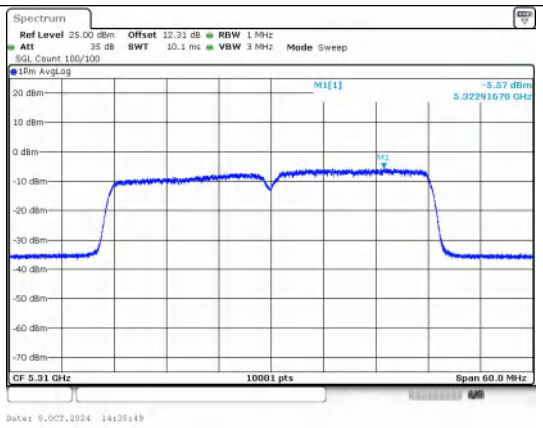
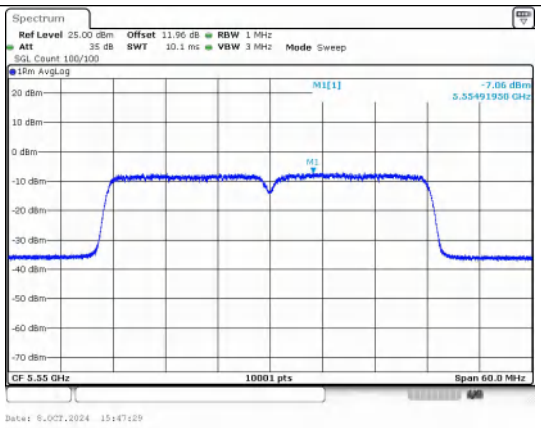
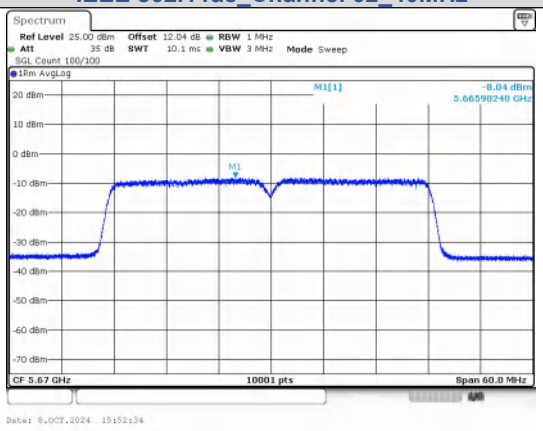


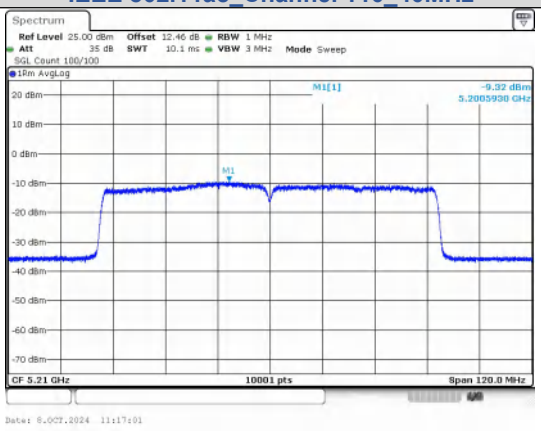
IEEE 802.11ac_Channel 62_40MHz



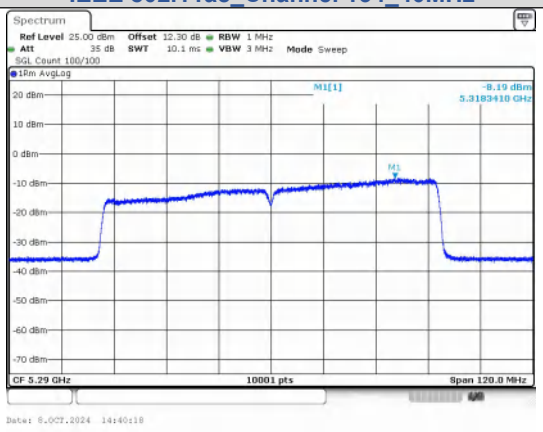
IEEE 802.11ac_Channel 110_40MHz



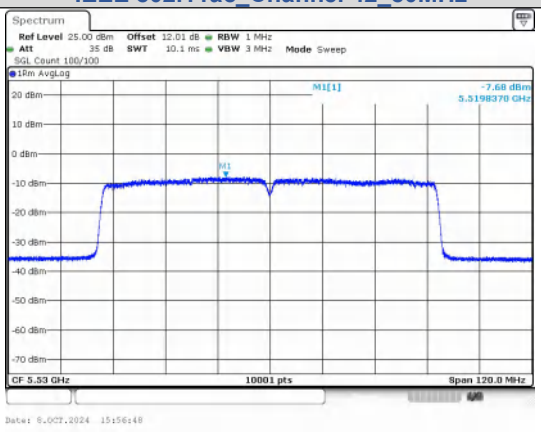
IEEE 802.11ac_Channel 134_40MHz



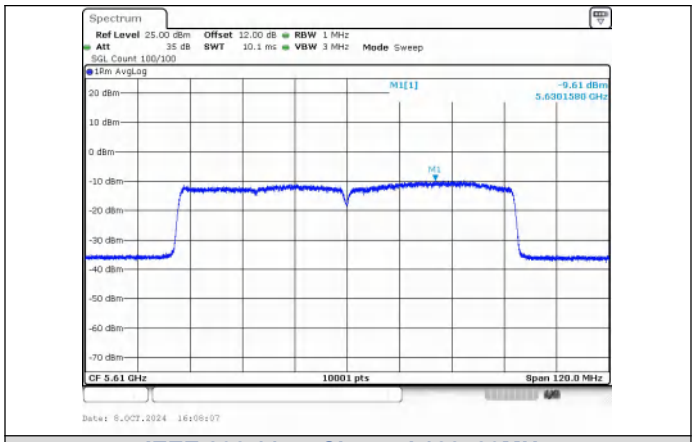
IEEE 802.11ac_Channel 42_80MHz



IEEE 802.11ac_Channel 58_80MHz



IEEE 802.11ac_Channel 106_80MHz



IEEE 802.11ac_Channel 122_80MHz

MIMO

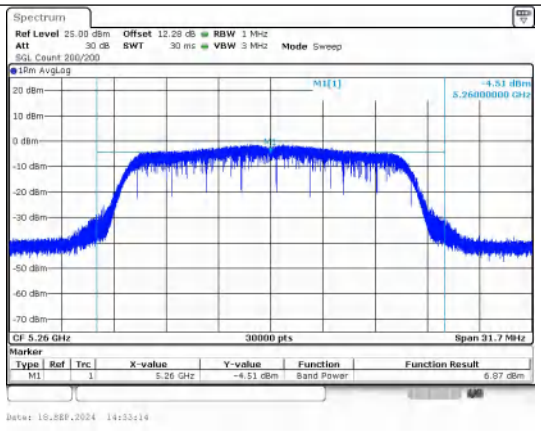
Mode	Channel	Ant. 1 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 2 Meas PSD (dBm/MHz or dBm/0.5MHz)	MIMO Meas PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11n_20	36	-3.78	-2.55	-0.11	11	PASS
	40	-1.56	-1.84	1.31		PASS
	48	-5.70	-3.38	-1.38		PASS
	52	0.32	-2.90	2.01		PASS
	60	0.23	-2.49	2.09		PASS
	64	-7.25	-2.25	-1.06		PASS
	100	-1.82	-1.61	1.30		PASS
	116	-1.53	-2.05	1.23		PASS
	140	-2.73	-4.14	-0.37		PASS
IEEE 802.11n_40	38	-4.55	-4.29	-1.41		PASS
	46	-6.48	-7.41	-3.91		PASS
	54	-0.67	-5.58	0.55		PASS
	62	-5.45	-7.92	-3.50		PASS
	110	-3.18	-5.75	-1.27		PASS
	134	-7.39	-6.02	-3.64		PASS
IEEE 802.11ac_20	36	-4.53	-1.57	0.21		PASS
	40	-2.61	-2.52	0.45		PASS
	48	-2.63	-3.39	0.02		PASS
	52	-3.44	-3.40	-0.41		PASS
	60	-1.75	-3.33	0.54		PASS
	64	-1.18	0.45	2.72		PASS
	100	-1.40	-1.01	1.81		PASS
	116	-1.75	-3.00	0.68		PASS
	140	-3.39	-2.32	0.19		PASS
IEEE 802.11ac_40	38	-6.66	-6.44	-3.54		PASS
	46	-6.29	-7.15	-3.69		PASS
	54	-5.52	-6.23	-2.85		PASS
	62	-5.46	-5.57	-2.50		PASS
	110	-4.91	-7.06	-2.84		PASS
	134	-8.61	-8.04	-5.31		PASS
IEEE 802.11ac_80	42	-9.27	-9.32	-6.28		PASS
	58	-8.41	-8.19	-5.29		PASS
	106	-7.36	-7.68	-4.51		PASS
	122	-9.49	-9.61	-6.54		PASS

Conducted AVG Output Power for 5.3G and 5.5G

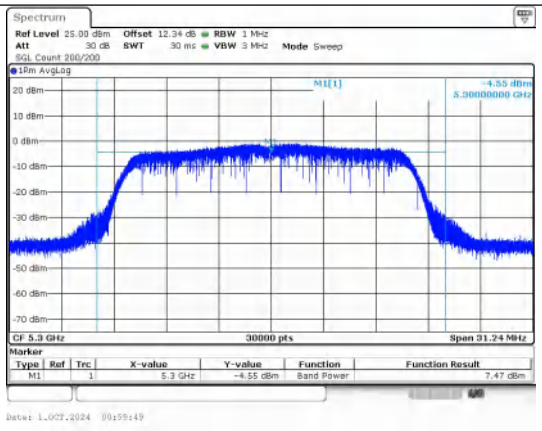
ANT1:

Conducted output power

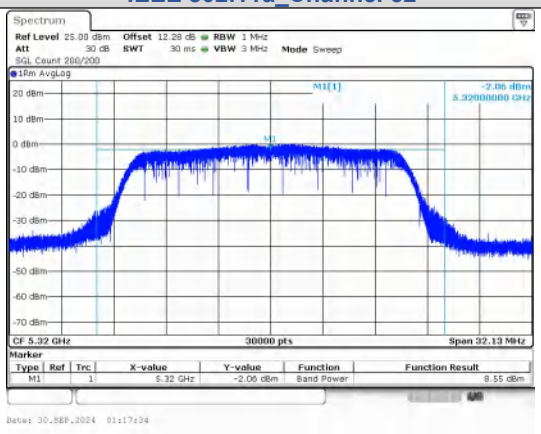
Mode	Channel	Ant. 1 (dBm)	Limit (dBm)	Result
IEEE 802.11a	52	6.87	≤24	PASS
	60	7.47	≤24	PASS
	64	8.55	≤24	PASS
	100	9.02	≤24	PASS
	116	6.80	≤24	PASS
	140	6.92	≤24	PASS
IEEE 802.11n_20	52	8.32	≤24	PASS
	60	8.57	≤24	PASS
	64	5.67	≤24	PASS
	100	8.90	≤24	PASS
	116	8.62	≤24	PASS
	140	6.61	≤24	PASS
IEEE 802.11n_40	54	9.19	≤24	PASS
	62	8.34	≤24	PASS
	110	8.88	≤24	PASS
	134	6.56	≤24	PASS
IEEE 802.11ac_20	52	6.48	≤24	PASS
	60	7.95	≤24	PASS
	64	8.41	≤24	PASS
	100	8.70	≤24	PASS
	116	8.42	≤24	PASS
	140	6.44	≤24	PASS
IEEE 802.11ac_40	54	7.45	≤24	PASS
	62	8.35	≤24	PASS
	110	7.81	≤24	PASS
	134	7.44	≤24	PASS
IEEE 802.11ac_80	58	7.87	≤24	PASS
	106	7.93	≤24	PASS
	122	7.14	≤24	PASS



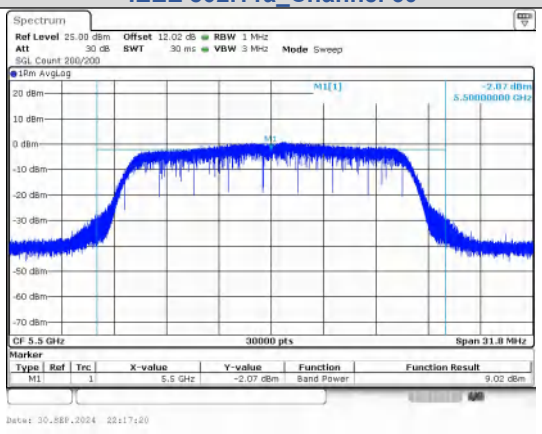
Conducted AVG output power
IEEE 802.11a_Channel 52



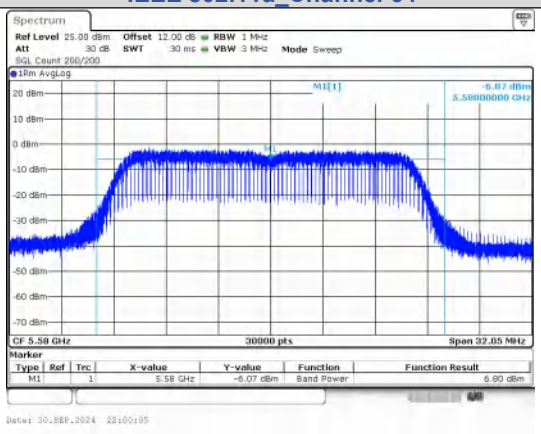
Conducted AVG output power
IEEE 802.11a_Channel 60



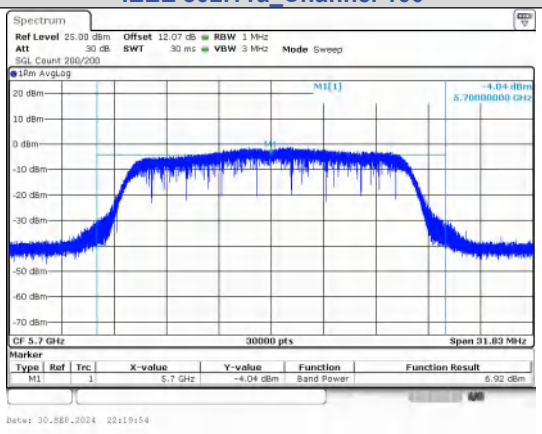
Conducted AVG output power
IEEE 802.11a_Channel 64



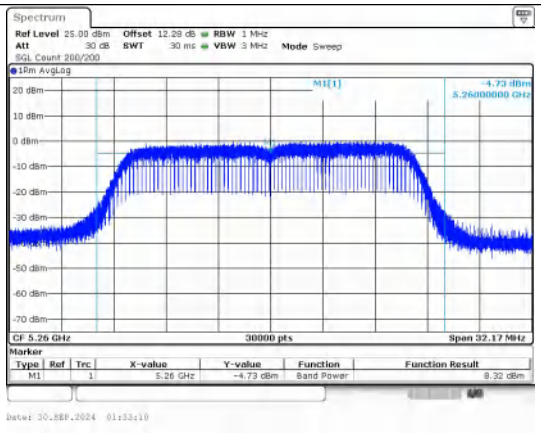
Conducted AVG output power
IEEE 802.11a_Channel 100



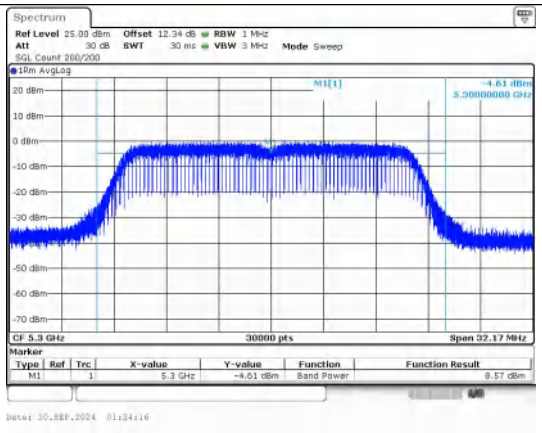
Conducted AVG output power
IEEE 802.11a_Channel 116



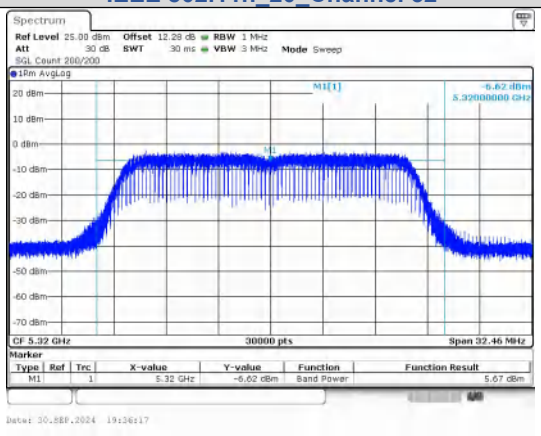
Conducted AVG output power
IEEE 802.11a_Channel 140



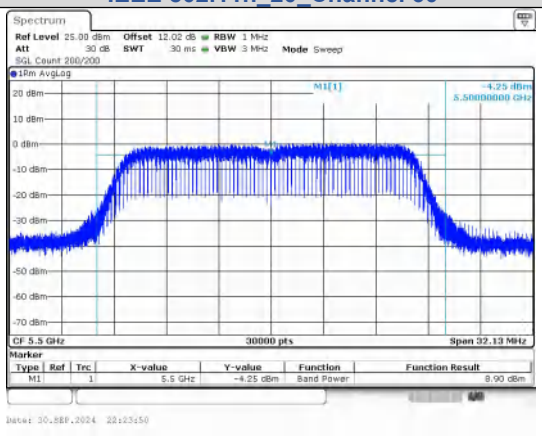
Conducted AVG output power
IEEE 802.11n_20_Channel 52



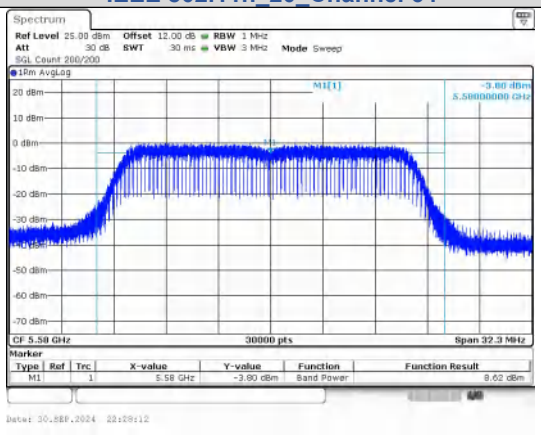
Conducted AVG output power
IEEE 802.11n_20_Channel 60



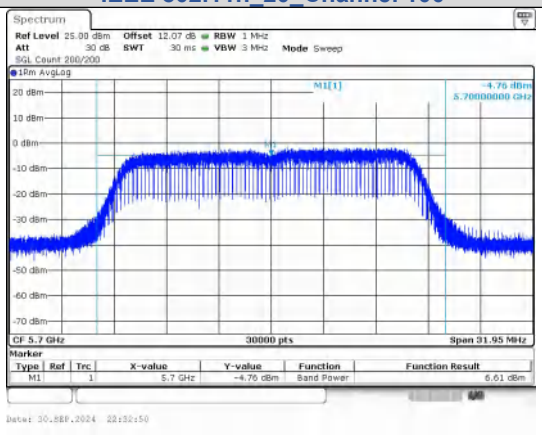
Conducted AVG output power
IEEE 802.11n_20_Channel 64



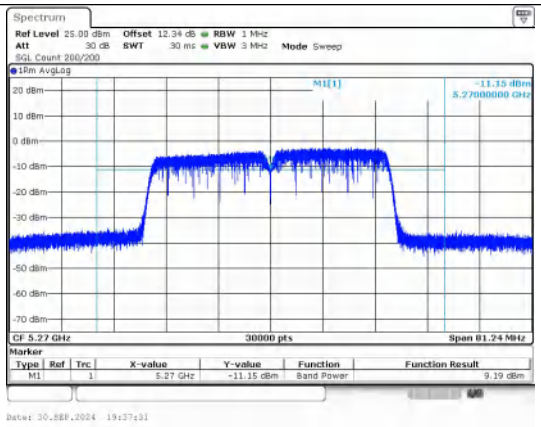
Conducted AVG output power
IEEE 802.11n_20_Channel 100



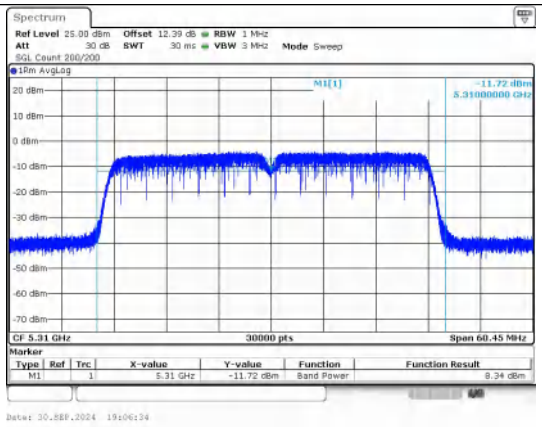
Conducted AVG output power
IEEE 802.11n_20_Channel 116



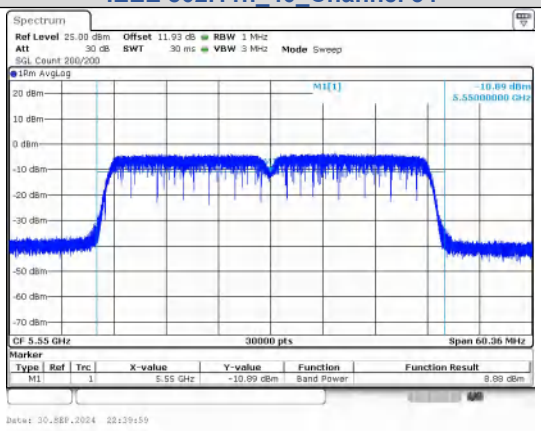
Conducted AVG output power
IEEE 802.11n_20_Channel 140



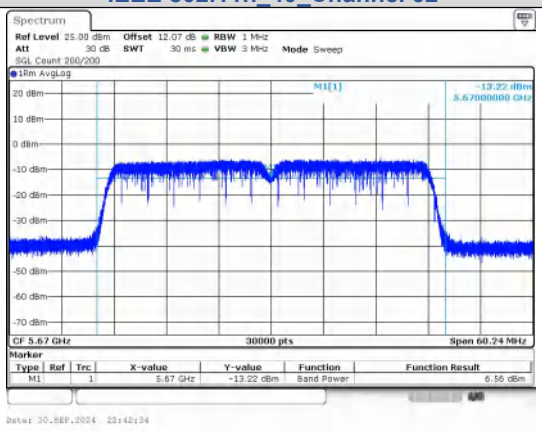
Conducted AVG output power
IEEE 802.11n_40_Channel 54



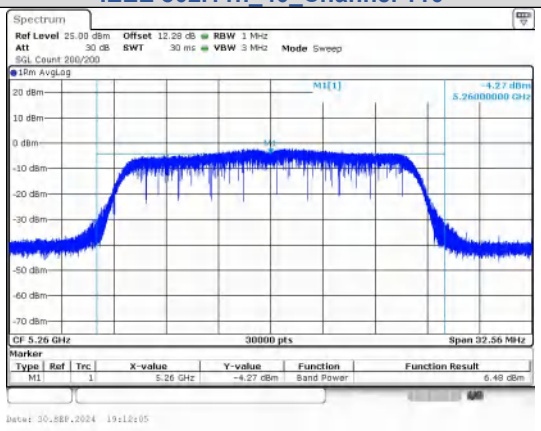
Conducted AVG output power
IEEE 802.11n_40_Channel 62



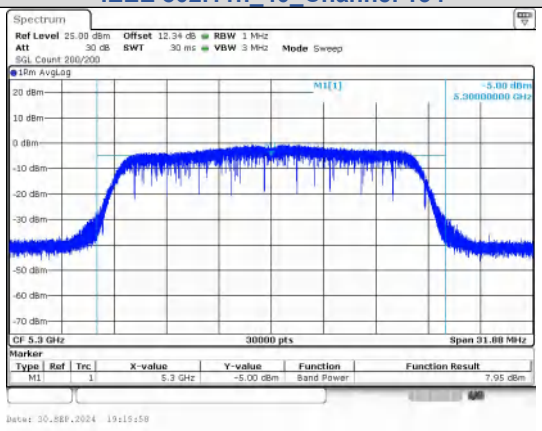
Conducted AVG output power
IEEE 802.11n_40_Channel 110



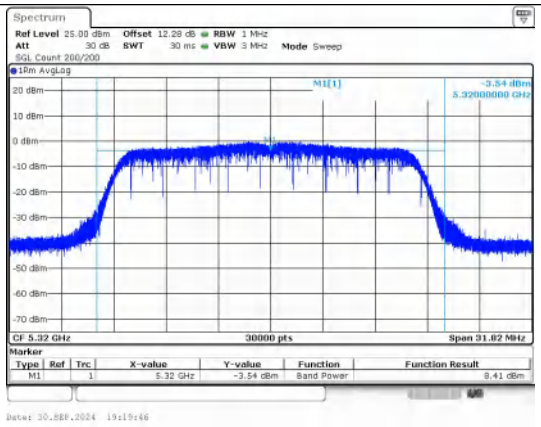
Conducted AVG output power
IEEE 802.11n_40_Channel 134



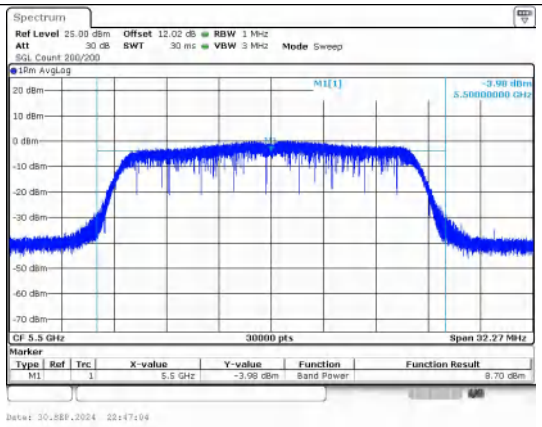
Conducted AVG output power
IEEE 802.11ac_20_Channel 52



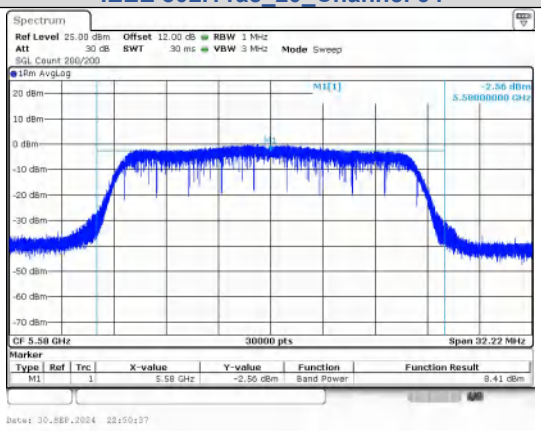
Conducted AVG output power
IEEE 802.11ac_20_Channel 60



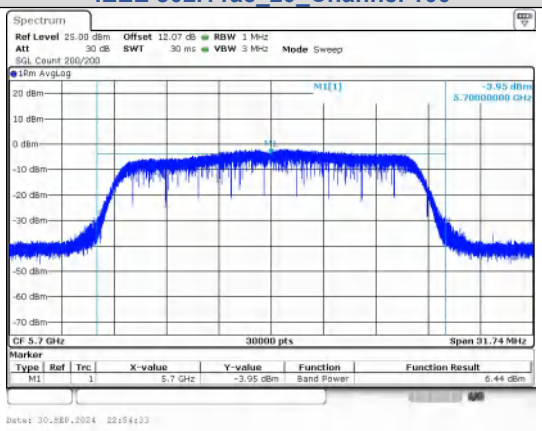
Conducted AVG output power
IEEE 802.11ac_20_Channel 64



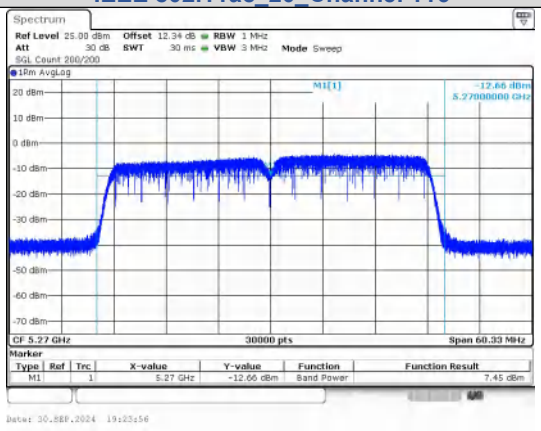
Conducted AVG output power
IEEE 802.11ac_20_Channel 100



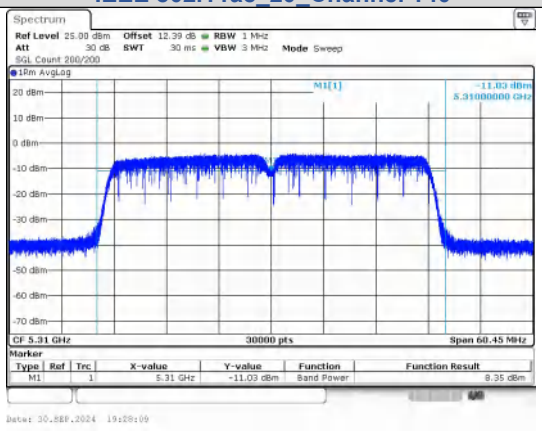
Conducted AVG output power
IEEE 802.11ac_20_Channel 116



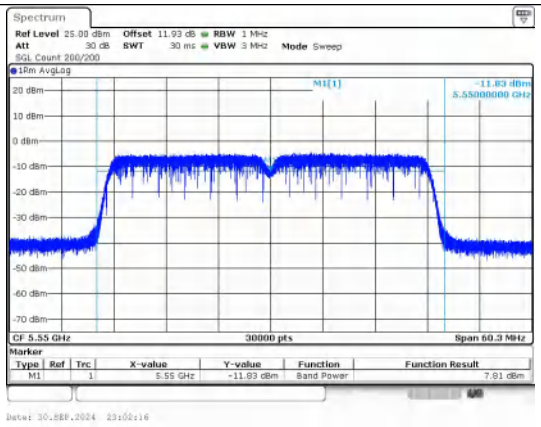
Conducted AVG output power
IEEE 802.11ac_20_Channel 140



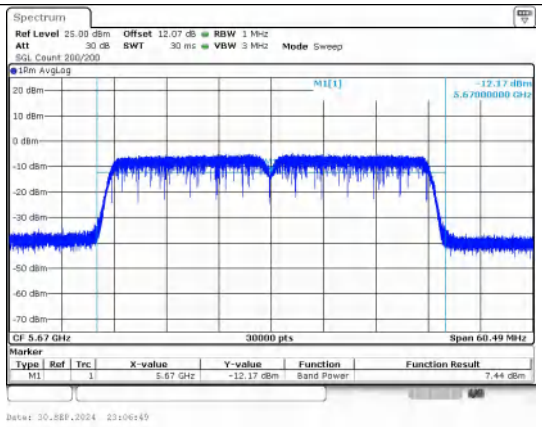
Conducted AVG output power
IEEE 802.11ac_40_Channel 54



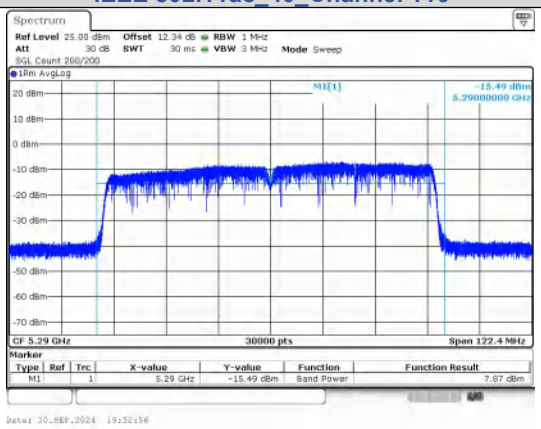
Conducted AVG output power
IEEE 802.11ac_40_Channel 62



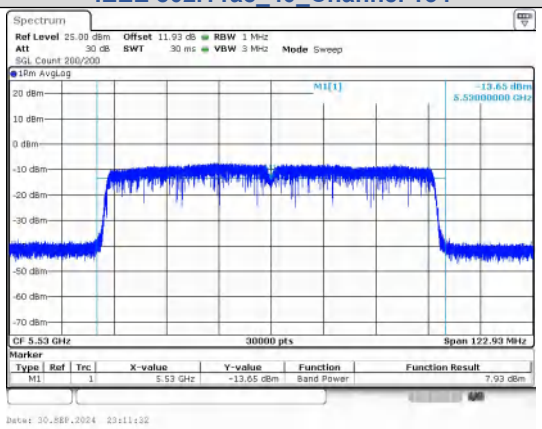
Conducted AVG output power
IEEE 802.11ac_40_Channel 110



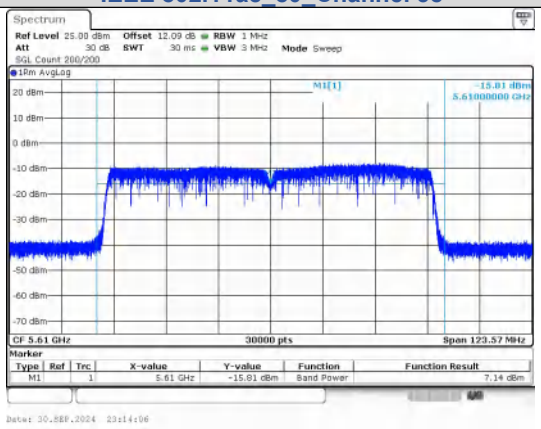
Conducted AVG output power
IEEE 802.11ac_40_Channel 134



Conducted AVG output power
IEEE 802.11ac_80_Channel 58



Conducted AVG output power
IEEE 802.11ac_80_Channel 106

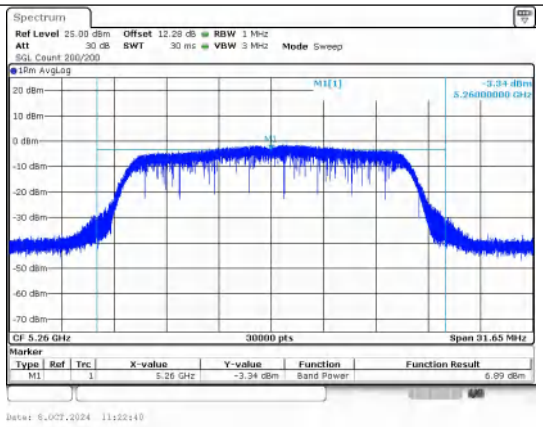


Conducted AVG output power
IEEE 802.11ac_80_Channel 122

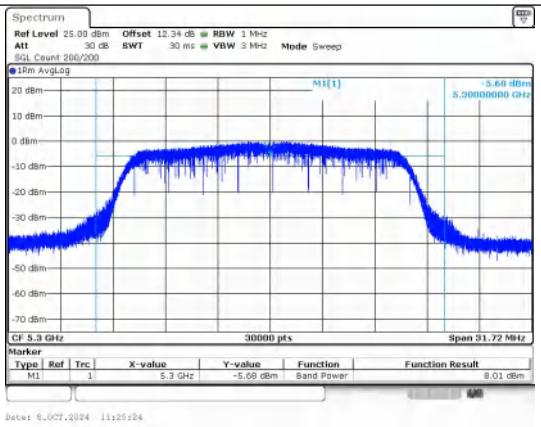
ANT2:

Conducted output power

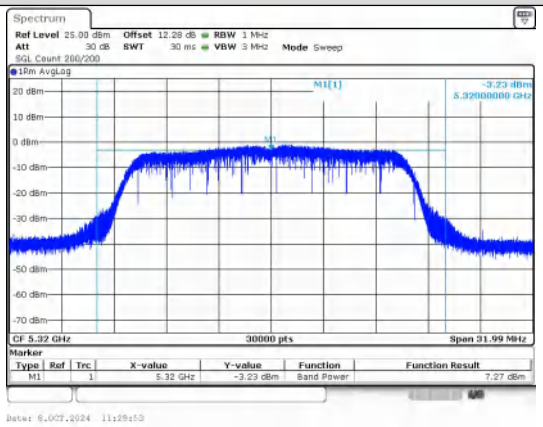
Mode	Channel	Ant. 2 (dBm)	Limit (dBm)	Result
IEEE 802.11a	52	6.89	≤24	PASS
	60	8.01	≤24	PASS
	64	7.27	≤24	PASS
	100	7.53	≤24	PASS
	116	7.86	≤24	PASS
	140	6.35	≤24	PASS
IEEE 802.11n_20	52	7.06	≤24	PASS
	60	7.25	≤24	PASS
	64	6.85	≤24	PASS
	100	8.01	≤24	PASS
	116	7.77	≤24	PASS
	140	6.28	≤24	PASS
IEEE 802.11n_40	54	8.10	≤24	PASS
	62	7.66	≤24	PASS
	110	8.19	≤24	PASS
	134	8.00	≤24	PASS
IEEE 802.11ac_20	52	7.860	≤24	PASS
	60	6.31	≤24	PASS
	64	8.15	≤24	PASS
	100	8.96	≤24	PASS
	116	7.15	≤24	PASS
	140	7.48	≤24	PASS
IEEE 802.11ac_40	54	6.51	≤24	PASS
	62	7.43	≤24	PASS
	110	7.13	≤24	PASS
	134	8.02	≤24	PASS
IEEE 802.11ac_80	58	6.62	≤24	PASS
	106	8.51	≤24	PASS
	122	6.72	≤24	PASS



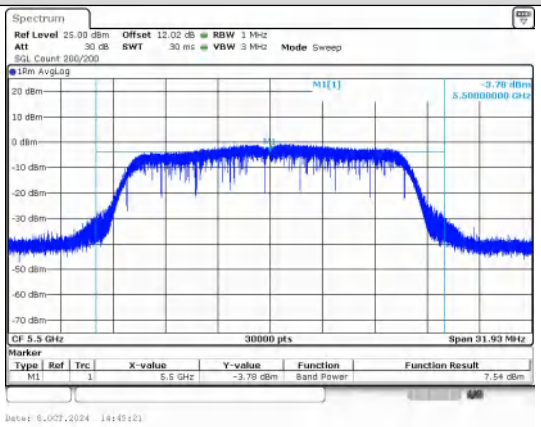
Conducted AVG output power
IEEE 802.11a_Channel 52



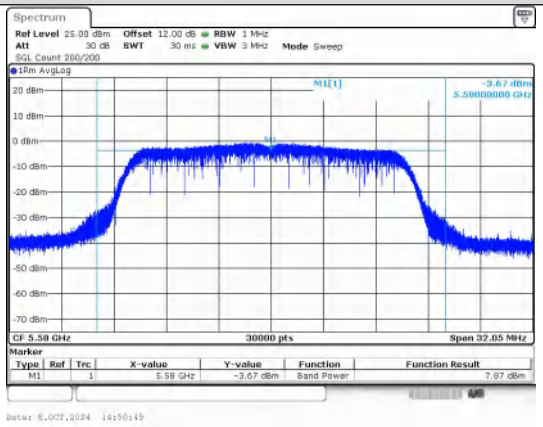
Conducted AVG output power
IEEE 802.11a_Channel 60



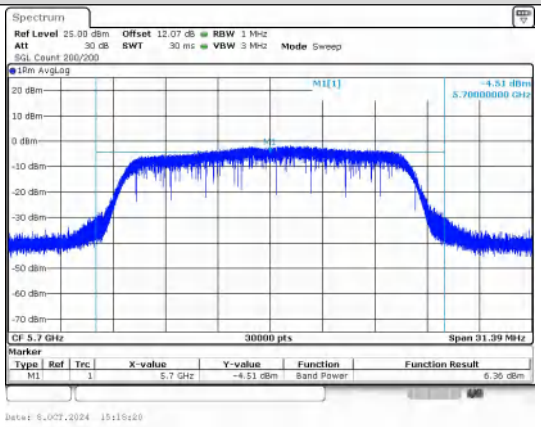
Conducted AVG output power
IEEE 802.11a_Channel 64



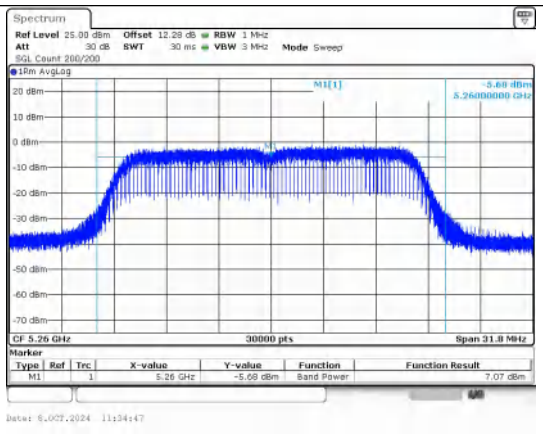
Conducted AVG output power
IEEE 802.11a_Channel 100



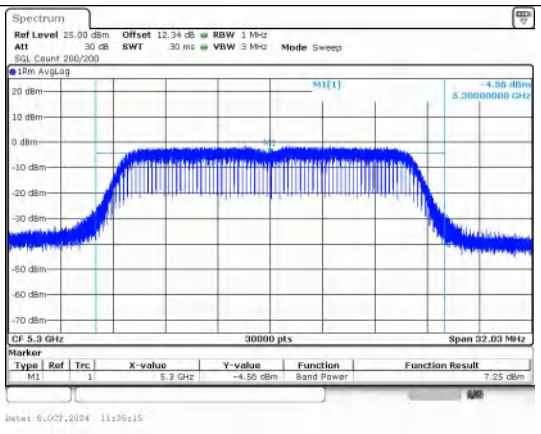
Conducted AVG output power
IEEE 802.11a_Channel 116



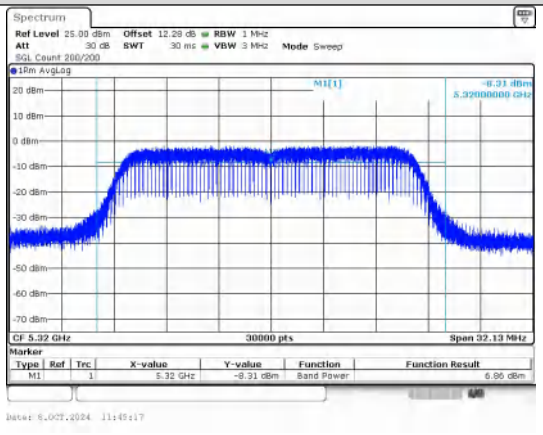
Conducted AVG output power
IEEE 802.11a_Channel 140



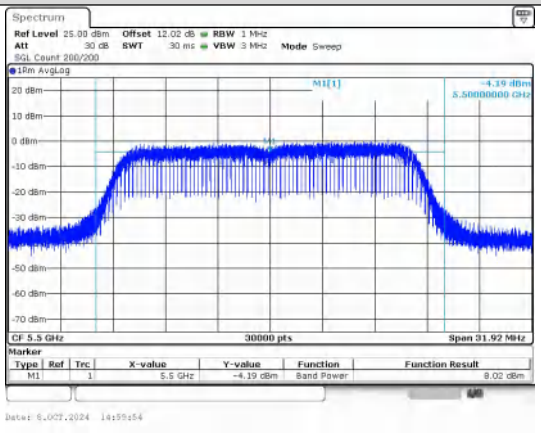
Conducted AVG output power
IEEE 802.11n_20_Channel 52



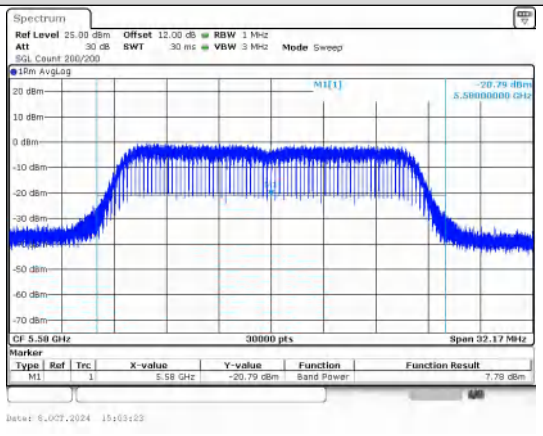
Conducted AVG output power
IEEE 802.11n_20_Channel 60



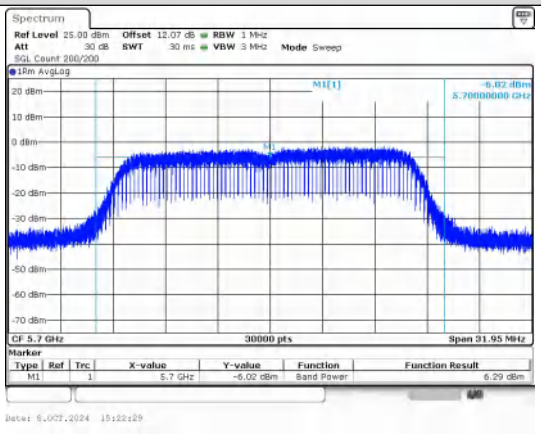
Conducted AVG output power
IEEE 802.11n_20_Channel 64



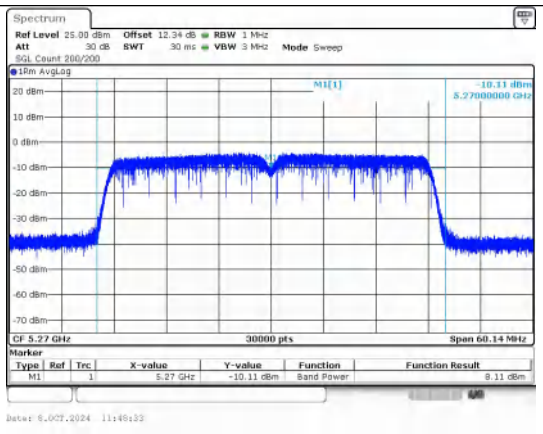
Conducted AVG output power
IEEE 802.11n_20_Channel 100



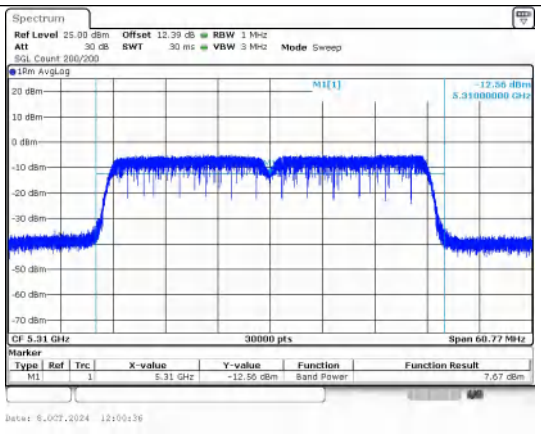
Conducted AVG output power
IEEE 802.11n_20_Channel 116



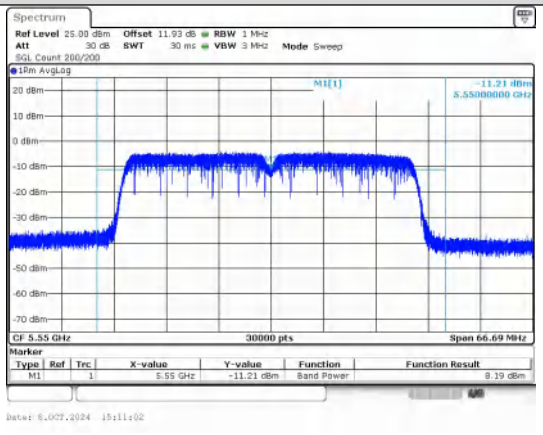
Conducted AVG output power
IEEE 802.11n_20_Channel 140



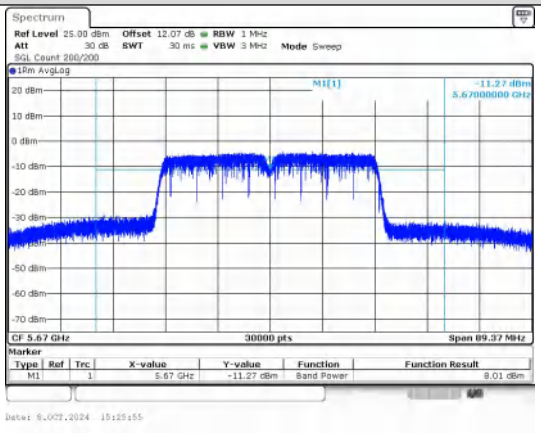
Conducted AVG output power
IEEE 802.11n_40_Channel 54



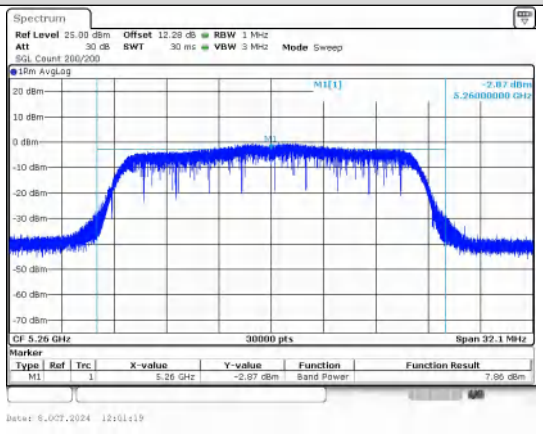
Conducted AVG output power
IEEE 802.11n_40_Channel 62



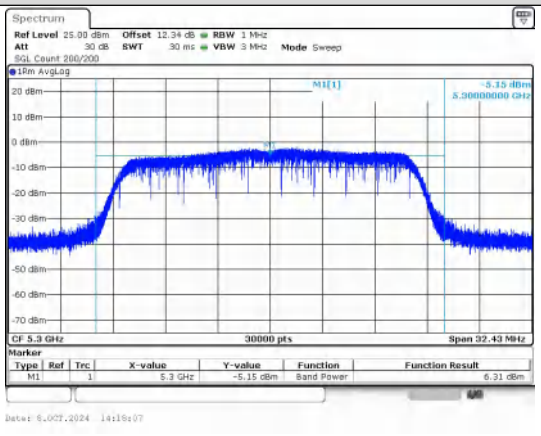
Conducted AVG output power
IEEE 802.11n_40_Channel 110



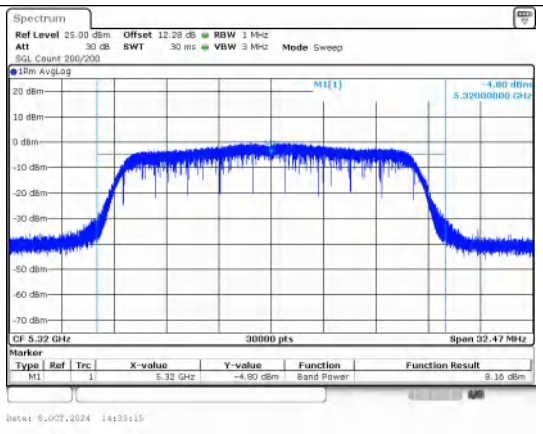
Conducted AVG output power
IEEE 802.11n_40_Channel 134



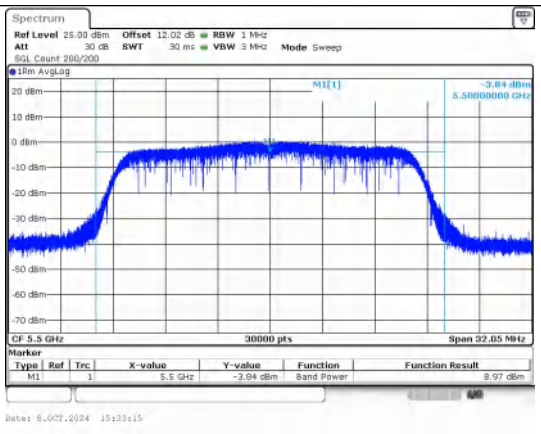
Conducted AVG output power
IEEE 802.11ac_20_Channel 52



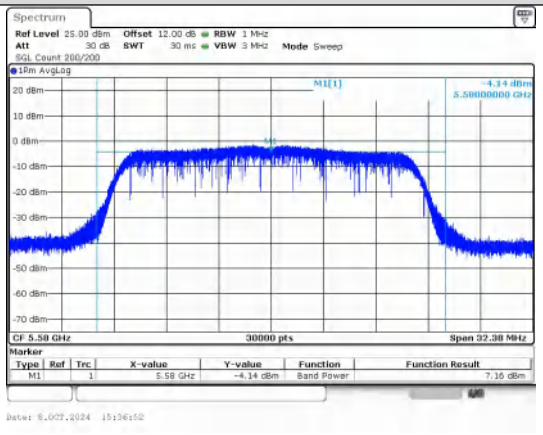
Conducted AVG output power
IEEE 802.11ac_20_Channel 60



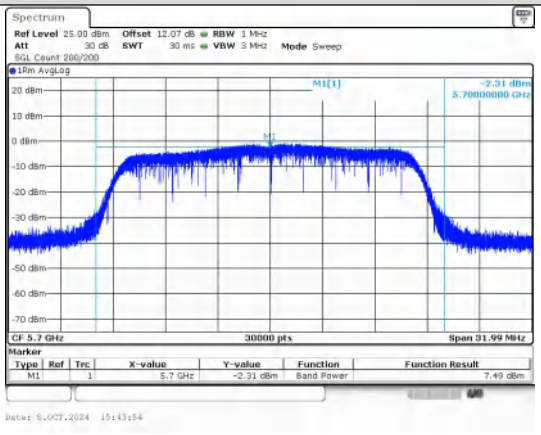
Conducted AVG output power
IEEE 802.11ac_20_Channel 64



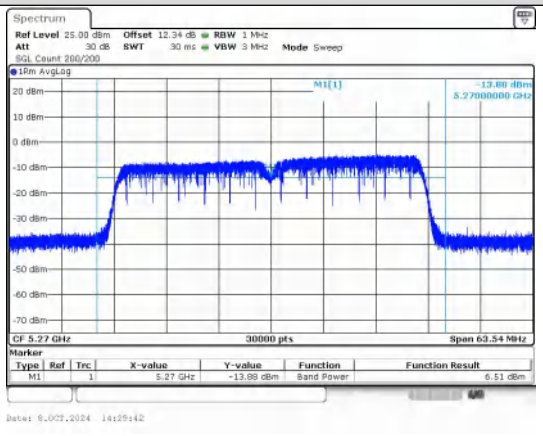
Conducted AVG output power
IEEE 802.11ac_20_Channel 100



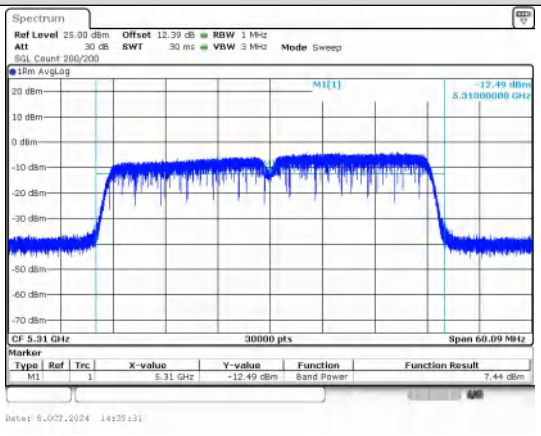
Conducted AVG output power
IEEE 802.11ac_20_Channel 116



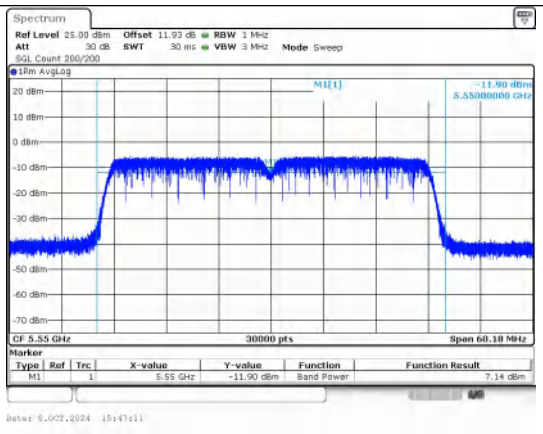
Conducted AVG output power
IEEE 802.11ac_20_Channel 140



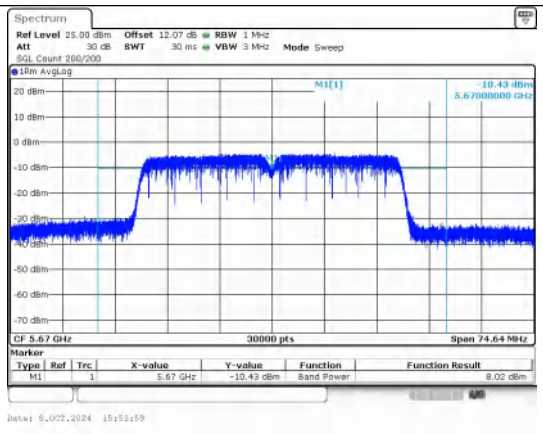
Conducted AVG output power
IEEE 802.11ac_40_Channel 54



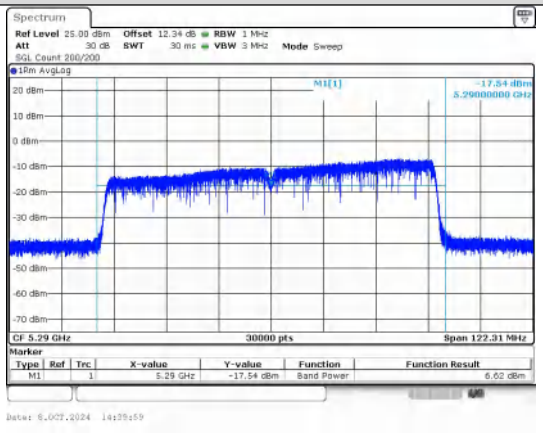
Conducted AVG output power
IEEE 802.11ac_40_Channel 62



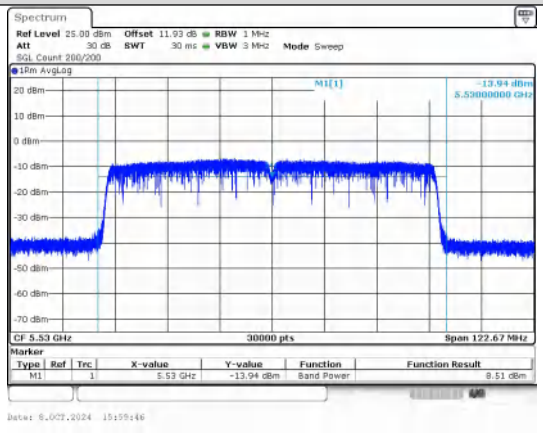
Conducted AVG output power
IEEE 802.11ac_40_Channel 110



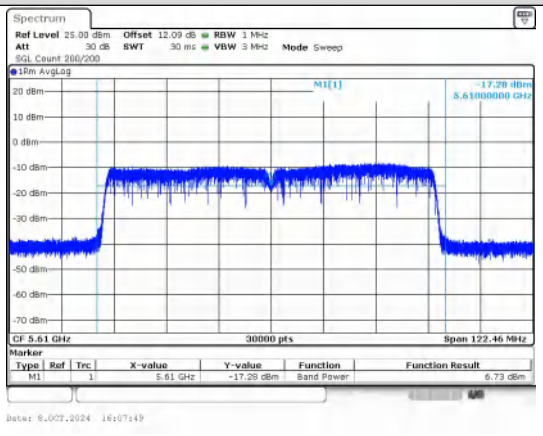
Conducted AVG output power
IEEE 802.11ac_40_Channel 134



Conducted AVG output power
IEEE 802.11ac_80_Channel 58



Conducted AVG output power
IEEE 802.11ac_80_Channel 106



Conducted AVG output power
IEEE 802.11ac_80_Channel 122

MIMO for 5.3G and 5.5G

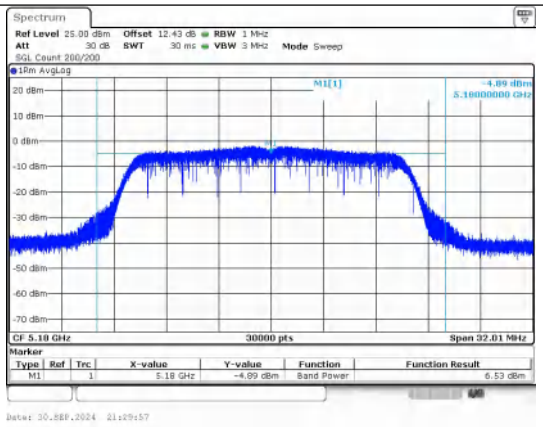
Mode	Channel	Ant. 1 (dBm)	Ant. 2 (dBm)	MIMO (dBm)	Limit (dBm)	Result
IEEE 802.11n_20	52	8.32	7.06	10.75	≤24	PASS
	60	8.57	7.25	10.97	≤24	PASS
	64	5.67	6.85	9.31	≤24	PASS
	100	8.90	8.01	11.49	≤24	PASS
	116	8.62	7.77	11.23	≤24	PASS
	140	6.61	6.28	9.46	≤24	PASS
IEEE 802.11n_40	54	9.19	8.10	11.69	≤24	PASS
	62	8.34	7.66	11.02	≤24	PASS
	110	8.88	8.19	11.56	≤24	PASS
	134	6.56	8.00	10.35	≤24	PASS
IEEE 802.11ac_20	52	6.48	7.860	10.23	≤24	PASS
	60	7.95	6.31	10.22	≤24	PASS
	64	8.41	8.15	11.29	≤24	PASS
	100	8.70	8.96	11.84	≤24	PASS
	116	8.42	7.15	10.84	≤24	PASS
	140	6.44	7.48	10.00	≤24	PASS
IEEE 802.11ac_40	54	7.45	6.51	10.02	≤24	PASS
	62	8.35	7.43	10.92	≤24	PASS
	110	7.81	7.13	10.49	≤24	PASS
	134	7.44	8.02	10.75	≤24	PASS
IEEE 802.11ac_80	58	7.87	6.62	10.30	≤24	PASS
	106	7.93	8.51	11.24	≤24	PASS
	122	7.14	6.72	9.95	≤24	PASS

Conducted AVG Output Power for 5.2G

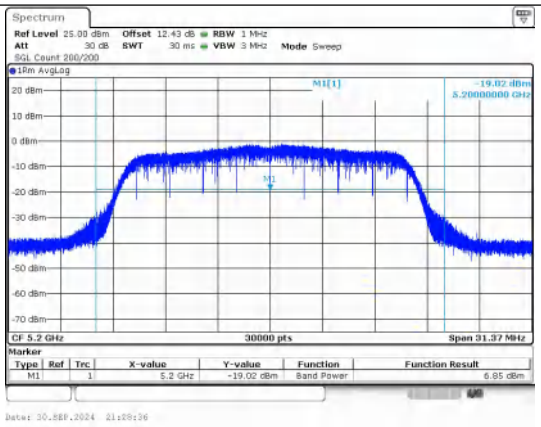
ANT1:

Conducted output power

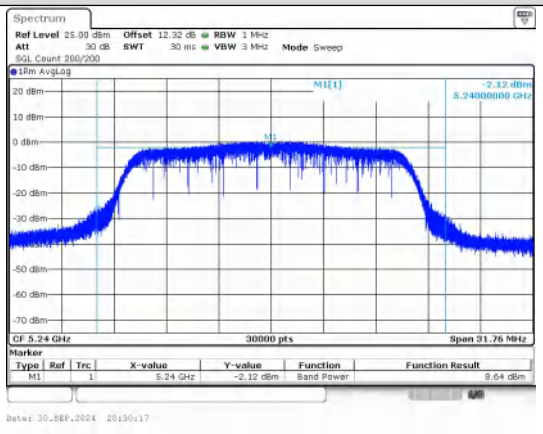
Mode	Channel	Ant. 1 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	6.53	≤24	PASS
	40	6.85	≤24	PASS
	48	8.64	≤24	PASS
IEEE 802.11n_20	36	6.71	≤24	PASS
	40	8.27	≤24	PASS
	48	7.17	≤24	PASS
IEEE 802.11n_40	38	8.66	≤24	PASS
	46	7.12	≤24	PASS
IEEE 802.11ac_20	36	7.50	≤24	PASS
	40	7.15	≤24	PASS
	48	7.07	≤24	PASS
IEEE 802.11ac_40	38	6.75	≤24	PASS
	46	7.26	≤24	PASS
IEEE 802.11ac_80	42	6.95	≤24	PASS



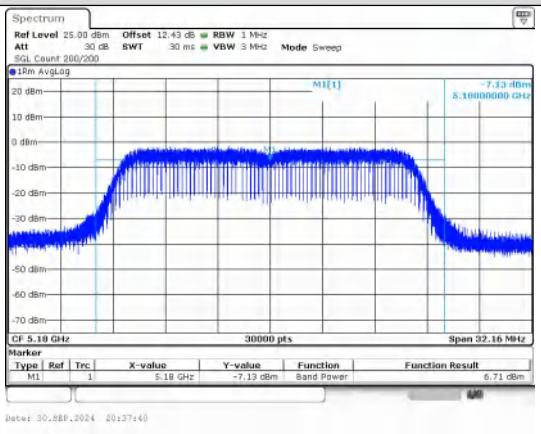
Conducted AVG output power
IEEE 802.11a_Channel 36



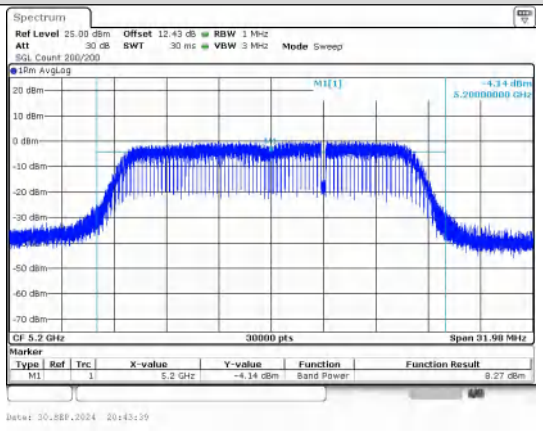
Conducted AVG output power
IEEE 802.11a_Channel 40



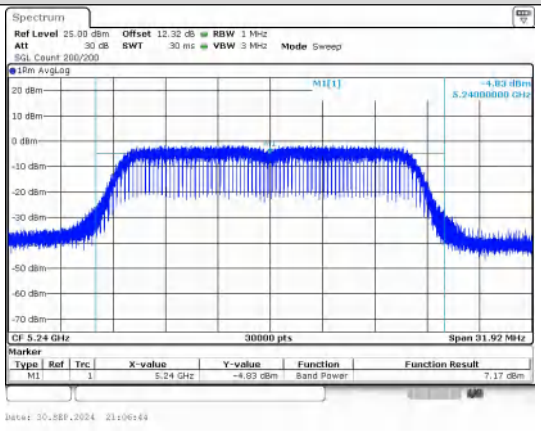
Conducted AVG output power
IEEE 802.11a_Channel 48



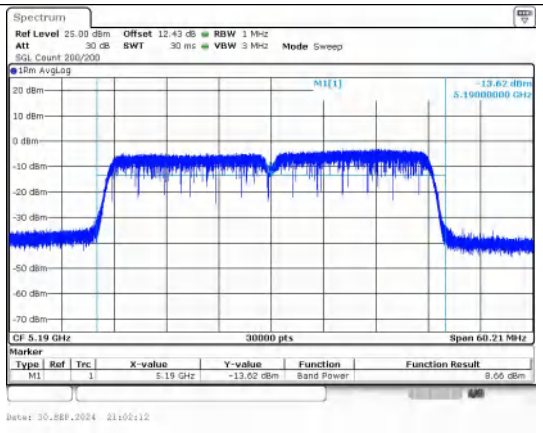
Conducted AVG output power
IEEE 802.11n_20_Channel 36



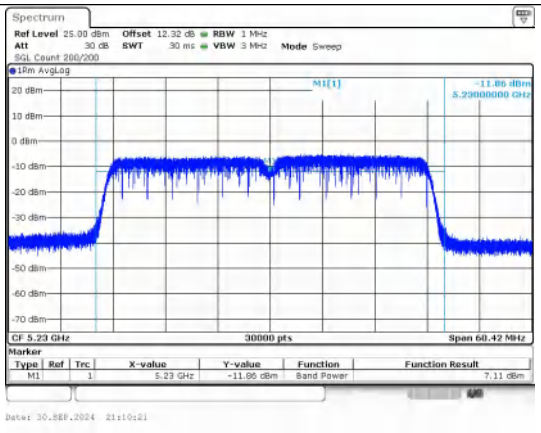
Conducted AVG output power
IEEE 802.11n_20_Channel 40



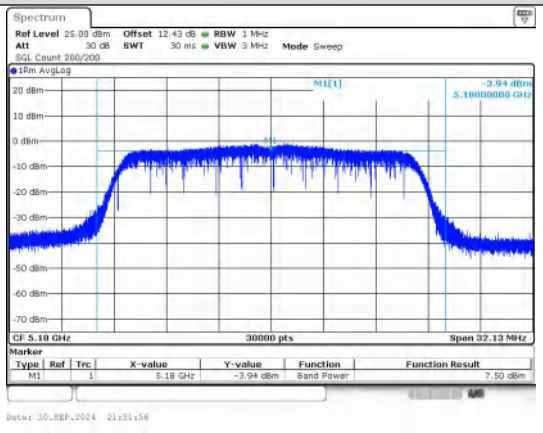
Conducted AVG output power
IEEE 802.11n_20_Channel 48



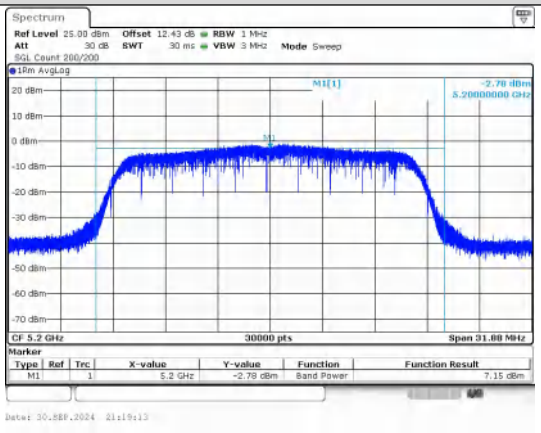
Conducted AVG output power
IEEE 802.11n_40_Channel 38



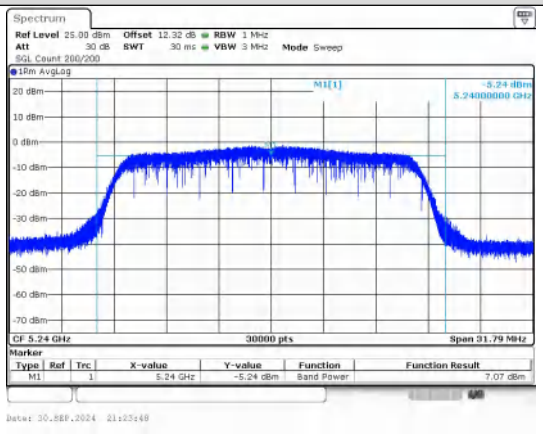
Conducted AVG output power
IEEE 802.11n_40_Channel 46



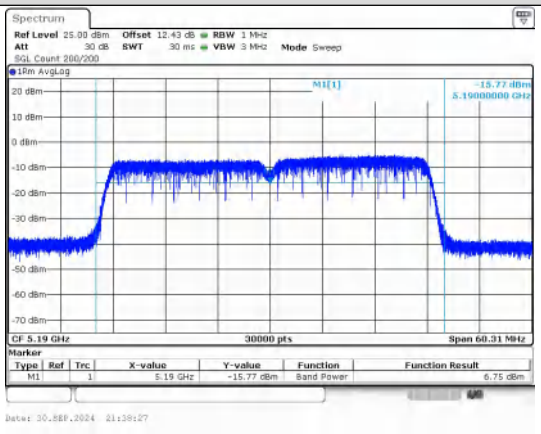
Conducted AVG output power
IEEE 802.11ac_20_Channel 36



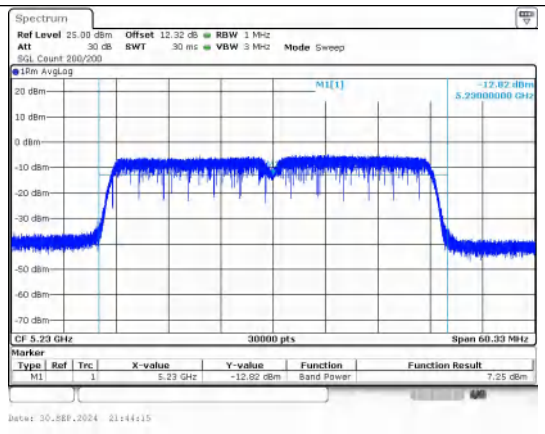
Conducted AVG output power
IEEE 802.11ac_20_Channel 40



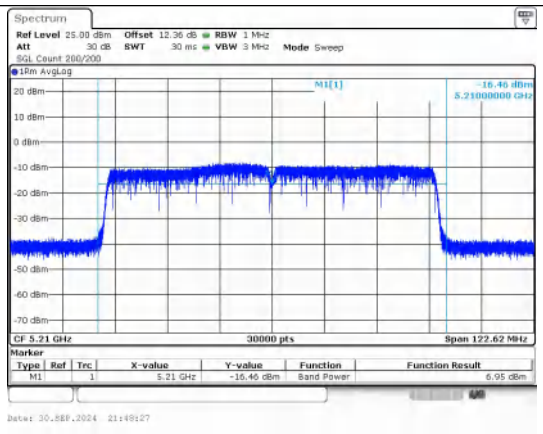
Conducted AVG output power
IEEE 802.11ac_20_Channel 48



Conducted AVG output power
IEEE 802.11ac_40_Channel 38



Conducted AVG output power
IEEE 802.11ac_40_Channel 46

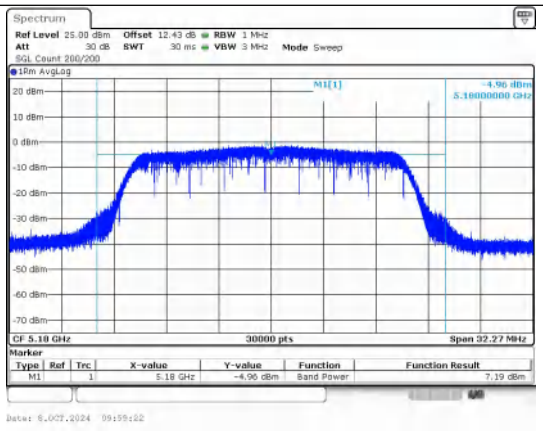


Conducted AVG output power
IEEE 802.11ac_80_Channel 42

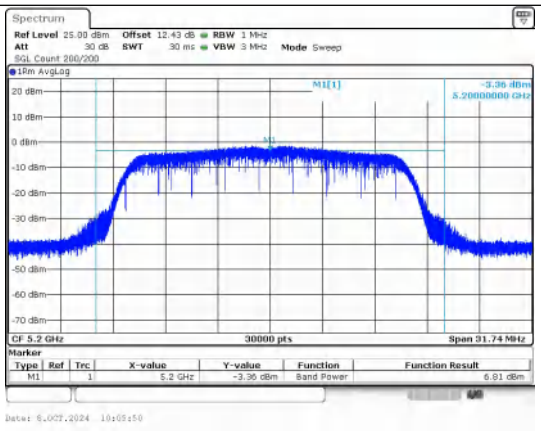
ANT2:

Conducted AVG output power for 5.2G

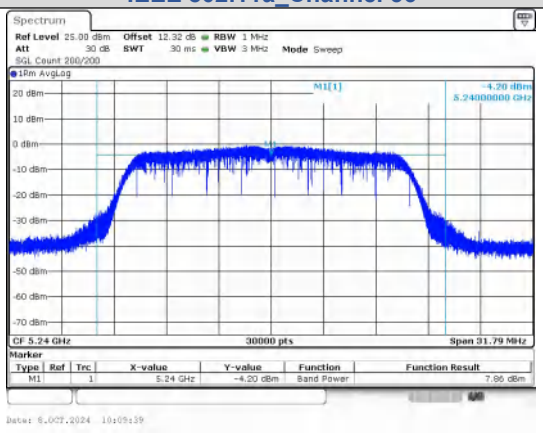
Mode	Channel	Ant. 2 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	7.19	≤24	PASS
	40	6.81	≤24	PASS
	48	7.86	≤24	PASS
IEEE 802.11n_20	36	7.67	≤24	PASS
	40	8.33	≤24	PASS
	48	6.40	≤24	PASS
IEEE 802.11n_40	38	8.04	≤24	PASS
	46	6.53	≤24	PASS
IEEE 802.11ac_20	36	8.53	≤24	PASS
	40	7.38	≤24	PASS
	48	6.38	≤24	PASS
IEEE 802.11ac_40	38	7.10	≤24	PASS
	46	6.55	≤24	PASS
IEEE 802.11ac_80	42	6.99	≤24	PASS



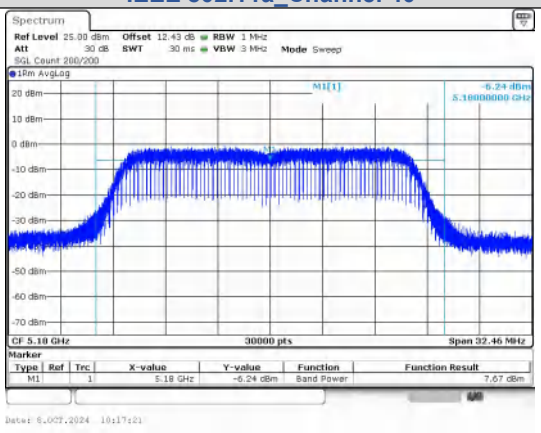
Conducted AVG output power
IEEE 802.11a_Channel 36



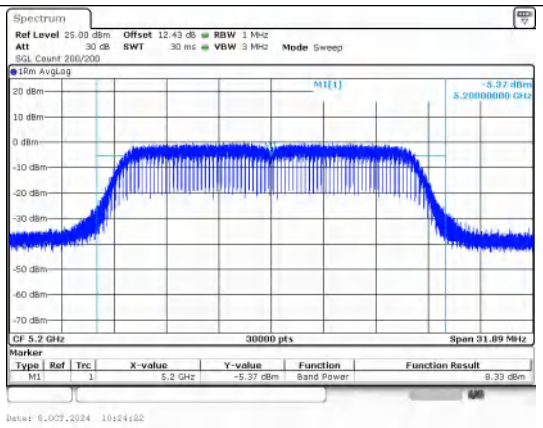
Conducted AVG output power
IEEE 802.11a_Channel 40



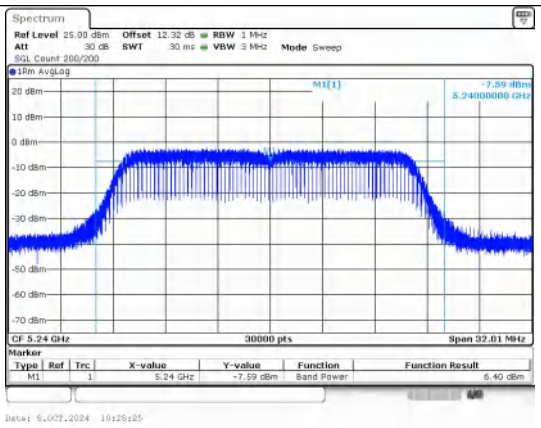
Conducted AVG output power
IEEE 802.11a_Channel 48



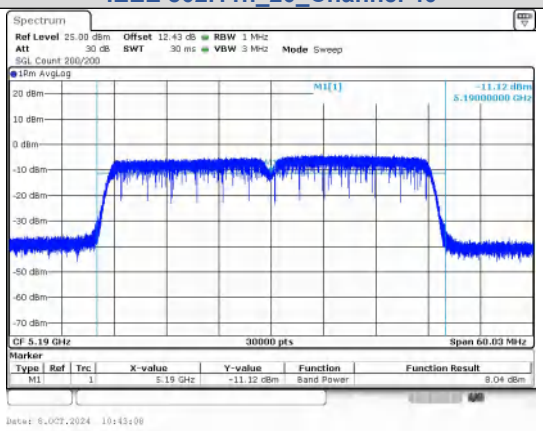
Conducted AVG output power
IEEE 802.11n_20_Channel 36



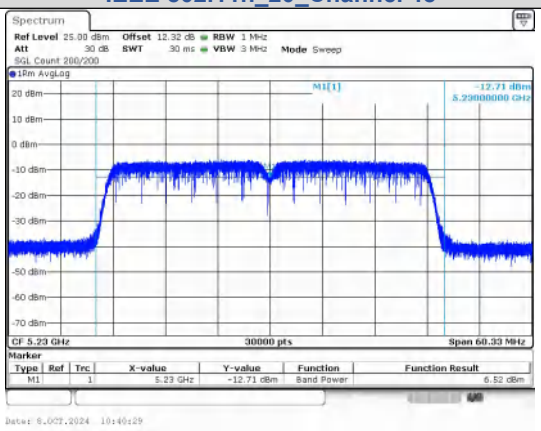
Conducted AVG output power
IEEE 802.11n_20_Channel 40



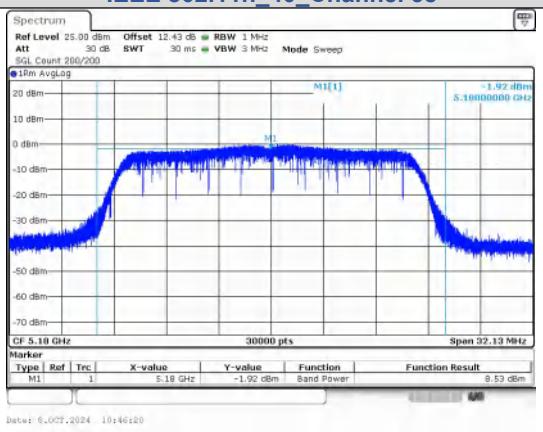
Conducted AVG output power
IEEE 802.11n_20_Channel 48



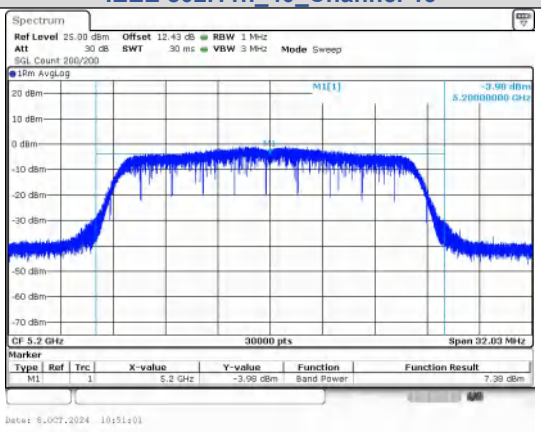
Conducted AVG output power
IEEE 802.11n_40_Channel 38



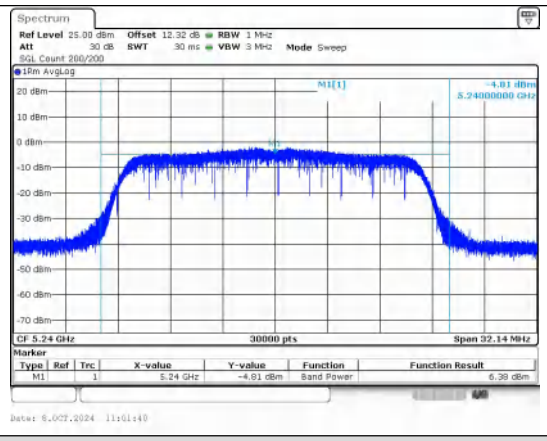
Conducted AVG output power
IEEE 802.11n_40_Channel 46



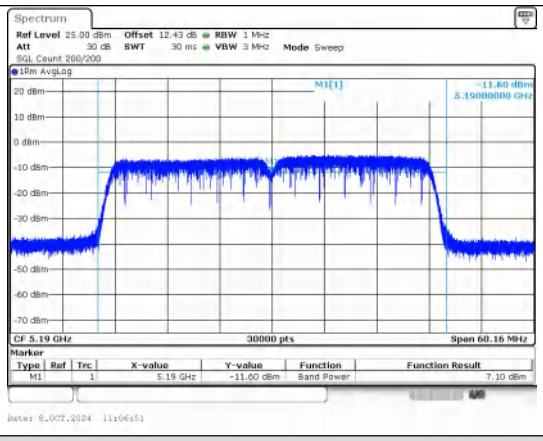
Conducted AVG output power
IEEE 802.11ac_20_Channel 36



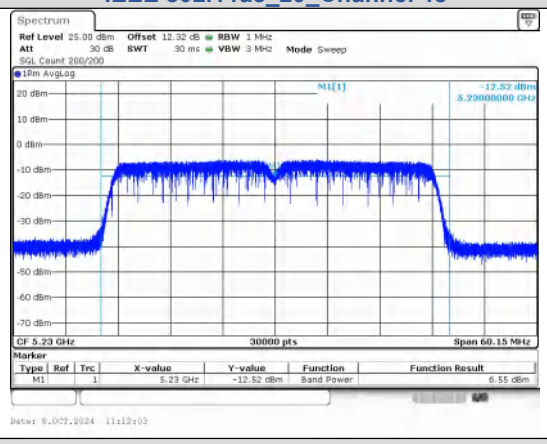
Conducted AVG output power
IEEE 802.11ac_20_Channel 40



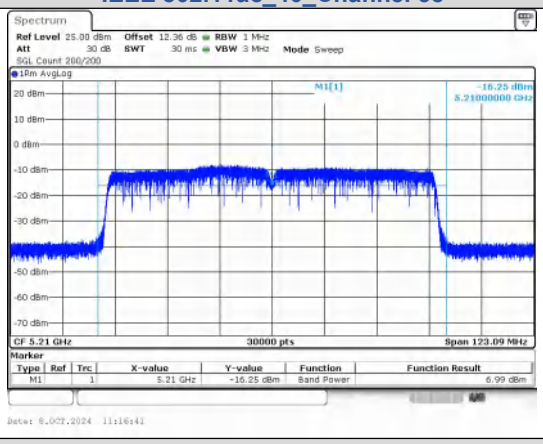
Conducted AVG output power
IEEE 802.11ac_20_Channel 48



Conducted AVG output power
IEEE 802.11ac_40_Channel 38



Conducted AVG output power
IEEE 802.11ac_40_Channel 46



Conducted AVG output power
IEEE 802.11ac_80_Channel 42

MIMO for 5.2G

Mode	Channel	Ant. 1 (dBm)	Ant. 2 (dBm)	MIMO (dBm)	Limit (dBm)	Result
IEEE 802.11n_20	36	6.71	7.67	10.23	≤24	PASS
	40	8.27	8.33	11.31	≤24	PASS
	48	7.17	6.40	9.81	≤24	PASS
IEEE 802.11n_40	38	8.66	8.04	11.37	≤24	PASS
	46	7.12	6.53	9.85	≤24	PASS
IEEE 802.11ac_20	36	7.50	8.53	11.06	≤24	PASS
	40	7.15	7.38	10.28	≤24	PASS
	48	7.07	6.38	9.75	≤24	PASS
IEEE 802.11ac_40	38	6.75	7.10	9.94	≤24	PASS
	46	7.26	6.55	9.93	≤24	PASS
IEEE 802.11ac_80	42	6.95	6.99	9.98	≤24	PASS

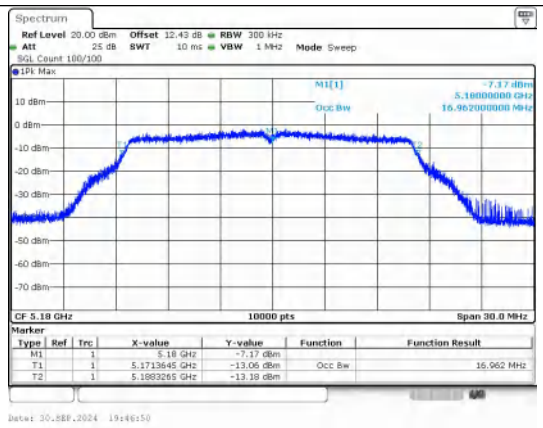
99% Bandwidth

ANT1:

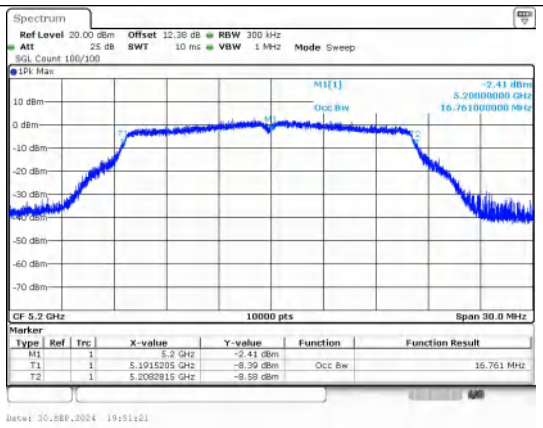
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	1	5180	16.962
	40		5200	16.761
	48		5240	16.815
	52		5260	16.785
	60		5300	16.806
	64		5320	16.944
	100		5500	16.866
	116		5580	18.003
	140		5700	16.806
IEEE 802.11n_20	36		5180	18.030
	40		5200	17.910
	48		5240	17.943
	52		5260	17.958
	60		5300	17.958
	64		5320	17.994
	100		5500	17.961
	116		5580	18.024
	140		5700	17.958
IEEE 802.11n_40	38		5190	36.438
	46		5230	36.438
	54		5270	36.450
	62		5310	36.354
	110		5550	36.396
	134		5670	36.420
IEEE 802.11ac_20	36		5180	18.030
	40		5200	17.844
	48		5240	17.922
	52		5260	18.006
	60		5300	17.922
	64		5320	17.960
	100		5500	17.949
	116		5580	18.012
	140		5700	17.892
IEEE 802.11ac_40	38		5190	36.456
	46		5230	36.432
	54		5270	36.348
	62		5310	36.336
	110		5550	36.420
	134		5670	36.432
IEEE 802.11ac_80	42		5210	75.768
	58		5290	75.528
	106		5530	75.564
	122		5610	75.804

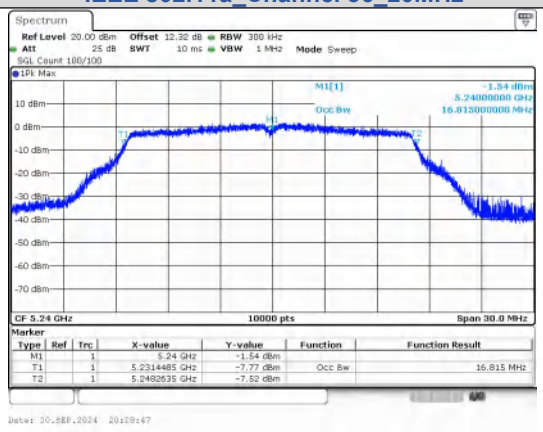
Test Graphs



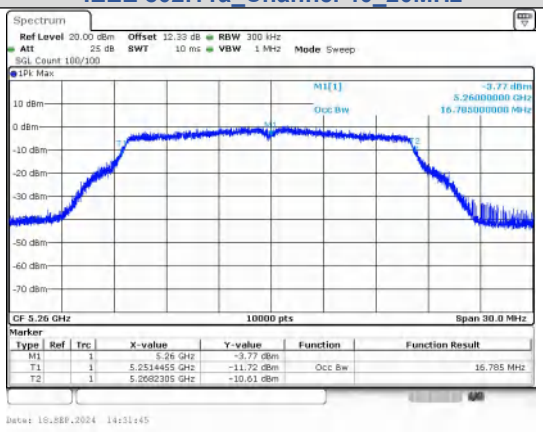
IEEE 802.11a_Channel 36_20MHz



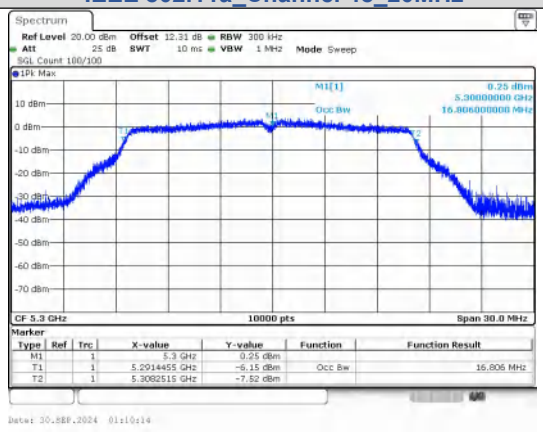
IEEE 802.11a_Channel 40_20MHz



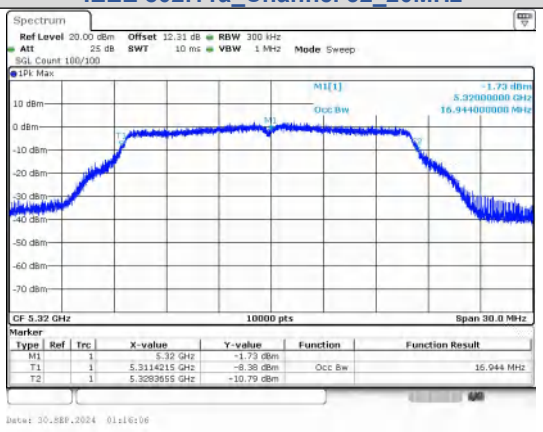
IEEE 802.11a_Channel 48_20MHz



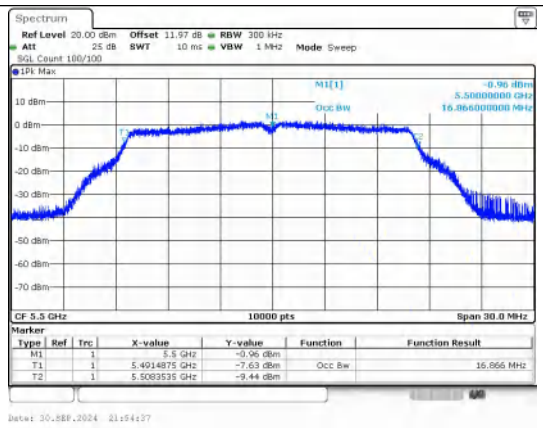
IEEE 802.11a_Channel 52_20MHz



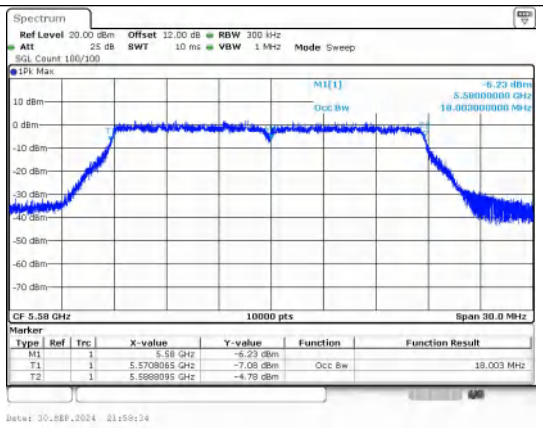
IEEE 802.11a_Channel 60_20MHz



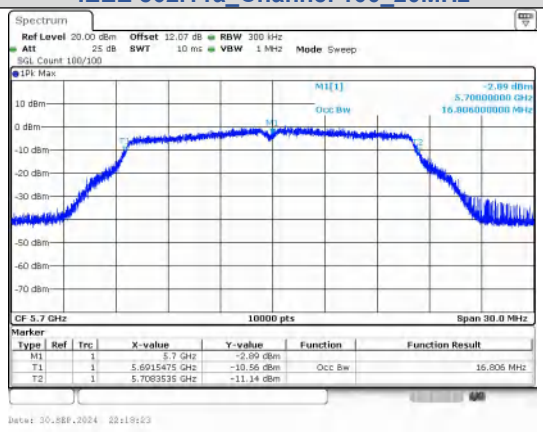
IEEE 802.11a_Channel 64_20MHz



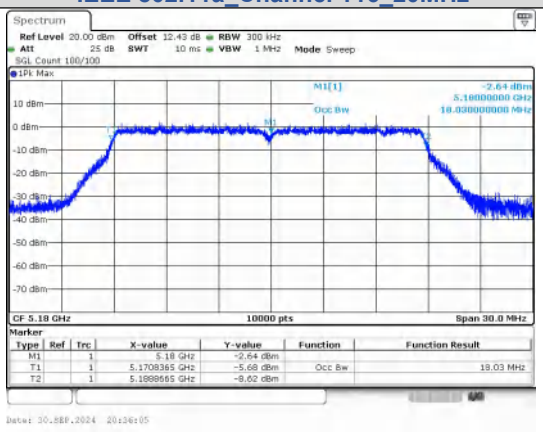
IEEE 802.11a_Channel 100_20MHz



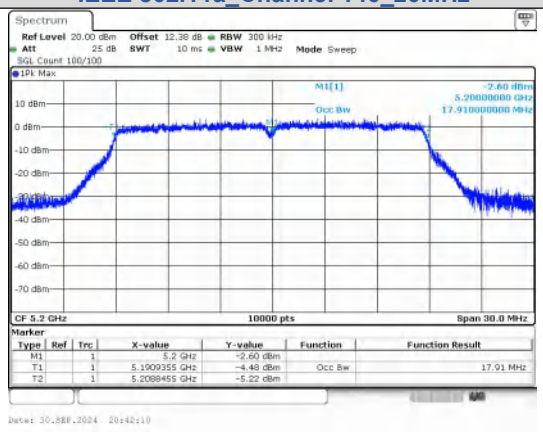
IEEE 802.11a_Channel 116_20MHz



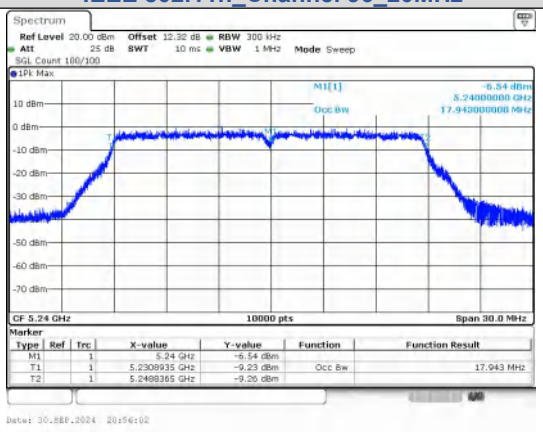
IEEE 802.11a_Channel 140_20MHz



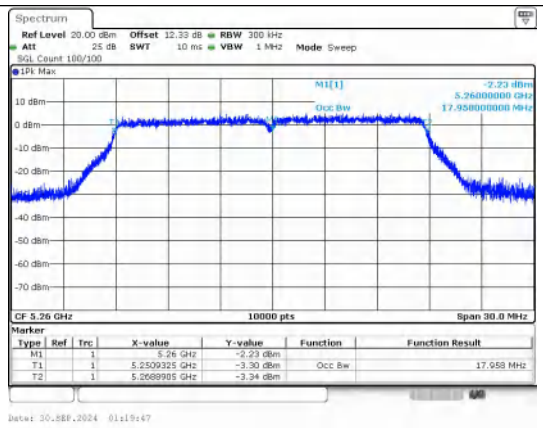
IEEE 802.11n_Channel 36_20MHz



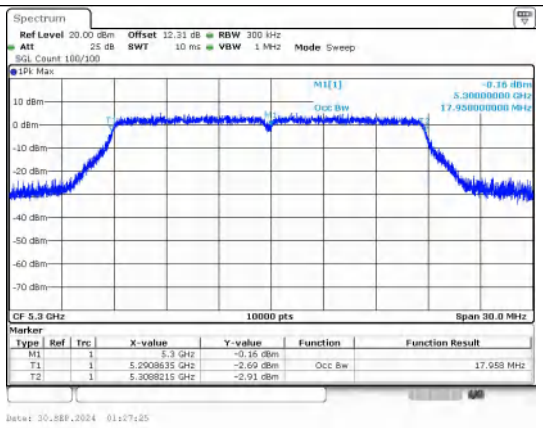
IEEE 802.11n_Channel 40_20MHz



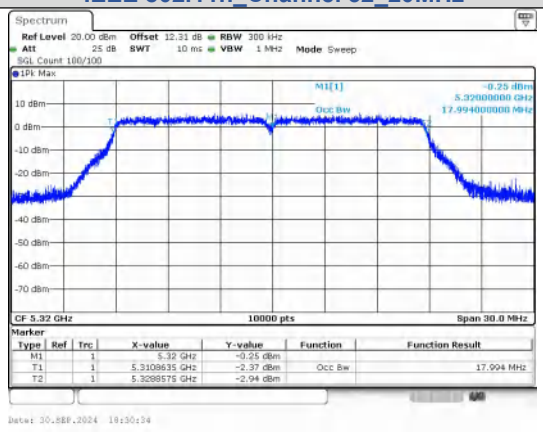
IEEE 802.11n_Channel 48_20MHz



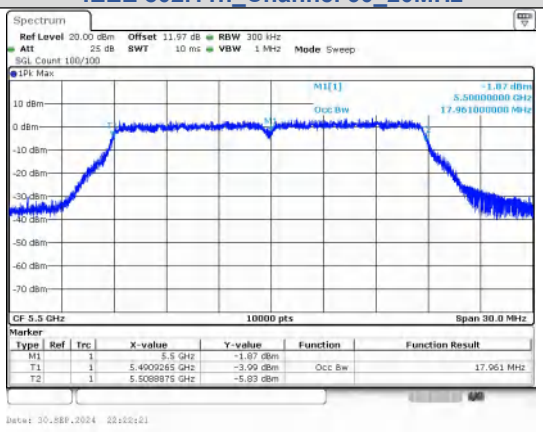
IEEE 802.11n_Channel 52_20MHz



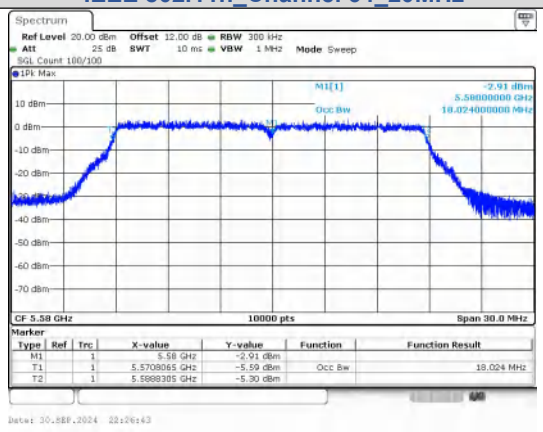
IEEE 802.11n_Channel 60_20MHz



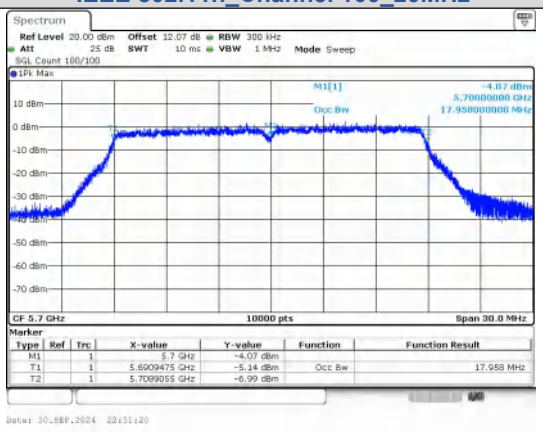
IEEE 802.11n_Channel 64_20MHz



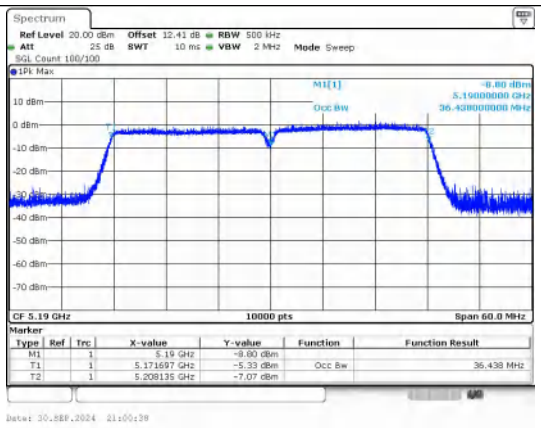
IEEE 802.11n_Channel 100_20MHz



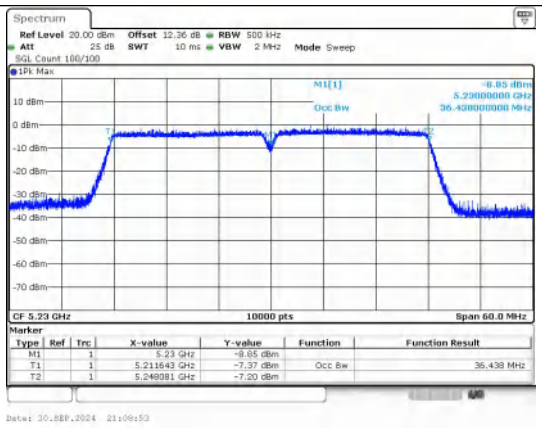
IEEE 802.11n_Channel 116_20MHz



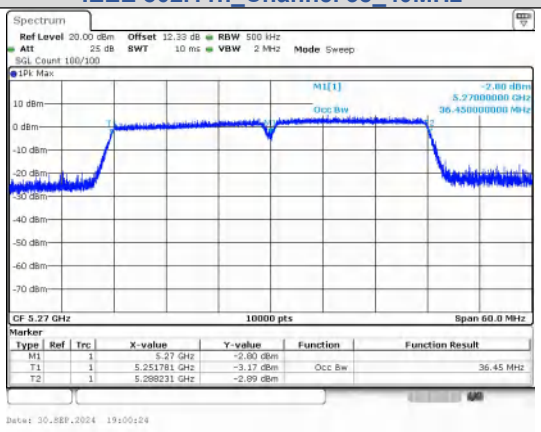
IEEE 802.11n_Channel 140_20MHz



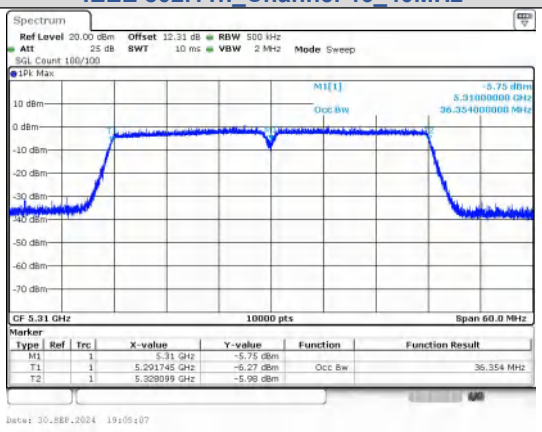
IEEE 802.11n_Channel 38_40MHz



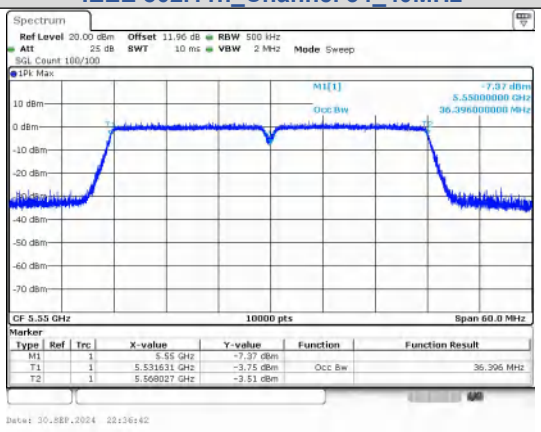
IEEE 802.11n_Channel 46_40MHz



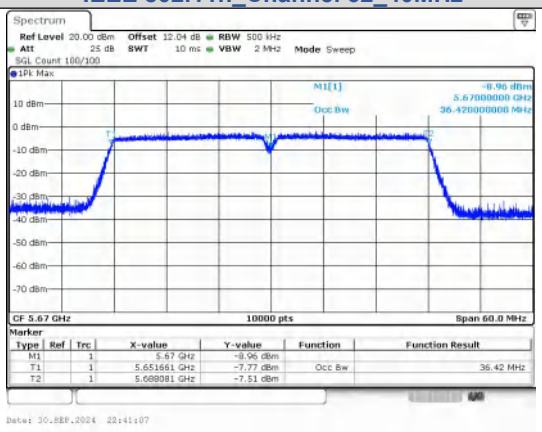
IEEE 802.11n_Channel 54_40MHz



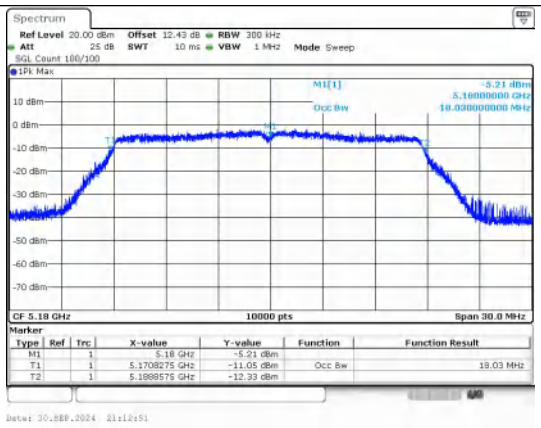
IEEE 802.11n_Channel 62_40MHz



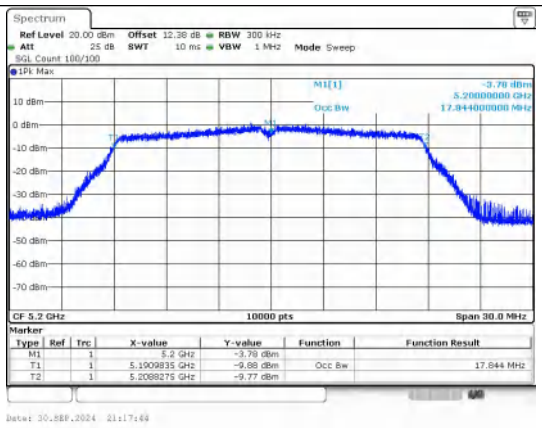
IEEE 802.11n_Channel 110_40MHz



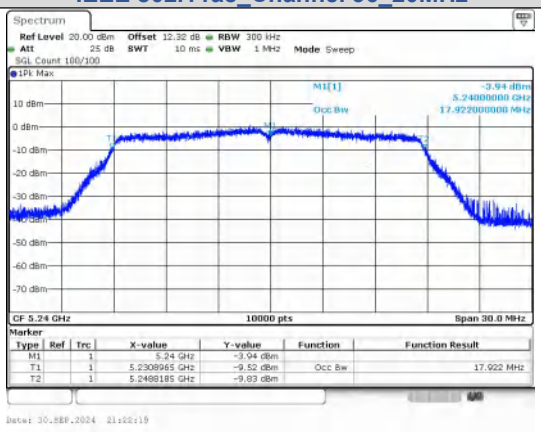
IEEE 802.11n_Channel 134_40MHz



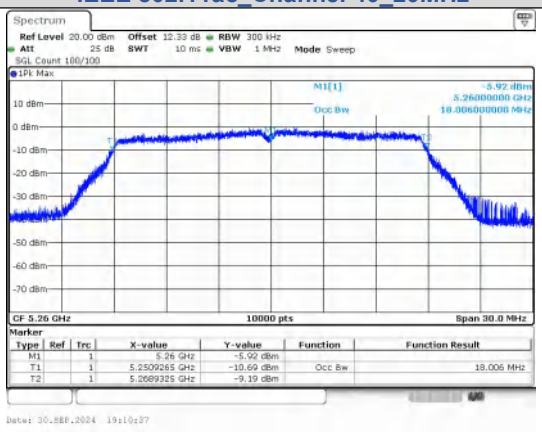
IEEE 802.11ac_Channel 36_20MHz



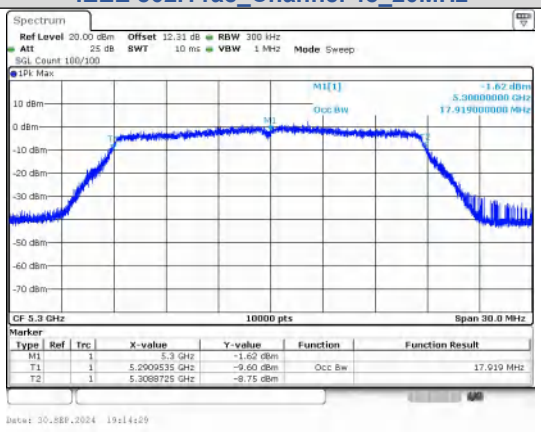
IEEE 802.11ac_Channel 40_20MHz



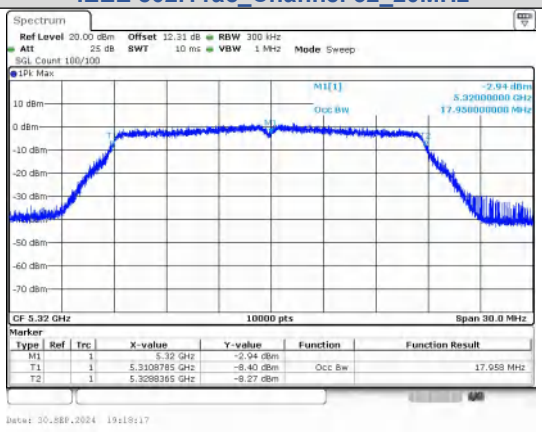
IEEE 802.11ac_Channel 48_20MHz



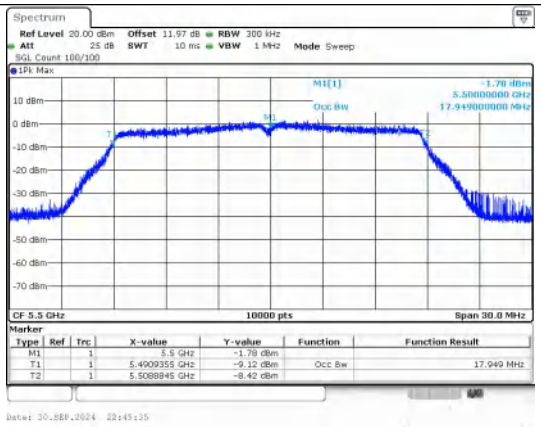
IEEE 802.11ac_Channel 52_20MHz



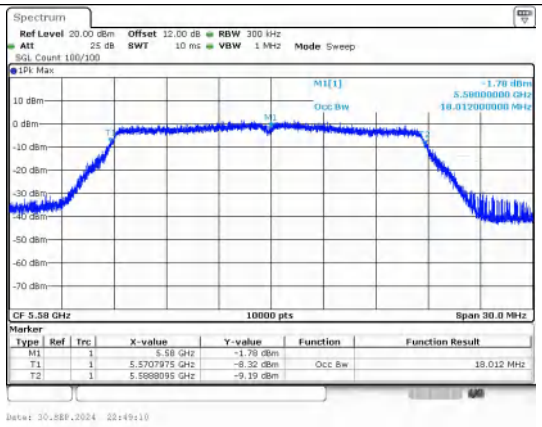
IEEE 802.11ac_Channel 60_20MHz



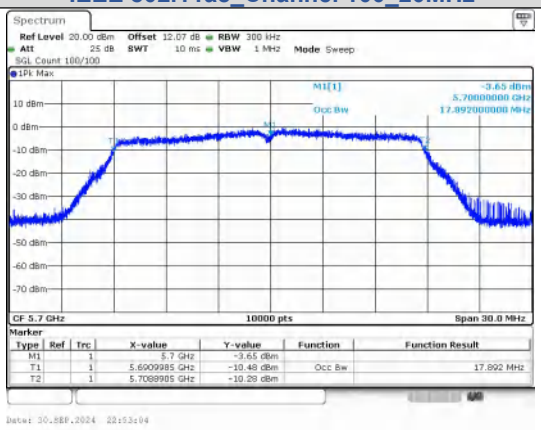
IEEE 802.11ac_Channel 64_20MHz



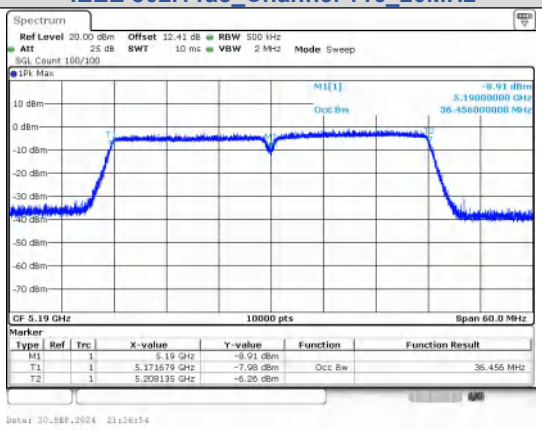
IEEE 802.11ac_Channel 100_20MHz



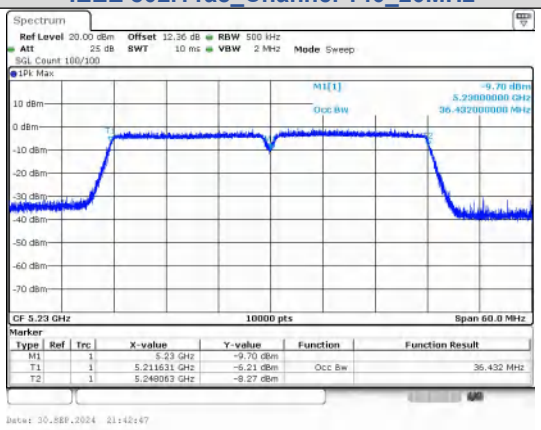
IEEE 802.11ac_Channel 116_20MHz



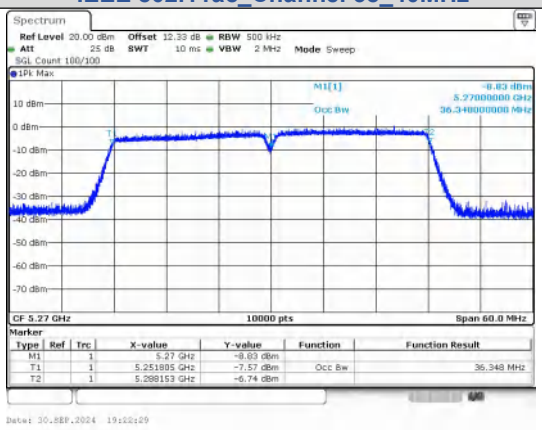
IEEE 802.11ac_Channel 140_20MHz



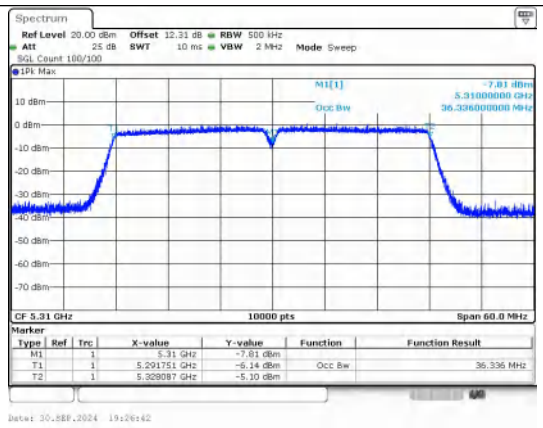
IEEE 802.11ac_Channel 38_40MHz



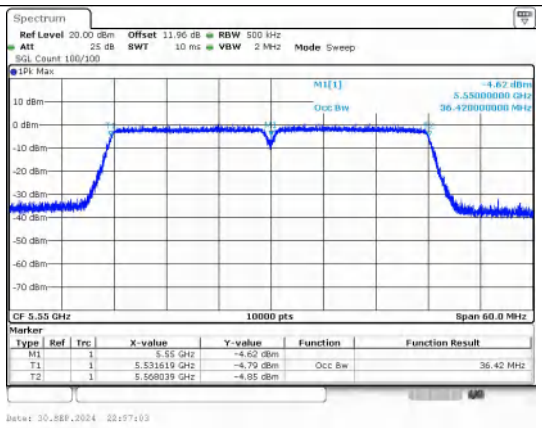
IEEE 802.11ac_Channel 46_40MHz



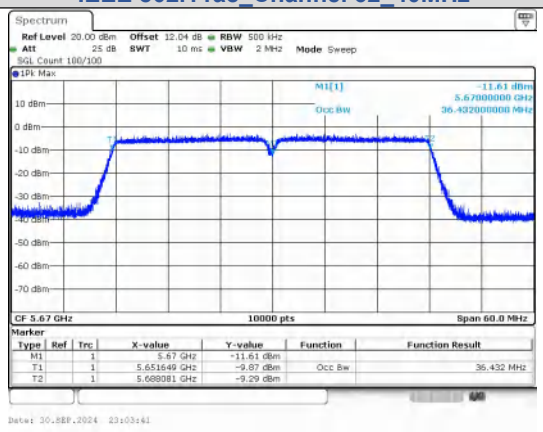
IEEE 802.11ac_Channel 54_40MHz



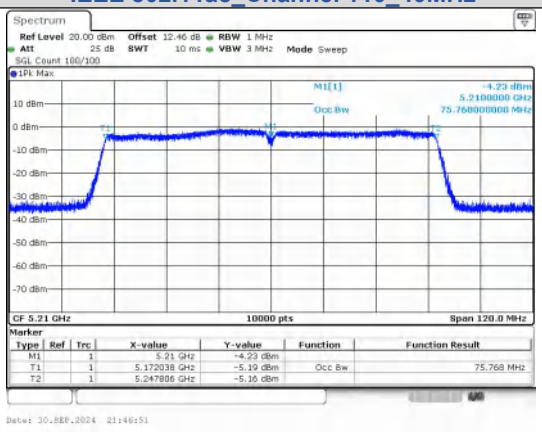
IEEE 802.11ac_Channel 62_40MHz



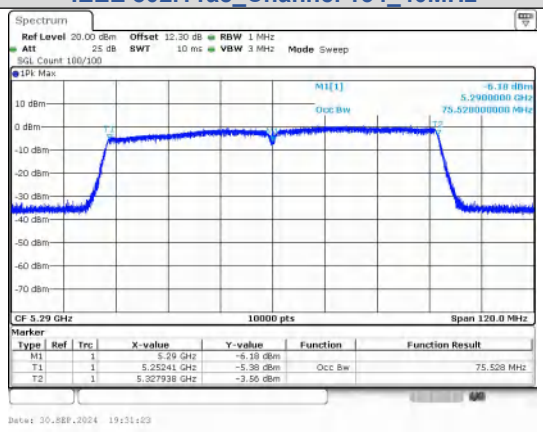
IEEE 802.11ac_Channel 110_40MHz



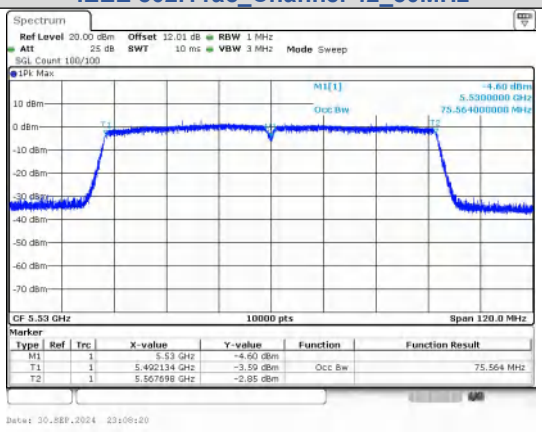
IEEE 802.11ac_Channel 134_40MHz



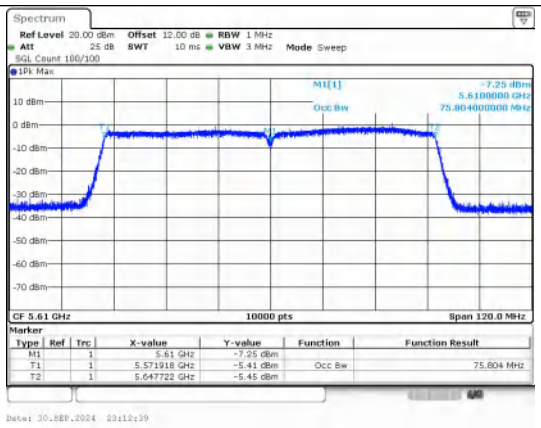
IEEE 802.11ac_Channel 42_80MHz



IEEE 802.11ac_Channel 58_80MHz



IEEE 802.11ac_Channel 106_80MHz



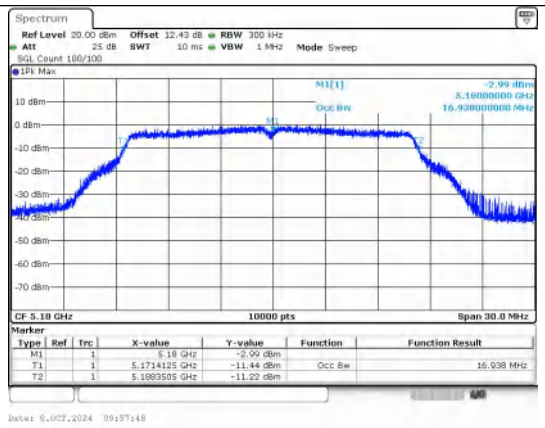
IEEE 802.11ac_Channel 122_80MHz

ANT2:

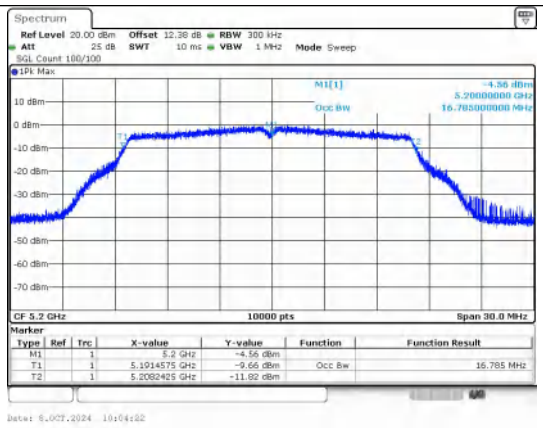
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	2	5180	16.938
	40		5200	16.785
	48		5240	16.884
	52		5260	16.845
	60		5300	16.839
	64		5320	16.929
	100		5500	16.908
	116		5580	16.962
	140		5700	16.821
IEEE 802.11n_20	36		5180	18.033
	40		5200	17.919
	48		5240	17.991
	52		5260	17.952
	60		5300	17.949
	64		5320	18.021
	100		5500	18.006
	116		5580	18.021
	140		5700	17.952
IEEE 802.11n_40	38		5190	36.402
	46		5230	36.420
	54		5270	36.360
	62		5310	36.432
	110		5550	36.420
	134		5670	36.582
IEEE 802.11ac_20	36		5180	18.042
	40		5200	17.868
	48		5240	17.964
	52		5260	17.940
	60		5300	18.054
	64		5320	17.934
	100		5500	17.943
	116		5580	18.018
	140		5700	17.910
IEEE 802.11ac_40	38		5190	36.366
	46		5230	36.426
	54		5270	36.462
	62		5310	36.342
	110		5550	36.420
	134		5670	36.516
IEEE 802.11ac_80	42		5210	75.720
	58		5290	75.624
	106		5530	75.576
	122		5610	75.804

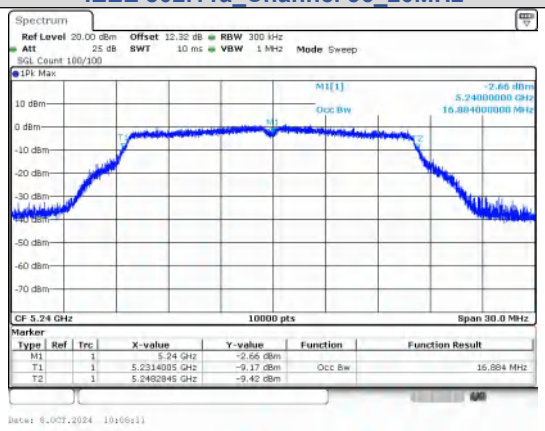
Test Graphs



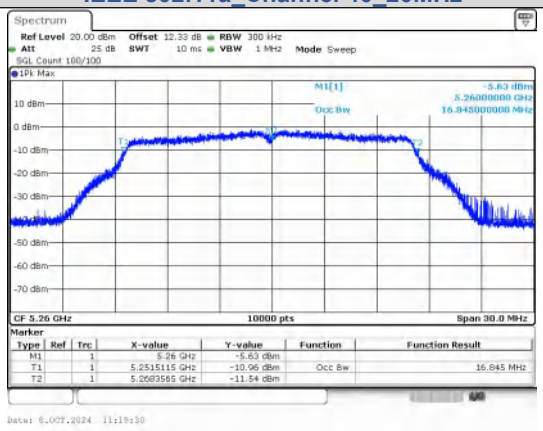
IEEE 802.11a_Channel 36_20MHz



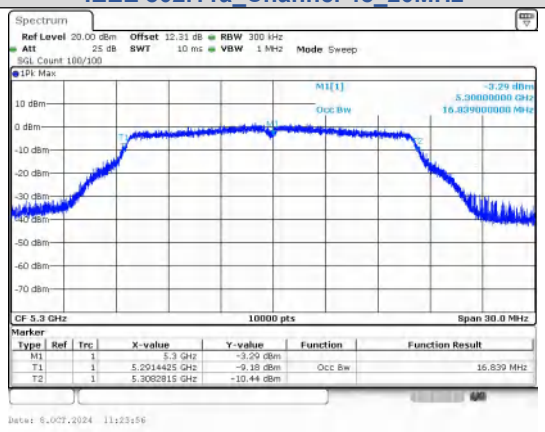
IEEE 802.11a_Channel 40_20MHz



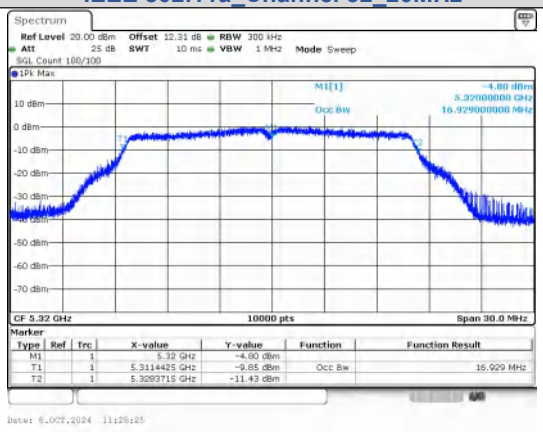
IEEE 802.11a_Channel 48_20MHz



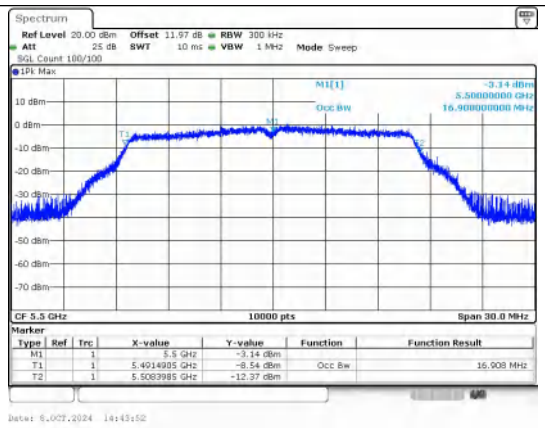
IEEE 802.11a_Channel 52_20MHz



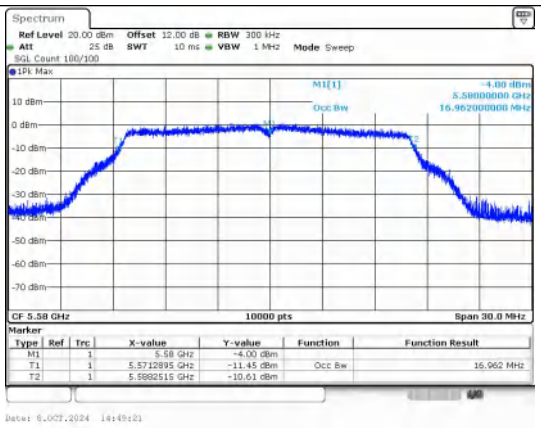
IEEE 802.11a_Channel 60_20MHz



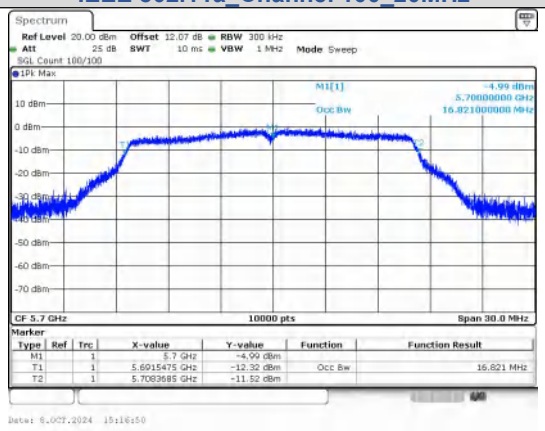
IEEE 802.11a_Channel 64_20MHz



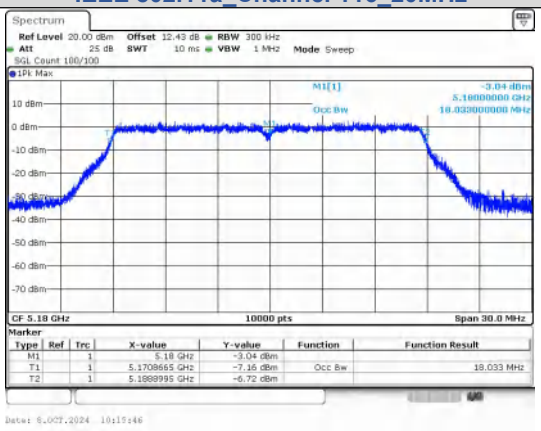
IEEE 802.11a_Channel 100_20MHz



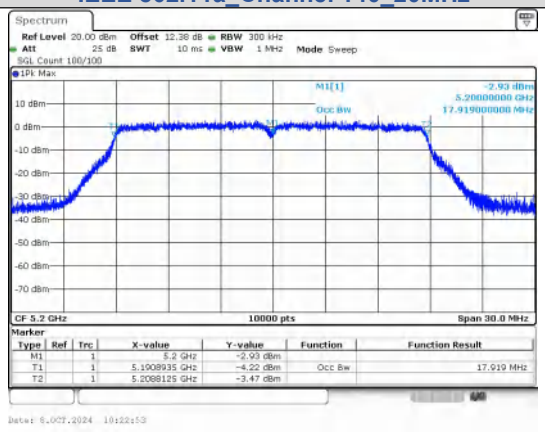
IEEE 802.11a_Channel 116_20MHz



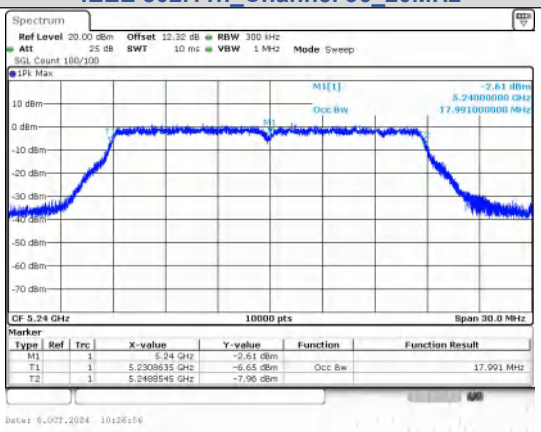
IEEE 802.11a_Channel 140_20MHz



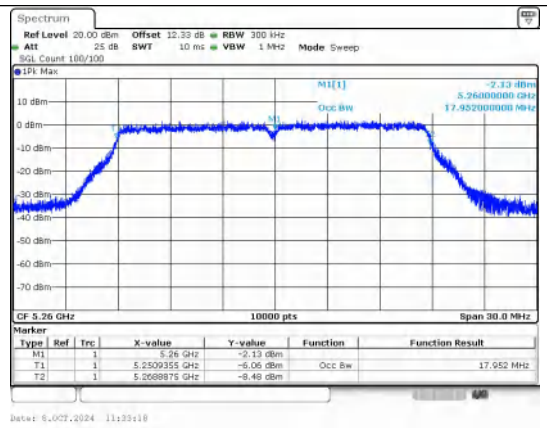
IEEE 802.11n_Channel 36_20MHz



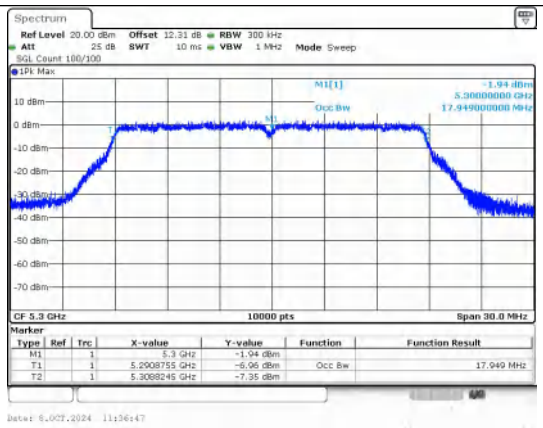
IEEE 802.11n_Channel 40_20MHz



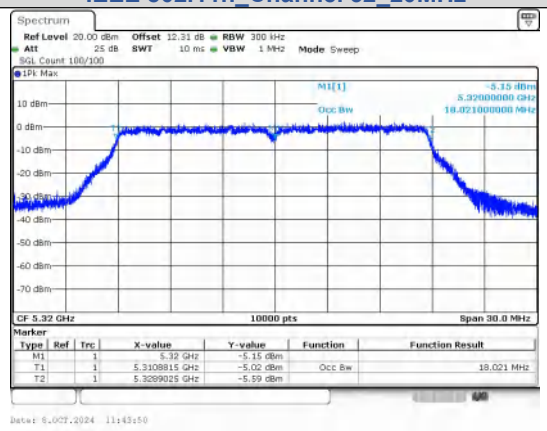
IEEE 802.11n_Channel 48_20MHz



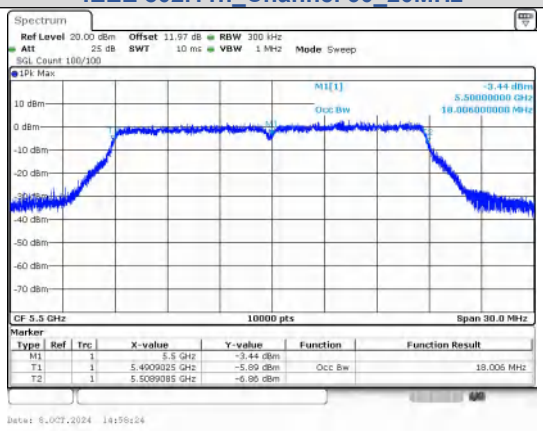
IEEE 802.11n_Channel 52_20MHz



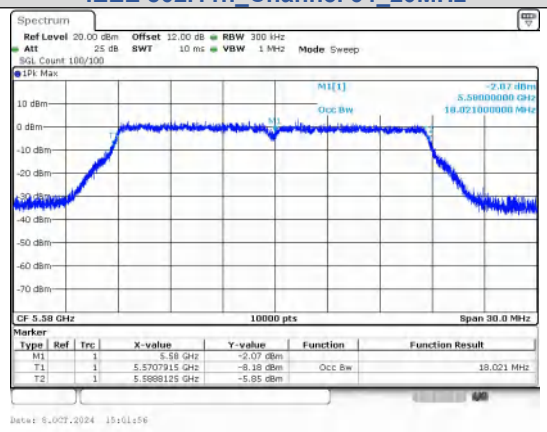
IEEE 802.11n_Channel 60_20MHz



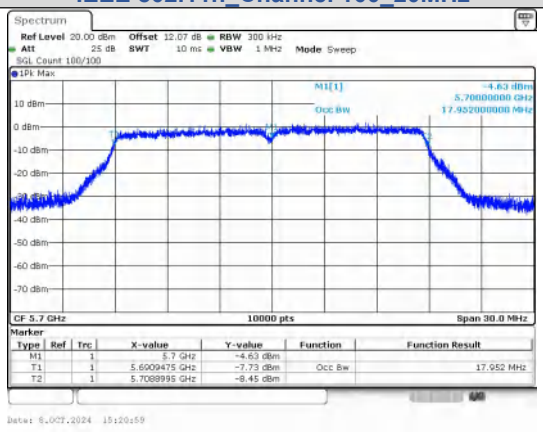
IEEE 802.11n_Channel 64_20MHz



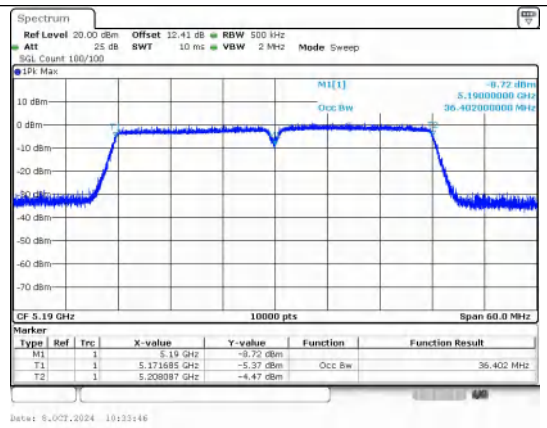
IEEE 802.11n_Channel 100_20MHz



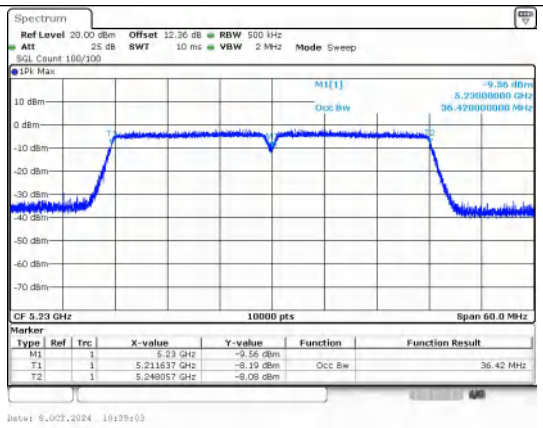
IEEE 802.11n_Channel 116_20MHz



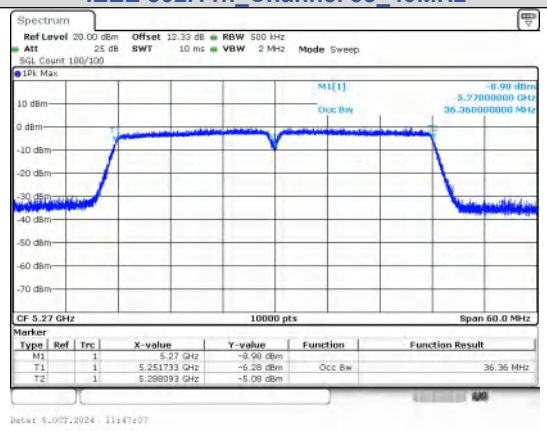
IEEE 802.11n_Channel 140_20MHz



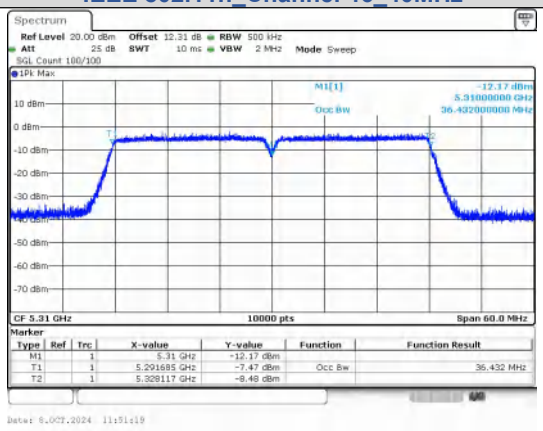
IEEE 802.11n_Channel 38_40MHz



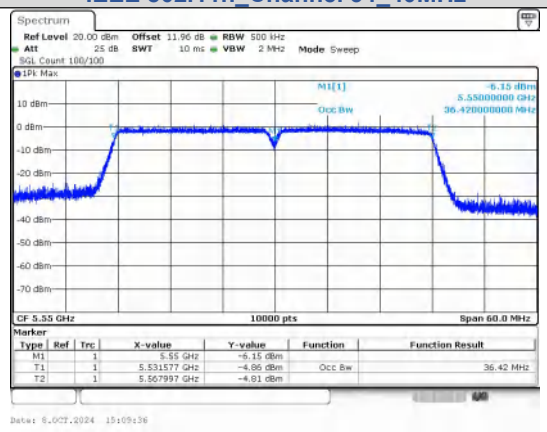
IEEE 802.11n_Channel 46_40MHz



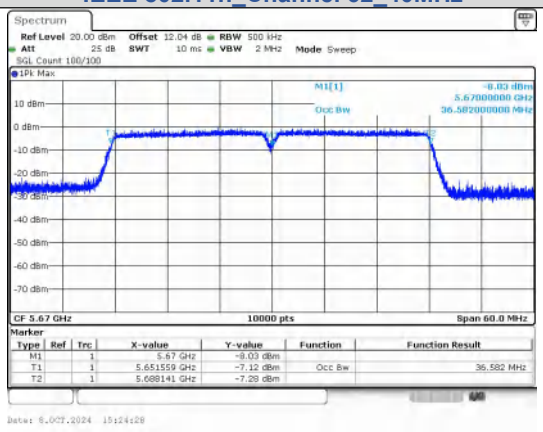
IEEE 802.11n_Channel 54_40MHz



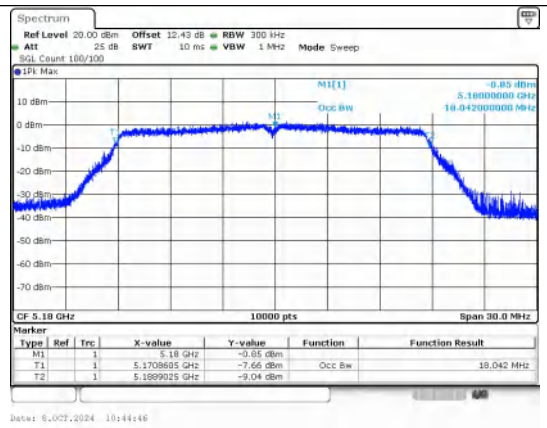
IEEE 802.11n_Channel 62_40MHz



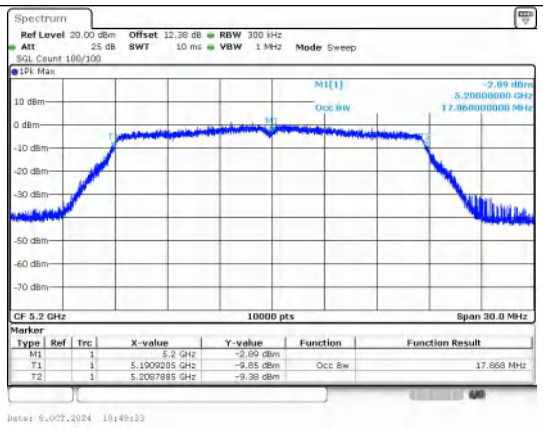
IEEE 802.11n_Channel 110_40MHz



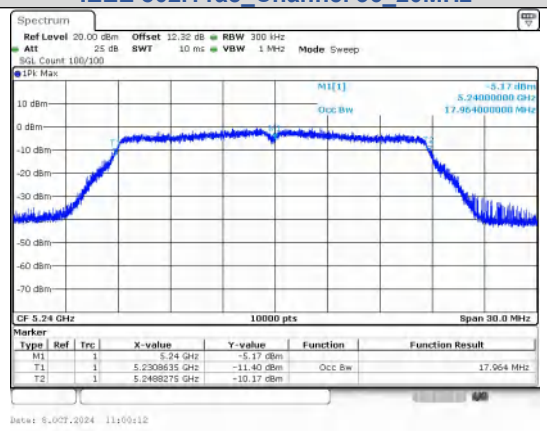
IEEE 802.11n_Channel 134_40MHz



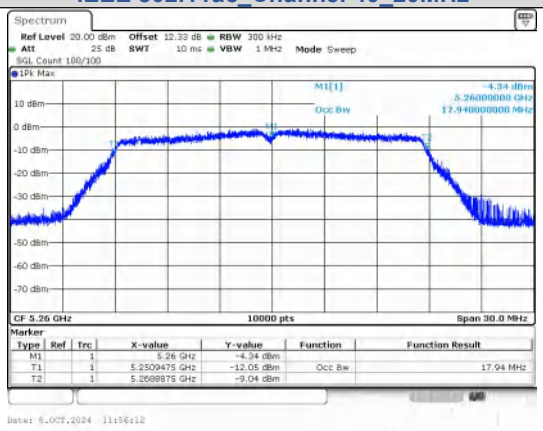
IEEE 802.11ac_Channel 36_20MHz



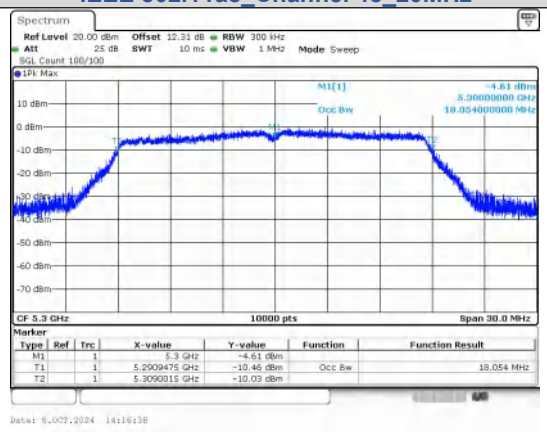
IEEE 802.11ac_Channel 40_20MHz



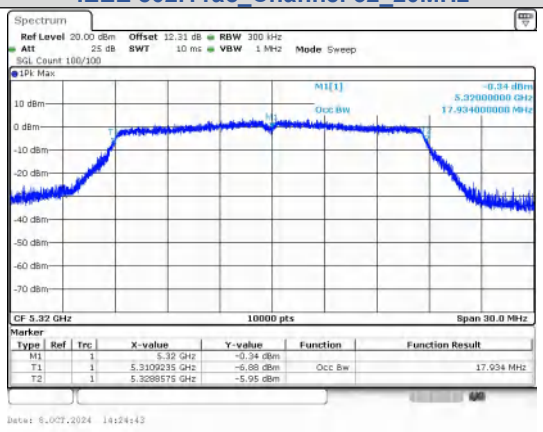
IEEE 802.11ac_Channel 48_20MHz



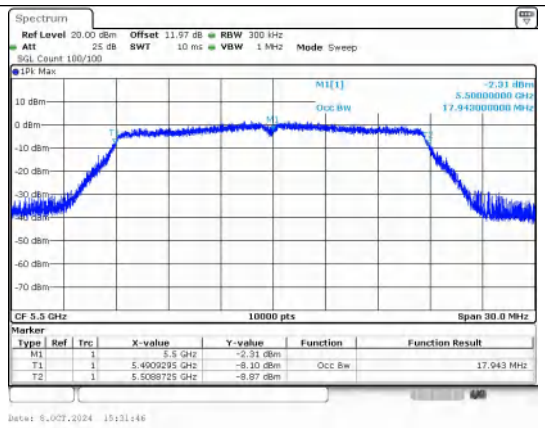
IEEE 802.11ac_Channel 52_20MHz



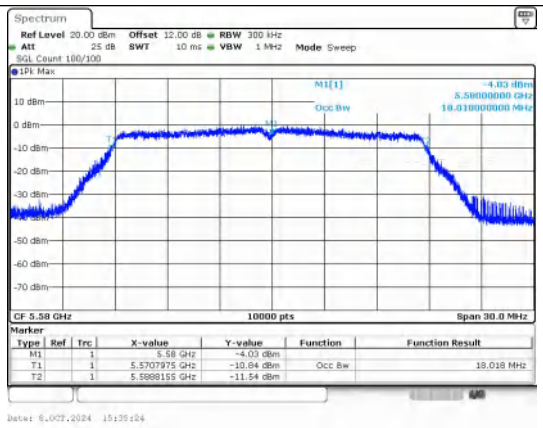
IEEE 802.11ac_Channel 60_20MHz



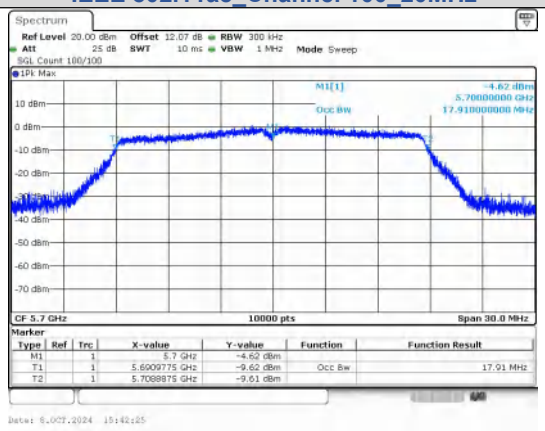
IEEE 802.11ac_Channel 64_20MHz



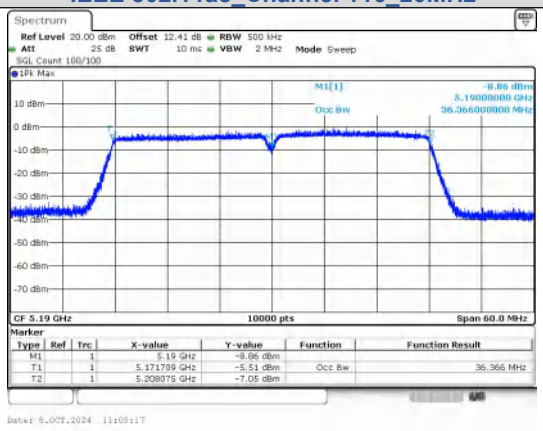
IEEE 802.11ac_Channel 100_20MHz



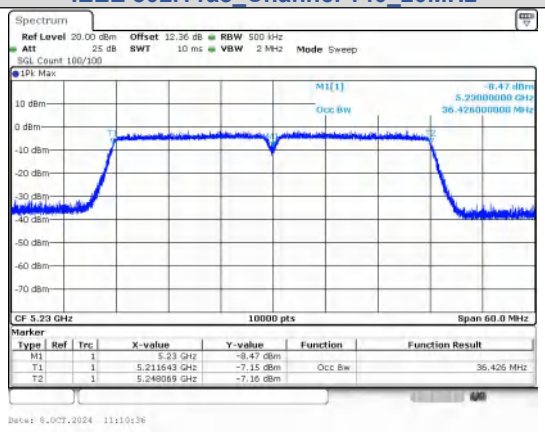
IEEE 802.11ac_Channel 116_20MHz



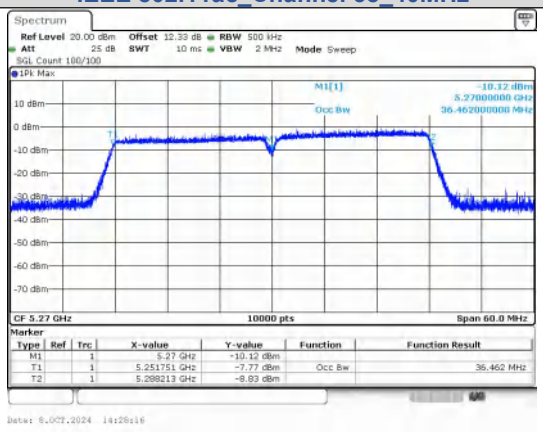
IEEE 802.11ac_Channel 140_20MHz



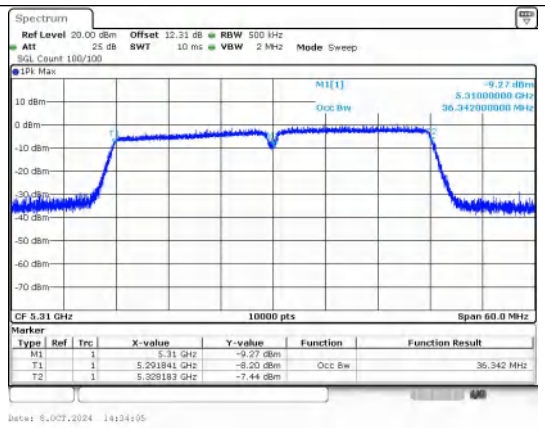
IEEE 802.11ac_Channel 38_40MHz



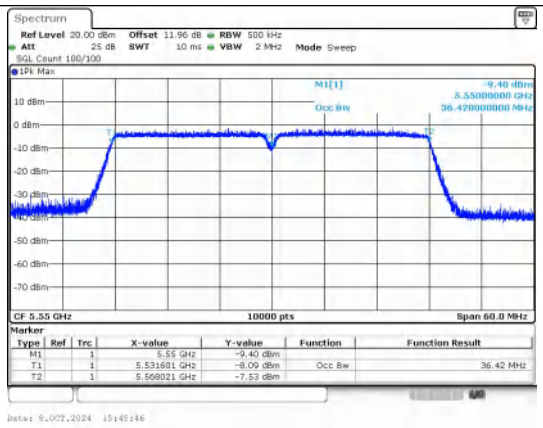
IEEE 802.11ac_Channel 46_40MHz



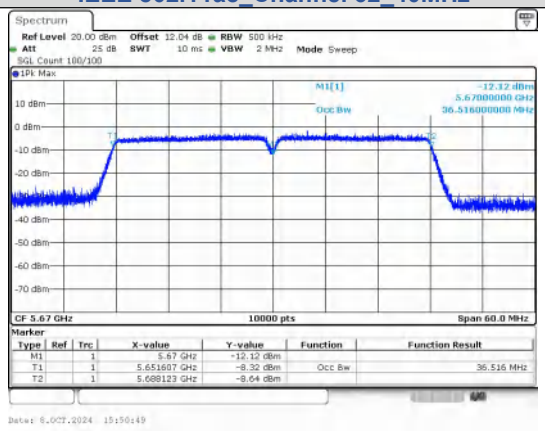
IEEE 802.11ac_Channel 54_40MHz



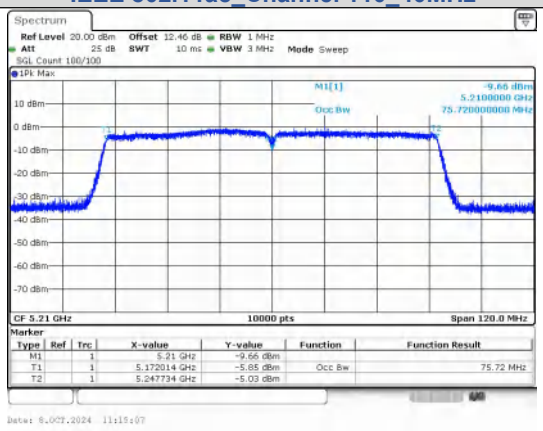
IEEE 802.11ac_Channel 62_40MHz



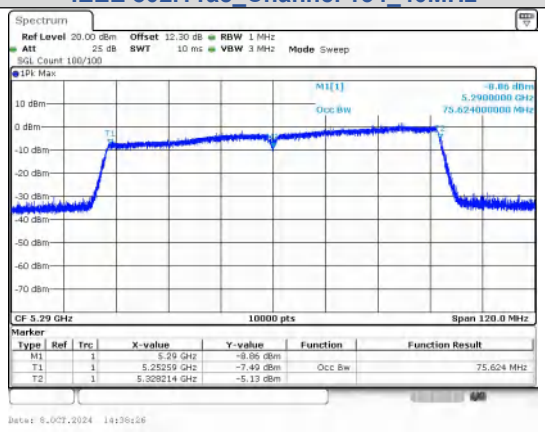
IEEE 802.11ac_Channel 110_40MHz



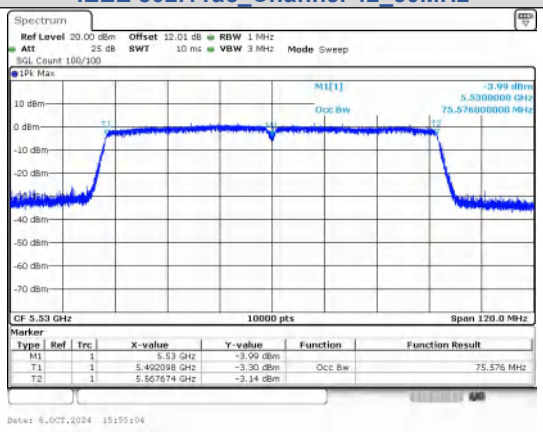
IEEE 802.11ac_Channel 134_40MHz



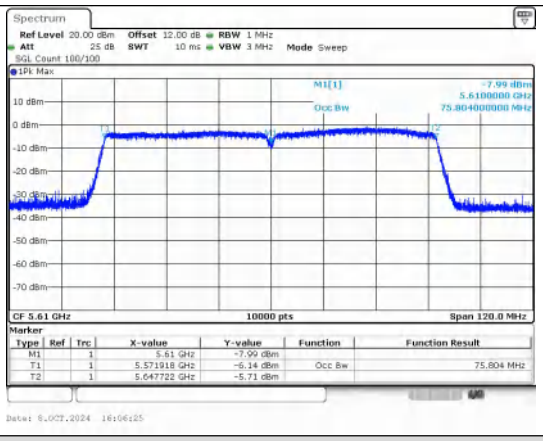
IEEE 802.11ac_Channel 42_80MHz



IEEE 802.11ac_Channel 58_80MHz



IEEE 802.11ac_Channel 106_80MHz



IEEE 802.11ac_Channel 122_80MHz

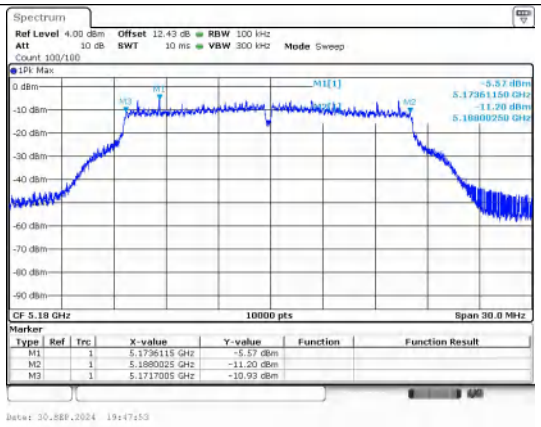
6dB Bandwidth

ANT1:

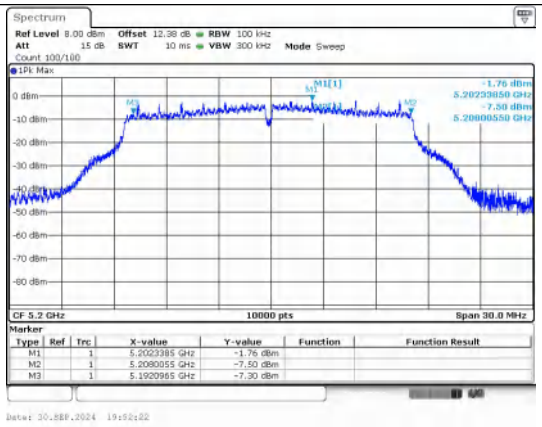
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	1	5180	16.30	≥0.5	PASS
	40		5200	15.91		PASS
	48		5240	16.23		PASS
	52		5260	16.26		PASS
	60		5300	16.27		PASS
	64		5320	16.28		PASS
	100		5500	16.07		PASS
	116		5580	17.67		PASS
	140		5700	15.63		PASS
IEEE 802.11n_20	36		5180	17.72		PASS
	40		5200	17.63		PASS
	48		5240	17.67		PASS
	52		5260	17.68		PASS
	60		5300	17.66		PASS
	64		5320	17.74		PASS
	100		5500	17.68		PASS
	116		5580	17.67		PASS
	140		5700	17.68		PASS
IEEE 802.11n_40	38		5190	36.29		PASS
	46		5230	36.30		PASS
	54		5270	35.42		PASS
	62		5310	36.04		PASS
	110		5550	36.29		PASS
	134		5670	36.32		PASS
IEEE 802.11ac_20	36		5180	17.54		PASS
	40		5200	16.49		PASS
	48		5240	17.21		PASS
	52		5260	16.91		PASS
	60		5300	17.16		PASS
	64		5320	17.53		PASS
	100		5500	16.64		PASS
	116		5580	17.24		PASS
	140		5700	16.32		PASS
IEEE 802.11ac_40	38		5190	36.27		PASS
	46		5230	36.30		PASS
	54		5270	35.72		PASS
	62		5310	36.07		PASS
	110		5550	36.30		PASS
	134		5670	36.31		PASS
IEEE 802.11ac_80	42		5210	75.62		PASS
	58		5290	75.65		PASS
	106		5530	75.51		PASS
	122		5610	75.35		PASS

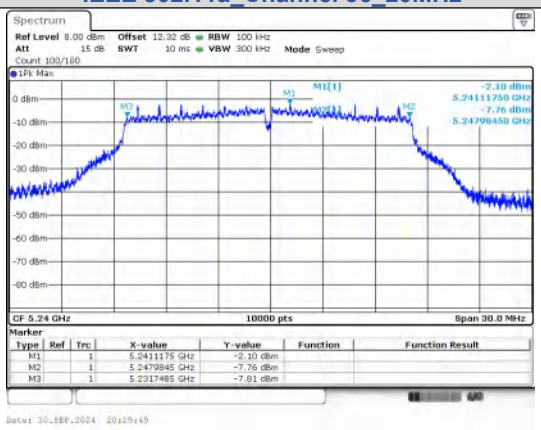
Test Graphs



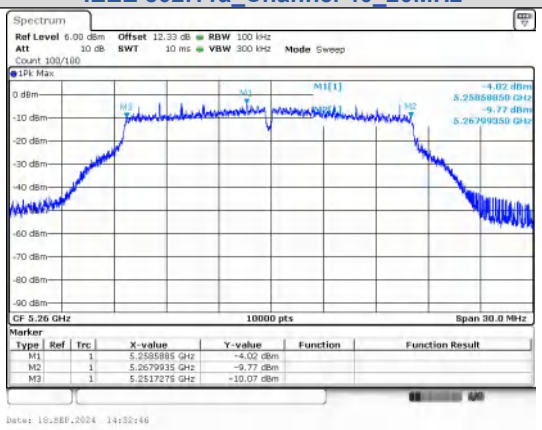
IEEE 802.11a_Channel 36_20MHz



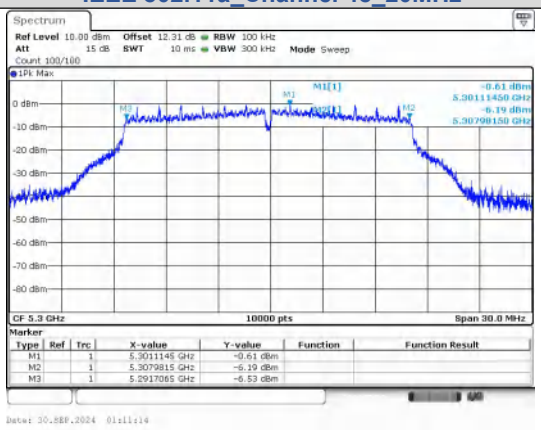
IEEE 802.11a_Channel 40_20MHz



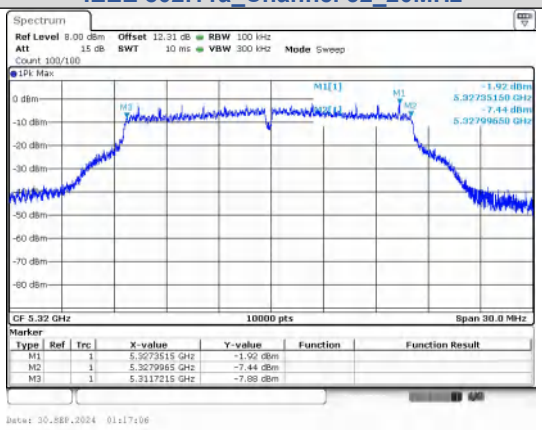
IEEE 802.11a_Channel 48_20MHz



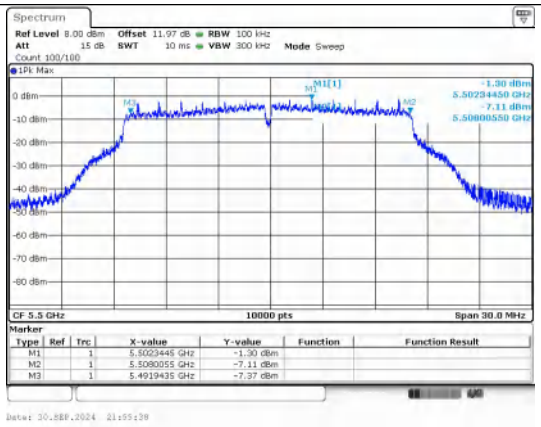
IEEE 802.11a_Channel 52_20MHz



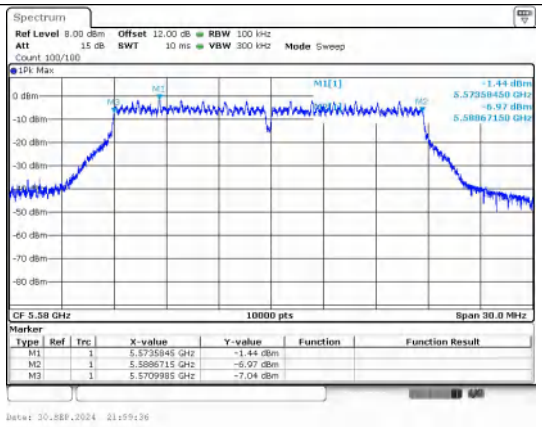
IEEE 802.11a_Channel 60_20MHz



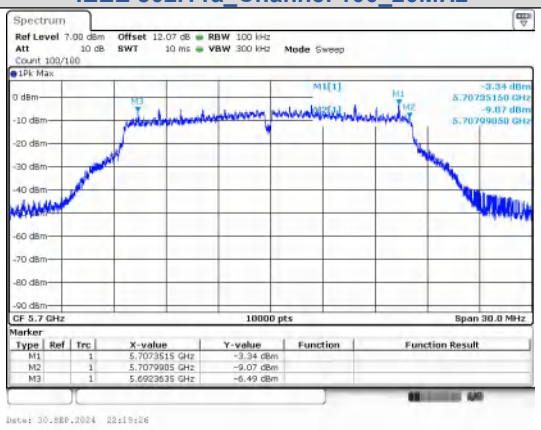
IEEE 802.11a_Channel 64_20MHz



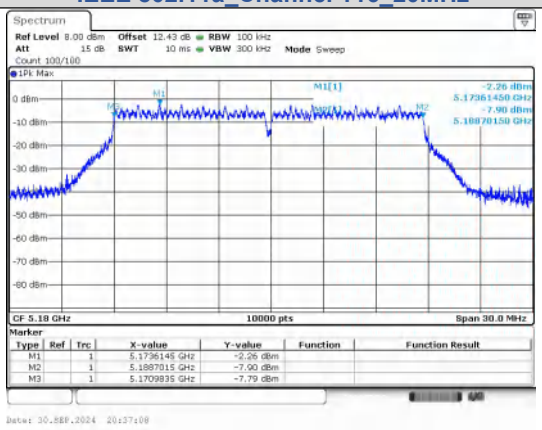
IEEE 802.11a_Channel 100_20MHz



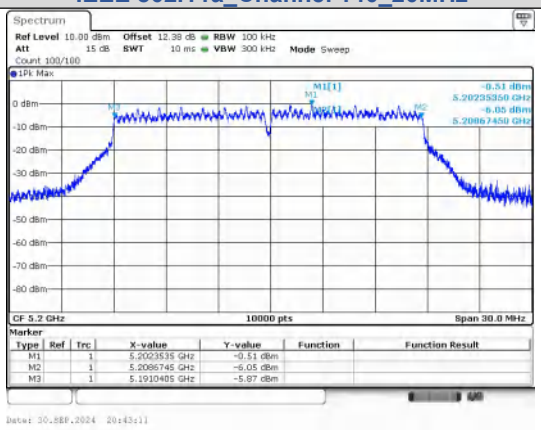
IEEE 802.11a_Channel 116_20MHz



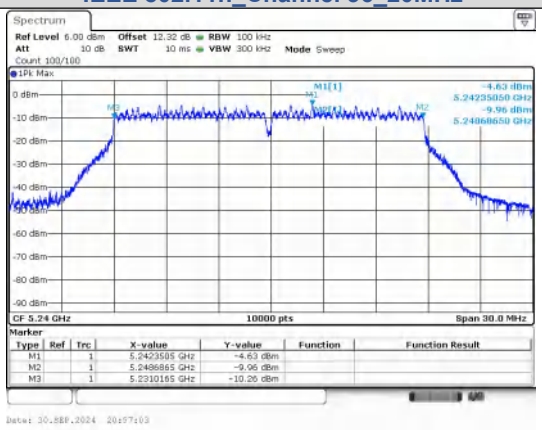
IEEE 802.11a_Channel 140_20MHz



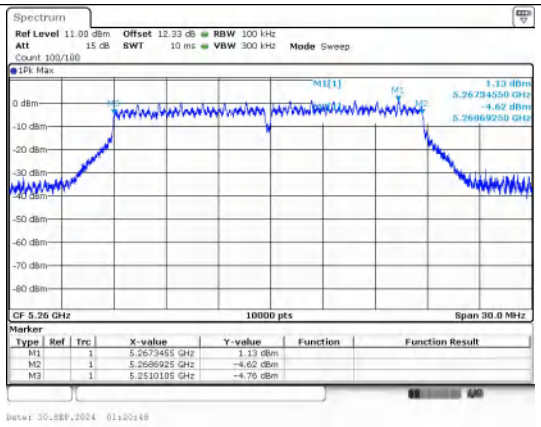
IEEE 802.11n_Channel 36_20MHz



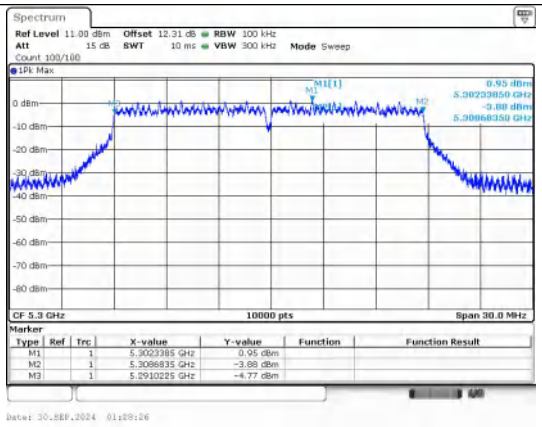
IEEE 802.11n_Channel 40_20MHz



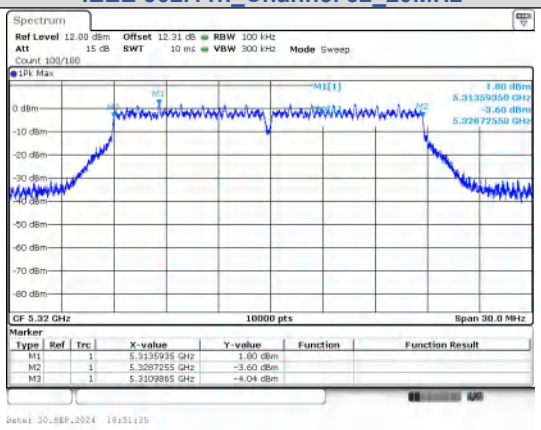
IEEE 802.11n_Channel 48_20MHz



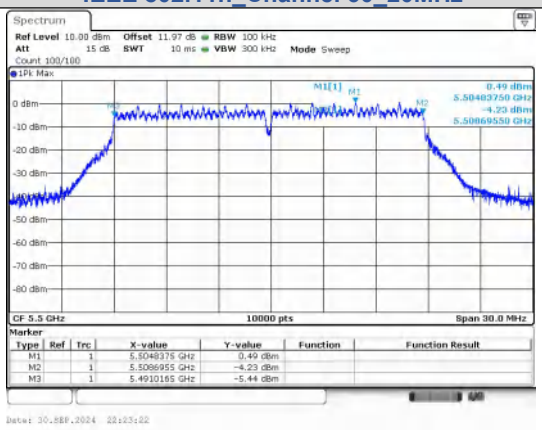
IEEE 802.11n_Channel 52_20MHz



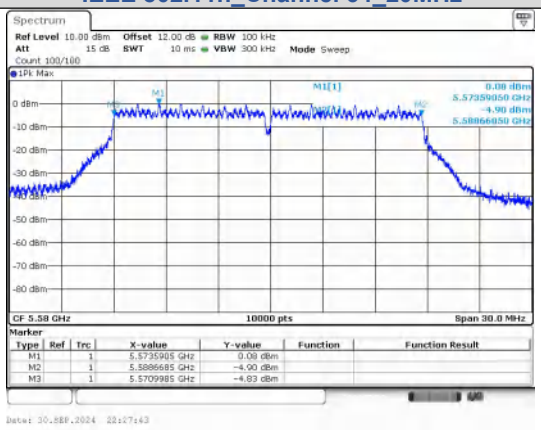
IEEE 802.11n_Channel 60_20MHz



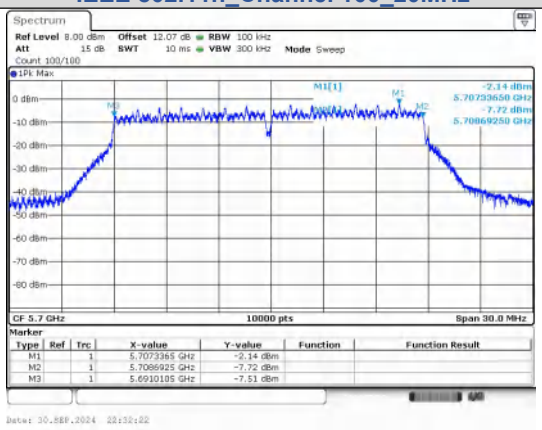
IEEE 802.11n_Channel 64_20MHz



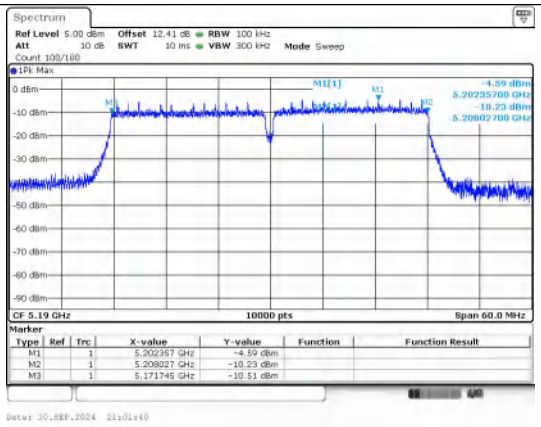
IEEE 802.11n_Channel 100_20MHz



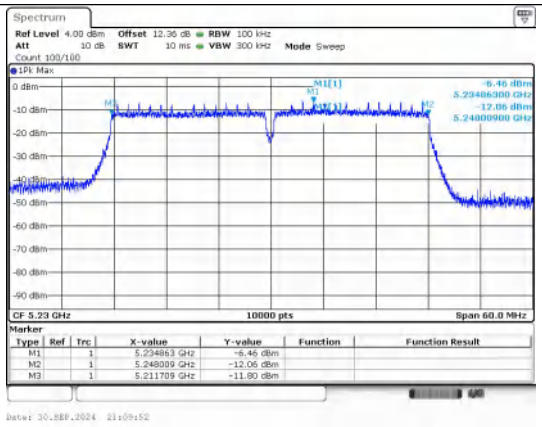
IEEE 802.11n_Channel 116_20MHz



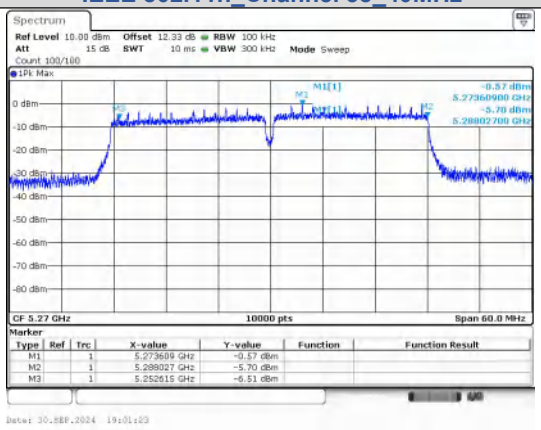
IEEE 802.11n_Channel 140_20MHz



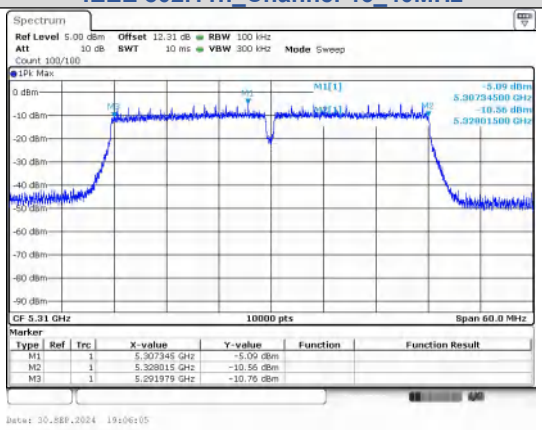
IEEE 802.11n_Channel 38_40MHz



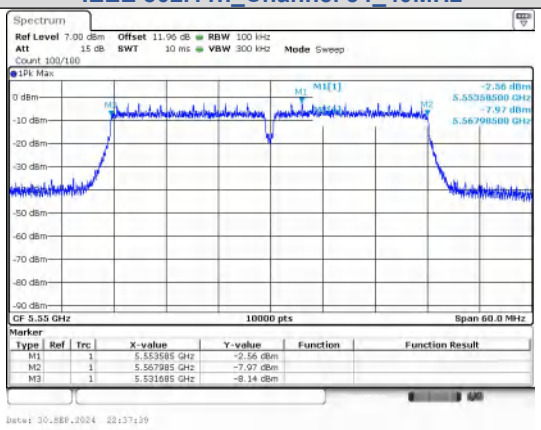
IEEE 802.11n_Channel 46_40MHz



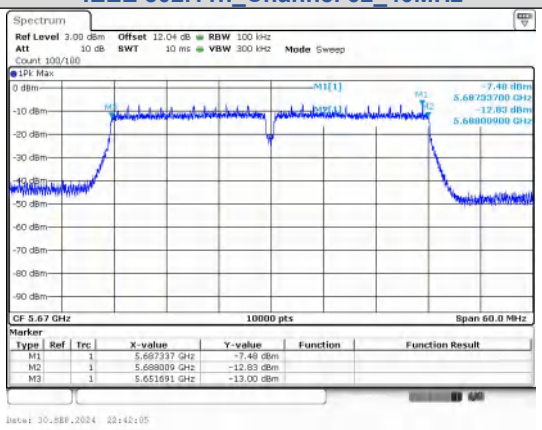
IEEE 802.11n_Channel 54_40MHz



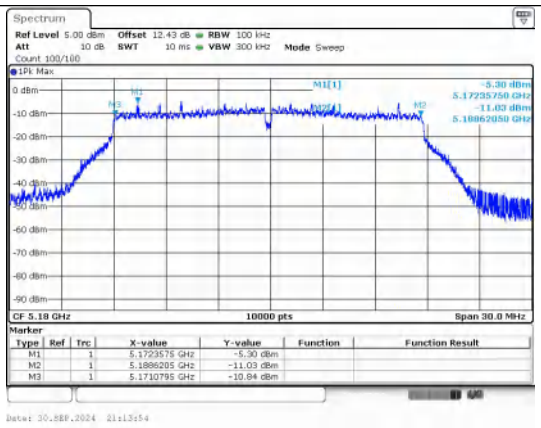
IEEE 802.11n_Channel 62_40MHz



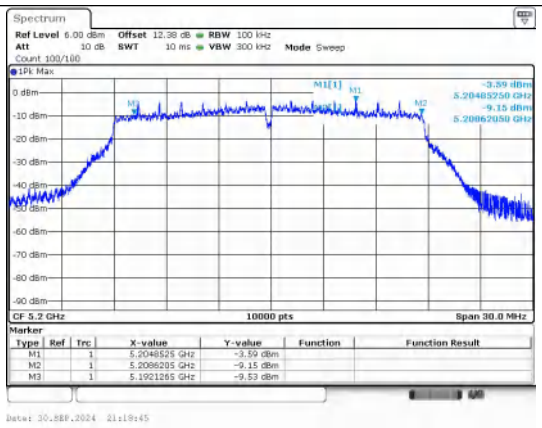
IEEE 802.11n_Channel 110_40MHz



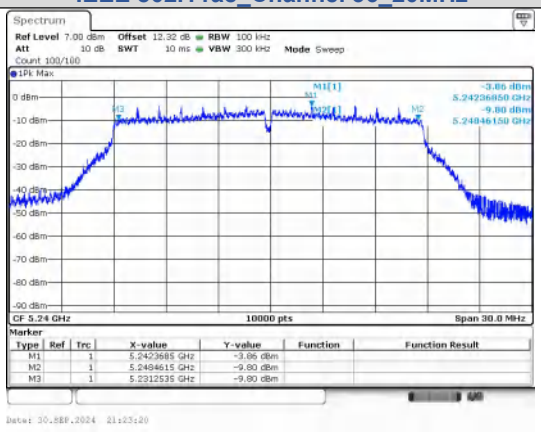
IEEE 802.11n_Channel 134_40MHz



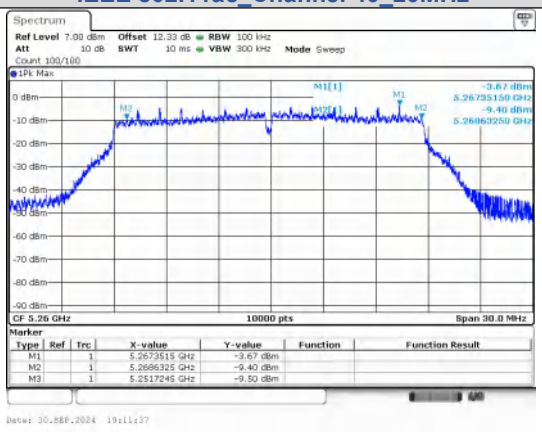
IEEE 802.11ac_Channel 36_20MHz



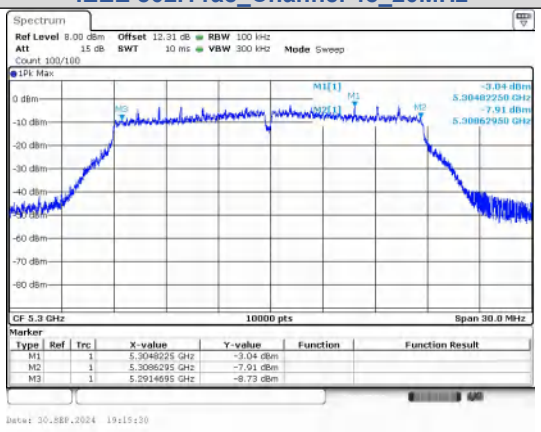
IEEE 802.11ac_Channel 40_20MHz



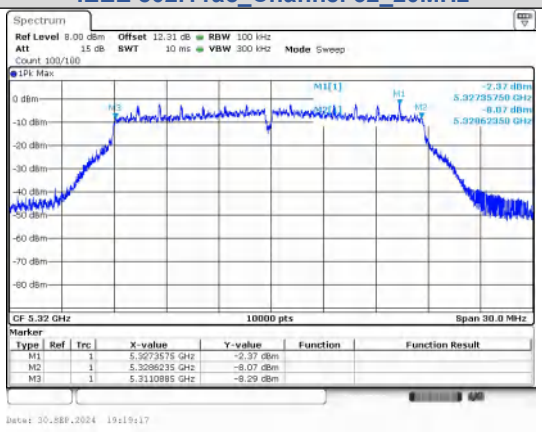
IEEE 802.11ac_Channel 48_20MHz



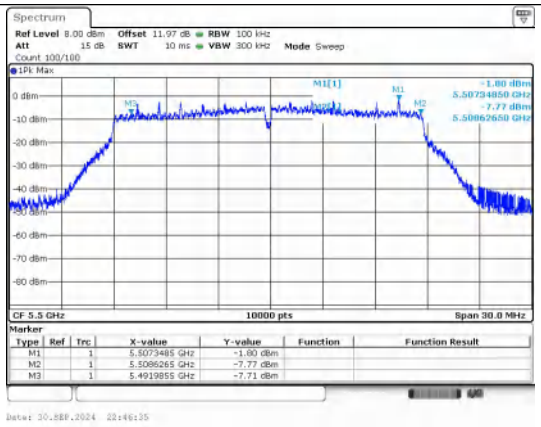
IEEE 802.11ac_Channel 52_20MHz



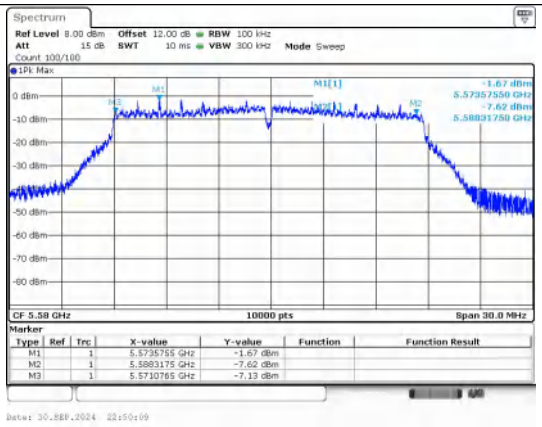
IEEE 802.11ac_Channel 60_20MHz



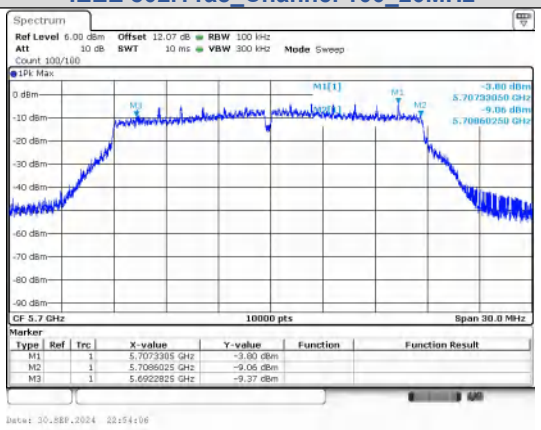
IEEE 802.11ac_Channel 64_20MHz



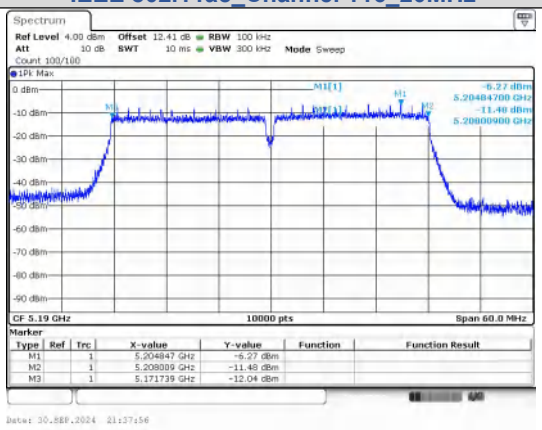
IEEE 802.11ac_Channel 100_20MHz



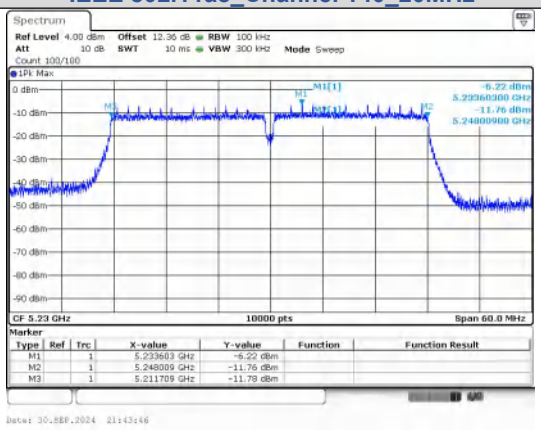
IEEE 802.11ac_Channel 116_20MHz



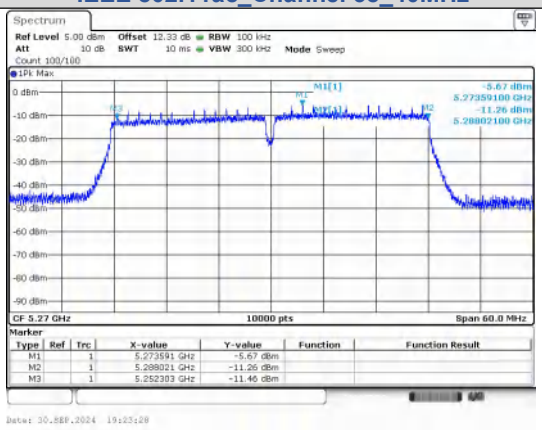
IEEE 802.11ac_Channel 140_20MHz



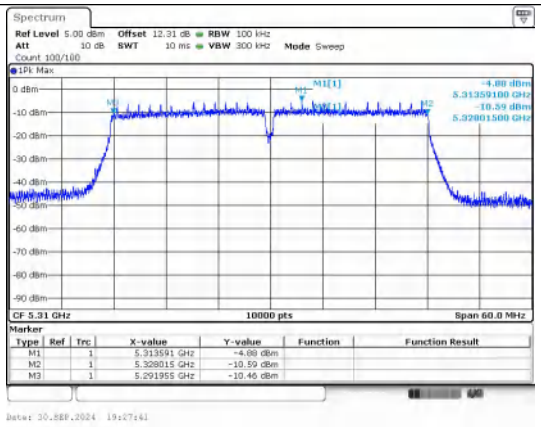
IEEE 802.11ac_Channel 38_40MHz



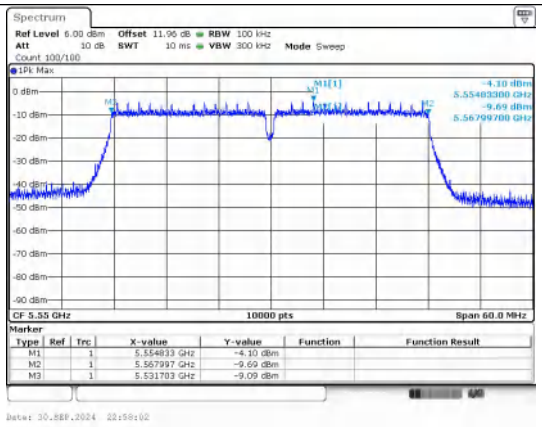
IEEE 802.11ac_Channel 46_40MHz



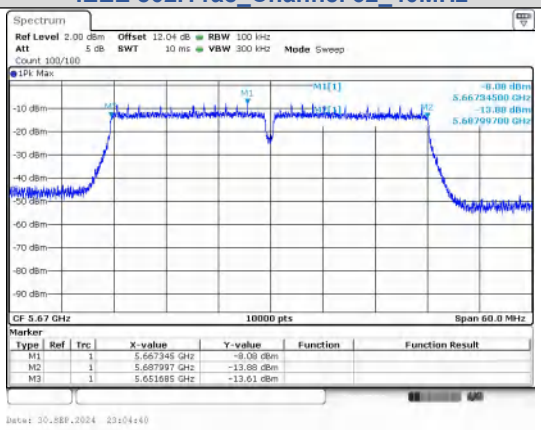
IEEE 802.11ac_Channel 54_40MHz



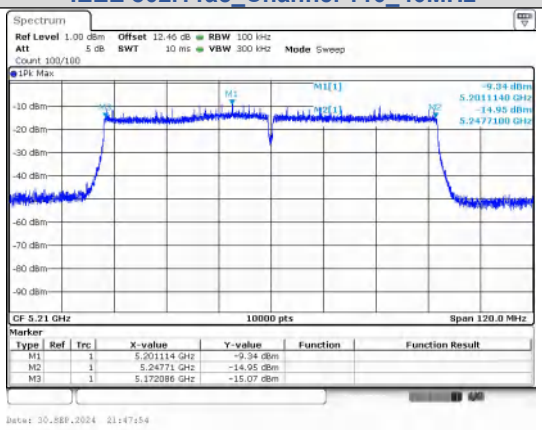
IEEE 802.11ac_Channel 62_40MHz



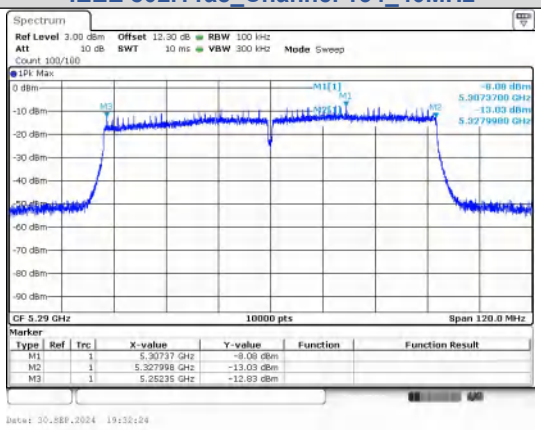
IEEE 802.11ac_Channel 110_40MHz



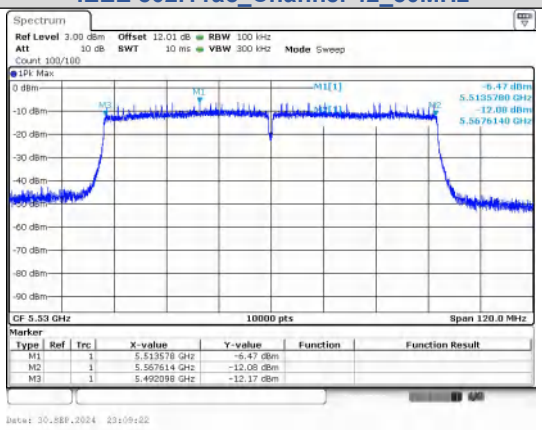
IEEE 802.11ac_Channel 134_40MHz



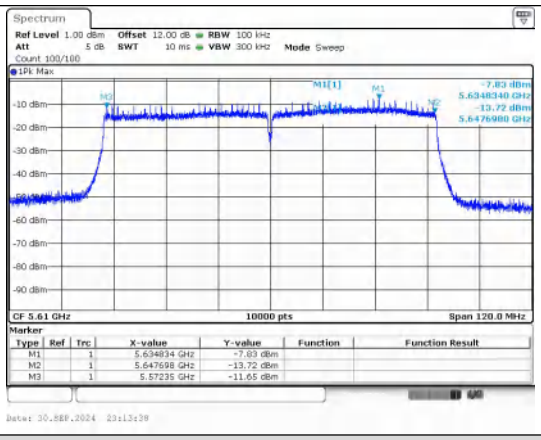
IEEE 802.11ac_Channel 42_80MHz



IEEE 802.11ac_Channel 58_80MHz



IEEE 802.11ac_Channel 106_80MHz



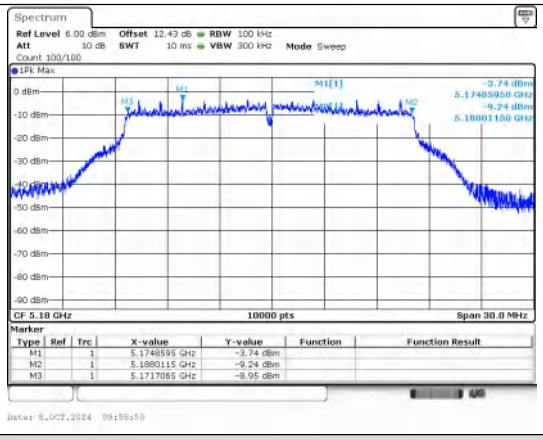
IEEE 802.11ac_Channel 122_80MHz

ANT2:

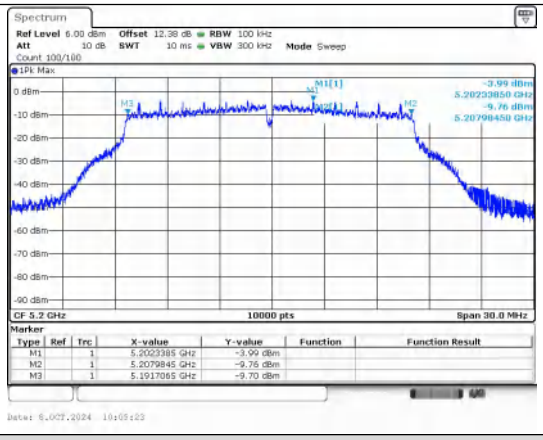
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	2	5180	16.30	≥0.5	PASS
	40		5200	16.27		PASS
	48		5240	16.28		PASS
	52		5260	15.90		PASS
	60		5300	16.31		PASS
	64		5320	16.30		PASS
	100		5500	16.05		PASS
	116		5580	16.04		PASS
	140		5700	15.62		PASS
IEEE 802.11n_20	36		5180	17.71		PASS
	40		5200	17.68		PASS
	48		5240	17.70		PASS
	52		5260	17.69		PASS
	60		5300	17.68		PASS
	64		5320	17.70		PASS
	100		5500	17.62		PASS
	116		5580	17.70		PASS
	140		5700	17.64		PASS
IEEE 802.11n_40	38		5190	36.28		PASS
	46		5230	36.31		PASS
	54		5270	35.90		PASS
	62		5310	36.33		PASS
	110		5550	36.27		PASS
	134		5670	36.29		PASS
IEEE 802.11ac_20	36		5180	17.54		PASS
	40		5200	16.64		PASS
	48		5240	17.53		PASS
	52		5260	16.29		PASS
	60		5300	16.69		PASS
	64		5320	17.14		PASS
	100		5500	17.27		PASS
	116		5580	17.26		PASS
	140		5700	16.34		PASS
IEEE 802.11ac_40	38		5190	36.28		PASS
	46		5230	36.30		PASS
	54		5270	35.64		PASS
	62		5310	35.66		PASS
	110		5550	36.30		PASS
	134		5670	36.29		PASS
IEEE 802.11ac_80	42		5210	75.38		PASS
	58		5290	51.89		PASS
	106		5530	75.23		PASS
	122		5610	75.10		PASS

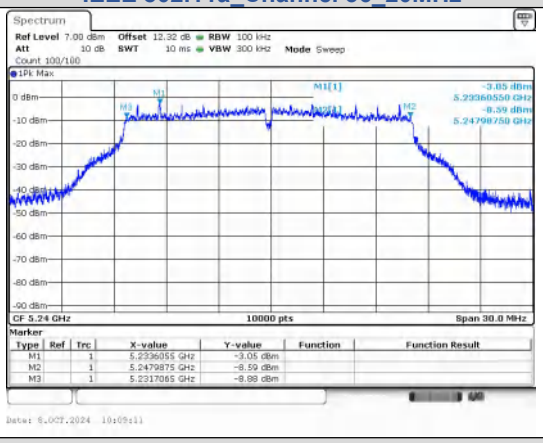
Test Graphs



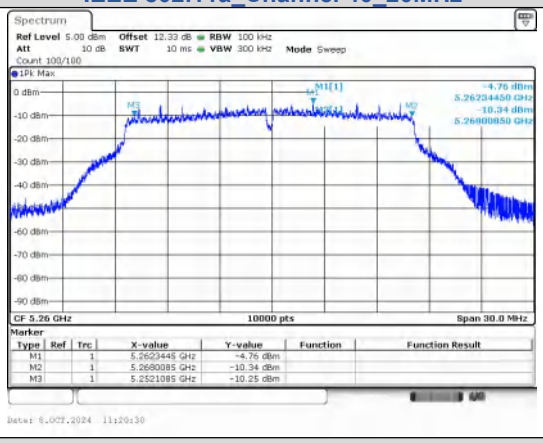
IEEE 802.11a_Channel 36_20MHz



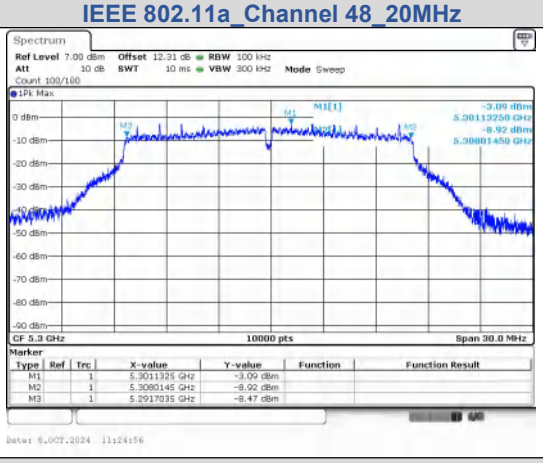
IEEE 802.11a_Channel 40_20MHz



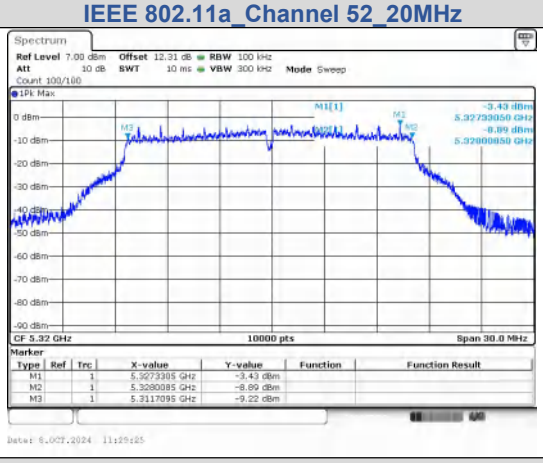
IEEE 802.11a_Channel 48_20MHz



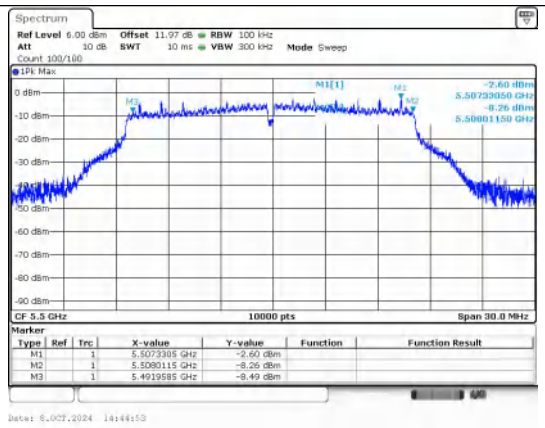
IEEE 802.11a_Channel 52_20MHz



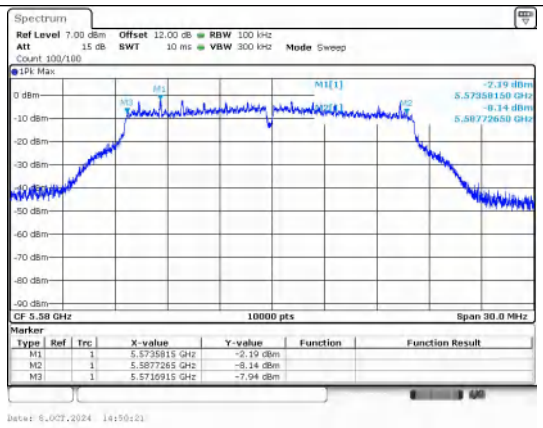
IEEE 802.11a_Channel 60_20MHz



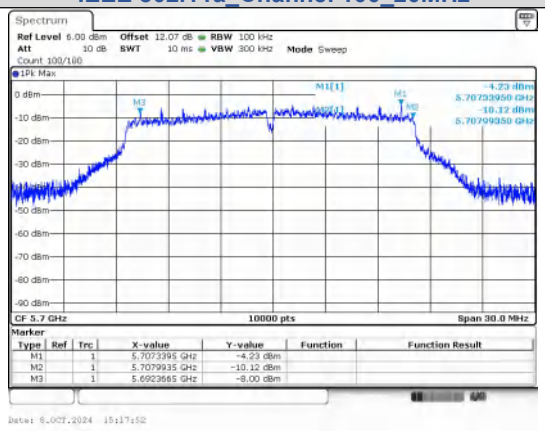
IEEE 802.11a_Channel 64_20MHz



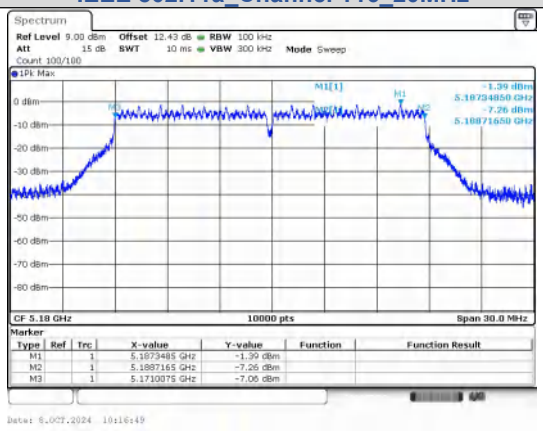
IEEE 802.11a_Channel 100_20MHz



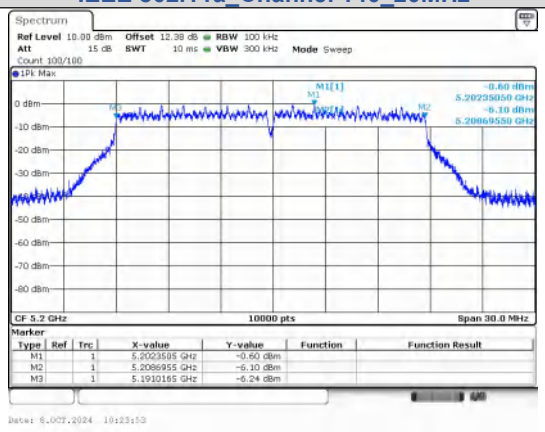
IEEE 802.11a_Channel 116_20MHz



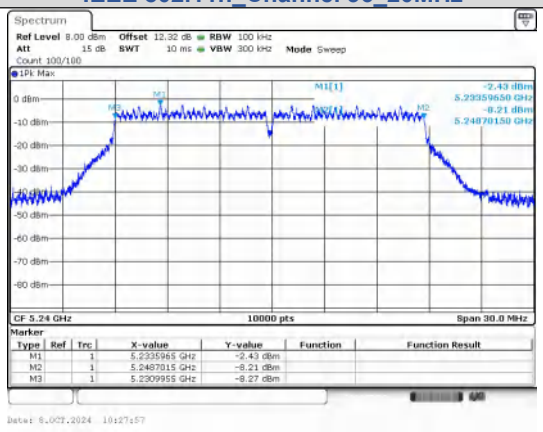
IEEE 802.11a_Channel 140_20MHz



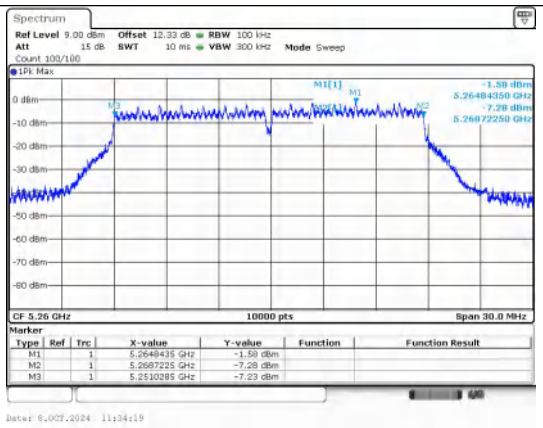
IEEE 802.11n_Channel 36_20MHz



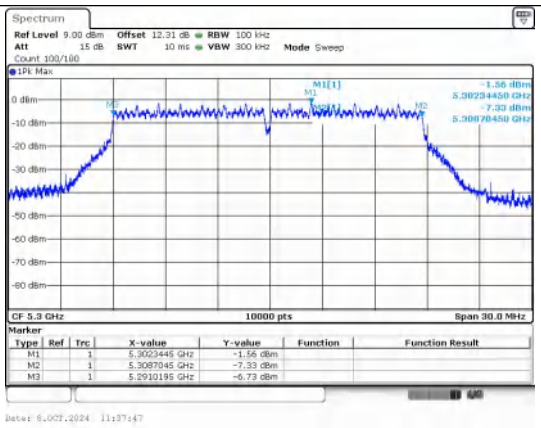
IEEE 802.11n_Channel 40_20MHz



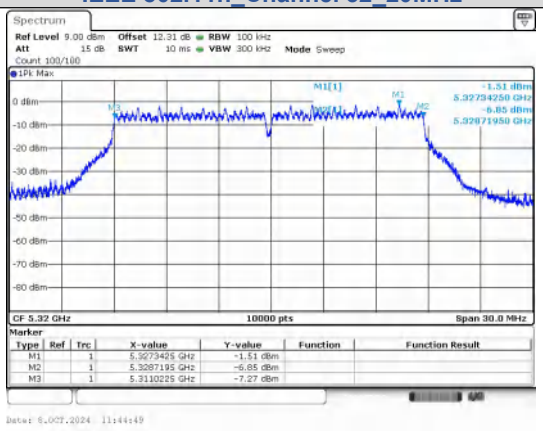
IEEE 802.11n_Channel 48_20MHz



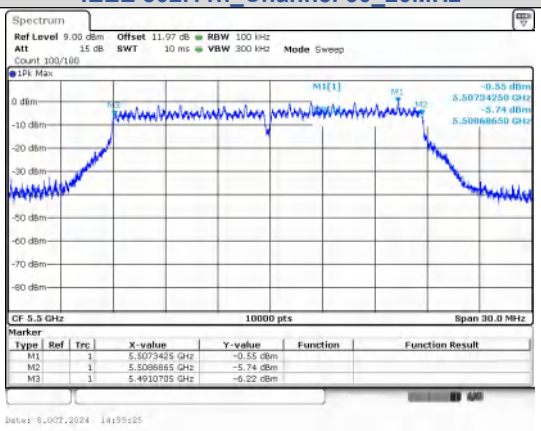
IEEE 802.11n_Channel 52_20MHz



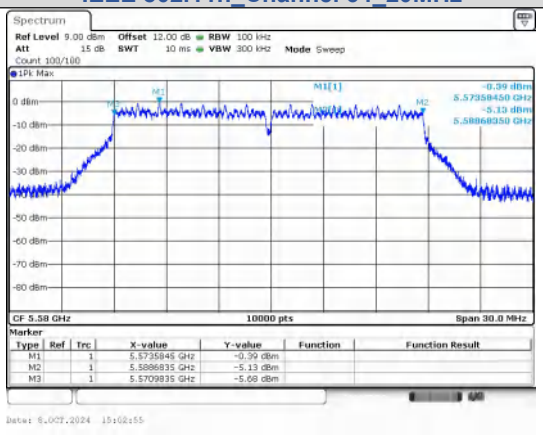
IEEE 802.11n_Channel 60_20MHz



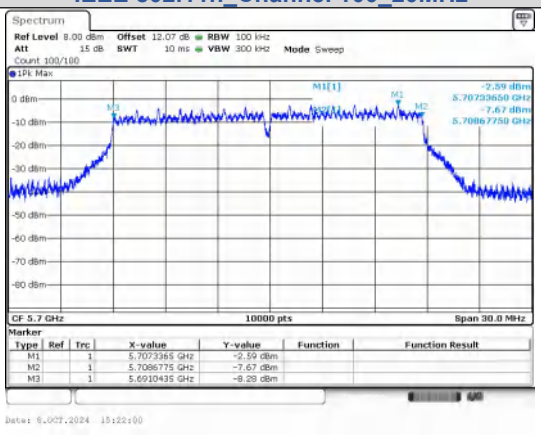
IEEE 802.11n_Channel 64_20MHz



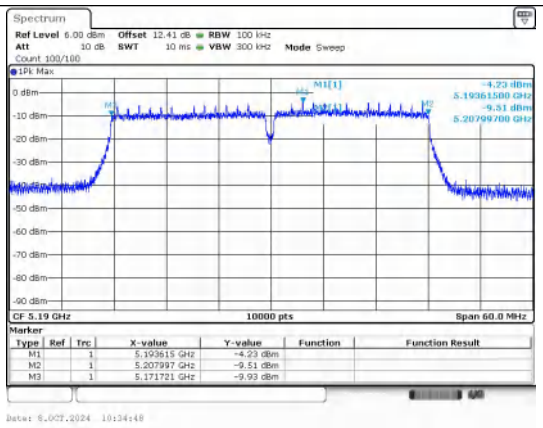
IEEE 802.11n_Channel 100_20MHz



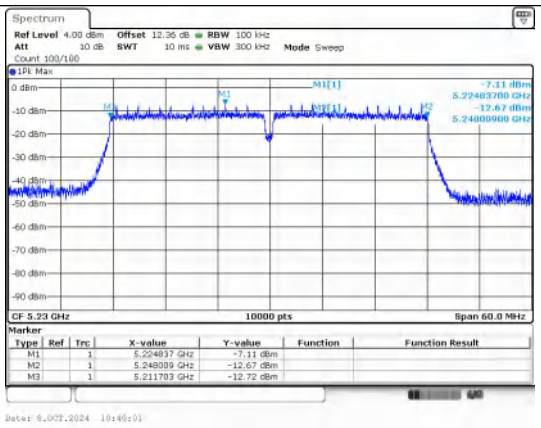
IEEE 802.11n_Channel 116_20MHz



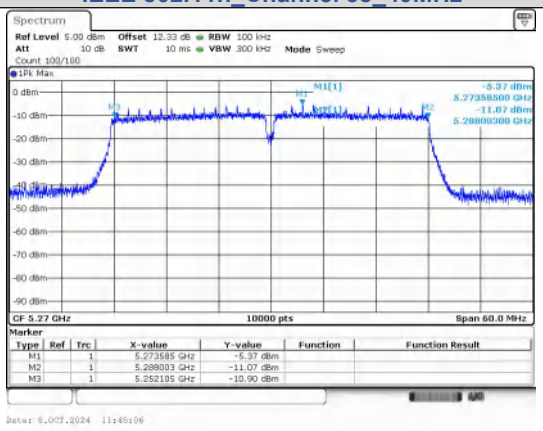
IEEE 802.11n_Channel 140_20MHz



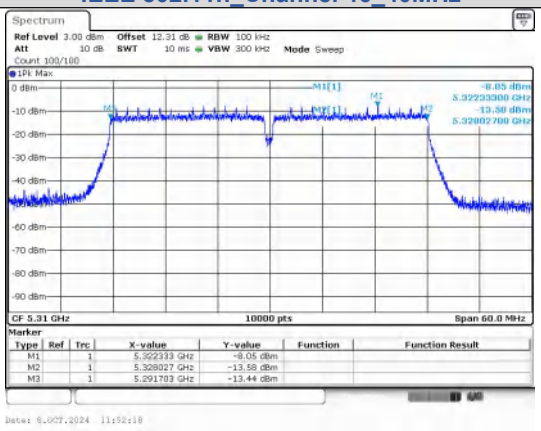
IEEE 802.11n_Channel 38_40MHz



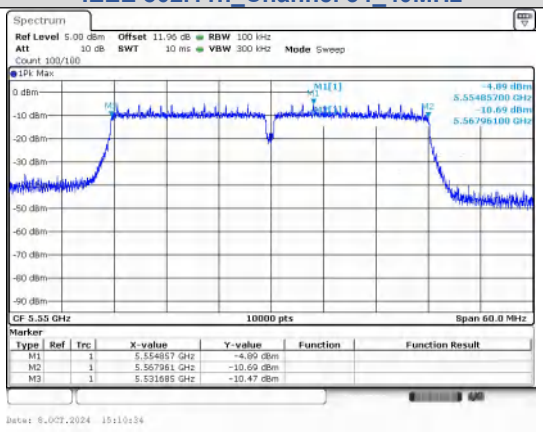
IEEE 802.11n_Channel 46_40MHz



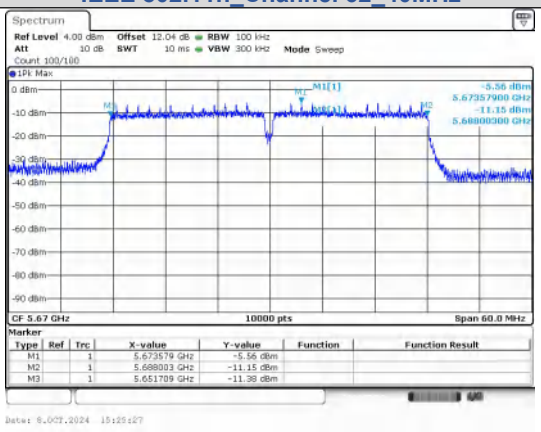
IEEE 802.11n_Channel 54_40MHz



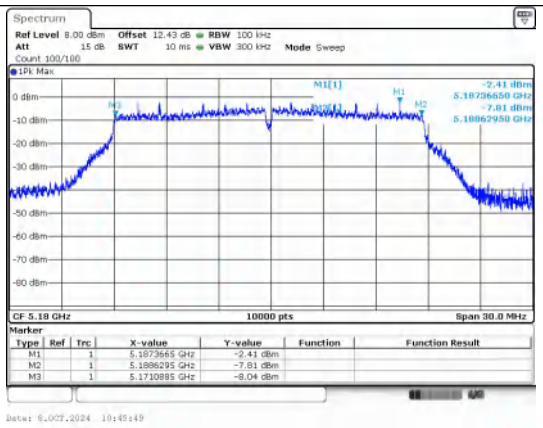
IEEE 802.11n_Channel 62_40MHz



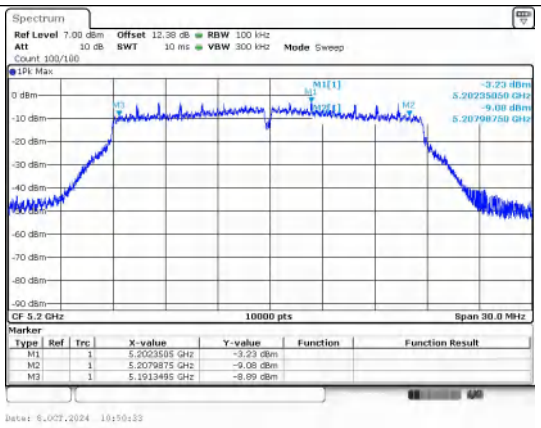
IEEE 802.11n_Channel 110_40MHz



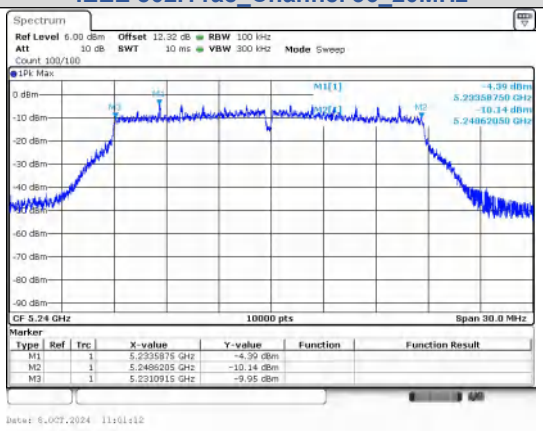
IEEE 802.11n_Channel 134_40MHz



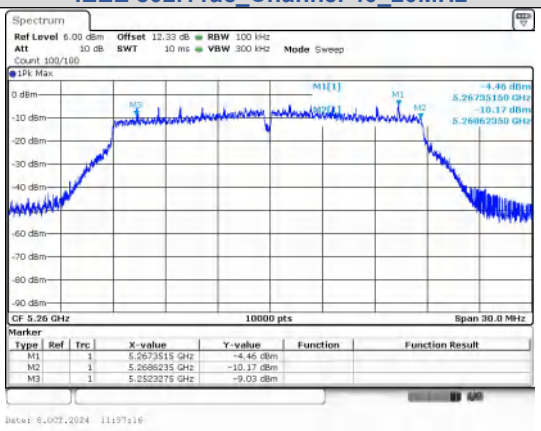
IEEE 802.11ac_Channel 36_20MHz



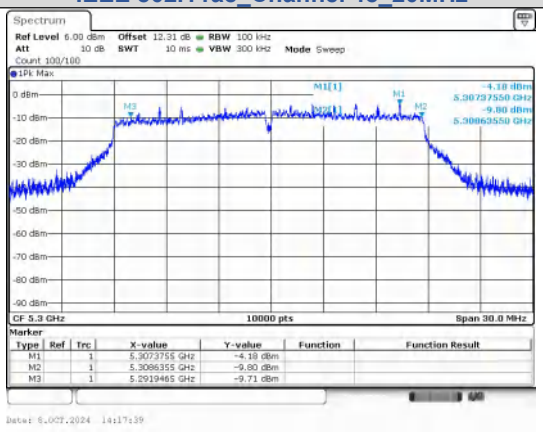
IEEE 802.11ac_Channel 40_20MHz



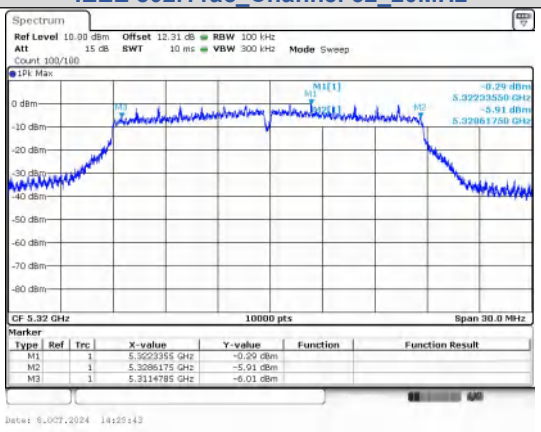
IEEE 802.11ac_Channel 48_20MHz



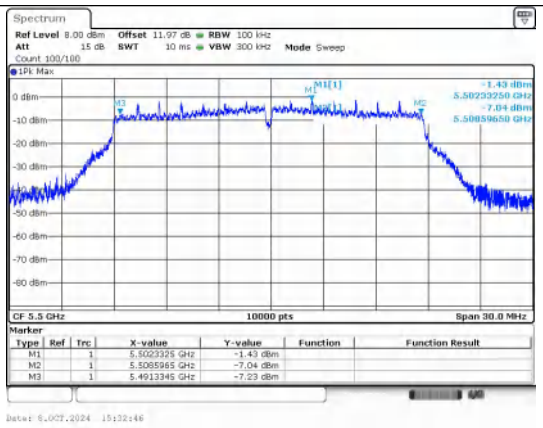
IEEE 802.11ac_Channel 52_20MHz



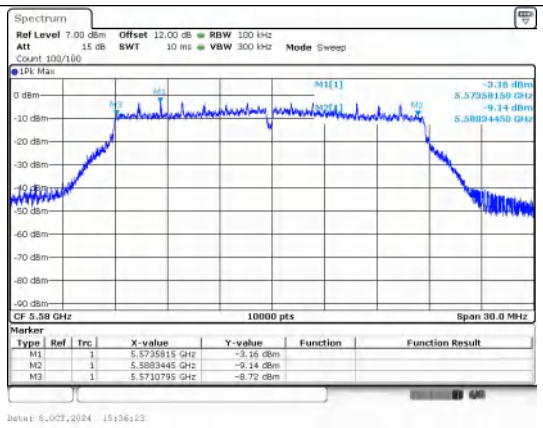
IEEE 802.11ac_Channel 60_20MHz



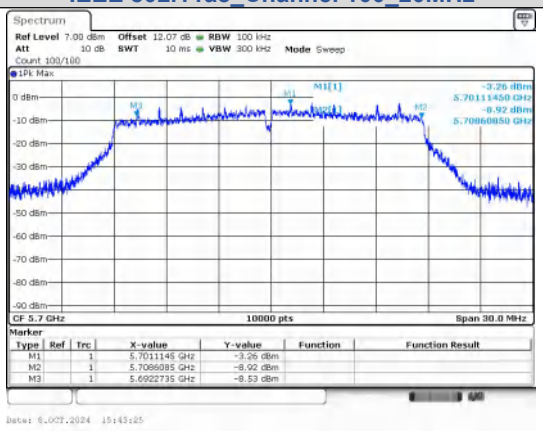
IEEE 802.11ac_Channel 64_20MHz



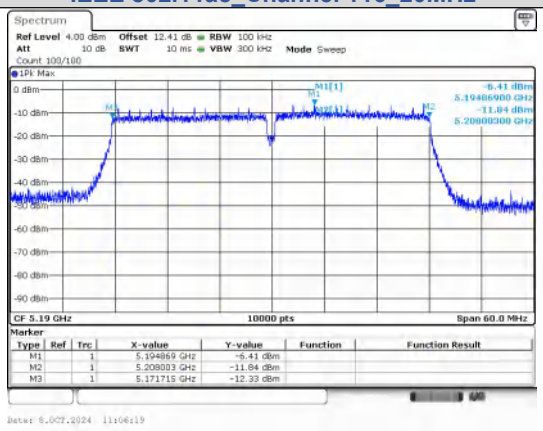
IEEE 802.11ac_Channel 100_20MHz



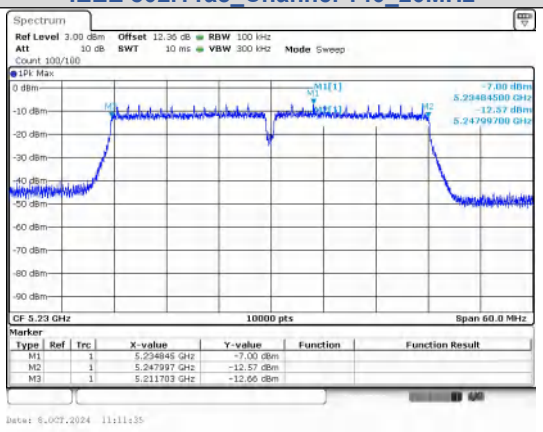
IEEE 802.11ac_Channel 116_20MHz



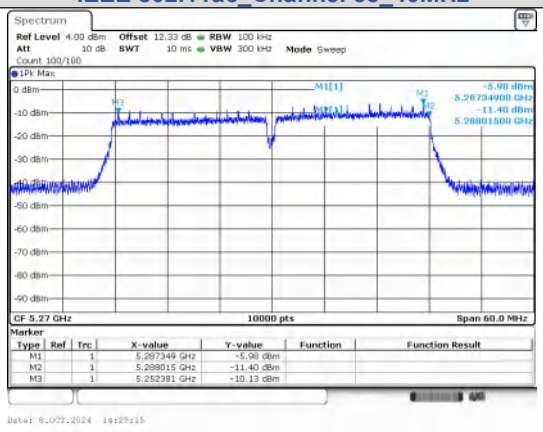
IEEE 802.11ac_Channel 140_20MHz



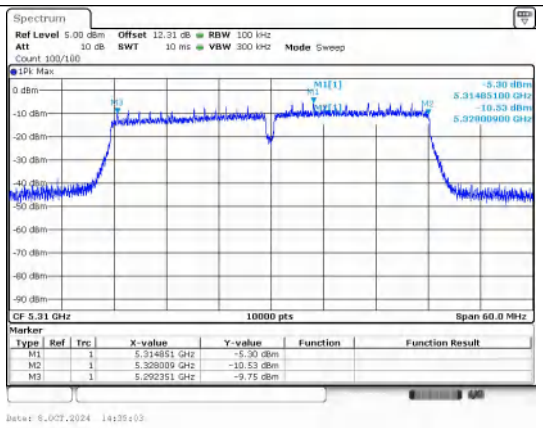
IEEE 802.11ac_Channel 38_40MHz



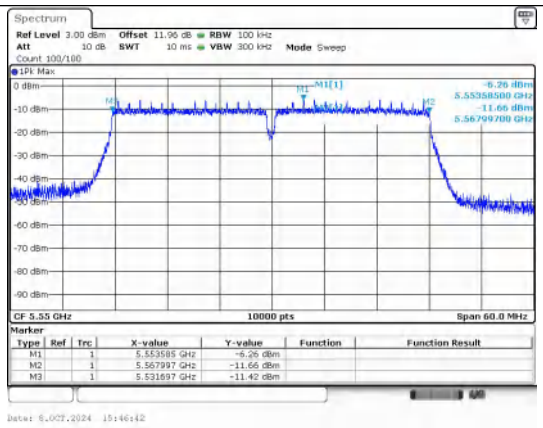
IEEE 802.11ac_Channel 46_40MHz



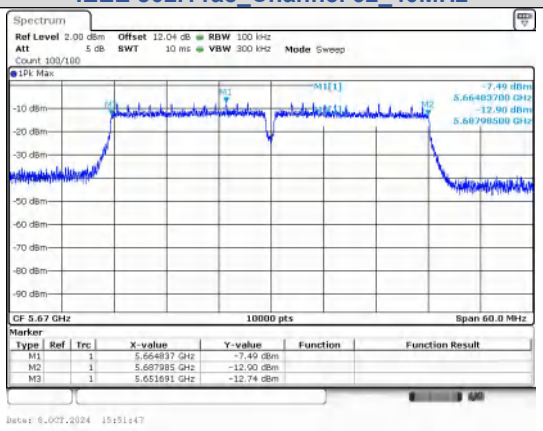
IEEE 802.11ac_Channel 54_40MHz



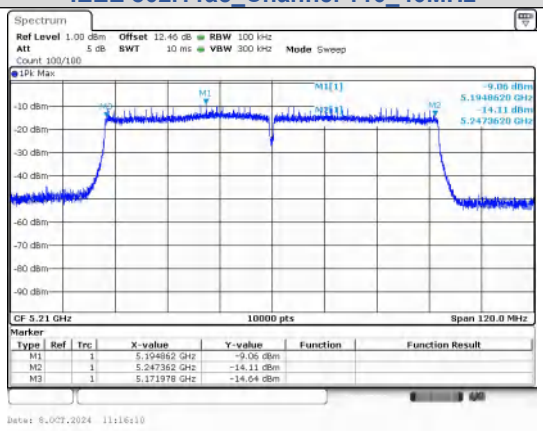
IEEE 802.11ac_Channel 62_40MHz



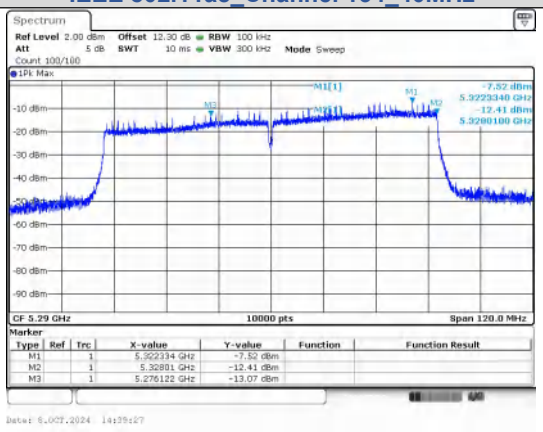
IEEE 802.11ac_Channel 110_40MHz



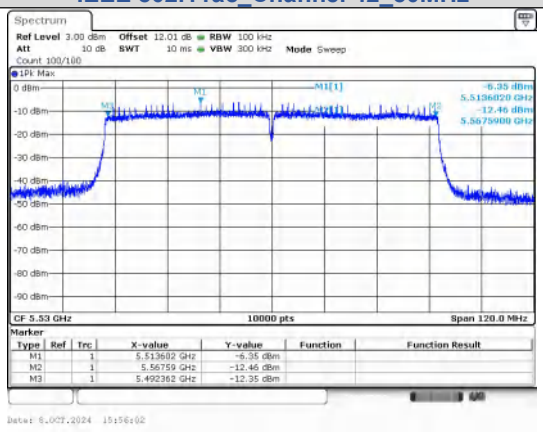
IEEE 802.11ac_Channel 134_40MHz



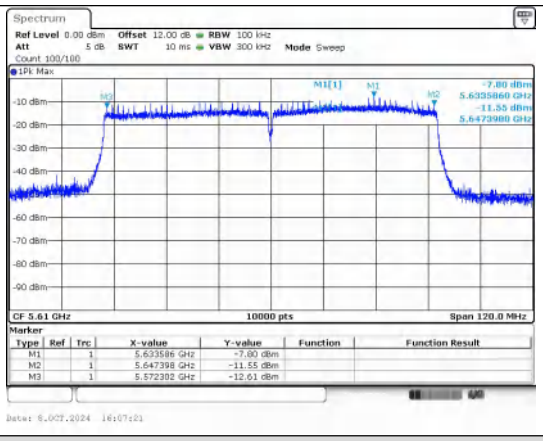
IEEE 802.11ac_Channel 42_80MHz



IEEE 802.11ac_Channel 58_80MHz



IEEE 802.11ac_Channel 106_80MHz



IEEE 802.11ac_Channel 122_80MHz

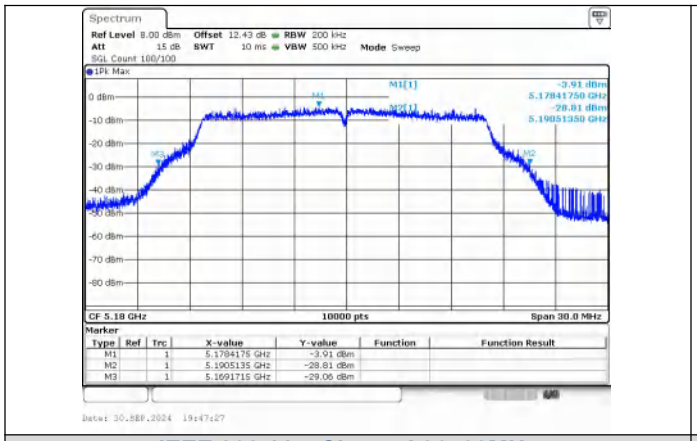
26dB Bandwidth

ANT1:

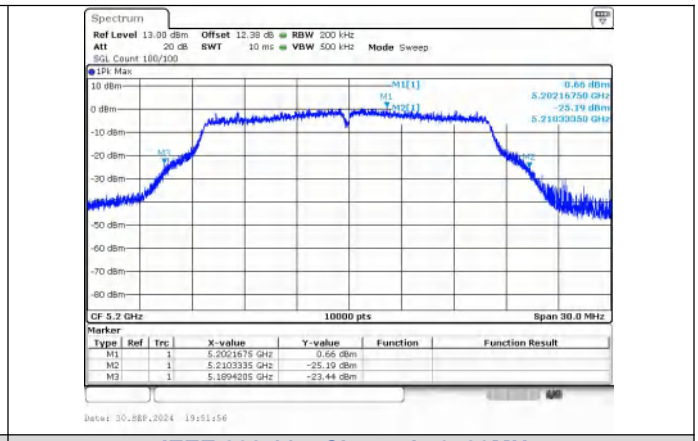
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)
IEEE 802.11a	36	1	5180	21.34
	40		5200	20.91
	48		5240	21.17
	52		5260	21.13
	60		5300	20.83
	64		5320	21.42
	100		5500	21.20
	116		5580	21.37
	140		5700	21.22
IEEE 802.11n_20	36		5180	21.44
	40		5200	21.32
	48		5240	21.28
	52		5260	21.45
	60		5300	21.45
	64		5320	21.64
	100		5500	21.42
	116		5580	21.53
	140		5700	21.30
IEEE 802.11n_40	38		5190	40.14
	46		5230	40.28
	54		5270	54.16
	62		5310	40.30
	110		5550	40.24
	134		5670	40.16
IEEE 802.11ac_20	36		5180	21.42
	40		5200	21.25
	48		5240	21.19
	52		5260	21.71
	60		5300	21.25
	64		5320	21.21
	100		5500	21.51
	116		5580	21.48
	140		5700	21.16
IEEE 802.11ac_40	38		5190	40.21
	46		5230	40.22
	54		5270	40.22
	62		5310	40.30
	110		5550	40.20
	134		5670	40.33
IEEE 802.11ac_80	42		5210	81.75
	58		5290	81.60
	106		5530	81.95
	122		5610	82.38

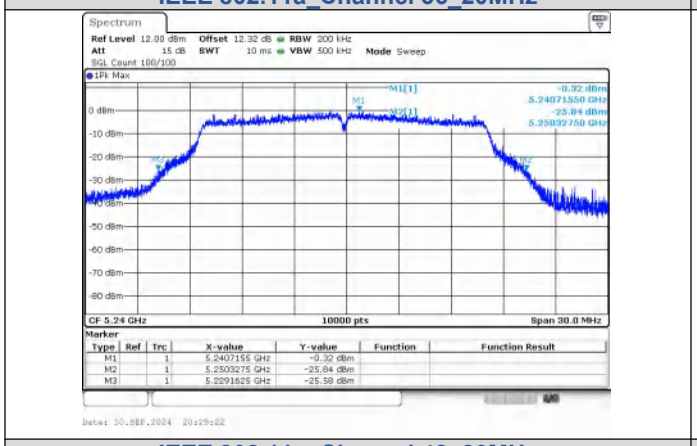
Test Graphs



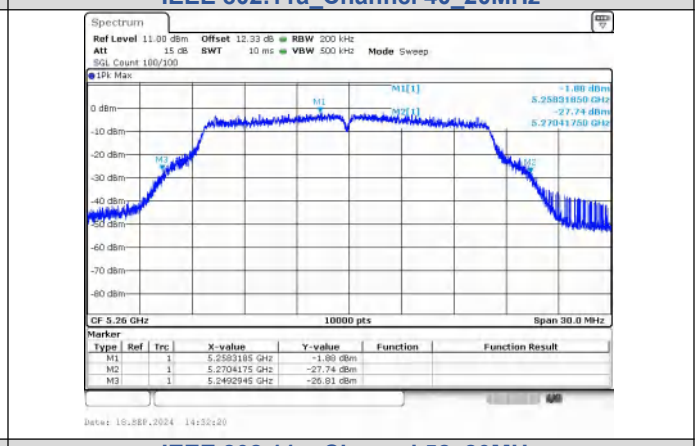
IEEE 802.11a_Channel 36_20MHz



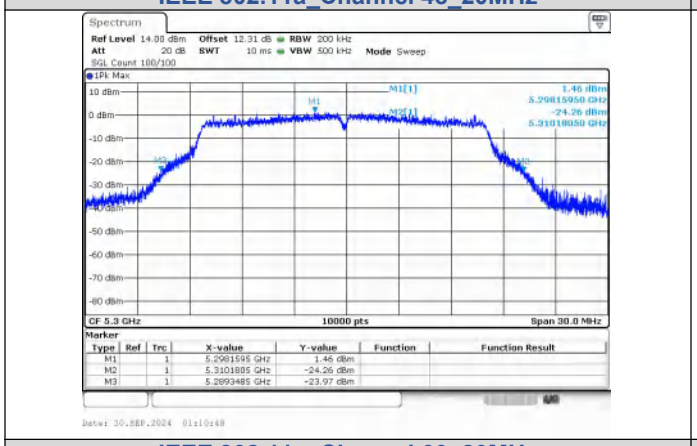
IEEE 802.11a_Channel 40_20MHz



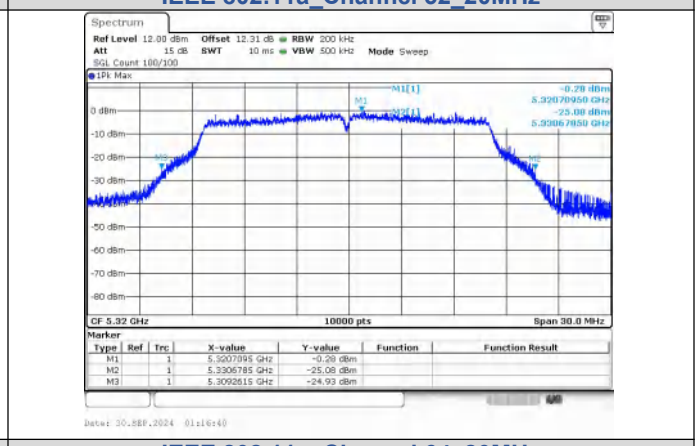
IEEE 802.11a_Channel 48_20MHz



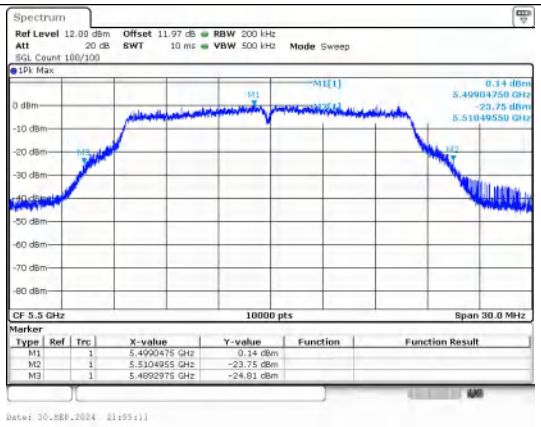
IEEE 802.11a_Channel 52_20MHz



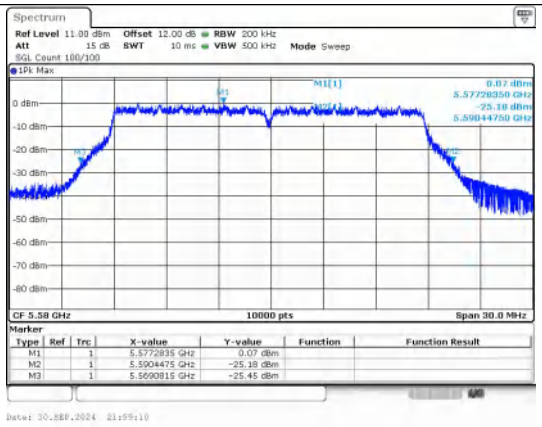
IEEE 802.11a_Channel 60_20MHz



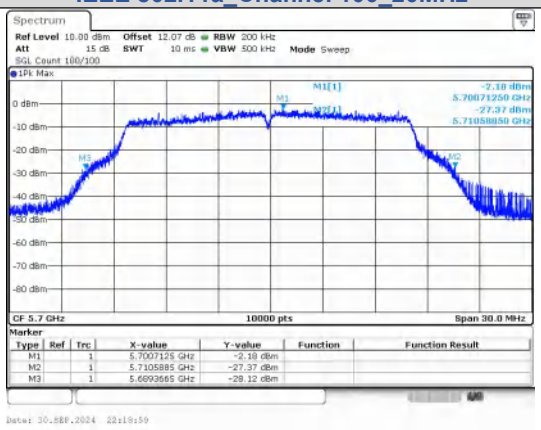
IEEE 802.11a_Channel 64_20MHz



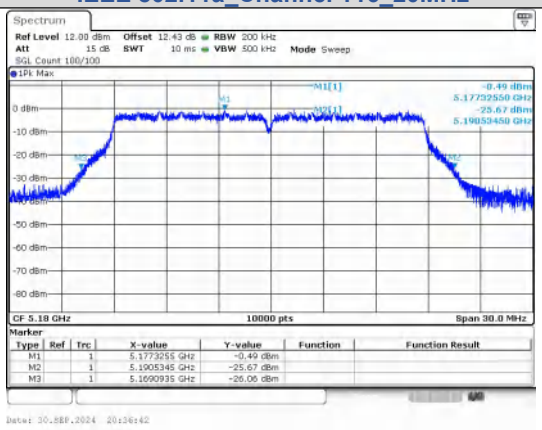
IEEE 802.11a_Channel 100_20MHz



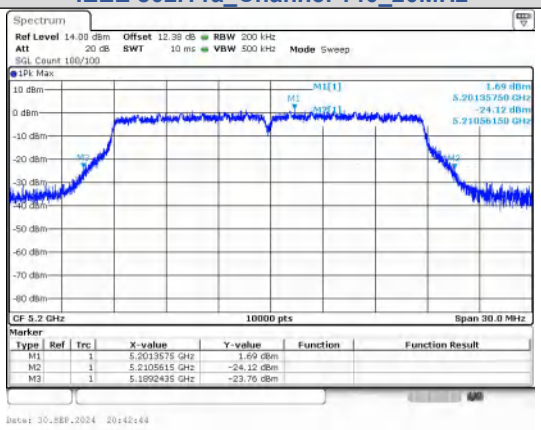
IEEE 802.11a_Channel 116_20MHz



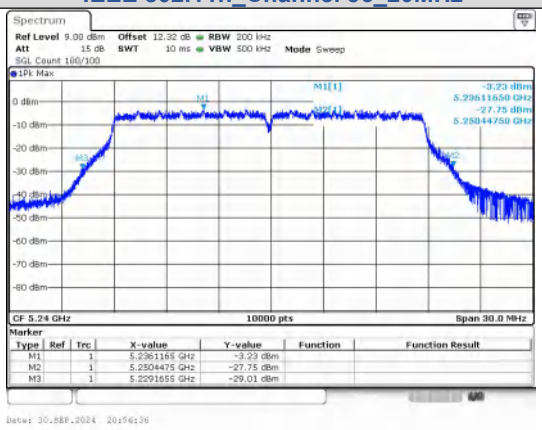
IEEE 802.11a_Channel 140_20MHz



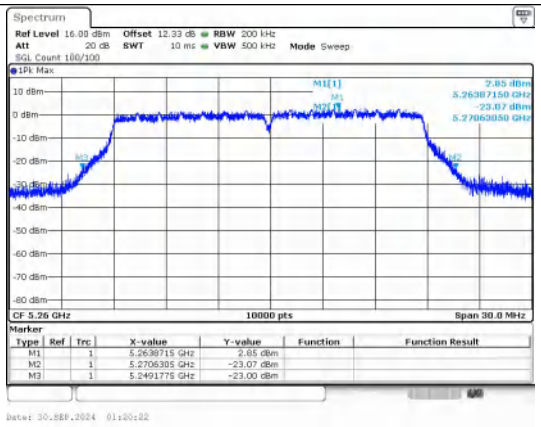
IEEE 802.11n_Channel 36_20MHz



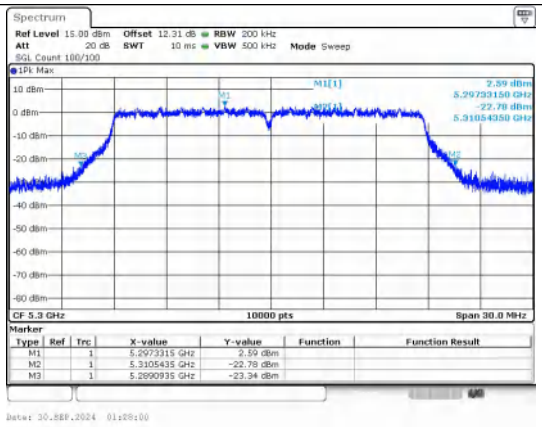
IEEE 802.11n_Channel 40_20MHz



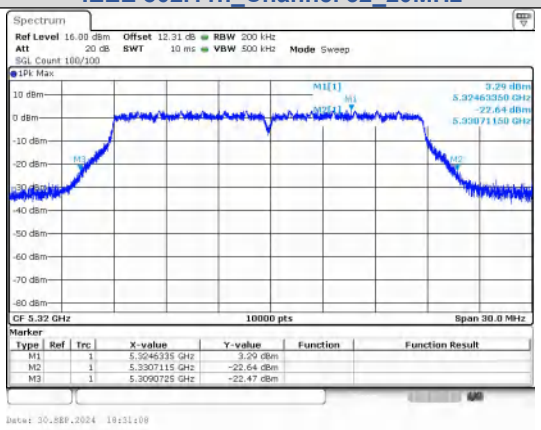
IEEE 802.11n_Channel 48_20MHz



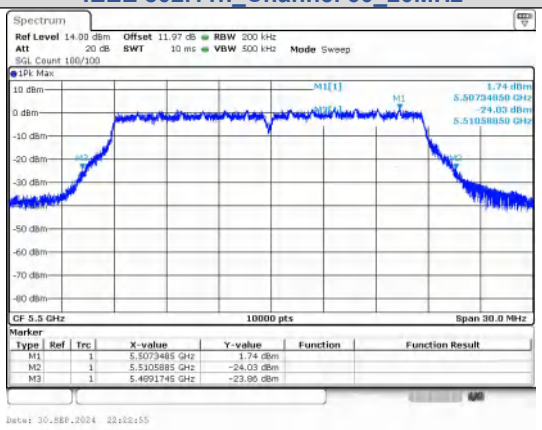
IEEE 802.11n_Channel 52_20MHz



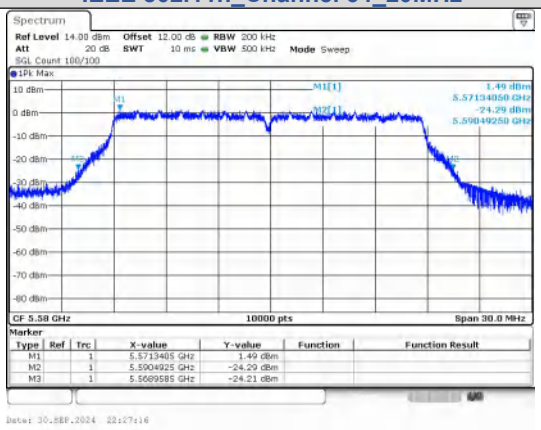
IEEE 802.11n_Channel 60_20MHz



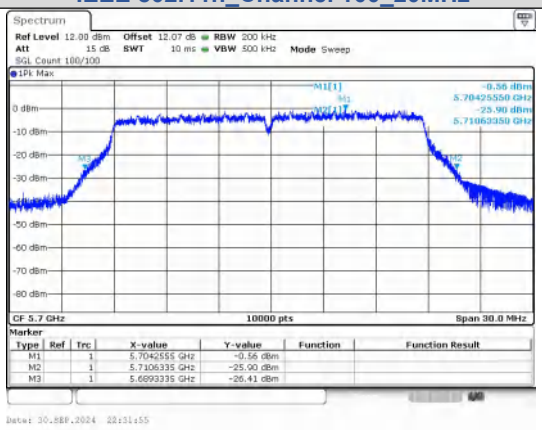
IEEE 802.11n_Channel 64_20MHz



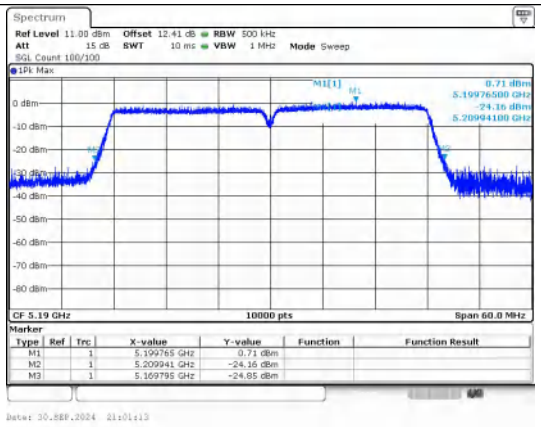
IEEE 802.11n_Channel 100_20MHz



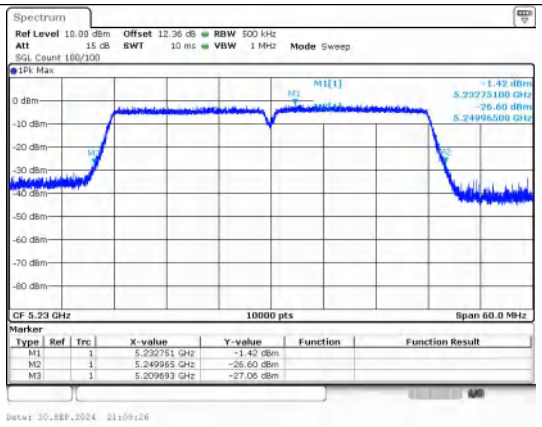
IEEE 802.11n_Channel 116_20MHz



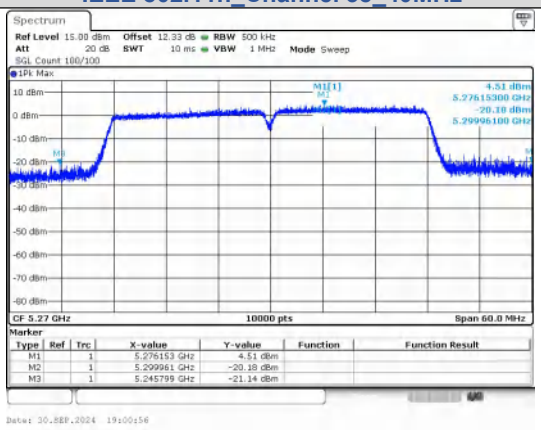
IEEE 802.11n_Channel 140_20MHz



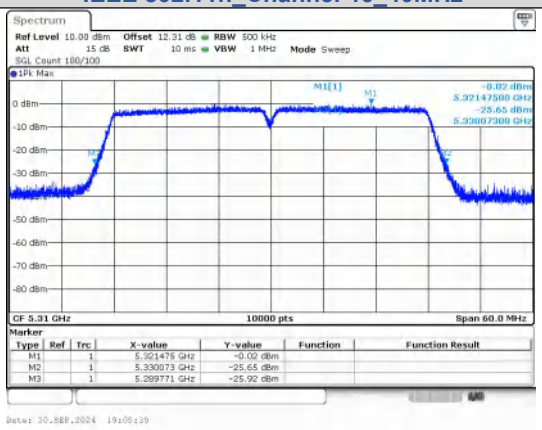
IEEE 802.11n_Channel 38_40MHz



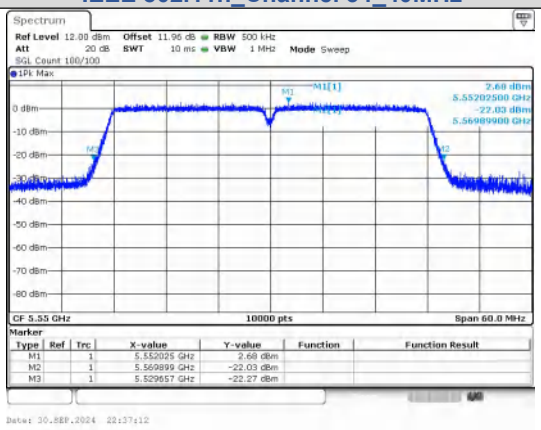
IEEE 802.11n_Channel 46_40MHz



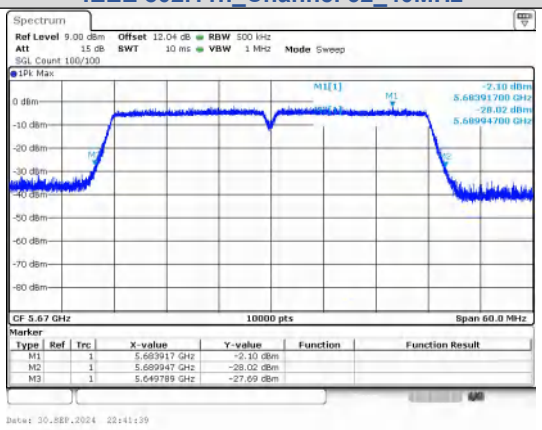
IEEE 802.11n_Channel 54_40MHz



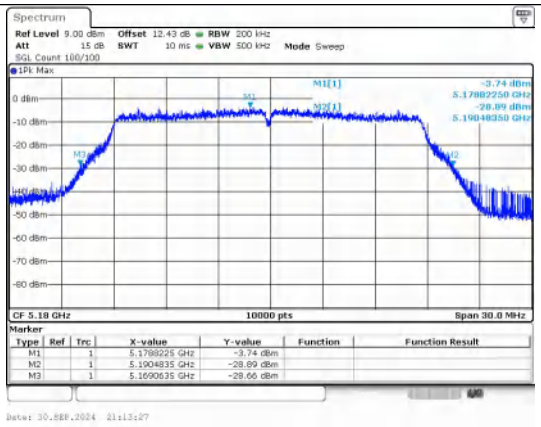
IEEE 802.11n_Channel 62_40MHz



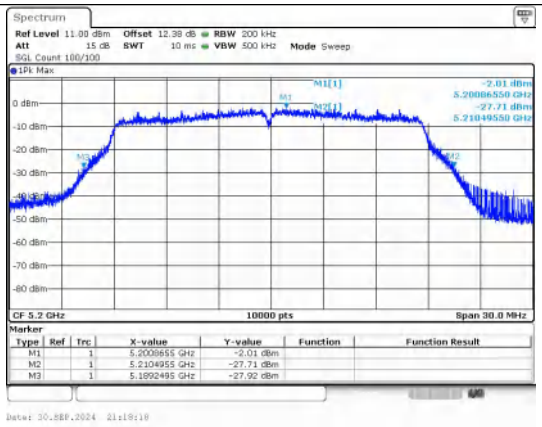
IEEE 802.11n_Channel 110_40MHz



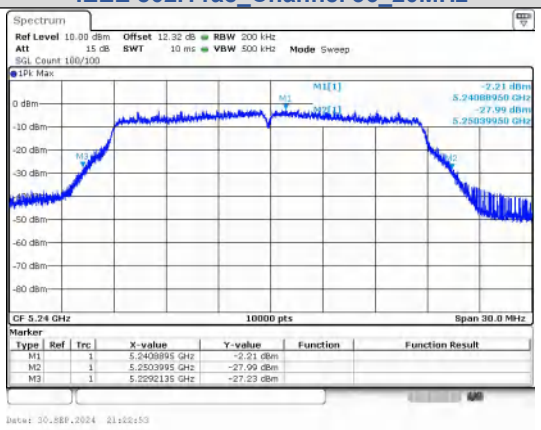
IEEE 802.11n_Channel 134_40MHz



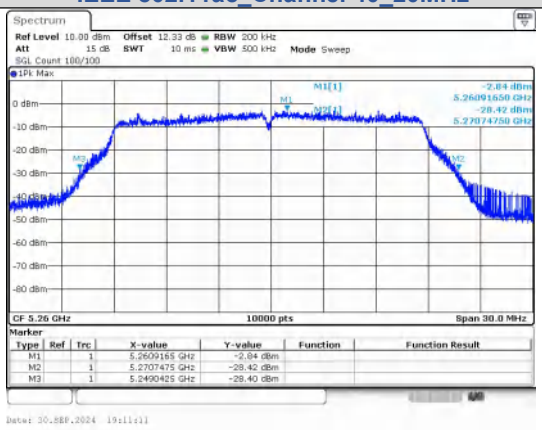
IEEE 802.11ac_Channel 36_20MHz



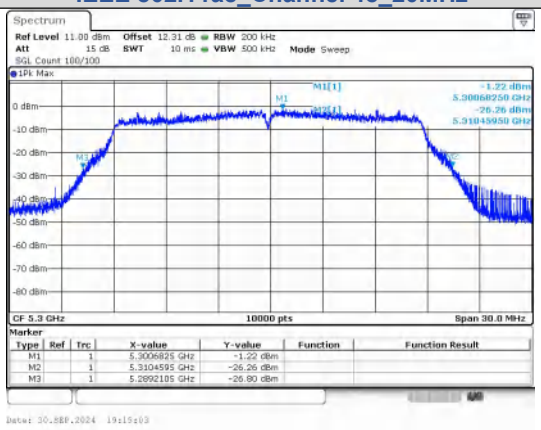
IEEE 802.11ac_Channel 40_20MHz



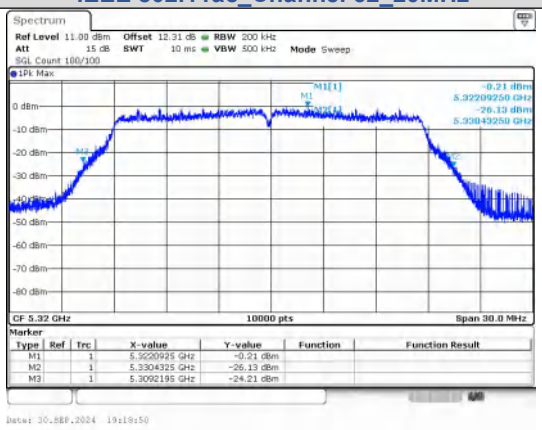
IEEE 802.11ac_Channel 48_20MHz



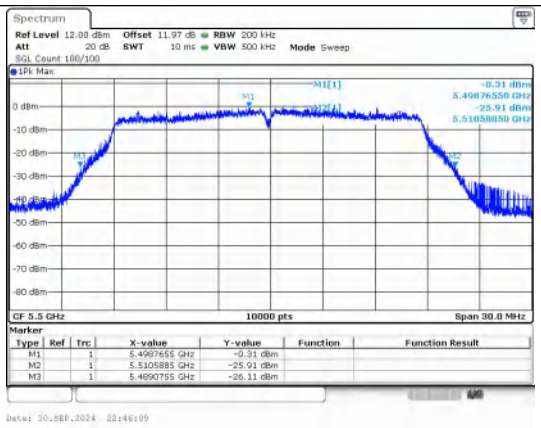
IEEE 802.11ac_Channel 52_20MHz



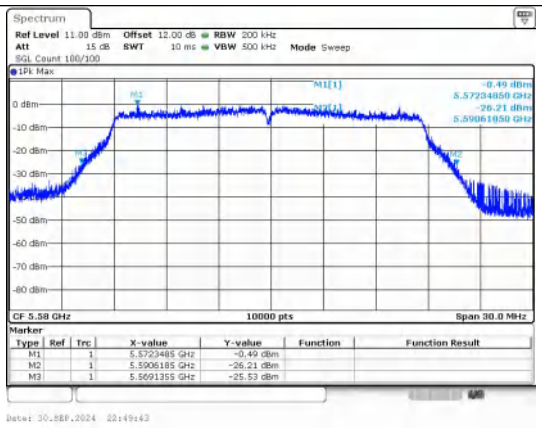
IEEE 802.11ac_Channel 60_20MHz



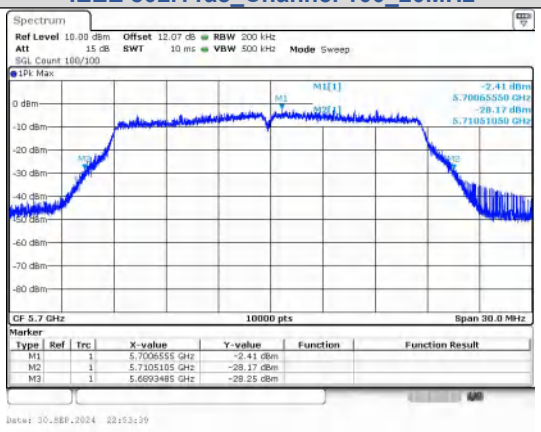
IEEE 802.11ac_Channel 64_20MHz



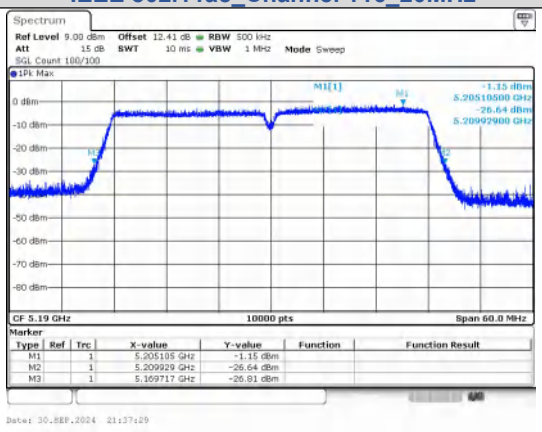
IEEE 802.11ac_Channel 100_20MHz



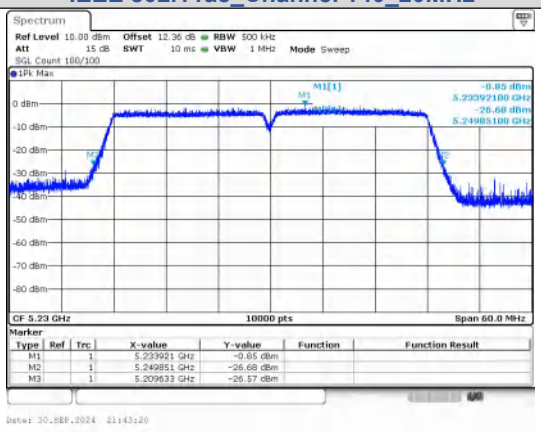
IEEE 802.11ac_Channel 116_20MHz



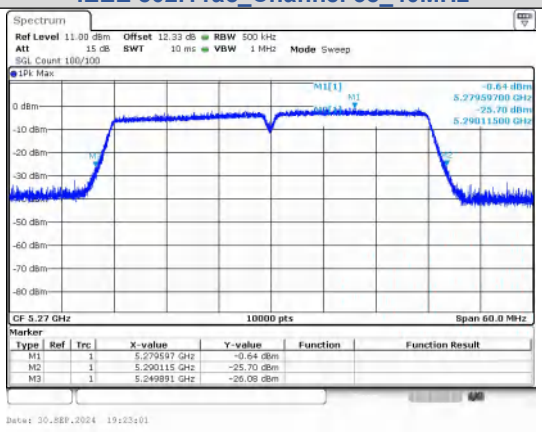
IEEE 802.11ac_Channel 140_20MHz



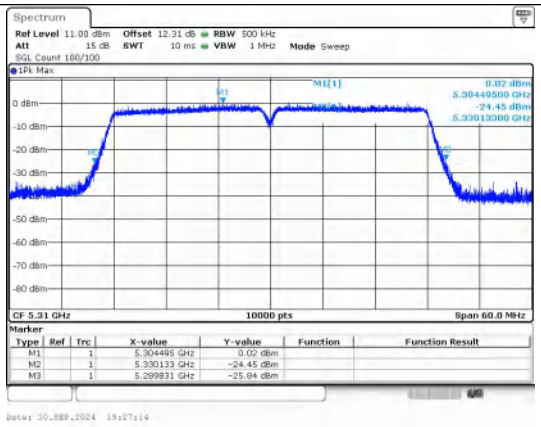
IEEE 802.11ac_Channel 38_40MHz



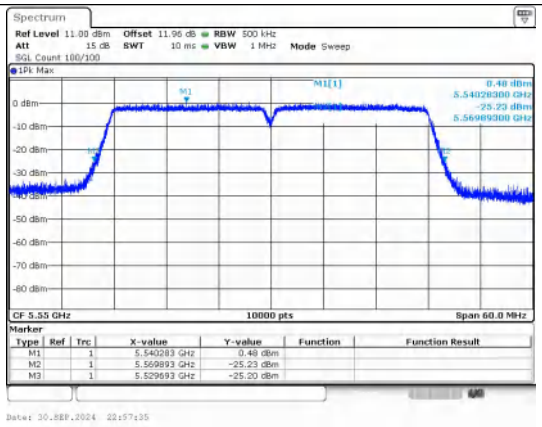
IEEE 802.11ac_Channel 46_40MHz



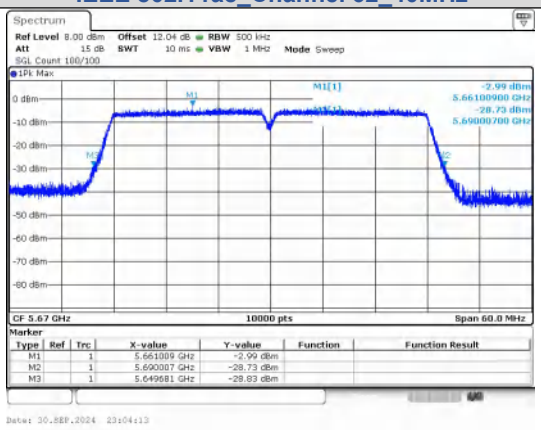
IEEE 802.11ac_Channel 54_40MHz



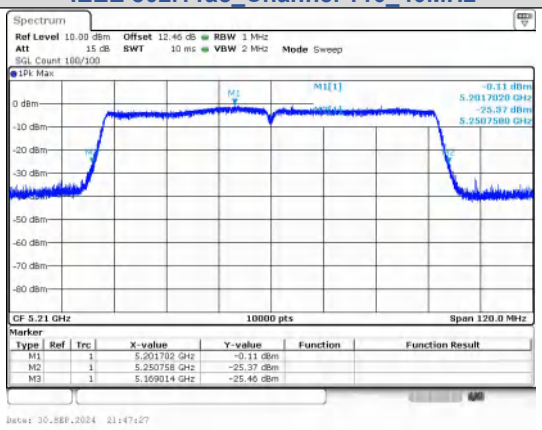
IEEE 802.11ac_Channel 62_40MHz



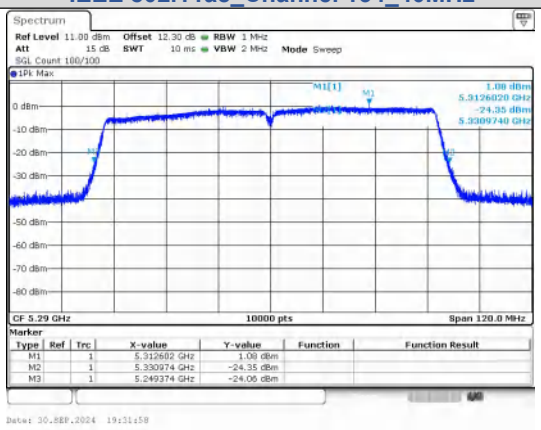
IEEE 802.11ac_Channel 110_40MHz



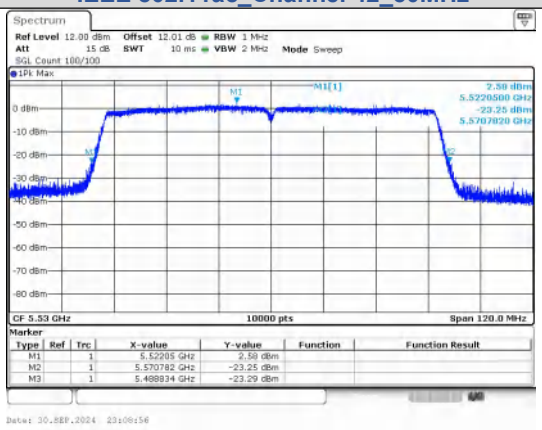
IEEE 802.11ac_Channel 134_40MHz



IEEE 802.11ac_Channel 42_80MHz



IEEE 802.11ac_Channel 58_80MHz



IEEE 802.11ac_Channel 106_80MHz