



6.6 Band edge measurements

Test Result:

TestMode	Antenna	ChName	Frequency[MHz]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-40.4	≤-27	PASS
11A	Ant1	High	5240	-40.54	≤-27	PASS
11N20SISO	Ant1	Low	5180	-40.55	≤-27	PASS
11N20SISO	Ant1	High	5240	-41.24	≤-27	PASS
11N40SISO	Ant1	Low	5190	-40.91	≤-27	PASS
11N40SISO	Ant1	High	5230	-39.68	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-41.3	≤-27	PASS
11AC20SISO	Ant1	High	5240	-41.07	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-41.17	≤-27	PASS
11AC40SISO	Ant1	High	5230	-40.81	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-40.31	≤-27	PASS
11AC80SISO	Ant1	High	5210	-41.11	≤-27	PASS

TestMode	Antenna	ChName	Frequency[MHz]	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5720~5725	-34.65	≤26.83	PASS
11A	Ant1	Low	5745	5700~5720	-42.32	≤13.86	PASS
11A	Ant1	Low	5745	5650~5700	-43.31	≤-18.62	PASS
11A	Ant1	Low	5745	5760~5650	-44.56	≤-27	PASS
11A	Ant1	High	5825	5850~5855	-41.92	≤21.33	PASS
11A	Ant1	High	5825	5855~5875	-41.47	≤11.16	PASS
11A	Ant1	High	5825	5875~5925	-41.51	≤-11.17	PASS
11A	Ant1	High	5825	5925~5935	-42.13	≤-27	PASS
11N20SISO	Ant1	Low	5745	5720~5725	-28.58	≤26.83	PASS
11N20SISO	Ant1	Low	5745	5700~5720	-38.56	≤15.59	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-42.8	≤0.19	PASS
11N20SISO	Ant1	Low	5745	5760~5650	-44.84	≤-27	PASS
11N20SISO	Ant1	High	5825	5850~5855	-42.27	≤22.26	PASS
11N20SISO	Ant1	High	5825	5855~5875	-41.22	≤15.54	PASS
11N20SISO	Ant1	High	5825	5875~5925	-41.34	≤6.01	PASS
11N20SISO	Ant1	High	5825	5925~5935	-42.19	≤-27	PASS
11N40SISO	Ant1	Low	5755	5720~5725	-25.6	≤26.20	PASS
11N40SISO	Ant1	Low	5755	5700~5720	-26.97	≤15.54	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-40.28	≤9.76	PASS
11N40SISO	Ant1	Low	5755	5780~5650	-44.33	≤-27	PASS
11N40SISO	Ant1	High	5795	5850~5855	-41.74	≤21.30	PASS
11N40SISO	Ant1	High	5795	5855~5875	-41.39	≤14.75	PASS
11N40SISO	Ant1	High	5795	5875~5925	-41.12	≤-4.09	PASS
11N40SISO	Ant1	High	5795	5925~5935	-41.95	≤-27	PASS
11AC20SISO	Ant1	Low	5745	5720~5725	-24.97	≤26.30	PASS
11AC20SISO	Ant1	Low	5745	5700~5720	-37.24	≤14.69	PASS
11AC20SISO	Ant1	Low	5745	5650~5700	-43.42	≤-6.28	PASS
11AC20SISO	Ant1	Low	5745	5760~5650	-44.93	≤-27	PASS
11AC20SISO	Ant1	High	5825	5850~5855	-42.59	≤15.79	PASS



11AC20SIS O	Ant1	High	5825	5855~5875	-41.37	≤14.22	PASS
11AC20SIS O	Ant1	High	5825	5875~5925	-40.42	≤1.02	PASS
11AC20SIS O	Ant1	High	5825	5925~5935	-42.08	≤-27	PASS
11AC40SIS O	Ant1	Low	5755	5720~5725	-26.25	≤21.28	PASS
11AC40SIS O	Ant1	Low	5755	5700~5720	-27.89	≤15.58	PASS
11AC40SIS O	Ant1	Low	5755	5650~5700	-42.05	≤9.26	PASS
11AC40SIS O	Ant1	Low	5755	5780~5650	-43.86	≤-27	PASS
11AC40SIS O	Ant1	High	5795	5850~5855	-42.47	≤21.30	PASS
11AC40SIS O	Ant1	High	5795	5855~5875	-41.64	≤13.92	PASS
11AC40SIS O	Ant1	High	5795	5875~5925	-41.22	≤-19.35	PASS
11AC40SIS O	Ant1	High	5795	5925~5935	-42.17	≤-27	PASS
11AC80SIS O	Ant1	Low	5775	5720~5725	-31.55	≤24.83	PASS
11AC80SIS O	Ant1	Low	5775	5700~5720	-31.56	≤15.52	PASS
11AC80SIS O	Ant1	Low	5775	5650~5700	-33.94	≤2.33	PASS
11AC80SIS O	Ant1	Low	5775	5800~5650	-43.31	≤-27	PASS
11AC80SIS O	Ant1	High	5775	5850~5855	-32.21	≤21.28	PASS
11AC80SIS O	Ant1	High	5775	5855~5875	-33.68	≤12.09	PASS
11AC80SIS O	Ant1	High	5775	5875~5925	-41.36	≤6.17	PASS
11AC80SIS O	Ant1	High	5775	5925~5935	-41.5	≤-27	PASS

Note: 1. The Max. Level has been corrected by the cable loss and antenna gain.

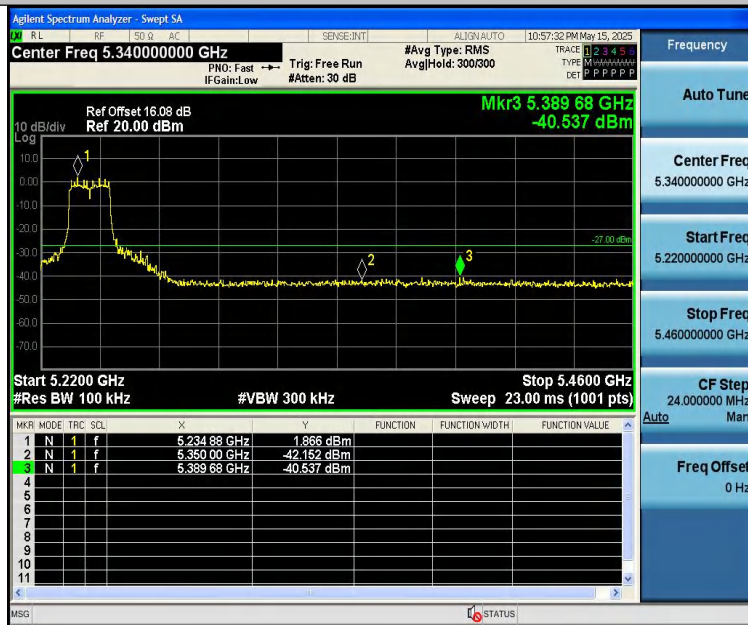


Test Graphs:

11A-Ant1-5180-PASS



11A-Ant1-5240-PASS



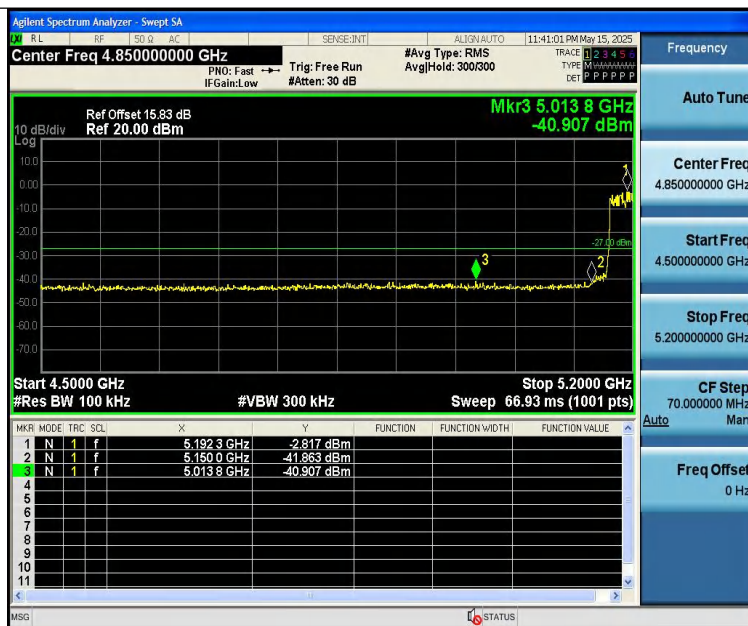
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11N20SISO-Ant1-5240-PASS



11N40SISO-Ant1-5190-PASS



11N40SISO-Ant1-5230-PASS



11AC20SISO-Ant1-5180-PASS



11AC20SISO-Ant1-5240-PASS



11AC40SISO-Ant1-5190-PASS



11AC40SISO-Ant1-5230-PASS



11AC80SISO-Ant1-5210-PASS



11AC80SISO-Ant1-5210-PASS





Test plots B4:

11A-Ant1-5745-PASS



11A-Ant1-5825-PASS



11N20SISO-Ant1-5745-PASS



11N20SISO-Ant1-5825-PASS



11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS



11AC20SISO-Ant1-5745-PASS



11AC20SISO-Ant1-5825-PASS



11AC40SISO-Ant1-5755-PASS



11AC40SISO-Ant1-5795-PASS



11AC80SISO-Ant1-5775-PASS



11AC80SISO-Ant1-5775-PASS



Note: 27~40GHz at least have 20dB margin. No recording in the test report.



6.7 Restricted Band

Test Requirement : FCC Part15 E Section 15.407(b)

Test site : Measurement Distance: 3m

Test Limit :

Frequency	Limit (dBuV/m @3m)	Remark
Above 1GHz	74	Peak Value
	54	Average Value

Test Procedure:

1. The EUT was placed on a styrofoam table which is 1.5m above ground plane.
2. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions. The spectrum was investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are tested under 3-axes(X,Y,Z) position(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand), After pre-test, It was found that the worse radiation emission was get at the X position. So the data shown was the X position only.
8. The test above 1GHz must be use the fully anechoic room, and the test below 1GHz use the half anechoic room

Test Result:

Worst case mode:		802.11a(6Mbps)		Test channel:		36		
NO.	Freq. [MHz]	level [dBμV/m]	Factor [dB]	Emission level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector Type
1	5150	50.62	6.53	57.15	68.23	11.08	H	Peak
2	5150	39.75	6.53	46.28	54	7.72	H	Average
3	5150	49.5	6.53	56.03	68.23	12.2	V	Peak
4	5150	38.42	6.53	44.95	54	9.05	V	Average

Worst case mode:		802.11a(6Mbps)		Test channel:		48		
NO.	Freq. [MHz]	level [dBμV/m]	Factor [dB]	Emission level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector Type
1	5350	50.4	6.56	56.96	68.23	11.27	H	Peak
2	5350	40.13	6.56	46.69	54	7.31	H	Average
3	5350	49.62	6.56	56.18	68.23	12.05	V	Peak
4	5350	38.27	6.56	44.83	54	9.17	V	Average

Worst case mode:		802.11a(6Mbps)		Test channel:		149		
NO.	Freq. [MHz]	level [dBμV/m]	Factor [dB]	Emission level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector Type
1	5725	49.71	6.61	56.32	68.23	11.91	H	Peak
2	5725	40.41	6.61	47.02	54	6.98	H	Average
3	5725	49.03	6.61	55.64	68.23	12.59	V	Peak
4	5725	38.29	6.61	44.9	54	9.1	V	Average

Worst case mode:		802.11a(6Mbps)		Test channel:		165		
NO.	Freq. [MHz]	level [dBμV/m]	Factor [dB]	Emission level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Polarity	Detector Type
1	5875	49.78	6.64	56.42	68.23	11.81	H	Peak
2	5875	40.32	6.64	46.96	54	7.04	H	Average
3	5875	49.2	6.64	55.84	68.23	12.39	V	Peak
4	5875	38.52	6.64	45.16	54	8.84	V	Average

Note: Only recorded the worst case in the report.



7 Emission Bandwidth and Occupied Bandwidth

Test Requirement	: FCC CFR47 Part 15 Section 15.407(a)(e)
Test Method	: ANSI C63.10:2013
Test Limit	According to FCC §15.407(a), The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band are made over a reference bandwidth of 500 kHz or the 26 dB emission bandwidth of the device, whichever is less. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth. As per FCC §15.407(e): for equipment operating in the band 5725 – 5850 MHz, the minimum 6 dB bandwidth of U-NII devices shall be 500 kHz.

7.1 Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01,
Emission Bandwidth (EBW)

a) Set RBW = approximately 1% of the emission bandwidth; b) Set the VBW > RBW; c) Detector = Peak; d) Trace mode = max hold; e) Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%; 99% Occupied Bandwidth

The 99% occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5 % of the total mean power of the given emission. Measurement of the 99% occupied bandwidth is required only as a condition for using the optional band-edge measurement techniques described in II.G.3.d). Measurements of 99% occupied bandwidth may also optionally be used in lieu of the EBW to define the minimum frequency range over which the spectrum is integrated when measuring maximum conducted output power as described in II.E. However, the EBW must be measured to determine bandwidth dependent limits on maximum conducted output power in accordance with 15.407(a).

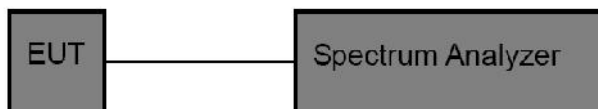
The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set $VBW \geq 3 \cdot RBW$
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency.



The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

7.2 Test setup



7.3 Test Result

PASS

Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations / data rates and antenna ports.

Following channel was selected for the final test as listed below.

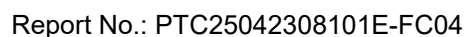
26 dB emission bandwidth:

TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.280	5169.920	5190.200	---	---
11A	Ant1	5200	24.160	5189.760	5213.920	---	---
11A	Ant1	5240	28.400	5228.520	5256.920	---	---
11N20SISO	Ant1	5180	21.120	5169.520	5190.640	---	---
11N20SISO	Ant1	5200	26.240	5189.720	5215.960	---	---
11N20SISO	Ant1	5240	32.720	5225.960	5258.680	---	---
11N40SISO	Ant1	5190	41.440	5169.360	5210.800	---	---
11N40SISO	Ant1	5230	64.640	5202.160	5266.800	---	---
11AC20SISO	Ant1	5180	20.760	5169.480	5190.240	---	---
11AC20SISO	Ant1	5200	31.440	5185.160	5216.600	---	---
11AC20SISO	Ant1	5240	36.280	5223.400	5259.680	---	---
11AC40SISO	Ant1	5190	41.360	5169.040	5210.400	---	---
11AC40SISO	Ant1	5230	69.920	5199.760	5269.680	---	---
11AC80SISO	Ant1	5210	91.840	5169.360	5261.200	---	---



minimum 6 dB bandwidth:

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.320	5736.800	5753.120	0.5	PASS
11A	Ant1	5785	16.280	5776.800	5793.080	0.5	PASS
11A	Ant1	5825	16.040	5816.840	5832.880	0.5	PASS
11N20SISO	Ant1	5745	16.760	5736.600	5753.360	0.5	PASS
11N20SISO	Ant1	5785	16.720	5776.560	5793.280	0.5	PASS
11N20SISO	Ant1	5825	16.520	5816.560	5833.080	0.5	PASS
11N40SISO	Ant1	5755	35.600	5737.160	5772.760	0.5	PASS
11N40SISO	Ant1	5795	35.120	5777.400	5812.520	0.5	PASS
11AC20SISO	Ant1	5745	17.560	5736.200	5753.760	0.5	PASS
11AC20SISO	Ant1	5785	16.240	5777.080	5793.320	0.5	PASS
11AC20SISO	Ant1	5825	16.720	5816.600	5833.320	0.5	PASS
11AC40SISO	Ant1	5755	35.280	5737.400	5772.680	0.5	PASS
11AC40SISO	Ant1	5795	34.480	5778.040	5812.520	0.5	PASS
11AC80SISO	Ant1	5775	75.040	5737.400	5812.440	0.5	PASS



11A-Ant1-5180



11A-Ant1-5200



11A-Ant1-5240



11N20SISO-Ant1-5180



11N20SISO-Ant1-5200



11N20SISO-Ant1-5240



11N40SISO-Ant1-5190



11N40SISO-Ant1-5230



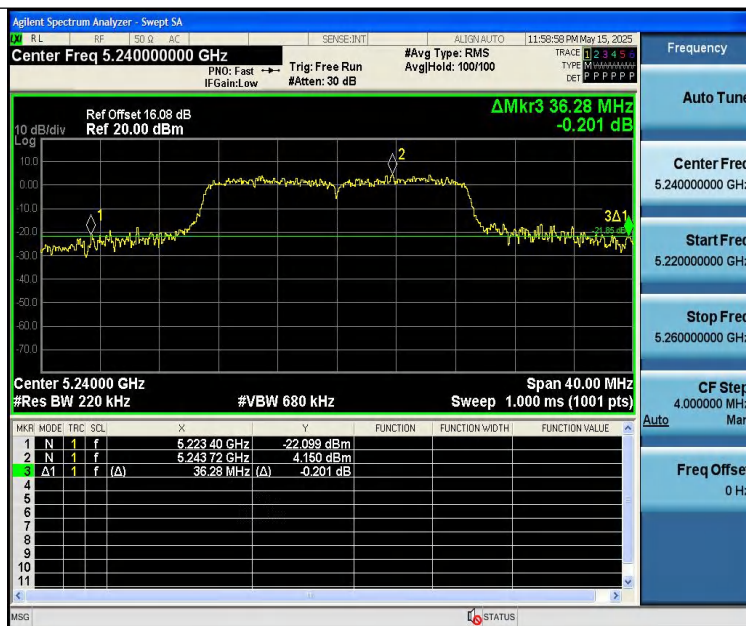
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11AC20SISO-Ant1-5200



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11AC40SISO-Ant1-5190

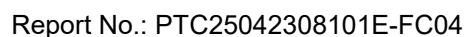


11AC40SISO-Ant1-5230



11AC80SISO-Ant1-5210





11A-Ant1-5745-PASS



11A-Ant1-5785-PASS



11A-Ant1-5825-PASS



11N20SISO-Ant1-5745-PASS



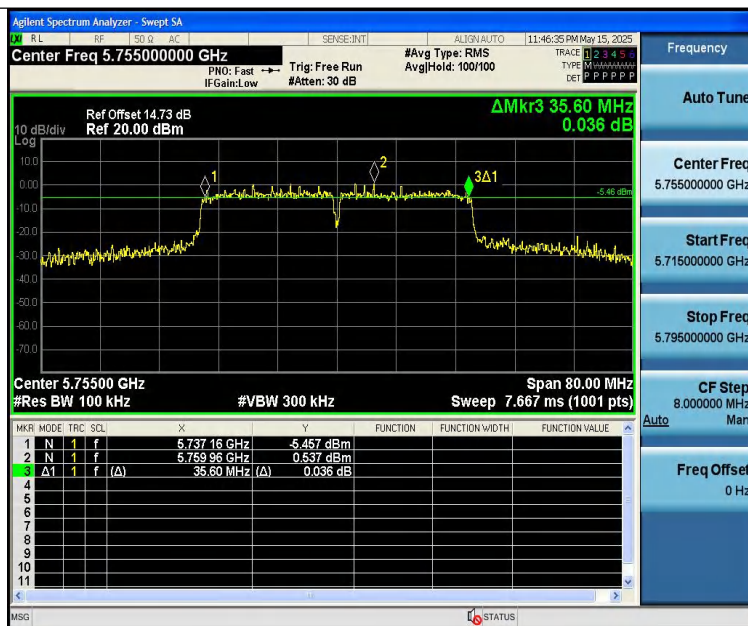
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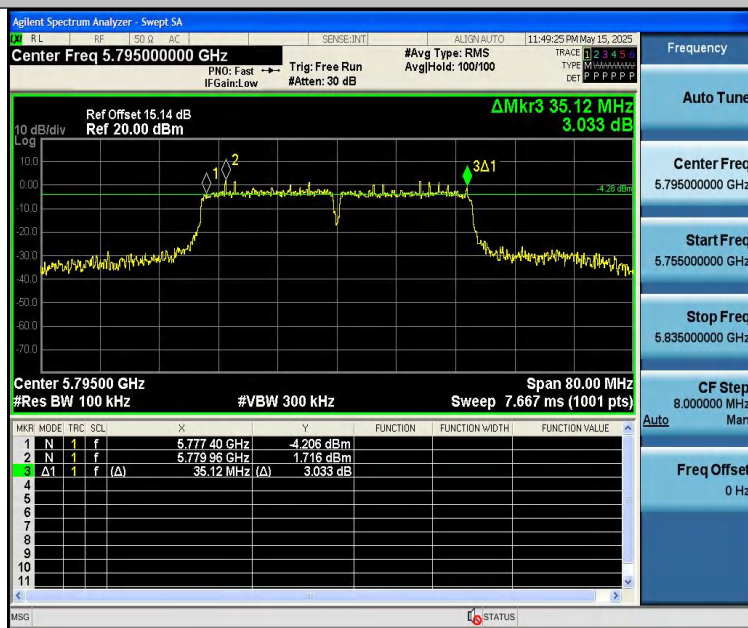
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11N40SISO-Ant1-5755-PASS



11N40SISO-Ant1-5795-PASS



11AC20SISO-Ant1-5745-PASS



11AC20SISO-Ant1-5785-PASS



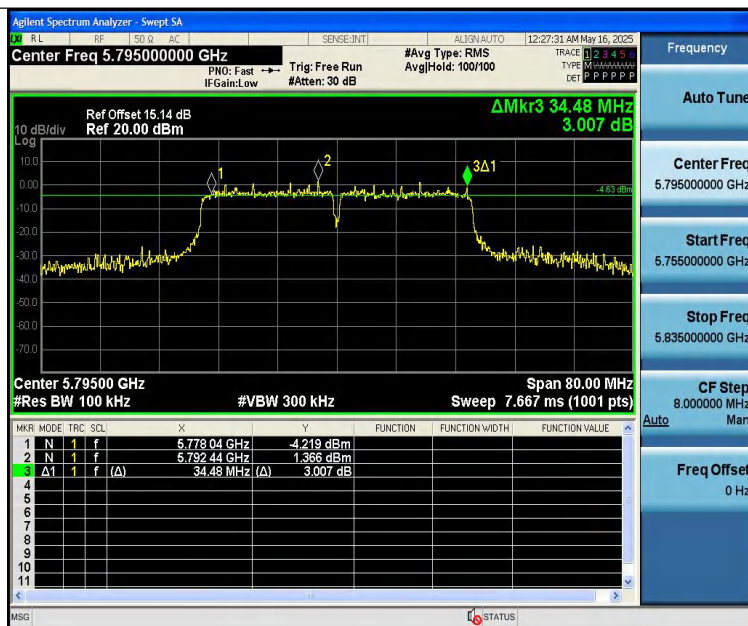
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11AC80SISO-Ant1-5775-PASS



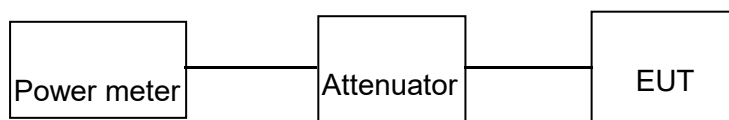


8 Maximum Conducted Output Power

Test Requirement	: FCC CFR47 Part 15 Section 15.407(a)
Test Method	: ANSI C63.10:2013
Test Limit	: For 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.

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 colocated 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.

8.1 Test Setup



8.2 Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01, The use Power Meter 1. Place the EUT on a bench and set it in transmitting mode. 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to a Power meter.



8.3 Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Conducted Limit [dBm]	Verdict
11A	Ant1	5180	11.51	≤23.98	PASS
11A	Ant1	5200	13.11	≤23.98	PASS
11A	Ant1	5240	12.98	≤23.98	PASS
11A	Ant1	5745	13.56	≤30.00	PASS
11A	Ant1	5785	13.63	≤30.00	PASS
11A	Ant1	5825	13.01	≤30.00	PASS
11N20SISO	Ant1	5180	11.81	≤23.98	PASS
11N20SISO	Ant1	5200	12.38	≤23.98	PASS
11N20SISO	Ant1	5240	14.51	≤23.98	PASS
11N20SISO	Ant1	5745	14.91	≤30.00	PASS
11N20SISO	Ant1	5785	15.38	≤30.00	PASS
11N20SISO	Ant1	5825	15.35	≤30.00	PASS
11N40SISO	Ant1	5190	10.83	≤23.98	PASS
11N40SISO	Ant1	5230	13.14	≤23.98	PASS
11N40SISO	Ant1	5755	14.72	≤30.00	PASS
11N40SISO	Ant1	5795	15.93	≤30.00	PASS
11AC20SISO	Ant1	5180	11.62	≤23.98	PASS
11AC20SISO	Ant1	5200	13.24	≤23.98	PASS
11AC20SISO	Ant1	5240	14.48	≤23.98	PASS
11AC20SISO	Ant1	5745	15.62	≤30.00	PASS
11AC20SISO	Ant1	5785	15.50	≤30.00	PASS
11AC20SISO	Ant1	5825	15.56	≤30.00	PASS
11AC40SISO	Ant1	5190	10.79	≤23.98	PASS
11AC40SISO	Ant1	5230	13.08	≤23.98	PASS
11AC40SISO	Ant1	5755	14.64	≤30.00	PASS
11AC40SISO	Ant1	5795	15.42	≤30.00	PASS
11AC80SISO	Ant1	5210	11.04	≤23.98	PASS
11AC80SISO	Ant1	5775	14.85	≤30.00	PASS



9 Power Spectral density

Test Requirement	: FCC CFR47 Part 15 Section 15.2407(a)
Test Method	: ANSI C63.10:2013
Test Limit	: For 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.. 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-kHzband. 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

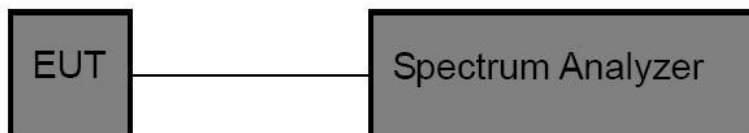


9.1 Test Procedure

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 and ANSI 63.10: 2013 Sec 10.3.7. For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in Section 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, "provided that the measured power is integrated over the full reference bandwidth" to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 kHz bandwidth, the following adjustments to the procedures apply:

- a) Set the RBW to 1 MHz.
- b) Set the VBW to be at least 1 MHz (a VBW of 3 MHz is desirable).
- c) Set the frequency span to examine the spectrum across a convenient frequency segment (e.g., 600 MHz).
- d) Select the power averaging (rms) detector.
- e) Set the sweep time so that there is no more than a 1 ms integration period over each measurement bin.
- f) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

9.2 Test Setup





9.3 Test Result

Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations / data rates and antenna ports.

Following channel was selected for the final test as listed below

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	1.03	≤11.00	PASS
11A	Ant1	5200	2.6	≤11.00	PASS
11A	Ant1	5240	2.19	≤11.00	PASS
11N20SISO	Ant1	5180	1.24	≤11.00	PASS
11N20SISO	Ant1	5200	1.71	≤11.00	PASS
11N20SISO	Ant1	5240	3.96	≤11.00	PASS
11N40SISO	Ant1	5190	-2.75	≤11.00	PASS
11N40SISO	Ant1	5230	-0.6	≤11.00	PASS
11AC20SISO	Ant1	5180	1.47	≤11.00	PASS
11AC20SISO	Ant1	5200	2.4	≤11.00	PASS
11AC20SISO	Ant1	5240	3.73	≤11.00	PASS
11AC40SISO	Ant1	5190	-2.74	≤11.00	PASS
11AC40SISO	Ant1	5230	-0.43	≤11.00	PASS
11AC80SISO	Ant1	5210	-3.26	≤11.00	PASS

TestMode	Antenna	Frequency[MHz]	Result [dBm/300kHz]	Result [dBm/500kHz]	Limit[dBm/500kHz]	Verdict
11A	Ant1	5745	-0.42	1.8	≤30.00	PASS
11A	Ant1	5785	-0.23	1.99	≤30.00	PASS
11A	Ant1	5825	-0.64	1.58	≤30.00	PASS
11N20SISO	Ant1	5745	1.04	3.26	≤30.00	PASS
11N20SISO	Ant1	5785	1.53	3.75	≤30.00	PASS
11N20SISO	Ant1	5825	1.99	4.21	≤30.00	PASS
11N40SISO	Ant1	5755	-1.39	0.83	≤30.00	PASS
11N40SISO	Ant1	5795	-1.07	1.15	≤30.00	PASS
11AC20SISO	Ant1	5745	1.65	3.87	≤30.00	PASS
11AC20SISO	Ant1	5785	1.43	3.65	≤30.00	PASS
11AC20SISO	Ant1	5825	1.26	3.48	≤30.00	PASS
11AC40SISO	Ant1	5755	-1.69	0.53	≤30.00	PASS
11AC40SISO	Ant1	5795	-0.81	1.41	≤30.00	PASS
11AC80SISO	Ant1	5775	-3.09	-0.87	≤30.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2. in the band 5.725–5.85 GHz the test RBW select 300KHz,so the measured result corrected by Result+10 log (500 kHz/300kHz).



Test Graphs:

11A-Ant1-5180-PASS



11A-Ant1-5200-PASS



11A-Ant1-5240-PASS