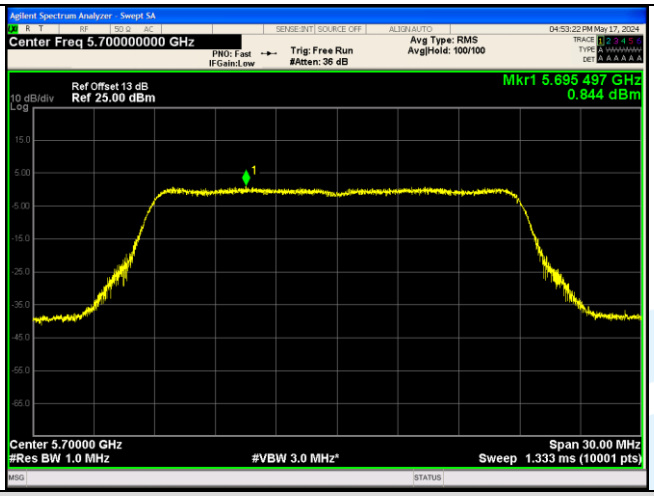
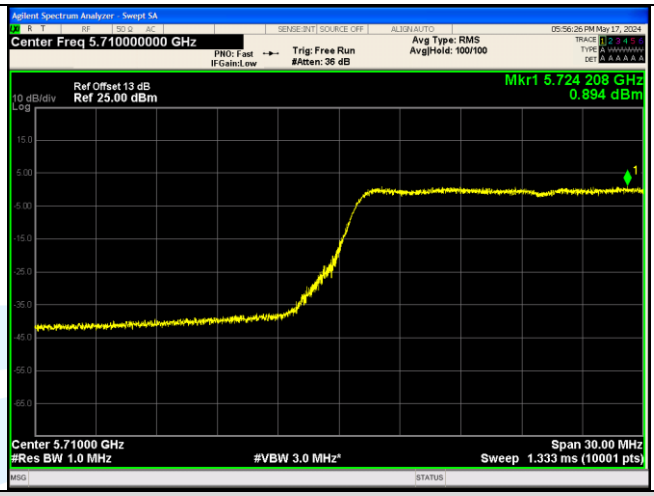
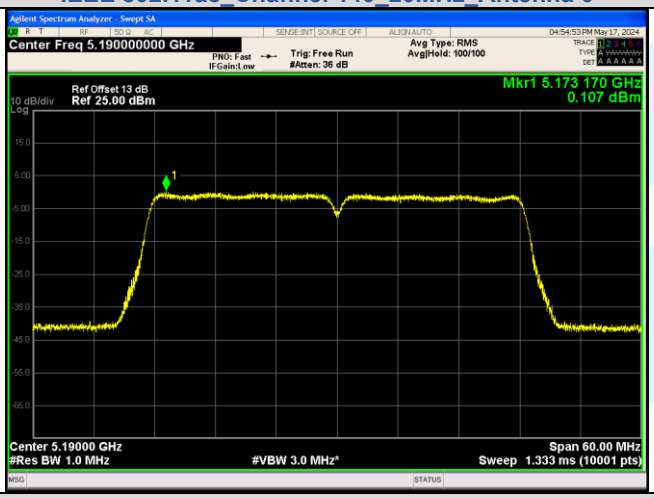


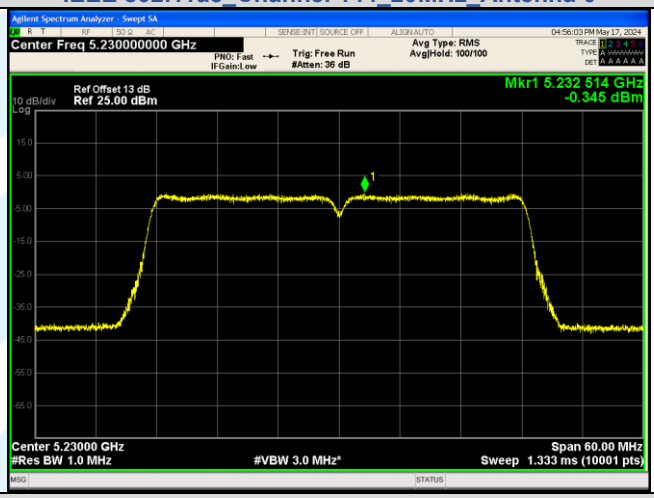
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



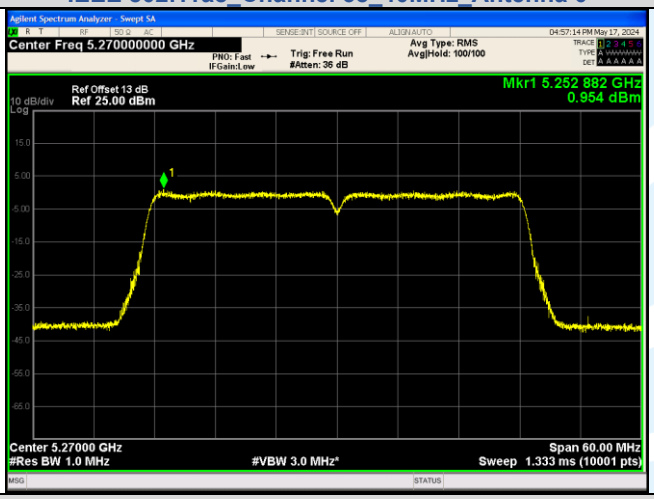
IEEE 802.11ac_Channel 144_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



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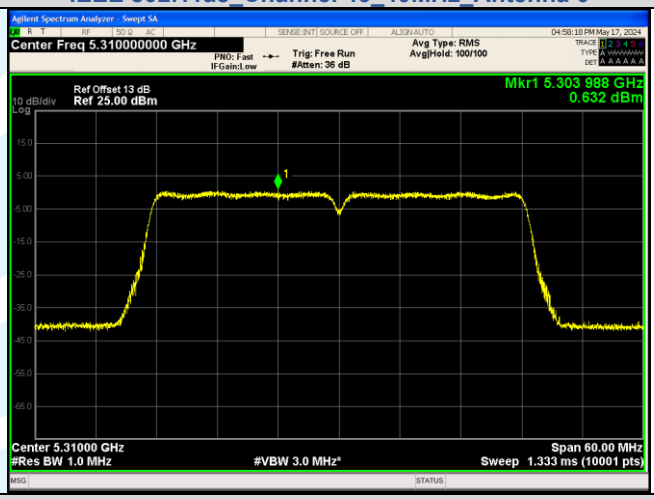

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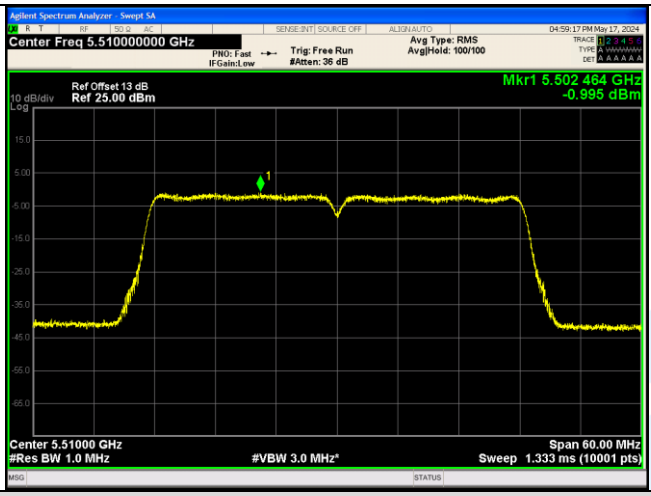
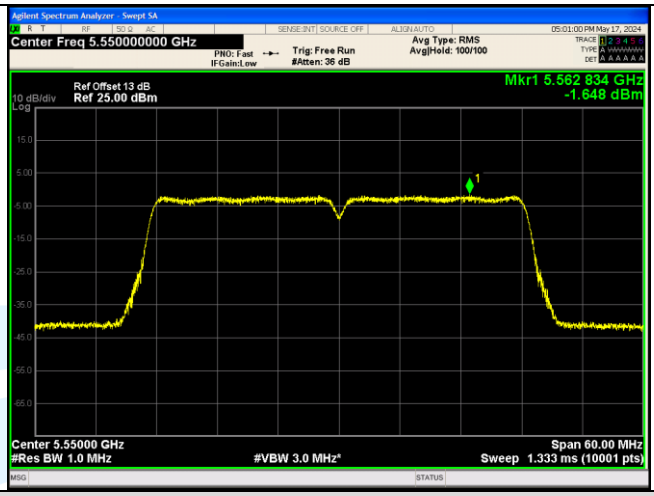
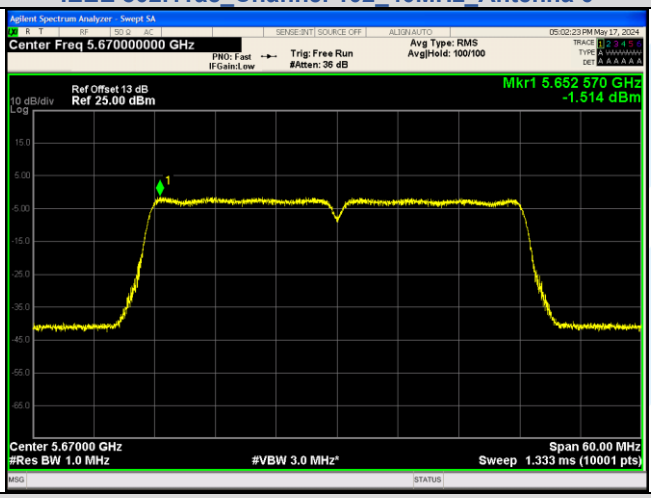


IEEE 802.11ac_Channel 102_40MHz_Antenna 0



IEEE 802.11ac_Channel 110_40MHz_Antenna 0



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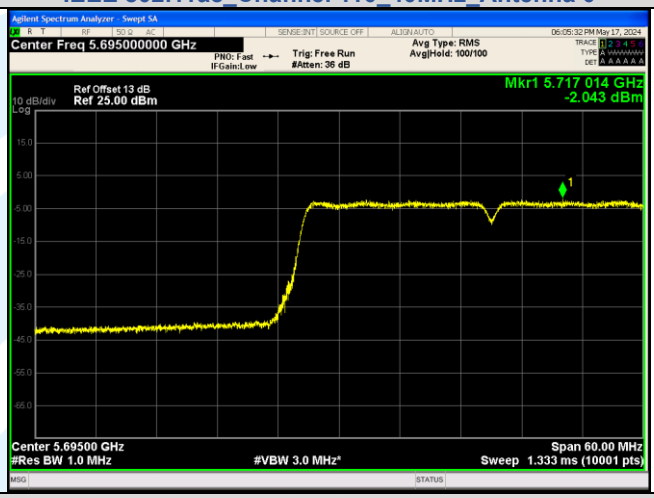

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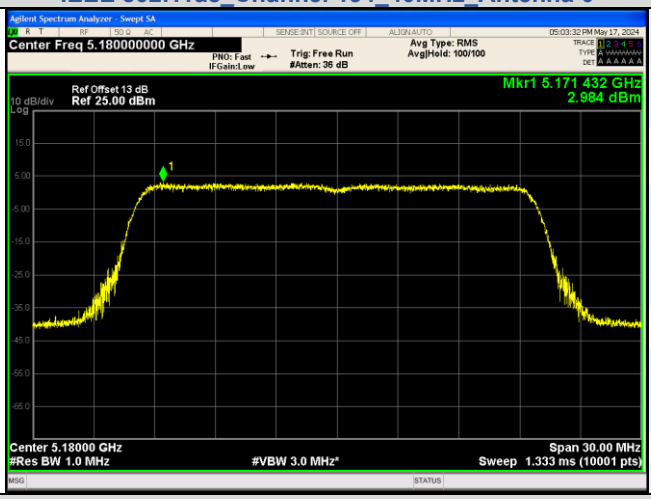
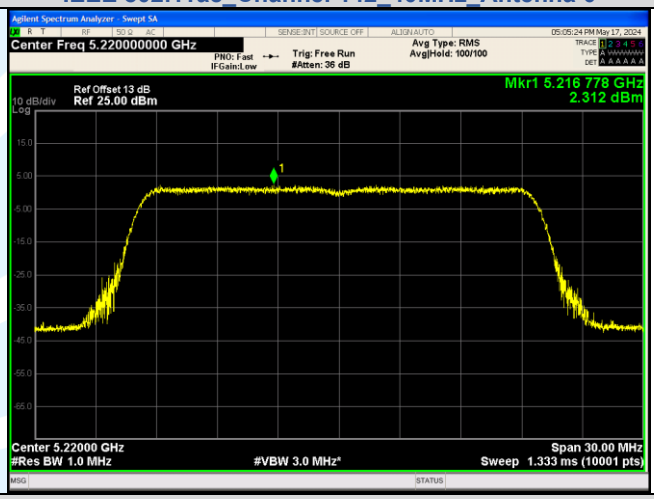
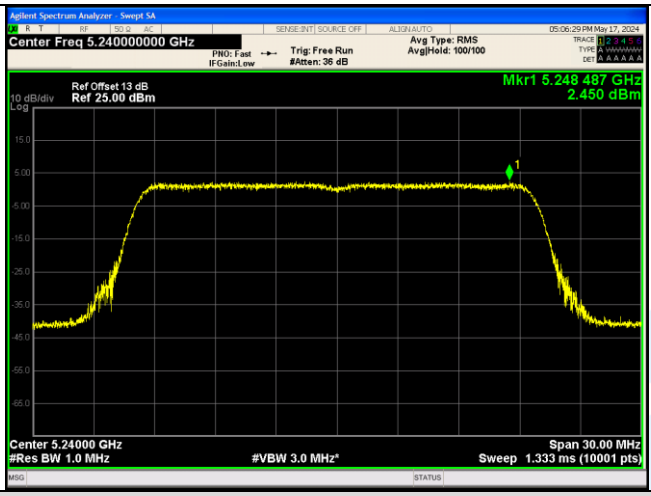


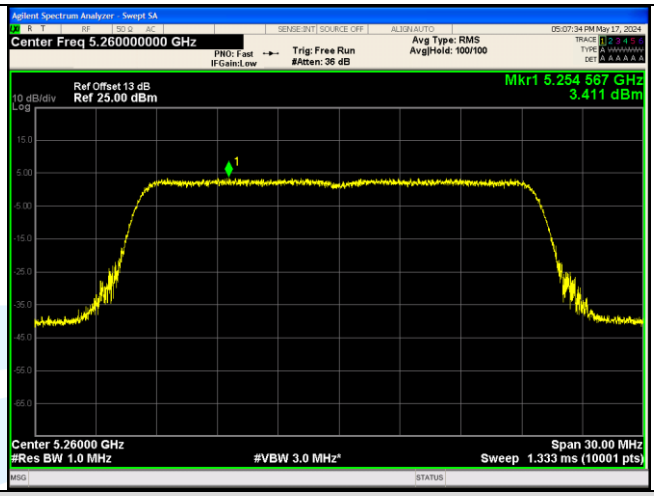
IEEE 802.11ax_Channel 36_20MHz_Antenna 0_RU&Index SU



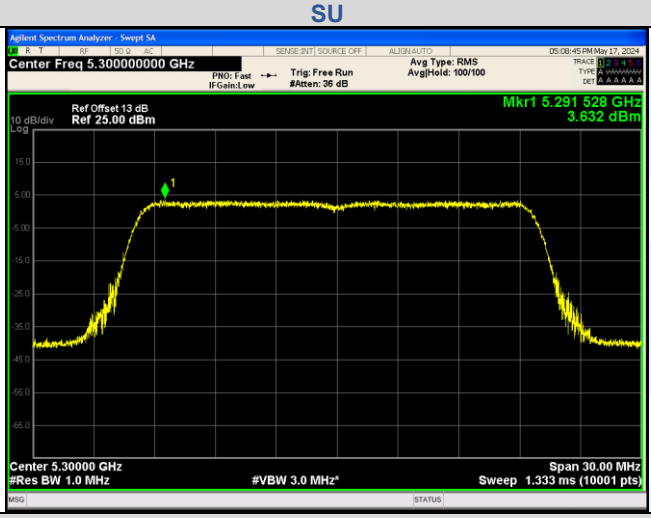
IEEE 802.11ax_Channel 44_20MHz_Antenna 0_RU&Index SU



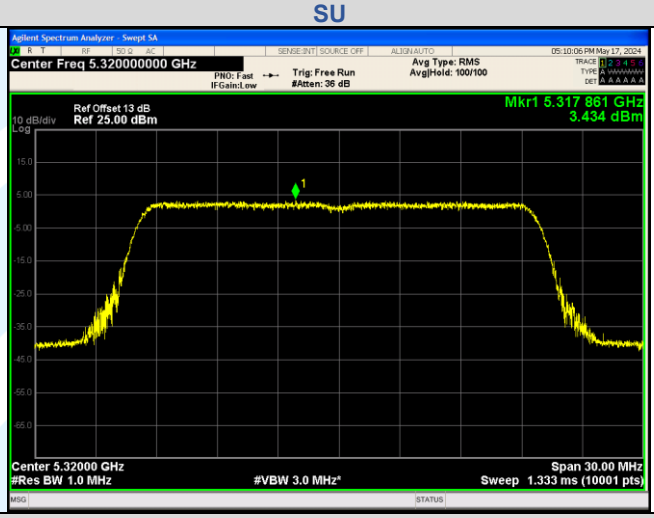
IEEE 802.11ax_Channel 48_20MHz_Antenna 0_RU&Index SU



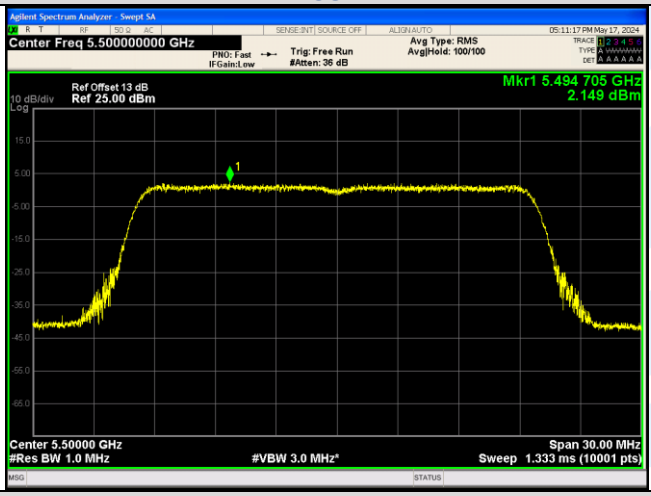
IEEE 802.11ax_Channel 52_20MHz_Antenna 0_RU&Index SU



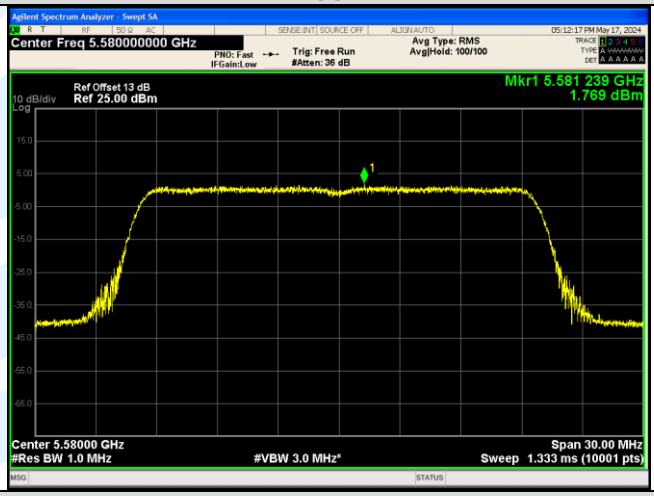
IEEE 802.11ax_Channel 60_20MHz_Antenna 0_RU&Index SU



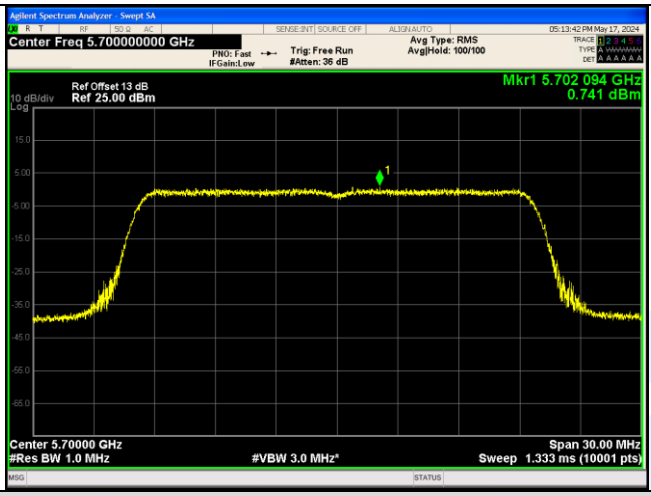
IEEE 802.11ax_Channel 64_20MHz_Antenna 0_RU&Index SU



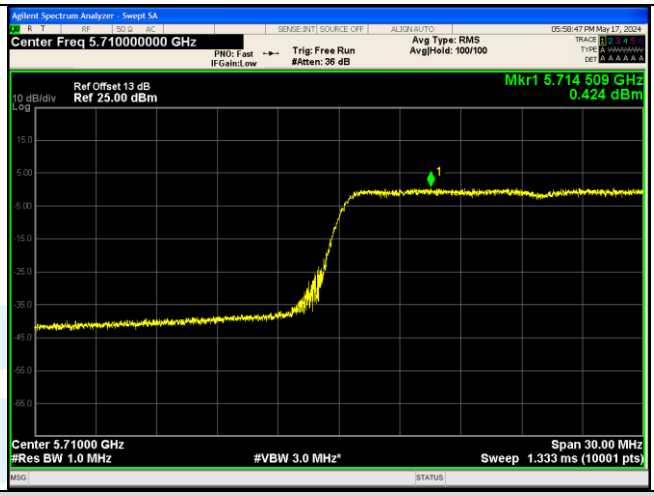
IEEE 802.11ax_Channel 100_20MHz_Antenna 0_RU&Index SU



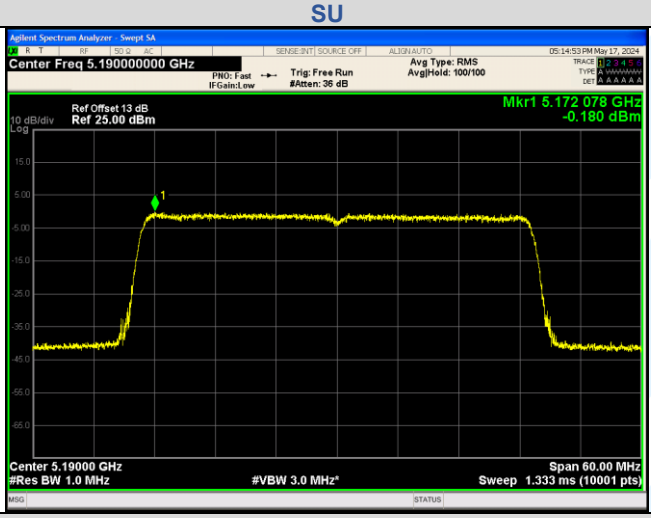
IEEE 802.11ax_Channel 116_20MHz_Antenna 0_RU&Index SU



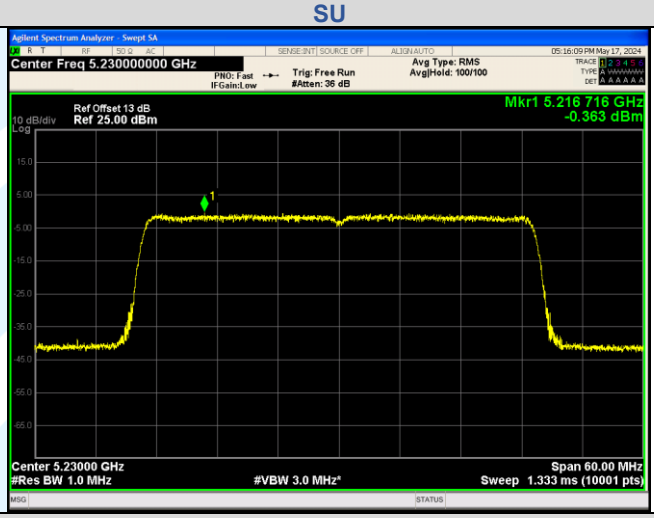
IEEE 802.11ax_Channel 140_20MHz_Antenna 0_RU&Index SU



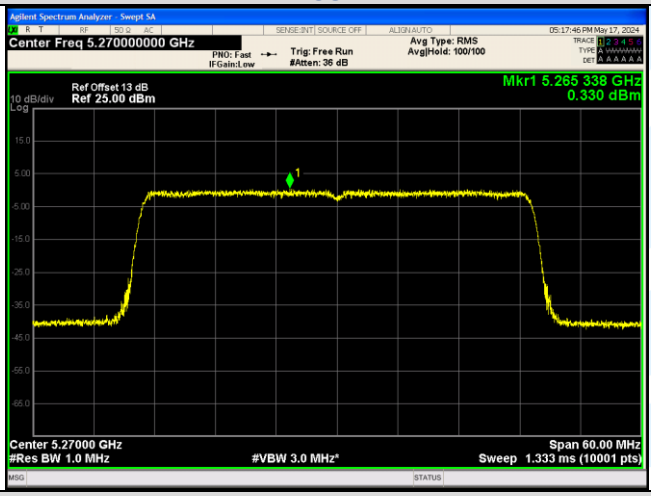
IEEE 802.11ax_Channel 144_20MHz_Antenna 0_RU&Index SU



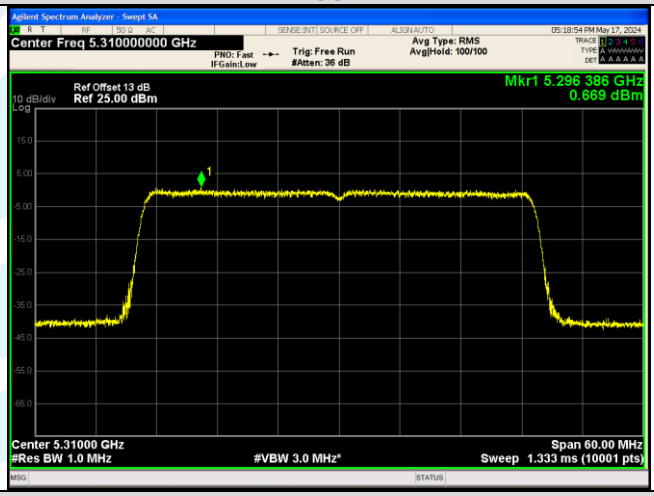
IEEE 802.11ax_Channel 38_40MHz_Antenna 0_RU&Index SU



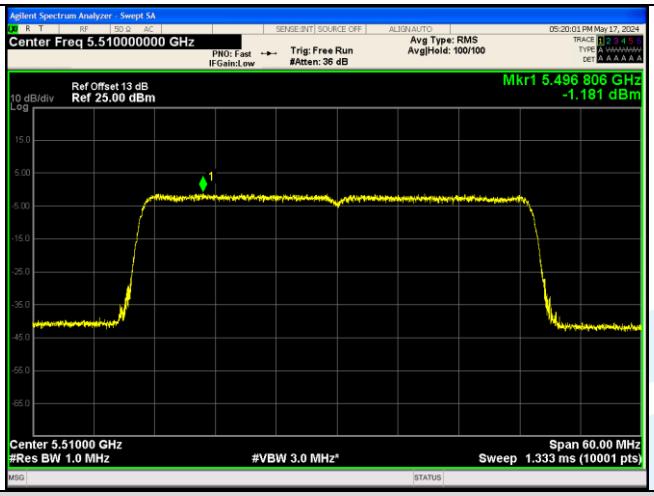
IEEE 802.11ax_Channel 46_40MHz_Antenna 0_RU&Index SU



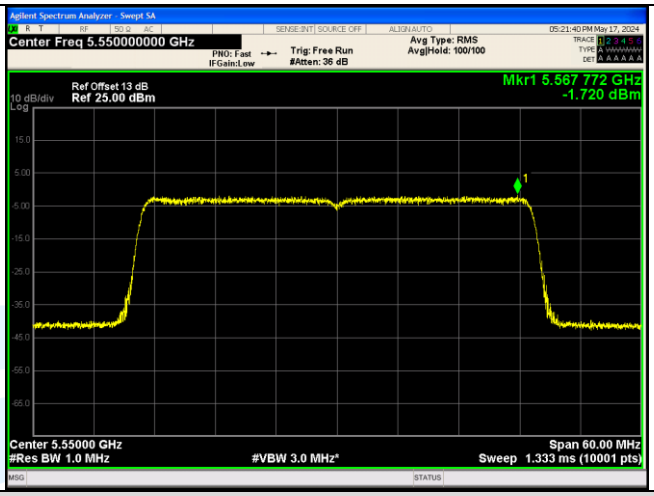
IEEE 802.11ax_Channel 54_40MHz_Antenna 0_RU&Index SU



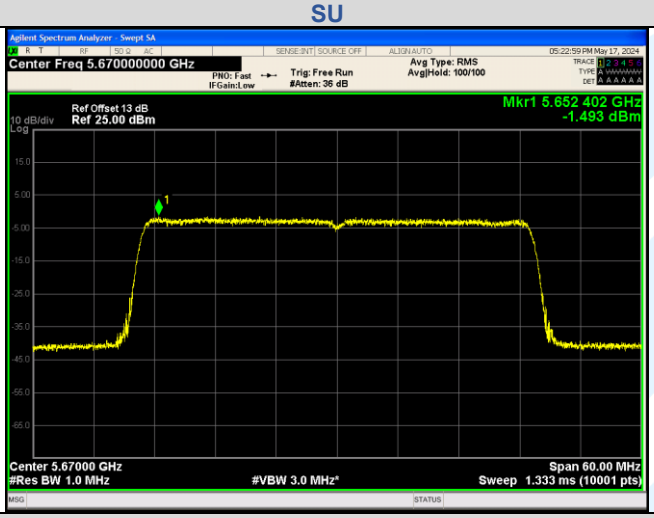
IEEE 802.11ax_Channel 62_40MHz_Antenna 0_RU&Index SU



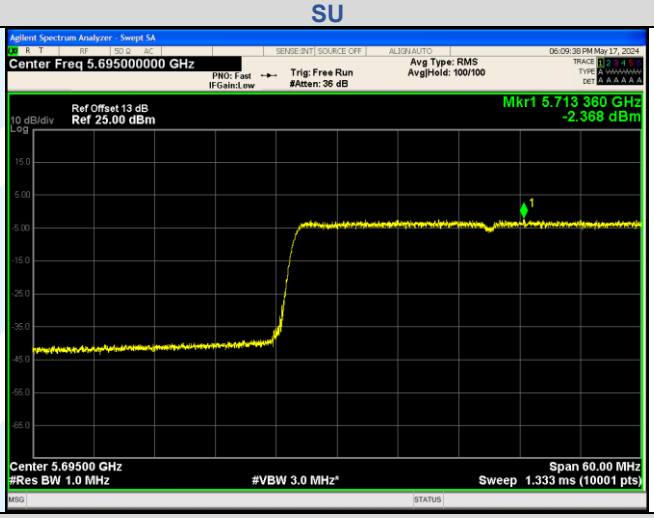
IEEE 802.11ax_Channel 102_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 110_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 134_40MHz_Antenna 0_RU&Index SU



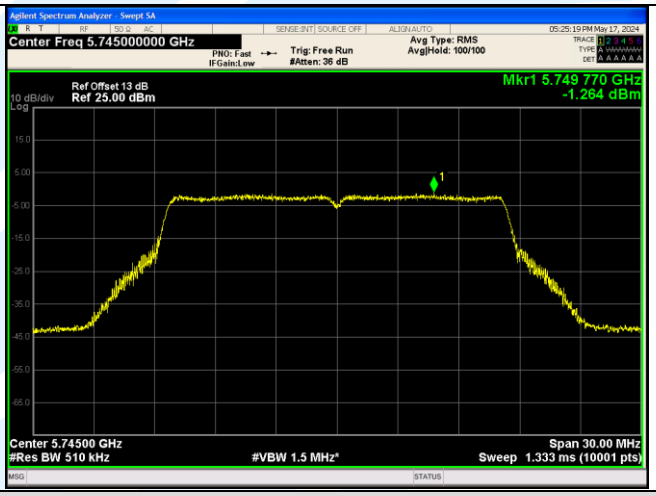
IEEE 802.11ax_Channel 142_40MHz_Antenna 0_RU&Index SU

For U-NII-3 band

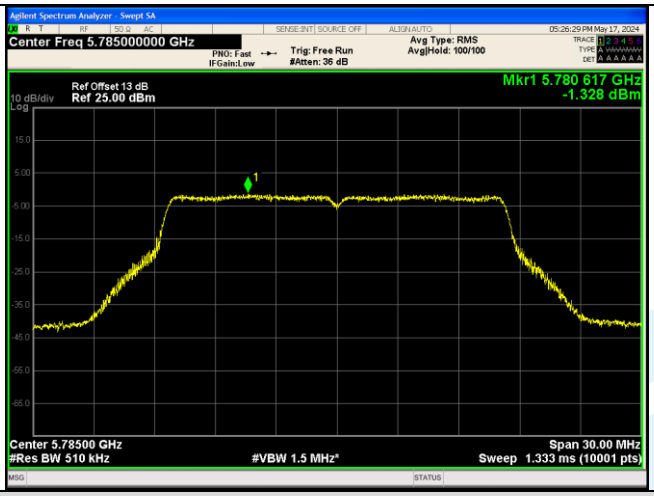
Mode	Channel	RU & Index	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	144	N/A	-2.410	-2.29	11	PASS
	149		-1.264	-1.144	30	PASS
	157		-1.328	-1.208		PASS
	165		-1.469	-1.349		PASS
IEEE 802.11n_20	144		-2.538	-2.424	11	PASS
	149		-1.612	-1.499	30	PASS
	157		-1.583	-1.47		PASS
	165		-1.893	-1.78		PASS
IEEE 802.11n_40	142		-5.265	-5.059	11	PASS
	151		-4.655	-4.449	30	PASS
	159		-4.536	-4.33		PASS
IEEE 802.11ac_20	144		-1.893	-1.783	11	PASS
	149		-1.519	-1.409	30	PASS
	157		-1.649	-1.539		PASS
	165		-1.910	-1.8		PASS
IEEE 802.11ac_40	142		-5.287	-5.167	11	PASS
	151		-4.697	-4.577	30	PASS
	159		-4.685	-4.565		PASS
IEEE 802.11ax_20	144	SU	-2.263	-2.13	11	PASS
	149		-1.878	-1.745	30	PASS
	157		-1.746	-1.613		PASS
	165		-1.943	-1.81		PASS
IEEE 802.11ax_40	142		-5.833	-5.708	11	PASS
	151		-4.748	-4.623	30	PASS
	159		-4.988	-4.863		PASS

Test Graphs

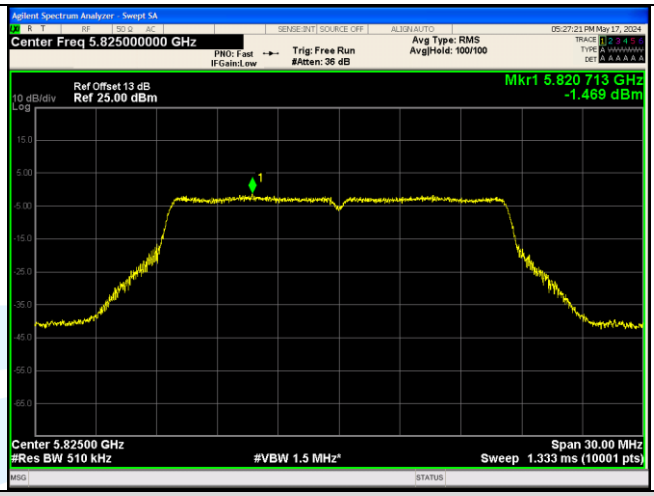
IEEE 802.11a_Channel 144_20MHz_Antenna 0



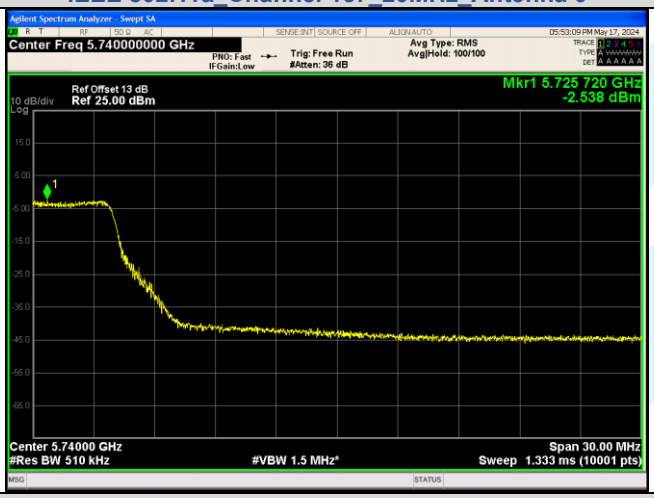
IEEE 802.11a_Channel 149_20MHz_Antenna 0



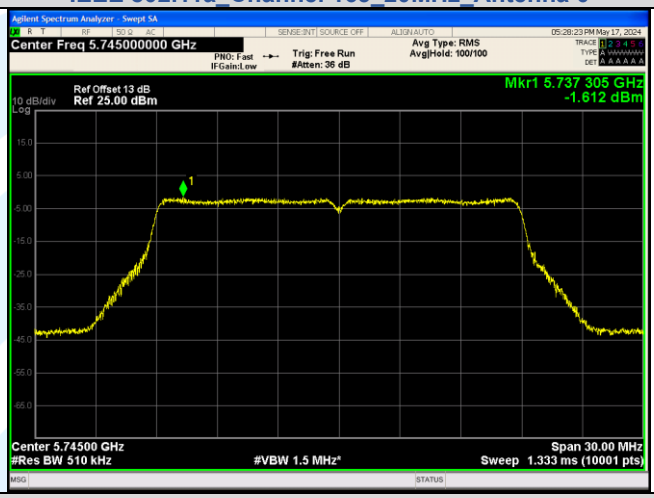
IEEE 802.11a_Channel 157_20MHz_Antenna 0



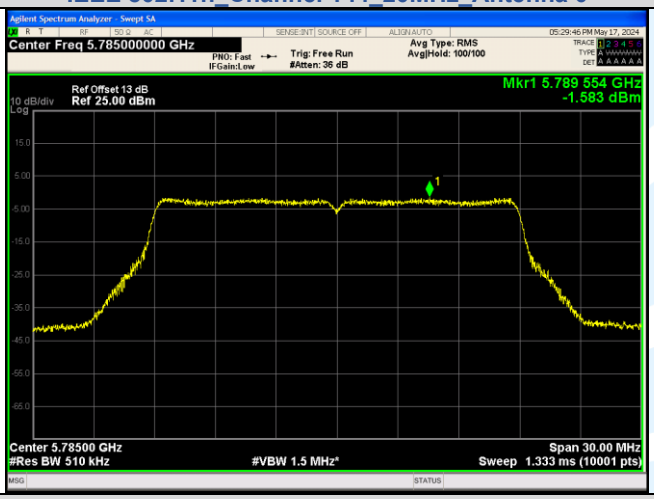
IEEE 802.11a_Channel 165_20MHz_Antenna 0



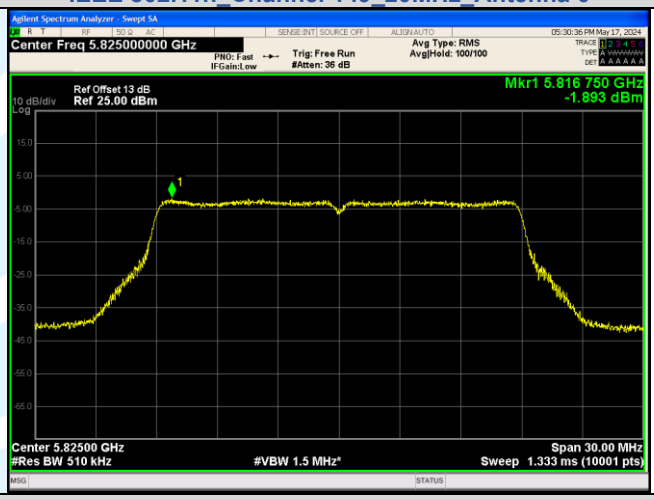
IEEE 802.11n_Channel 144_20MHz_Antenna 0



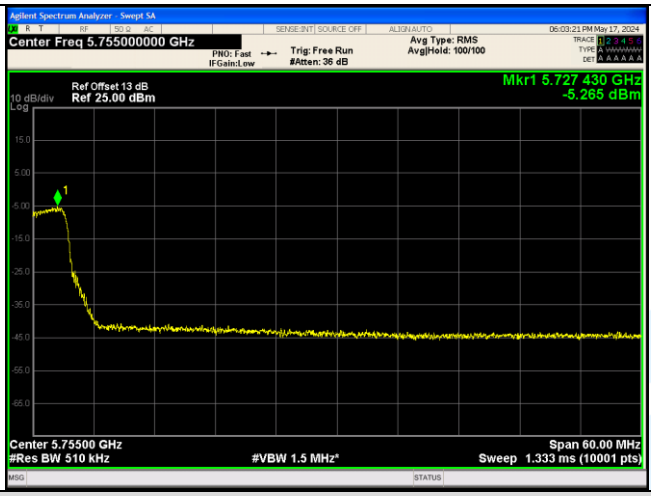
IEEE 802.11n_Channel 149_20MHz_Antenna 0



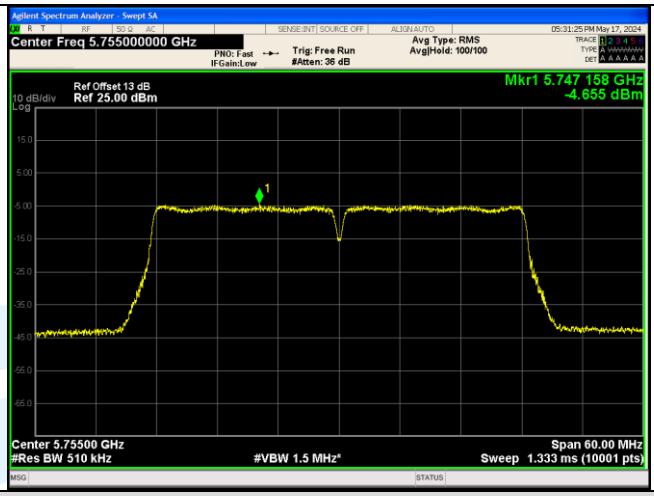
IEEE 802.11n_Channel 157_20MHz_Antenna 0



IEEE 802.11n_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 142_40MHz_Antenna 0



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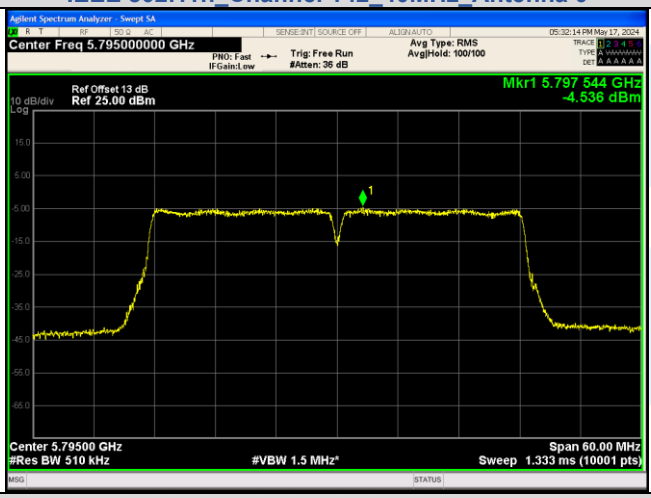
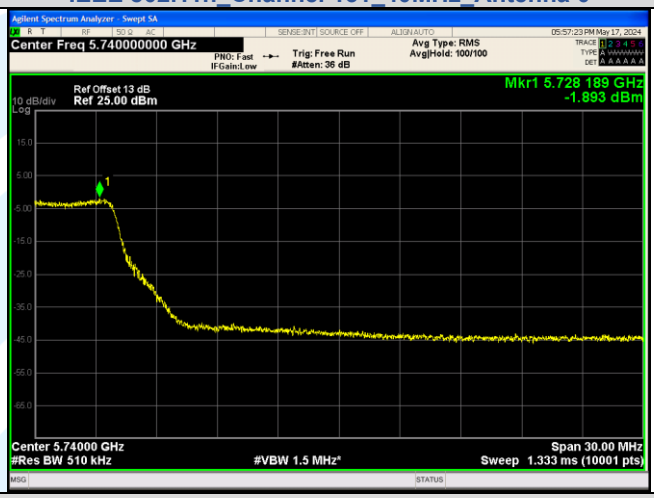
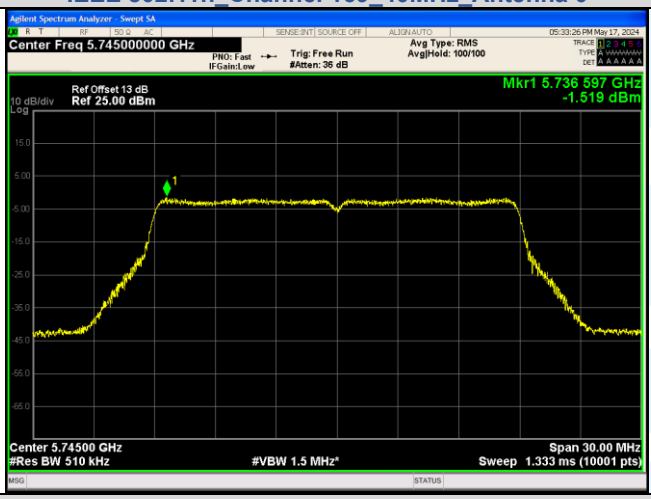


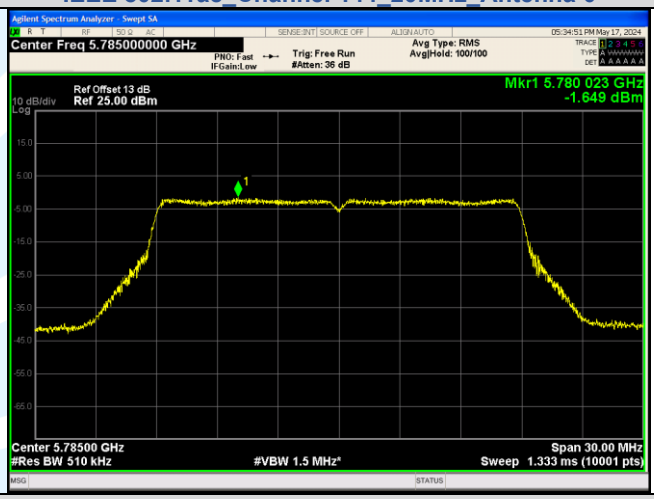
IEEE 802.11n_Channel 159_40MHz_Antenna 0



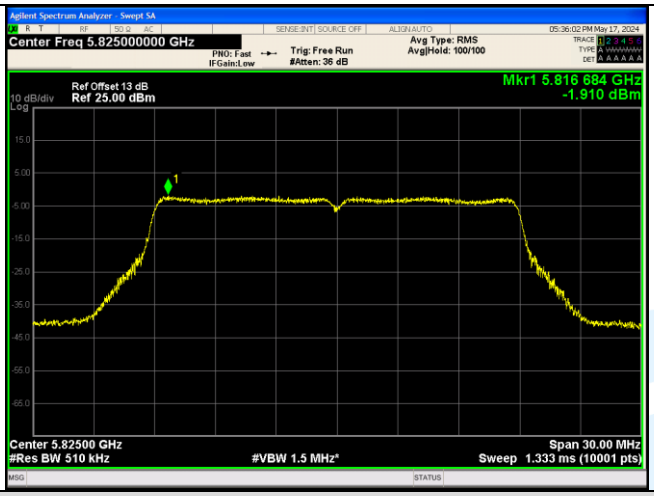
IEEE 802.11ac_Channel 144_20MHz_Antenna 0



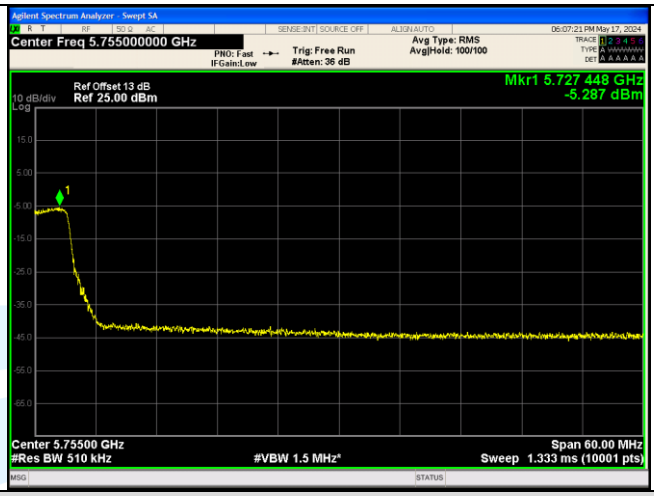
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



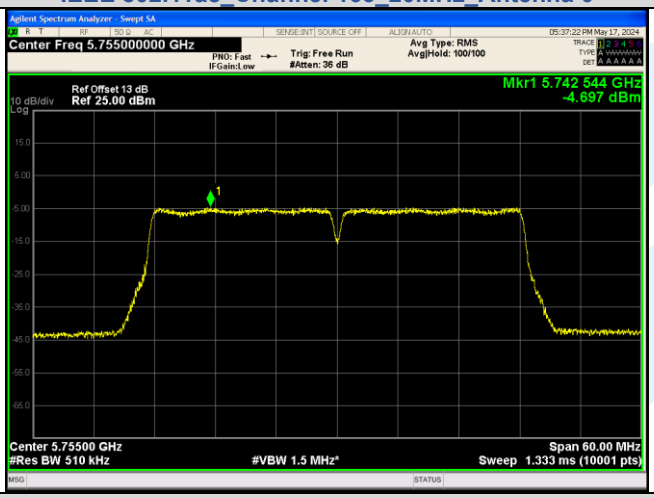
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



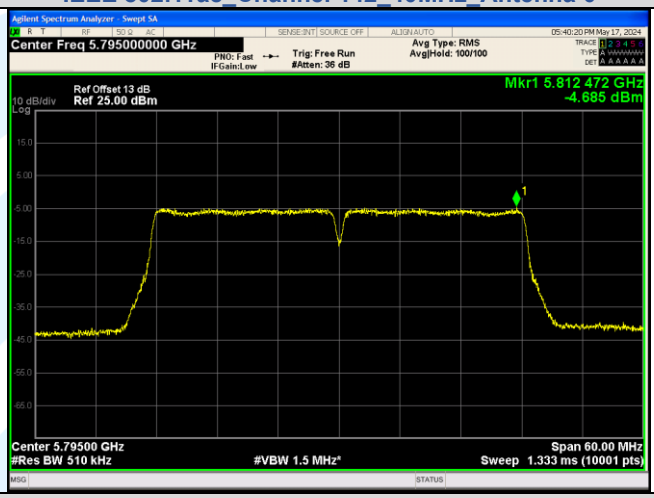
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



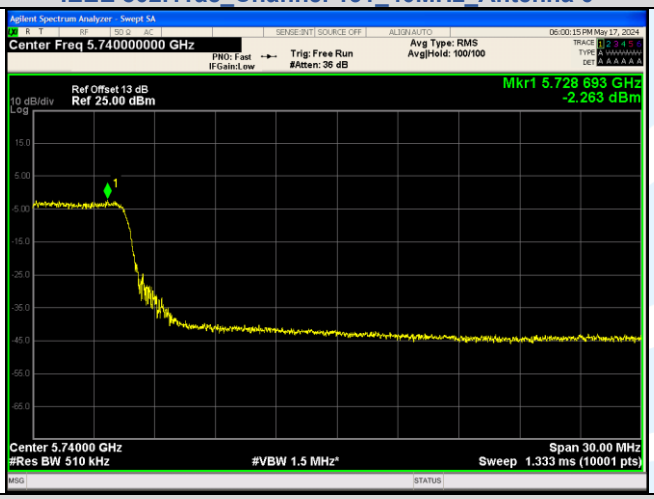
IEEE 802.11ac_Channel 142_40MHz_Antenna 0



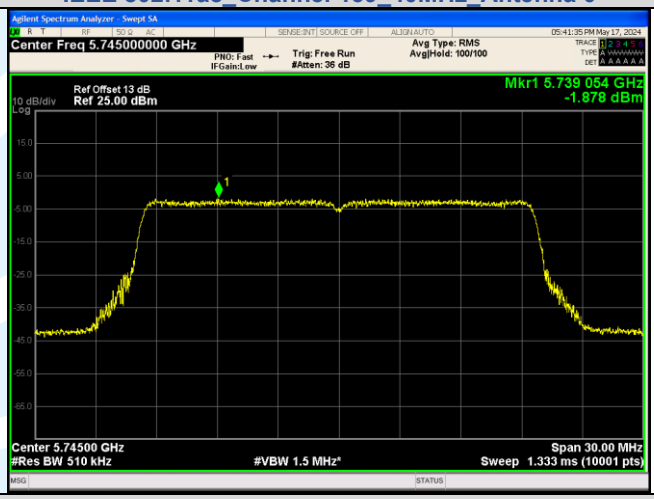
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



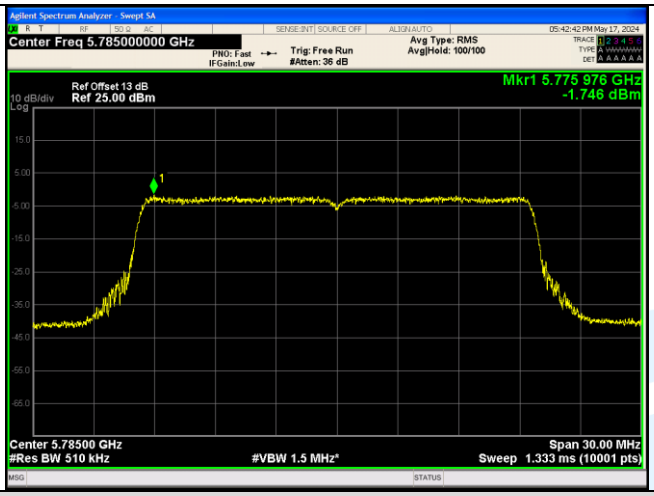
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



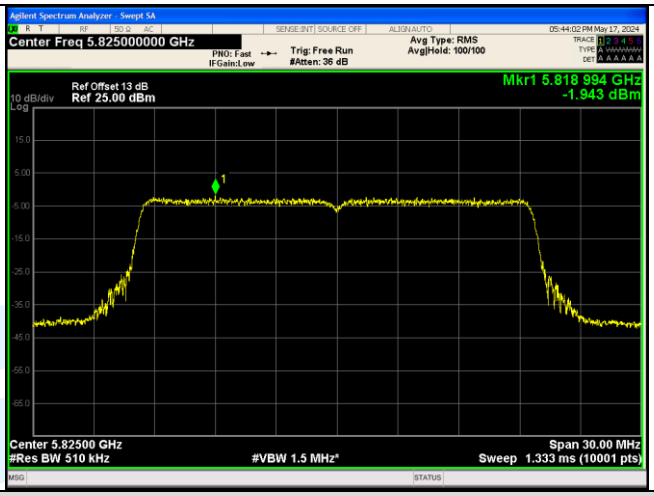
IEEE 802.11ax_Channel 144_20MHz_Antenna 0_RU&Index SU



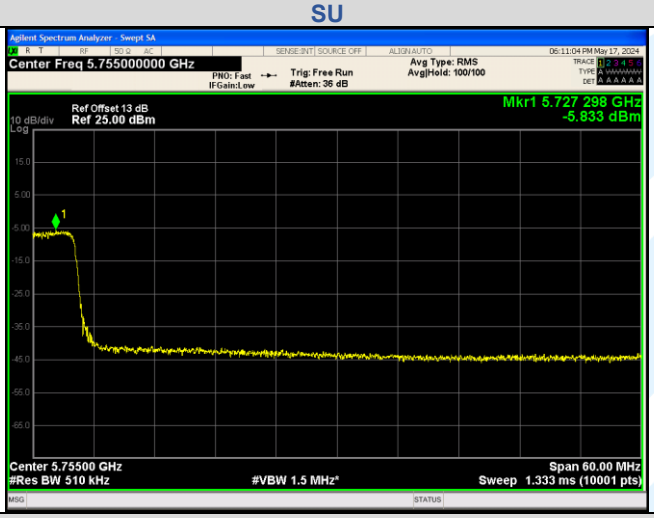
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



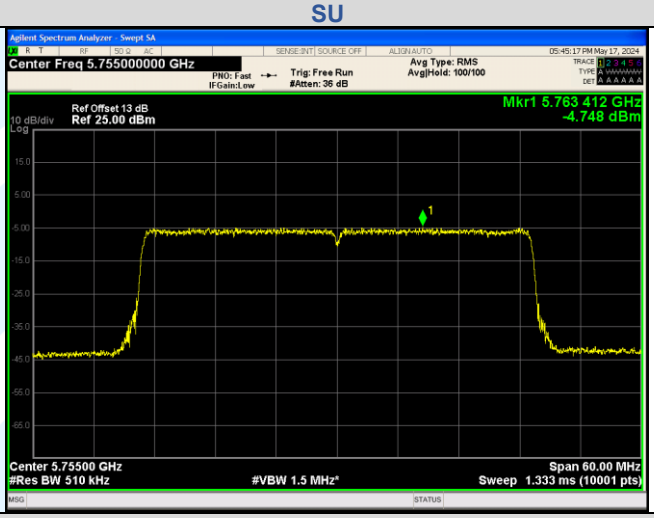
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



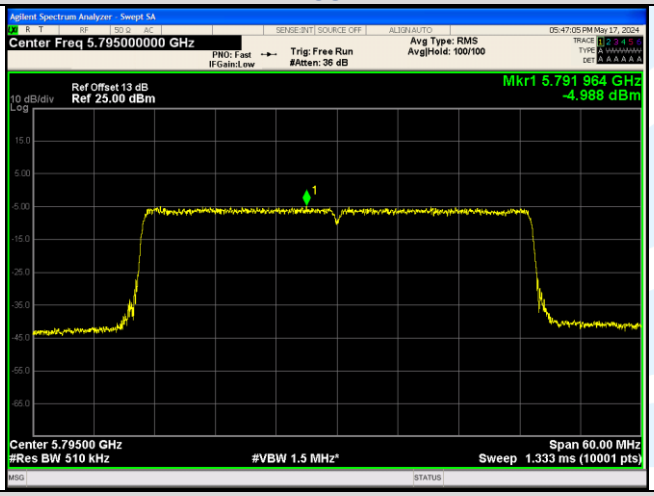
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 142_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU



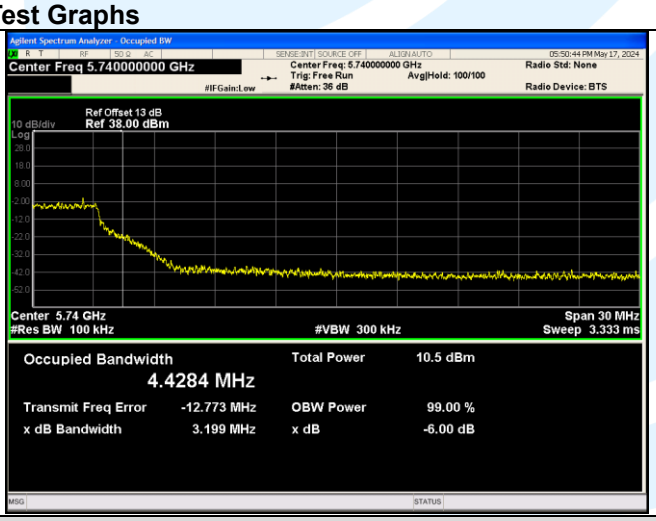
IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU

A.4 6DB BANDWIDTH

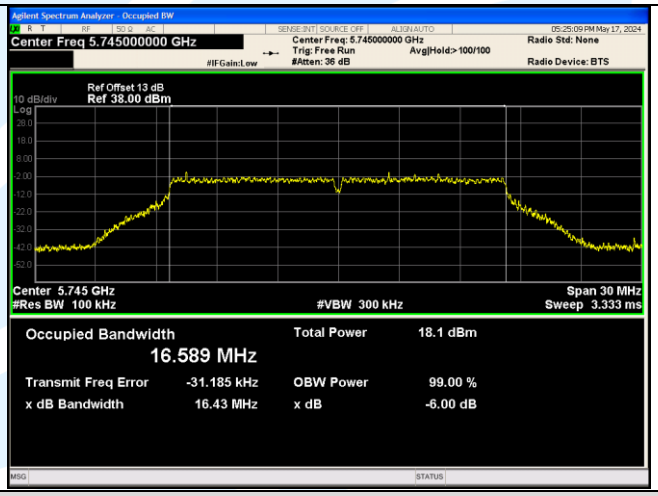
For U-NII-3 band

Mode	Channel	RU & Index	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	144	N/A	0	5740	3.199	0.5	PASS
	149			5745	16.43		PASS
	157			5785	16.44		PASS
	165			5825	16.46		PASS
IEEE 802.11n_20	144			5740	3.785		PASS
	149			5745	17.67		PASS
	157			5785	17.74		PASS
	165			5825	17.68		PASS
IEEE 802.11n_40	142			5755	3.155		PASS
	151			5755	36.34		PASS
	159			5795	36.34		PASS
IEEE 802.11ac_20	144			5740	3.886		PASS
	149			5745	17.62		PASS
	157			5785	17.66		PASS
	165			5825	17.67		PASS
IEEE 802.11ac_40	142			5755	3.265		PASS
	151			5755	36.38		PASS
	159			5795	36.41		PASS
IEEE 802.11ax_20	144	SU		5740	4.506		PASS
	149			5745	19.07		PASS
	157			5785	19.00		PASS
	165			5825	18.98		PASS
IEEE 802.11ax_40	142			5755	4.023		PASS
	151			5755	38.00		PASS
	159			5795	38.04		PASS

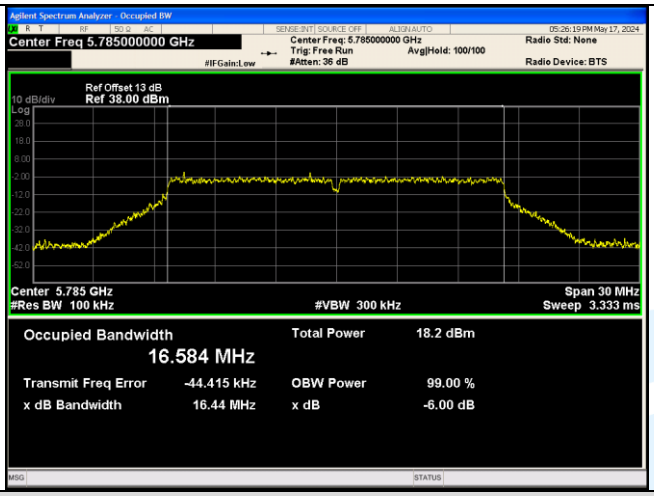
Test Graphs



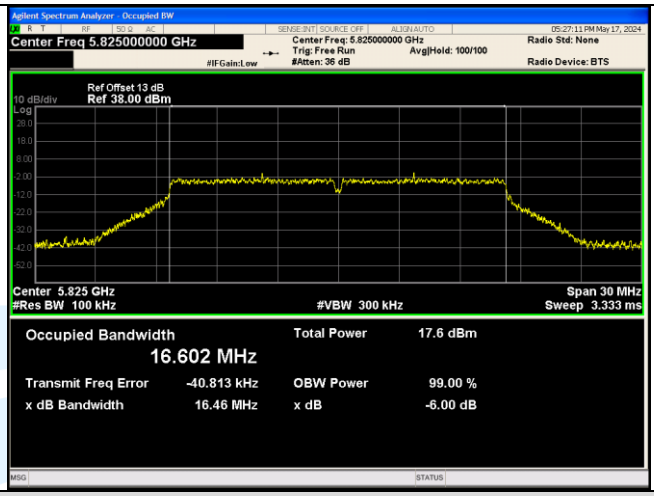
IEEE 802.11a_Channel 144_20MHz_Antenna 0



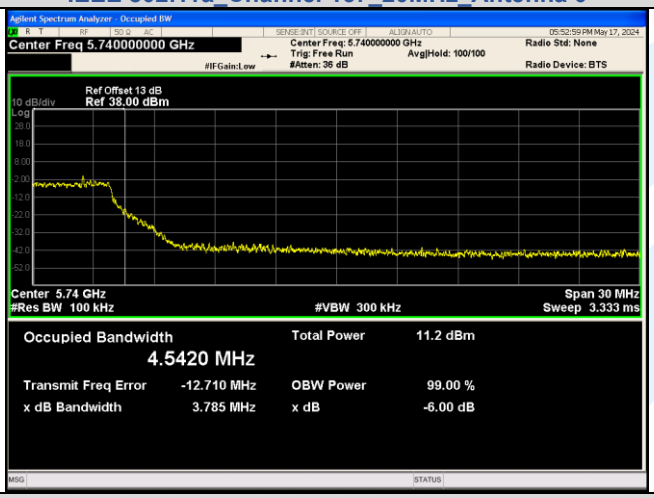
IEEE 802.11a_Channel 149_20MHz_Antenna 0



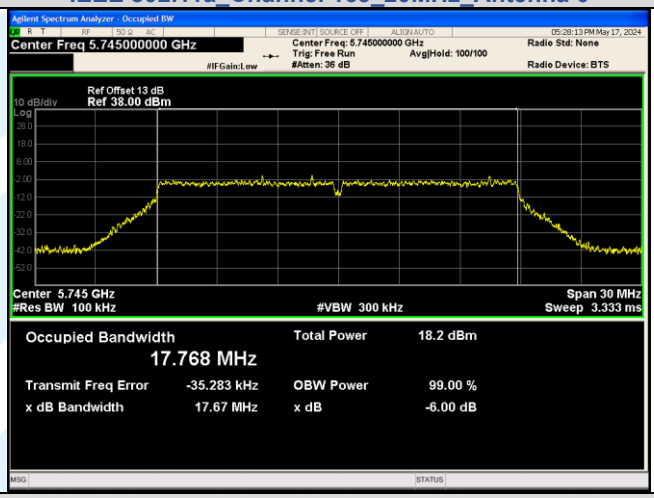
IEEE 802.11a_Channel 157_20MHz_Antenna 0



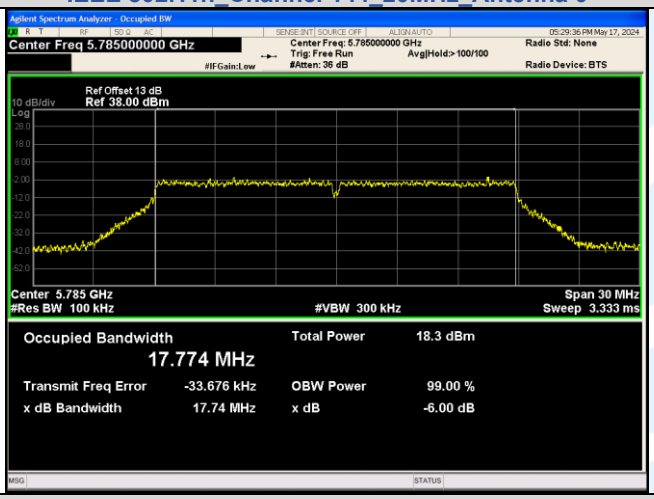
IEEE 802.11a_Channel 165_20MHz_Antenna 0



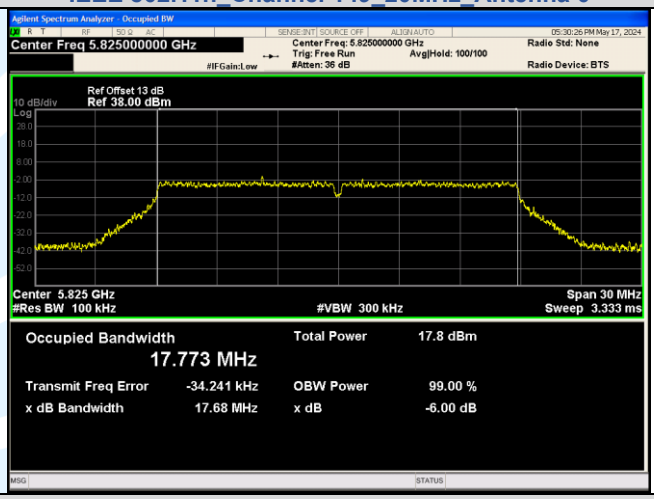
IEEE 802.11n_Channel 144_20MHz_Antenna 0



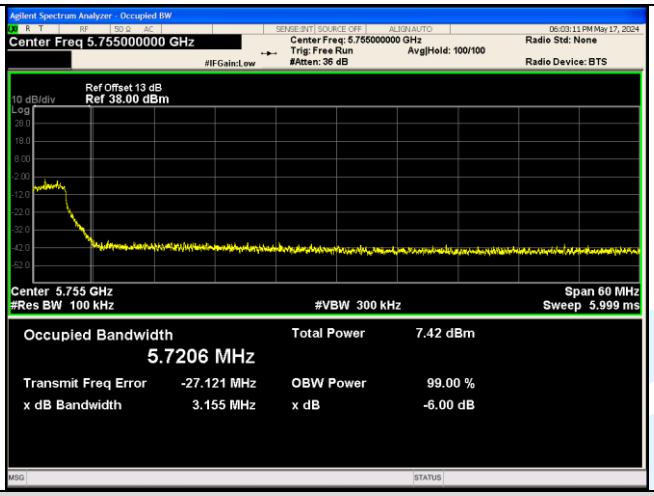
IEEE 802.11n_Channel 149_20MHz_Antenna 0



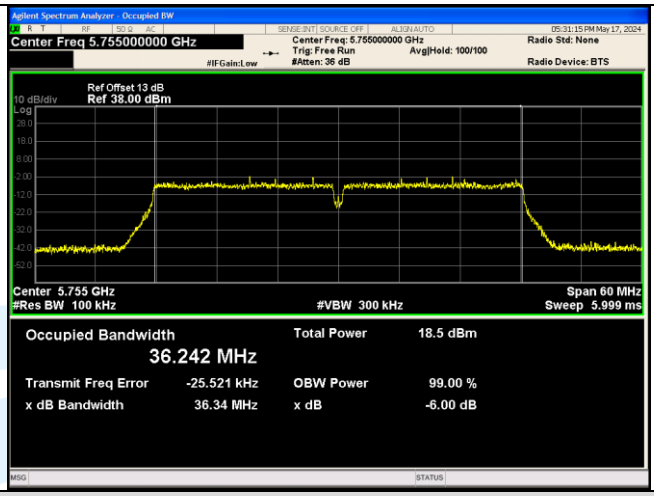
IEEE 802.11n_Channel 157_20MHz_Antenna 0



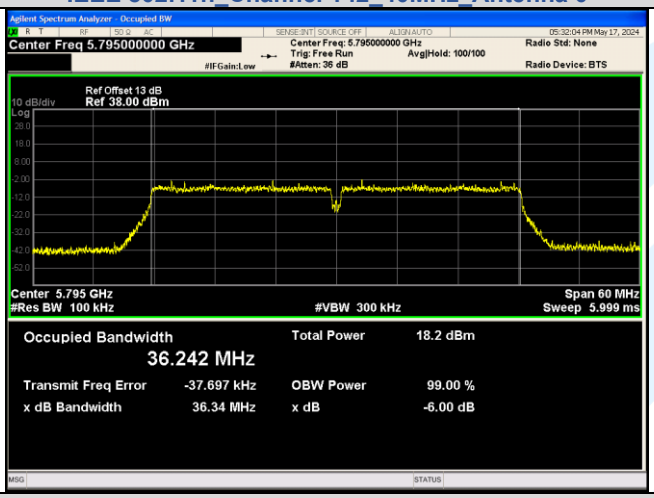
IEEE 802.11n_Channel 165_20MHz_Antenna 0



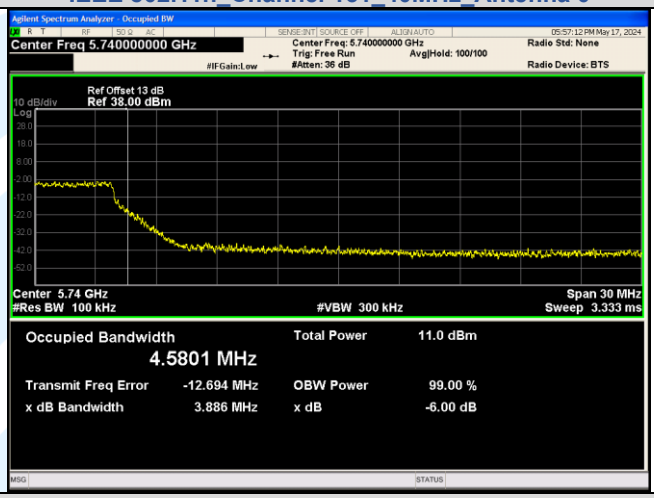
IEEE 802.11n_Channel 142_40MHz_Antenna 0



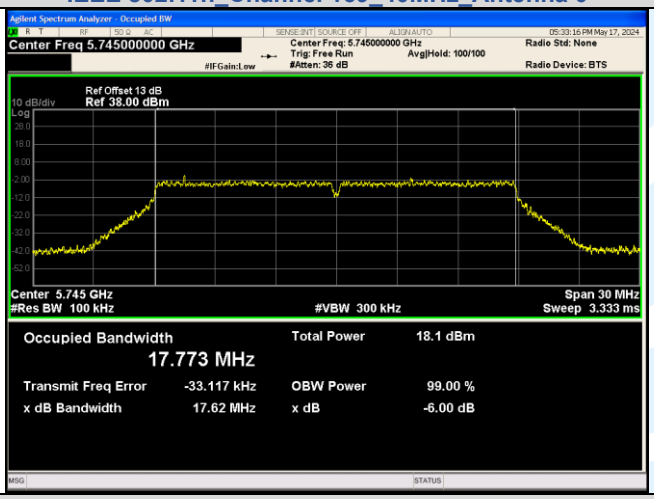
IEEE 802.11n_Channel 151_40MHz_Antenna 0



IEEE 802.11n_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 144_20MHz_Antenna 0



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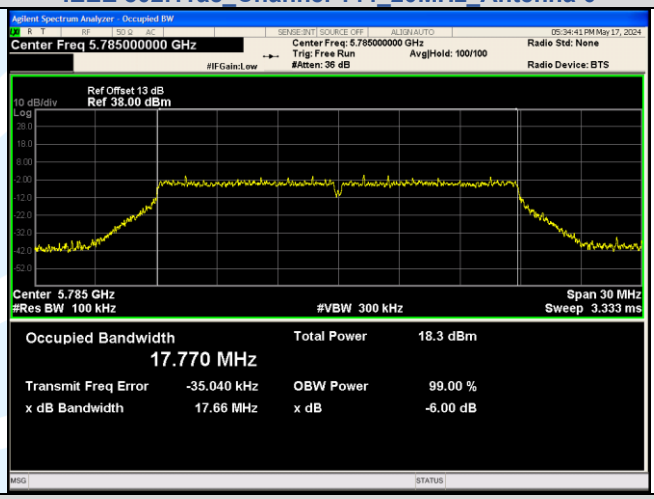

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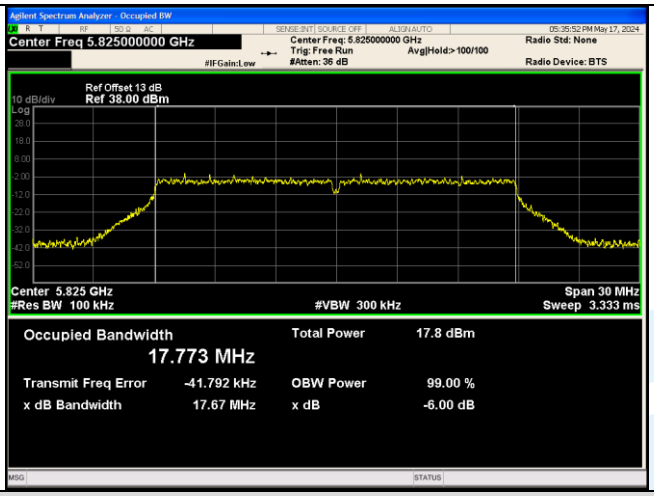
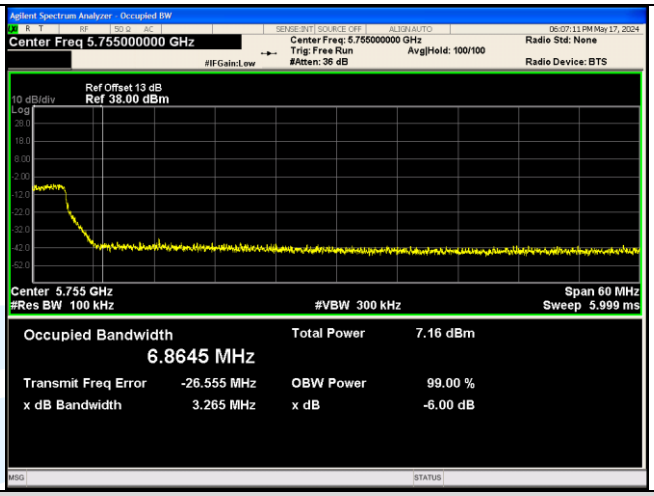
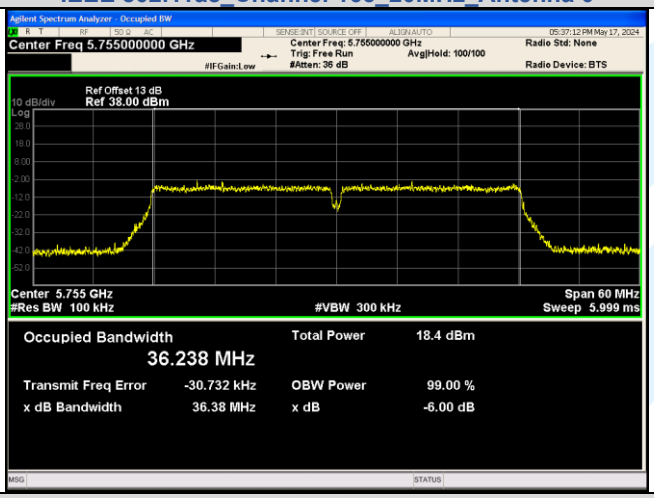


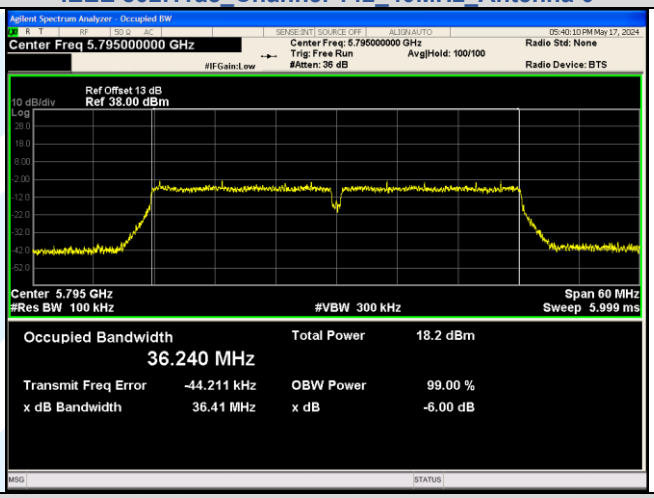
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



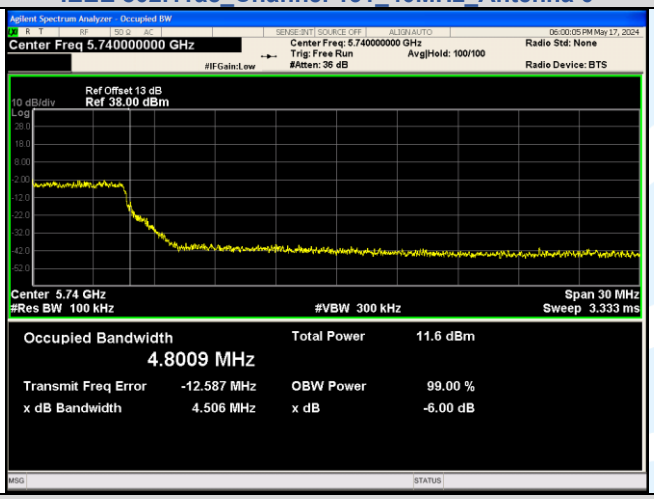
IEEE 802.11ac_Channel 142_40MHz_Antenna 0



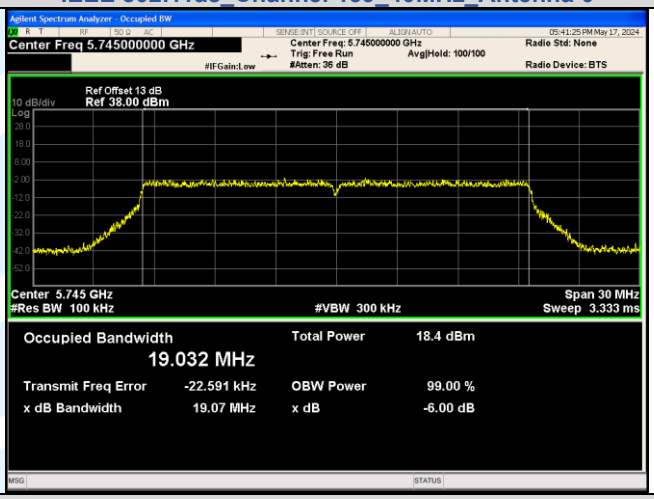
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



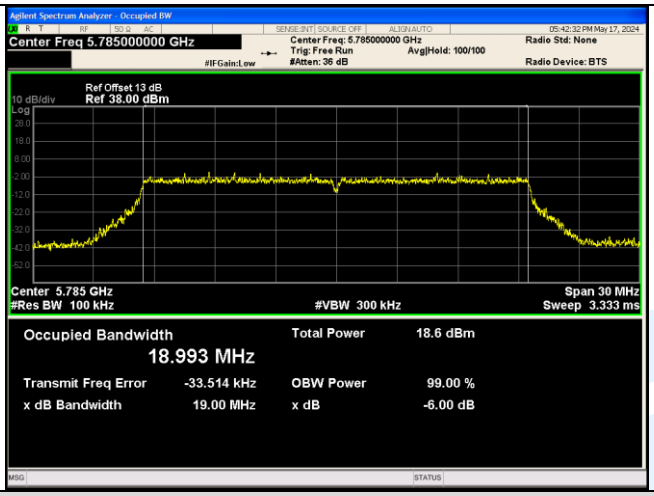
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



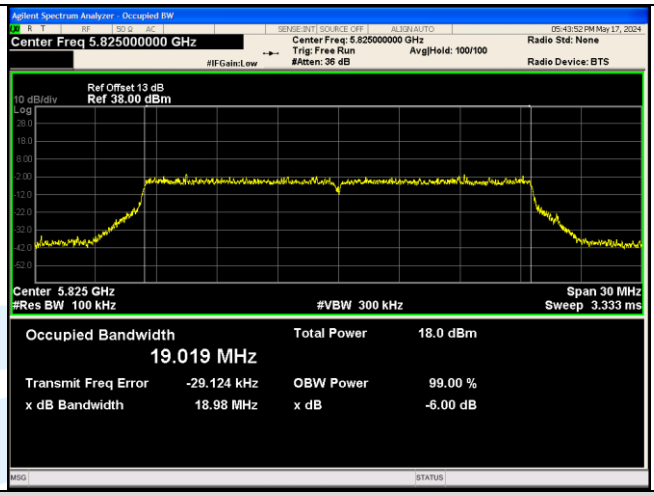
IEEE 802.11ax_Channel 144_20MHz_Antenna 0_RU&Index SU



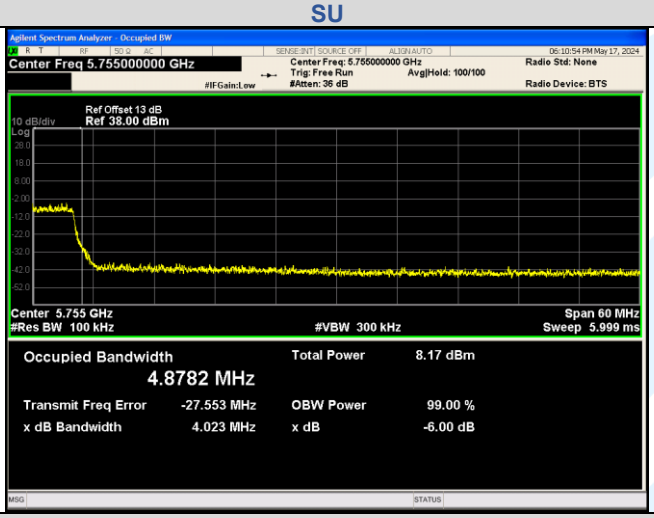
IEEE 802.11ax_Channel 149_20MHz_Antenna 0_RU&Index SU



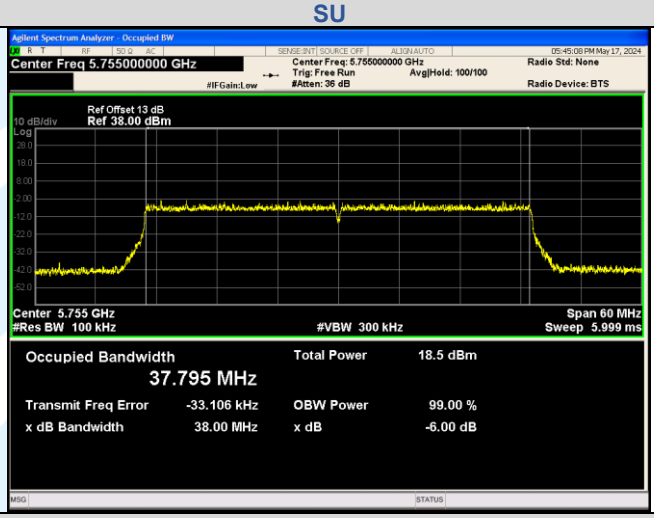
IEEE 802.11ax_Channel 157_20MHz_Antenna 0_RU&Index SU



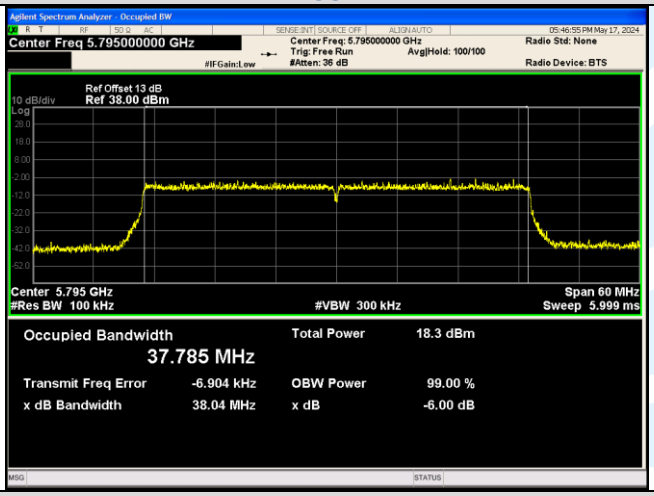
IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 142_40MHz_Antenna 0_RU&Index SU



IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index SU

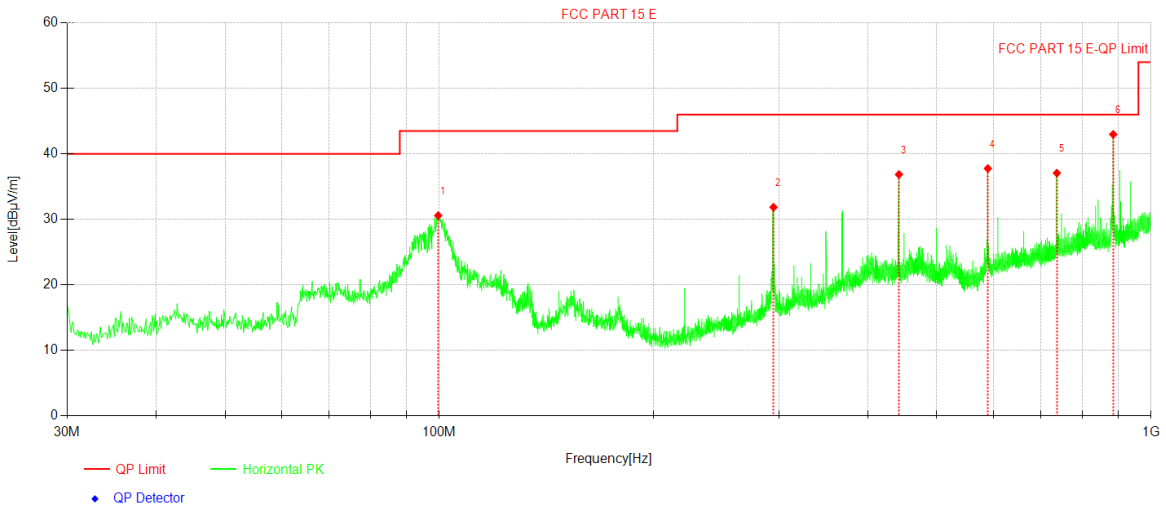


IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index SU

A.5 RADIATED EMISSIONS AND BAND EDGE MEASUREMENT

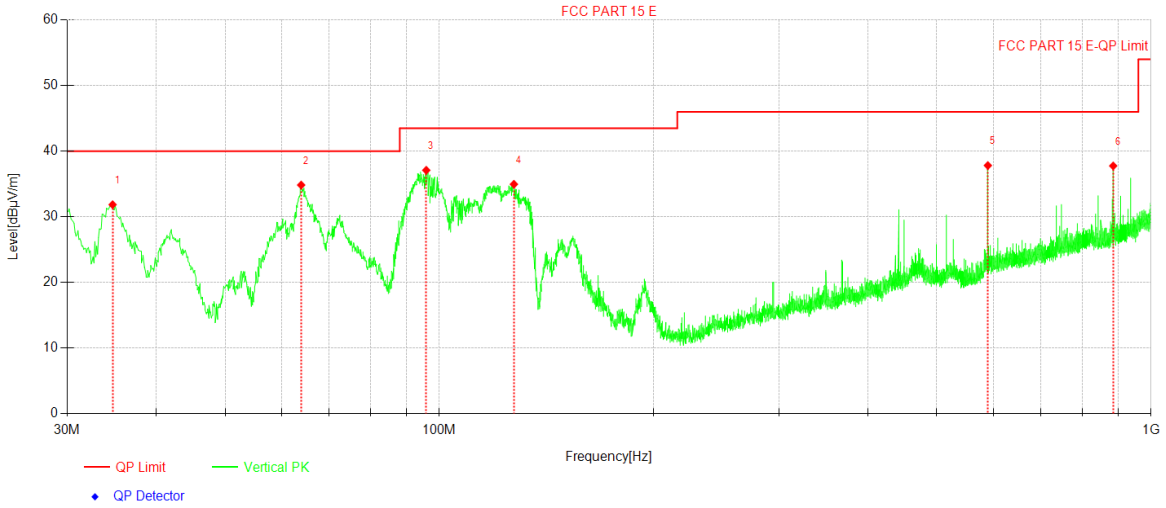
Radiated Emission Test Data (30 MHz ~ 1 GHz):
Worst-Case Configuration(IEEE 802.11a- Channel 36)

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	99.653	43.27	-12.69	30.58	43.50	12.92	Peak
2	294.8365	38.97	-7.12	31.85	46.00	14.15	Peak
3	442.3882	39.84	-2.99	36.85	46.00	9.15	Peak
4	589.843	38.16	-0.39	37.77	46.00	8.23	Peak
5	737.2977	34.02	3.05	37.07	46.00	8.93	Peak
6	884.7524	38.31	4.67	42.98	46.00	3.02	Peak

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correction factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	34.7535	41.21	-9.36	31.85	40.00	8.15	QP
2	63.9534	44.05	-9.21	34.84	40.00	5.16	QP
3	95.8696	50.33	-13.24	37.09	43.50	6.41	QP
4	127.3007	44.63	-9.67	34.96	43.50	8.54	QP
5	589.843	38.21	-0.39	37.82	46.00	8.18	QP
6	884.7525	33.09	4.67	37.76	46.00	8.24	QP