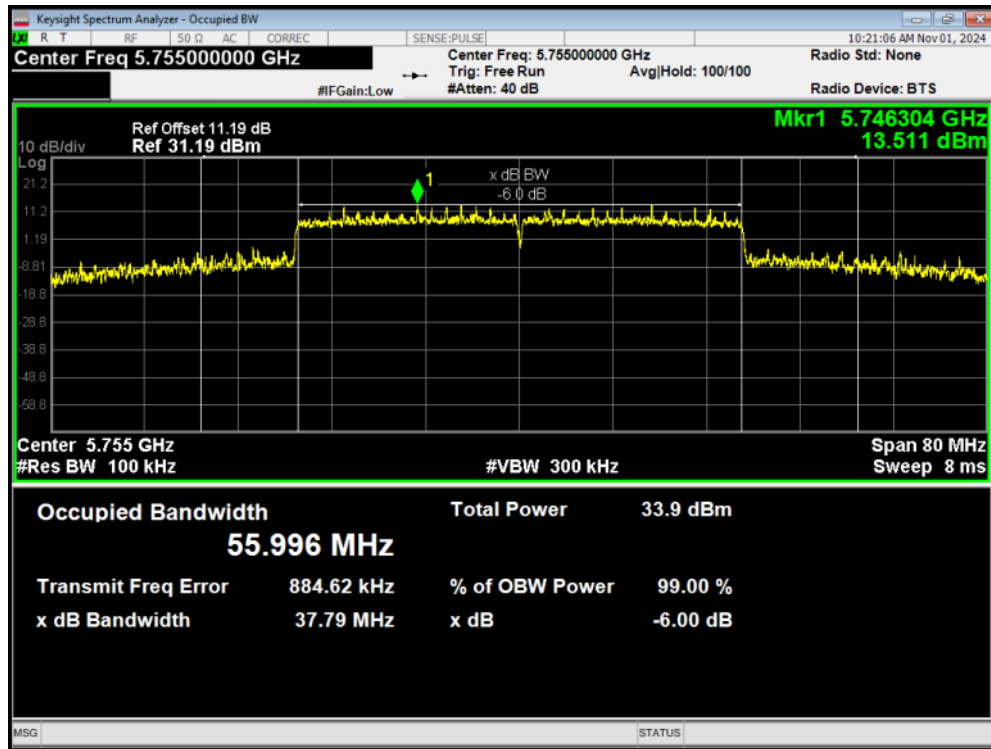
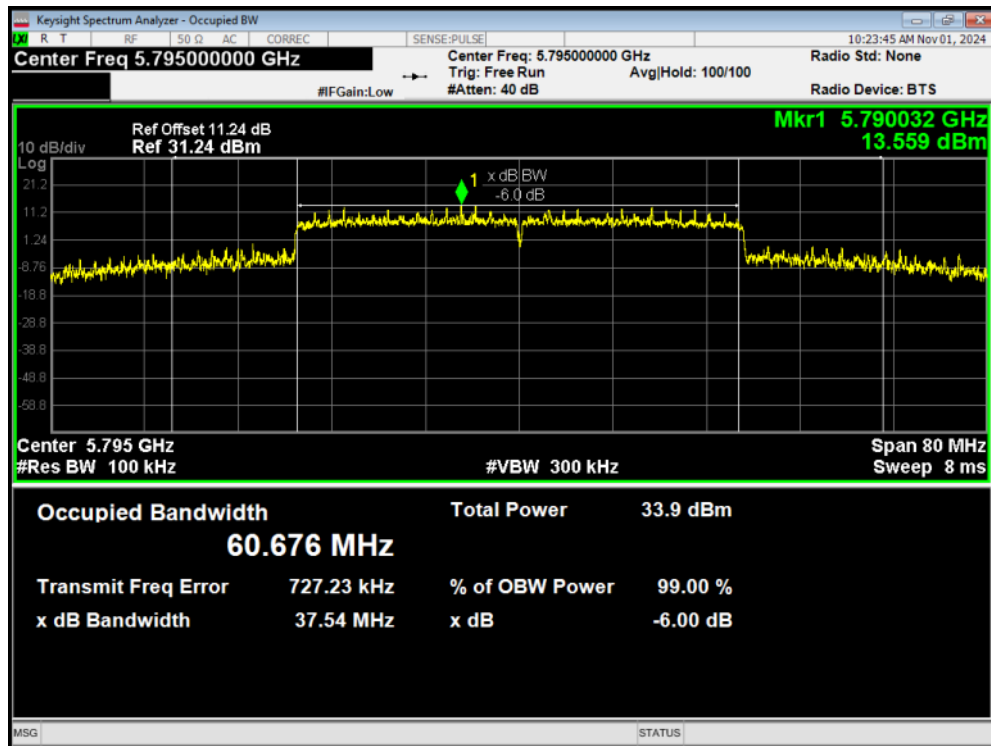


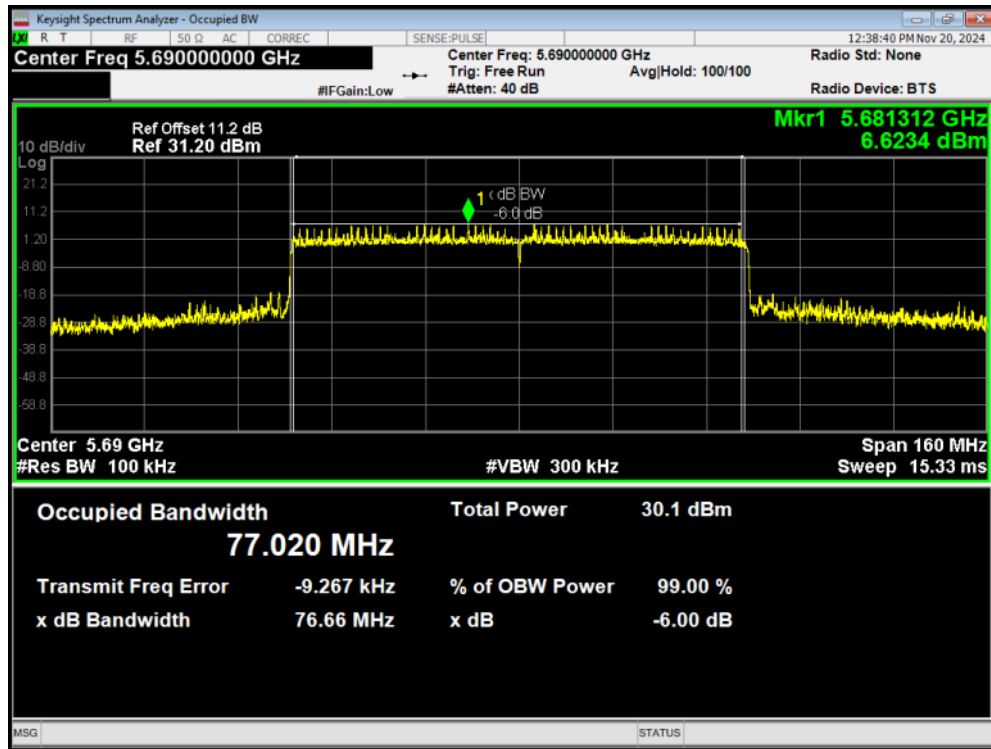
-6dB Bandwidth 802.11ax(HE40) 5755MHz



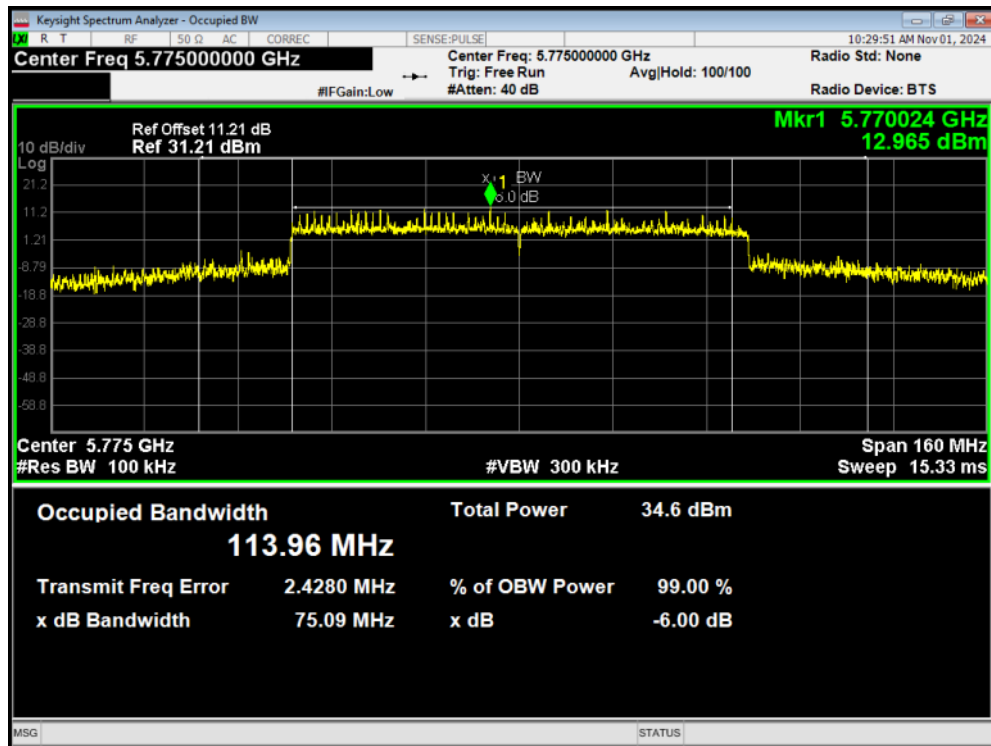
-6dB Bandwidth 802.11ax(HE40) 5795MHz



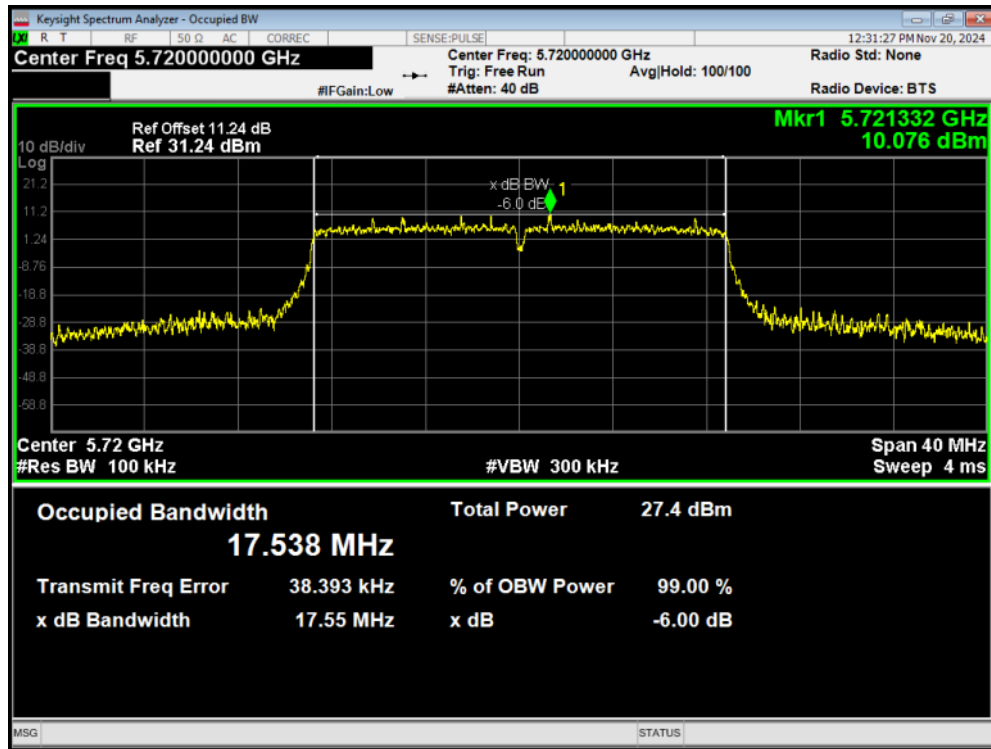
-6dB Bandwidth 802.11ax(HE80) 5690MHz



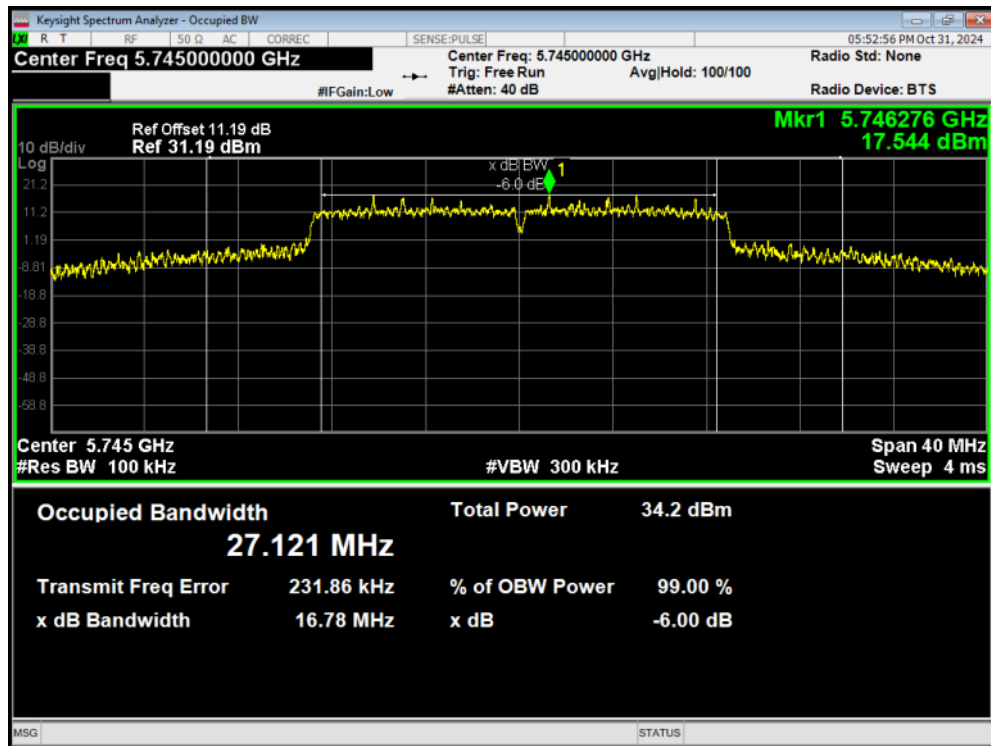
-6dB Bandwidth 802.11ax(HE80) 5775MHz



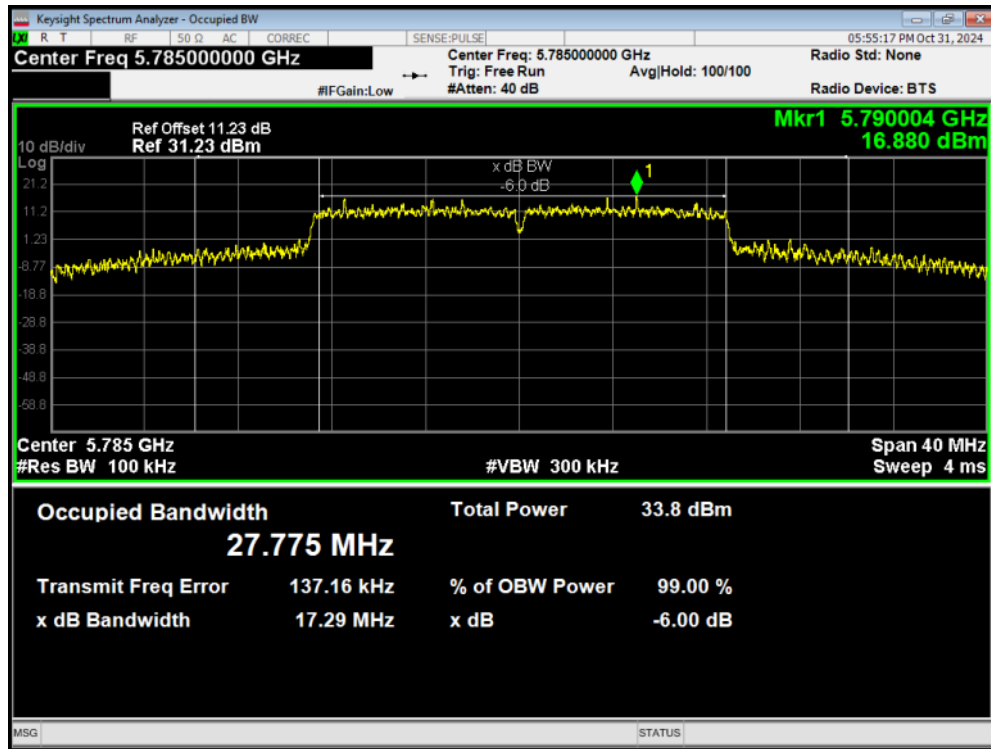
-6dB Bandwidth 802.11n(HT20) 5720MHz



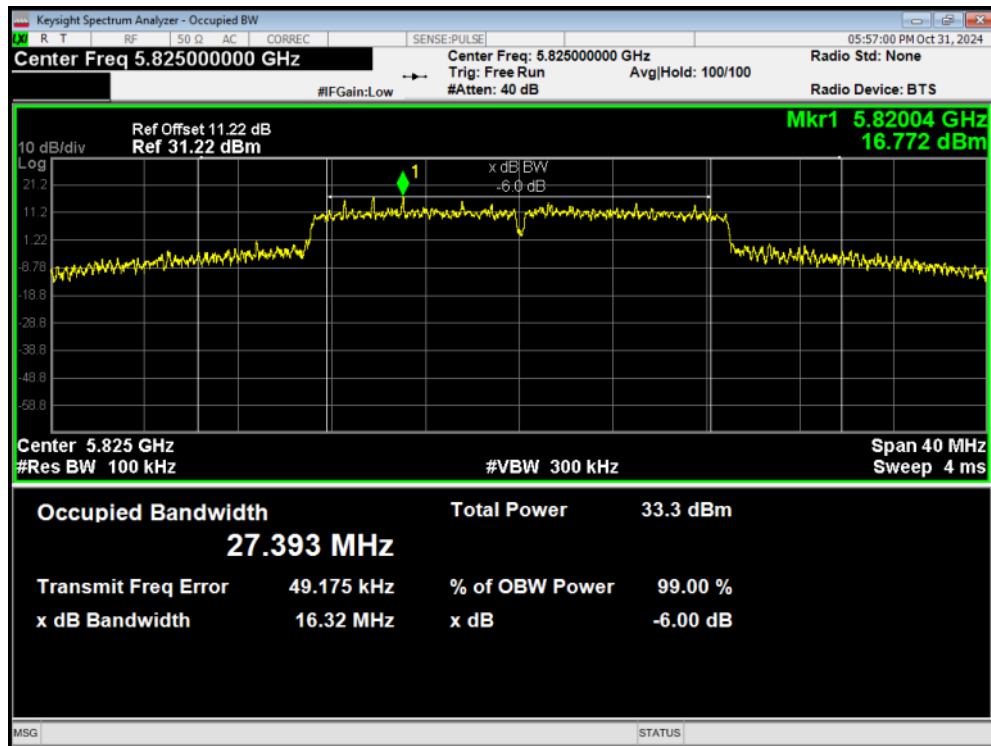
-6dB Bandwidth 802.11n(HT20) 5745MHz



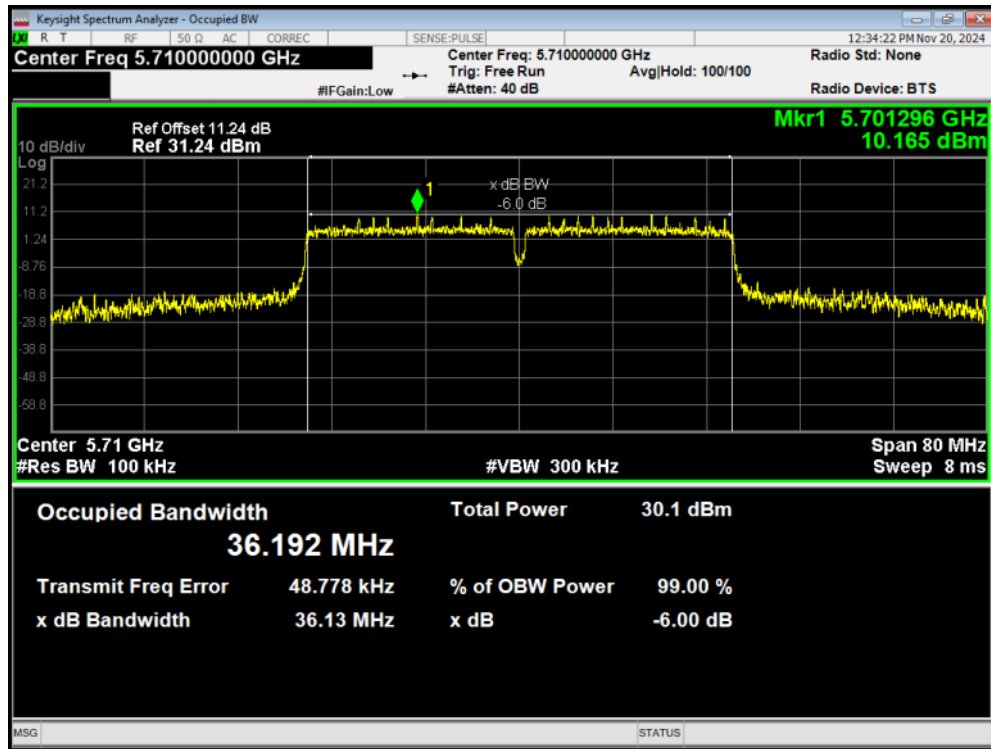
-6dB Bandwidth 802.11n(HT20) 5785MHz



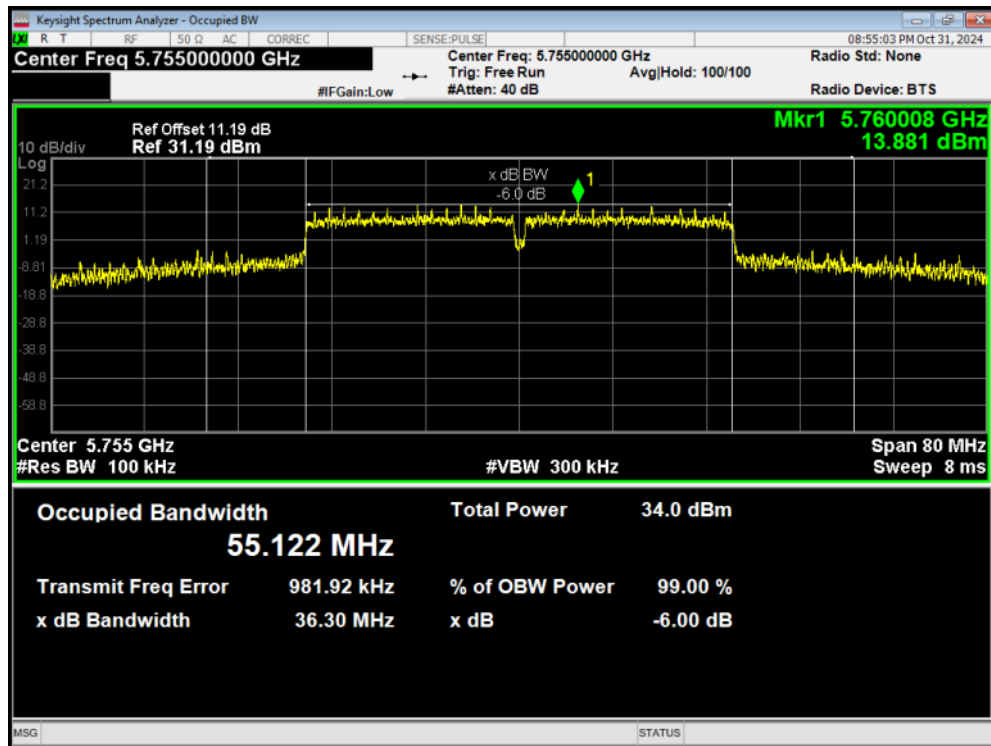
-6dB Bandwidth 802.11n(HT20) 5825MHz



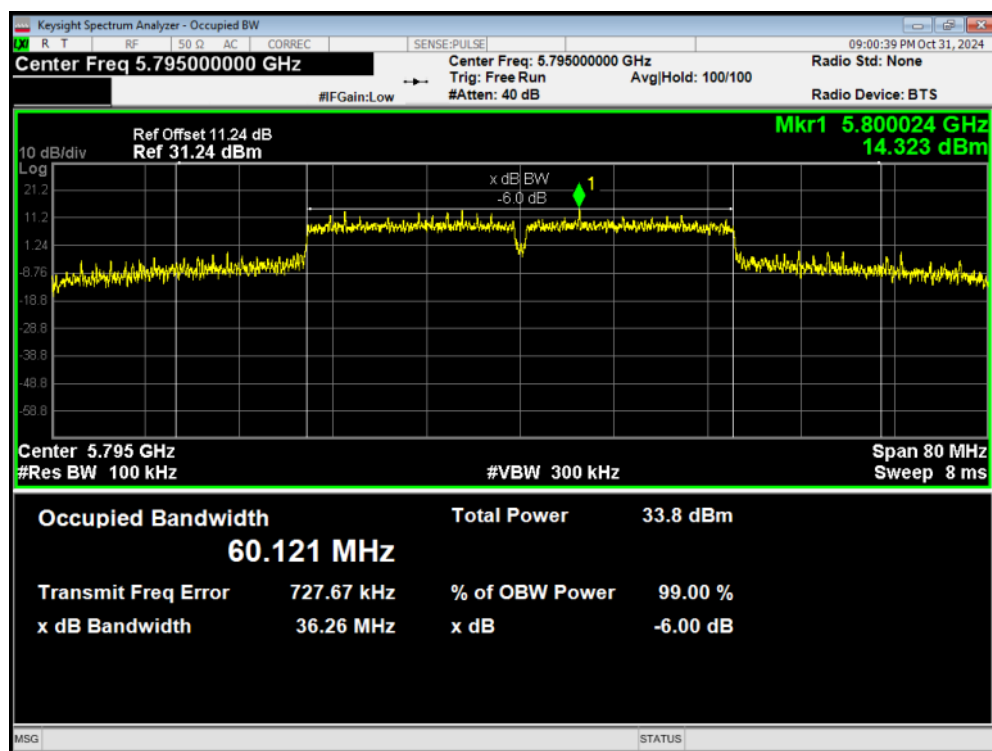
-6dB Bandwidth 802.11n(HT40) 5710MHz



-6dB Bandwidth 802.11n(HT40) 5755MHz



-6dB Bandwidth 802.11n(HT40) 5795MHz



5.2. Average Power Output

Ambient condition

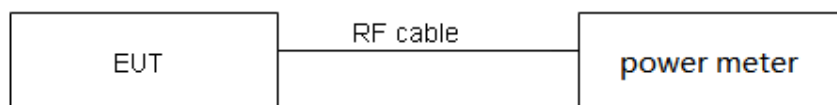
Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Methods of Measurement

During the process of the testing, The EUT was connected to the average power meter through an external attenuator and a known loss cable. The EUT is max power transmission with proper modulation. We use Maximum average Conducted Output Power Level Method in KDB789033 for this test

The conducted Power is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Test Setup



Limits

Rule FCC Part 15.407(a)(1) / FCC Part 15.407(a) (2) / FCC Part 15.407(a) (3)

(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).

(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 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 $11 \text{ dBm} + 10 \log B$, 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.

(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.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.44 \text{ dB}$.

Test Results

Mode	Duty cycle	Duty cycle correction Factor (dB)
802.11a	0.963	0.16
802.11n HT20	0.961	0.17
802.11n HT40	0.924	0.34
802.11ac VHT20	0.962	0.17
802.11ac VHT40	0.925	0.34
802.11ac VHT80	0.860	0.65
802.11ac VHT160	0.775	1.11
802.11ax HE20	0.950	0.22
802.11ax HE40	0.909	0.40
802.11ax HE80	0.844	0.74
802.11ax HE160	0.764	1.17
Note: when Duty cycle ≥ 0.98 , Duty cycle correction Factor not required.		

U-NII-1

Network Standards	Carrier frequency (MHz)	Power Index			
		SISO Antenna 1	SISO Antenna 2	MIMO	Beamforming
802.11a	36/5180	2200	2200	-	-
	40/5200	3200	3000	-	-
	48/5240	3200	3000	-	-
802.11n HT20	36/5180	2100	2100	2100	2100
	40/5200	3300	3100	2250	2250
	48/5240	3300	3100	2250	2250
802.11n HT40	38/5190	1600	1600	1600	1600
	46/5230	2800	2800	2700	2700
802.11ac VHT20	36/5180	2100	2100	2100	2100
	40/5200	3300	3200	2300	2300
	48/5240	3300	3100	2300	2300
802.11ac VHT40	38/5190	1600	1600	1600	1600
	46/5230	2800	2800	2700	2700
802.11ac VHT80	42/5210	1400	1400	1450	1450
802.11ax HE20	36/5180	2100	2100	2100	2100
	40/5200	3400	3200	2300	2300
	48/5240	3400	3000	2300	2300
802.11ax HE40	38/5190	1500	1500	1500	1500
	46/5230	2200	2200	2200	2200
802.11ax HE80	42/5210	1500	1500	1500	1500

U-NII-2A

Network Standards	Carrier frequency (MHz)	Power Index			
		SISO Antenna 1	SISO Antenna 2	MIMO	Beamforming
802.11a	52/5260	2200	2150	-	-
	60/5300	2200	2200	-	-
	64/5320	2200	2200	-	-
802.11n HT20	52/5260	2250	2200	1600	1600
	60/5300	2250	2250	1600	1600
	64/5320	2150	2150	1600	1600
802.11n HT40	54/5270	2600	2450	1950	1950
	62/5310	1700	1700	1700	1700
802.11ac VHT20	52/5260	2250	2200	1600	1600
	60/5300	2300	2200	1650	1650
	64/5320	2150	2150	1600	1600
802.11ac VHT40	54/5270	2600	2450	1950	1950
	62/5310	1700	1700	1700	1700
802.11ac VHT80	58/5290	1600	1600	1650	1650
802.11ac VHT160	50/5250	1600	1600	1600	1600
802.11ax HE20	52/5260	2300	2200	1650	1650
	60/5300	2300	2200	1650	1650
	64/5320	2100	2100	1650	1650
802.11ax HE40	54/5270	2600	2450	1950	1950
	62/5310	1700	1700	1700	1700
802.11ax HE80	58/5290	1600	1600	1650	1650
802.11ax HE160	50/5250	1600	1600	1600	1600

U-NII-2C

Network Standards	Carrier frequency (MHz)	Power Index			
		SISO Antenna 1	SISO Antenna 2	MIMO	Beamforming
802.11a	100/5500	1900	1900	-	-
	120/5600	2200	225	-	-
	140/5700	1800	1800	-	-
	144/5720	2100	205	-	-
802.11n HT20	100/5500	2100	205	1550	1550
	120/5600	2250	225	1700	1700
	140/5700	1900	1900	1550	1550
	144/5720	2150	21	1600	1600
802.11n HT40	102/5510	1700	1700	1700	1700
	118/5590	2500	25	2000	2000
	134/5670	2100	2100	2000	2000
	142/5710	2400	24	1900	1900
802.11ac VHT20	100/5500	2100	205	1500	1500
	120/5600	2250	225	1700	1700
	140/5700	1900	1900	1600	1600
	144/5720	2150	21	1600	1600
802.11ac VHT40	102/5510	1700	1700	1700	1700
	118/5590	2450	25	2050	2050
	134/5670	2100	2100	2000	2000
	142/5710	2400	24	2000	2000
802.11ac VHT80	106/5530	1500	1500	1500	1500
	122/5610	2200	2200	2200	2200
	138/5690	2450	245	2150	2150
802.11ac VHT160	114/5570	1700	1700	1700	1700
802.11ax HE20	100/5500	2000	2000	1550	1550
	120/5600	2250	225	1750	1750
	140/5700	1700	1700	1600	1600
	144/5720	2150	21	1600	1600
802.11ax HE40	102/5510	1800	1800	1800	1800
	118/5590	2500	25	2050	2050
	134/5670	2000	2000	2000	2000
	142/5710	2400	24	1900	1900
802.11ax HE80	106/5530	1700	1700	1700	1700
	122/5610	2400	2400	2200	2200
	138/5690	2400	24	2150	2150
802.11ax HE160	114/5570	1700	1700	1700	1700

U-NII-3

Network Standards	Carrier frequency (MHz)	Power Index			
		SISO Antenna 1	SISO Antenna 2	MIMO	Beamforming
802.11a	144/5720	2100	205	-	-
	149/5745	3100	3200	-	-
	157/5785	3100	3200	-	-
	165/5825	3100	3200	-	-
802.11n HT20	144/5720	2150	21	1600	1600
	149/5745	3100	3200	2700	2700
	157/5785	3100	3100	2650	2650
	165/5825	3100	3100	2800	2800
802.11n HT40	142/5710	2400	24	1900	1900
	151/5755	2300	2300	2300	2300
	159/5795	2600	2600	2600	2600
802.11ac VHT20	144/5720	2150	21	1600	1600
	149/5745	3100	3200	2750	2750
	157/5785	3200	3200	2650	2650
	165/5825	3300	3200	2750	2750
802.11ac VHT40	142/5710	2400	24	2000	2000
	151/5755	2300	2300	2300	2300
	159/5795	2600	2600	2600	2600
802.11ac VHT80	138/5690	2450	245	2150	2150
	155/5775	2000	2000	2000	2000
802.11ax HE20	144/5720	2150	21	1600	1600
	149/5745	3100	3200	2700	2700
	157/5785	3100	3200	2600	2600
	165/5825	3200	3200	2750	2750
802.11ax HE40	142/5710	2400	24	1900	1900
	151/5755	2400	2400	2400	2400
	159/5795	2800	2800	2600	2600
802.11ax HE80	138/5690	2400	24	2150	2150
	155/5775	2100	2100	2100	2100

Test Mode		Channel/ Frequency (MHz)	B=26 dB bandwidth (MHz)	Limit 11 dBm + 10 log B (dBm)	Final Limit (dBm)
U-NII-2A	802.11a	52/5260	18.91	23.77 <24	23.77
		60/5300	18.92	23.77 <24	23.77
		64/5320	18.80	23.74 <24	23.74
	802.11n HT20	52/5260	19.72	23.95 <24	23.95
		60/5300	19.73	23.95 <24	23.95
		64/5320	19.59	23.92 <24	23.92
	802.11n HT40	54/5270	53.52	28.29 >24	24.00
		62/5310	55.54	28.45 >24	24.00
	802.11ac VHT20	52/5260	19.60	23.92 <24	23.92
		60/5300	19.66	23.94 <24	23.94
		64/5320	19.85	23.98 <24	23.98
	802.11ac VHT40	54/5270	44.46	27.48 >24	24.00
		62/5310	48.82	27.89 >24	24.00
	802.11ac VHT80	58/5290	92.65	30.67 >24	24.00
	802.11ac VHT160	50/5250	254.54	35.06 >24	24.00
	802.11ax HE20	52/5260	20.30	24.07 >24	24.00
		60/5300	20.28	24.07 >24	24.00
		64/5320	20.41	24.10 >24	24.00
	802.11ax HE40	54/5270	40.20	27.04 >24	24.00
		62/5310	46.58	27.68 >24	24.00
	802.11ax HE80	58/5290	96.05	30.82 >24	24.00
	802.11ax HE160	50/5250	296.30	35.72 >24	24.00
U-NII-2C	802.11a	100/5500	18.69	23.72 <24	23.72
		120/5600	18.64	23.71 <24	23.71
		140/5700	18.94	23.77 <24	23.77
		144/5720	18.73	23.73 <24	23.73
	802.11n HT20	100/5500	19.66	23.93 <24	23.93
		120/5600	19.65	23.93 <24	23.93
		140/5700	19.69	23.94 <24	23.94
		144/5720	19.76	23.96 <24	23.96
	802.11n HT40	102/5510	46.47	27.67 >24	24.00
		118/5590	49.08	27.91 >24	24.00
		134/5670	46.57	27.68 >24	24.00
		142/5710	61.93	28.92 >24	24.00
	802.11ac VHT20	100/5500	19.61	23.92 <24	23.92
		120/5600	19.78	23.96 <24	23.96
		140/5700	19.58	23.92 <24	23.92
		144/5720	19.57	23.92 <24	23.92
	802.11ac VHT40	102/5510	54.91	28.40 >24	24.00

		118/5590	39.32	26.95 >24	24.00
		134/5670	56.91	28.55 >24	24.00
		142/5710	67.29	29.28 >24	24.00
	802.11ac VHT80	106/5530	85.01	30.29 >24	24.00
		122/5610	105.67	31.24 >24	24.00
		138/5690	106.47	31.27 >24	24.00
	802.11ac VHT160	114/5570	281.51	35.49 >24	24.00
	802.11ax HE20	100/5500	20.25	24.06 >24	24.00
		120/5600	20.37	24.09 >24	24.00
		140/5700	20.21	24.06 >24	24.00
		144/5720	20.44	24.10 >24	24.00
	802.11ax HE40	102/5510	46.55	27.68 >24	24.00
		118/5590	48.85	27.89 >24	24.00
		134/5670	46.60	27.68 >24	24.00
		142/5710	62.10	28.93 >24	24.00
	802.11ax HE80	106/5530	81.05	30.09 >24	24.00
		122/5610	96.57	30.85 >24	24.00
		138/5690	96.58	30.85 >24	24.00
	802.11ax HE160	114/5570	295.65	35.71 >24	24.00
Note: 250mW=24dBm					

SISO Antenna 1
U-NII-1

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	36/5180	21.36	21.52	30	PASS
	40/5200	27.13	27.29	30	PASS
	48/5240	27.16	27.32	30	PASS
802.11n HT20	36/5180	20.38	20.55	30	PASS
	40/5200	27.10	27.27	30	PASS
	48/5240	27.11	27.28	30	PASS
802.11n HT40	38/5190	15.80	16.14	30	PASS
	46/5230	25.48	25.82	30	PASS
802.11ac VHT20	36/5180	20.41	20.58	30	PASS
	40/5200	26.88	27.05	30	PASS
	48/5240	27.23	27.40	30	PASS
802.11ac VHT40	38/5190	15.72	16.06	30	PASS
	46/5230	25.48	25.82	30	PASS
802.11ac VHT80	42/5210	14.02	14.67	30	PASS
802.11ax HE20	36/5180	20.34	20.56	30	PASS
	40/5200	27.12	27.34	30	PASS
	48/5240	27.16	27.38	30	PASS
802.11ax HE40	38/5190	14.97	15.37	30	PASS
	46/5230	21.14	21.54	30	PASS
802.11ax HE80	42/5210	14.90	15.64	30	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	52/5260	20.89	21.05	23.77	PASS
	60/5300	20.67	20.83	23.77	PASS
	64/5320	20.81	20.97	23.74	PASS
802.11n HT20	52/5260	21.25	21.42	23.95	PASS
	60/5300	21.11	21.28	23.95	PASS
	64/5320	20.63	20.80	23.92	PASS
802.11n HT40	54/5270	23.53	23.87	24.00	PASS
	62/5310	16.47	16.81	24.00	PASS
802.11ac VHT20	52/5260	21.13	21.30	23.92	PASS
	60/5300	21.40	21.57	23.94	PASS
	64/5320	20.61	20.78	23.98	PASS
802.11ac VHT40	54/5270	23.44	23.78	24.00	PASS
	62/5310	16.45	16.79	24.00	PASS
802.11ac VHT80	58/5290	15.62	16.27	24.00	PASS
802.11ac VHT160	50/5250	15.59	16.70	24.00	PASS
802.11ax HE20	52/5260	21.58	21.80	24.00	PASS
	60/5300	21.35	21.57	24.00	PASS
	64/5320	20.09	20.31	24.00	PASS
802.11ax HE40	54/5270	23.36	23.76	24.00	PASS
	62/5310	16.65	17.05	24.00	PASS
802.11ax HE80	58/5290	15.58	16.32	24.00	PASS
802.11ax HE160	50/5250	15.61	16.78	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	100/5500	19.48	19.64	23.72	PASS
	120/5600	20.80	20.96	23.71	PASS
	140/5700	17.95	18.11	23.77	PASS
	144/5720	20.14	20.30	23.73	PASS
802.11n HT20	100/5500	21.23	21.40	23.93	PASS
	120/5600	21.30	21.47	23.93	PASS
	140/5700	18.98	19.15	23.94	PASS
	144/5720	20.52	20.69	23.96	PASS
802.11n HT40	102/5510	17.57	17.91	24.00	PASS
	118/5590	23.55	23.89	24.00	PASS
	134/5670	19.75	20.09	24.00	PASS
	142/5710	23.44	23.78	24.00	PASS
802.11ac VHT20	100/5500	21.26	21.43	23.92	PASS
	120/5600	21.32	21.49	23.96	PASS
	140/5700	18.99	19.16	23.92	PASS
	144/5720	20.44	20.61	23.92	PASS
802.11ac VHT40	102/5510	17.58	17.92	24.00	PASS
	118/5590	23.21	23.55	24.00	PASS
	134/5670	19.78	20.12	24.00	PASS
	142/5710	23.39	23.73	24.00	PASS
802.11ac VHT80	106/5530	15.39	16.04	24.00	PASS
	122/5610	20.31	20.96	24.00	PASS
	138/5690	23.27	23.92	24.00	PASS
802.11ac VHT160	114/5570	16.39	17.50	24.00	PASS
802.11ax HE20	100/5500	20.40	20.62	24.00	PASS
	120/5600	21.21	21.43	24.00	PASS
	140/5700	16.98	17.20	24.00	PASS
	144/5720	20.37	20.59	24.00	PASS
802.11ax HE40	102/5510	18.49	18.89	24.00	PASS
	118/5590	23.52	23.92	24.00	PASS
	134/5670	18.72	19.12	24.00	PASS
	142/5710	23.36	23.76	24.00	PASS
802.11ax HE80	106/5530	16.75	17.49	24.00	PASS
	122/5610	22.25	22.99	24.00	PASS
	138/5690	22.77	23.51	24.00	PASS
802.11ax HE160	114/5570	16.46	17.63	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-3

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	144/5720	13.67	13.83	30	PASS
	149/5745	27.63	27.79	30	PASS
	157/5785	27.51	27.67	30	PASS
	165/5825	26.98	27.14	30	PASS
802.11n HT20	144/5720	14.53	14.70	30	PASS
	149/5745	27.60	27.77	30	PASS
	157/5785	27.42	27.59	30	PASS
	165/5825	26.86	27.03	30	PASS
802.11n HT40	142/5710	12.87	13.21	30	PASS
	151/5755	23.57	23.91	30	PASS
	159/5795	24.84	25.18	30	PASS
802.11ac VHT20	144/5720	14.64	14.81	30	PASS
	149/5745	27.59	27.76	30	PASS
	157/5785	27.33	27.50	30	PASS
	165/5825	26.91	27.08	30	PASS
802.11ac VHT40	142/5710	12.84	13.18	30	PASS
	151/5755	23.60	23.94	30	PASS
	159/5795	24.84	25.18	30	PASS
802.11ac VHT80	138/5690	9.46	10.11	30	PASS
	155/5775	21.14	21.79	30	PASS
802.11ax HE20	144/5720	14.82	15.04	30	PASS
	149/5745	27.50	27.72	30	PASS
	157/5785	27.29	27.51	30	PASS
	165/5825	26.90	27.12	30	PASS
802.11ax HE40	142/5710	13.29	13.69	30	PASS
	151/5755	24.40	24.80	30	PASS
	159/5795	25.80	26.20	30	PASS
802.11ax HE80	138/5690	9.60	10.34	30	PASS
	155/5775	22.05	22.79	30	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

SISO Antenna 2
U-NII-1

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	36/5180	21.84	22.00	30	PASS
	40/5200	27.13	27.29	30	PASS
	48/5240	27.26	27.42	30	PASS
802.11n HT20	36/5180	20.85	21.02	30	PASS
	40/5200	27.49	27.66	30	PASS
	48/5240	27.51	27.68	30	PASS
802.11n HT40	38/5190	16.26	16.60	30	PASS
	46/5230	25.90	26.24	30	PASS
802.11ac VHT20	36/5180	20.83	21.00	30	PASS
	40/5200	27.45	27.62	30	PASS
	48/5240	27.58	27.75	30	PASS
802.11ac VHT40	38/5190	16.30	16.64	30	PASS
	46/5230	26.14	26.48	30	PASS
802.11ac VHT80	42/5210	14.21	14.86	30	PASS
802.11ax HE20	36/5180	20.84	21.06	30	PASS
	40/5200	27.57	27.79	30	PASS
	48/5240	27.10	27.32	30	PASS
802.11ax HE40	38/5190	15.42	15.82	30	PASS
	46/5230	21.83	22.23	30	PASS
802.11ax HE80	42/5210	15.18	15.92	30	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	52/5260	21.03	21.19	23.77	PASS
	60/5300	21.10	21.26	23.77	PASS
	64/5320	21.06	21.22	23.74	PASS
802.11n HT20	52/5260	21.38	21.55	23.95	PASS
	60/5300	21.46	21.63	23.95	PASS
	64/5320	21.04	21.21	23.92	PASS
802.11n HT40	54/5270	23.44	23.78	24.00	PASS
	62/5310	16.76	17.10	24.00	PASS
802.11ac VHT20	52/5260	21.35	21.52	23.92	PASS
	60/5300	21.09	21.26	23.94	PASS
	64/5320	21.04	21.21	23.98	PASS
802.11ac VHT40	54/5270	23.60	23.94	24.00	PASS
	62/5310	16.79	17.13	24.00	PASS
802.11ac VHT80	58/5290	15.78	16.43	24.00	PASS
802.11ac VHT160	50/5250	15.80	16.91	24.00	PASS
802.11ax HE20	52/5260	21.44	21.66	24.00	PASS
	60/5300	21.08	21.30	24.00	PASS
	64/5320	20.60	20.82	24.00	PASS
802.11ax HE40	54/5270	23.50	23.90	24.00	PASS
	62/5310	16.86	17.26	24.00	PASS
802.11ax HE80	58/5290	15.77	16.51	24.00	PASS
802.11ax HE160	50/5250	15.80	16.97	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	100/5500	19.70	19.86	23.72	PASS
	120/5600	21.19	21.35	23.71	PASS
	140/5700	18.13	18.29	23.77	PASS
	144/5720	20.04	20.20	23.73	PASS
802.11n HT20	100/5500	21.27	21.44	23.93	PASS
	120/5600	21.31	21.48	23.93	PASS
	140/5700	19.14	19.31	23.94	PASS
	144/5720	20.37	20.54	23.96	PASS
802.11n HT40	102/5510	17.66	18.00	24.00	PASS
	118/5590	23.43	23.77	24.00	PASS
	134/5670	19.83	20.17	24.00	PASS
	142/5710	23.55	23.89	24.00	PASS
802.11ac VHT20	100/5500	21.34	21.51	23.92	PASS
	120/5600	21.29	21.46	23.96	PASS
	140/5700	19.06	19.23	23.92	PASS
	144/5720	20.43	20.60	23.92	PASS
802.11ac VHT40	102/5510	17.59	17.93	24.00	PASS
	118/5590	23.50	23.84	24.00	PASS
	134/5670	19.87	20.21	24.00	PASS
	142/5710	23.65	23.99	24.00	PASS
802.11ac VHT80	106/5530	15.10	15.75	24.00	PASS
	122/5610	19.94	20.59	24.00	PASS
	138/5690	23.33	23.98	24.00	PASS
802.11ac VHT160	114/5570	15.83	16.94	24.00	PASS
802.11ax HE20	100/5500	20.48	20.70	24.00	PASS
	120/5600	21.27	21.49	24.00	PASS
	140/5700	16.97	17.19	24.00	PASS
	144/5720	20.30	20.52	24.00	PASS
802.11ax HE40	102/5510	18.60	19.00	24.00	PASS
	118/5590	23.49	23.89	24.00	PASS
	134/5670	18.78	19.18	24.00	PASS
	142/5710	23.35	23.75	24.00	PASS
802.11ax HE80	106/5530	17.05	17.79	24.00	PASS
	122/5610	21.94	22.68	24.00	PASS
	138/5690	22.97	23.71	24.00	PASS
802.11ax HE160	114/5570	15.86	17.03	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

U-NII-3

Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	144/5720	13.53	13.69	30	PASS
	149/5745	27.60	27.76	30	PASS
	157/5785	27.23	27.39	30	PASS
	165/5825	26.51	26.67	30	PASS
802.11n HT20	144/5720	14.29	14.46	30	PASS
	149/5745	27.47	27.64	30	PASS
	157/5785	27.23	27.40	30	PASS
	165/5825	26.57	26.74	30	PASS
802.11n HT40	142/5710	13.00	13.34	30	PASS
	151/5755	23.43	23.77	30	PASS
	159/5795	24.81	25.15	30	PASS
802.11ac VHT20	144/5720	14.29	14.46	30	PASS
	149/5745	27.55	27.72	30	PASS
	157/5785	27.31	27.48	30	PASS
	165/5825	26.60	26.77	30	PASS
802.11ac VHT40	142/5710	13.10	13.44	30	PASS
	151/5755	23.39	23.73	30	PASS
	159/5795	24.69	25.03	30	PASS
802.11ac VHT80	138/5690	9.68	10.33	30	PASS
	155/5775	20.78	21.43	30	PASS
802.11ax HE20	144/5720	14.45	14.67	30	PASS
	149/5745	27.46	27.68	30	PASS
	157/5785	27.28	27.50	30	PASS
	165/5825	26.66	26.88	30	PASS
802.11ax HE40	142/5710	13.79	14.19	30	PASS
	151/5755	24.12	24.52	30	PASS
	159/5795	25.53	25.93	30	PASS
802.11ax HE80	138/5690	9.88	10.62	30	PASS
	155/5775	21.62	22.36	30	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

MIMO
U-NII-1

Test Mode	Channel/ Frequency (MHz)	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11n HT20	36/5180	20.47	20.64	21.08	21.25	23.97	30.00	PASS
	40/5200	21.62	21.79	22.08	22.25	25.03	30.00	PASS
	48/5240	21.41	21.58	22.30	22.47	25.06	30.00	PASS
802.11n HT40	38/5190	15.89	16.23	16.30	16.64	19.45	30.00	PASS
	46/5230	24.93	25.27	24.89	25.23	28.26	30.00	PASS
802.11ac VHT20	36/5180	20.45	20.62	21.09	21.26	23.96	30.00	PASS
	40/5200	21.97	22.14	22.32	22.49	25.33	30.00	PASS
	48/5240	21.76	21.93	22.65	22.82	25.41	30.00	PASS
802.11ac VHT40	38/5190	15.97	16.31	16.37	16.71	19.53	30.00	PASS
	46/5230	25.09	25.43	24.96	25.30	28.37	30.00	PASS
802.11ac VHT80	42/5210	14.70	15.35	14.86	15.51	18.44	30.00	PASS
802.11ax HE20	36/5180	20.42	20.64	20.97	21.19	23.93	30.00	PASS
	40/5200	21.89	22.11	22.23	22.45	25.29	30.00	PASS
	48/5240	21.63	21.85	22.53	22.75	25.33	30.00	PASS
802.11ax HE40	38/5190	15.24	15.64	15.45	15.85	18.75	30.00	PASS
	46/5230	21.03	21.43	21.49	21.89	24.68	30.00	PASS
802.11ax HE80	42/5210	15.01	15.75	15.28	16.02	18.90	30.00	PASS
Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1), The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$. 2. The manufacturer declared that the directional gain = 5.44 dBi < 6dBi. So the power limit is 30dBm.								

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11n HT20	52/5260	15.78	15.95	16.42	16.59	19.29	23.95	PASS
	60/5300	15.70	15.87	16.14	16.31	19.10	23.95	PASS
	64/5320	15.73	15.90	16.23	16.40	19.17	23.92	PASS
802.11n HT40	54/5270	18.70	19.04	19.41	19.75	22.42	24.00	PASS
	62/5310	16.52	16.86	17.13	17.47	20.18	24.00	PASS
802.11ac VHT20	52/5260	15.62	15.79	16.36	16.53	19.19	23.92	PASS
	60/5300	16.00	16.17	16.59	16.76	19.48	23.94	PASS
	64/5320	15.65	15.82	16.19	16.36	19.11	23.98	PASS
802.11ac VHT40	54/5270	18.56	18.90	19.19	19.53	22.24	24.00	PASS
	62/5310	16.45	16.79	16.88	17.22	20.02	24.00	PASS
802.11ac VHT80	58/5290	15.71	16.36	16.02	16.67	19.53	24.00	PASS
802.11ac VHT160	50/5250	15.05	16.16	15.51	16.62	19.41	24.00	PASS
802.11ax HE20	52/5260	16.06	16.28	16.70	16.92	19.62	24.00	PASS
	60/5300	15.91	16.13	16.45	16.67	19.42	24.00	PASS
	64/5320	15.95	16.17	16.51	16.73	19.47	24.00	PASS
802.11ax HE40	54/5270	18.54	18.94	19.18	19.58	22.28	24.00	PASS
	62/5310	16.30	16.70	16.71	17.11	19.92	24.00	PASS
802.11ax HE80	58/5290	15.58	16.32	16.03	16.77	19.56	24.00	PASS
802.11ax HE160	50/5250	15.11	16.28	15.50	16.67	19.49	24.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2. The manufacturer declared that the directional gain = $5.44+0=5.44\text{dBi}<6\text{dBi}$.

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11n HT20	100/5500	16.05	16.22	16.59	16.76	19.51	23.93	PASS
	120/5600	16.29	16.46	16.06	16.23	19.35	23.93	PASS
	140/5700	15.66	15.83	16.16	16.33	19.10	23.94	PASS
	144/5720	15.24	15.41	15.68	15.85	18.65	23.96	PASS
802.11n HT40	102/5510	17.75	18.09	17.57	17.91	21.01	24.00	PASS
	118/5590	19.09	19.43	18.81	19.15	22.30	24.00	PASS
	134/5670	18.70	19.04	19.22	19.56	22.32	24.00	PASS
	142/5710	18.75	19.09	19.16	19.50	22.31	24.00	PASS
802.11ac VHT20	100/5500	15.93	16.10	16.33	16.50	19.31	23.92	PASS
	120/5600	16.16	16.33	15.89	16.06	19.21	23.96	PASS
	140/5700	16.01	16.18	16.66	16.83	19.52	23.92	PASS
	144/5720	15.26	15.43	15.64	15.81	18.64	23.92	PASS
802.11ac VHT40	102/5510	17.36	17.70	17.24	17.58	20.65	24.00	PASS
	118/5590	19.45	19.79	19.24	19.58	22.70	24.00	PASS
	134/5670	18.77	19.11	19.19	19.53	22.33	24.00	PASS
	142/5710	18.77	19.11	19.09	19.43	22.28	24.00	PASS
802.11ac VHT80	106/5530	15.06	15.71	14.86	15.51	18.62	24.00	PASS
	122/5610	19.97	20.62	20.12	20.77	23.71	24.00	PASS
	138/5690	20.03	20.68	20.46	21.11	23.91	24.00	PASS
802.11ac VHT160	114/5570	16.17	17.28	15.31	16.42	19.88	24.00	PASS
802.11ax HE20	100/5500	16.34	16.56	16.69	16.91	19.75	24.00	PASS
	120/5600	16.57	16.79	16.41	16.63	19.72	24.00	PASS
	140/5700	15.97	16.19	16.53	16.75	19.49	24.00	PASS
	144/5720	15.07	15.29	15.51	15.73	18.52	24.00	PASS
802.11ax HE40	102/5510	18.19	18.59	18.17	18.57	21.59	24.00	PASS
	118/5590	19.16	19.56	18.84	19.24	22.42	24.00	PASS
	134/5670	18.61	19.01	18.47	18.87	21.95	24.00	PASS
	142/5710	18.34	18.74	18.75	19.15	21.96	24.00	PASS
802.11ax HE80	106/5530	16.98	17.72	16.48	17.22	20.49	24.00	PASS
	122/5610	19.97	20.71	19.95	20.69	23.71	24.00	PASS
	138/5690	20.01	20.75	20.40	21.14	23.96	24.00	PASS
802.11ax HE160	114/5570	16.21	17.38	15.31	16.48	19.96	24.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2. The manufacturer declared that the directional gain = 5.24 dBi < 6dBi.

U-NII-3

Test Mode	Channel/ Frequency (MHz)	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11n HT20	144/5720	9.09	9.26	9.63	9.80	12.55	30.00	PASS
	149/5745	25.36	25.53	25.57	25.74	28.65	30.00	PASS
	157/5785	25.54	25.71	24.81	24.98	28.37	30.00	PASS
	165/5825	25.56	25.73	25.02	25.19	28.48	30.00	PASS
802.11n HT40	142/5710	8.29	8.63	8.18	8.52	11.58	30.00	PASS
	151/5755	23.75	24.09	23.44	23.78	26.95	30.00	PASS
	159/5795	25.37	25.71	24.47	24.81	28.29	30.00	PASS
802.11ac VHT20	144/5720	9.46	9.63	9.63	9.80	12.73	30.00	PASS
	149/5745	25.48	25.65	25.71	25.88	28.77	30.00	PASS
	157/5785	25.66	25.83	24.82	24.99	28.44	30.00	PASS
	165/5825	25.30	25.47	24.86	25.03	28.26	30.00	PASS
802.11ac VHT40	142/5710	8.88	9.22	9.11	9.45	12.34	30.00	PASS
	151/5755	23.58	23.92	23.20	23.54	26.74	30.00	PASS
	159/5795	25.46	25.80	24.48	24.82	28.35	30.00	PASS
802.11ac VHT80	138/5690	6.49	7.14	6.29	6.94	10.05	30.00	PASS
	155/5775	20.84	21.49	20.40	21.05	24.28	30.00	PASS
802.11ax HE20	144/5720	9.63	9.85	9.84	10.06	12.97	30.00	PASS
	149/5745	25.32	25.54	25.63	25.85	28.71	30.00	PASS
	157/5785	25.63	25.85	24.76	24.98	28.45	30.00	PASS
	165/5825	25.31	25.53	24.65	24.87	28.22	30.00	PASS
802.11ax HE40	142/5710	8.65	9.05	8.57	8.97	12.02	30.00	PASS
	151/5755	24.32	24.72	23.98	24.38	27.56	30.00	PASS
	159/5795	25.50	25.90	24.50	24.90	28.44	30.00	PASS
802.11ax HE80	138/5690	7.37	8.11	6.99	7.73	10.93	30.00	PASS
	155/5775	21.78	22.52	21.20	21.94	25.25	30.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2. The manufacturer declared that the directional gain = 5.75 dBi < 6dBi. So the power limit is 30dBm.

Beamforming

U-NII-1

Test Mode	Channel/ Frequency (MHz)	Beamforming Antenna 1		Beamforming Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11n HT20	36/5180	20.24	20.41	20.98	21.15	23.81	30.00	PASS
	40/5200	21.51	21.68	22.04	22.21	24.96	30.00	PASS
	48/5240	21.50	21.67	21.96	22.13	24.91	30.00	PASS
802.11n HT40	38/5190	15.93	16.27	15.86	16.20	19.25	30.00	PASS
	46/5230	24.79	25.13	24.50	24.84	28.00	30.00	PASS
802.11ac VHT20	36/5180	20.16	20.33	20.77	20.94	23.66	30.00	PASS
	40/5200	21.79	21.96	22.24	22.41	25.20	30.00	PASS
	48/5240	21.77	21.94	22.22	22.39	25.18	30.00	PASS
802.11ac VHT40	38/5190	15.64	15.98	16.13	16.47	19.24	30.00	PASS
	46/5230	24.85	25.19	24.60	24.94	28.08	30.00	PASS
802.11ac VHT80	42/5210	14.50	15.15	14.63	15.28	18.22	30.00	PASS
802.11ax HE20	36/5180	20.09	20.31	20.63	20.85	23.60	30.00	PASS
	40/5200	21.65	21.87	22.12	22.34	25.12	30.00	PASS
	48/5240	21.76	21.98	22.16	22.38	25.20	30.00	PASS
802.11ax HE40	38/5190	14.83	15.23	15.31	15.71	18.48	30.00	PASS
	46/5230	20.99	21.39	21.43	21.83	24.62	30.00	PASS
802.11ax HE80	42/5210	14.91	15.65	15.01	15.75	18.71	30.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2.The manufacturer declared that the directional gain =5.44 dBi<6dBi. So the power limit is 30dBm.

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	Beamforming Antenna 1		Beamforming Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11n HT20	52/5260	15.68	15.85	16.03	16.20	19.04	23.95	PASS
	60/5300	15.46	15.63	15.80	15.97	18.81	23.95	PASS
	64/5320	15.48	15.65	15.94	16.11	18.89	23.92	PASS
802.11n HT40	54/5270	19.04	19.38	19.07	19.41	22.40	24.00	PASS
	62/5310	16.64	16.98	16.51	16.85	19.92	24.00	PASS
802.11ac VHT20	52/5260	15.50	15.67	15.90	16.07	18.89	23.92	PASS
	60/5300	16.06	16.23	15.95	16.12	19.19	23.94	PASS
	64/5320	15.46	15.63	15.80	15.97	18.81	23.98	PASS
802.11ac VHT40	54/5270	18.77	19.11	18.75	19.09	22.11	24.00	PASS
	62/5310	16.20	16.54	16.56	16.90	19.73	24.00	PASS
802.11ac VHT80	58/5290	15.54	16.19	15.68	16.33	19.27	24.00	PASS
802.11ac VHT160	50/5250	14.97	16.08	15.29	16.40	19.25	24.00	PASS
802.11ax HE20	52/5260	16.07	16.29	16.32	16.54	19.43	24.00	PASS
	60/5300	15.93	16.15	15.94	16.16	19.17	24.00	PASS
	64/5320	15.96	16.18	16.04	16.26	19.23	24.00	PASS
802.11ax HE40	54/5270	18.61	19.01	18.56	18.96	21.99	24.00	PASS
	62/5310	16.29	16.69	16.62	17.02	19.87	24.00	PASS
802.11ax HE80	58/5290	15.55	16.29	15.61	16.35	19.33	24.00	PASS
802.11ax HE160	50/5250	15.04	16.21	15.27	16.44	19.34	24.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2.The manufacturer declared that the directional gain =5.44dBi<6dBi.

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	Beamforming Antenna 1		Beamforming Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11n HT20	100/5500	16.20	16.37	16.26	16.43	19.41	23.93	PASS
	120/5600	16.08	16.25	15.71	15.88	19.08	23.93	PASS
	140/5700	15.47	15.64	15.86	16.03	18.85	23.94	PASS
	144/5720	14.99	15.16	15.33	15.50	18.35	23.96	PASS
802.11n HT40	102/5510	17.49	17.83	17.57	17.91	20.88	24.00	PASS
	118/5590	18.92	19.26	18.51	18.85	22.07	24.00	PASS
	134/5670	18.70	19.04	18.70	19.04	22.05	24.00	PASS
	142/5710	18.68	19.02	18.67	19.01	22.02	24.00	PASS
802.11ac VHT20	100/5500	15.92	16.09	16.13	16.30	19.21	23.92	PASS
	120/5600	16.07	16.24	15.56	15.73	19.01	23.96	PASS
	140/5700	15.92	16.09	16.21	16.38	19.24	23.92	PASS
	144/5720	14.90	15.07	15.52	15.69	18.40	23.92	PASS
802.11ac VHT40	102/5510	17.33	17.67	17.38	17.72	20.71	24.00	PASS
	118/5590	19.32	19.66	18.86	19.20	22.45	24.00	PASS
	134/5670	18.56	18.90	18.61	18.95	21.93	24.00	PASS
	142/5710	18.82	19.16	18.94	19.28	22.23	24.00	PASS
802.11ac VHT80	106/5530	14.78	15.43	14.58	15.23	18.34	24.00	PASS
	122/5610	19.86	20.51	19.77	20.42	23.48	24.00	PASS
	138/5690	20.07	20.72	19.94	20.59	23.66	24.00	PASS
802.11ac VHT160	114/5570	15.85	16.96	15.12	16.23	19.62	24.00	PASS
802.11ax HE20	100/5500	16.22	16.44	16.31	16.53	19.50	24.00	PASS
	120/5600	16.35	16.57	16.10	16.32	19.46	24.00	PASS
	140/5700	15.82	16.04	16.09	16.31	19.19	24.00	PASS
	144/5720	14.76	14.98	15.14	15.36	18.18	24.00	PASS
802.11ax HE40	102/5510	18.10	18.50	18.06	18.46	21.49	24.00	PASS
	118/5590	18.99	19.39	18.52	18.92	22.17	24.00	PASS
	134/5670	18.37	18.77	18.46	18.86	21.82	24.00	PASS
	142/5710	18.28	18.68	18.37	18.77	21.74	24.00	PASS
802.11ax HE80	106/5530	16.63	17.37	16.37	17.11	20.25	24.00	PASS
	122/5610	19.82	20.56	19.53	20.27	23.43	24.00	PASS
	138/5690	19.97	20.71	19.90	20.64	23.68	24.00	PASS
802.11ax HE160	114/5570	15.90	17.07	15.19	16.36	19.74	24.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2. The manufacturer declared that the directional gain = 5.44dBi < 6dBi.

U-NII-3

Test Mode	Channel/ Frequency (MHz)	Beamforming Antenna 1		Beamforming Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11n HT20	144/5720	9.03	9.20	9.51	9.68	12.46	30.00	PASS
	149/5745	25.14	25.31	25.75	25.92	28.63	30.00	PASS
	157/5785	24.80	24.97	25.41	25.58	28.29	30.00	PASS
	165/5825	25.15	25.32	24.48	24.65	28.01	30.00	PASS
802.11n HT40	142/5710	7.79	8.13	8.18	8.52	11.34	30.00	PASS
	151/5755	23.53	23.87	23.27	23.61	26.75	30.00	PASS
	159/5795	24.84	25.18	24.91	25.25	28.23	30.00	PASS
802.11ac VHT20	144/5720	9.25	9.42	9.70	9.87	12.66	30.00	PASS
	149/5745	25.27	25.44	25.89	26.06	28.77	30.00	PASS
	157/5785	24.92	25.09	25.37	25.54	28.33	30.00	PASS
	165/5825	24.56	24.73	23.75	23.92	27.35	30.00	PASS
802.11ac VHT40	142/5710	8.93	9.27	8.98	9.32	12.30	30.00	PASS
	151/5755	23.26	23.60	23.03	23.37	26.50	30.00	PASS
	159/5795	24.62	24.96	24.71	25.05	28.02	30.00	PASS
802.11ac VHT80	138/5690	6.18	6.83	6.41	7.06	9.96	30.00	PASS
	155/5775	20.51	21.16	20.30	20.95	24.07	30.00	PASS
802.11ax HE20	144/5720	9.38	9.60	9.63	9.85	12.74	30.00	PASS
	149/5745	25.06	25.28	25.57	25.79	28.55	30.00	PASS
	157/5785	24.52	24.74	25.03	25.25	28.01	30.00	PASS
	165/5825	24.87	25.09	24.30	24.52	27.82	30.00	PASS
802.11ax HE40	142/5710	8.40	8.80	8.53	8.93	11.87	30.00	PASS
	151/5755	23.96	24.36	23.70	24.10	27.24	30.00	PASS
	159/5795	24.68	25.08	24.89	25.29	28.20	30.00	PASS
802.11ax HE80	138/5690	7.06	7.80	6.91	7.65	10.73	30.00	PASS
	155/5775	21.49	22.23	21.13	21.87	25.06	30.00	PASS

Note: 1. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power = $10\log(10^{(\text{Power antenna1 in dBm}/10)} + 10^{(\text{Power antenna2 in dBm}/10)})$.

2.The manufacturer declared that the directional gain =5.75 dBi<6dBi. So the power limit is 30dBm.

5.3. Frequency Stability

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Method of Measurement

1. Frequency stability with respect to ambient temperature

- a) Supply the EUT with a nominal ac voltage or install a new or fully charged battery in the EUT. If possible, a dummy load shall be connected to the EUT because an antenna near the metallic walls of an environmental test chamber could affect the output frequency of the EUT. If the EUT is equipped with a permanently attached, adjustable-length antenna, then the EUT shall be placed in the center of the chamber with the antenna adjusted to the shortest length possible. Turn ON the EUT and tune it to one of the number of frequencies shown in 5.6.
- b) Couple the unlicensed wireless device output to the measuring instrument by connecting an antenna to the measuring instrument with a suitable length of coaxial cable and placing the measuring antenna near the EUT (e.g., 15 cm away), or by connecting a dummy load to the measuring instrument, through an attenuator if necessary.
- c) Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- d) Turn the EUT OFF and place it inside the environmental temperature chamber. For devices that have oscillator heaters, energize only the heater circuit.
- e) Set the temperature control on the chamber to the highest specified in the regulatory requirements for the type of device and allow the oscillator heater and the chamber temperature to stabilize.
- f) While maintaining a constant temperature inside the environmental chamber, turn the EUT ON and record the operating frequency at startup, and at 2 minutes, 5 minutes, and 10 minutes after the EUT is energized. Four measurements in total are made.
- g) Measure the frequency at each of frequencies specified in 5.6.
- h) Switch OFF the EUT but do not switch OFF the oscillator heater.
- i) Lower the chamber temperature by not more than 10°C, and allow the temperature inside the chamber to stabilize.
- j) Repeat step f) through step i) down to the lowest specified temperature.

2. Frequency stability when varying supply voltage

Unless otherwise specified, these tests shall be made at ambient room temperature (+15°C to +25 °C). An antenna shall be connected to the antenna output terminals of the EUT if possible. If the EUT is equipped with or uses an adjustable-length antenna, then it shall be fully extended.

- a) Supply the EUT with nominal voltage or install a new or fully charged battery in the EUT. Turn ON the EUT and couple its output to a frequency counter or other frequency-measuring instrument.

- b) Tune the EUT to one of the number of frequencies required in 5.6. Adjust the location of the measurement antenna and the controls on the measurement instrument to obtain a suitable signal level (i.e., a level that will not overload the measurement instrument but is strong enough to allow measurement of the operating or fundamental frequency of the EUT).
- c) Measure the frequency at each of the frequencies specified in 5.6.
- d) Repeat the above procedure at 85% and 115% of the nominal supply voltage.

Limit

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 users manual.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 936\text{Hz}$

Test Results

Voltage (V)	Temperature (°C)	U-NII-1 Test Results			
		5200MHz			
		1min	2min	5min	10min
12	-30	5199.991194	5199.990678	5199.989654	5199.983910
12	-20	5199.997617	5199.989445	5199.985687	5199.983792
12	-10	5199.994909	5199.981137	5199.983559	5199.978757
12	0	5199.990073	5199.981862	5199.978547	5199.976076
12	10	5199.982362	5199.977806	5199.970903	5199.974108
12	20	5199.977790	5199.970406	5199.966038	5199.969170
12	30	5199.971488	5199.961885	5199.959855	5199.960295
12	40	5199.967184	5199.955748	5199.951720	5199.959639
12	50	5199.959572	5199.948395	5199.949435	5199.957430
10	20	5199.956636	5199.944927	5199.940957	5199.947722
14	20	5199.950658	5199.935205	5199.938440	5199.941302
Max. ΔMHz		-0.049342	-0.064795	-0.061560	-0.058698
PPM		-9.488846	-12.460577	-11.838462	-11.288077

Voltage (V)	Temperature (°C)	U-NII-2A Test Results			
		5300MHz			
		1min	2min	5min	10min
12	-30	5299.994194	5299.991366	5299.988497	5299.987285
12	-20	5299.987527	5299.984352	5299.981407	5299.985462
12	-10	5299.977539	5299.981971	5299.980592	5299.978305
12	0	5299.986969	5299.977037	5299.979870	5299.979870
12	10	5299.985081	5299.973024	5299.975471	5299.977323
12	20	5299.975860	5299.966741	5299.966395	5299.973373
12	30	5299.975092	5299.959477	5299.964767	5299.964470
12	40	5299.970984	5299.950046	5299.956231	5299.960638
12	50	5299.962496	5299.943359	5299.952415	5299.956269
10	20	5299.958561	5299.938908	5299.948803	5299.950895
14	20	5299.958047	5299.935478	5299.944960	5299.940913
Max. ΔMHz		-0.041953	-0.064522	-0.055040	-0.059087
PPM		-7.915660	-12.173962	-10.384906	-11.148491

Voltage (V)	Temperature (°C)	U-NII-2C Test Results			
		5580MHz			
		1min	2min	5min	10min
12	-30	5579.998832	5579.994372	5579.991769	5579.987080
12	-20	5579.992552	5579.990406	5579.987081	5579.981999
12	-10	5579.987303	5579.981334	5579.984469	5579.977492
12	0	5579.990923	5579.987516	5579.977295	5579.978056
12	10	5579.984233	5579.986709	5579.976497	5579.971913
12	20	5579.974273	5579.981665	5579.968658	5579.968871
12	30	5579.964432	5579.980574	5579.965358	5579.960056
12	40	5579.962509	5579.971246	5579.960374	5579.950467
12	50	5579.961903	5579.965936	5579.950826	5579.942935
10	20	5579.961519	5579.963385	5579.944254	5579.935839
14	20	5579.953896	5579.958473	5579.937973	5579.929079
Max. ΔMHz		-0.046104	-0.041527	-0.062027	-0.070921
PPM		-8.262366	-7.442115	-11.115950	-12.709857

Voltage (V)	Temperature (°C)	U-NII-3 Test Results			
		5785MHz			
		1min	2min	5min	10min
12	-30	5784.993576	5784.984702	5784.975568	5784.973945
12	-20	5784.985559	5784.974840	5784.971447	5784.969426
12	-10	5784.985529	5784.971513	5784.963612	5784.960448
12	0	5784.975881	5784.968695	5784.965690	5784.962115
12	10	5784.966129	5784.968033	5784.957157	5784.960072
12	20	5784.958228	5784.967521	5784.947734	5784.950200
12	30	5784.956524	5784.965930	5784.940942	5784.949943
12	40	5784.954074	5784.963292	5784.933292	5784.946814
12	50	5784.944148	5784.955203	5784.933212	5784.941319
10	20	5784.941618	5784.953344	5784.928790	5784.937795
14	20	5784.935503	5784.953028	5784.926433	5784.929333
Max. ΔMHz		-0.064497	-0.046972	-0.073567	-0.070667
PPM		-11.149006	-8.119620	-12.716854	-12.215557

5.4. Power Spectral Density

Ambient condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

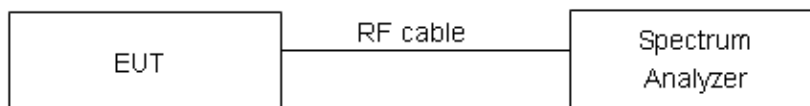
Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable.

Set RBW = 1MHz, VBW = 3MHz for the band 5.150-5.250GHz, 5.250-5.350GHz, 5.470-5.725GHz.
Set RBW = 470kHz, VBW = 1.5MHz for the band 5.725-5.850GHz

The conducted PSD is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

Test setup



Limits

Rule FCC Part 15.407(a)(1)/ FCC Part 15.407(a)(2) / FCC Part 15.407(a)(3)

For an indoor access point operating in the band 5.15-5.25 GHz, 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.

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 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. 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 power spectral density shall not exceed 30 dBm in any 500kHz 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.

Frequency Bands/GHz	Limits
5.15-5.25	11dBm/MHz
5.25-5.35 and 5.47-5.725	11dBm/MHz
5.725-5.85	30dBm/500kHz

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$, $U = 0.75\text{dB}$.

Test Results:
SISO Antenna 1
U-NII-1

Mode	Channel/ Frequency (MHz)	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	36/5180	11.22	11.38	17	PASS
	40/5200	16.81	16.97	17	PASS
	48/5240	16.68	16.84	17	PASS
802.11n HT20	36/5180	10.01	10.18	17	PASS
	40/5200	16.68	16.85	17	PASS
	48/5240	16.78	16.95	17	PASS
802.11n HT40	38/5190	2.40	2.74	17	PASS
	46/5230	11.81	12.15	17	PASS
802.11ac VHT20	36/5180	10.63	10.80	17	PASS
	40/5200	16.58	16.75	17	PASS
	48/5240	16.72	16.89	17	PASS
802.11ac VHT40	38/5190	2.46	2.80	17	PASS
	46/5230	12.03	12.37	17	PASS
802.11ac VHT80	42/5210	-2.63	-1.98	17	PASS
802.11ac VHT20	36/5180	9.94	10.16	17	PASS
	40/5200	16.47	16.69	17	PASS
	48/5240	16.50	16.72	17	PASS
802.11ac VHT40	38/5190	1.68	2.08	17	PASS
	46/5230	7.79	8.19	17	PASS
802.11ac VHT80	42/5210	-1.66	-0.92	17	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor					

U-NII-2A

Mode	Channel /Frequency (MHz)	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	52/5260	10.58	10.74	11	PASS
	60/5300	10.55	10.71	11	PASS
	64/5320	10.52	10.68	11	PASS
802.11n HT20	52/5260	10.48	10.65	11	PASS
	60/5300	10.54	10.71	11	PASS
	64/5320	9.93	10.10	11	PASS
802.11n HT40	54/5270	9.56	9.90	11	PASS
	62/5310	2.59	2.93	11	PASS
802.11ac VHT20	52/5260	10.51	10.68	11	PASS
	60/5300	10.73	10.90	11	PASS
	64/5320	9.86	10.03	11	PASS
802.11ac VHT40	54/5270	9.70	10.04	11	PASS
	62/5310	2.92	3.26	11	PASS
802.11ac VHT80	58/5290	-1.05	-0.40	11	PASS
802.11ac VHT160	50/5250	-3.89	-2.78	11	PASS
802.11ax HE20	52/5260	10.60	10.82	11	PASS
	60/5300	10.56	10.78	11	PASS
	64/5320	9.05	9.27	11	PASS
802.11ax HE40	54/5270	9.33	9.73	11	PASS
	62/5310	3.17	3.57	11	PASS
802.11ax HE80	58/5290	-1.40	-0.66	11	PASS
802.11ax HE160	50/5250	-3.93	-2.76	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor					

U-NII-2C

Mode	Channel /Frequency (MHz)	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	100/5500	8.91	9.07	11	PASS
	120/5600	10.56	10.72	11	PASS
	140/5700	7.45	7.61	11	PASS
	144/5720	10.61	10.77	11	PASS
802.11n HT20	100/5500	10.70	10.87	11	PASS
	120/5600	10.55	10.72	11	PASS
	140/5700	8.37	8.54	11	PASS
	144/5720	10.72	10.89	11	PASS
802.11n HT40	102/5510	3.90	4.24	11	PASS
	118/5590	9.64	9.98	11	PASS
	134/5670	6.01	6.35	11	PASS
	142/5710	9.88	10.22	11	PASS
802.11ac VHT20	100/5500	10.71	10.88	11	PASS
	120/5600	10.56	10.73	11	PASS
	140/5700	8.37	8.54	11	PASS
	144/5720	10.78	10.95	11	PASS
802.11ac VHT40	102/5510	3.76	4.10	11	PASS
	118/5590	9.25	9.59	11	PASS
	134/5670	5.86	6.20	11	PASS
	142/5710	10.22	10.56	11	PASS
802.11ac VHT80	106/5530	-1.38	-0.73	11	PASS
	122/5610	3.39	4.04	11	PASS
	138/5690	6.62	7.27	11	PASS
802.11ac VHT160	114/5570	-3.09	-1.98	11	PASS
802.11ax HE20	100/5500	9.82	10.04	11	PASS
	120/5600	10.61	10.83	11	PASS
	140/5700	5.95	6.17	11	PASS
	144/5720	10.48	10.70	11	PASS
802.11ax HE40	102/5510	4.81	5.21	11	PASS
	118/5590	9.90	10.30	11	PASS
	134/5670	4.77	5.17	11	PASS
	142/5710	10.09	10.49	11	PASS
802.11ax HE80	106/5530	0.28	1.02	11	PASS
	122/5610	5.18	5.92	11	PASS
	138/5690	6.14	6.88	11	PASS

802.11ax HE160	114/5570	-2.98	-1.81	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor					

U-NII-3

Mode	Channel /Frequency (MHz)	Read Value (dBm/510kHz)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500kHz)	Conclusion
802.11a	144/5720	7.01	7.08	30	PASS
	149/5745	13.74	13.81	30	PASS
	157/5785	13.80	13.87	30	PASS
	165/5825	13.34	13.41	30	PASS
802.11n HT20	144/5720	7.22	7.30	30	PASS
	149/5745	13.80	13.88	30	PASS
	157/5785	13.28	13.36	30	PASS
	165/5825	13.22	13.30	30	PASS
802.11n HT40	142/5710	6.11	6.36	30	PASS
	151/5755	6.72	6.97	30	PASS
	159/5795	8.01	8.26	30	PASS
802.11ac VHT20	144/5720	7.20	7.28	30	PASS
	149/5745	13.54	13.62	30	PASS
	157/5785	13.33	13.41	30	PASS
	165/5825	12.88	12.96	30	PASS
802.11ac VHT40	142/5710	5.89	6.14	30	PASS
	151/5755	7.01	7.26	30	PASS
	159/5795	8.03	8.28	30	PASS
802.11ac VHT80	138/5690	2.27	2.83	30	PASS
	155/5775	1.30	1.86	30	PASS
802.11ax HE20	144/5720	6.83	6.96	30	PASS
	149/5745	14.12	14.25	30	PASS
	157/5785	13.41	13.54	30	PASS
	165/5825	13.14	13.27	30	PASS
802.11ax HE40	142/5710	5.86	6.17	30	PASS
	151/5755	7.98	8.29	30	PASS
	159/5795	8.80	9.11	30	PASS
802.11ax HE80	138/5690	1.98	2.63	30	PASS
	155/5775	2.09	2.74	30	PASS
Note: PSD=Read Value+Duty cycle correction factor +10*log(500/510)					

SISO Antenna 2

U-NII-1

Mode	Channel/ Frequency (MHz)	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	36/5180	11.22	11.38	17	PASS
	40/5200	16.81	16.97	17	PASS
	48/5240	16.68	16.84	17	PASS
802.11n HT20	36/5180	10.01	10.18	17	PASS
	40/5200	16.68	16.85	17	PASS
	48/5240	16.78	16.95	17	PASS
802.11n HT40	38/5190	2.40	2.74	17	PASS
	46/5230	11.81	12.15	17	PASS
802.11ac VHT20	36/5180	10.63	10.80	17	PASS
	40/5200	16.58	16.75	17	PASS
	48/5240	16.72	16.89	17	PASS
802.11ac VHT40	38/5190	2.46	2.80	17	PASS
	46/5230	12.03	12.37	17	PASS
802.11ac VHT80	42/5210	-2.63	-1.98	17	PASS
802.11ac VHT20	36/5180	9.94	10.16	17	PASS
	40/5200	16.47	16.69	17	PASS
	48/5240	16.50	16.72	17	PASS
802.11ac VHT40	38/5190	1.68	2.08	17	PASS
	46/5230	7.79	8.19	17	PASS
802.11ac VHT80	42/5210	-1.66	-0.92	17	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor					

U-NII-2A

Mode	Channel /Frequency (MHz)	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	52/5260	10.73	10.89	11	PASS
	60/5300	10.68	10.84	11	PASS
	64/5320	10.68	10.84	11	PASS
802.11n HT20	52/5260	10.77	10.94	11	PASS
	60/5300	10.58	10.75	11	PASS
	64/5320	10.34	10.51	11	PASS
802.11n HT40	54/5270	9.71	10.05	11	PASS
	62/5310	3.43	3.77	11	PASS
802.11ac VHT20	52/5260	10.69	10.86	11	PASS
	60/5300	10.60	10.77	11	PASS
	64/5320	10.12	10.29	11	PASS
802.11ac VHT40	54/5270	9.52	9.86	11	PASS
	62/5310	3.04	3.38	11	PASS
802.11ac VHT80	58/5290	-1.27	-0.62	11	PASS
802.11ac VHT160	50/5250	-3.61	-2.50	11	PASS
802.11ax HE20	52/5260	10.49	10.71	11	PASS
	60/5300	10.40	10.62	11	PASS
	64/5320	9.82	10.04	11	PASS
802.11ax HE40	54/5270	9.76	10.16	11	PASS
	62/5310	3.10	3.50	11	PASS
802.11ax HE80	58/5290	-0.94	-0.20	11	PASS
802.11ax HE160	50/5250	-3.80	-2.63	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor					

U-NII-2C

Mode	Channel /Frequency (MHz)	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	100/5500	9.40	9.56	11	PASS
	120/5600	10.67	10.83	11	PASS
	140/5700	7.74	7.90	11	PASS
	144/5720	10.59	10.75	11	PASS
802.11n HT20	100/5500	10.69	10.86	11	PASS
	120/5600	10.77	10.94	11	PASS
	140/5700	8.39	8.56	11	PASS
	144/5720	10.63	10.80	11	PASS
802.11n HT40	102/5510	3.70	4.04	11	PASS
	118/5590	9.58	9.92	11	PASS
	134/5670	6.50	6.84	11	PASS
	142/5710	10.40	10.74	11	PASS
802.11ac VHT20	100/5500	10.56	10.73	11	PASS
	120/5600	10.63	10.80	11	PASS
	140/5700	8.29	8.46	11	PASS
	144/5720	10.62	10.79	11	PASS
802.11ac VHT40	102/5510	3.78	4.12	11	PASS
	118/5590	9.91	10.25	11	PASS
	134/5670	6.15	6.49	11	PASS
	142/5710	10.23	10.57	11	PASS
802.11ac VHT80	106/5530	-1.53	-0.88	11	PASS
	122/5610	2.82	3.47	11	PASS
	138/5690	7.11	7.76	11	PASS
802.11ac VHT160	114/5570	-3.86	-2.75	11	PASS
802.11ax HE20	100/5500	9.80	10.02	11	PASS
	120/5600	10.52	10.74	11	PASS
	140/5700	6.04	6.26	11	PASS
	144/5720	10.64	10.86	11	PASS
802.11ax HE40	102/5510	4.79	5.19	11	PASS
	118/5590	9.45	9.85	11	PASS
	134/5670	5.24	5.64	11	PASS
	142/5710	9.73	10.13	11	PASS
802.11ax HE80	106/5530	0.49	1.23	11	PASS
	122/5610	5.10	5.84	11	PASS
	138/5690	6.49	7.23	11	PASS

802.11ax HE160	114/5570	-3.81	-2.64	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor					

U-NII-3

Mode	Channel /Frequency (MHz)	Read Value (dBm/510kHz)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500kHz)	Conclusion
802.11a	144/5720	6.68	6.75	30	PASS
	149/5745	13.67	13.74	30	PASS
	157/5785	13.32	13.39	30	PASS
	165/5825	12.96	13.03	30	PASS
802.11n HT20	144/5720	6.97	7.05	30	PASS
	149/5745	13.40	13.48	30	PASS
	157/5785	13.54	13.62	30	PASS
	165/5825	12.41	12.49	30	PASS
802.11n HT40	142/5710	6.20	6.45	30	PASS
	151/5755	6.55	6.80	30	PASS
	159/5795	7.88	8.13	30	PASS
802.11ac VHT20	144/5720	6.86	6.94	30	PASS
	149/5745	13.84	13.92	30	PASS
	157/5785	13.14	13.22	30	PASS
	165/5825	12.79	12.87	30	PASS
802.11ac VHT40	142/5710	6.16	6.41	30	PASS
	151/5755	6.37	6.62	30	PASS
	159/5795	8.01	8.26	30	PASS
802.11ac VHT80	138/5690	2.52	3.08	30	PASS
	155/5775	1.04	1.60	30	PASS
802.11ax HE20	144/5720	6.95	7.08	30	PASS
	149/5745	13.56	13.69	30	PASS
	157/5785	13.17	13.30	30	PASS
	165/5825	13.03	13.16	30	PASS
802.11ax HE40	142/5710	5.64	5.95	30	PASS
	151/5755	7.19	7.50	30	PASS
	159/5795	8.55	8.86	30	PASS
802.11ax HE80	138/5690	2.60	3.25	30	PASS
	155/5775	1.61	2.26	30	PASS

Note: PSD=Read Value+Duty cycle correction factor +10*log(500/510)

MIMO

U-NII-1

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11n HT20	36/5180	9.79	9.96	10.39	10.56	13.28	14.85	PASS
	40/5200	11.10	11.27	11.73	11.90	14.61	14.85	PASS
	48/5240	10.83	11.00	11.60	11.77	14.41	14.85	PASS
802.11n HT40	38/5190	2.31	2.65	2.78	3.12	5.90	14.85	PASS
	46/5230	11.22	11.56	11.32	11.66	14.62	14.85	PASS
802.11ac VHT20	36/5180	9.90	10.07	10.32	10.49	13.30	14.85	PASS
	40/5200	11.44	11.61	11.85	12.02	14.83	14.85	PASS
	48/5240	11.08	11.25	12.01	12.18	14.75	14.85	PASS
802.11ac VHT40	38/5190	2.30	2.64	2.60	2.94	5.80	14.85	PASS
	46/5230	11.66	12.00	11.05	11.39	14.72	14.85	PASS
802.11ac VHT80	42/5210	-2.48	-1.83	-2.06	-1.41	1.40	14.85	PASS
802.11ax HE20	36/5180	9.40	9.62	10.35	10.57	13.13	14.85	PASS
	40/5200	11.02	11.24	11.60	11.82	14.55	14.85	PASS
	48/5240	10.83	11.05	11.96	12.18	14.66	14.85	PASS
802.11ax HE40	38/5190	1.31	1.71	1.44	1.84	4.79	14.85	PASS
	46/5230	7.36	7.76	7.97	8.37	11.09	14.85	PASS
802.11ax HE80	42/5210	-1.68	-0.94	-1.85	-1.11	1.99	14.85	PASS
Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor								
2.The manufacturer declared that the directional gain = 8.15>6 dBi. So the PSD limit is 14.85 dBm								

U-NII-2A

Mode	Channel /Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11n HT20	52/5260	5.08	5.25	5.68	5.85	8.57	8.85	PASS
	60/5300	5.02	5.19	6.06	6.23	8.75	8.85	PASS
	64/5320	5.10	5.27	5.83	6.00	8.66	8.85	PASS
802.11n HT40	54/5270	4.97	5.31	5.81	6.15	8.76	8.85	PASS
	62/5310	3.06	3.40	3.52	3.86	6.65	8.85	PASS
802.11ac VHT20	52/5260	5.13	5.30	5.58	5.75	8.54	8.85	PASS
	60/5300	5.26	5.43	5.77	5.94	8.70	8.85	PASS
	64/5320	5.16	5.33	5.51	5.68	8.52	8.85	PASS
802.11ac VHT40	54/5270	4.96	5.30	5.84	6.18	8.77	8.85	PASS
	62/5310	2.67	3.01	3.67	4.01	6.55	8.85	PASS
802.11ac VHT80	58/5290	-1.25	-0.60	-0.64	0.01	2.73	8.85	PASS
802.11ac VHT160	50/5250	-4.27	-3.16	-3.86	-2.75	0.06	8.85	PASS
802.11ax HE20	52/5260	5.21	5.43	5.93	6.15	8.82	8.85	PASS
	60/5300	5.33	5.55	5.78	6.00	8.79	8.85	PASS
	64/5320	5.14	5.36	5.98	6.20	8.81	8.85	PASS
802.11ax HE40	54/5270	4.73	5.13	5.82	6.22	8.72	8.85	PASS
	62/5310	2.54	2.94	3.02	3.42	6.20	8.85	PASS
802.11ax HE80	58/5290	-1.19	-0.45	-0.85	-0.11	2.73	8.85	PASS
802.11ax HE160	50/5250	-4.06	-2.89	-3.88	-2.71	0.21	8.85	PASS
Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor								
2.The manufacturer declared that the directional gain = 8.15>6 dBi. So the PSD limit is 14.85 dBm								

U-NII-2C

Mode	Channel /Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11n HT20	100/5500	5.58	5.75	5.87	6.04	8.91	9.01	PASS
	120/5600	5.67	5.84	5.42	5.59	8.73	9.01	PASS
	140/5700	5.55	5.72	5.63	5.80	8.77	9.01	PASS
	144/5720	5.64	5.81	5.96	6.13	8.98	9.01	PASS
802.11n HT40	102/5510	4.17	4.51	3.89	4.23	7.38	9.01	PASS
	118/5590	5.60	5.94	5.16	5.50	8.74	9.01	PASS
	134/5670	5.26	5.60	5.74	6.08	8.86	9.01	PASS
	142/5710	5.62	5.96	5.63	5.97	8.98	9.01	PASS
802.11ac VHT20	100/5500	5.42	5.59	5.71	5.88	8.75	9.01	PASS
	120/5600	5.44	5.61	5.64	5.81	8.72	9.01	PASS
	140/5700	5.57	5.74	5.80	5.97	8.87	9.01	PASS
	144/5720	5.65	5.82	5.80	5.97	8.91	9.01	PASS
802.11ac VHT40	102/5510	3.49	3.83	3.59	3.93	6.89	9.01	PASS
	118/5590	5.74	6.08	5.50	5.84	8.97	9.01	PASS
	134/5670	5.13	5.47	5.62	5.96	8.73	9.01	PASS
	142/5710	5.53	5.87	5.70	6.04	8.97	9.01	PASS
802.11ac VHT80	106/5530	-1.46	-0.81	-1.74	-1.09	2.06	9.01	PASS
	122/5610	3.52	4.17	3.36	4.01	7.10	9.01	PASS
	138/5690	3.56	4.21	4.45	5.10	7.69	9.01	PASS
802.11ac VHT160	114/5570	-3.06	-1.95	-4.27	-3.16	0.50	9.01	PASS
802.11ax HE20	100/5500	5.56	5.78	5.91	6.13	8.97	9.01	PASS
	120/5600	5.92	6.14	5.60	5.82	8.99	9.01	PASS
	140/5700	5.28	5.50	6.01	6.23	8.89	9.01	PASS
	144/5720	5.64	5.86	5.49	5.71	8.80	9.01	PASS
802.11ax HE40	102/5510	4.51	4.91	4.37	4.77	7.85	9.01	PASS
	118/5590	5.66	6.06	5.49	5.89	8.99	9.01	PASS
	134/5670	5.20	5.60	4.54	4.94	8.29	9.01	PASS
	142/5710	4.98	5.38	5.82	6.22	8.83	9.01	PASS
802.11ax HE80	106/5530	0.03	0.77	0.02	0.76	3.78	9.01	PASS
	122/5610	3.29	4.03	3.09	3.83	6.94	9.01	PASS
	138/5690	3.55	4.29	3.92	4.66	7.49	9.01	PASS
802.11ax HE160	114/5570	-3.23	-2.06	-4.31	-3.14	0.44	9.01	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor

2.The manufacturer declared that the directional gain = 7.99>6 dBi. So the PSD limit is 9.01dBm

U-NII-3

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm/ 500kHz)	Conclusion
		Antenna 1		Antenna 2		Total Power (dBm/500kHz)		
		Read Value (dBm/510kHz)	PSD (dBm/500kHz)	Read Value (dBm/510kHz)	PSD (dBm/500kHz)			
802.11n HT20	144/5720	1.71	1.79	2.39	2.47	5.16	27.29	PASS
	149/5745	11.43	11.51	11.95	12.03	14.79	27.29	PASS
	157/5785	11.80	11.88	11.19	11.27	14.60	27.29	PASS
	165/5825	11.63	11.71	11.11	11.19	14.47	27.29	PASS
802.11n HT40	142/5710	1.65	1.90	1.47	1.72	4.83	27.29	PASS
	151/5755	7.20	7.45	6.58	6.83	10.17	27.29	PASS
	159/5795	8.55	8.80	7.55	7.80	11.34	27.29	PASS
802.11ac VHT20	144/5720	2.14	2.22	2.46	2.54	5.40	27.29	PASS
	149/5745	11.92	12.00	12.19	12.27	15.15	27.29	PASS
	157/5785	11.89	11.97	11.26	11.34	14.68	27.29	PASS
	165/5825	11.67	11.75	11.36	11.44	14.61	27.29	PASS
802.11ac VHT40	142/5710	2.06	2.31	2.51	2.76	5.56	27.29	PASS
	151/5755	7.04	7.29	6.52	6.77	10.05	27.29	PASS
	159/5795	8.51	8.76	7.82	8.07	11.44	27.29	PASS
802.11ac VHT80	138/5690	-0.38	0.18	-0.39	0.17	3.19	27.29	PASS
	155/5775	1.14	1.70	0.99	1.55	4.64	27.29	PASS
802.11ax HE20	144/5720	1.95	2.08	1.95	2.08	5.09	27.29	PASS
	149/5745	11.02	11.15	11.83	11.96	14.59	27.29	PASS
	157/5785	11.68	11.81	10.78	10.91	14.40	27.29	PASS
	165/5825	11.59	11.72	10.96	11.09	14.43	27.29	PASS
802.11ax HE40	142/5710	1.15	1.46	1.51	1.82	4.66	27.29	PASS
	151/5755	7.83	8.14	7.35	7.66	10.92	27.29	PASS
	159/5795	8.82	9.13	7.78	8.09	11.66	27.29	PASS
802.11ax HE80	138/5690	0.64	1.29	0.92	1.57	4.45	27.29	PASS
	155/5775	2.54	3.19	1.79	2.44	5.85	27.29	PASS
Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor +10*log (500/510).								
2.The manufacturer declared that the directional gain = 8.71>6 dBi. So the PSD limit is 27.29 dBm								

Beamforming

U-NII-1

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11n HT20	36/5180	9.24	9.41	10.12	10.29	12.88	14.85	PASS
	40/5200	10.81	10.98	11.12	11.29	14.15	14.85	PASS
	48/5240	10.86	11.03	11.42	11.59	14.33	14.85	PASS
802.11n HT40	38/5190	2.07	2.41	2.21	2.55	5.49	14.85	PASS
	46/5230	10.78	11.12	10.79	11.13	14.14	14.85	PASS
802.11ac VHT20	36/5180	9.46	9.63	10.42	10.59	13.15	14.85	PASS
	40/5200	10.99	11.16	11.76	11.93	14.57	14.85	PASS
	48/5240	11.07	11.24	11.75	11.92	14.60	14.85	PASS
802.11ac VHT40	38/5190	2.05	2.39	2.90	3.24	5.85	14.85	PASS
	46/5230	11.35	11.69	11.06	11.40	14.56	14.85	PASS
802.11ac VHT80	42/5210	-2.27	-1.62	-1.74	-1.09	1.66	14.85	PASS
802.11ax HE20	36/5180	9.78	10.00	10.01	10.23	13.13	14.85	PASS
	40/5200	10.97	11.19	11.73	11.95	14.60	14.85	PASS
	48/5240	10.81	11.03	11.56	11.78	14.43	14.85	PASS
802.11ax HE40	38/5190	1.14	1.54	2.13	2.53	5.07	14.85	PASS
	46/5230	6.97	7.37	7.82	8.22	10.83	14.85	PASS
802.11ax HE80	42/5210	-1.66	-0.92	-1.39	-0.65	2.23	14.85	PASS
Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor								
2.The manufacturer declared that the directional gain = 8.15>6 dBi. So the PSD limit is 14.85 dBm								

U-NII-2A

Mode	Channel /Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11n HT20	52/5260	5.20	5.37	5.53	5.70	8.55	8.85	PASS
	60/5300	4.92	5.09	5.36	5.53	8.33	8.85	PASS
	64/5320	4.78	4.95	5.15	5.32	8.15	8.85	PASS
802.11n HT40	54/5270	5.59	5.93	5.28	5.62	8.79	8.85	PASS
	62/5310	2.87	3.21	2.75	3.09	6.16	8.85	PASS
802.11ac VHT20	52/5260	4.93	5.10	5.37	5.54	8.34	8.85	PASS
	60/5300	5.34	5.51	5.56	5.73	8.63	8.85	PASS
	64/5320	4.52	4.69	5.09	5.26	7.99	8.85	PASS
802.11ac VHT40	54/5270	4.96	5.30	5.56	5.90	8.62	8.85	PASS
	62/5310	2.60	2.94	3.40	3.74	6.37	8.85	PASS
802.11ac VHT80	58/5290	-1.23	-0.58	-0.90	-0.25	2.60	8.85	PASS
802.11ac VHT160	50/5250	-4.32	-3.21	-3.44	-2.33	0.26	8.85	PASS
802.11ax HE20	52/5260	5.41	5.63	5.60	5.82	8.74	8.85	PASS
	60/5300	5.10	5.32	5.37	5.59	8.47	8.85	PASS
	64/5320	5.34	5.56	5.19	5.41	8.50	8.85	PASS
802.11ax HE40	54/5270	4.86	5.26	4.97	5.37	8.33	8.85	PASS
	62/5310	2.54	2.94	2.91	3.31	6.14	8.85	PASS
802.11ax HE80	58/5290	-1.35	-0.61	-1.38	-0.64	2.39	8.85	PASS
802.11ax HE160	50/5250	-4.44	-3.27	-4.12	-2.95	-0.10	8.85	PASS
Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor								
2.The manufacturer declared that the directional gain = 8.15>6 dBi. So the PSD limit is 14.85 dBm								

U-NII-2C

Mode	Channel /Frequency (MHz)	Power Spectral Density					Limit (dBm /MHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/MHz)		
		Read Value (dBm/MHz)	PSD (dBm/MHz)	Read Value (dBm/MHz)	PSD (dBm/MHz)			
802.11n HT20	100/5500	5.54	5.71	5.65	5.82	8.78	9.01	PASS
	120/5600	5.23	5.40	5.10	5.27	8.35	9.01	PASS
	140/5700	4.82	4.99	5.12	5.29	8.15	9.01	PASS
	144/5720	5.45	5.62	5.98	6.15	8.90	9.01	PASS
802.11n HT40	102/5510	3.92	4.26	3.69	4.03	7.16	9.01	PASS
	118/5590	5.28	5.62	4.73	5.07	8.36	9.01	PASS
	134/5670	5.01	5.35	4.82	5.16	8.27	9.01	PASS
	142/5710	5.37	5.71	5.51	5.85	8.79	9.01	PASS
802.11ac VHT20	100/5500	4.83	5.00	5.14	5.31	8.17	9.01	PASS
	120/5600	5.47	5.64	5.12	5.29	8.48	9.01	PASS
	140/5700	5.13	5.30	5.49	5.66	8.49	9.01	PASS
	144/5720	5.32	5.49	5.69	5.86	8.69	9.01	PASS
802.11ac VHT40	102/5510	3.65	3.99	3.80	4.14	7.08	9.01	PASS
	118/5590	5.44	5.78	5.07	5.41	8.61	9.01	PASS
	134/5670	4.89	5.23	5.05	5.39	8.32	9.01	PASS
	142/5710	5.26	5.60	5.69	6.03	8.83	9.01	PASS
802.11ac VHT80	106/5530	-2.15	-1.50	-2.33	-1.68	1.42	9.01	PASS
	122/5610	2.89	3.54	3.00	3.65	6.61	9.01	PASS
	138/5690	3.71	4.36	3.43	4.08	7.23	9.01	PASS
802.11ac VHT160	114/5570	-3.53	-2.42	-3.87	-2.76	0.42	9.01	PASS
802.11ax HE20	100/5500	5.39	5.61	5.33	5.55	8.59	9.01	PASS
	120/5600	5.66	5.88	5.48	5.70	8.80	9.01	PASS
	140/5700	5.16	5.38	5.55	5.77	8.59	9.01	PASS
	144/5720	4.92	5.14	5.72	5.94	8.57	9.01	PASS
802.11ax HE40	102/5510	4.58	4.98	4.38	4.78	7.89	9.01	PASS
	118/5590	5.49	5.89	4.86	5.26	8.60	9.01	PASS
	134/5670	4.58	4.98	4.60	5.00	8.00	9.01	PASS
	142/5710	4.59	4.99	5.15	5.55	8.29	9.01	PASS
802.11ax HE80	106/5530	-0.28	0.46	-0.48	0.26	3.37	9.01	PASS
	122/5610	2.88	3.62	2.92	3.66	6.65	9.01	PASS
	138/5690	3.41	4.15	4.07	4.81	7.50	9.01	PASS
802.11ax HE160	114/5570	-3.37	-2.20	-4.44	-3.27	0.31	9.01	PASS

Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor

2.The manufacturer declared that the directional gain = 7.99>6 dBi. So the PSD limit is 9.01 dBm

U-NII-3

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm/ 500kHz)	Conclusion
		Antenna 1		Antenna 2		Total Power (dBm/500kHz)		
		Read Value (dBm/510kHz)	PSD (dBm/500kHz)	Read Value (dBm/510kHz)	PSD (dBm/500kHz)			
802.11n HT20	144/5720	1.42	1.50	1.96	2.04	4.79	27.29	PASS
	149/5745	11.84	11.92	12.06	12.14	15.05	27.29	PASS
	157/5785	11.44	11.52	12.02	12.10	14.83	27.29	PASS
	165/5825	11.46	11.54	10.89	10.97	14.28	27.29	PASS
802.11n HT40	142/5710	0.69	0.94	1.19	1.44	4.21	27.29	PASS
	151/5755	7.12	7.37	6.22	6.47	9.96	27.29	PASS
	159/5795	7.85	8.10	8.19	8.44	11.29	27.29	PASS
802.11ac VHT20	144/5720	1.74	1.82	2.59	2.67	5.28	27.29	PASS
	149/5745	11.65	11.73	12.42	12.50	15.15	27.29	PASS
	157/5785	11.14	11.22	11.97	12.05	14.67	27.29	PASS
	165/5825	11.32	11.40	10.32	10.40	13.94	27.29	PASS
802.11ac VHT40	142/5710	1.78	2.03	2.29	2.54	5.31	27.29	PASS
	151/5755	6.45	6.70	6.91	7.16	9.95	27.29	PASS
	159/5795	7.74	7.99	7.93	8.18	11.10	27.29	PASS
802.11ac VHT80	138/5690	-0.49	0.07	-0.39	0.17	3.13	27.29	PASS
	155/5775	1.39	1.95	0.75	1.31	4.66	27.29	PASS
802.11ax HE20	144/5720	1.77	1.90	2.33	2.46	5.20	27.29	PASS
	149/5745	11.04	11.17	12.01	12.14	14.70	27.29	PASS
	157/5785	10.60	10.73	11.25	11.38	14.08	27.29	PASS
	165/5825	10.91	11.04	10.07	10.20	13.65	27.29	PASS
802.11ax HE40	142/5710	0.35	0.66	1.07	1.38	4.05	27.29	PASS
	151/5755	7.13	7.44	7.28	7.59	10.53	27.29	PASS
	159/5795	7.94	8.25	8.00	8.31	11.29	27.29	PASS
802.11ax HE80	138/5690	0.75	1.40	0.54	1.19	4.31	27.29	PASS
	155/5775	2.09	2.74	1.87	2.52	5.65	27.29	PASS

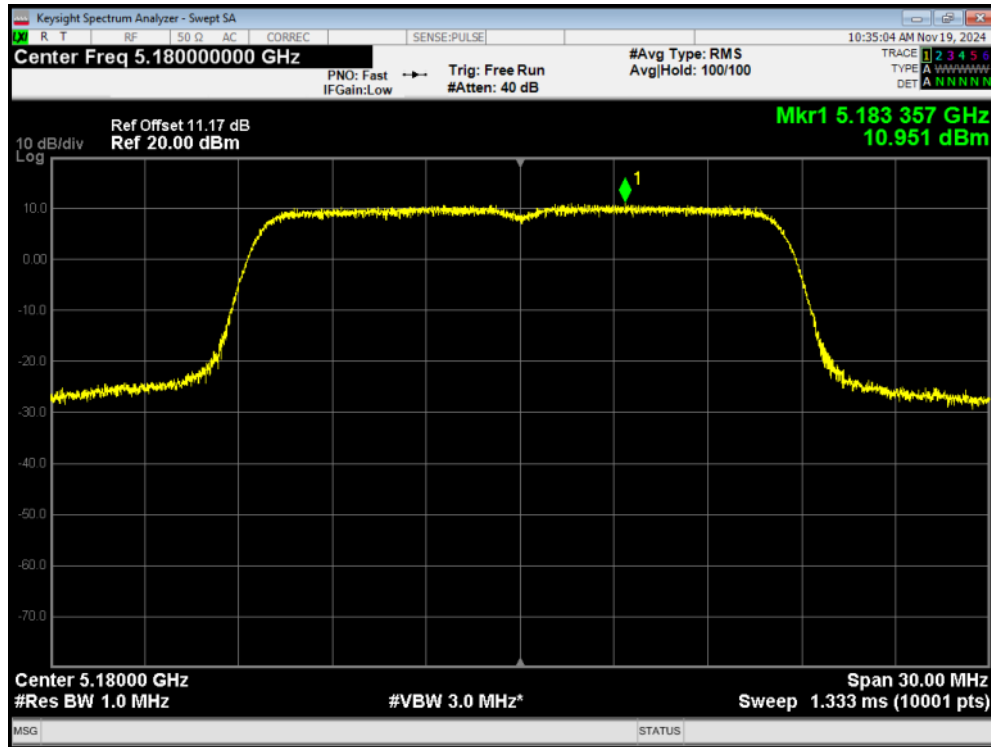
Note: 1. Power Spectral Density =Read Value+Duty cycle correction factor +10*log(500/470).

2.The manufacturer declared that the directional gain = 8.71>6 dBi. So the PSD limit is 27.29dBm

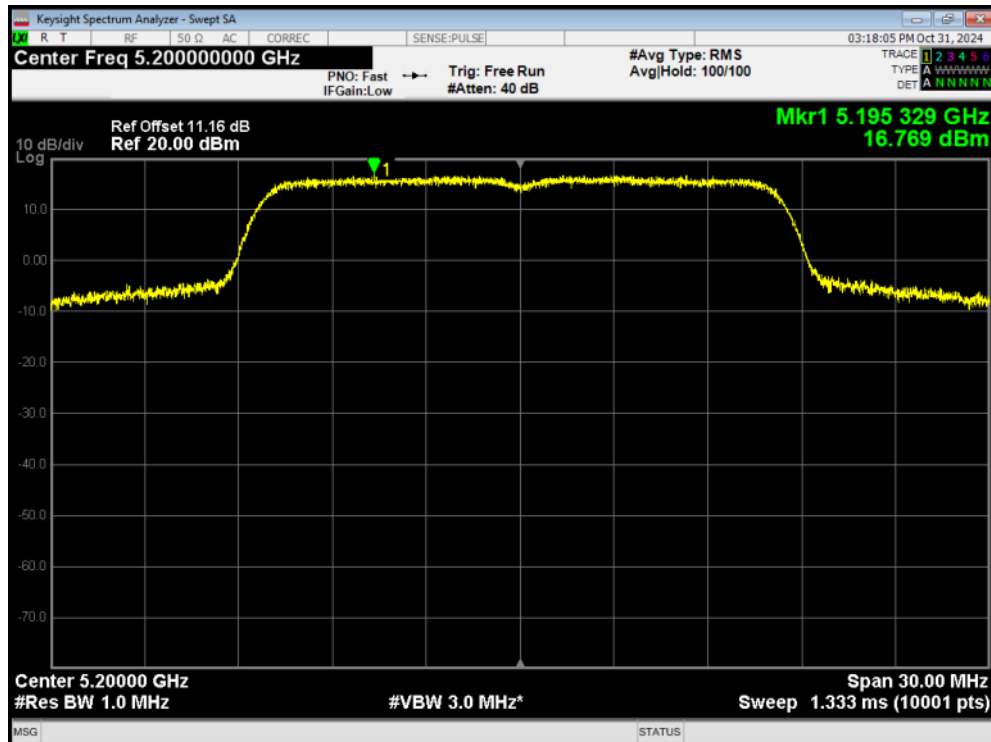
SISO Antenna 1

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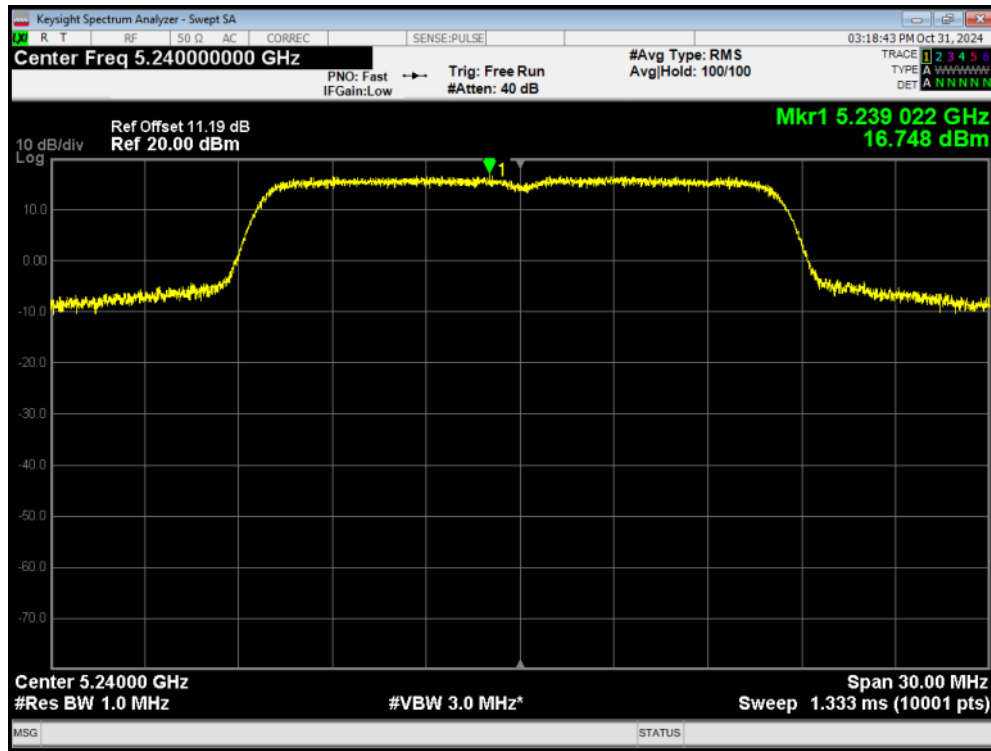
PSD 802.11a 5180MHz



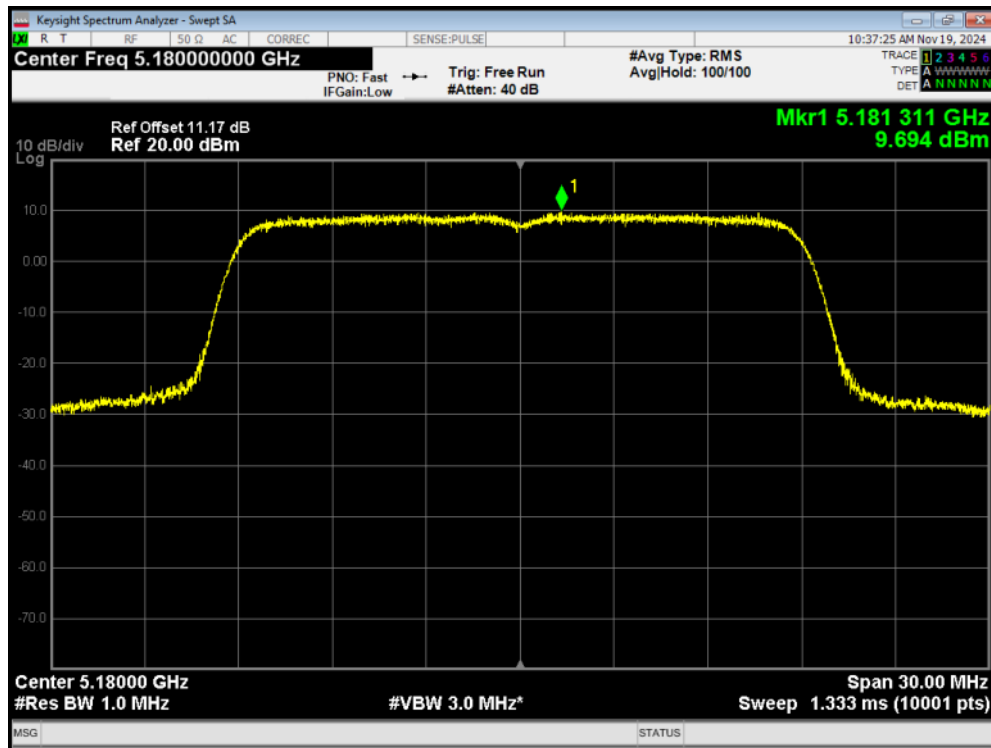
PSD 802.11a 5200MHz



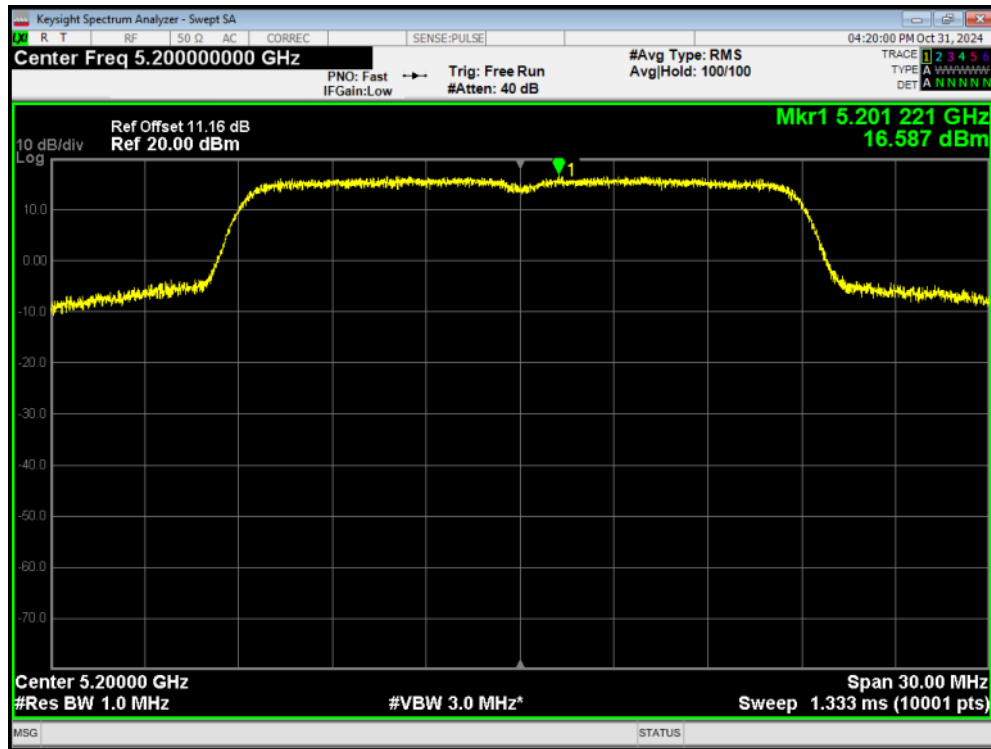
PSD 802.11a 5240MHz



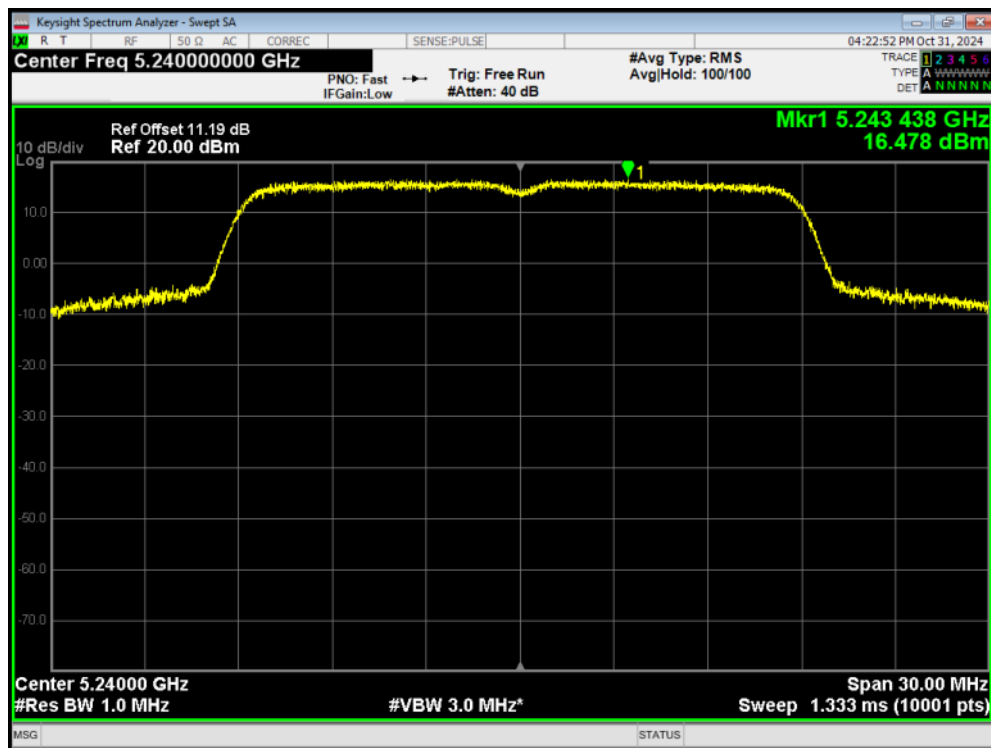
PSD 802.11ac(VHT20) 5180MHz



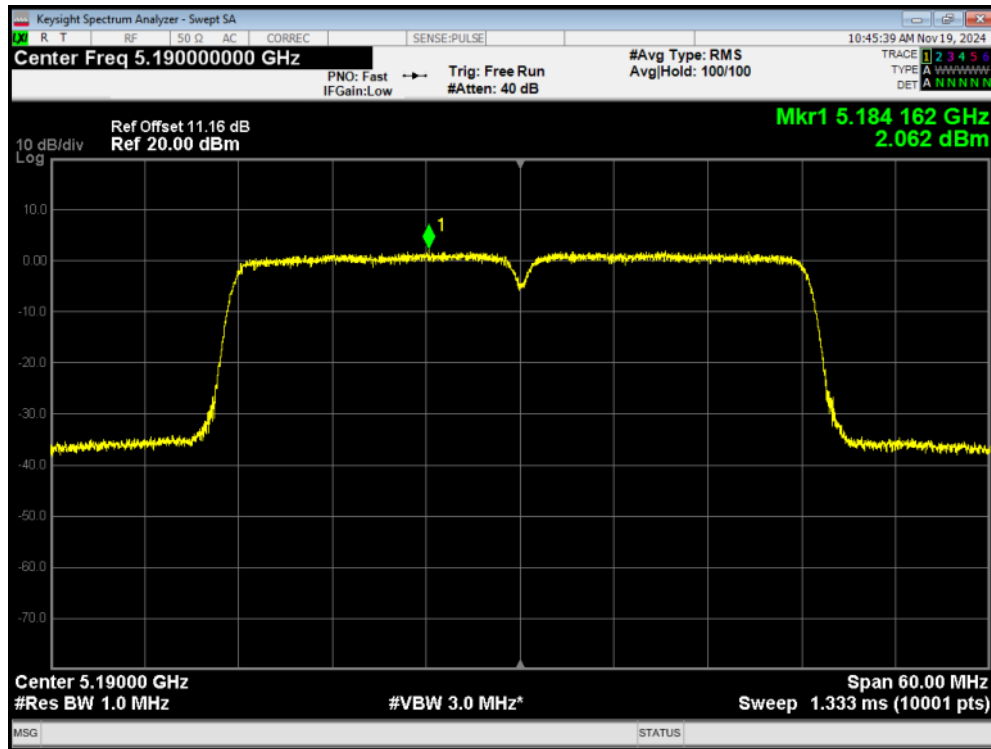
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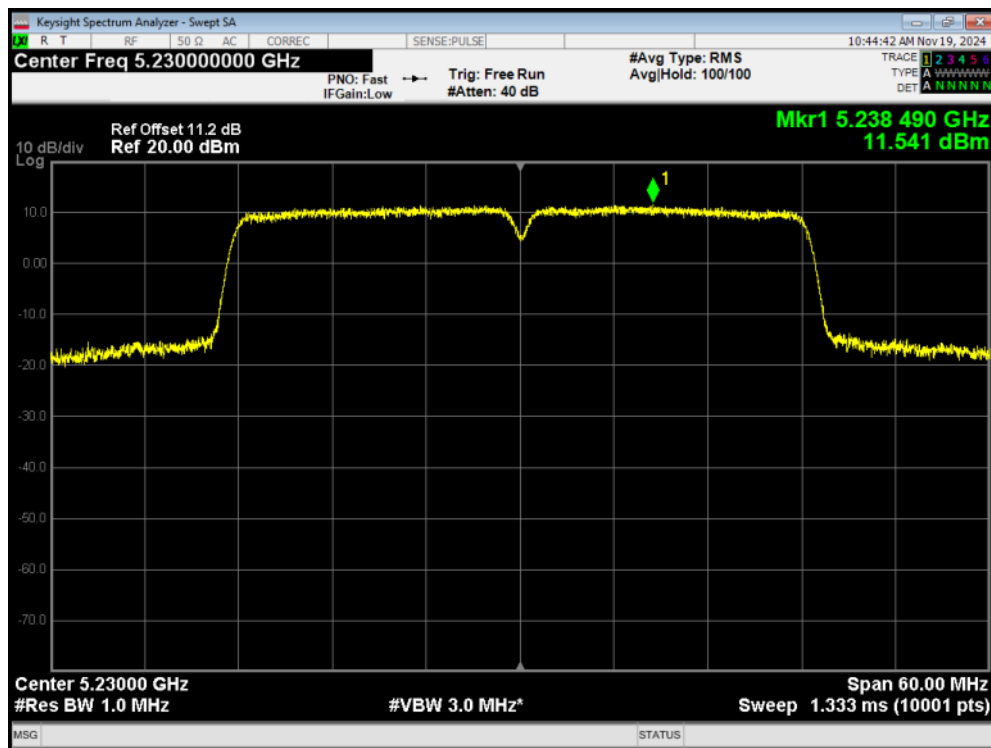
PSD 802.11ac(VHT20) 5240MHz



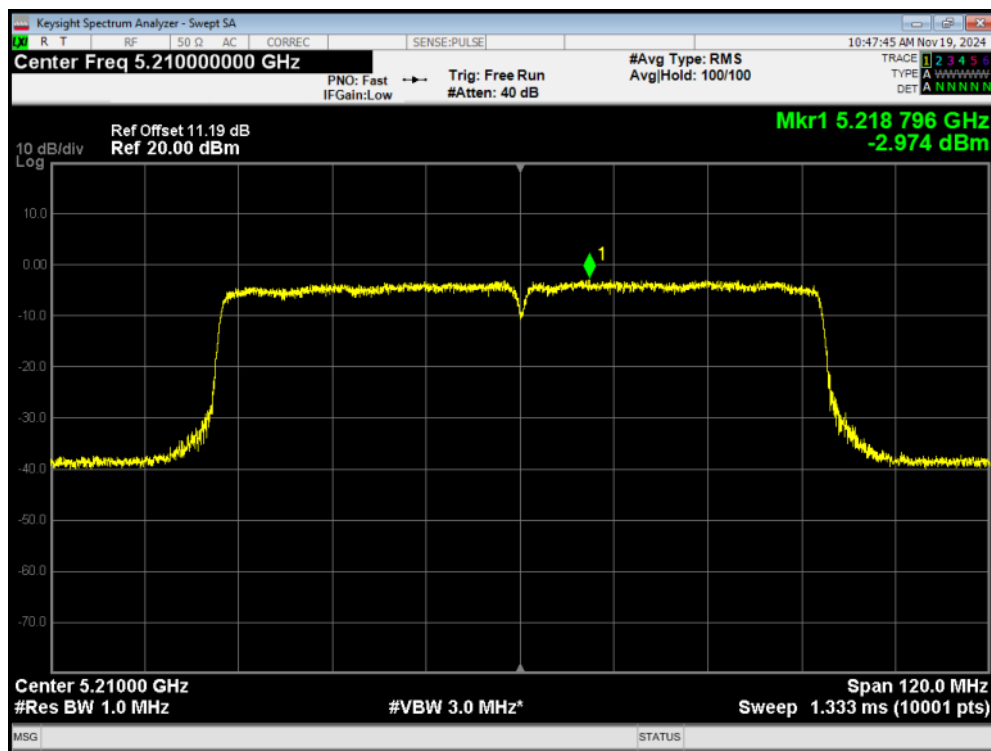
PSD 802.11ac(VHT40) 5190MHz



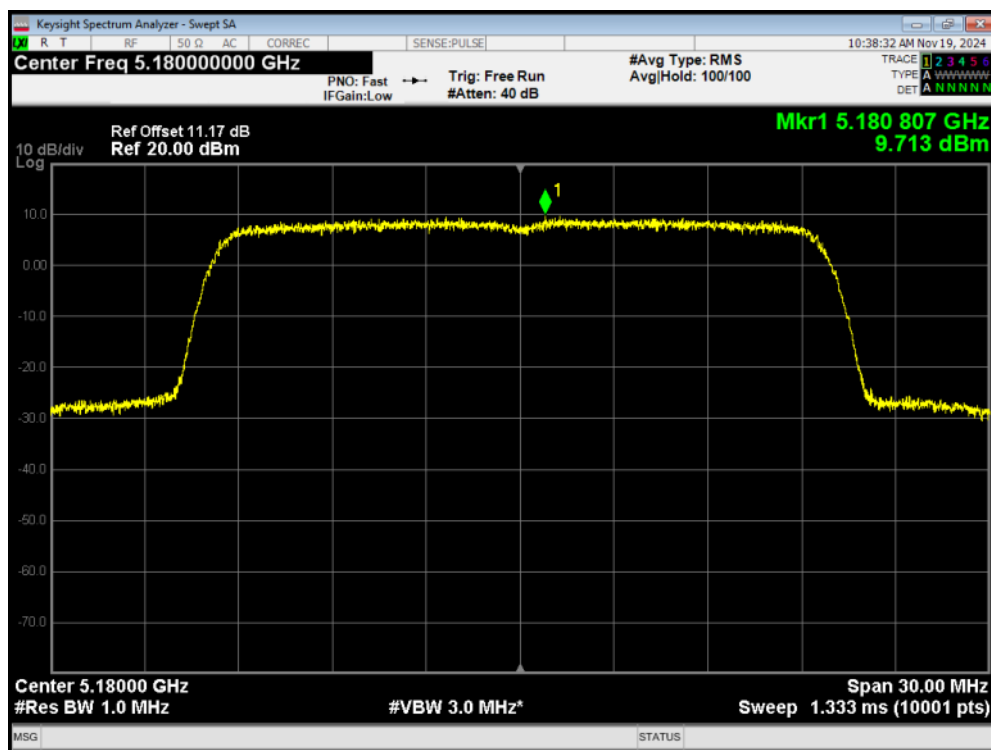
PSD 802.11ac(VHT40) 5230MHz



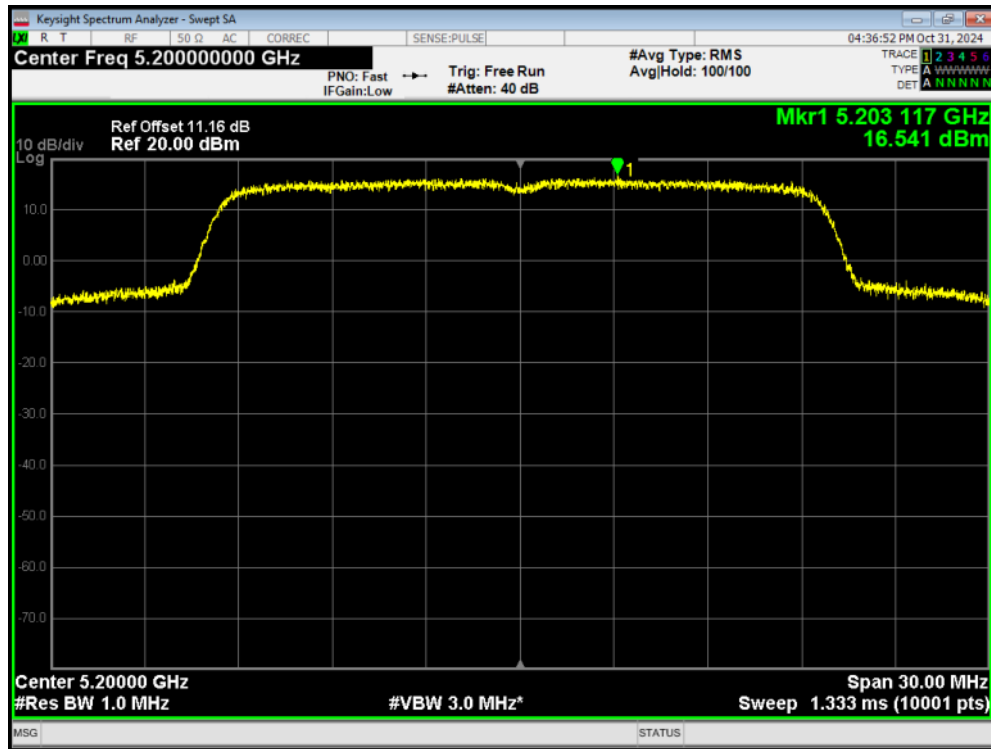
PSD 802.11ac(VHT80) 5210MHz



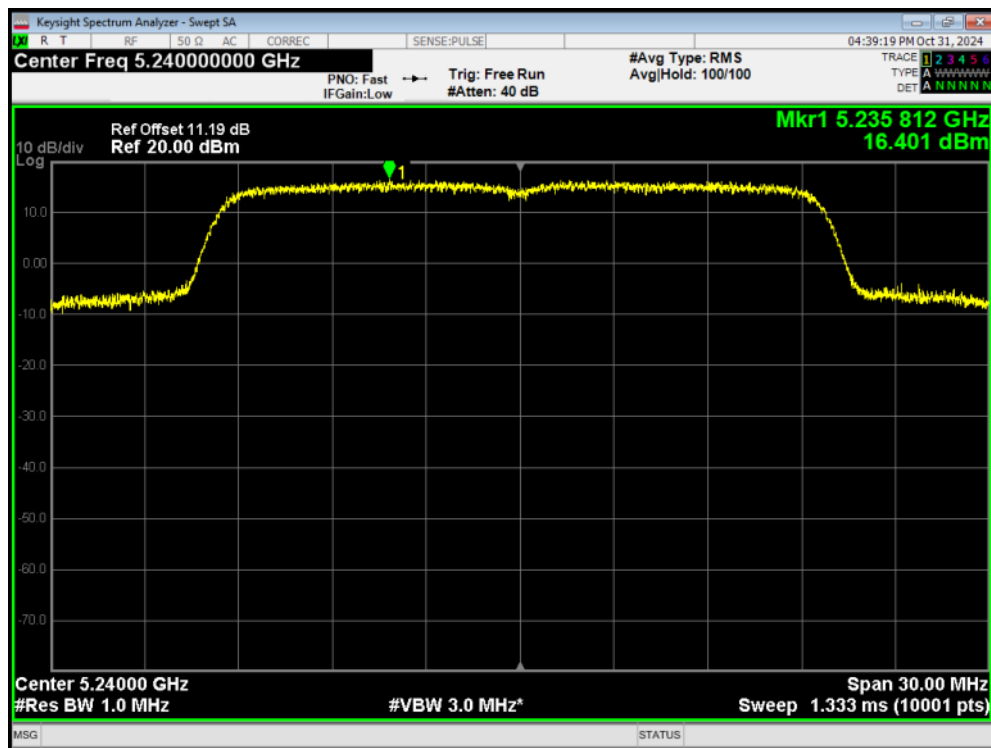
PSD 802.11ax(HE20) 5180MHz



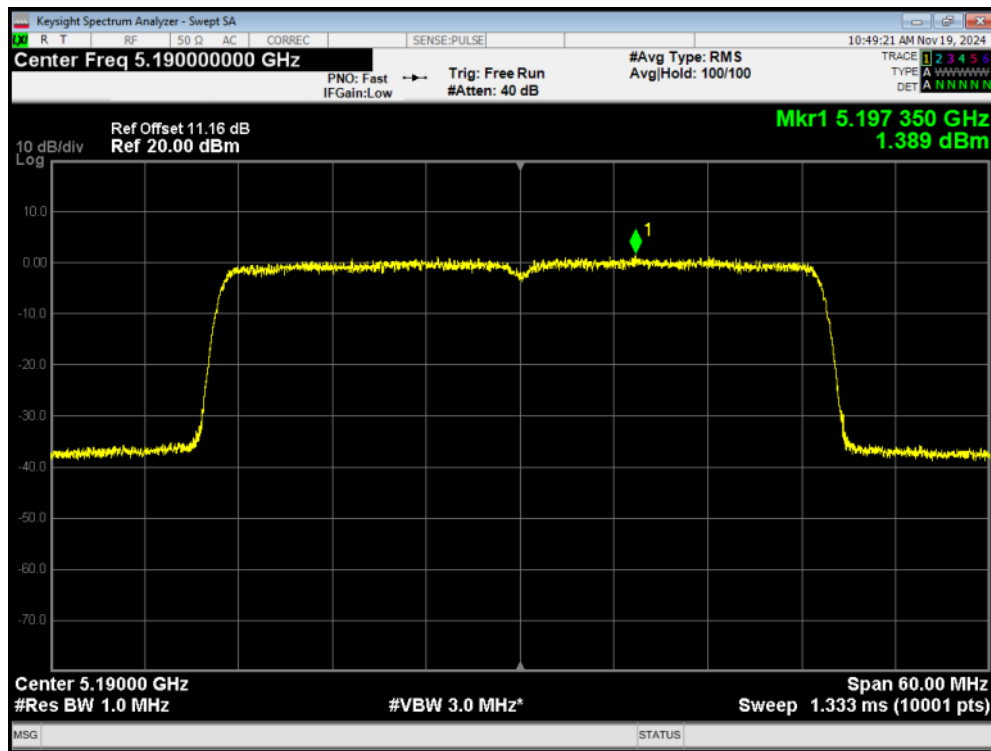
PSD 802.11ax(HE20) 5200MHz



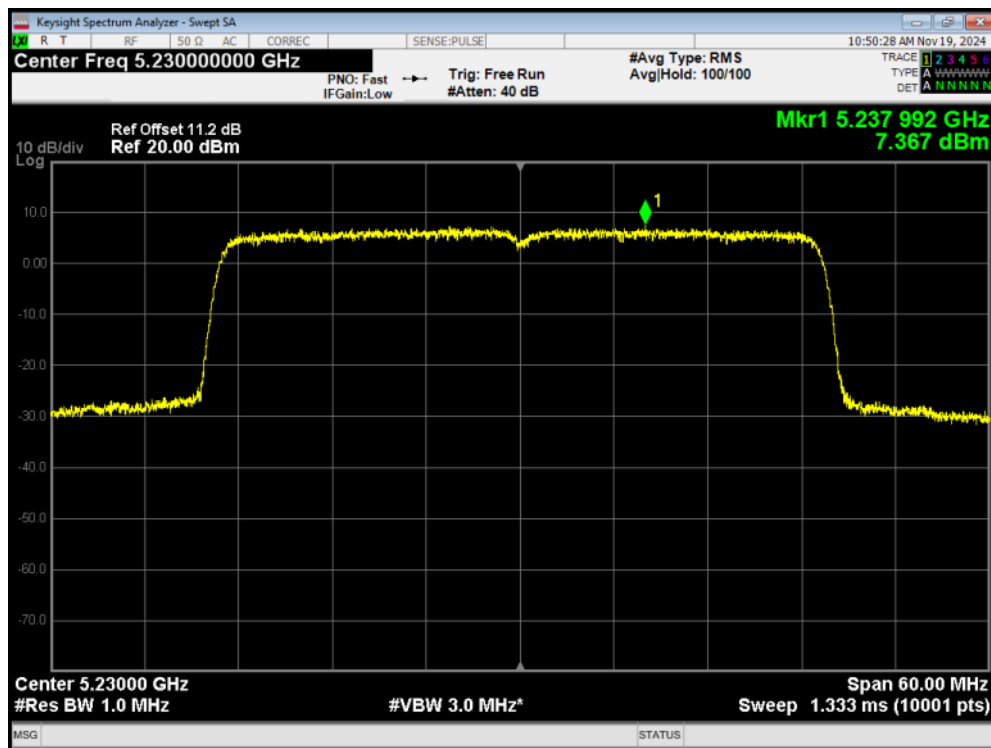
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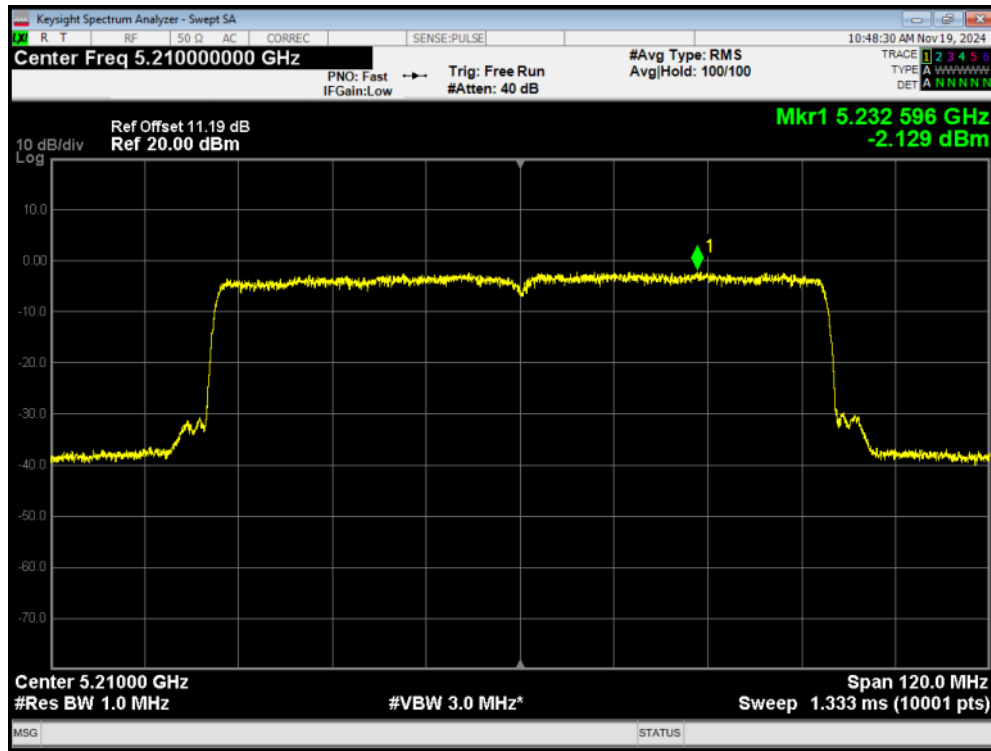
PSD 802.11ax(HE40) 5190MHz



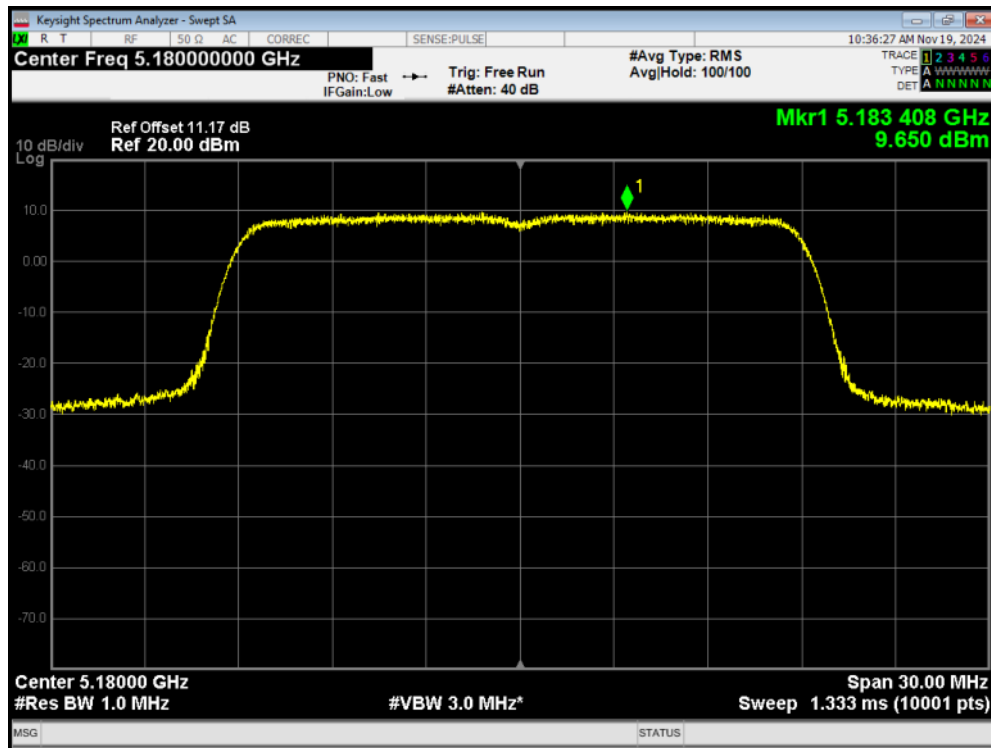
PSD 802.11ax(HE40) 5230MHz



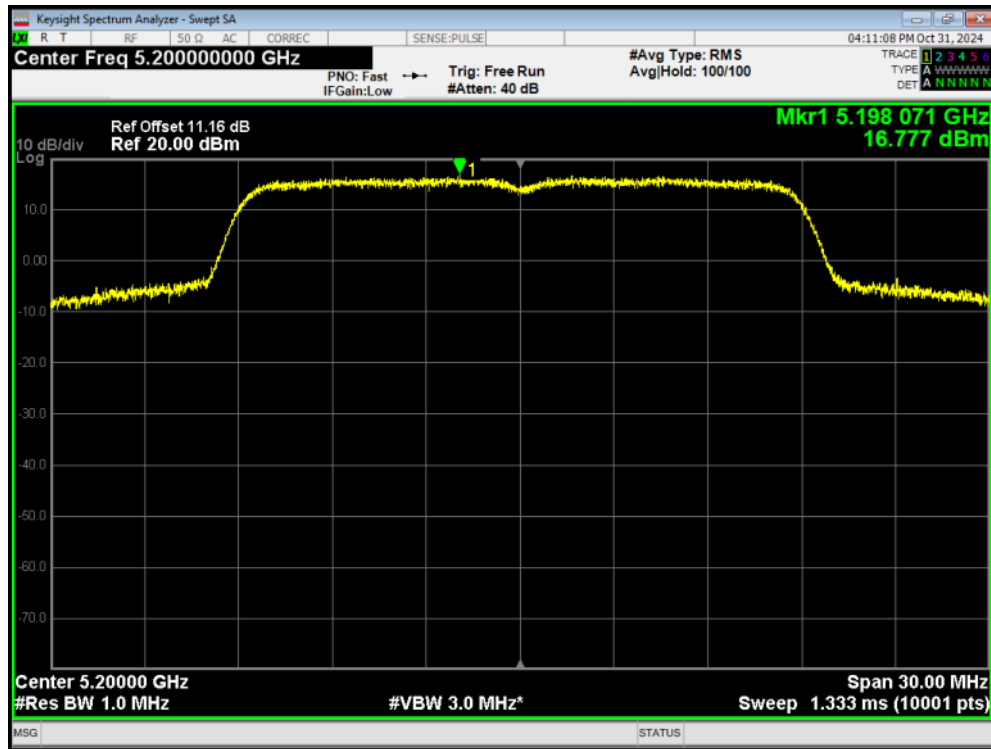
PSD 802.11ax(HE80) 5210MHz



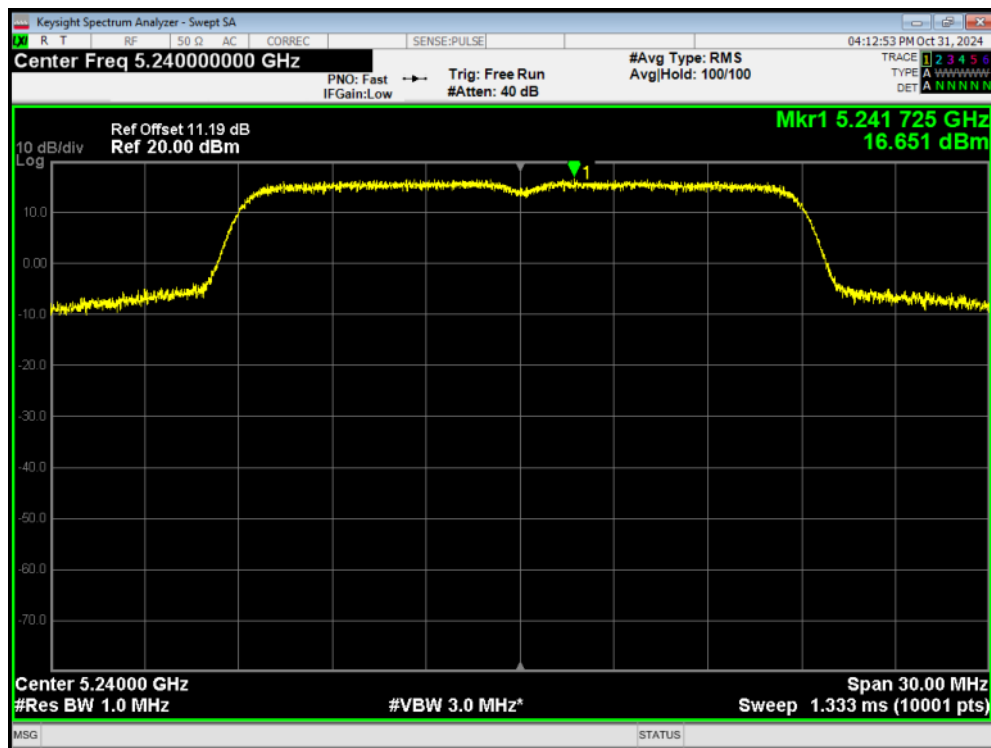
PSD 802.11n(HT20) 5180MHz



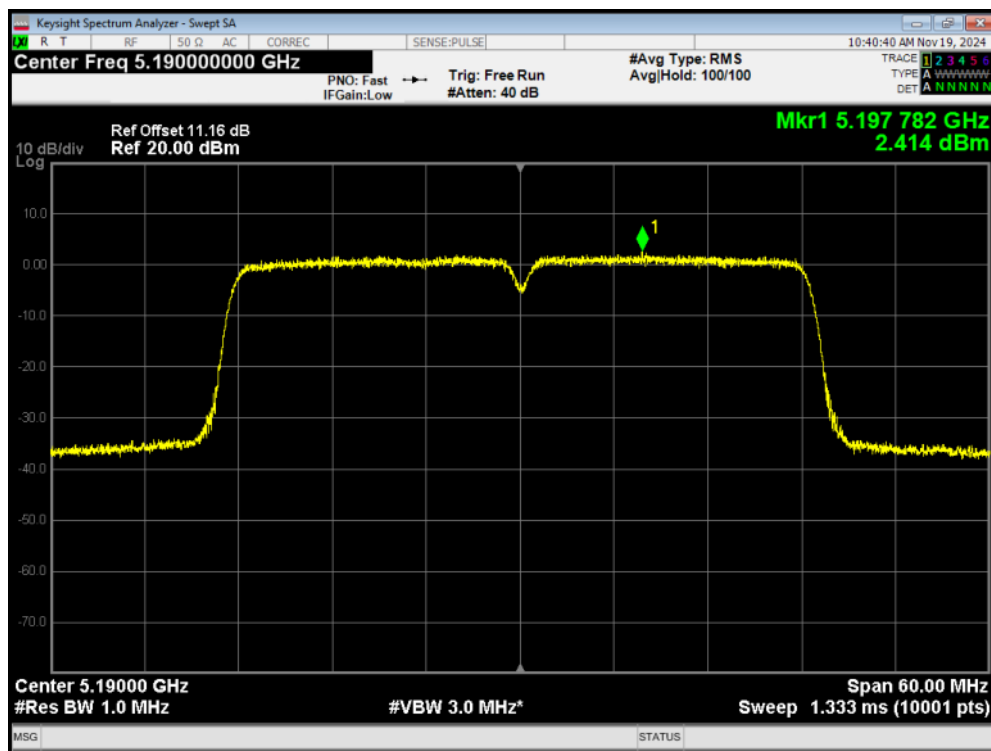
PSD 802.11n(HT20) 5200MHz



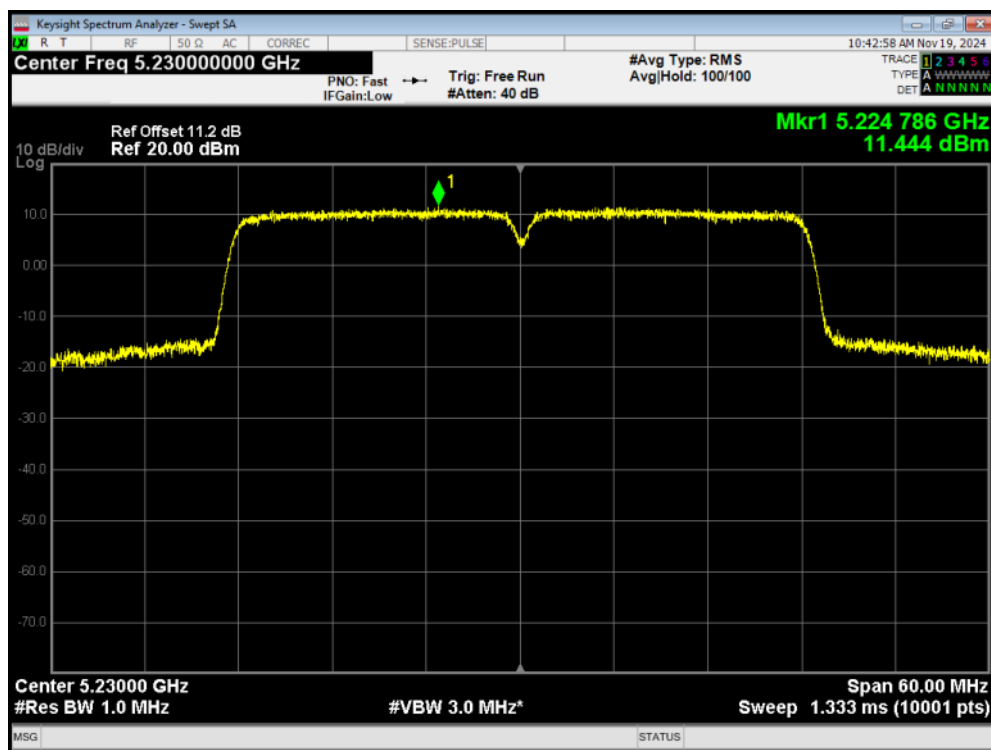
PSD 802.11n(HT20) 5240MHz



PSD 802.11n(HT40) 5190MHz

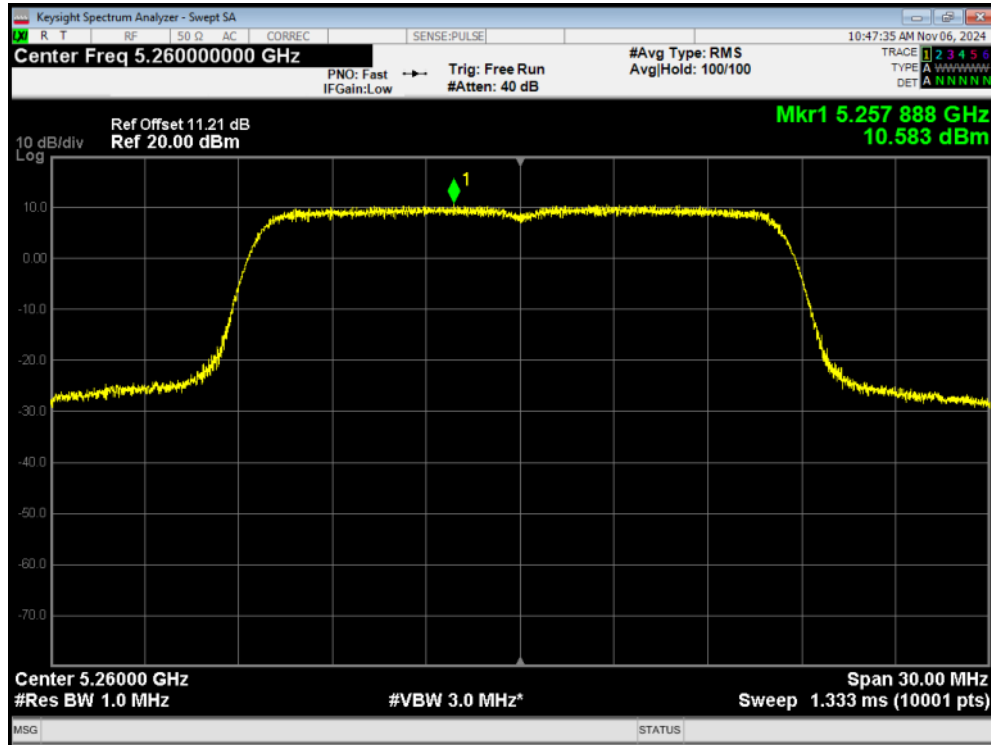


PSD 802.11n(HT40) 5230MHz

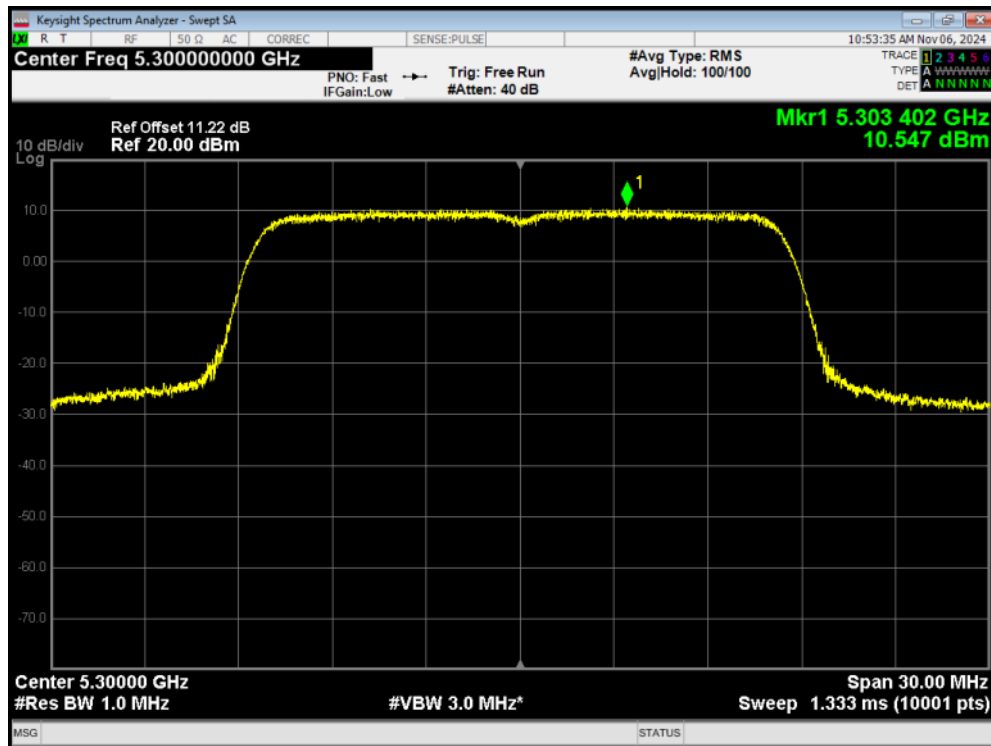


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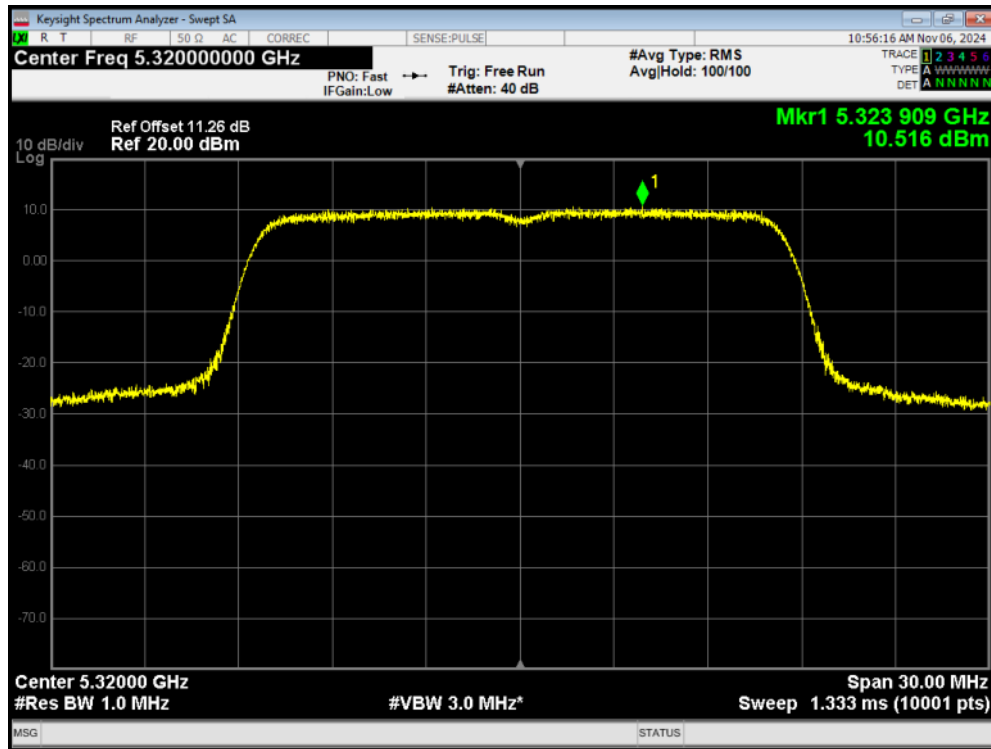
PSD 802.11a 5260MHz



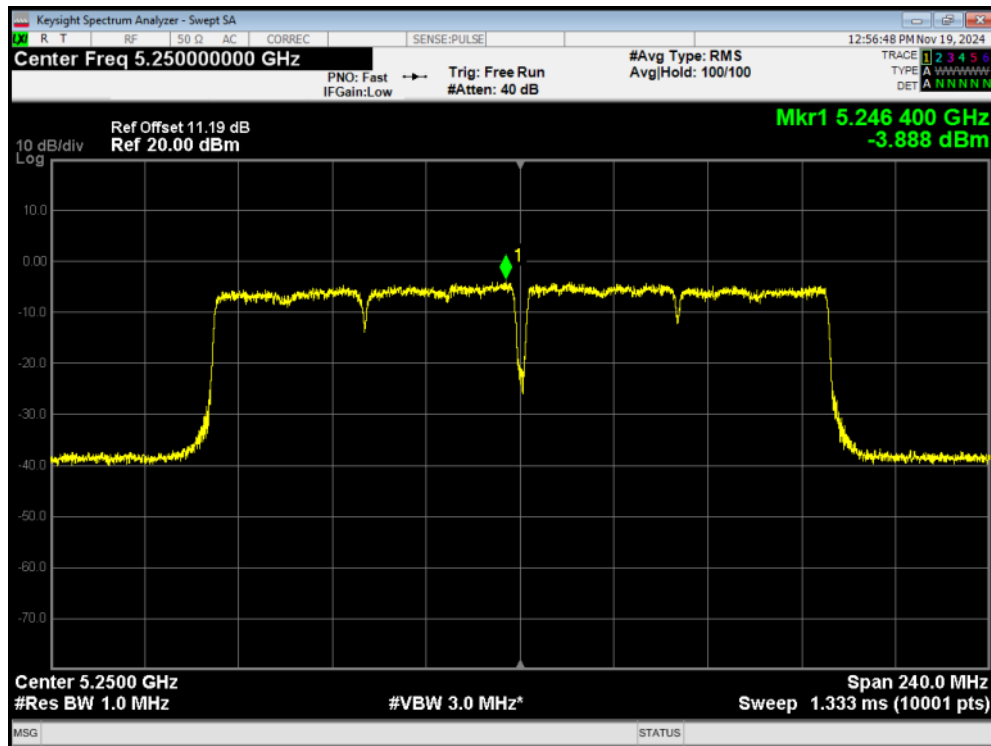
PSD 802.11a 5300MHz



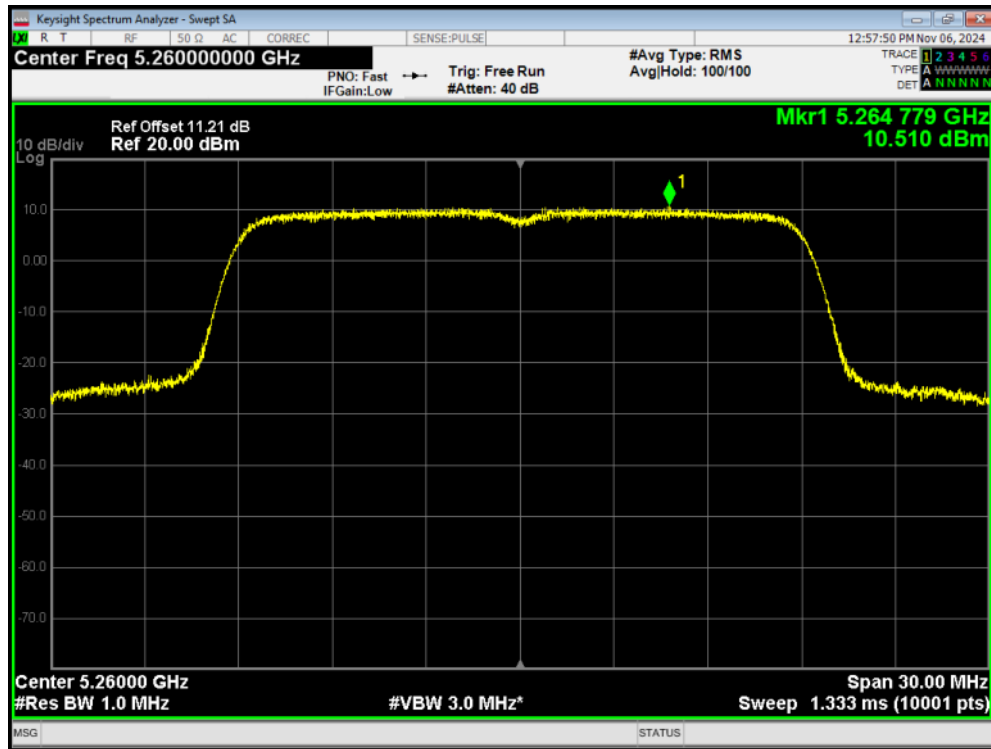
PSD 802.11a 5320MHz



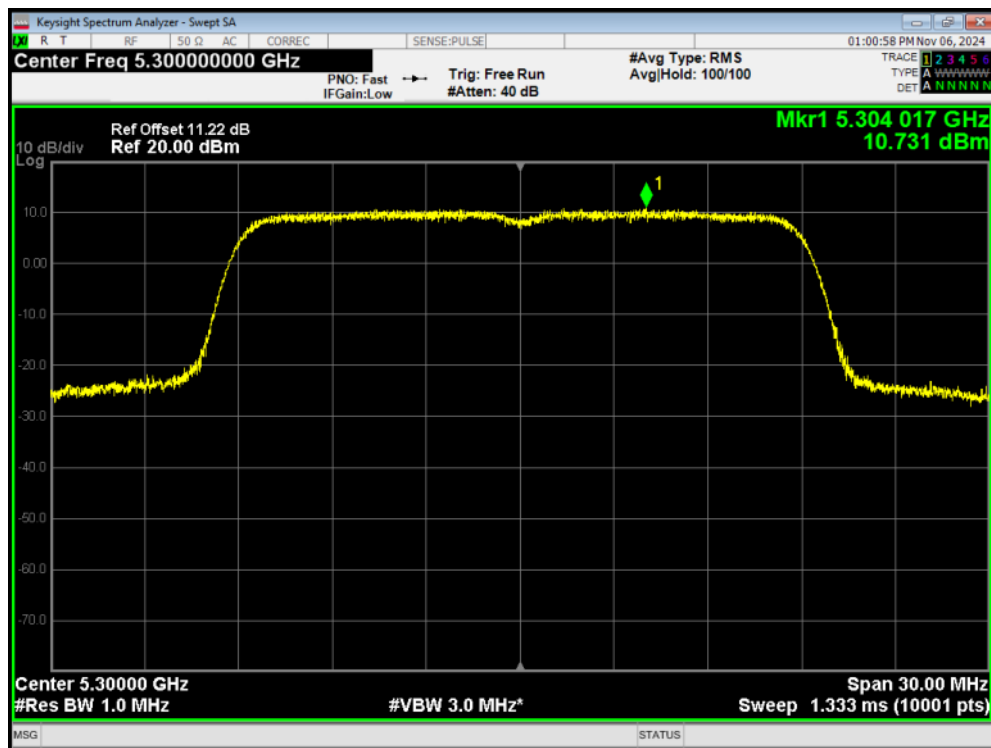
PSD 802.11ac(VHT160) 5250MHz



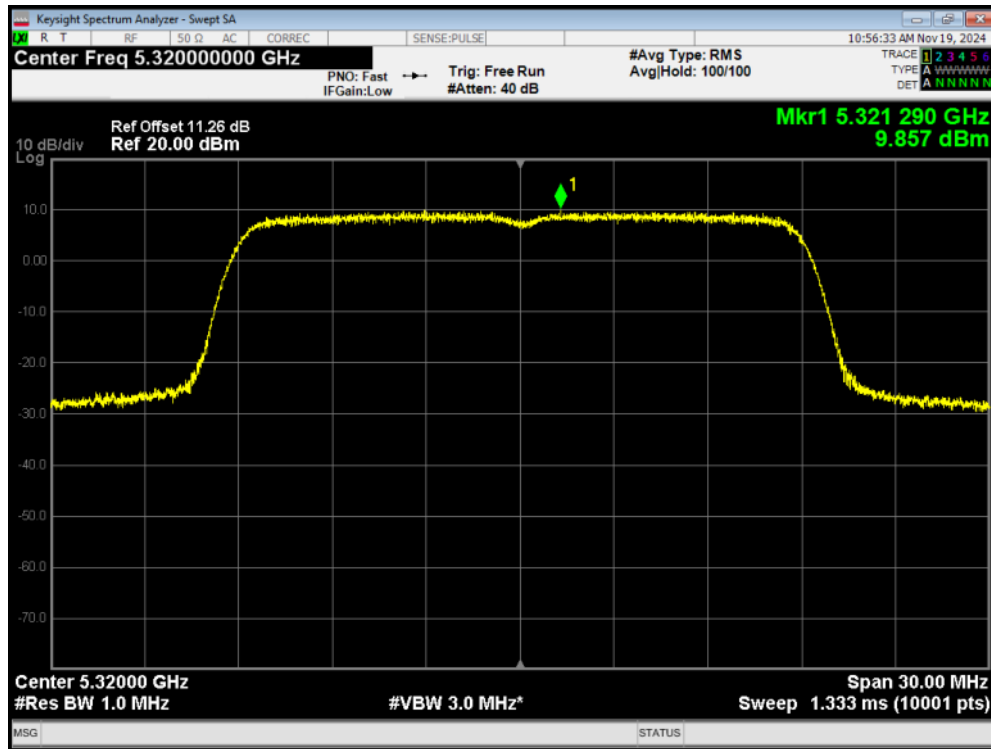
PSD 802.11ac(VHT20) 5260MHz



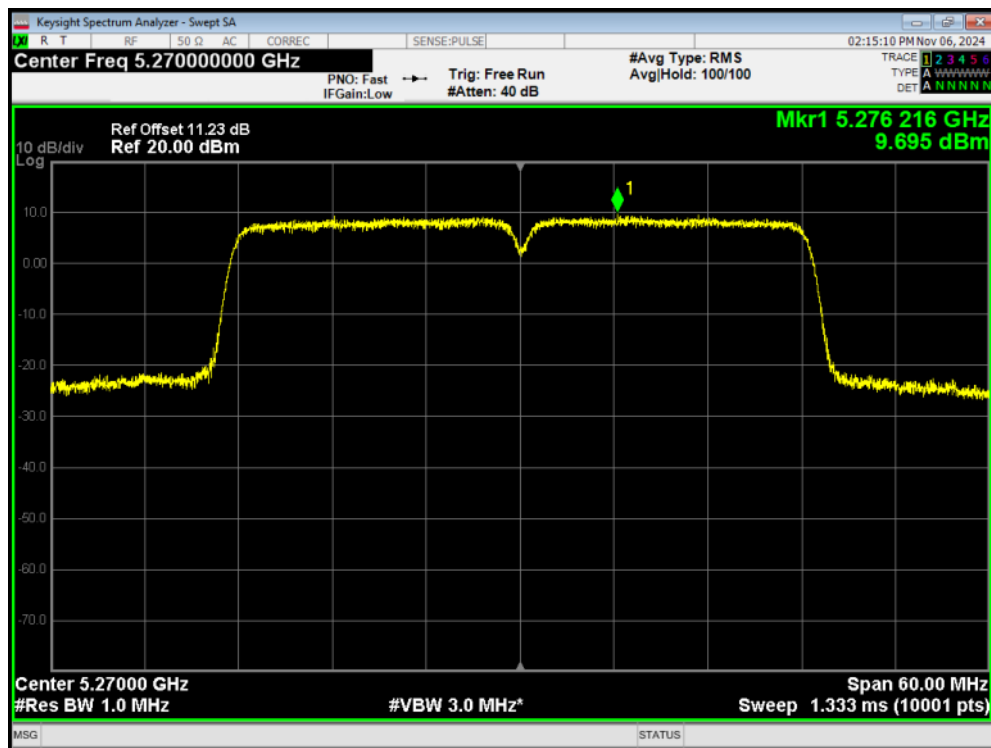
PSD 802.11ac(VHT20) 5300MHz



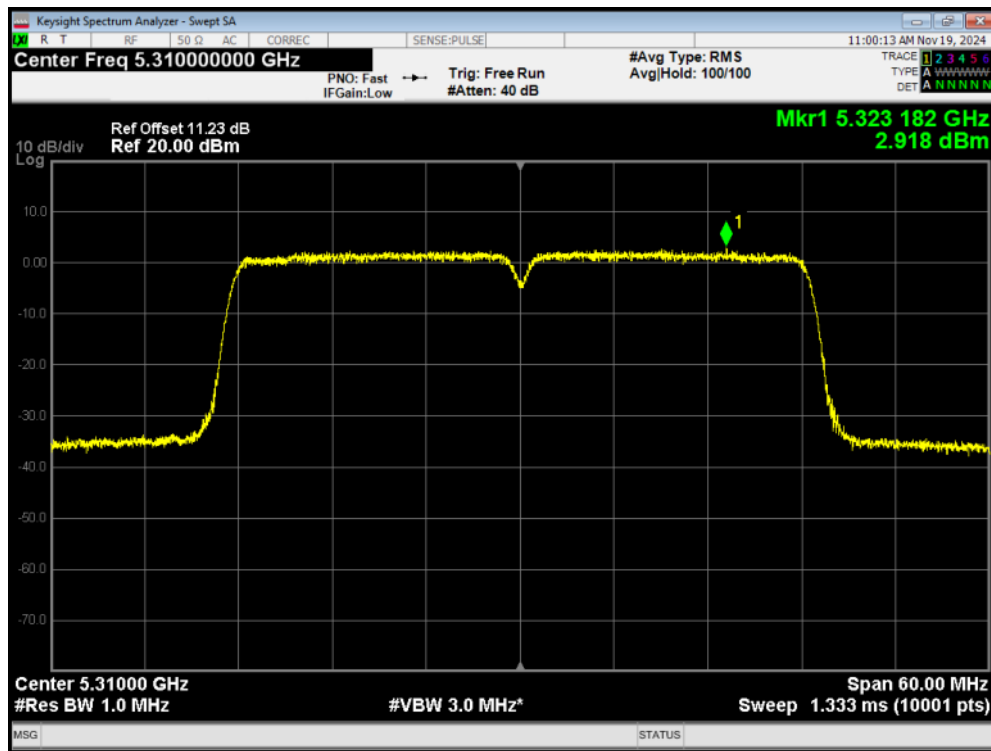
PSD 802.11ac(VHT20) 5320MHz



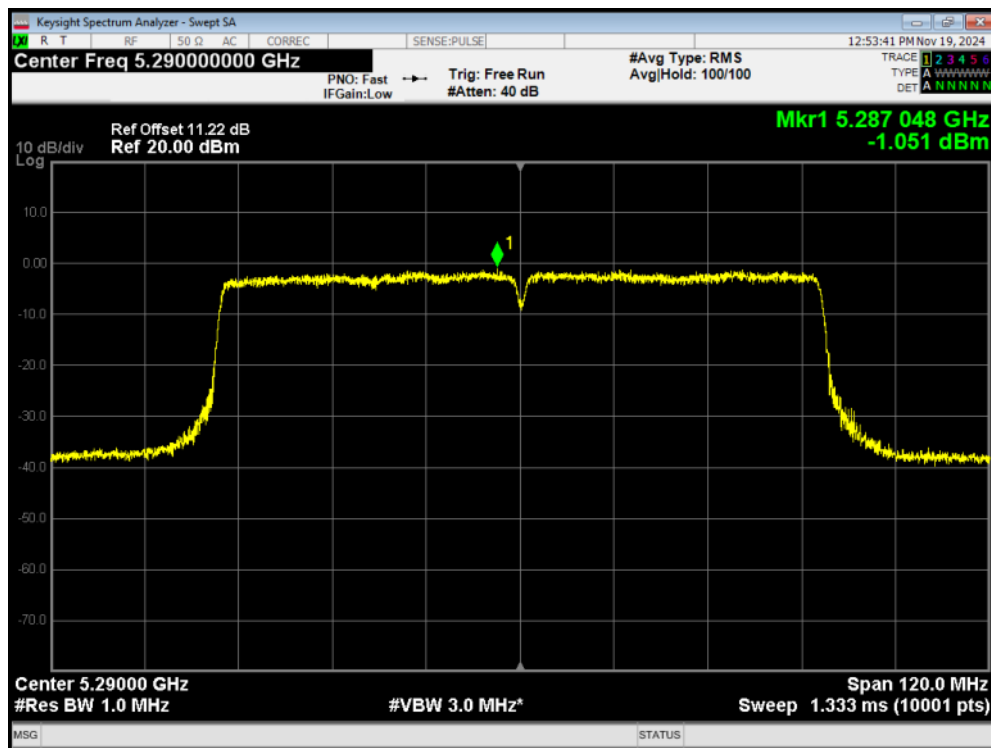
PSD 802.11ac(VHT40) 5270MHz



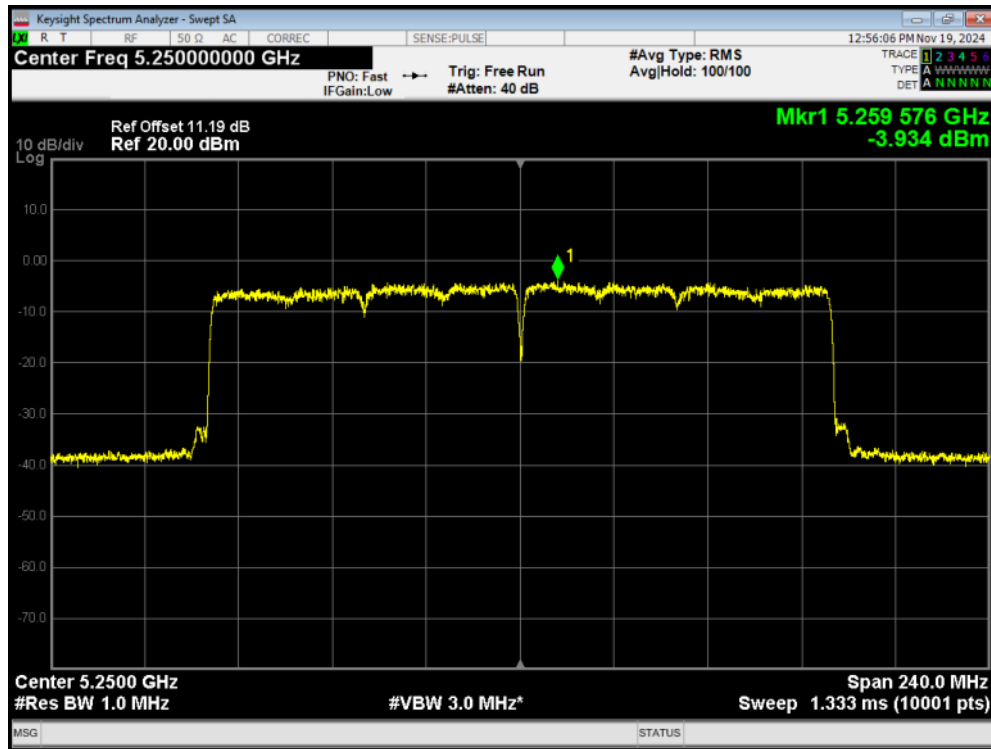
PSD 802.11ac(VHT40) 5310MHz



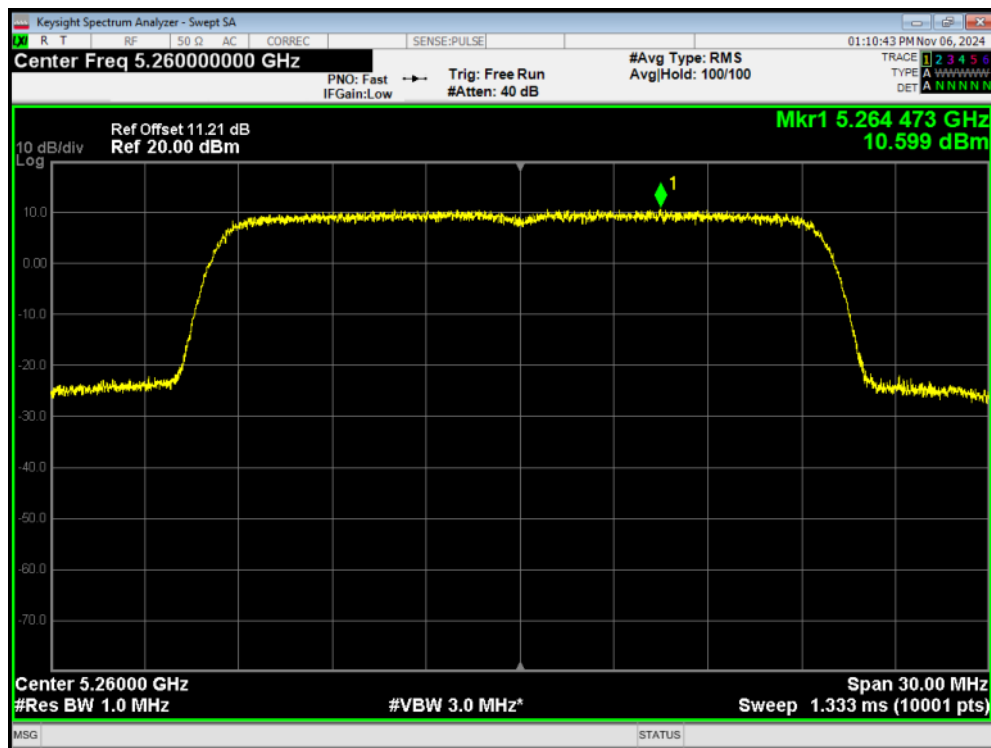
PSD 802.11ac(VHT80) 5290MHz



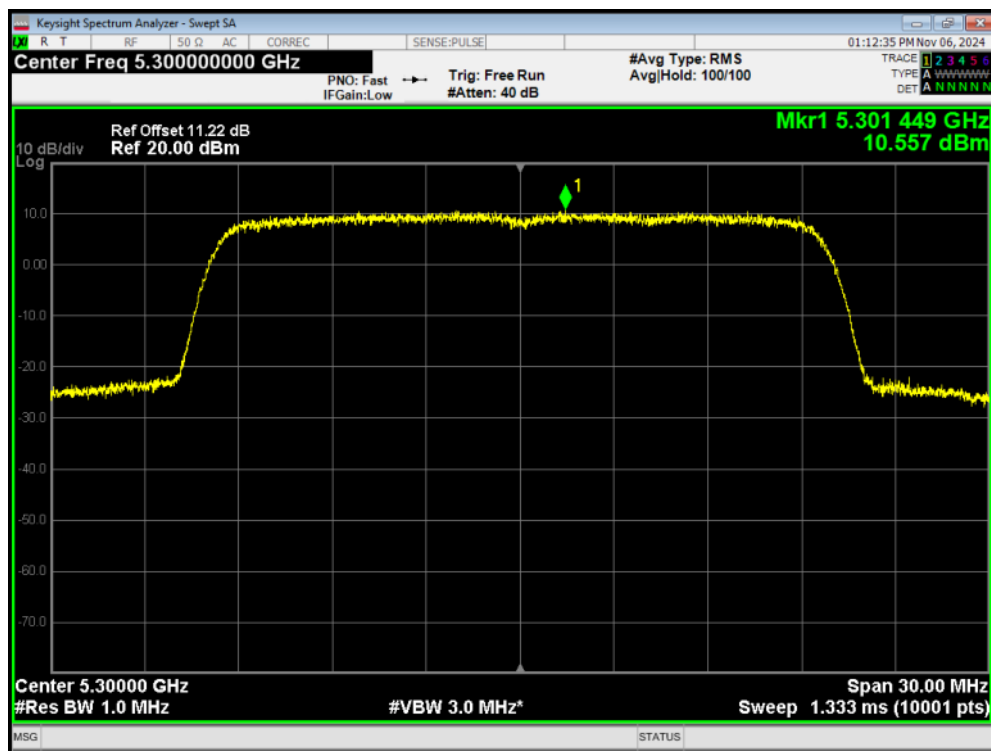
PSD 802.11ax(HE160) 5250MHz



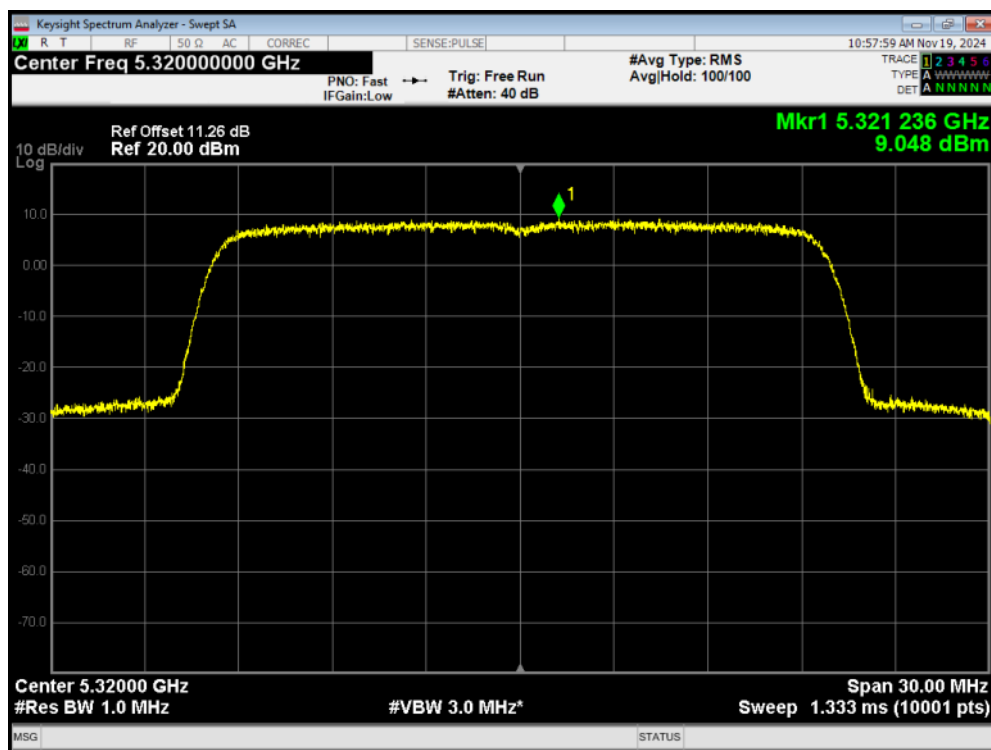
PSD 802.11ax(HE20) 5260MHz



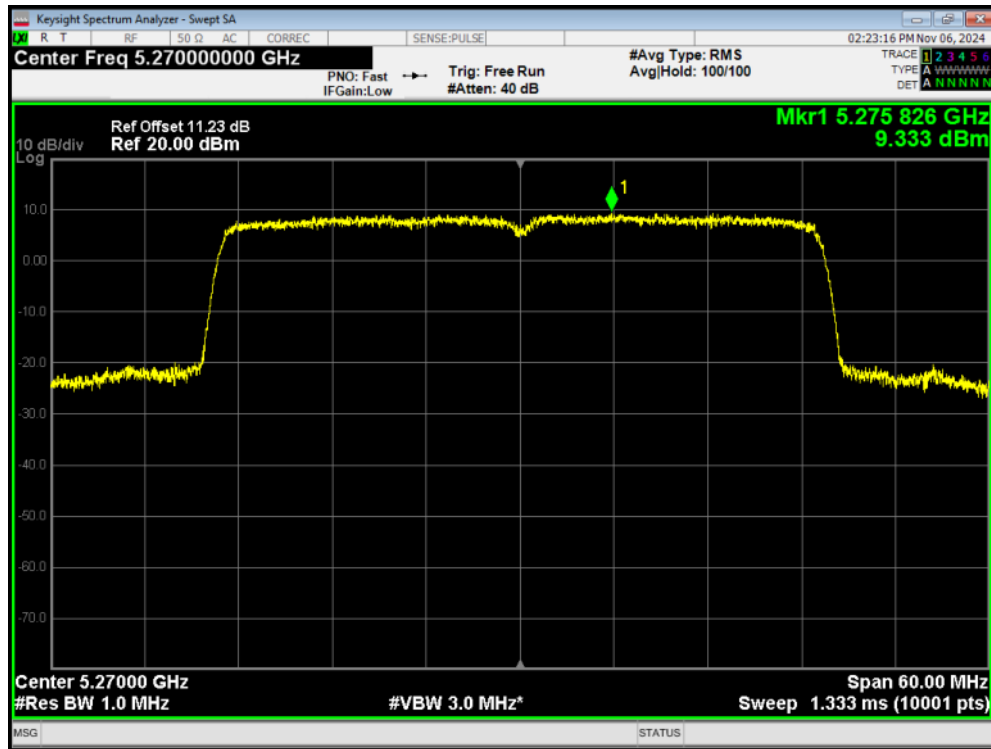
PSD 802.11ax(HE20) 5300MHz



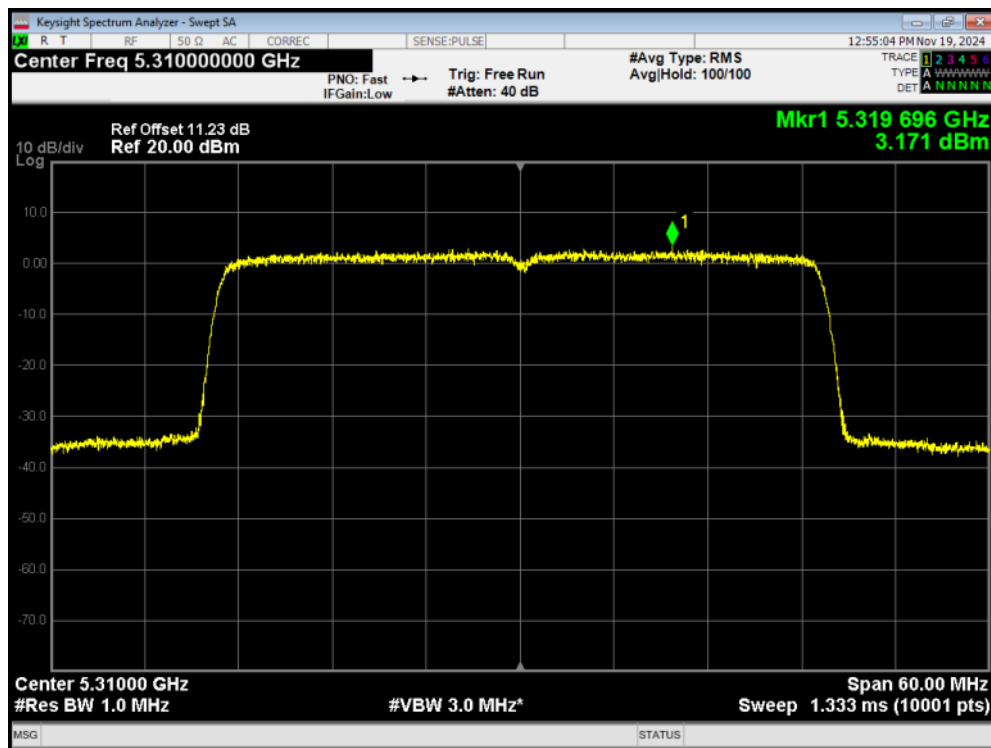
PSD 802.11ax(HE20) 5320MHz



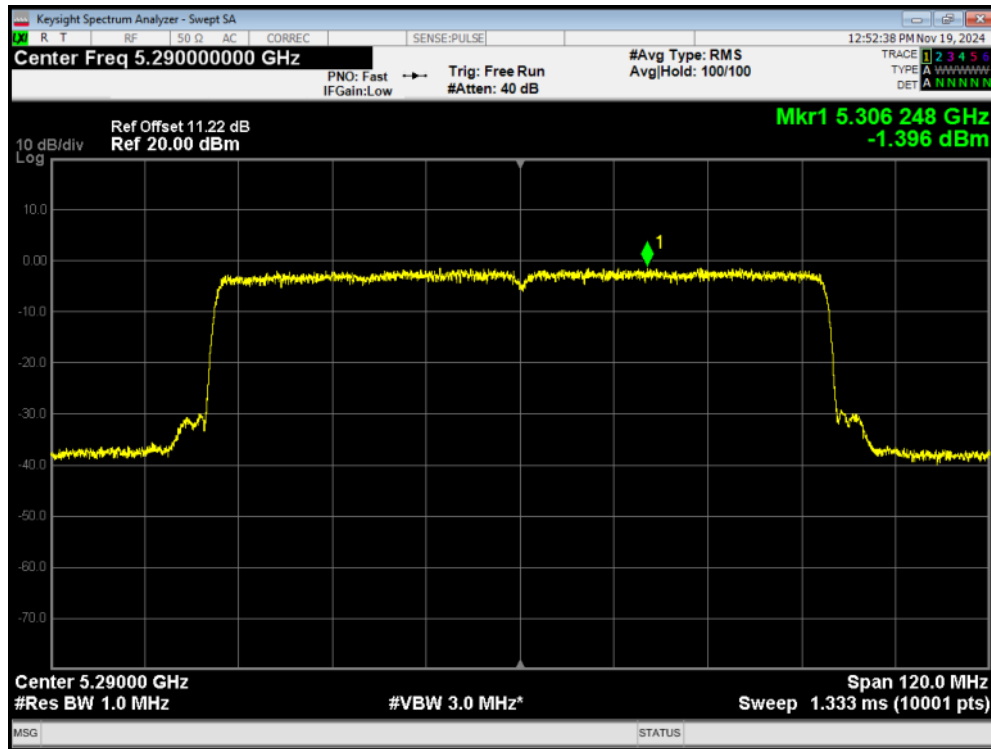
PSD 802.11ax(HE40) 5270MHz



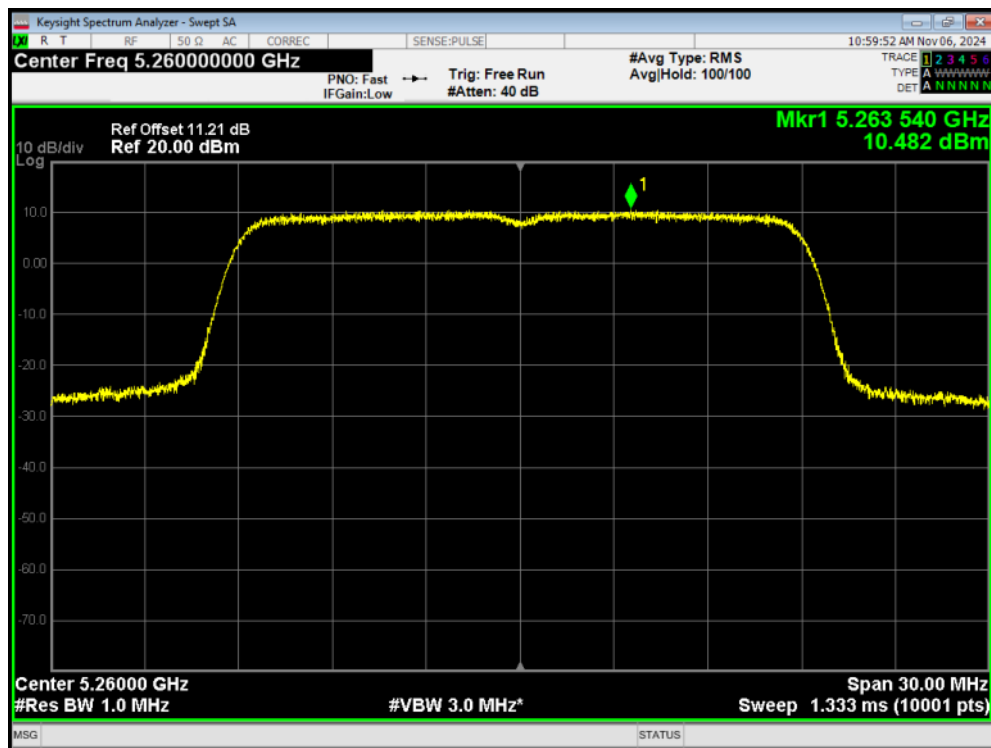
PSD 802.11ax(HE40) 5310MHz



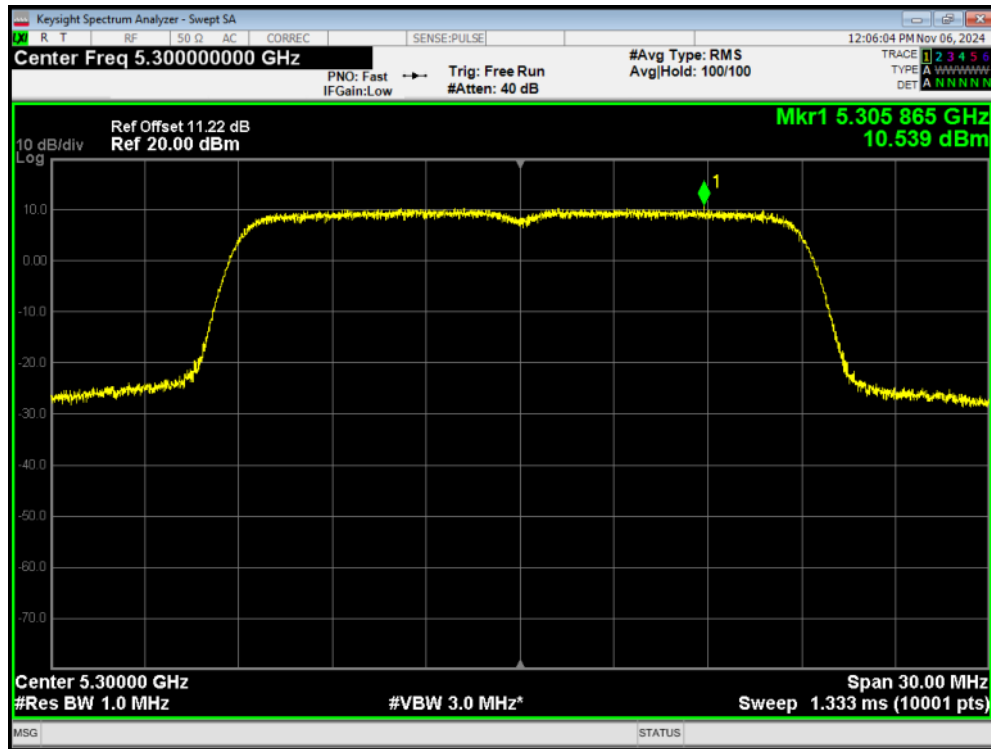
PSD 802.11ax(HE80) 5290MHz



PSD 802.11n(HT20) 5260MHz



PSD 802.11n(HT20) 5300MHz



PSD 802.11n(HT20) 5320MHz

