

Appendix-5G WiFi

Conducted Test Data

Conducted Output Power

Test Result

Mode	Channel	AVG Power Ant. 0 (dBm)	Corr'd Value Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	13.20	13.33	≤24	PASS
	40	13.75	13.88	≤24	PASS
	48	14.18	14.31	≤24	PASS
	52	14.42	14.55	≤24	PASS
	60	13.83	13.95	≤24	PASS
	64	13.40	13.53	≤24	PASS
	100	11.09	11.21	≤24	PASS
	140	13.78	13.9	≤24	PASS
IEEE 802.11n_20	36	7.62	7.75	≤24	PASS
	40	7.64	7.77	≤24	PASS
	48	8.03	8.16	≤24	PASS
	52	8.35	8.48	≤24	PASS
	60	8.05	8.18	≤24	PASS
	64	7.34	7.47	≤24	PASS
	100	5.07	5.2	≤24	PASS
	140	9.63	9.77	≤24	PASS
IEEE 802.11n_40	38	12.55	12.81	≤24	PASS
	46	12.84	13.1	≤24	PASS
	54	13.34	13.61	≤24	PASS
	62	12.70	12.96	≤24	PASS
	102	5.02	5.29	≤24	PASS
	134	10.40	10.67	≤24	PASS
IEEE 802.11ac_20	36	7.80	7.93	≤24	PASS
	40	7.40	7.52	≤24	PASS
	48	7.86	7.99	≤24	PASS
	52	8.10	8.23	≤24	PASS
	60	8.13	8.26	≤24	PASS
	64	7.39	7.52	≤24	PASS
	100	10.43	10.56	≤24	PASS
	140	13.86	13.99	≤24	PASS

IEEE 802.11ac_40	38	10.06	10.33	≤24	PASS
	46	10.32	10.58	≤24	PASS
	54	10.78	11.05	≤24	PASS
	62	10.00	10.26	≤24	PASS
	102	7.83	8.1	≤24	PASS
	134	11.63	11.91	≤24	PASS
IEEE 802.11ac_80	42	9.83	10.35	≤24	PASS
	58	10.46	10.98	≤24	PASS
	106	7.86	8.38	≤24	PASS
	122	10.29	10.84	≤24	PASS

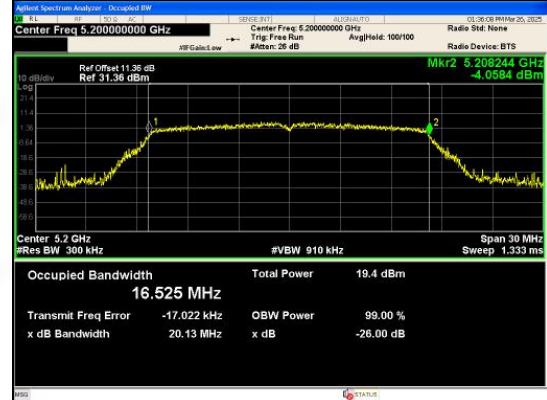
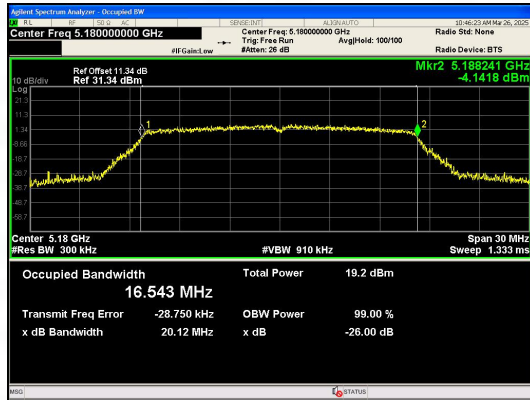
99% Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	0	5180	16.543
	40		5200	16.525
	48		5240	16.562
	52		5260	16.491
	60		5300	16.509
	64		5320	16.487
	100		5500	16.510
	140		5700	16.531
IEEE 802.11n_20	36		5180	17.465
	40		5200	17.463
	48		5240	17.464
	52		5260	17.514
	60		5300	17.412
	64		5320	17.458
	100		5500	17.487
	140		5700	17.590
IEEE 802.11n_40	38		5190	35.675
	46		5230	35.654
	54		5270	35.597
	62		5310	35.575
	102		5510	35.739
	134		5670	35.974
IEEE 802.11ac_20	36		5180	17.450
	40		5200	17.437
	48		5240	17.525
	52		5260	17.497
	60		5300	17.404
	64		5320	17.458
	100		5500	17.482
	140		5700	17.601
IEEE 802.11ac_40	38		5190	35.745
	46		5230	35.630
	54		5270	35.586
	62		5310	35.532
	102		5510	35.681
	134		5670	35.942
IEEE 802.11ac_80	42		5210	75.104
	58		5290	74.747

	106		5530	74.995
	122		5610	75.172

Test Graphs



IEEE 802.11a_Channel 36_20MHz_Antenna 0

IEEE 802.11a_Channel 40_20MHz_Antenna 0



IEEE 802.11a_Channel 48_20MHz_Antenna 0

IEEE 802.11a_Channel 52_20MHz_Antenna 0

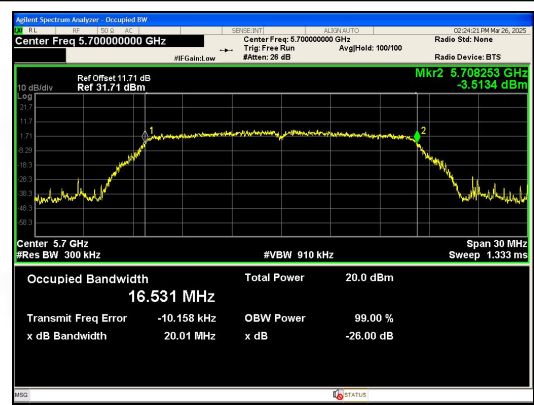


IEEE 802.11a_Channel 60_20MHz_Antenna 0

IEEE 802.11a_Channel 64_20MHz_Antenna 0



IEEE 802.11a_Channel 100_20MHz_Antenna 0



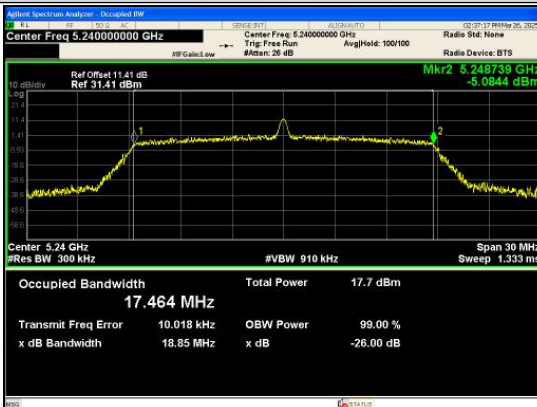
IEEE 802.11a_Channel 140_20MHz_Antenna 0



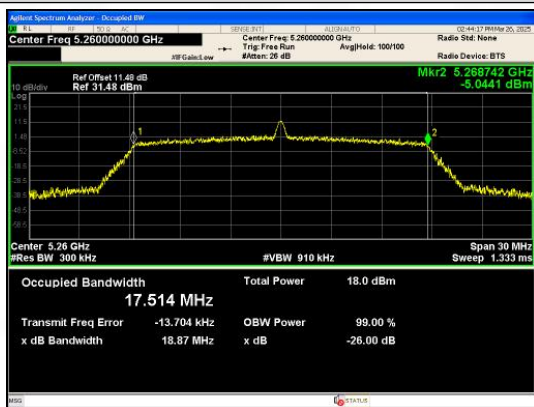
IEEE 802.11n_Channel 36_20MHz_Antenna 0



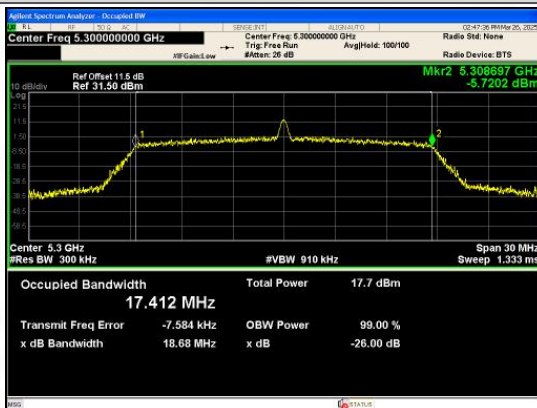
IEEE 802.11n_Channel 40_20MHz_Antenna 0



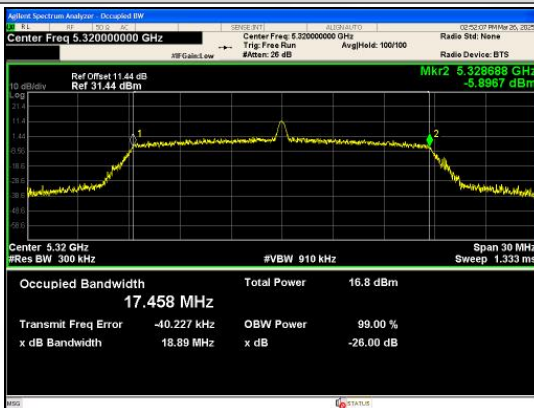
IEEE 802.11n_Channel 48_20MHz_Antenna 0



IEEE 802.11n_Channel 52_20MHz_Antenna 0



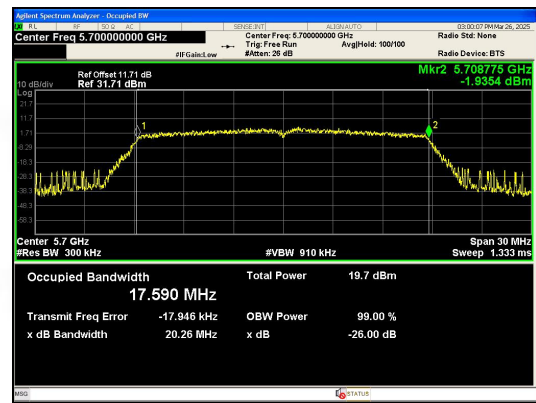
IEEE 802.11n_Channel 60_20MHz_Antenna 0



IEEE 802.11n_Channel 64_20MHz_Antenna 0



IEEE 802.11n_Channel 100_20MHz_Antenna 0



IEEE 802.11n_Channel 140_20MHz_Antenna 0



IEEE 802.11n_Channel 38_40MHz_Antenna 0



IEEE 802.11n_Channel 46_40MHz_Antenna 0



IEEE 802.11n_Channel 54_40MHz_Antenna 0



IEEE 802.11n_Channel 62_40MHz_Antenna 0



IEEE 802.11n_Channel 102_40MHz_Antenna 0



IEEE 802.11n_Channel 134_40MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 0



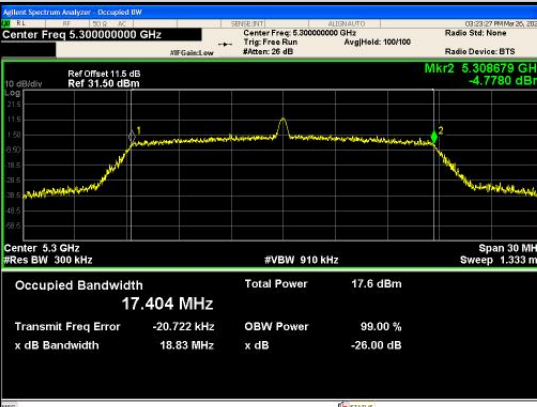
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



IEEE 802.11ac_Channel 48_20MHz_Antenna 0



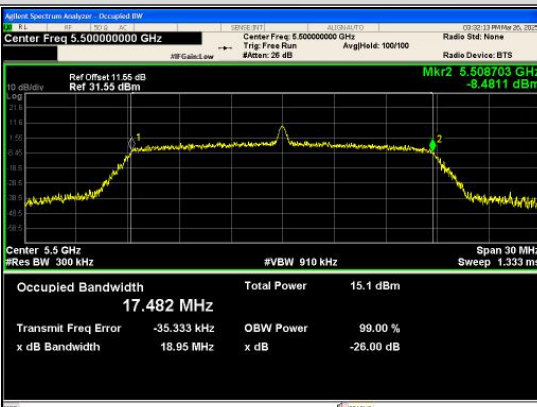
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



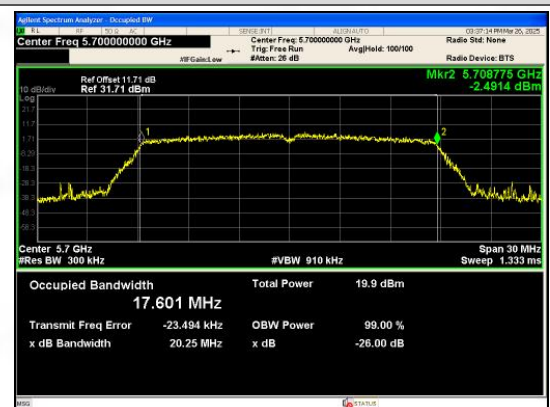
IEEE 802.11ac_Channel 60_20MHz_Antenna 0



IEEE 802.11ac_Channel 64_20MHz_Antenna 0



IEEE 802.11ac_Channel 100_20MHz_Antenna 0



IEEE 802.11ac_Channel 140_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



IEEE 802.11ac_Channel 46_40MHz_Antenna 0



IEEE 802.11ac_Channel 54_40MHz_Antenna 0



IEEE 802.11ac_Channel 62_40MHz_Antenna 0



IEEE 802.11ac_Channel 102_40MHz_Antenna 0



IEEE 802.11ac_Channel 134_40MHz_Antenna 0



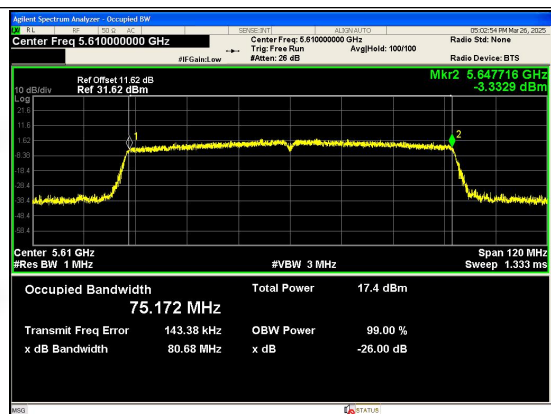
IEEE 802.11ac_Channel 42_80MHz_Antenna 0



IEEE 802.11ac_Channel 58_80MHz_Antenna 0



IEEE 802.11ac_Channel 106_80MHz_Antenna 0



IEEE 802.11ac_Channel 122_80MHz_Antenna 0

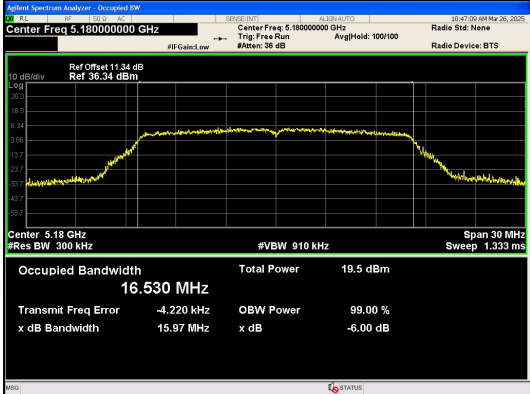
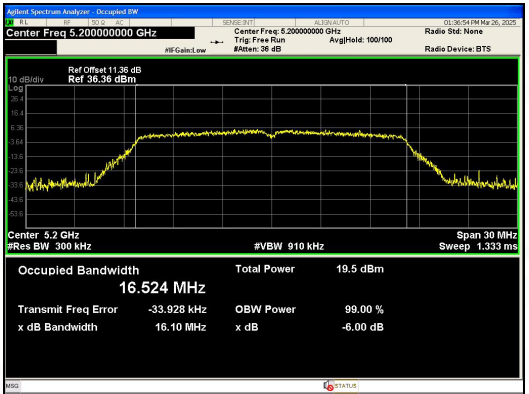
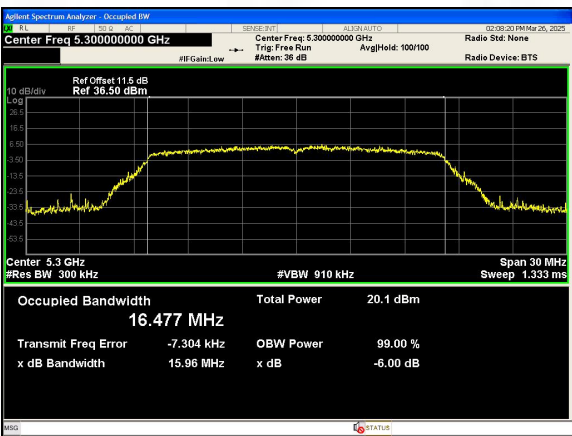
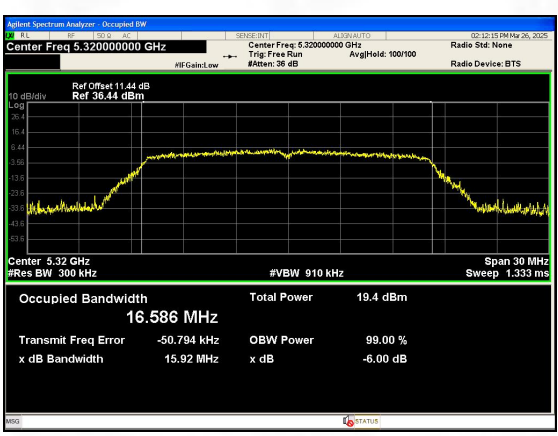
6dB Bandwidth

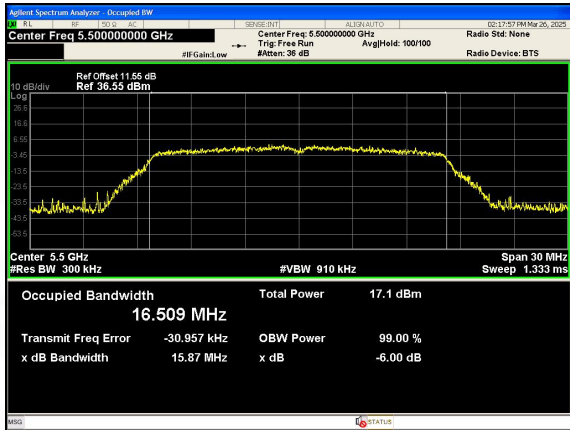
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	0	5180	15.97	≥0.5	PASS
	40		5200	16.10		PASS
	48		5240	16.07		PASS
	52		5260	15.92		PASS
	60		5300	15.96		PASS
	64		5320	15.92		PASS
	100		5500	15.87		PASS
	140		5700	15.96		PASS
IEEE 802.11n_20	36		5180	17.31		PASS
	40		5200	17.28		PASS
	48		5240	17.38		PASS
	52		5260	0.5102		PASS
	60		5300	0.5034		PASS
	64		5320	0.5281		PASS
	100		5500	0.5027		PASS
	140		5700	17.33		PASS
IEEE 802.11n_40	38		5190	0.8030		PASS
	46		5230	0.7836		PASS
	54		5270	0.8183		PASS
	62		5310	0.7599		PASS
	102		5510	0.8627		PASS
	134		5670	35.84		PASS
IEEE 802.11ac_20	36		5180	0.5494		PASS
	40		5200	0.5317		PASS
	48		5240	0.5241		PASS
	52		5260	0.5545		PASS
	60		5300	0.5070		PASS
	64		5320	0.5005		PASS
	100		5500	0.5076		PASS
	140		5700	17.23		PASS
IEEE 802.11ac_40	38		5190	0.8566		PASS
	46		5230	0.7736		PASS
	54		5270	0.8186		PASS
	62		5310	0.7985		PASS
	102		5510	0.7903		PASS
	134		5670	34.83		PASS
IEEE	42		5210	1.751		PASS

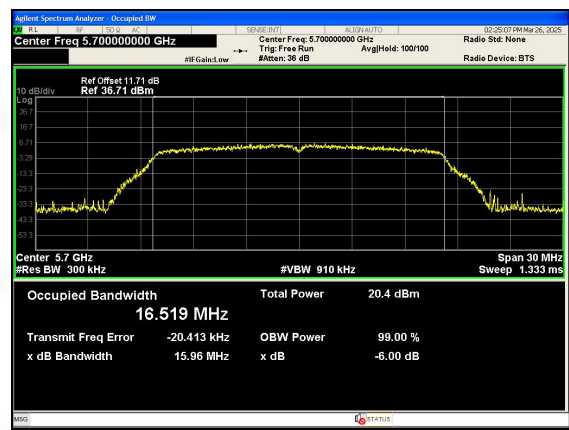
802.11ac_80	58		5290	1.650		PASS
	106		5530	1.654		PASS
	122		5610	75.21		PASS

Test Graphs

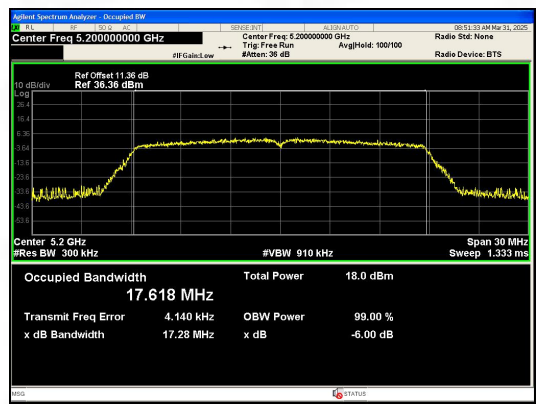
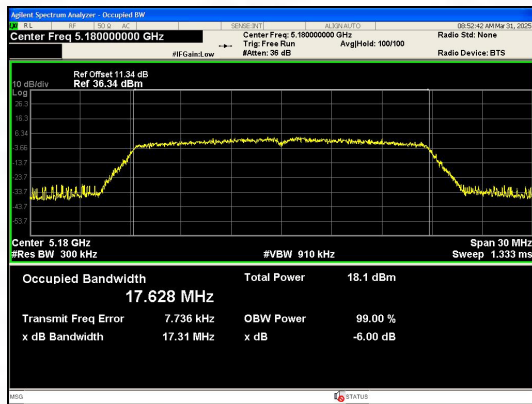
 IEEE 802.11a_Channel 36_20MHz_Antenna 0	 IEEE 802.11a_Channel 40_20MHz_Antenna 0
 IEEE 802.11a_Channel 48_20MHz_Antenna 0	 IEEE 802.11a_Channel 52_20MHz_Antenna 0
 IEEE 802.11a_Channel 60_20MHz_Antenna 0	 IEEE 802.11a_Channel 64_20MHz_Antenna 0



IEEE 802.11a_Channel 100_20MHz_Antenna 0

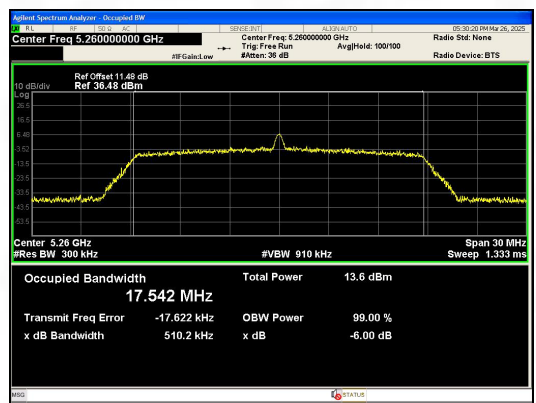
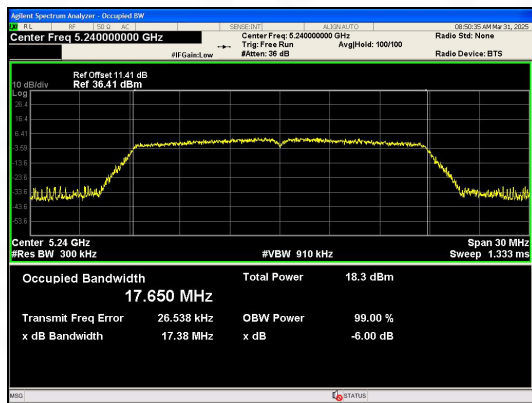


IEEE 802.11a_Channel 140_20MHz_Antenna 0



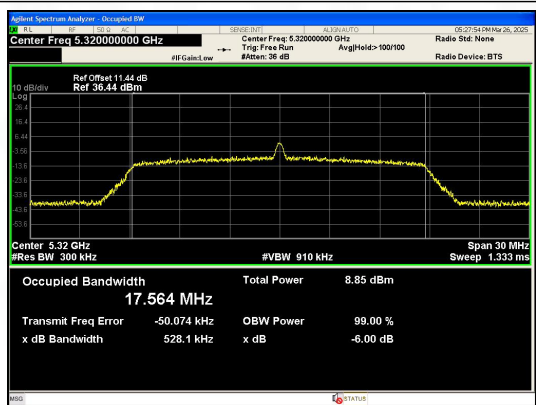
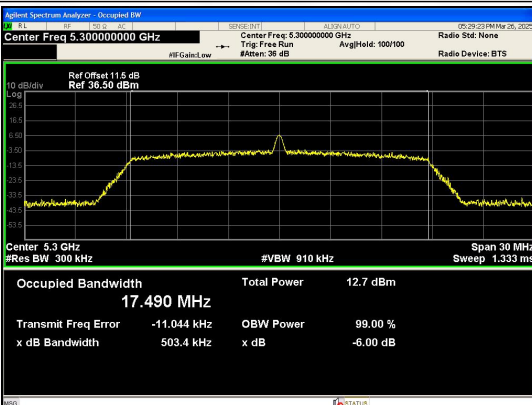
IEEE 802.11n_Channel 36_20MHz_Antenna 0

IEEE 802.11n_Channel 40_20MHz_Antenna 0

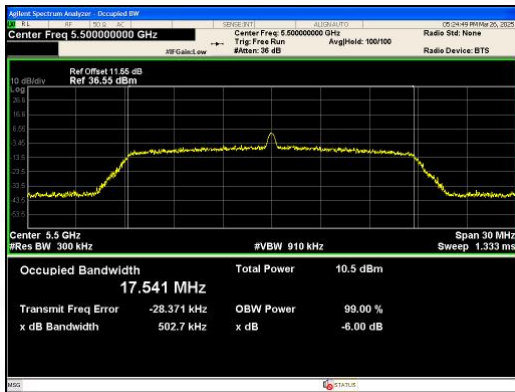


IEEE 802.11n_Channel 48_20MHz_Antenna 0

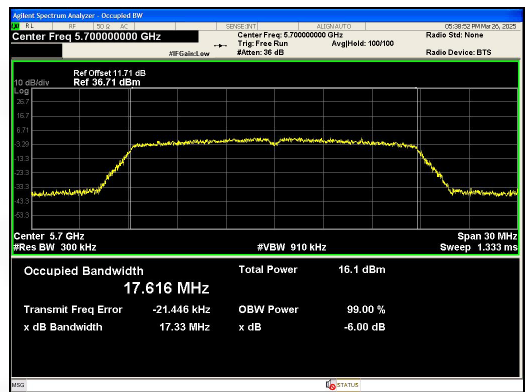
IEEE 802.11n_Channel 52_20MHz_Antenna 0



IEEE 802.11n_Channel 60_20MHz_Antenna 0



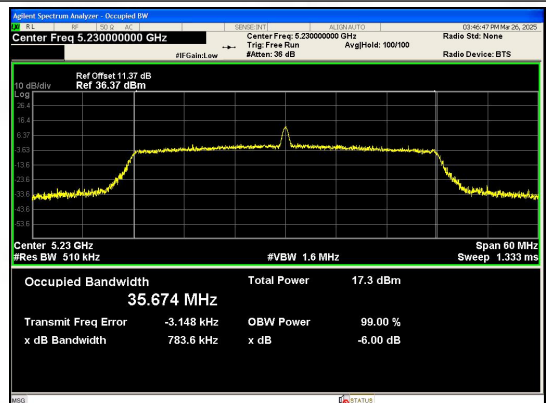
IEEE 802.11n_Channel 64_20MHz_Antenna 0



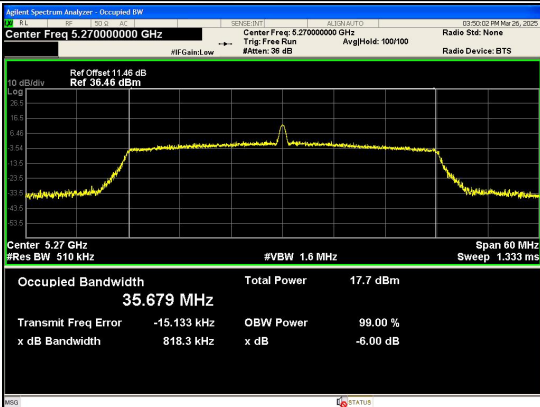
IEEE 802.11n_Channel 100_20MHz_Antenna 0



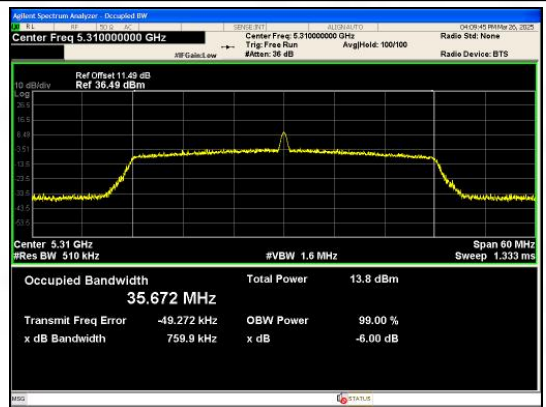
IEEE 802.11n_Channel 140_20MHz_Antenna 0



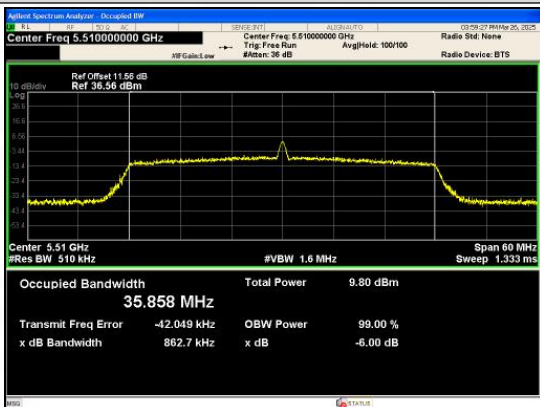
IEEE 802.11n_Channel 38_40MHz_Antenna 0



IEEE 802.11n_Channel 46_40MHz_Antenna 0



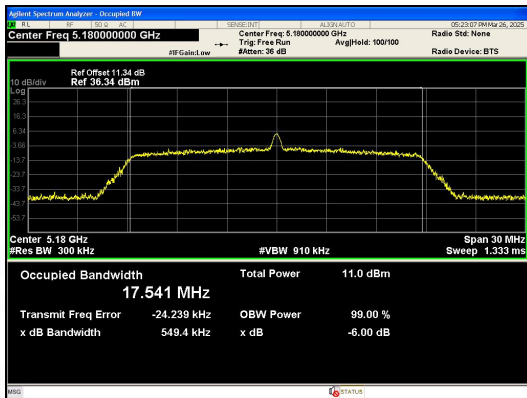
IEEE 802.11n_Channel 54_40MHz_Antenna 0



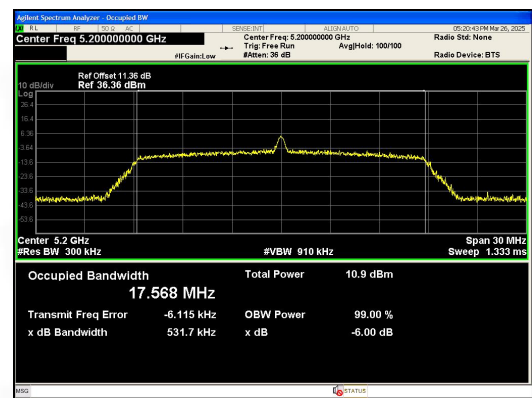
IEEE 802.11n_Channel 62_40MHz_Antenna 0



IEEE 802.11n_Channel 102_40MHz_Antenna 0



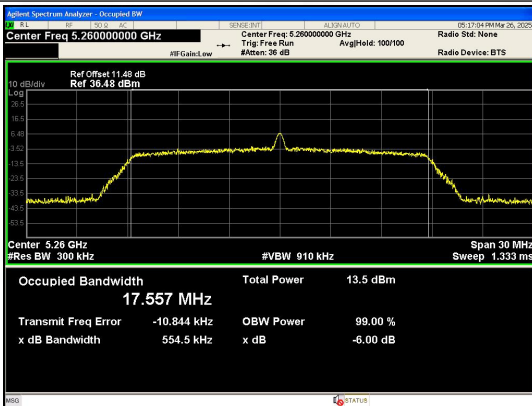
IEEE 802.11n_Channel 134_40MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 0



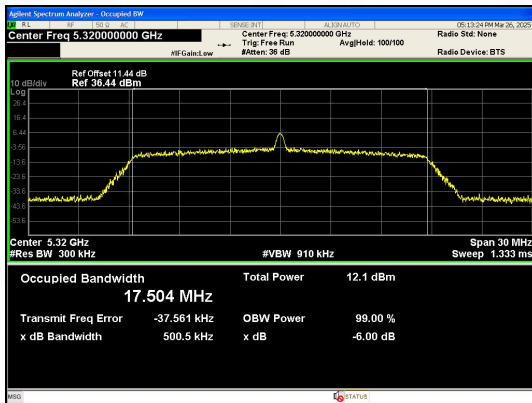
IEEE 802.11ac_Channel 40_20MHz_Antenna 0



IEEE 802.11ac_Channel 48_20MHz_Antenna 0



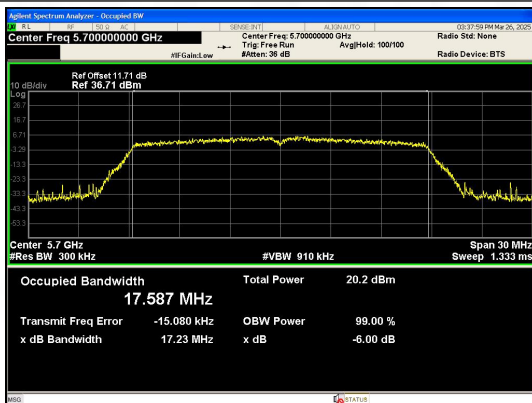
IEEE 802.11ac_Channel 52_20MHz_Antenna 0



IEEE 802.11ac_Channel 60_20MHz_Antenna 0



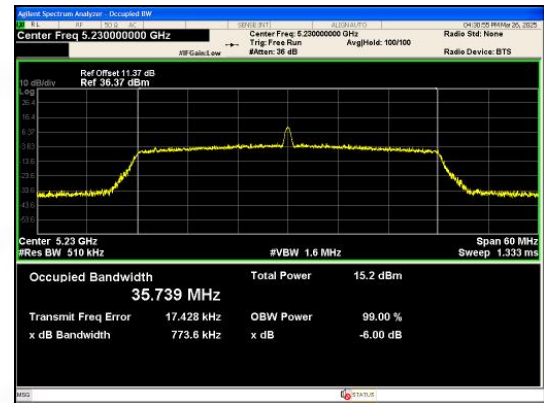
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



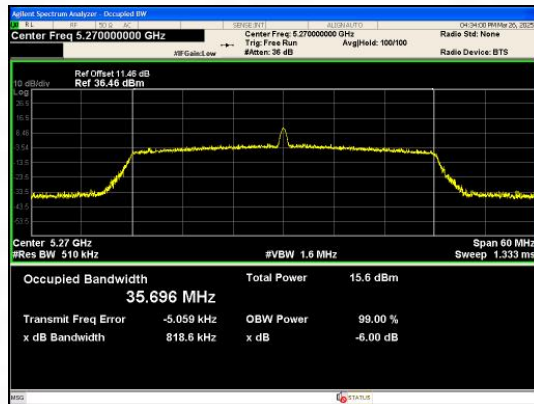
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



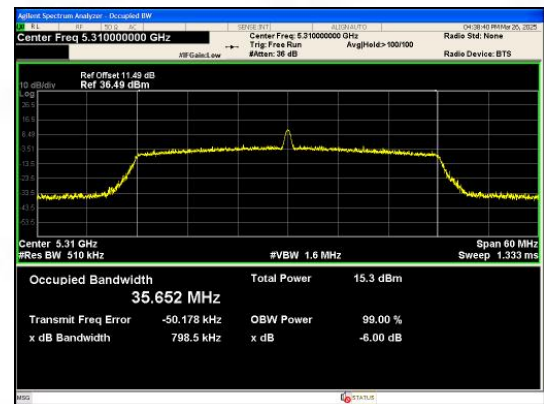
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



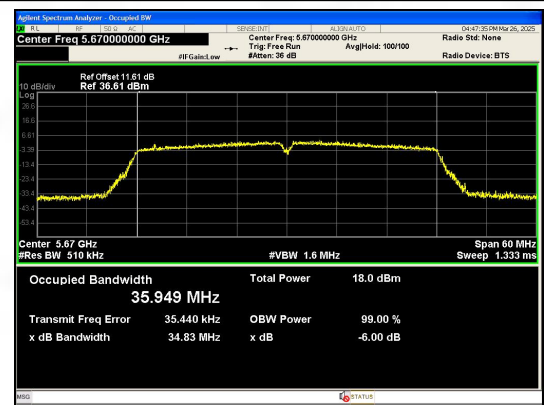
IEEE 802.11ac_Channel 46_40MHz_Antenna 0



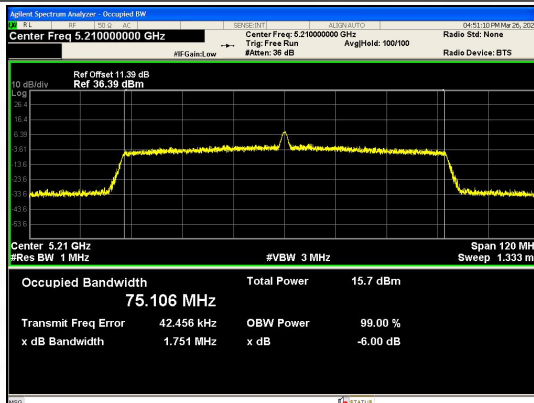
IEEE 802.11ac_Channel 54_40MHz_Antenna 0



IEEE 802.11ac_Channel 62_40MHz_Antenna 0



IEEE 802.11ac_Channel 102_40MHz_Antenna 0



IEEE 802.11ac_Channel 134_40MHz_Antenna 0

