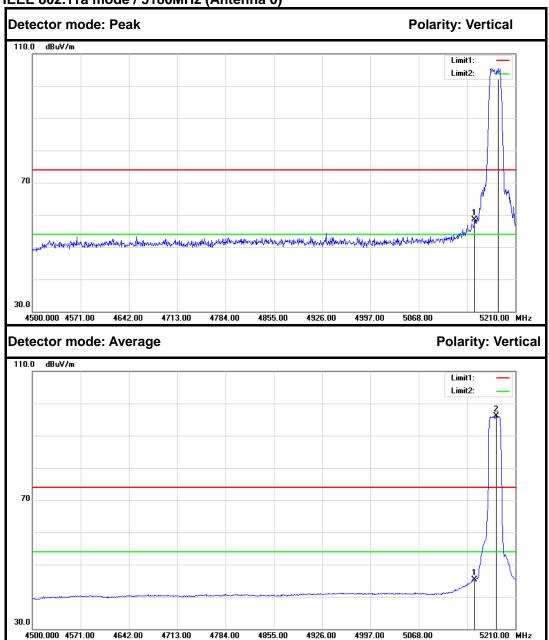
**I) INC.** Report No.: C170503Z01-RP1-4

**Test Plot** 

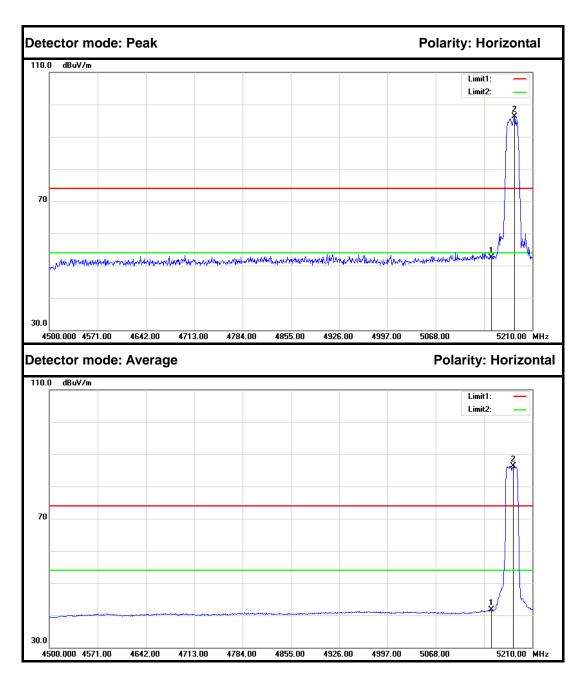
## IEEE 802.11a mode / 5180MHz (Antenna 0)



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5150.000	53.16	5.25	58.41	74.00	-15.59	Peak	Vertical
2	5184.440	100.14	5.31	105.45			Peak	Vertical
1	5150.000	40.13	5.25	45.38	54.00	-8.62	Average	Vertical
2	5182.310	90.85	5.30	96.15			Average	Vertical

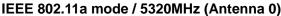
FCC ID: H79-017CF2

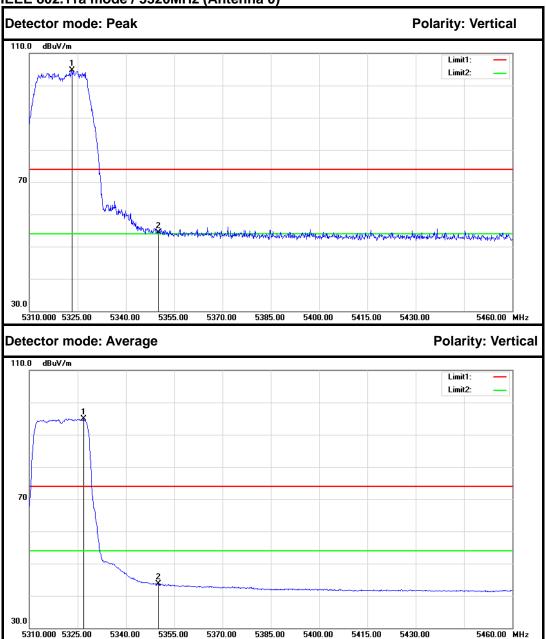
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No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5150.000	47.16	5.25	52.41	74.00	-21.59	Peak	Horizontal
2	5183.730	90.91	5.31	96.22			Peak	Horizontal
1	5150.000	36.41	5.25	41.66	54.00	-12.34	Average	Horizontal
2	5182.310	80.98	5.30	86.28			Average	Horizontal

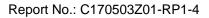
FCC ID: H79-017CF2 Page 82 / 260

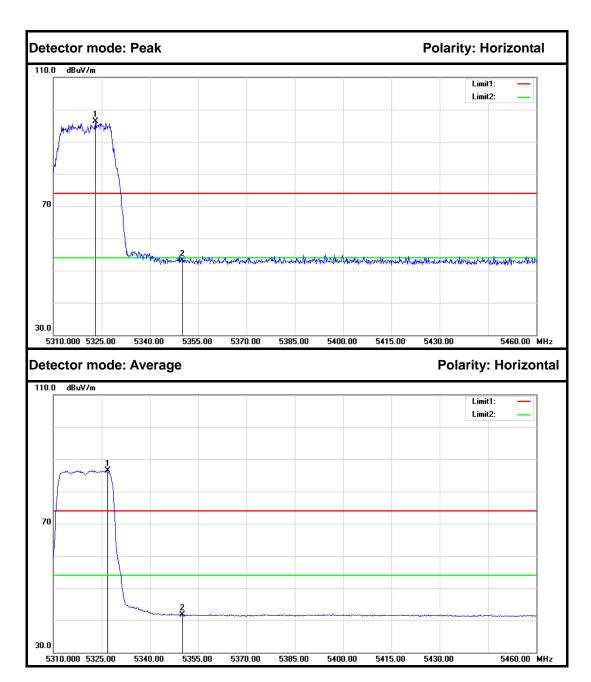




No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5323.200	99.10	5.56	104.66			Peak	Vertical
2	5350.000	48.60	5.60	54.20	74.00	-19.80	Peak	Vertical
1	5326.800	89.41	5.56	94.97			Average	Vertical
2	5350.000	38.05	5.60	43.65	54.00	-10.35	Average	Vertical

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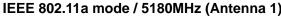


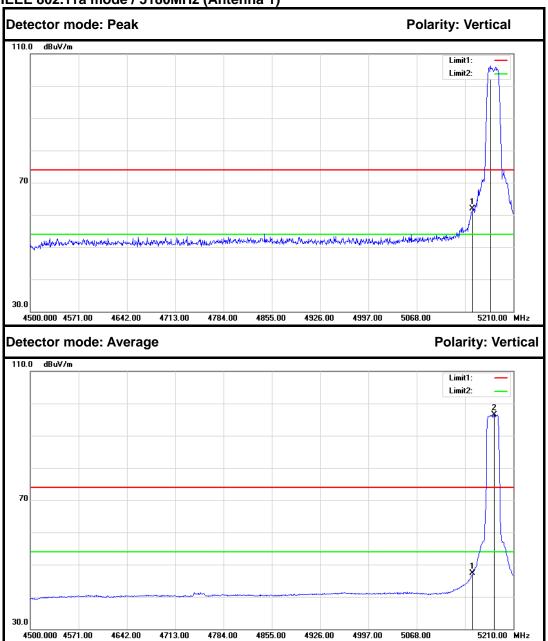
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5323.050	90.74	5.56	96.30			Peak	Horizontal
2	5350.000	47.41	5.60	53.01	74.00	-20.99	Peak	Horizontal
1	5326.800	80.96	5.56	86.52			Average	Horizontal
2	5350.000	36.13	5.60	41.73	54.00	-12.27	Average	Horizontal

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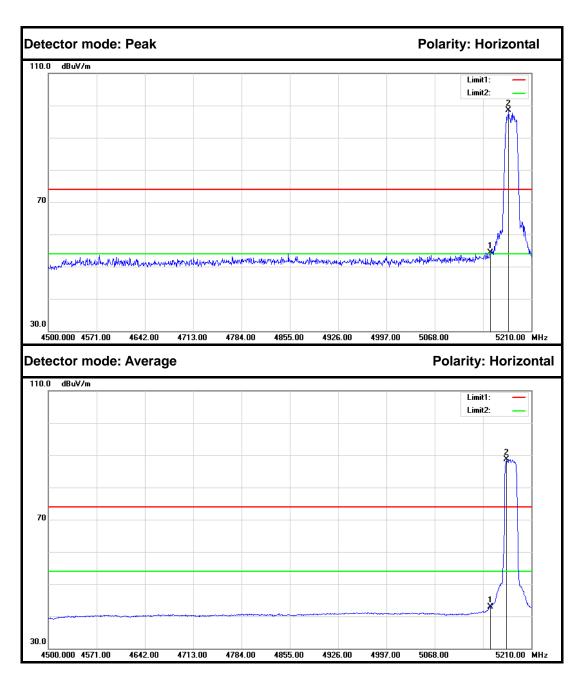
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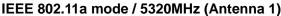
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5150.000	56.70	5.25	61.95	74.00	-12.05	Peak	Vertical
2	5176.630	101.08	5.29	106.37			Peak	Vertical
1	5150.000	42.09	5.25	47.34	54.00	-6.66	Average	Vertical
2	5182.310	91.18	5.30	96.48			Average	Vertical

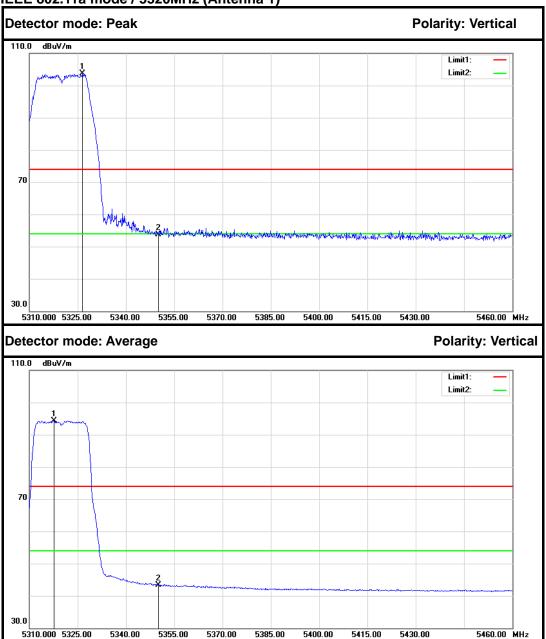
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No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5150.000	48.99	5.25	54.24	74.00	-19.76	Peak	Horizontal
2	5176.630	93.14	5.29	98.43			Peak	Horizontal
1	5150.000	37.68	5.25	42.93	54.00	-11.07	Average	Horizontal
2	5173.080	83.38	5.29	88.67			Average	Horizontal

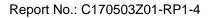
FCC ID: H79-017CF2 Page 86 / 260
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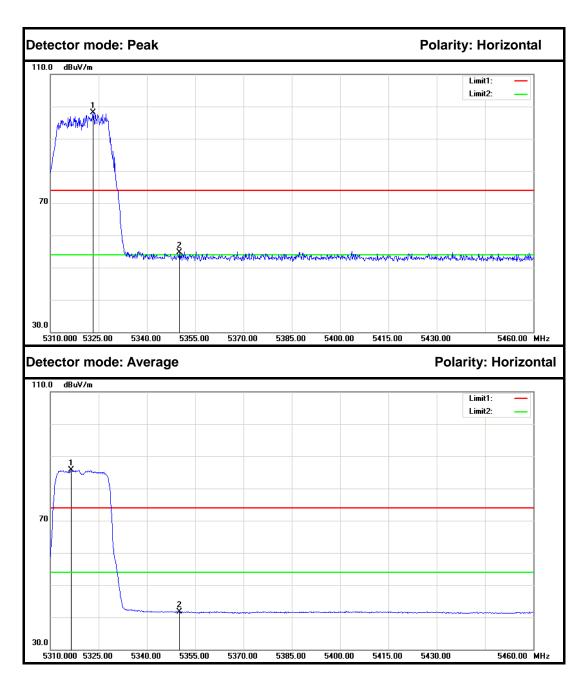




No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5326.500	98.09	5.56	103.65			Peak	Vertical
2	5350.000	48.16	5.60	53.76	74.00	-20.24	Peak	Vertical
1	5317.650	88.82	5.55	94.37			Average	Vertical
2	5350.000	37.77	5.60	43.37	54.00	-10.63	Average	Vertical

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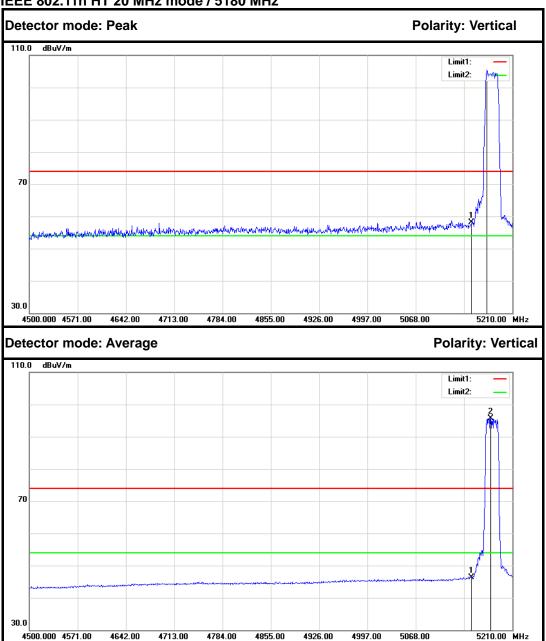




No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5323.200	92.50	5.56	98.06			Peak	Horizontal
2	5350.000	49.12	5.60	54.72	74.00	-19.28	Peak	Horizontal
1	5316.450	80.10	5.54	85.64			Average	Horizontal
2	5350.000	36.05	5.60	41.65	54.00	-12.35	Average	Horizontal

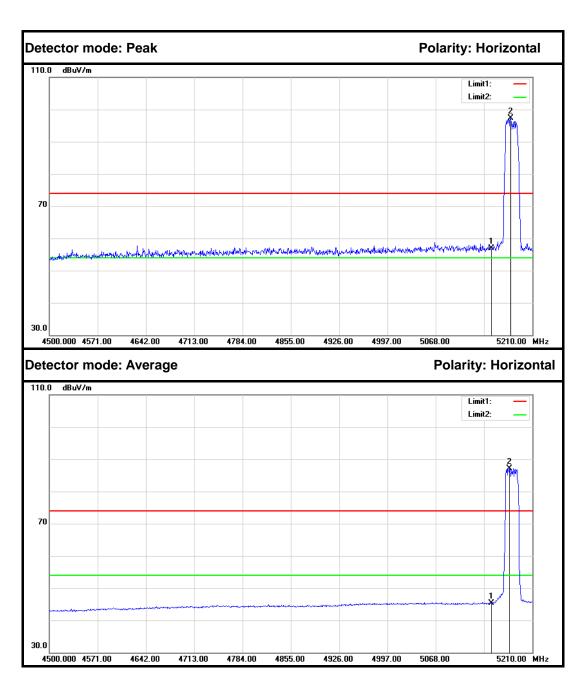
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# Combine with Antenna 0 and Antenna 1 IEEE 802.11n HT 20 MHz mode / 5180 MHz



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5150.000	52.86	5.25	58.11	74.00	-15.89	Peak	Vertical
2	5172.370	100.14	5.29	105.43			Peak	Vertical
1	5150.000	41.01	5.25	46.26	54.00	-7.74	Average	Vertical
2	5178.050	90.48	5.30	95.78			Average	Vertical

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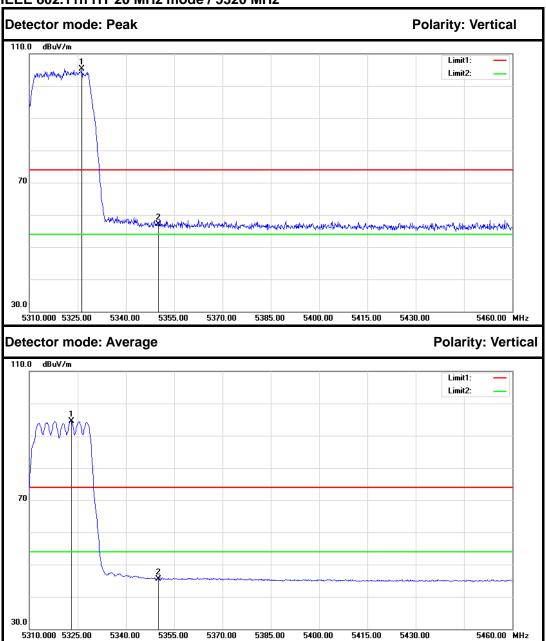
No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5150.000	51.63	5.25	56.88	74.00	-17.12	Peak	Horizontal
2	5178.050	91.98	5.30	97.28			Peak	Horizontal
1	5150.000	40.04	5.25	45.29	54.00	-8.71	Average	Horizontal
2	5176.630	81.90	5.29	87.19			Average	Horizontal

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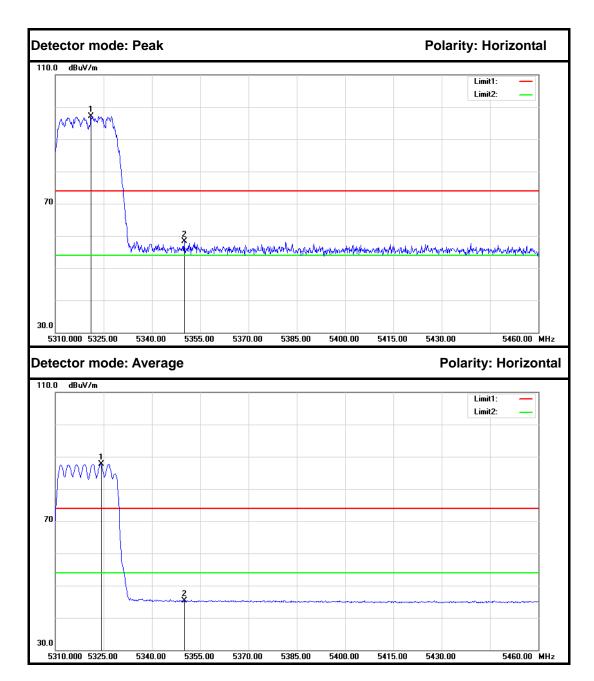
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## IEEE 802.11n HT 20 MHz mode / 5320 MHz



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5326.350	99.81	5.56	105.37			Peak	Vertical
2	5350.000	51.53	5.60	57.13	74.00	-16.87	Peak	Vertical
1	5323.050	88.98	5.56	94.54			Average	Vertical
2	5350.000	39.99	5.60	45.59	54.00	-8.41	Average	Vertical

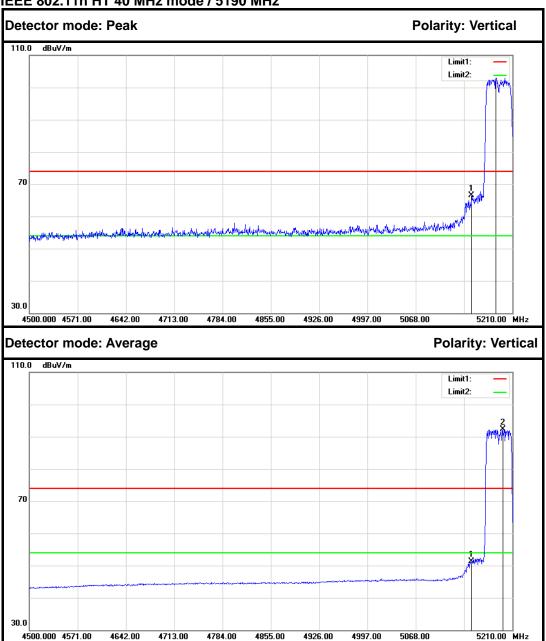
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No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5321.100	91.52	5.55	97.07			Peak	Horizontal
2	5350.000	52.67	5.60	58.27	74.00	-15.73	Peak	Horizontal
1	5324.250	82.20	5.56	87.76			Average	Horizontal
2	5350.000	39.63	5.60	45.23	54.00	-8.77	Average	Horizontal

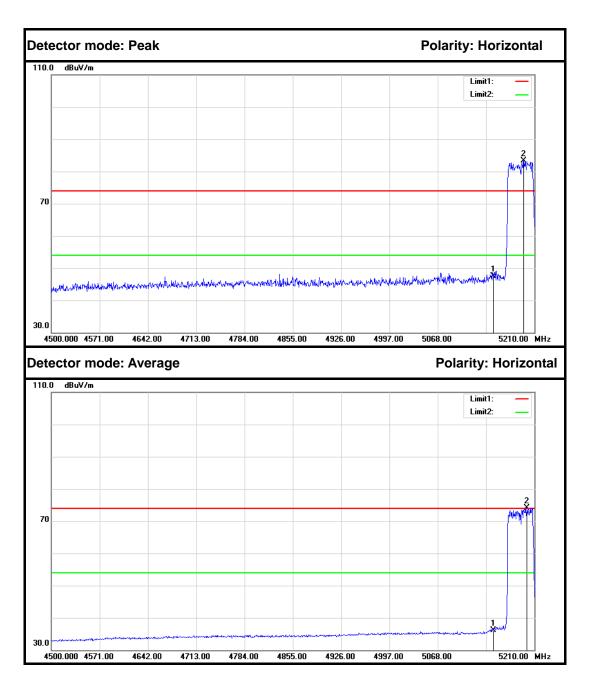
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## IEEE 802.11n HT 40 MHz mode / 5190 MHz



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5150.000	61.28	5.25	66.53	74.00	-7.47	Peak	Vertical
2	5185.860	97.53	5.31	102.84			Peak	Vertical
1	5150.000	46.12	5.25	51.37	54.00	-2.63	Average	Vertical
2	5195.800	86.92	5.33	92.25			Average	Vertical

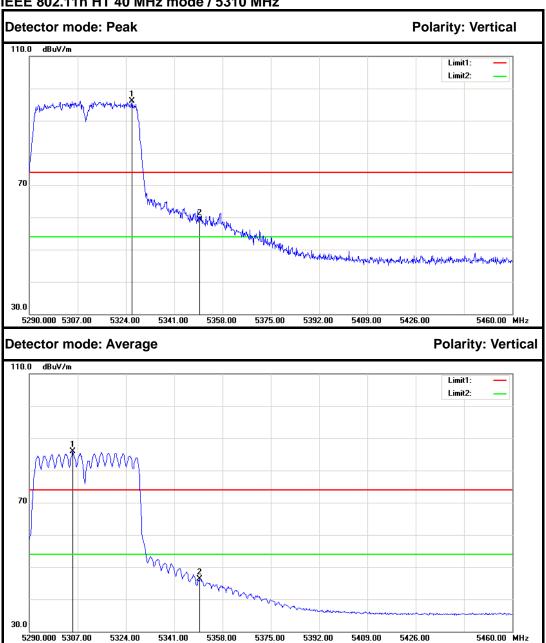
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No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5150.000	42.25	5.25	47.50	74.00	-26.50	Peak	Horizontal
2	5194.380	78.02	5.33	83.35			Peak	Horizontal
1	5150.000	30.87	5.25	36.12	54.00	-17.88	Average	Horizontal
2	5199.350	68.84	5.33	74.17			Average	Horizontal

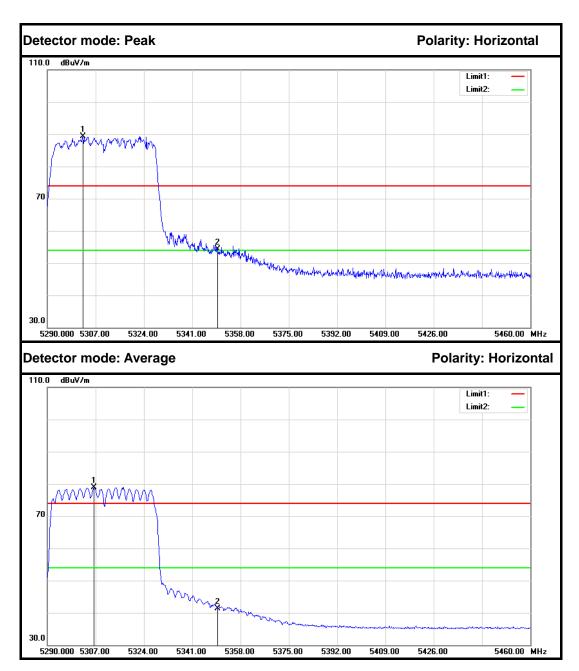
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## IEEE 802.11n HT 40 MHz mode / 5310 MHz



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5326.040	90.50	5.56	96.06			Peak	Vertical
2	5350.000	53.71	5.60	59.31	74.00	-14.69	Peak	Vertical
1	5305.300	80.30	5.52	85.82			Average	Vertical
2	5350.000	40.65	5.60	46.25	54.00	-7.75	Average	Vertical

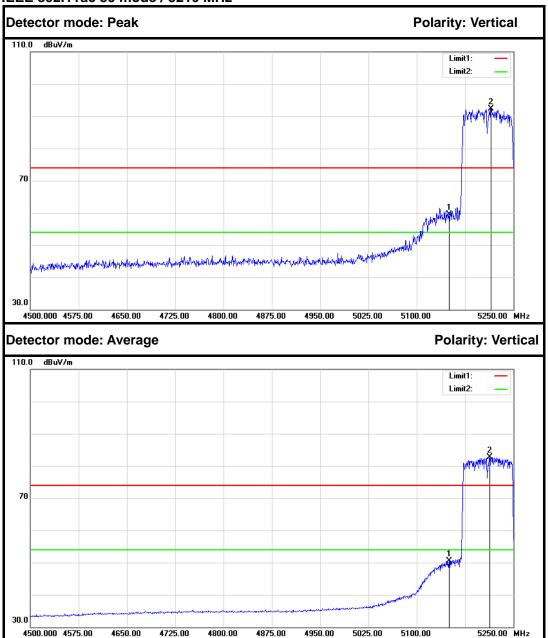
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No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5302.580	83.79	5.52	89.31			Peak	Horizontal
2	5350.000	48.78	5.60	54.38	74.00	-19.62	Peak	Horizontal
1	5306.490	73.39	5.53	78.92			Average	Horizontal
2	5350.000	35.63	5.60	41.23	54.00	-12.77	Average	Horizontal

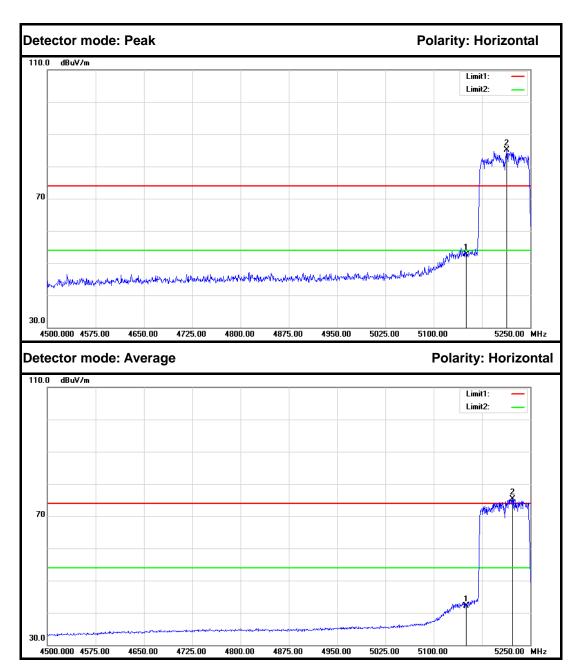
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## IEEE 802.11ac 80 mode / 5210 MHz



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5150.000	54.24	5.25	59.49	74.00	-14.51	Peak	Vertical
2	5215.500	87.04	5.36	92.40			Peak	Vertical
1	5150.000	45.28	5.25	50.53	54.00	-3.47	Average	Vertical
2	5213.250	77.31	5.36	82.67			Average	Vertical

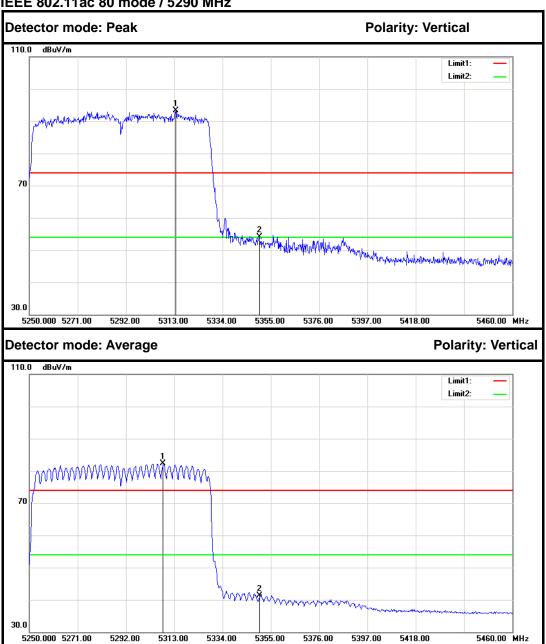
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No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5150.000	47.45	5.25	52.70	74.00	-21.30	Peak	Horizontal
2	5213.250	79.67	5.36	85.03			Peak	Horizontal
1	5150.000	36.77	5.25	42.02	54.00	-11.98	Average	Horizontal
2	5222.250	69.90	5.38	75.28			Average	Horizontal

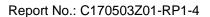
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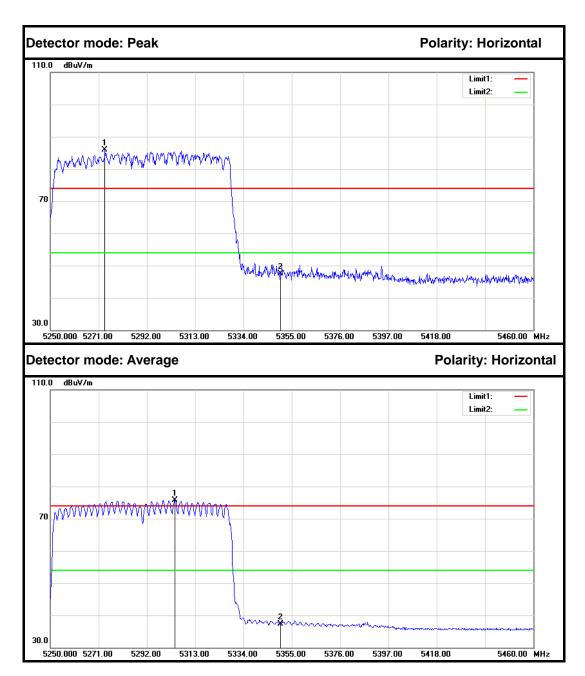
## IEEE 802.11ac 80 mode / 5290 MHz



No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5313.630	87.84	5.54	93.38			Peak	Vertical
2	5350.000	48.44	5.60	54.04	74.00	-19.96	Peak	Vertical
1	5308.170	76.75	5.53	82.28			Average	Vertical
2	5350.000	35.76	5.60	41.36	54.00	-12.64	Average	Vertical

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No.	Frequency (MHz)	Reading (dB)	Factor (dB/m)	Result (dB/m)	Limit (dB/m)	Margin (dB)	Remark	Antenna Polar
1	5273.730	80.35	5.47	85.82			Peak	Horizontal
2	5350.000	41.88	5.60	47.48	74.00	-26.52	Peak	Horizontal
1	5304.180	70.20	5.52	75.72			Average	Horizontal
2	5350.000	31.79	5.60	37.39	54.00	-16.61	Average	Horizontal

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## 6.6 PEAK POWER SPECTAL DENSITY

#### 6.6.1 LIMIT

## According to §15.407(a) & FCC R&O FCC 14-30

- (1) For the band 5.15-5.25 GHz.
- (i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

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- (ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.
- (iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- (2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

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Note to paragraph (a)(3): The Commission strongly recommends that parties employing U-NII devices to provide critical communications services should determine if there are any nearby Government radar systems that could affect their operation.

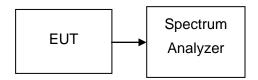
#### 6.6.2 MEASUREMENT EQUIPMENT USED

Name of Equipment	Manufacturer	Model	Serial Number	Last Calibration	Due Calibration
Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2017	02/20/2018

Remark: Each piece of equipment is scheduled for calibration once a year.

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#### 6.6.3 TEST CONFIGURATION



## **6.6.4 TEST PROCEDURE**

- Place the EUT on the table and set it in transmitting mode.
   Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 2. For devices operating in the bands 5.15-5.25 GHz,Set the spectrum analyzer as RBW = 1MHz, VBW = 3MHz, Span > 26dB bandwidth, Sweep=1ms

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- 3. For devices operating in the bands 5.725-5.85 GHz,Set the spectrum analyzer as RBW = 1MHz, VBW = 3MHz, Span > 26dB bandwidth, Sweep=1ms
- 4. Record the max. reading.
- 5. Repeat the above procedure until the measurements for all frequencies are completed

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## 6.6.5 TEST RESULTS

## **Test Data**

Test mode: IEEE 802.11a mode / 5180 ~ 5240MHz

Channel	Frequency (MHz)	/ PPSD (dBm)		Limit (dBm)	Ма	Result	
	(1411 12)	Antenna 0	Antenna 1	(ubiii)	Antenna 0	Antenna 1	
Low	5180	6.999	6.746		-4.001	-4.254	PASS
Mid	5200	7.312	7.139	11	-3.688	-3.861	PASS
High	5240	7.117	5.302		-3.883	-5.698	PASS

Test mode: IEEE 802.11a mode / 5260~ 5320MHz

Channel	Frequency (MHz)		PPSD (dBm)		Margain		Result
	(IVITIZ)	Antenna 0	Antenna 1	(dBm)	Antenna 0	Antenna 1	
Low	5260	6.592	4.869		-4.408	-6.131	PASS
Mid	5300	6.344	5.525	11	-4.656	-5.475	PASS
High	5320	6.318	6.777		-4.682	-4.223	PASS

Test mode: IEEE 802.11a mode / 5500 ~ 5700MHz

Channel	Frequency (dBn		_	Limit (dBm)		Margain	Result	
	(IVITIZ)	Antenna 0	Antenna 1	(ubiii)	Antenna 0	Antenna 1		
Low	5500	5.249	4.565		-5.751	-6.435	PASS	
Mid	5580	4.969	4.202	11	-6.031	-6.798	PASS	
High	5700	5.858	4.289		-5.142	-6.711	PASS	

Test mode: IEEE 802.11a mode / 5745 ~ 5825MHz

Channel	Frequency (MHz)		SD Bm)	Limit	Limit (dBm)		Result
	(1411 12)	Antenna 0	Antenna 1		Antenna 0	Antenna 1	
Low	5745	-3.913	-3.281		-33.913	-33.281	PASS
Mid	5785	-3.580	-2.979	30	-33.580	-32.979	PASS
High	5825	-2.890	-2.758		-32.890	-32.758	PASS

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Test mode: IEEE 802.11n HT 20 MHz mode / 5180 ~ 5240MHz

Channel	Frequency (MHz)	PPSD (dBm)		Total (dBm)	Limit (dBm)	Margain	Result
	(1411 12)	Antenna 0	Antenna 1	(uBili)	(dBiii)		
Low	5180	2.518	1.058	4.859		-6.141	PASS
Mid	5200	2.296	0.536	4.515	11.00	-6.485	PASS
High	5240	0.380	-0.825	2.829		-8.171	PASS

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Test mode: IEEE 802.11n HT 20 MHz mode / 5260~ 5320MHz

Channel	Frequency (dBm)		-	Total (dBm)	Limit (dBm)	Margain	Result
	(IVITIZ)	Antenna 0	Antenna 1	(dBill)	(авііі)		
Low	5260	0.969	-0.282	3.399		-7.601	PASS
Mid	5300	1.157	1.307	4.243	11.00	-6.757	PASS
High	5320	1.460	0.625	4.073		-6.927	PASS

Test mode: IEEE 802.11n HT 20 MHz mode / 5500 ~ 5700MHz

Channel	Frequency (MHz)	PPSD (dBm)		Total (dBm)	Limit (dBm)	Margain	Result
	(IVITIZ)	Antenna 0	Antenna 1	(ubili)	(авііі)		
Low	5500	0.127	0.256	3.202		-7.798	PASS
Mid	5580	1.510	0.094	3.870	11.00	-7.130	PASS
High	5700	1.720	0.363	4.105		-6.895	PASS

Test mode: IEEE 802.11n HT 20 MHz mode / 5745 ~ 5825MHz

Channel	Frequency (MHz)	PPSD (dBm)		Total (dBm)	Limit (dBm)	Margain	Result
	(IVITIZ)	Antenna 0	Antenna 1		(ubili)		
Low	5745	-4.375	-3.697	-1.012		-31.012	PASS
Mid	5785	-3.586	-3.617	-0.591	30.00	-30.591	PASS
High	5825	-3.053	-3.311	-0.170		-30.170	PASS

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## Test mode: IEEE 802.11n HT 40 MHz mode / 5190 ~ 5230MHz

Channel	Frequency (MHz)	PPSD (dBm)		Total (dBm)	Limit (dBm)	Margain	Result
	(1411 12)	Antenna 0	Antenna 1	(dBill)	(dBiii)		
Low	5190	-0.483	0.040	2.797	11.00	-8.203	PASS
High	5230	-1.410	-1.059	1.779	11.00	-9.221	PASS

## Test mode: IEEE 802.11n HT 40 MHz mode / 5270 ~ 5310MHz

Channel	Frequency (MHz)	I (dBm) I I	Limit (dBm)	Margain	Result		
	(141112)	Antenna 0	Antenna 1	(dBiii)	(dBiii)		
Low	5270	-1.551	-0.901	1.796	11.00	-9.204	PASS
High	5310	-0.965	-0.781	2.138	11.00	-8.862	PASS

# Test mode: IEEE 802.11n HT 40 MHz mode / 5510 ~ 5670MHz

Channel	Frequency (MHz)	PPSD (dBm)		Total (dBm)	Limit (dBm)	Margain	Result
	(1411 12)	Antenna 0	Antenna 1	(uBiii)	(dBiii)		
Low	5510	-2.468	-2.509	0.522		-10.478	PASS
Mid	5550	-3.069	-2.563	0.202	11.00	-10.798	PASS
High	5670	-1.576	-0.482	2.016		-8.984	PASS

## Test mode: IEEE 802.11n HT 40 MHz mode / 5755 ~ 5795MHz

Channel	Frequency (MHz)		PSD Bm)	Total (dBm)	* 1 * 1		Result
	(1411 12)	Antenna 0	Antenna 1		(23111)		
Low	5755	-6.226	-6.154	-3.180	30.00	-33.180	PASS
High	5795	-6.223	-5.282	-2.717	30.00	-32.717	PASS

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## Test mode: IEEE 802.11ac 80 mode / 5210MHz

Channel	Frequency (MHz)	PPSD (dBm)		Total (dBm)	Limit (dBm)	Margain	Result
	(141112)	Antenna 0 Antenna 1	Antenna 1	(dBiii)	(dBiii)		
	5210	-4.153	-1.157	0.609	11.00	-10.391	PASS

## Test mode: IEEE 802.11ac 80 mode / 5290MHz

	Channel	Frequency (MHz)	PPSD (dBm)		Total (dBm)	Limit (dBm)	Margain	Result
l			Antenna 0	Antenna 1	(uBiii)	(GBIII)		
I		5290	-4.507	-3.122	-0.749	11.00	-11.749	PASS

## Test mode: IEEE 802.11ac 80 mode / 5530MHz

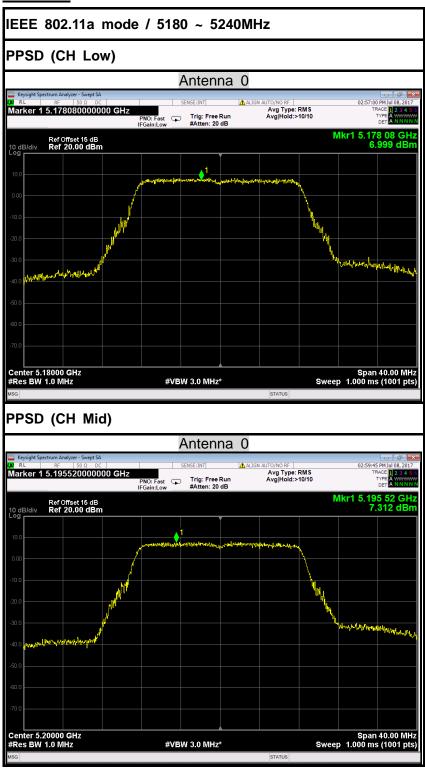
Channel	Frequency (MHz)	PPSD (dBm)		Total (dBm)	Limit (dBm)	Margain	Result
		Antenna 0	Antenna 1	(ubiii)	(dBiii)		
	5530	-5.247	-4.867	-2.043	11.00	-13.043	PASS

## Test mode: IEEE 802.11ac 80 mode / 5775MHz

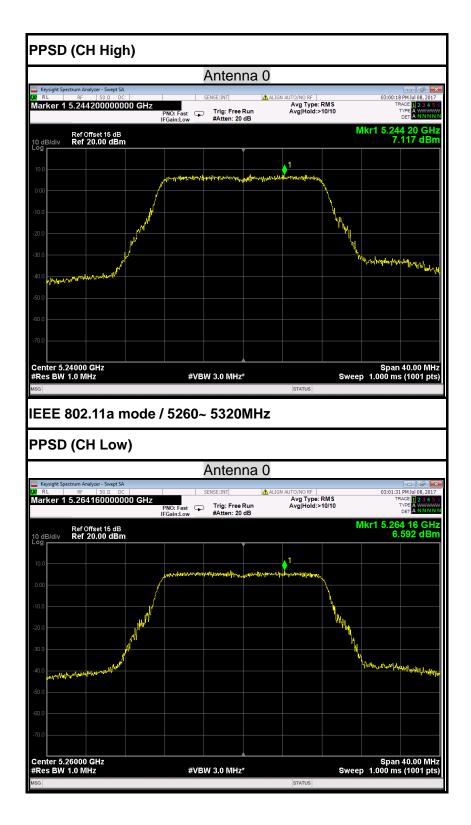
Channel	Frequency (MHz)	PPSD (dBm)		Total (dBm)	Limit (dBm)	Margain	Result
		Antenna 0	Antenna 1	(dBiii)	(uBiii)		
	5775	-9.352	-9.107	-6.217	30.00	-36.217	PASS

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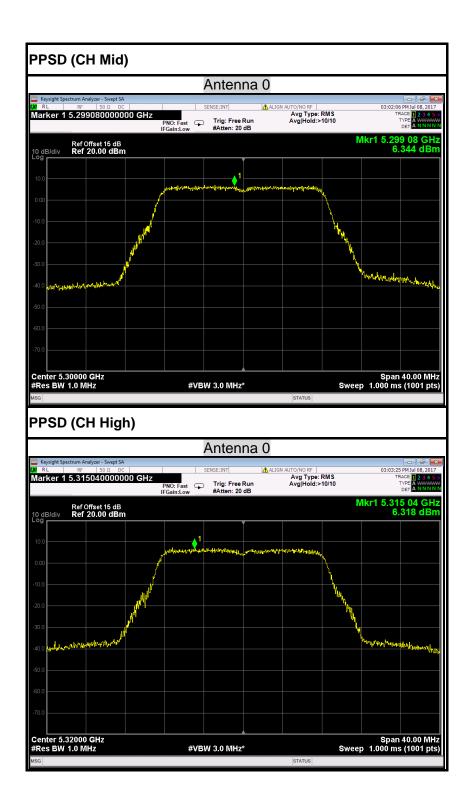
## **Test Plot**



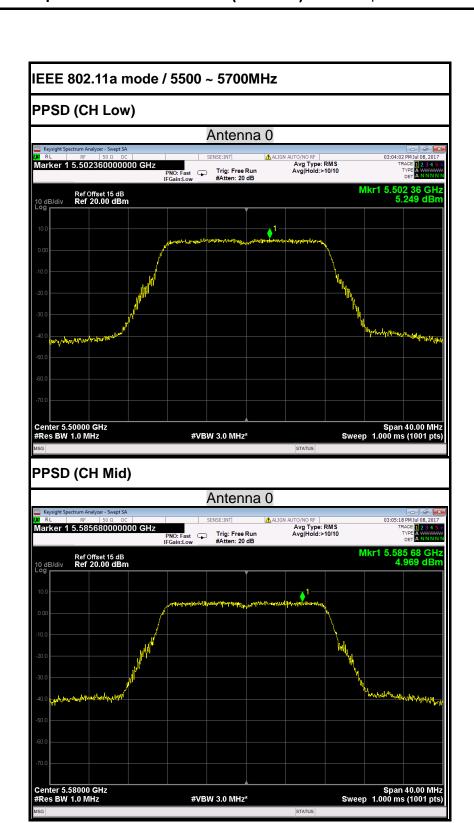
FCC ID: H79-017CF2 Page 108 / 260
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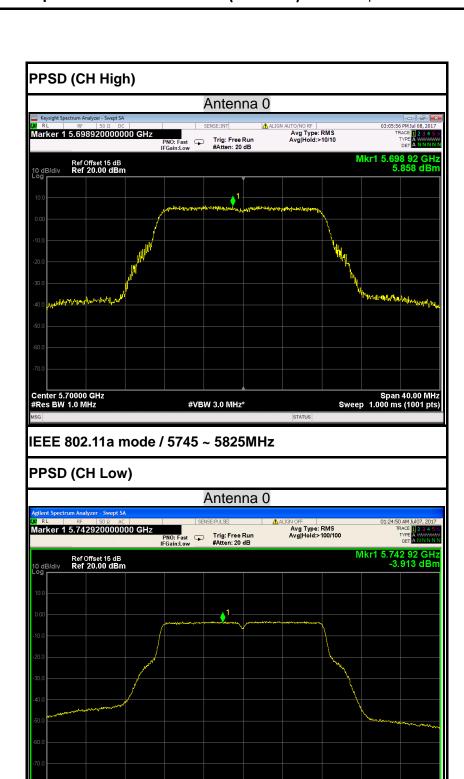


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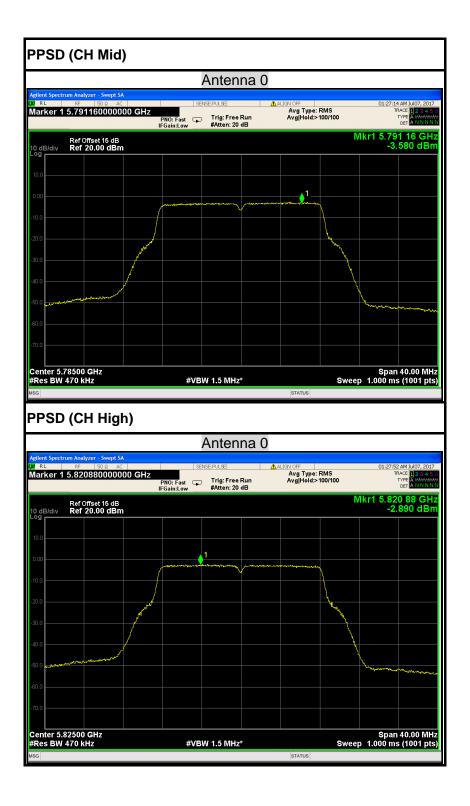
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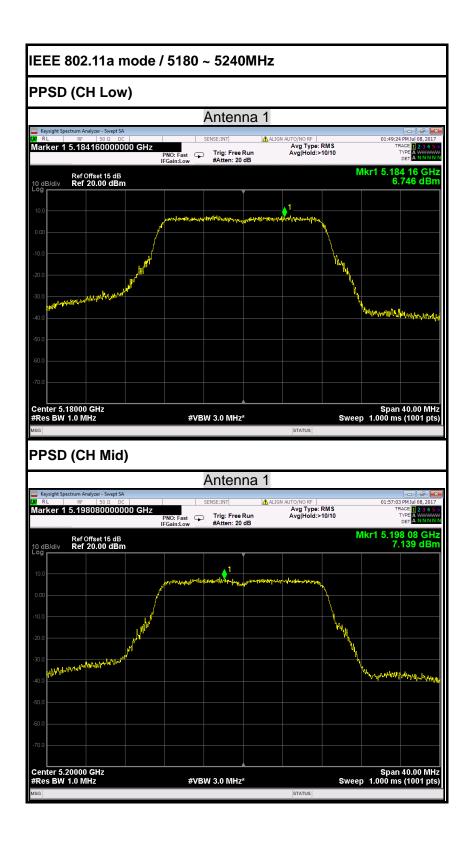




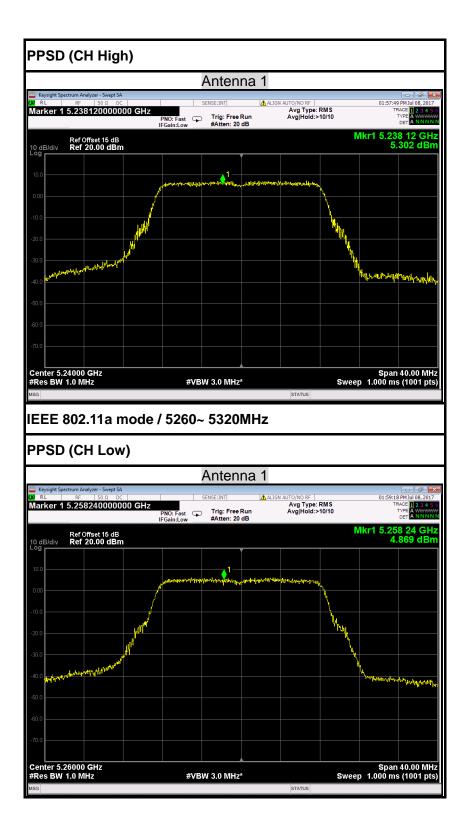
#VBW 1.5 MHz\*

Center 5.74500 GHz #Res BW 470 kHz

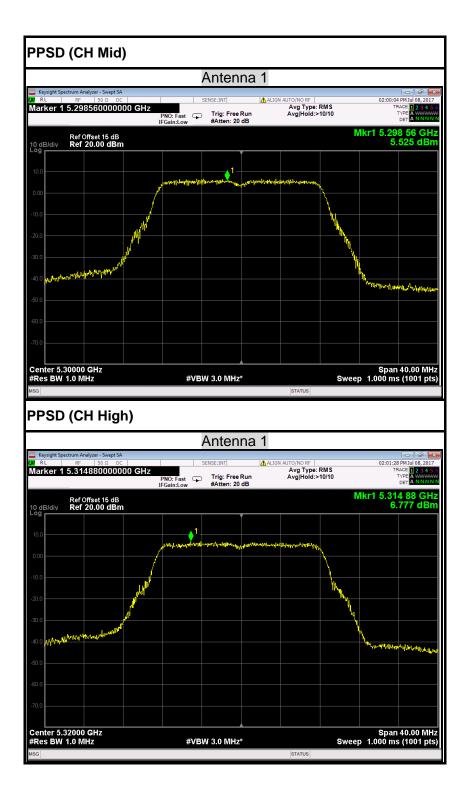


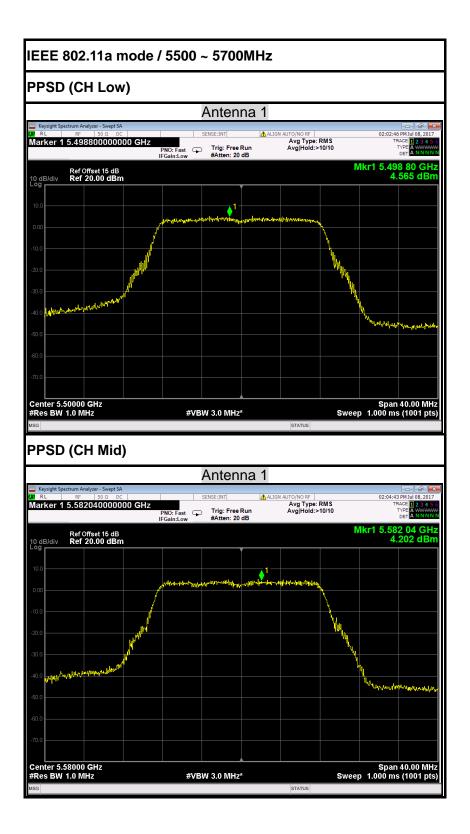


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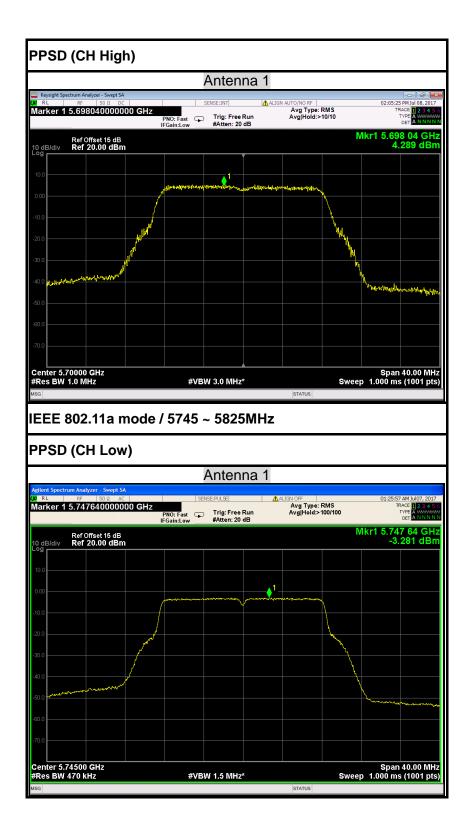


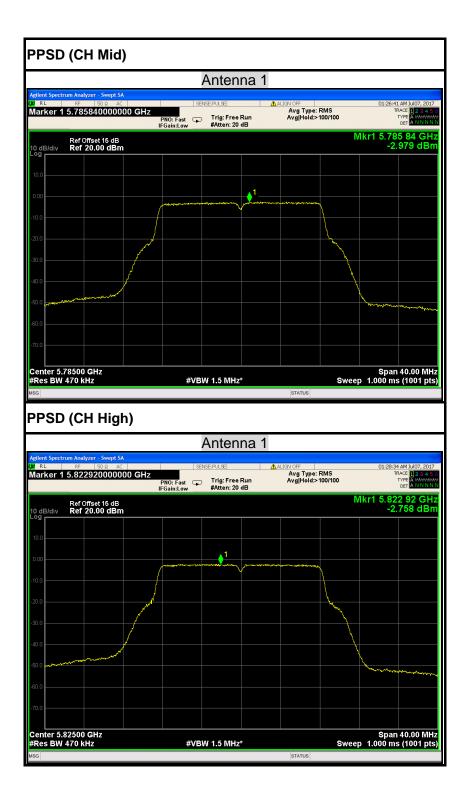
FCC ID: H79-017CF2 Page 115 / 260 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.

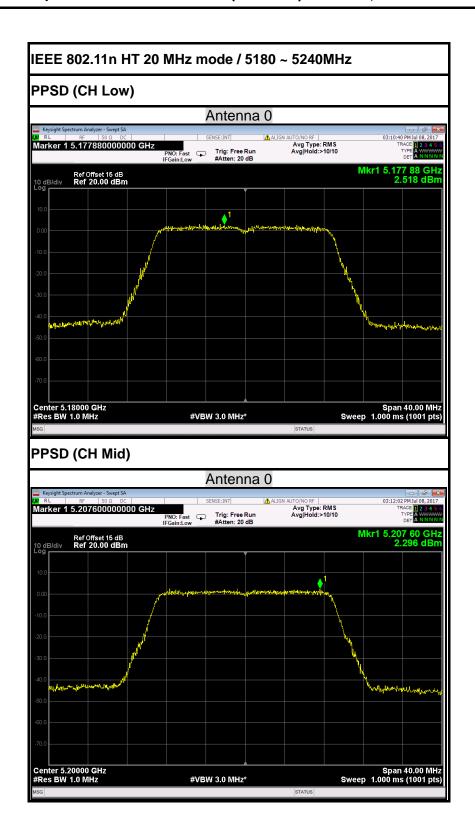




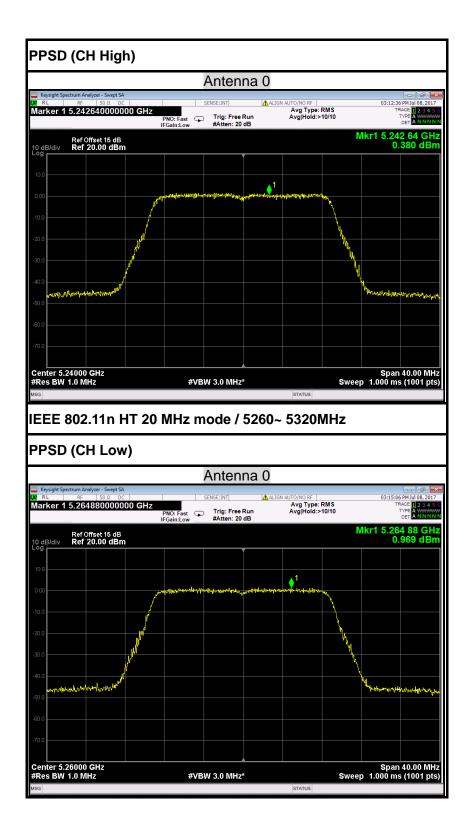
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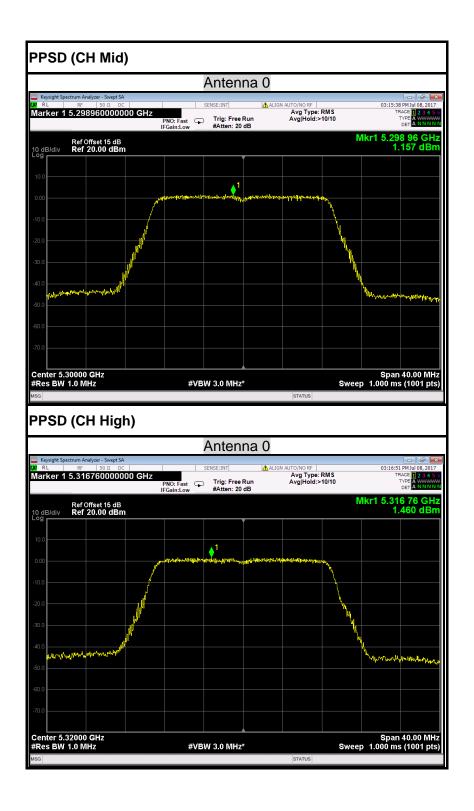




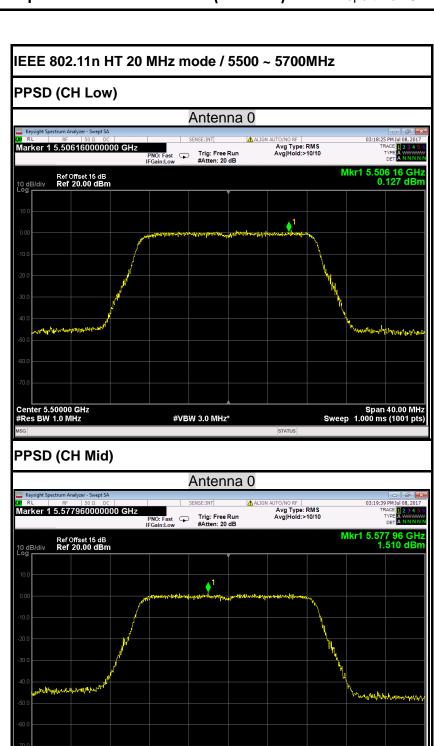
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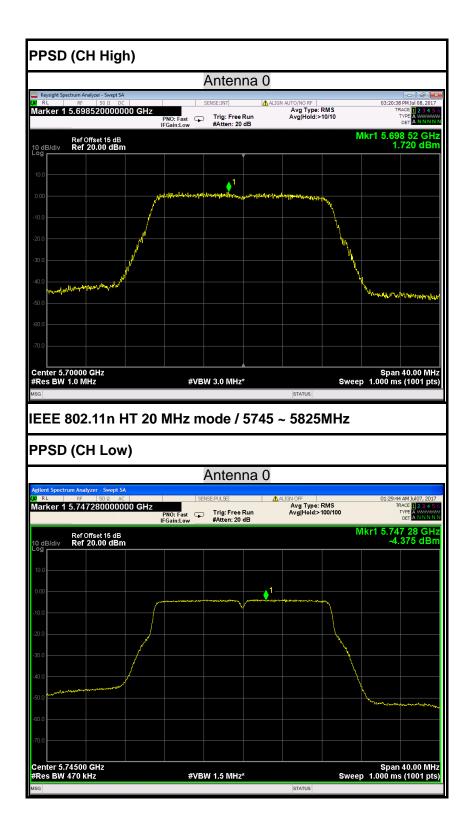


#VBW 3.0 MHz\*

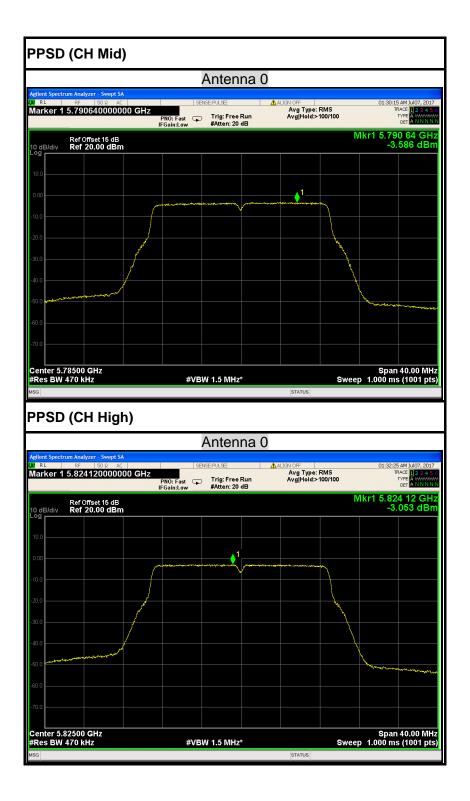
Span 40.00 MHz Sweep 1.000 ms (1001 pts)

Center 5.58000 GHz #Res BW 1.0 MHz

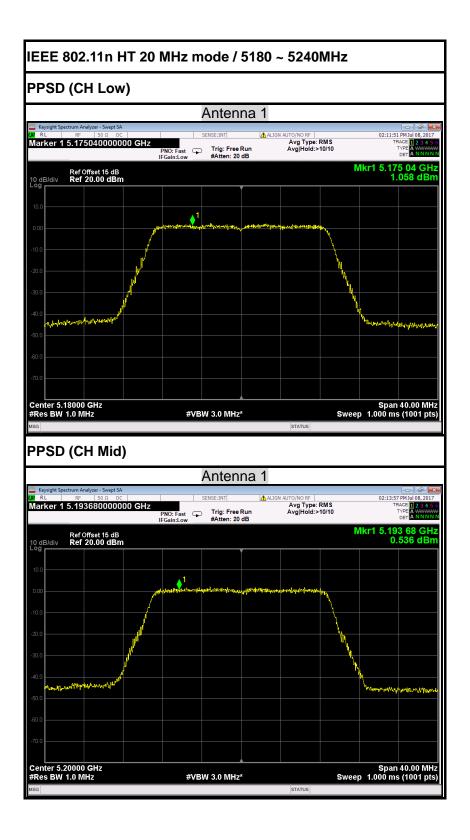




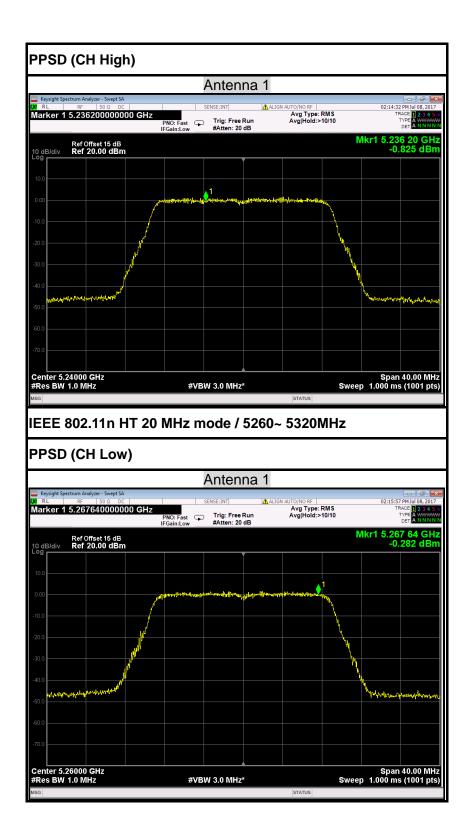
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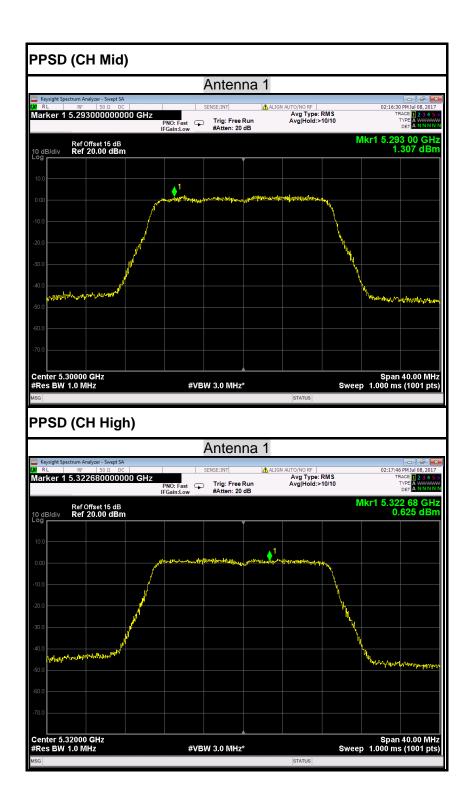
FCC ID: H79-017CF2 Page 125 / 260 This report shall not be reproduced except in full, without the written approval of Compliance Certification Services.



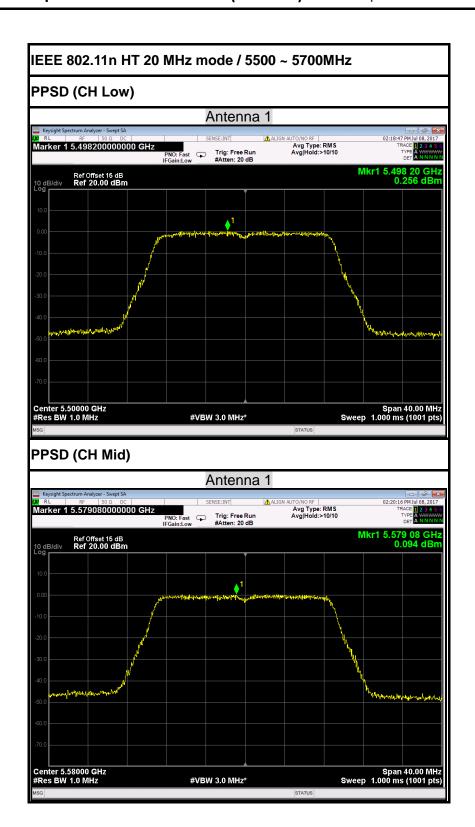
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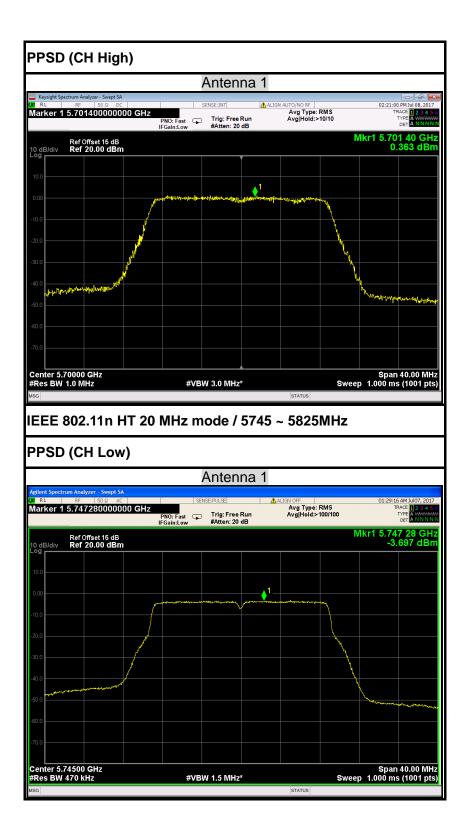


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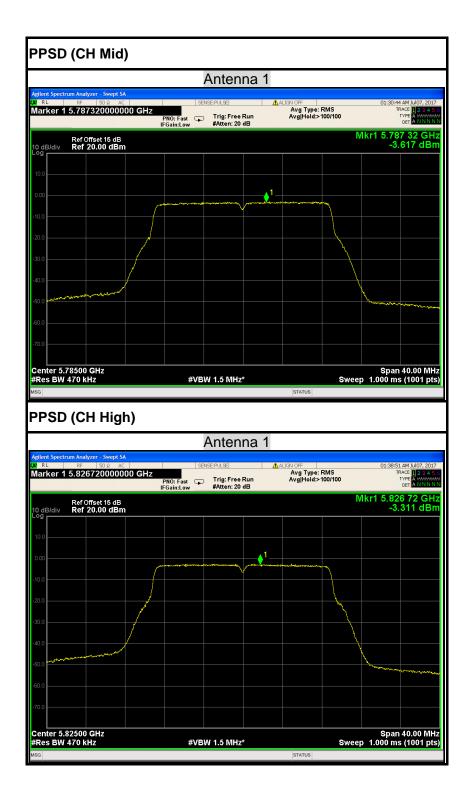


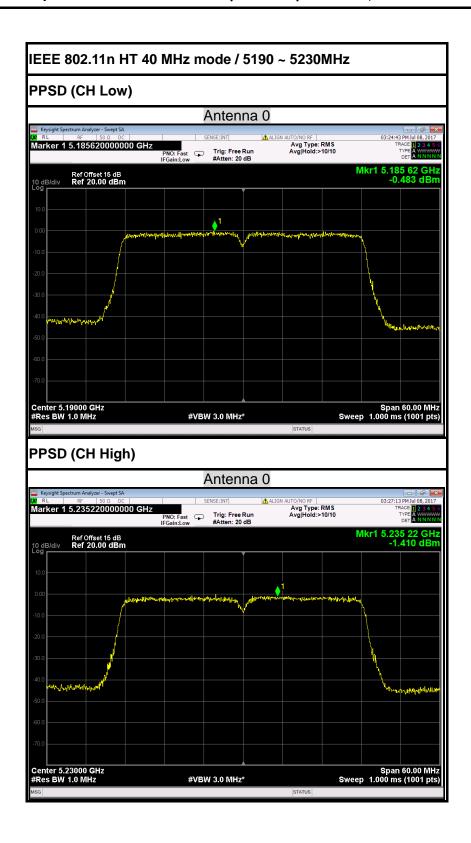
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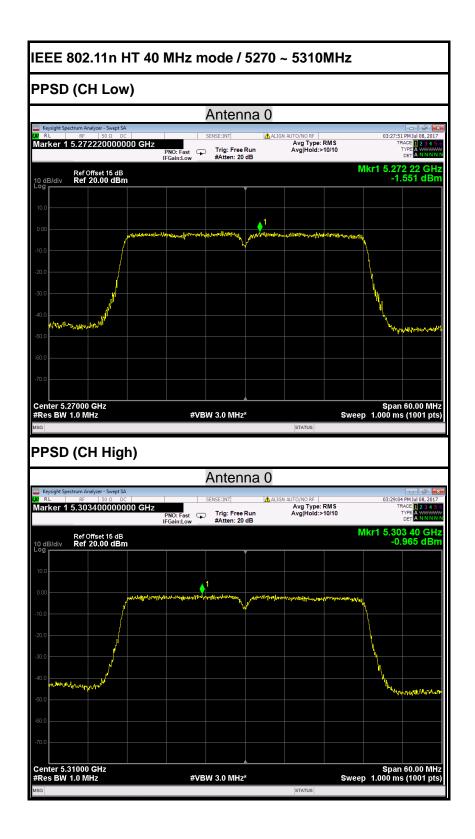


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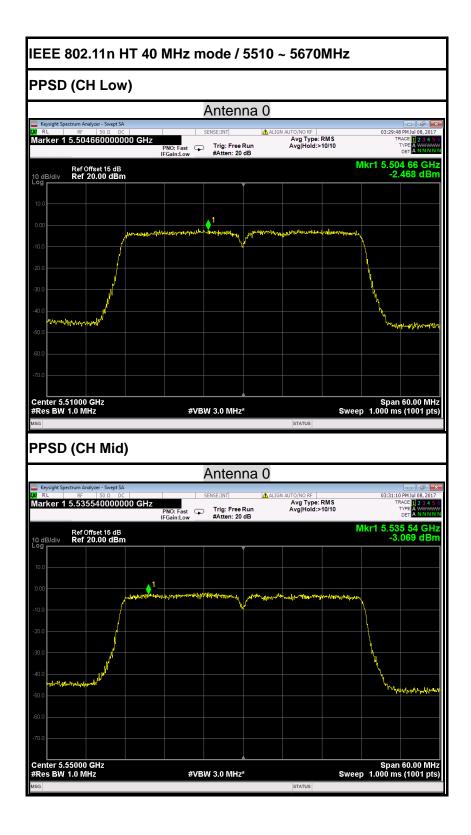




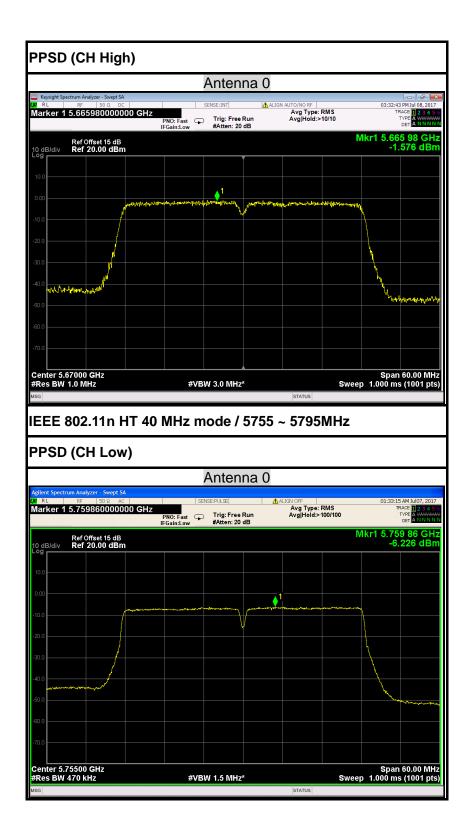
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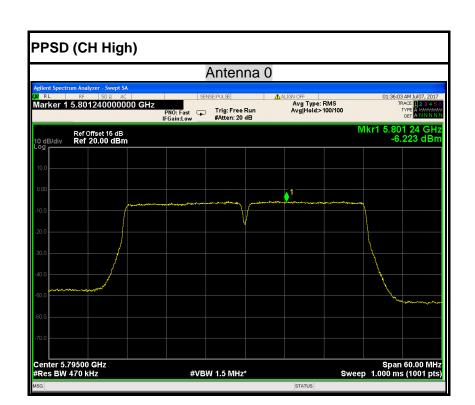
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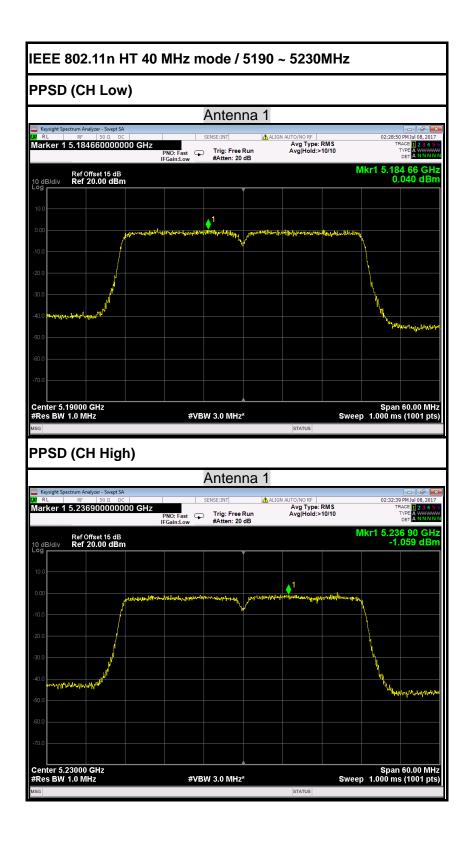
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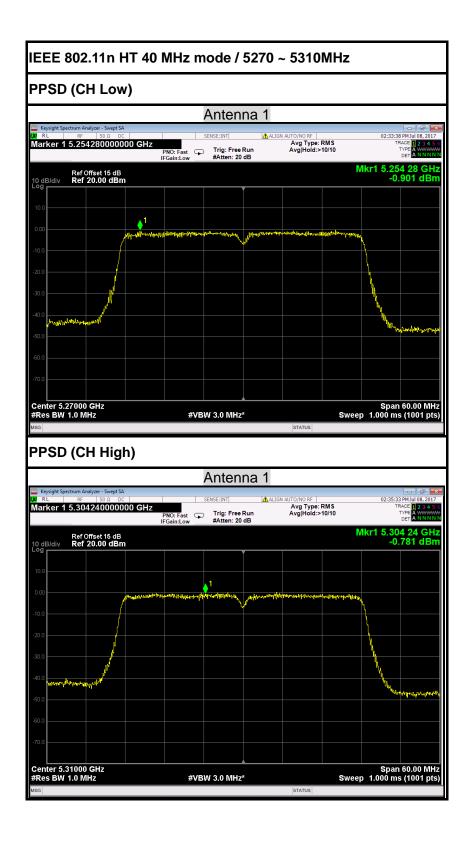
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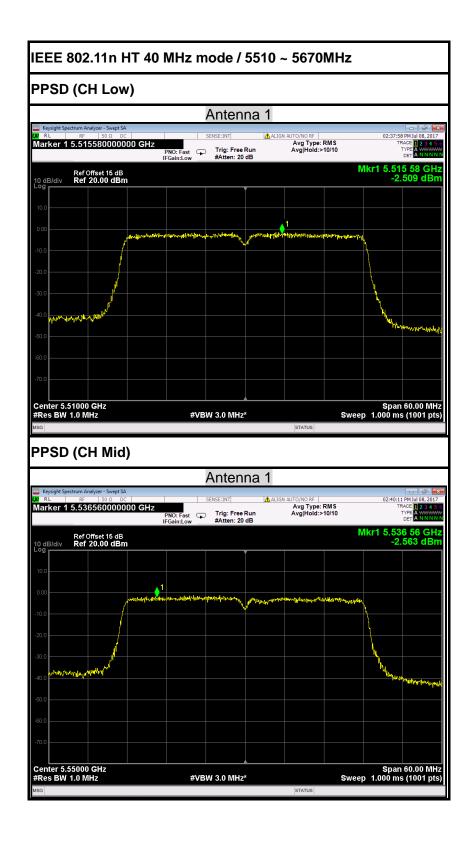


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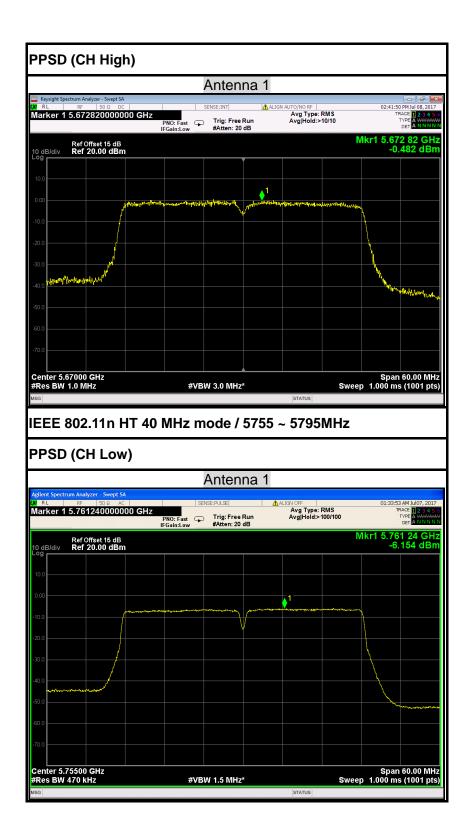


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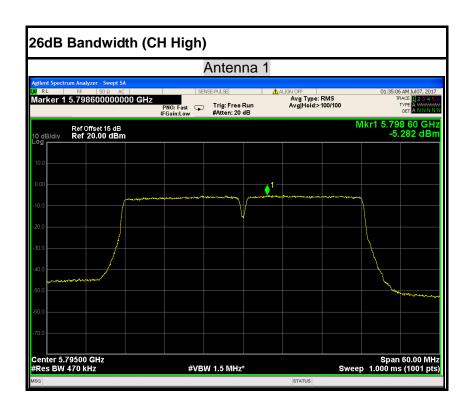


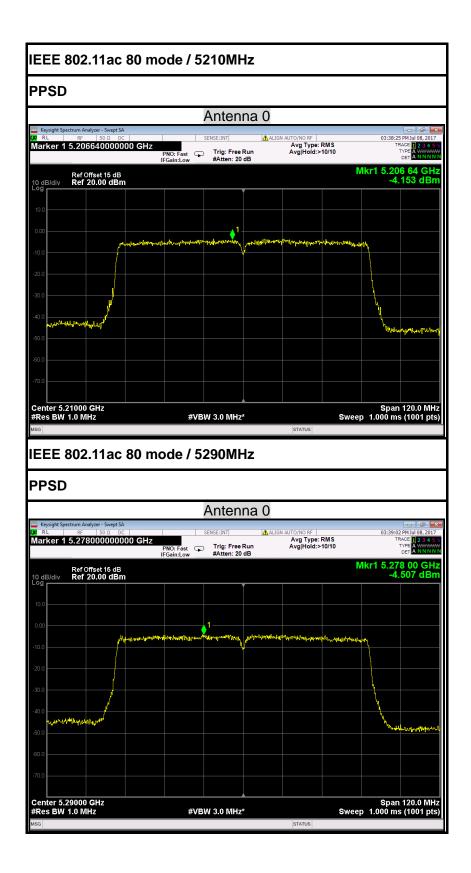


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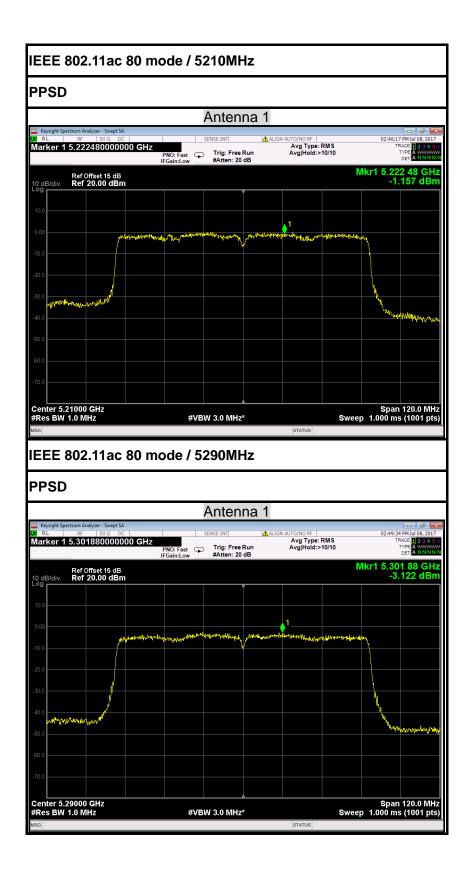


# IEEE 802.11ac 80 mode / 5530MHz **PPSD** Antenna 0 Marker 1 5.517880000000 GHz Avg Type: RMS Avg|Hold:>10/10 Trig: Free Run #Atten: 20 dB Ref Offset 15 dB Ref 20.00 dBm Span 120.0 MHz Sweep 1.000 ms (1001 pts) Center 5.53000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz\* IEEE 802.11ac 80 mode / 5775MHz **PPSD** Antenna 0 Marker 1 5.787600000000 GHz Avg Type: RMS Avg|Hold>100/100 Ref Offset 15 dB Ref 20.00 dBm

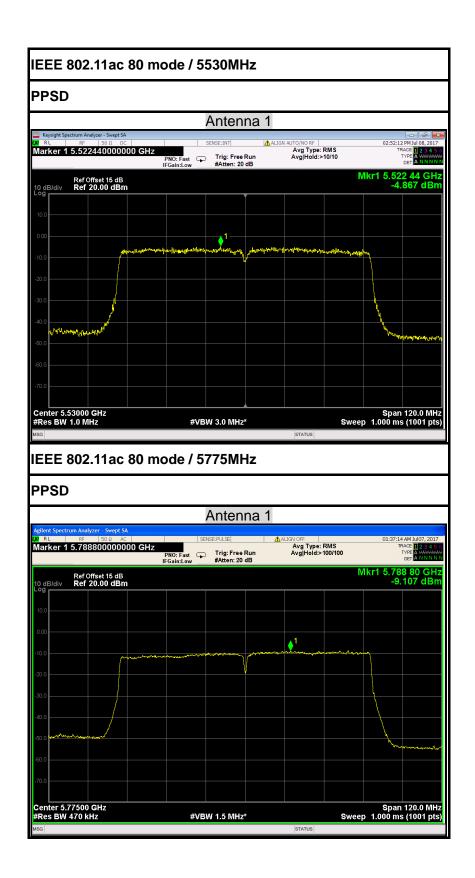
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#VBW 1.5 MHz\*

Center 5.77500 GHz #Res BW 470 kHz Span 120.0 MHz Sweep 1.000 ms (1001 pts)



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# 6.7 RADIATED UNDESIABLE EMISSION

#### 6.7.1 LIMIT

 According to §15.209(a), except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

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Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500	3

**Remark:** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.

2. In the emission table above, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBµV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

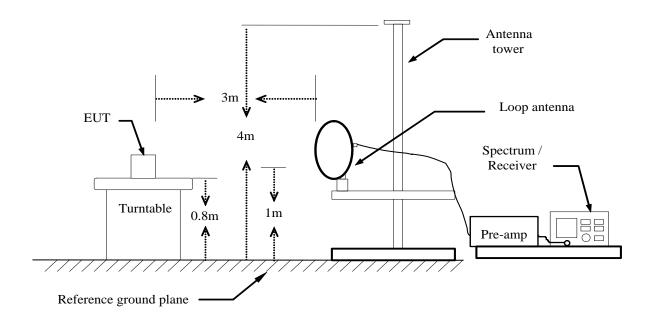
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# **6.7.2 TEST INSTRUMENTS**

Radiated Emission Test Site 966(2)												
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration							
PSA Series Spectrum Analyzer	Agilent	N9010A	MY52221469	02/21/2017	02/20/2018							
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/21/2017	02/20/2018							
Amplifier	EMEC	EM330	060661	03/18/2017	03/17/2018							
High Noise Amplifier	Agilent	8449B	3008A01838	02/21/2017	02/20/2018							
Loop Antenna	COM-POWER	AL-130	121044	09/25/2016	09/24/2017							
Bilog Antenna	SCHAFFNER	CBL6143	5082	02/21/2017	02/20/2018							
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02/27/2017	02/27/2018							
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170 9170-497		02/27/2017	02/27/2018							
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R							
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R							
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R							
Controller	СТ	N/A	N/A	N.C.R	N.C.R							
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/21/2017	02/20/2018							
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2										

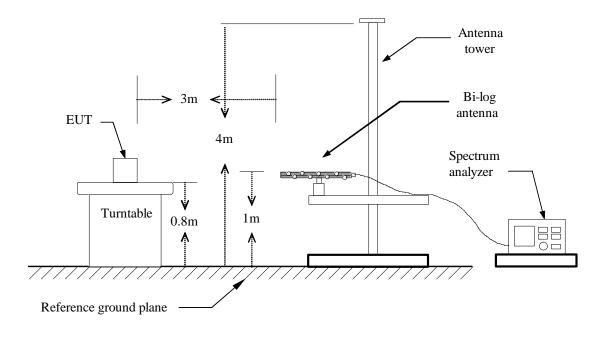
# **6.7.3 TEST CONFIGURATION**

# **Below 30MHz**

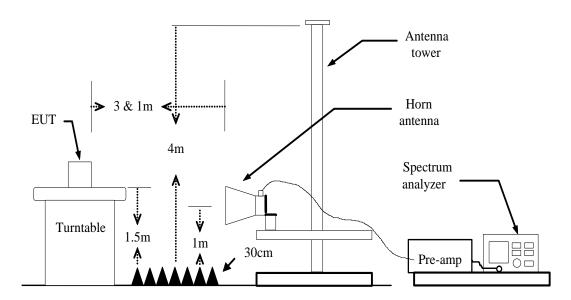


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# **Below 1 GHz**



# **Above 1 GHz**



For the actual test configuration, please refer to the related item – Photographs of the TEST CONFIGURATION.

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#### 6.7.4 MEASURING SETTING

The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted	1MHz / 1MHz for Peak, 1 MHz / 10Hz for
band)	Average
RB / VB (Emission in non-restricted	1MHz / 1MHz for Peak, 1 MHz / 10Hz for
band)	Average

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Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB 100kHz for QP

## **6.7.5TEST PROCEDURE**

# 1) Sequence of testing 9 kHz to 30 MHz

### Setup:

- --- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- --- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.
- --- If the EUT is a floor standing device, it is placed on the ground.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions.
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 3 meter.
- --- The EUT was set into operation.

#### Pre measurement:

- --- The turntable rotates from 0° to 315° using 45° steps.
- --- The antenna height is 0.8 meter.

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--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

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#### **Final measurement:**

- --- Identified emissions during the pre measurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).
- --- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.
- --- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement and the limit will be stored.

# 2) Sequence of testing 30 MHz to 1 GHz

# Setup:

- --- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- --- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.
- --- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 3 meter.
- --- The EUT was set into operation.

#### Pre measurement:

- --- The turntable rotates from 0° to 315° using 45° steps.
- --- The antenna is polarized vertical and horizontal.
- --- The antenna height changes from 1 to 3 meter.
- --- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

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#### **Final measurement:**

- --- The final measurement will be performed with minimum the six highest peaks.
- --- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.

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- --- The final measurement will be done with QP detector with an EMI receiver.
- --- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

# 3) Sequence of testing 1 GHz to 18 GHz

# Setup:

- --- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- --- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- --- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 3 meter.
- --- The EUT was set into operation.

### Pre measurement:

- --- The turntable rotates from 0° to 315° using 45° steps.
- --- The antenna is polarized vertical and horizontal.
- --- The antenna height scan range is 1 meter to 2.5 meter.
- --- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

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# Final measurement:

- --- The final measurement will be performed with minimum the six highest peaks.
- --- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

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- --- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.
- --- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the pre measurement with marked maximum final measurements and the limit will be stored.

# 4) Sequence of testing above 18 GHz Setup:

- --- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.
- --- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.
- --- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.
- --- Auxiliary equipment and cables were positioned to simulate normal operation conditions
- --- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.
- --- The measurement distance is 1 meter.
- --- The EUT was set into operation.

#### Pre measurement:

--- The antenna is moved spherical over the EUT in different polarisations of the antenna.

#### **Final measurement:**

- --- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.
- --- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

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#### 6.7.6 DATA SAMPLE

#### **Below 1GHz**

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXX.XXXX	36.37	-12.20	24.17	40.00	-15.83	V	QP

Frequency (MHz) = Emission frequency in MHz

Reading (dBuV) = Uncorrected Analyzer / Receiver reading Correct Factor (dB/m) = Antenna factor + Cable loss - Amplifier gain = Reading (dBuV) + Corr. Factor (dB/m) Result (dBuV/m)

Limit (dBuV/m) = Limit stated in standard

Margin (dB) = Result (dBuV/m) - Limit (dBuV/m)

Q.P. = Quasi-peak Reading

#### Above 1GHz

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
XXXX.XXXX	62.09	-11.42	50.67	74.00	-23.33	V	Peak
XXXX.XXXX	49.78	-11.42	38.36	54.00	-15.64	V	AVG

Frequency (MHz) = Emission frequency in MHz

= Uncorrected Analyzer / Receiver reading Reading (dBuV) Correction Factor (dB/m) = Antenna factor + Cable loss - Amplifier gain = Reading (dBuV) + Corr. Factor (dB/m) Result (dBuV/m)

= Limit stated in standard Limit (dBuV/m)

Margin (dB) = Result (dBuV/m) - Limit (dBuV/m)

Peak = Peak Reading AVG = Average Reading

### **Calculation Formula**

Margin (dB) = Result (dBuV/m) - Limits (dBuV/m) Result (dBuV/m) = Reading (dBuV) + Correction Factor

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#### 6.7.7 TEST RESULTS

# **Below 1 GHz**

Test Mode: TX / IEEE 802.11a / 5180MHz /(CH Low)

Ambient temperature: 24°C Relative humidity: 52% RH

Tested by: Saber Huang

Date: June 6, 2017

Report No.: C170503Z01-RP1-4

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
141.5500	58.82	-21.33	37.49	43.50	-6.01	V	QP
255.0400	61.74	-20.49	41.25	46.00	-4.75	V	QP
425.7600	51.90	-15.52	36.38	46.00	-9.62	V	QP
567.3800	44.94	-13.08	31.86	46.00	-14.14	V	QP
709.0000	48.15	-11.90	36.25	46.00	-9.75	V	QP
792.4200	49.93	-11.16	38.77	46.00	-7.23	V	QP
142.5200	57.20	-21.38	35.82	43.50	-7.68	Н	QP
259.8900	60.80	-19.92	40.88	46.00	-5.12	Н	QP
425.7600	53.06	-15.52	37.54	46.00	-8.46	Н	QP
709.0000	48.72	-11.90	36.82	46.00	-9.18	Н	QP
790.4800	49.61	-11.17	38.44	46.00	-7.56	Н	QP
960.2300	38.69	-8.69	30.00	54.00	-24.00	Н	QP

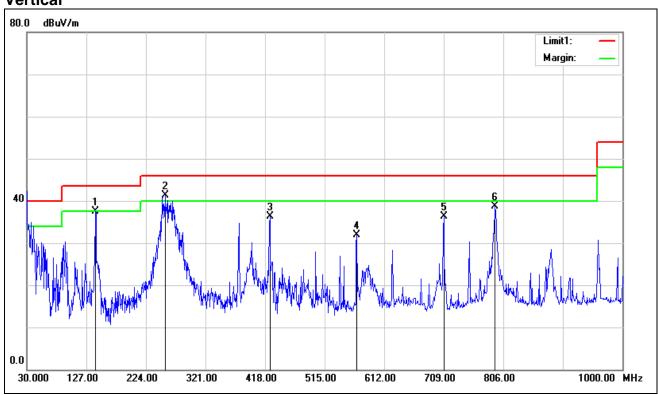
Pre-scan all mode and recorded the worst case results in this report (802.11a (Low Mid)).

#### Remark:

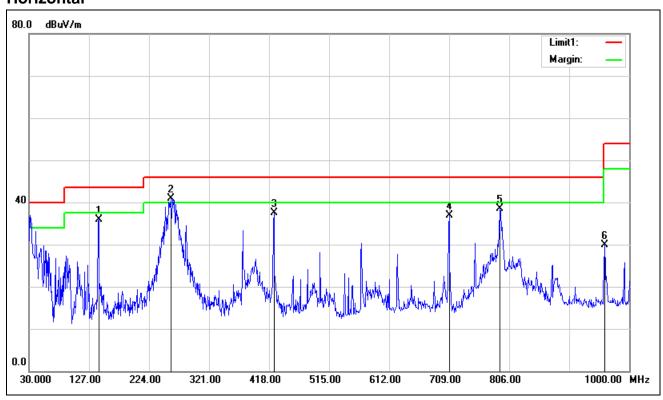
- 1. No emission found between lowest internal used/generated frequency to 30MHz (9kHz~30MHz)
- 2. Radiated emissions measured in frequency range from 30 MHz to 1000MHz were made with an instrument using peak/quasi-peak detector mode.
- Quasi-peak test would be performed if the peak result were greater than the quasi-peak limit.
- 4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin (dB) = Remark result (dBuV/m) Quasi-peak limit (dBuV/m).

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# Vertical



# Horizontal



# Above 1 GHz 1GHz~6GHz

Test Mode: TX / IEEE 802.11a / 5180MHz /(CH Low) Tested by: Saber Huang

Ambient temperature: 24°C Relative humidity: 52% RH Date: June 5, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
1190.000	56.59	-7.83	48.76	68.23	-19.47	V	peak
1485.000	55.80	-6.91	48.89	68.23	-19.34	V	peak
1985.000	53.43	-5.10	48.33	68.23	-19.90	V	peak
2375.000	52.40	-2.94	49.46	68.23	-18.77	V	peak
2625.000	50.69	-2.03	48.66	68.23	-19.57	V	peak
3955.000	45.99	1.40	47.39	68.23	-20.84	V	peak
1185.000	53.42	-7.85	45.57	68.23	-22.66	Н	Peak
1485.000	53.38	-6.91	46.47	68.23	-21.76	Н	Peak
2375.000	51.76	-2.94	48.82	68.23	-19.41	Н	Peak
2970.000	48.80	-1.41	47.39	68.23	-20.84	Н	peak
3560.000	46.72	-0.27	46.45	68.23	-21.78	Н	peak
3960.000	45.36	1.42	46.78	68.23	-21.45	Н	peak

#### Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin (dB) = Remark result (dBuV/m) Average limit (dBuV/m).

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# **Above 6GHz**

# Antenna 0

**Test Mode:** TX / IEEE 802.11a / 5180MHz /(CH Low) Tested by: Saber Huang Ambient temperature: 24°C Relative humidity: 52% RH Date: June 5, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7320.000	29.74	8.32	38.06	68.23	-30.17	V	peak
8064.000	30.11	9.61	39.72	68.23	-28.51	V	peak
9384.000	30.28	10.21	40.49	68.23	-27.74	V	peak
10596.000	29.43	13.83	43.26	68.23	-24.97	V	peak
11916.000	29.66	14.68	44.34	68.23	-23.89	V	peak
12552.000	28.99	16.47	45.46	68.23	-22.77	V	peak
6912.000	30.14	7.56	37.70	68.23	-30.53	Н	Peak
7692.000	30.60	9.05	39.65	68.23	-28.58	Н	Peak
8424.000	30.45	9.42	39.87	68.23	-28.36	Н	Peak
8808.000	30.67	9.21	39.88	68.23	-28.35	Н	peak
9612.000	30.20	10.86	41.06	68.23	-27.17	Н	peak
11028.000	29.54	15.07	44.61	68.23	-23.62	Н	peak

#### Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- Average test would be performed if the peak result were greater than the average limit. 3.
- 4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin (dB) = Remark result (dBuV/m) - Average limit (dBuV/m).

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**Test Mode:** TX / IEEE 802.11a / 5200MHz /(CH Mid) Tested by: Saber Huang Ambient temperature: 24°C Date: June 5, 2017 Relative humidity: 52% RH

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7704.000	30.48	9.07	39.55	68.23	-28.68	V	peak
9060.000	30.59	9.27	39.86	68.23	-28.37	V	peak
9732.000	30.18	11.21	41.39	68.23	-26.84	V	peak
10992.000	29.32	15.06	44.38	68.23	-23.85	V	peak
11700.000	29.18	14.77	43.95	68.23	-24.28	V	peak
12912.000	28.02	17.66	45.68	68.23	-22.55	V	peak
6996.000	29.96	7.69	37.65	68.23	-30.58	Н	Peak
7728.000	30.11	9.12	39.23	68.23	-29.00	Н	Peak
9048.000	29.89	9.24	39.13	68.23	-29.10	Н	Peak
9768.000	29.54	11.31	40.85	68.23	-27.38	Н	peak
11028.000	28.58	15.07	43.65	68.23	-24.58	Н	peak
12240.000	28.46	15.43	43.89	68.23	-24.34	Н	peak

#### Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

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Test Mode: TX / IEEE 802.11a / 5240MHz /(CH High)

Ambient temperature: 24°C

Relative humidity: 52% RH

Date: June 5, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7560.000	29.69	8.79	38.48	68.23	-29.75	V	peak
8148.000	29.85	9.57	39.42	68.23	-28.81	V	peak
9228.000	30.17	9.76	39.93	68.23	-28.30	V	peak
10236.000	29.06	12.71	41.77	68.23	-26.46	V	peak
11280.000	28.75	14.96	43.71	68.23	-24.52	V	peak
12168.000	28.96	15.20	44.16	68.23	-24.07	V	peak
7512.000	30.32	8.70	39.02	68.23	-29.21	Н	Peak
8160.000	29.59	9.56	39.15	68.23	-29.08	Н	Peak
9624.000	30.12	10.90	41.02	68.23	-27.21	Н	Peak
11004.000	28.66	15.08	43.74	68.23	-24.49	Н	peak
11616.000	28.73	14.81	43.54	68.23	-24.69	Н	peak
12600.000	28.19	16.63	44.82	68.23	-23.41	Н	peak

#### Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin (dB) = Remark result (dBuV/m) Average limit (dBuV/m).

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Test Mode: TX / IEEE 802.11a / 5260MHz /(CH Low)

Tested by: Saber Huang

Report No.: C170503Z01-RP1-4

Ambient temperature: 24°C Relative humidity: 52% RH Date: June 5, 2017

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Pole (V/H)	Remark
7692.000	30.04	9.05	39.09	68.23	-29.14	V	peak
8448.000	29.69	9.40	39.09	68.23	-29.14	V	peak
9480.000	29.81	10.48	40.29	68.23	-27.94	V	peak
10356.000	28.68	13.08	41.76	68.23	-26.47	V	peak
11148.000	29.01	15.01	44.02	68.23	-24.21	V	peak
12540.000	28.59	16.43	45.02	68.23	-23.21	V	peak
7188.000	29.59	8.07	37.66	68.23	-30.57	Н	Peak
7656.000	29.77	8.98	38.75	68.23	-29.48	Н	Peak
8376.000	29.83	9.44	39.27	68.23	-28.96	Н	Peak
9480.000	29.39	10.48	39.87	68.23	-28.36	Н	peak
10368.000	29.02	13.12	42.14	68.23	-26.09	Н	peak
11304.000	28.58	14.95	43.53	68.23	-24.70	Н	peak

#### Remark:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
- 3. Average test would be performed if the peak result were greater than the average limit.
- 4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with "N/A" remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 6. Margin (dB) = Remark result (dBuV/m) Average limit (dBuV/m).

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