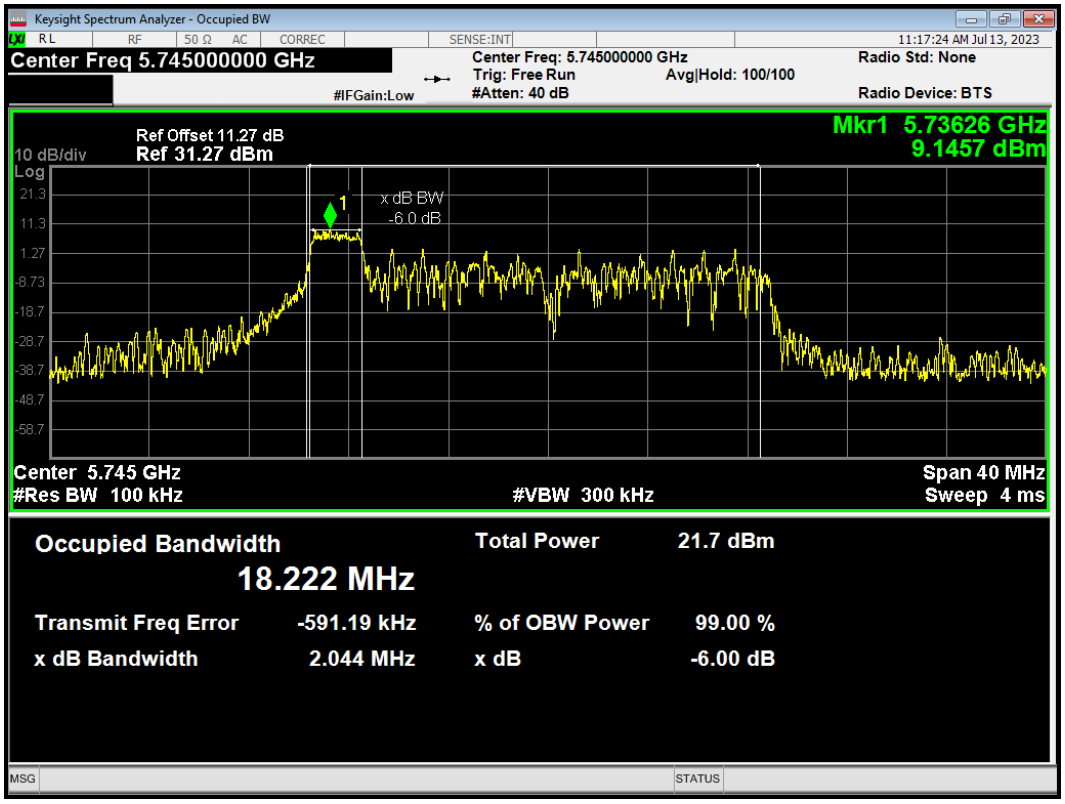
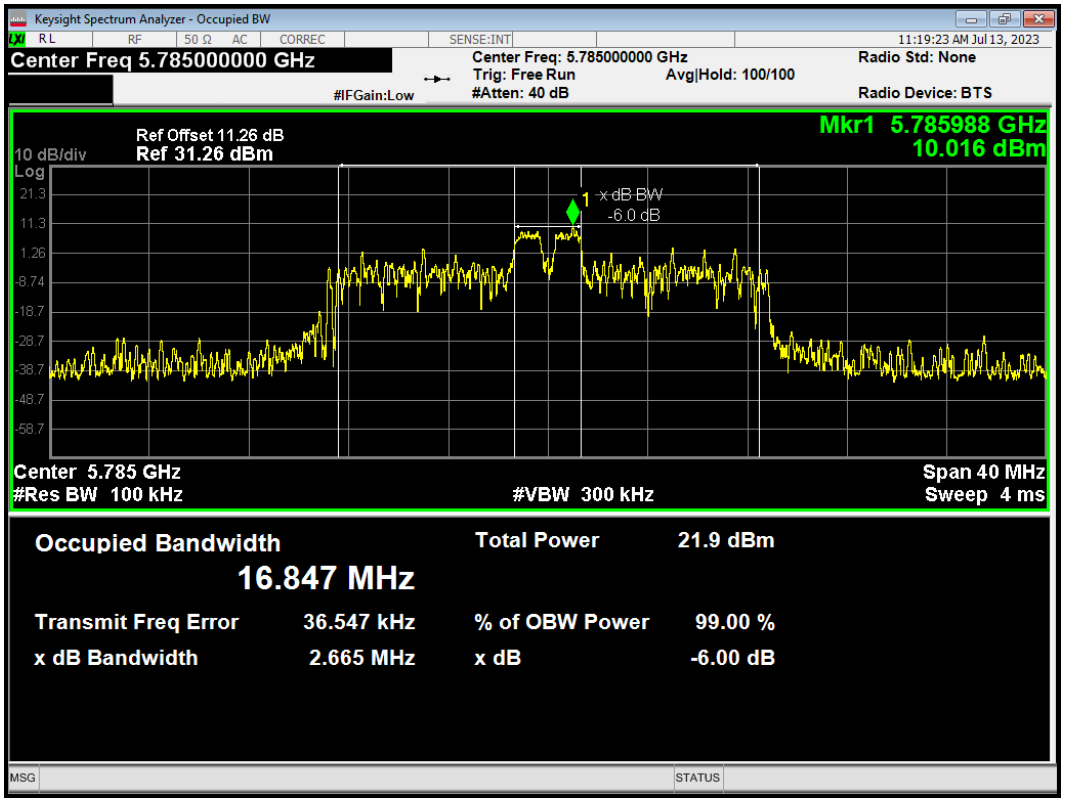
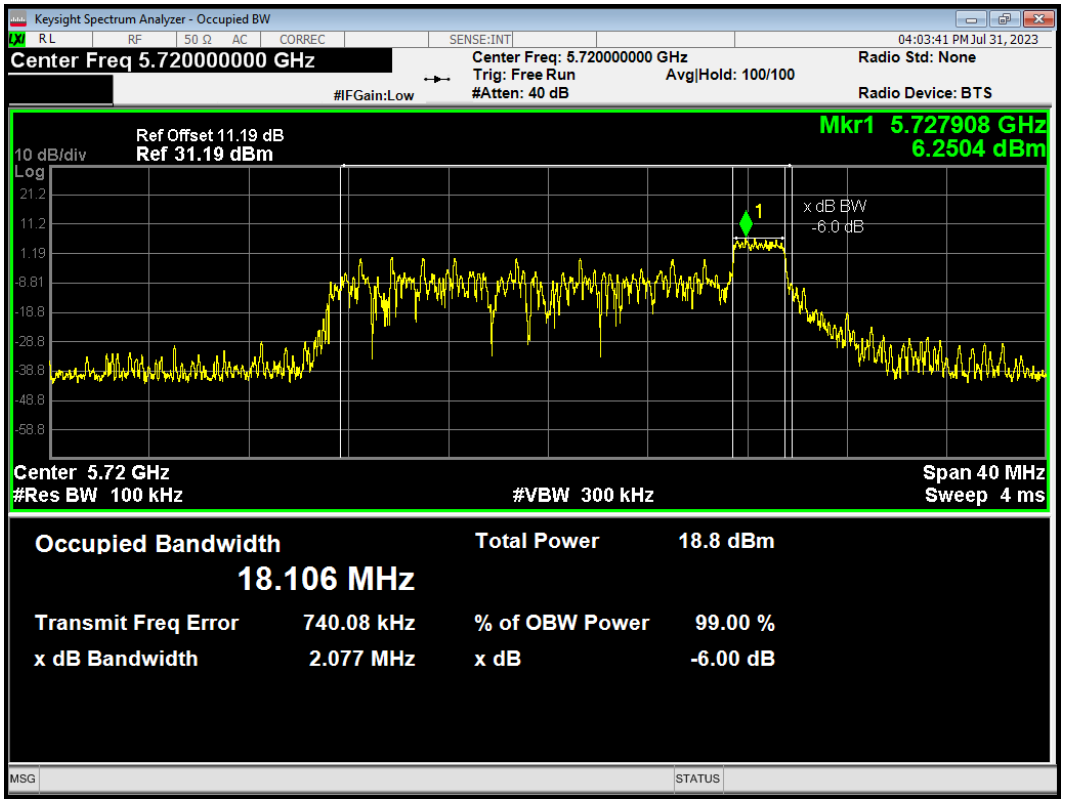
-6dB Bandwidth 11ax(20M) RU26 IDX0 5745MHz



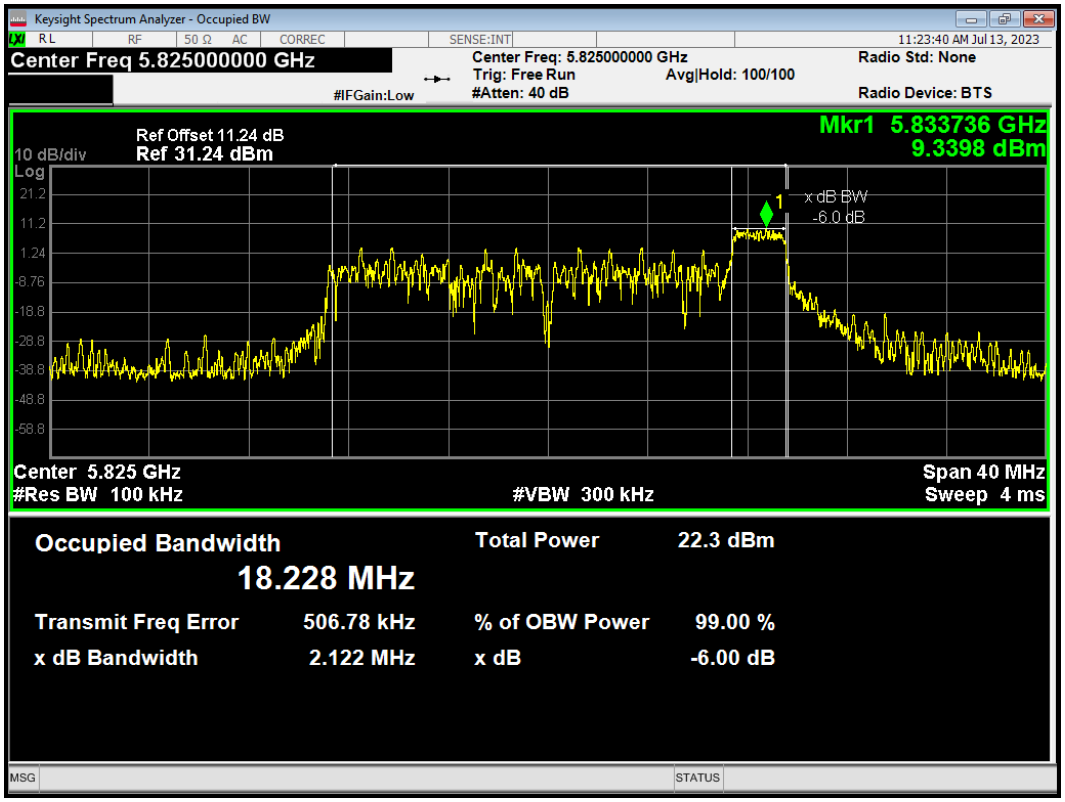
-6dB Bandwidth 11ax(20M) RU26 IDX4 5785MHz



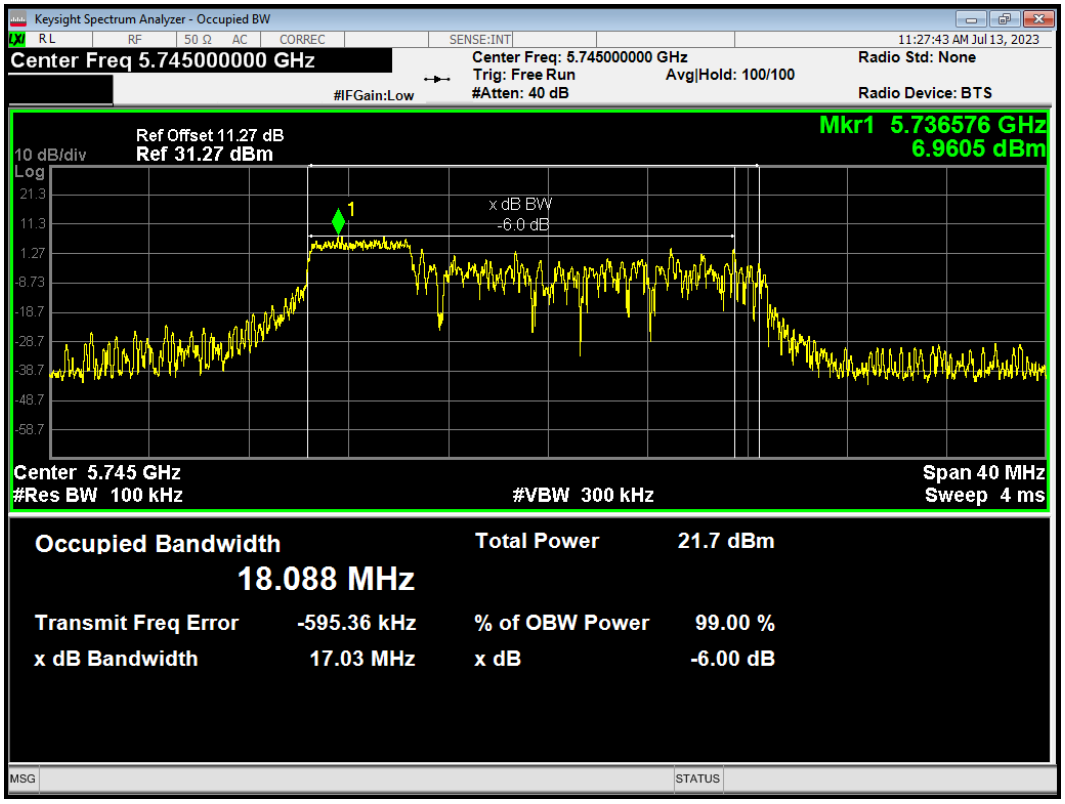
-6dB Bandwidth 11ax(20M) RU26 IDX8 5720MHz



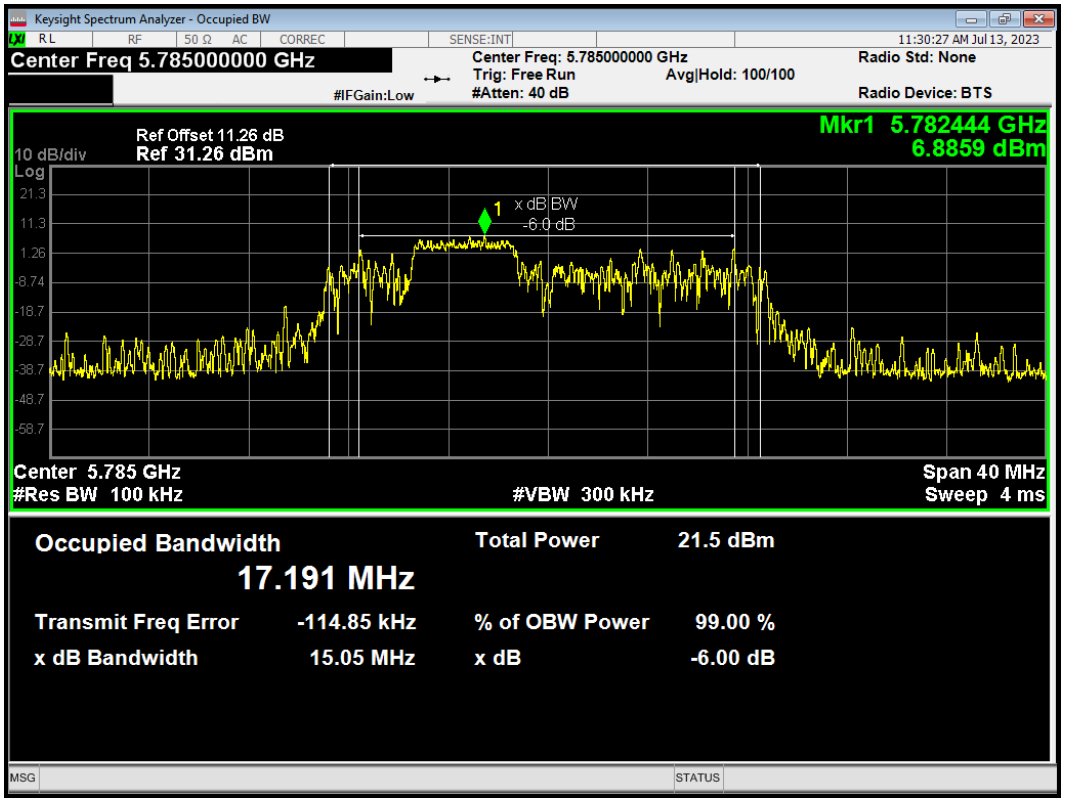
-6dB Bandwidth 11ax(20M) RU26 IDX8 5825MHz



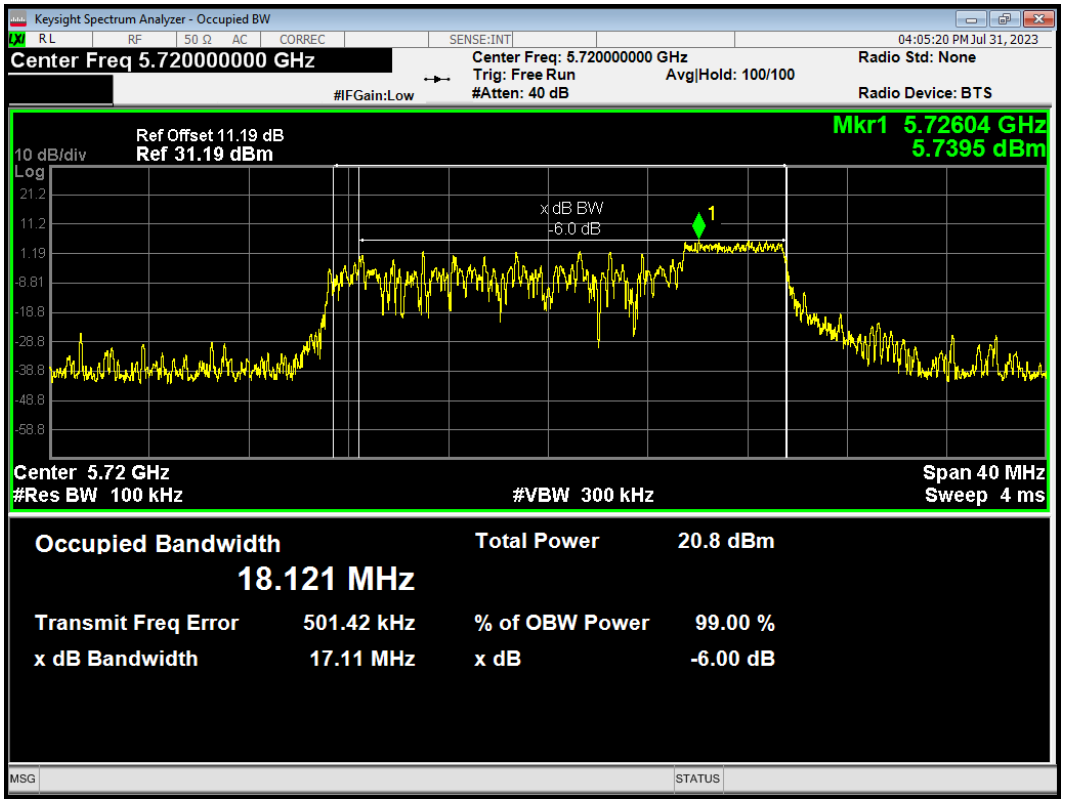
-6dB Bandwidth 11ax(20M) RU52 IDX37 5745MHz



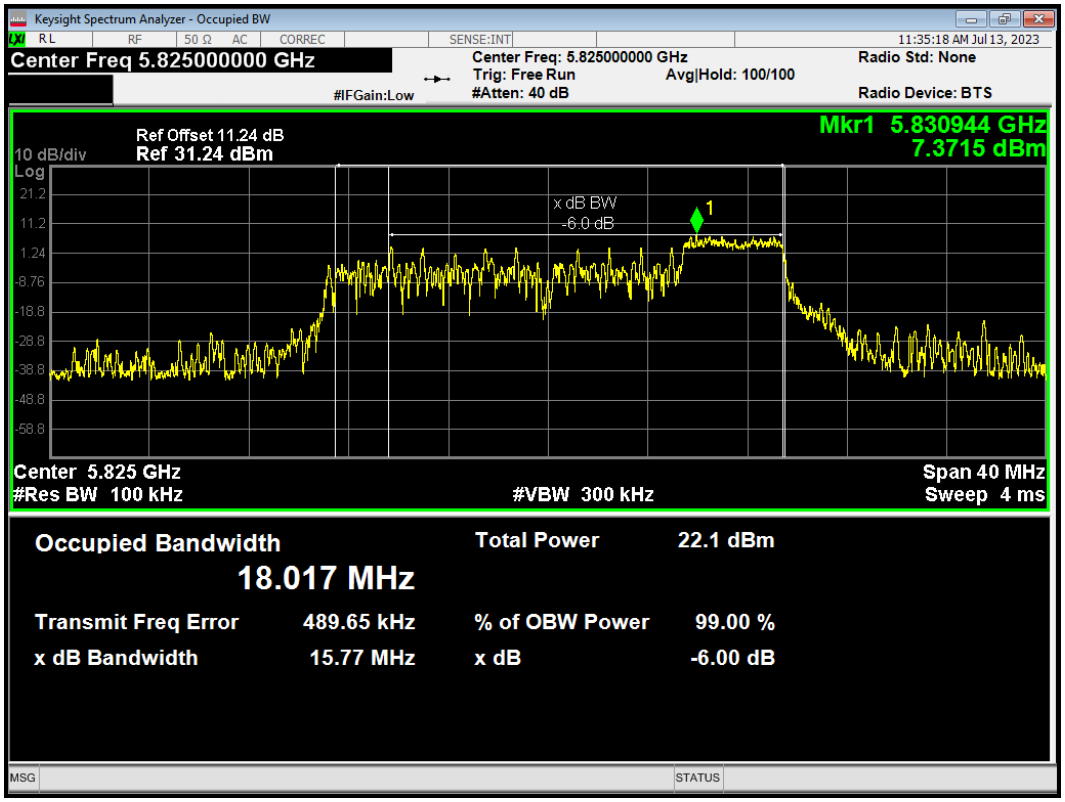
-6dB Bandwidth 11ax(20M) RU52 IDX38 5785MHz



-6dB Bandwidth 11ax(20M) RU52 IDX40 5720MHz



-6dB Bandwidth 11ax(20M) RU52 IDX40 5825MHz



5.2. Average Power Output

Ambient condition

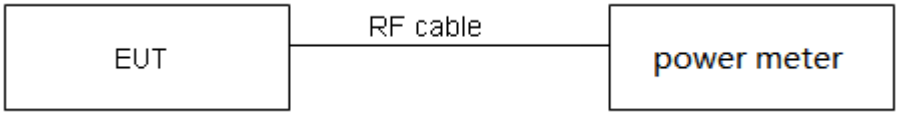
Temperature	Relative humidity
20°C ~ 25°C	45% ~ 50%

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)(2)(3)
(1) For the band 5.15-5.25 GHz.
(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 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 dB.

Test Results

Power Index											
Channel	802.11a	802.11n HT20	802.11ac VHT20	802.11ax HE20	Channel	802.11n HT40	802.11ac VHT40	802.11ax HE40	Channel	802.11ac VHT80	802.11ax HE80
CH36	15	15	15	15	CH38	15	15	15	CH42	15	15
CH40	15	15	15	15	CH46	15	15	15	CH58	15	15
CH48	15	15	15	15	CH54	15	15	15	CH122	15	15
CH52	15	15	15	15	CH62	15	15	15	CH138	15	15
CH60	15	15	15	15	CH102	15	15	15	CH155	15	15
CH64	15	15	15	15	CH118	15	15	15	/	/	/
CH100	15	15	15	15	CH134	15	15	15	/	/	/
CH120	15	15	15	15	CH142	15	15	15	/	/	/
CH140	15	15	15	15	CH151	15	15	15	/	/	/
CH144	15	15	15	15	CH159	15	15	15	/	/	/
CH149	15	15	15	15	/	/	/	/	/	/	/
CH157	15	15	15	15	/	/	/	/	/	/	/
CH165	15	15	15	15	/	/	/	/	/	/	/

Mode	Duty cycle	Duty cycle correction Factor (dB)
802.11a	0.788	1.040
802.11n HT20	0.776	1.100
802.11n HT40	0.367	4.350
802.11ac VHT20	0.782	1.070
802.11ac VHT40	0.354	4.510
802.11ac VHT80	0.345	4.630
802.11ax HE20	0.466	3.310
802.11ax HE40	0.458	3.390
802.11ax HE80	0.441	3.550
Note: when Duty cycle≥0.98, Duty cycle correction Factor not required.		

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	24.84	24.95>24	24.00
		60/5300	26.07	25.16>24	24.00
		64/5320	25.52	25.07>24	24.00
	802.11n HT20	52/5260	28.02	25.47>24	24.00
		60/5300	27.04	25.32>24	24.00
		64/5320	29.86	25.75>24	24.00
	802.11n HT40	54/5270	40.29	27.05>24	24.00
		62/5310	40.19	27.04>24	24.00
	802.11ac VHT20	52/5260	27.37	25.37>24	24.00
		60/5300	28.27	25.51>24	24.00
		64/5320	26.98	25.31>24	24.00
	802.11ac VHT40	54/5270	40.22	27.04>24	24.00
		62/5310	40.66	27.09>24	24.00
	802.11ac VHT80	58/5290	79.95	30.03>24	24.00
	802.11ax HE20	52/5260	23.98	24.80>24	24.00
		60/5300	24.50	24.89>24	24.00
		64/5320	23.71	24.75>24	24.00
	802.11ax HE40	54/5270	39.54	26.97>24	24.00
		62/5310	39.65	26.98>24	24.00
	802.11ax HE80	58/5290	80.34	30.05>24	24.00
U-NII-2C	802.11a	100/5500	26.41	25.22>24	24.00
		120/5600	27.09	25.33>24	24.00
		140/5700	26.52	25.24>24	24.00
		144/5720	25.45	25.06>24	24.00
	802.11n HT20	100/5500	26.89	25.30>24	24.00
		120/5600	28.82	25.60>24	24.00
		140/5700	26.65	25.26>24	24.00
		144/5720	27.24	25.35>24	24.00
	802.11n HT40	102/5510	40.07	27.03>24	24.00
		118/5590	40.31	27.05>24	24.00
		134/5670	40.10	27.03>24	24.00
		142/5710	40.23	27.05>24	24.00
	802.11ac VHT20	100/5500	30.96	25.91>24	24.00
		120/5600	28.09	25.48>24	24.00
		140/5700	27.40	25.38>24	24.00
		144/5720	27.02	25.32>24	24.00

	802.11ac VHT40	102/5510	40.42	27.07>24	24.00
		118/5590	40.49	27.07>24	24.00
		134/5670	40.43	27.07>24	24.00
		142/5710	40.14	27.04>24	24.00
	802.11ac VHT80	122/5610	79.50	30.00>24	24.00
		138/5690	79.59	30.01>24	24.00
	802.11ax HE20	100/5500	22.84	24.59>24	24.00
		120/5600	30.37	25.82>24	24.00
		140/5700	23.46	24.70>24	24.00
		144/5720	22.82	24.58>24	24.00
	802.11ax HE40	102/5510	39.46	26.96>24	24.00
		118/5590	39.59	26.98>24	24.00
		134/5670	39.54	26.97>24	24.00
		142/5710	39.50	26.97>24	24.00
	802.11ax HE80	122/5610	80.43	30.05>24	24.00
		138/5690	80.61	30.06>24	24.00
Note: 250mW=24dBm					

SISO Antenna 1

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Test Mode	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11a	36/5180	13.94	14.98	24.00	PASS
	40/5200	14.14	15.18	24.00	PASS
	48/5240	14.38	15.42	24.00	PASS
802.11n HT20	36/5180	13.90	15.00	24.00	PASS
	40/5200	14.07	15.17	24.00	PASS
	48/5240	14.09	15.19	24.00	PASS
802.11n HT40	38/5190	10.33	14.68	24.00	PASS
	46/5230	10.73	15.08	24.00	PASS
802.11ac VHT20	36/5180	13.99	15.06	24.00	PASS
	40/5200	14.24	15.31	24.00	PASS
	48/5240	14.32	15.39	24.00	PASS
802.11ac VHT40	38/5190	10.39	14.90	24.00	PASS
	46/5230	10.78	15.29	24.00	PASS
802.11ac VHT80	42/5210	10.04	14.67	24.00	PASS
802.11ax HE20	36/5180	11.88	15.19	24.00	PASS
	40/5200	12.02	15.33	24.00	PASS
	48/5240	12.22	15.53	24.00	PASS
802.11ax HE40	38/5190	12.26	15.65	24.00	PASS
	46/5230	12.06	15.45	24.00	PASS
802.11ax HE80	42/5210	11.42	14.97	24.00	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	14.24	15.28	24.00	PASS
	60/5300	14.49	15.53	24.00	PASS
	64/5320	14.74	15.78	24.00	PASS
802.11n HT20	52/5260	13.85	14.95	24.00	PASS
	60/5300	14.65	15.75	24.00	PASS
	64/5320	14.61	15.71	24.00	PASS
802.11n HT40	54/5270	10.19	14.54	24.00	PASS
	62/5310	11.01	15.36	24.00	PASS
802.11ac VHT20	52/5260	13.82	14.89	24.00	PASS
	60/5300	14.53	15.60	24.00	PASS
	64/5320	14.83	15.90	24.00	PASS
802.11ac VHT40	54/5270	10.38	14.89	24.00	PASS
	62/5310	11.20	15.71	24.00	PASS
802.11ac VHT80	58/5290	10.18	14.81	24.00	PASS
802.11ax HE20	52/5260	11.90	15.21	24.00	PASS
	60/5300	12.61	15.92	24.00	PASS
	64/5320	12.65	15.96	24.00	PASS
802.11ax HE40	54/5270	12.28	15.67	24.00	PASS
	62/5310	12.41	15.80	24.00	PASS
802.11ax HE80	58/5290	11.53	15.08	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	14.30	15.34	24.00	PASS
	120/5600	15.02	16.06	24.00	PASS
	140/5700	14.83	15.87	24.00	PASS
	144/5720	14.16	15.20	24.00	PASS
802.11n HT20	100/5500	14.18	15.28	24.00	PASS
	120/5600	15.01	16.11	24.00	PASS
	140/5700	14.58	15.68	24.00	PASS
	144/5720	13.96	15.06	24.00	PASS
802.11n HT40	102/5510	10.47	14.82	24.00	PASS
	118/5590	11.19	15.54	24.00	PASS
	134/5670	10.45	14.80	24.00	PASS
	142/5710	11.06	15.41	24.00	PASS
802.11ac VHT20	100/5500	14.15	15.22	24.00	PASS
	120/5600	14.98	16.05	24.00	PASS
	140/5700	14.73	15.80	24.00	PASS
	144/5720	14.08	15.15	24.00	PASS
802.11ac VHT40	102/5510	10.79	15.30	24.00	PASS
	118/5590	11.19	15.70	24.00	PASS
	134/5670	10.48	14.99	24.00	PASS
	142/5710	11.18	15.69	24.00	PASS
802.11ac VHT80	122/5610	10.88	15.51	24.00	PASS
	138/5690	10.39	15.02	24.00	PASS
802.11ax HE20	100/5500	12.13	15.44	24.00	PASS
	120/5600	12.99	16.30	24.00	PASS
	140/5700	12.58	15.89	24.00	PASS
	144/5720	11.87	15.18	24.00	PASS
802.11ax HE40	102/5510	11.97	15.36	24.00	PASS
	118/5590	13.53	16.92	24.00	PASS
	134/5670	12.22	15.61	24.00	PASS
	142/5710	12.47	15.86	24.00	PASS
802.11ax HE80	122/5610	12.29	15.84	24.00	PASS
	138/5690	11.96	15.51	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	6.03	7.07	30.00	PASS
	149/5745	12.80	13.84	30.00	PASS
	157/5785	12.57	13.61	30.00	PASS
	165/5825	12.69	13.73	30.00	PASS
802.11n HT20	144/5720	6.07	7.17	30.00	PASS
	149/5745	12.61	13.71	30.00	PASS
	157/5785	12.44	13.54	30.00	PASS
	165/5825	12.57	13.67	30.00	PASS
802.11n HT40	142/5710	-1.31	3.04	30.00	PASS
	151/5755	10.85	15.20	30.00	PASS
	159/5795	10.67	15.02	30.00	PASS
802.11ac VHT20	144/5720	5.20	6.27	30.00	PASS
	149/5745	12.72	13.79	30.00	PASS
	157/5785	12.60	13.67	30.00	PASS
	165/5825	12.71	13.78	30.00	PASS
802.11ac VHT40	142/5710	-2.32	2.19	30.00	PASS
	151/5755	10.91	15.42	30.00	PASS
	159/5795	10.73	15.24	30.00	PASS
802.11ac VHT80	138/5690	-5.37	-0.74	30.00	PASS
	155/5775	10.36	14.99	30.00	PASS
802.11ax HE20	144/5720	5.92	9.23	30.00	PASS
	149/5745	12.40	15.71	30.00	PASS
	157/5785	12.18	15.49	30.00	PASS
	165/5825	12.47	15.78	30.00	PASS
802.11ax HE40	142/5710	2.02	5.41	30.00	PASS
	151/5755	13.07	16.46	30.00	PASS
	159/5795	13.15	16.54	30.00	PASS
802.11ax HE80	138/5690	-3.11	0.44	30.00	PASS
	155/5775	11.73	15.28	30.00	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	14.04	15.08	24.00	PASS
	40/5200	14.31	15.35	24.00	PASS
	48/5240	13.76	14.80	24.00	PASS
802.11n HT20	36/5180	14.08	15.18	24.00	PASS
	40/5200	14.10	15.20	24.00	PASS
	48/5240	13.62	14.72	24.00	PASS
802.11n HT40	38/5190	10.93	15.28	24.00	PASS
	46/5230	10.42	14.77	24.00	PASS
802.11ac VHT20	36/5180	14.15	15.22	24.00	PASS
	40/5200	14.31	15.38	24.00	PASS
	48/5240	13.61	14.68	24.00	PASS
802.11ac VHT40	38/5190	10.98	15.49	24.00	PASS
	46/5230	10.43	14.94	24.00	PASS
802.11ac VHT80	42/5210	10.37	15.00	24.00	PASS
802.11ax HE20	36/5180	11.91	15.22	24.00	PASS
	40/5200	12.10	15.41	24.00	PASS
	48/5240	11.55	14.86	24.00	PASS
802.11ax HE40	38/5190	12.62	16.01	24.00	PASS
	46/5230	12.56	15.95	24.00	PASS
802.11ax HE80	42/5210	11.91	15.46	24.00	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	13.81	14.85	24.00	PASS
	60/5300	14.85	15.89	24.00	PASS
	64/5320	14.86	15.90	24.00	PASS
802.11n HT20	52/5260	13.52	14.62	24.00	PASS
	60/5300	14.46	15.56	24.00	PASS
	64/5320	14.87	15.97	24.00	PASS
802.11n HT40	54/5270	10.24	14.59	24.00	PASS
	62/5310	11.53	15.88	24.00	PASS
802.11ac VHT20	52/5260	13.63	14.70	24.00	PASS
	60/5300	14.63	15.70	24.00	PASS
	64/5320	14.84	15.91	24.00	PASS
802.11ac VHT40	54/5270	10.29	14.80	24.00	PASS
	62/5310	11.66	16.17	24.00	PASS
802.11ac VHT80	58/5290	10.45	15.08	24.00	PASS
802.11ax HE20	52/5260	11.40	14.71	24.00	PASS
	60/5300	12.51	15.82	24.00	PASS
	64/5320	12.61	15.92	24.00	PASS
802.11ax HE40	54/5270	12.36	15.75	24.00	PASS
	62/5310	13.37	16.76	24.00	PASS
802.11ax HE80	58/5290	11.75	15.30	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	14.24	15.28	24.00	PASS
	120/5600	13.79	14.83	24.00	PASS
	140/5700	14.67	15.71	24.00	PASS
	144/5720	12.91	13.95	24.00	PASS
802.11n HT20	100/5500	14.09	15.19	24.00	PASS
	120/5600	13.89	14.99	24.00	PASS
	140/5700	14.61	15.71	24.00	PASS
	144/5720	12.77	13.87	24.00	PASS
802.11n HT40	102/5510	11.09	15.44	24.00	PASS
	118/5590	10.54	14.89	24.00	PASS
	134/5670	10.96	15.31	24.00	PASS
	142/5710	10.36	14.71	24.00	PASS
802.11ac VHT20	100/5500	14.20	15.27	24.00	PASS
	120/5600	13.80	14.87	24.00	PASS
	140/5700	14.56	15.63	24.00	PASS
	144/5720	12.78	13.85	24.00	PASS
802.11ac VHT40	102/5510	11.13	15.64	24.00	PASS
	118/5590	10.79	15.30	24.00	PASS
	134/5670	11.02	15.53	24.00	PASS
	142/5710	10.33	14.84	24.00	PASS
802.11ac VHT80	122/5610	9.99	14.62	24.00	PASS
	138/5690	9.73	14.36	24.00	PASS
802.11ax HE20	100/5500	12.22	15.53	24.00	PASS
	120/5600	11.79	15.10	24.00	PASS
	140/5700	12.35	15.66	24.00	PASS
	144/5720	10.58	13.89	24.00	PASS
802.11ax HE40	102/5510	12.74	16.13	24.00	PASS
	118/5590	12.78	16.17	24.00	PASS
	134/5670	12.79	16.18	24.00	PASS
	142/5710	12.65	16.04	24.00	PASS
802.11ax HE80	122/5610	11.41	14.96	24.00	PASS
	138/5690	11.01	14.56	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	6.02	7.06	30.00	PASS
	149/5745	13.10	14.14	30.00	PASS
	157/5785	13.21	14.25	30.00	PASS
	165/5825	13.42	14.46	30.00	PASS
802.11n HT20	144/5720	6.27	7.37	30.00	PASS
	149/5745	12.92	14.02	30.00	PASS
	157/5785	12.89	13.99	30.00	PASS
	165/5825	13.67	14.77	30.00	PASS
802.11n HT40	142/5710	-2.23	2.12	30.00	PASS
	151/5755	9.81	14.16	30.00	PASS
	159/5795	9.79	14.14	30.00	PASS
802.11ac VHT20	144/5720	6.67	7.74	30.00	PASS
	149/5745	13.03	14.10	30.00	PASS
	157/5785	13.09	14.16	30.00	PASS
	165/5825	13.53	14.60	30.00	PASS
802.11ac VHT40	142/5710	-1.57	2.94	30.00	PASS
	151/5755	10.02	14.53	30.00	PASS
	159/5795	10.00	14.51	30.00	PASS
802.11ac VHT80	138/5690	-4.32	0.31	30.00	PASS
	155/5775	9.29	13.92	30.00	PASS
802.11ax HE20	144/5720	5.14	8.45	30.00	PASS
	149/5745	10.87	14.18	30.00	PASS
	157/5785	11.06	14.37	30.00	PASS
	165/5825	11.44	14.75	30.00	PASS
802.11ax HE40	142/5710	1.01	4.40	30.00	PASS
	151/5755	11.90	15.29	30.00	PASS
	159/5795	11.73	15.12	30.00	PASS
802.11ax HE80	138/5690	-3.83	-0.28	30.00	PASS
	155/5775	10.58	14.13	30.00	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)			
802.11a	36/5180	14.05	15.09	14.22	15.26	18.19	24.00	PASS
	44/5220	14.48	15.52	14.46	15.50	18.52	24.00	PASS
	48/5240	14.53	15.57	14.13	15.17	18.38	24.00	PASS
802.11n HT20	36/5180	13.94	15.04	14.03	15.13	18.10	24.00	PASS
	44/5220	14.22	15.32	14.08	15.18	18.26	24.00	PASS
	48/5240	14.36	15.46	13.76	14.86	18.18	24.00	PASS
802.11n HT40	38/5190	10.36	14.71	11.20	15.55	18.16	24.00	PASS
	46/5230	10.71	15.06	10.70	15.05	18.07	24.00	PASS
802.11ac VHT20	36/5180	13.97	15.04	14.14	15.21	18.14	24.00	PASS
	44/5220	14.42	15.49	14.35	15.42	18.47	24.00	PASS
	48/5240	14.39	15.46	13.83	14.90	18.20	24.00	PASS
802.11ac VHT40	38/5190	10.36	14.87	11.24	15.75	18.34	24.00	PASS
	46/5230	10.89	15.40	10.64	15.15	18.29	24.00	PASS
802.11ac VHT80	42/5210	10.37	15.00	10.53	15.16	18.09	24.00	PASS
802.11ax HE20	36/5180	11.83	15.14	12.22	15.53	18.35	24.00	PASS
	44/5220	12.30	15.61	12.27	15.58	18.61	24.00	PASS
	48/5240	12.36	15.67	11.65	14.96	18.34	24.00	PASS
802.11ax HE40	38/5190	12.55	15.94	12.87	16.26	19.11	24.00	PASS
	46/5230	12.92	16.31	12.83	16.22	19.28	24.00	PASS
802.11ax HE80	42/5210	11.63	15.18	11.81	15.36	18.28	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. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain,

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT\ MAX}$ + Array Gain =-1.3+0=-1.3 dBi<6dBi. So the power limit is 24dBm.

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)			
802.11a	52/5260	13.91	14.95	13.90	14.94	17.96	24.00	PASS
	60/5300	14.68	15.72	14.86	15.90	18.82	24.00	PASS
	64/5320	14.82	15.86	15.02	16.06	18.97	24.00	PASS
802.11n HT20	52/5260	13.88	14.98	13.60	14.70	17.85	24.00	PASS
	60/5300	14.51	15.61	14.71	15.81	18.72	24.00	PASS
	64/5320	14.59	15.69	14.79	15.89	18.80	24.00	PASS
802.11n HT40	54/5270	10.31	14.66	10.39	14.74	17.71	24.00	PASS
	62/5310	10.96	15.31	11.53	15.88	18.61	24.00	PASS
802.11ac VHT20	52/5260	14.07	15.14	13.90	14.97	18.07	24.00	PASS
	60/5300	14.50	15.57	14.74	15.81	18.70	24.00	PASS
	64/5320	14.74	15.81	14.93	16.00	18.92	24.00	PASS
802.11ac VHT40	54/5270	10.38	14.89	10.52	15.03	17.97	24.00	PASS
	62/5310	11.06	15.57	11.67	16.18	18.90	24.00	PASS
802.11ac VHT80	58/5290	10.15	14.78	10.67	15.30	18.06	24.00	PASS
802.11ax HE20	52/5260	11.90	15.21	11.55	14.86	18.05	24.00	PASS
	60/5300	12.38	15.69	12.50	15.81	18.76	24.00	PASS
	64/5320	12.48	15.79	12.53	15.84	18.83	24.00	PASS
802.11ax HE40	54/5270	12.40	15.79	12.60	15.99	18.90	24.00	PASS
	62/5310	13.32	16.71	13.26	16.65	19.69	24.00	PASS
802.11ax HE80	58/5290	11.54	15.09	11.93	15.48	18.30	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. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain,

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT\ MAX}$ + Array Gain =-1.3+0=-1.3 dBi<6dBi.

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)			
802.11a	100/5500	15.07	16.11	14.49	15.53	18.84	24.00	PASS
	120/5600	14.69	15.73	13.24	14.28	18.08	24.00	PASS
	140/5700	14.98	16.02	14.67	15.71	18.88	24.00	PASS
	144/5720	14.26	15.30	13.14	14.18	17.79	24.00	PASS
802.11n HT20	100/5500	14.99	16.09	14.24	15.34	18.74	24.00	PASS
	120/5600	14.35	15.45	13.10	14.20	17.88	24.00	PASS
	140/5700	14.57	15.67	14.49	15.59	18.64	24.00	PASS
	144/5720	14.18	15.28	12.84	13.94	17.67	24.00	PASS
802.11n HT40	102/5510	10.81	15.16	11.29	15.64	18.42	24.00	PASS
	118/5590	11.49	15.84	10.63	14.98	18.44	24.00	PASS
	134/5670	10.53	14.88	10.94	15.29	18.10	24.00	PASS
	142/5710	11.27	15.62	10.33	14.68	18.19	24.00	PASS
802.11ac VHT20	100/5500	15.14	16.21	14.51	15.58	18.92	24.00	PASS
	120/5600	14.32	15.39	13.97	15.04	18.23	24.00	PASS
	140/5700	14.58	15.65	14.45	15.52	18.60	24.00	PASS
	144/5720	14.18	15.25	12.86	13.93	17.65	24.00	PASS
802.11ac VHT40	102/5510	10.84	15.35	11.29	15.80	18.59	24.00	PASS
	118/5590	10.27	14.78	9.58	14.09	17.46	24.00	PASS
	134/5670	10.50	15.01	11.09	15.60	18.33	24.00	PASS
	142/5710	11.36	15.87	10.32	14.83	18.39	24.00	PASS
802.11ac VHT80	122/5610	9.65	14.28	8.58	13.21	16.79	24.00	PASS
	138/5690	10.63	15.26	9.60	14.23	17.79	24.00	PASS
802.11ax HE20	100/5500	13.03	16.34	12.27	15.58	18.99	24.00	PASS
	120/5600	12.23	15.54	11.82	15.13	18.35	24.00	PASS
	140/5700	12.54	15.85	12.27	15.58	18.73	24.00	PASS
	144/5720	12.00	15.31	10.51	13.82	17.64	24.00	PASS
802.11ax HE40	102/5510	13.18	16.57	13.47	16.86	19.73	24.00	PASS
	118/5590	11.93	15.32	12.99	16.38	18.89	24.00	PASS
	134/5670	12.35	15.74	13.28	16.67	19.24	24.00	PASS
	142/5710	13.28	16.67	12.78	16.17	19.44	24.00	PASS
802.11ax HE80	122/5610	11.37	14.92	11.21	14.76	17.85	24.00	PASS
	138/5690	11.91	15.46	10.80	14.35	17.95	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. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of

the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain,

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT\ MAX}$ + Array Gain =-0.9+0=-0.9 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)			
802.11a	144/5720	6.62	7.66	6.33	7.37	10.53	30	PASS
	149/5745	15.26	16.30	13.43	14.47	18.49	30	PASS
	157/5785	15.04	16.08	13.28	14.32	18.30	30	PASS
	165/5825	14.27	15.31	13.70	14.74	18.04	30	PASS
802.11n HT20	144/5720	6.94	8.04	6.94	8.04	11.05	30	PASS
	149/5745	15.04	16.14	13.18	14.28	18.32	30	PASS
	157/5785	14.73	15.83	13.16	14.26	18.13	30	PASS
	165/5825	14.48	15.58	13.68	14.78	18.21	30	PASS
802.11n HT40	142/5710	-3.29	1.06	-2.29	2.06	4.60	30	PASS
	151/5755	11.05	15.40	9.95	14.30	17.90	30	PASS
	159/5795	10.62	14.97	9.83	14.18	17.60	30	PASS
802.11ac VHT20	144/5720	7.14	8.21	6.69	7.76	11.00	30	PASS
	149/5745	15.07	16.14	13.28	14.35	18.35	30	PASS
	157/5785	14.84	15.91	12.99	14.06	18.09	30	PASS
	165/5825	14.35	15.42	13.52	14.59	18.04	30	PASS
802.11ac VHT40	142/5710	-2.95	1.56	-1.20	3.31	5.53	30	PASS
	151/5755	11.06	15.57	10.03	14.54	18.10	30	PASS
	159/5795	10.81	15.32	10.01	14.52	17.95	30	PASS
802.11ac VHT80	138/5690	-4.41	0.22	-4.78	-0.15	3.05	30	PASS
	155/5775	10.53	15.16	9.23	13.86	17.57	30	PASS
802.11ax HE20	144/5720	5.22	8.53	4.66	7.97	11.27	30	PASS
	149/5745	13.11	16.42	11.21	14.52	18.58	30	PASS
	157/5785	12.77	16.08	11.18	14.49	18.37	30	PASS
	165/5825	12.52	15.83	11.62	14.93	18.41	30	PASS
802.11ax	142/5710	1.59	4.98	1.12	4.51	7.76	30	PASS

HE40	151/5755	13.25	16.64	12.27	15.66	19.19	30	PASS
	159/5795	13.00	16.39	11.68	15.07	18.79	30	PASS
802.11ax HE80	138/5690	-3.90	-0.35	-4.17	-0.62	2.53	30	PASS
	155/5775	11.93	15.48	10.51	14.06	17.84	30	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. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain,

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT\ MAX}$ + Array Gain =-0.7+0=-0.7 dBi<6dBi. So the power limit is 30dBm.

TB Mode

SISO Antenna Power Index			
Channel	802.11ax HE20 26-Tone	802.11ax HE20 52-Tone	802.11ax HE20 106-Tone
CH36	11	13	15
CH40	11	13	15
CH48	11	13	15
CH52	11	13	15
CH60	11	13	15
CH64	11	13	15
CH100	11	13	15
CH120	11	13	15
CH140	11	13	15
CH144	11	13	15
CH149	15	15	15
CH157	15	15	15
CH165	15	15	15

MIMO Antenna Power Index			
Channel	802.11ax HE20 26-Tone	802.11ax HE20 52-Tone	802.11ax HE20 106-Tone
CH36	8	11	12
CH40	8	11	12
CH48	8	10	12
CH52	8	10	12
CH60	8	10	12
CH64	8	10	12
CH100	8	10	12
CH120	8	10	12
CH140	8	10	12
CH144	8	10	12
CH149	15	15	15
CH157	15	15	15
CH165	15	15	15

Mode	Duty cycle	Duty cycle correction Factor (dB)
802.11ax HE20 26-Tone:RU Index 0	0.64	1.95
802.11ax HE20 26-Tone:RU Index 4	0.64	1.95
802.11ax HE20 26-Tone:RU Index 8	0.64	1.95
802.11ax HE20 52-Tone:RU Index 37	0.59	2.3
802.11ax HE20 52-Tone:RU Index 38	0.58	2.35
802.11ax HE20 52-Tone:RU Index 40	0.61	2.16
802.11ax HE20 106-Tone:RU Index 53	0.55	2.61
802.11ax HE20 106-Tone:RU Index 54	0.57	2.45
Note: when Duty cycle⩾0.98, Duty cycle correction Factor not required.		

Test Mode		RU Index	Channel/ Frequency (MHz)	B=26 dB bandwidth (MHz)	Limit 11 dBm + 10 log B (dBm)	Final Limit (dBm)
U-NII-2A	802.11ax HE20 26-Tone	0	52/5260	19.19	23.83<24	23.83
		4	60/5300	18.10	23.58<24	23.58
		8	64/5320	21.11	24.24>24	24.00
	802.11ax HE20 52-Tone	37	52/5260	21.09	24.24>24	24.00
		38	60/5300	18.53	23.68<24	23.68
		40	64/5320	19.94	24.00=24	24.00
	802.11ax HE20 106-Tone	53	52/5260	21.16	24.26>24	24.00
		53	60/5300	21.35	24.29>24	24.00
		54	64/5320	21.93	24.41>24	24.00
U-NII-2C	802.11ax HE20 26-Tone	0	100/5500	20.59	24.14 >24	24.00
		4	120/5600	18.12	23.58<24	23.58
		8	140/5700	19.96	24.00=24	24.00
	802.11ax HE20 52-Tone	37	100/5500	21.37	24.30>24	24.00
		38	120/5600	18.69	23.72<24	23.72
		40	140/5700	20.27	24.07>24	24.00
	802.11ax HE20 106-Tone	53	100/5500	21.66	24.36>24	24.00
		53	120/5600	21.12	24.25>24	24.00
		54	140/5700	20.42	24.10>24	24.00
		54	144/5720	20.38	24.09>24	24.00
Note: 250mW=24dBm						

SISO Antenna 1

U-NII-1

Test Mode	RU Index	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11ax HE20 26-Tone	0	36/5180	8.68	10.63	24	PASS
	4	40/5200	9.55	11.50	24	PASS
	8	48/5240	9.90	11.85	24	PASS
802.11ax HE20 52-Tone	37	36/5180	11.20	13.50	24	PASS
	38	40/5200	11.39	13.74	24	PASS
	40	48/5240	11.52	13.68	24	PASS
802.11ax HE20 106-Tone	53	36/5180	12.53	15.14	24	PASS
	53	40/5200	12.78	15.39	24	PASS
	54	48/5240	13.32	15.77	24	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

U-NII-2A

Test Mode	RU Index	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11ax HE20 26-Tone	0	52/5260	9.26	11.21	23.83	PASS
	4	60/5300	9.84	11.79	23.58	PASS
	8	64/5320	10.03	11.98	24.00	PASS
802.11ax HE20 52-Tone	37	52/5260	10.63	12.93	24.00	PASS
	38	60/5300	11.96	14.31	23.68	PASS
	40	64/5320	11.84	14.00	24.00	PASS
802.11ax HE20 106-Tone	53	52/5260	12.50	15.11	24.00	PASS
	53	60/5300	13.30	15.91	24.00	PASS
	54	64/5320	13.36	15.81	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

U-NII-2C

Test Mode	RU Index	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11ax HE20 26-Tone	0	100/5500	8.88	10.83	24.00	PASS
	4	120/5600	9.38	11.33	23.58	PASS
	8	140/5700	9.92	11.87	24.00	PASS
802.11ax HE20 52-Tone	37	100/5500	11.09	13.39	24.00	PASS
	38	120/5600	11.17	13.52	23.72	PASS
	40	140/5700	11.79	13.95	24.00	PASS
802.11ax HE20 106-Tone	53	100/5500	12.81	15.42	24.00	PASS
	53	120/5600	12.94	15.55	24.00	PASS
	54	140/5700	13.57	16.02	24.00	PASS
	54	144/5720	10.40	12.85	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

U-NII-3

Test Mode	RU Index	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11ax HE20 26-Tone	8	144/5720	9.78	11.73	30.00	PASS
	0	149/5745	14.04	15.99	30.00	PASS
	4	157/5785	13.79	15.74	30.00	PASS
	8	165/5825	14.06	16.01	30.00	PASS
802.11ax HE20 52-Tone	40	144/5720	11.47	13.63	30.00	PASS
	37	149/5745	13.18	15.48	30.00	PASS
	38	157/5785	13.29	15.64	30.00	PASS
	40	165/5825	13.56	15.72	30.00	PASS
802.11ax HE20 106-Tone	54	144/5720	10.70	13.15	30.00	PASS
	53	149/5745	13.55	16.16	30.00	PASS
	53	157/5785	13.18	15.79	30.00	PASS
	54	165/5825	13.65	16.10	30.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

SISO Antenna 2

U-NII-1

Test Mode	RU Index	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11ax HE20 26-Tone	0	36/5180	9.03	10.98	24.00	PASS
	4	40/5200	9.22	11.17	24.00	PASS
	8	48/5240	9.93	11.88	24.00	PASS
802.11ax HE20 52-Tone	37	36/5180	10.79	13.09	24.00	PASS
	38	40/5200	11.42	13.77	24.00	PASS
	40	48/5240	11.37	13.53	24.00	PASS
802.11ax HE20 106-Tone	53	36/5180	12.79	15.40	24.00	PASS
	53	40/5200	12.92	15.53	24.00	PASS
	54	48/5240	12.75	15.20	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

U-NII-2A

Test Mode	RU Index	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11ax HE20 26-Tone	0	52/5260	9.11	11.06	23.83	PASS
	4	60/5300	9.94	11.89	23.58	PASS
	8	64/5320	9.97	11.92	24.00	PASS
802.11ax HE20 52-Tone	37	52/5260	11.15	13.45	24.00	PASS
	38	60/5300	11.93	14.28	23.68	PASS
	40	64/5320	11.26	13.42	24.00	PASS
802.11ax HE20 106-Tone	53	52/5260	12.25	14.86	24.00	PASS
	53	60/5300	13.39	16.00	24.00	PASS
	54	64/5320	13.63	16.08	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

U-NII-2C

Test Mode	RU Index	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11ax HE20 26-Tone	0	100/5500	9.43	11.38	24.00	PASS
	4	120/5600	9.29	11.24	23.58	PASS
	8	140/5700	9.64	11.59	24.00	PASS
802.11ax HE20 52-Tone	37	100/5500	11.42	13.72	24.00	PASS
	38	120/5600	12.05	14.40	23.72	PASS
	40	140/5700	12.20	14.36	24.00	PASS
802.11ax HE20 106-Tone	53	100/5500	12.95	15.56	24.00	PASS
	53	120/5600	12.39	15.00	24.00	PASS
	54	140/5700	11.73	14.18	24.00	PASS
	54	144/5720	8.80	11.25	24.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

U-NII-3

Test Mode	RU Index	Channel/ Frequency (MHz)	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11ax HE20 26-Tone	8	144/5720	9.68	11.63	30.00	PASS
	0	149/5745	12.18	14.13	30.00	PASS
	4	157/5785	12.60	14.55	30.00	PASS
	8	165/5825	13.14	15.09	30.00	PASS
802.11ax HE20 52-Tone	40	144/5720	11.22	13.38	30.00	PASS
	37	149/5745	12.08	14.38	30.00	PASS
	38	157/5785	12.25	14.60	30.00	PASS
	40	165/5825	12.12	14.28	30.00	PASS
802.11ax HE20 106-Tone	54	144/5720	10.05	12.50	30.00	PASS
	53	149/5745	11.82	14.43	30.00	PASS
	53	157/5785	11.70	14.31	30.00	PASS
	54	165/5825	12.24	14.69	30.00	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

MIMO

U-NII-1

Test Mode	Channel/ Frequency (MHz)	RU Index	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)			
802.11ax HE20 26-Tone	36/5180	0	6.51	8.46	6.98	8.93	11.71	24.00	PASS
	44/5220	4	6.46	8.41	7.05	9.00	11.73	24.00	PASS
	48/5240	8	7.43	9.38	6.79	8.74	12.08	24.00	PASS
802.11ax HE20 52-Tone	36/5180	37	9.20	11.50	10.03	12.33	14.95	24.00	PASS
	44/5220	38	9.21	11.56	9.82	12.17	14.89	24.00	PASS
	48/5240	40	9.81	11.97	8.91	11.07	14.55	24.00	PASS
802.11ax HE20 106-Tone	36/5180	53	9.42	12.03	10.04	12.65	15.36	24.00	PASS
	44/5220	53	10.01	12.62	10.00	12.61	15.63	24.00	PASS
	48/5240	54	11.25	13.70	10.50	12.95	16.35	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. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain,

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT\ MAX}$ + Array Gain =-1.3+0=-1.3 dBi<6dBi. So the power limit is 24dBm.

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	RU Index	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)			
802.11ax HE20 26-Tone	52/5260	0	6.87	8.82	6.69	8.64	11.74	23.83	PASS
	60/5300	4	7.36	9.31	7.09	9.04	12.19	23.58	PASS
	64/5320	8	6.36	8.31	6.77	8.72	11.53	24.00	PASS
802.11ax HE20 52-Tone	52/5260	37	8.92	11.22	8.30	10.60	13.93	24.00	PASS
	60/5300	38	8.26	10.61	9.23	11.58	14.13	23.68	PASS
	64/5320	40	8.70	10.86	8.42	10.58	13.73	24.00	PASS
802.11ax HE20 106-Tone	52/5260	53	10.19	12.80	10.00	12.61	15.72	24.00	PASS
	60/5300	53	10.40	13.01	10.64	13.25	16.14	24.00	PASS
	64/5320	54	10.08	12.53	10.40	12.85	15.70	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. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain,

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT\ MAX}$ + Array Gain =-1.3+0=-1.3 dBi<6dBi.

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	RU Index	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)			
802.11ax HE20 26-Tone	100/5500	0	5.40	7.35	6.59	8.54	11.00	24.00	PASS
	120/5600	4	7.40	9.35	6.33	8.28	11.86	23.58	PASS
	140/5700	8	7.33	9.28	6.85	8.80	12.06	24.00	PASS
802.11ax HE20 52-Tone	100/5500	37	7.75	10.05	7.61	9.91	12.99	24.00	PASS
	120/5600	38	8.33	10.68	9.08	11.43	14.08	23.72	PASS
	140/5700	40	8.84	11.00	8.67	10.83	13.93	24.00	PASS
802.11ax HE20 106-Tone	100/5500	53	9.50	12.11	9.74	12.35	15.24	24.00	PASS
	120/5600	53	10.70	13.31	10.68	13.29	16.31	24.00	PASS
	140/5700	54	10.39	12.84	10.35	12.80	15.83	24.00	PASS
	144/5720	54	7.04	9.49	6.80	9.25	12.38	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. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain,

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT\ MAX}$ + Array Gain =-0.9+0=-0.9 dBi<6dBi.

U-NII-3

Test Mode	Channel/ Frequency (MHz)	RU Index	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)			
802.11ax HE20 26-Tone	144/5720	8	6.66	8.61	6.15	8.10	11.37	30.00	PASS
	149/5745	0	15.23	17.18	12.47	14.42	19.03	30.00	PASS
	157/5785	4	14.39	16.34	12.76	14.71	18.61	30.00	PASS
	165/5825	8	14.32	16.27	13.09	15.04	18.71	30.00	PASS
802.11ax HE20 52-Tone	144/5720	40	8.07	10.23	7.43	9.59	12.93	30.00	PASS
	149/5745	37	15.39	17.69	12.27	14.57	19.41	30.00	PASS
	157/5785	38	13.52	15.87	11.77	14.12	18.09	30.00	PASS
	165/5825	40	12.90	15.06	12.41	14.57	17.83	30.00	PASS
802.11ax HE20 106-Tone	144/5720	54	7.50	9.95	6.77	9.22	12.61	30.00	PASS
	149/5745	53	14.21	16.82	11.96	14.57	18.85	30.00	PASS
	157/5785	53	13.39	16.00	11.70	14.31	18.25	30.00	PASS
	165/5825	54	13.29	15.74	12.37	14.82	18.31	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. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain,

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = $G_{ANT\ MAX}$ + Array Gain =-0.7+0=-0.7 dBi<6dBi. So the power limit is 30dBm.

5.3. Frequency Stability

Ambient condition

Temperature	Relative humidity
20°C ~ 25°C	45% ~ 50%

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 that 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= 936Hz

Test Results

Voltage (V)	Temperature (°C)	U-NII-1 Test Results			
		5200MHz			
		1min	2min	5min	10min
5.00	-20	5199.992441	5199.984223	5199.982806	5199.973605
5.00	-10	5199.997588	5199.979507	5199.981108	5199.970242
5.00	0	5199.996950	5199.972890	5199.972123	5199.965161
5.00	10	5199.994439	5199.965802	5199.970435	5199.957650
5.00	20	5199.989439	5199.956876	5199.966802	5199.955925
5.00	30	5199.987486	5199.956560	5199.957833	5199.948915
5.00	40	5199.979956	5199.953589	5199.950234	5199.939869
5.00	50	5199.972902	5199.951181	5199.947048	5199.933836
4.50	20	5199.971913	5199.943785	5199.940272	5199.931063
5.50	20	5199.962372	5199.941522	5199.934580	5199.923054
Frequency Dev(MHZ)		-0.037628	-0.058478	-0.065420	-0.076946
PPM		-7.236154	-11.245769	-12.580769	-14.797308

Voltage (V)	Temperature (°C)	U-NII-2A Test Results			
		5300MHz			
		1min	2min	5min	10min
5.00	-20	5299.994531	5299.984845	5299.979407	5299.978197
5.00	-10	5299.992557	5299.982971	5299.977058	5299.976220
5.00	0	5299.988339	5299.975279	5299.969503	5299.971852
5.00	10	5299.986353	5299.968885	5299.969338	5299.966594
5.00	20	5299.985401	5299.963223	5299.959991	5299.960964
5.00	30	5299.982722	5299.953278	5299.950596	5299.954747
5.00	40	5299.978208	5299.947168	5299.948292	5299.945878
5.00	50	5299.974038	5299.945067	5299.939330	5299.940671
4.50	20	5299.966497	5299.940836	5299.929506	5299.933501
5.50	20	5299.960348	5299.940185	5299.925068	5299.932623
Frequency Dev(MHZ)		-0.039652	-0.059815	-0.074932	-0.067377
Frequency Dev(%)		-7.481509	-11.285849	-14.138113	-12.712642

Voltage (V)	Temperature (°C)	U-NII-2C Test Results			
		5580MHz			
		1min	2min	5min	10min
5.00	-20	5580.006040	5580.005194	5579.996483	5579.990599
5.00	-10	5579.997192	5580.002913	5579.988706	5579.990337
5.00	0	5579.995834	5579.995630	5579.981429	5579.985435
5.00	10	5579.994695	5579.990175	5579.972968	5579.983260
5.00	20	5579.986104	5579.981572	5579.969949	5579.973492
5.00	30	5579.983426	5579.972224	5579.968600	5579.967741
5.00	40	5579.979980	5579.968972	5579.967246	5579.959762
5.00	50	5579.971437	5579.959745	5579.962225	5579.959127
4.50	20	5579.967930	5579.958379	5579.957855	5579.951886
5.50	20	5579.967850	5579.954108	5579.951662	5579.948870
Frequency Dev(MHZ)		-0.032150	-0.045892	-0.048338	-0.051130
Frequency Dev(%)		-5.761649	-8.224373	-8.662724	-9.163082

Voltage (V)	Temperature (°C)	U-NII-3 Test Results			
		5785MHz			
		1min	2min	5min	10min
5.00	-20	5785.004546	5785.000377	5784.997992	5784.990648
5.00	-10	5785.002656	5784.990718	5784.990499	5784.985846
5.00	0	5784.997510	5784.986397	5784.982449	5784.977507
5.00	10	5784.994759	5784.979172	5784.974347	5784.968402
5.00	20	5784.987502	5784.970096	5784.967911	5784.960112
5.00	30	5784.978137	5784.965060	5784.963183	5784.959711
5.00	40	5784.971124	5784.962012	5784.958012	5784.958132
5.00	50	5784.969245	5784.959667	5784.956849	5784.957932
4.50	20	5784.964486	5784.957792	5784.946987	5784.956664
5.50	20	5784.963037	5784.955403	5784.939773	5784.954595
Frequency Dev(MHZ)		-0.036963	-0.044597	-0.060227	-0.045405
Frequency Dev(%)		-6.389455	-7.709075	-10.410890	-7.848747

5.4. Power Spectral Density

Ambient condition

Temperature	Relative humidity
20°C ~ 25°C	45% ~ 50%

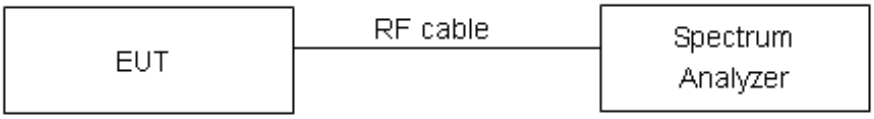
Method of Measurement

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)/ Part 15.407(a)(2) / 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 transmittingantennas 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/MHz	Limits
5150-5250	17/11dBm/MHz
5.25-5.35 GHz and 5.47-5.725 GHz	11dBm/MHz
5725-5850	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= 0.75dB.

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	4.15	5.19	11	PASS
	40/5200	4.48	5.52	11	PASS
	48/5240	5.15	6.19	11	PASS
802.11n HT20	36/5180	3.86	4.96	11	PASS
	40/5200	3.94	5.04	11	PASS
	48/5240	4.48	5.58	11	PASS
802.11n HT40	38/5190	-1.35	3.00	11	PASS
	46/5230	-0.96	3.39	11	PASS
802.11ac VHT20	36/5180	3.82	4.89	11	PASS
	40/5200	3.99	5.06	11	PASS
	48/5240	4.11	5.18	11	PASS
802.11ac VHT40	38/5190	-1.25	3.26	11	PASS
	46/5230	-0.75	3.76	11	PASS
802.11ac VHT80	42/5210	-4.33	0.30	11	PASS
802.11ax HE20	36/5180	1.85	5.16	11	PASS
	40/5200	1.95	5.26	11	PASS
	48/5240	1.94	5.25	11	PASS
802.11ax HE40	38/5190	0.25	3.64	11	PASS
	46/5230	1.02	4.41	11	PASS
802.11ax HE80	42/5210	-3.75	-0.20	11	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	4.26	5.30	11	PASS
	60/5300	4.56	5.60	11	PASS
	64/5320	5.05	6.09	11	PASS
802.11n HT20	52/5260	3.93	5.03	11	PASS
	60/5300	4.55	5.65	11	PASS
	64/5320	4.60	5.70	11	PASS
802.11n HT40	54/5270	-1.71	2.64	11	PASS
	62/5310	-0.96	3.39	11	PASS
802.11ac VHT20	52/5260	4.11	5.18	11	PASS
	60/5300	4.58	5.65	11	PASS
	64/5320	4.44	5.51	11	PASS
802.11ac VHT40	54/5270	-1.07	3.44	11	PASS
	62/5310	-0.35	4.16	11	PASS
802.11ac VHT80	58/5290	-4.93	-0.30	11	PASS
802.11ax HE20	52/5260	2.27	5.58	11	PASS
	60/5300	2.77	6.08	11	PASS
	64/5320	2.79	6.10	11	PASS
802.11ax HE40	54/5270	0.63	4.02	11	PASS
	62/5310	0.56	3.95	11	PASS
802.11ax HE80	58/5290	-3.79	-0.24	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	4.74	5.78	11	PASS
	120/5600	5.88	6.92	11	PASS
	140/5700	5.08	6.12	11	PASS
	144/5720	5.41	6.45	11	PASS
802.11n HT20	100/5500	4.11	5.21	11	PASS
	120/5600	5.32	6.42	11	PASS
	140/5700	4.90	6.00	11	PASS
	144/5720	4.86	5.96	11	PASS
802.11n HT40	102/5510	0.19	4.54	11	PASS
	118/5590	0.08	4.43	11	PASS
	134/5670	-1.71	2.64	11	PASS
	142/5710	0.03	4.38	11	PASS
802.11ac VHT20	100/5500	3.99	5.06	11	PASS
	120/5600	4.86	5.93	11	PASS
	140/5700	4.73	5.80	11	PASS
	144/5720	4.84	5.91	11	PASS
802.11ac VHT40	102/5510	-1.12	3.39	11	PASS
	118/5590	-0.87	3.64	11	PASS
	134/5670	-0.79	3.72	11	PASS
	142/5710	-0.09	4.42	11	PASS
802.11ac VHT80	122/5610	-4.40	0.23	11	PASS
	138/5690	-3.74	0.89	11	PASS
802.11ax HE20	100/5500	1.95	5.26	11	PASS
	120/5600	3.23	6.54	11	PASS
	140/5700	2.86	6.17	11	PASS
	144/5720	2.81	6.12	11	PASS
802.11ax HE40	102/5510	0.97	4.36	11	PASS
	118/5590	0.69	4.08	11	PASS
	134/5670	0.97	4.36	11	PASS
	142/5710	0.94	4.33	11	PASS
802.11ax HE80	122/5610	-3.75	-0.20	11	PASS
	138/5690	-2.93	0.62	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor					

U-NII-3

Mode	Channel /Frequency (MHz)	Read Value (dBm/470kHz)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500kHz)	Conclusion
802.11a	144/5720	-0.28	1.03	30	PASS
	149/5745	-0.03	1.28	30	PASS
	157/5785	-0.11	1.20	30	PASS
	165/5825	-0.23	1.08	30	PASS
802.11n HT20	144/5720	-1.25	0.12	30	PASS
	149/5745	-0.69	0.68	30	PASS
	157/5785	-0.52	0.85	30	PASS
	165/5825	0.09	1.46	30	PASS
802.11n HT40	142/5710	-7.94	-3.32	30	PASS
	151/5755	-4.25	0.37	30	PASS
	159/5795	-4.58	0.04	30	PASS
802.11ac VHT20	144/5720	-1.58	-0.24	30	PASS
	149/5745	0.15	1.49	30	PASS
	157/5785	-0.61	0.73	30	PASS
	165/5825	-0.48	0.86	30	PASS
802.11ac VHT40	142/5710	-7.59	-2.81	30	PASS
	151/5755	-3.37	1.41	30	PASS
	159/5795	-4.01	0.77	30	PASS
802.11ac VHT80	138/5690	-11.02	-6.12	30	PASS
	155/5775	-7.78	-2.88	30	PASS
802.11ax HE20	144/5720	-1.02	2.56	30	PASS
	149/5745	-0.65	2.93	30	PASS
	157/5785	-0.68	2.90	30	PASS
	165/5825	-0.22	3.36	30	PASS
802.11ax HE40	142/5710	-5.11	-1.45	30	PASS
	151/5755	-1.95	1.71	30	PASS
	159/5795	-2.77	0.89	30	PASS
802.11ax HE80	138/5690	-10.42	-6.60	30	PASS
	155/5775	-7.20	-3.38	30	PASS
Note: PSD=Read Value+Duty cycle correction factor +10*log(500/470)					

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	4.62	5.66	11	PASS
	40/5200	4.96	6.00	11	PASS
	48/5240	4.04	5.08	11	PASS
802.11n HT20	36/5180	4.00	5.10	11	PASS
	40/5200	4.44	5.54	11	PASS
	48/5240	4.24	5.34	11	PASS
802.11n HT40	38/5190	-0.17	4.18	11	PASS
	46/5230	-0.37	3.98	11	PASS
802.11ac VHT20	36/5180	4.19	5.26	11	PASS
	40/5200	4.00	5.07	11	PASS
	48/5240	3.80	4.87	11	PASS
802.11ac VHT40	38/5190	0.07	4.58	11	PASS
	46/5230	-1.13	3.38	11	PASS
802.11ac VHT80	42/5210	-4.15	0.48	11	PASS
802.11ax HE20	36/5180	2.31	5.62	11	PASS
	40/5200	2.22	5.53	11	PASS
	48/5240	1.90	5.21	11	PASS
802.11ax HE40	38/5190	1.01	4.40	11	PASS
	46/5230	0.07	3.46	11	PASS
802.11ax HE80	42/5210	-3.58	-0.03	11	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	3.57	4.61	11	PASS
	60/5300	4.91	5.95	11	PASS
	64/5320	5.04	6.08	11	PASS
802.11n HT20	52/5260	3.63	4.73	11	PASS
	60/5300	4.54	5.64	11	PASS
	64/5320	4.81	5.91	11	PASS
802.11n HT40	54/5270	-1.30	3.05	11	PASS
	62/5310	-0.07	4.28	11	PASS
802.11ac VHT20	52/5260	3.52	4.59	11	PASS
	60/5300	4.74	5.81	11	PASS
	64/5320	4.52	5.59	11	PASS
802.11ac VHT40	54/5270	-1.64	2.87	11	PASS
	62/5310	-0.21	4.30	11	PASS
802.11ac VHT80	58/5290	-4.99	-0.36	11	PASS
802.11ax HE20	52/5260	1.50	4.81	11	PASS
	60/5300	2.74	6.05	11	PASS
	64/5320	3.07	6.38	11	PASS
802.11ax HE40	54/5270	-0.51	2.88	11	PASS
	62/5310	1.49	4.88	11	PASS
802.11ax HE80	58/5290	-2.81	0.74	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	4.69	5.73	11	PASS
	120/5600	4.52	5.56	11	PASS
	140/5700	4.91	5.95	11	PASS
	144/5720	4.07	5.11	11	PASS
802.11n HT20	100/5500	4.43	5.53	11	PASS
	120/5600	3.75	4.85	11	PASS
	140/5700	4.40	5.50	11	PASS
	144/5720	3.60	4.70	11	PASS
802.11n HT40	102/5510	-0.18	4.17	11	PASS
	118/5590	-0.72	3.63	11	PASS
	134/5670	-0.81	3.54	11	PASS
	142/5710	-1.37	2.98	11	PASS
802.11ac VHT20	100/5500	4.01	5.08	11	PASS
	120/5600	3.94	5.01	11	PASS
	140/5700	4.87	5.94	11	PASS
	144/5720	3.06	4.13	11	PASS
802.11ac VHT40	102/5510	-1.08	3.43	11	PASS
	118/5590	-0.96	3.55	11	PASS
	134/5670	-0.84	3.67	11	PASS
	142/5710	-1.16	3.35	11	PASS
802.11ac VHT80	122/5610	-5.27	-0.64	11	PASS
	138/5690	-5.36	-0.73	11	PASS
802.11ax HE20	100/5500	2.41	5.72	11	PASS
	120/5600	1.97	5.28	11	PASS
	140/5700	2.33	5.64	11	PASS
	144/5720	1.70	5.01	11	PASS
802.11ax HE40	102/5510	0.28	3.67	11	PASS
	118/5590	0.25	3.64	11	PASS
	134/5670	1.00	4.39	11	PASS
	142/5710	0.77	4.16	11	PASS
802.11ax HE80	122/5610	-4.27	-0.72	11	PASS
	138/5690	-5.26	-1.71	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor					

U-NII-3

Mode	Channel /Frequency (MHz)	Read Value (dBm/470kHz)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500kHz)	Conclusion
802.11a	144/5720	-0.42	0.89	30	PASS
	149/5745	-0.16	1.15	30	PASS
	157/5785	-0.13	1.18	30	PASS
	165/5825	0.30	1.61	30	PASS
802.11n HT20	144/5720	-1.26	0.11	30	PASS
	149/5745	-0.26	1.11	30	PASS
	157/5785	-0.23	1.14	30	PASS
	165/5825	0.58	1.95	30	PASS
802.11n HT40	142/5710	-9.36	-4.74	30	PASS
	151/5755	-5.44	-0.82	30	PASS
	159/5795	-4.22	0.40	30	PASS
802.11ac VHT20	144/5720	-1.11	0.23	30	PASS
	149/5745	-0.52	0.82	30	PASS
	157/5785	-0.65	0.69	30	PASS
	165/5825	0.14	1.48	30	PASS
802.11ac VHT40	142/5710	-7.95	-3.17	30	PASS
	151/5755	-5.59	-0.81	30	PASS
	159/5795	-5.06	-0.28	30	PASS
802.11ac VHT80	138/5690	-12.75	-7.85	30	PASS
	155/5775	-8.74	-3.84	30	PASS
802.11ax HE20	144/5720	-2.15	1.43	30	PASS
	149/5745	-2.22	1.36	30	PASS
	157/5785	-2.17	1.41	30	PASS
	165/5825	-2.01	1.57	30	PASS
802.11ax HE40	142/5710	-5.99	-2.33	30	PASS
	151/5755	-3.23	0.43	30	PASS
	159/5795	-2.98	0.68	30	PASS
802.11ax HE80	138/5690	-10.99	-7.17	30	PASS
	155/5775	-8.03	-4.21	30	PASS
Note: PSD=Read Value+Duty cycle correction factor +10*log(500/470)					

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)			
802.11a	36/5180	4.17	5.21	4.60	5.64	8.44	11	PASS
	40/5200	4.90	5.94	4.79	5.83	8.90	11	PASS
	48/5240	5.14	6.18	4.30	5.34	8.79	11	PASS
802.11n HT20	36/5180	3.98	5.08	4.01	5.11	8.11	11	PASS
	40/5200	4.28	5.38	4.21	5.31	8.36	11	PASS
	48/5240	4.70	5.80	3.77	4.87	8.37	11	PASS
802.11n HT40	38/5190	-1.80	2.55	-0.83	3.52	6.07	11	PASS
	46/5230	-0.30	4.05	-0.24	4.11	7.09	11	PASS
802.11ac VHT20	36/5180	3.98	5.05	4.19	5.26	8.17	11	PASS
	40/5200	4.33	5.40	4.71	5.78	8.60	11	PASS
	48/5240	4.78	5.85	3.89	4.96	8.44	11	PASS
802.11ac VHT40	38/5190	-1.89	2.62	-0.63	3.88	6.31	11	PASS
	46/5230	-1.21	3.30	-1.15	3.36	6.34	11	PASS
802.11ac VHT80	42/5210	-4.84	-0.21	-4.22	0.41	3.12	11	PASS
802.11ax HE20	36/5180	2.14	5.45	2.37	5.68	8.58	11	PASS
	40/5200	2.57	5.88	2.19	5.50	8.70	11	PASS
	48/5240	2.82	6.13	1.93	5.24	8.72	11	PASS
802.11ax HE40	38/5190	-0.04	3.35	0.50	3.89	6.64	11	PASS
	46/5230	-0.11	3.28	0.85	4.24	6.80	11	PASS
802.11ax HE80	42/5210	-3.91	-0.36	-3.17	0.38	3.04	11	PASS

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

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain, For PSD measurements on all devices, Array Gain=10log(Nant/Nss)dB,

So directional gain=$G_{ANT\ MAX}$ + Array Gain=-1.3+10log(2/1)=1.71<6 dBi.

So the PSD limit is 11 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)			
802.11a	52/5260	4.42	5.46	4.19	5.23	8.36	11	PASS
	60/5300	5.23	6.27	4.97	6.01	9.15	11	PASS
	64/5320	5.11	6.15	5.09	6.13	9.15	11	PASS
802.11n HT20	52/5260	3.91	5.01	4.02	5.12	8.08	11	PASS
	60/5300	4.48	5.58	4.66	5.76	8.68	11	PASS
	64/5320	4.58	5.68	5.20	6.30	9.01	11	PASS
802.11n HT40	54/5270	-1.57	2.78	-0.21	4.14	6.52	11	PASS
	62/5310	-0.21	4.14	-0.34	4.01	7.09	11	PASS
802.11ac VHT20	52/5260	4.22	5.29	3.69	4.76	8.04	11	PASS
	60/5300	4.22	5.29	5.01	6.08	8.71	11	PASS
	64/5320	4.68	5.75	4.83	5.90	8.84	11	PASS
802.11ac VHT40	54/5270	-1.08	3.43	-1.09	3.42	6.44	11	PASS
	62/5310	-0.69	3.82	0.38	4.89	7.40	11	PASS
802.11ac VHT80	58/5290	-4.88	-0.25	-3.25	1.38	3.65	11	PASS
802.11ax HE20	52/5260	2.44	5.75	1.80	5.11	8.45	11	PASS
	60/5300	2.85	6.16	3.07	6.38	9.28	11	PASS
	64/5320	2.55	5.86	2.34	5.65	8.77	11	PASS
802.11ax HE40	54/5270	0.56	3.95	0.04	3.43	6.71	11	PASS
	62/5310	1.18	4.57	1.58	4.97	7.78	11	PASS
802.11ax HE80	58/5290	-4.12	-0.57	-3.61	-0.06	2.70	11	PASS

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

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain, For PSD measurements on all devices, Array Gain=10log(Nant/Nss)dB,

So directional gain=$G_{ANT\ MAX}$ + Array Gain=-1.3+10log(2/1)=1.71<6 dBi.

So the PSD limit is 11 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)			
802.11a	100/5500	5.51	6.55	4.83	5.87	9.23	11	PASS
	120/5600	4.43	5.47	3.61	4.65	8.09	11	PASS
	140/5700	5.15	6.19	4.85	5.89	9.05	11	PASS
	144/5720	5.50	6.54	4.13	5.17	8.92	11	PASS
802.11n HT20	100/5500	5.23	6.33	4.10	5.20	8.81	11	PASS
	120/5600	4.38	5.48	3.13	4.23	7.91	11	PASS
	140/5700	4.63	5.73	4.75	5.85	8.80	11	PASS
	144/5720	4.99	6.09	3.57	4.67	8.45	11	PASS
802.11n HT40	102/5510	-0.76	3.59	-0.17	4.18	6.91	11	PASS
	118/5590	-0.07	4.28	-0.61	3.74	7.03	11	PASS
	134/5670	-1.33	3.02	-0.45	3.90	6.49	11	PASS
	142/5710	0.64	4.99	-0.80	3.55	7.34	11	PASS
802.11ac VHT20	100/5500	5.03	6.10	4.20	5.27	8.72	11	PASS
	120/5600	4.40	5.47	2.74	3.81	7.73	11	PASS
	140/5700	4.93	6.00	4.43	5.50	8.77	11	PASS
	144/5720	4.52	5.59	3.90	4.97	8.30	11	PASS
802.11ac VHT40	102/5510	-1.04	3.47	0.23	4.74	7.16	11	PASS
	118/5590	-1.32	3.19	-1.24	3.27	6.24	11	PASS
	134/5670	-1.47	3.04	-0.53	3.98	6.55	11	PASS
	142/5710	0.54	5.05	-0.67	3.84	7.50	11	PASS
802.11ac VHT80	122/5610	-4.91	-0.28	-5.47	-0.84	2.46	11	PASS
	138/5690	-3.21	1.42	-4.69	-0.06	3.75	11	PASS
802.11ax HE20	100/5500	3.66	6.97	2.55	5.86	9.46	11	PASS
	120/5600	2.85	6.16	1.66	4.97	8.62	11	PASS
	140/5700	2.95	6.26	2.65	5.96	9.12	11	PASS
	144/5720	3.04	6.35	1.62	4.93	8.71	11	PASS
802.11ax HE40	102/5510	0.67	4.06	1.63	5.02	7.58	11	PASS
	118/5590	0.23	3.62	-0.59	2.80	6.24	11	PASS
	134/5670	0.78	4.17	0.65	4.04	7.12	11	PASS
	142/5710	1.42	4.81	1.24	4.63	7.73	11	PASS
802.11ax HE80	122/5610	-3.75	-0.20	-4.00	-0.45	2.69	11	PASS
	138/5690	-3.42	0.13	-4.24	-0.69	2.75	11	PASS

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

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain, For PSD measurements on all devices, Array Gain=10log(Nant/Nss)dB,

So directional gain=$G_{ANT\ MAX}$ + Array Gain=-0.9+10log(2/1)=2.11<6 dBi.

So the PSD limit is 11 dBm.

U-NII-3

Mode	Channel/ Frequency (MHz)	Power Spectral Density					Limit (dBm/ 500kHz)	Conclusion
		Antenna 1		Antenna 2		Total PSD (dBm/ 500kHz)		
		Read Value (dBm/ 470kHz)	PSD (dBm/ 500kHz)	Read Value (dBm/ 470kHz)	PSD (dBm/ 500kHz)			
802.11a	144/5720	-0.16	1.15	-0.68	0.63	3.91	30	PASS
	149/5745	1.86	3.17	0.24	1.55	5.45	30	PASS
	157/5785	1.70	3.01	-0.07	1.24	5.22	30	PASS
	165/5825	1.34	2.65	0.52	1.83	5.27	30	PASS
802.11n HT20	144/5720	-0.44	0.93	-0.96	0.41	3.69	30	PASS
	149/5745	1.77	3.14	0.08	1.45	5.39	30	PASS
	157/5785	1.26	2.63	-0.02	1.35	5.05	30	PASS
	165/5825	1.23	2.60	0.49	1.86	5.26	30	PASS
802.11n HT40	142/5710	-9.53	-4.91	-8.55	-3.93	-1.38	30	PASS
	151/5755	-3.91	0.71	-5.20	-0.58	3.12	30	PASS
	159/5795	-4.32	0.30	-4.95	-0.33	3.01	30	PASS
802.11ac VHT20	144/5720	-0.39	0.95	-1.07	0.27	3.63	30	PASS
	149/5745	1.77	3.11	-0.18	1.16	5.25	30	PASS
	157/5785	1.54	2.88	0.09	1.43	5.23	30	PASS
	165/5825	1.30	2.64	0.15	1.49	5.11	30	PASS
802.11ac VHT40	142/5710	-9.04	-4.26	-8.52	-3.74	-0.98	30	PASS
	151/5755	-3.23	1.55	-5.42	-0.64	3.60	30	PASS
	159/5795	-4.53	0.25	-5.06	-0.28	3.00	30	PASS
802.11ac VHT80	138/5690	-13.45	-8.55	-12.13	-7.23	-4.83	30	PASS
	155/5775	-8.64	-3.74	-8.93	-4.03	-0.87	30	PASS
802.11ax HE20	144/5720	-1.51	2.07	-2.71	0.87	4.52	30	PASS
	149/5745	0.09	3.67	-1.38	2.20	6.01	30	PASS
	157/5785	-0.13	3.45	-2.31	1.27	5.51	30	PASS
	165/5825	-0.94	2.64	-2.09	1.49	5.11	30	PASS
802.11ax HE40	142/5710	-6.71	-3.05	-5.31	-1.65	0.72	30	PASS
	151/5755	-2.89	0.77	-3.63	0.03	3.43	30	PASS
	159/5795	-2.10	1.56	-3.31	0.35	4.01	30	PASS
802.11ax HE80	138/5690	-11.69	-7.87	-10.92	-7.10	-4.46	30	PASS
	155/5775	-7.21	-3.39	-7.81	-3.99	-0.67	30	PASS

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

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain, For PSD measurements on all devices, Array Gain=10log(Nant/Nss)dB,

So directional gain=$G_{ANT\ MAX}$ +Array Gain=-0.7+10log(2/1)=2.31<6 dBi. So the PSD limit is 30 dBm.

TB Mode

SISO Antenna 1

U-NII-1

Mode	Channel/ Frequency (MHz)	RU Index	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11ax HE20 26-Tone	36/5180	0	7.27	9.22	11	PASS
	40/5200	4	6.57	8.52	11	PASS
	48/5240	8	7.49	9.44	11	PASS
802.11ax HE20 52-Tone	36/5180	37	6.70	9.00	11	PASS
	40/5200	38	6.28	8.63	11	PASS
	48/5240	40	7.19	9.35	11	PASS
802.11ax HE20 106-Tone	36/5180	53	5.57	8.18	11	PASS
	40/5200	53	5.49	8.10	11	PASS
	48/5240	54	6.49	8.94	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor						

U-NII-2A

Mode	Channel/ Frequency (MHz)	RU Index	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11ax HE20 26-Tone	52/5260	0	7.85	9.80	11	PASS
	60/5300	4	6.69	8.64	11	PASS
	64/5320	8	7.91	9.86	11	PASS
802.11ax HE20 52-Tone	52/5260	37	6.35	8.65	11	PASS
	60/5300	38	7.18	9.53	11	PASS
	64/5320	40	7.34	9.50	11	PASS
802.11ax HE20 106-Tone	52/5260	53	5.57	8.18	11	PASS
	60/5300	53	5.72	8.33	11	PASS
	64/5320	54	5.98	8.43	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor						

U-NII-2C

Mode	Channel/ Frequency (MHz)	RU Index	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11ax HE20 26-Tone	100/5500	0	7.65	9.60	11	PASS
	120/5600	4	7.73	9.68	11	PASS
	140/5700	8	8.21	10.16	11	PASS
802.11ax HE20 52-Tone	100/5500	37	6.63	8.93	11	PASS
	120/5600	38	7.36	9.71	11	PASS
	140/5700	40	6.40	8.56	11	PASS
802.11ax HE20 106-Tone	100/5500	53	5.60	8.21	11	PASS
	120/5600	53	5.40	8.01	11	PASS
	140/5700	54	6.15	8.60	11	PASS
	144/5720	54	6.25	8.70	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor						

U-NII-3

Mode	Channel/ Frequency (MHz)	RU Index	Read Value (dBm/470kHz)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500kHz)	Conclusion
802.11ax HE20 26-Tone	144/5720	8	4.29	6.51	30	PASS
	149/5745	0	8.98	11.20	30	PASS
	157/5785	4	8.57	10.79	30	PASS
	165/5825	8	9.04	11.26	30	PASS
802.11ax HE20 52-Tone	144/5720	40	3.82	6.25	30	PASS
	149/5745	37	6.30	8.87	30	PASS
	157/5785	38	5.67	8.29	30	PASS
	165/5825	40	6.26	8.69	30	PASS
802.11ax HE20 106-Tone	144/5720	54	2.83	5.55	30	PASS
	149/5745	53	2.63	5.51	30	PASS
	157/5785	53	2.59	5.47	30	PASS
	165/5825	54	2.82	5.54	30	PASS
Note: PSD=Read Value+Duty cycle correction factor+10*LOG10(500/470)						

SISO Antenna 2

U-NII-1

Mode	Channel/ Frequency (MHz)	RU Index	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11ax HE20 26-Tone	36/5180	0	7.74	9.69	11	PASS
	40/5200	4	6.59	8.54	11	PASS
	48/5240	8	7.57	9.52	11	PASS
802.11ax HE20 52-Tone	36/5180	37	7.05	9.35	11	PASS
	40/5200	38	6.40	8.75	11	PASS
	48/5240	40	7.27	9.43	11	PASS
802.11ax HE20 106-Tone	36/5180	53	5.59	8.20	11	PASS
	40/5200	53	6.08	8.69	11	PASS
	48/5240	54	5.58	8.03	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor						

U-NII-2A

Mode	Channel/ Frequency (MHz)	RU Index	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11ax HE20 26-Tone	52/5260	0	7.14	9.09	11	PASS
	60/5300	4	7.28	9.23	11	PASS
	64/5320	8	7.68	9.63	11	PASS
802.11ax HE20 52-Tone	52/5260	37	6.13	8.43	11	PASS
	60/5300	38	7.33	9.68	11	PASS
	64/5320	40	7.44	9.60	11	PASS
802.11ax HE20 106-Tone	52/5260	53	4.65	7.26	11	PASS
	60/5300	53	6.37	8.98	11	PASS
	64/5320	54	6.58	9.03	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor						

U-NII-2C

Mode	Channel/ Frequency (MHz)	RU Index	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11ax HE20 26-Tone	100/5500	0	7.61	9.56	11	PASS
	120/5600	4	7.18	9.13	11	PASS
	140/5700	8	7.97	9.92	11	PASS
802.11ax HE20 52-Tone	100/5500	37	6.56	8.86	11	PASS
	120/5600	38	7.52	9.87	11	PASS
	140/5700	40	7.06	9.22	11	PASS
802.11ax HE20 106-Tone	100/5500	53	5.68	8.29	11	PASS
	120/5600	53	6.17	8.78	11	PASS
	140/5700	54	6.45	8.90	11	PASS
	144/5720	54	5.09	7.54	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor						

U-NII-3

Mode	Channel/ Frequency (MHz)	RU Index	Read Value (dBm/470kHz)	Power Spectral Density (dBm/500kHz)	Limit (dBm/500kHz)	Conclusion
802.11ax HE20 26-Tone	144/5720	8	4.24	6.46	30	PASS
	149/5745	0	7.30	9.52	30	PASS
	157/5785	4	6.98	9.20	30	PASS
	165/5825	8	7.69	9.91	30	PASS
802.11ax HE20 52-Tone	144/5720	40	3.75	6.18	30	PASS
	149/5745	37	4.18	6.75	30	PASS
	157/5785	38	4.55	7.17	30	PASS
	165/5825	40	5.36	7.79	30	PASS
802.11ax HE20 106-Tone	144/5720	54	1.59	4.31	30	PASS
	149/5745	53	1.17	4.05	30	PASS
	157/5785	53	1.76	4.64	30	PASS
	165/5825	54	1.31	4.03	30	PASS
Note: PSD=Read Value+Duty cycle correction factor+10*LOG10(500/470)						

MIMO

U-NII-1

Mode	Channel/ Frequency (MHz)	RU Index	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)			
802.11ax HE20 26-Tone	36/5180	0	4.39	6.34	5.24	7.19	9.80	11	PASS
	40/5200	4	3.79	5.74	3.78	5.73	8.75	11	PASS
	48/5240	8	5.64	7.59	4.84	6.79	10.22	11	PASS
802.11ax HE20 52-Tone	36/5180	37	3.61	5.91	5.62	7.92	10.04	11	PASS
	40/5200	38	4.64	6.99	4.42	6.77	9.89	11	PASS
	48/5240	40	3.97	6.13	4.16	6.32	9.24	11	PASS
802.11ax HE20 106-Tone	36/5180	53	2.24	4.85	2.51	5.12	8.00	11	PASS
	40/5200	53	2.52	5.13	2.32	4.93	8.04	11	PASS
	48/5240	54	4.40	6.85	3.40	5.85	9.39	11	PASS

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

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$.

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain, For PSD measurements on all devices, Array Gain=10log(Nant/Nss)dB,

So directional gain=$G_{ANT\ MAX}$ + Array Gain=-1.3+10log(2/1)=1.71<6 dBi.

So the PSD limit is 11 dBm.

U-NII-2A

Mode	Channel/ Frequency (MHz)	RU Index	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)			
802.11ax HE20 26-Tone	52/5260	0	4.70	6.65	4.33	6.28	9.48	11	PASS
	60/5300	4	3.42	5.37	3.97	5.92	8.66	11	PASS
	64/5320	8	4.51	6.46	4.92	6.87	9.68	11	PASS
802.11ax HE20 52-Tone	52/5260	37	3.75	6.05	3.82	6.12	9.10	11	PASS
	60/5300	38	4.52	6.87	4.13	6.48	9.69	11	PASS
	64/5320	40	3.78	5.94	4.81	6.97	9.50	11	PASS
802.11ax HE20 106-Tone	52/5260	53	3.03	5.64	3.02	5.63	8.65	11	PASS
	60/5300	53	3.08	5.69	3.15	5.76	8.74	11	PASS
	64/5320	54	2.86	5.31	3.04	5.49	8.41	11	PASS

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

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$.

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain, For PSD measurements on all devices, Array Gain=10log(Nant/Nss)dB,

So directional gain=$G_{ANT\ MAX}$ + Array Gain=-1.3+10log(2/1)=1.71<6 dBi.

So the PSD limit is 11 dBm.

U-NII-2C

Mode	Channel/ Frequency (MHz)	RU Index	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)			
802.11ax HE20 26-Tone	100/5500	0	3.43	5.38	4.68	6.63	9.06	11	PASS
	120/5600	4	3.90	5.85	3.43	5.38	8.63	11	PASS
	140/5700	8	5.37	7.32	4.53	6.48	9.93	11	PASS
802.11ax HE20 52-Tone	100/5500	37	3.49	5.79	3.63	5.93	8.87	11	PASS
	120/5600	38	4.18	6.53	4.08	6.43	9.49	11	PASS
	140/5700	40	4.42	6.58	3.66	5.82	9.23	11	PASS
802.11ax HE20 106-Tone	100/5500	53	2.67	5.28	2.47	5.08	8.19	11	PASS
	120/5600	53	3.21	5.82	3.41	6.02	8.93	11	PASS
	140/5700	54	3.21	5.66	3.11	5.56	8.62	11	PASS
	144/5720	54	3.32	5.77	2.52	4.97	8.40	11	PASS

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

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$.

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain, For PSD measurements on all devices, Array Gain=10log(Nant/Nss)dB,

So directional gain=$G_{ANT\ MAX}$ + Array Gain=-0.9+10log(2/1)=2.11<6 dBi.

So the PSD limit is 11 dBm.

U-NII-3

Mode	Channel/ Frequency (MHz)	RU Index	Power Spectral Density					Limit (dBm/ 500kHz)	Conclusion
			Antenna 1		Antenna 2		Total PSD (dBm/ 500kHz)		
			Read Value (dBm/ 470kHz)	PSD (dBm/ 500kHz)	Read Value (dBm/ 470kHz)	PSD (dBm/ 500kHz)			
802.11ax HE20 26-Tone	144/5720	8	1.44	3.66	1.04	3.26	6.47	30	PASS
	149/5745	0	10.34	12.56	7.19	9.41	14.27	30	PASS
	157/5785	4	9.47	11.69	7.48	9.70	13.82	30	PASS
	165/5825	8	8.92	11.14	8.41	10.63	13.90	30	PASS
802.11ax HE20 52-Tone	144/5720	40	0.55	2.98	0.63	3.06	6.03	30	PASS
	149/5745	37	6.61	9.18	4.84	7.41	11.39	30	PASS
	157/5785	38	6.15	8.77	4.54	7.16	11.05	30	PASS
	165/5825	40	6.34	8.77	5.19	7.62	11.24	30	PASS
802.11ax HE20 106-Tone	144/5720	54	-0.75	1.97	-1.14	1.58	4.79	30	PASS
	149/5745	53	3.41	6.29	0.76	3.64	8.17	30	PASS
	157/5785	53	2.92	5.80	0.78	3.66	7.87	30	PASS
	165/5825	54	2.68	5.40	1.50	4.22	7.86	30	PASS

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

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),

the power spectral density=$10\log(10^{(\text{PSD antenna 1 in dBm/10})}+10^{(\text{PSD antenna 2 in dBm/10})}$.

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(ii): If antenna gains are not equal, the user may use either of the following methods to calculate directional gain, provided that each transmit antenna is driven by only one spatial stream: Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain.

Directional gain = $G_{ANT\ MAX}$ + Array Gain, For PSD measurements on all devices, Array Gain=10log(Nant/Nss)dB,

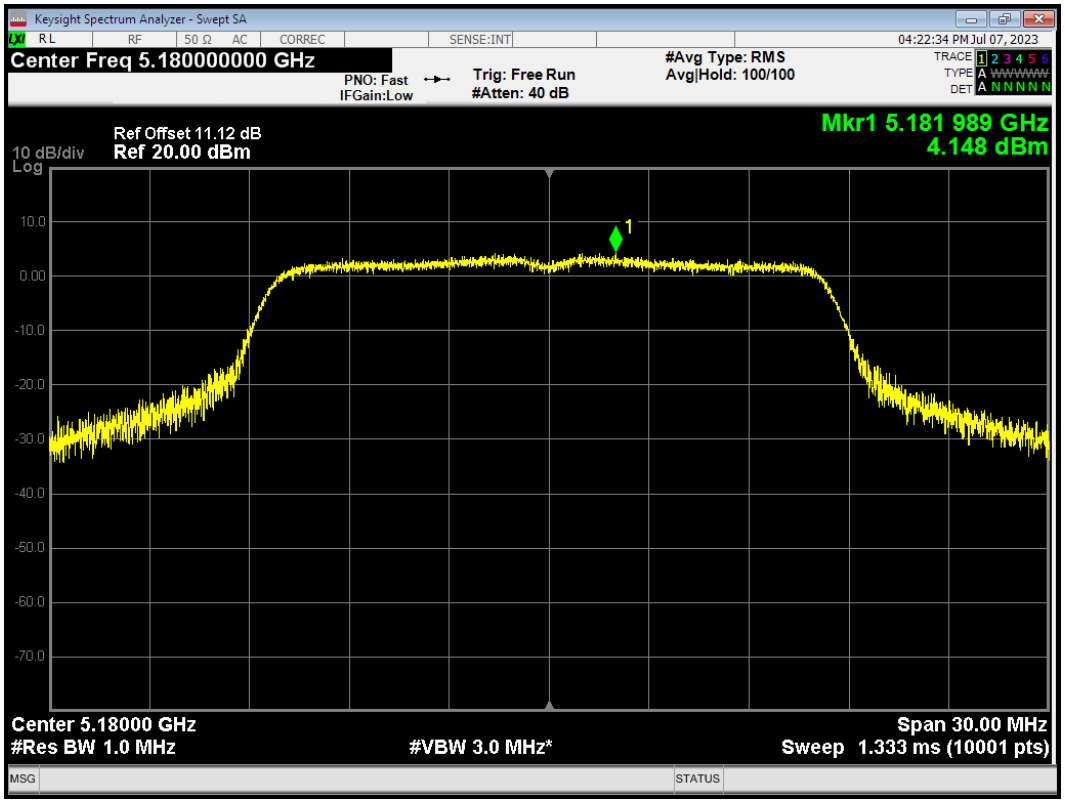
So directional gain=$G_{ANT\ MAX}$ +Array Gain=-0.7+10log(2/1)=2.31<6 dBi.

So the PSD limit is 30 dBm.

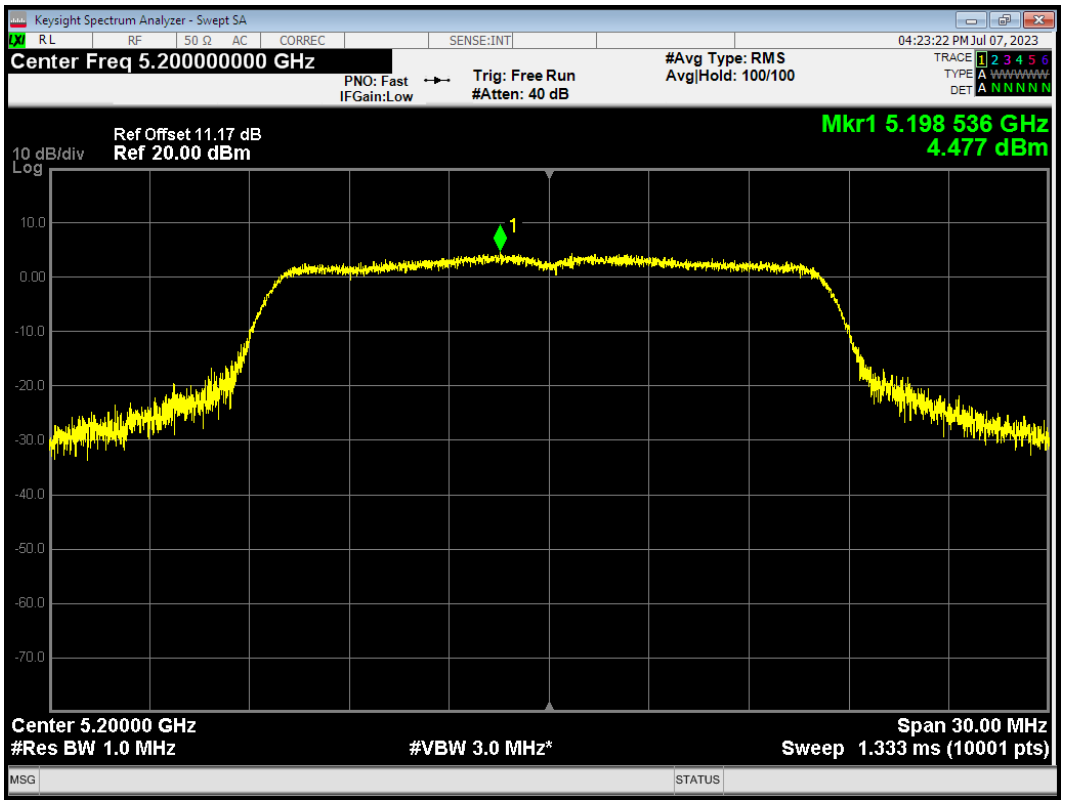
SISO Antenna 1

U-NII-1

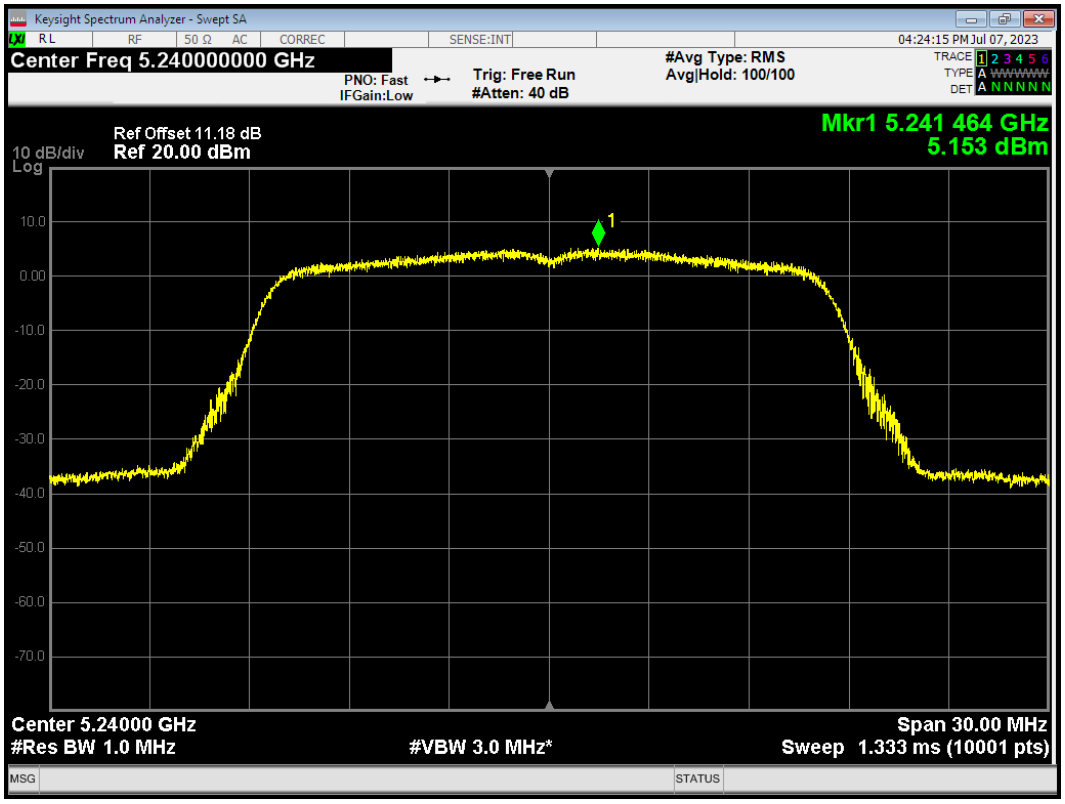
PSD 802.11a 5180MHz



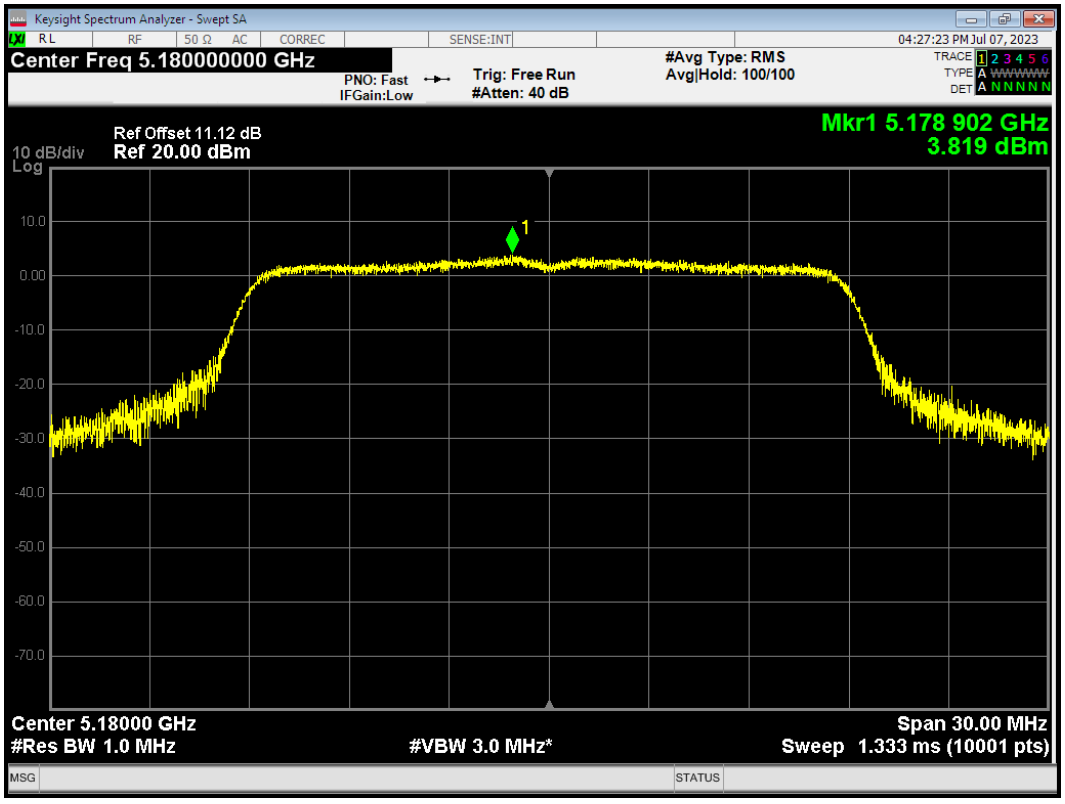
PSD 802.11a 5200MHz



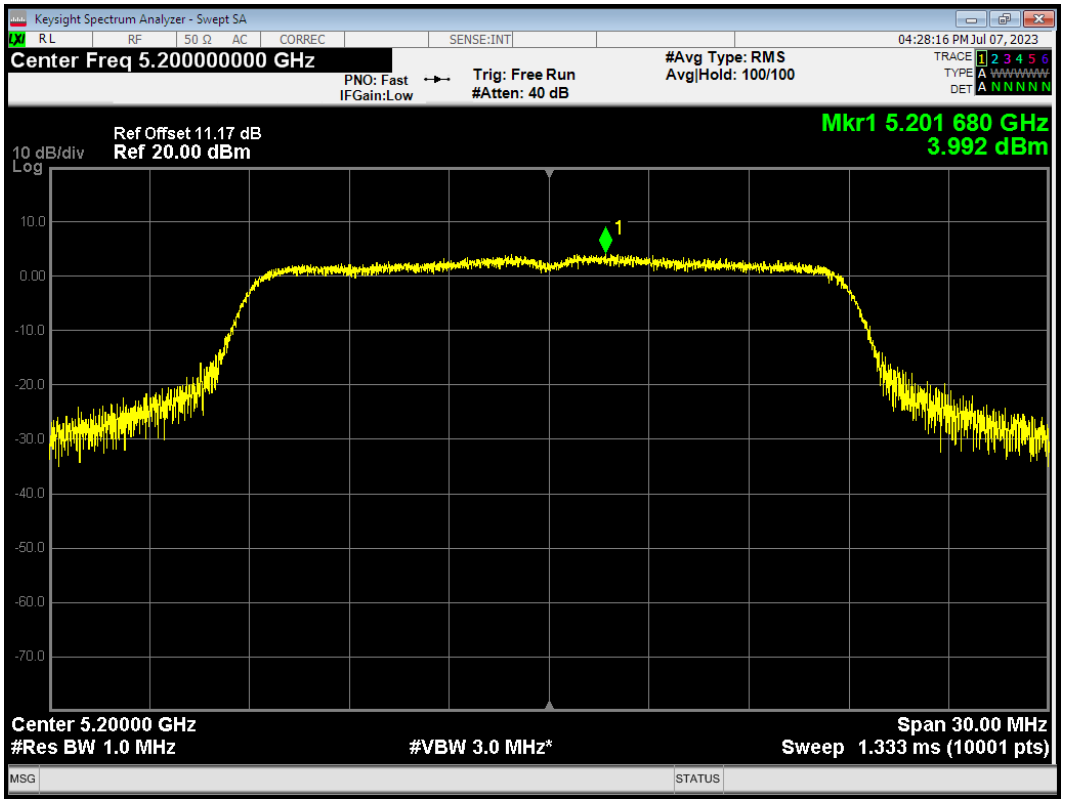
PSD 802.11a 5240MHz



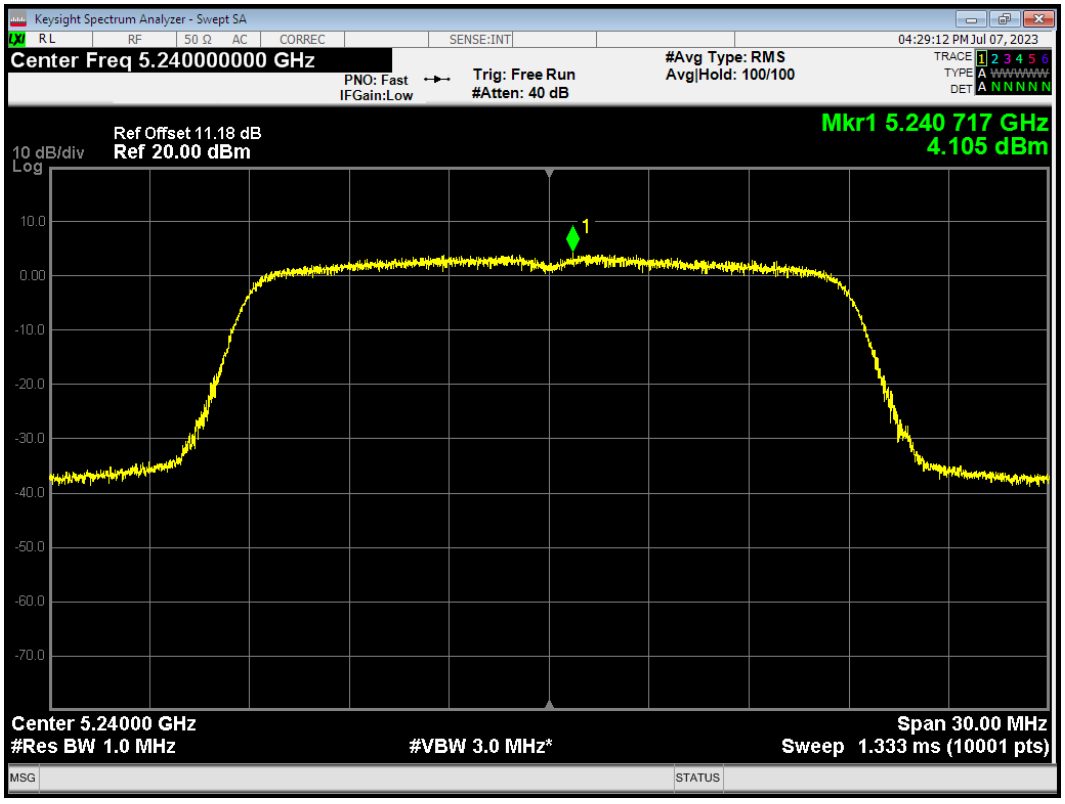
PSD 802.11ac(VHT20) 5180MHz



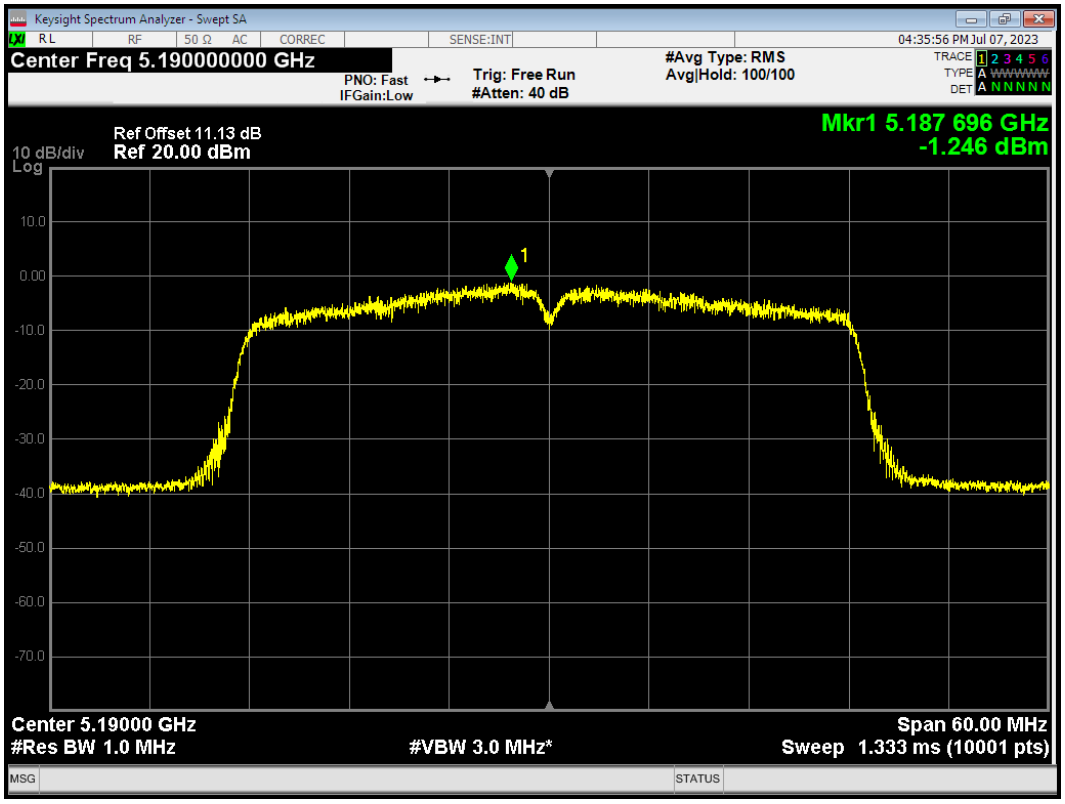
PSD 802.11ac(VHT20) 5200MHz



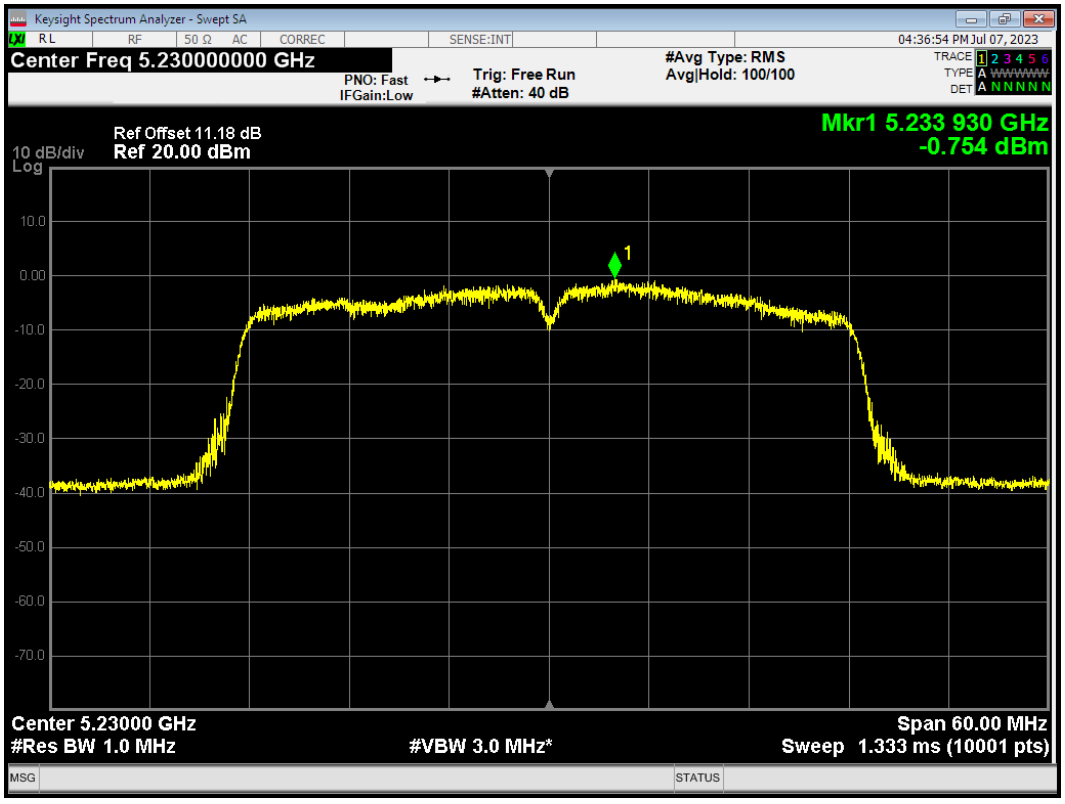
PSD 802.11ac(VHT20) 5240MHz



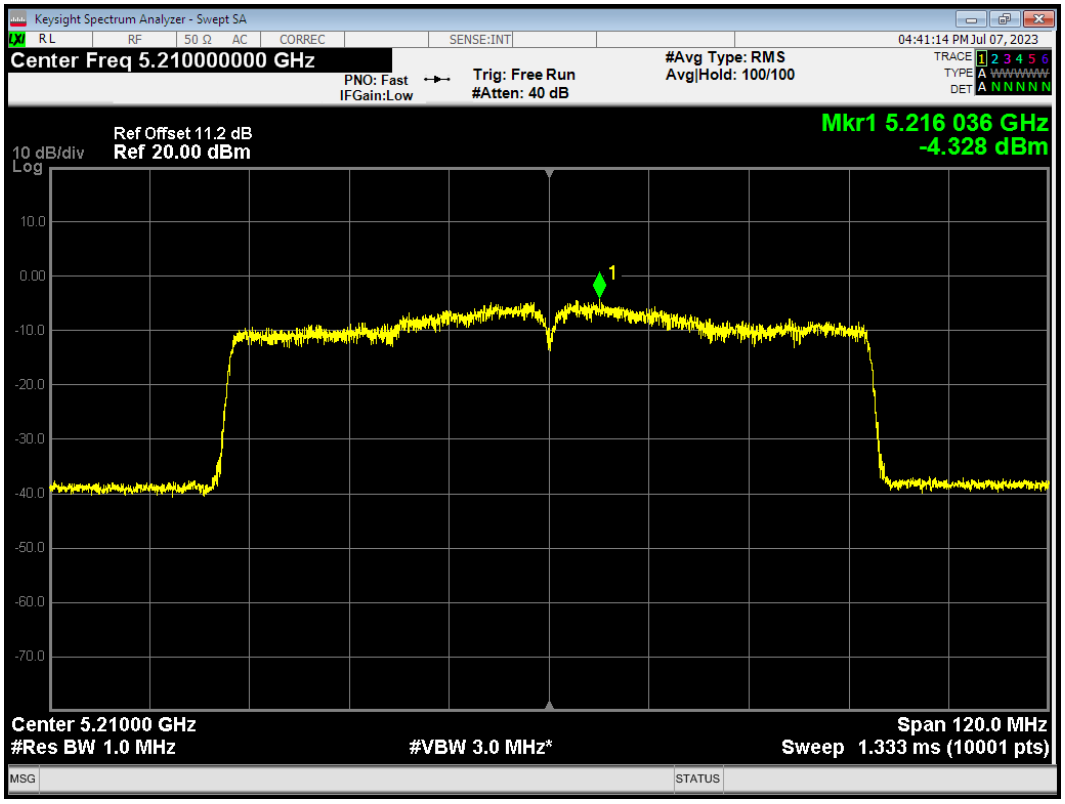
PSD 802.11ac(VHT40) 5190MHz



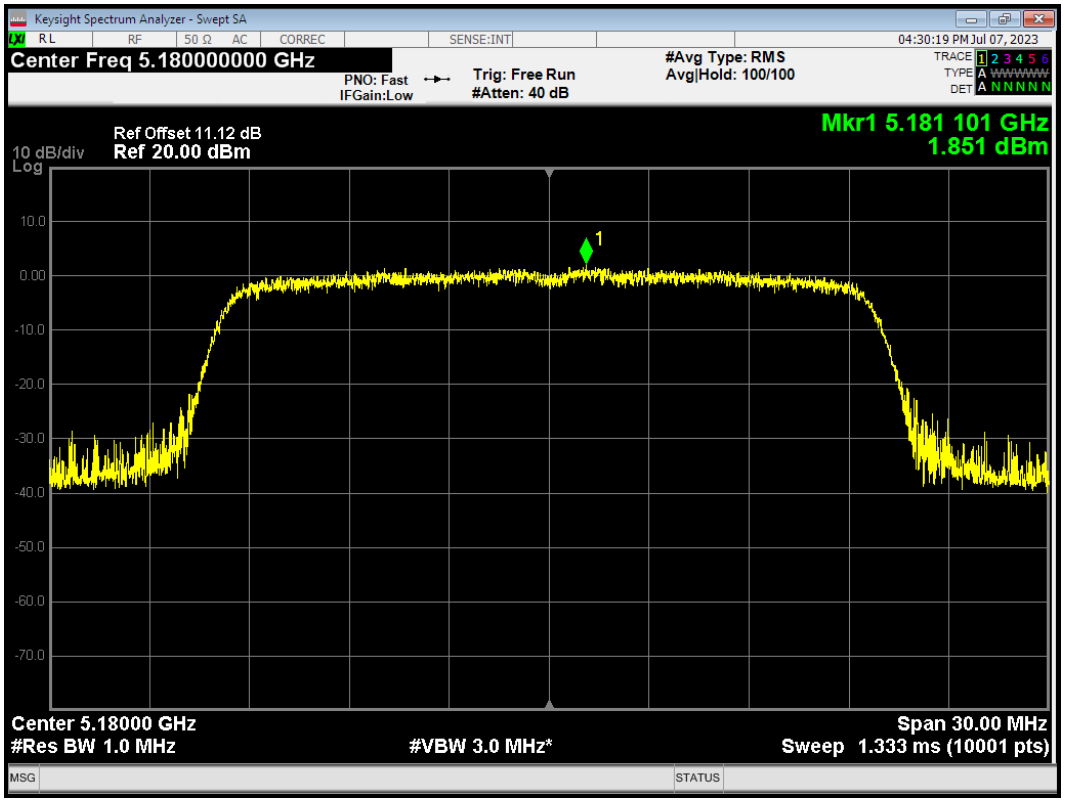
PSD 802.11ac(VHT40) 5230MHz



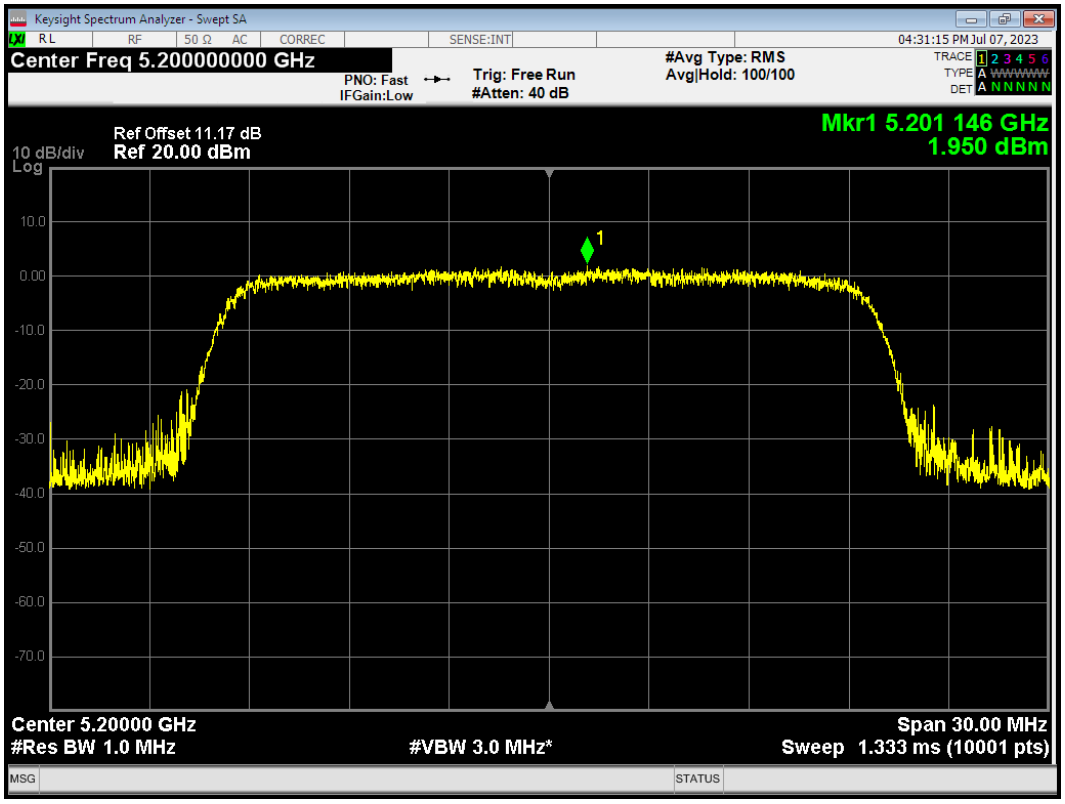
PSD 802.11ac(VHT80) 5210MHz



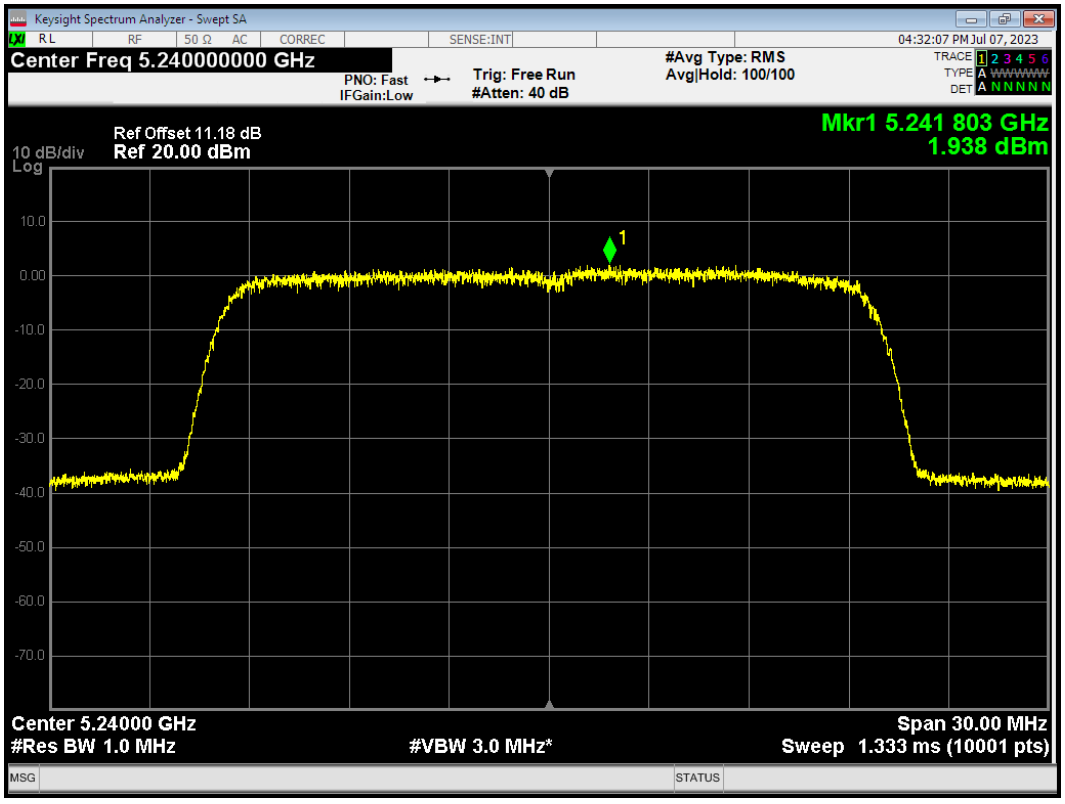
PSD 802.11ax(HE20) 5180MHz



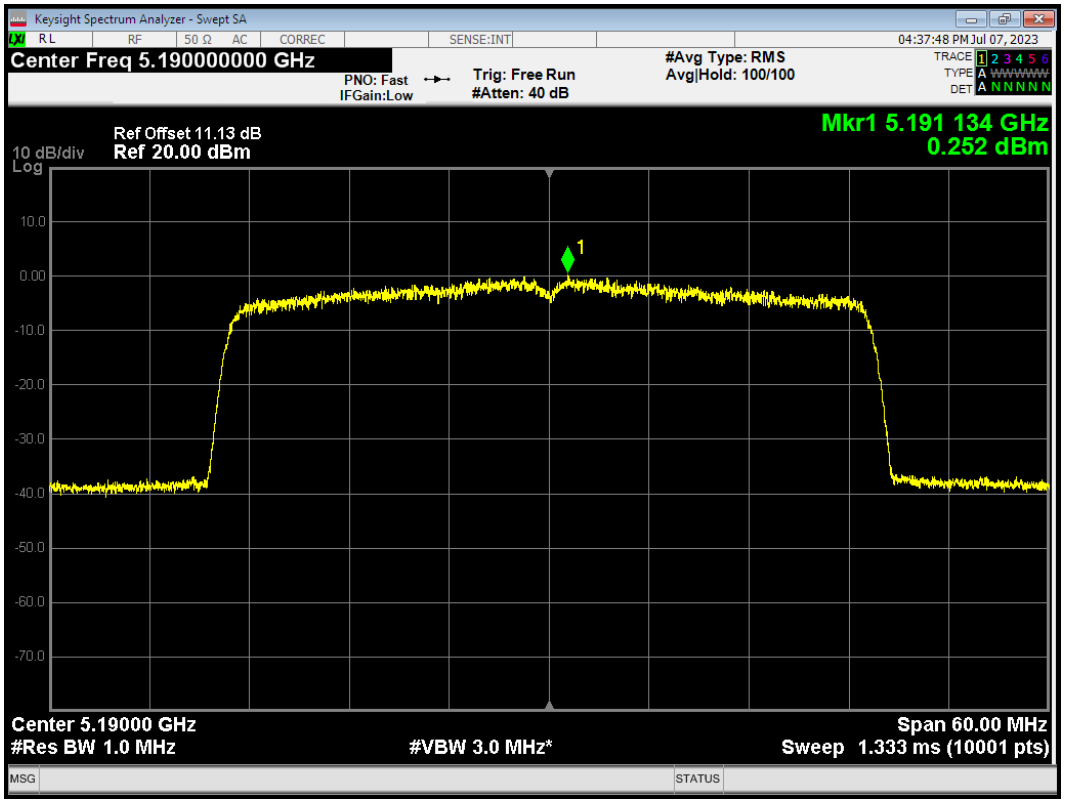
PSD 802.11ax(HE20) 5200MHz



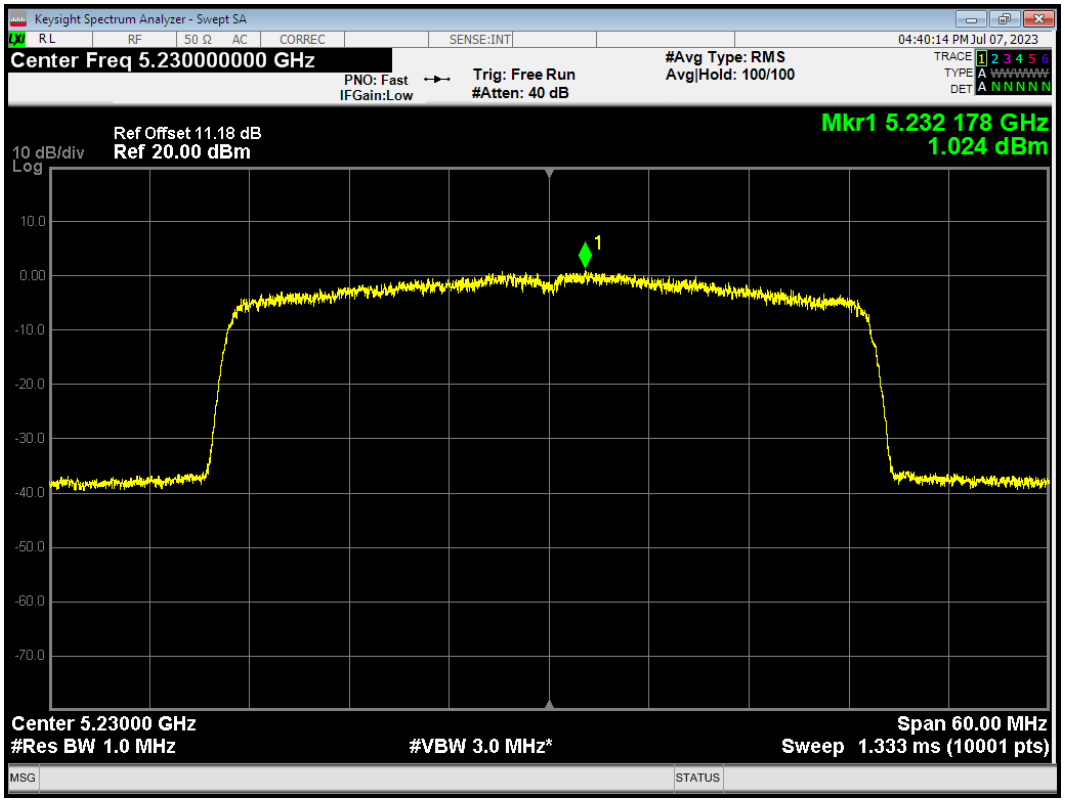
PSD 802.11ax(HE20) 5240MHz



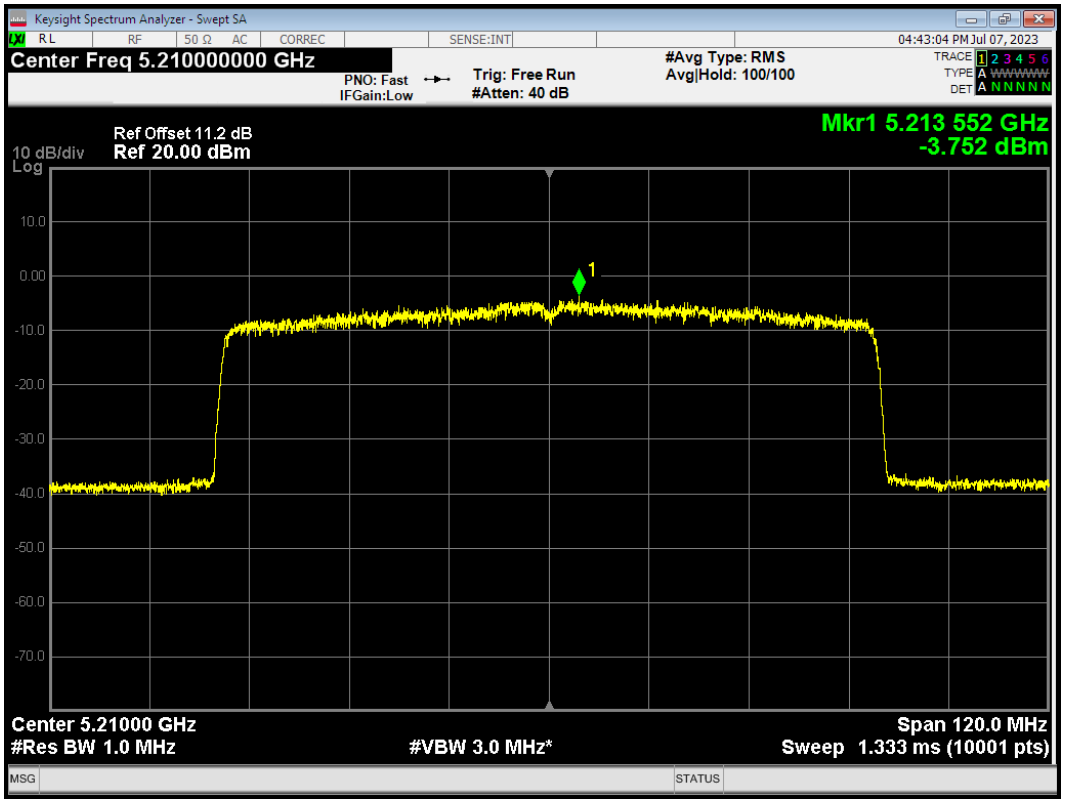
PSD 802.11ax(HE40) 5190MHz



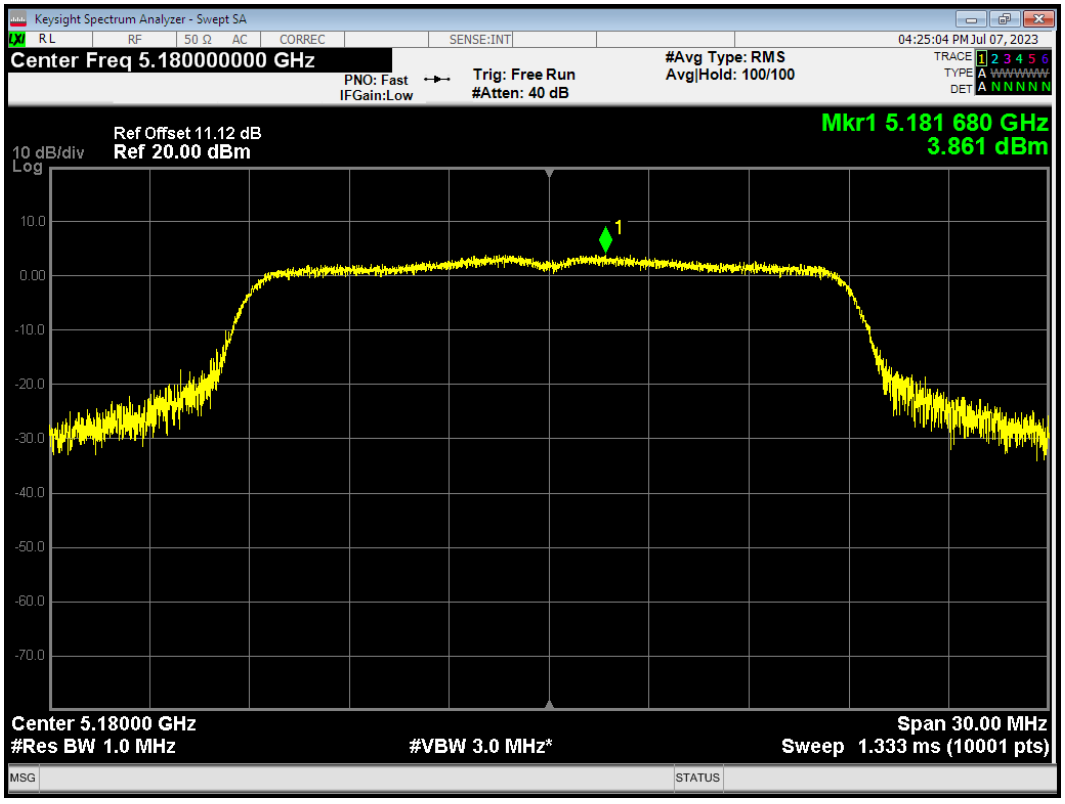
PSD 802.11ax(HE40) 5230MHz



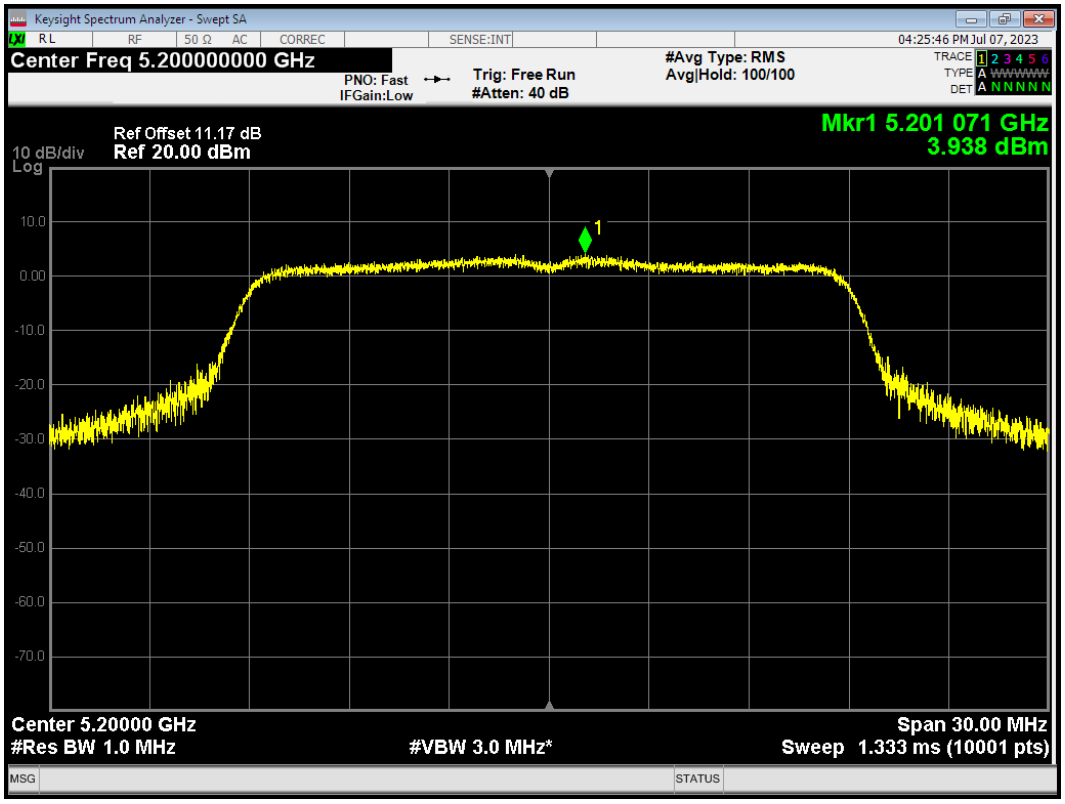
PSD 802.11ax(HE80) 5210MHz



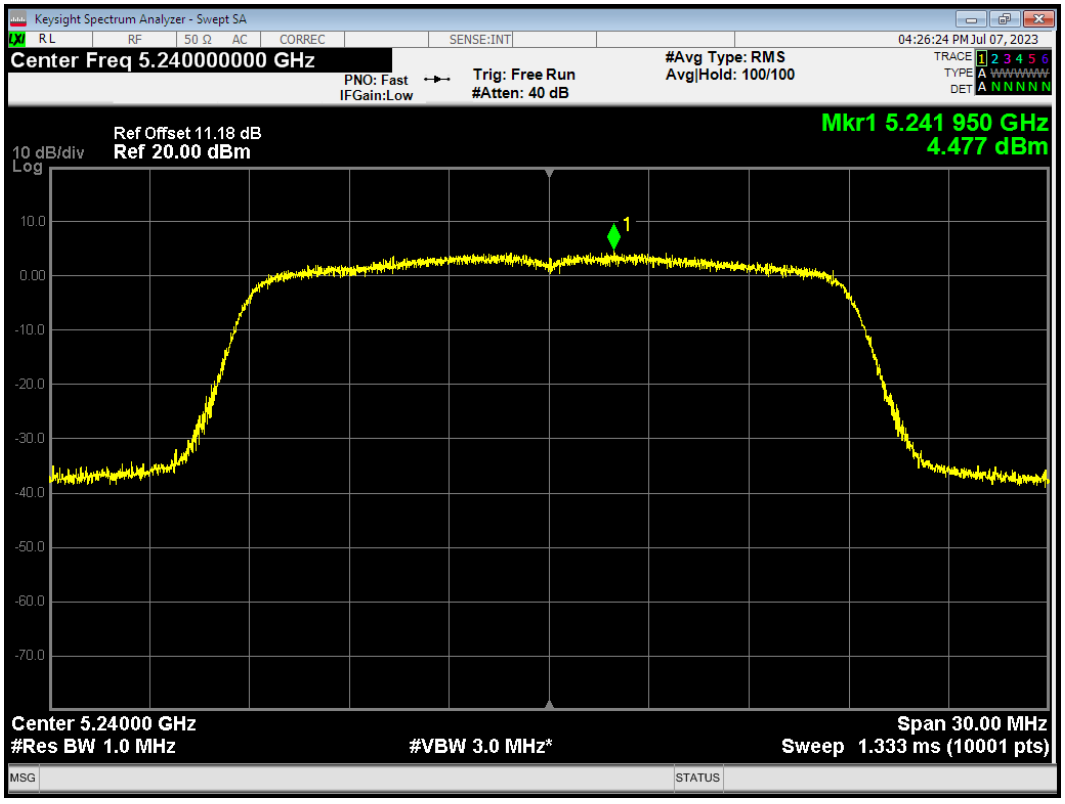
PSD 802.11n(HT20) 5180MHz



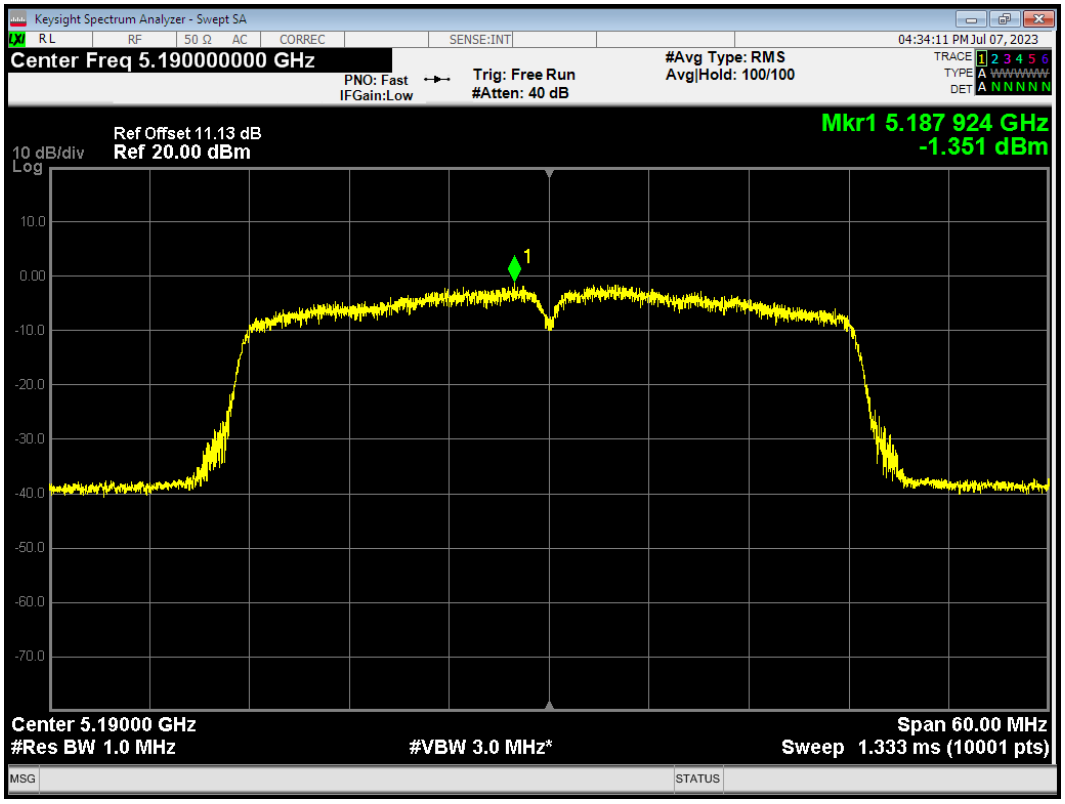
PSD 802.11n(HT20) 5200MHz



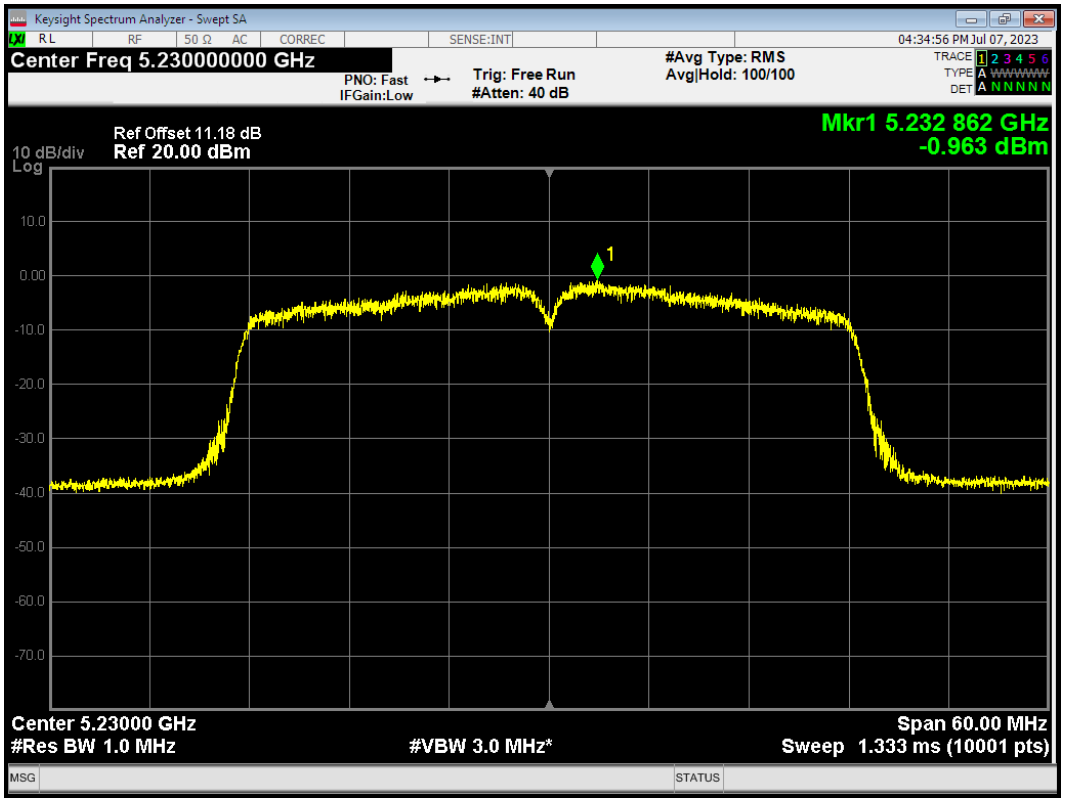
PSD 802.11n(HT20) 5240MHz



PSD 802.11n(HT40) 5190MHz

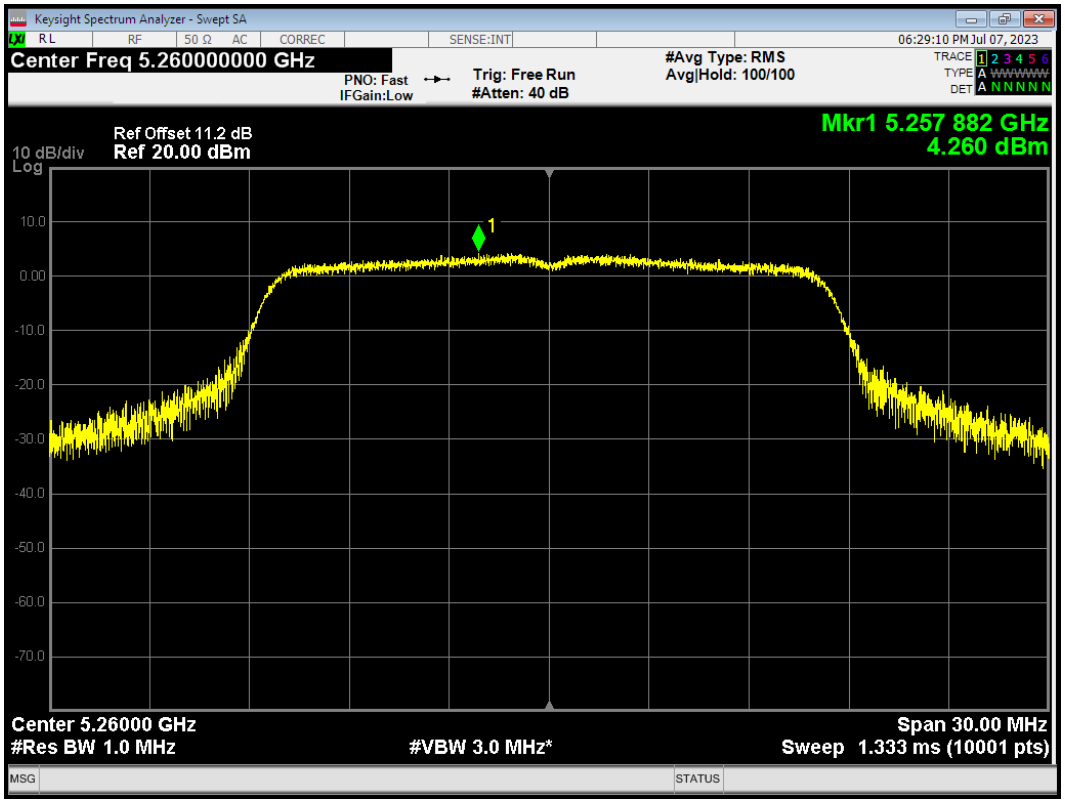


PSD 802.11n(HT40) 5230MHz

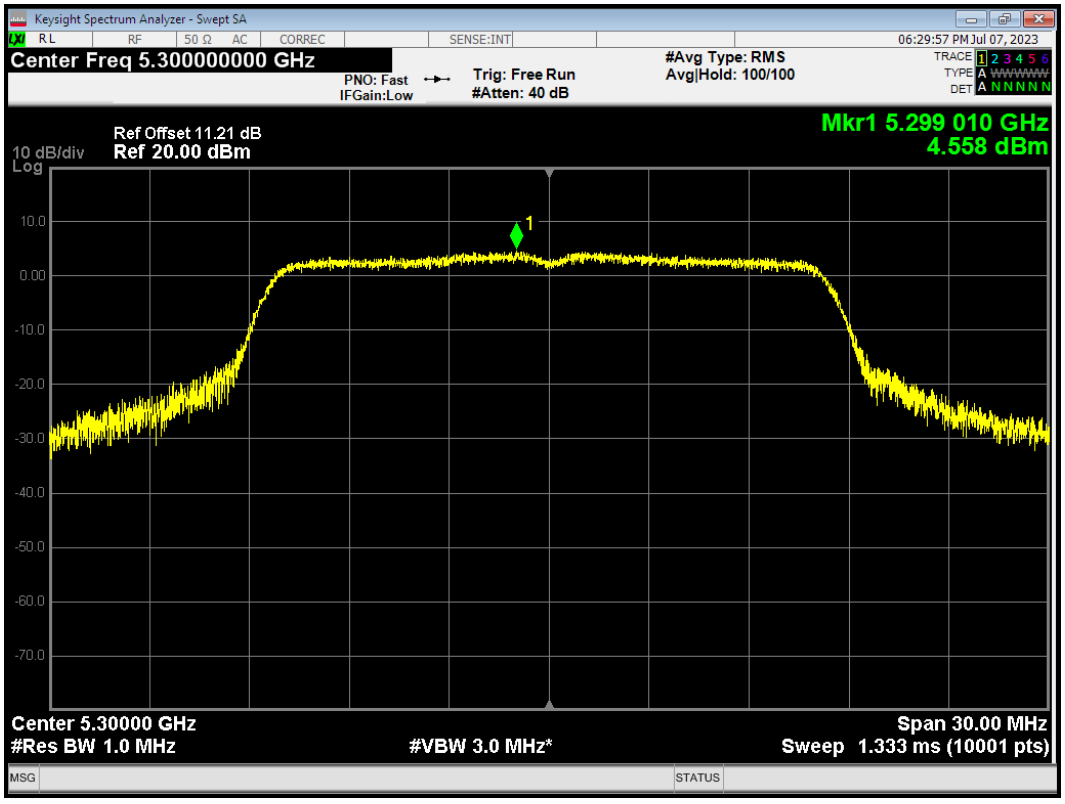


U-NII-2A

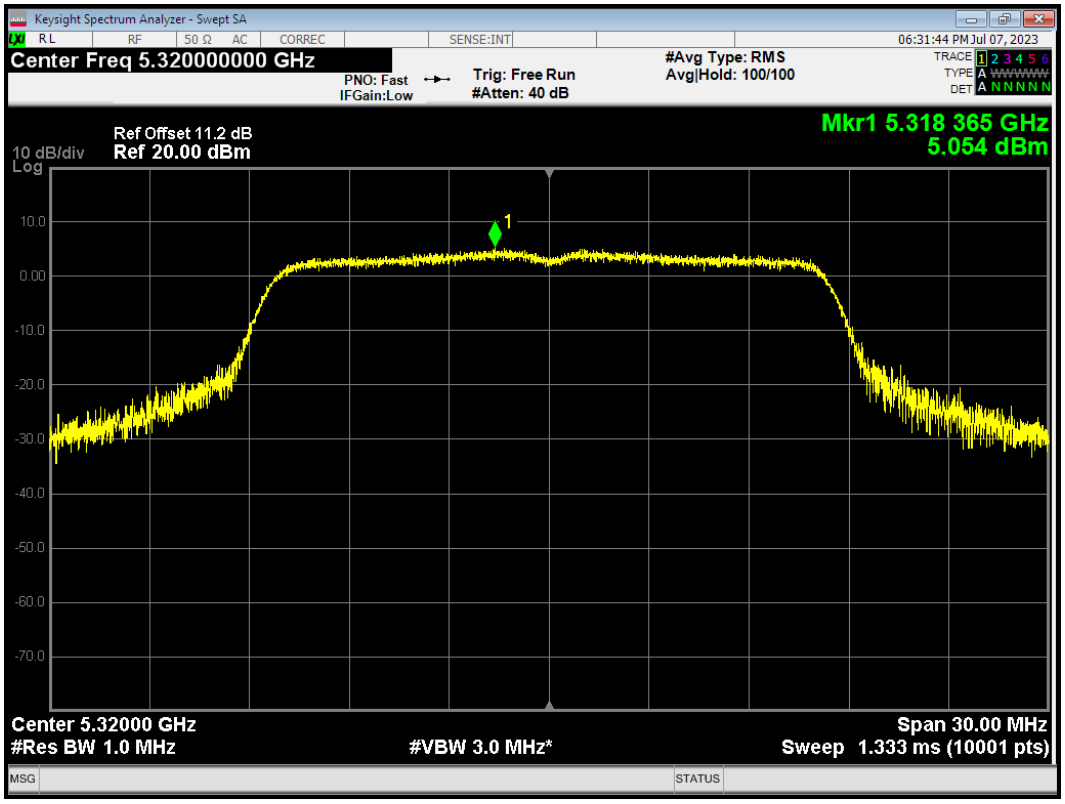
PSD 802.11a 5260MHz



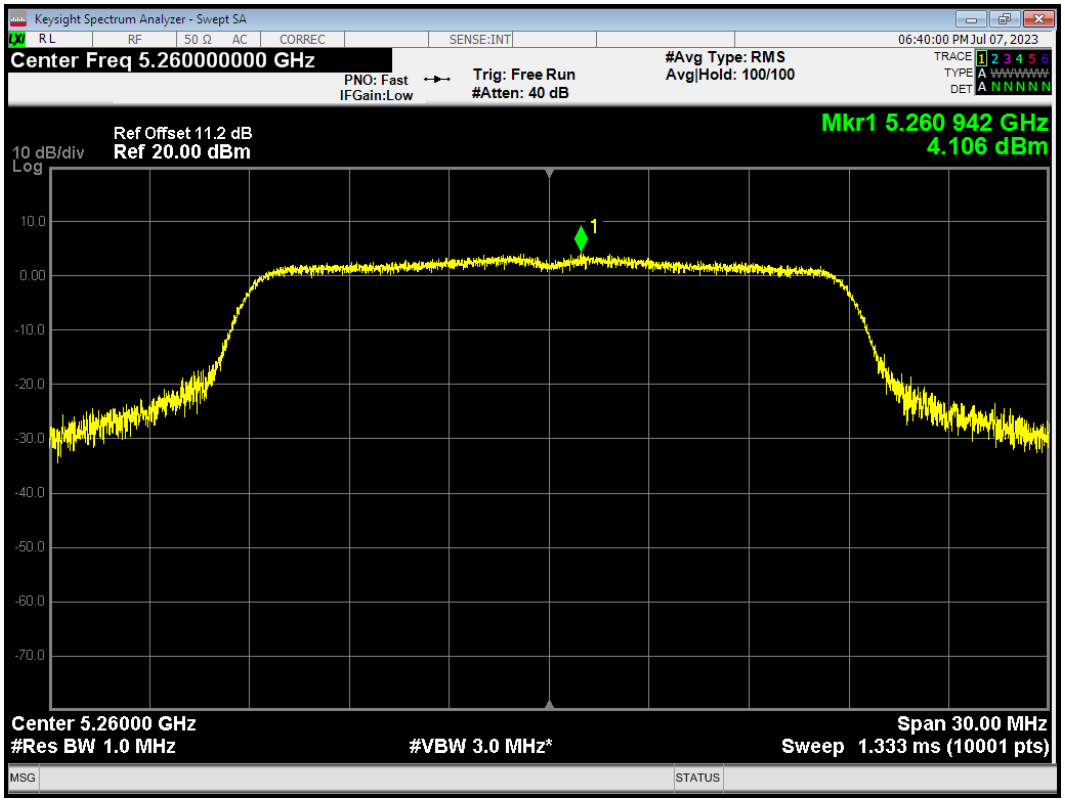
PSD 802.11a 5300MHz



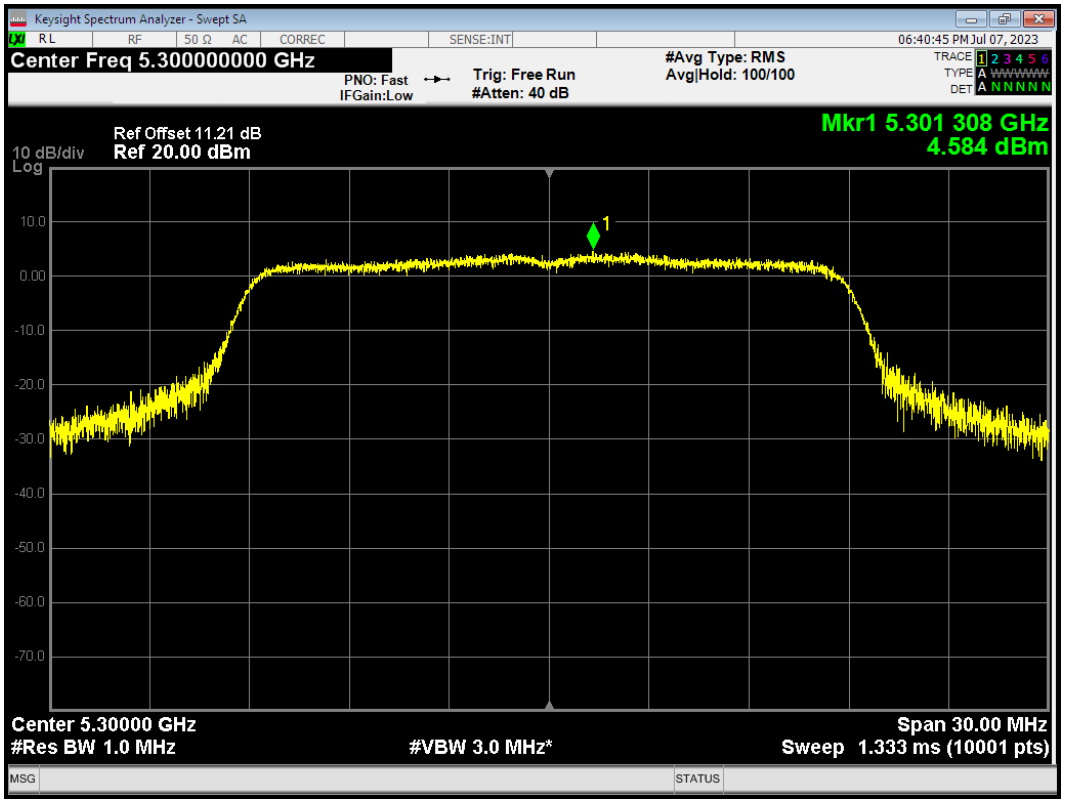
PSD 802.11a 5320MHz



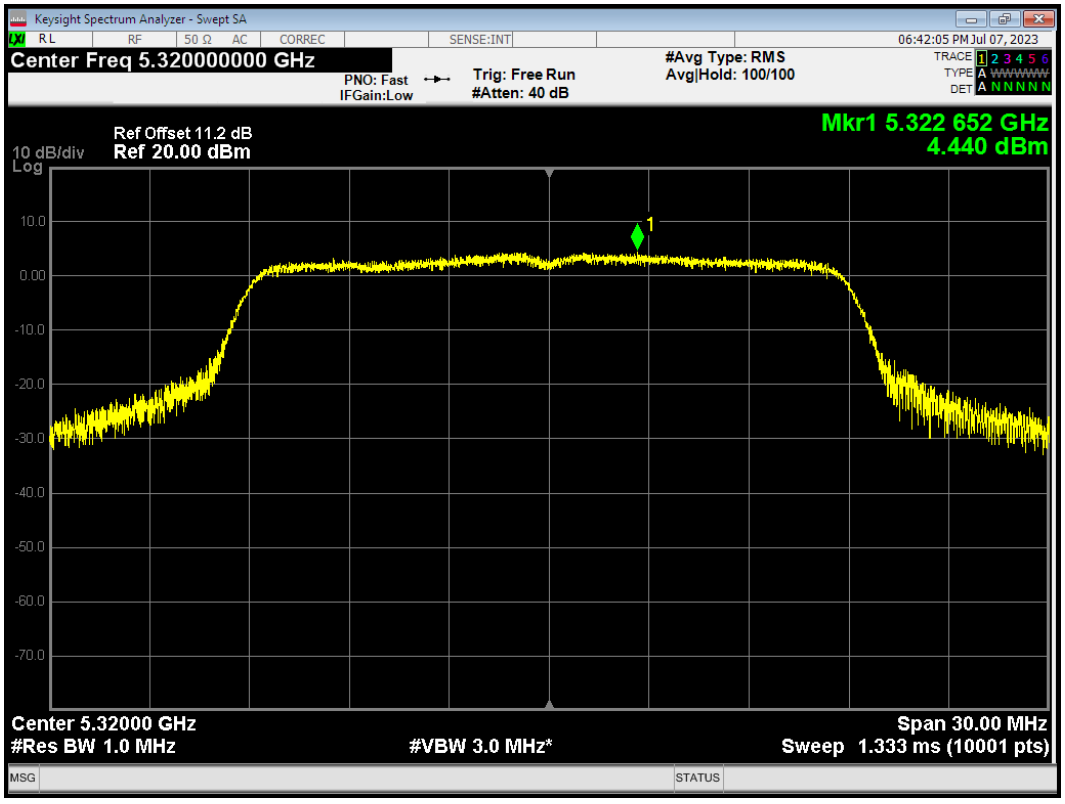
PSD 802.11ac(VHT20) 5260MHz



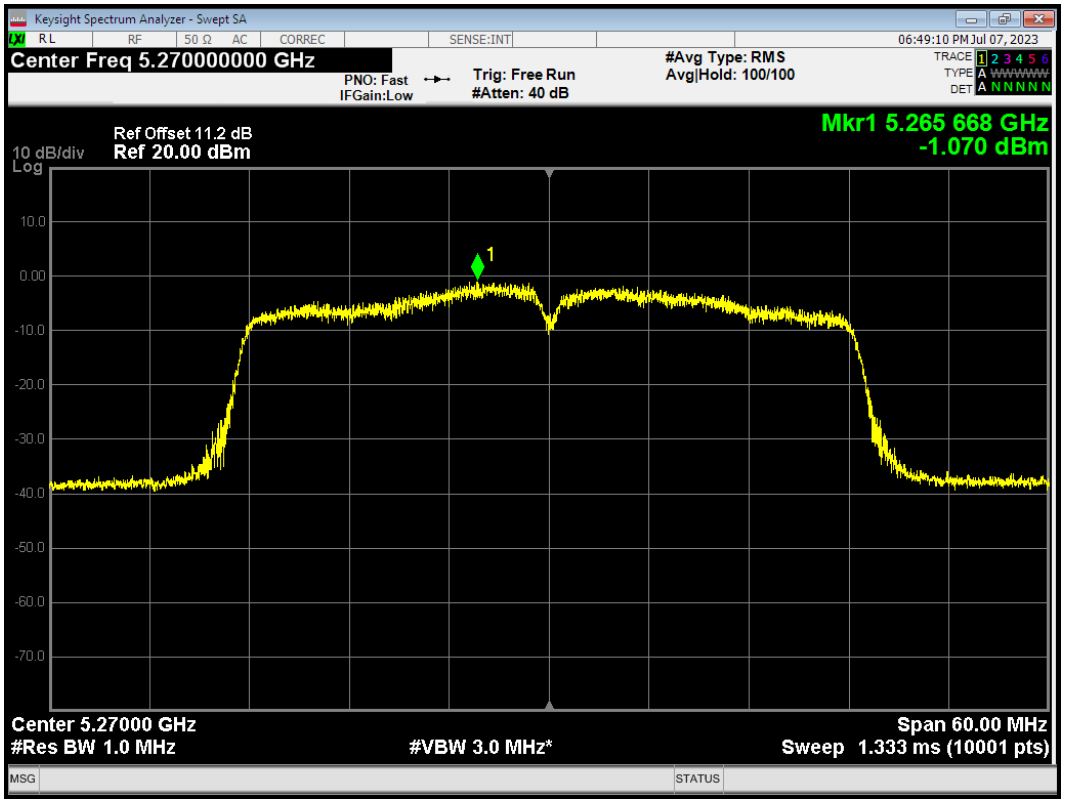
PSD 802.11ac(VHT20) 5300MHz



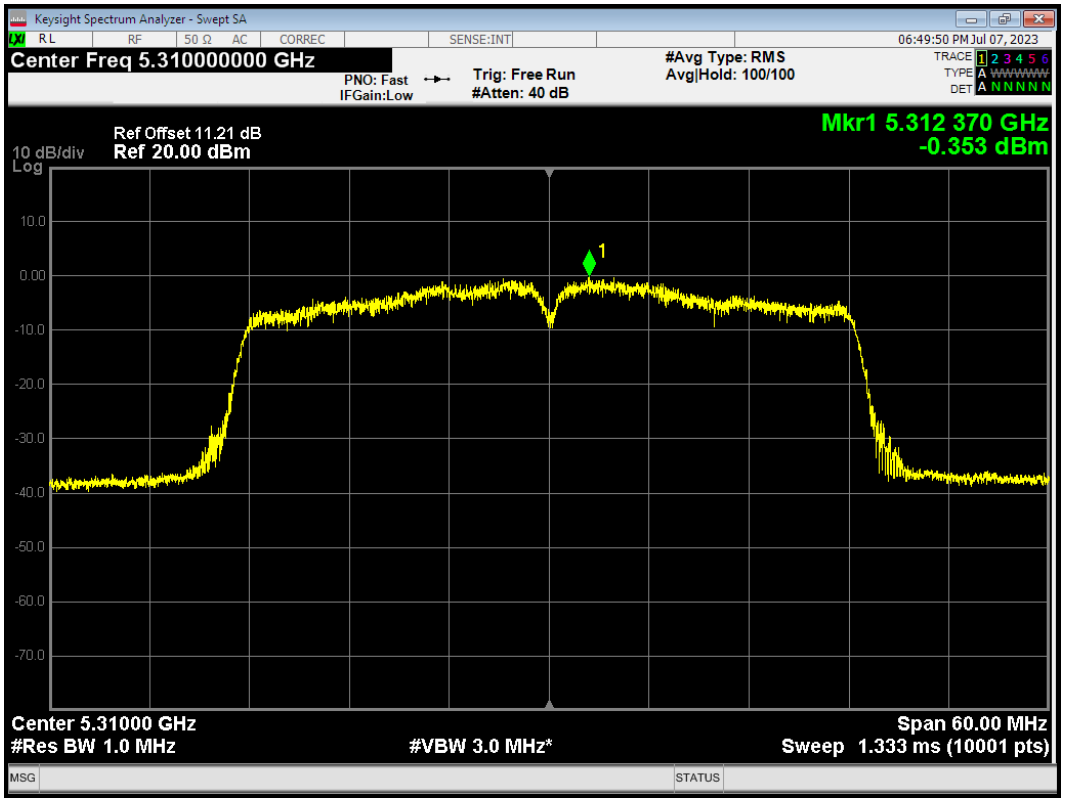
PSD 802.11ac(VHT20) 5320MHz



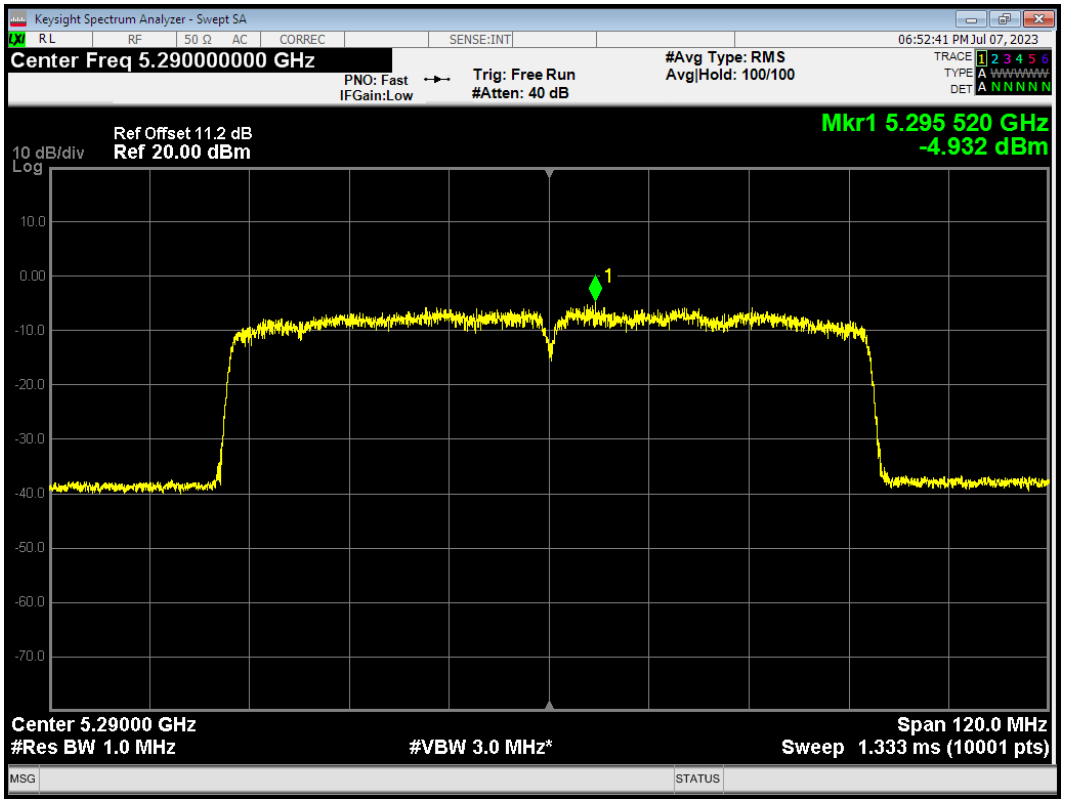
PSD 802.11ac(VHT40) 5270MHz



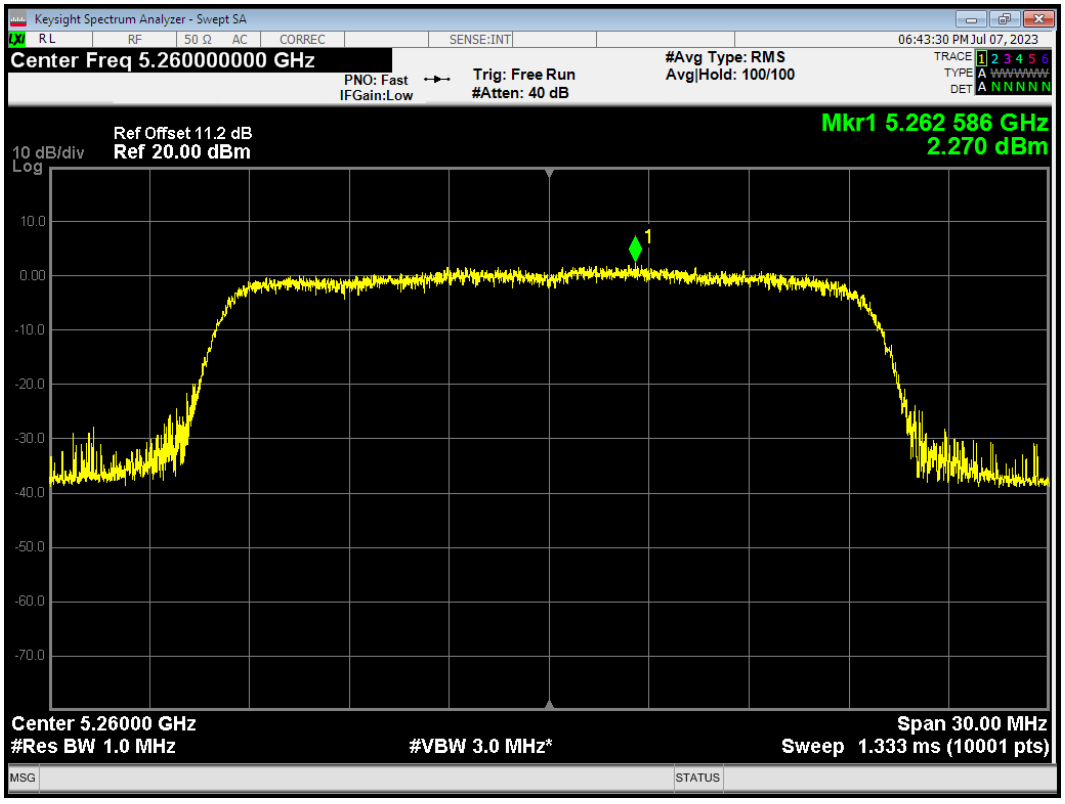
PSD 802.11ac(VHT40) 5310MHz



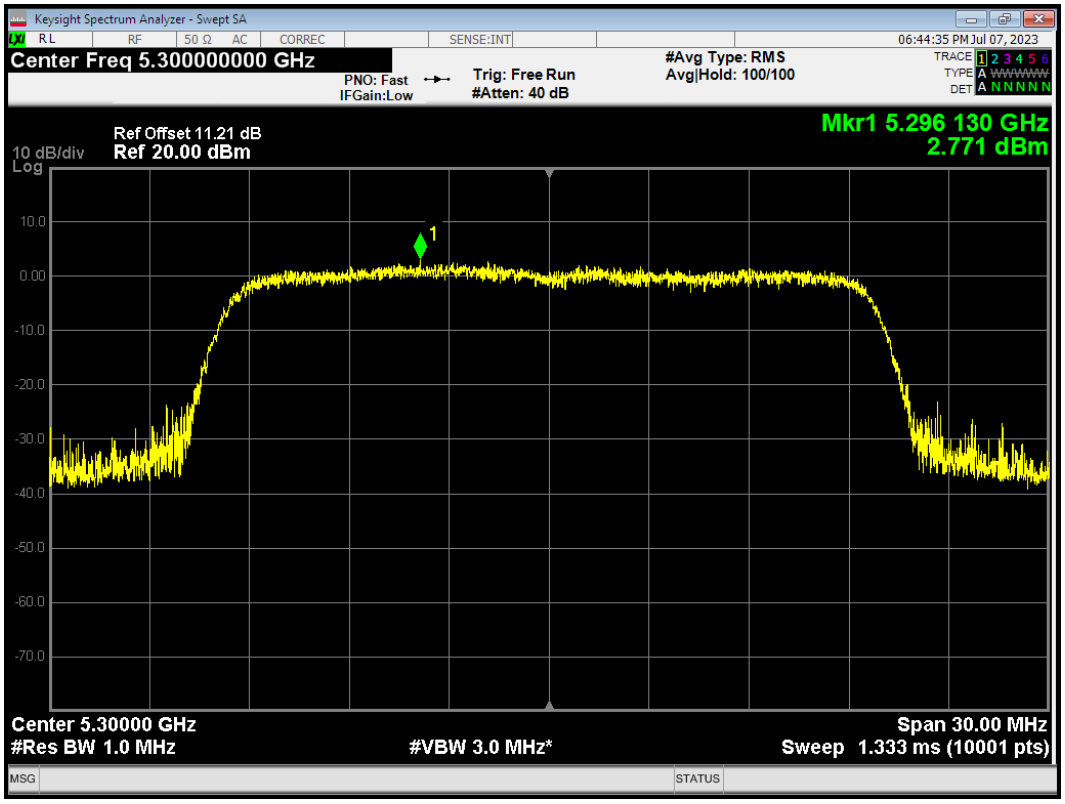
PSD 802.11ac(VHT80) 5290MHz



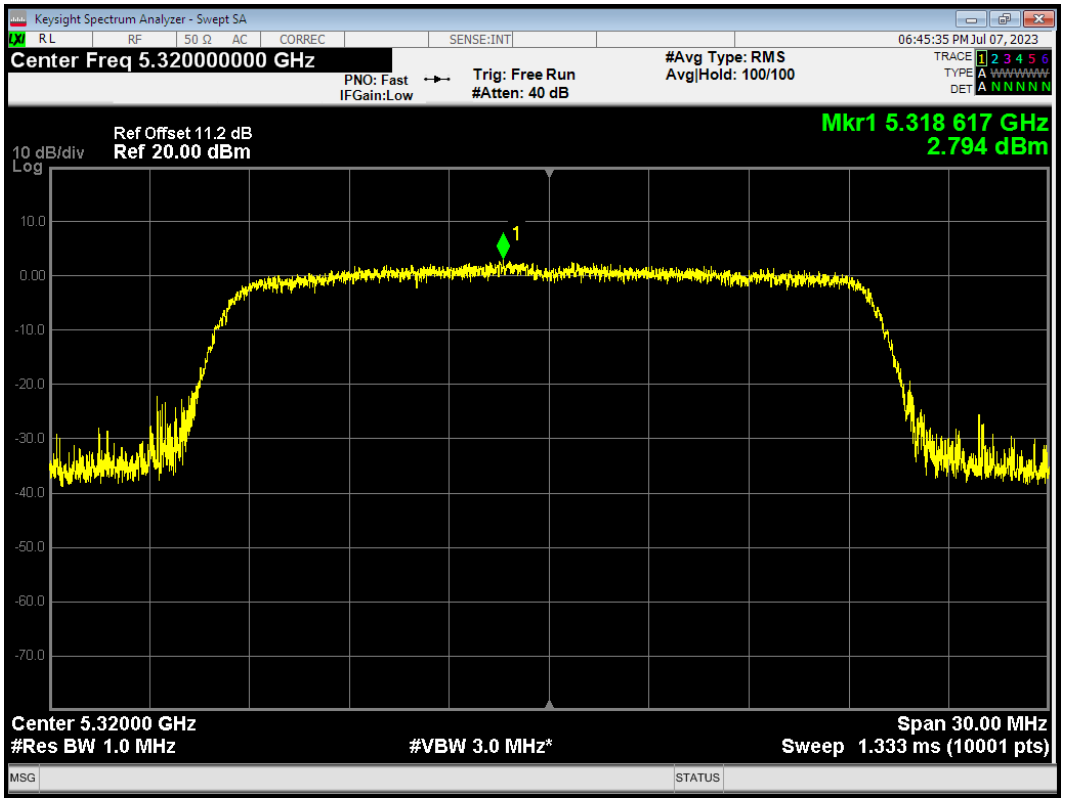
PSD 802.11ax(HE20) 5260MHz



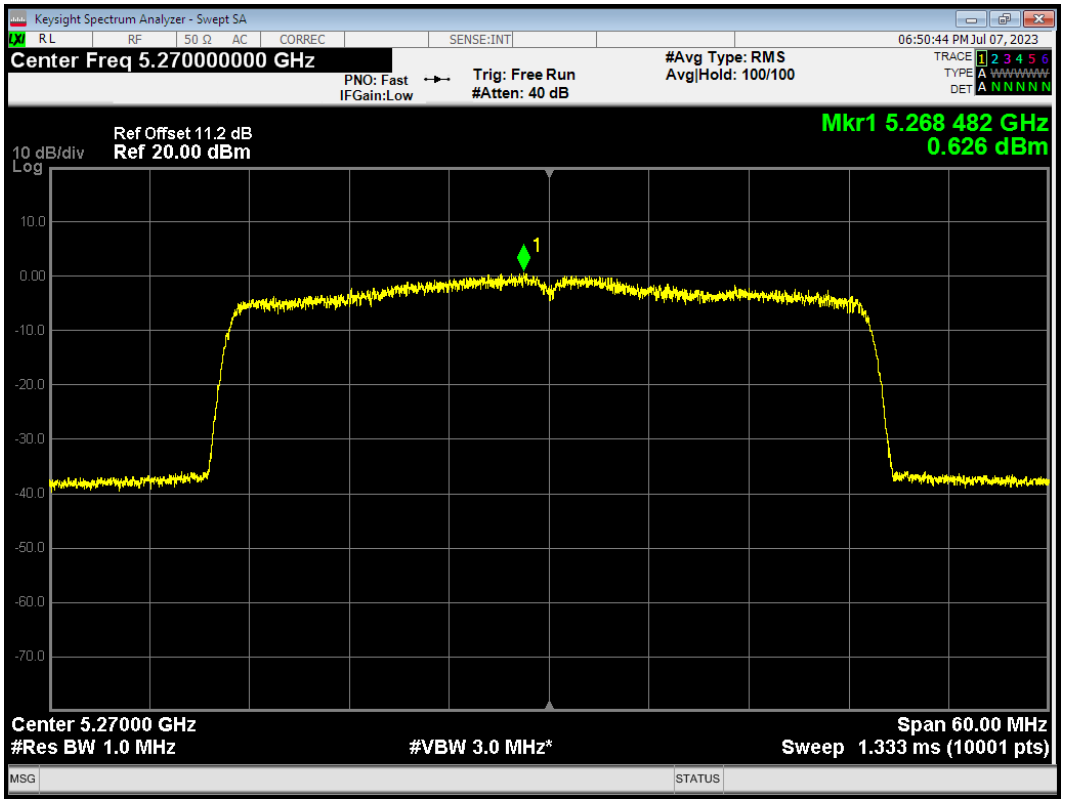
PSD 802.11ax(HE20) 5300MHz



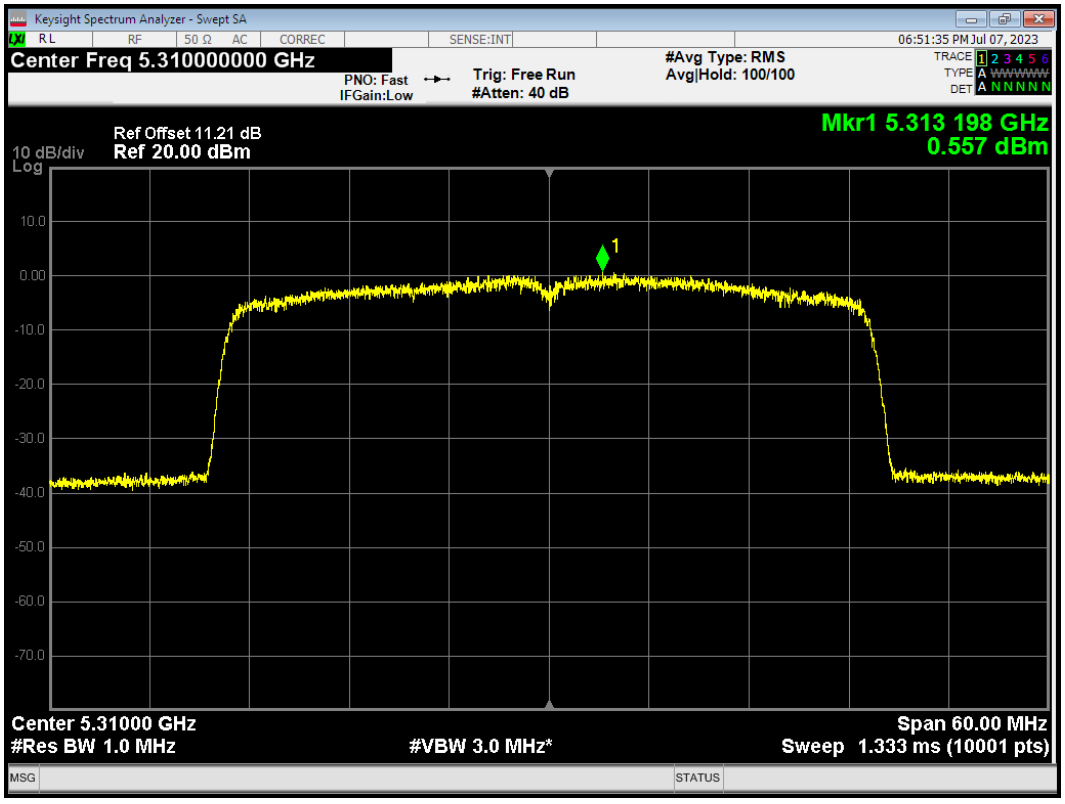
PSD 802.11ax(HE20) 5320MHz



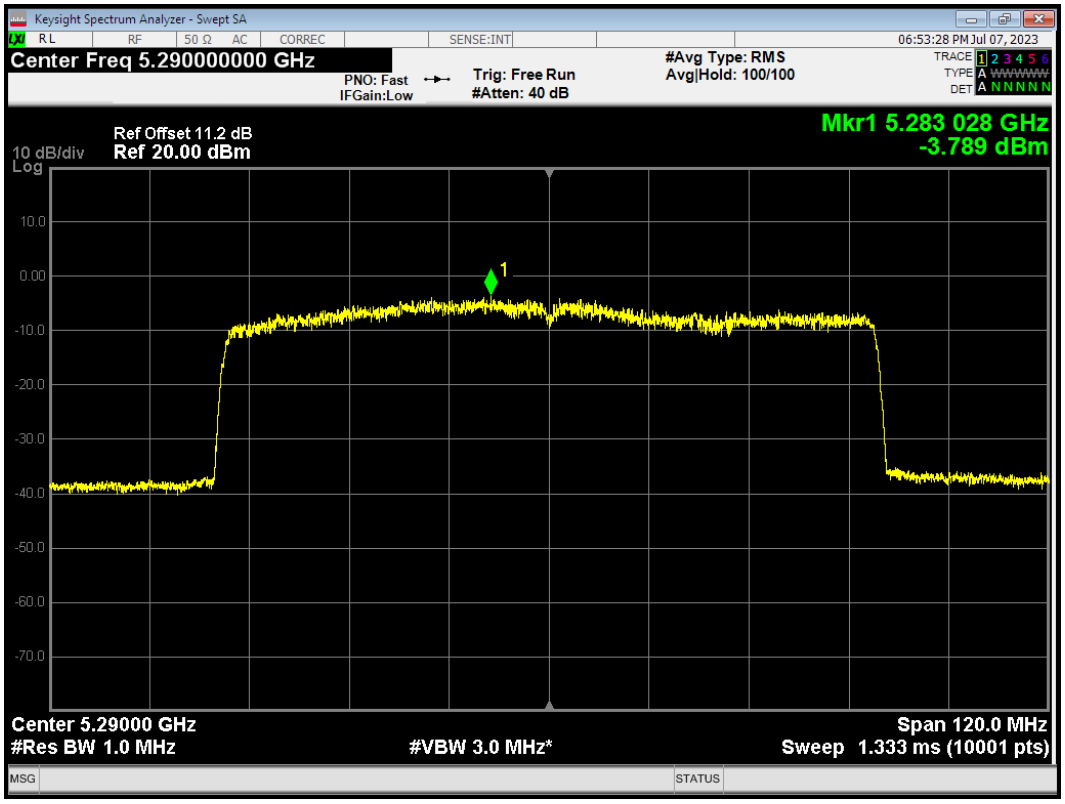
PSD 802.11ax(HE40) 5270MHz



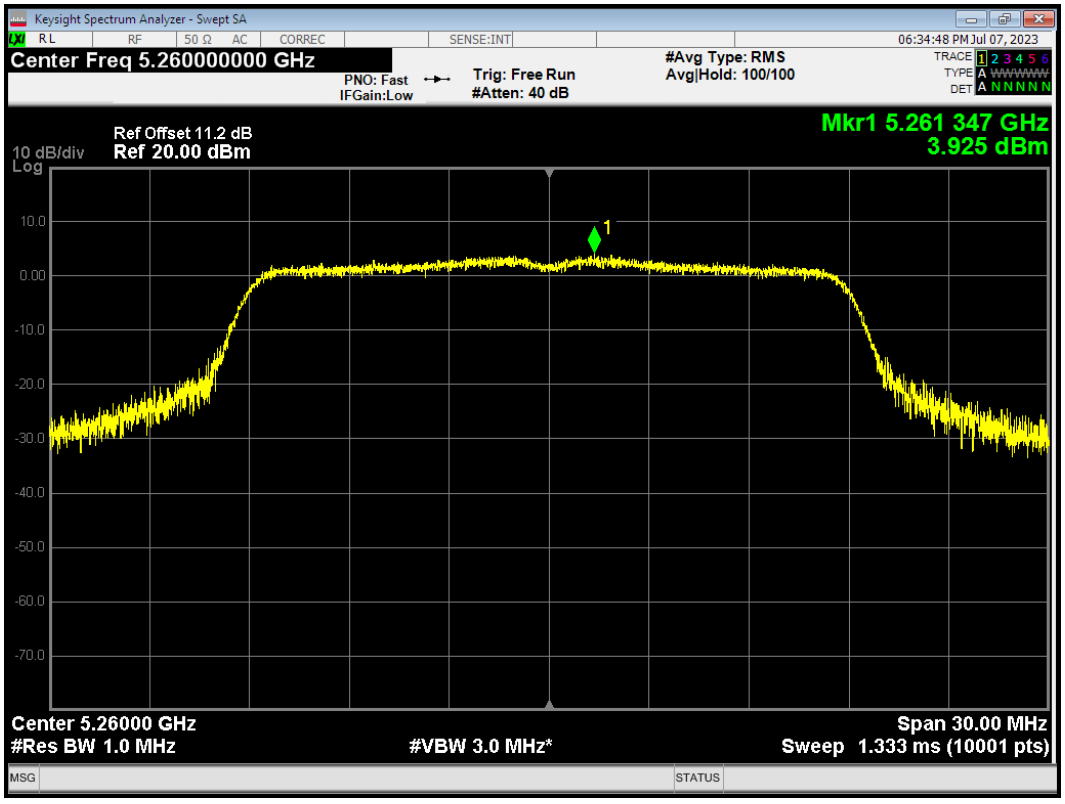
PSD 802.11ax(HE40) 5310MHz



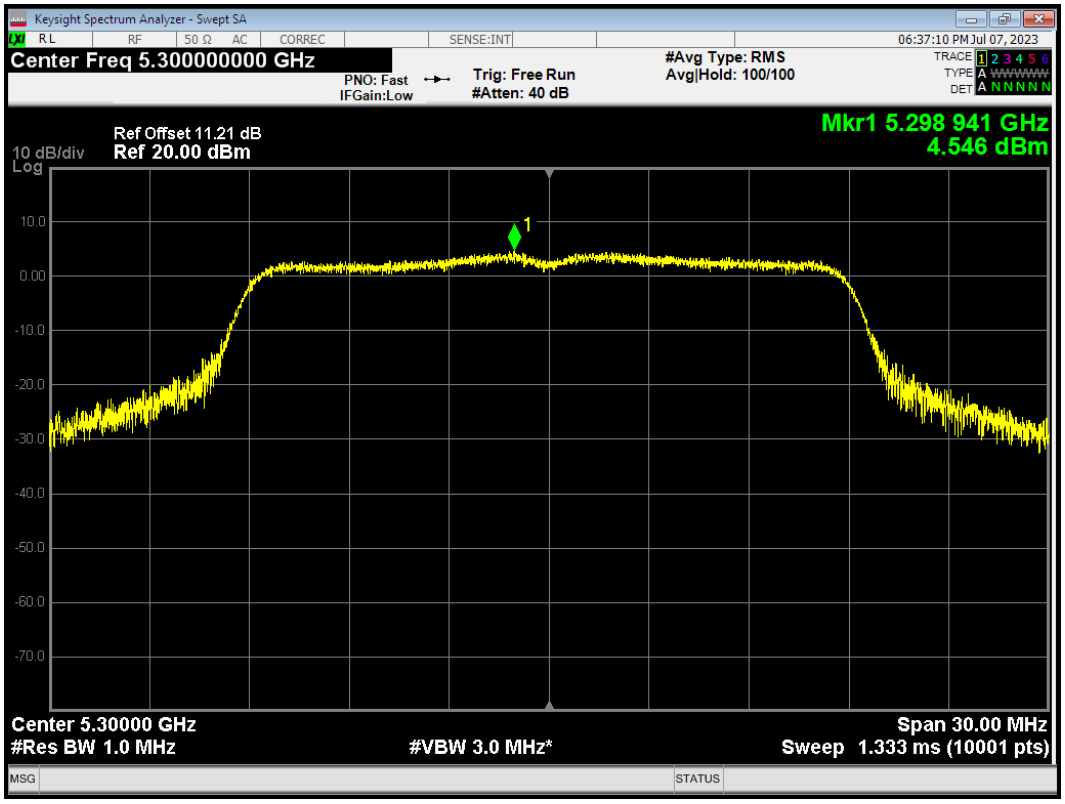
PSD 802.11ax(HE80) 5290MHz



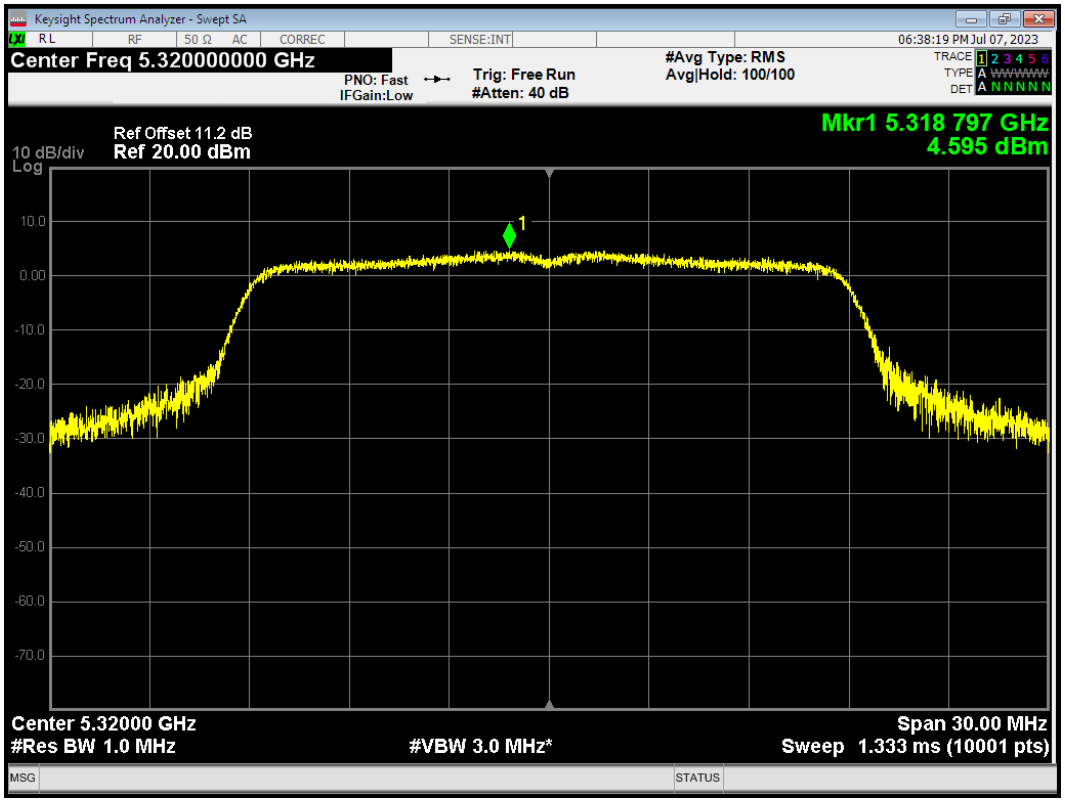
PSD 802.11n(HT20) 5260MHz



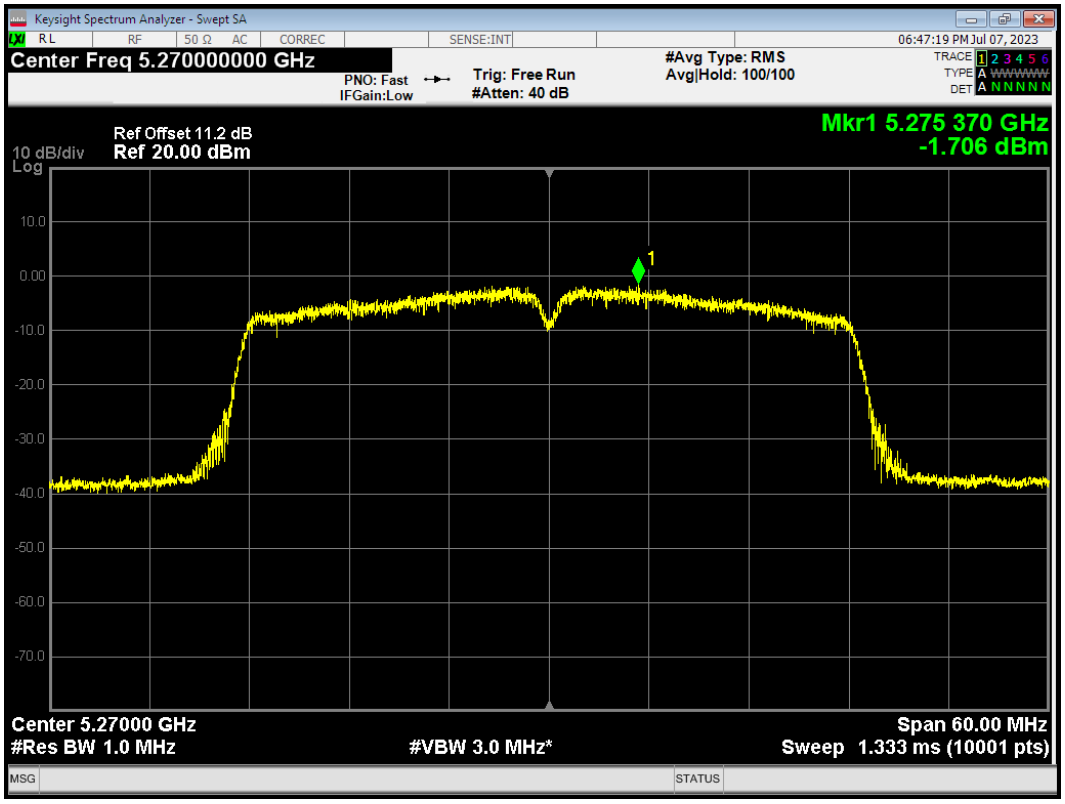
PSD 802.11n(HT20) 5300MHz



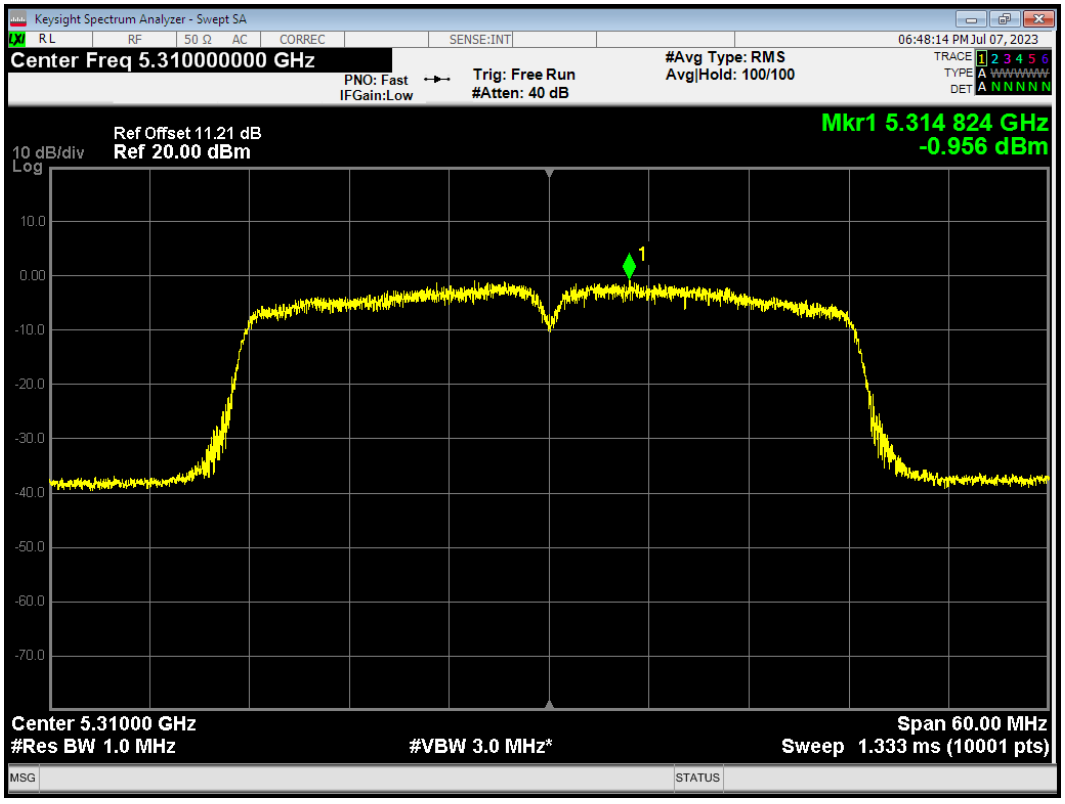
PSD 802.11n(HT20) 5320MHz



PSD 802.11n(HT40) 5270MHz

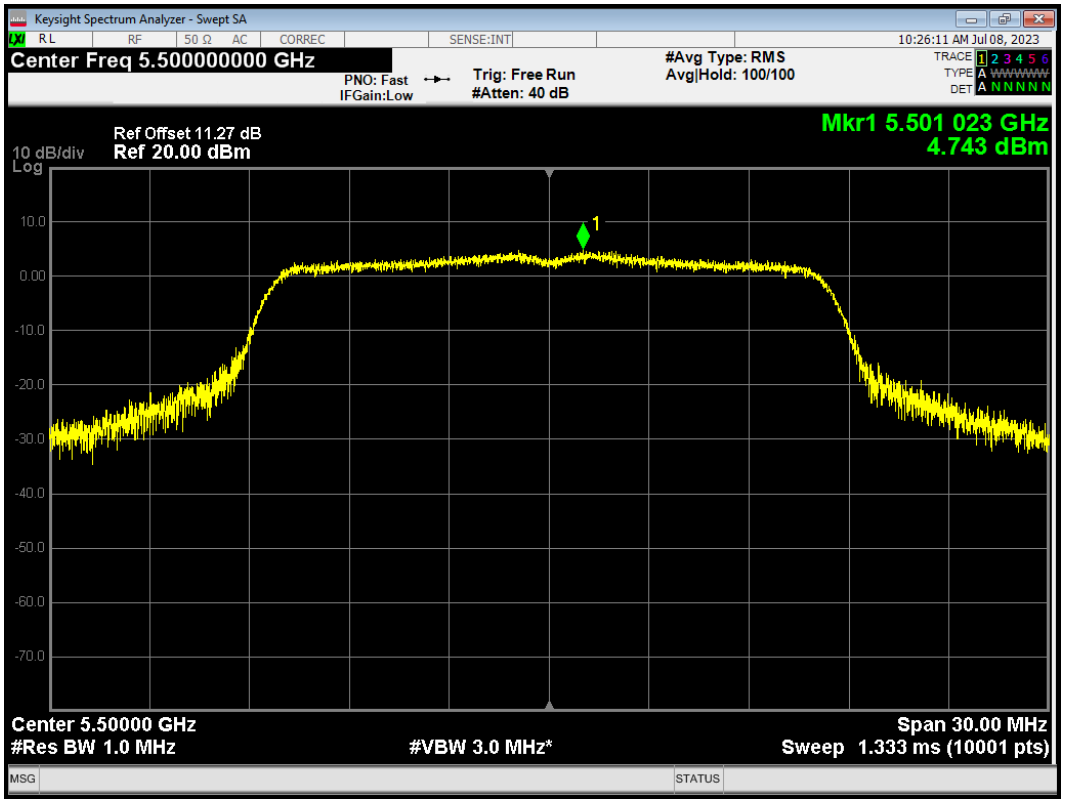


PSD 802.11n(HT40) 5310MHz

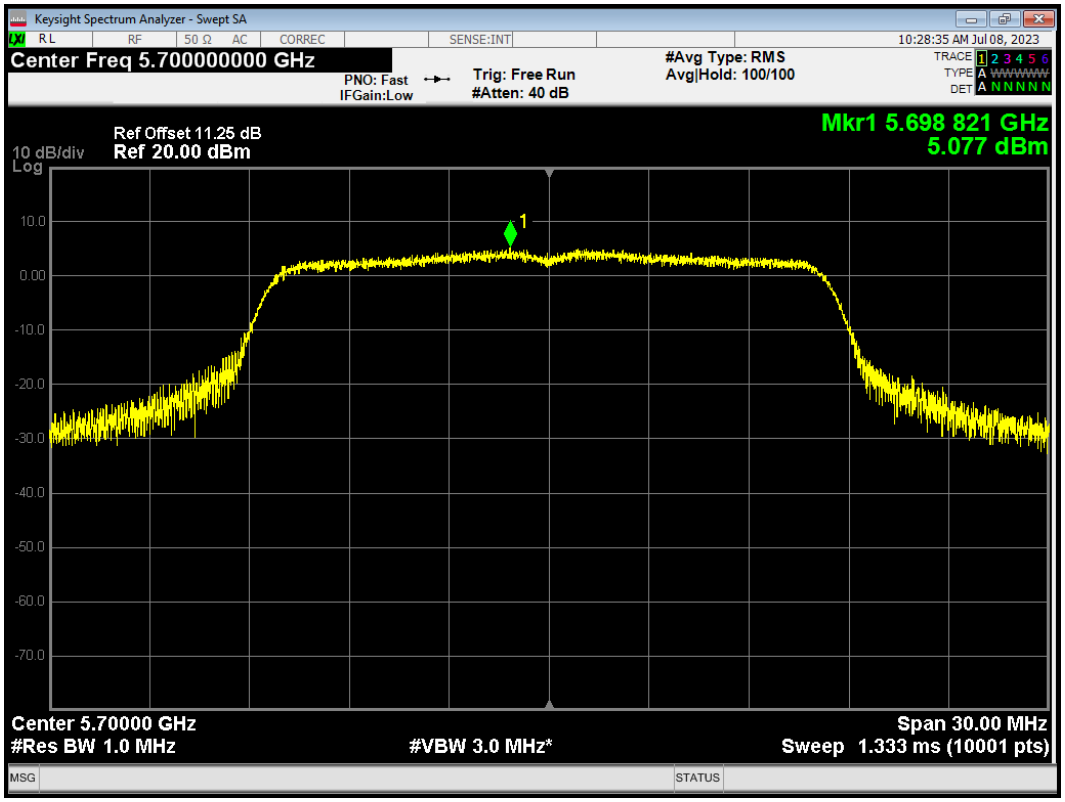


U-NII-2C

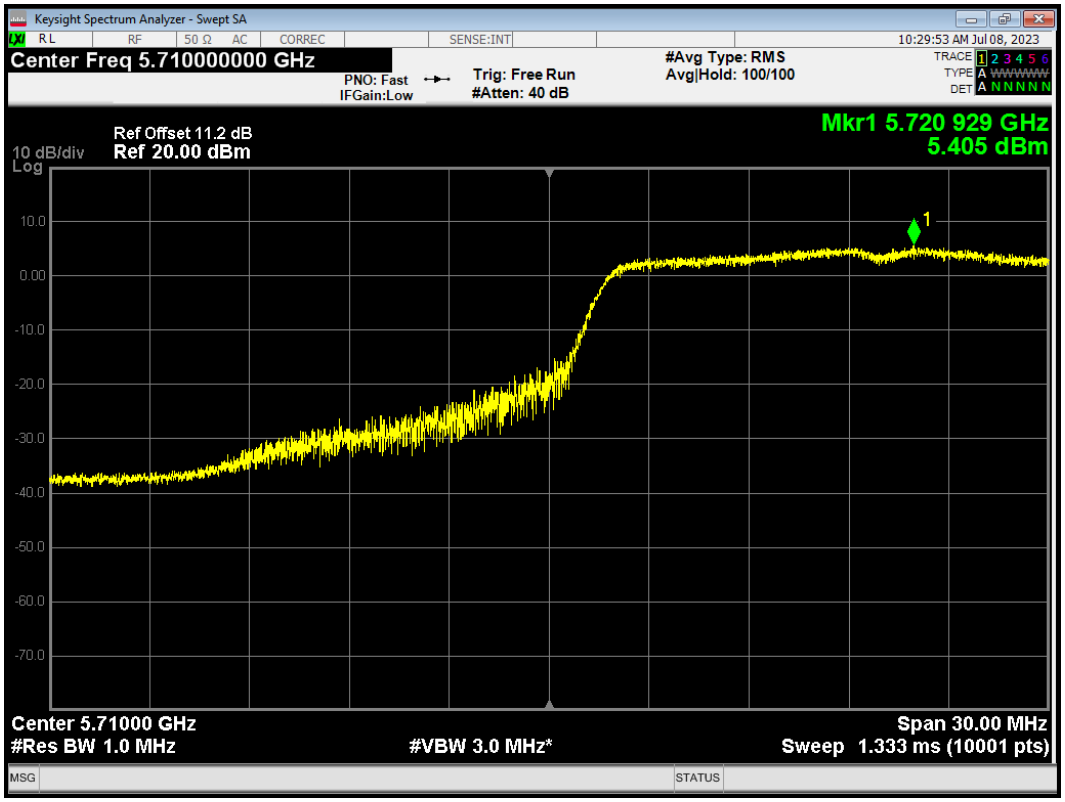
PSD 802.11a 5500MHz



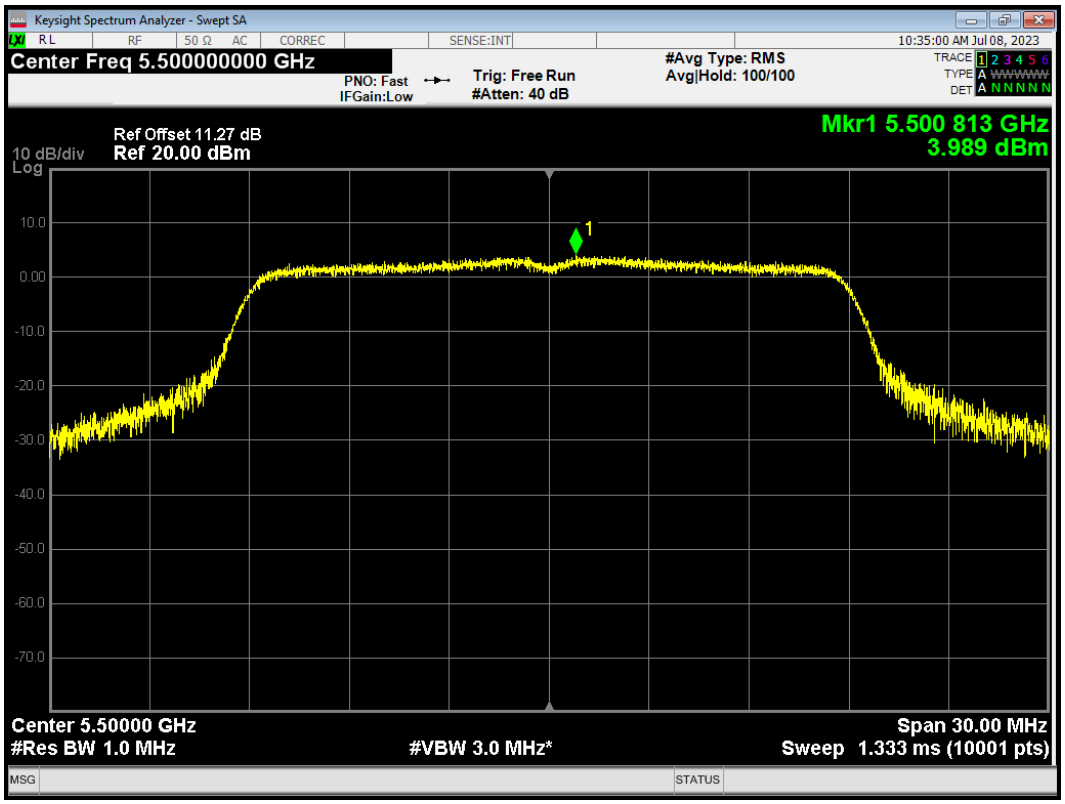
PSD 802.11a 5700MHz



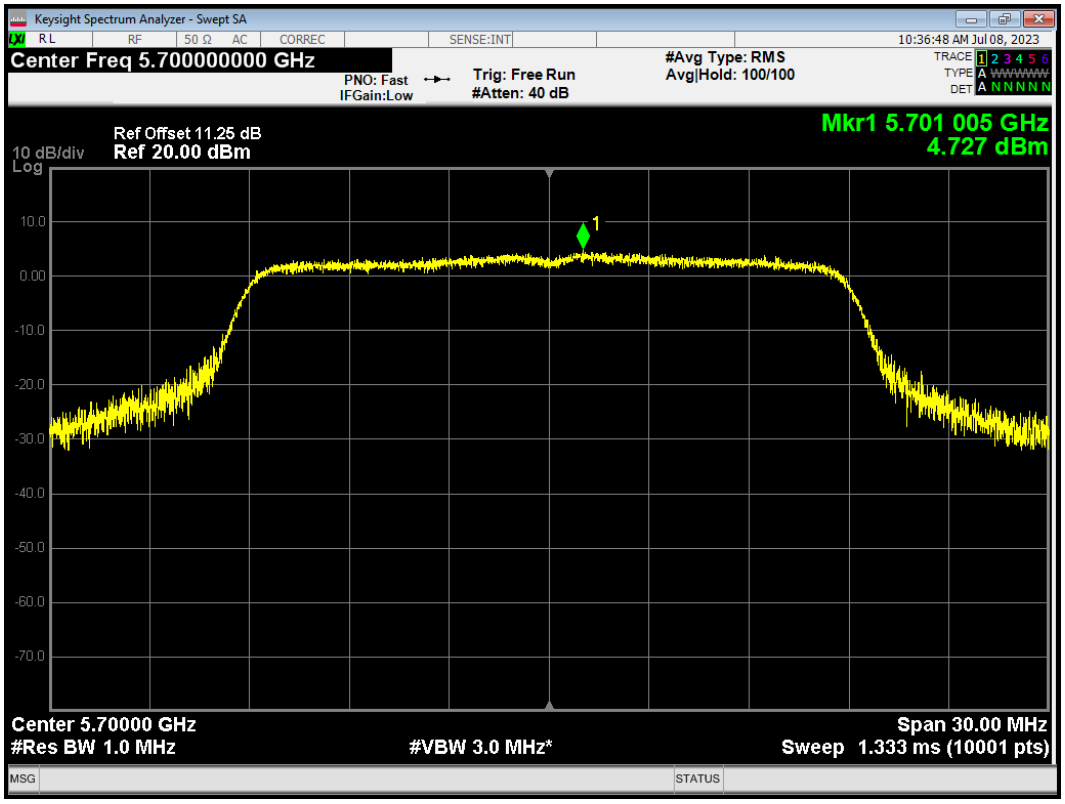
PSD 802.11a 5720MHz



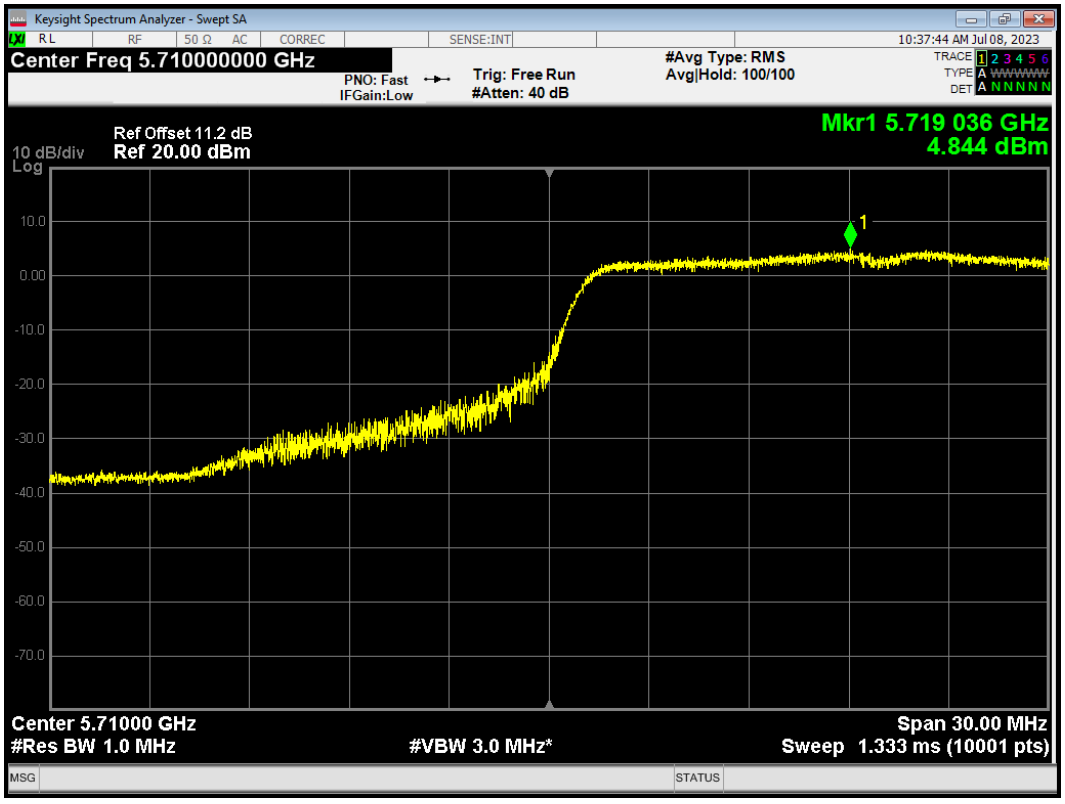
PSD 802.11ac(VHT20) 5500MHz



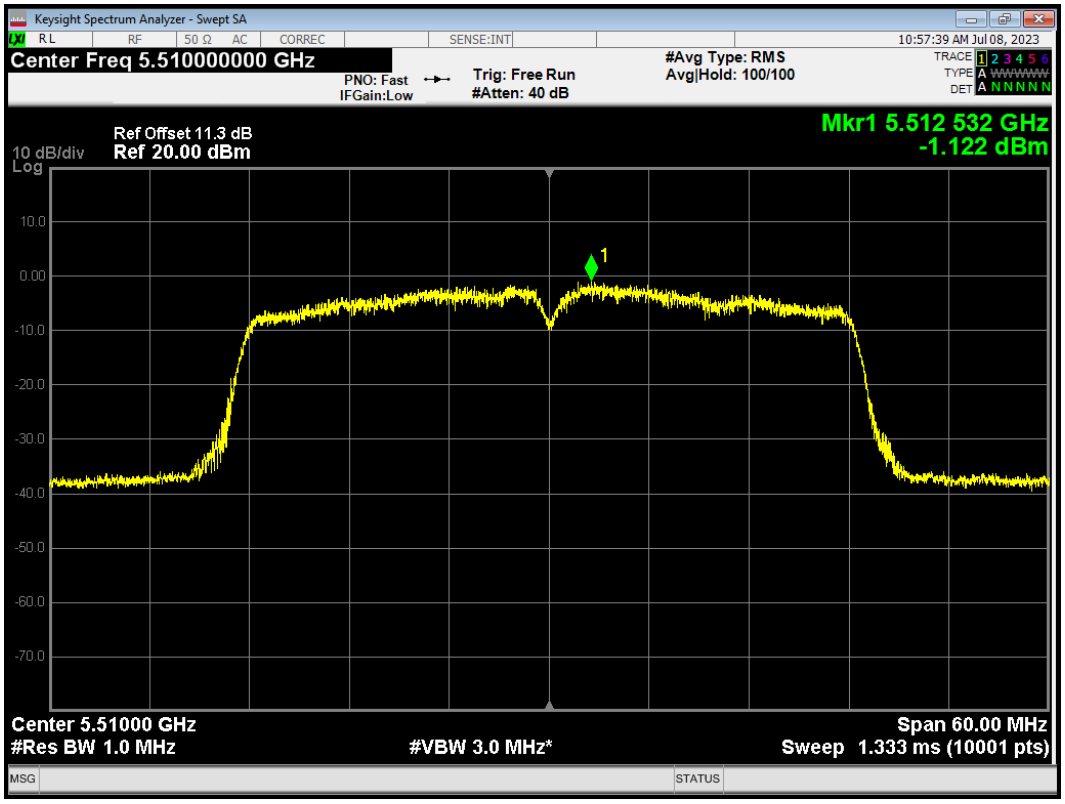
PSD 802.11ac(VHT20) 5700MHz



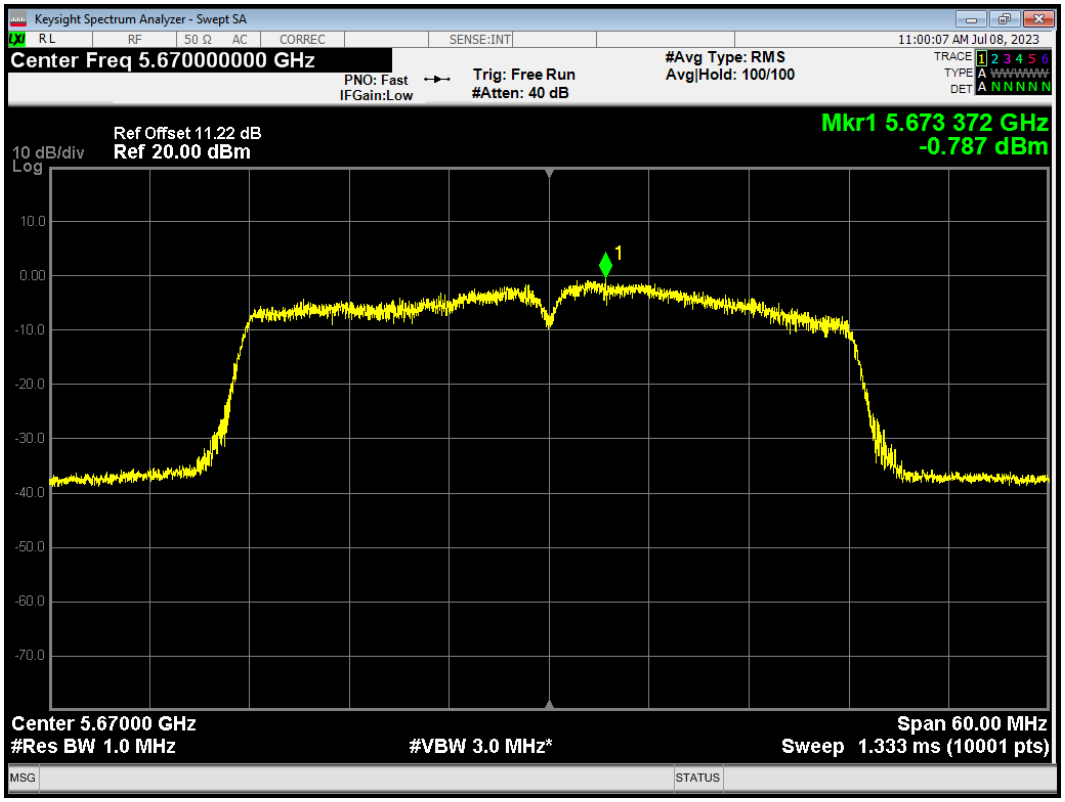
PSD 802.11ac(VHT20) 5720MHz



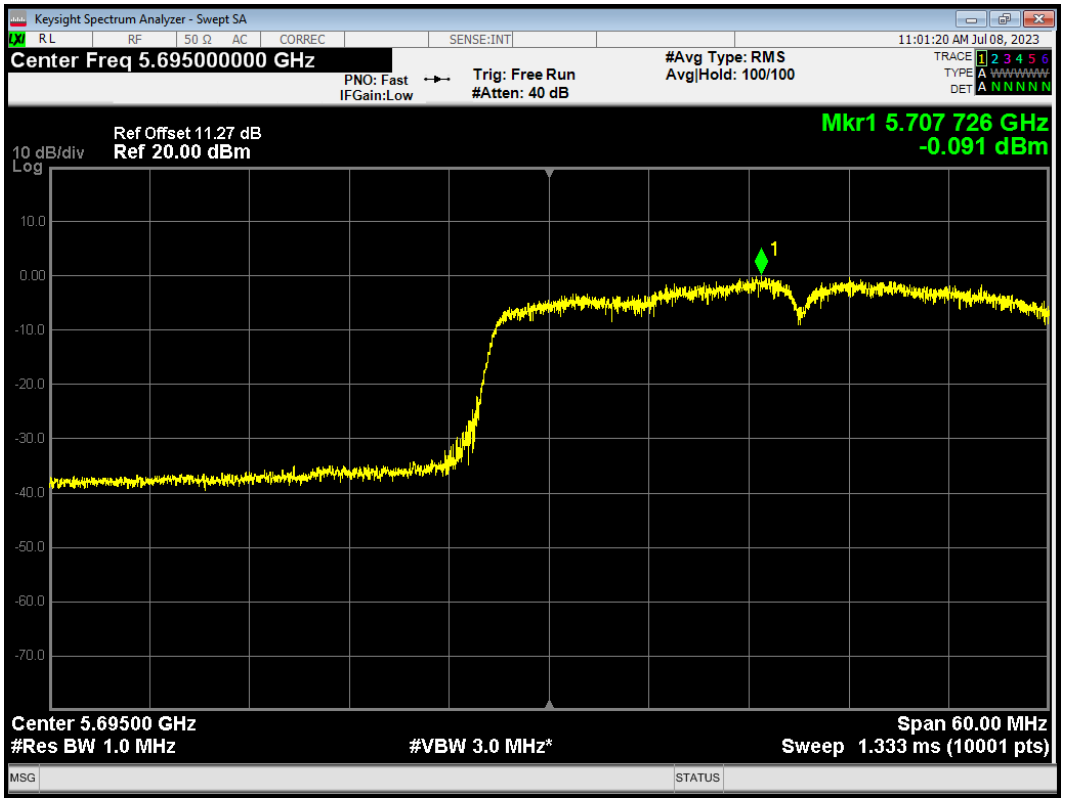
PSD 802.11ac(VHT40) 5510MHz



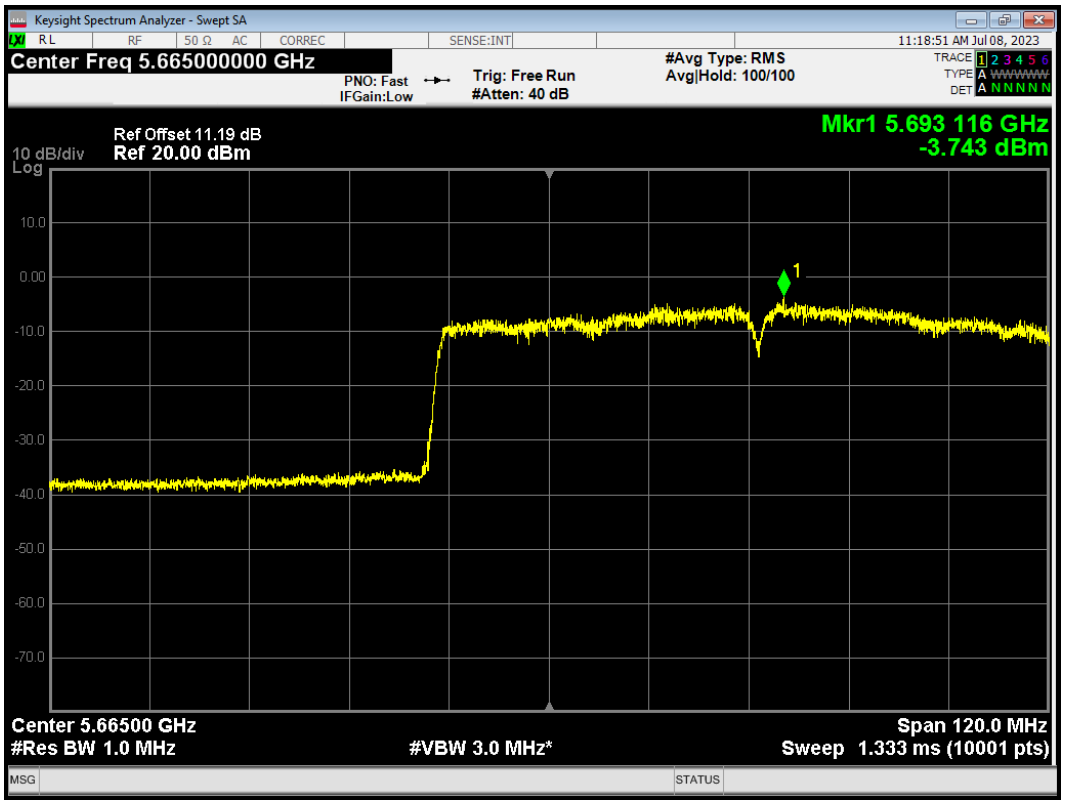
PSD 802.11ac(VHT40) 5670MHz



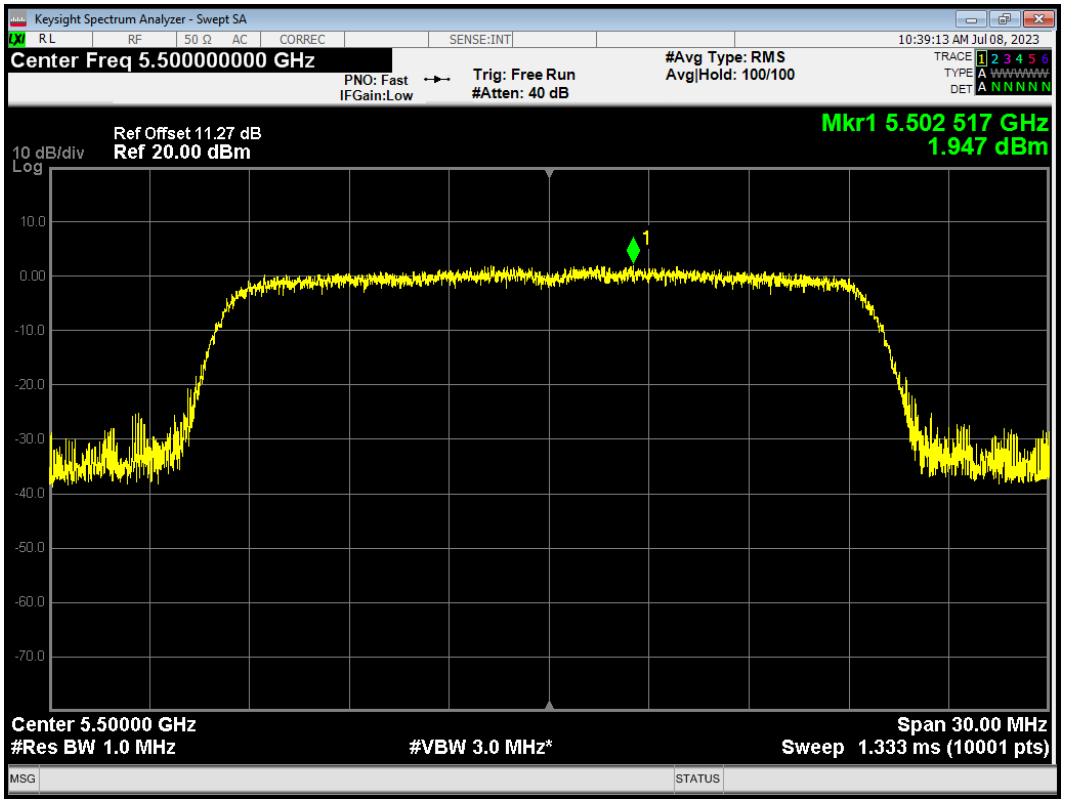
PSD 802.11ac(VHT40) 5710MHz



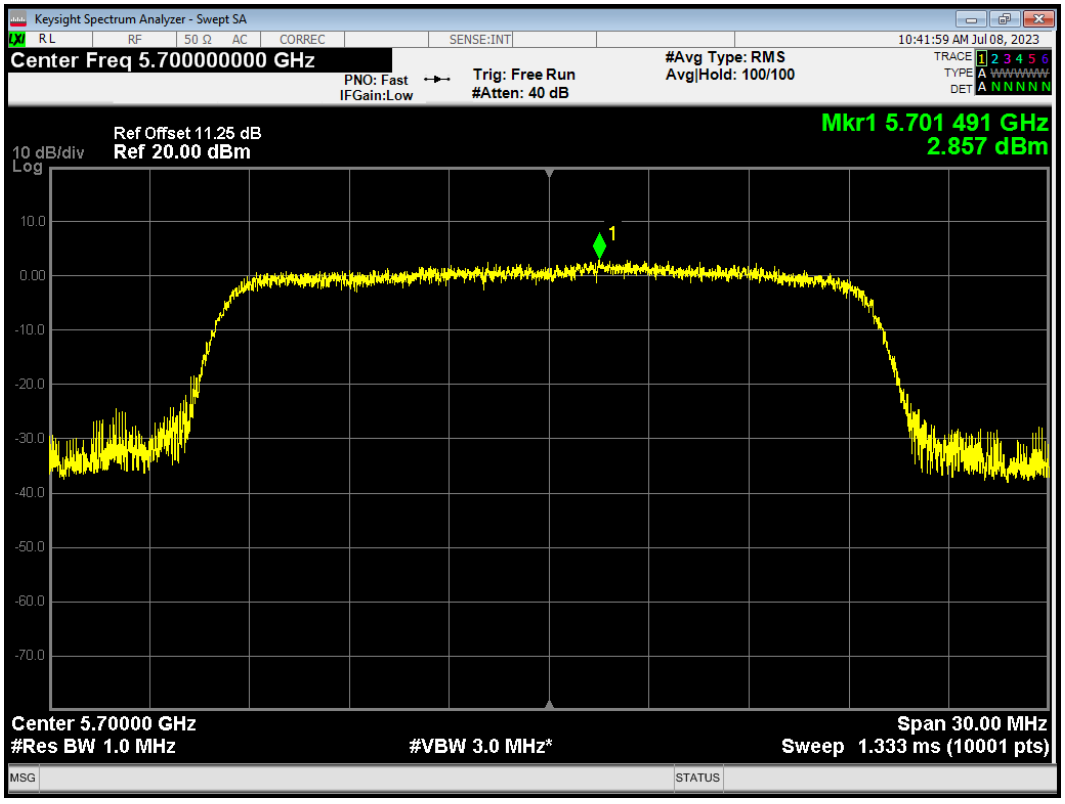
PSD 802.11ac(VHT80) 5690MHz



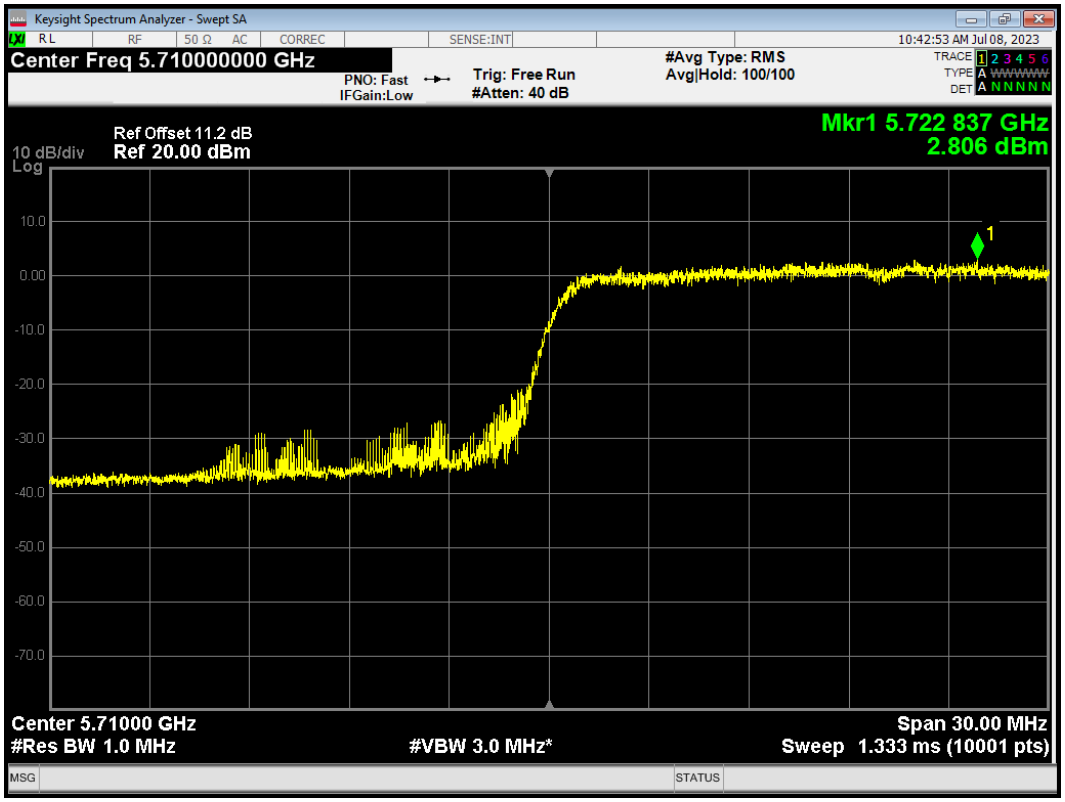
PSD 802.11ax(HE20) 5500MHz



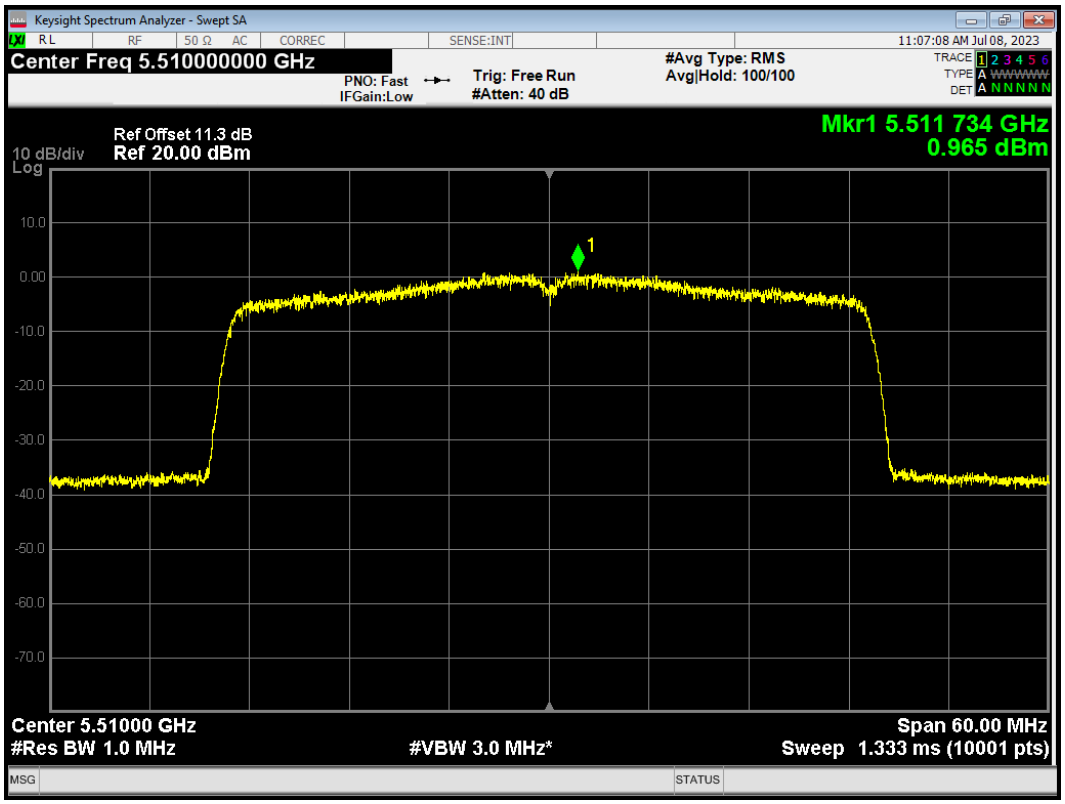
PSD 802.11ax(HE20) 5700MHz



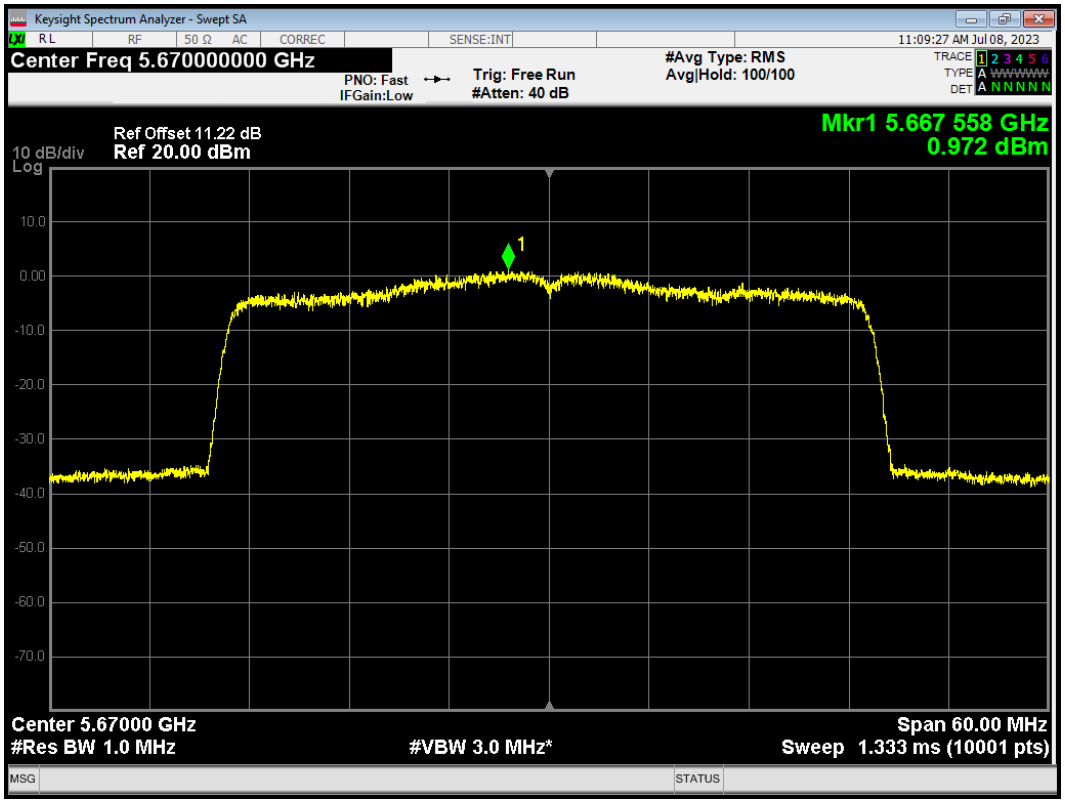
PSD 802.11ax(HE20) 5720MHz



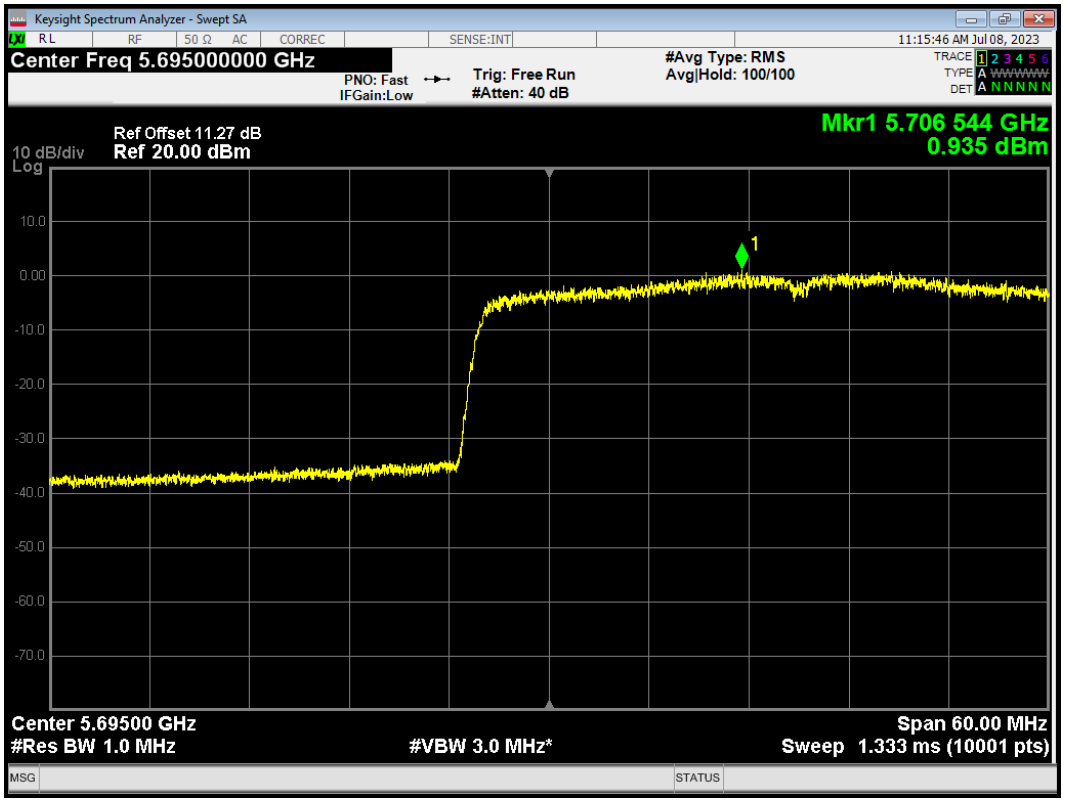
PSD 802.11ax(HE40) 5510MHz



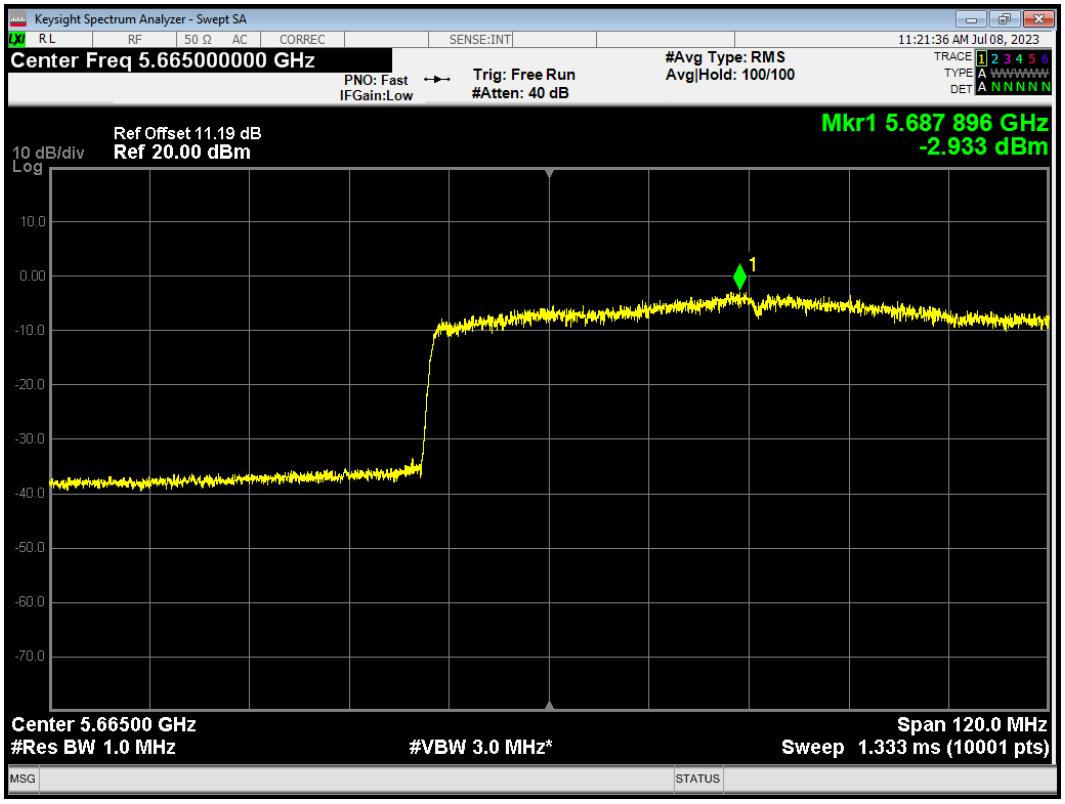
PSD 802.11ax(HE40) 5670MHz



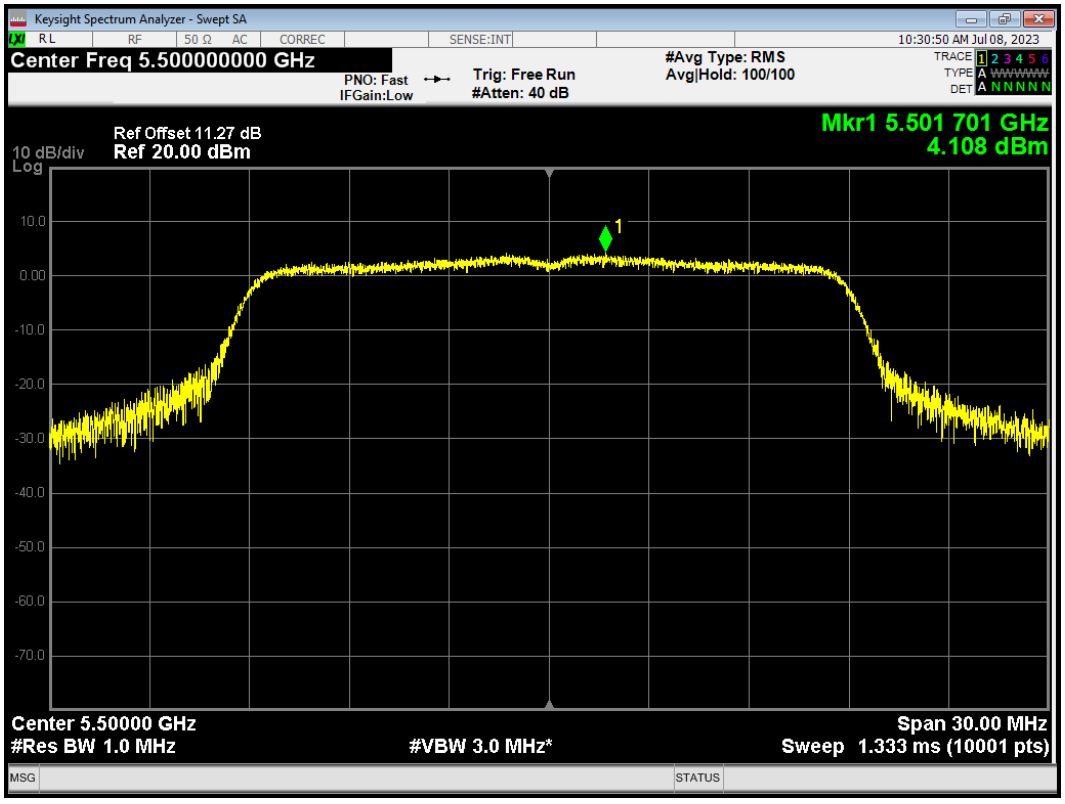
PSD 802.11ax(HE40) 5710MHz



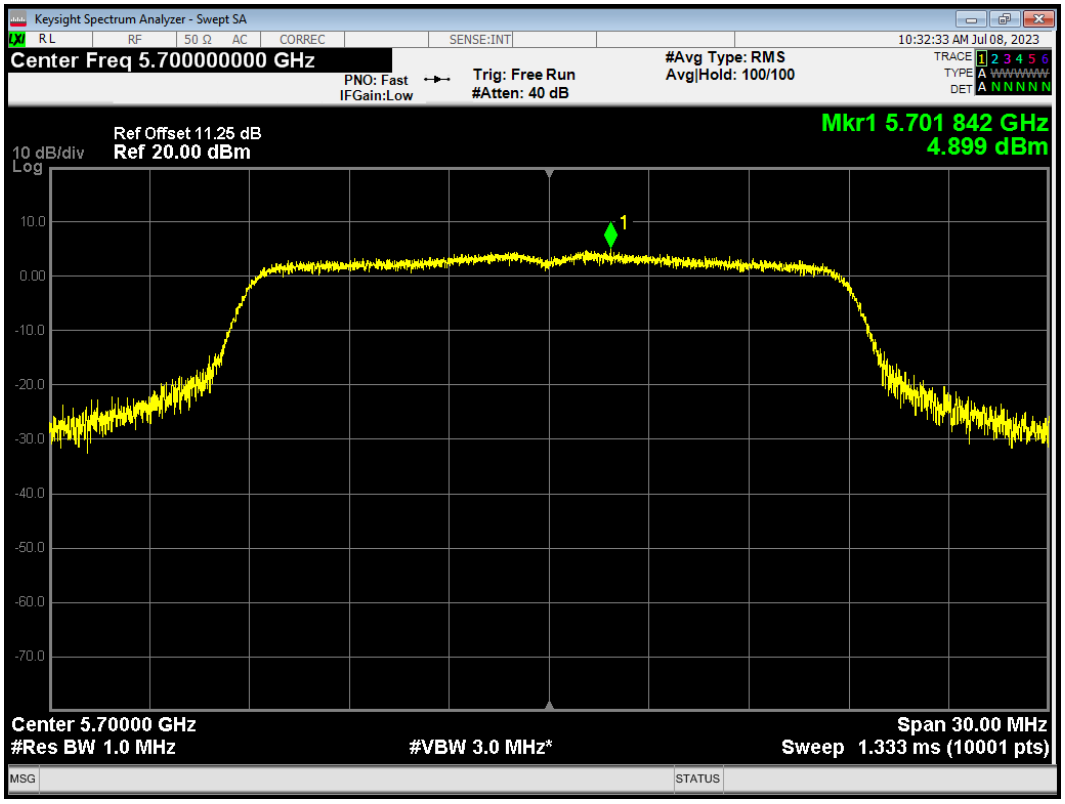
PSD 802.11ax(HE80) 5690MHz



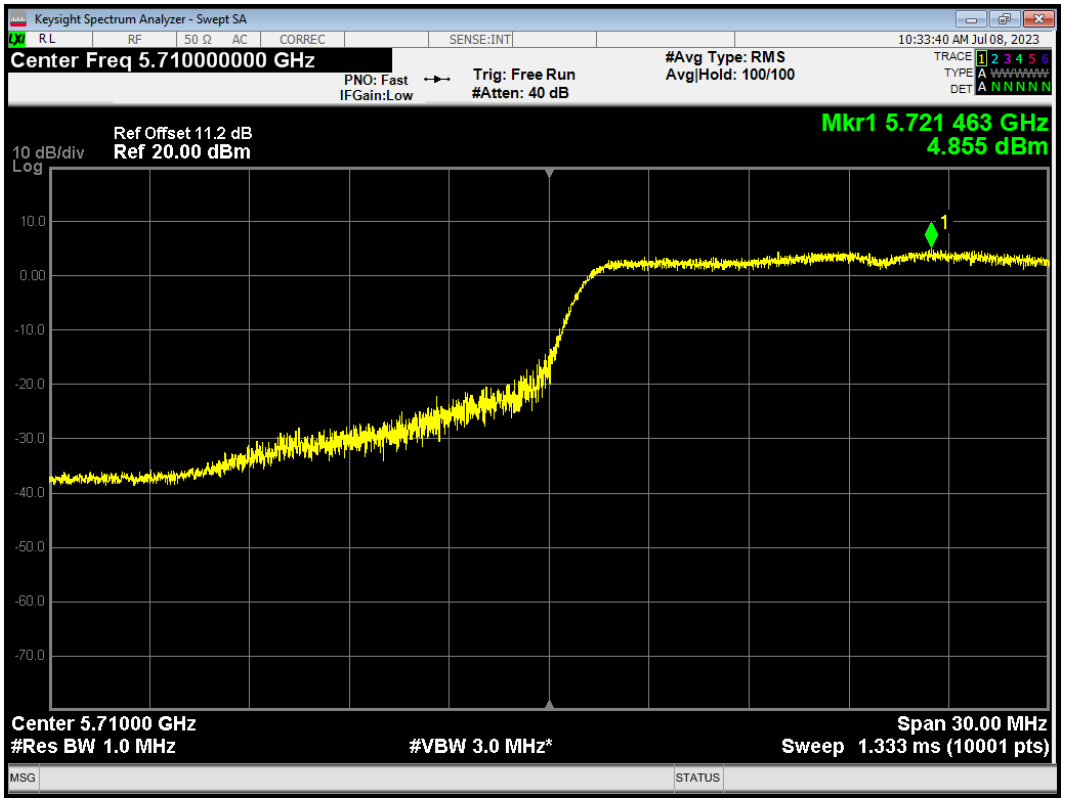
PSD 802.11n(HT20) 5500MHz



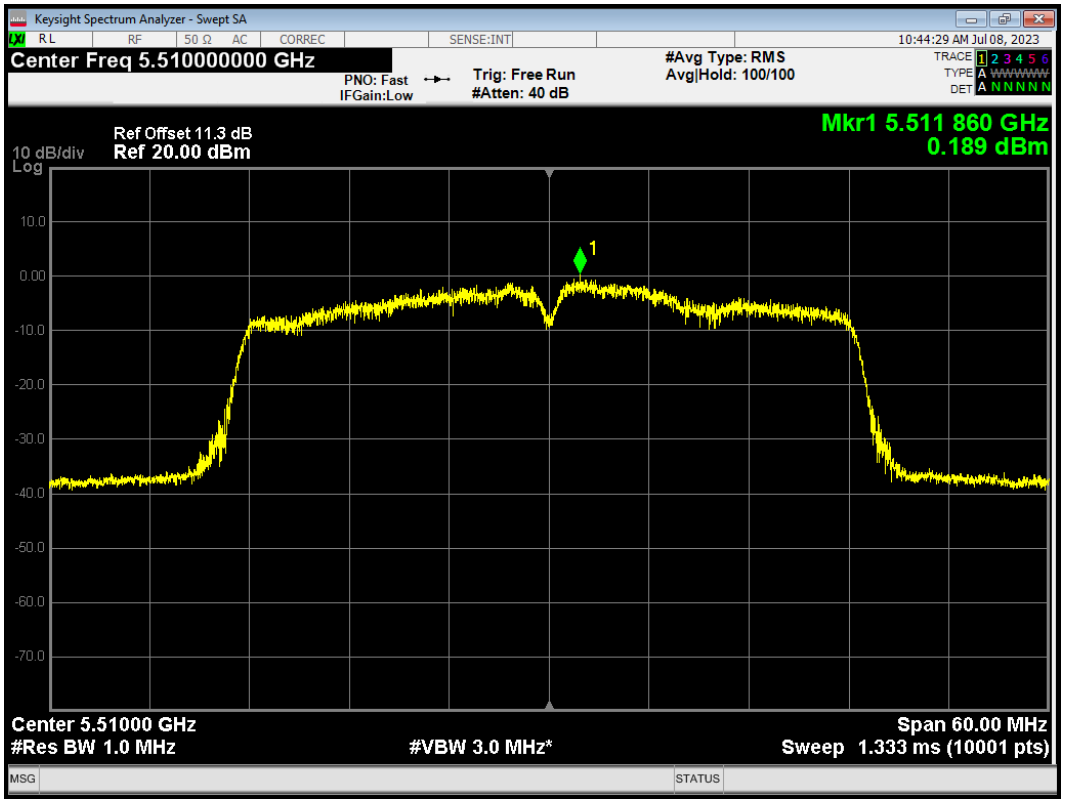
PSD 802.11n(HT20) 5700MHz



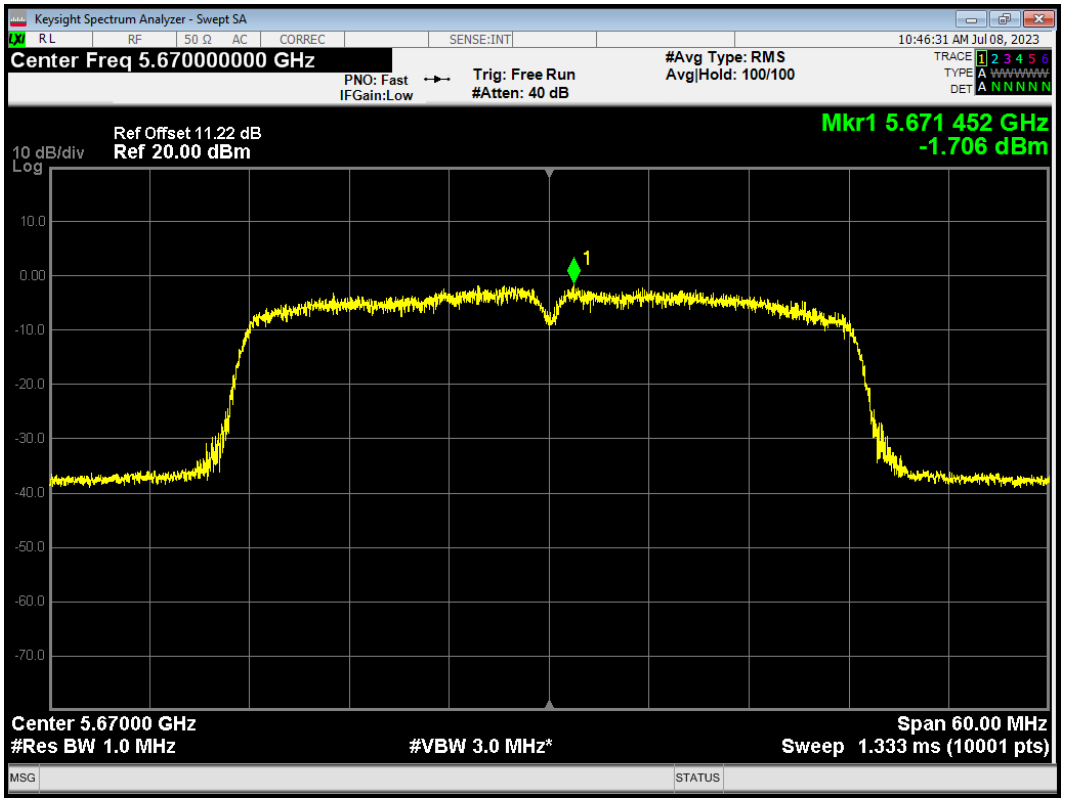
PSD 802.11n(HT20) 5720MHz



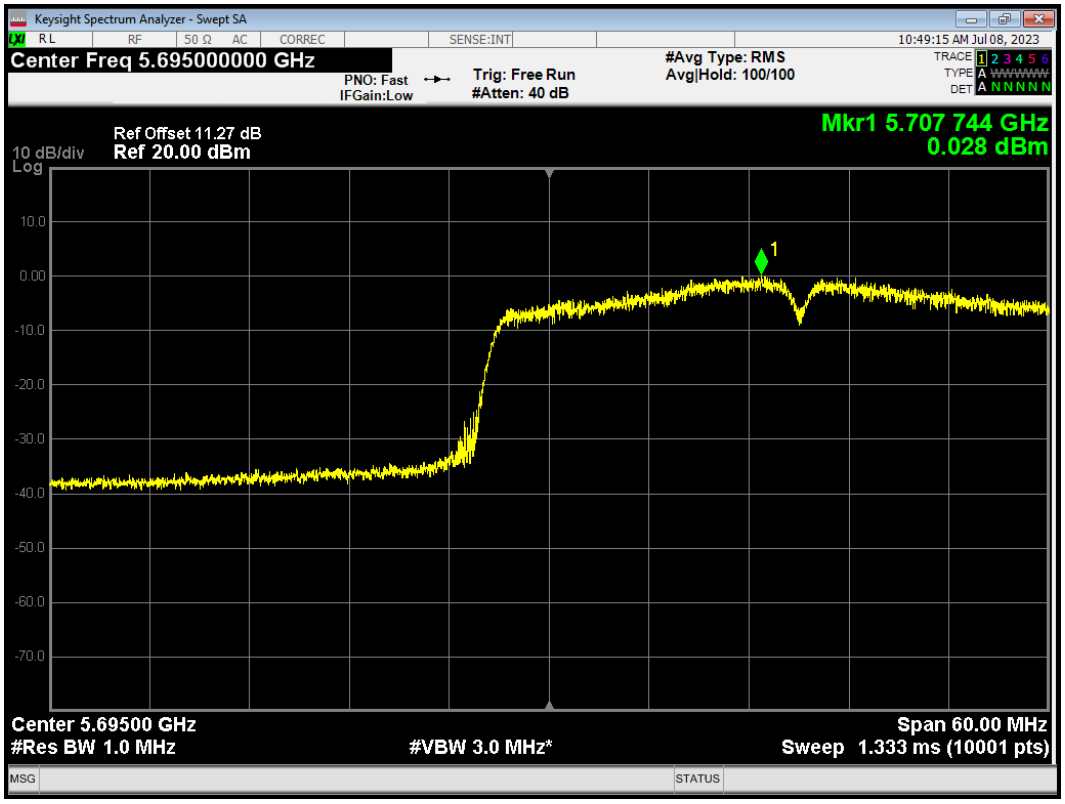
PSD 802.11n(HT40) 5510MHz



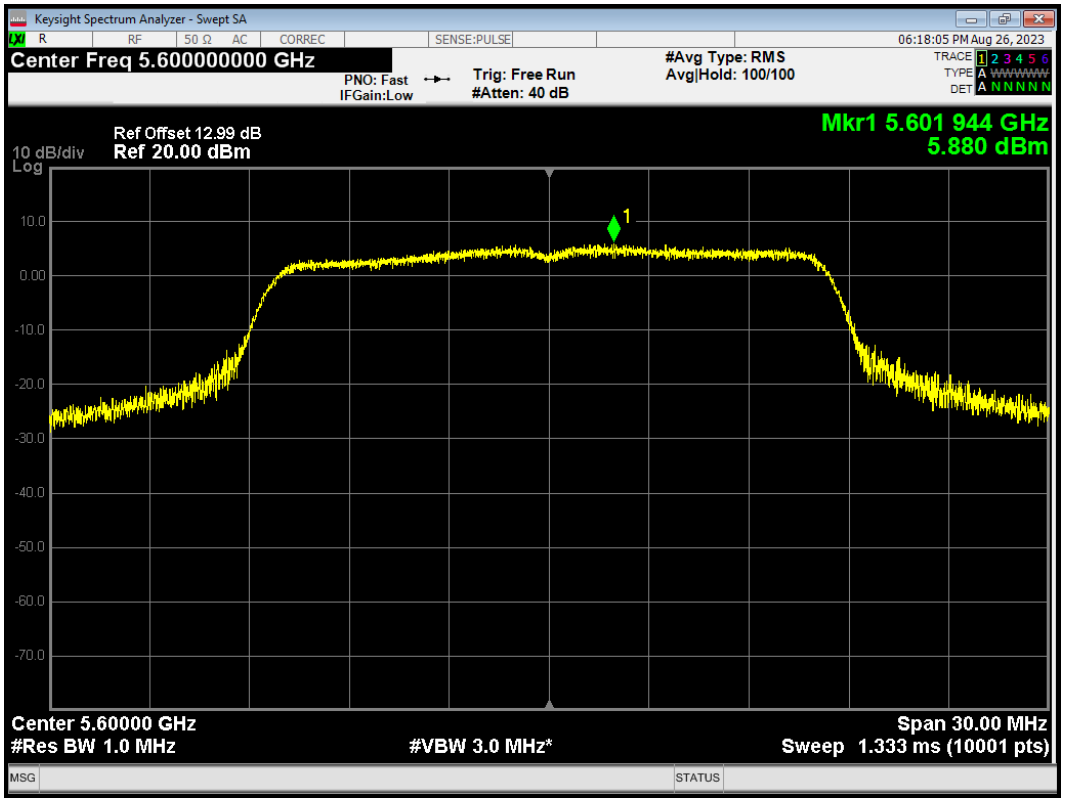
PSD 802.11n(HT40) 5670MHz



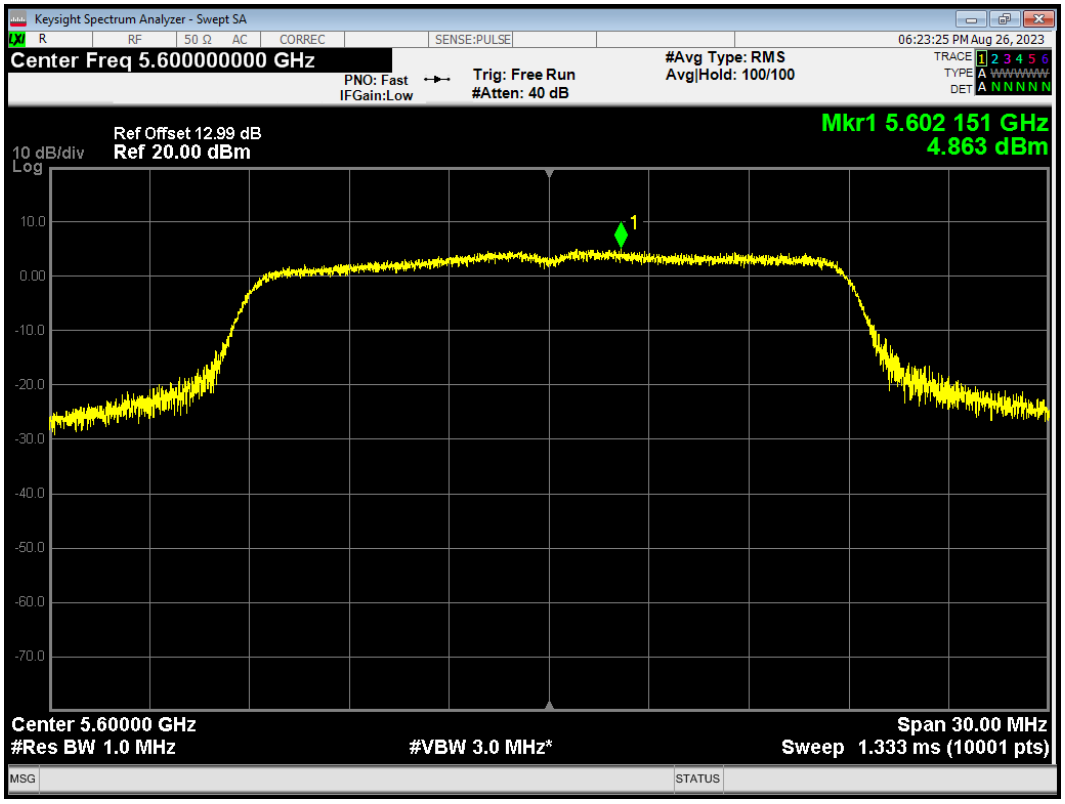
PSD 802.11n(HT40) 5710MHz



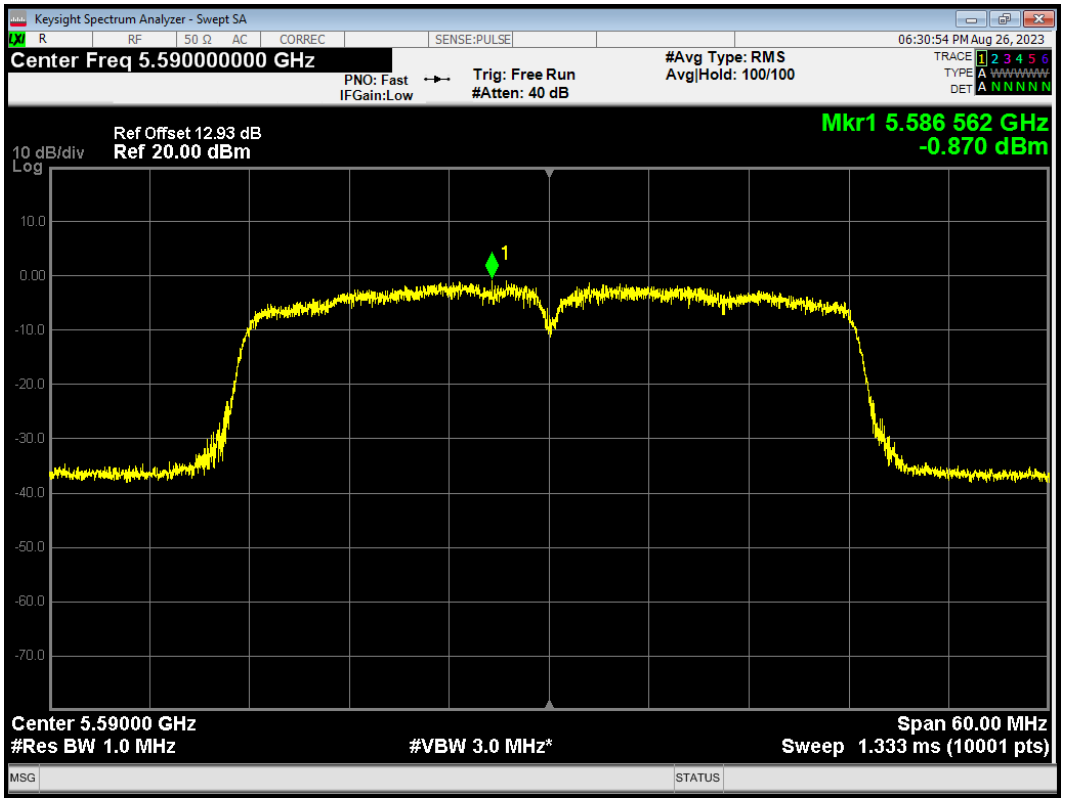
PSD 802.11a 5600MHz



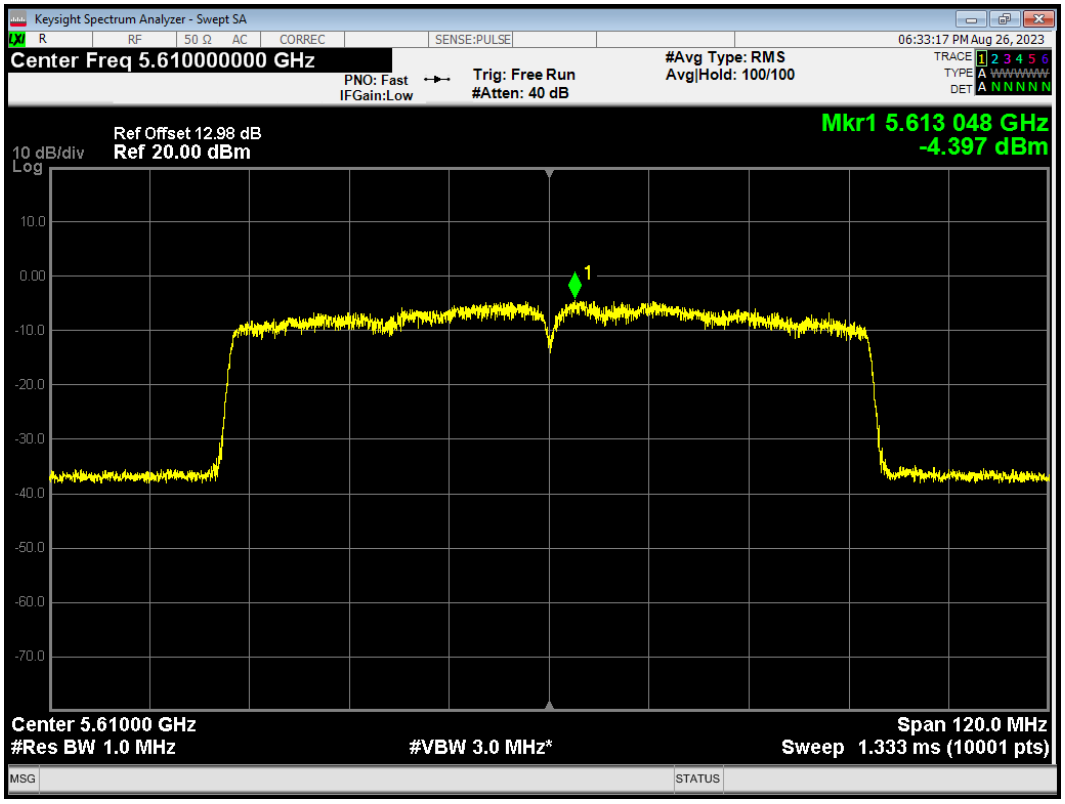
PSD 802.11ac(VHT20) 5600MHz



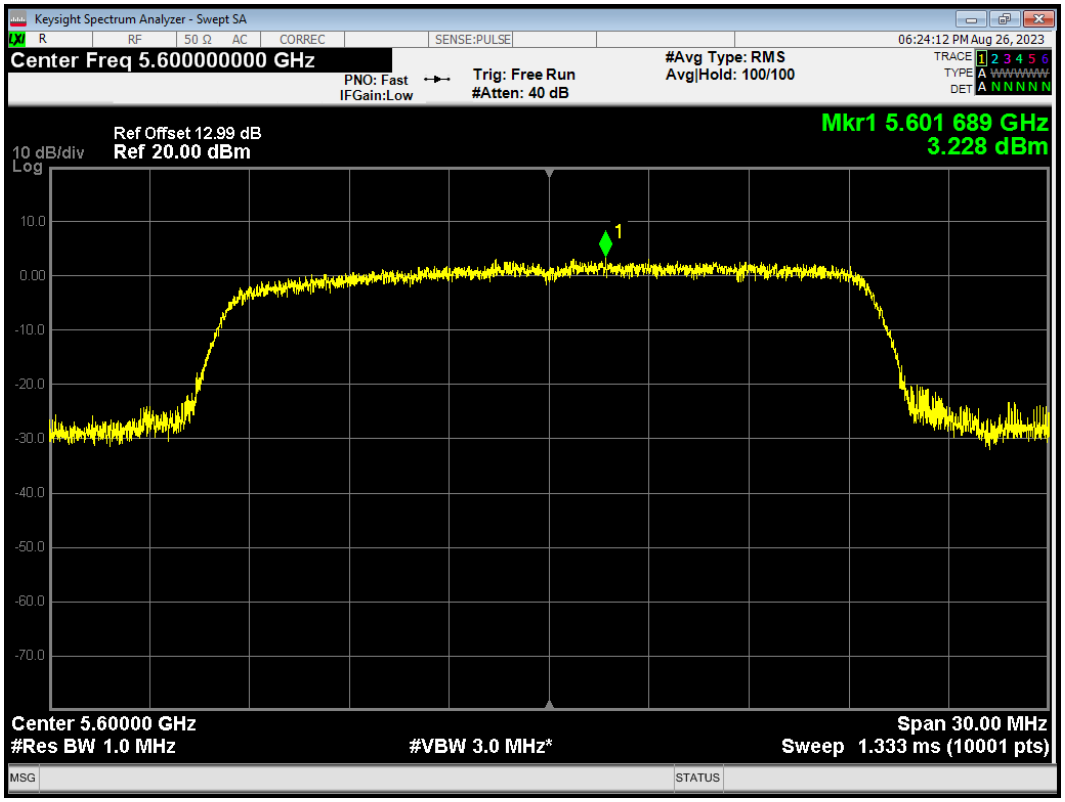
PSD 802.11ac(VHT40) 5590MHz



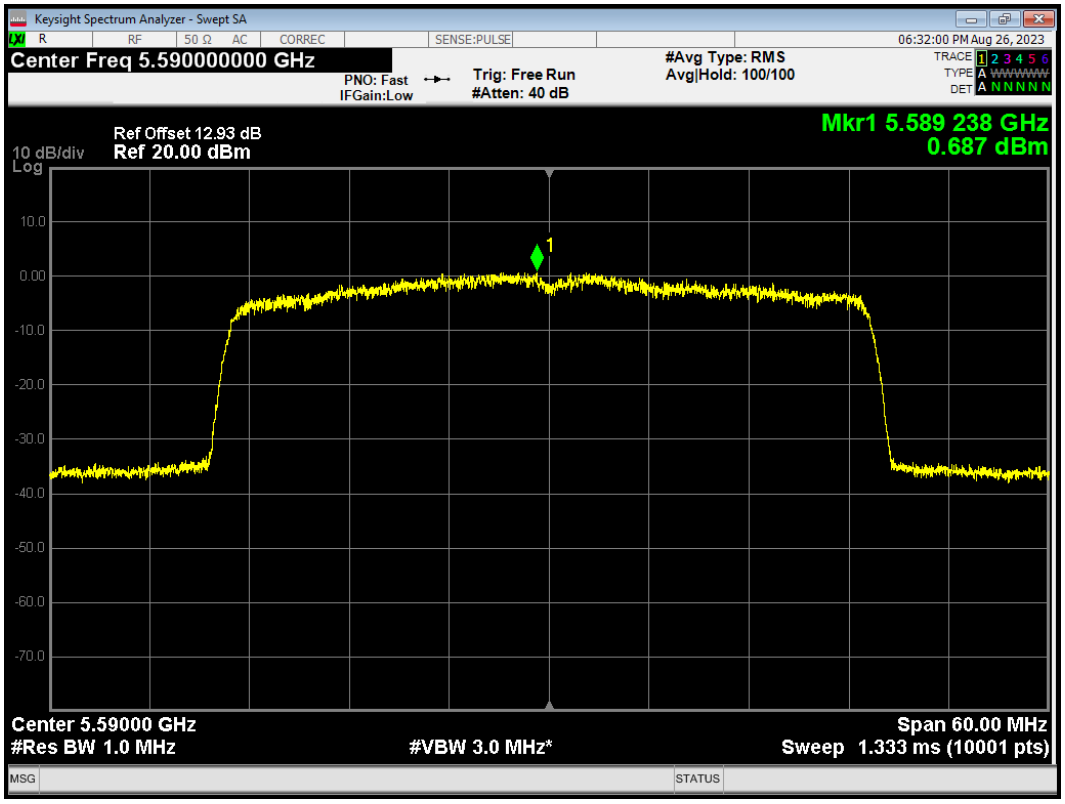
PSD 802.11ac(VHT80) 5610MHz



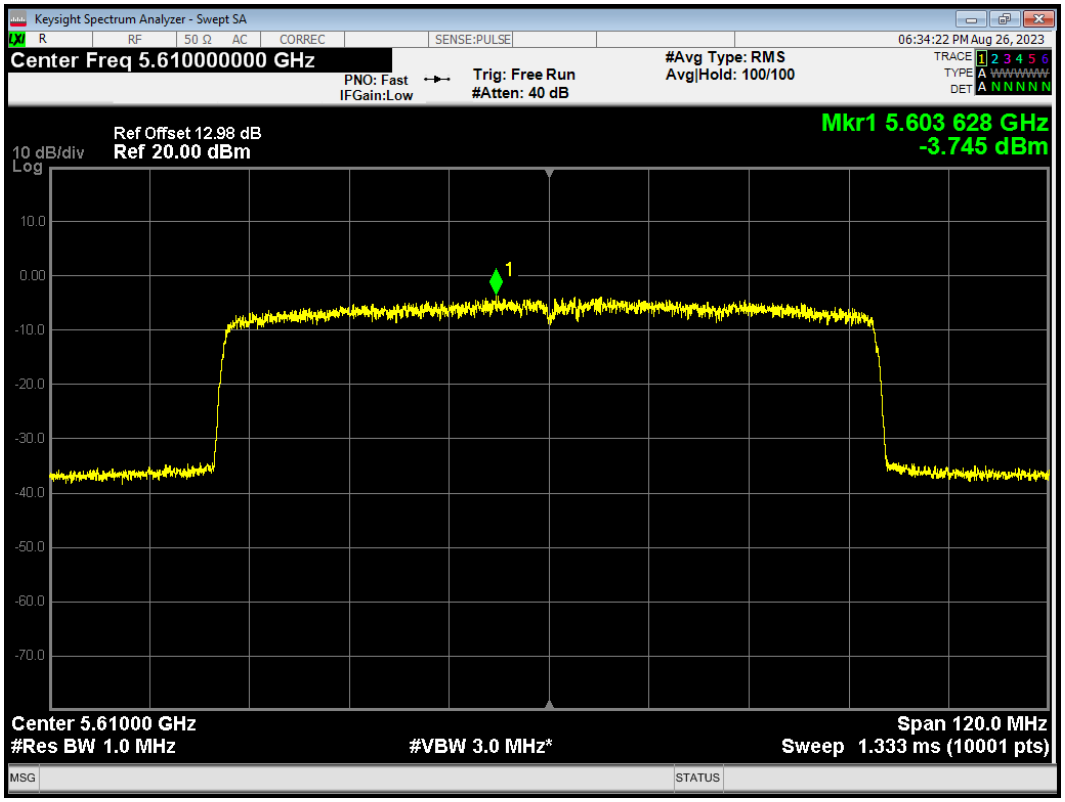
PSD 802.11ax(HE20) 5600MHz



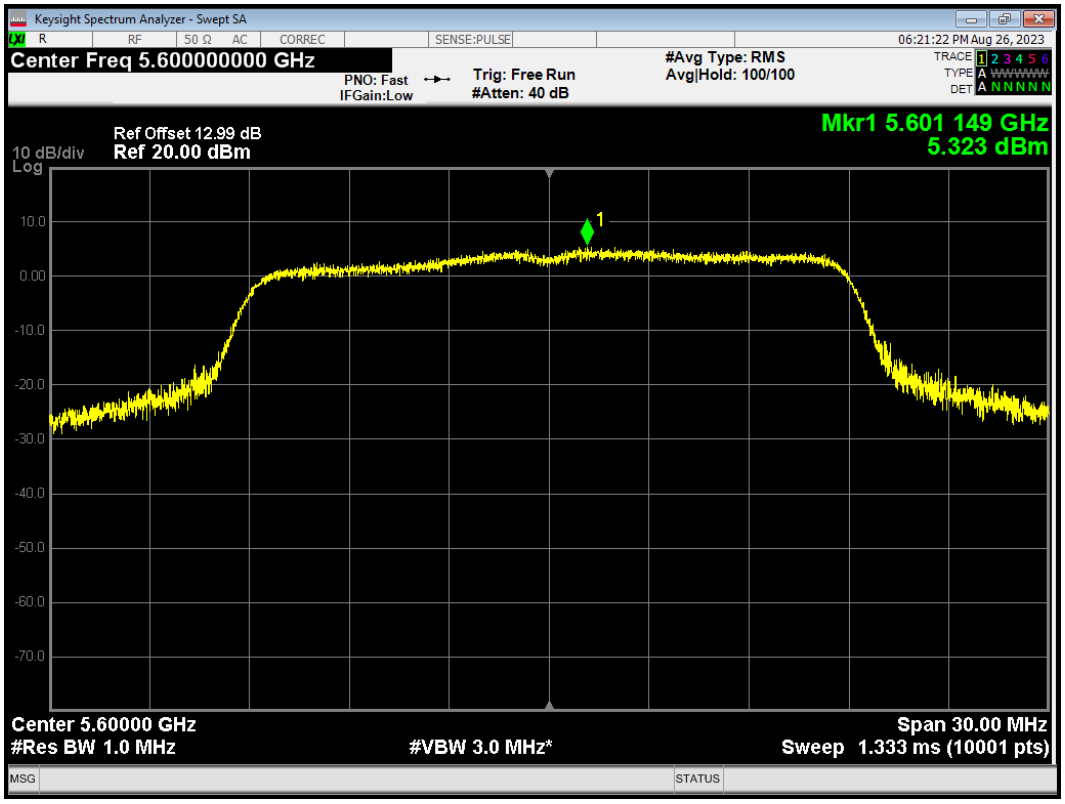
PSD 802.11ax(HE40) 5590MHz



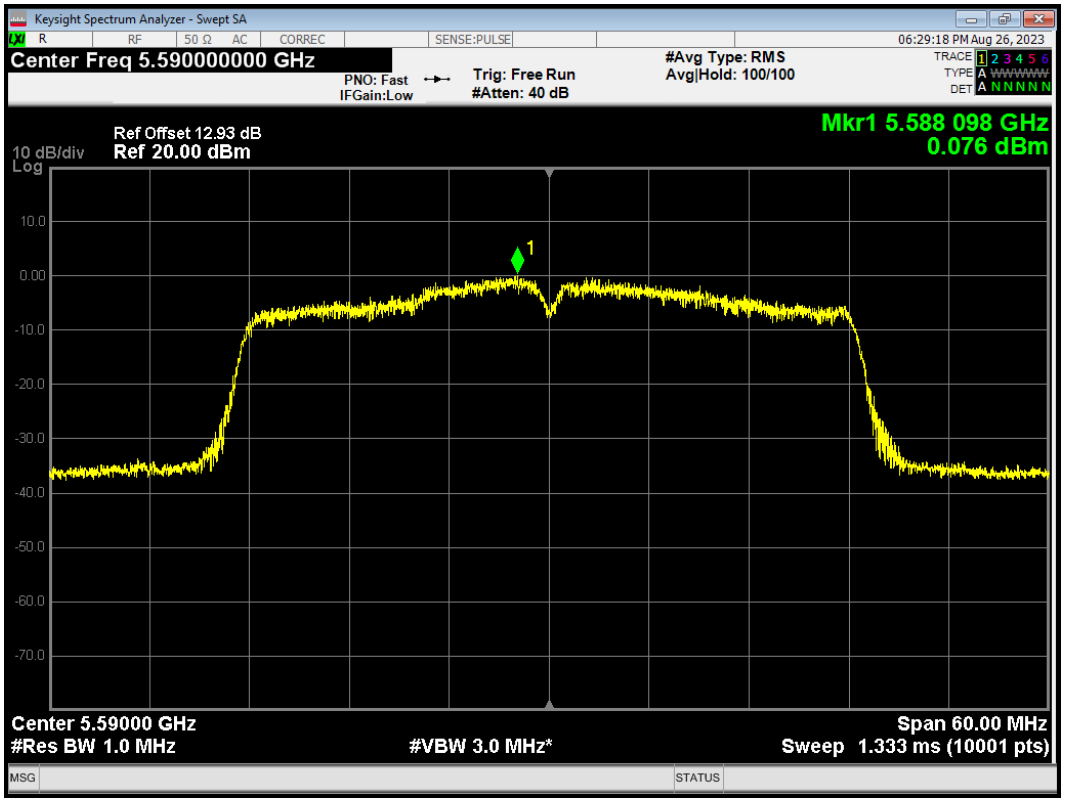
PSD 802.11ax(HE80) 5610MHz



PSD 802.11n(HT20) 5600MHz

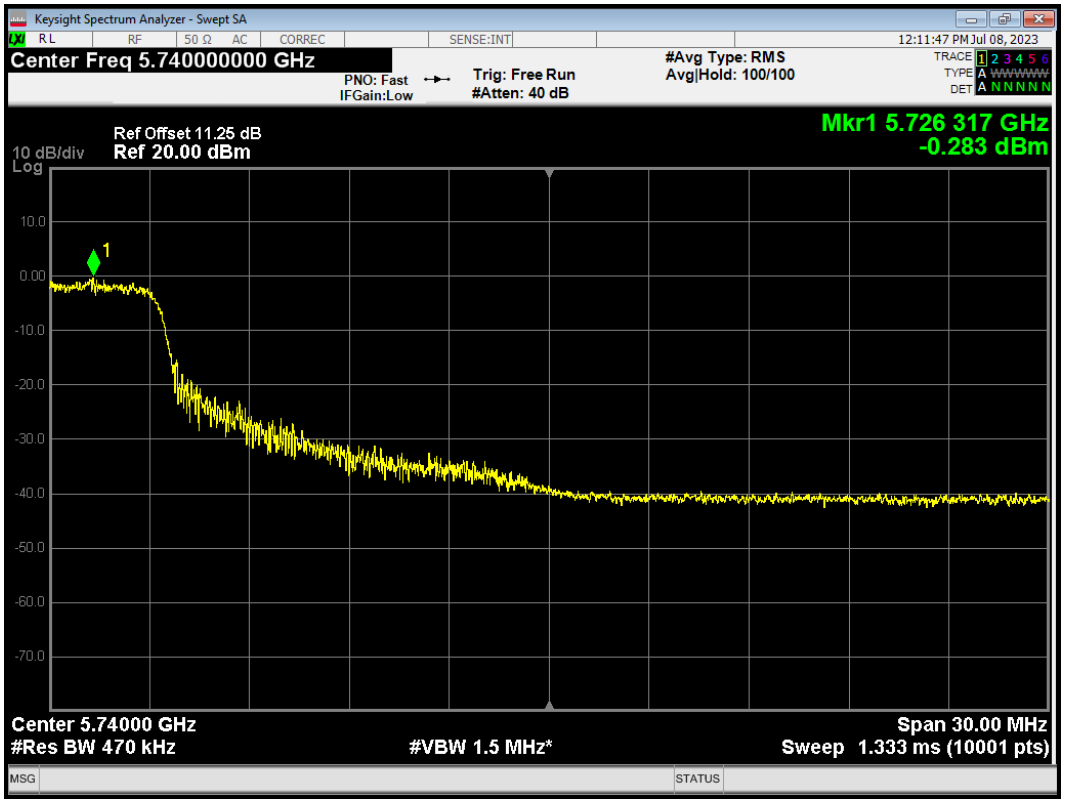


PSD 802.11n(HT40) 5590MHz

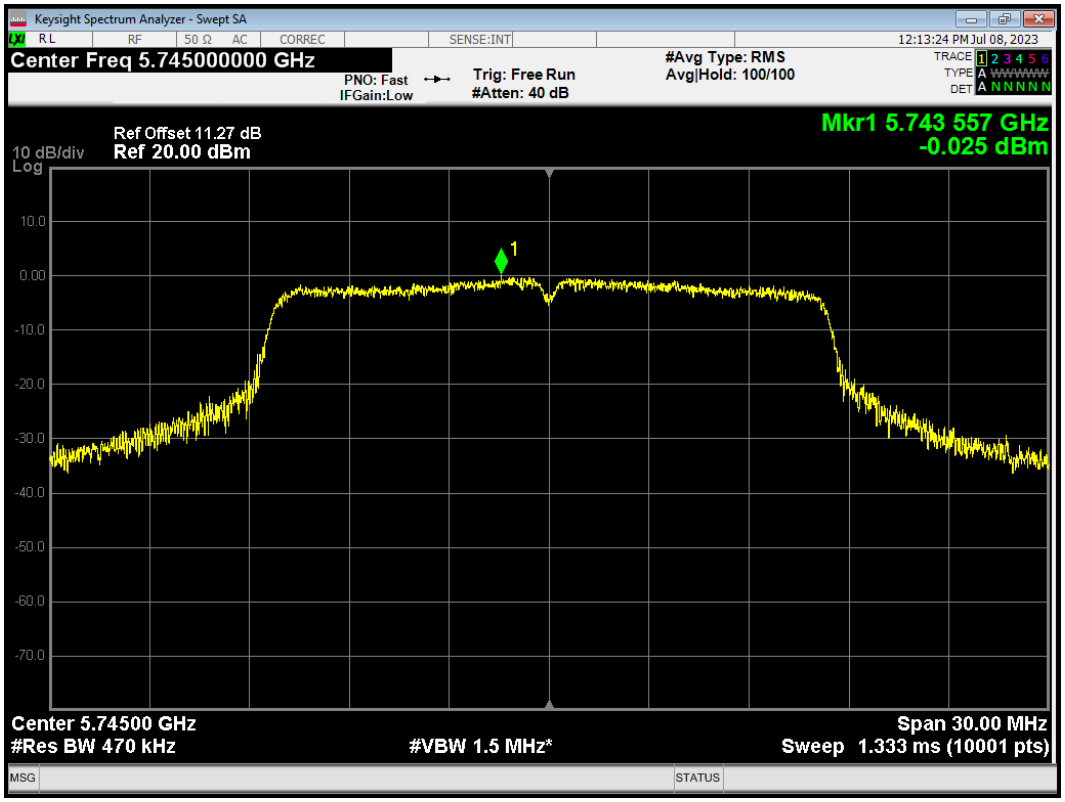


U-NII-3

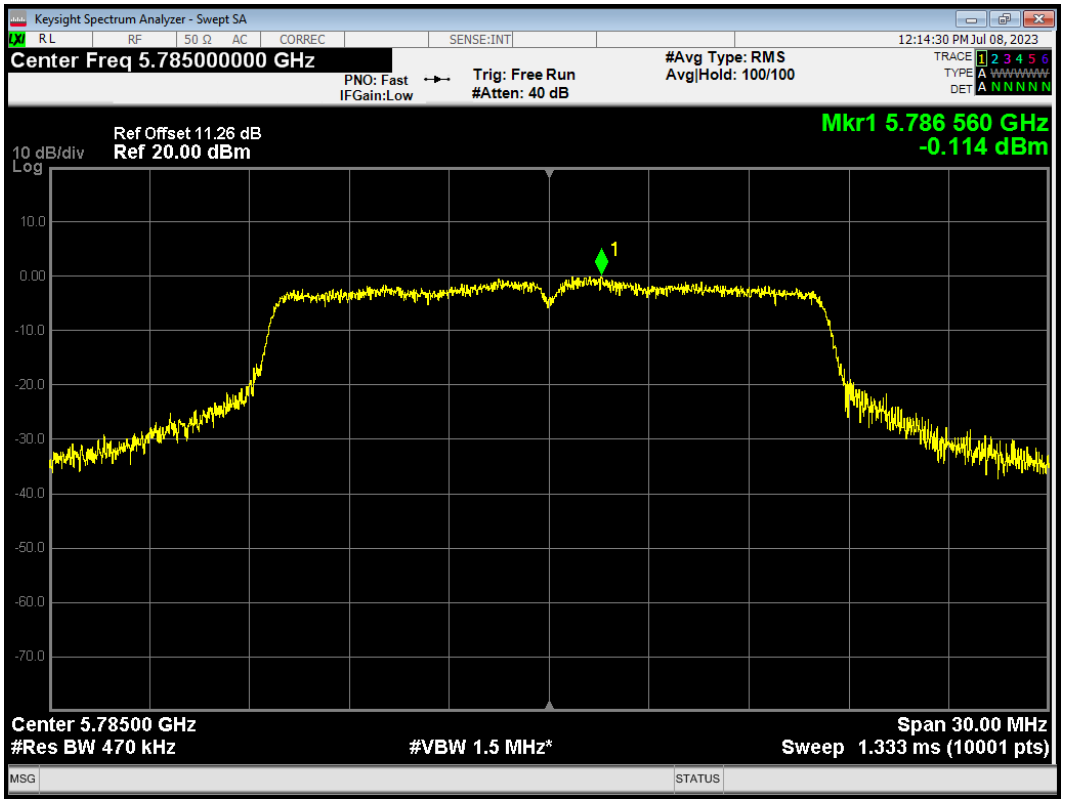
PSD 802.11a 5720MHz



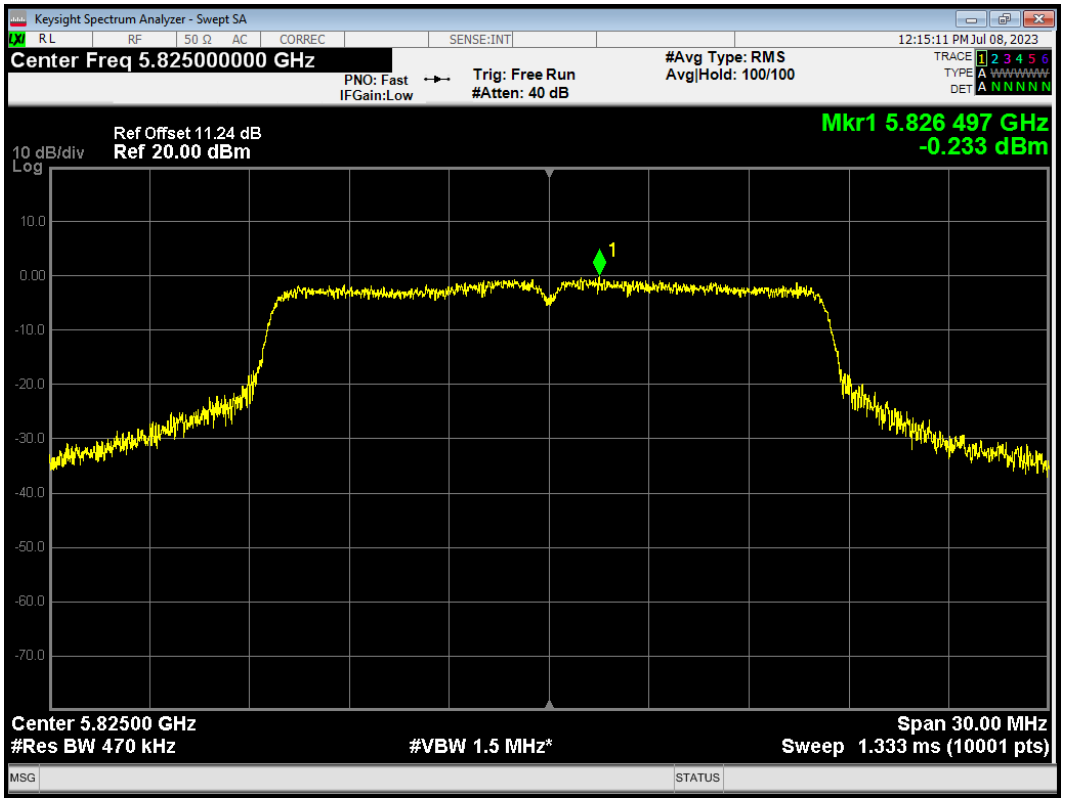
PSD 802.11a 5745MHz



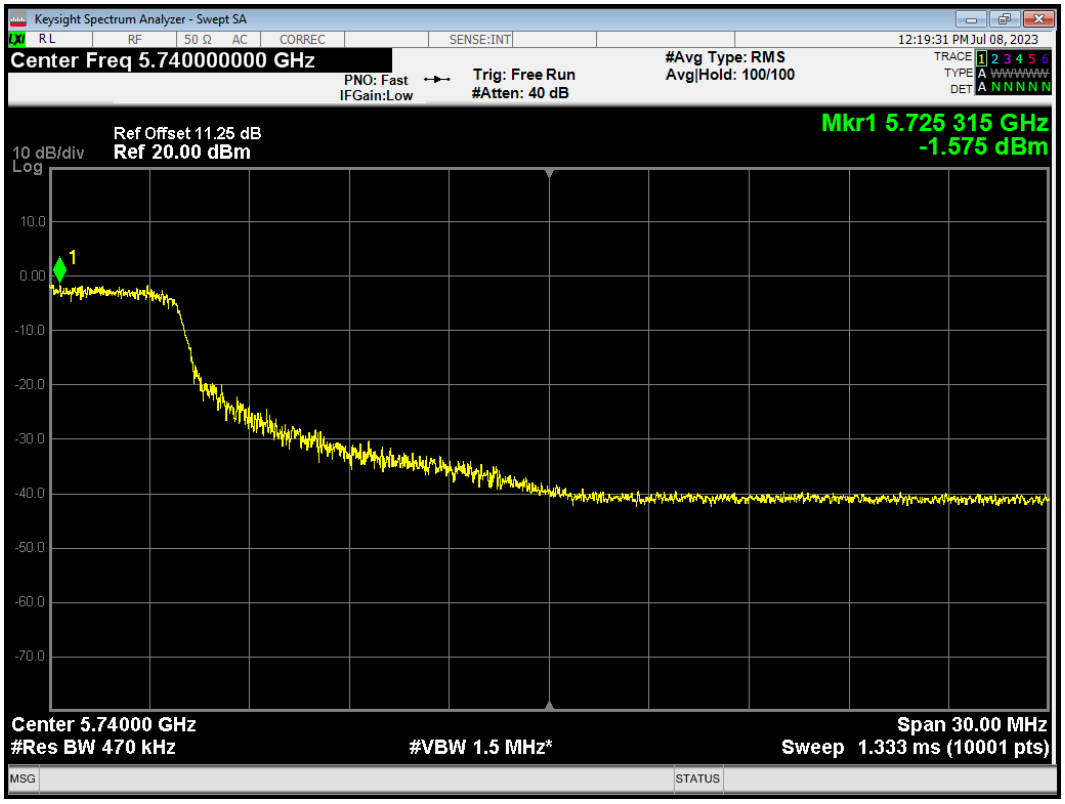
PSD 802.11a 5785MHz



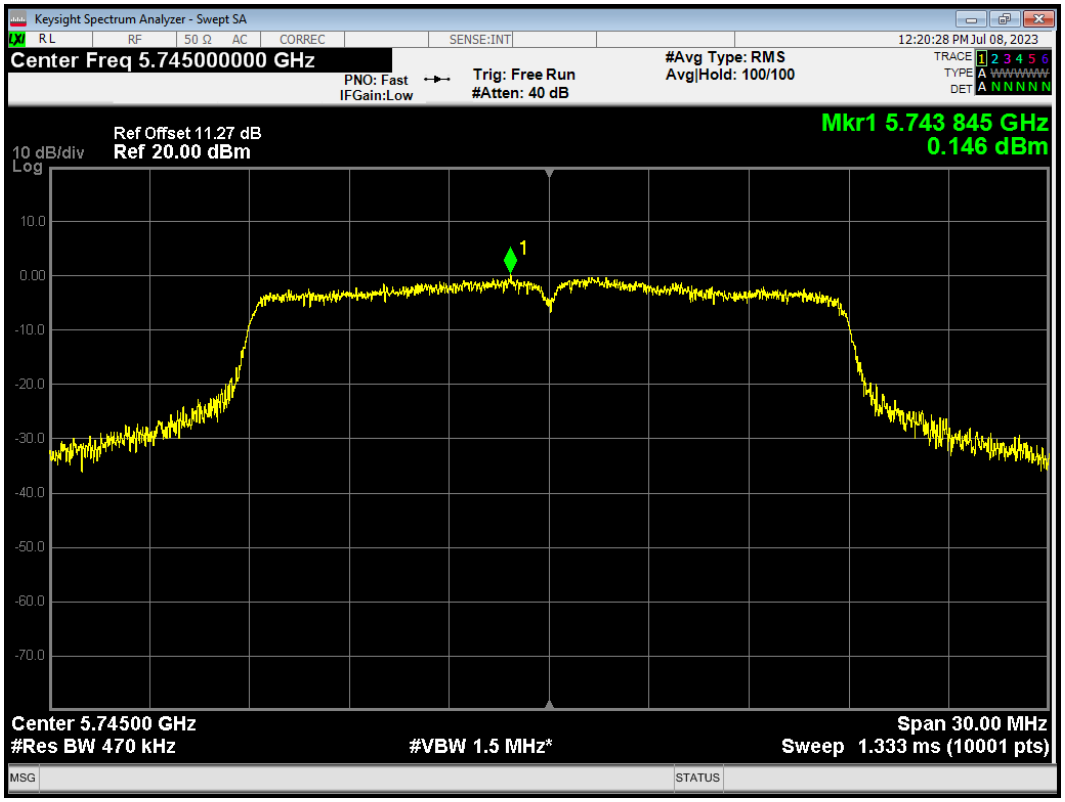
PSD 802.11a 5825MHz



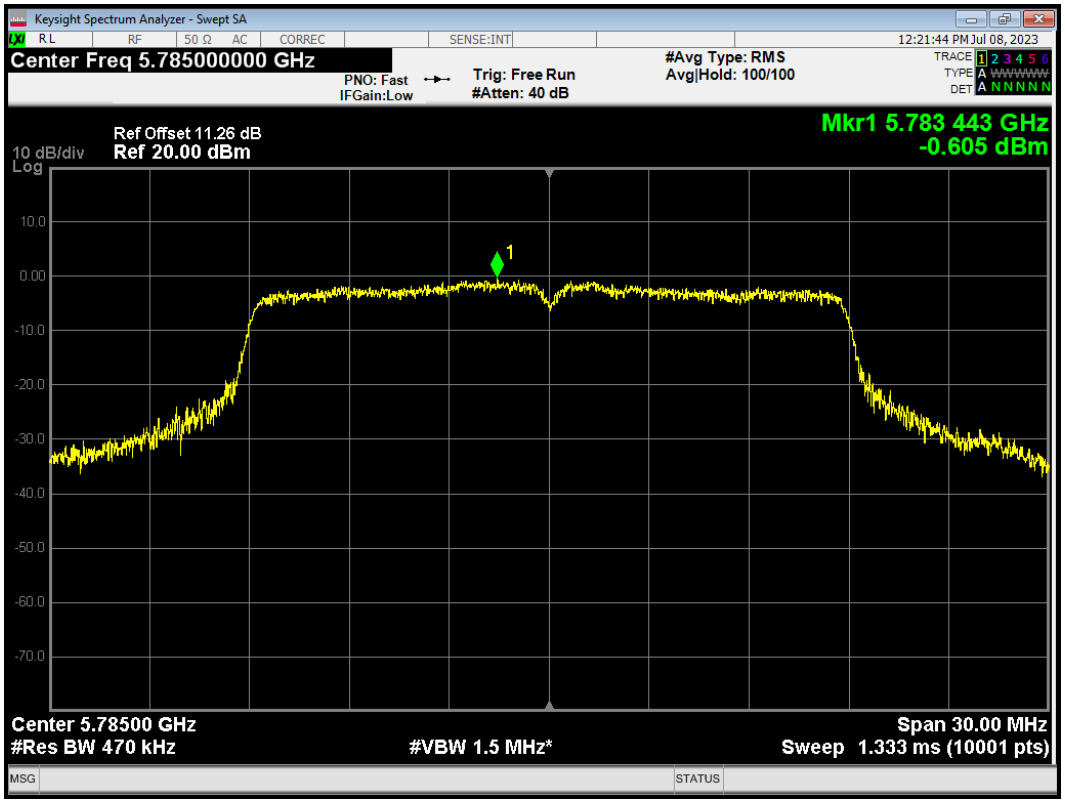
PSD 802.11ac(VHT20) 5720MHz



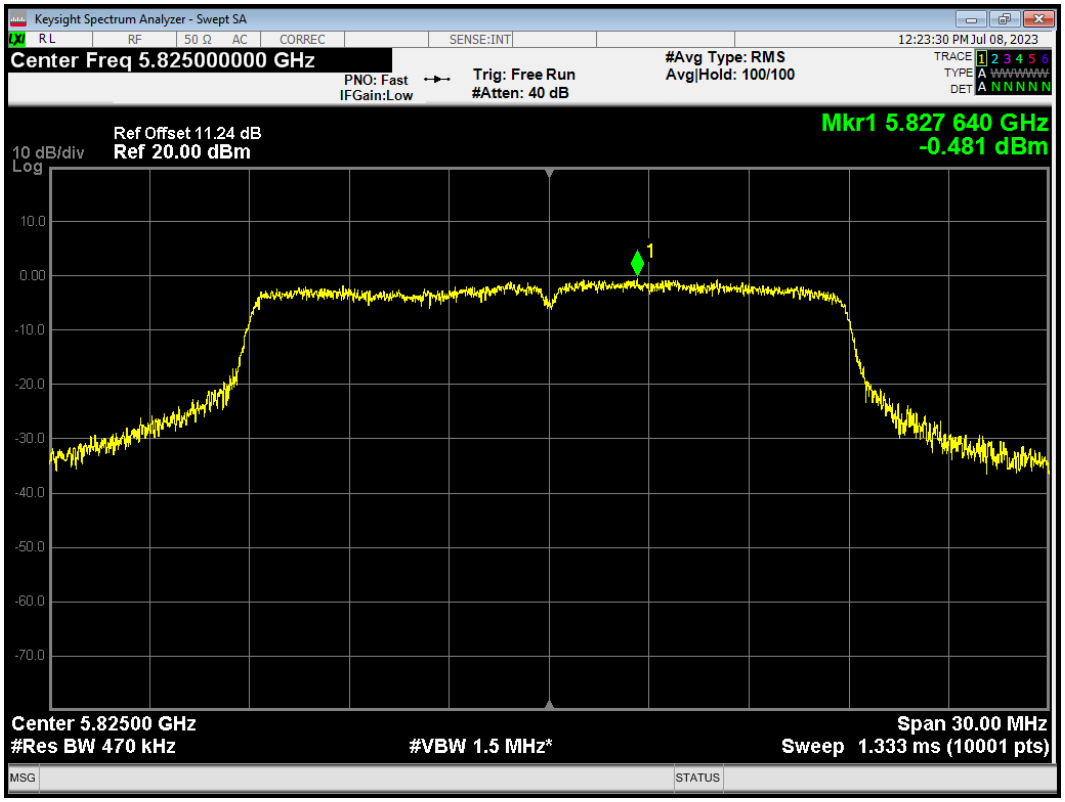
PSD 802.11ac(VHT20) 5745MHz



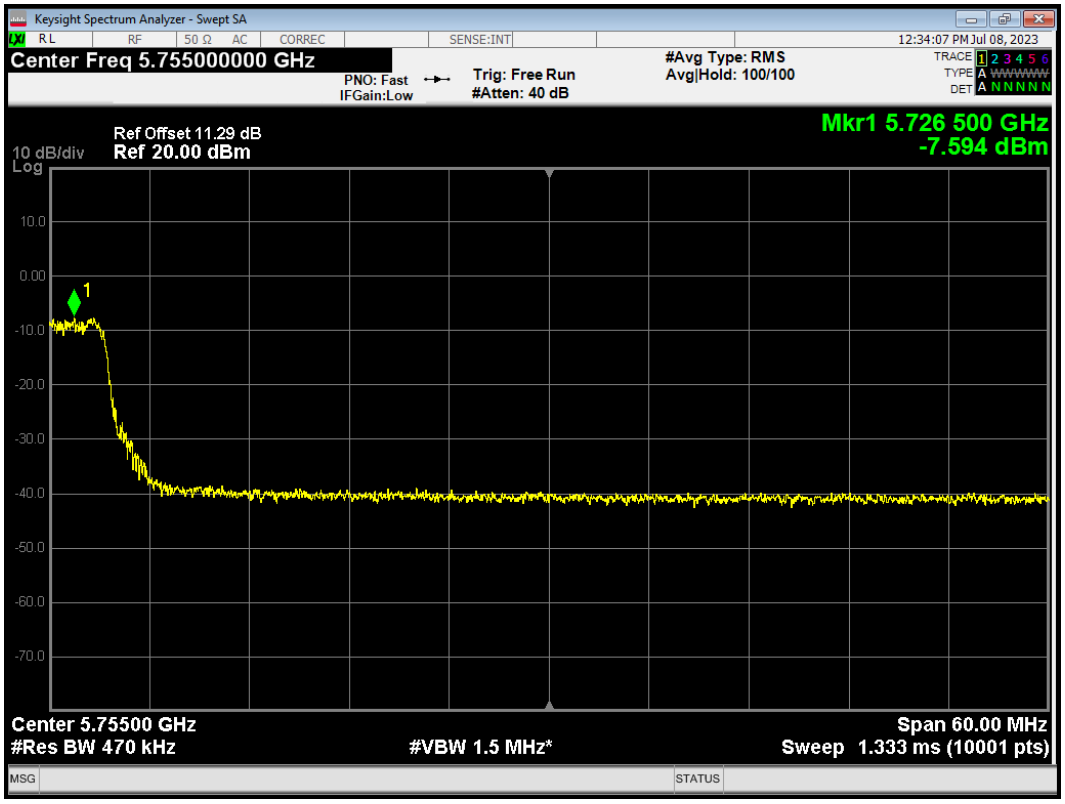
PSD 802.11ac(VHT20) 5785MHz



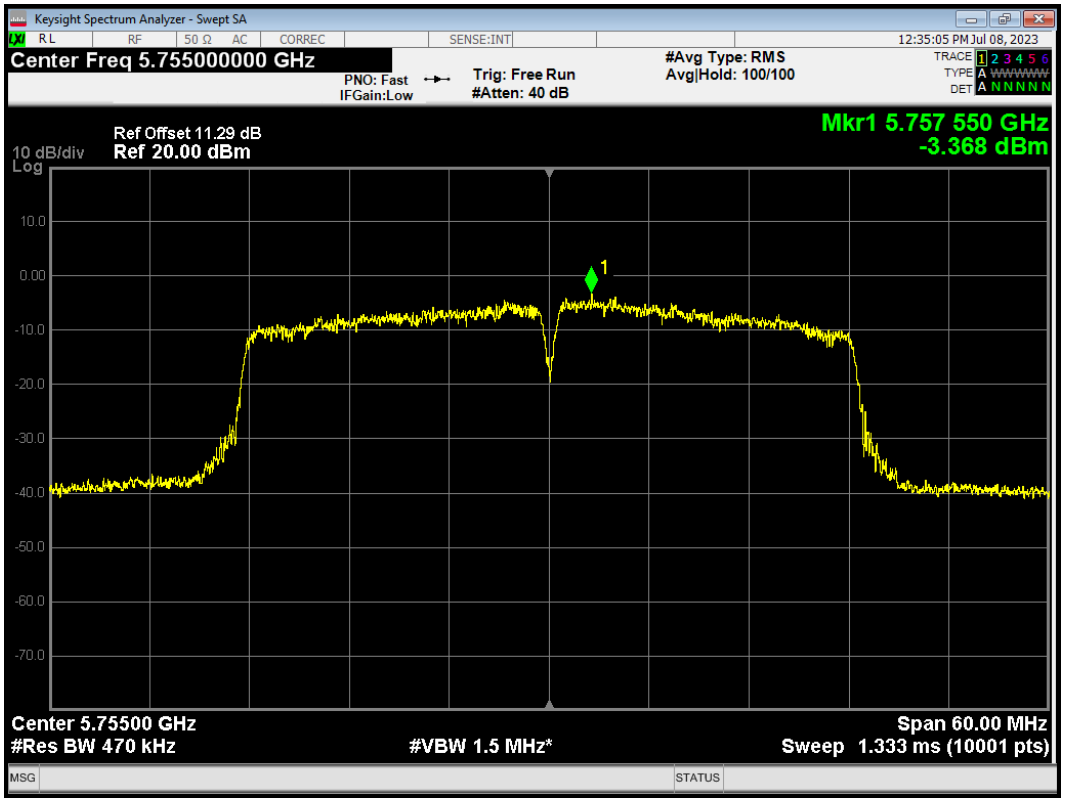
PSD 802.11ac(VHT20) 5825MHz



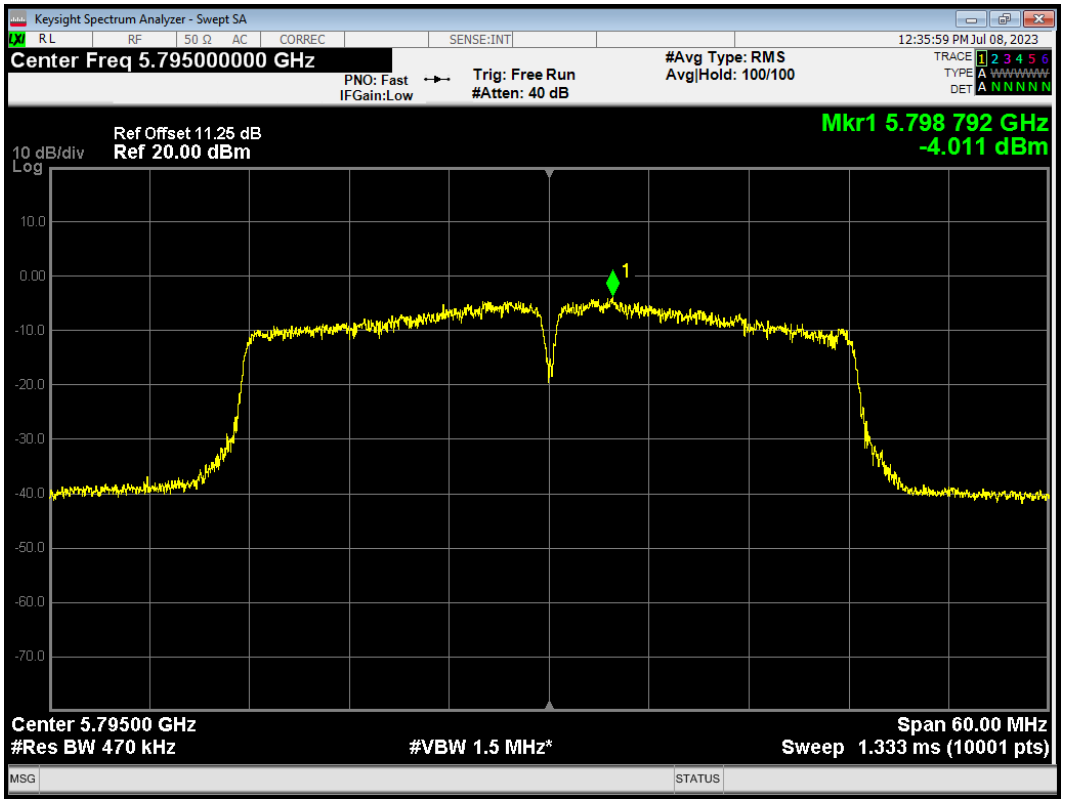
PSD 802.11ac(VHT40) 5710MHz



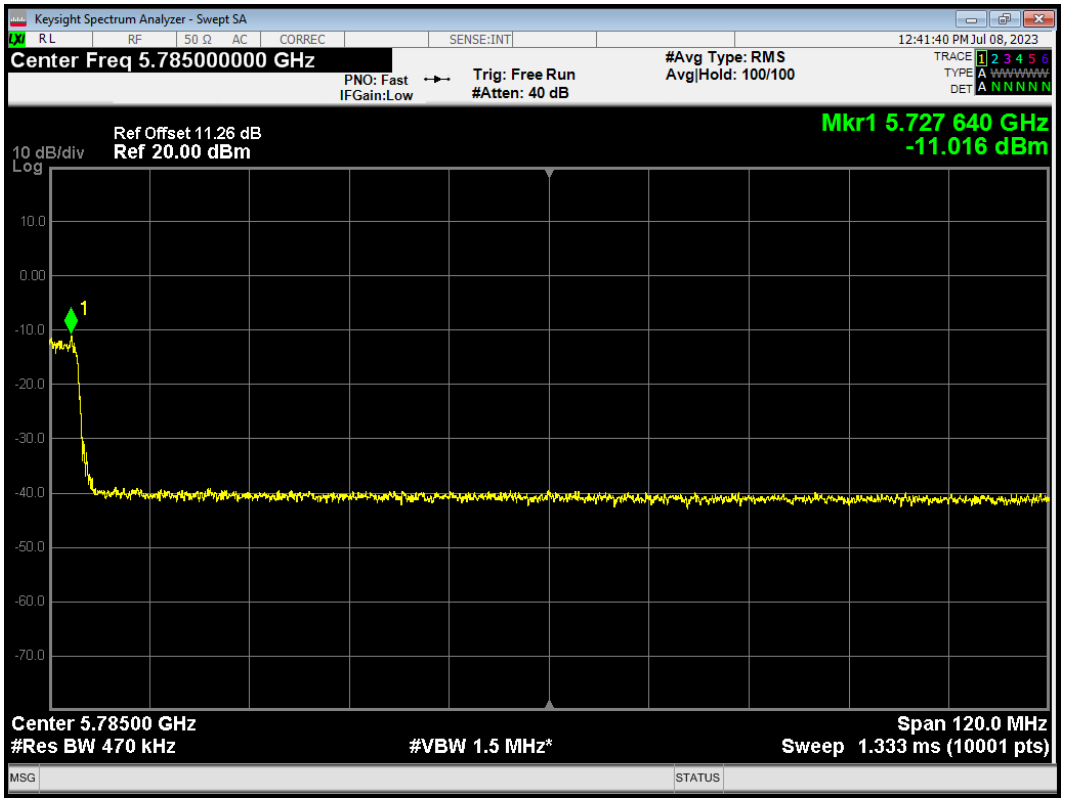
PSD 802.11ac(VHT40) 5755MHz



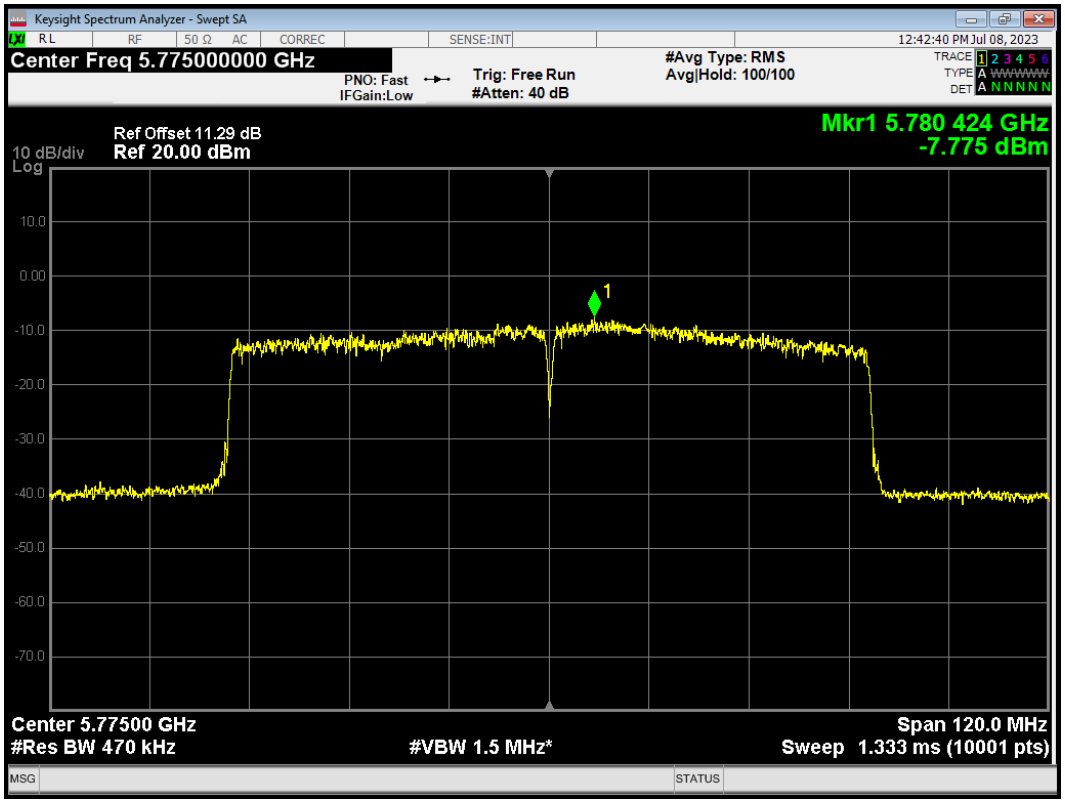
PSD 802.11ac(VHT40) 5795MHz



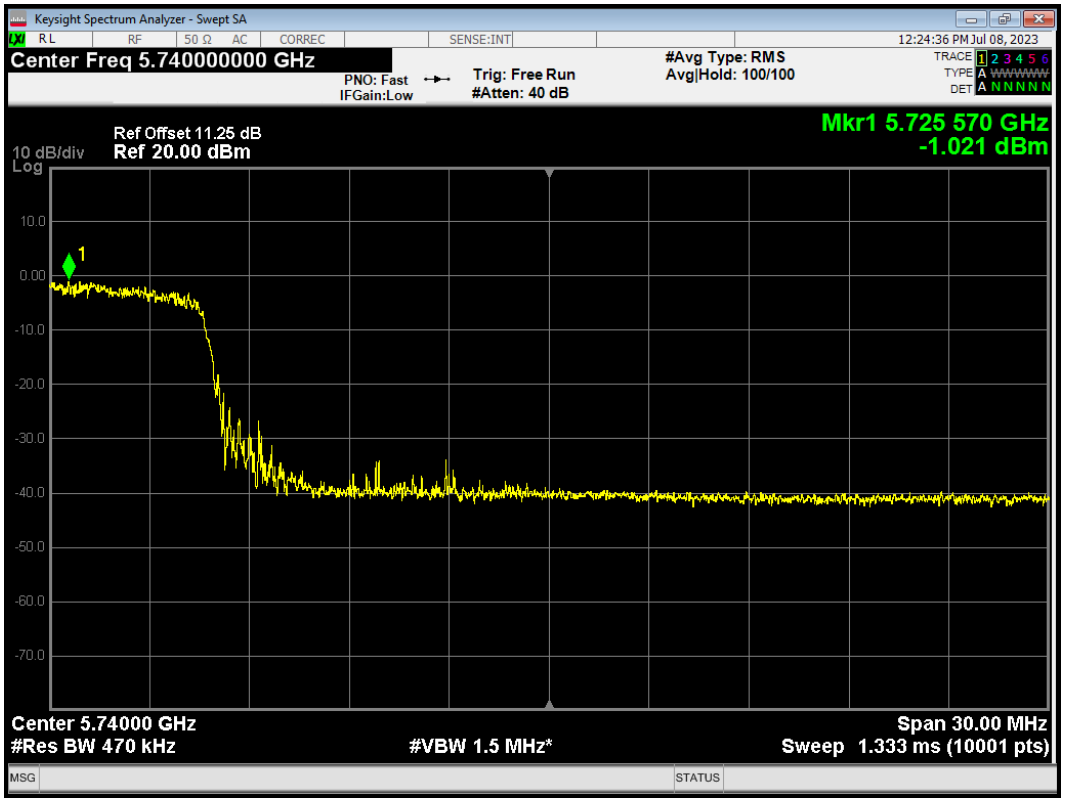
PSD 802.11ac(VHT80) 5690MHz



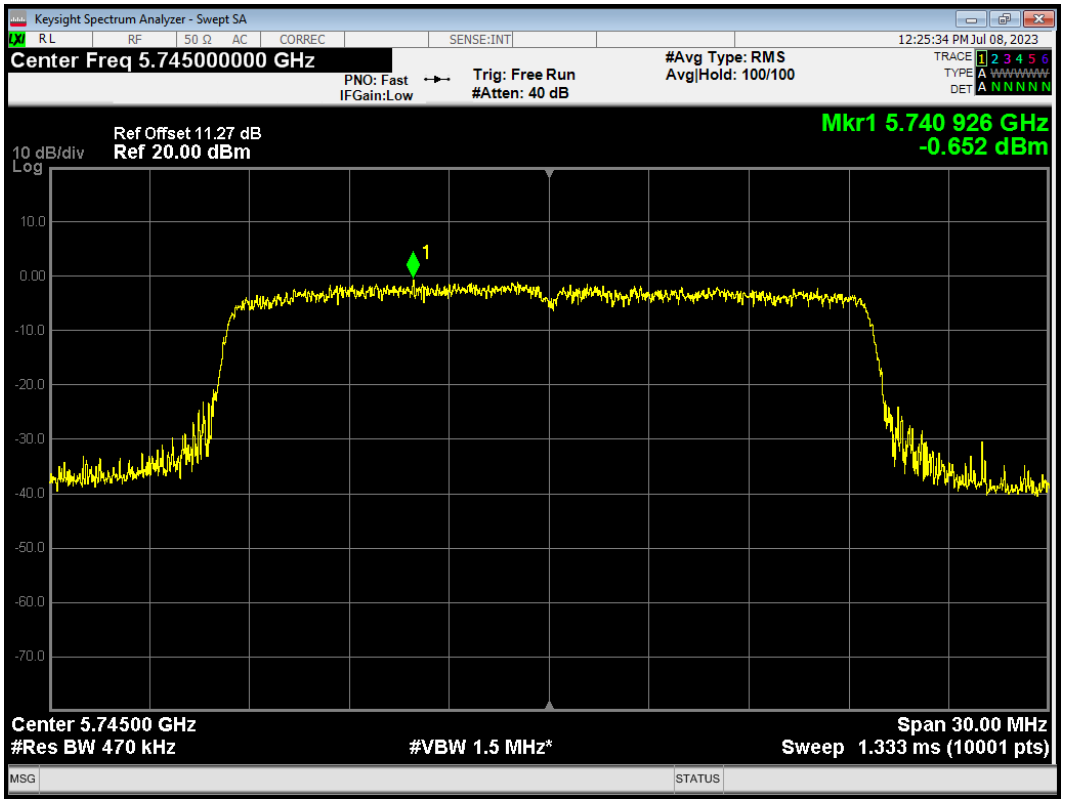
PSD 802.11ac(VHT80) 5775MHz



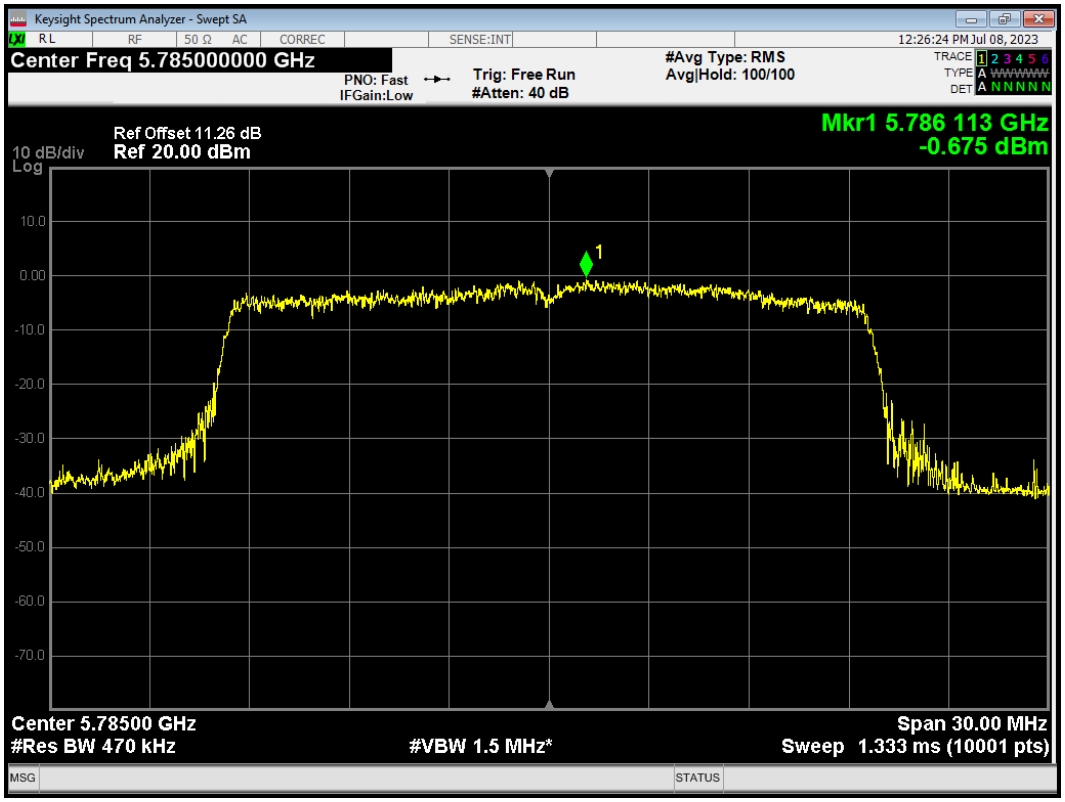
PSD 802.11ax(HE20) 5720MHz



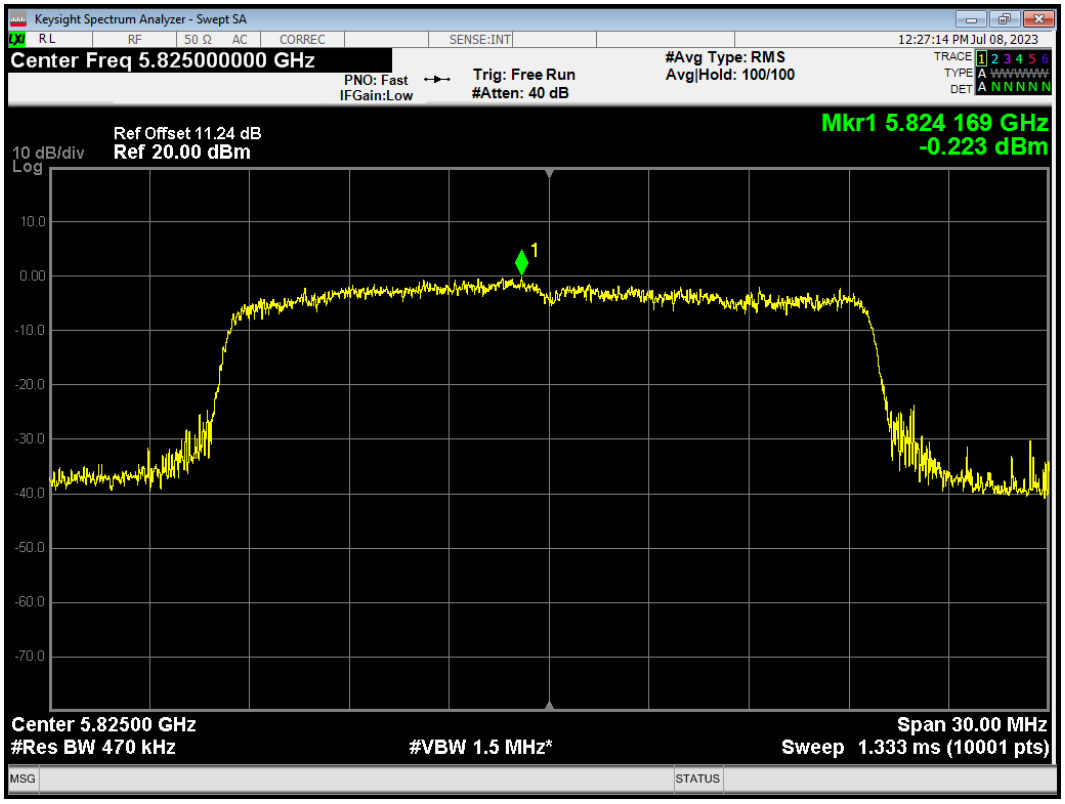
PSD 802.11ax(HE20) 5745MHz



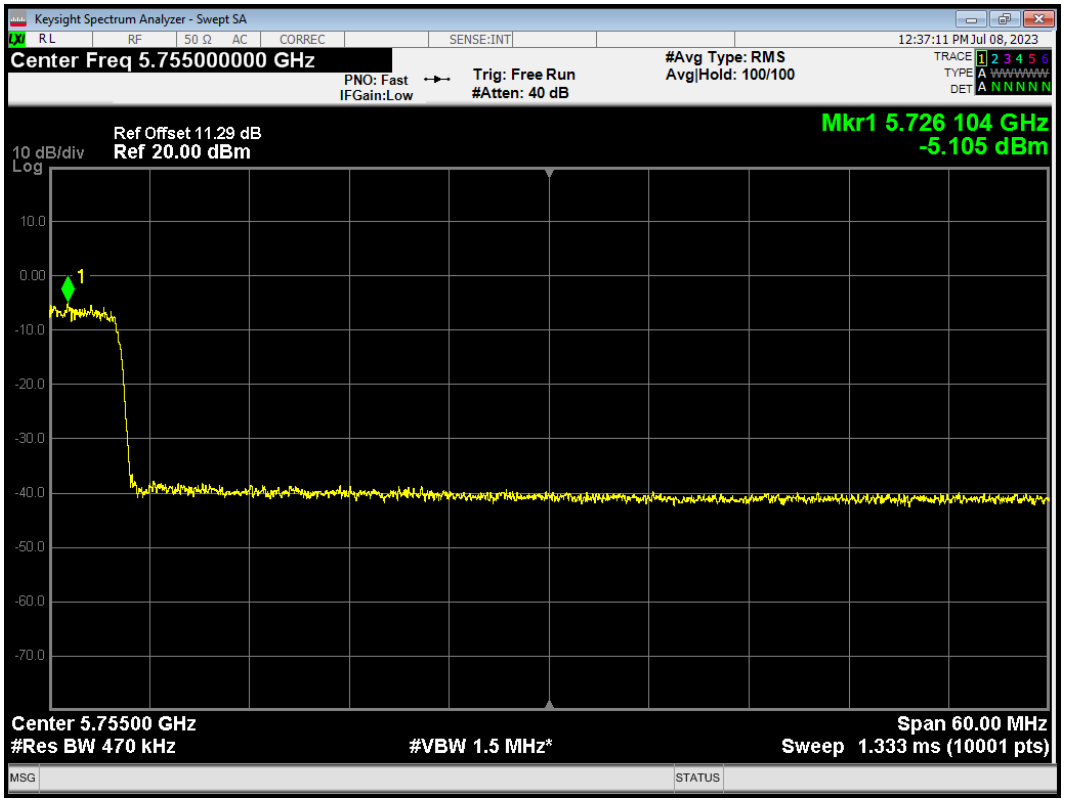
PSD 802.11ax(HE20) 5785MHz



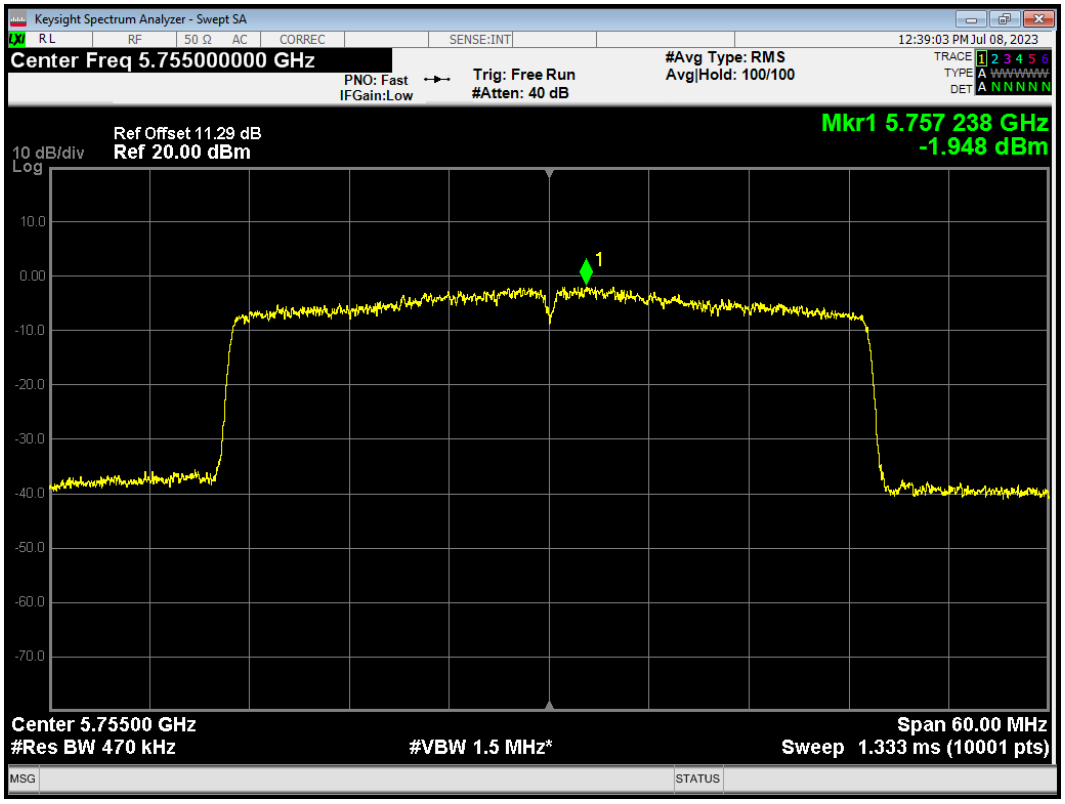
PSD 802.11ax(HE20) 5825MHz



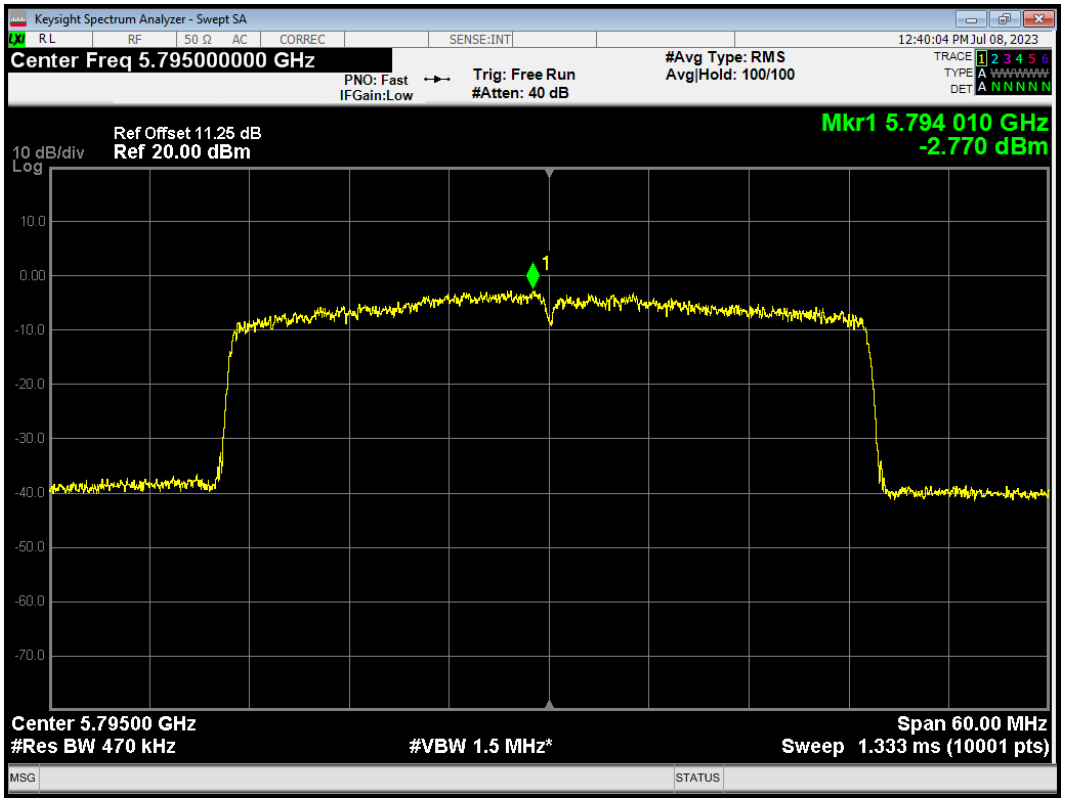
PSD 802.11ax(HE40) 5710MHz



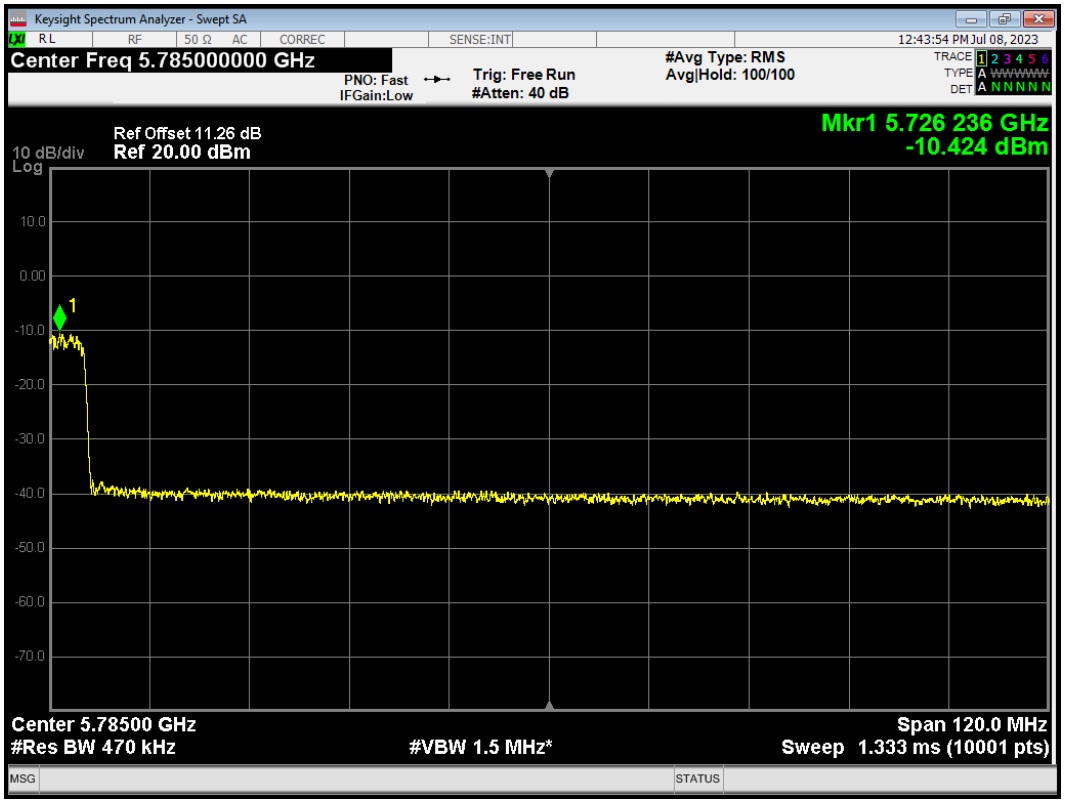
PSD 802.11ax(HE40) 5755MHz



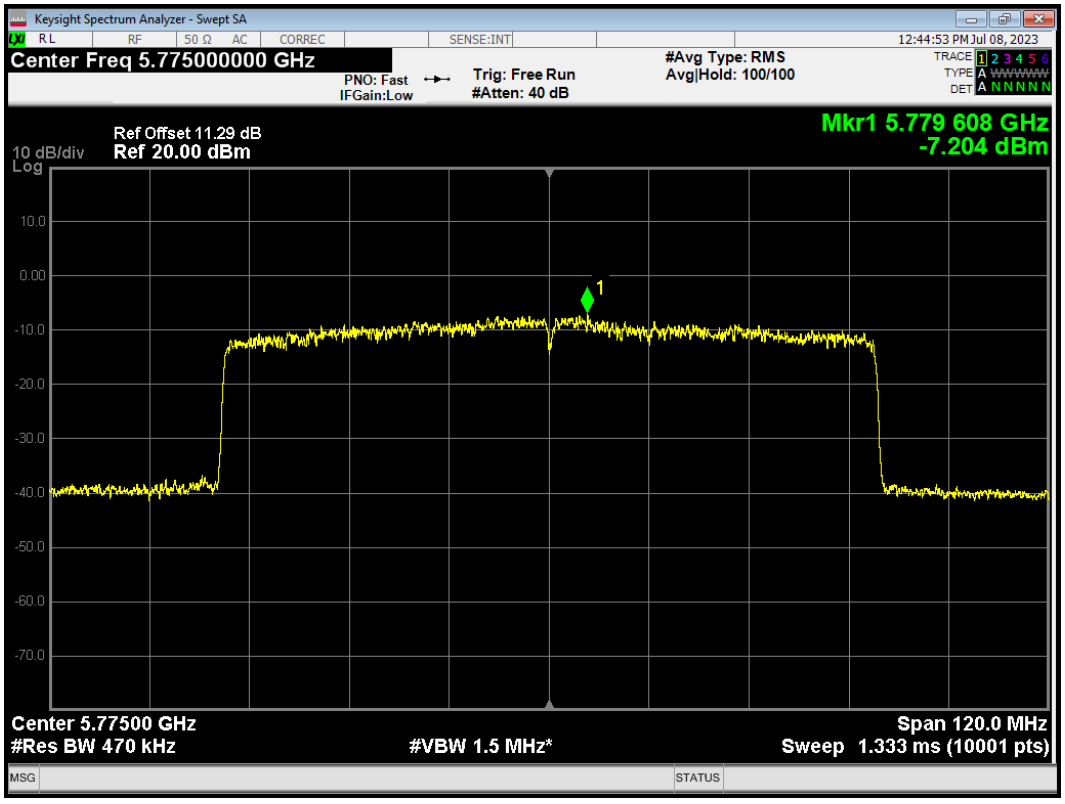
PSD 802.11ax(HE40) 5795MHz



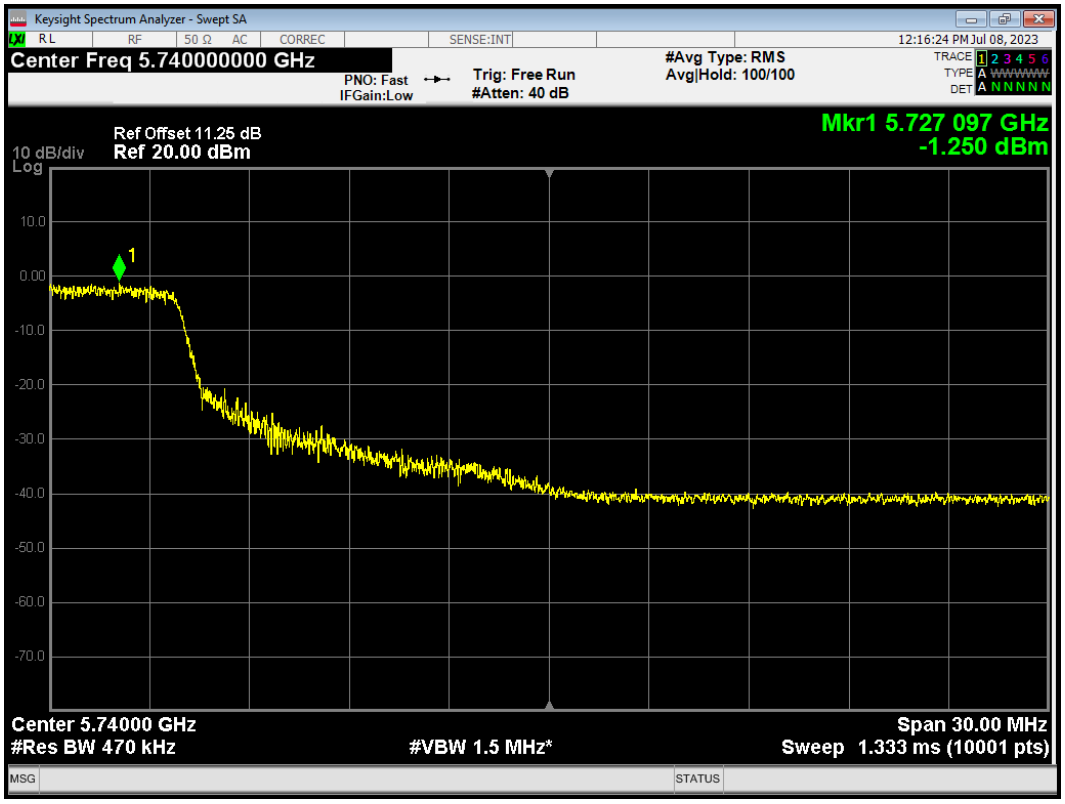
PSD 802.11ax(HE80) 5690MHz



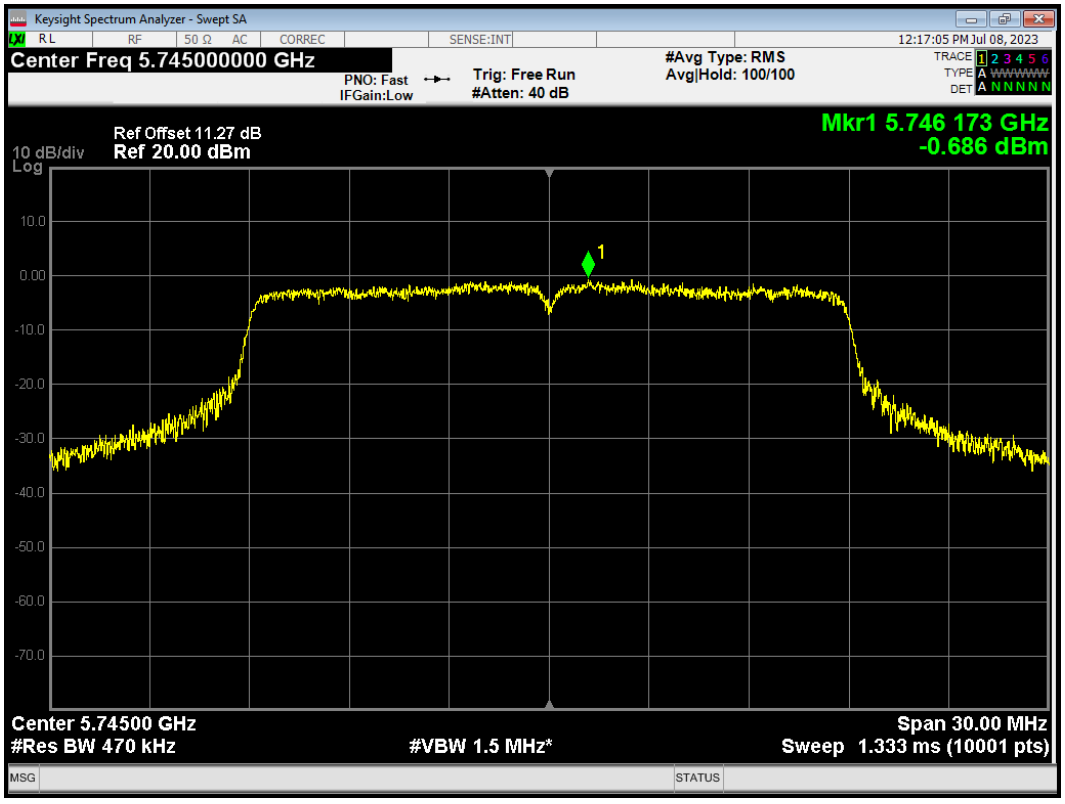
PSD 802.11ax(HE80) 5775MHz



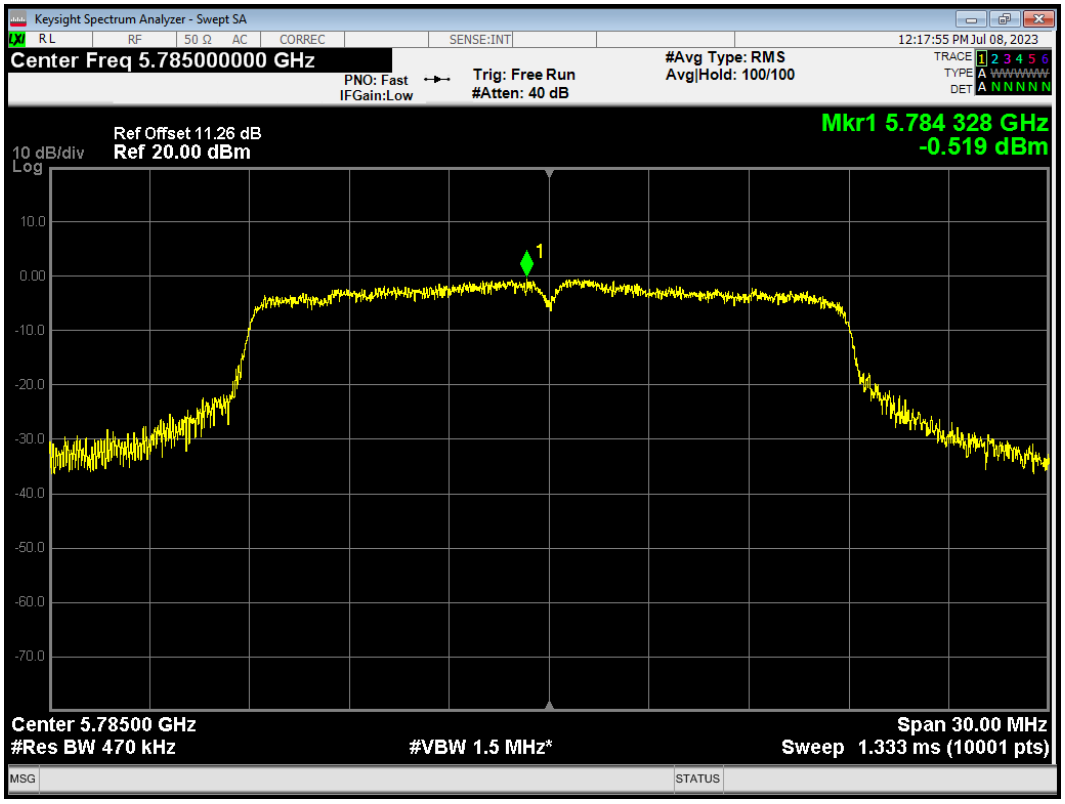
PSD 802.11n(HT20) 5720MHz



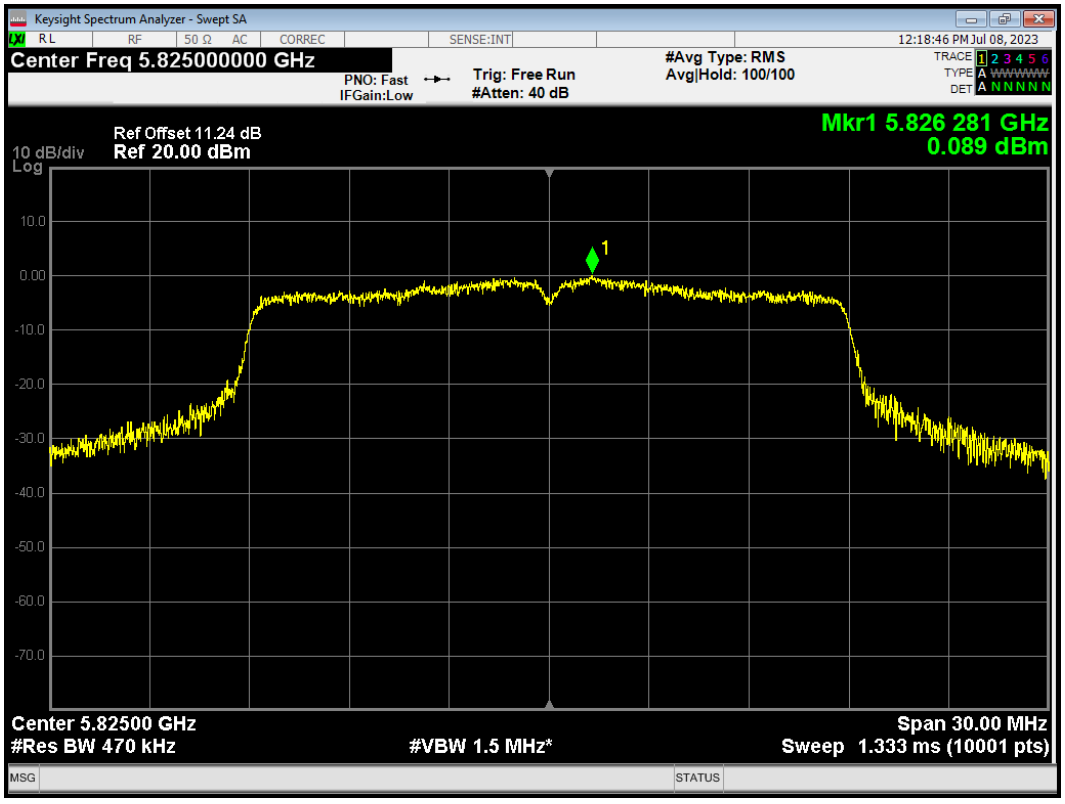
PSD 802.11n(HT20) 5745MHz



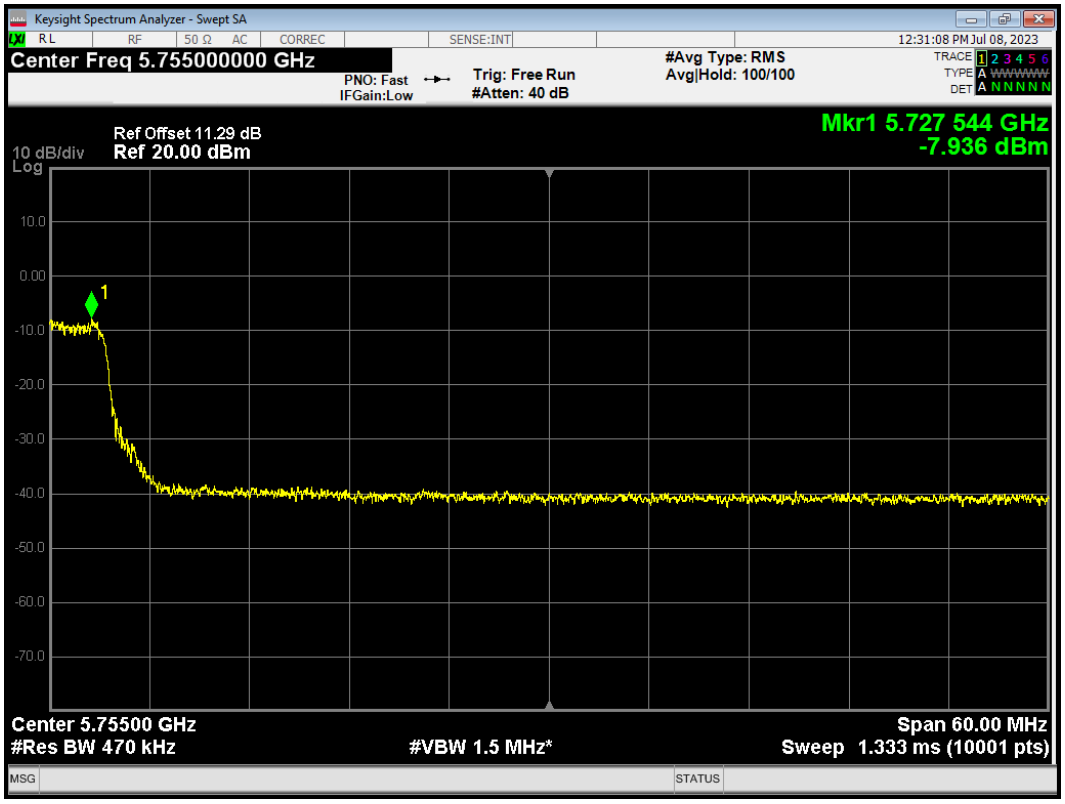
PSD 802.11n(HT20) 5785MHz



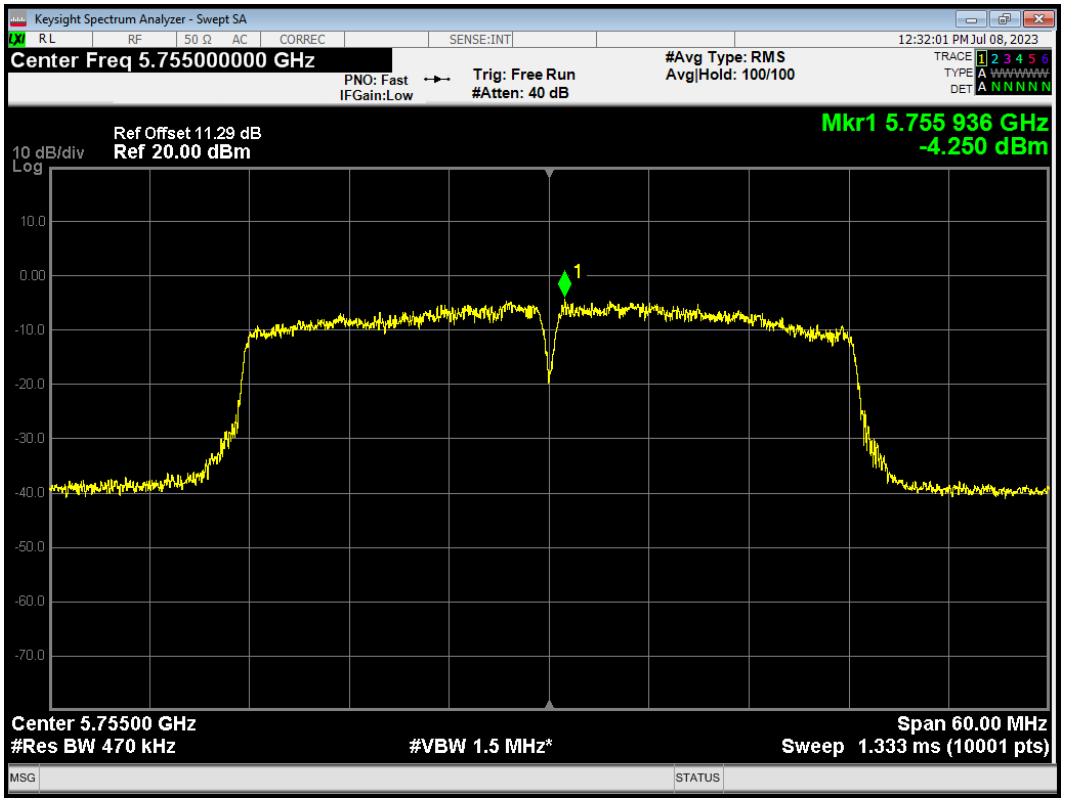
PSD 802.11n(HT20) 5825MHz



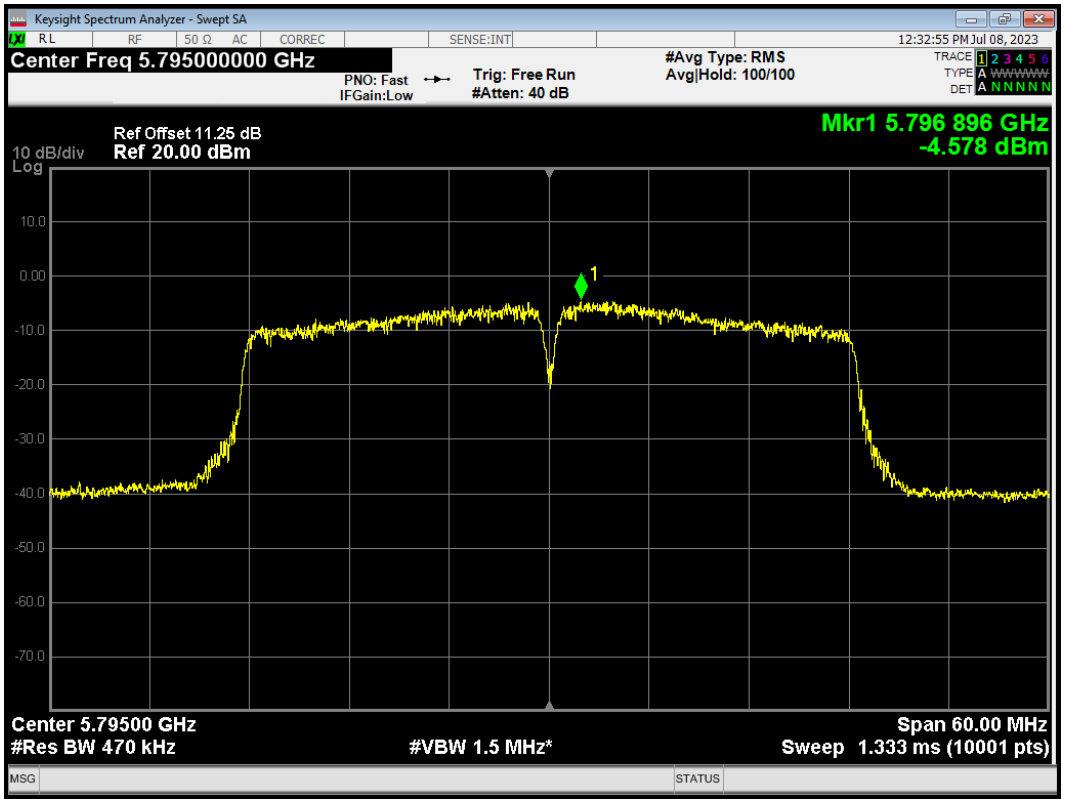
PSD 802.11n(HT40) 5710MHz



PSD 802.11n(HT40) 5755MHz



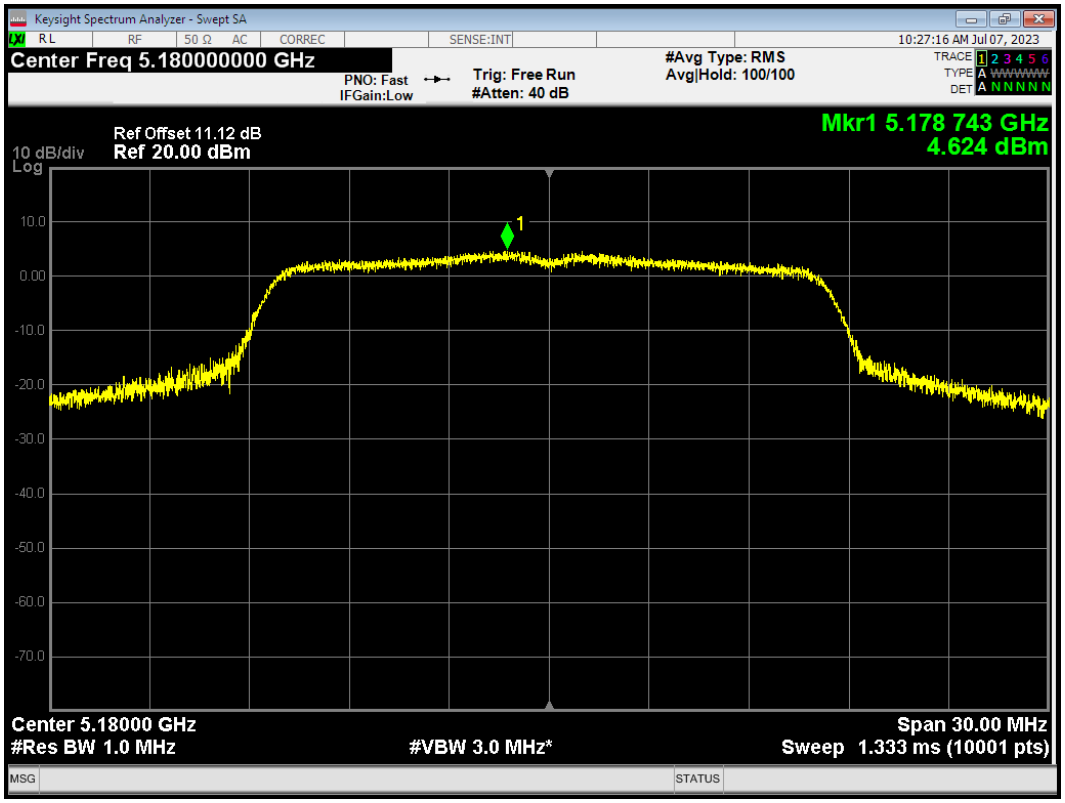
PSD 802.11n(HT40) 5795MHz



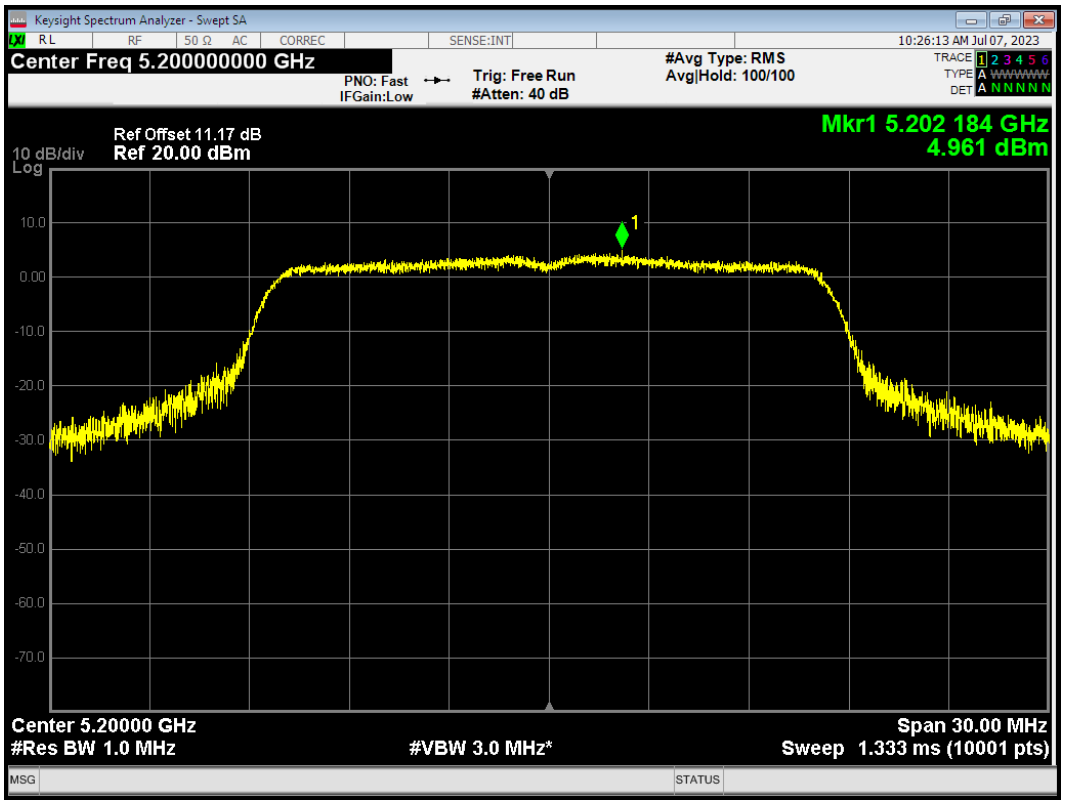
SISO Antenna 2

U-NII-1

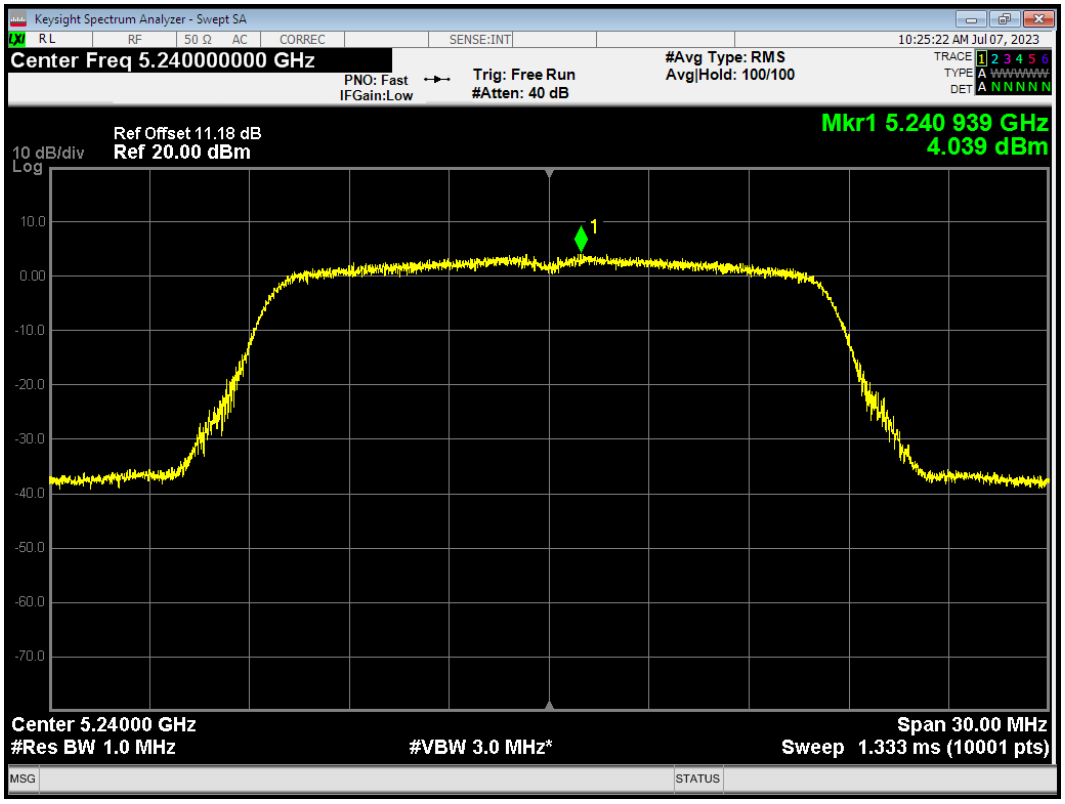
PSD 802.11a 5180MHz



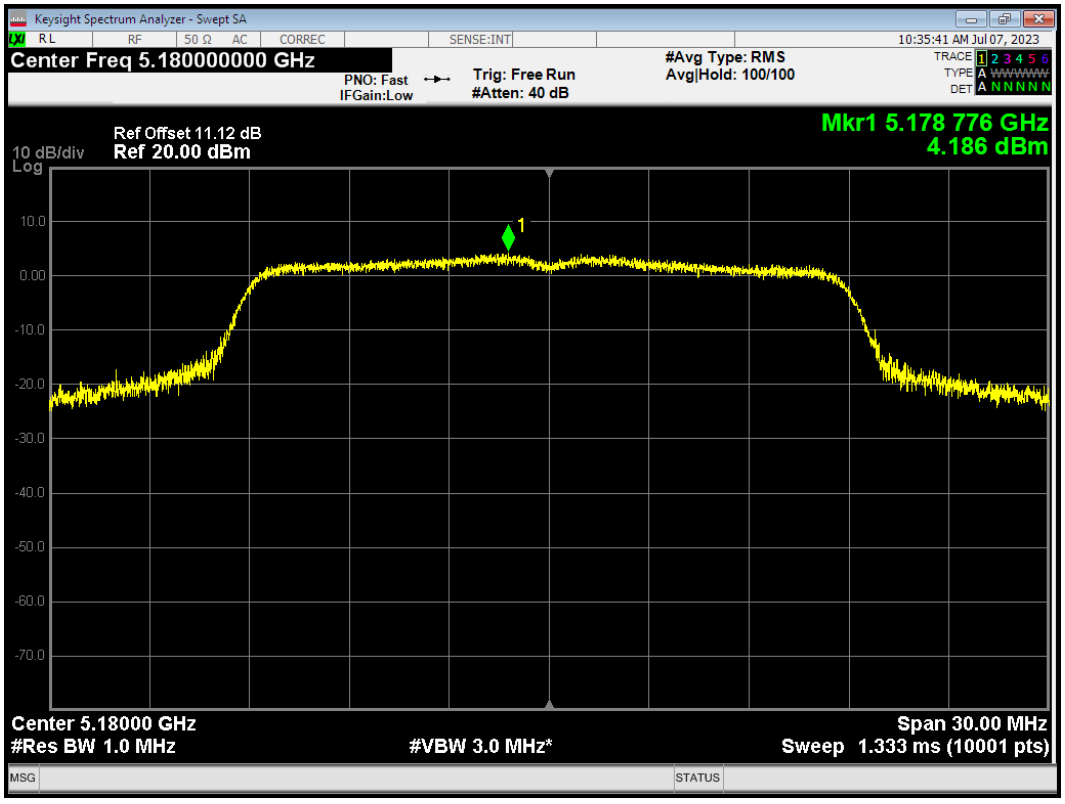
PSD 802.11a 5200MHz



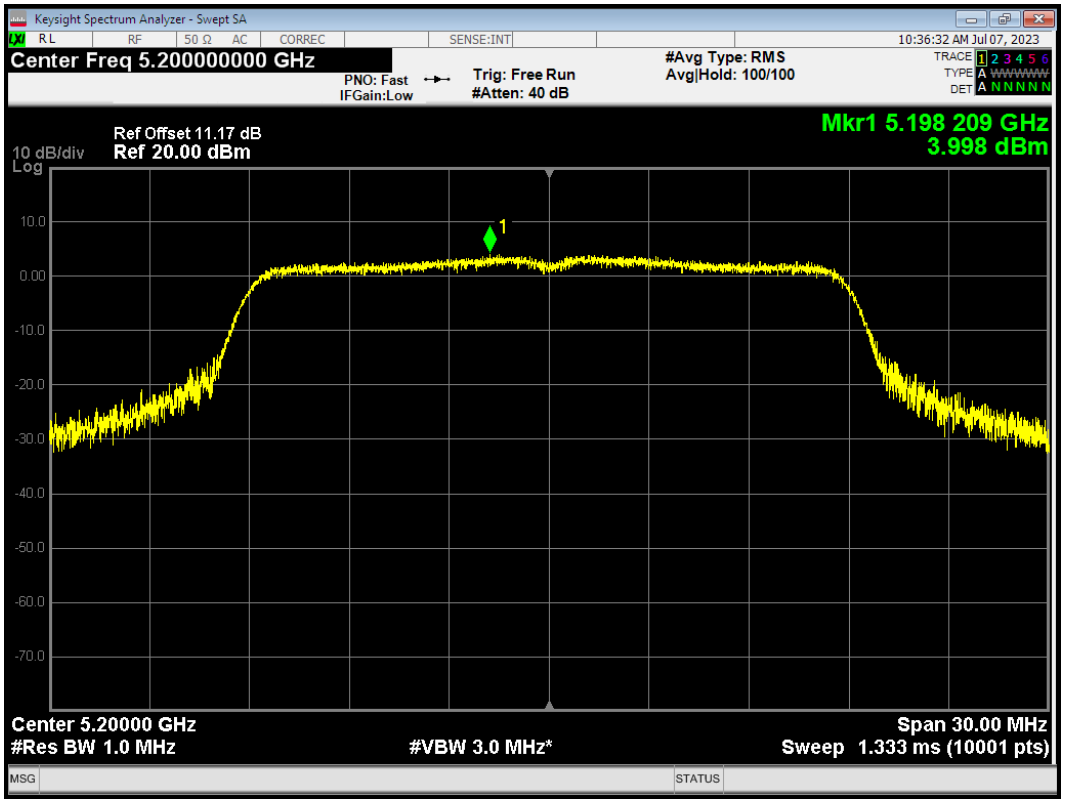
PSD 802.11a 5240MHz



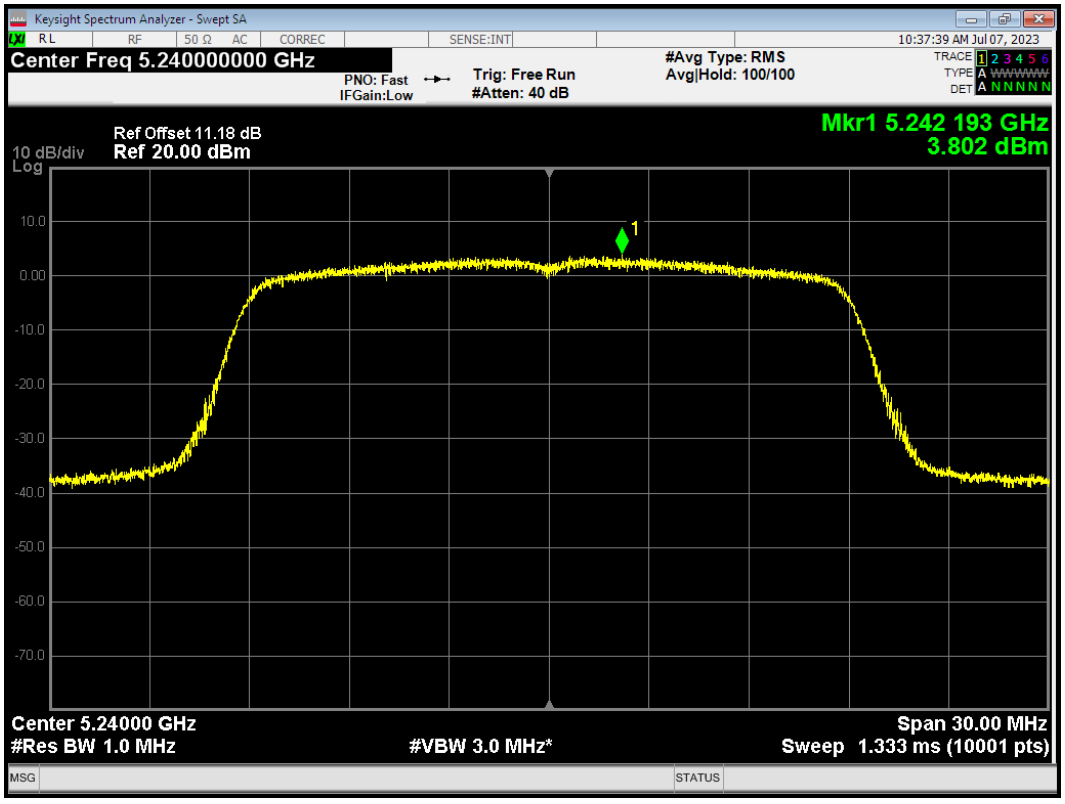
PSD 802.11ac(VHT20) 5180MHz



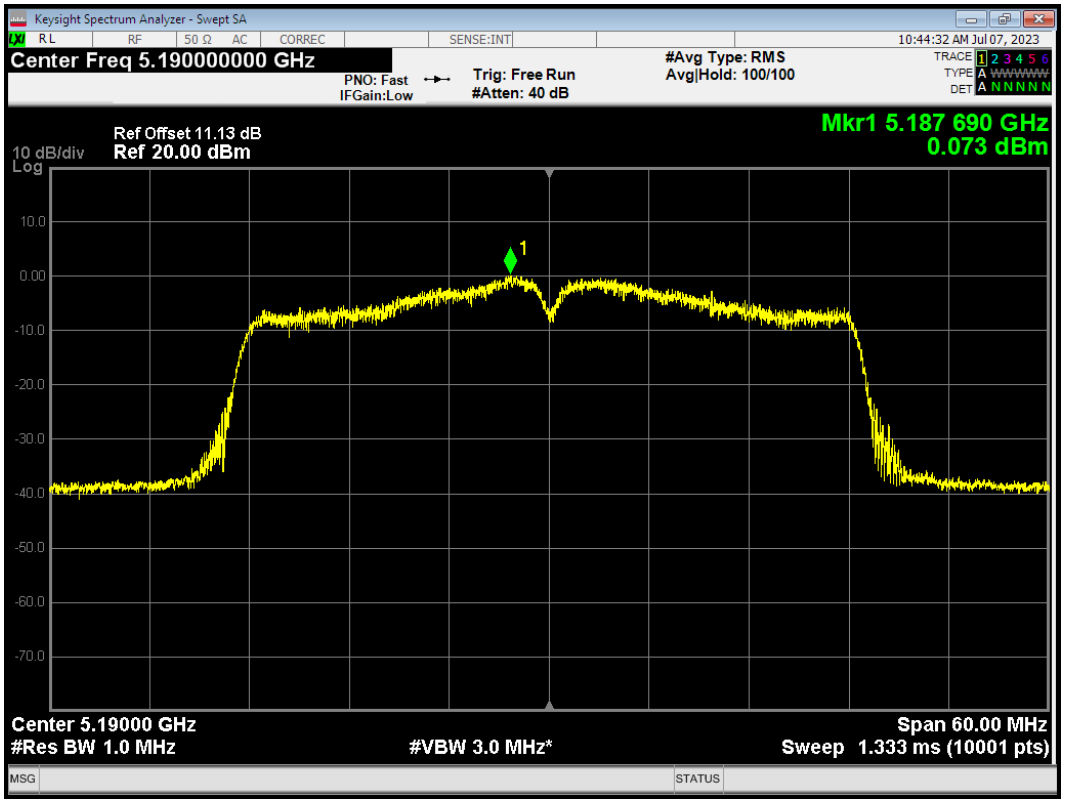
PSD 802.11ac(VHT20) 5200MHz



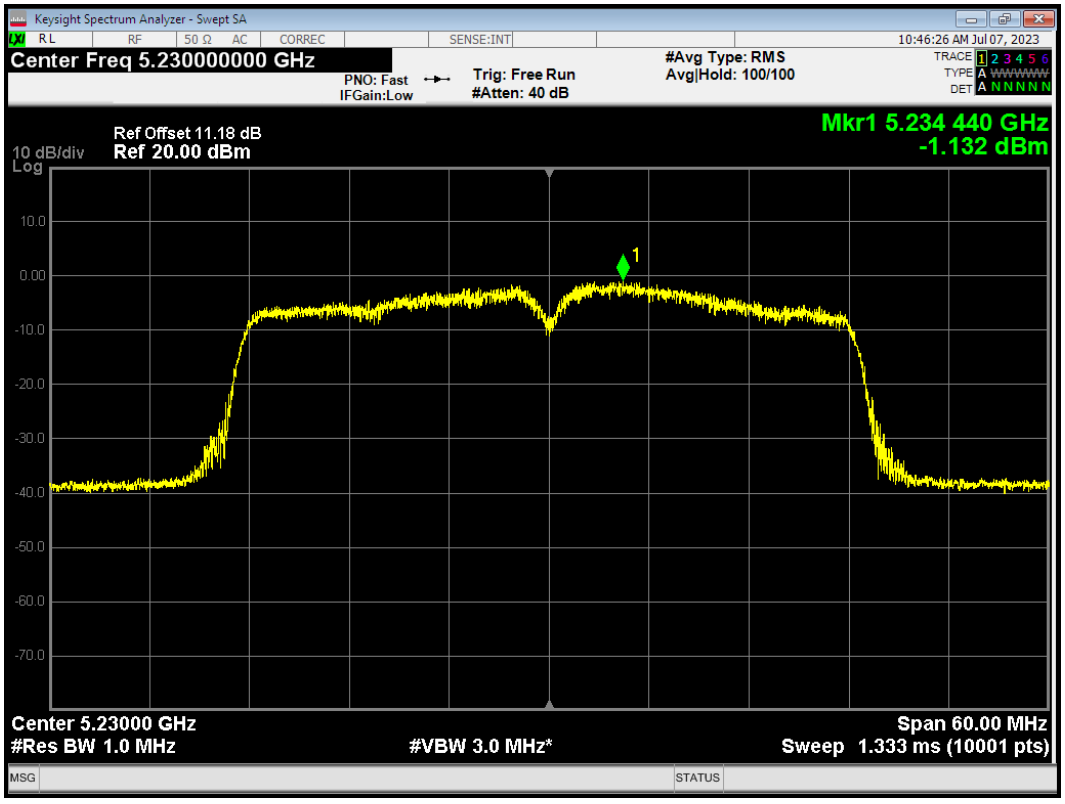
PSD 802.11ac(VHT20) 5240MHz



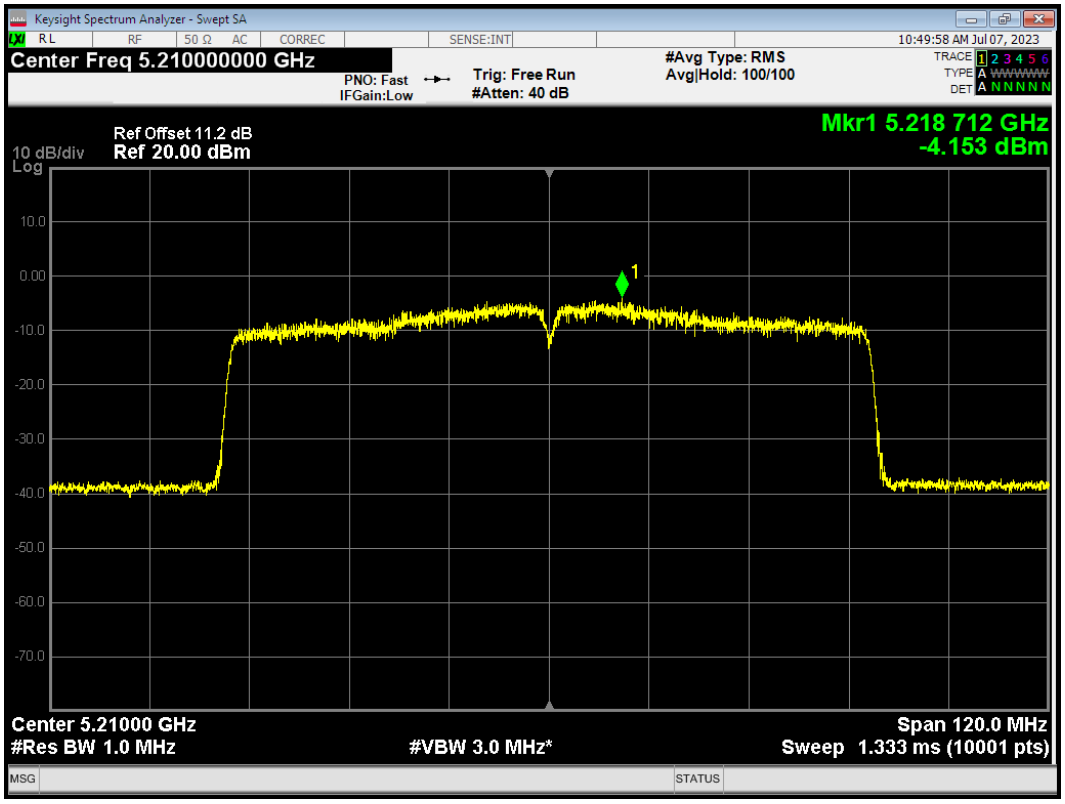
PSD 802.11ac(VHT40) 5190MHz



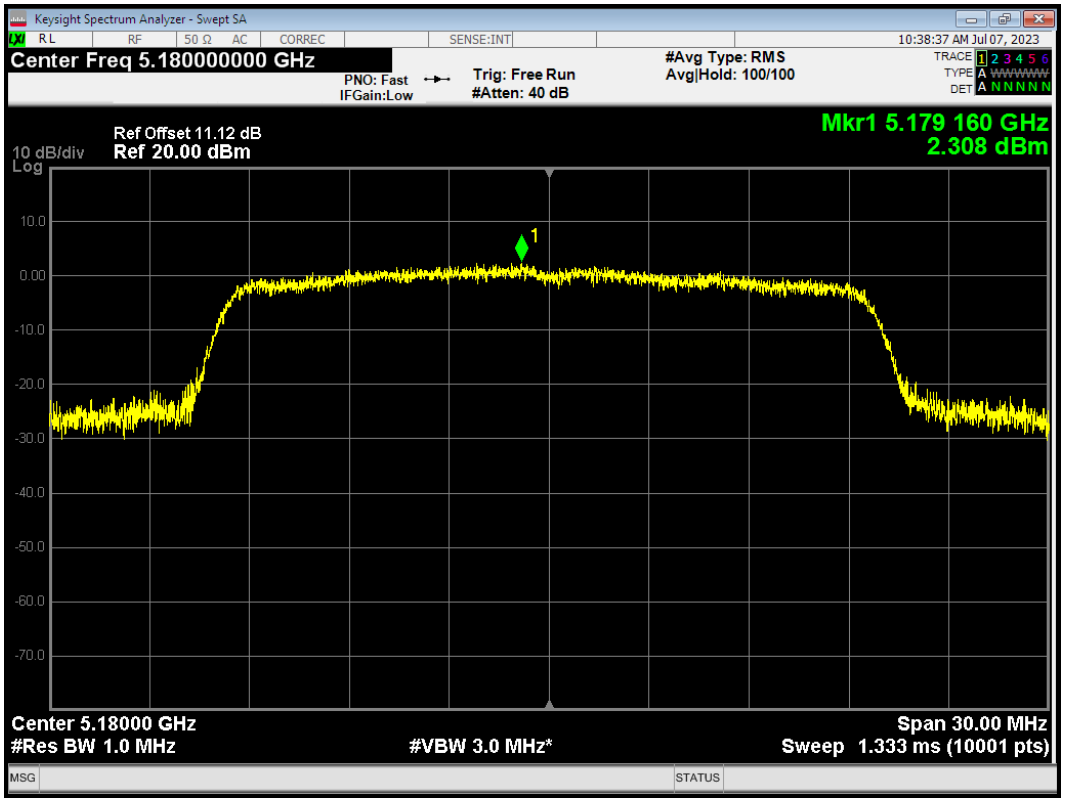
PSD 802.11ac(VHT40) 5230MHz



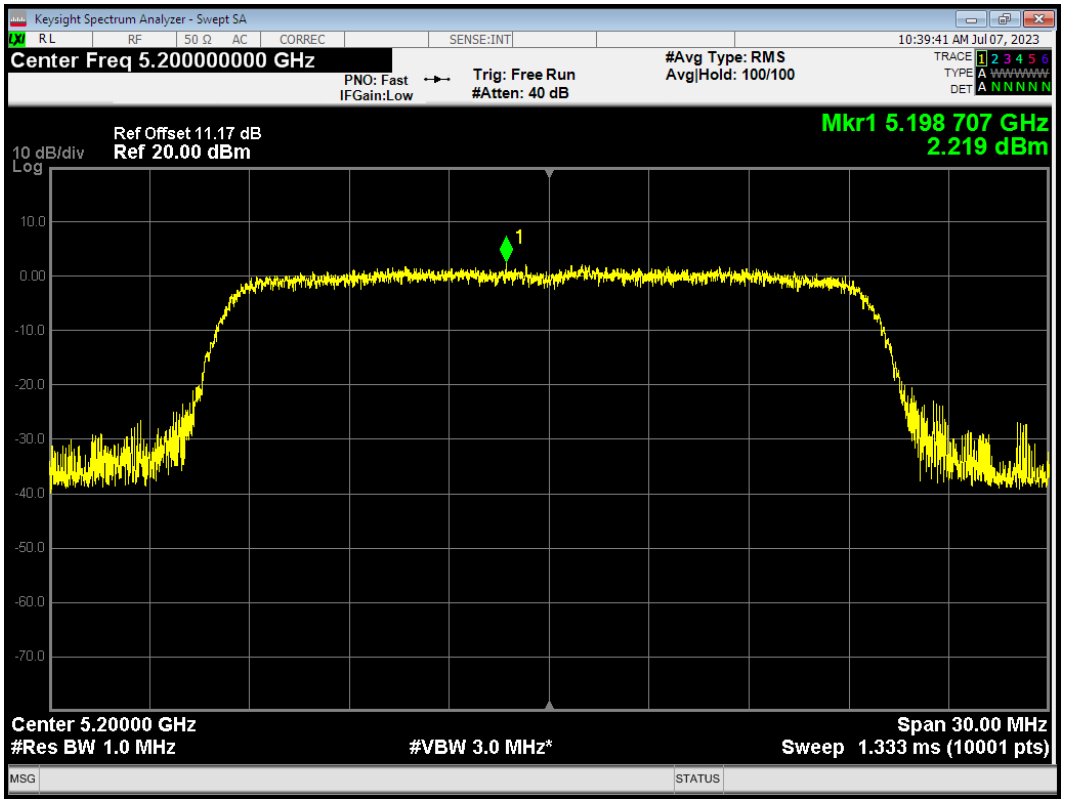
PSD 802.11ac(VHT80) 5210MHz



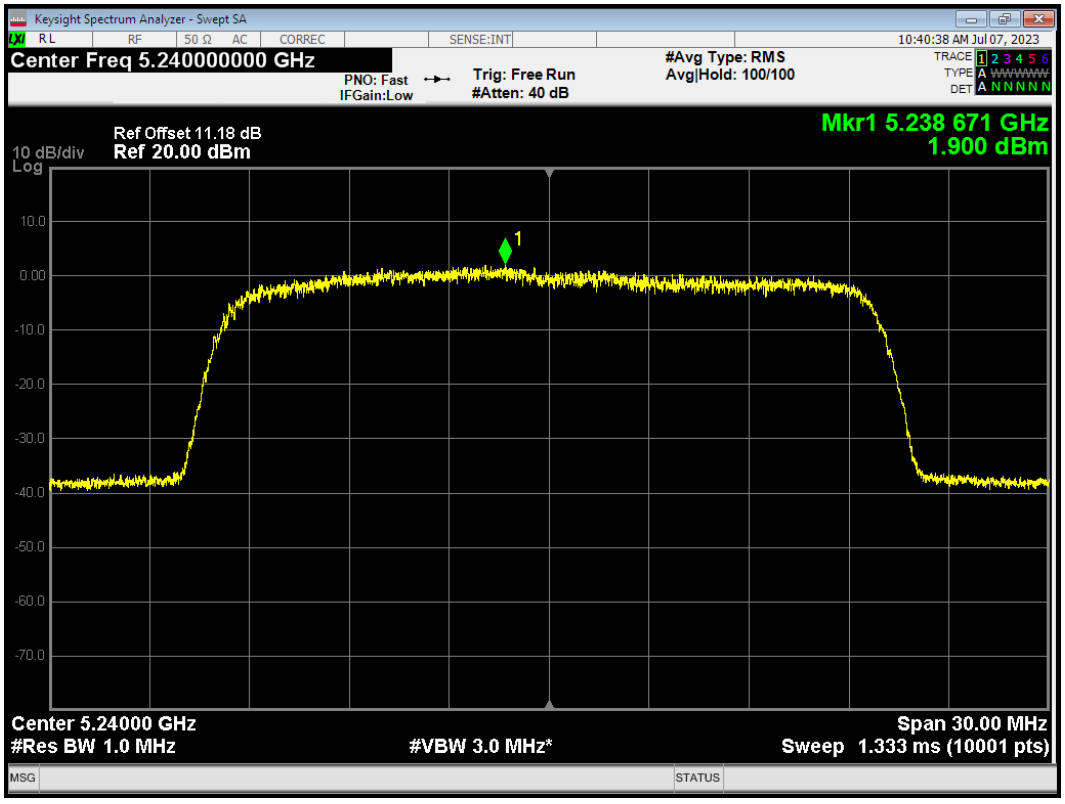
PSD 802.11ax(HE20) 5180MHz



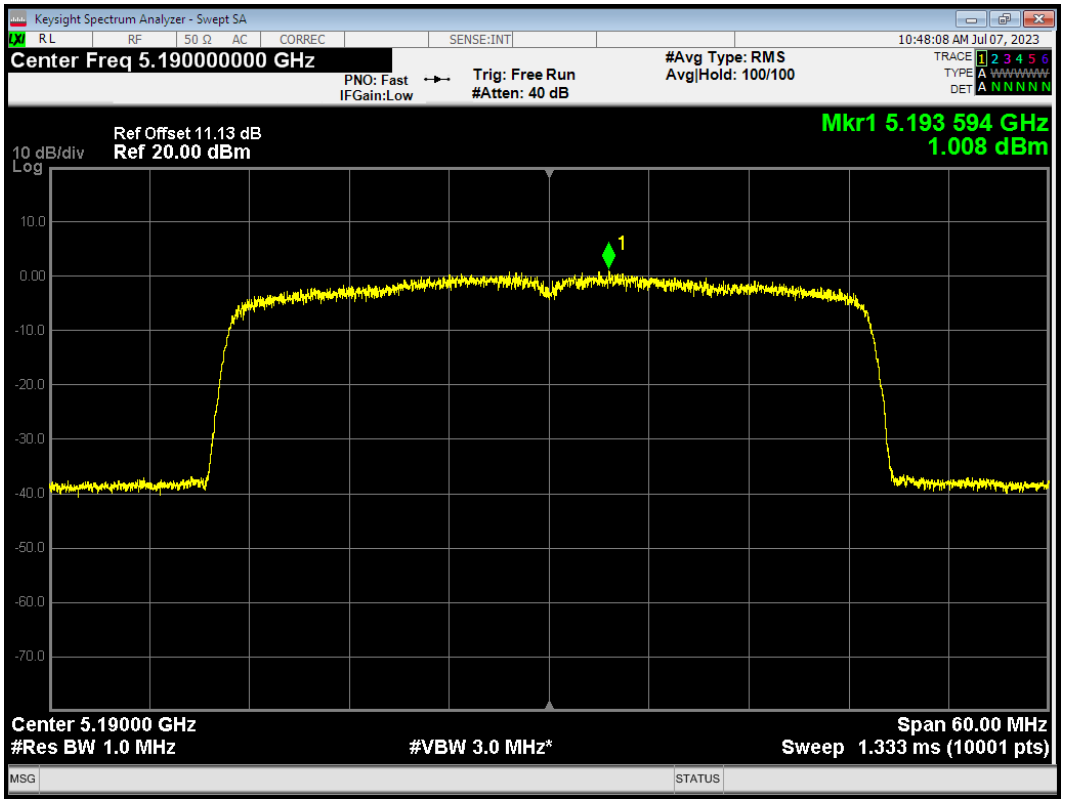
PSD 802.11ax(HE20) 5200MHz



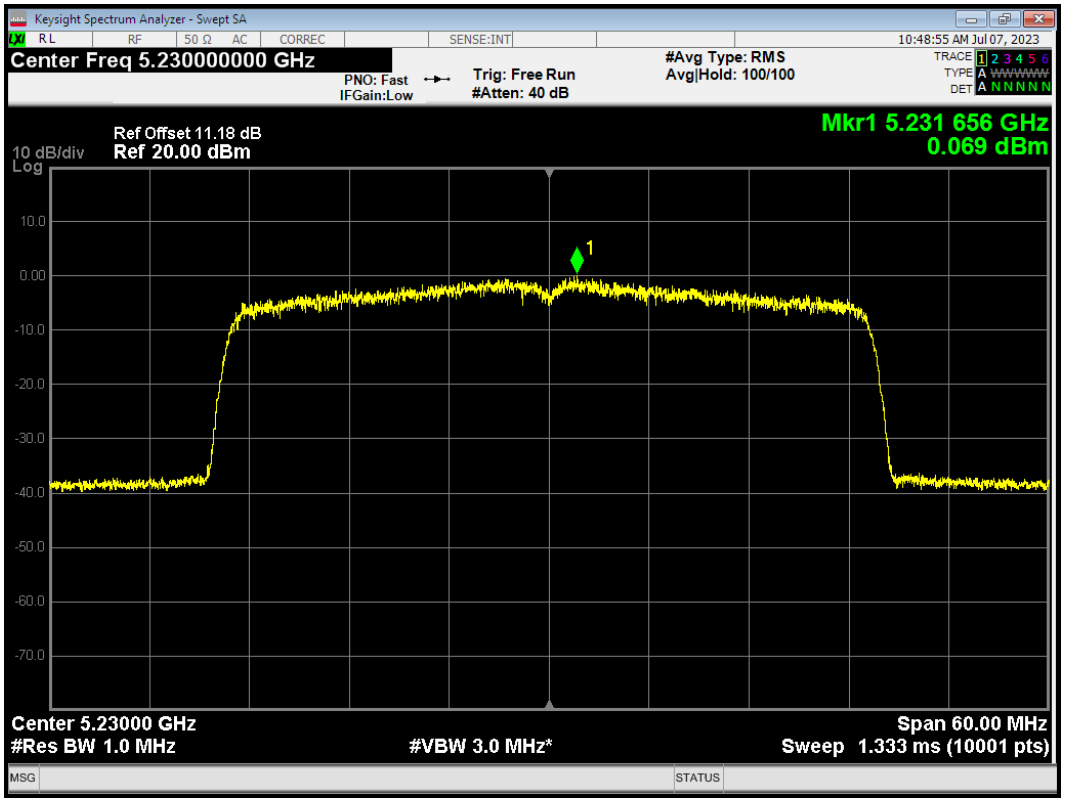
PSD 802.11ax(HE20) 5240MHz



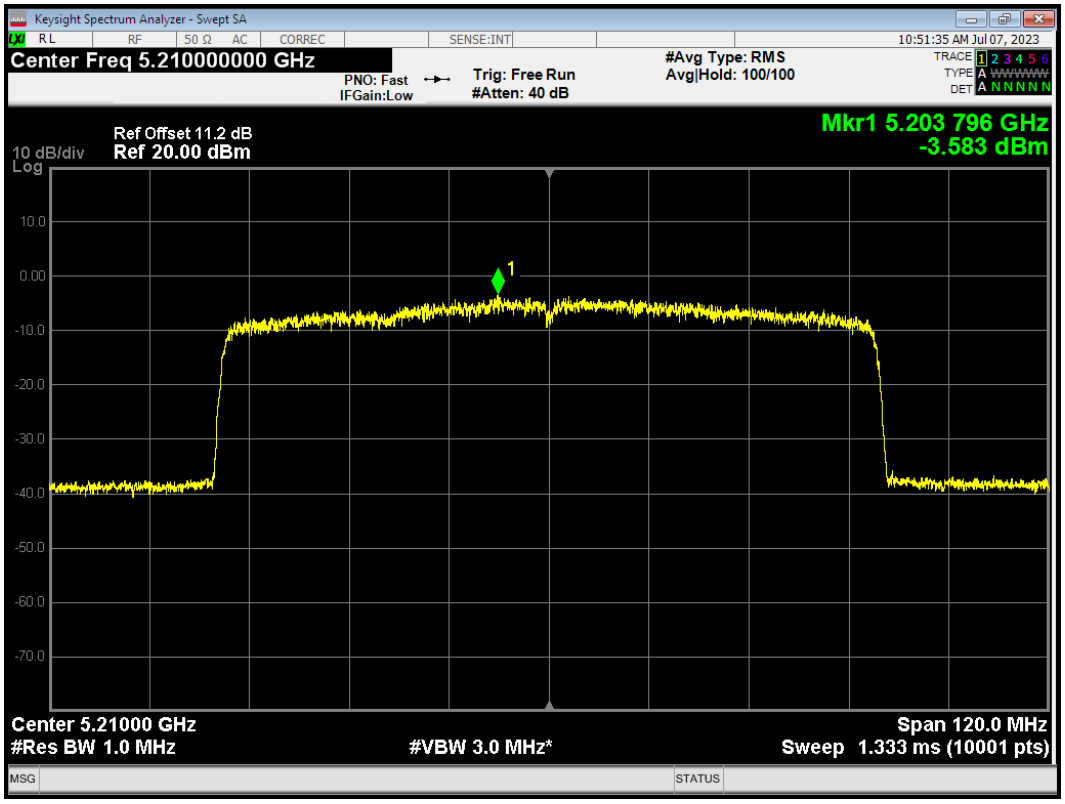
PSD 802.11ax(HE40) 5190MHz



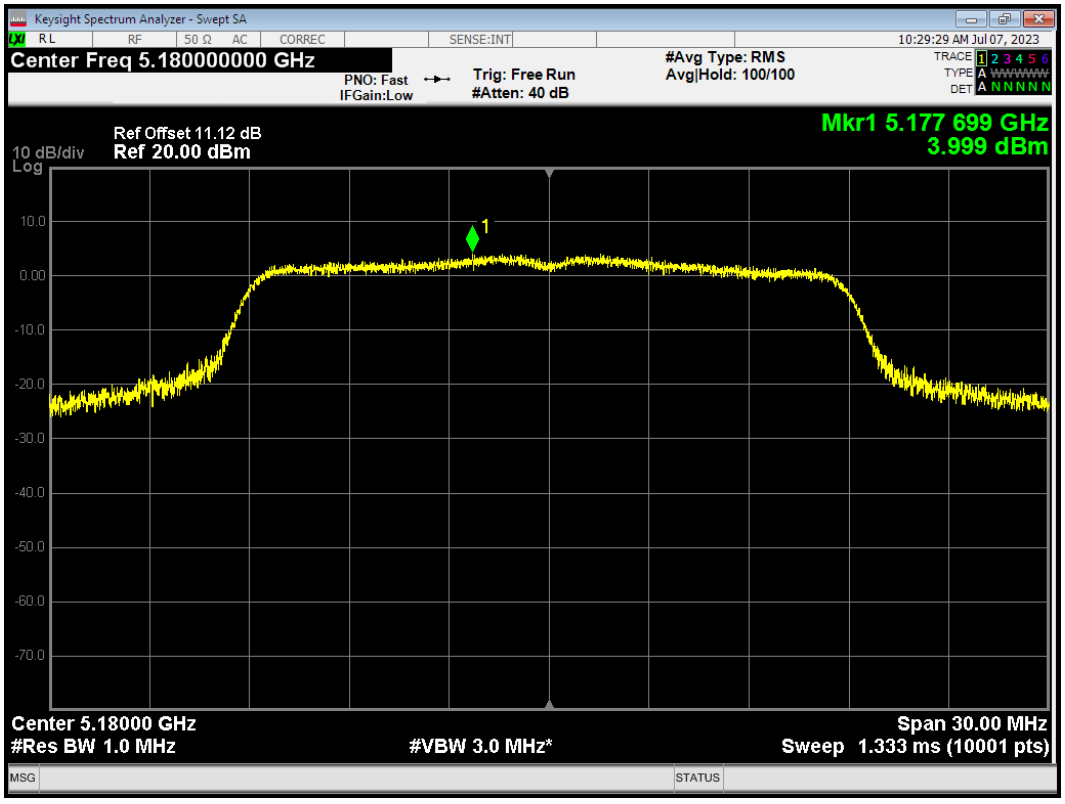
PSD 802.11ax(HE40) 5230MHz



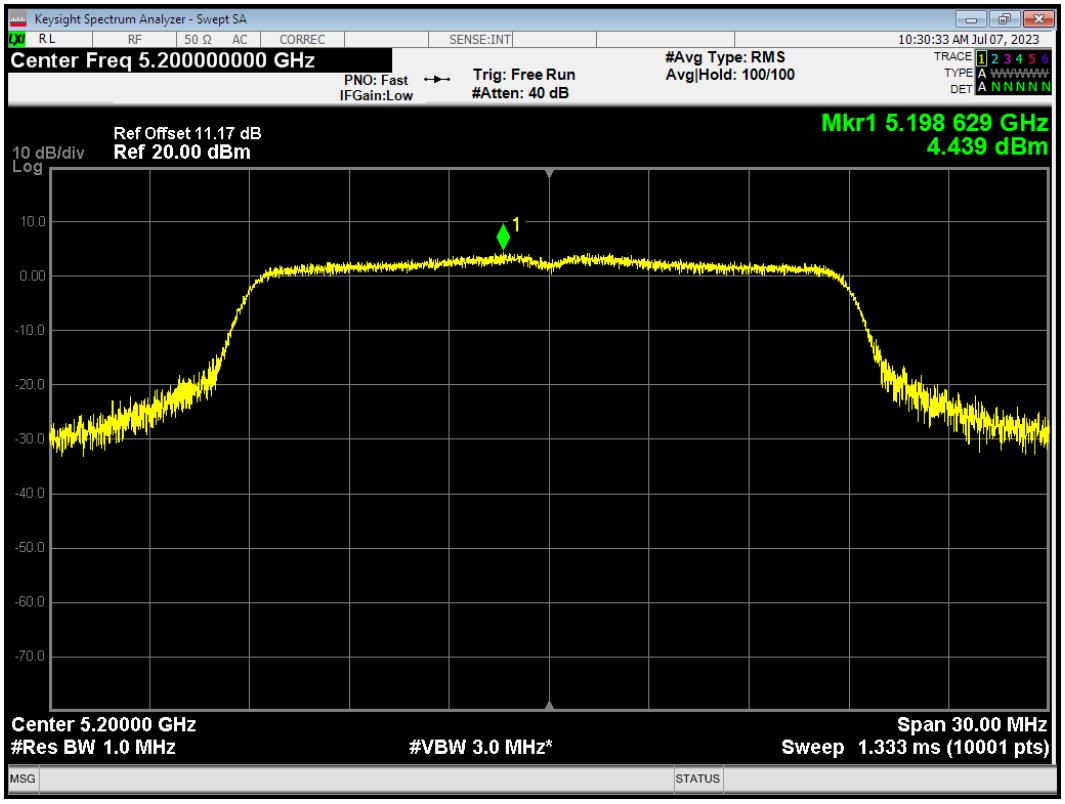
PSD 802.11ax(HE80) 5210MHz



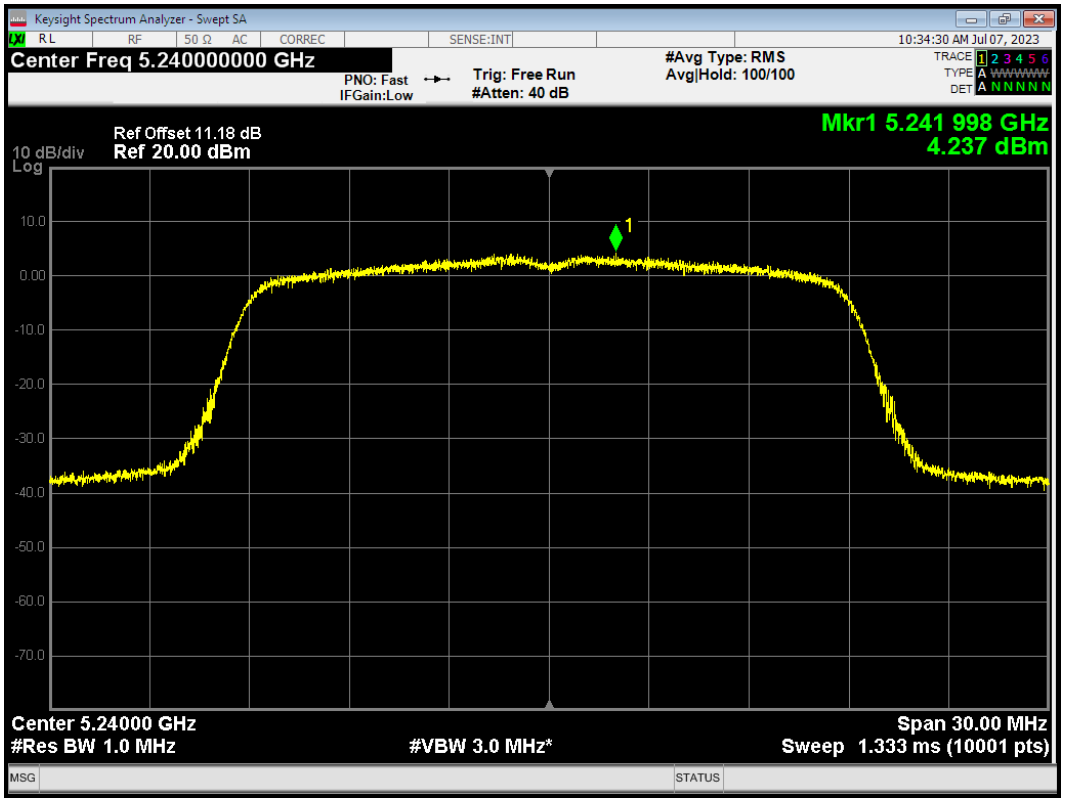
PSD 802.11n(HT20) 5180MHz



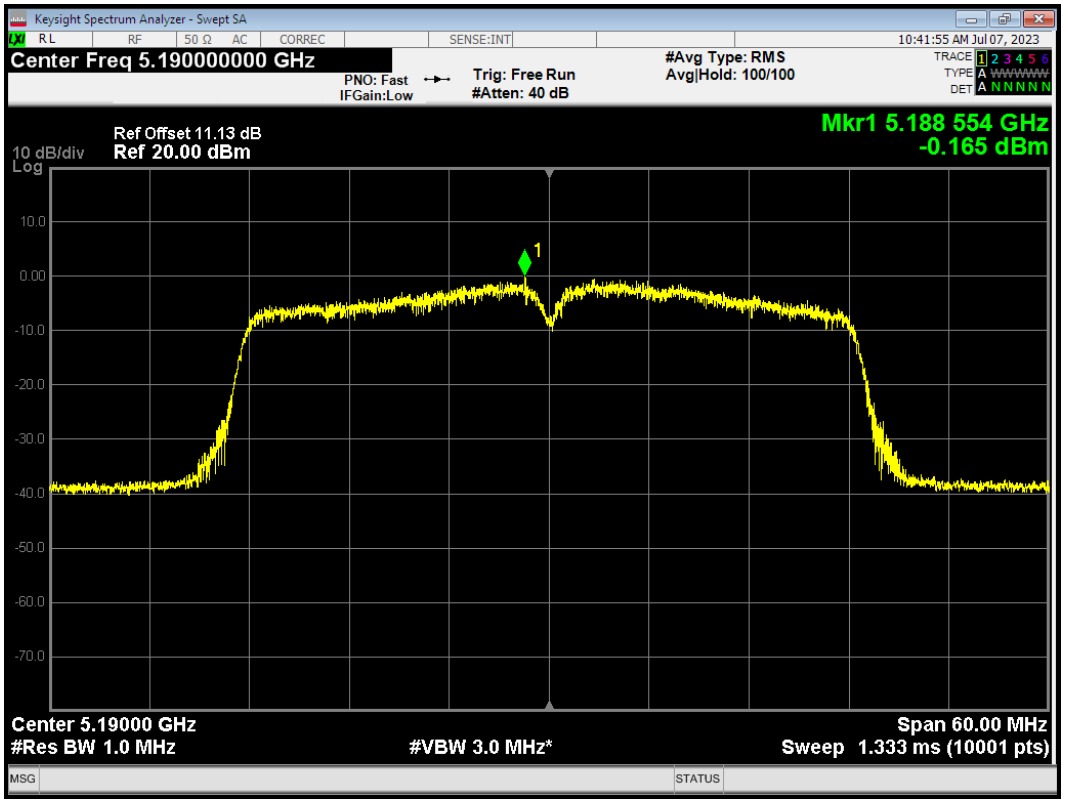
PSD 802.11n(HT20) 5200MHz



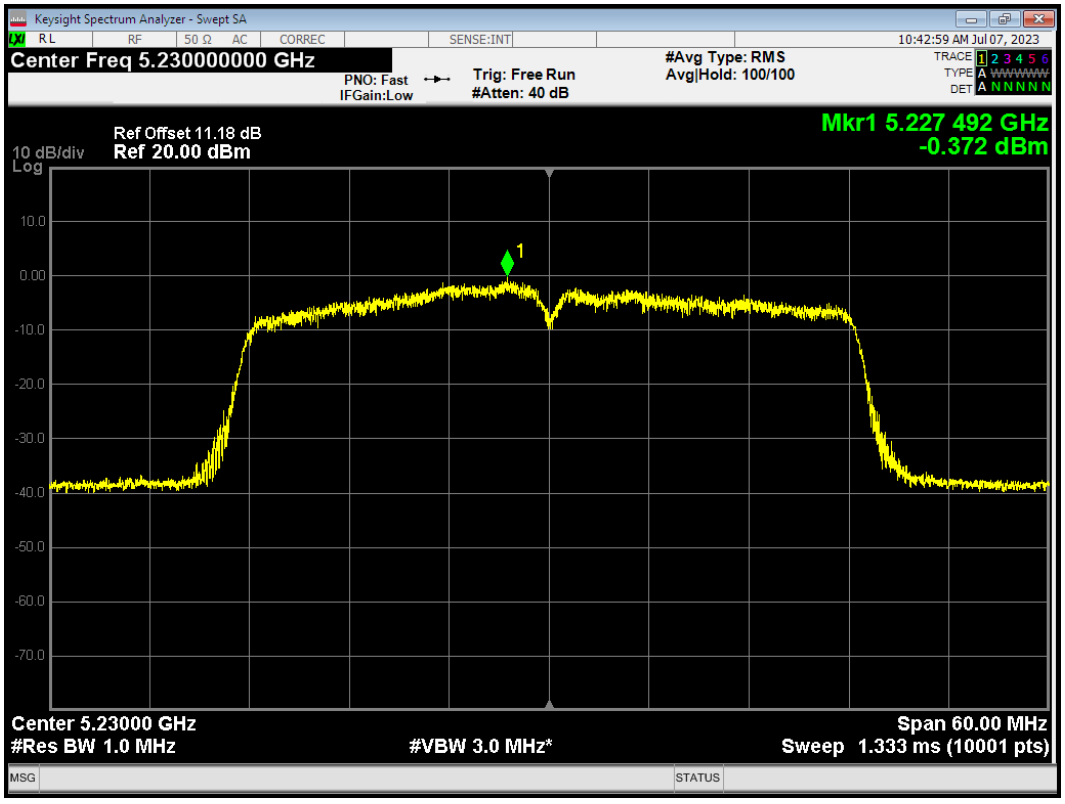
PSD 802.11n(HT20) 5240MHz



PSD 802.11n(HT40) 5190MHz

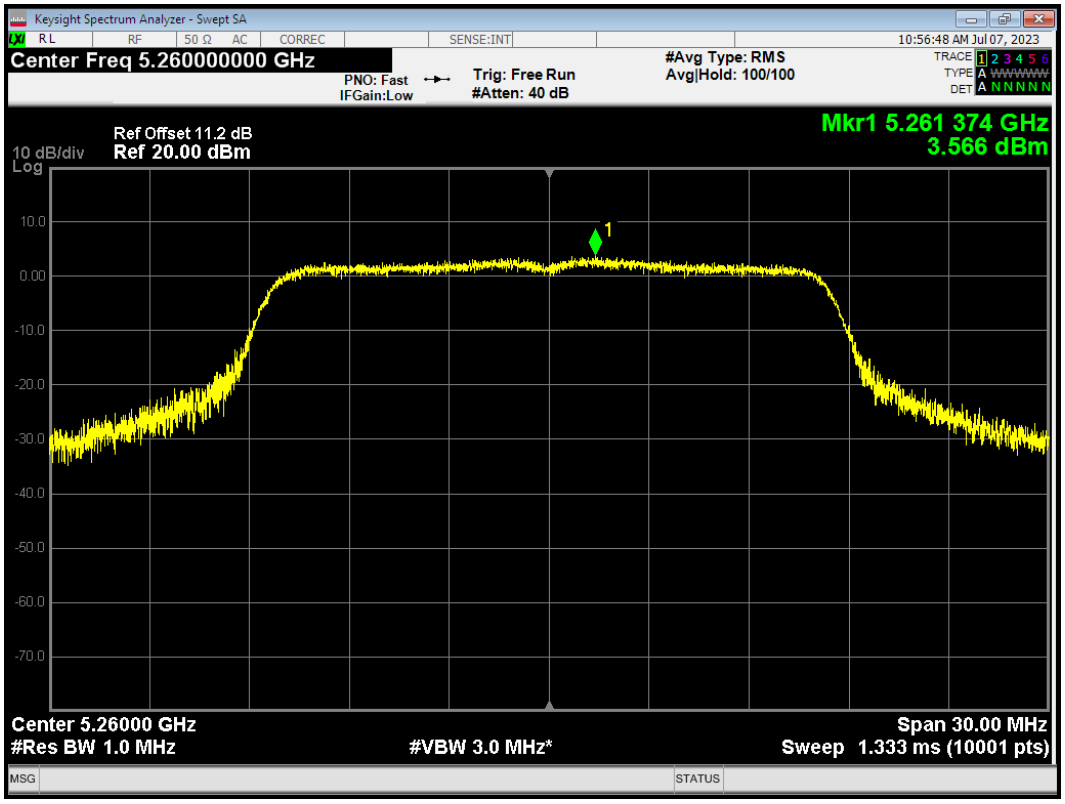


PSD 802.11n(HT40) 5230MHz

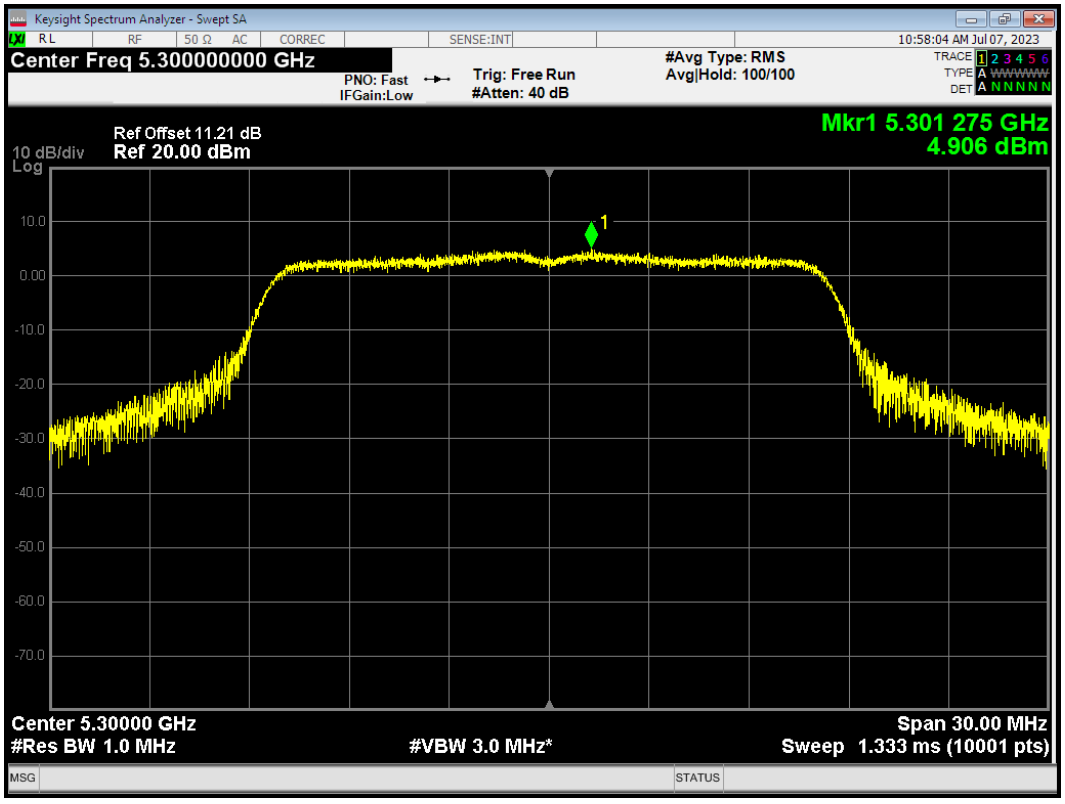


U-NII-2A

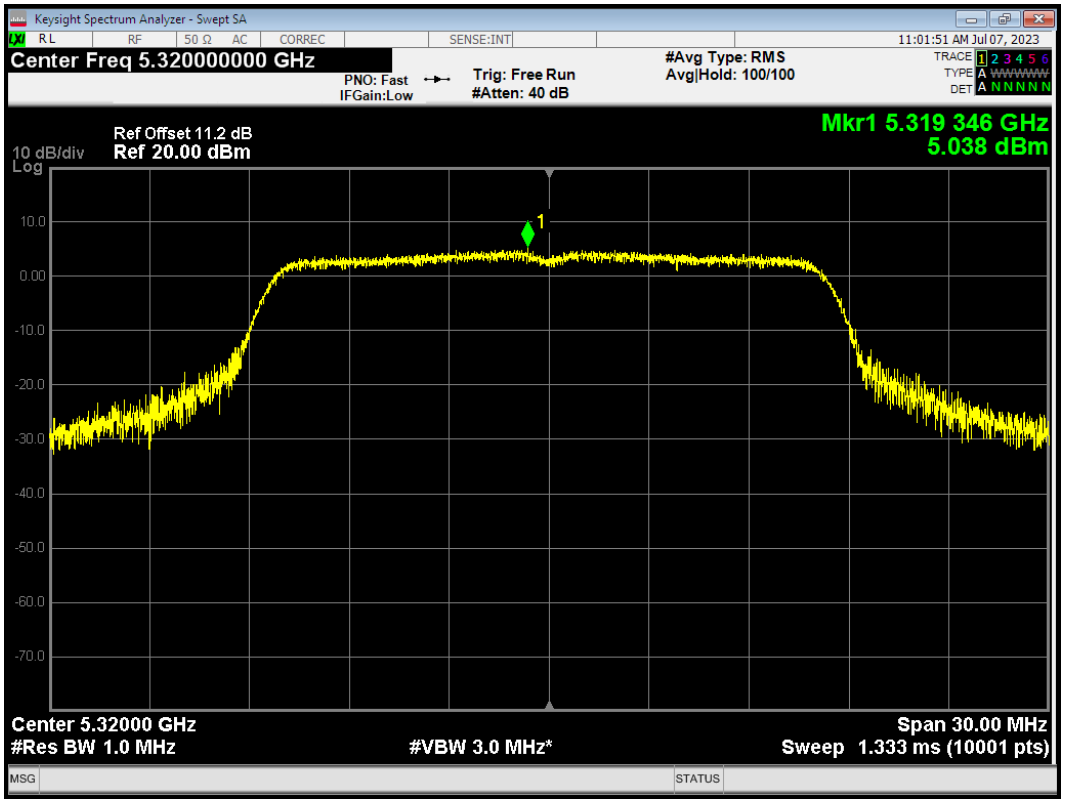
PSD 802.11a 5260MHz



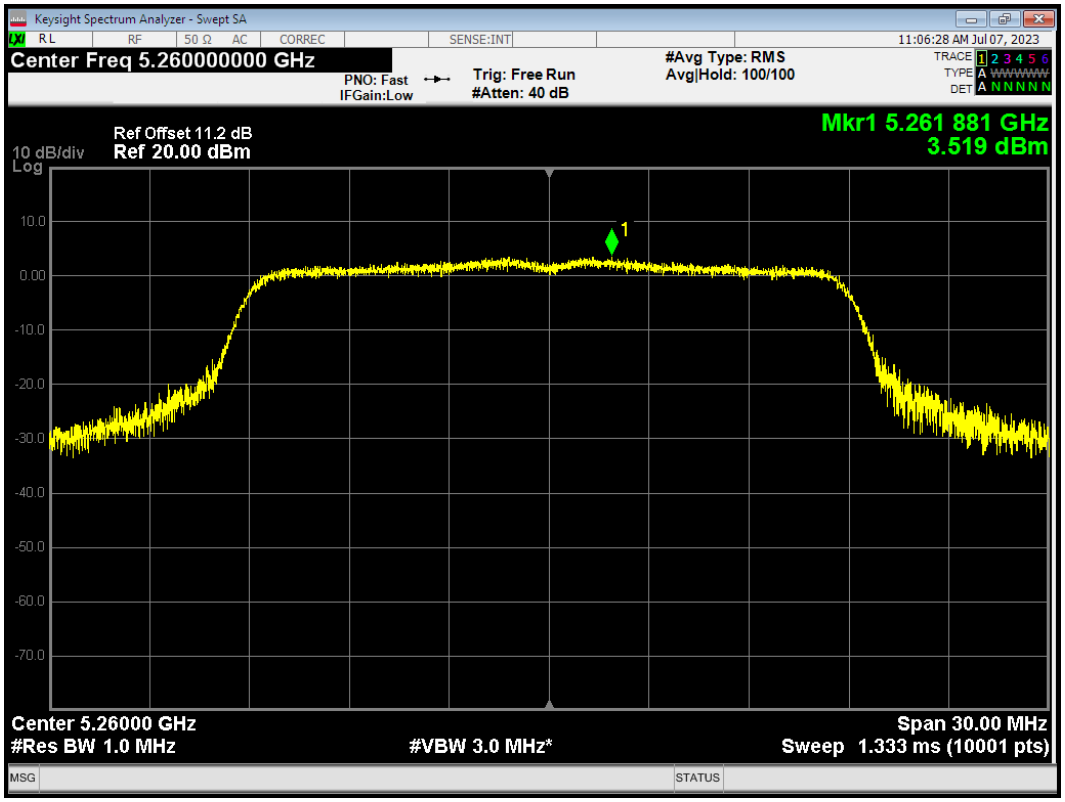
PSD 802.11a 5300MHz



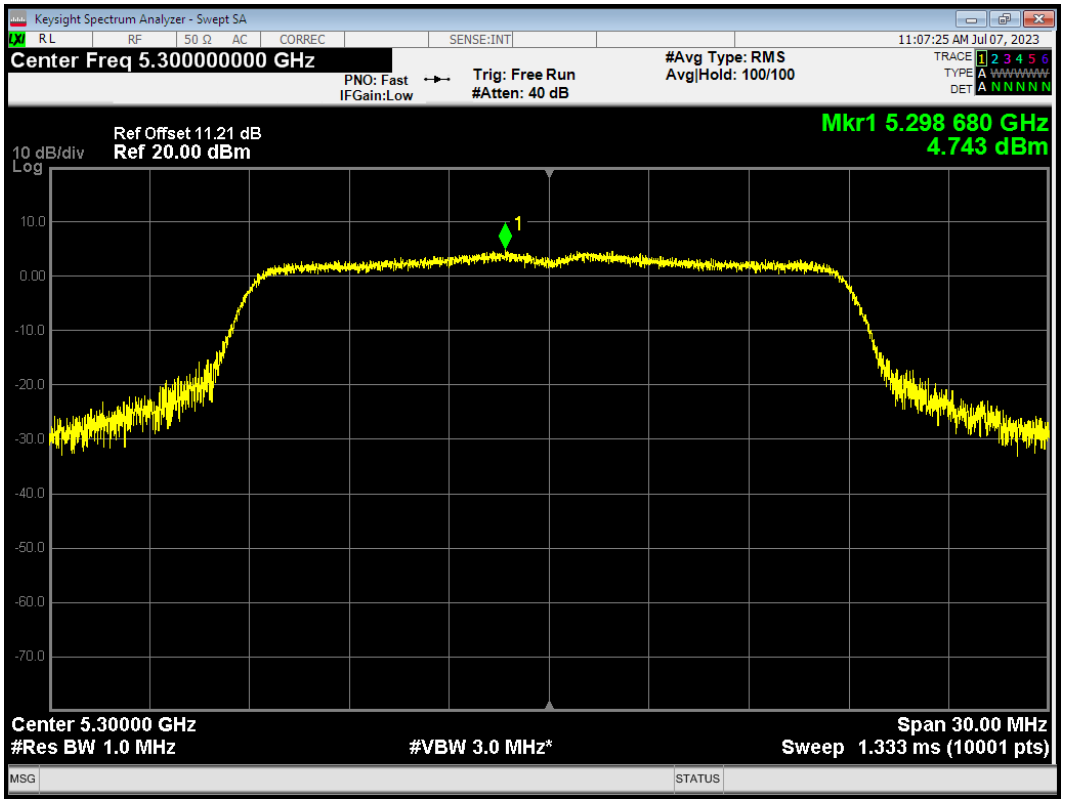
PSD 802.11a 5320MHz



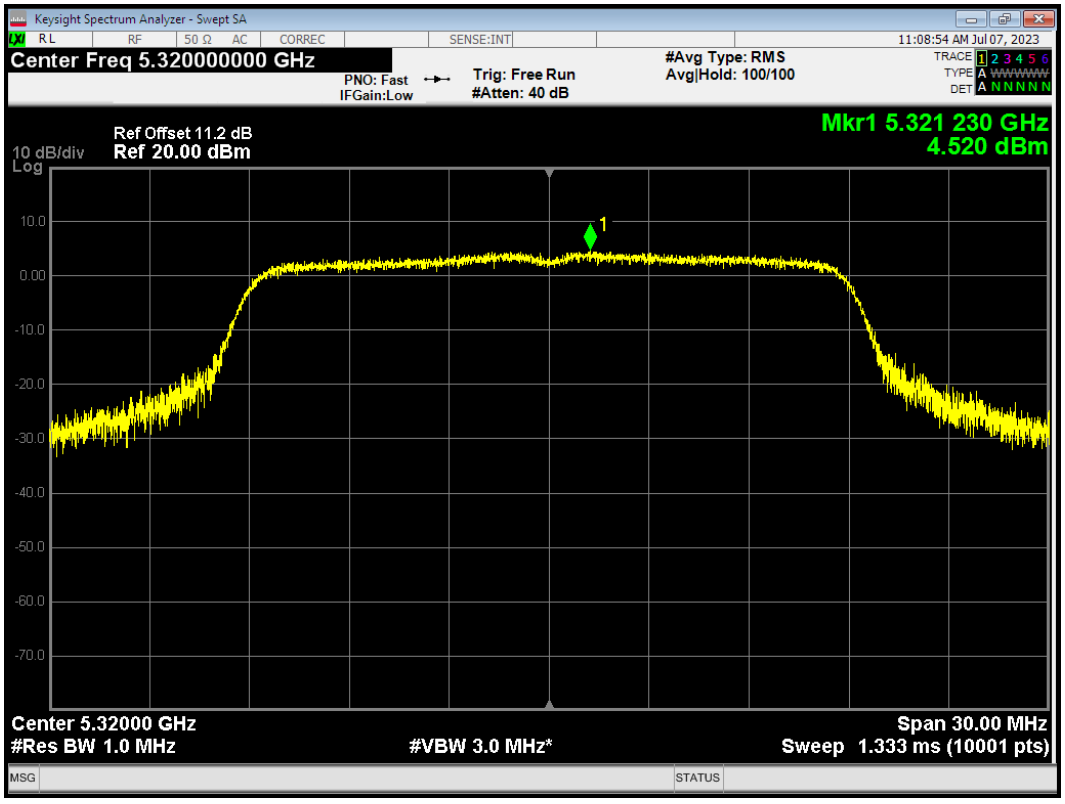
PSD 802.11ac(VHT20) 5260MHz



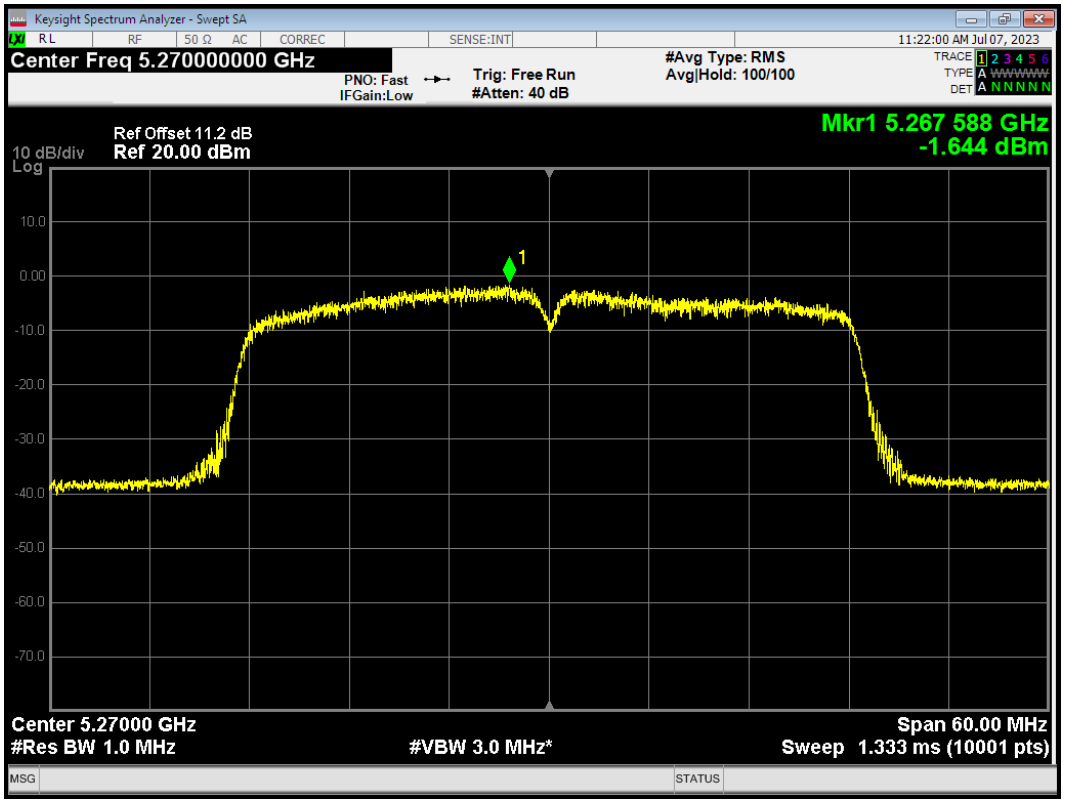
PSD 802.11ac(VHT20) 5300MHz



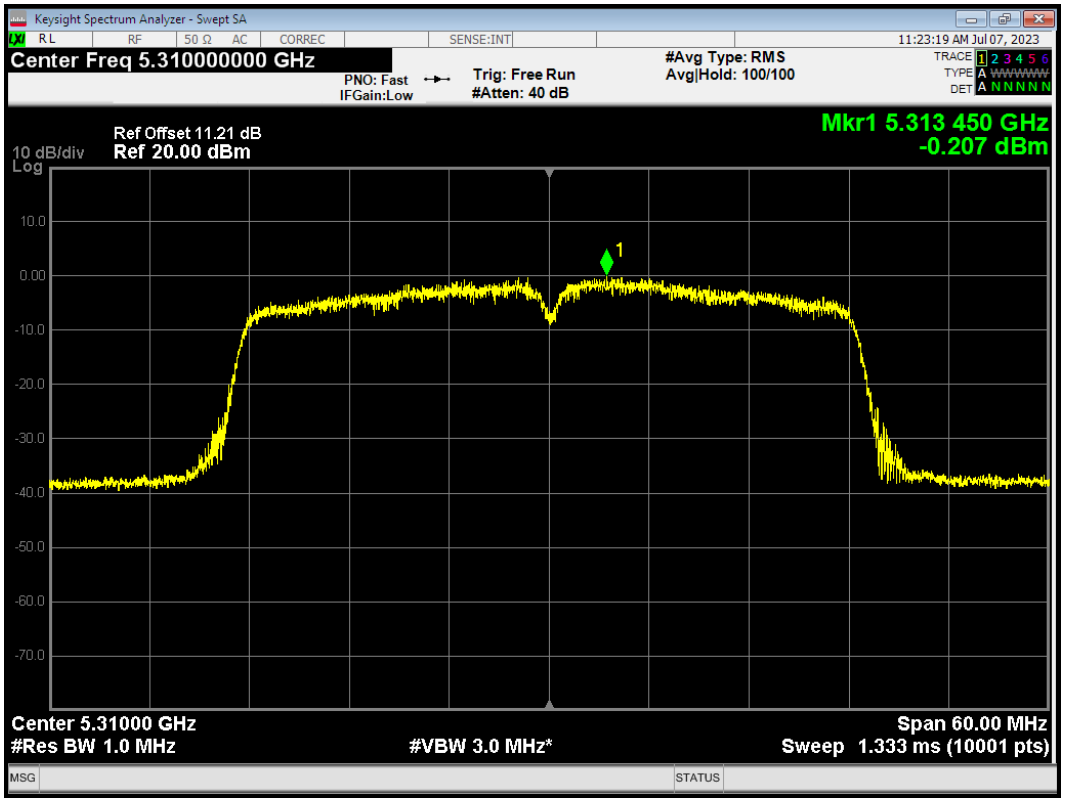
PSD 802.11ac(VHT20) 5320MHz



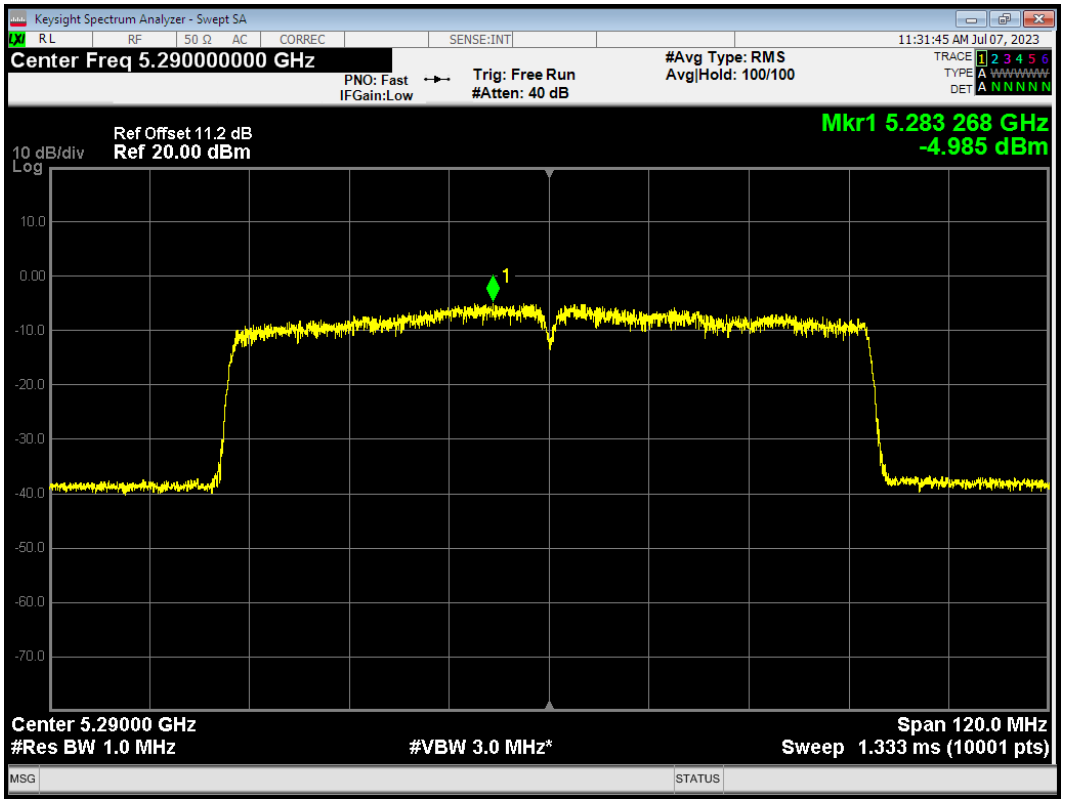
PSD 802.11ac(VHT40) 5270MHz



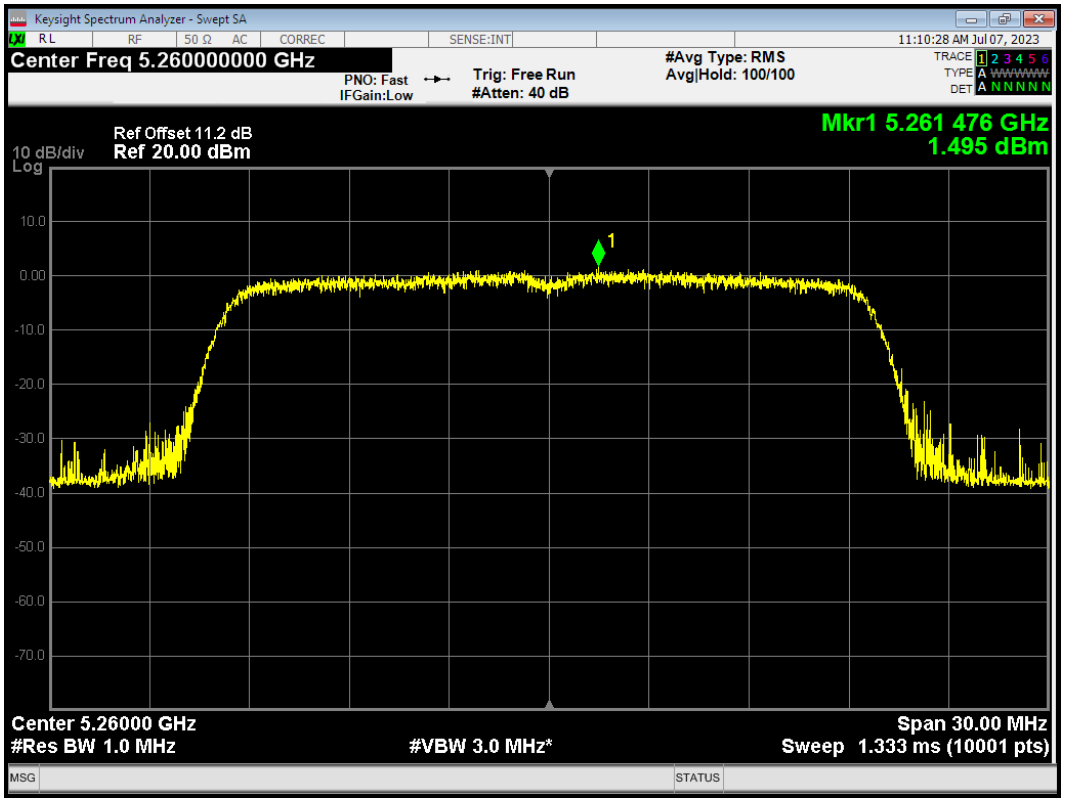
PSD 802.11ac(VHT40) 5310MHz



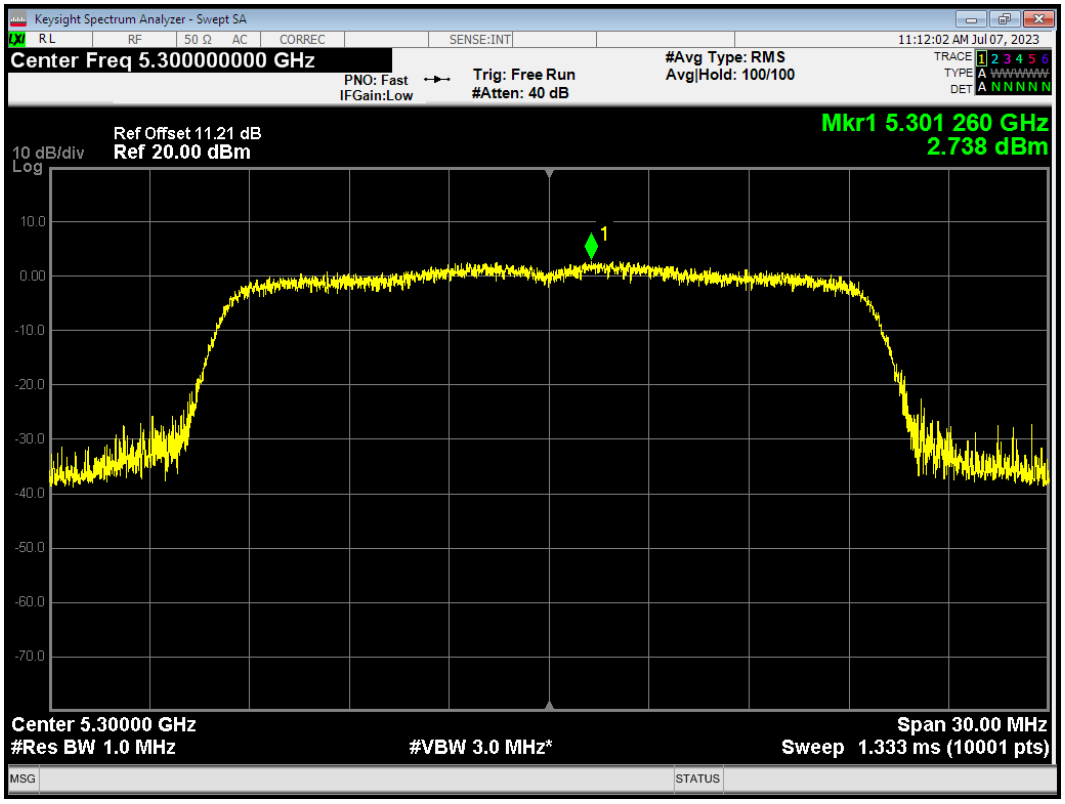
PSD 802.11ac(VHT80) 5290MHz



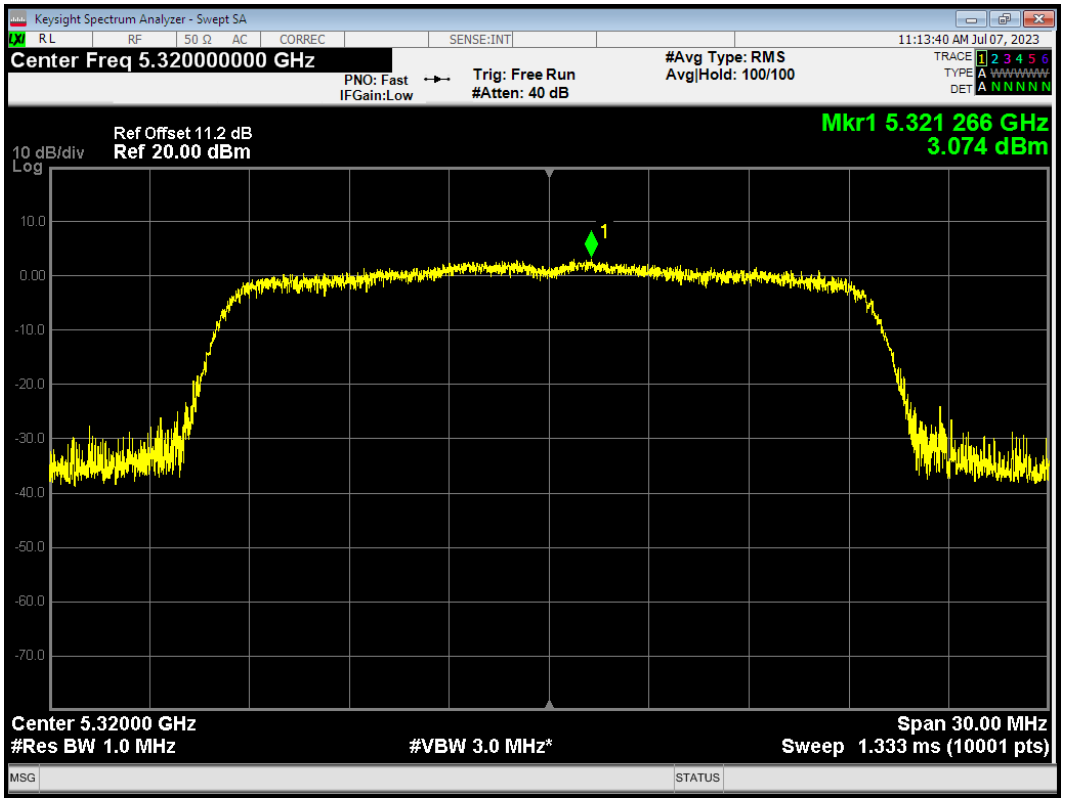
PSD 802.11ax(HE20) 5260MHz



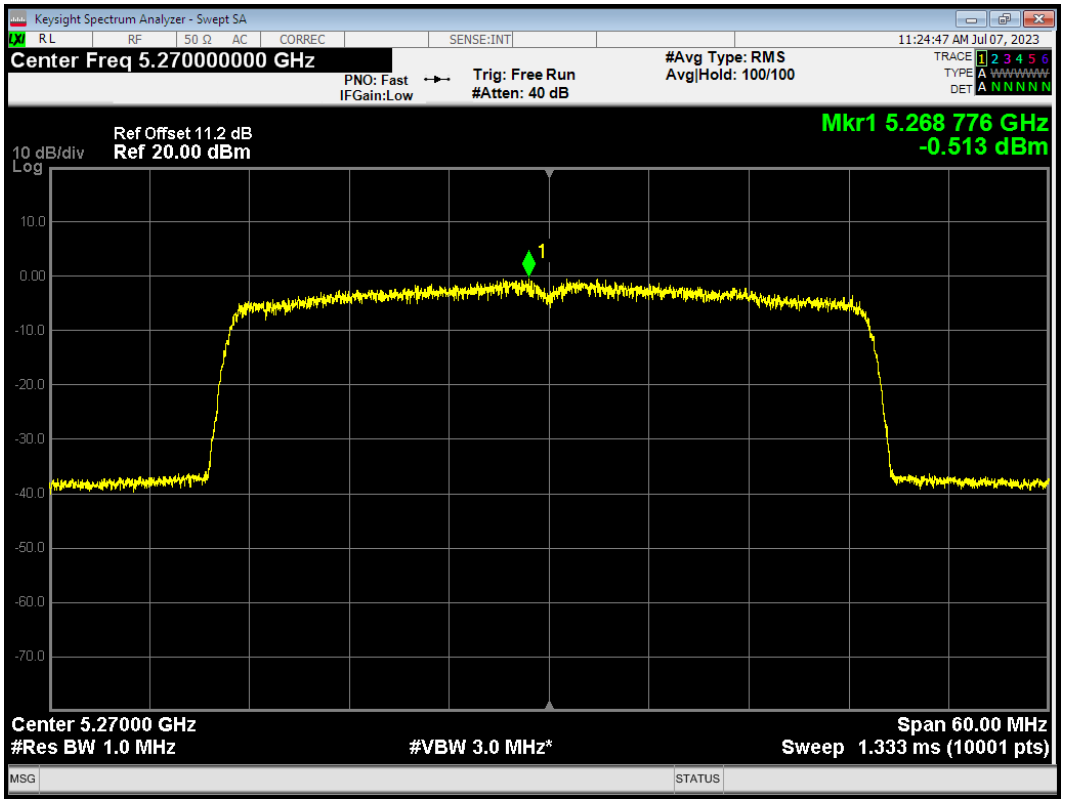
PSD 802.11ax(HE20) 5300MHz



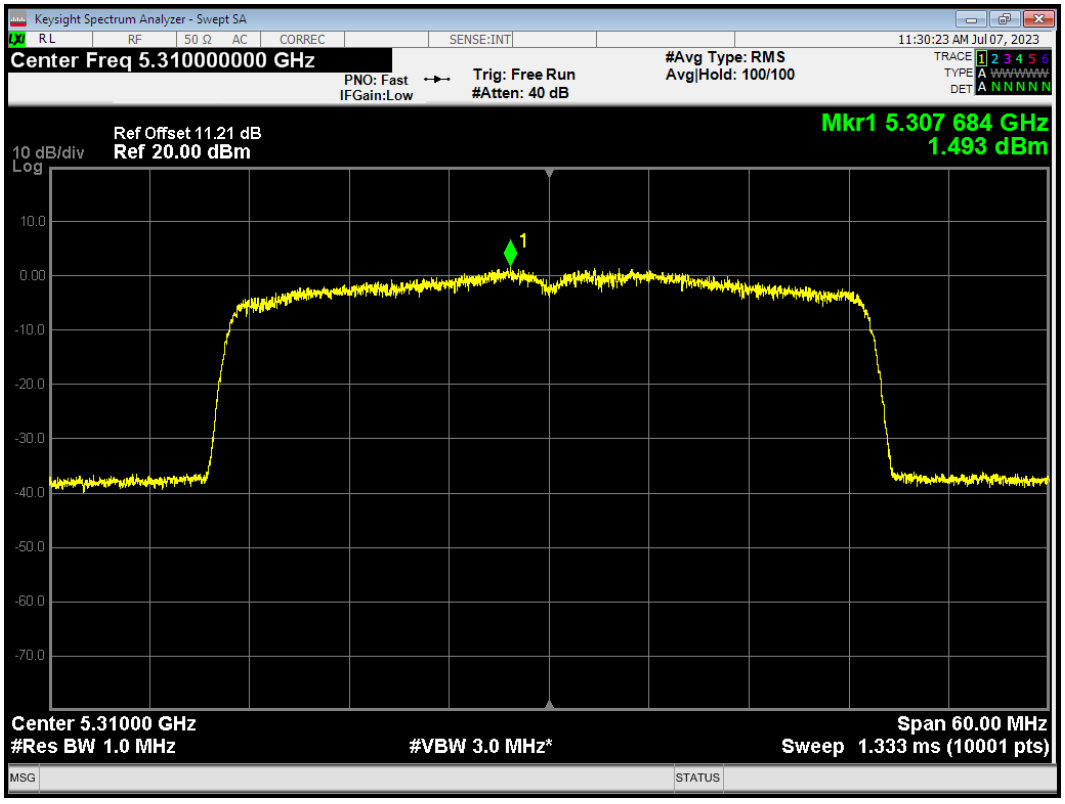
PSD 802.11ax(HE20) 5320MHz



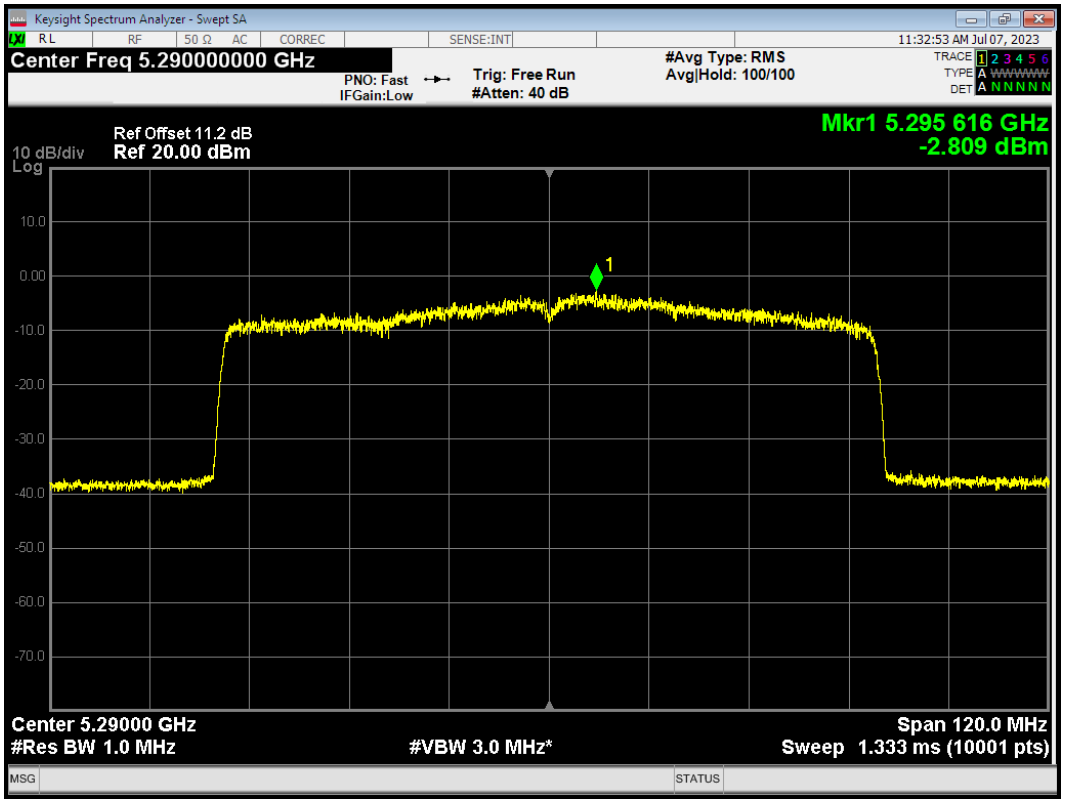
PSD 802.11ax(HE40) 5270MHz



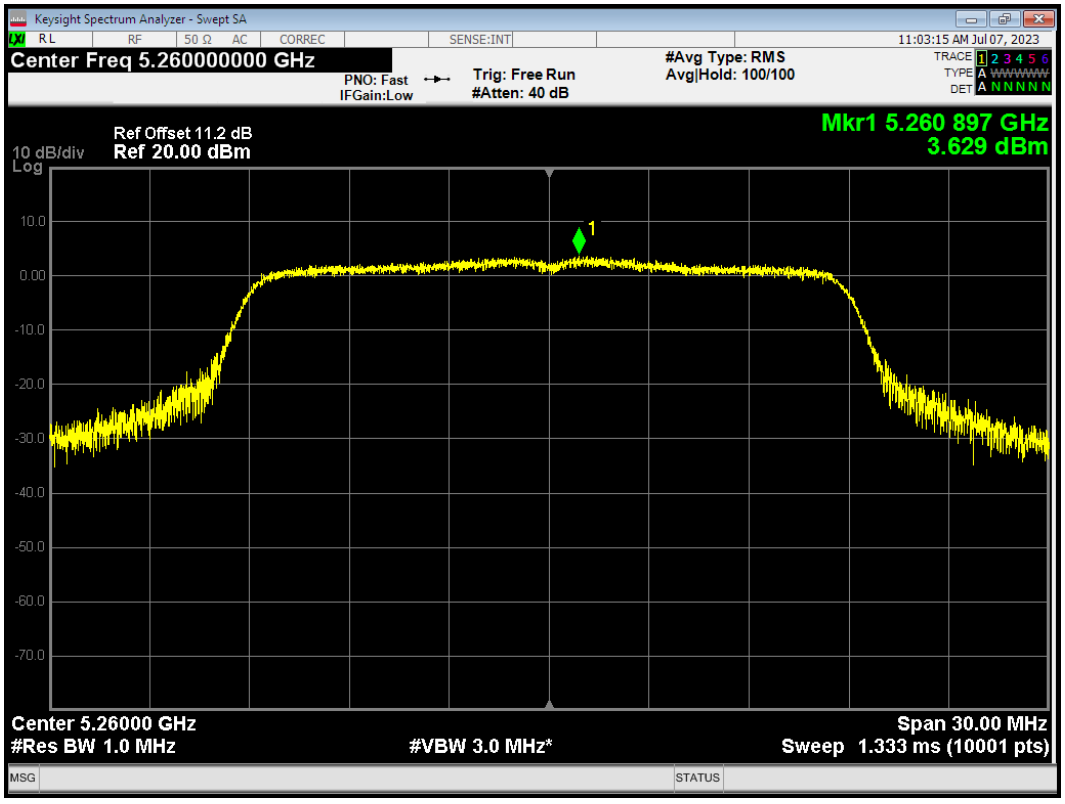
PSD 802.11ax(HE40) 5310MHz



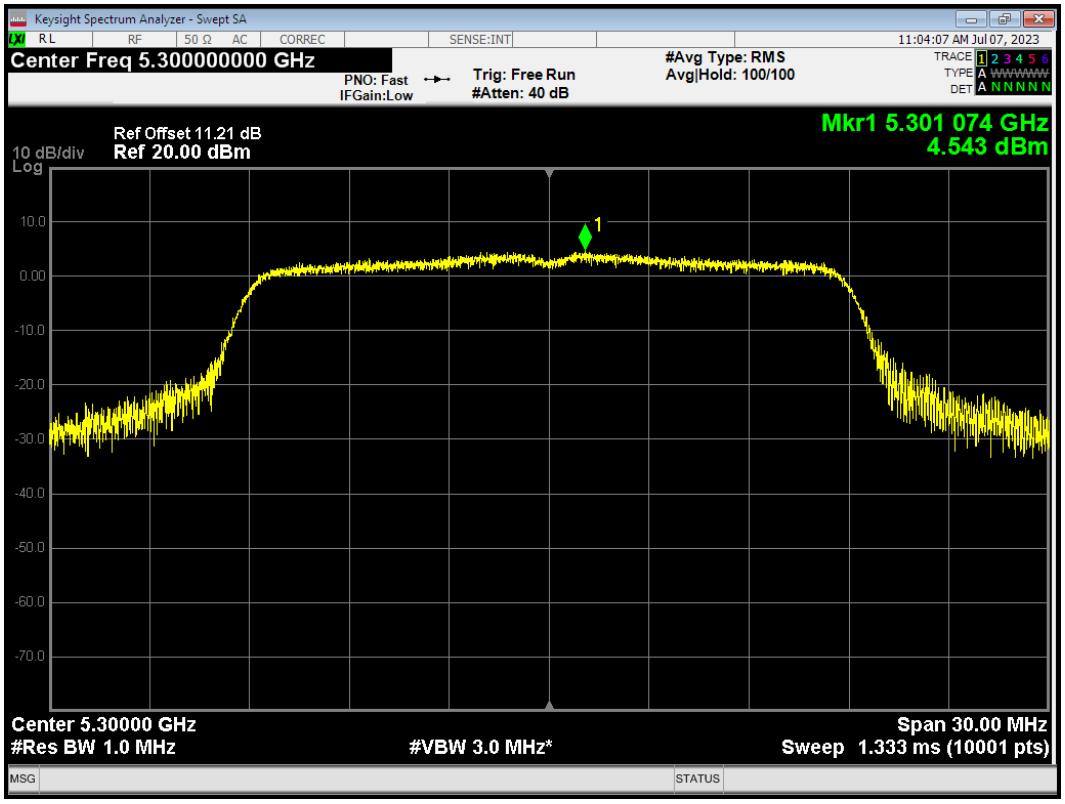
PSD 802.11ax(HE80) 5290MHz



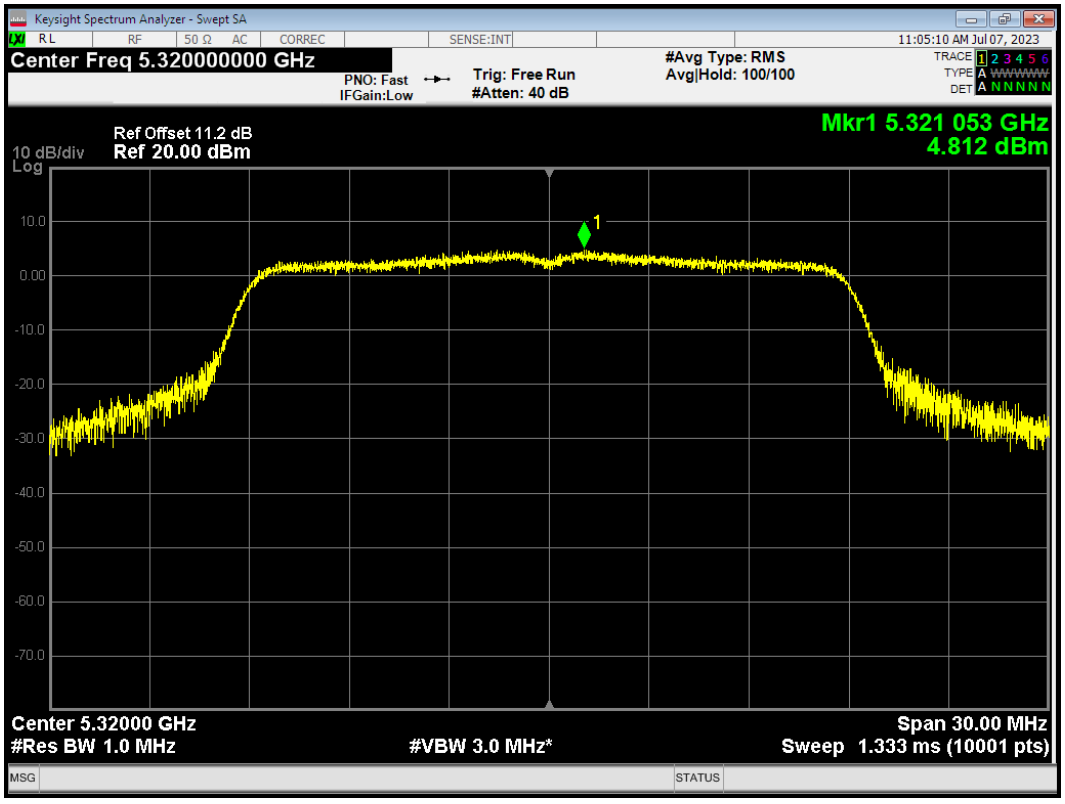
PSD 802.11n(HT20) 5260MHz



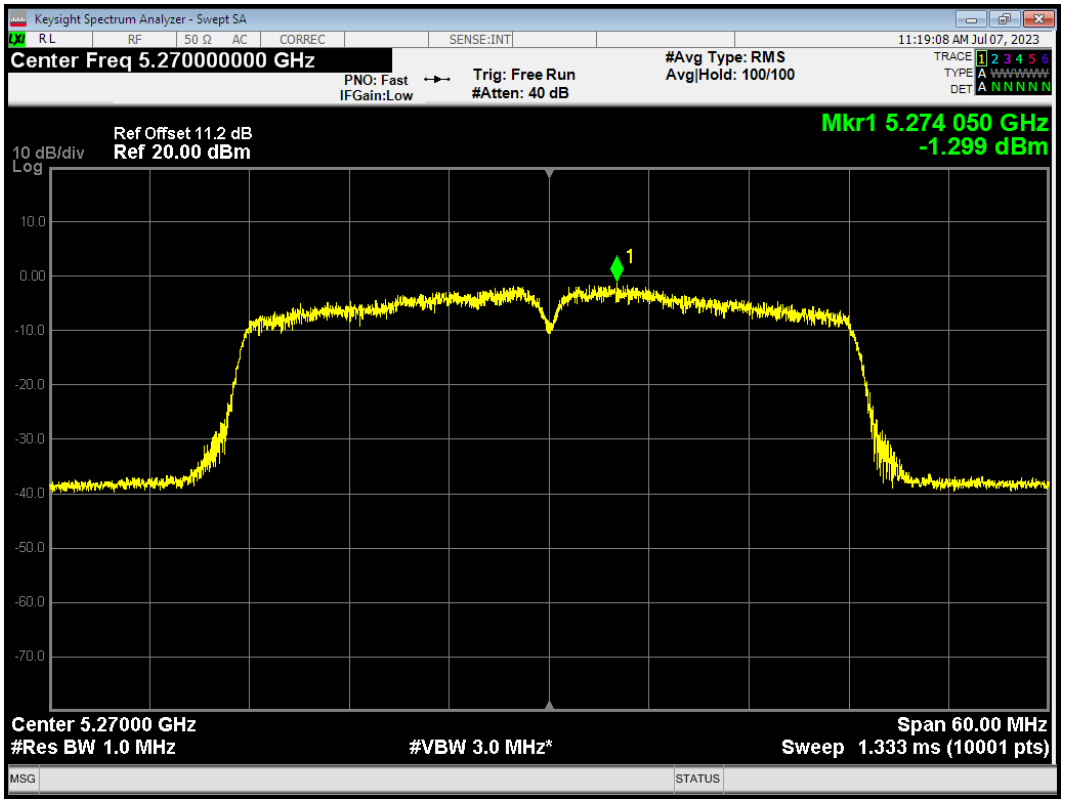
PSD 802.11n(HT20) 5300MHz



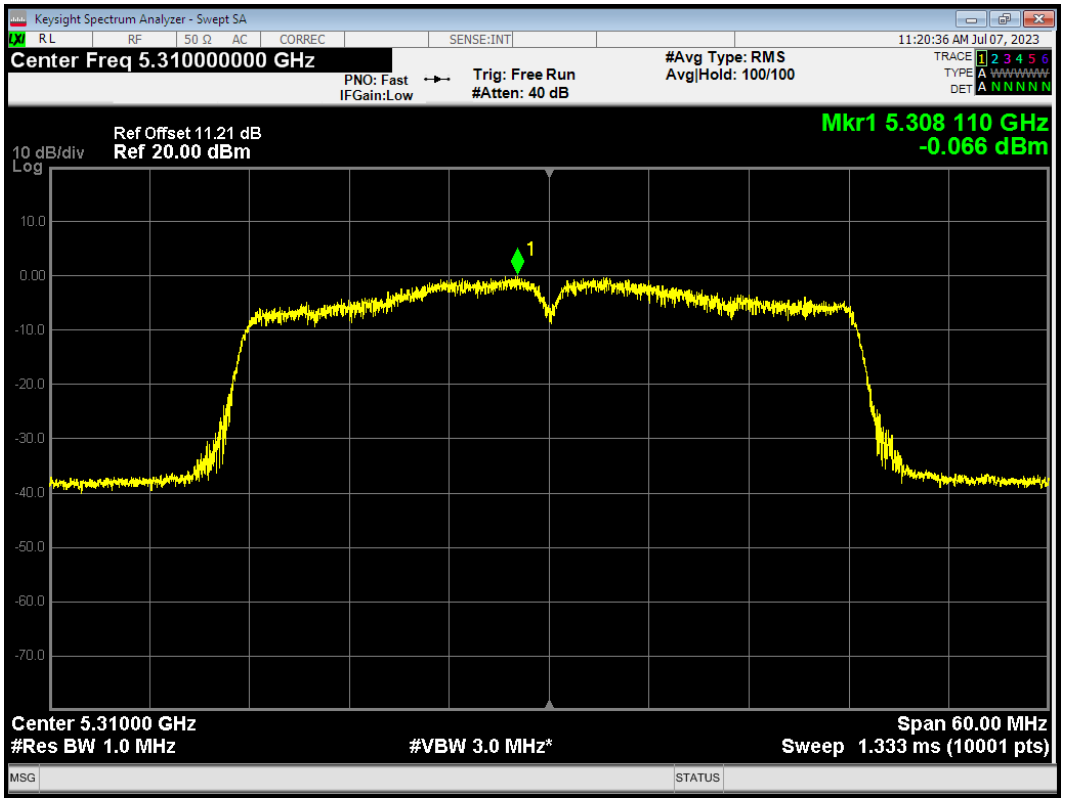
PSD 802.11n(HT20) 5320MHz



PSD 802.11n(HT40) 5270MHz

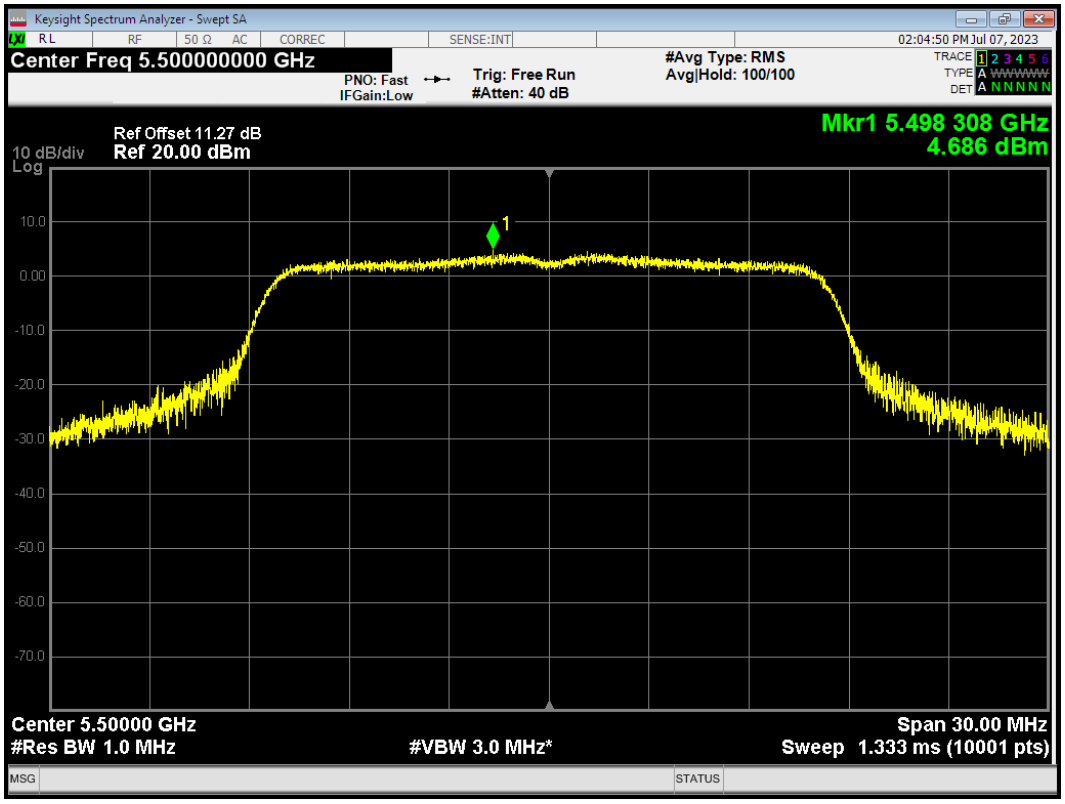


PSD 802.11n(HT40) 5310MHz

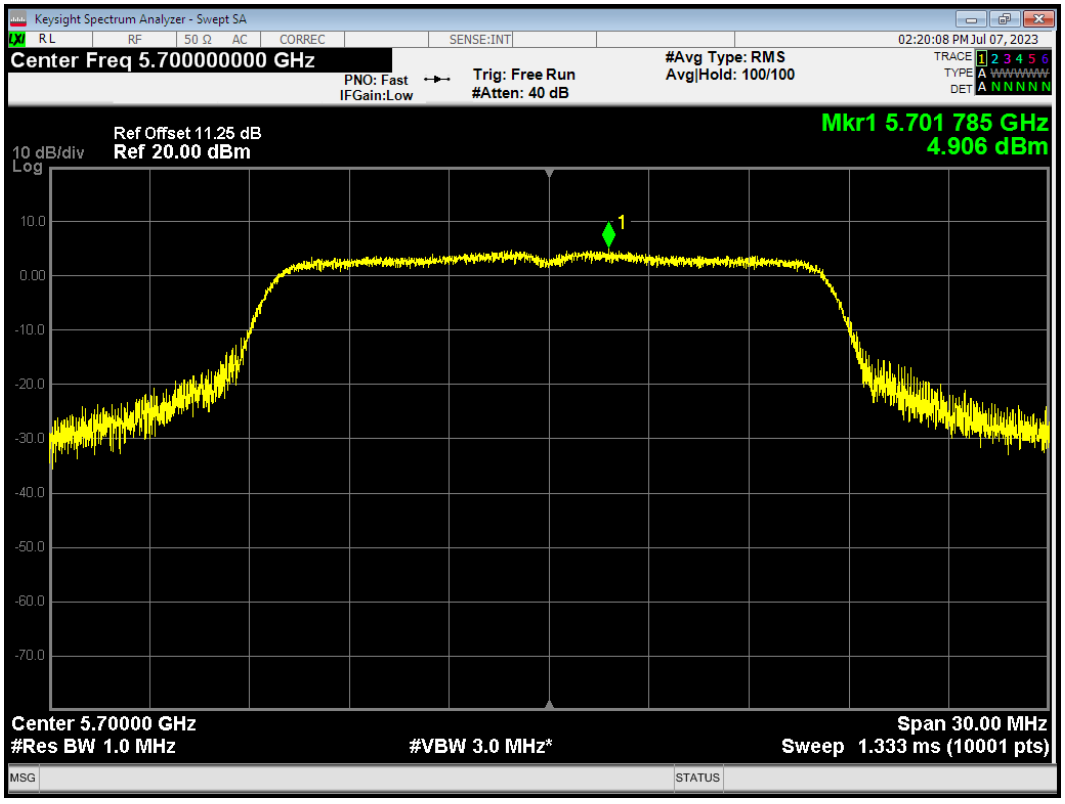


U-NII-2C

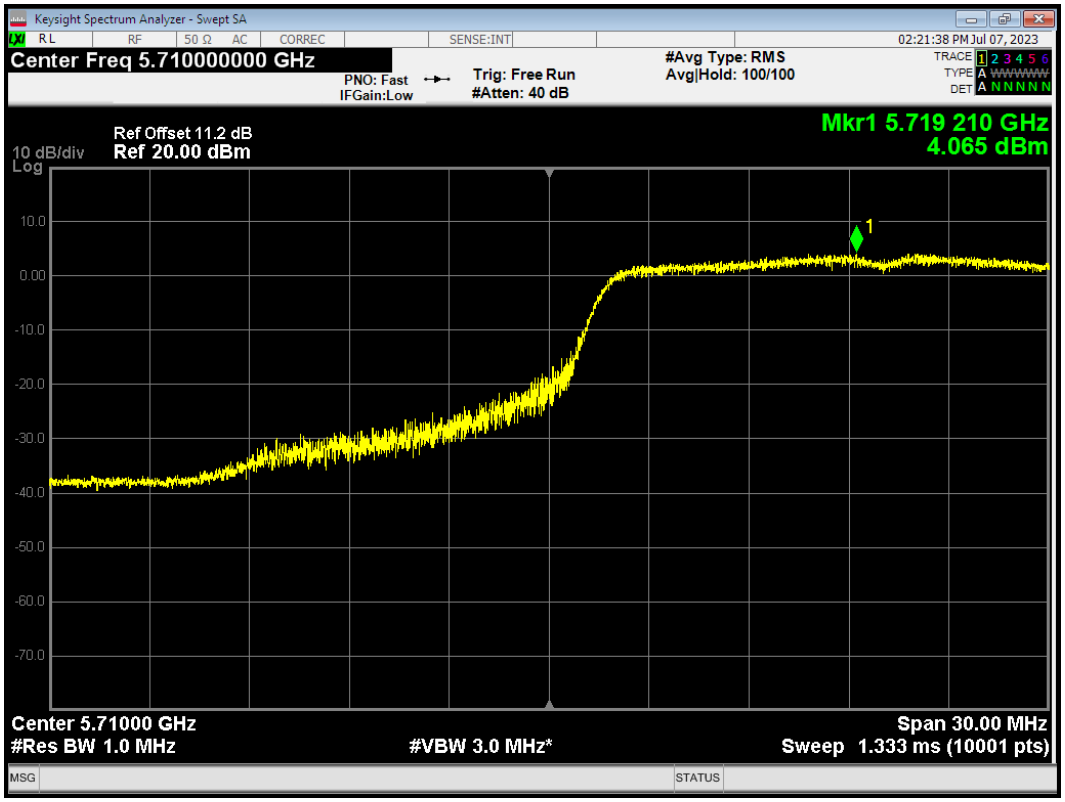
PSD 802.11a 5500MHz



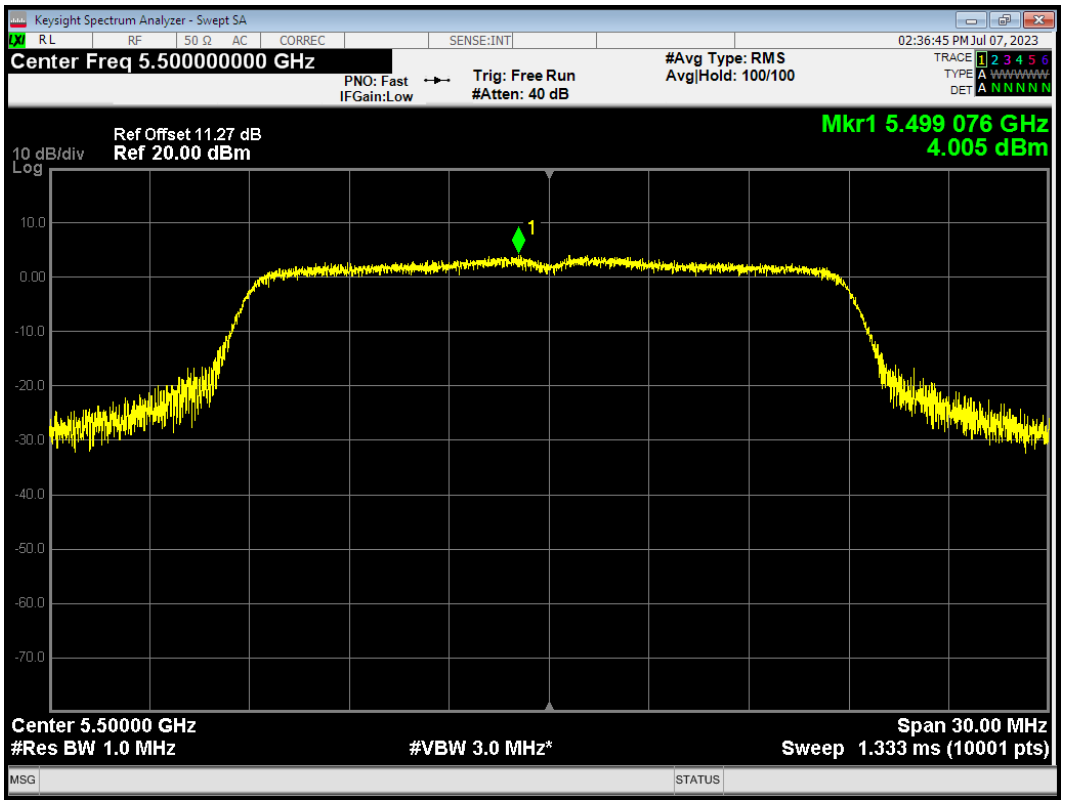
PSD 802.11a 5700MHz



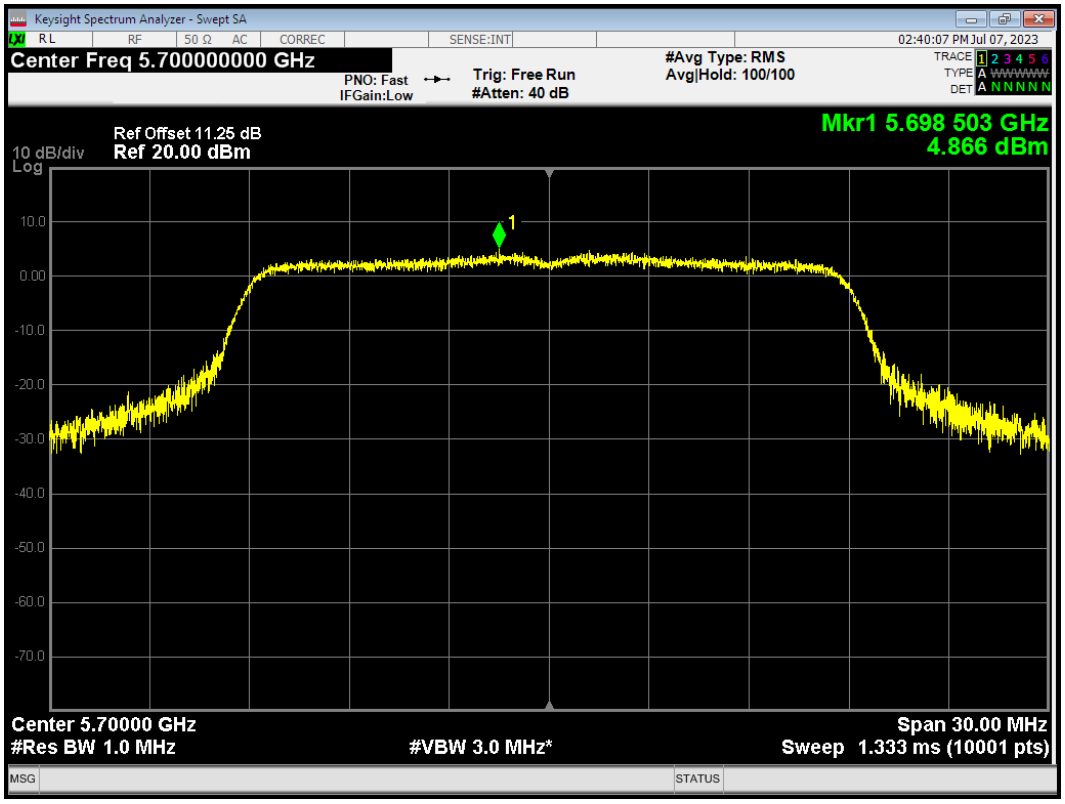
PSD 802.11a 5720MHz



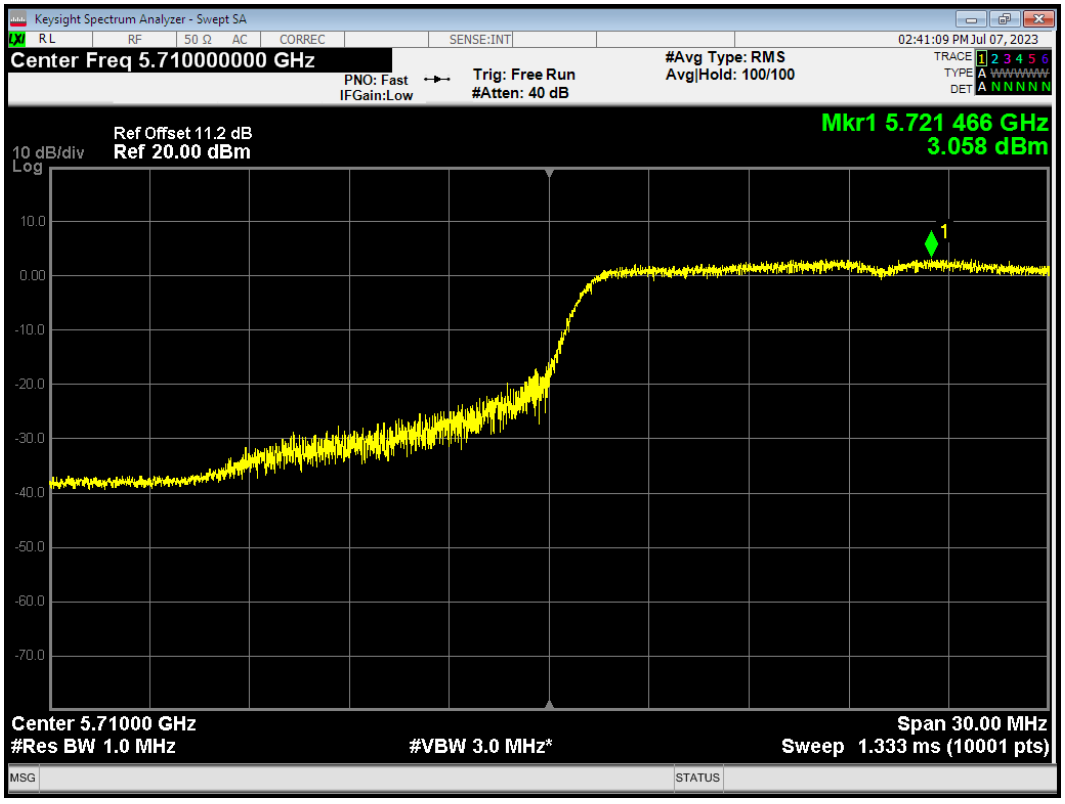
PSD 802.11ac(VHT20) 5500MHz



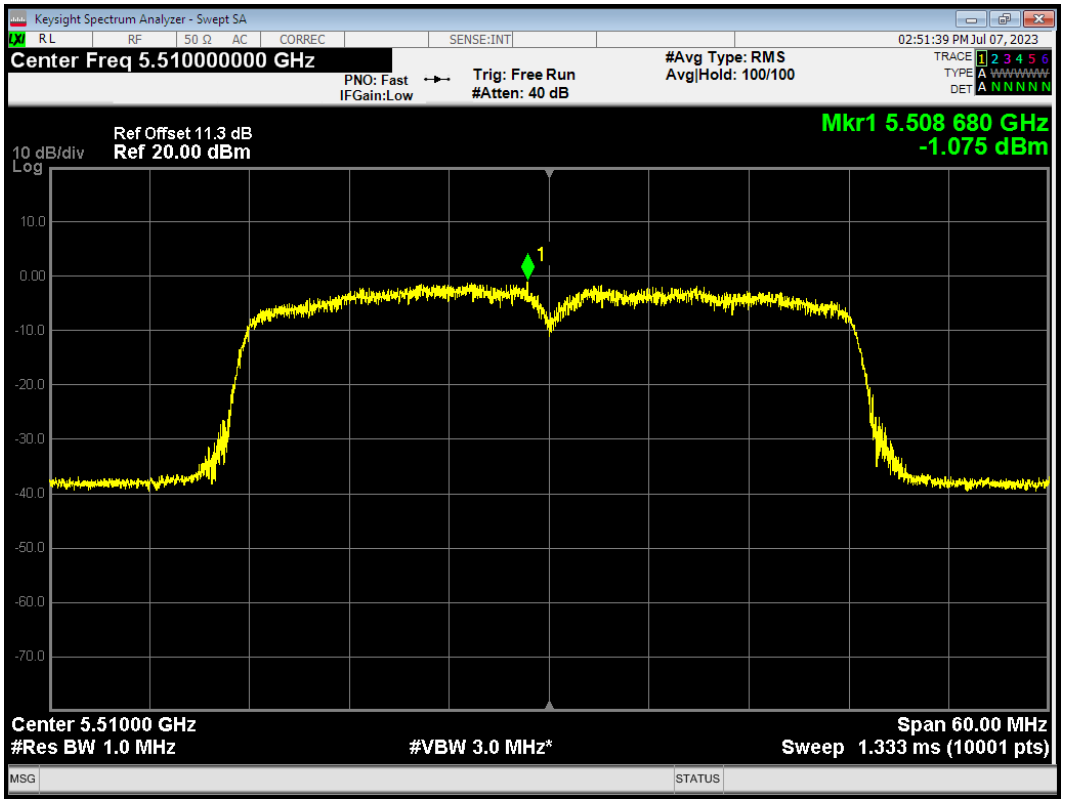
PSD 802.11ac(VHT20) 5700MHz



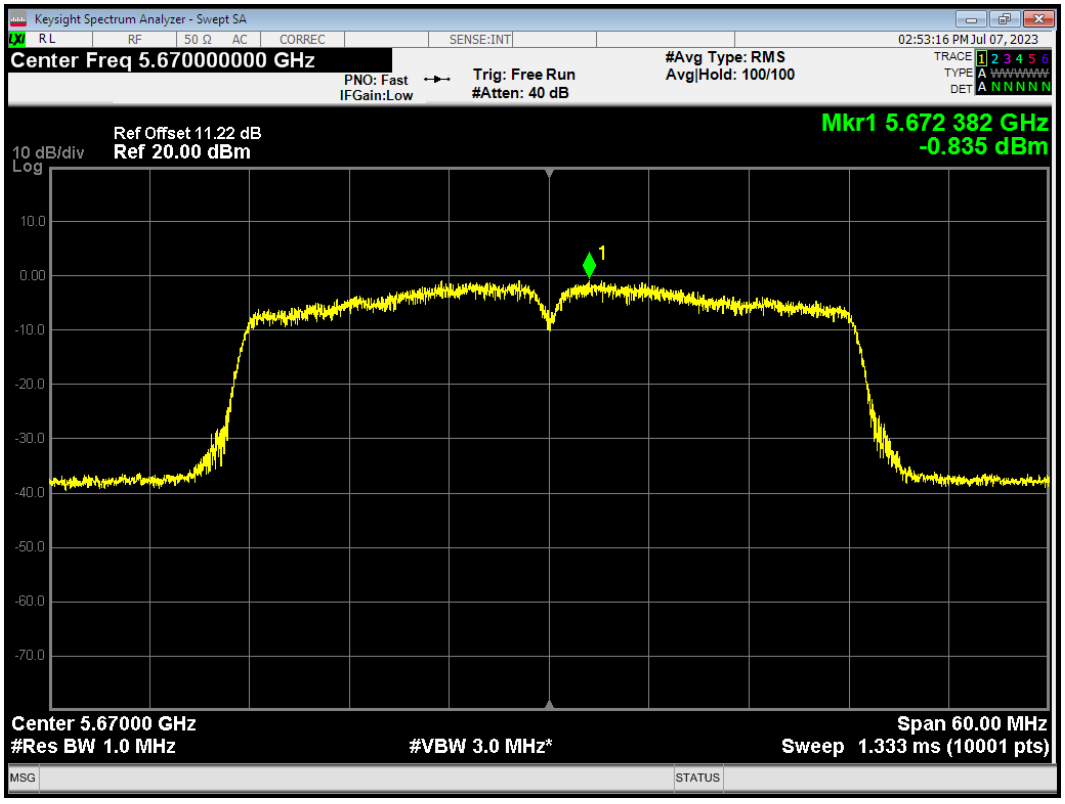
PSD 802.11ac(VHT20) 5720MHz



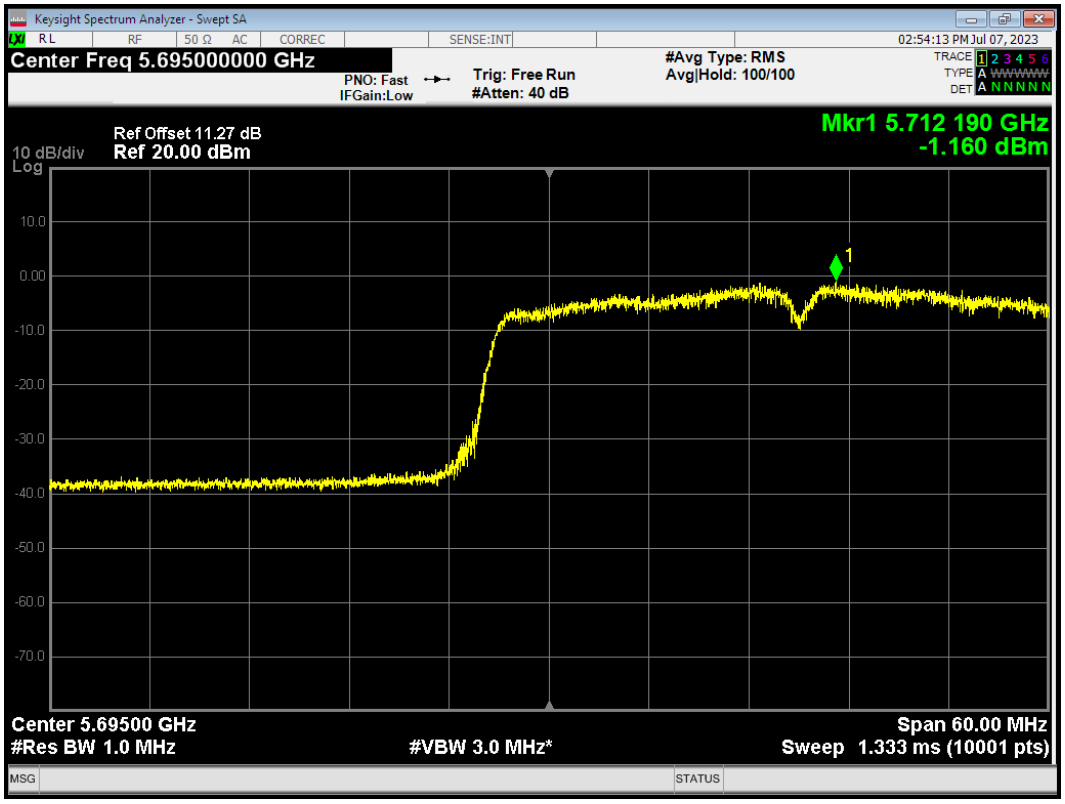
PSD 802.11ac(VHT40) 5510MHz



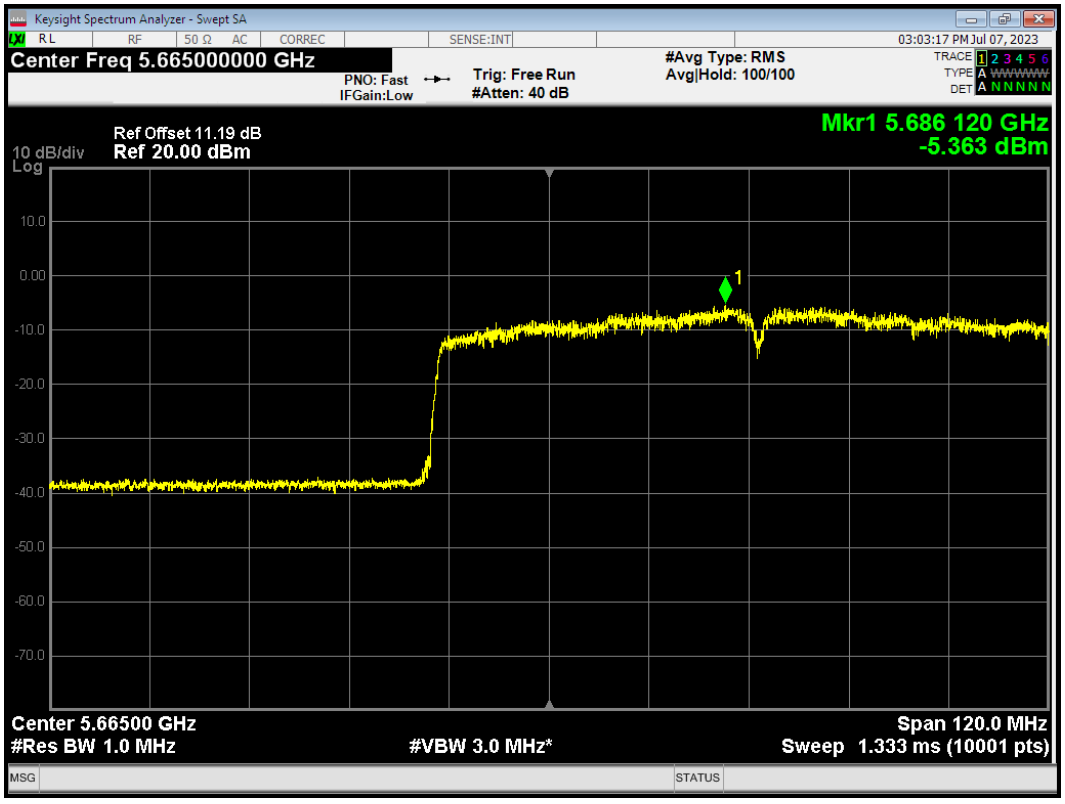
PSD 802.11ac(VHT40) 5670MHz



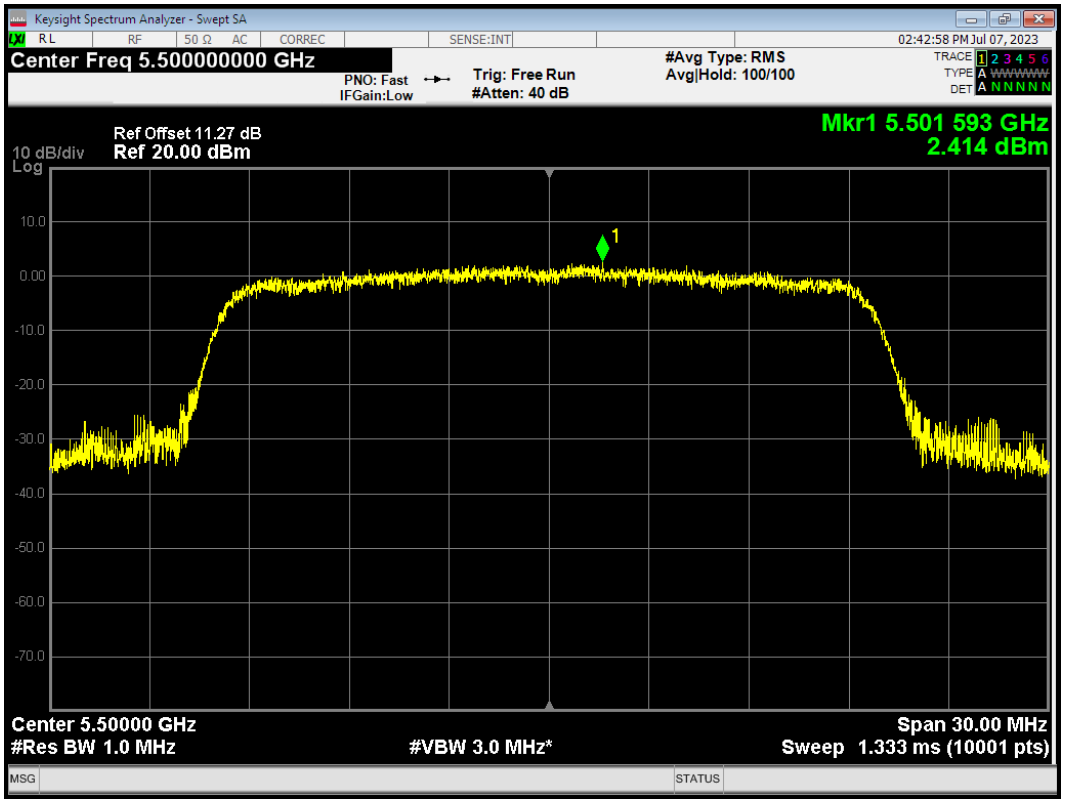
PSD 802.11ac(VHT40) 5710MHz



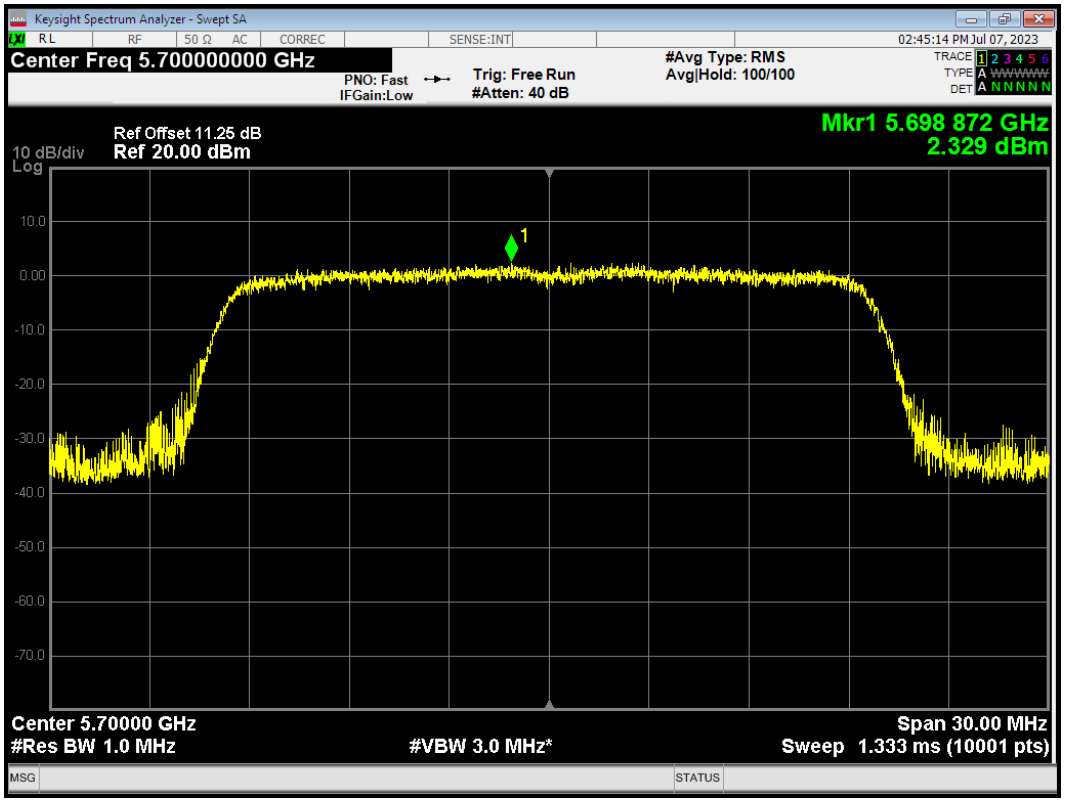
PSD 802.11ac(VHT80) 5690MHz



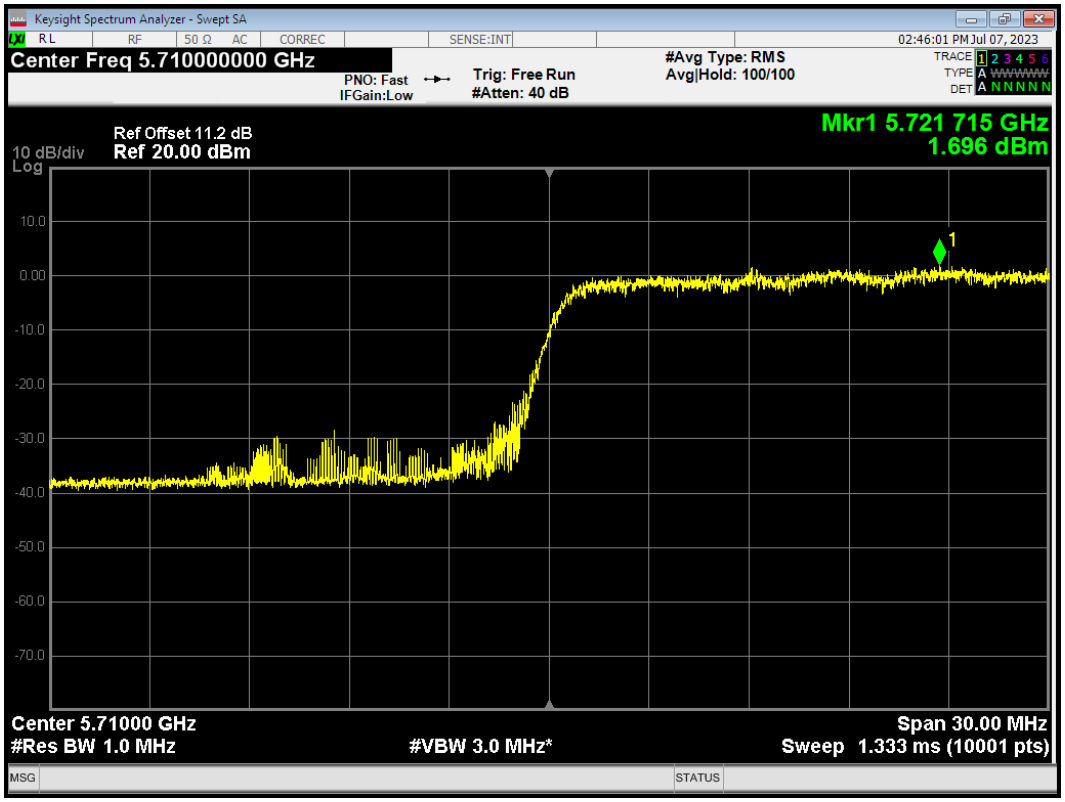
PSD 802.11ax(HE20) 5500MHz



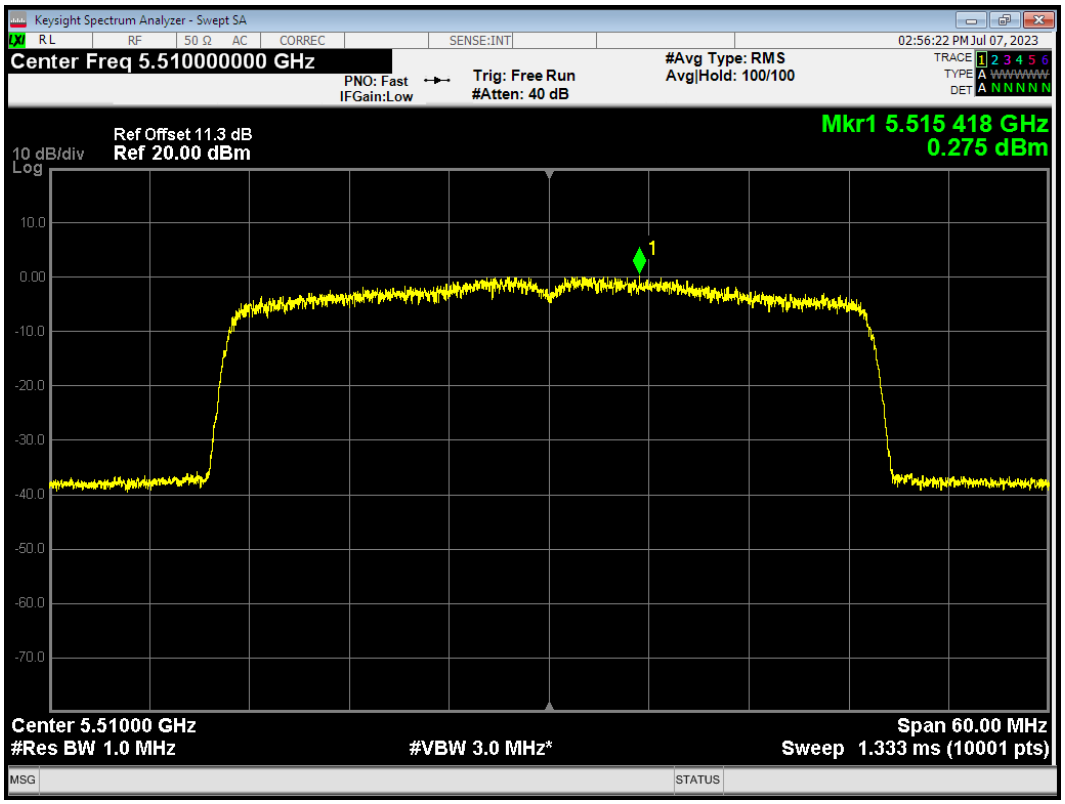
PSD 802.11ax(HE20) 5700MHz



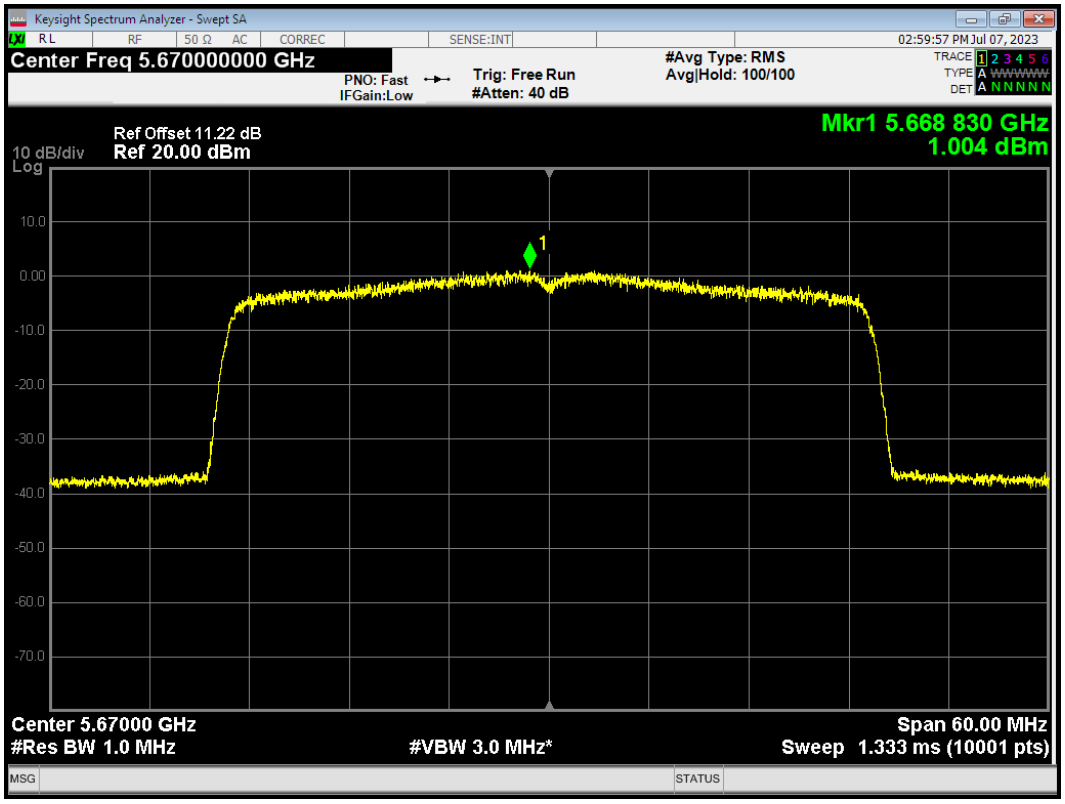
PSD 802.11ax(HE20) 5720MHz



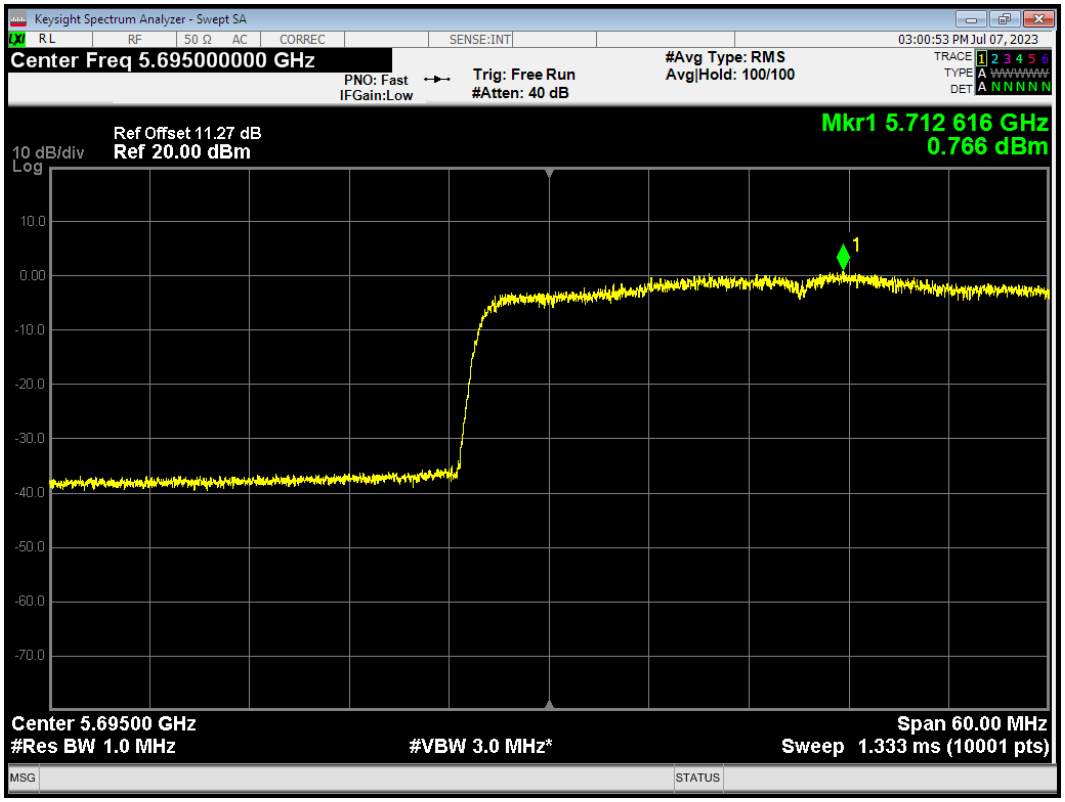
PSD 802.11ax(HE40) 5510MHz



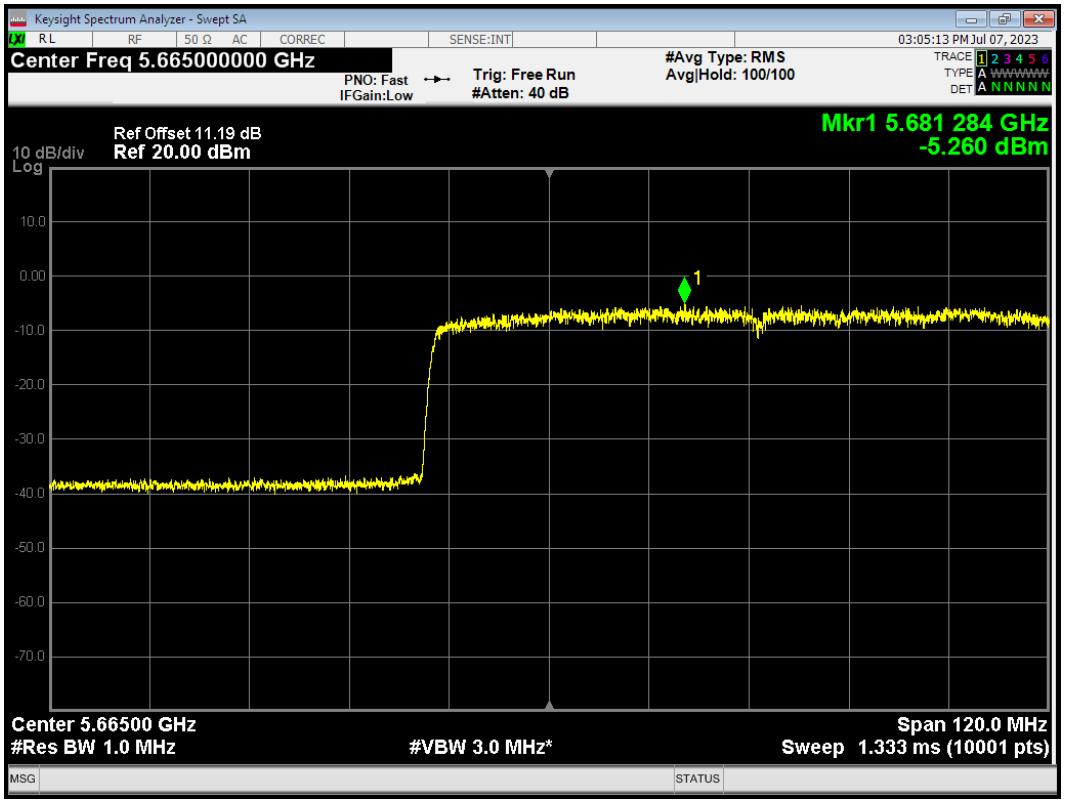
PSD 802.11ax(HE40) 5670MHz



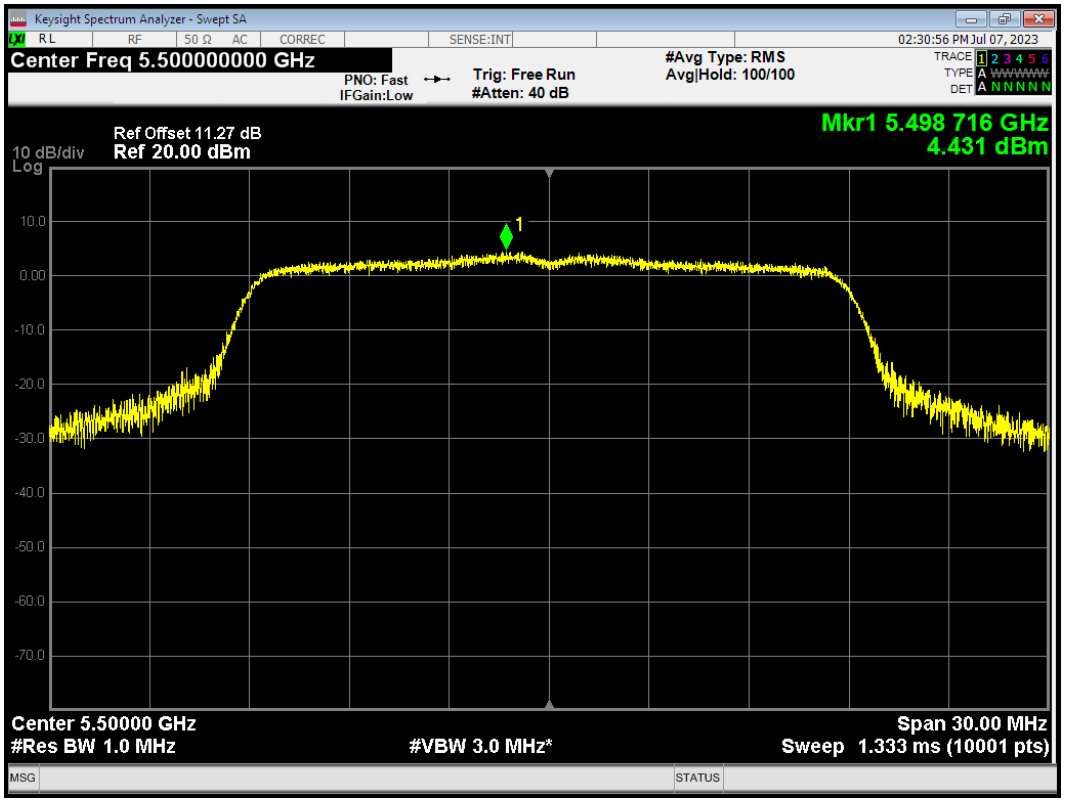
PSD 802.11ax(HE40) 5710MHz



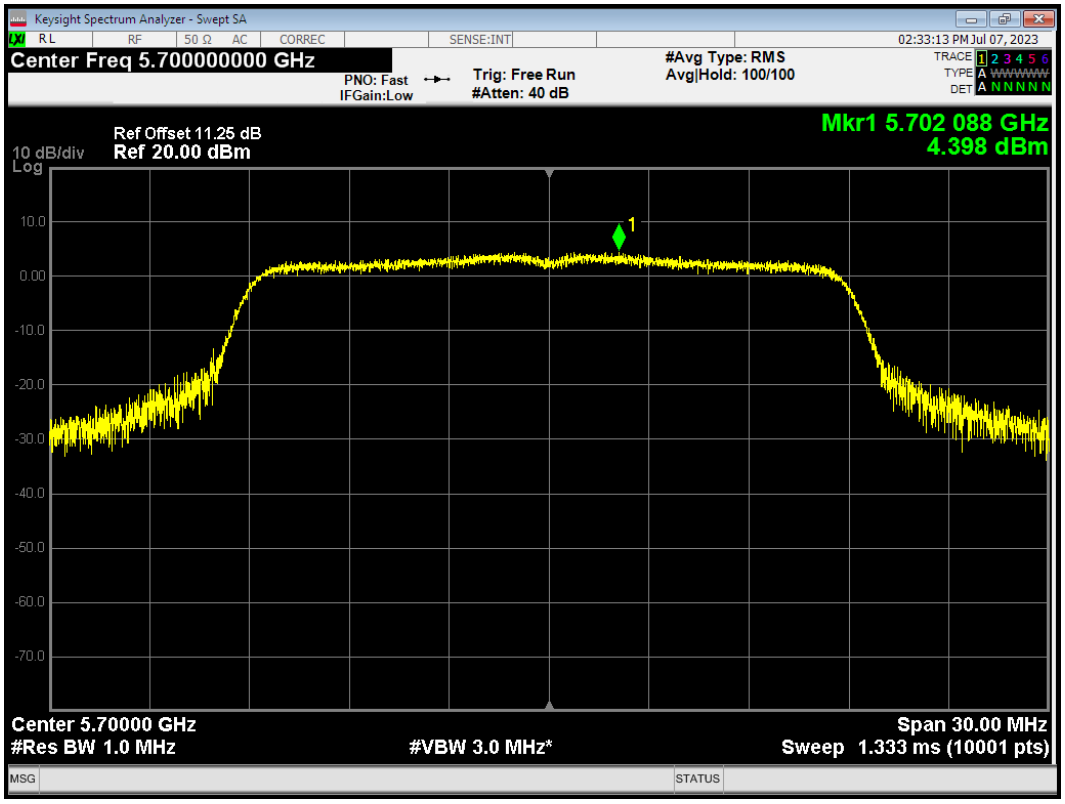
PSD 802.11ax(HE80) 5690MHz



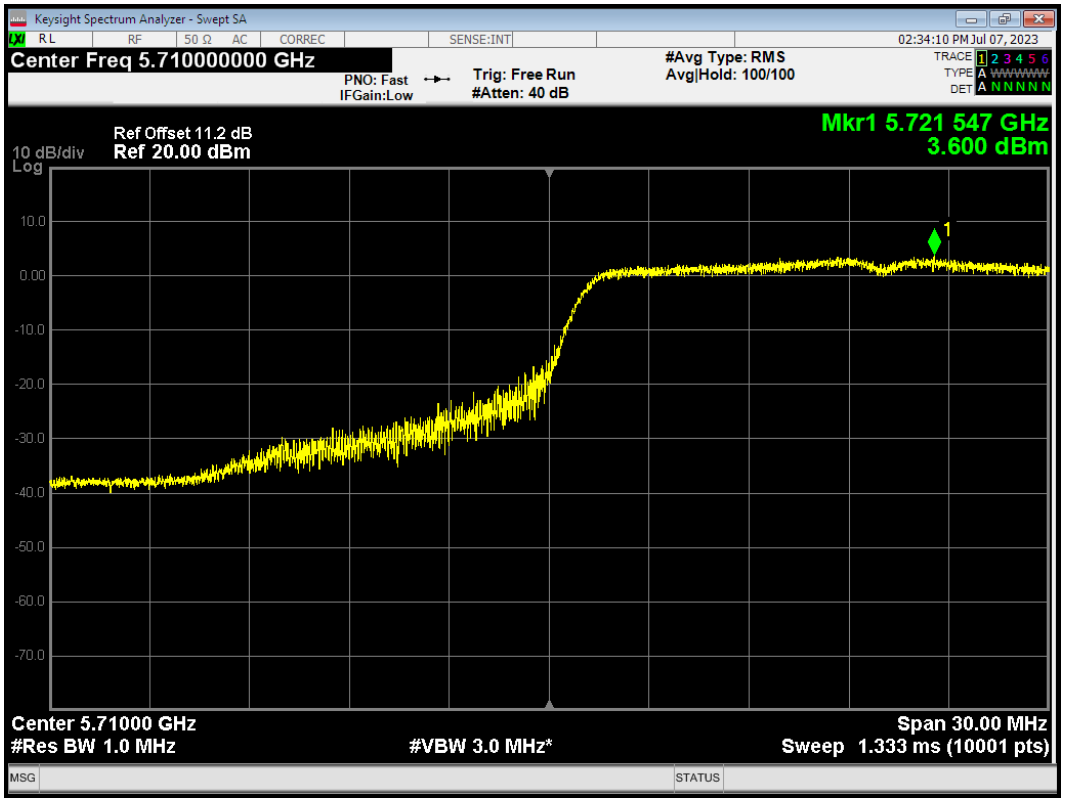
PSD 802.11n(HT20) 5500MHz



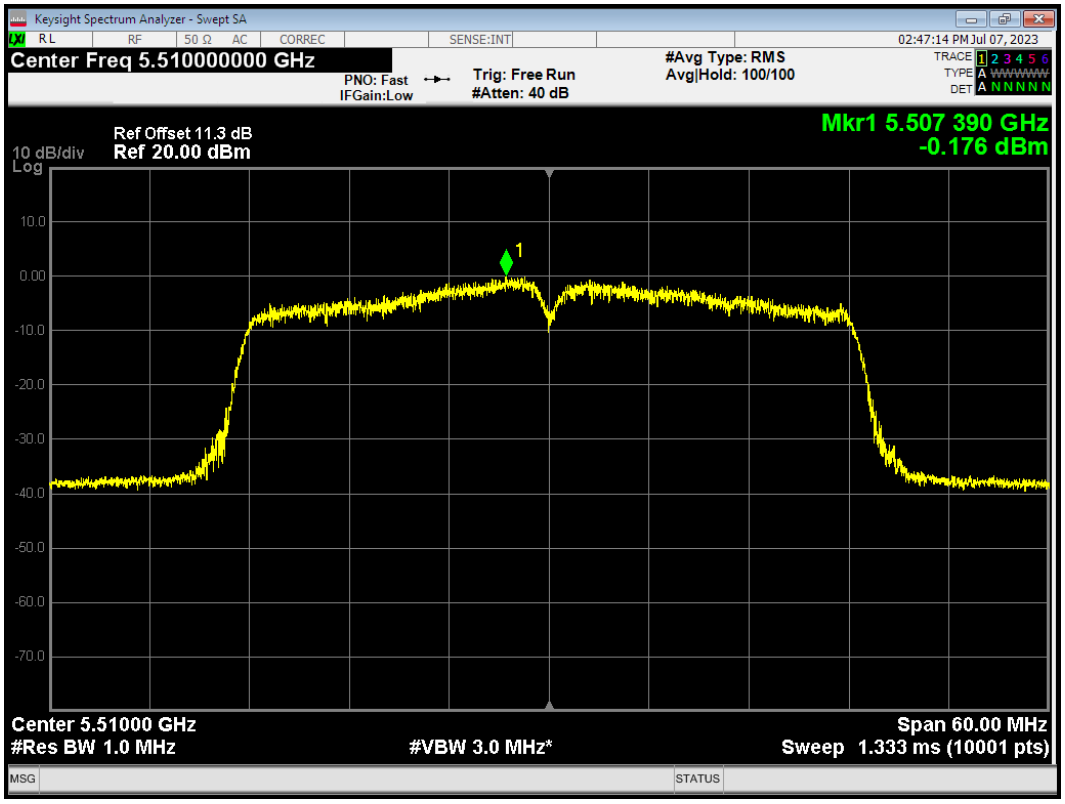
PSD 802.11n(HT20) 5700MHz



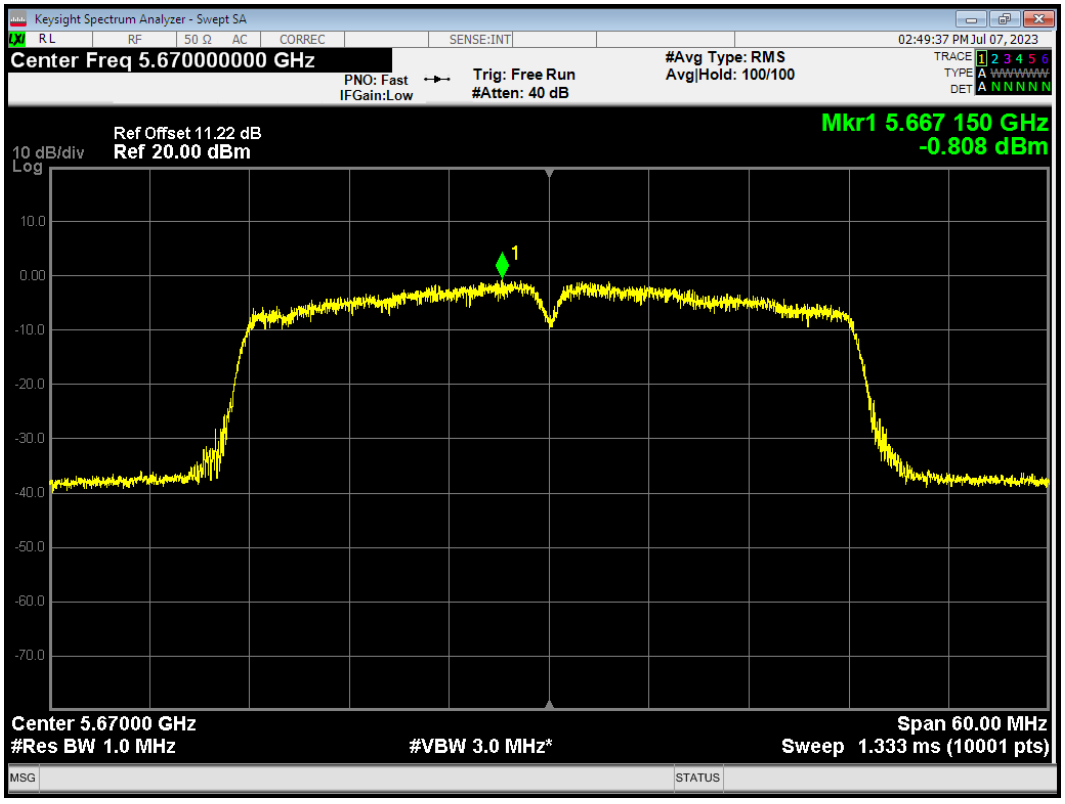
PSD 802.11n(HT20) 5720MHz



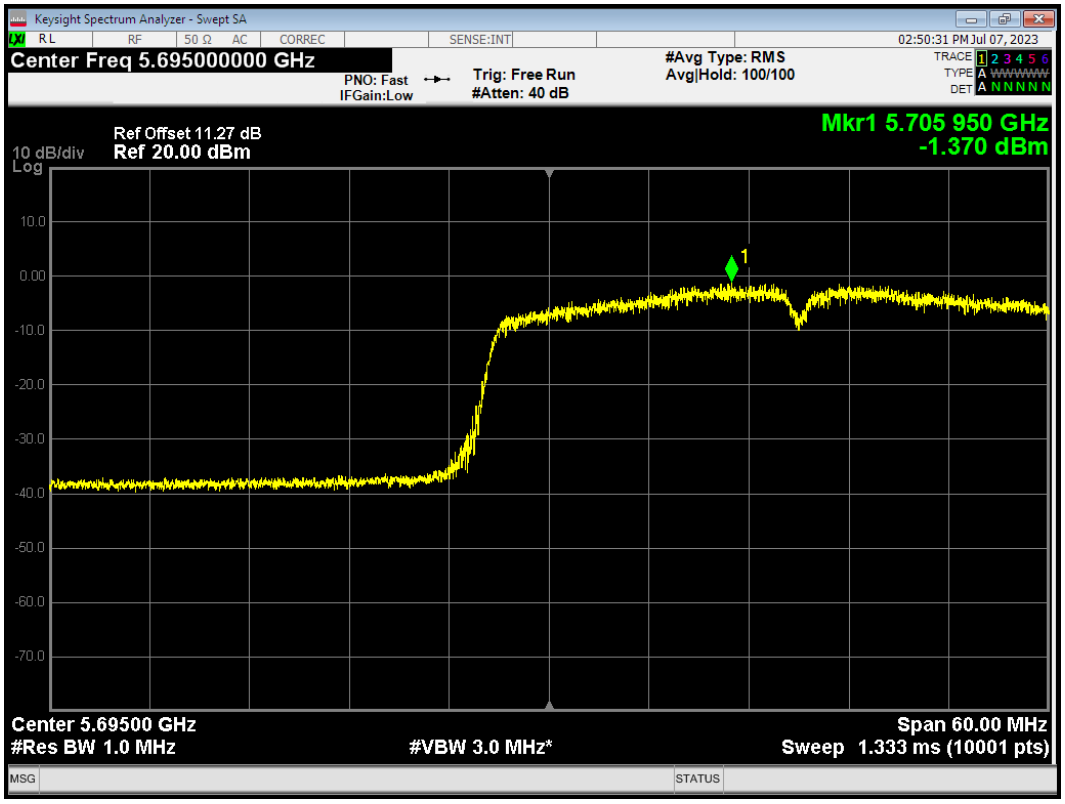
PSD 802.11n(HT40) 5510MHz



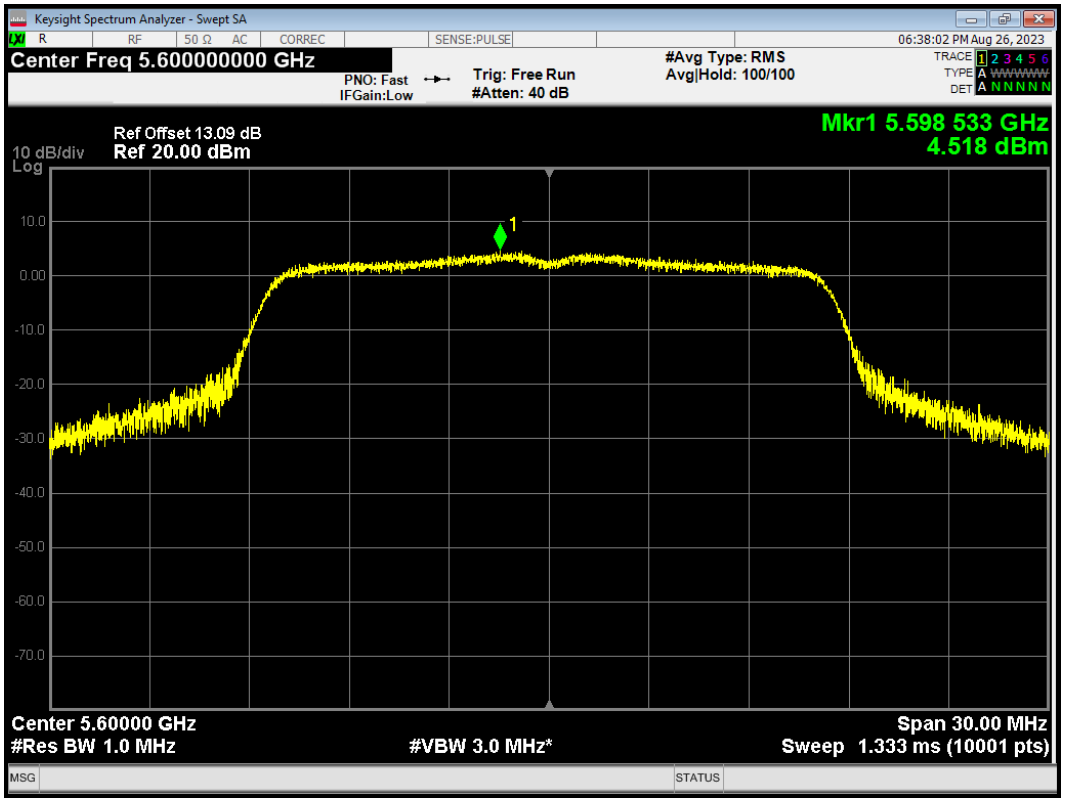
PSD 802.11n(HT40) 5670MHz



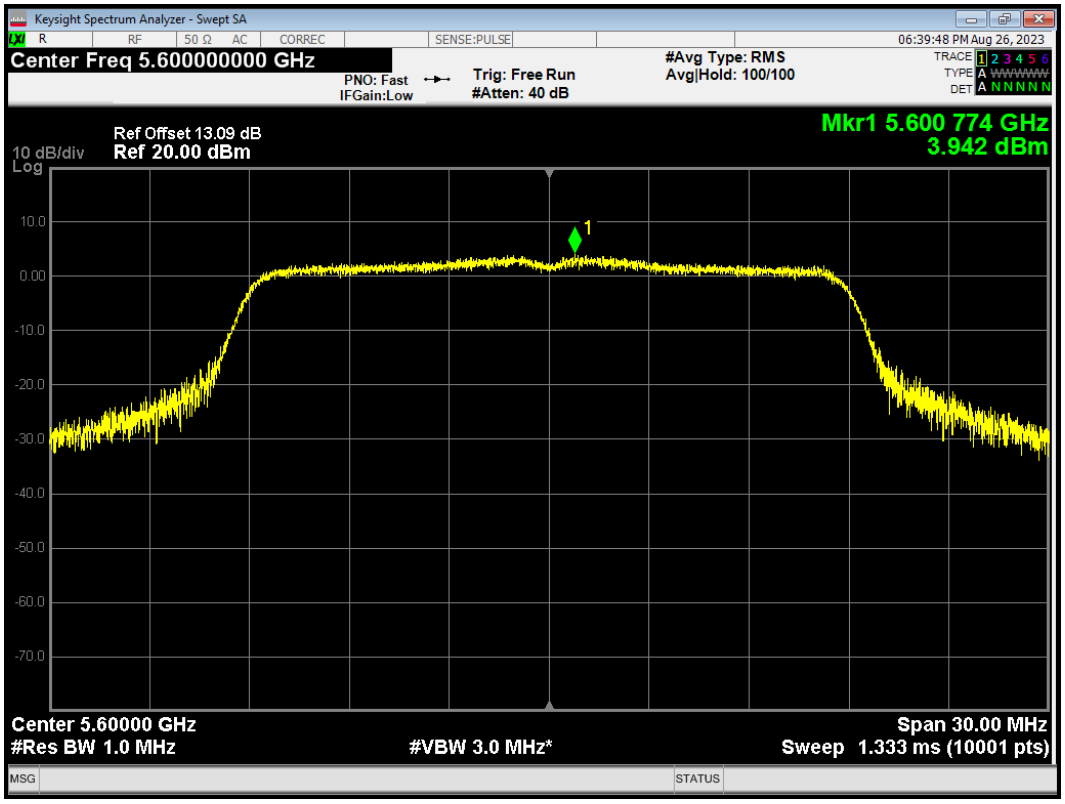
PSD 802.11n(HT40) 5710MHz



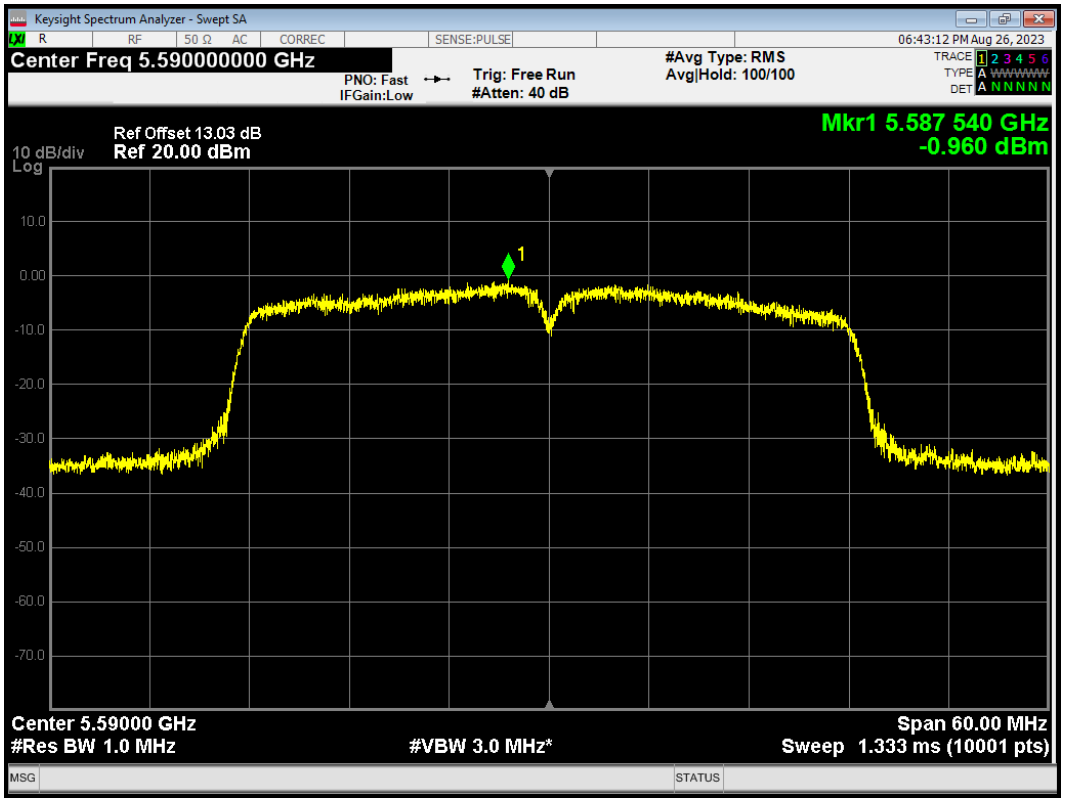
PSD 802.11a 5600MHz



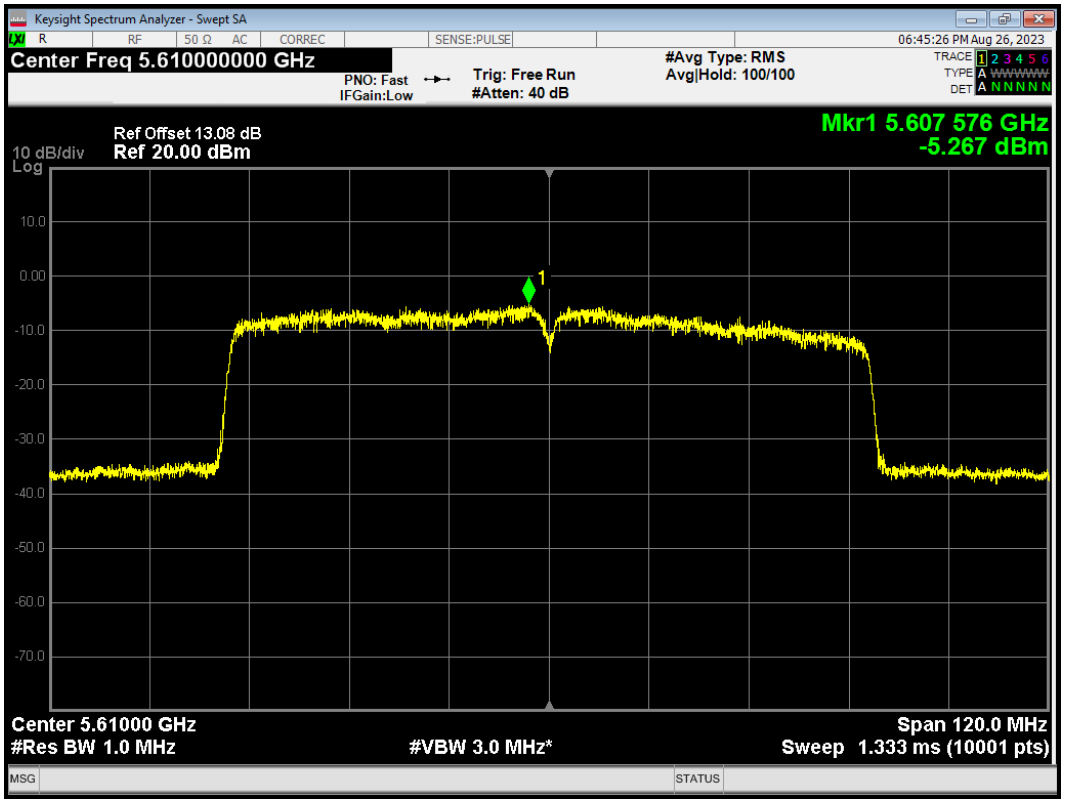
PSD 802.11ac(VHT20) 5600MHz



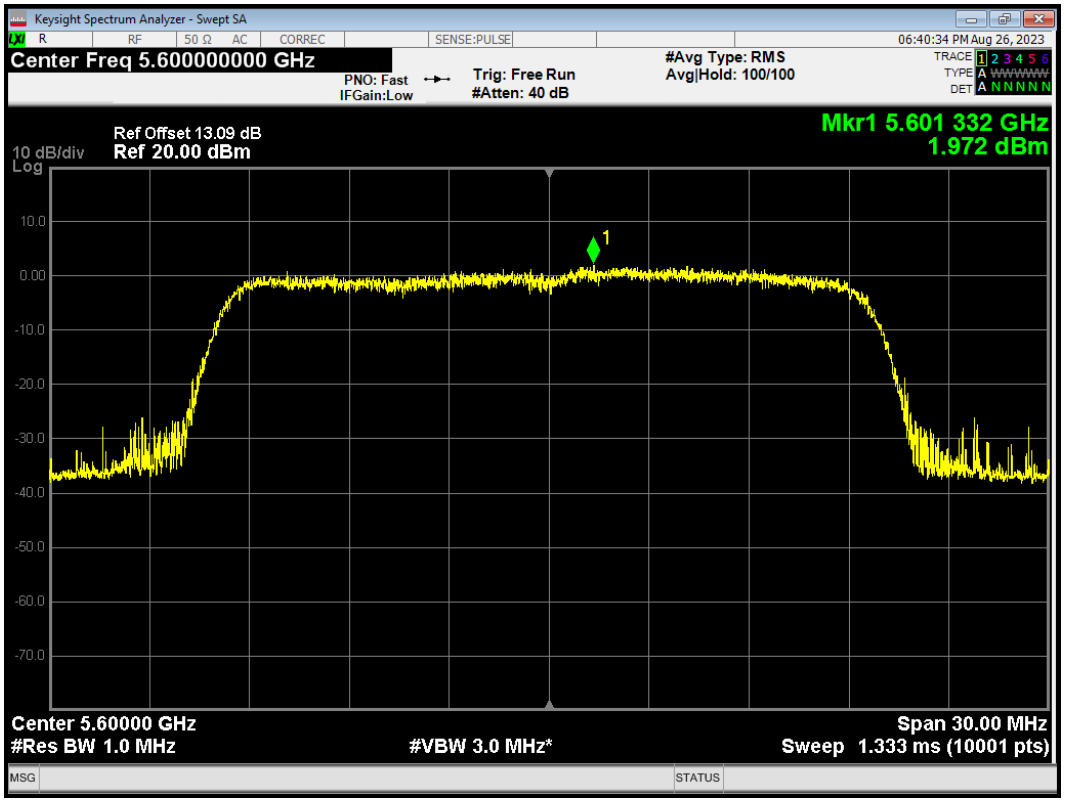
PSD 802.11ac(VHT40) 5590MHz



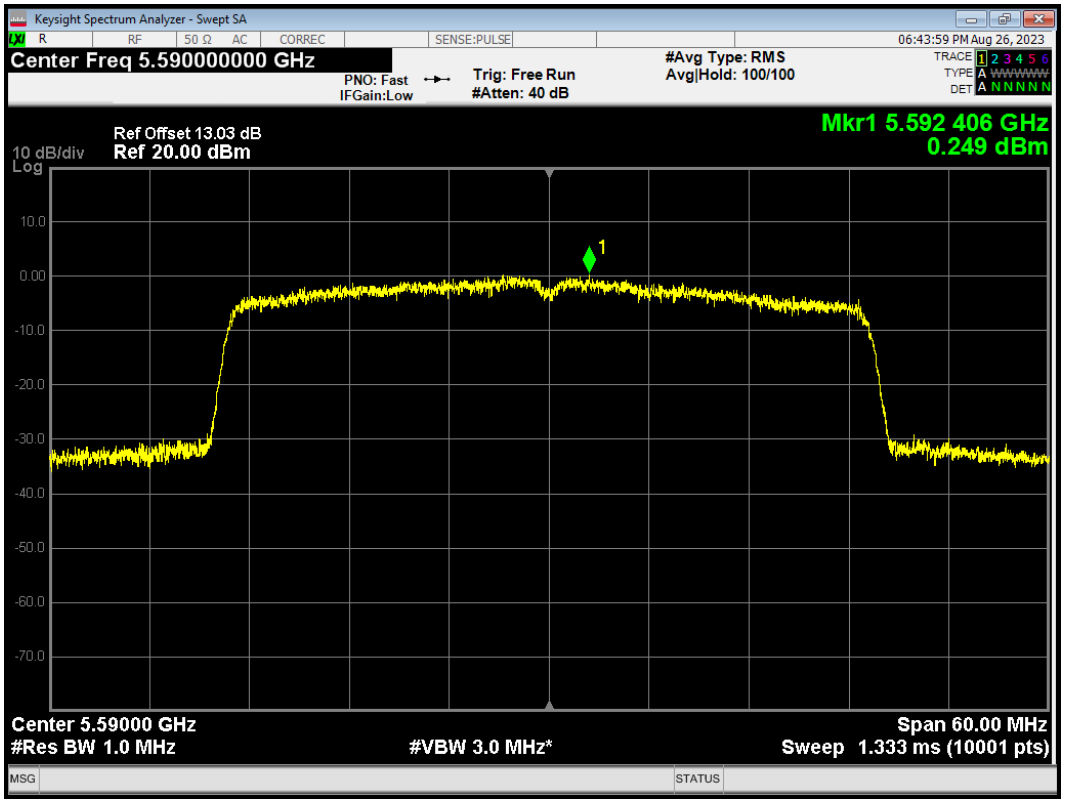
PSD 802.11ac(VHT80) 5610MHz



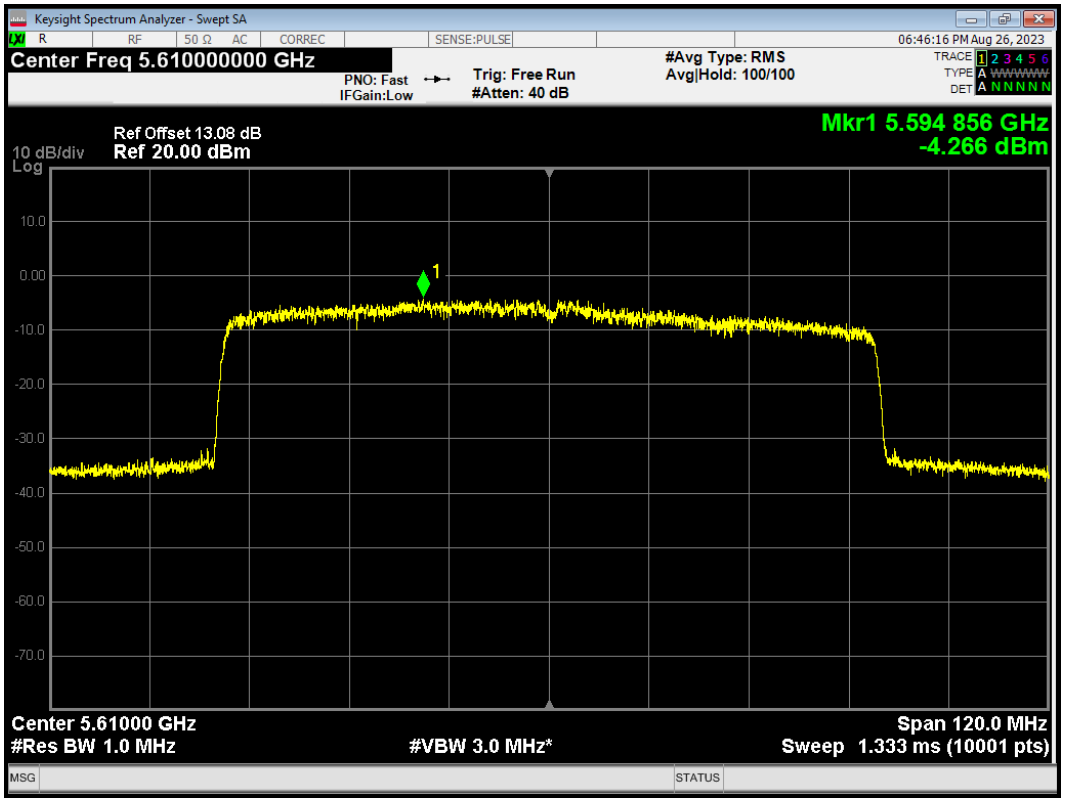
PSD 802.11ax(HE20) 5600MHz



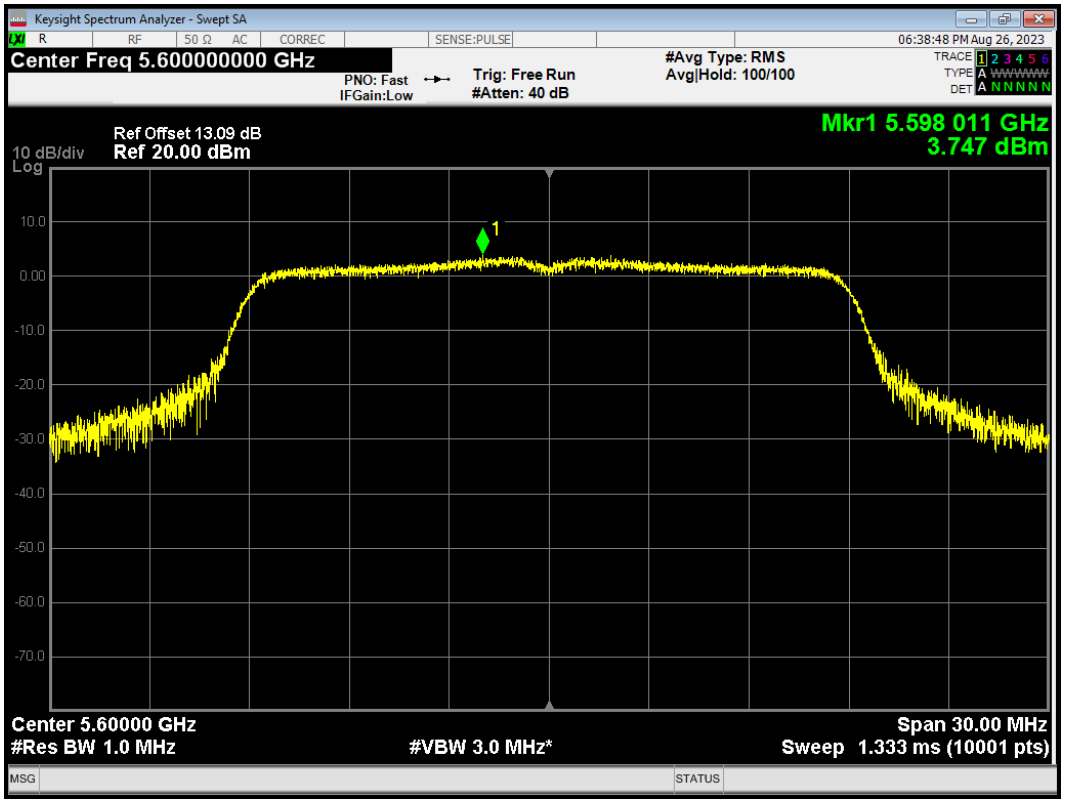
PSD 802.11ax(HE40) 5590MHz



PSD 802.11ax(HE80) 5610MHz



PSD 802.11n(HT20) 5600MHz



PSD 802.11n(HT40) 5590MHz