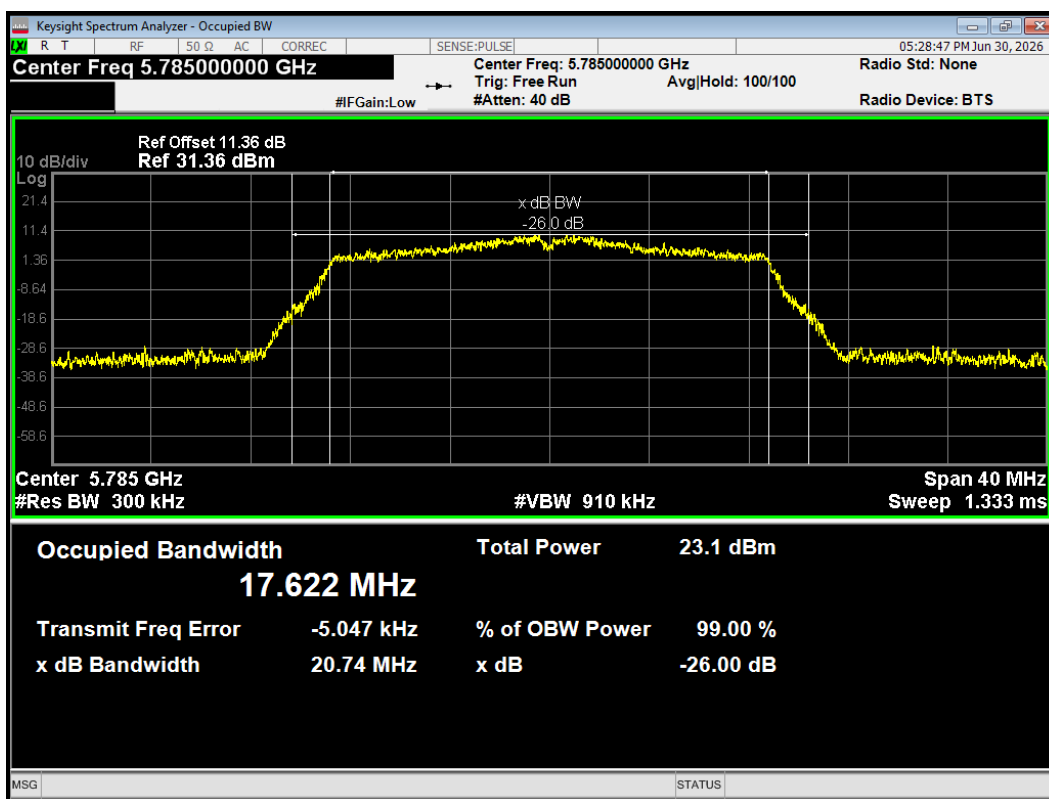
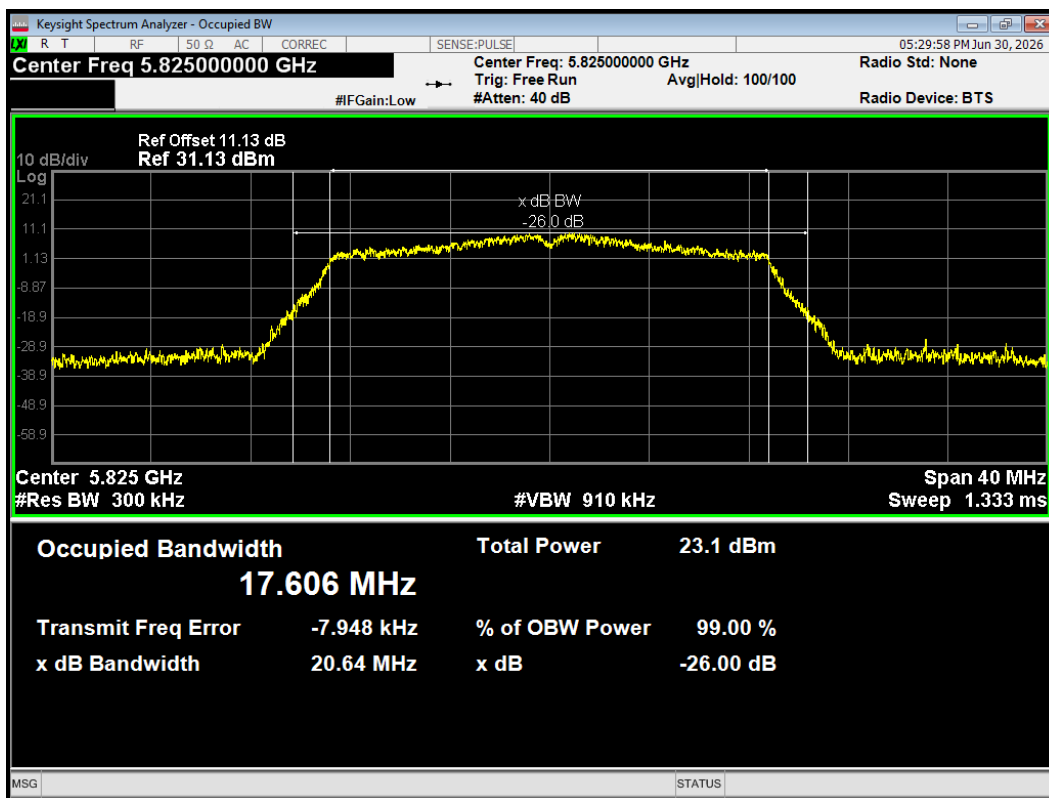


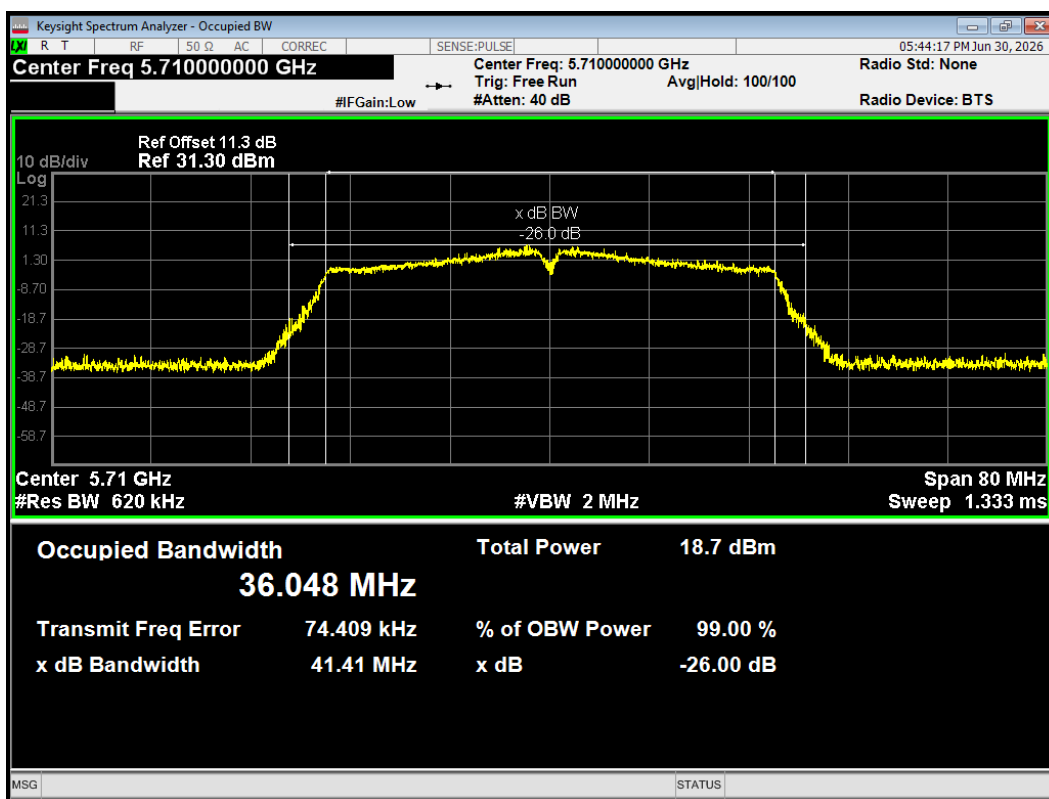
OBW 802.11ac(VHT20) 5785MHz



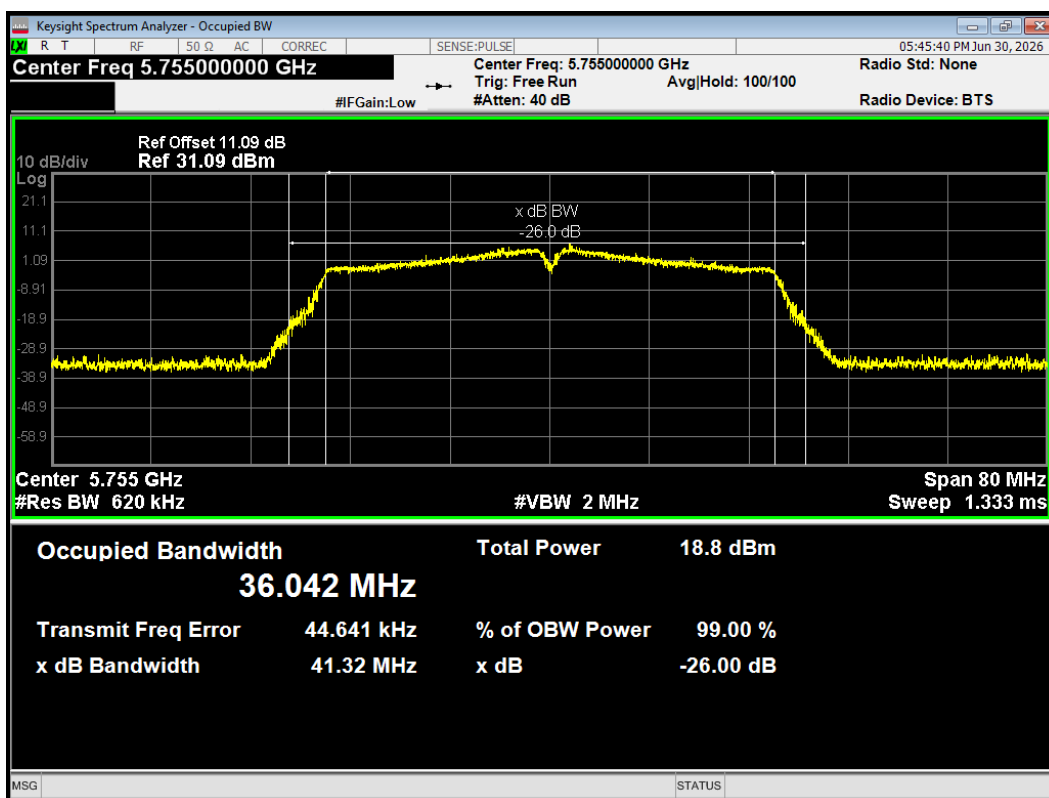
OBW 802.11ac(VHT20) 5825MHz



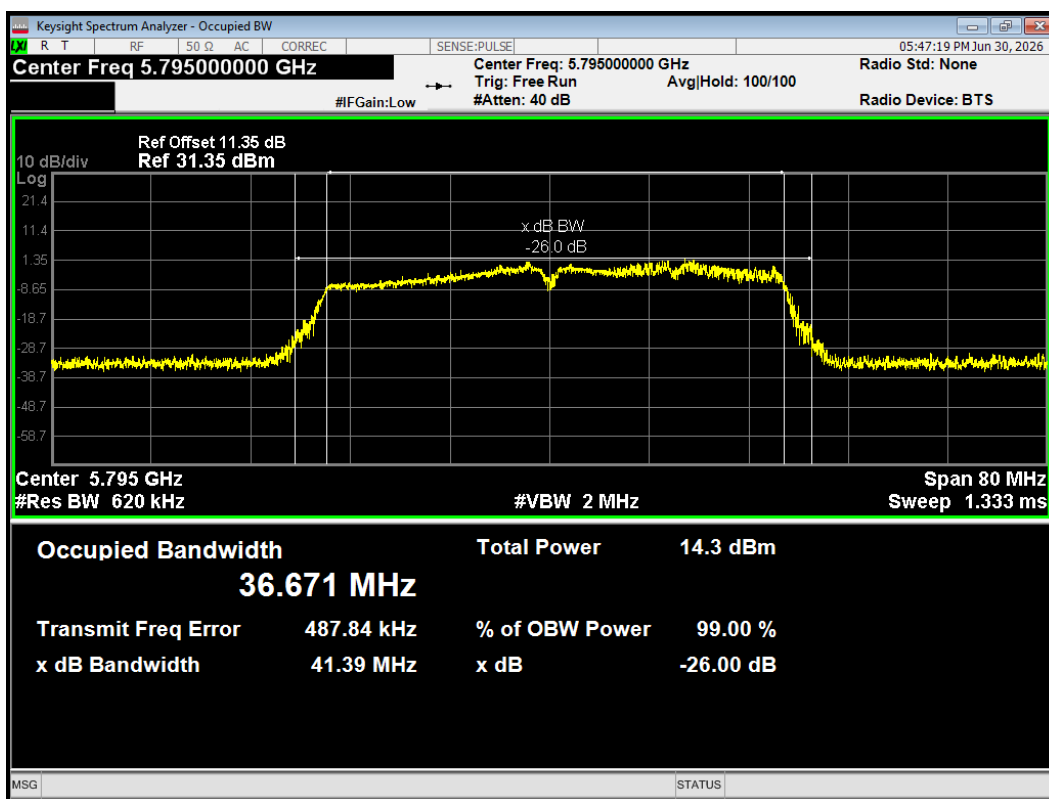
OBW 802.11ac(VHT40) 5710MHz



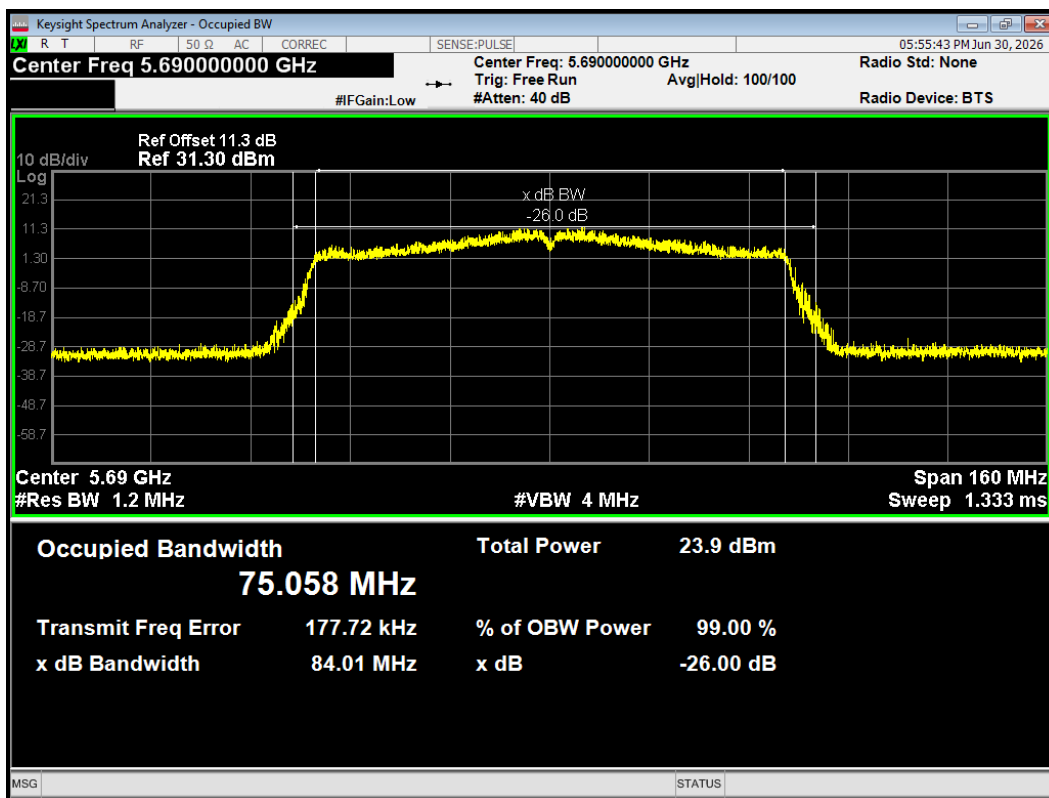
OBW 802.11ac(VHT40) 5755MHz



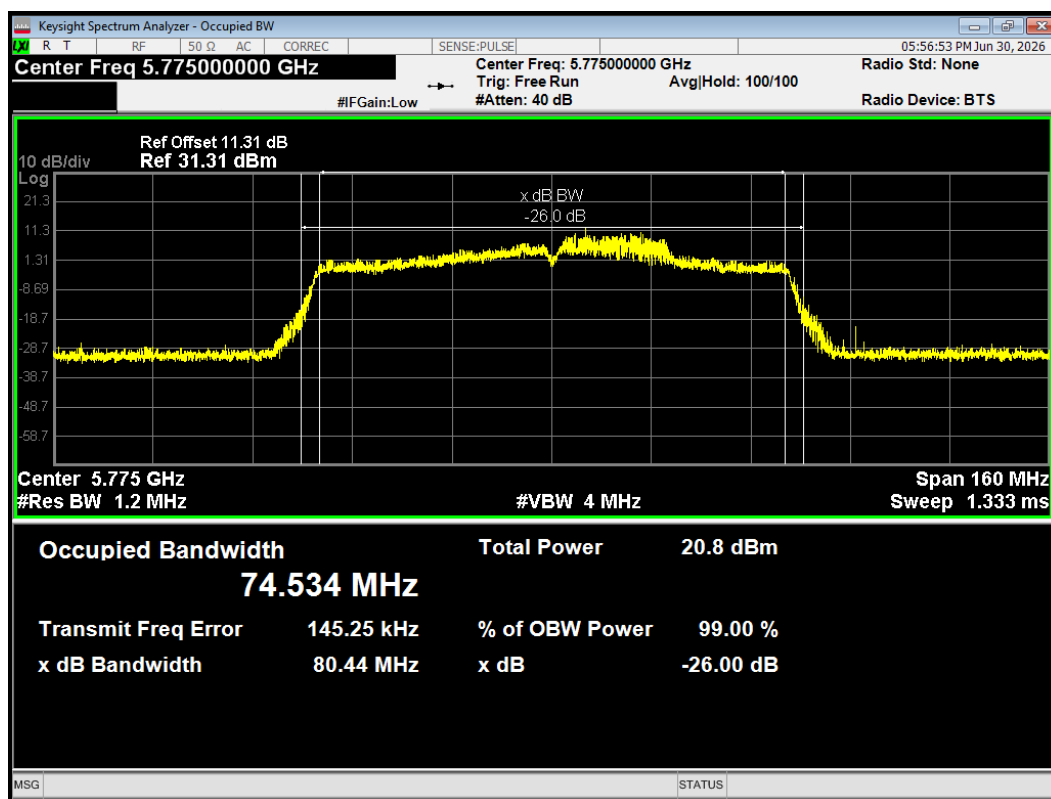
OBW 802.11ac(VHT40) 5795MHz



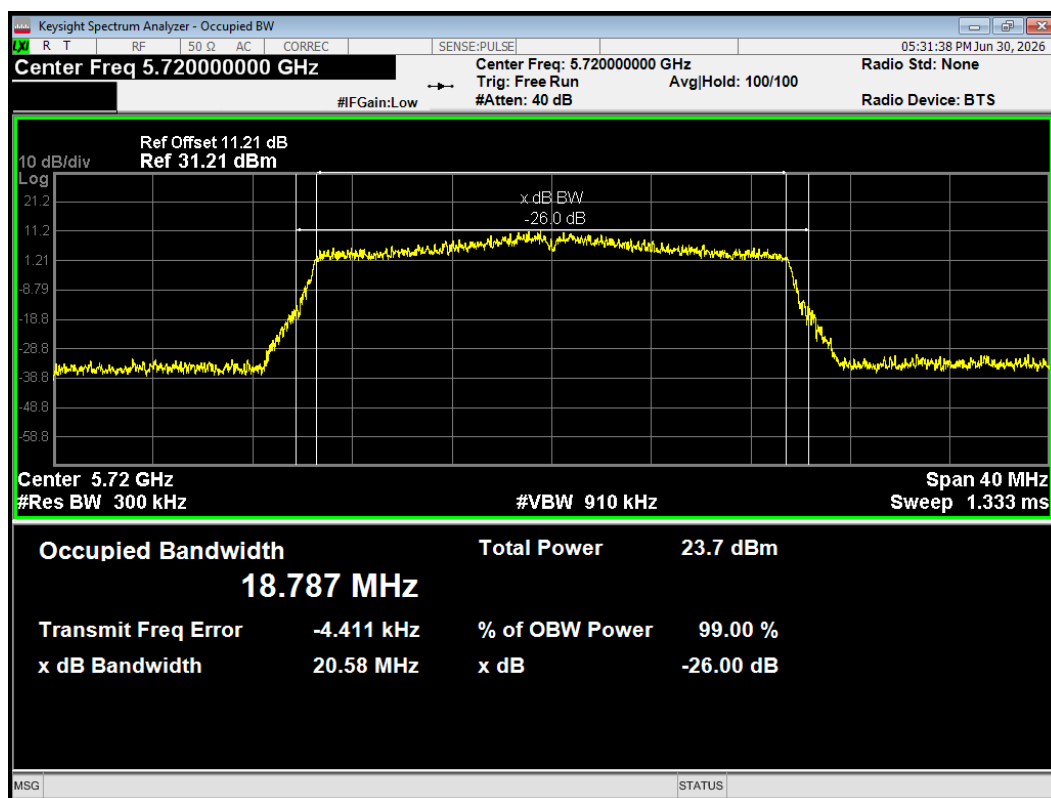
OBW 802.11ac(VHT80) 5690MHz



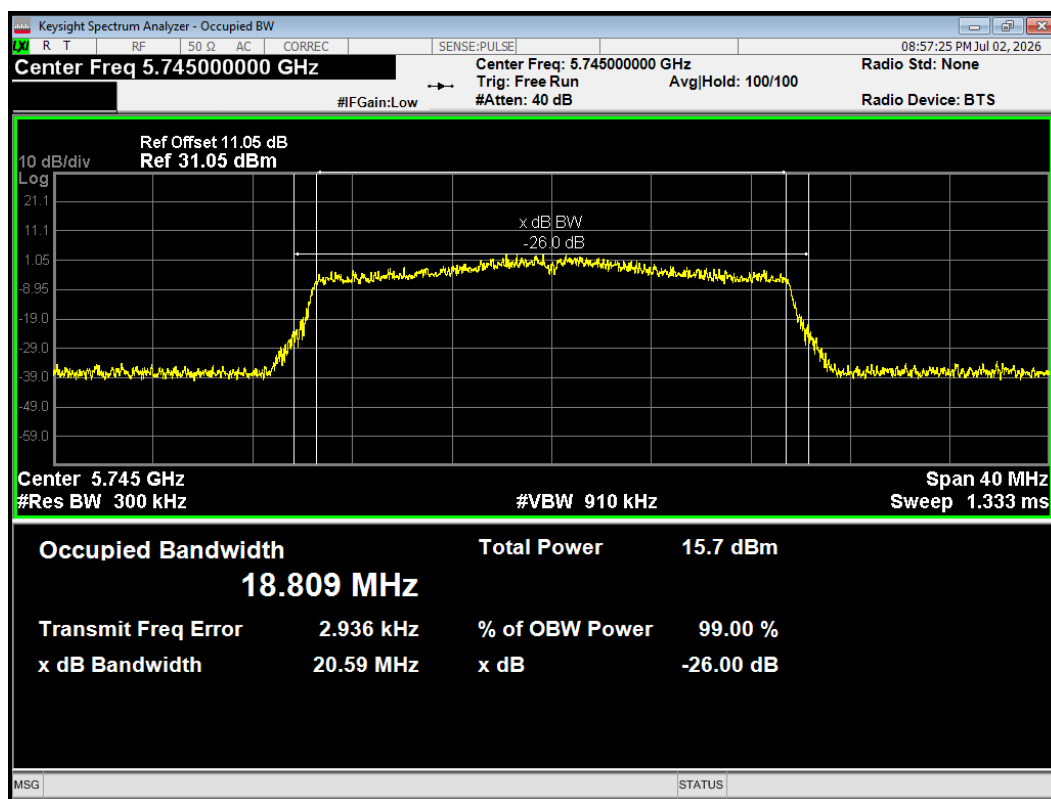
OBW 802.11ac(VHT80) 5775MHz



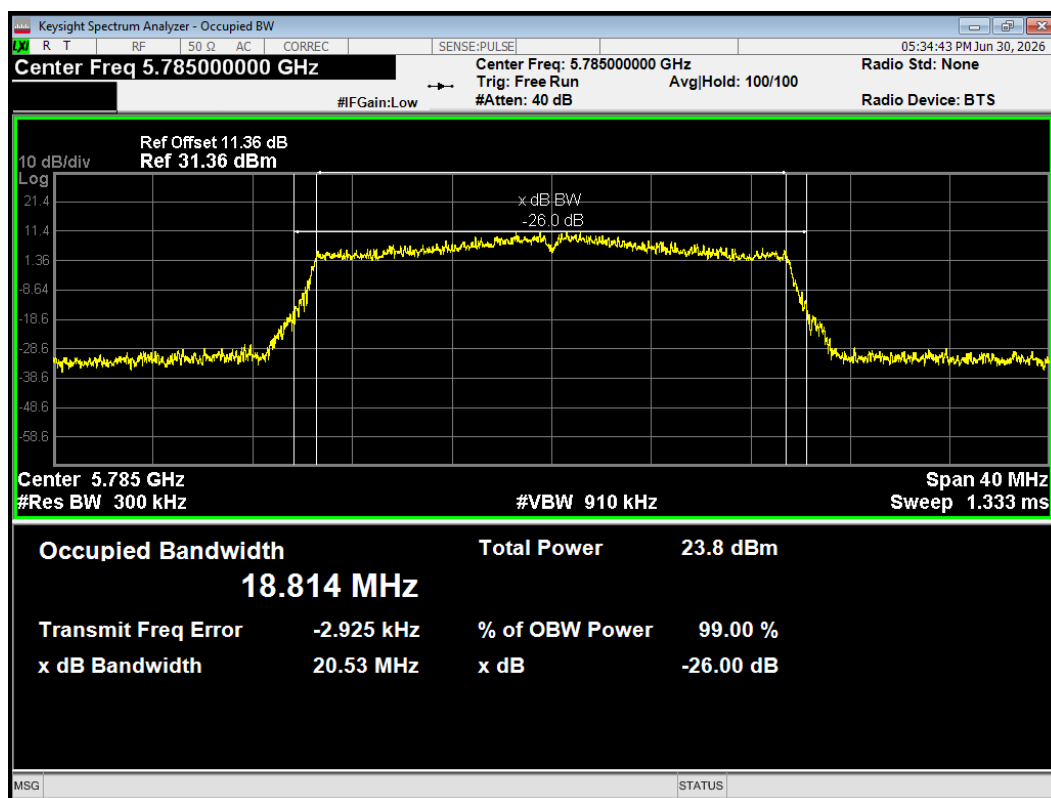
OBW 802.11ax(HE20) 5720MHz



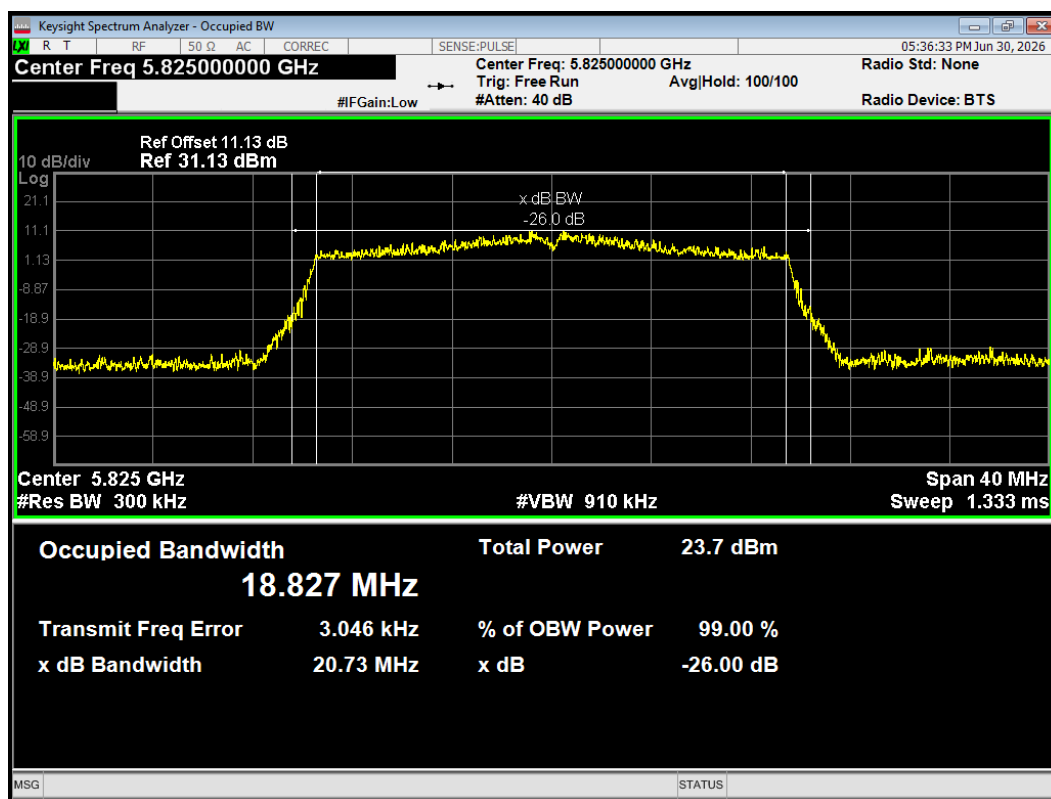
OBW 802.11ax(HE20) 5745MHz



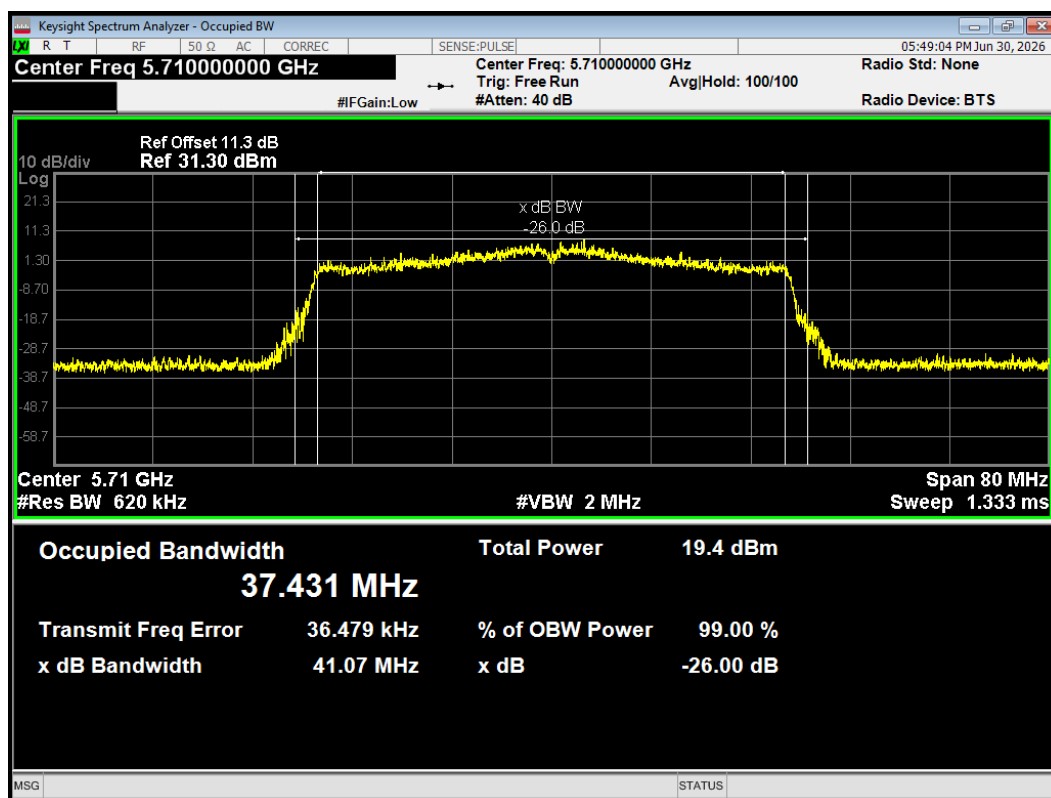
OBW 802.11ax(HE20) 5785MHz



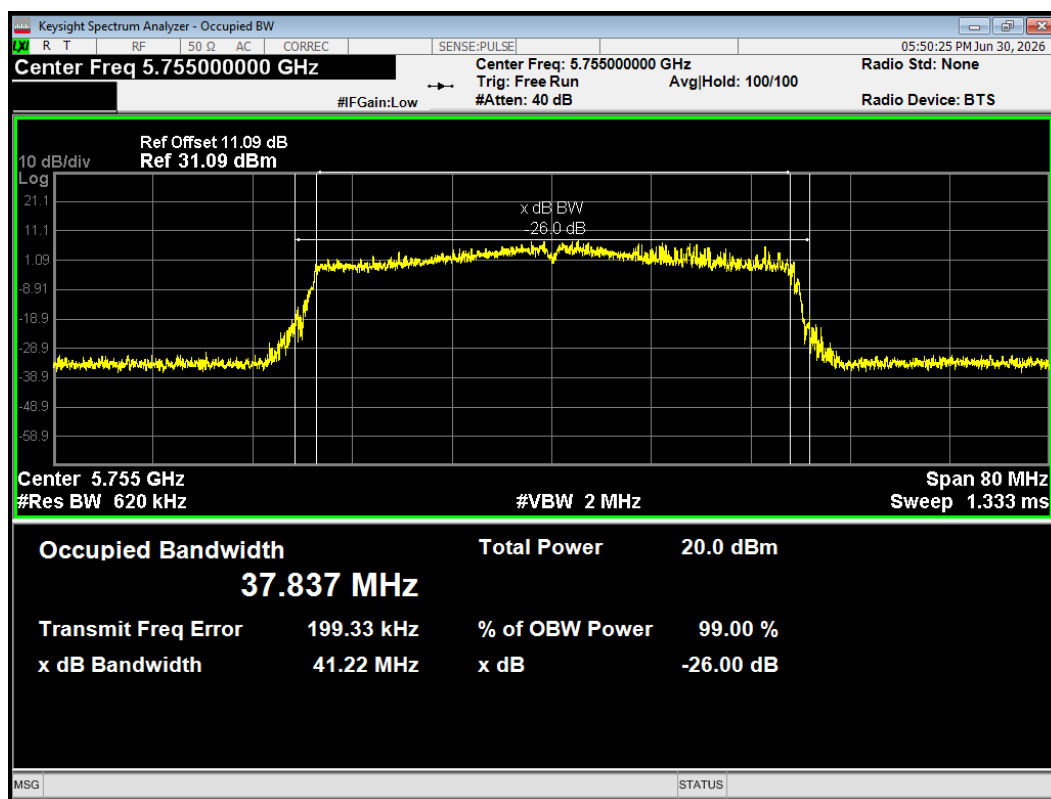
OBW 802.11ax(HE20) 5825MHz



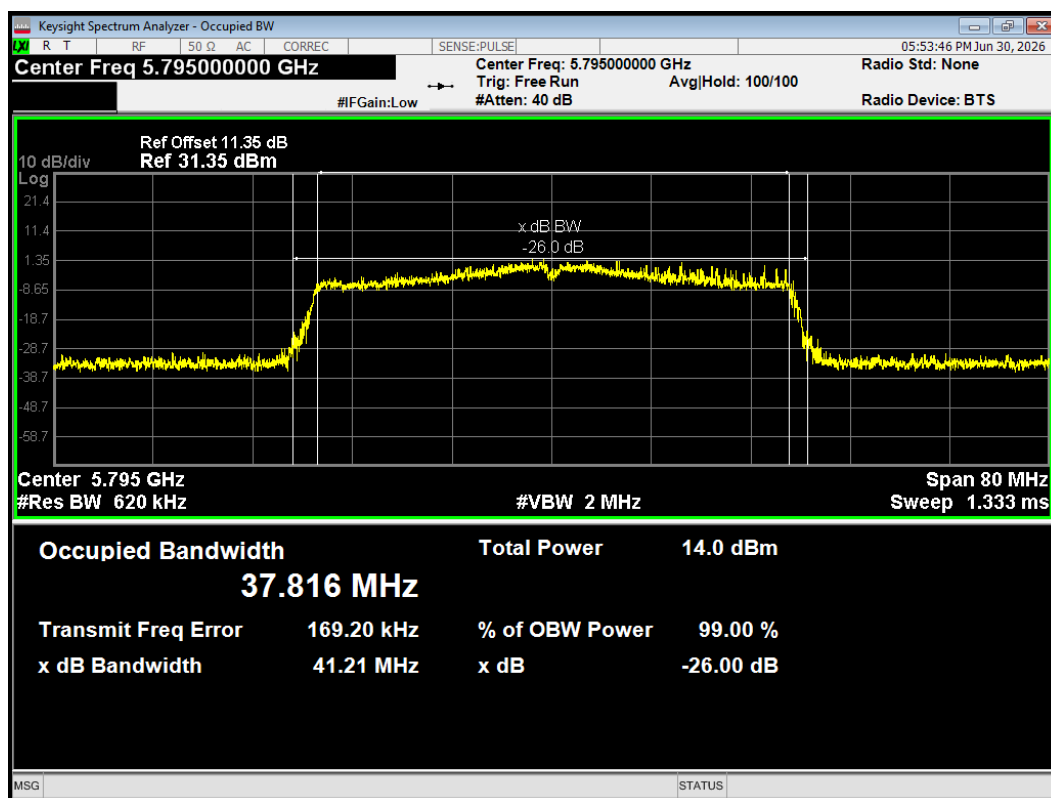
OBW 802.11ax(HE40) 5710MHz



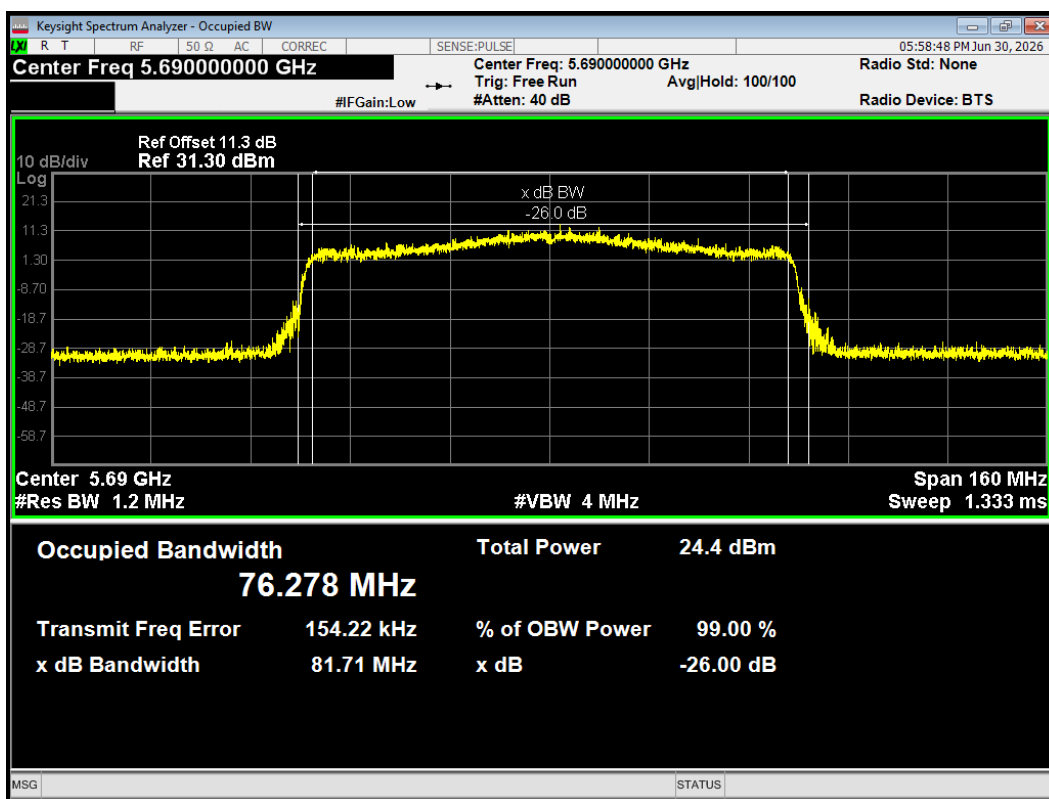
OBW 802.11ax(HE40) 5755MHz



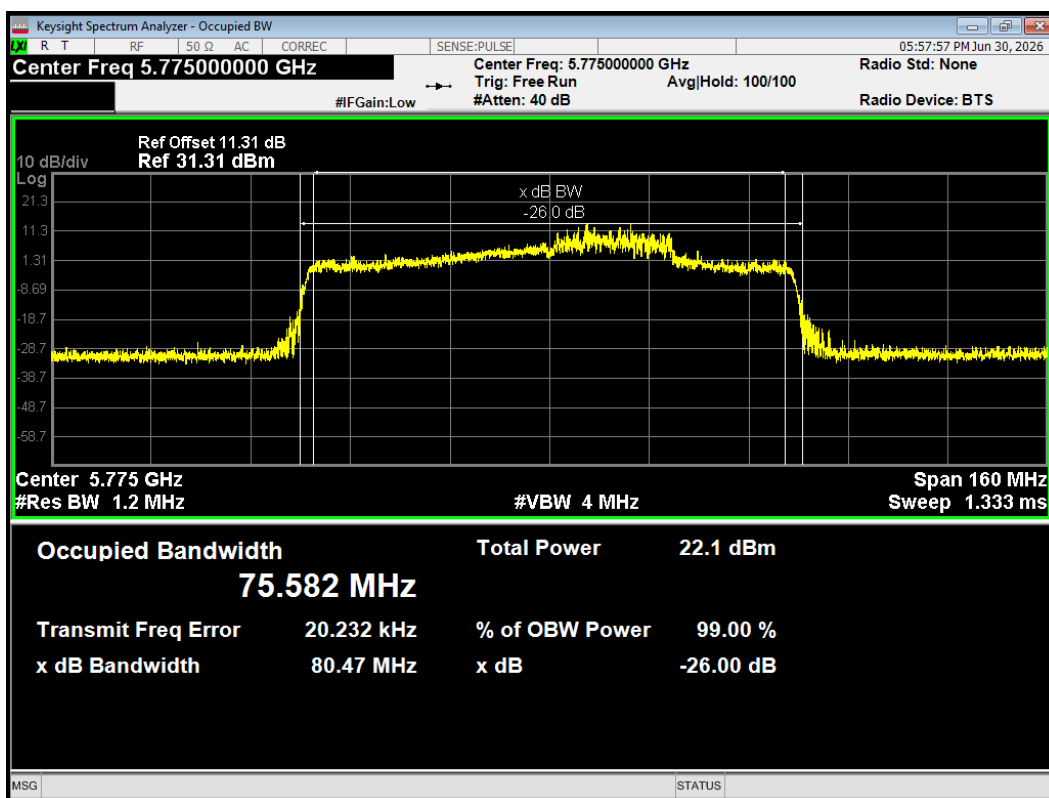
OBW 802.11ax(HE40) 5795MHz



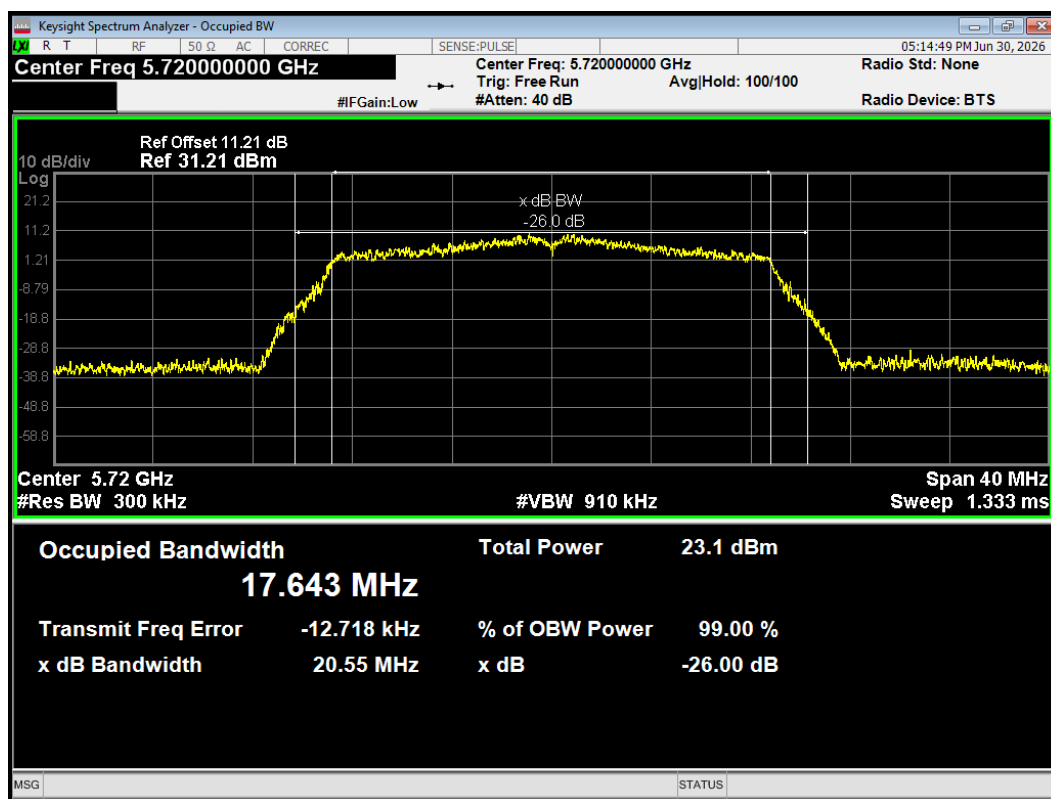
OBW 802.11ax(HE80) 5690MHz



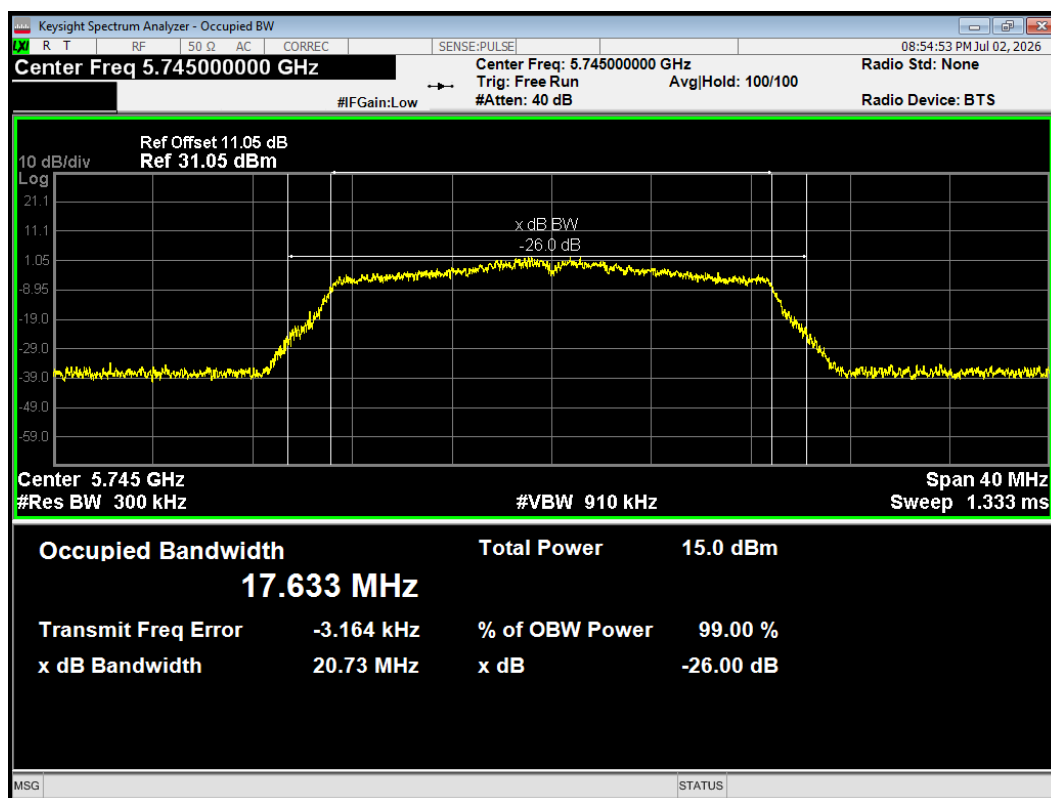
OBW 802.11ax(HE80) 5775MHz



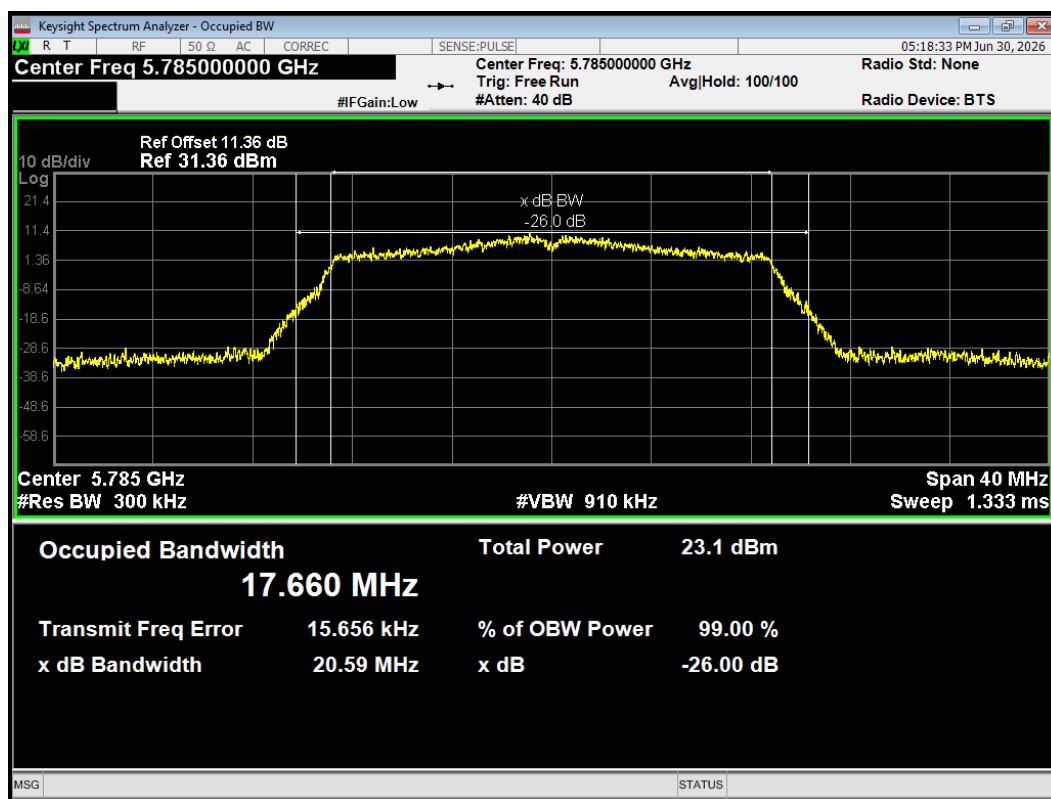
OBW 802.11n(HT20) 5720MHz



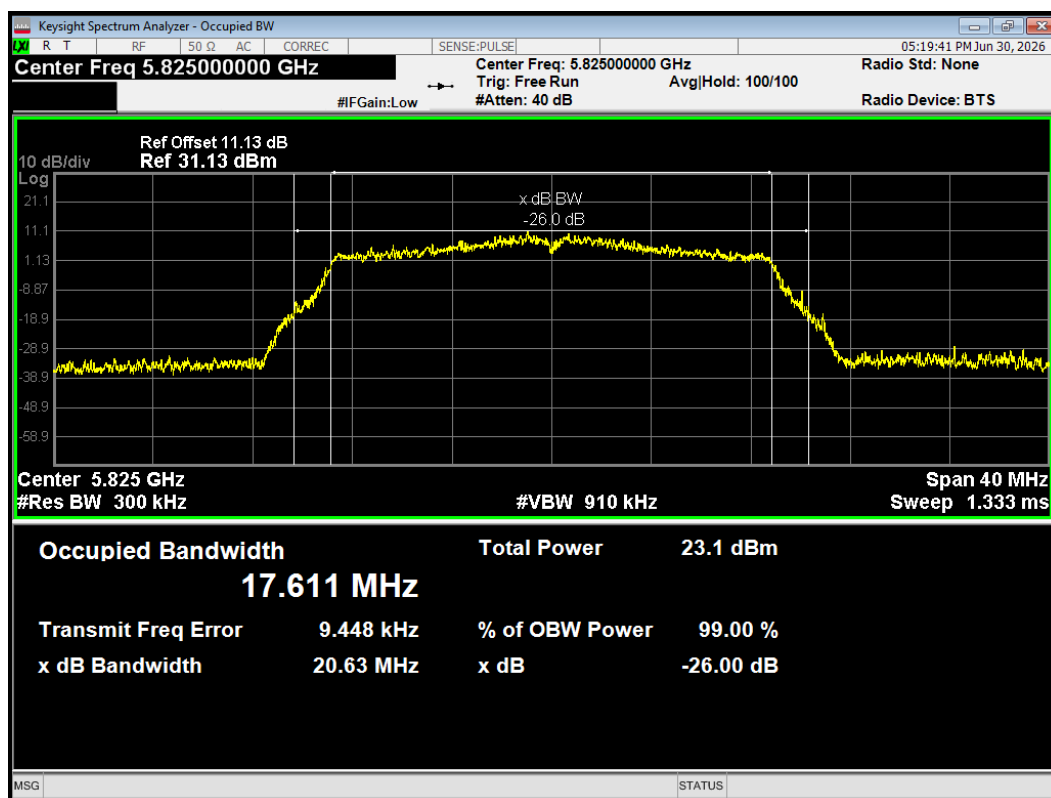
OBW 802.11n(HT20) 5745MHz



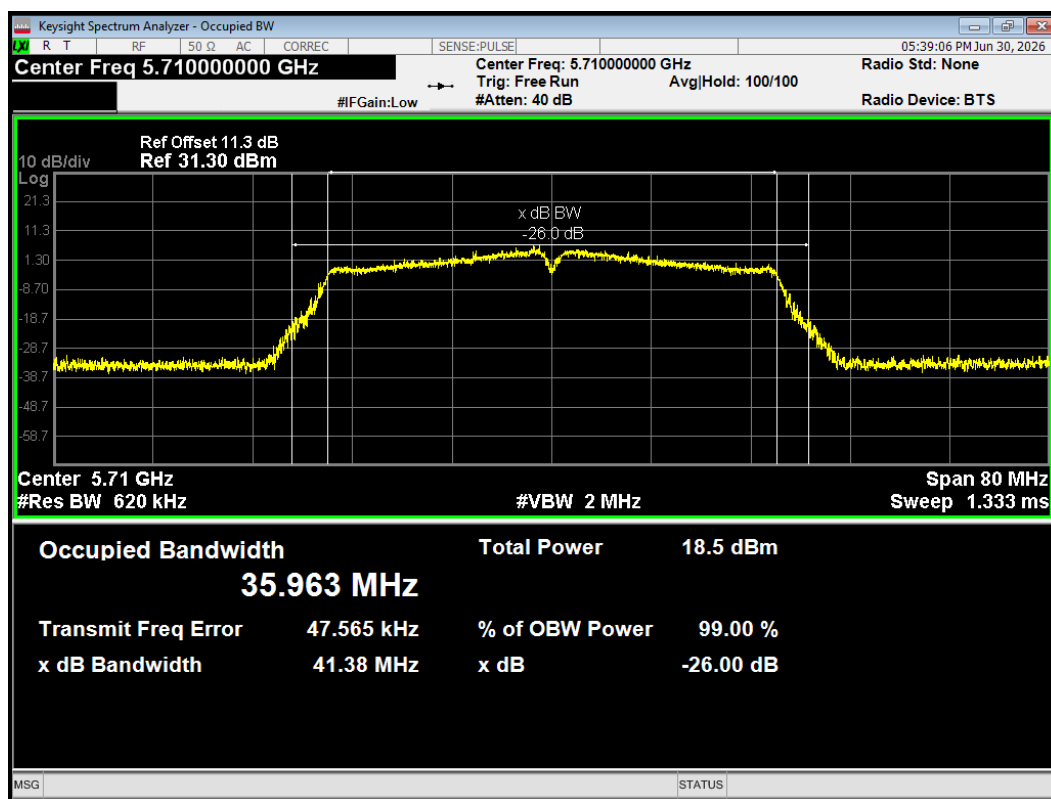
OBW 802.11n(HT20) 5785MHz



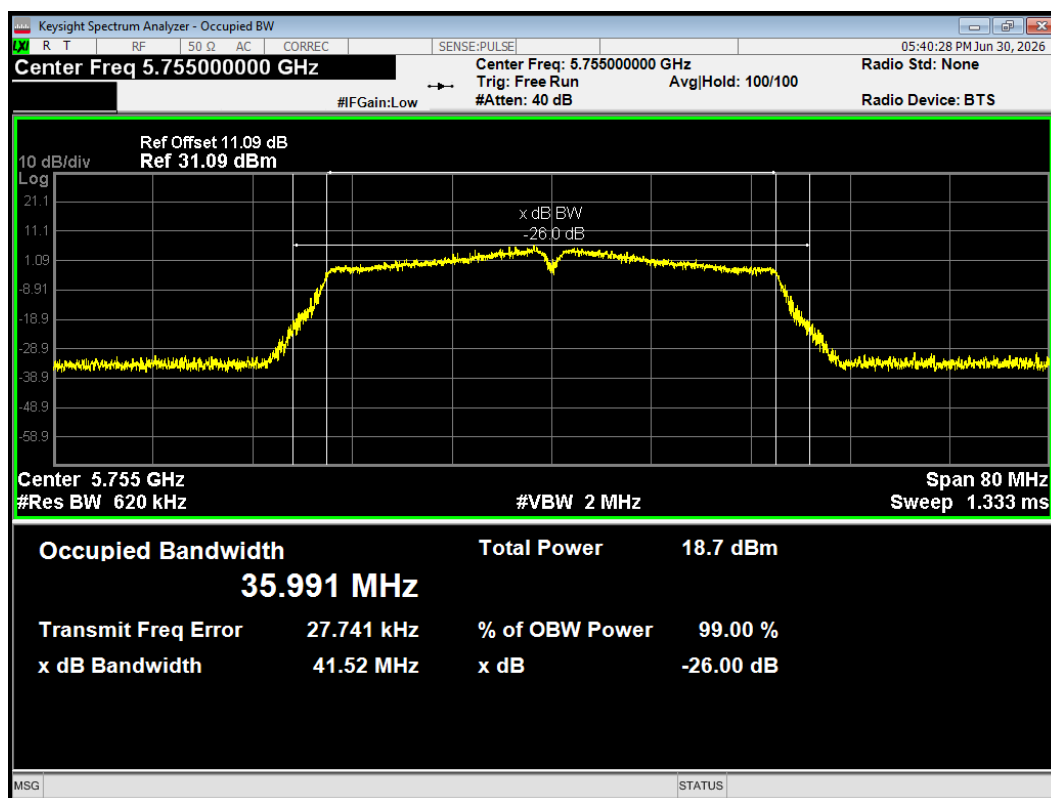
OBW 802.11n(HT20) 5825MHz



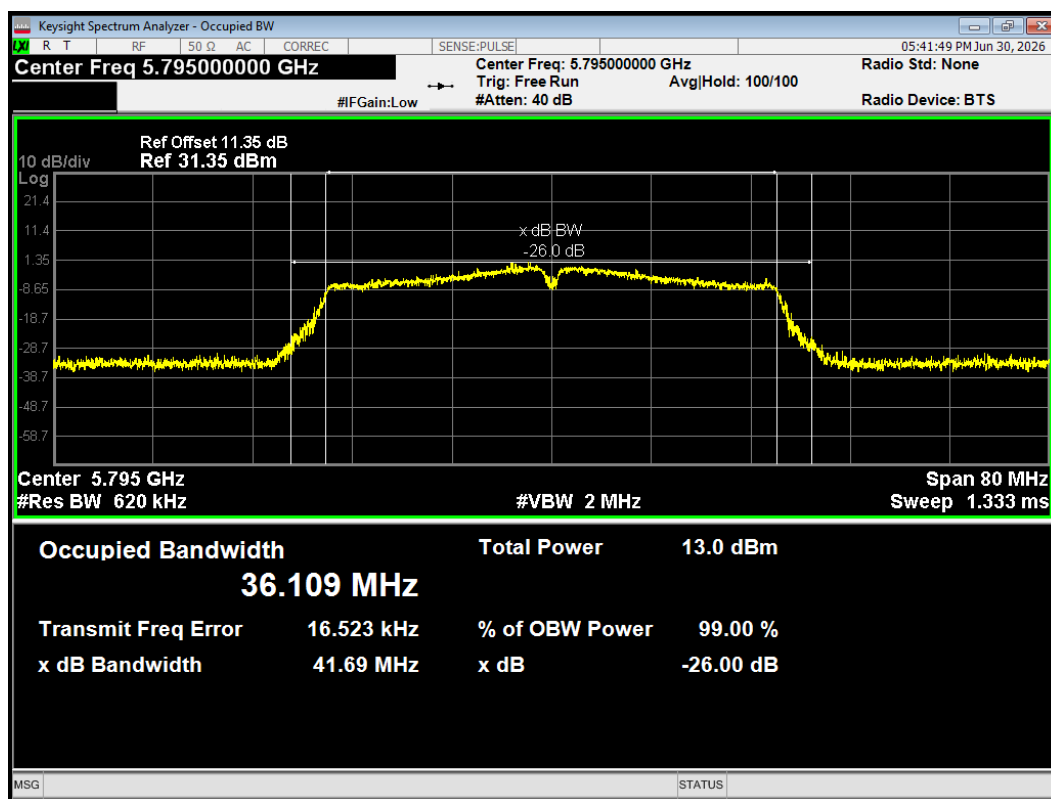
OBW 802.11n(HT40) 5710MHz



OBW 802.11n(HT40) 5755MHz



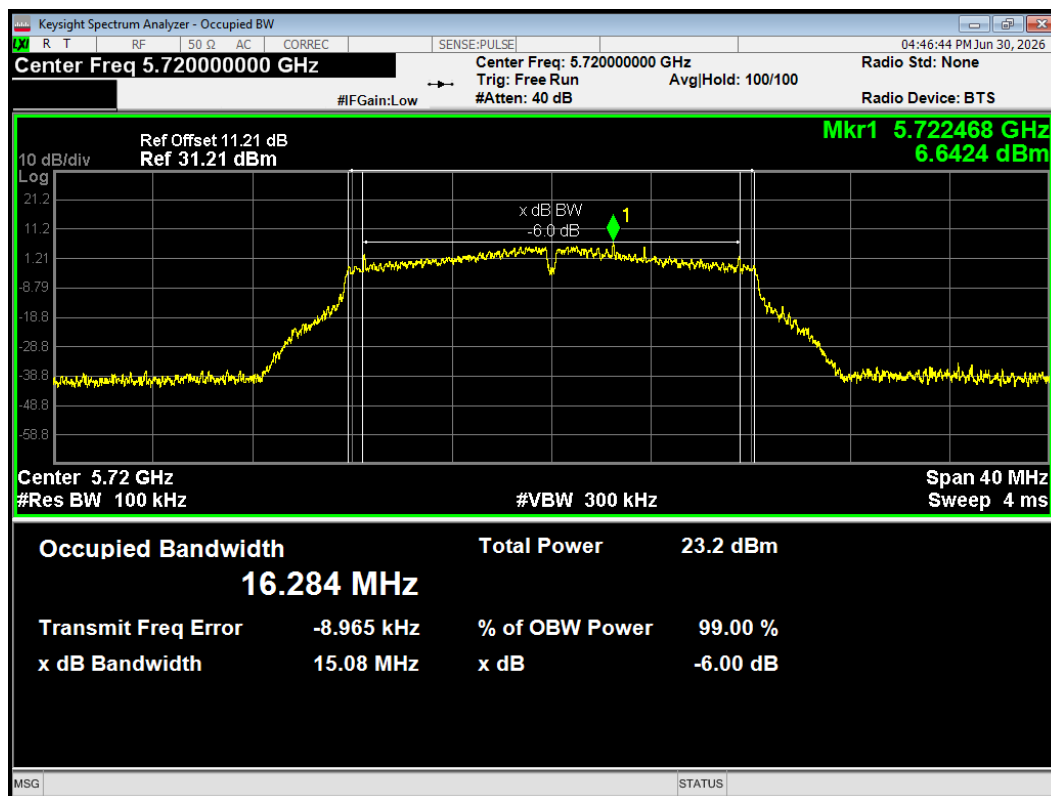
OBW 802.11n(HT40) 5795MHz



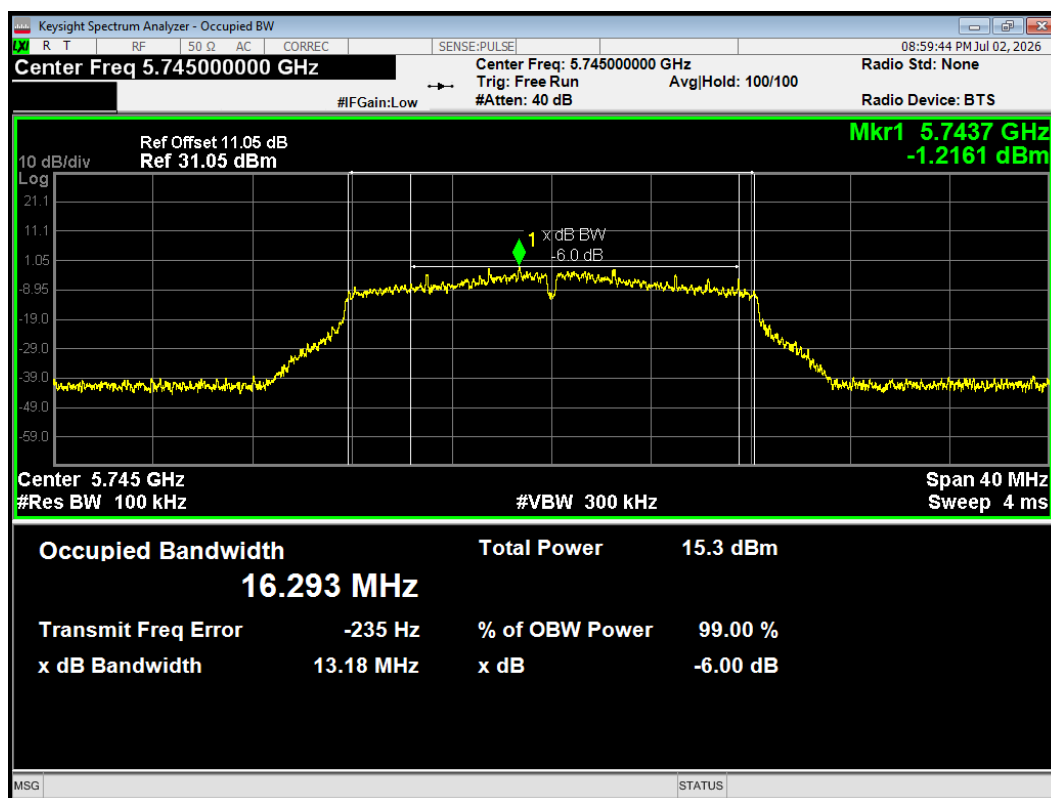
Minimum 6 dB bandwidth

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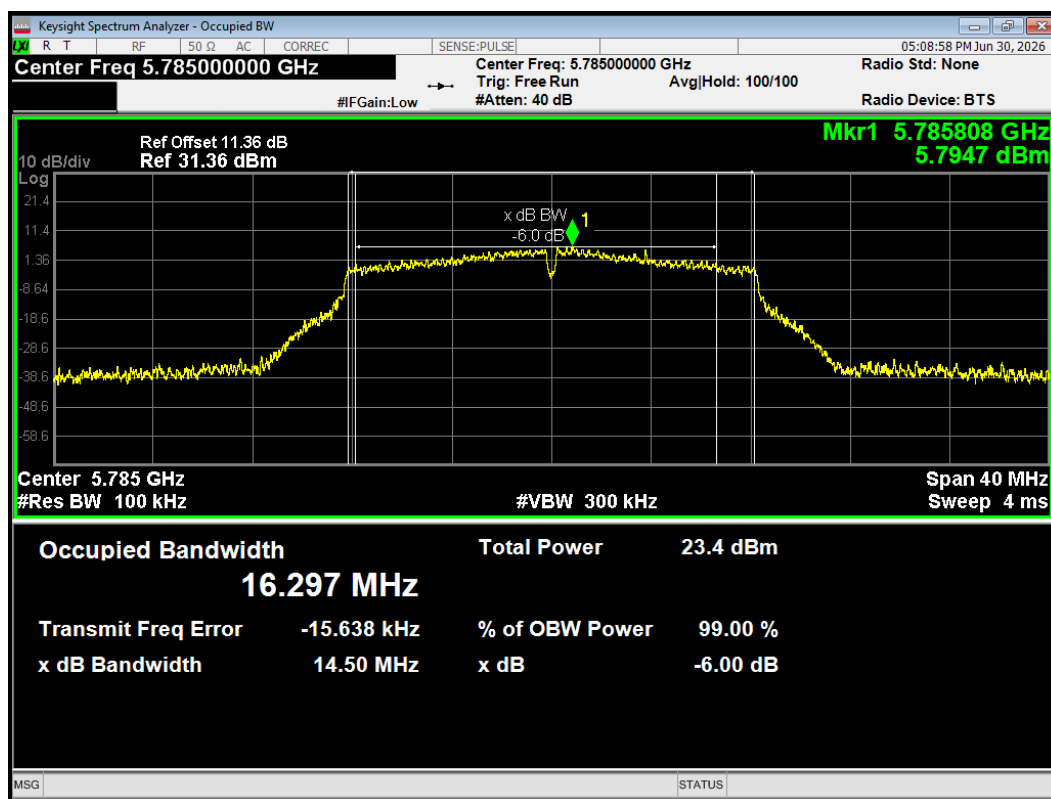
-6dB Bandwidth 802.11a 5720MHz



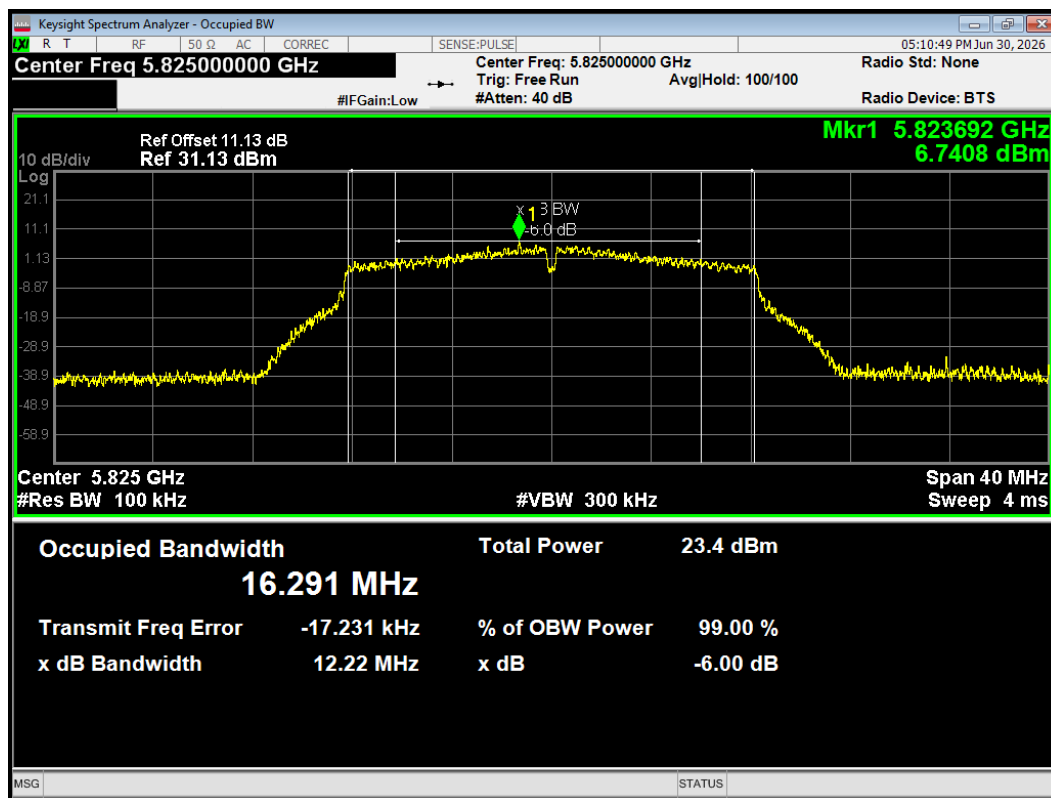
-6dB Bandwidth 802.11a 5745MHz



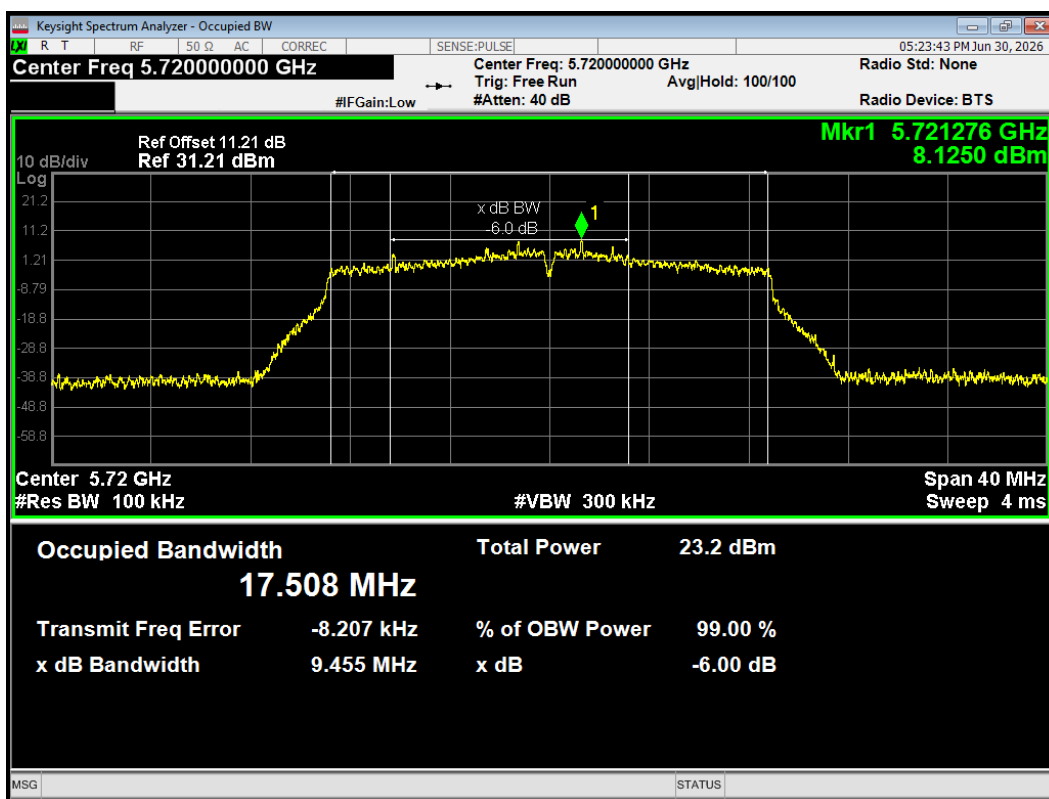
-6dB Bandwidth 802.11a 5785MHz



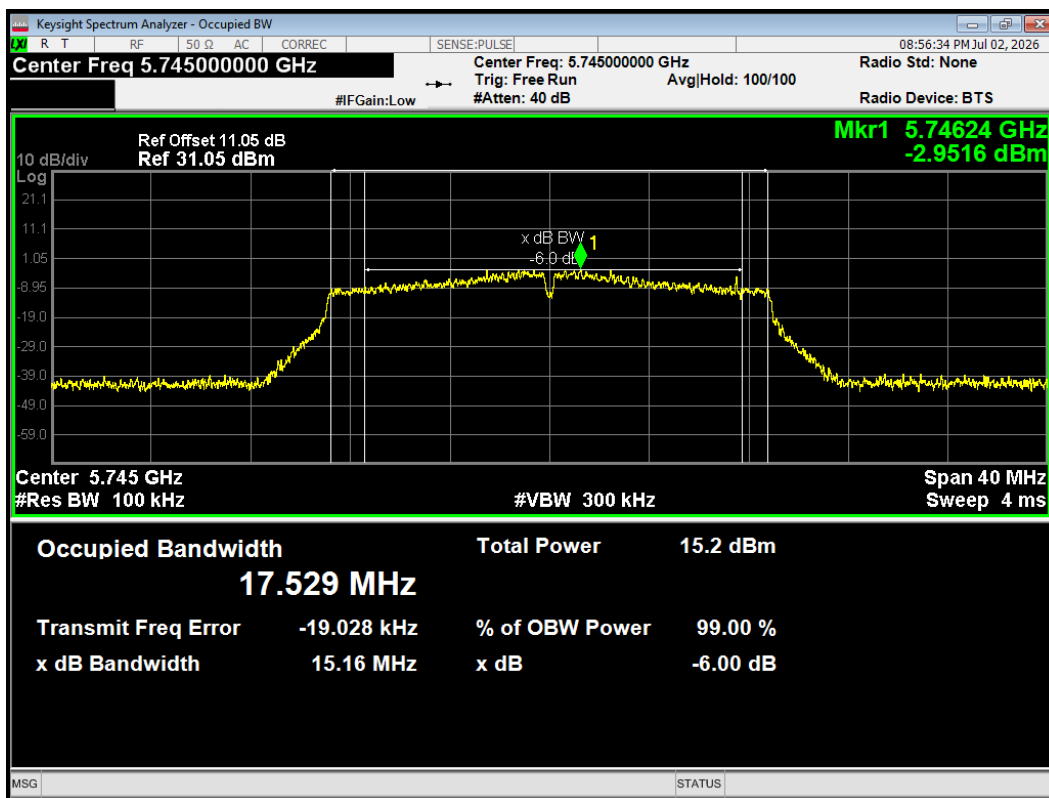
-6dB Bandwidth 802.11a 5825MHz



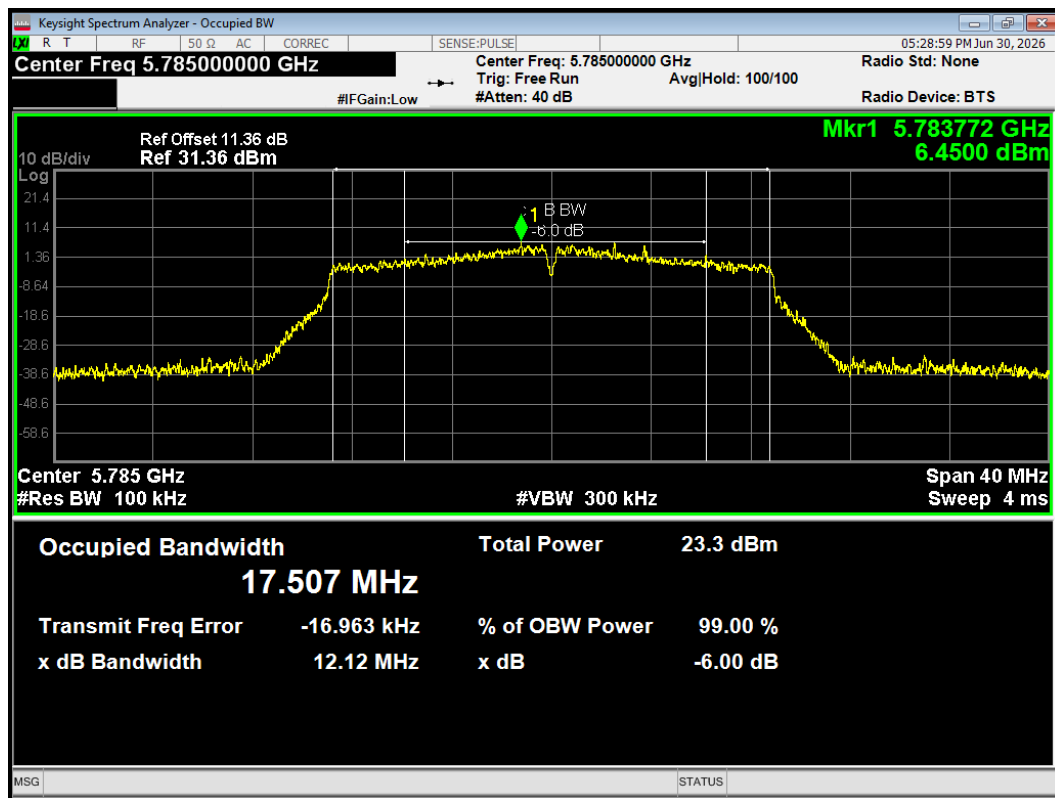
-6dB Bandwidth 802.11ac(VHT20) 5720MHz



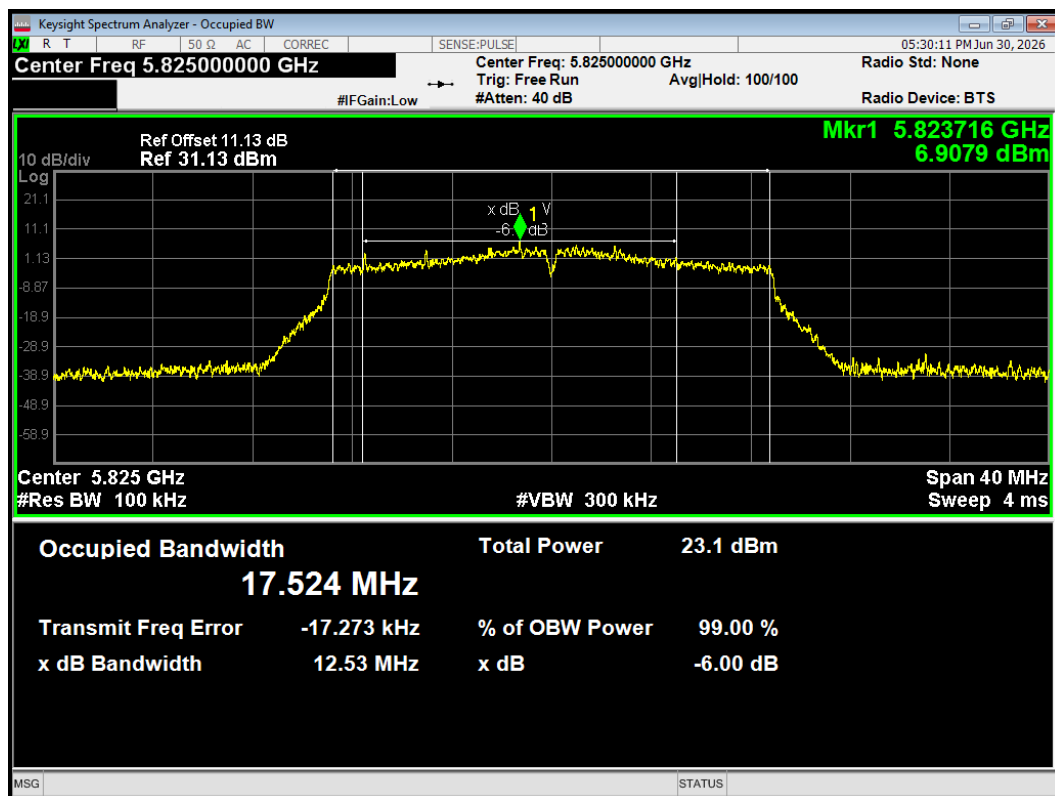
-6dB Bandwidth 802.11ac(VHT20) 5745MHz



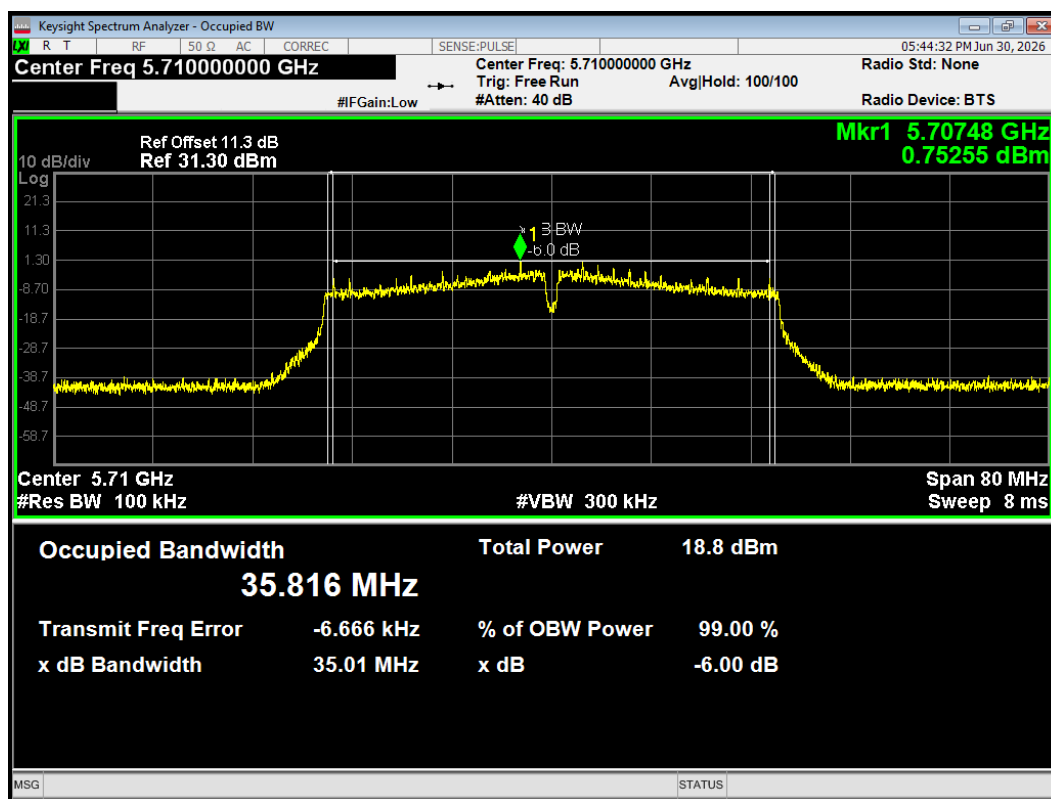
-6dB Bandwidth 802.11ac(VHT20) 5785MHz



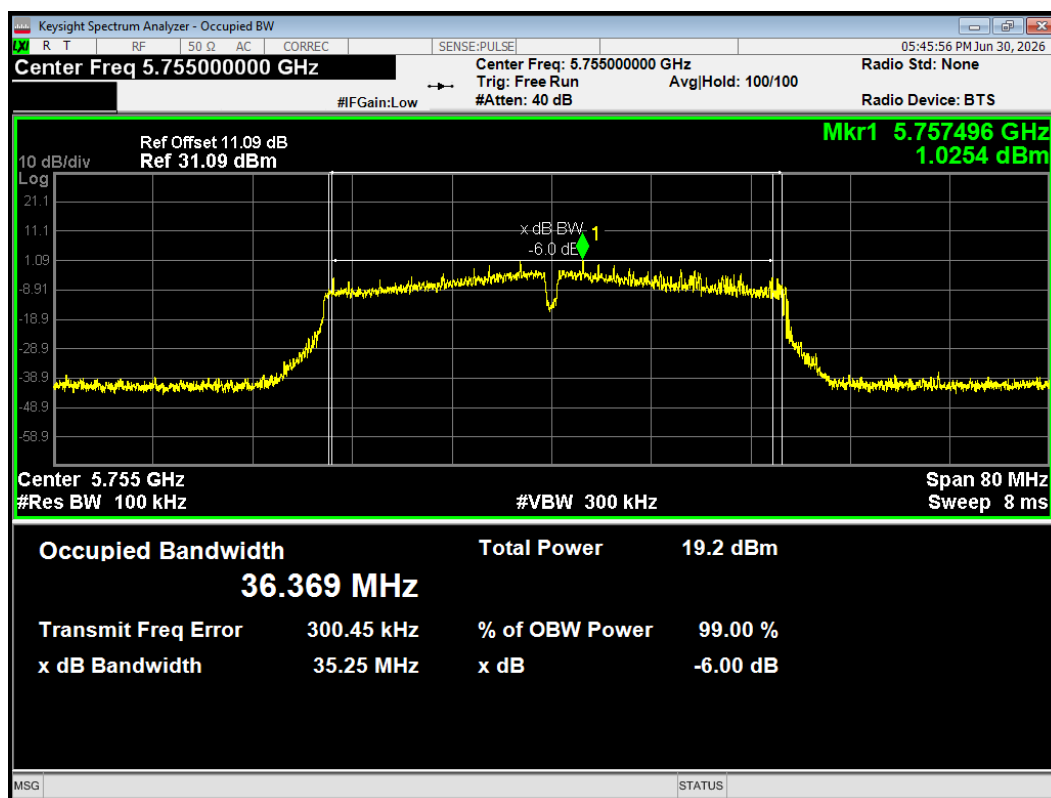
-6dB Bandwidth 802.11ac(VHT20) 5825MHz



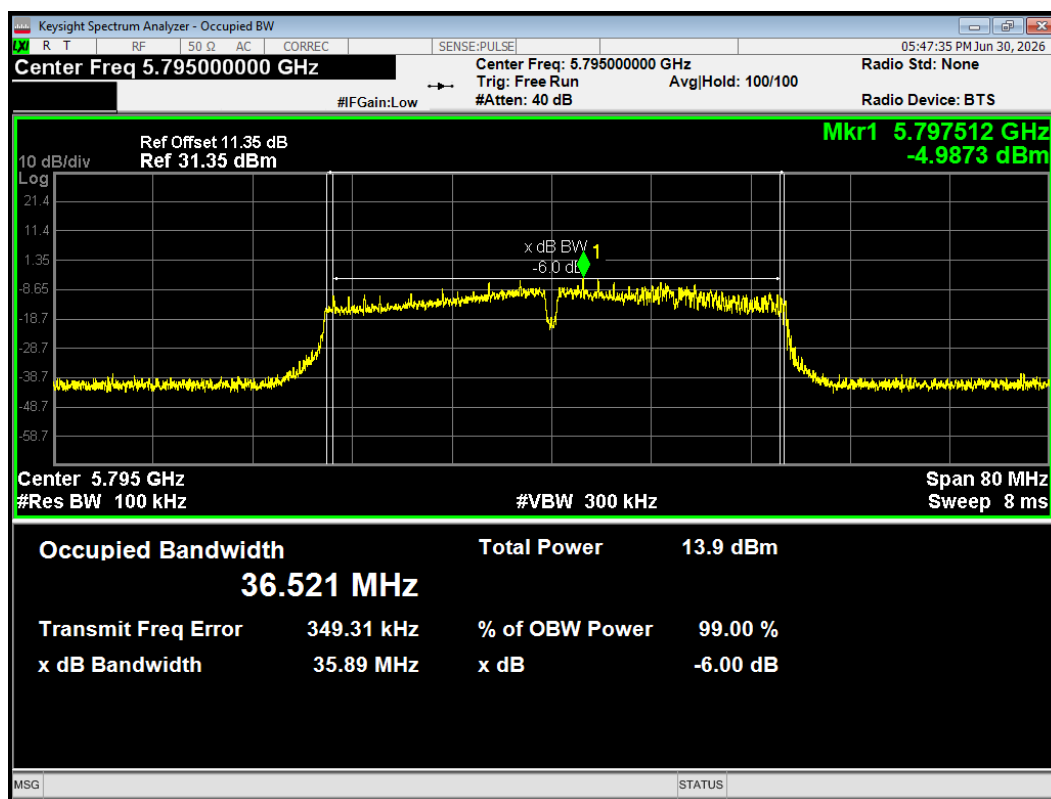
-6dB Bandwidth 802.11ac(VHT40) 5710MHz



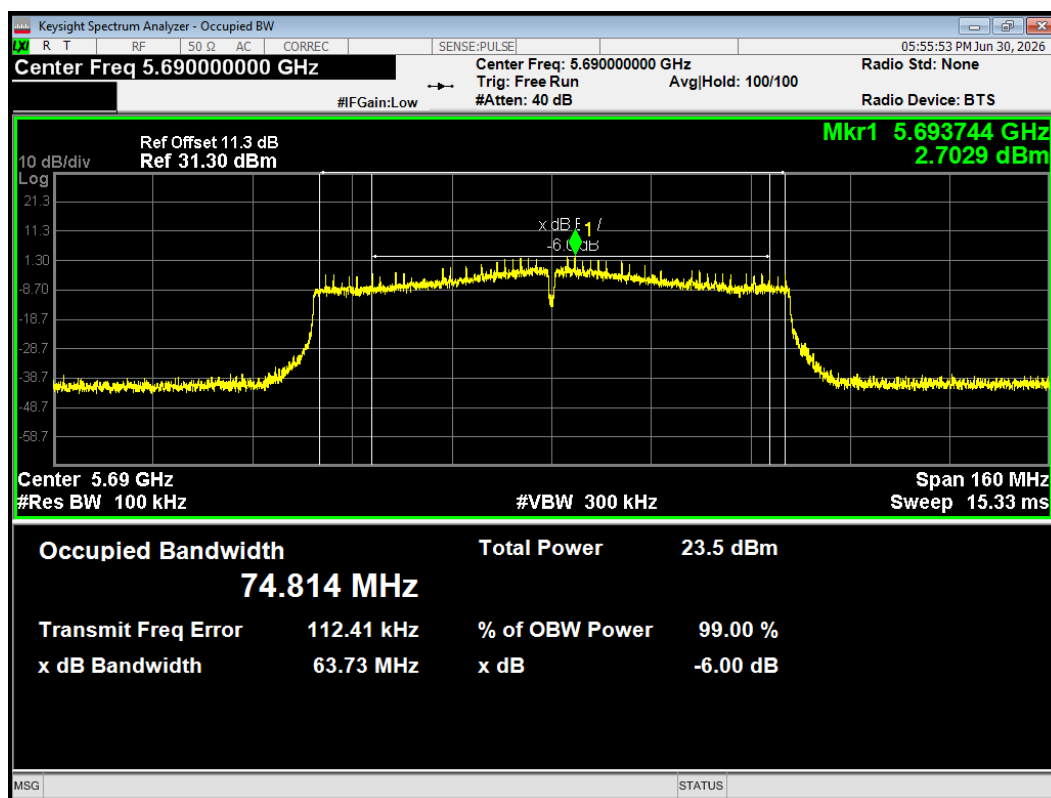
-6dB Bandwidth 802.11ac(VHT40) 5755MHz



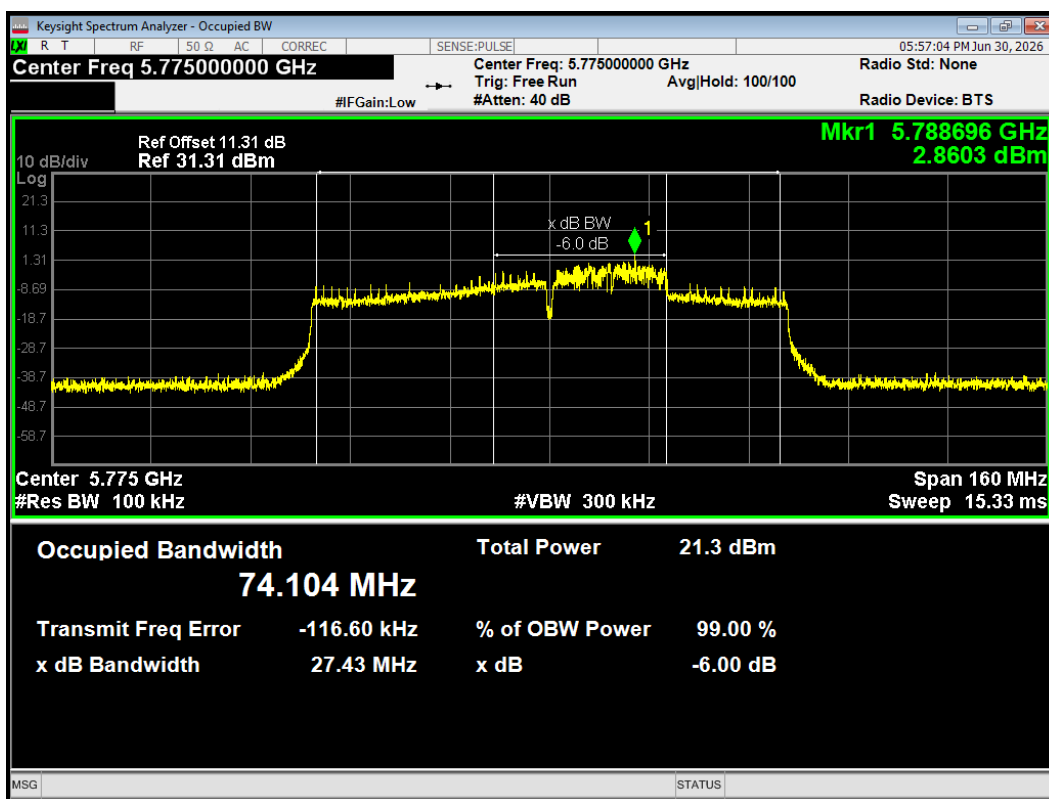
-6dB Bandwidth 802.11ac(VHT40) 5795MHz



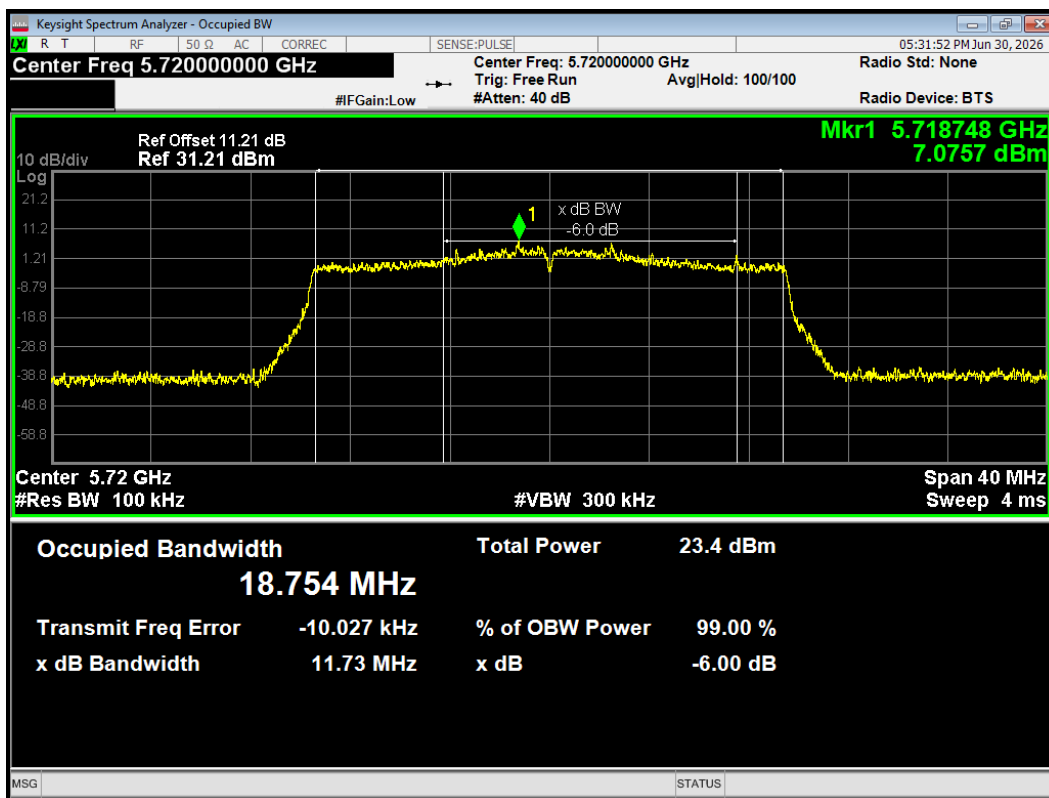
-6dB Bandwidth 802.11ac(VHT80) 5690MHz



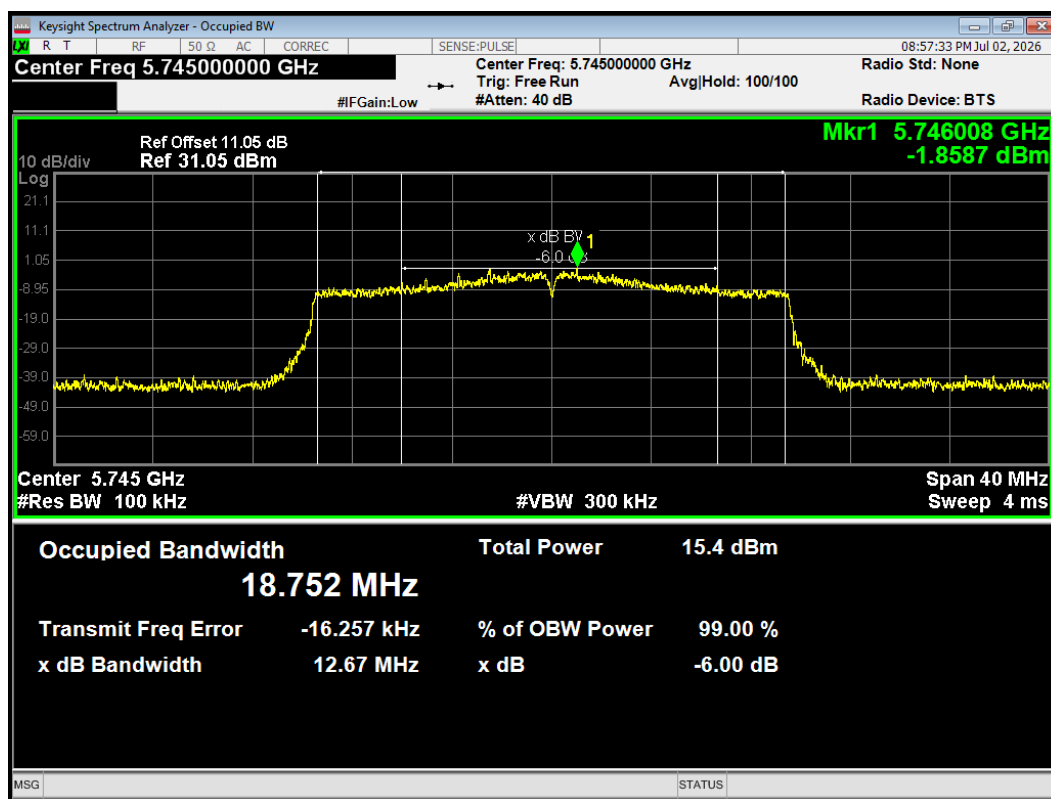
-6dB Bandwidth 802.11ac(VHT80) 5775MHz



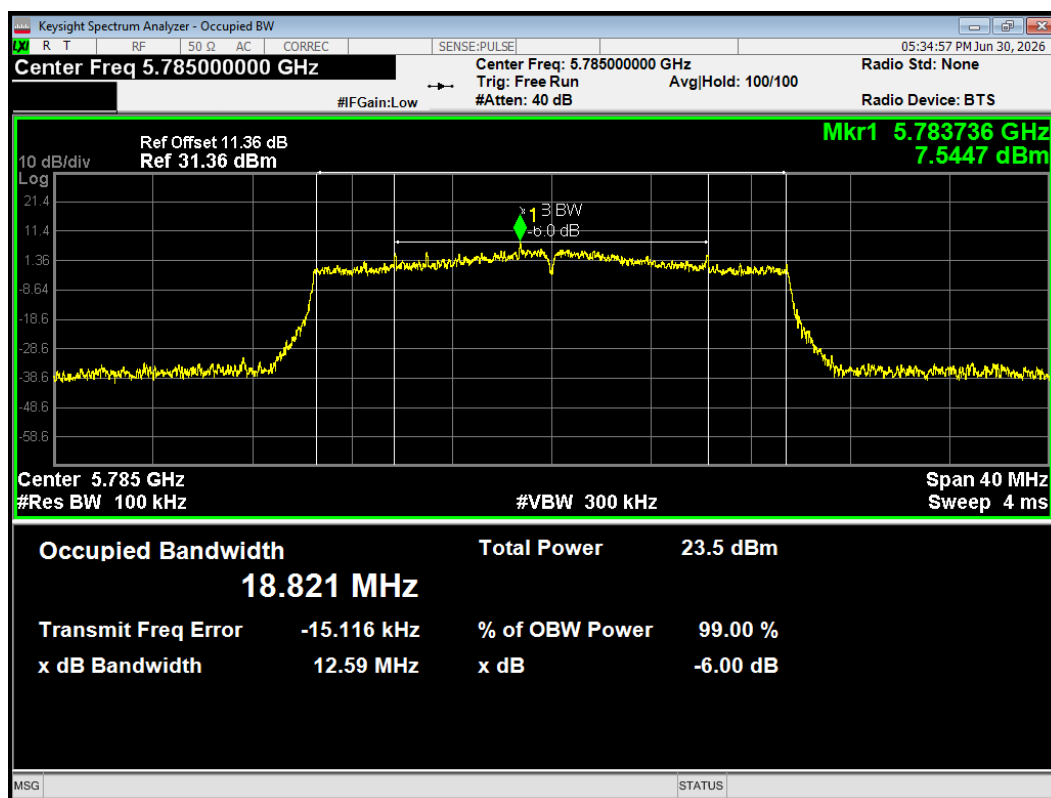
-6dB Bandwidth 802.11ax(HE20) 5720MHz



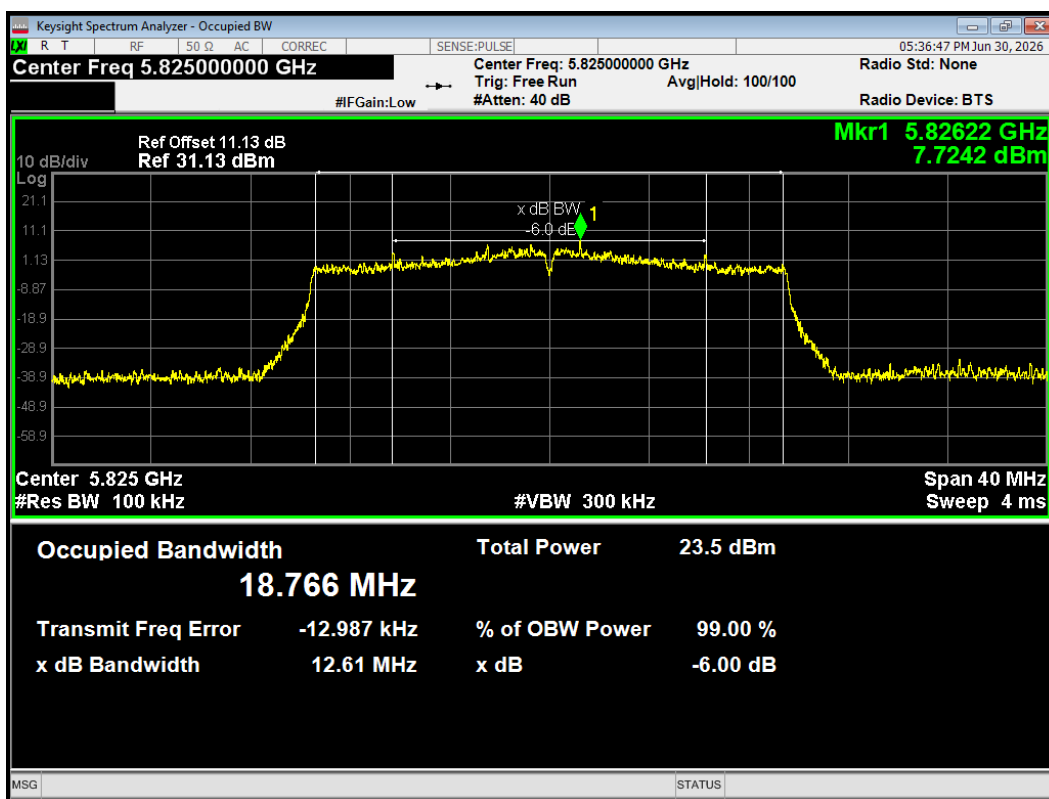
-6dB Bandwidth 802.11ax(HE20) 5745MHz



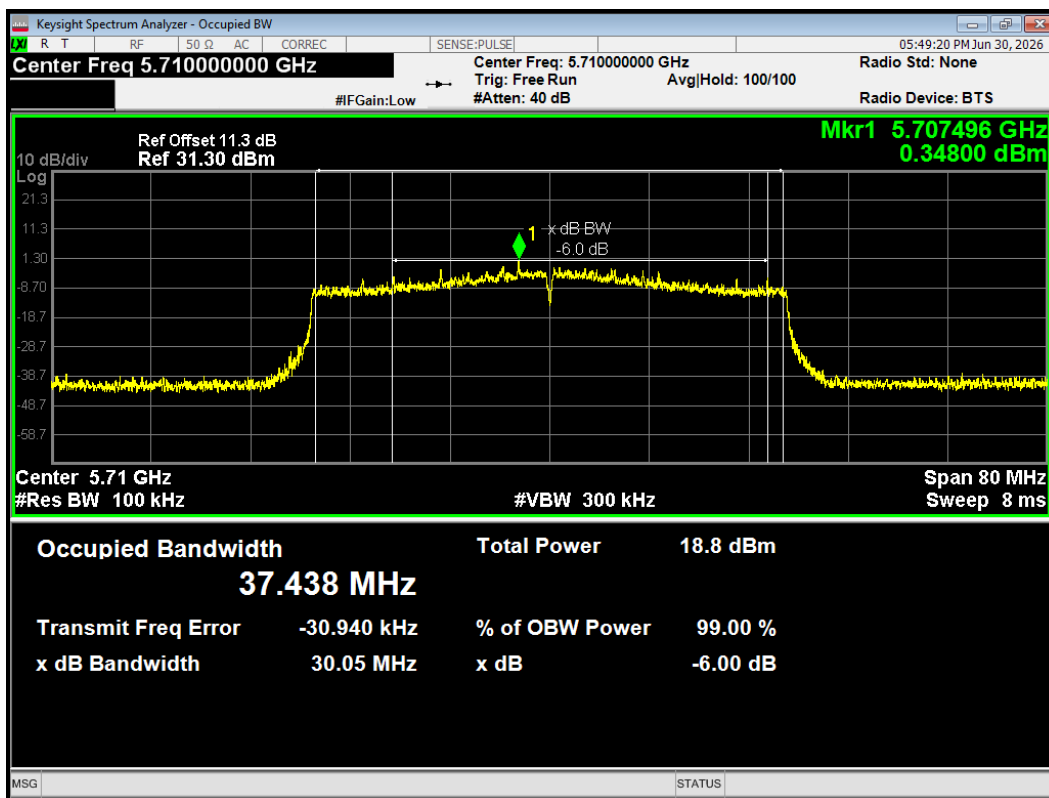
-6dB Bandwidth 802.11ax(HE20) 5785MHz



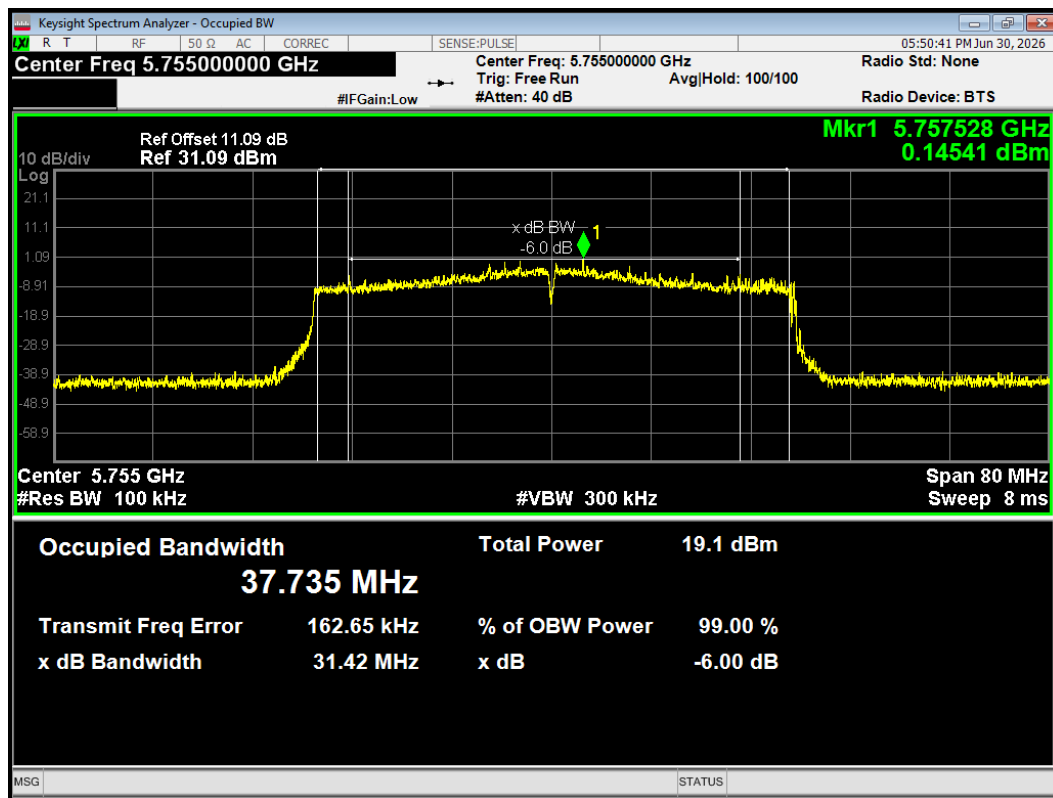
-6dB Bandwidth 802.11ax(HE20) 5825MHz



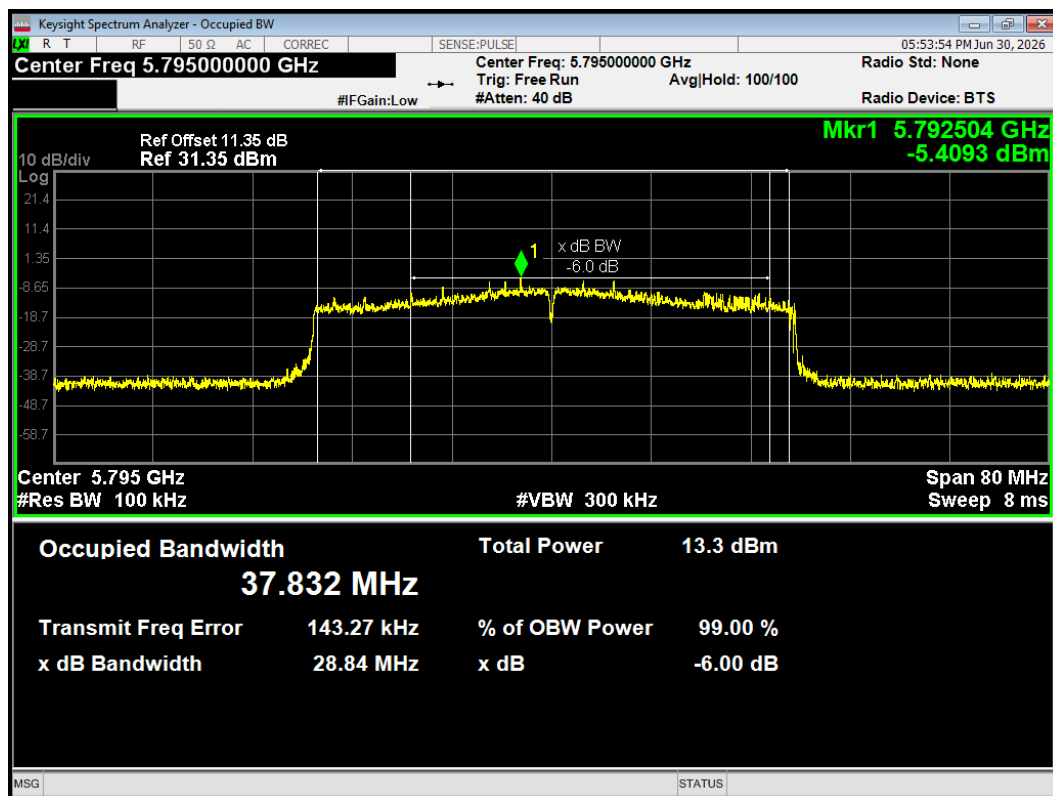
-6dB Bandwidth 802.11ax(HE40) 5710MHz



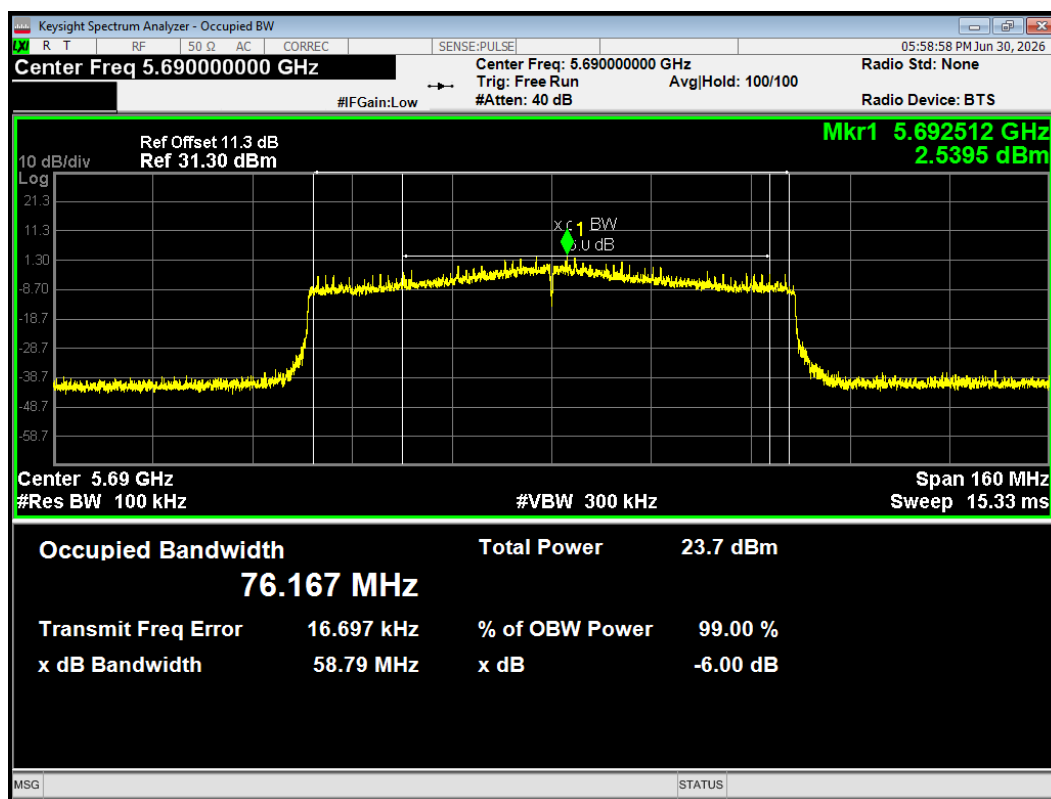
-6dB Bandwidth 802.11ax(HE40) 5755MHz



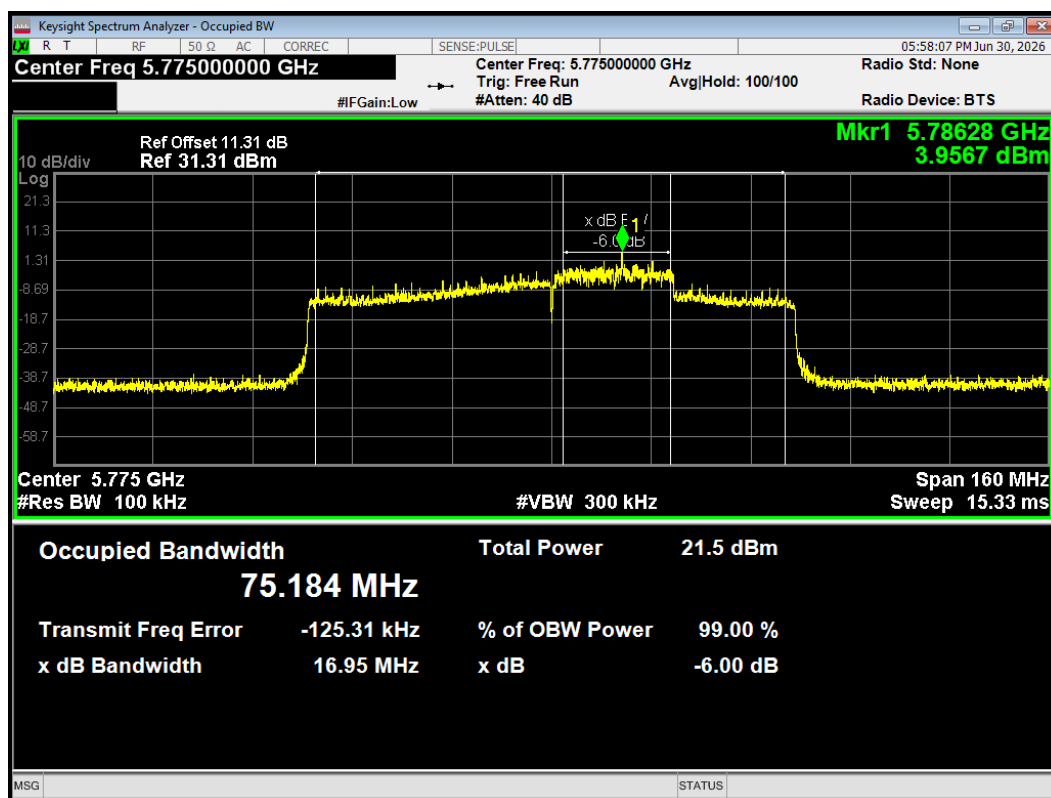
-6dB Bandwidth 802.11ax(HE40) 5795MHz



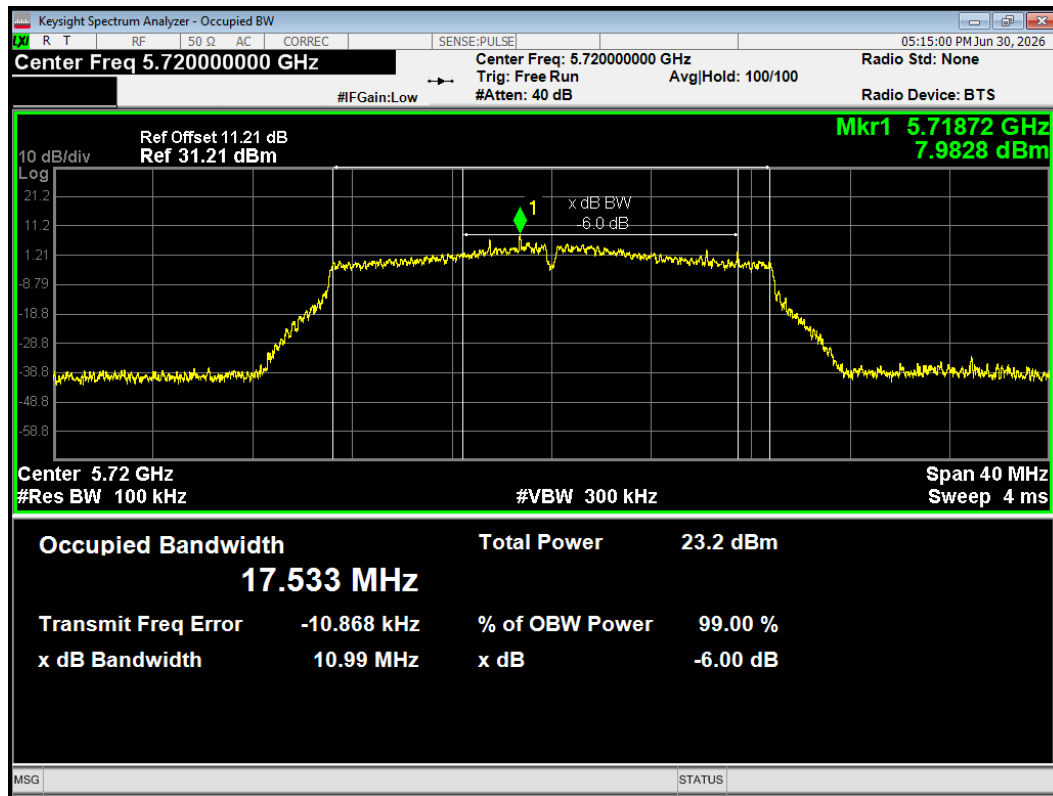
-6dB Bandwidth 802.11ax(HE80) 5690MHz



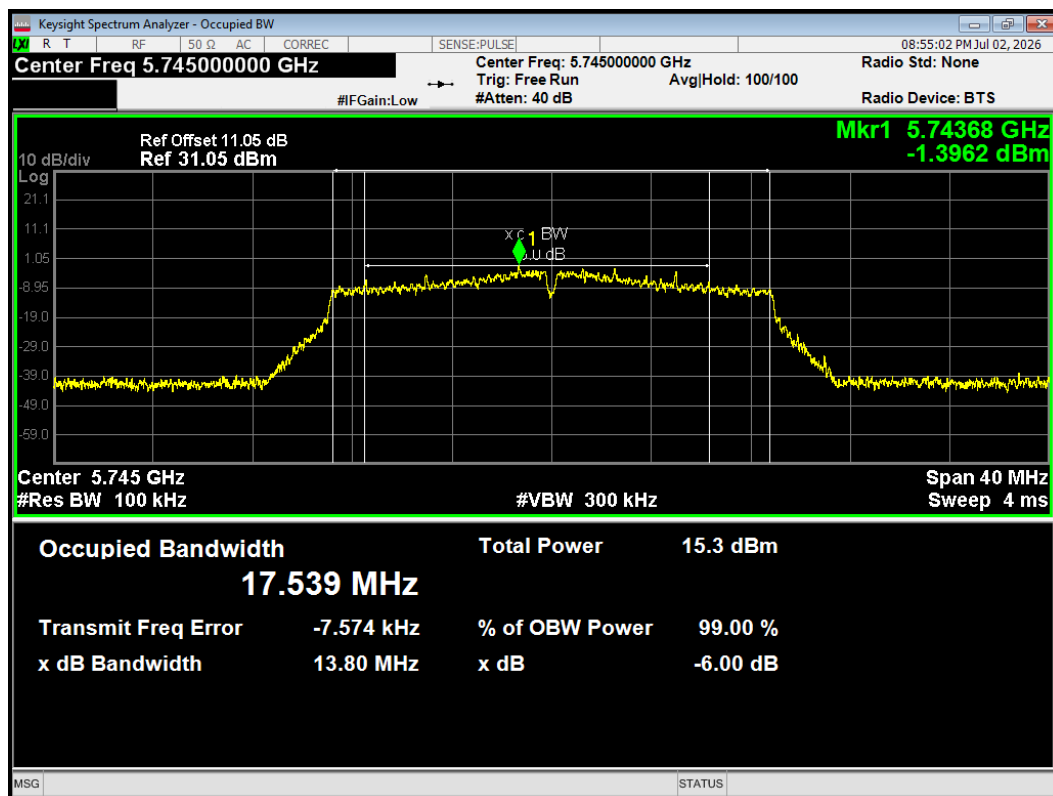
-6dB Bandwidth 802.11ax(HE80) 5775MHz



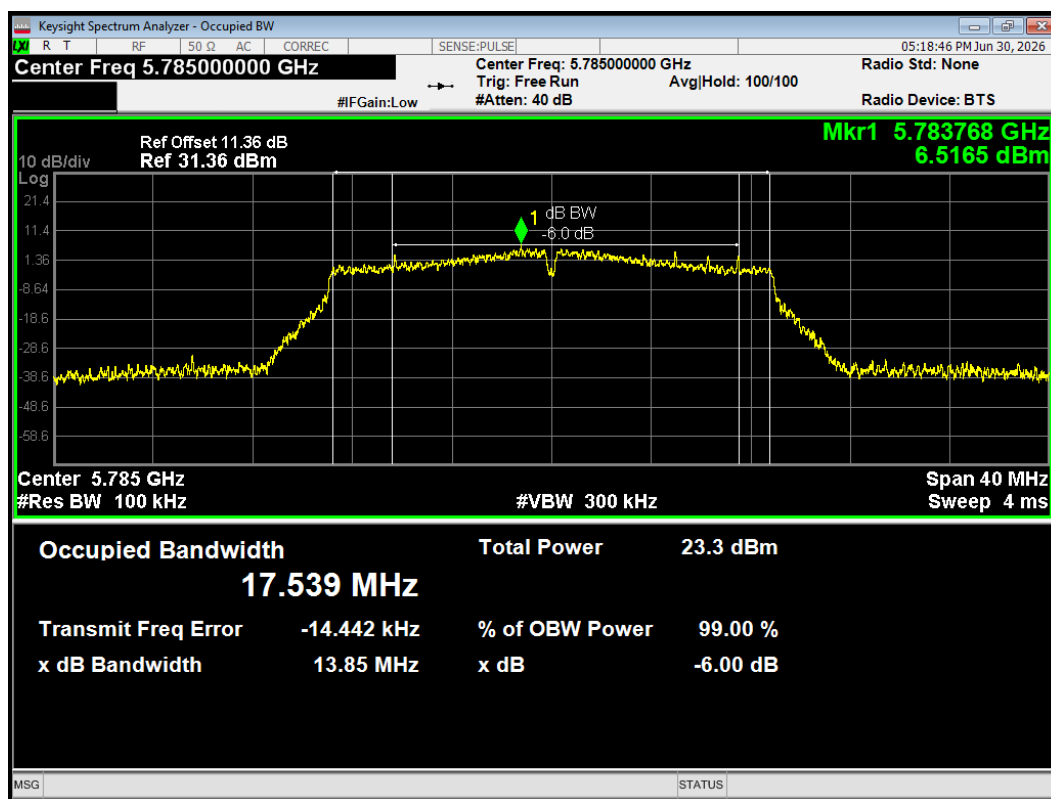
-6dB Bandwidth 802.11n(HT20) 5720MHz



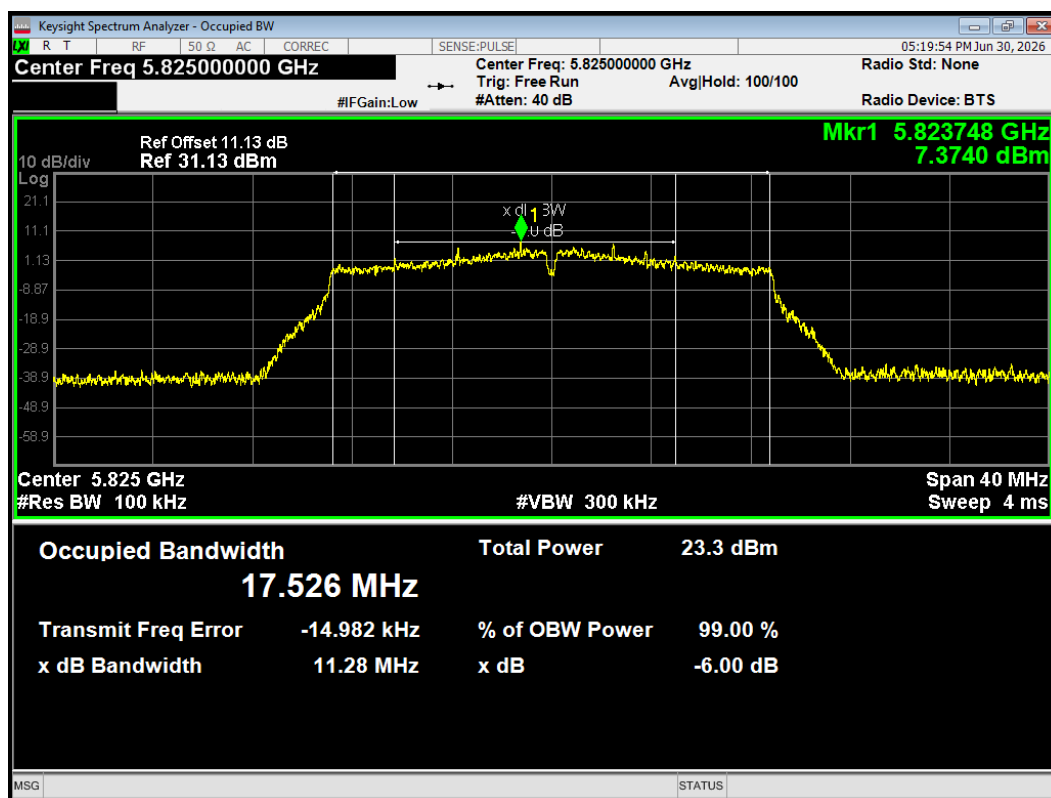
-6dB Bandwidth 802.11n(HT20) 5745MHz



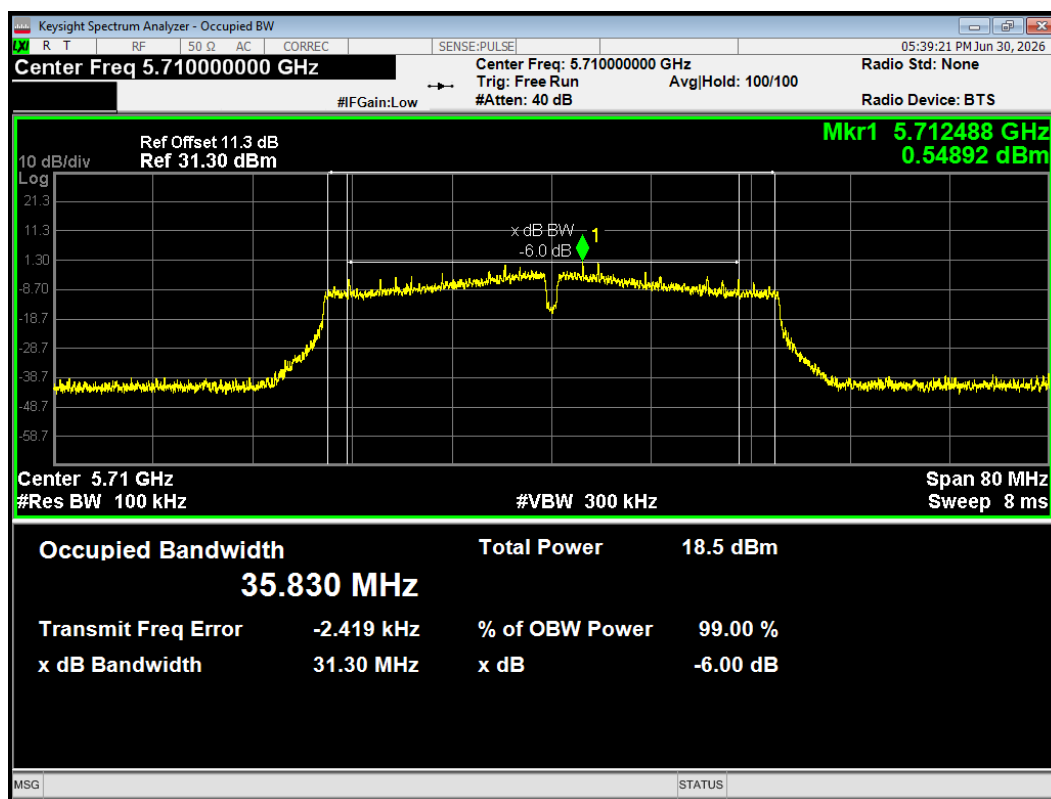
-6dB Bandwidth 802.11n(HT20) 5785MHz



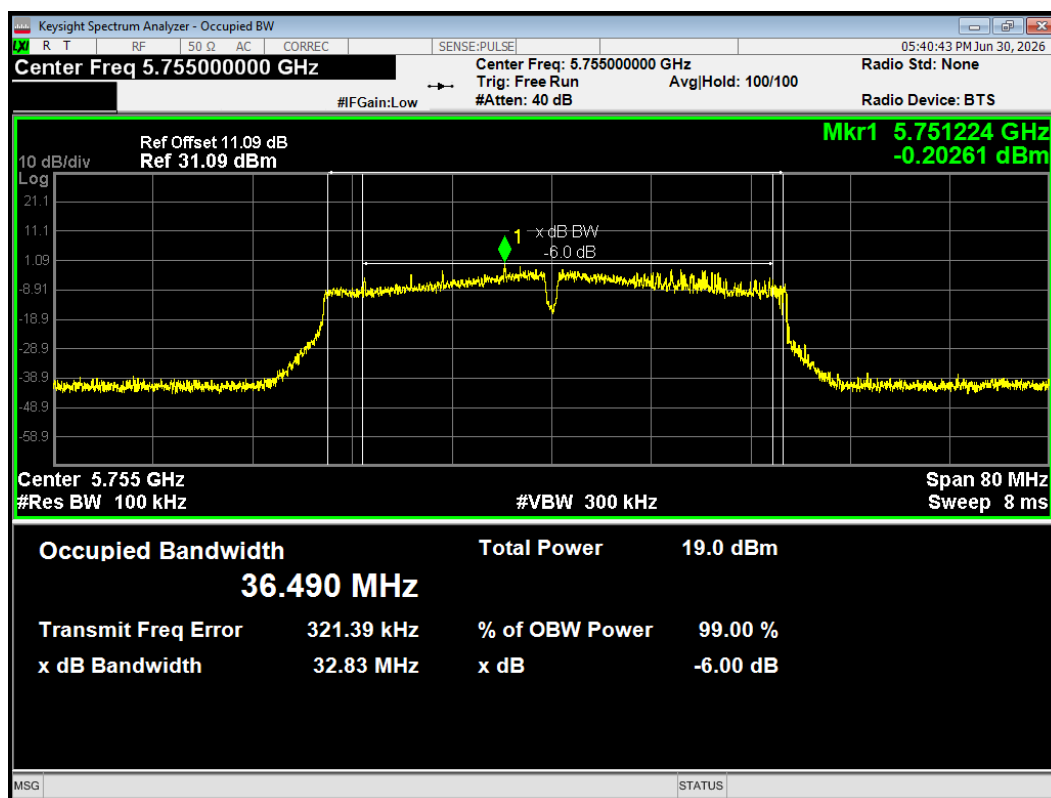
-6dB Bandwidth 802.11n(HT20) 5825MHz



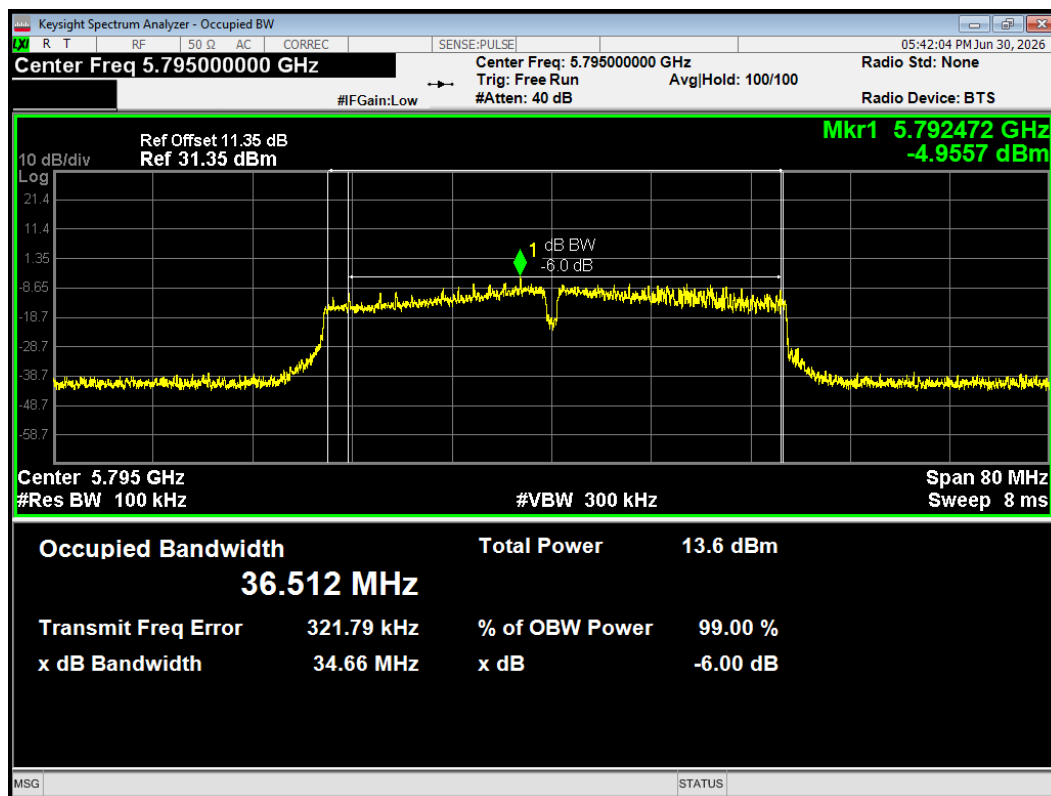
-6dB Bandwidth 802.11n(HT40) 5710MHz



-6dB Bandwidth 802.11n(HT40) 5755MHz



-6dB Bandwidth 802.11n(HT40) 5795MHz



6.2. Average Power Output

U-NII-1

Test Mode	Channel/ Frequency (MHz)	Power Index
802.11a	36/5180	19
	40/5200	19
	48/5240	19
802.11n HT20	36/5180	19
	40/5200	19
	48/5240	19
802.11n HT40	38/5190	19
	46/5230	19
802.11ac VHT20	36/5180	19
	40/5200	19
	48/5240	19
802.11ac VHT40	38/5190	19
	46/5230	19
802.11ac VHT80	42/5210	19
802.11ax HE20	36/5180	19
	40/5200	19
	48/5240	19
802.11ax HE40	38/5190	19
	46/5230	19
802.11ax HE80	42/5210	19

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	Power Index
802.11a	52/5260	19
	60/5300	19
	64/5320	19
802.11n HT20	52/5260	19
	60/5300	19
	64/5320	19
802.11n HT40	54/5270	19
	62/5310	19
802.11ac VHT20	52/5260	19
	60/5300	19
	64/5320	19
802.11ac VHT40	54/5270	19
	62/5310	19
802.11ac VHT80	58/5290	19
802.11ax HE20	52/5260	19
	60/5300	19
	64/5320	19
802.11ax HE40	54/5270	19
	62/5310	19
802.11ax HE80	58/5290	19

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	Power Index
802.11a	100/5500	19
	120/5600	19
	140/5700	19
	144/5720	19
802.11n HT20	100/5500	19
	120/5600	19
	140/5700	19
	144/5720	19
802.11n HT40	102/5510	14
	118/5590	12
	134/5670	14
	142/5710	14
802.11ac VHT20	100/5500	19
	120/5600	19
	140/5700	19
	144/5720	19
802.11ac VHT40	102/5510	14
	118/5590	12
	134/5670	14
	142/5710	14
802.11ac VHT80	106/5530	19
	122/5610	14
	138/5690	19
802.11ax HE20	100/5500	19
	120/5600	19
	140/5700	19
	144/5720	19
802.11ax HE40	102/5510	14
	118/5590	12
	134/5670	14
	142/5710	14
802.11ax HE80	106/5530	19
	122/5610	14
	138/5690	19

U-NII-3

Test Mode	Channel/ Frequency (MHz)	Power Index
802.11a	144/5720	19
	149/5745	10
	157/5785	19
	165/5825	19
802.11n HT20	144/5720	19
	149/5745	10
	157/5785	19
	165/5825	19
802.11n HT40	142/5710	14
	151/5755	14
	159/5795	8
802.11ac VHT20	144/5720	19
	149/5745	10
	157/5785	19
	165/5825	19
802.11ac VHT40	142/5710	14
	151/5755	14
	159/5795	8
802.11ac VHT80	138/5690	19
	155/5775	14
802.11ax HE20	144/5720	19
	149/5745	10
	157/5785	19
	165/5825	19
802.11ax HE40	142/5710	14
	151/5755	14
	159/5795	8
802.11ax HE80	138/5690	19
	155/5775	14

RU Mode
U-NII-1

Test Mode	Channel/ Frequency (MHz)	RU Index	Power Index
802.11ax HE20 26-Tones	36/5180	0	14
	40/5200	4	15
	48/5240	8	14
802.11ax HE20 52-Tones	36/5180	37	17
	40/5200	38	17
	48/5240	40	17
802.11ax HE20 106-Tones	36/5180	53	19
	40/5200	53	19
	48/5240	54	19
802.11ax HE20 242-Tones	36/5180	61	19
	40/5200	61	19
	48/5240	61	19
802.11ax HE40 26-Tones	38/5190	0	14
	46/5230	17	15
802.11ax HE40 484-Tones	38/5190	65	19
	46/5230	65	19
802.11ax HE80 26-Tones	42/5210	0	15
	42/5210	36	15
802.11ax HE80 996-Tones	42/5210	67	19

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	RU Index	Power Index
802.11ax HE20 26-Tones	52/5260	0	14
	60/5300	4	16
	64/5320	8	14
802.11ax HE20 52-Tones	52/5260	37	17
	60/5300	38	17
	64/5320	40	17
802.11ax HE20 106-Tones	52/5260	53	19
	60/5300	53	19
	64/5320	54	19
802.11ax HE20 242-Tones	52/5260	61	19
	60/5300	61	19
	64/5320	61	19
802.11ax HE40 26-Tones	54/5270	0	15
	62/5310	17	15
802.11ax HE40 484-Tones	54/5270	65	19
	62/5310	65	19
802.11ax HE80 26-Tones	58/5290	0	15
	58/5290	36	15
802.11ax HE80 996-Tones	58/5290	67	14

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	RU Index	Power Index
802.11ax HE20 26-Tones	100/5500	0	15
	120/5600	4	16
	140/5700	8	14
802.11ax HE20 52-Tones	100/5500	37	17
	120/5600	38	17
	140/5700	40	17
802.11ax HE20 106-Tones	100/5500	53	19
	120/5600	53	19
	140/5700	54	19
802.11ax HE20 242-Tones	100/5500	61	19
	120/5600	61	19
	140/5700	61	19
802.11ax HE40 26-Tones	102/5510	0	16
	134/5670	17	15
802.11ax HE40 484-Tones	102/5510	65	18
	134/5670	65	19
802.11ax HE80 26-Tones	106/5530	0	15
	122/5610	36	15
802.11ax HE80 996-Tones	106/5530	67	12

U-NII-3

Test Mode	Channel/ Frequency (MHz)	RU Index	Power Index
802.11ax HE20 26-Tones	149/5745	0	19
	157/5785	4	19
	165/5825	8	19
802.11ax HE20 52-Tones	149/5745	37	19
	157/5785	38	19
	165/5825	40	19
802.11ax HE20 106-Tones	149/5745	53	19
	157/5785	53	19
	165/5825	54	19
802.11ax HE20 242-Tones	149/5745	61	19
	157/5785	61	19
	165/5825	61	19
802.11ax HE40 26-Tones	151/5755	0	19
	159/5795	17	19
802.11ax HE40 484-Tones	151/5755	65	19
	159/5795	65	19
802.11ax HE80 26-Tones	155/5775	0	19
	155/5775	36	19
802.11ax HE80 996-Tones	155/5775	67	19

Mode	Duty cycle	Duty cycle correction Factor (dB)
802.11a	0.970	0.13
802.11n HT20	0.969	0.14
802.11n HT40	0.887	0.52
802.11ac VHT20	0.966	0.15
802.11ac VHT40	0.922	0.35
802.11ac VHT80	0.908	0.42
802.11ax HE20	0.970	0.13
802.11ax HE40	0.894	0.49
802.11ax HE80	0.885	0.53
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	20.36	24.09	24
		60/5300	20.41	24.10	24
		64/5320	20.32	24.08	24
	802.11n HT20	52/5260	20.57	24.13	24
		60/5300	20.90	24.20	24
		64/5320	21.16	24.26	24
	802.11n HT40	54/5270	41.05	27.13	24
		62/5310	41.32	27.16	24
	802.11ac VHT20	52/5260	20.77	24.17	24
		60/5300	20.75	24.17	24
		64/5320	20.54	24.13	24
	802.11ac VHT40	54/5270	40.83	27.11	24
		62/5310	40.57	27.08	24
	802.11ac VHT80	58/5290	82.45	30.16	24
	802.11ax HE20	52/5260	20.57	24.13	24
		60/5300	20.46	24.11	24
		64/5320	20.33	24.08	24
	802.11ax HE40	54/5270	40.82	27.11	24
		62/5310	41.05	27.13	24
	802.11ax HE80	58/5290	81.72	30.12	24
U-NII-2C	802.11a	100/5500	20.28	24.07	24
		120/5600	20.39	24.09	24
		140/5700	20.07	24.03	24
		144/5720	20.53	24.12	24
	802.11n HT20	100/5500	20.79	24.18	24
		120/5600	20.85	24.19	24
		140/5700	21.31	24.28	24
		144/5720	20.90	24.20	24
	802.11n HT40	102/5510	41.20	27.15	24
		118/5590	40.97	27.12	24
		134/5670	41.78	27.21	24
		142/5710	41.22	27.15	24
	802.11ac VHT20	100/5500	20.90	24.20	24
		120/5600	20.79	24.18	24
		140/5700	20.76	24.17	24
		144/5720	20.42	24.10	24

	802.11ac VHT40	102/5510	41.28	27.16	24
		118/5590	41.66	27.20	24
		134/5670	41.51	27.18	24
		142/5710	41.28	27.16	24
	802.11ac VHT80	106/5530	83.84	30.23	24
		122/5610	84.37	30.26	24
		138/5690	83.88	30.24	24
	802.11ax HE20	100/5500	20.54	24.13	24
		120/5600	20.52	24.12	24
		140/5700	20.56	24.13	24
		144/5720	20.44	24.10	24
	802.11ax HE40	102/5510	40.85	27.11	24
		118/5590	40.92	27.12	24
		134/5670	40.37	27.06	24
		142/5710	40.86	27.11	24
	802.11ax HE80	106/5530	82.72	30.18	24
		122/5610	82.11	30.14	24
		138/5690	82.27	30.15	24

Note: 250mW=24dBm

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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	17.44	17.57	24	PASS
	40/5200	17.89	18.02	24	PASS
	48/5240	17.07	17.20	24	PASS
802.11n HT20	36/5180	17.45	17.59	24	PASS
	40/5200	17.90	18.04	24	PASS
	48/5240	16.89	17.03	24	PASS
802.11n HT40	38/5190	16.56	17.08	24	PASS
	46/5230	16.10	16.62	24	PASS
802.11ac VHT20	36/5180	17.53	17.68	24	PASS
	40/5200	17.48	17.63	24	PASS
	48/5240	16.91	17.06	24	PASS
802.11ac VHT40	38/5190	16.57	16.92	24	PASS
	46/5230	16.12	16.47	24	PASS
802.11ac VHT80	42/5210	16.26	16.68	24	PASS
802.11ax HE20	36/5180	17.75	17.88	24	PASS
	40/5200	17.28	17.41	24	PASS
	48/5240	16.78	16.91	24	PASS
802.11ax HE40	38/5190	16.80	17.29	24	PASS
	46/5230	16.17	16.66	24	PASS
802.11ax HE80	42/5210	16.29	16.82	24	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	17.07	17.20	24	PASS
	60/5300	16.71	16.84	24	PASS
	64/5320	16.72	16.85	24	PASS
802.11n HT20	52/5260	16.93	17.07	24	PASS
	60/5300	16.65	16.79	24	PASS
	64/5320	16.57	16.71	24	PASS
802.11n HT40	54/5270	16.55	17.07	24	PASS
	62/5310	15.87	16.39	24	PASS
802.11ac VHT20	52/5260	16.97	17.12	24	PASS
	60/5300	16.51	16.66	24	PASS
	64/5320	16.63	16.78	24	PASS
802.11ac VHT40	54/5270	16.52	16.87	24	PASS
	62/5310	15.96	16.31	24	PASS
802.11ac VHT80	58/5290	15.88	16.30	24	PASS
802.11ax HE20	52/5260	16.90	17.03	24	PASS
	60/5300	16.42	16.55	24	PASS
	64/5320	16.41	16.54	24	PASS
802.11ax HE40	54/5270	16.35	16.84	24	PASS
	62/5310	15.75	16.24	24	PASS
802.11ax HE80	58/5290	15.90	16.43	24	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	16.81	16.94	24	PASS
	120/5600	17.44	17.57	24	PASS
	140/5700	18.04	18.17	24	PASS
	144/5720	17.57	17.70	24	PASS
802.11n HT20	100/5500	17.01	17.15	24	PASS
	120/5600	17.35	17.49	24	PASS
	140/5700	17.87	18.01	24	PASS
	144/5720	17.31	17.45	24	PASS
802.11n HT40	102/5510	11.71	12.23	24	PASS
	118/5590	10.29	10.81	24	PASS
	134/5670	12.66	13.18	24	PASS
	142/5710	12.72	13.24	24	PASS
802.11ac VHT20	100/5500	16.37	16.52	24	PASS
	120/5600	17.23	17.38	24	PASS
	140/5700	17.85	18.00	24	PASS
	144/5720	17.38	17.53	24	PASS
802.11ac VHT40	102/5510	11.83	12.18	24	PASS
	118/5590	9.62	9.97	24	PASS
	134/5670	12.02	12.37	24	PASS
	142/5710	12.42	12.77	24	PASS
802.11ac VHT80	106/5530	16.15	16.57	24	PASS
	122/5610	11.08	11.50	24	PASS
	138/5690	16.65	17.07	24	PASS
802.11ax HE20	100/5500	16.38	16.51	24	PASS
	120/5600	17.19	17.32	24	PASS
	140/5700	17.90	18.03	24	PASS
	144/5720	17.05	17.18	24	PASS
802.11ax HE40	102/5510	11.79	12.28	24	PASS
	118/5590	9.67	10.16	24	PASS
	134/5670	11.92	12.41	24	PASS
	142/5710	12.27	12.76	24	PASS
802.11ax HE80	106/5530	16.09	16.62	24	PASS
	122/5610	11.10	11.63	24	PASS
	138/5690	16.60	17.13	24	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	7.98	8.11	30	PASS
	149/5745	9.17	9.30	30	PASS
	157/5785	17.58	17.71	30	PASS
	165/5825	17.60	17.73	30	PASS
802.11n HT20	144/5720	8.35	8.49	30	PASS
	149/5745	9.22	9.36	30	PASS
	157/5785	17.49	17.63	30	PASS
	165/5825	17.38	17.52	30	PASS
802.11n HT40	142/5710	-1.31	-0.79	30	PASS
	151/5755	12.46	12.98	30	PASS
	159/5795	6.85	7.37	30	PASS
802.11ac VHT20	144/5720	8.28	8.43	30	PASS
	149/5745	9.28	9.43	30	PASS
	157/5785	17.35	17.50	30	PASS
	165/5825	17.20	17.35	30	PASS
802.11ac VHT40	142/5710	-1.25	-0.90	30	PASS
	151/5755	12.59	12.94	30	PASS
	159/5795	6.77	7.12	30	PASS
802.11ac VHT80	138/5690	0.20	0.62	30	PASS
	155/5775	12.20	12.62	30	PASS
802.11ax HE20	144/5720	8.47	8.60	30	PASS
	149/5745	9.13	9.26	30	PASS
	157/5785	17.26	17.39	30	PASS
	165/5825	17.18	17.31	30	PASS
802.11ax HE40	142/5710	-0.91	-0.42	30	PASS
	151/5755	12.52	13.01	30	PASS
	159/5795	6.82	7.31	30	PASS
802.11ax HE80	138/5690	1.09	1.62	30	PASS
	155/5775	12.22	12.75	30	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

RU Mode

Mode	Duty cycle	Duty cycle correction Factor (dB)
802.11ax HE20 26-Tones:RU Index 0	0.930	0.32
802.11ax HE20 26-Tones:RU Index 4	0.930	0.32
802.11ax HE20 26-Tones:RU Index 8	0.930	0.32
02.11ax HE20 52-Tones:RU Index 37	0.925	0.34
802.11ax HE20 52-Tones:RU Index 38	0.925	0.34
802.11ax HE20 52-Tones:RU Index 40	0.925	0.34
802.11ax HE20 106-Tones:RU Index 53	0.931	0.31
802.11ax HE20 106-Tones:RU Index 54	0.931	0.31
802.11ax HE20 242-Tones:RU Index 61	0.867	0.62
802.11ax HE40 26-Tones:RU Index 0	0.964	0.16
802.11ax HE40 26-Tones:RU Index 17	0.964	0.16
802.11ax HE40 484-Tones:RU Index 65	0.967	0.15
802.11ax HE80 26-Tones:RU Index 0	0.982	0.00
802.11ax HE80 26-Tones:RU Index 36	0.982	0.00
802.11ax HE80 996-Tones:RU Index 67	0.978	0.10
Note: when Duty cycle $\geq$ 0.98, Duty cycle correction Factor not required.		

U-NII-1

Test Mode	Channel/ Frequency (MHz)	RU Index	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11ax HE20 26-Tones	36/5180	0	12.54	12.86	24	PASS
	40/5200	4	13.47	13.79	24	PASS
	48/5240	8	12.40	12.72	24	PASS
802.11ax HE20 52-Tones	36/5180	37	15.26	15.60	24	PASS
	40/5200	38	15.47	15.81	24	PASS
	48/5240	40	15.31	15.65	24	PASS
802.11ax HE20 106-Tones	36/5180	53	17.12	17.43	24	PASS
	40/5200	53	17.30	17.61	24	PASS
	48/5240	54	16.89	17.20	24	PASS
802.11ax HE20 242-Tones	36/5180	61	16.87	17.49	24	PASS
	40/5200	61	17.02	17.64	24	PASS
	48/5240	61	16.73	17.35	24	PASS
802.11ax HE40 26-Tones	38/5190	0	12.46	12.62	24	PASS
	46/5230	17	12.52	12.68	24	PASS
802.11ax HE40 484-Tones	38/5190	65	16.77	16.92	24	PASS
	46/5230	65	16.62	16.77	24	PASS
802.11ax HE80 26-Tones	42/5210	0	13.23	13.23	24	PASS
	42/5210	36	13.09	13.09	24	PASS
802.11ax HE80 996-Tones	42/5210	67	16.95	17.05	24	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

U-NII-2A

Test Mode	Channel/ Frequency (MHz)	RU Index	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclus ion
802.11ax HE20 26-Tones	52/5260	0	12.64	12.96	24	PASS
	60/5300	4	14.08	14.40	24	PASS
	64/5320	8	12.35	12.67	24	PASS
802.11ax HE20 52-Tones	52/5260	37	15.31	15.65	24	PASS
	60/5300	38	15.15	15.49	24	PASS
	64/5320	40	15.41	15.75	24	PASS
802.11ax HE20 106-Tones	52/5260	53	17.17	17.48	24	PASS
	60/5300	53	17.04	17.35	24	PASS
	64/5320	54	17.08	17.39	24	PASS
802.11ax HE20 242-Tones	52/5260	61	16.85	17.47	24	PASS
	60/5300	61	16.64	17.26	24	PASS
	64/5320	61	16.57	17.19	24	PASS
802.11ax HE40 26-Tones	54/5270	0	13.11	13.27	24	PASS
	62/5310	17	13.10	13.26	24	PASS
802.11ax HE40 484-Tones	54/5270	65	16.98	17.13	24	PASS
	62/5310	65	16.62	16.77	24	PASS
802.11ax HE80 26-Tones	58/5290	0	13.34	13.34	24	PASS
	58/5290	36	13.38	13.38	24	PASS
802.11ax HE80 996-Tones	58/5290	67	12.14	12.24	24	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

U-NII-2C

Test Mode	Channel/ Frequency (MHz)	RU Index	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclus ion
802.11ax HE20 26-Tones	100/5500	0	12.87	13.19	24	PASS
	120/5600	4	13.71	14.03	24	PASS
	140/5700	8	12.84	13.16	24	PASS
802.11ax HE20 52-Tones	100/5500	37	14.87	15.21	24	PASS
	120/5600	38	14.69	15.03	24	PASS
	140/5700	40	15.65	15.99	24	PASS
802.11ax HE20 106-Tones	100/5500	53	16.55	16.86	24	PASS
	120/5600	53	16.28	16.59	24	PASS
	140/5700	54	17.36	17.67	24	PASS
802.11ax HE20 242-Tones	100/5500	61	16.39	17.01	24	PASS
	120/5600	61	16.10	16.72	24	PASS
	140/5700	61	17.22	17.84	24	PASS
802.11ax HE40 26-Tones	102/5510	0	13.27	13.43	24	PASS
	134/5670	17	12.97	13.13	24	PASS
802.11ax HE40 484-Tones	102/5510	65	16.59	16.74	24	PASS
	134/5670	65	16.70	16.85	24	PASS
802.11ax HE80 26-Tones	106/5530	0	12.64	12.64	24	PASS
	122/5610	36	13.09	13.09	24	PASS
802.11ax HE80 996-Tones	106/5530	67	10.48	10.58	24	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

U-NII-3

Test Mode	Channel/ Frequency (MHz)	RU Index	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11ax HE20 26-Tones	149/5745	0	17.19	17.51	30	PASS
	157/5785	4	17.45	17.77	30	PASS
	165/5825	8	17.08	17.40	30	PASS
802.11ax HE20 52-Tones	149/5745	37	16.98	17.32	30	PASS
	157/5785	38	17.22	17.56	30	PASS
	165/5825	40	17.24	17.58	30	PASS
802.11ax HE20 106-Tones	149/5745	53	17.30	17.61	30	PASS
	157/5785	53	17.50	17.81	30	PASS
	165/5825	54	17.13	17.44	30	PASS
802.11ax HE20 242-Tones	149/5745	61	17.15	17.77	30	PASS
	157/5785	61	17.33	17.95	30	PASS
	165/5825	61	17.03	17.65	30	PASS
802.11ax HE40 26-Tones	151/5755	0	17.25	17.41	30	PASS
	159/5795	17	17.10	17.26	30	PASS
802.11ax HE40 484-Tones	151/5755	65	17.30	17.45	30	PASS
	159/5795	65	17.30	17.45	30	PASS
802.11ax HE80 26-Tones	155/5775	0	17.67	17.67	30	PASS
	155/5775	36	17.67	17.67	30	PASS
802.11ax HE80 996-Tones	155/5775	67	17.61	17.71	30	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor						

6.3. Frequency Stability

Voltage (V)	Temperature (°C)	U-NII-1 Test Results			
		5200MHz			
		1min	2min	5min	10min
5	-30	5199.990130	5199.984233	5199.974470	5199.968104
5	-20	5199.980647	5199.976318	5199.973181	5199.960296
5	-10	5199.970885	5199.971585	5199.965637	5199.953252
5	0	5199.977835	5199.970821	5199.965282	5199.959509
5	10	5199.976657	5199.966708	5199.963296	5199.955573
5	20	5199.970074	5199.963688	5199.960472	5199.953253
5	30	5199.962602	5199.958928	5199.958518	5199.951244
5	40	5199.958433	5199.958806	5199.949290	5199.943828
5	50	5199.955416	5199.951545	5199.943496	5199.938476
4.5	20	5199.946756	5199.946719	5199.936146	5199.936564
5.5	20	5199.939593	5199.940824	5199.926788	5199.936054
Max. ΔMHz		-0.060407	-0.059176	-0.073212	-0.063946
PPM		-11.616731	-11.380000	-14.079231	-12.297308

Voltage (V)	Temperature (°C)	U-NII-2A Test Results			
		5300MHz			
		1min	2min	5min	10min
5	-30	5299.999849	5299.997694	5299.988258	5299.985894
5	-20	5299.997542	5299.988401	5299.987274	5299.977969
5	-10	5299.989171	5299.983494	5299.984629	5299.969317
5	0	5299.987863	5299.986027	5299.985828	5299.969538
5	10	5299.984522	5299.980218	5299.981651	5299.965092
5	20	5299.976133	5299.972915	5299.978827	5299.962868
5	30	5299.971428	5299.968661	5299.969230	5299.958681
5	40	5299.965903	5299.961007	5299.960031	5299.951231
5	50	5299.965481	5299.959631	5299.952195	5299.942925
4.5	20	5299.960974	5299.951208	5299.943786	5299.937969
5.5	20	5299.959859	5299.949422	5299.939651	5299.930237
Max. ΔMHz		-0.040141	-0.050578	-0.060349	-0.069763
PPM		-7.573774	-9.543019	-11.386604	-13.162830

Voltage (V)	Temperature (°C)	U-NII-2C Test Results			
		5580MHz			
		1min	2min	5min	10min
5	-30	5580.000813	5579.995755	5579.988463	5579.979497
5	-20	5580.000753	5579.991901	5579.979962	5579.976522
5	-10	5579.991127	5579.981997	5579.974795	5579.966590
5	0	5580.000028	5579.989146	5579.975630	5579.976475
5	10	5579.998236	5579.987129	5579.975302	5579.975797
5	20	5579.989427	5579.978276	5579.974095	5579.971942
5	30	5579.987818	5579.974558	5579.973707	5579.967871
5	40	5579.979856	5579.967824	5579.967260	5579.965964
5	50	5579.975575	5579.965819	5579.962220	5579.959365
4.5	20	5579.973360	5579.964256	5579.960367	5579.958805
5.5	20	5579.964168	5579.956217	5579.951483	5579.953695
Max. ΔMHz		-0.035832	-0.043783	-0.048517	-0.046305
PPM		-6.421505	-7.846416	-8.694803	-8.298387

Voltage (V)	Temperature (°C)	U-NII-3 Test Results			
		5785MHz			
		1min	2min	5min	10min
5	-30	5784.997670	5784.991408	5784.990776	5784.987878
5	-20	5784.996764	5784.983301	5784.983832	5784.981944
5	-10	5784.989494	5784.978573	5784.983004	5784.980591
5	0	5784.992795	5784.979790	5784.982414	5784.978171
5	10	5784.986082	5784.975340	5784.976555	5784.977396
5	20	5784.982932	5784.966581	5784.972121	5784.971973
5	30	5784.981872	5784.957467	5784.966634	5784.962280
5	40	5784.975865	5784.947483	5784.963702	5784.952924
5	50	5784.968443	5784.937526	5784.957292	5784.951364
4.5	20	5784.964892	5784.928912	5784.952281	5784.949254
5.5	20	5784.957762	5784.926633	5784.948111	5784.943297
Max. ΔMHz		-0.042238	-0.073367	-0.051889	-0.056703
PPM		-7.301296	-12.682282	-8.969576	-9.801729

6.4. Power Spectral Density

U-NII-1

Mode	Channel/ Frequency (MHz)	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	36/5180	8.48	8.61	11	PASS
	40/5200	9.39	9.52	11	PASS
	48/5240	8.45	8.58	11	PASS
802.11n HT20	36/5180	8.30	8.44	11	PASS
	40/5200	9.02	9.16	11	PASS
	48/5240	8.05	8.19	11	PASS
802.11n HT40	38/5190	4.96	5.48	11	PASS
	46/5230	4.58	5.10	11	PASS
802.11ac VHT20	36/5180	8.87	9.02	11	PASS
	40/5200	8.62	8.77	11	PASS
	48/5240	8.06	8.21	11	PASS
802.11ac VHT40	38/5190	5.19	5.54	11	PASS
	46/5230	4.66	5.01	11	PASS
802.11ac VHT80	42/5210	1.76	2.18	11	PASS
802.11ax HE20	36/5180	8.21	8.34	11	PASS
	40/5200	8.17	8.30	11	PASS
	48/5240	7.88	8.01	11	PASS
802.11ax HE40	38/5190	4.98	5.47	11	PASS
	46/5230	4.64	5.13	11	PASS
802.11ax HE80	42/5210	1.95	2.48	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	8.16	8.29	11	PASS
	60/5300	8.09	8.22	11	PASS
	64/5320	7.95	8.08	11	PASS
802.11n HT20	52/5260	8.23	8.37	11	PASS
	60/5300	8.21	8.35	11	PASS
	64/5320	7.54	7.68	11	PASS
802.11n HT40	54/5270	5.12	5.64	11	PASS
	62/5310	4.09	4.61	11	PASS
802.11ac VHT20	52/5260	8.19	8.34	11	PASS
	60/5300	7.68	7.83	11	PASS
	64/5320	7.80	7.95	11	PASS
802.11ac VHT40	54/5270	4.89	5.24	11	PASS
	62/5310	4.24	4.59	11	PASS
802.11ac VHT80	58/5290	1.22	1.64	11	PASS
802.11ax HE20	52/5260	7.99	8.12	11	PASS
	60/5300	7.55	7.68	11	PASS
	64/5320	7.42	7.55	11	PASS
802.11ax HE40	54/5270	5.04	5.53	11	PASS
	62/5310	4.31	4.80	11	PASS
802.11ax HE80	58/5290	1.43	1.96	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor					

U-NII-2C

Mode	Channel /Frequency (MHz)	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11a	100/5500	8.22	8.35	11	PASS
	120/5600	8.84	8.97	11	PASS
	140/5700	9.56	9.69	11	PASS
	144/5720	9.52	9.65	11	PASS
802.11n HT20	100/5500	8.41	8.55	11	PASS
	120/5600	8.44	8.58	11	PASS
	140/5700	9.21	9.35	11	PASS
	144/5720	9.10	9.24	11	PASS
802.11n HT40	102/5510	0.10	0.62	11	PASS
	118/5590	-1.06	-0.54	11	PASS
	134/5670	0.88	1.40	11	PASS
	142/5710	1.32	1.84	11	PASS
802.11ac VHT20	100/5500	7.68	7.83	11	PASS
	120/5600	8.49	8.64	11	PASS
	140/5700	9.14	9.29	11	PASS
	144/5720	9.18	9.33	11	PASS
802.11ac VHT40	102/5510	0.04	0.39	11	PASS
	118/5590	-2.21	-1.86	11	PASS
	134/5670	0.51	0.86	11	PASS
	142/5710	0.76	1.11	11	PASS
802.11ac VHT80	106/5530	1.55	1.97	11	PASS
	122/5610	-3.90	-3.48	11	PASS
	138/5690	2.19	2.61	11	PASS
802.11ax HE20	100/5500	7.36	7.49	11	PASS
	120/5600	8.04	8.17	11	PASS
	140/5700	9.00	9.13	11	PASS
	144/5720	8.57	8.70	11	PASS
802.11ax HE40	102/5510	0.26	0.75	11	PASS
	118/5590	-1.56	-1.07	11	PASS
	134/5670	0.59	1.08	11	PASS
	142/5710	1.13	1.62	11	PASS
802.11ax HE80	106/5530	1.71	2.24	11	PASS
	122/5610	-3.52	-2.99	11	PASS
	138/5690	1.73	2.26	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor					

U-NII-3

Mode	Channel /Frequency (MHz)	Read Value (dBm/510kHz)	Power Spectral Density (dBm/510kHz)	Limit (dBm/500kHz)	Conclusion
802.11a	144/5720	1.56	1.69	30	PASS
	149/5745	-1.93	-1.80	30	PASS
	157/5785	6.49	6.62	30	PASS
	165/5825	6.21	6.34	30	PASS
802.11n HT20	144/5720	1.89	2.03	30	PASS
	149/5745	-2.37	-2.23	30	PASS
	157/5785	5.76	5.90	30	PASS
	165/5825	5.72	5.86	30	PASS
802.11n HT40	142/5710	-8.20	-7.68	30	PASS
	151/5755	-2.19	-1.67	30	PASS
	159/5795	-7.65	-7.13	30	PASS
802.11ac VHT20	144/5720	1.21	1.36	30	PASS
	149/5745	-2.35	-2.20	30	PASS
	157/5785	5.78	5.93	30	PASS
	165/5825	5.48	5.63	30	PASS
802.11ac VHT40	142/5710	-8.28	-7.93	30	PASS
	151/5755	-1.97	-1.62	30	PASS
	159/5795	-7.50	-7.15	30	PASS
802.11ac VHT80	138/5690	-6.95	-6.53	30	PASS
	155/5775	-4.71	-4.29	30	PASS
802.11ax HE20	144/5720	0.94	1.07	30	PASS
	149/5745	-2.53	-2.40	30	PASS
	157/5785	5.48	5.61	30	PASS
	165/5825	5.91	6.04	30	PASS
802.11ax HE40	142/5710	-8.46	-7.97	30	PASS
	151/5755	-2.33	-1.84	30	PASS
	159/5795	-7.86	-7.37	30	PASS
802.11ax HE80	138/5690	-6.64	-6.11	30	PASS
	155/5775	-4.92	-4.39	30	PASS
Note: PSD=Read Value+Duty cycle correction factor					

RU Mode
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-Tones	36/5180	0	9.93	10.25	11	PASS
	40/5200	4	9.90	10.22	11	PASS
	48/5240	8	10.01	10.33	11	PASS
802.11ax HE20 52-Tones	36/5180	37	10.19	10.53	11	PASS
	40/5200	38	10.17	10.51	11	PASS
	48/5240	40	10.31	10.65	11	PASS
802.11ax HE20 106-Tones	36/5180	53	9.35	9.66	11	PASS
	40/5200	53	9.71	10.02	11	PASS
	48/5240	54	9.07	9.38	11	PASS
802.11ax HE20 242-Tones	36/5180	61	5.58	6.20	11	PASS
	40/5200	61	5.61	6.23	11	PASS
	48/5240	61	5.58	6.20	11	PASS
802.11ax HE40 26-Tones	38/5190	0	10.03	10.19	11	PASS
	46/5230	17	10.14	10.30	11	PASS
802.11ax HE40 484-Tones	38/5190	65	2.57	2.72	11	PASS
	46/5230	65	2.23	2.38	11	PASS
802.11ax HE80 26-Tones	42/5210	0	10.41	10.41	11	PASS
	42/5210	36	10.58	10.58	11	PASS
802.11ax HE80 996-Tones	42/5210	67	-0.36	-0.26	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-Tones	52/5260	0	10.33	10.65	11	PASS
	60/5300	4	10.32	10.64	11	PASS
	64/5320	8	9.71	10.03	11	PASS
802.11ax HE20 52-Tones	52/5260	37	10.49	10.83	11	PASS
	60/5300	38	9.96	10.30	11	PASS
	64/5320	40	9.99	10.33	11	PASS
802.11ax HE20 106-Tones	52/5260	53	9.20	9.51	11	PASS
	60/5300	53	9.14	9.45	11	PASS
	64/5320	54	9.10	9.41	11	PASS
802.11ax HE20 242-Tones	52/5260	61	6.00	6.62	11	PASS
	60/5300	61	5.42	6.04	11	PASS
	64/5320	61	5.39	6.01	11	PASS
802.11ax HE40 26-Tones	54/5270	0	10.73	10.89	11	PASS
	62/5310	17	10.12	10.28	11	PASS
802.11ax HE40 484-Tones	54/5270	65	2.51	2.66	11	PASS
	62/5310	65	2.43	2.58	11	PASS
802.11ax HE80 26-Tones	58/5290	0	10.48	10.48	11	PASS
	58/5290	36	10.70	10.70	11	PASS
802.11ax HE80 996-Tones	58/5290	67	-5.11	-5.01	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor						

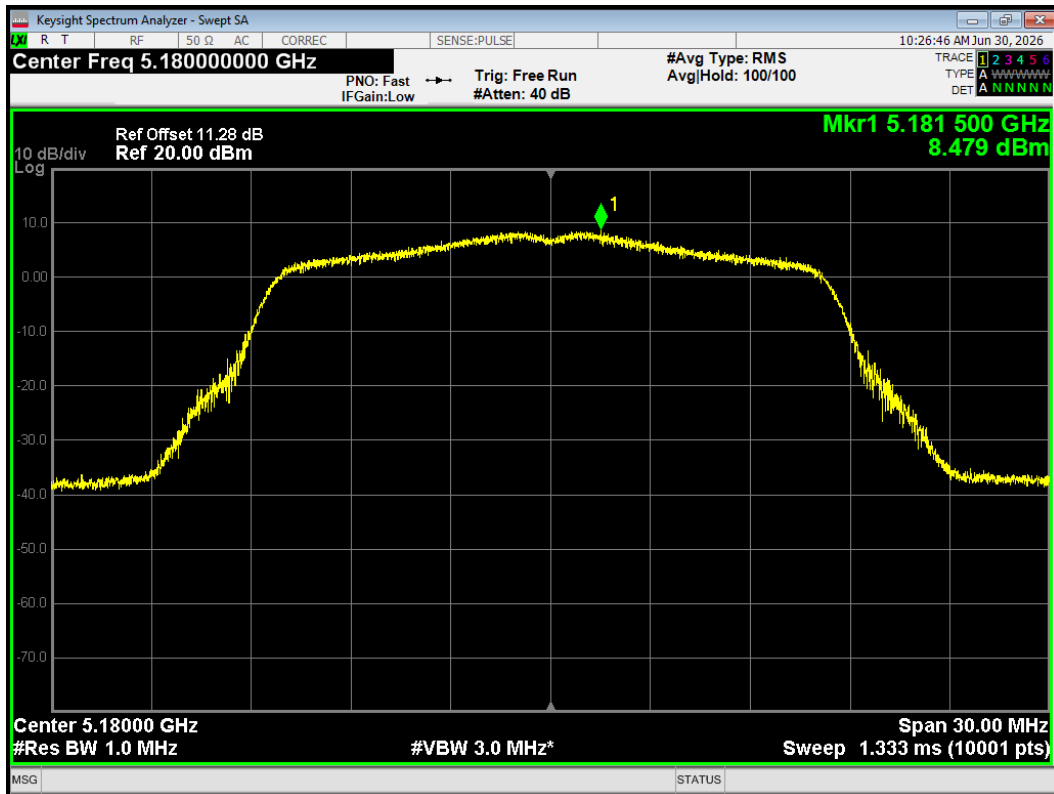
U-NII-2C

Mode	Channel /Frequency (MHz)	RU Index	Read Value (dBm /MHz)	Power Spectral Density (dBm /MHz)	Limit (dBm /MHz)	Conclusion
802.11ax HE20 26-Tones	100/5500	0	10.28	10.60	11	PASS
	120/5600	4	10.32	10.64	11	PASS
	140/5700	8	10.32	10.64	11	PASS
802.11ax HE20 52-Tones	100/5500	37	9.85	10.19	11	PASS
	120/5600	38	9.78	10.12	11	PASS
	140/5700	40	10.35	10.69	11	PASS
802.11ax HE20 106-Tones	100/5500	53	8.73	9.04	11	PASS
	120/5600	53	8.40	8.71	11	PASS
	140/5700	54	9.29	9.60	11	PASS
802.11ax HE20 242-Tones	100/5500	61	5.20	5.82	11	PASS
	120/5600	61	4.89	5.51	11	PASS
	140/5700	61	5.96	6.58	11	PASS
802.11ax HE40 26-Tones	102/5510	0	10.51	10.67	11	PASS
	134/5670	17	10.41	10.57	11	PASS
802.11ax HE40 484-Tones	102/5510	65	2.38	2.53	11	PASS
	134/5670	65	2.61	2.76	11	PASS
802.11ax HE80 26-Tones	106/5530	0	9.72	9.72	11	PASS
	122/5610	36	10.14	10.14	11	PASS
802.11ax HE80 996-Tones	106/5530	67	-6.79	-6.69	11	PASS
Note: Power Spectral Density =Read Value+Duty cycle correction factor						

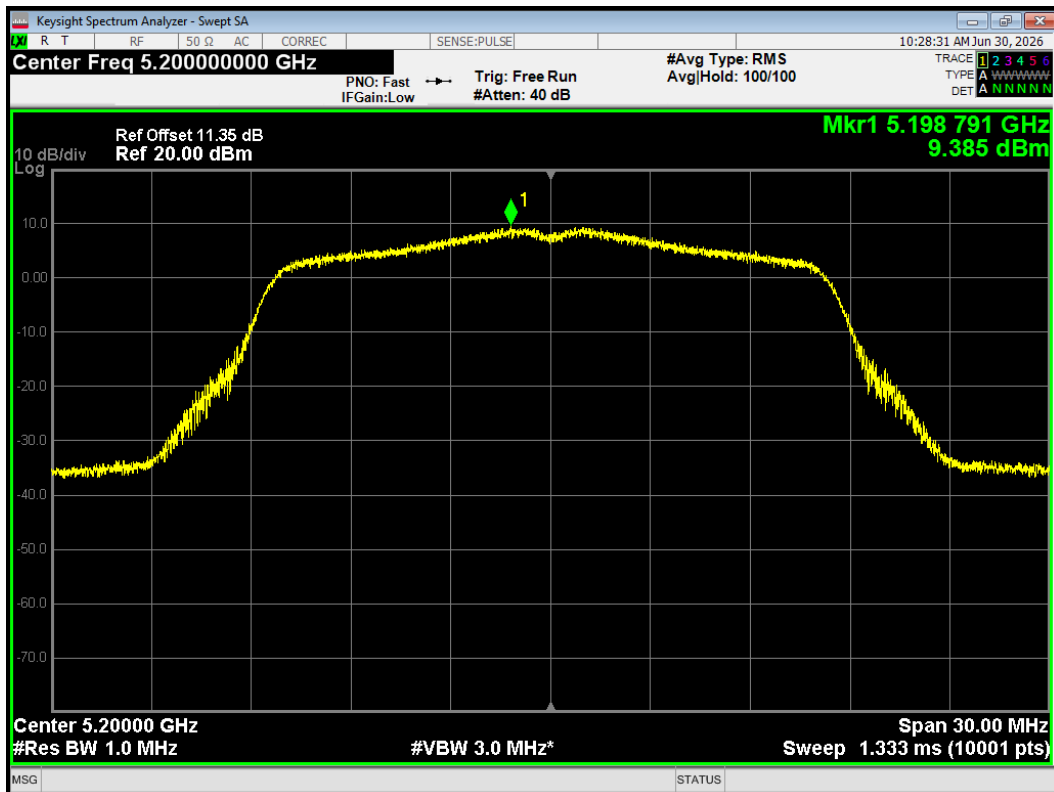
U-NII-3

Mode	Channel /Frequency (MHz)	RU Index	Read Value (dBm/510k Hz)	Power Spectral Density (dBm/510k Hz)	Limit (dBm/500k Hz)	Conclusion
802.11ax HE20 26-Tones	149/5745	0	12.18	12.50	30	PASS
	157/5785	4	12.19	12.51	30	PASS
	165/5825	8	11.77	12.09	30	PASS
802.11ax HE20 52-Tones	149/5745	37	9.42	9.76	30	PASS
	157/5785	38	9.52	9.86	30	PASS
	165/5825	40	9.48	9.82	30	PASS
802.11ax HE20 106-Tones	149/5745	53	6.46	6.77	30	PASS
	157/5785	53	6.77	7.08	30	PASS
	165/5825	54	6.29	6.60	30	PASS
802.11ax HE20 242-Tones	149/5745	61	3.06	3.68	30	PASS
	157/5785	61	3.29	3.91	30	PASS
	165/5825	61	2.95	3.57	30	PASS
802.11ax HE40 26-Tones	151/5755	0	12.01	12.17	30	PASS
	159/5795	17	11.62	11.78	30	PASS
802.11ax HE40 484-Tones	151/5755	65	0.16	0.31	30	PASS
	159/5795	65	0.43	0.58	30	PASS
802.11ax HE80 26-Tones	155/5775	0	12.44	12.44	30	PASS
	155/5775	36	11.92	11.92	30	PASS
802.11ax HE80 996-Tones	155/5775	67	-2.64	-2.54	30	PASS
Note: PSD=Read Value+Duty cycle correction factor						

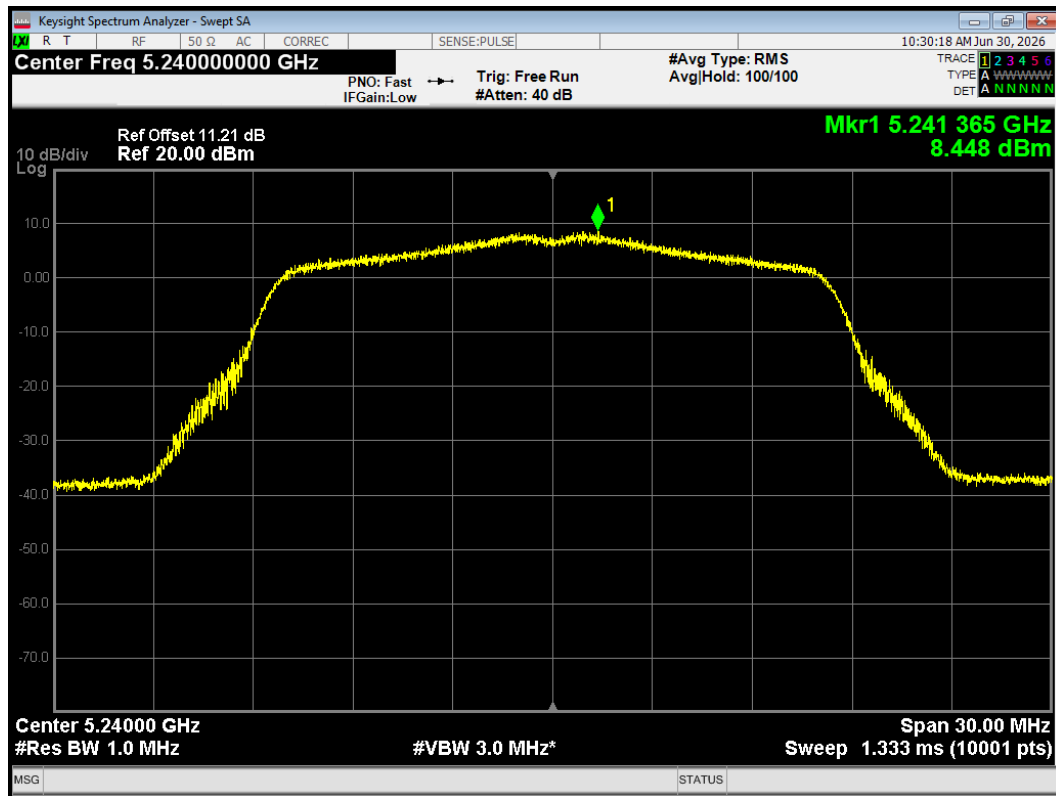
PSD 802.11a 5180MHz



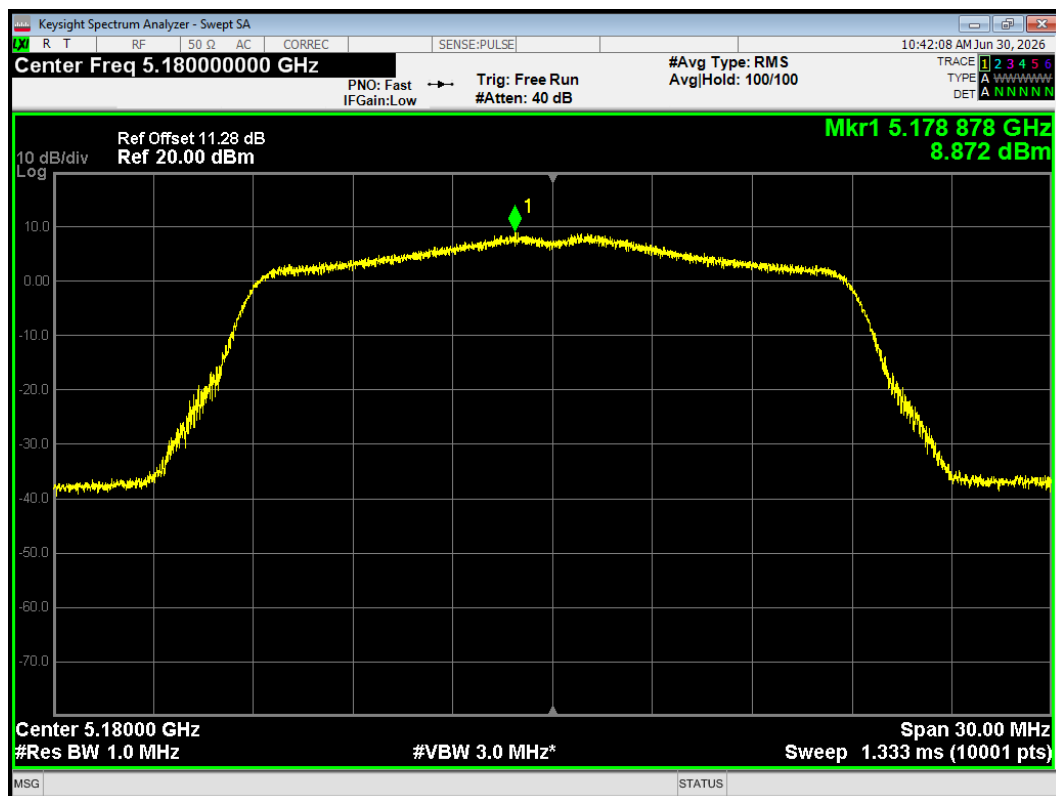
PSD 802.11a 5200MHz



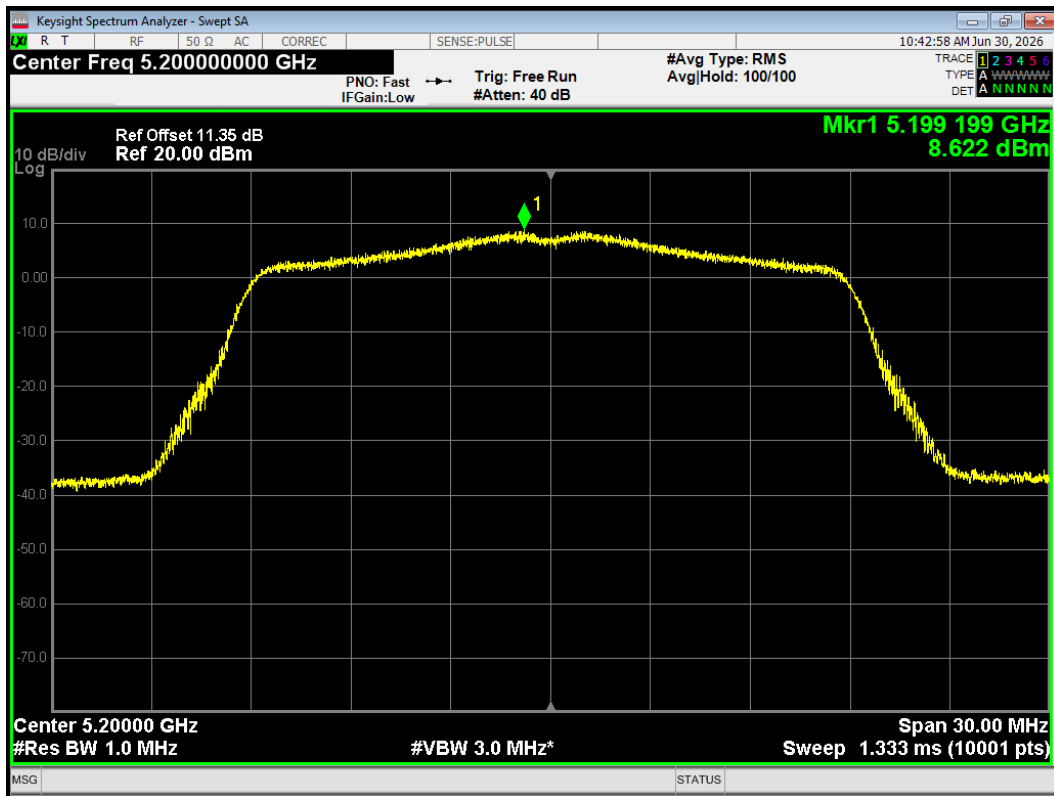
PSD 802.11a 5240MHz



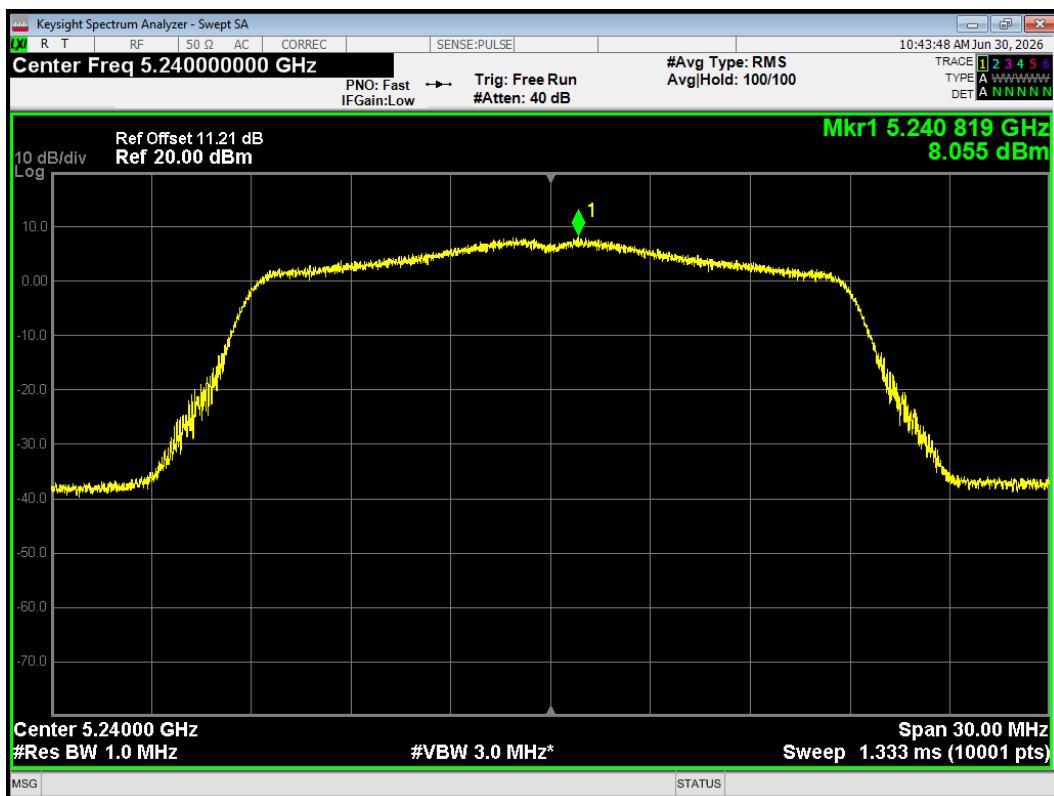
PSD 802.11ac(VHT20) 5180MHz



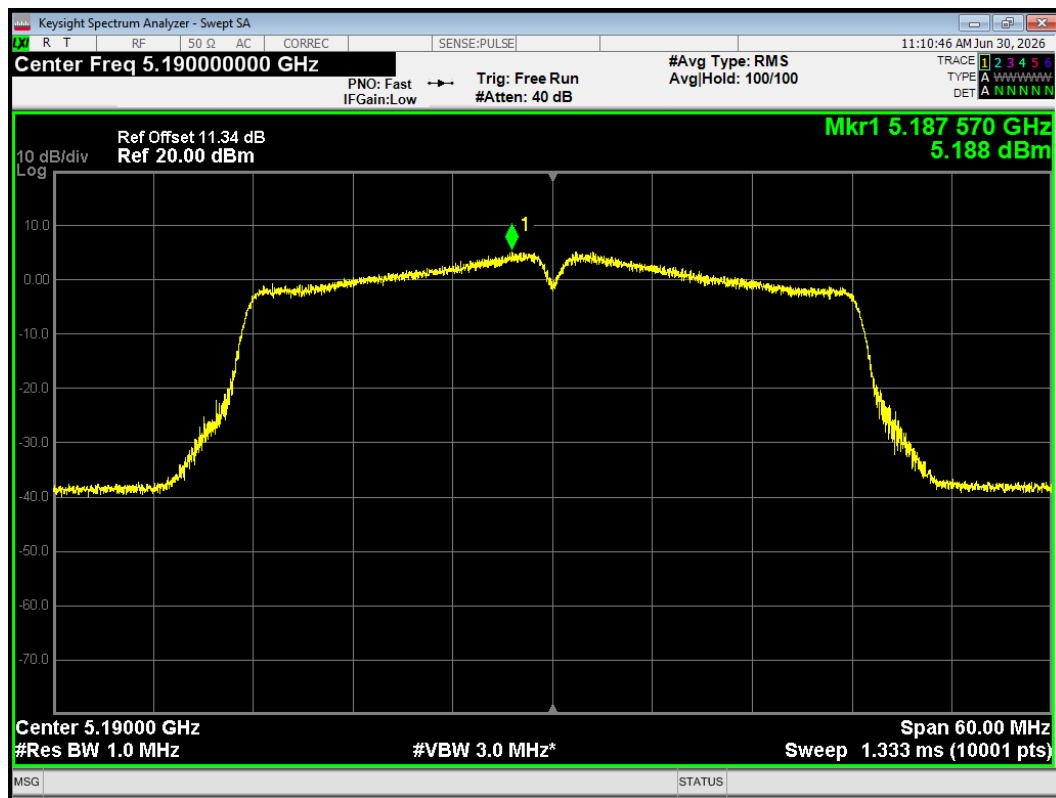
PSD 802.11ac(VHT20) 5200MHz



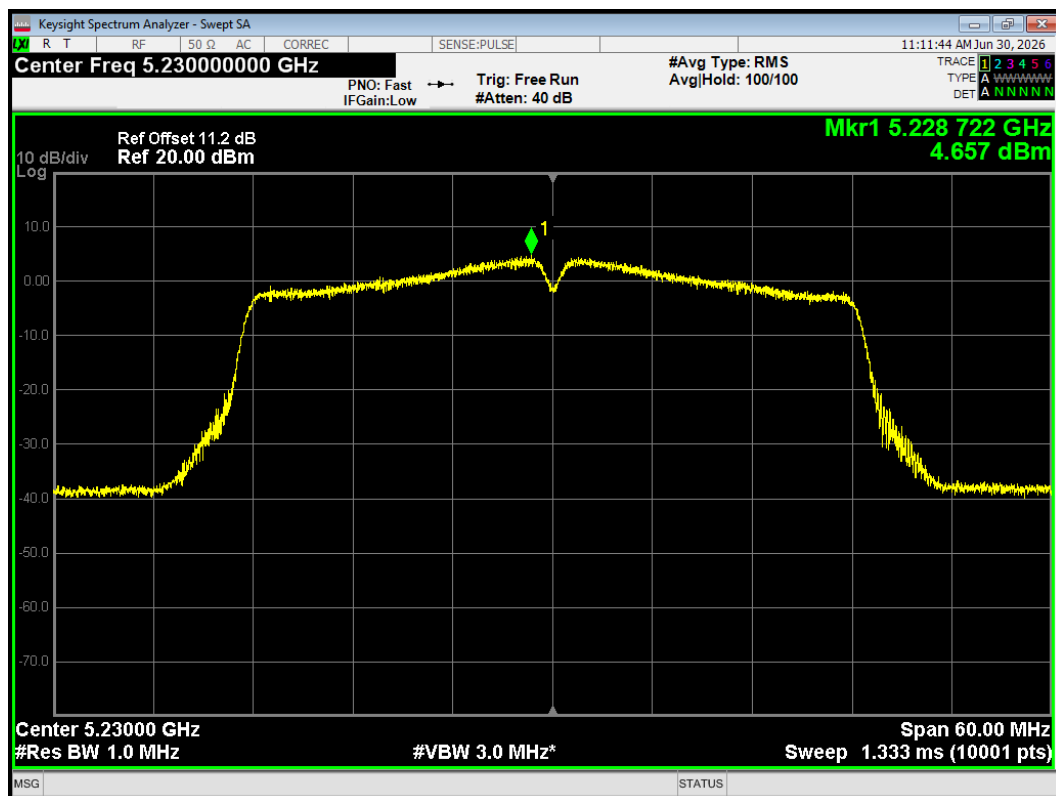
PSD 802.11ac(VHT20) 5240MHz



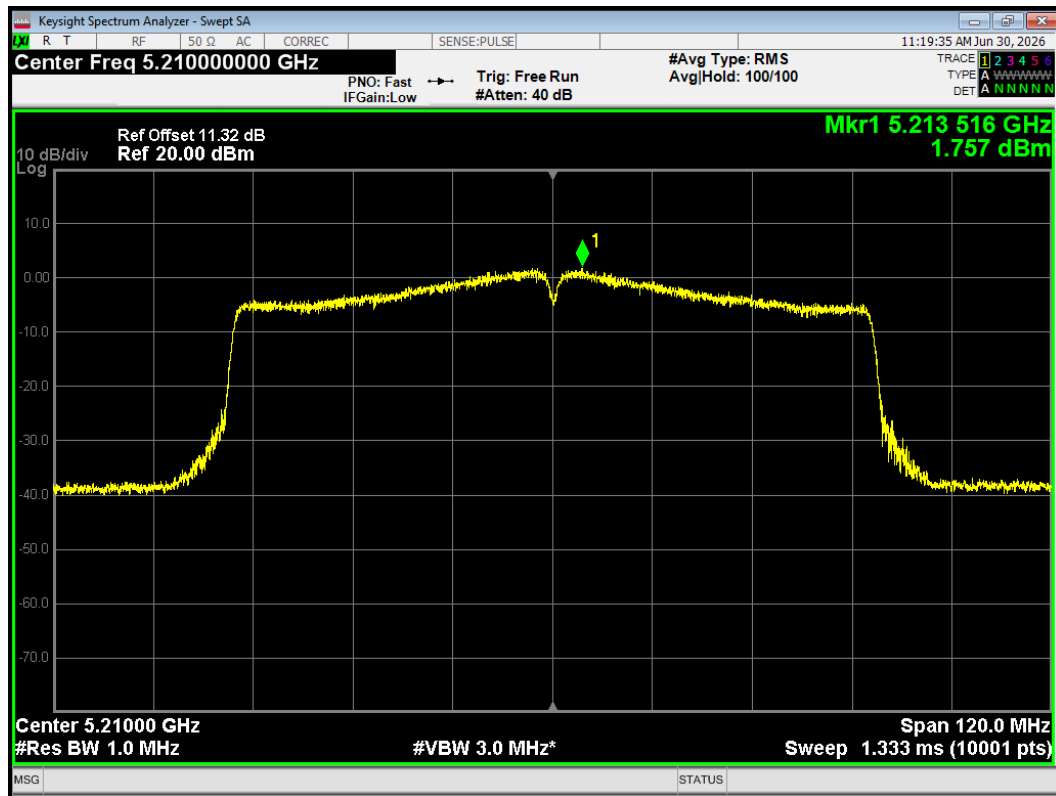
PSD 802.11ac(VHT40) 5190MHz



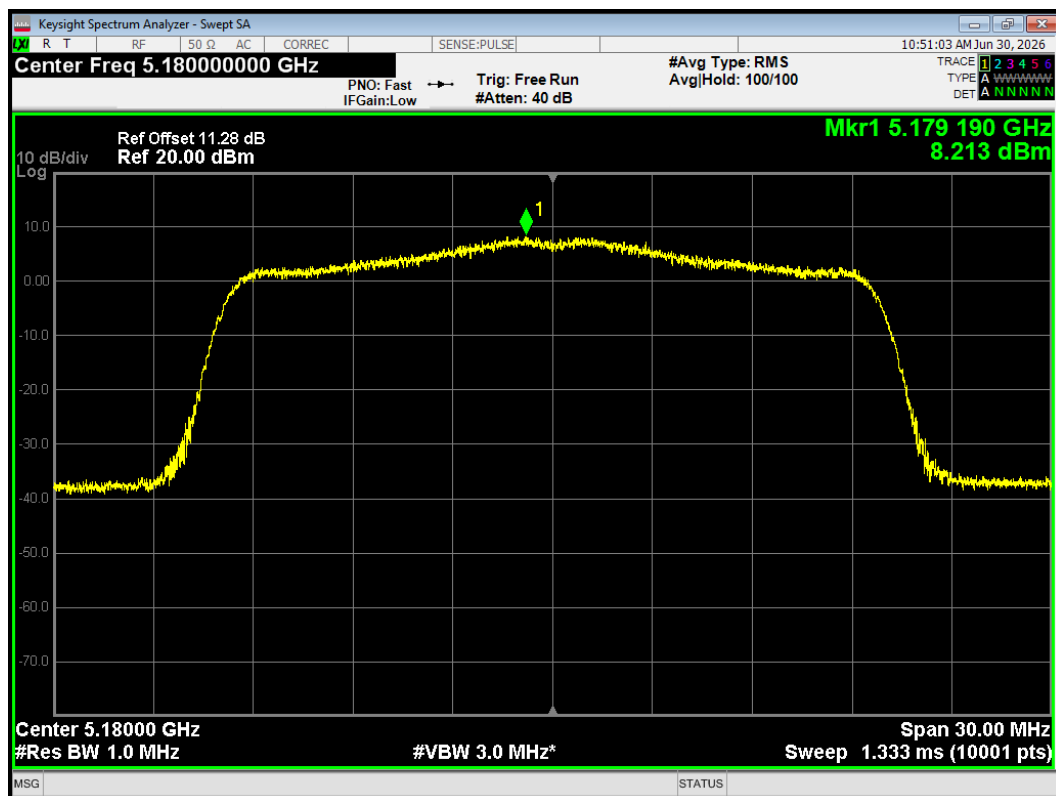
PSD 802.11ac(VHT40) 5230MHz



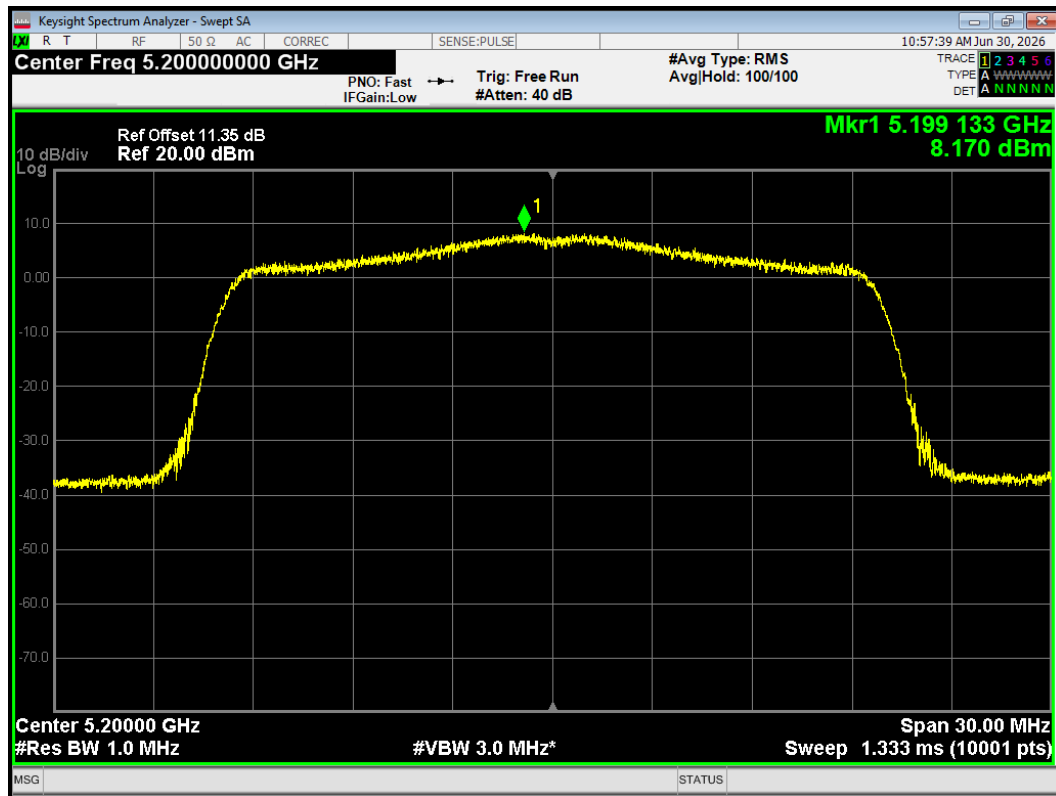
PSD 802.11ac(VHT80) 5210MHz



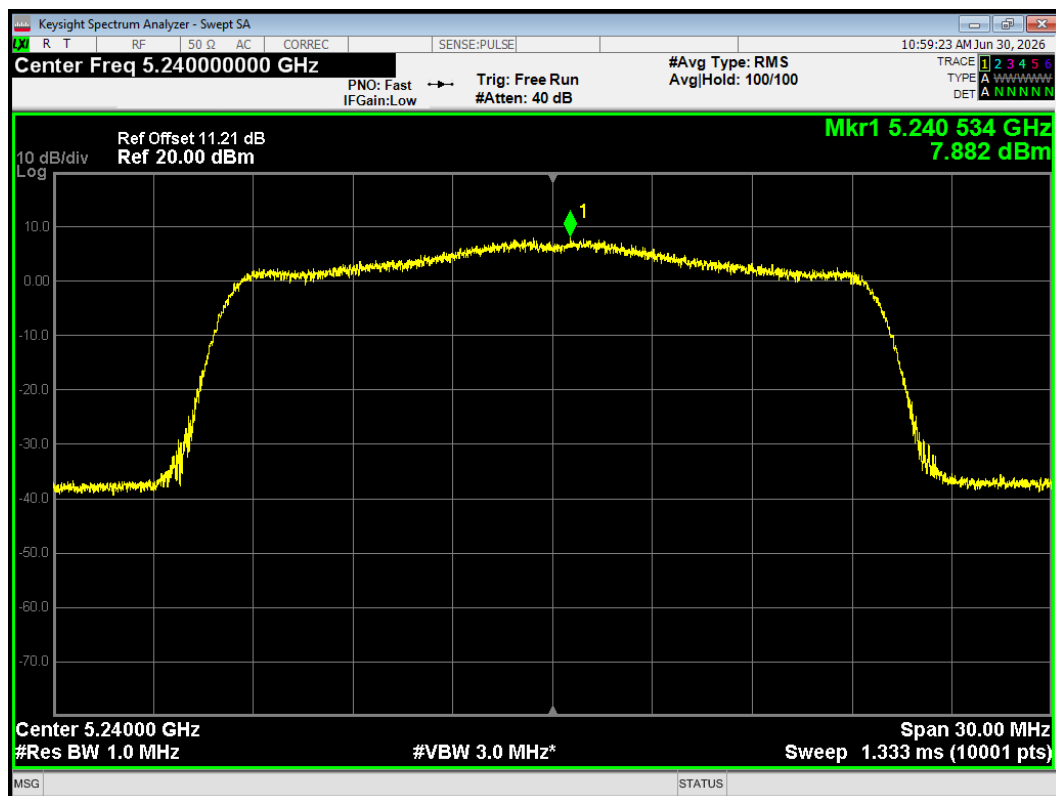
PSD 802.11ax(HE20) 5180MHz



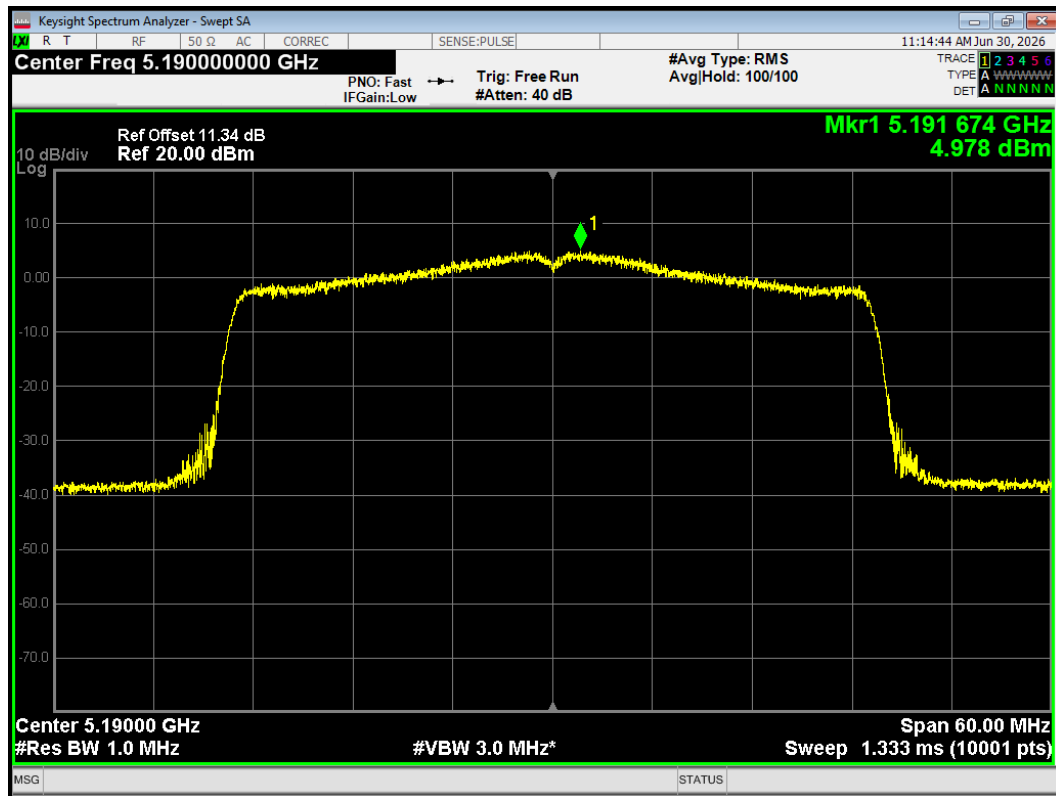
PSD 802.11ax(HE20) 5200MHz



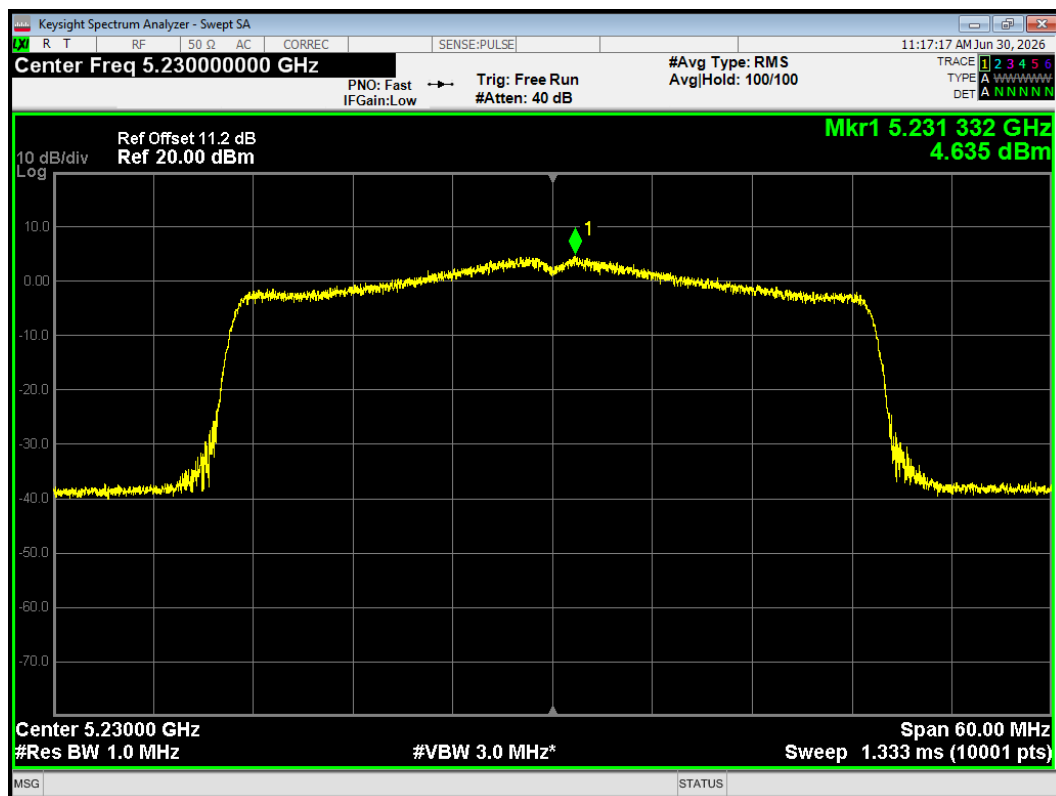
PSD 802.11ax(HE20) 5240MHz



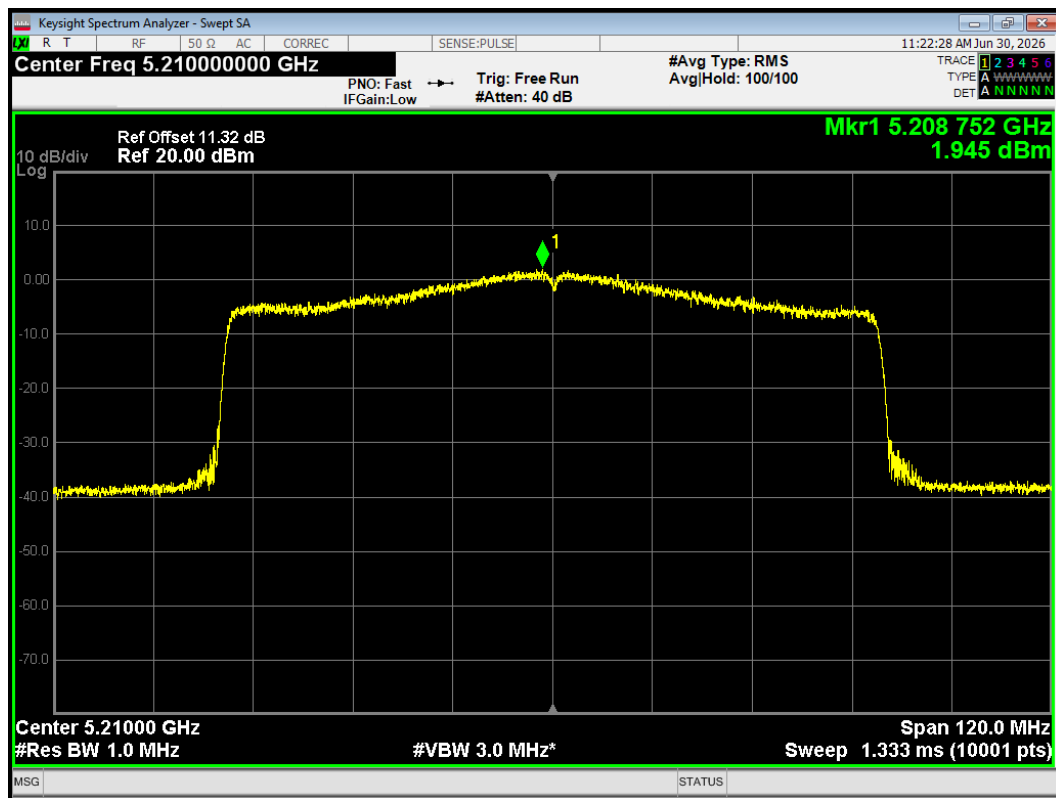
PSD 802.11ax(HE40) 5190MHz



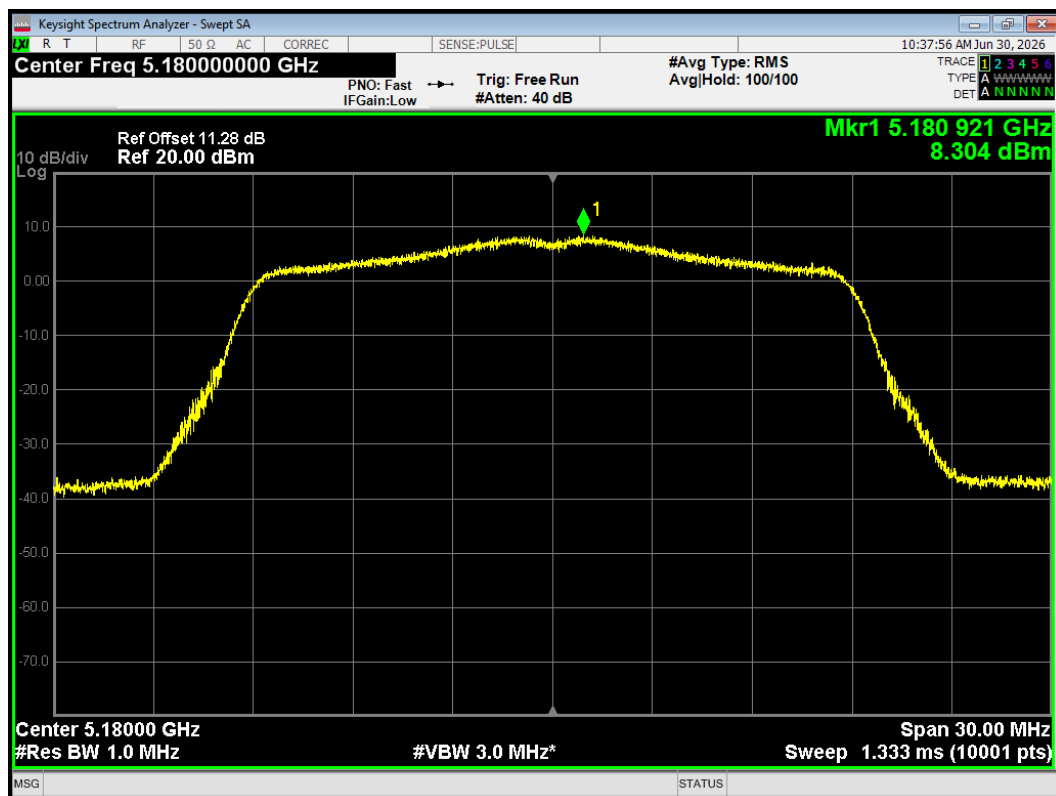
PSD 802.11ax(HE40) 5230MHz



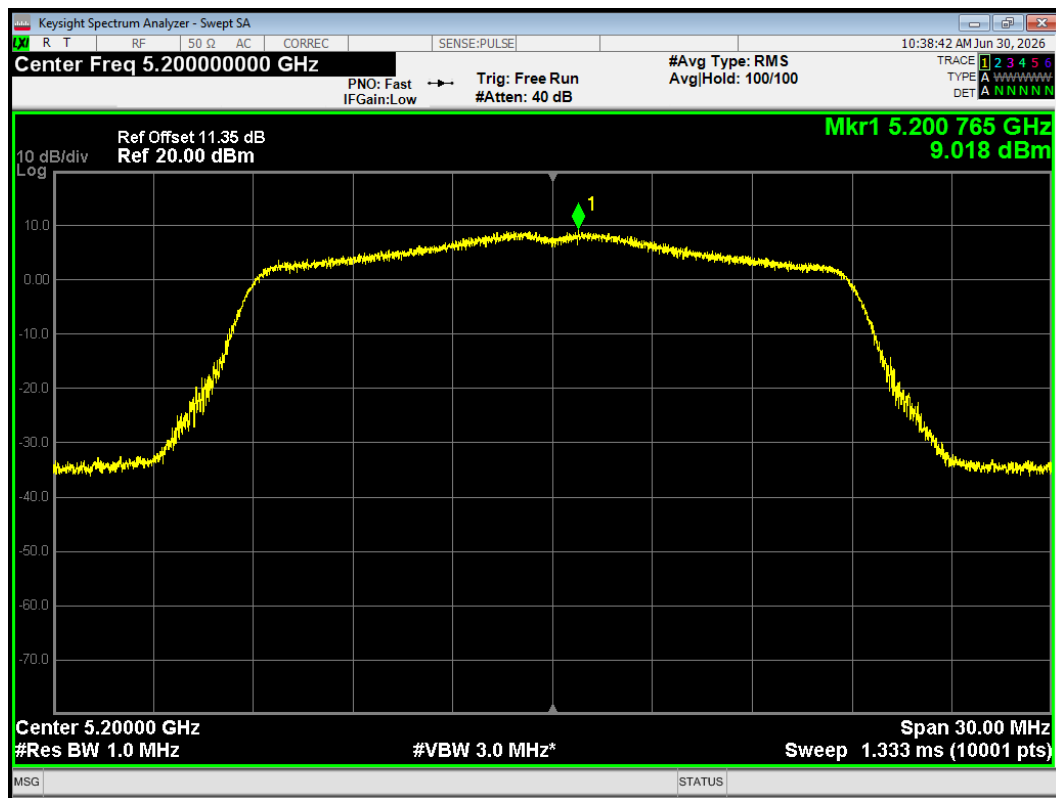
PSD 802.11ax(HE80) 5210MHz



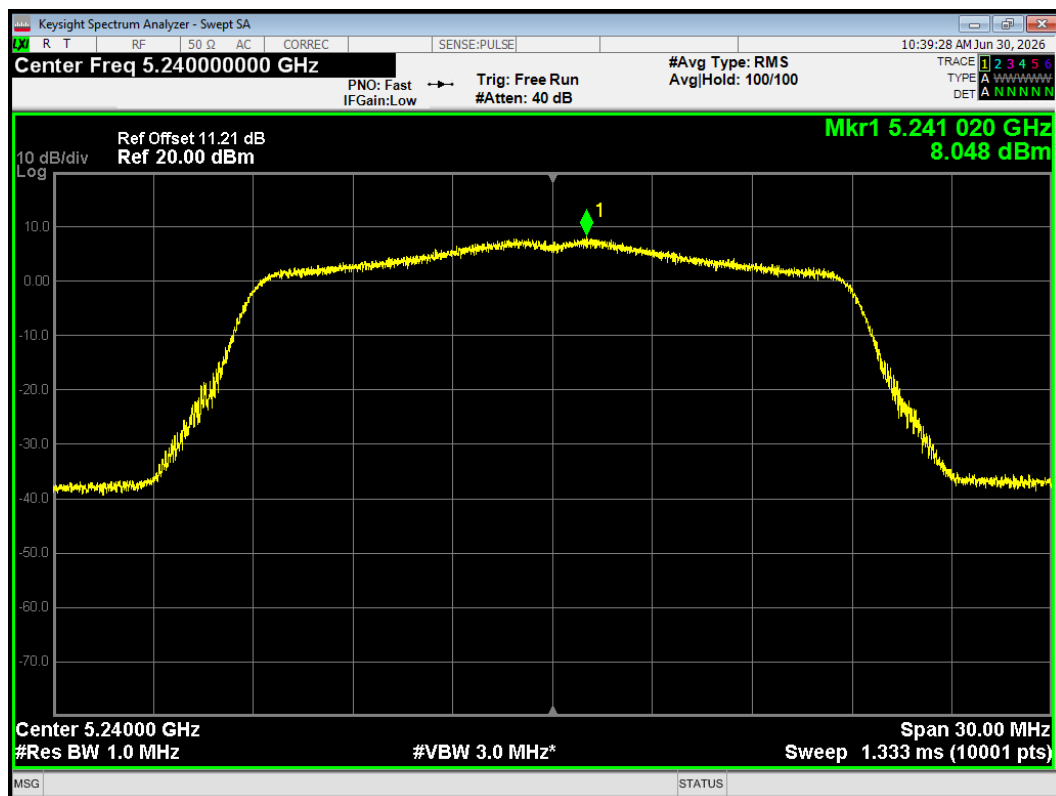
PSD 802.11n(HT20) 5180MHz



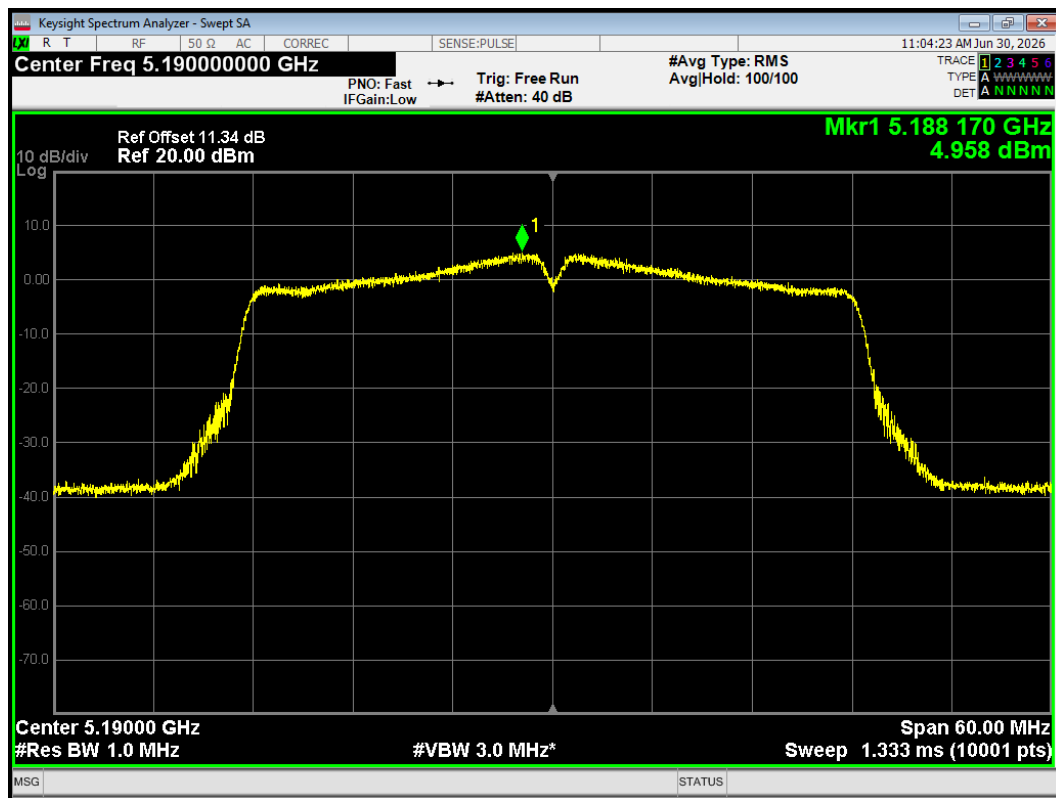
PSD 802.11n(HT20) 5200MHz



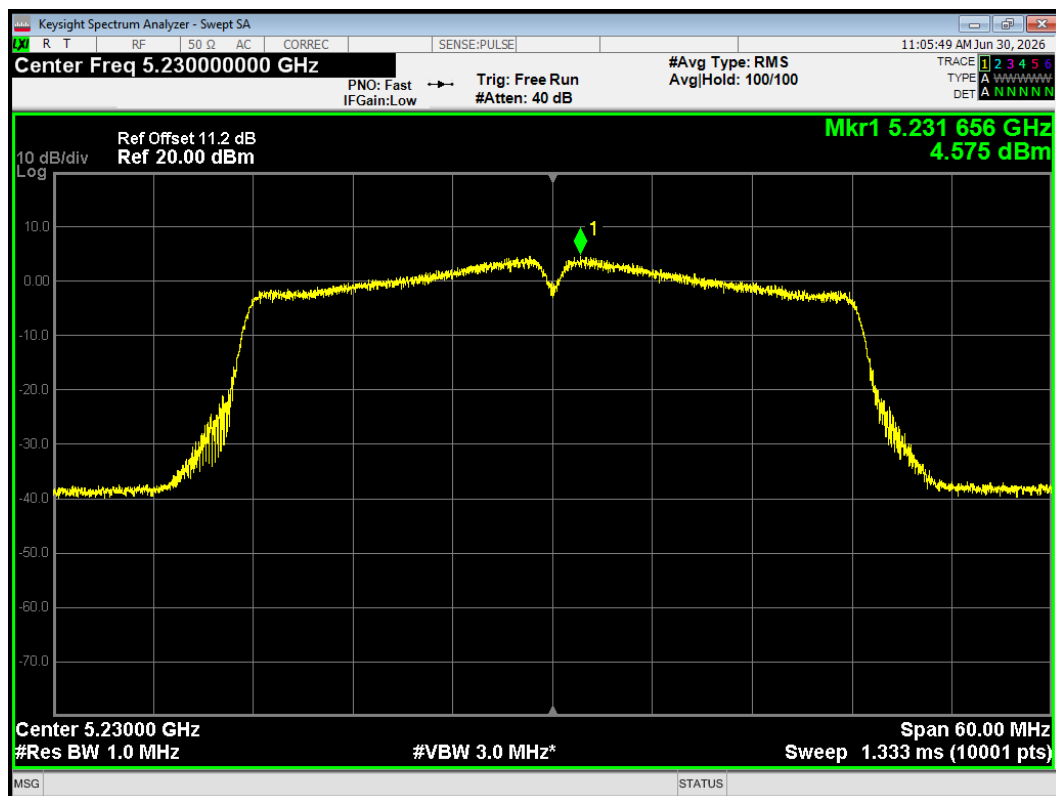
PSD 802.11n(HT20) 5240MHz



PSD 802.11n(HT40) 5190MHz

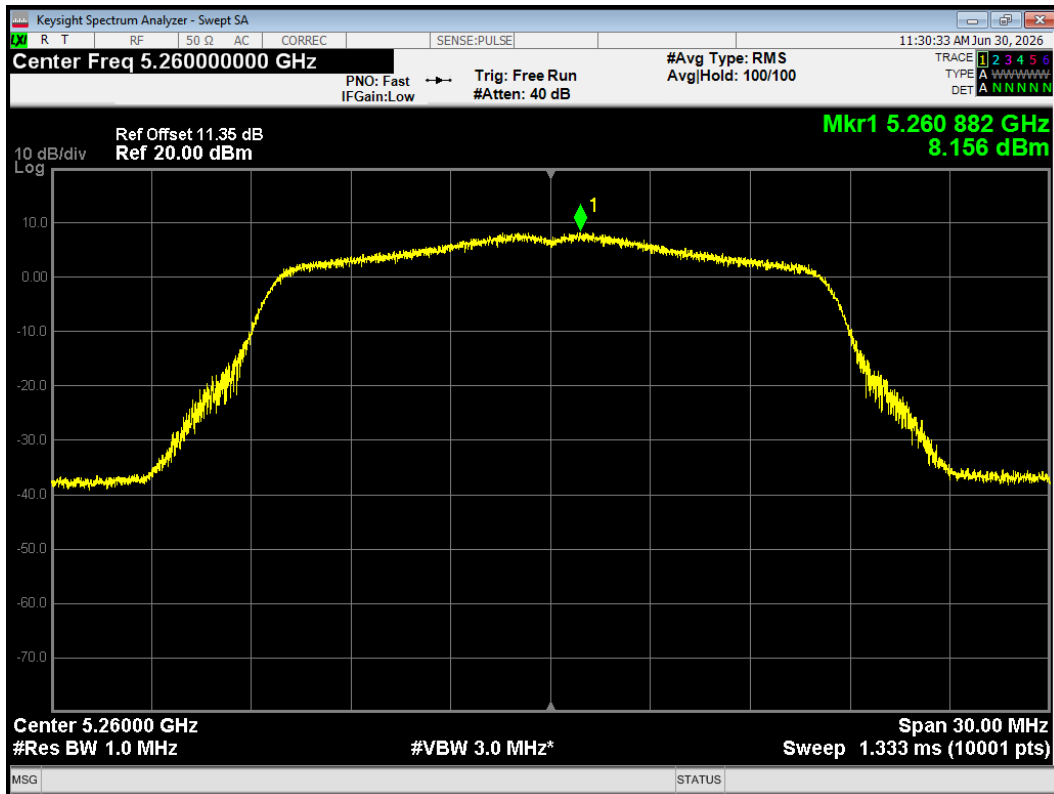


PSD 802.11n(HT40) 5230MHz

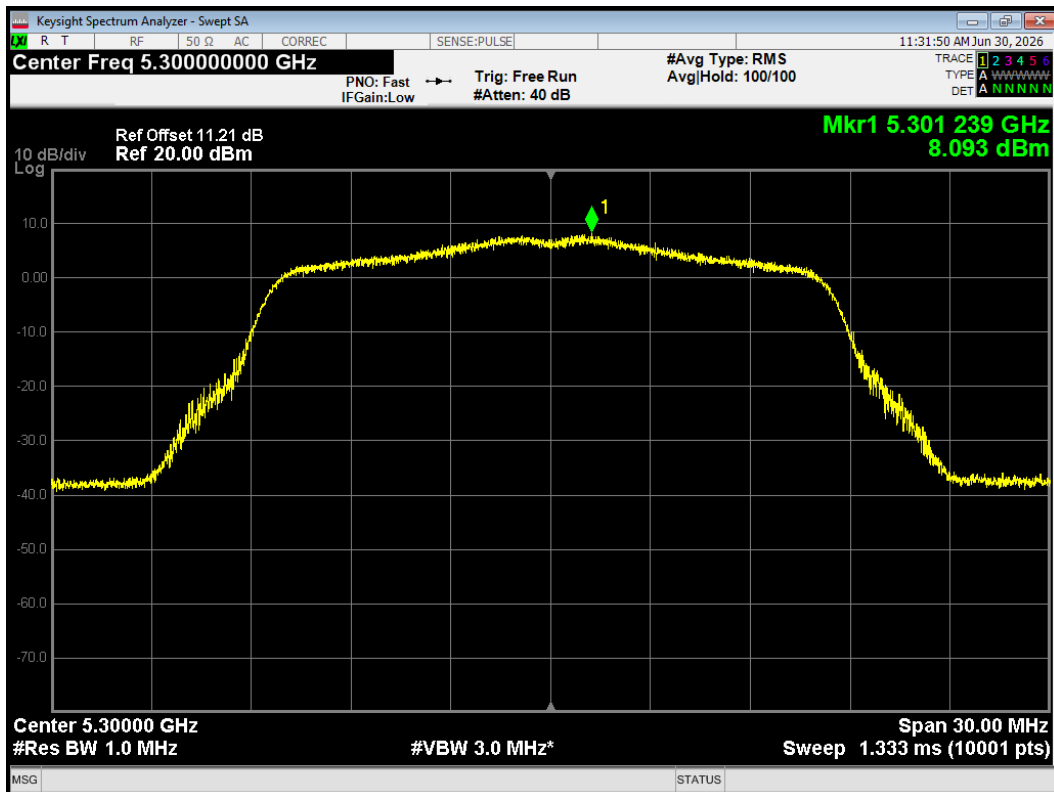


U-NII-2A

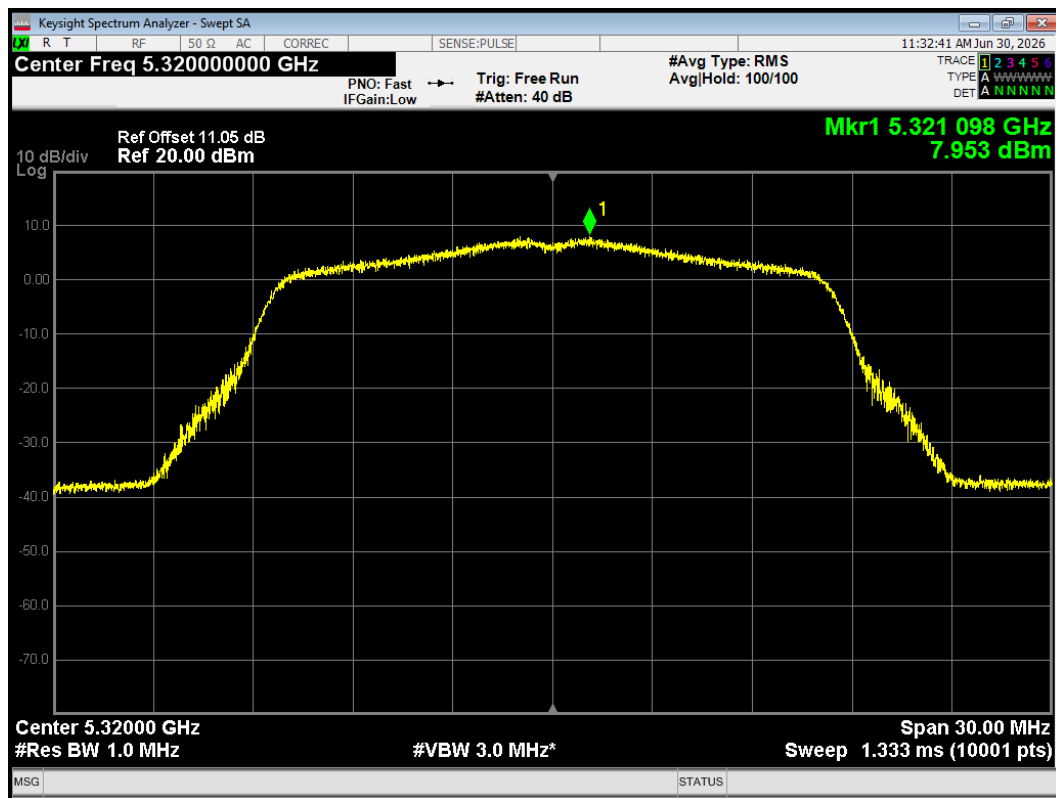
PSD 802.11a 5260MHz



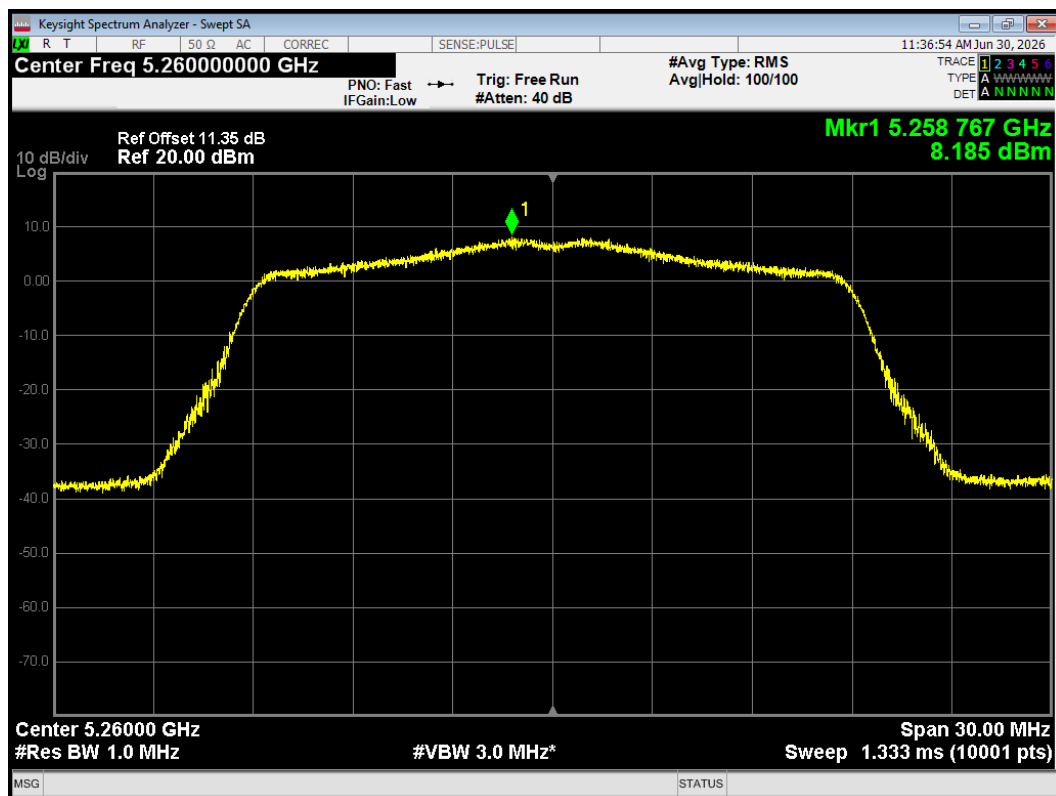
PSD 802.11a 5300MHz



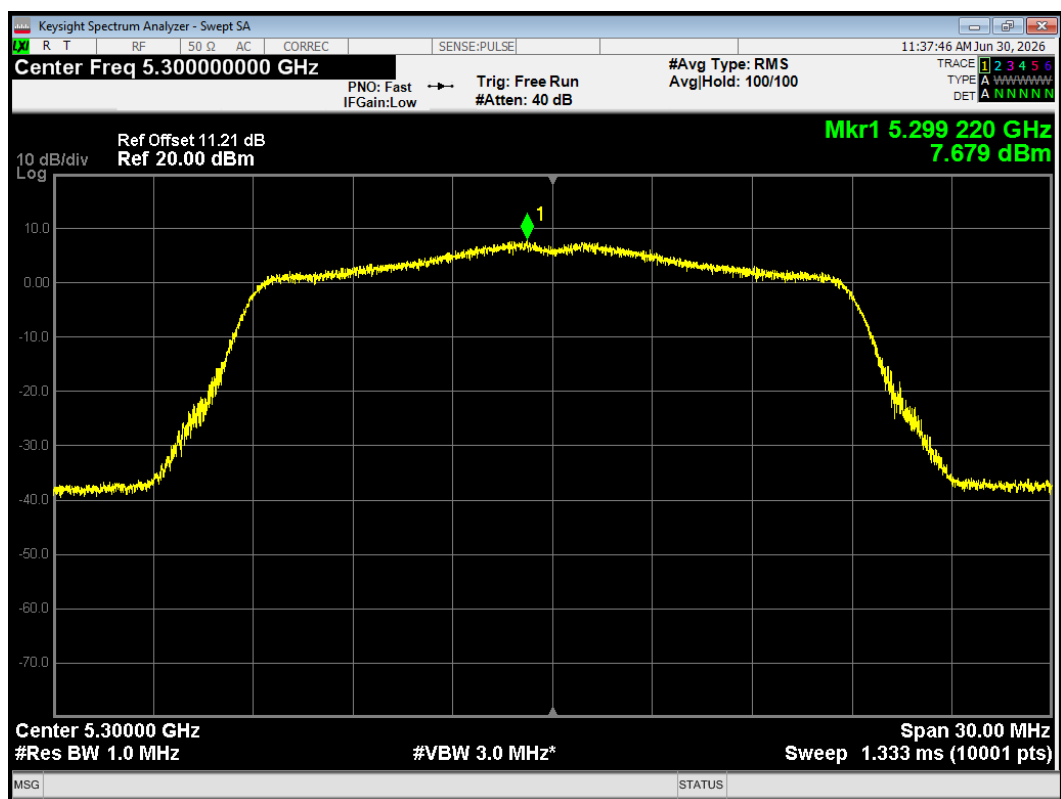
PSD 802.11a 5320MHz



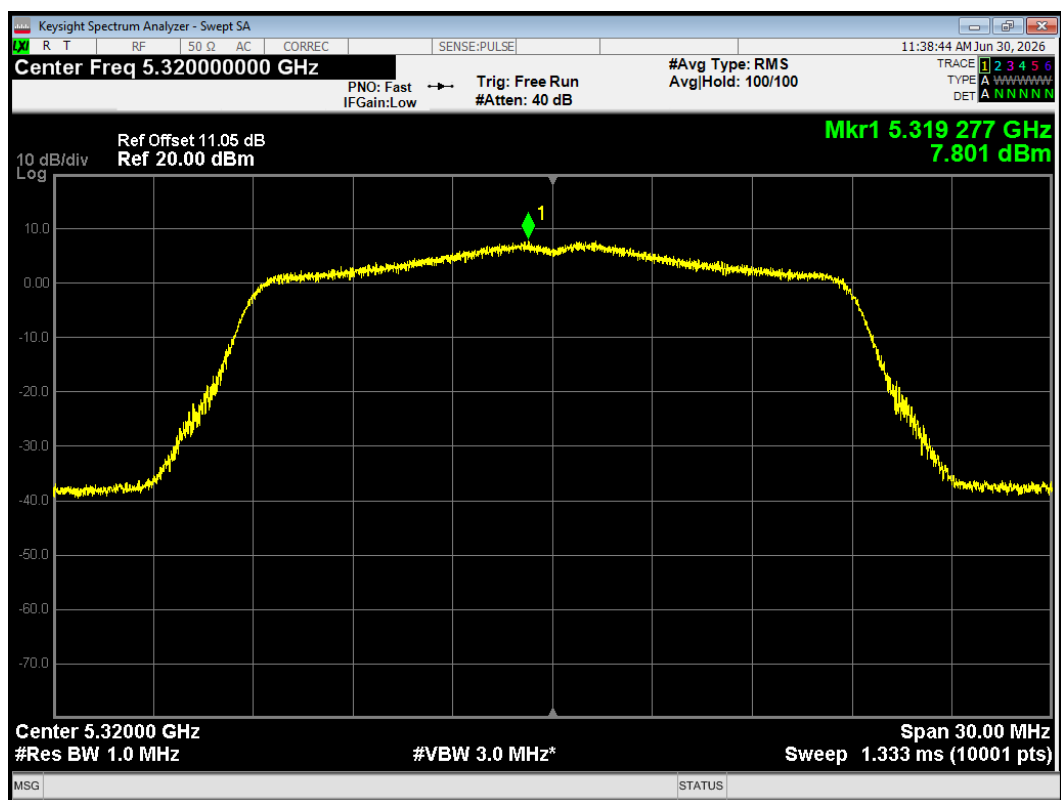
PSD 802.11ac(VHT20) 5260MHz



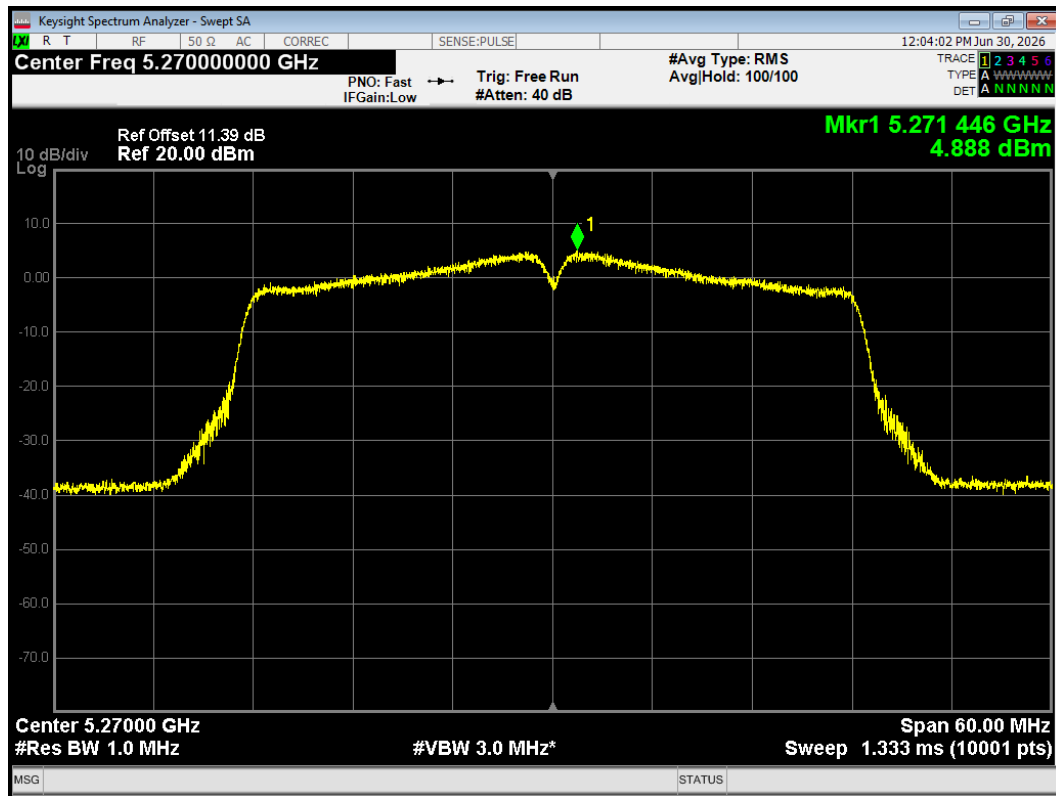
PSD 802.11ac(VHT20) 5300MHz



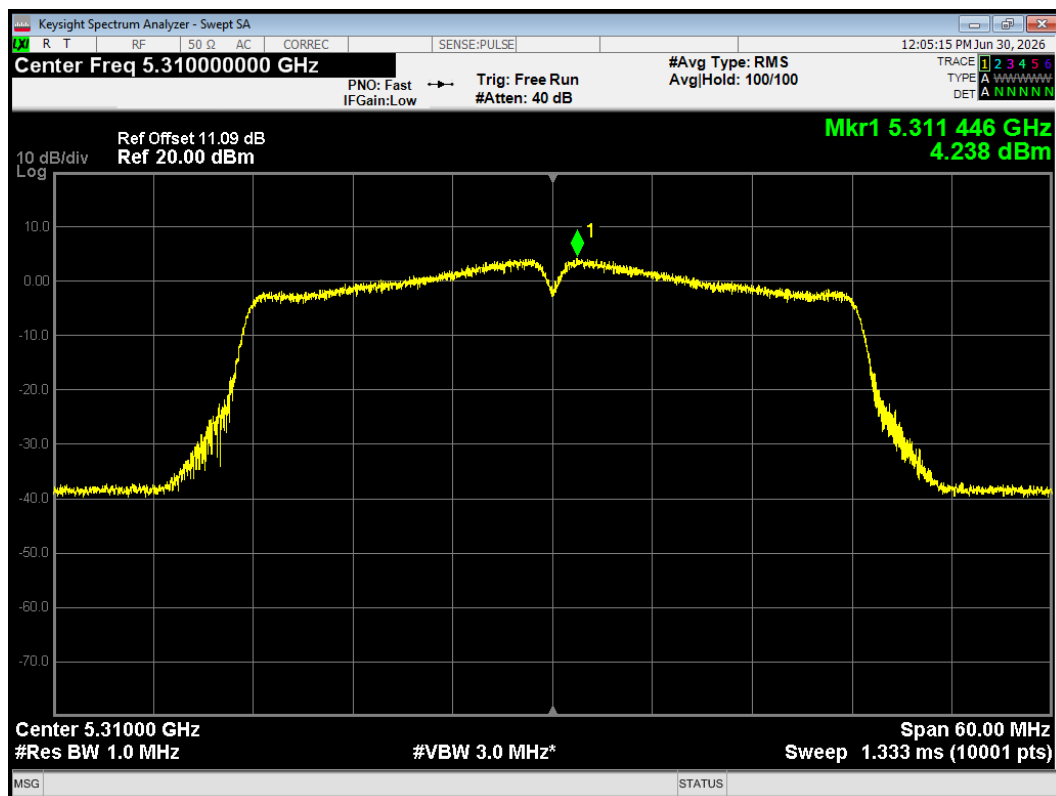
PSD 802.11ac(VHT20) 5320MHz



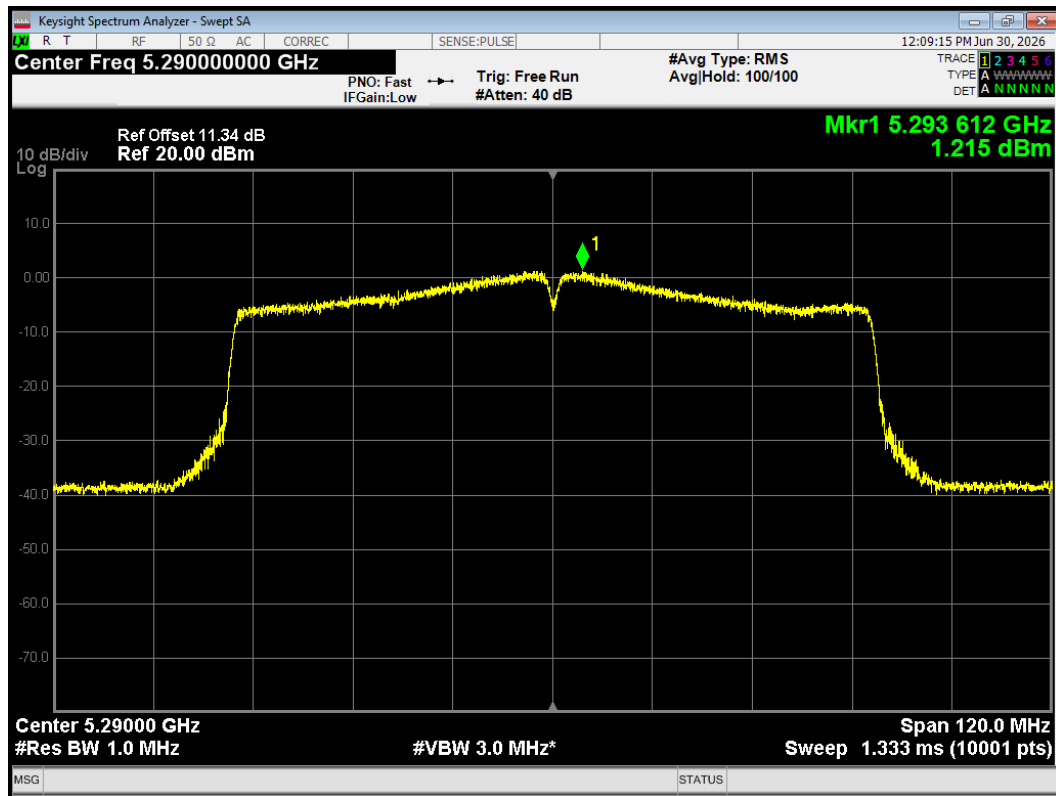
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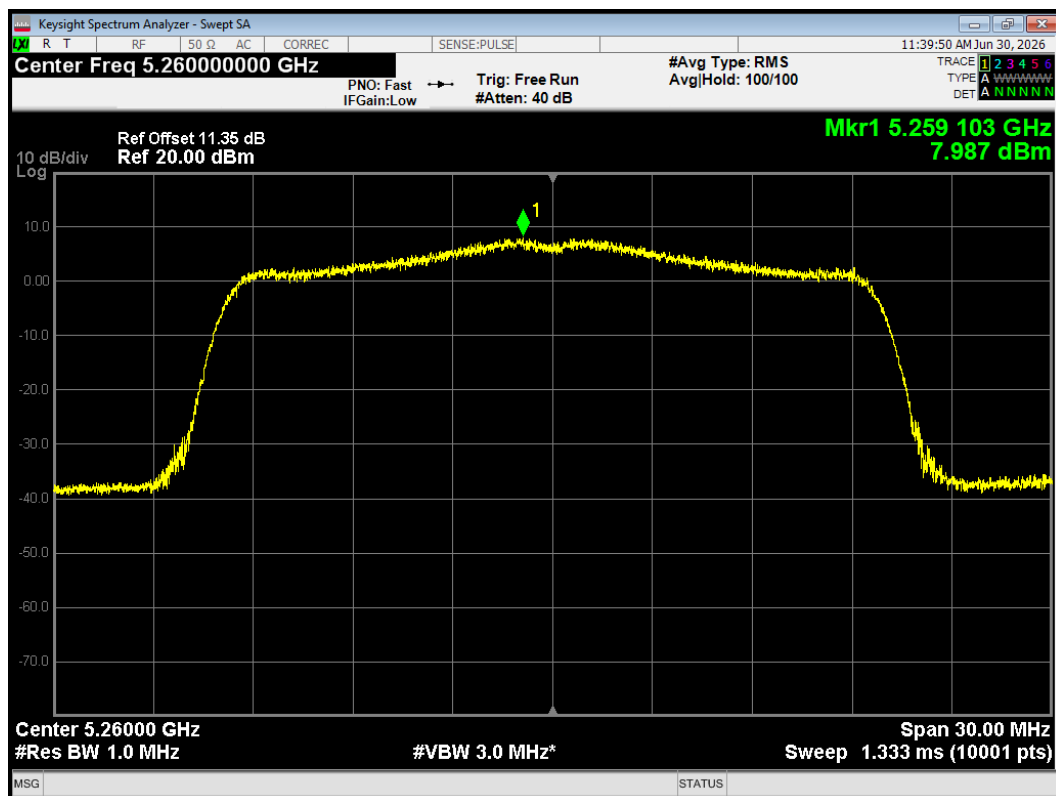
PSD 802.11ac(VHT40) 5310MHz



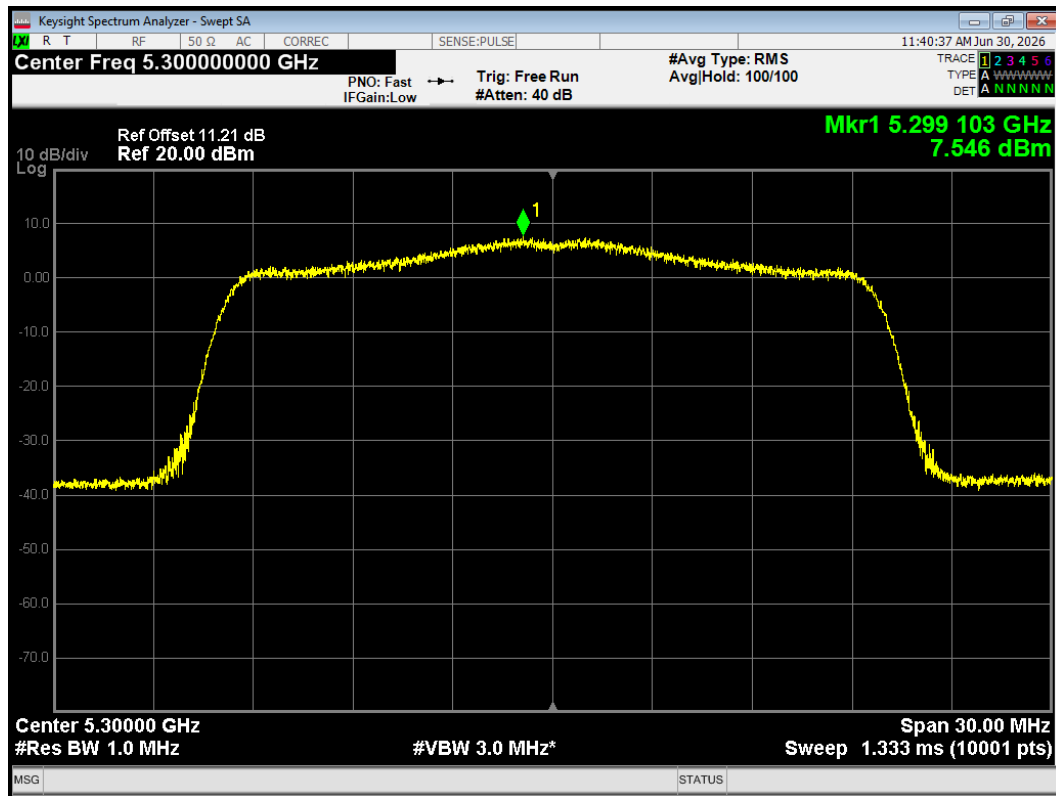
PSD 802.11ac(VHT80) 5290MHz



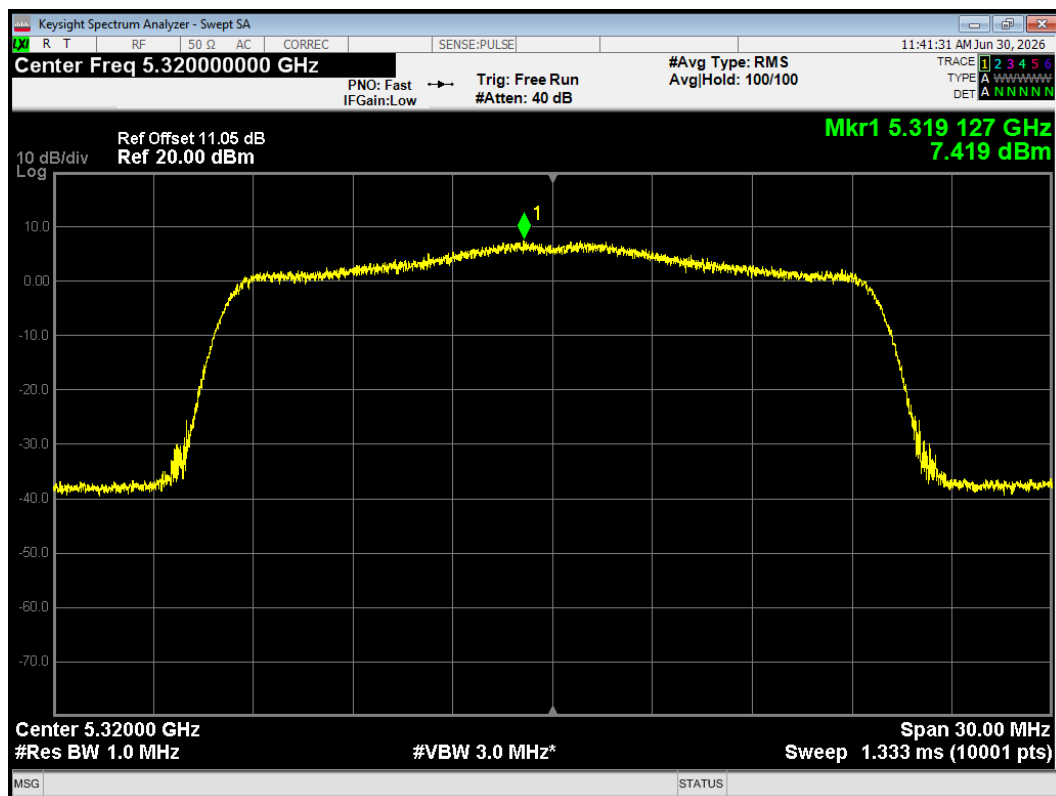
PSD 802.11ax(HE20) 5260MHz



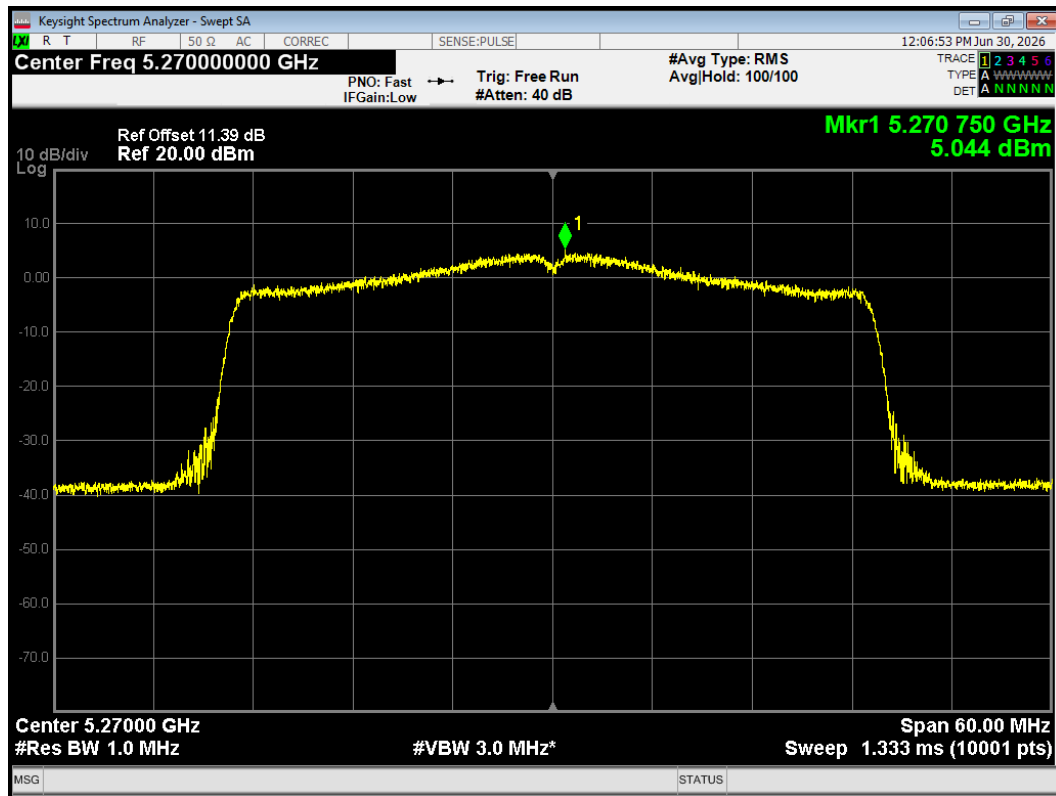
PSD 802.11ax(HE20) 5300MHz



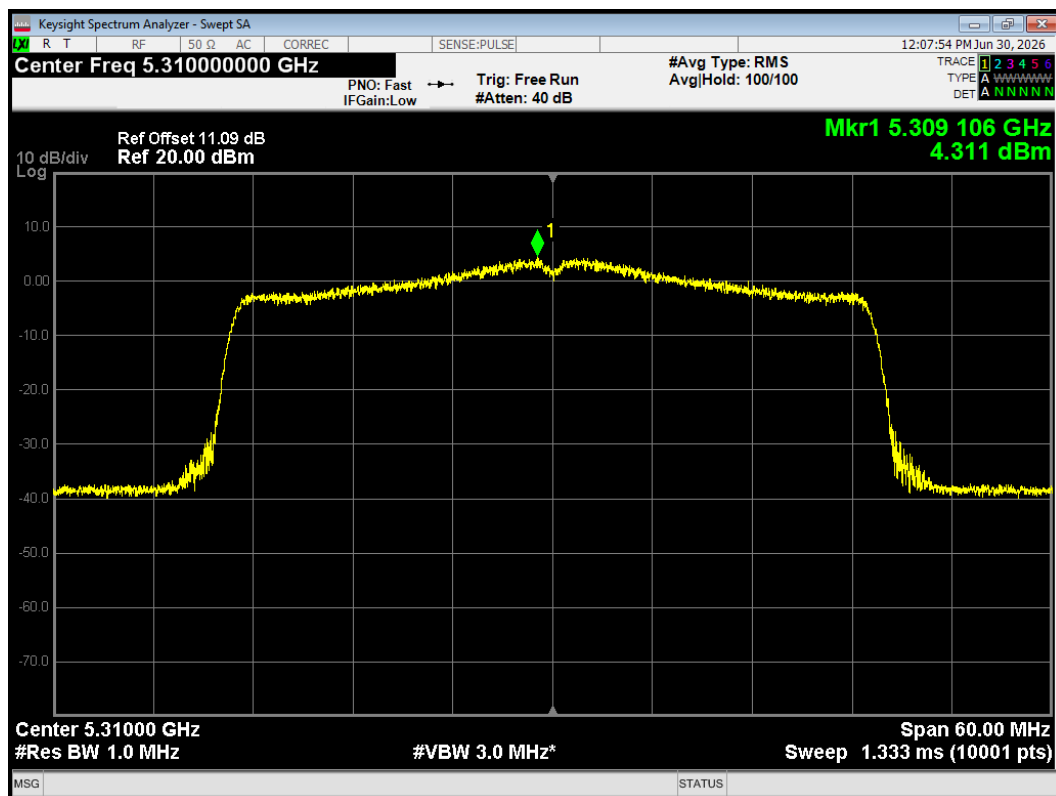
PSD 802.11ax(HE20) 5320MHz



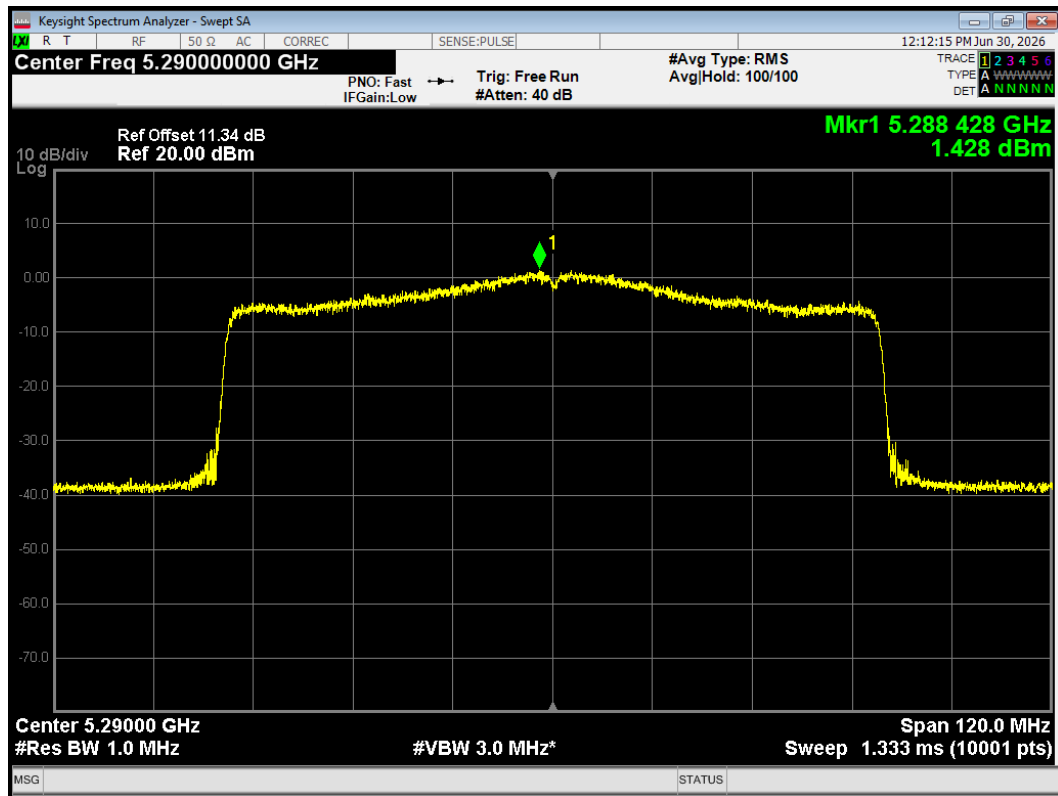
PSD 802.11ax(HE40) 5270MHz



PSD 802.11ax(HE40) 5310MHz



PSD 802.11ax(HE80) 5290MHz



PSD 802.11n(HT20) 5260MHz

