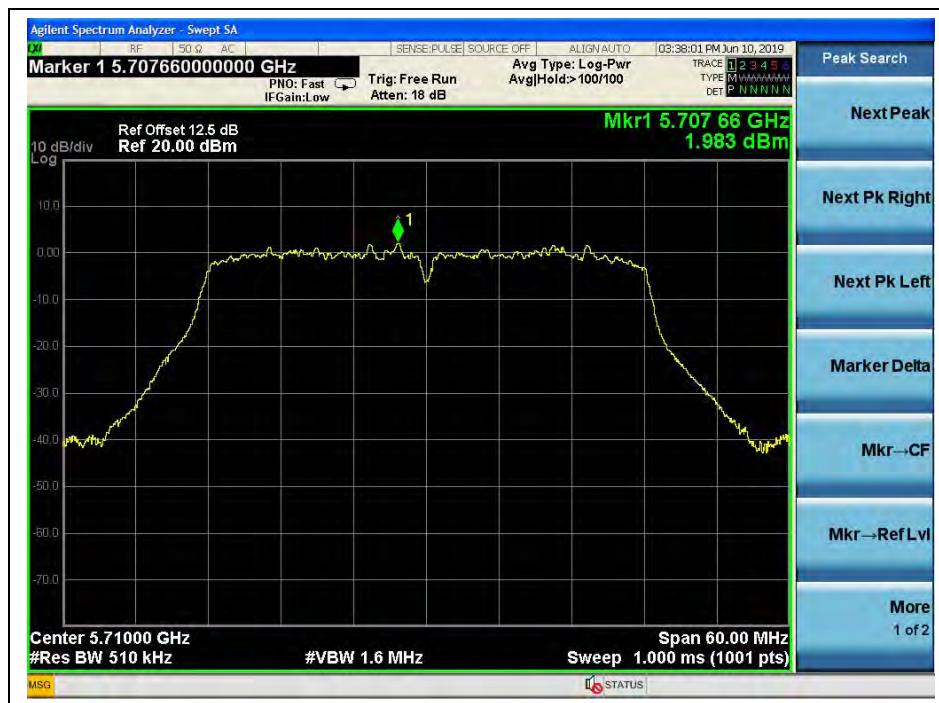
(Channel 126, 5630MHz, 802.11 ac (VHT40))



(Channel 142, 5710MHz, 802.11 ac (VHT40))



REPORT No.: SZ19050235W04



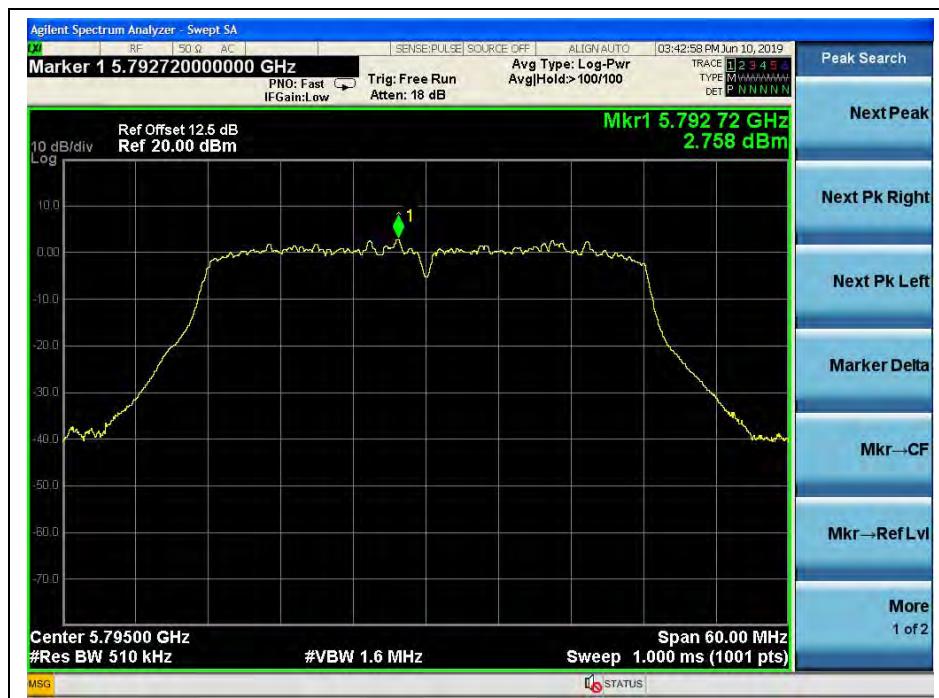
(Channel 142, 5710 MHz, 802.11 ac (VHT40))



(Channel 151, 5755MHz, 802.11 ac (VHT40))



REPORT No.: SZ19050235W04



(Channel 159, 5795MHz, 802.11 ac (VHT40))

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802.11ac (VHT80) Test mode
A. Test Verdict:

Channel	Frequency (MHz)	Measured PPSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
42	5210	3.08	11	PASS
58	5290	4.06		
106	5530	3.34		
122	5610	3.82		
138	5690	2.89		
Channel	Frequency (MHz)	Measured PPSD (dBm/500KHz)	Limit (dBm/500KHz)	Verdict
138	5690	-0.92	30	PASS
155	5775	-0.56		

B. Test Plots


(Channel 42, 5210MHz, 802.11ac (VHT80))



REPORT No.: SZ19050235W04



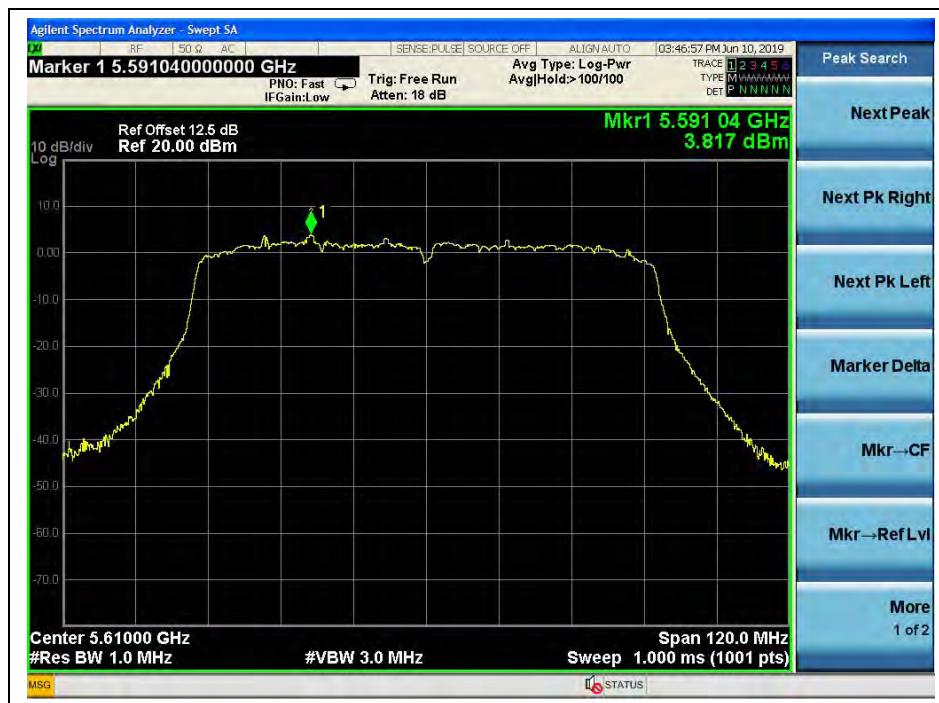
(Channel 58, 5290 MHz, 802.11 ac (VHT80))



(Channel 106, 5530MHz, 802.11 ac (VHT80))



REPORT No.: SZ19050235W04



(Channel 122, 5610 MHz, 802.11 ac (VHT80))



(Channel 138, 5690MHz, 802.11 ac (VHT80))

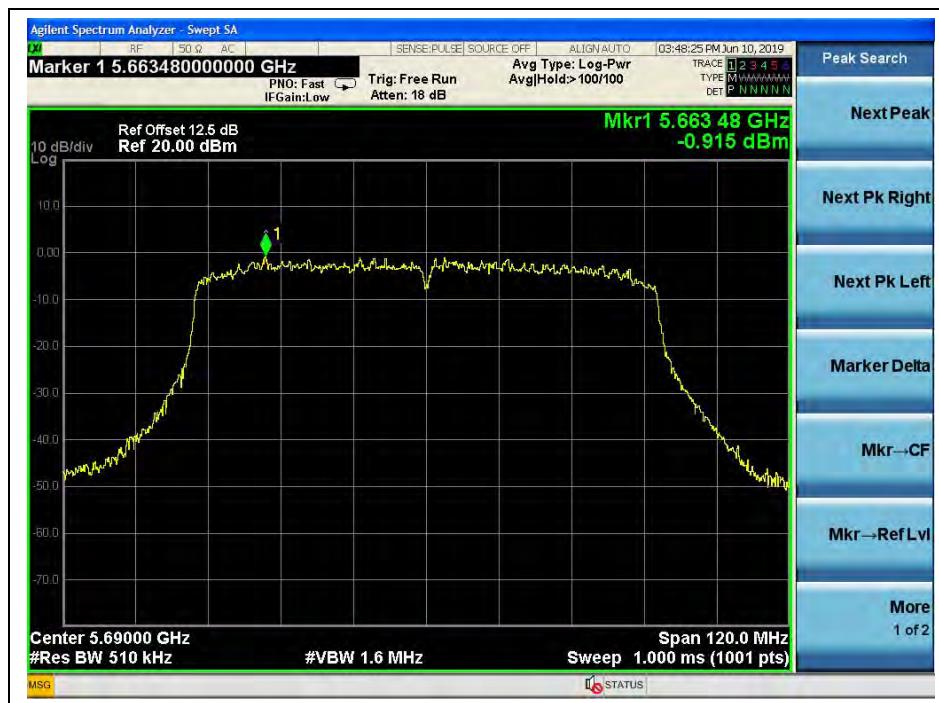
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REPORT No.: SZ19050235W04



(Channel 138, 5690 MHz, 802.11 ac (VHT80))



(Channel 155, 5775MHz, 802.11 ac (VHT80))

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2.6. Frequency Stability

2.6.1. Requirement

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

2.6.2. Test Procedure

The EUT was placed inside of an environmental chamber as the temperature in the chamber was varied between 5°C to 40°C. The temperature was incremented by 10° intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded. Data for the worst case channel is shown below.

2.6.3. Test Result

U-NII-1 (Ch. 36) 5180MHz				
VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Freq Dev. (Hz)	Deviation (ppm)
100%	3.63	+20(Ref)	21	0.004
100%		-30	51	0.010
100%		-20	47	0.009
100%		-10	38	0.007
100%		0	32	0.006
100%		+10	25	0.005
100%		+20	27	0.005
100%		+30	34	0.007
100%		+40	42	0.008
100%		+50	49	0.009
85%	3.09	+20	52	0.010
115%	4.17	+20	41	0.008

**U-NII-2A (Ch. 52)****5260MHz**

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Freq Dev. (Hz)	Deviation (ppm)
100%	3.63	+20(Ref)	32	0.006
100%		-30	55	0.010
100%		-20	46	0.009
100%		-10	39	0.007
100%		0	33	0.006
100%		+10	34	0.006
100%		+20	37	0.007
100%		+30	44	0.008
100%		+40	49	0.009
100%		+50	57	0.011
85%	3.09	+20	30	0.006
115%	4.17	+20	32	0.006

U-NII-2C (Ch. 100)**5500MHz**

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Freq Dev. (Hz)	Deviation (ppm)
100%	3.63	+20(Ref)	20	0.004
100%		-30	48	0.009
100%		-20	39	0.007
100%		-10	27	0.005
100%		0	20	0.004
100%		+10	18	0.003
100%		+20	23	0.004
100%		+30	28	0.005
100%		+40	35	0.006
100%		+50	47	0.009
85%	3.09	+20	28	0.005
115%	4.17	+20	36	0.007



REPORT No.: SZ19050235W04

U-NII-3 (Ch. 149)

5745MHz

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	Freq Dev. (Hz)	Deviation (ppm)
100%	3.63	+20(Ref)	25	0.004
100%		-30	50	0.009
100%		-20	45	0.008
100%		-10	38	0.007
100%		0	33	0.006
100%		+10	24	0.004
100%		+20	30	0.005
100%		+30	25	0.004
100%		+40	39	0.007
100%		+50	41	0.007
85%	3.09	+20	49	0.009
115%	4.17	+20	36	0.006

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2.7. Conducted Emission

2.7.1. Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN).

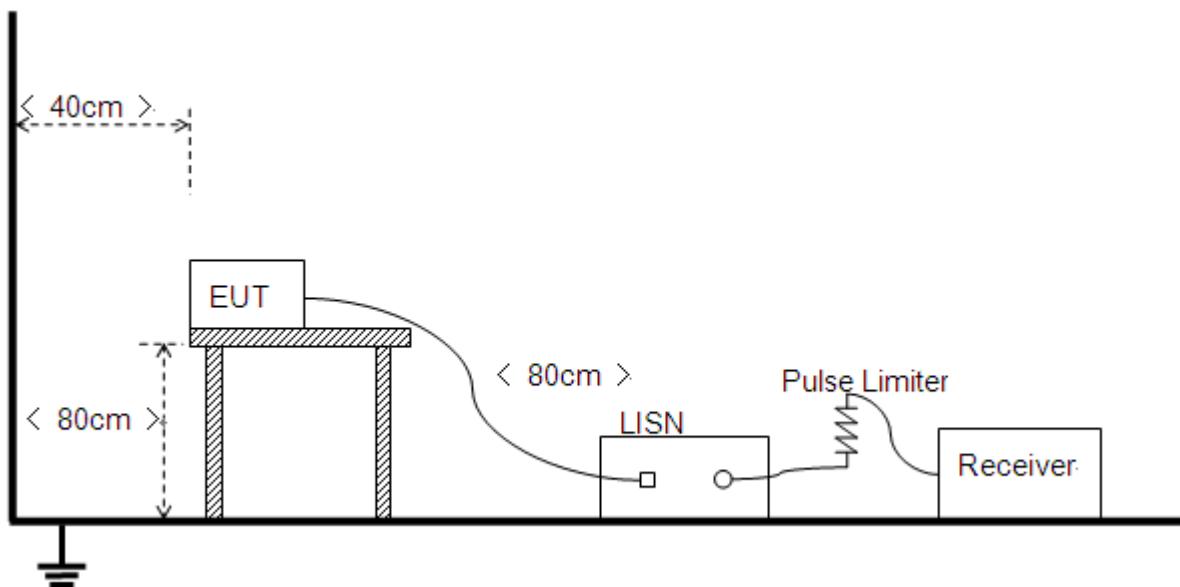
Frequency range (MHz)	Conducted Limit (dB μ V)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

- (a) The lower limit shall apply at the band edges.
- (b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

2.7.2. Test Description

A. Test Setup:



The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013.



2.7.3. Test Result

The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

Note: Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

A. Test setup:

Test Mode: EUT + USB Cable + Adapter + WIFI TX

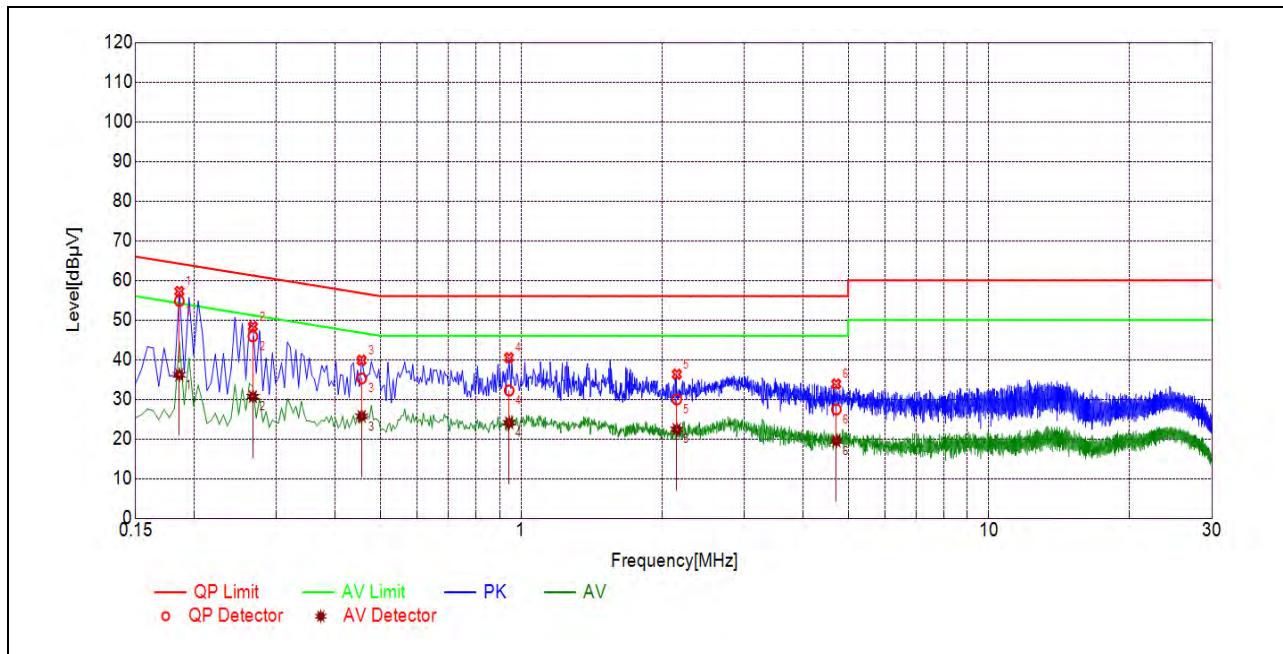
Test Voltage: AC 120V/60Hz

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V}] = U_R + L_{\text{Cable loss}} [\text{dB}] + A_{\text{Factor}}$$

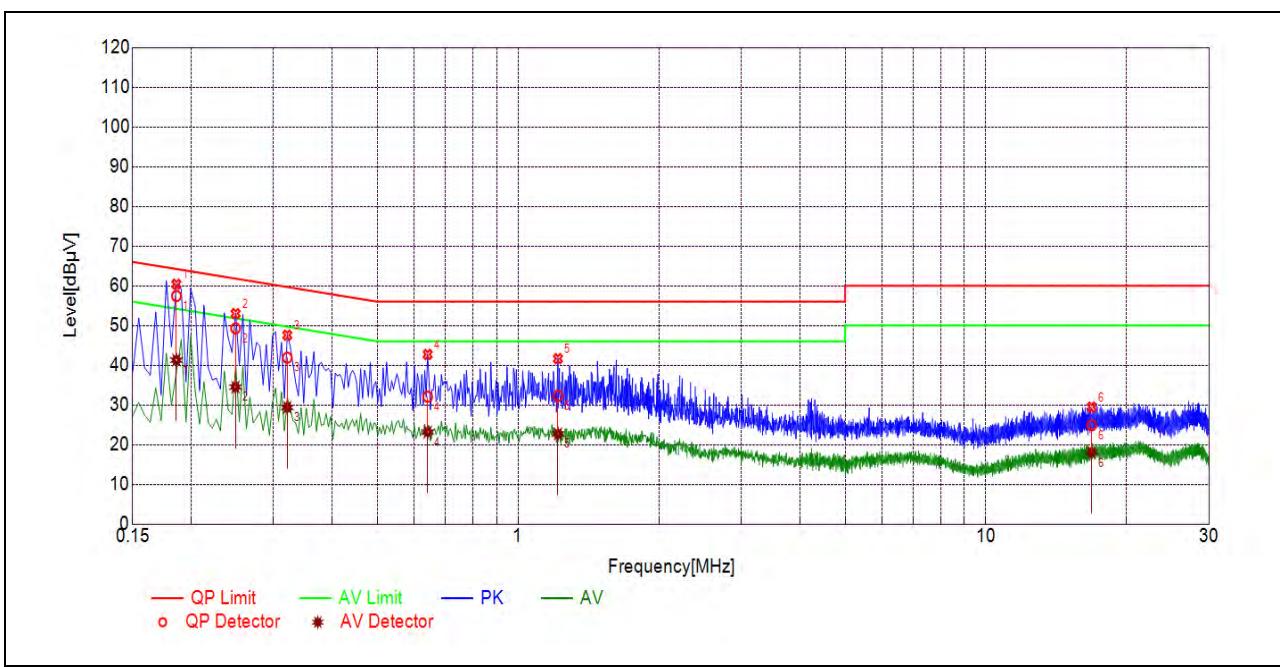
U_R : Receiver Reading

A_{Factor} : Voltage division factor of LISN

B. Test Plots:


(L Phase)

NO.	Fre. (MHz)	Emission Level (dB μ V)		Limit (dB μ V)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1859	54.81	36.17	64.22	54.22	Line	PASS
2	0.2670	45.88	30.69	61.21	51.21		PASS
3	0.4562	35.29	25.72	56.76	46.76		PASS
4	0.9428	32.23	24.08	56.00	46.00		PASS
5	2.1513	29.97	22.41	56.00	46.00		PASS
6	4.7199	27.43	19.50	56.00	46.00		PASS



(N Phase)

NO.	Fre. (MHz)	Emission Level (dB μ V)		Limit (dB μ V)		Power-line	Verdict
		Quai-peak	Average	Quai-peak	Average		
1	0.1860	57.44	41.30	64.21	54.21	Neutral	PASS
2	0.2488	49.28	34.48	61.80	51.80		PASS
3	0.3210	41.90	29.38	59.68	49.68		PASS
4	0.6406	32.07	23.15	56.00	46.00		PASS
5	1.2168	32.27	22.68	56.00	46.00		PASS
6	16.8262	24.91	18.00	60.00	50.00		PASS

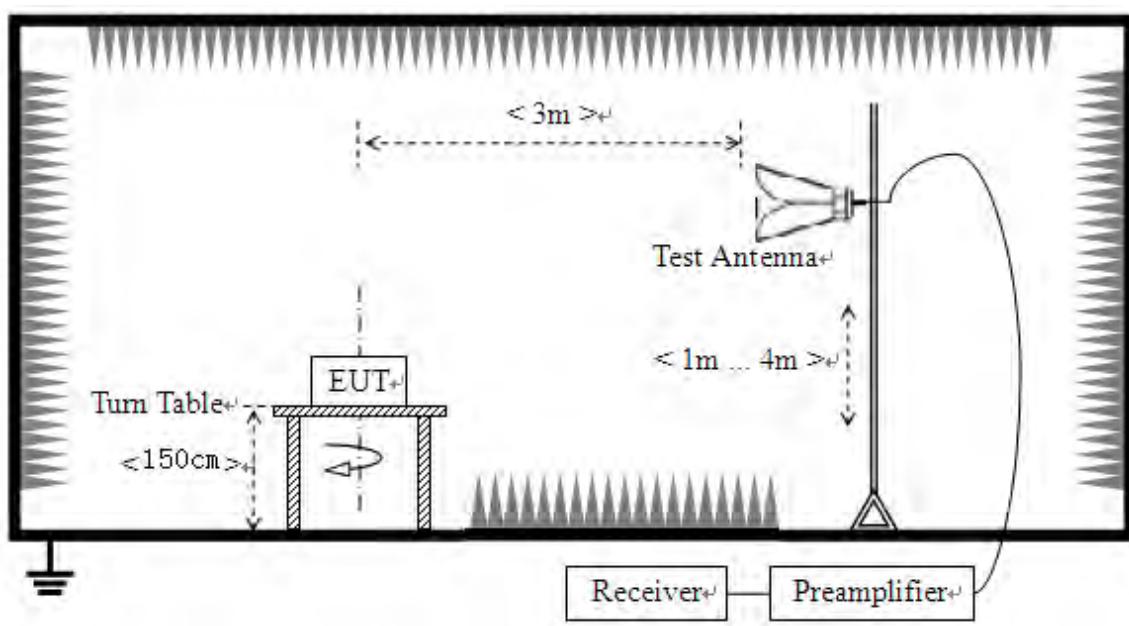
2.8. Restricted Frequency Bands

2.8.1. Requirement

According to FCC section 15.407(b)(7), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power. In addition, radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

2.8.2. Test Description

A. Test Setup



The Module is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.

KDB 789033 Section H) 3)5)6(d)) was used in order to prove compliance

For the Test Antenna:

Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.



2.8.3. Test Result

The lowest and highest channels are tested to verify Restricted Frequency Bands.

The measurement results are obtained as below:

$$E [\text{dB}\mu\text{V}/\text{m}] = U_R + A_T + A_{\text{Factor}} [\text{dB}]; A_T = L_{\text{Cable loss}} [\text{dB}] - G_{\text{preamp}} [\text{dB}]$$

A_T : Total correction Factor except Antenna; U_R : Receiver Reading

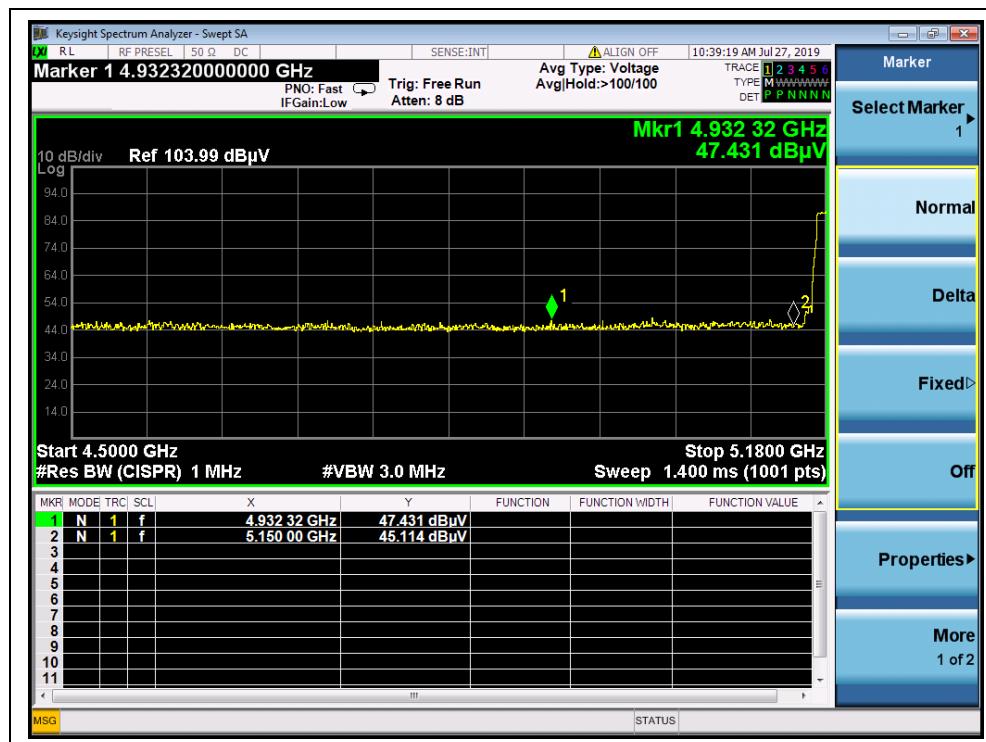
G_{preamp} : Preamplifier Gain; A_{Factor} : Antenna Factor at 3m

Note: Restricted Frequency Bands were performed when antenna was at vertical and horizontal polarity, and only the worse test condition (vertical) was recorded in this test report.

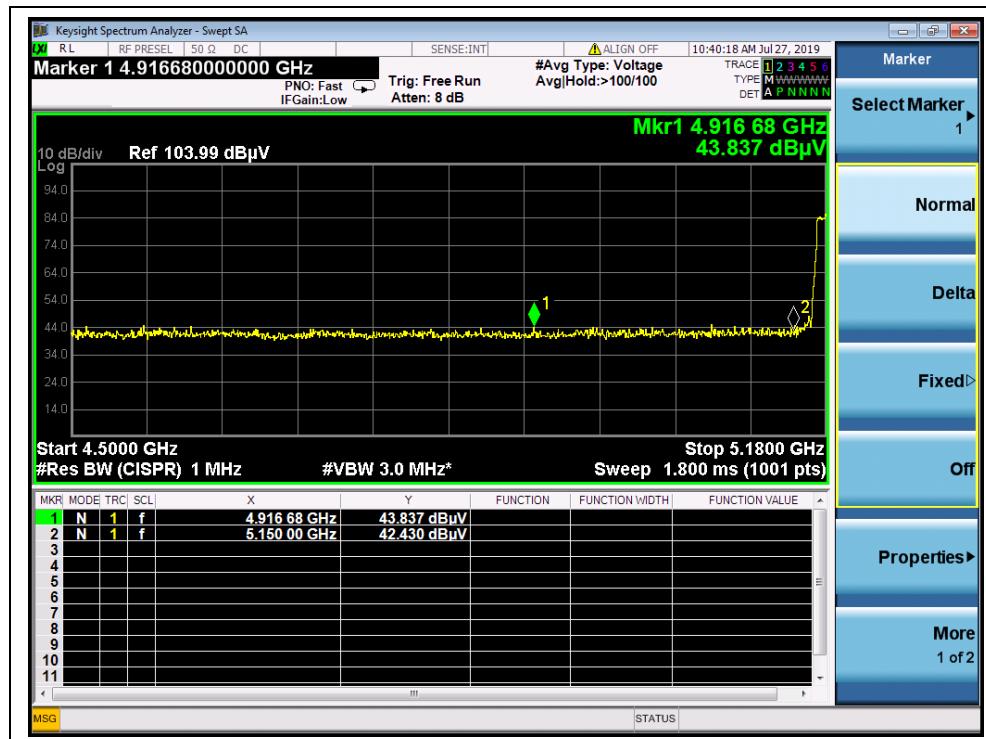
802.11a Test mode

A. Test Verdict:

Channel	Frequency (MHz)	Detector PK/ AV	Receiver Reading U_R (dBuV)	A_T (dB)	A_{Factor} (dB@3m)	Max. Emission E (dB μ V/m)	Limit (dB μ V/m)	Verdict
36	4932.32	PK	47.43	-26.92	32.20	52.71	74	PASS
36	4916.68	AV	43.84	-26.92	32.20	49.12	54	PASS
64	5350.00	PK	42.31	-26.80	32.20	47.71	74	PASS
64	5374.56	AV	43.54	-26.80	32.20	48.94	54	PASS
100	5158.79	PK	47.20	-26.64	32.20	52.76	68.23	PASS
100	5290.88	AV	43.15	-26.64	32.20	48.71	54	PASS
144	5758.70	PK	46.46	-26.64	32.20	52.02	68.23	PASS
144	5762.00	AV	43.73	-26.64	32.20	49.29	54	PASS
149	5700.00	PK	45.86	-26.23	32.20	51.83	105.23	PASS
149	5720.00	AV	43.26	-26.23	32.20	49.23	54	PASS
165	5875.00	PK	44.26	-26.23	32.20	50.23	54.83	PASS
165	5855.00	AV	42.55	-26.23	32.20	48.52	54	PASS

**B. Test Plots:**

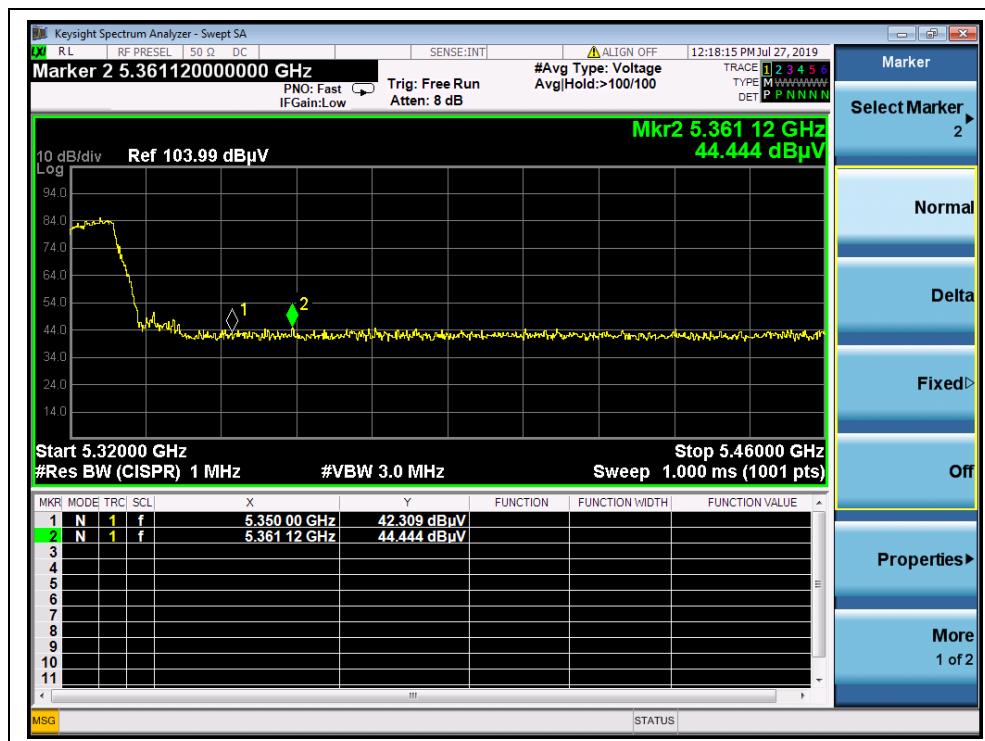
(Channel 36, PEAK, 802.11a)



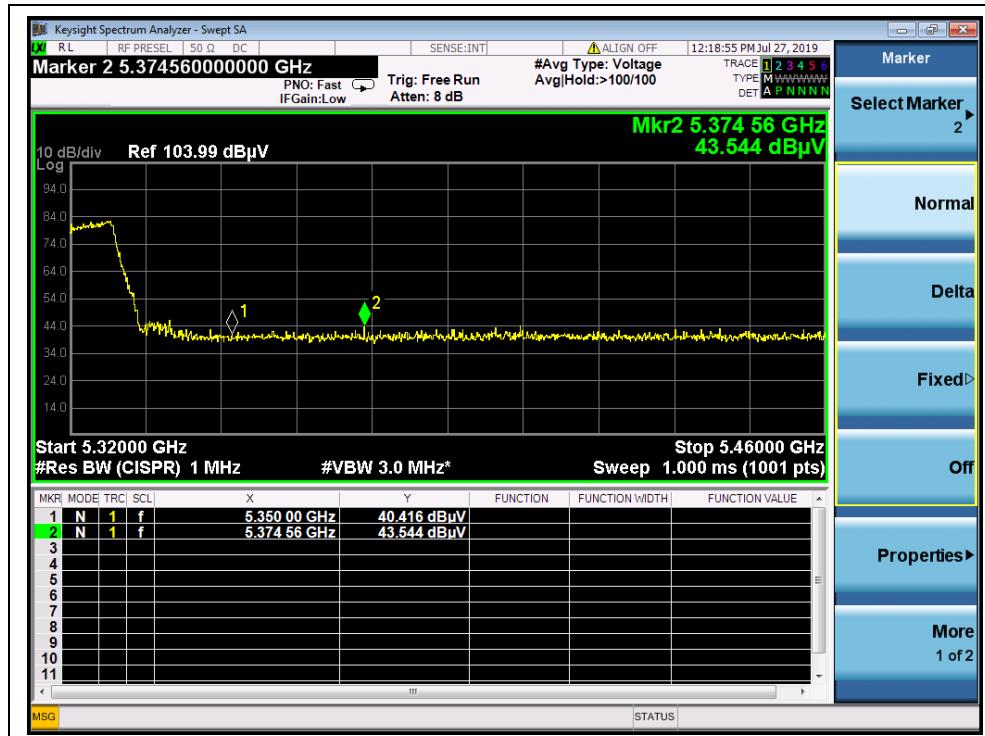
(Channel 36, AVG, 802.11a)



REPORT No.: SZ19050235W04



(Channel 64, PEAK, 802.11a)



(Channel 64, AVG, 802.11a)

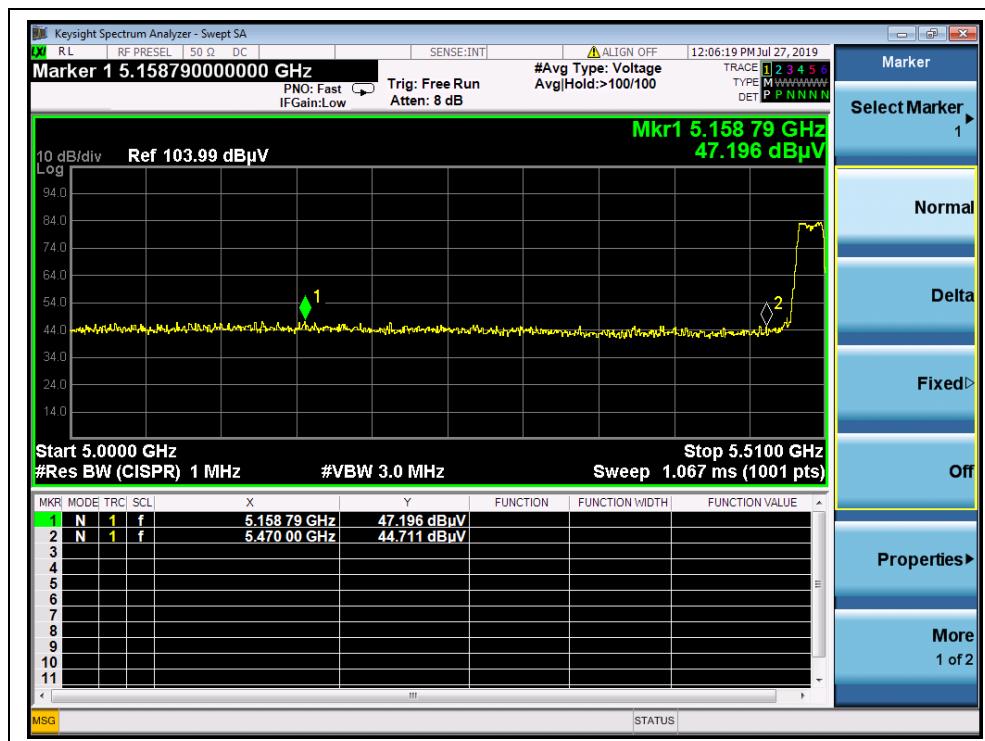
MORLAB

SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.
FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

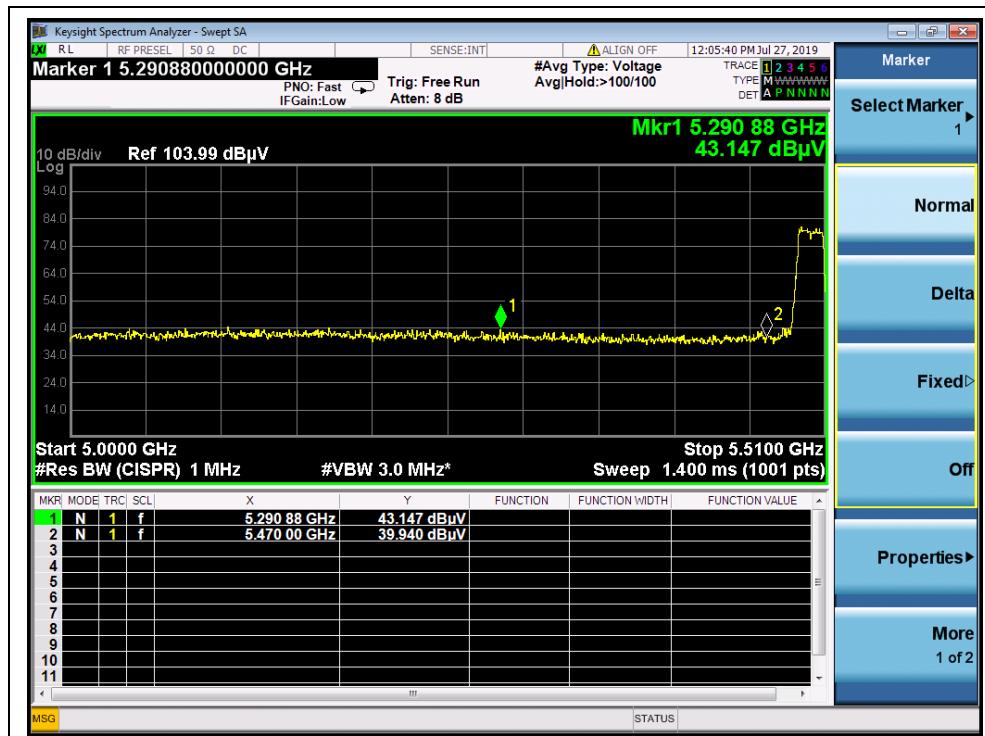
Tel: 86-755-36698555
Fax: 86-755-36698525
Http://www.morlab.cn
E-mail: service@morlab.cn



REPORT No.: SZ19050235W04



(Channel 100, PEAK, 802.11a)



(Channel 100, AVG, 802.11a)

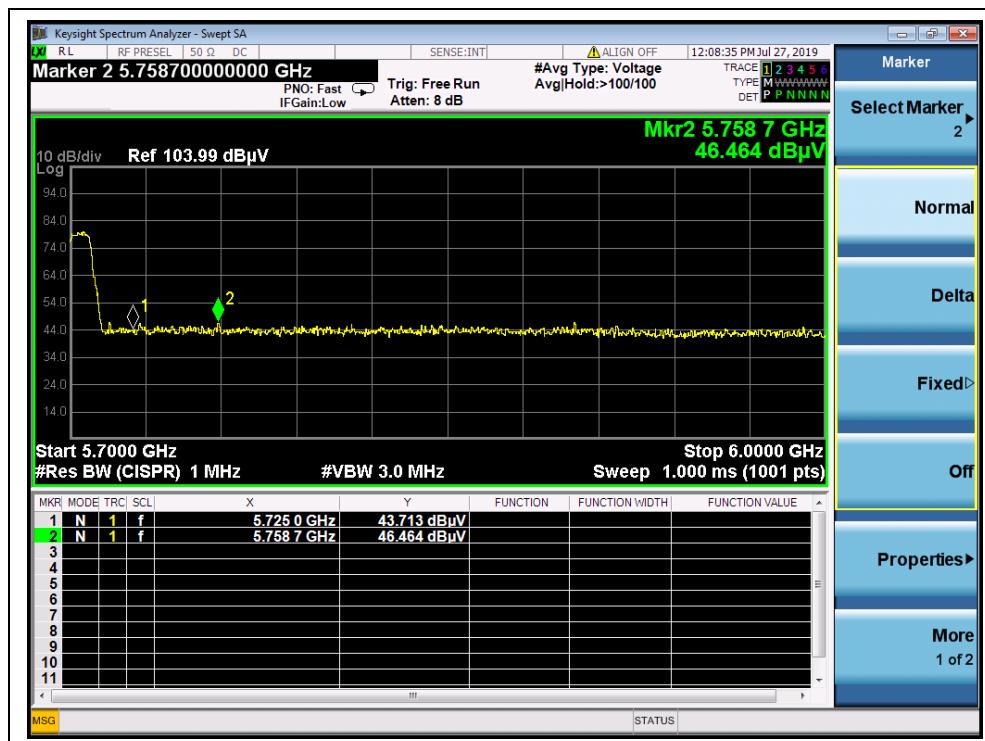
MORLAB

SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.
FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road,
Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

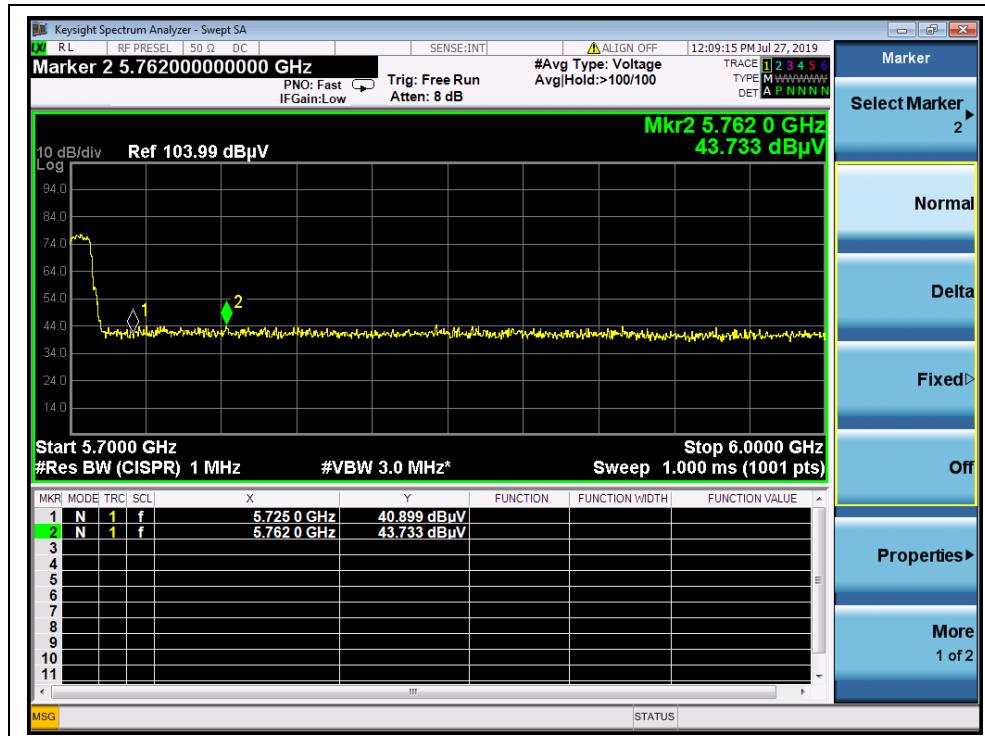
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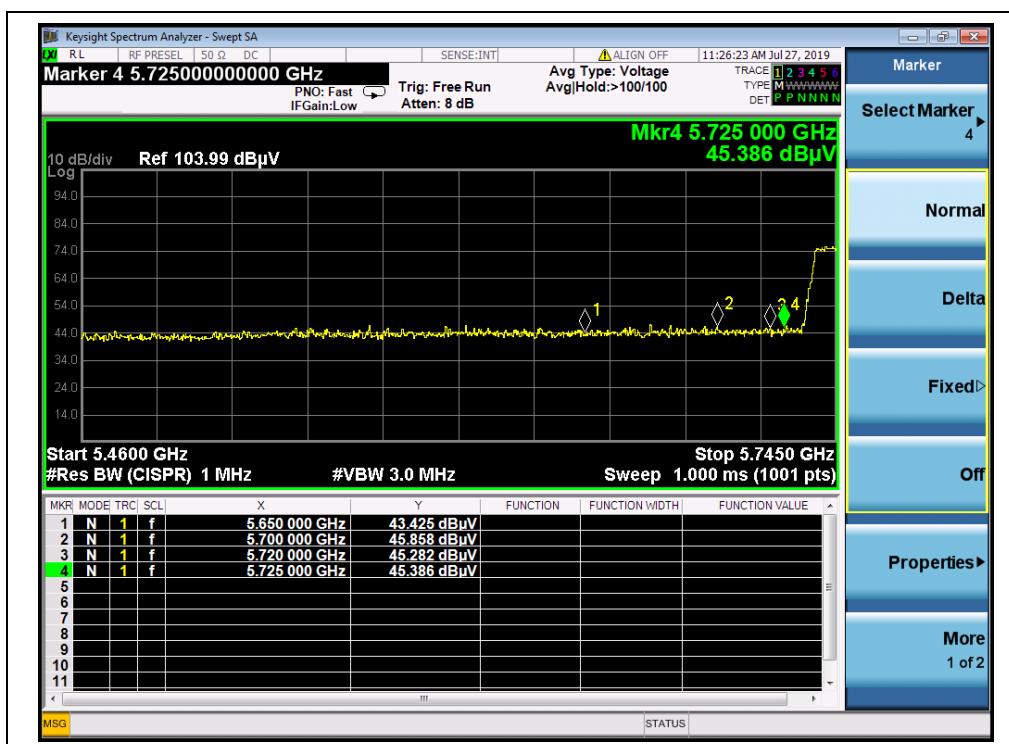
(Channel 144, PEAK, 802.11a)



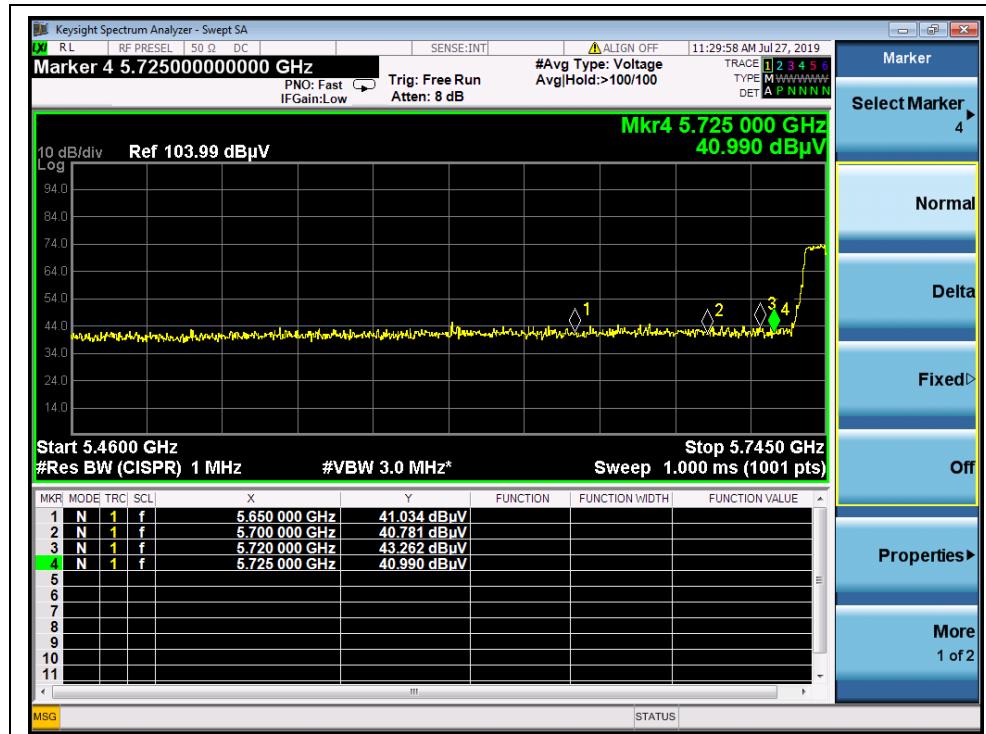
(Channel 144, AVG, 802.11a)



REPORT No.: SZ19050235W04



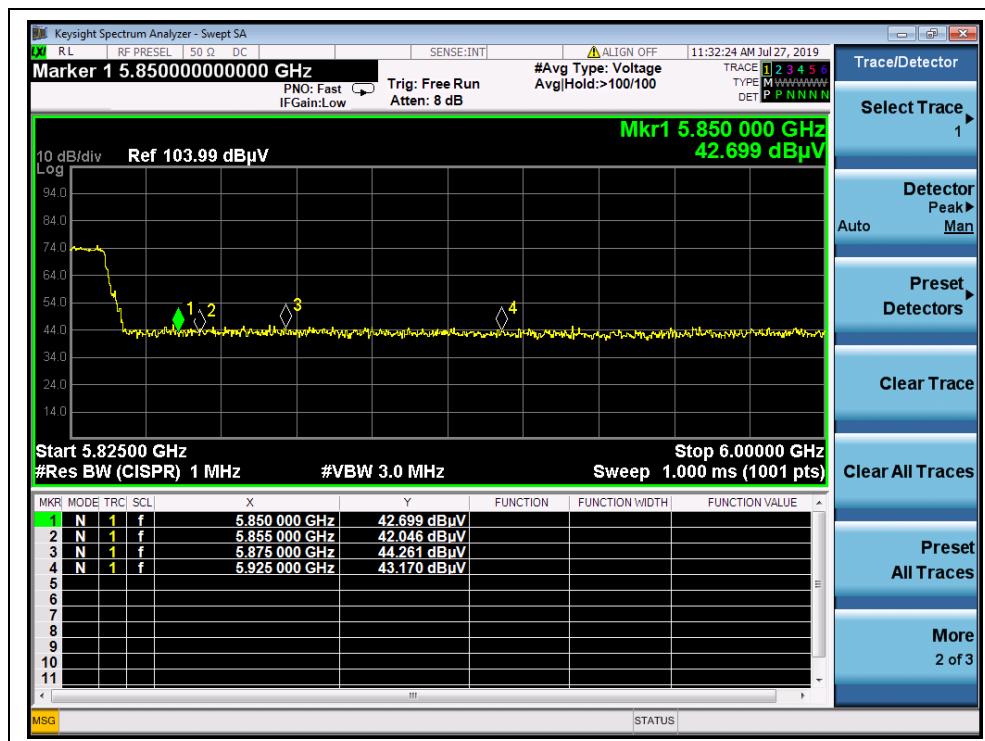
(Channel 149, PEAK, 802.11a)



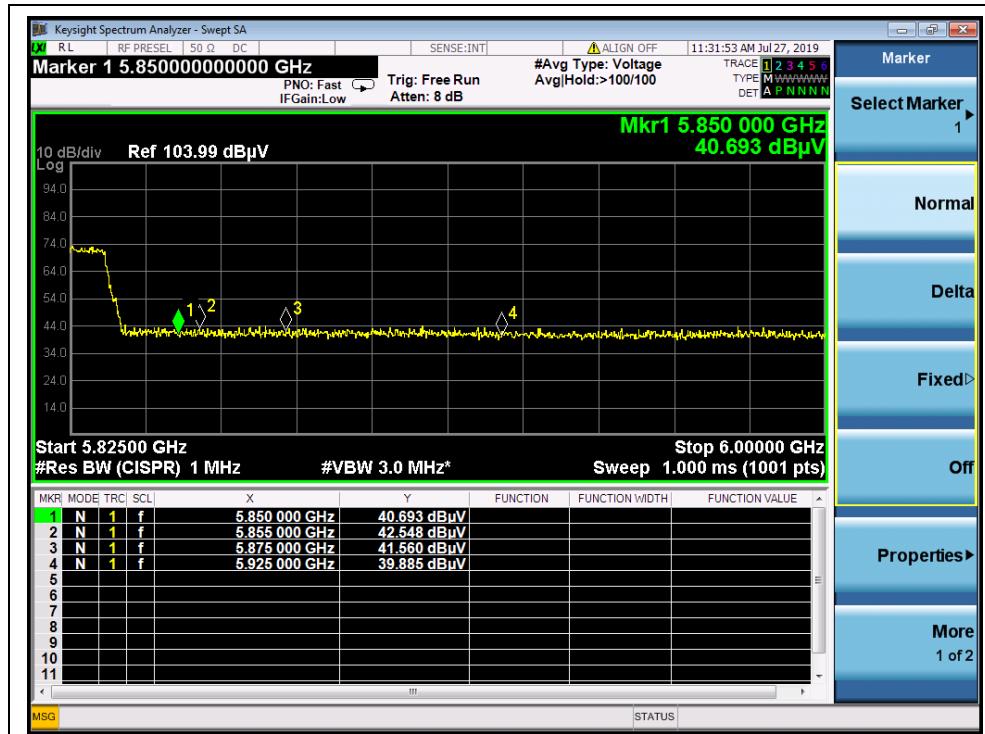
(Channel 149, AVG, 802.11a)



REPORT No.: SZ19050235W04



(Channel 165, PEAK, 802.11a)



(Channel 165, AVG, 802.11a)

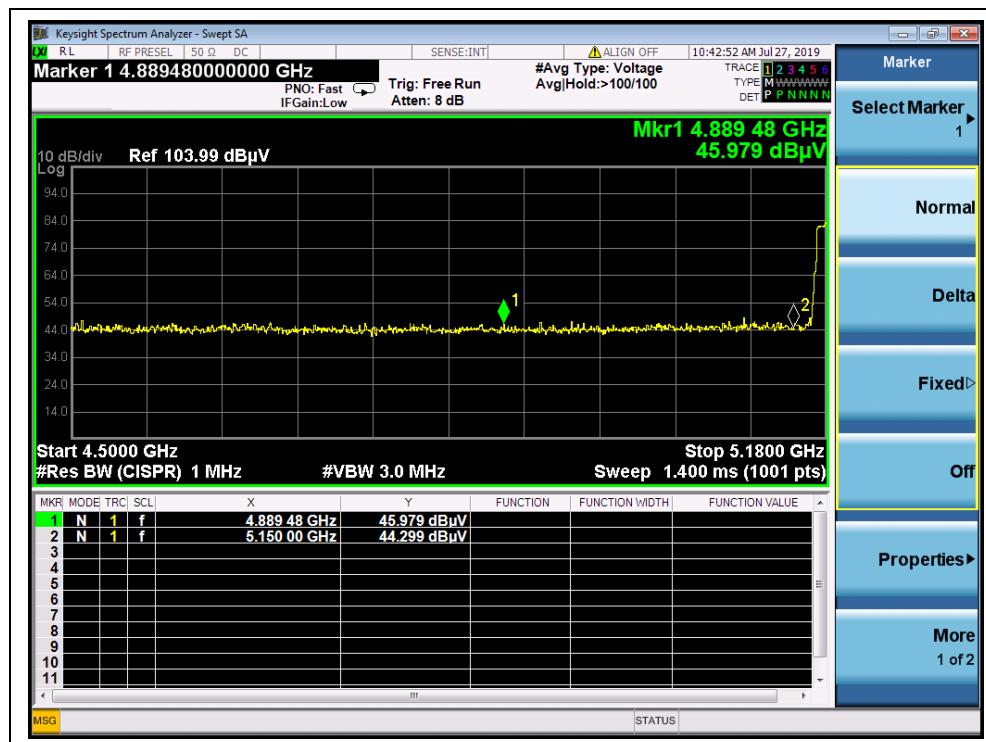


REPORT No.: SZ19050235W04

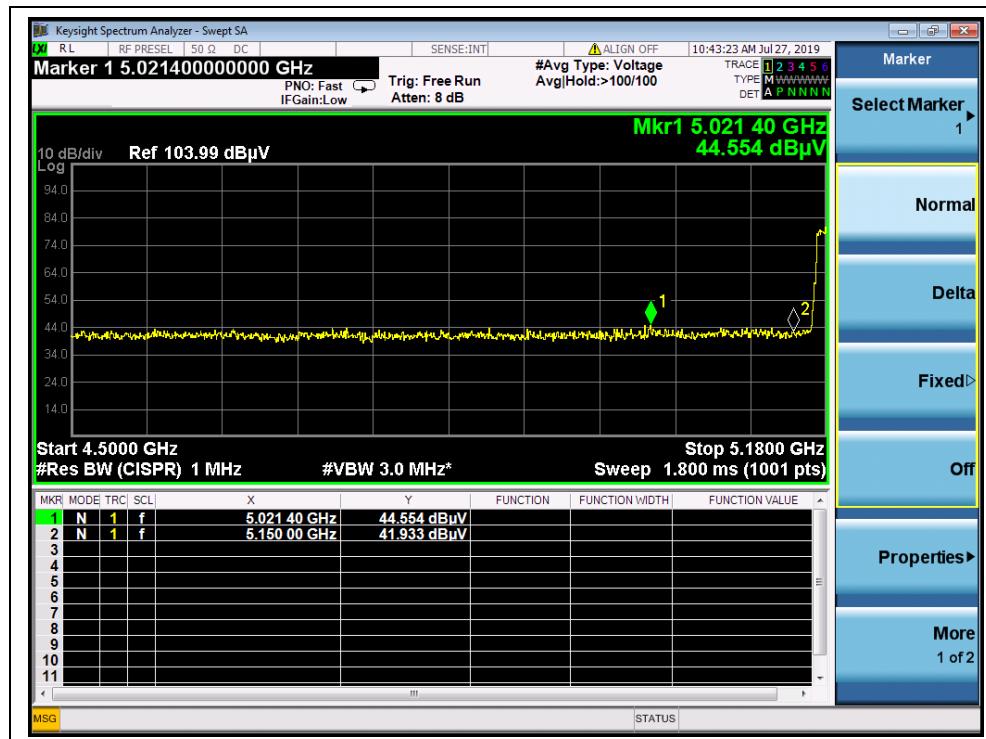
802.11n (HT20) Test mode**A. Test Verdict:**

Channel	Frequency (MHz)	Detector	Receiver	A _T (dB)	A _{Factor} (dB@3m)	Max. Emission E (dBμV/m)	Limit (dBμV/m)	Verdict
			U _R (dBuV)					
36	4889.48	PK	45.98	-26.92	32.20	51.26	74	PASS
36	5021.40	AV	44.55	-26.92	32.20	49.83	54	PASS
64	5353.56	PK	43.88	-26.80	32.20	49.28	74	PASS
64	5376.52	AV	41.80	-26.80	32.20	47.2	54	PASS
100	5247.53	PK	46.99	-26.64	32.20	52.55	68.23	PASS
100	5299.55	AV	44.05	-26.64	32.20	49.61	54	PASS
144	5758.10	PK	46.01	-26.64	32.20	51.57	68.23	PASS
144	5800.10	AV	44.64	-26.64	32.20	50.2	54	PASS
149	5725.00	PK	44.41	-26.23	32.20	50.38	122.23	PASS
149	5650.00	AV	42.54	-26.23	32.20	48.51	54	PASS
165	5875.00	PK	44.05	-26.23	32.20	50.02	54.83	PASS
165	5850.00	AV	43.48	-26.23	32.20	49.45	54	PASS

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Http://www.morlab.cn E-mail: service@morlab.cn

B. Test Plots:


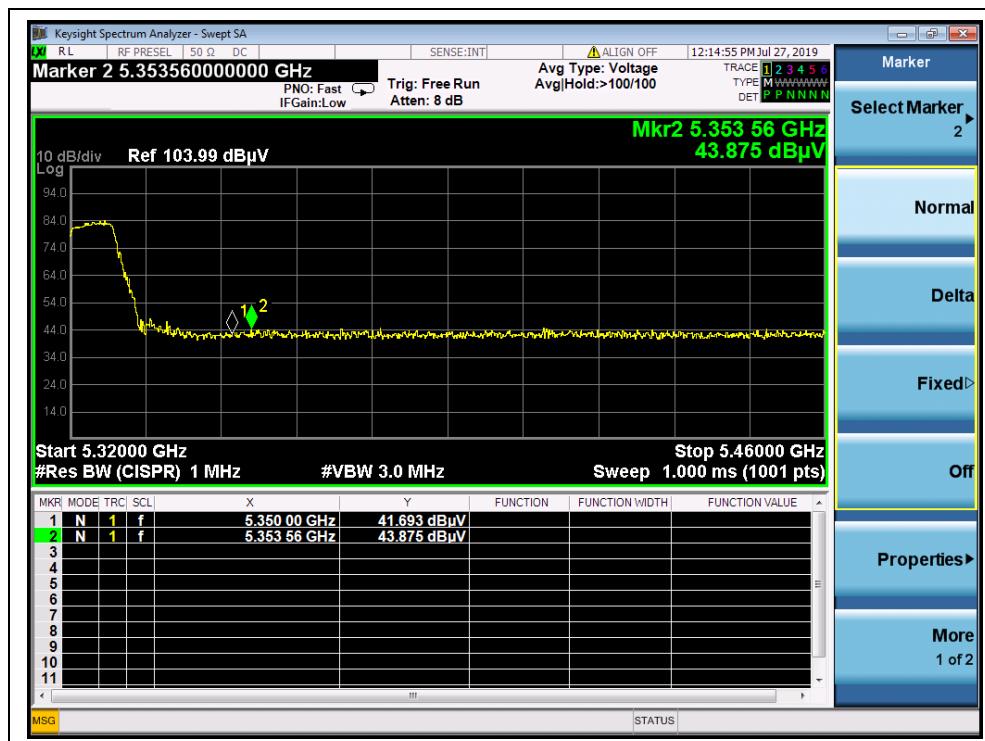
(Channel 36, PEAK, 802.11n (HT20))



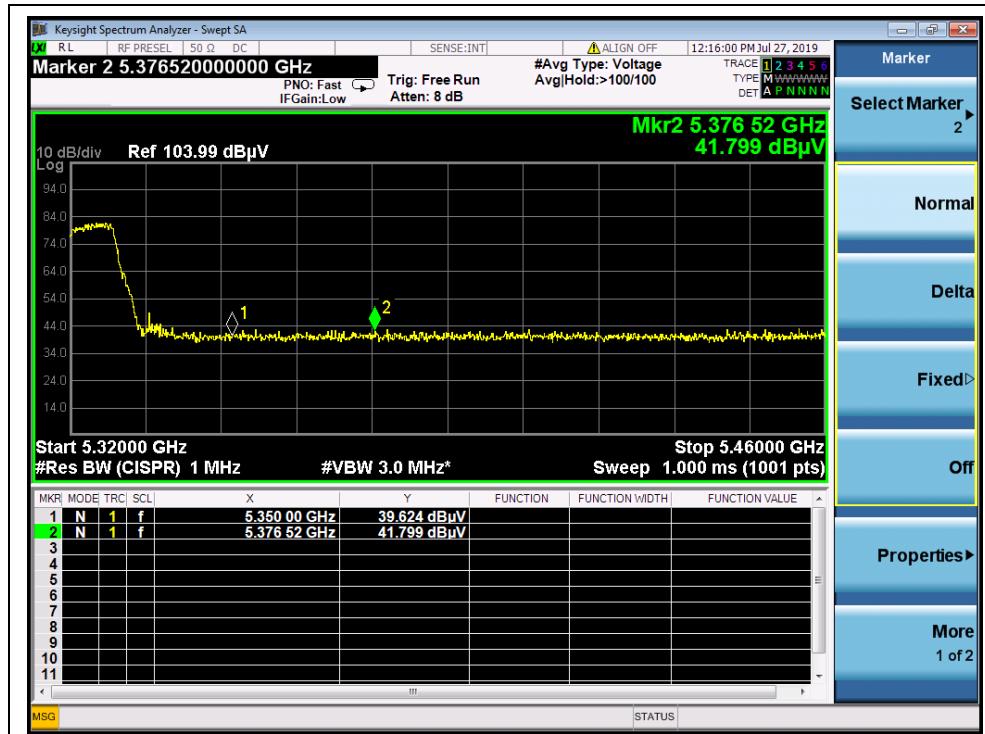
(Channel 36, AVG, 802.11 n (HT20))



REPORT No.: SZ19050235W04



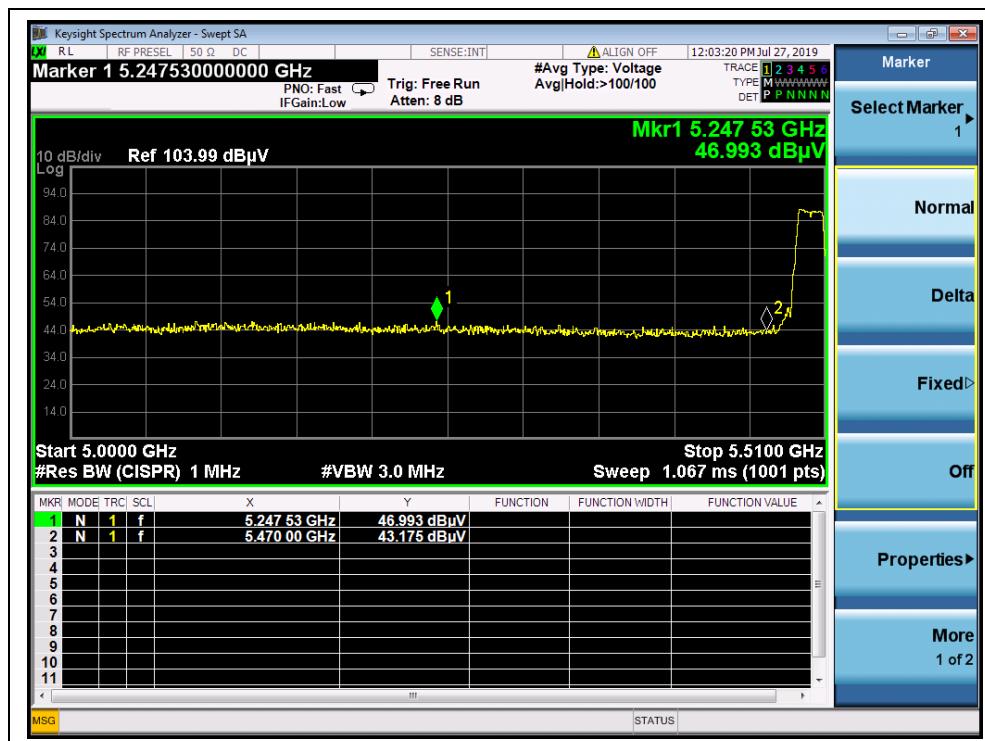
(Channel 64, PEAK, 802.11 n (HT20))



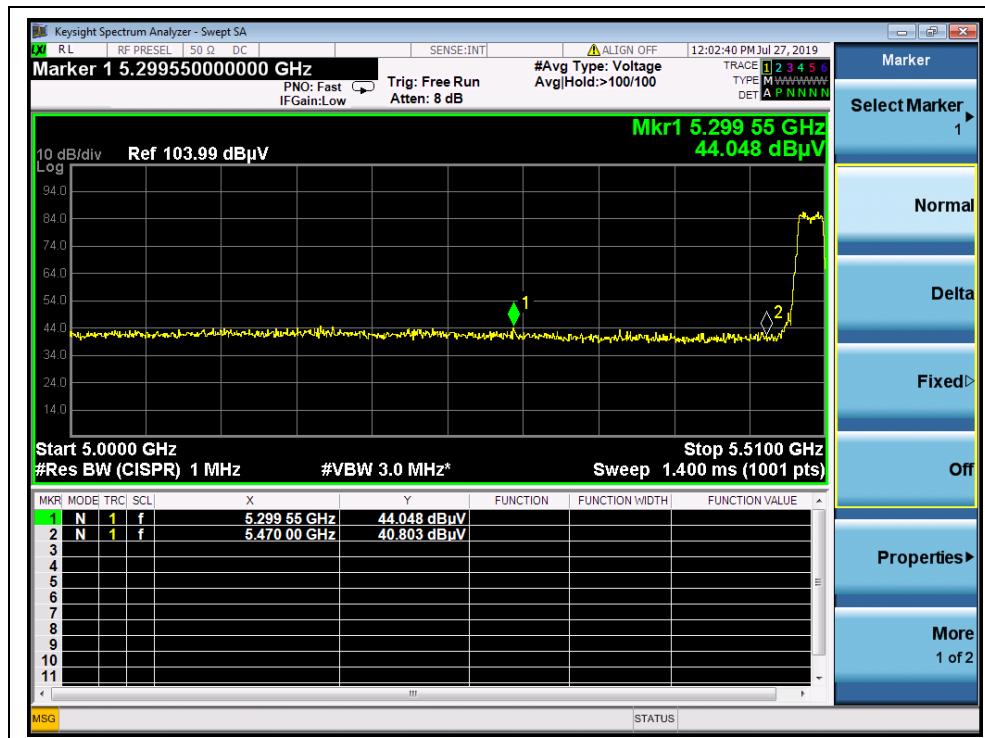
(Channel 64, AVG, 802.11n (HT20))



REPORT No.: SZ19050235W04



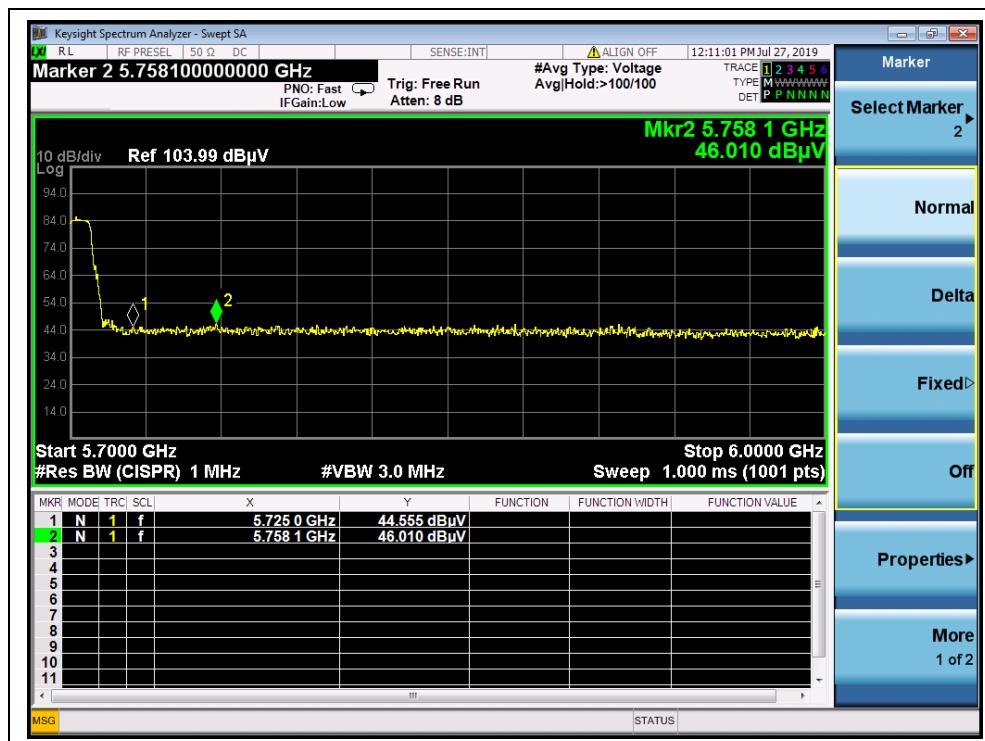
(Channel 100, PEAK, 802.11 n (HT20))



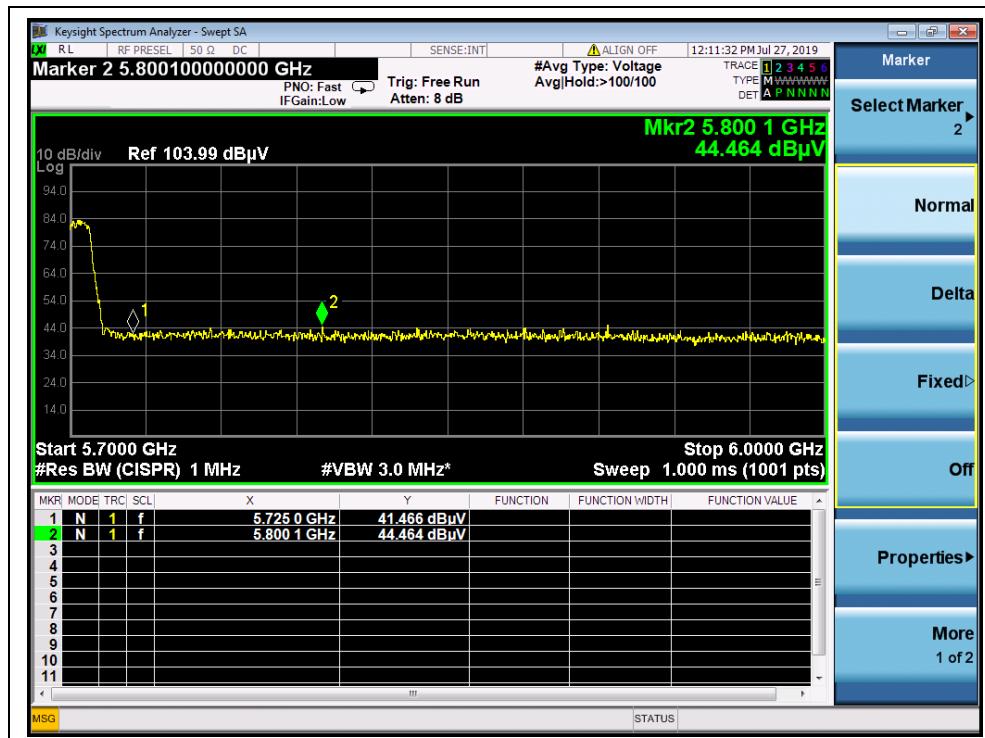
(Channel 100, AVG, 802.11n (HT20))



REPORT No.: SZ19050235W04



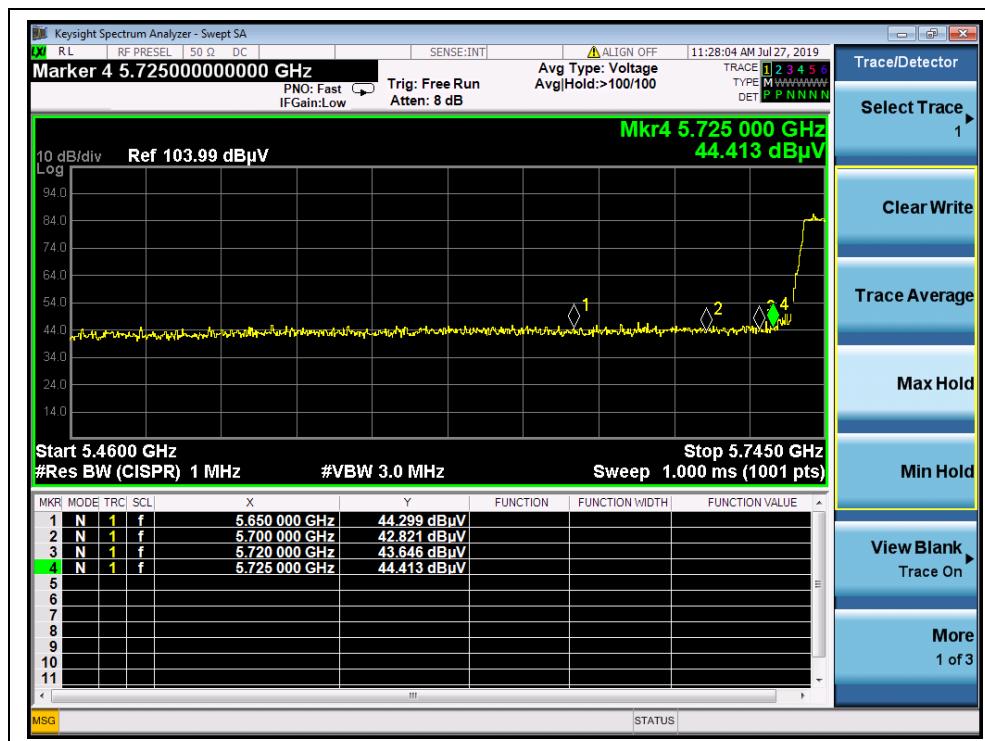
(Channel 144, PEAK, 802.11 n (HT20))



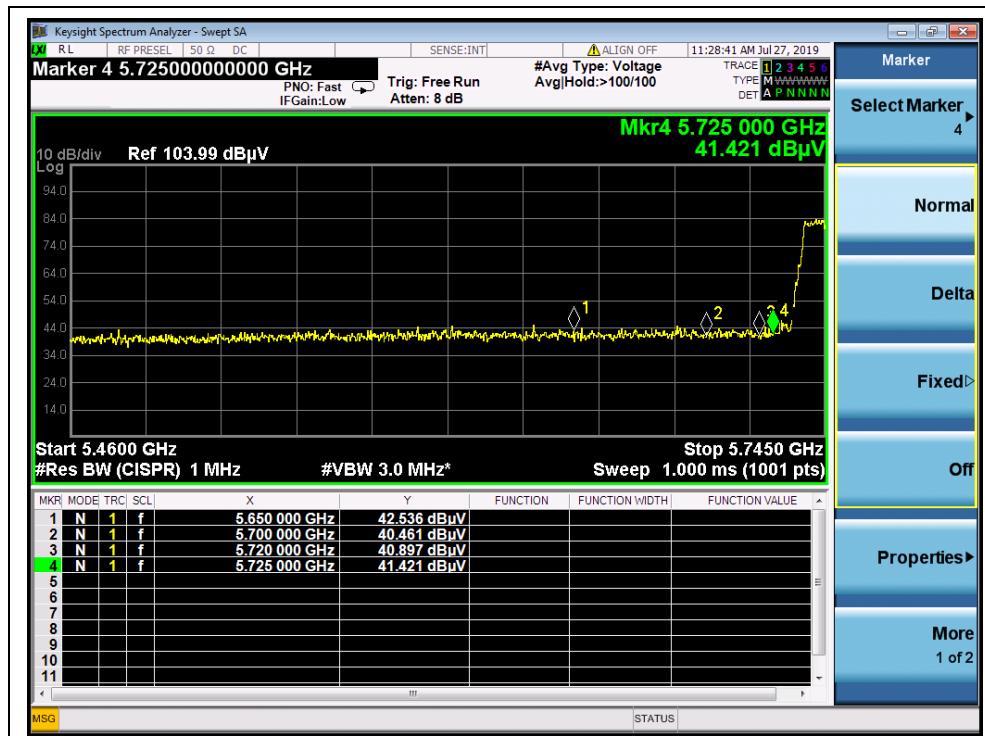
(Channel 144, AVG, 802.11n (HT20))



REPORT No.: SZ19050235W04



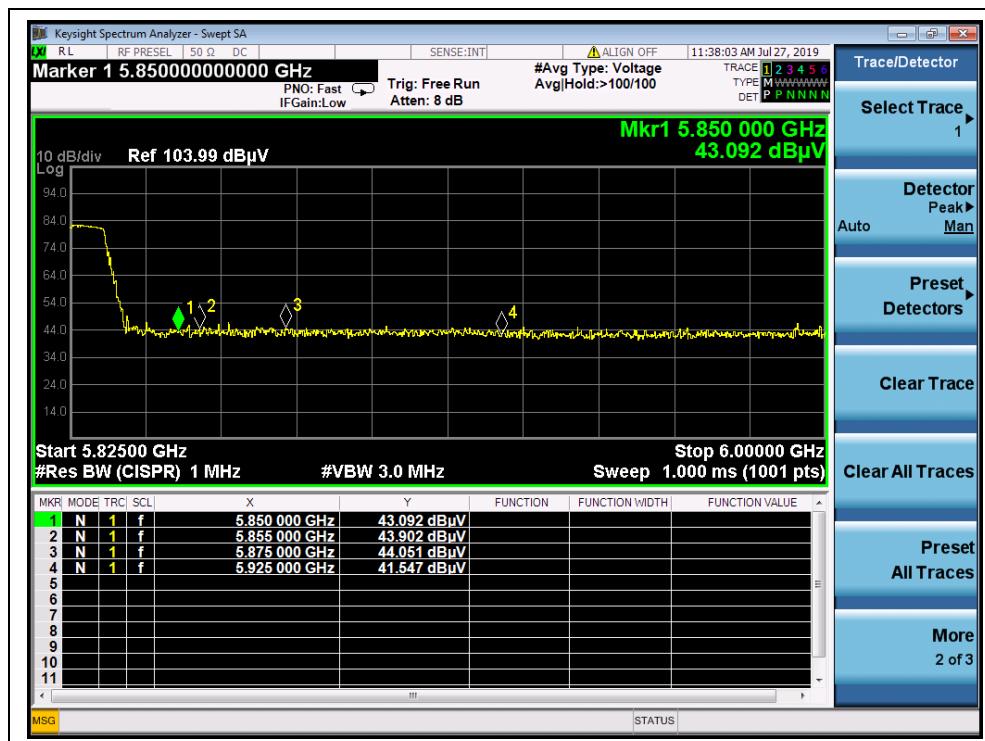
(Channel 149, PEAK, 802.11 n (HT20))



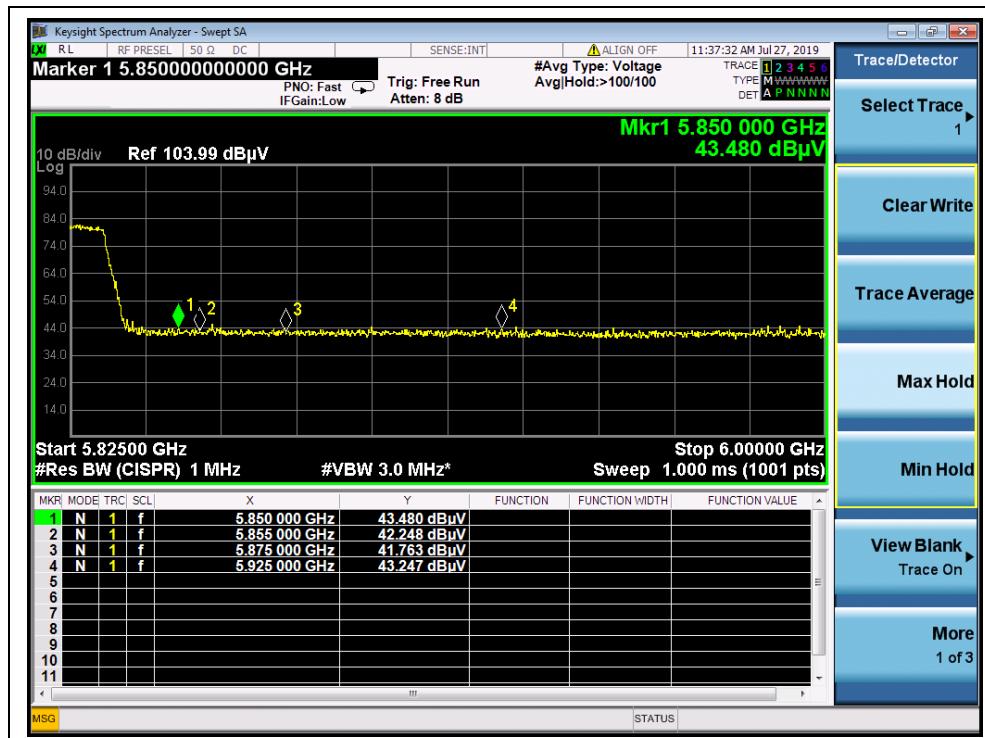
(Channel 149, AVG, 802.11n (HT20))



REPORT No.: SZ19050235W04



(Channel 165, PEAK, 802.11 n (HT20))



(Channel 165, AVG, 802.11n (HT20))