

APPENIX FOR TEST DATA

Appendix D:Conducted Output Power

Test Result

Mode	Channel	Ant. 0 (dBm)	Ant. 1 (dBm)	Total (dBm)	Limit (dBm)	Result
IEEE 802.11a	36	9.79	9.93	N/A	30	PASS
	64	8.1	8.27	N/A	24	PASS
	100	9.15	8.49	N/A		PASS
	140	6.6	10.15	N/A		PASS
	149	9.2	8.43	N/A	30	PASS
	157	9.82	8.94	N/A		PASS
	165	9.33	8.39	N/A		PASS
IEEE 802.11n_20	36	10.2	10.23	13.23	27.99	PASS
	64	8.06	8.69	11.4	21.99	PASS
	100	8.84	8.72	11.79		PASS
	140	6.88	10.27	11.91		PASS
	149	9.04	7.52	11.36	27.99	PASS
	157	9.67	8.68	12.21		PASS
	165	9.34	7.81	11.65		PASS
IEEE 802.11n_40	38	11.11	11.43	14.28	27.99	PASS
	62	9.66	10.02	12.85	21.99	PASS
	102	10.64	10.59	13.63		PASS
	134	7.37	10.3	12.09		PASS
	151	11.62	9.88	13.85	27.99	PASS
	159	11.76	10.21	14.06		PASS
IEEE 802.11ac_20	36	11.27	11.81	14.56	27.99	PASS
	64	9.51	10.22	12.89	21.99	PASS
	100	10.49	10.48	13.5		PASS
	140	8.53	11.41	13.21		PASS
	149	11.52	9.43	13.61	27.99	PASS
	157	11.75	9.86	13.92		PASS
	165	11.3	9.5	13.5		PASS
IEEE 802.11ac_40	38	12.29	12.5	15.41	27.99	PASS
	62	10.64	11.33	14.01	21.99	PASS
	102	11.67	11.58	14.64		PASS
	134	8.68	10.9	12.94		PASS
	151	11.55	9.72	13.74	27.99	PASS
	159	11.83	9.97	14.01		PASS
IEEE 802.11ac_80	42	10.62	11.07	13.86	27.99	PASS
	58	9.76	10.32	13.06	21.99	PASS
	106	9.83	9.28	12.57		PASS
	122	5.64	8.3	10.18		PASS
	155	11.44	9.8	13.71	27.99	PASS

Note:

1. The power of antenna 0 and antenna 1 is converted into milliwatt units, and the added power is taken logarithmically and multiplied by 10.
2. Refer to the main report Section 1.5 for calculation of power limits.

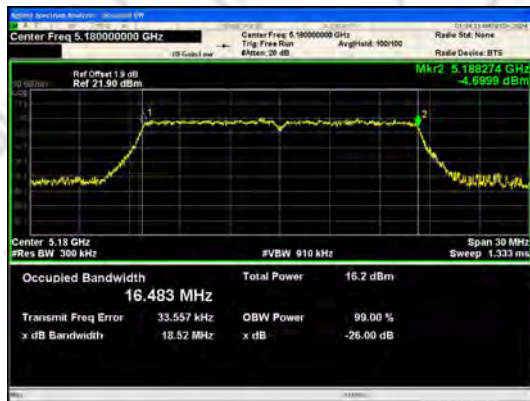
99% Bandwidth

Test Result

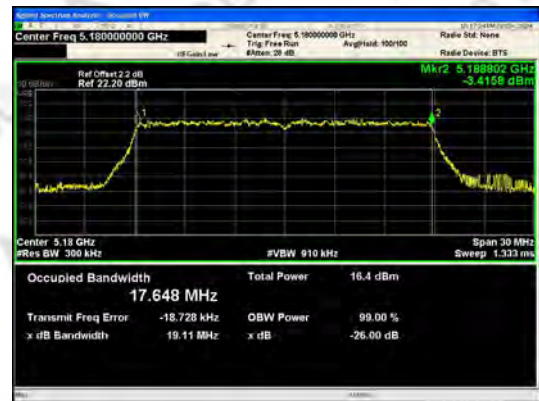
Mode	Channel	Ant.	Center Frequency (MHz)	99% BW (MHz)
IEEE 802.11a	36	0	5180	16.483
		1	5180	17.648
	64	0	5320	16.433
		1	5320	17.627
	100	0	5500	16.447
		1	5500	17.650
	140	0	5700	16.454
		1	5700	16.403
	149	0	5745	17.646
		1	5745	16.431
	157	0	5785	17.645
		1	5785	16.410
IEEE 802.11n_20	36	0	5180	17.659
		1	5180	17.633
	64	0	5320	17.643
		1	5320	17.646
	100	0	5500	17.641
		1	5500	17.604
	140	0	5700	17.606
		1	5700	17.630
	149	0	5745	17.634
		1	5745	17.585
	157	0	5785	17.653
		1	5785	17.669
IEEE 802.11n_40	38	0	5190	36.341
		1	5190	36.139
	62	0	5310	36.146
		1	5310	36.203
	102	0	5510	36.136
		1	5510	36.207

	134	0	5670	36.186
		1	5670	36.101
	151	0	5755	36.138
		1	5755	36.241
	159	0	5795	36.132
		1	5795	36.220
IEEE 802.11ac_20	36	0	5180	17.670
		1	5180	17.674
	64	0	5320	17.616
		1	5320	17.677
	100	0	5500	17.630
		1	5500	17.628
	140	0	5700	17.617
		1	5700	17.620
	149	0	5745	17.631
		1	5745	17.669
	157	0	5785	17.616
		1	5785	17.627
IEEE 802.11ac_40	165	0	5825	17.601
		1	5825	17.649
	38	0	5190	36.219
		1	5190	36.091
	62	0	5310	36.191
		1	5310	36.170
	102	0	5510	36.216
		1	5510	35.975
	134	0	5670	36.168
		1	5670	36.090
	151	0	5755	36.111
		1	5755	36.153
IEEE 802.11ac_80	159	0	5795	36.145
		1	5795	36.147
	42	0	5210	75.195
		1	5210	75.279
	58	0	5290	75.345
		1	5290	75.431
	106	0	5530	75.383
		1	5530	75.296
	122	0	5610	75.256
		1	5610	75.101
	155	0	5775	75.343
		1	5775	75.527

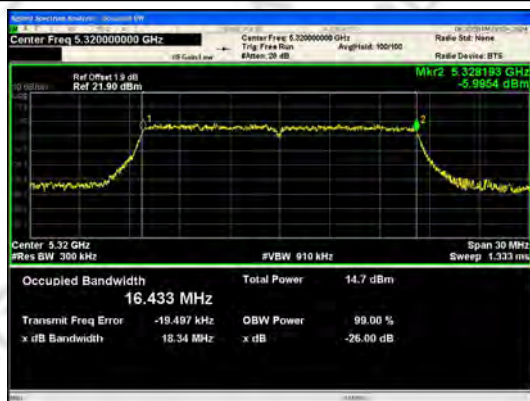
Test Graphs



IEEE 802.11a_Channel 36_20MHz_Antenna 0



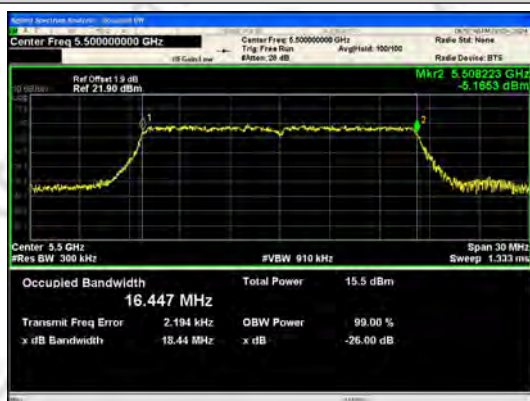
IEEE 802.11a_Channel 36_20MHz_Antenna 1



IEEE 802.11a_Channel 64_20MHz_Antenna 0



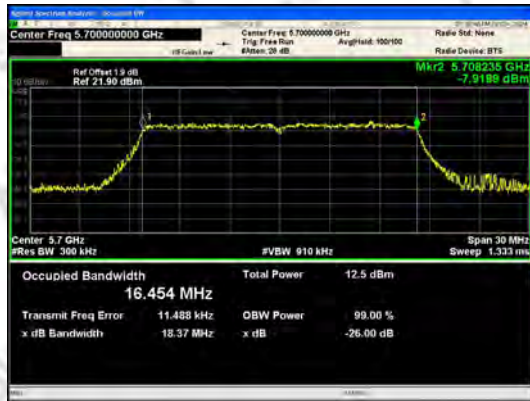
IEEE 802.11a_Channel 64_20MHz_Antenna 1



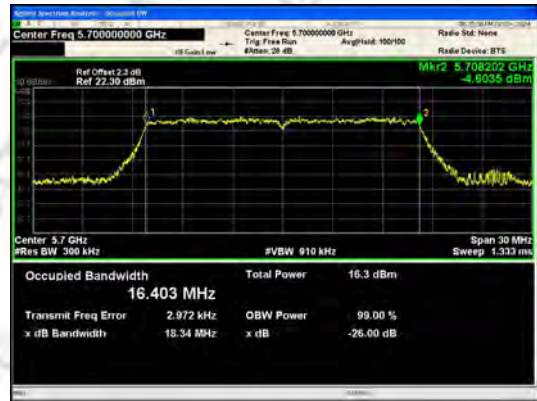
IEEE 802.11a_Channel 100_20MHz_Antenna 0



IEEE 802.11a_Channel 100_20MHz_Antenna 1



IEEE 802.11a_Channel 140_20MHz_Antenna 0



IEEE 802.11a_Channel 140_20MHz_Antenna 1



IEEE 802.11n_Channel 36_20MHz_Antenna 0



IEEE 802.11n_Channel 36_20MHz_Antenna 1



IEEE 802.11n_Channel 64_20MHz_Antenna 0



IEEE 802.11n_Channel 64_20MHz_Antenna 1



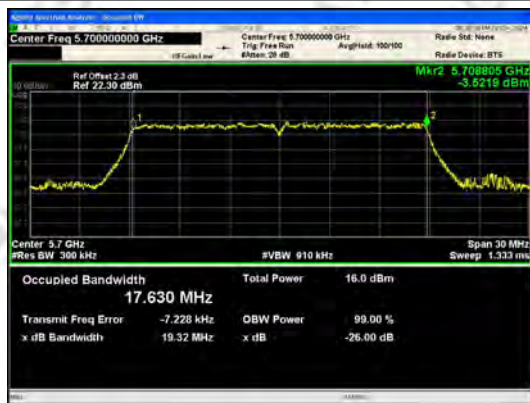
IEEE 802.11n_Channel 100_20MHz_Antenna 0



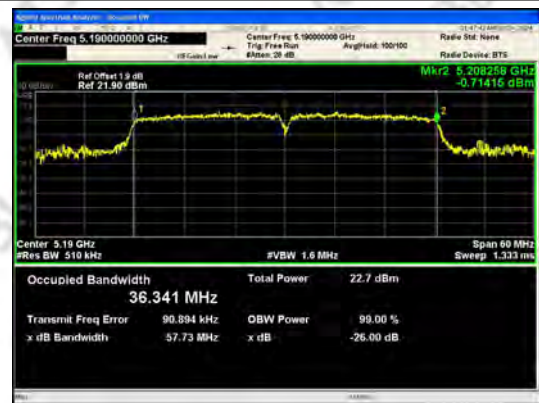
IEEE 802.11n_Channel 100_20MHz_Antenna 1



IEEE 802.11n_Channel 140_20MHz_Antenna 0



IEEE 802.11n_Channel 140_20MHz_Antenna 1



IEEE 802.11n_Channel 38_40MHz_Antenna 0



IEEE 802.11n_Channel 38_40MHz_Antenna 1



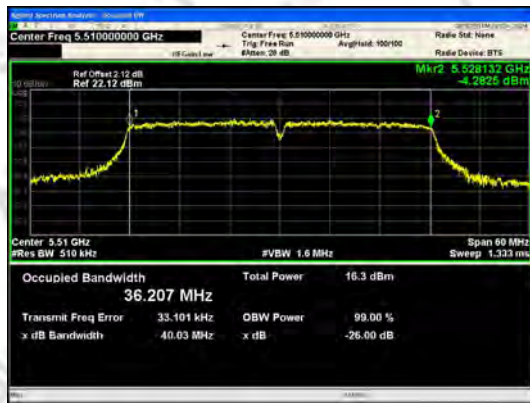
IEEE 802.11n_Channel 62_40MHz_Antenna 0



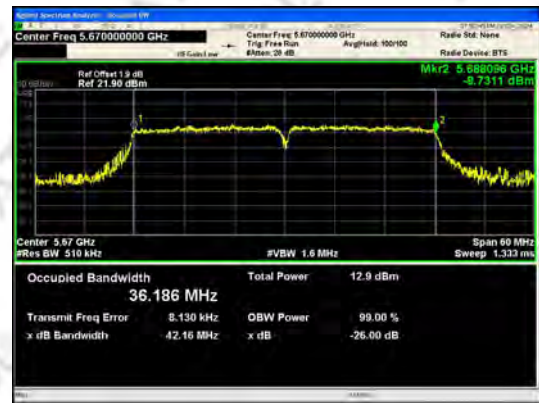
IEEE 802.11n_Channel 62_40MHz_Antenna 1



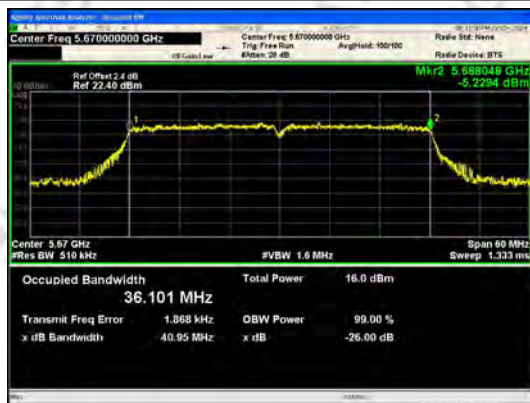
IEEE 802.11n_Channel 102_40MHz_Antenna 0



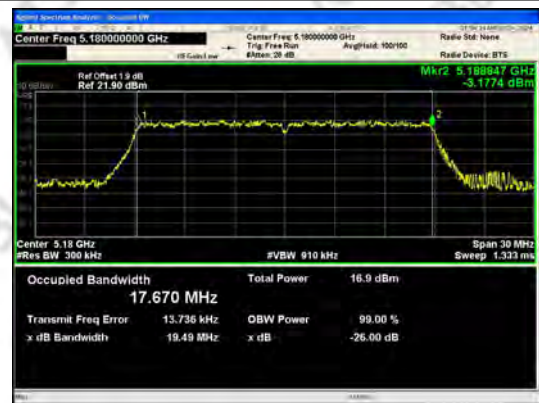
IEEE 802.11n_Channel 102_40MHz_Antenna 1



IEEE 802.11n_Channel 134_40MHz_Antenna 0



IEEE 802.11n_Channel 134_40MHz_Antenna 1



IEEE 802.11ac_Channel 36_20MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 1



IEEE 802.11ac_Channel 64_20MHz_Antenna 0



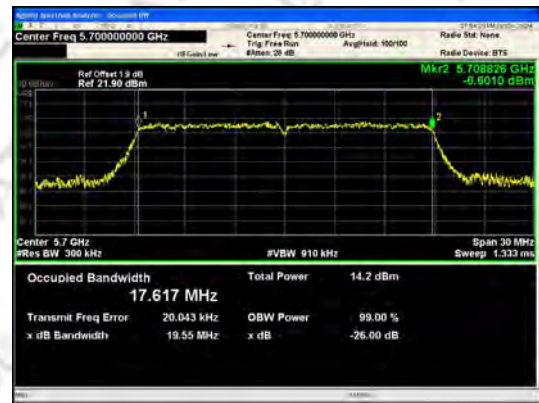
IEEE 802.11ac_Channel 64_20MHz_Antenna 1



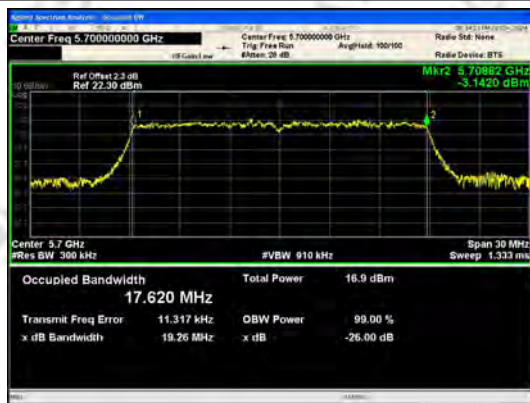
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



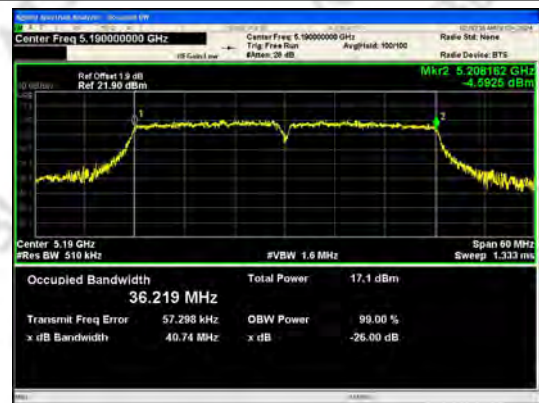
IEEE 802.11ac_Channel 100_20MHz_Antenna 1



IEEE 802.11ac_Channel 140_20MHz_Antenna 0



IEEE 802.11ac_Channel 140_20MHz_Antenna 1



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



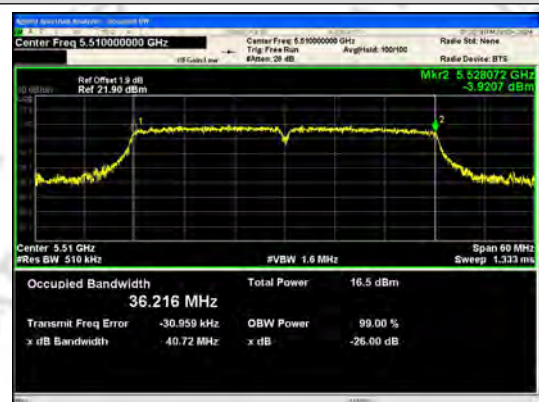
IEEE 802.11ac_Channel 38_40MHz_Antenna 1



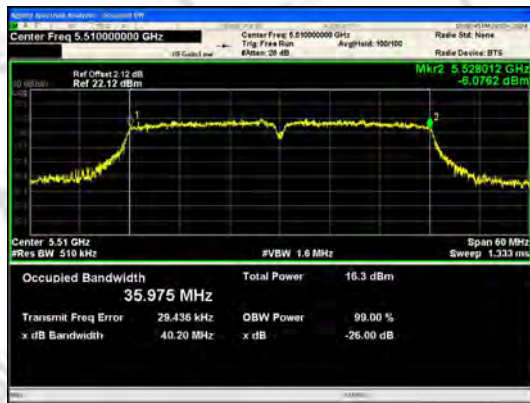
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



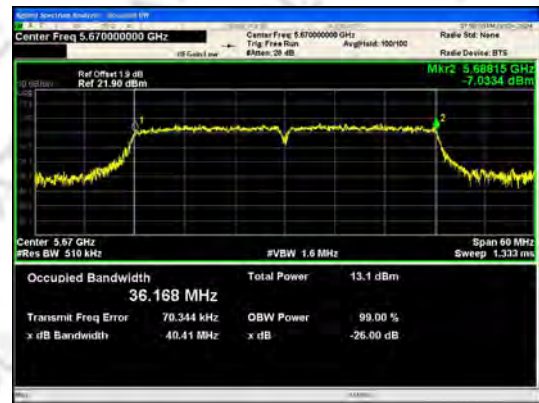
IEEE 802.11ac_Channel 62_40MHz_Antenna 1



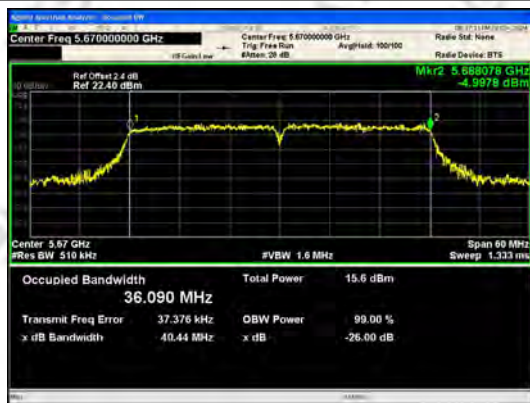
IEEE 802.11ac_Channel 102_40MHz_Antenna 0



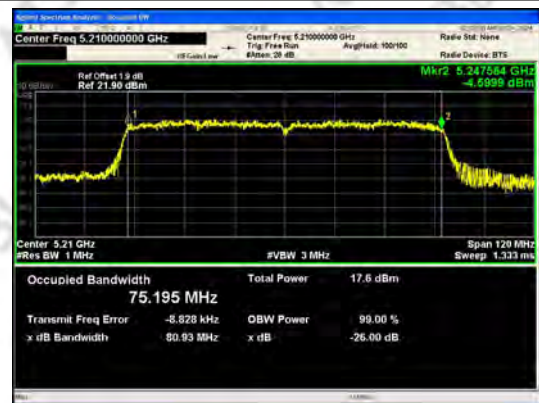
IEEE 802.11ac_Channel 102_40MHz_Antenna 1



IEEE 802.11ac_Channel 134_40MHz_Antenna 0



IEEE 802.11ac_Channel 134_40MHz_Antenna 1



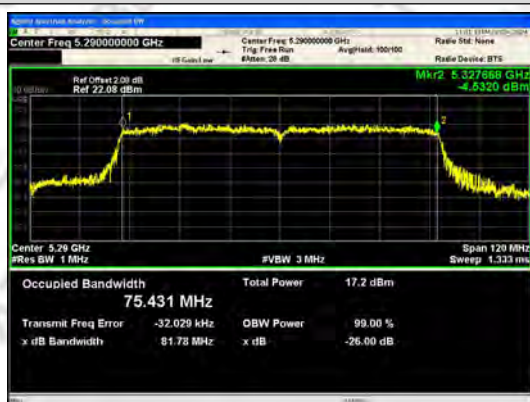
IEEE 802.11ac_Channel 42_80MHz_Antenna 0



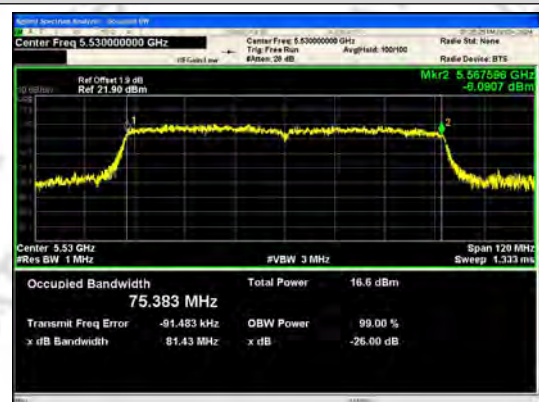
IEEE 802.11ac_Channel 42_80MHz_Antenna 1



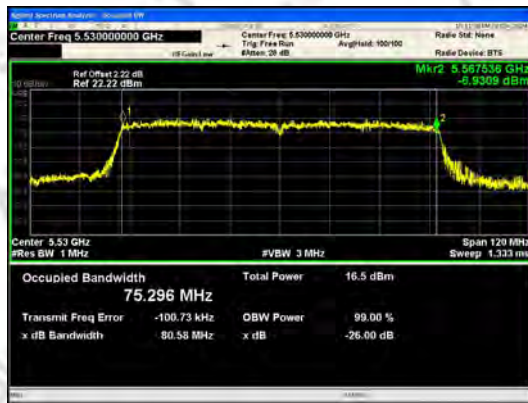
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



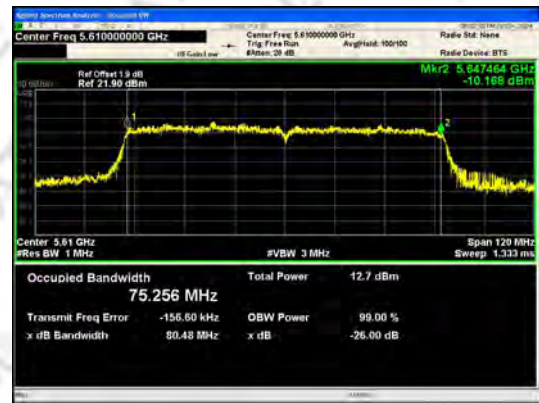
IEEE 802.11ac_Channel 58_80MHz_Antenna 1



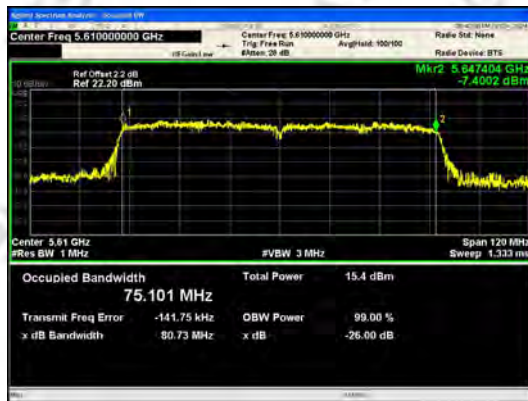
IEEE 802.11ac_Channel 106_80MHz_Antenna 0



IEEE 802.11ac_Channel 106_80MHz_Antenna 1



IEEE 802.11ac_Channel 122_80MHz_Antenna 0



IEEE 802.11ac_Channel 122_80MHz_Antenna 1



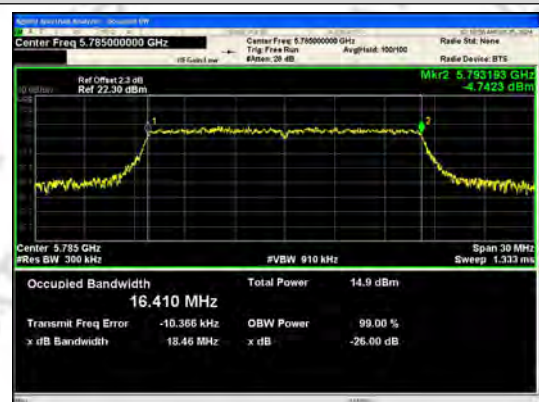
IEEE 802.11a_Channel 149_20MHz_Antenna 0



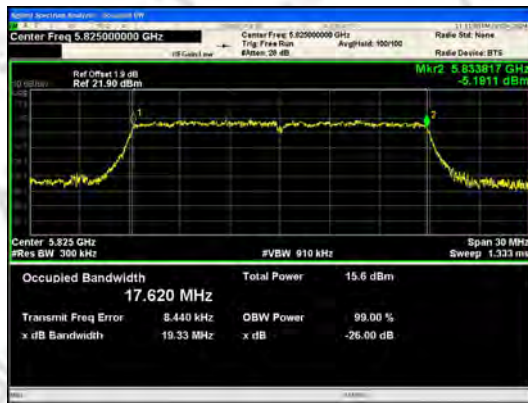
IEEE 802.11a_Channel 149_20MHz_Antenna 1



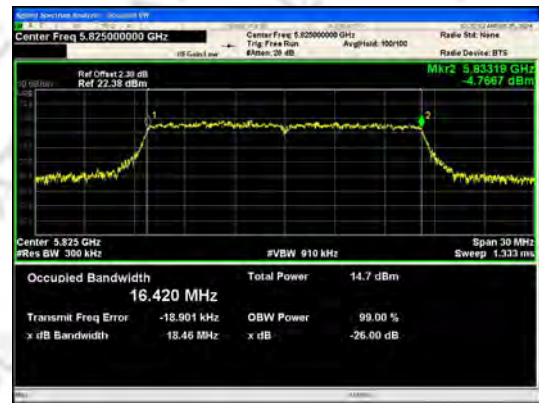
IEEE 802.11a_Channel 157_20MHz_Antenna 0



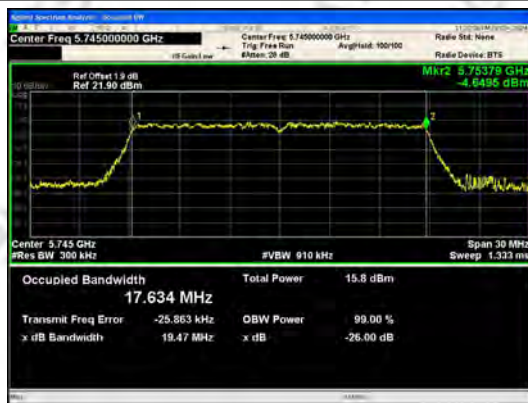
IEEE 802.11a_Channel 157_20MHz_Antenna 1



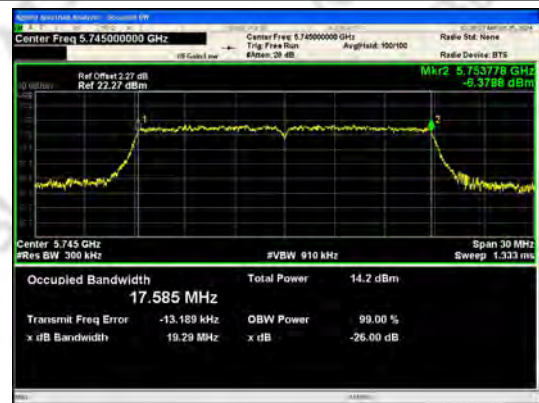
IEEE 802.11a_Channel 165_20MHz_Antenna 0



IEEE 802.11a_Channel 165_20MHz_Antenna 1



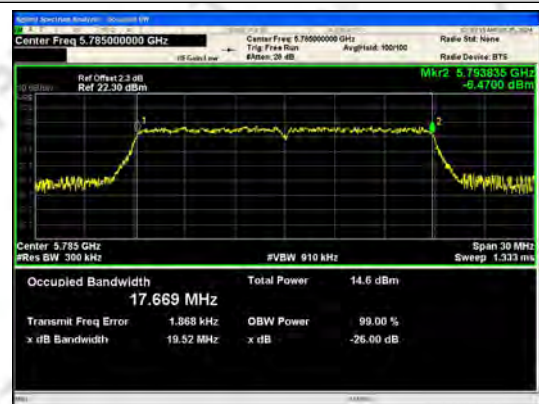
IEEE 802.11n_Channel 149_20MHz_Antenna 0



IEEE 802.11n_Channel 149_20MHz_Antenna 1



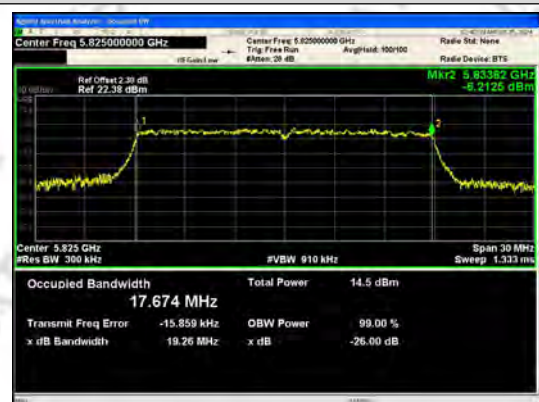
IEEE 802.11n_Channel 157_20MHz_Antenna 0



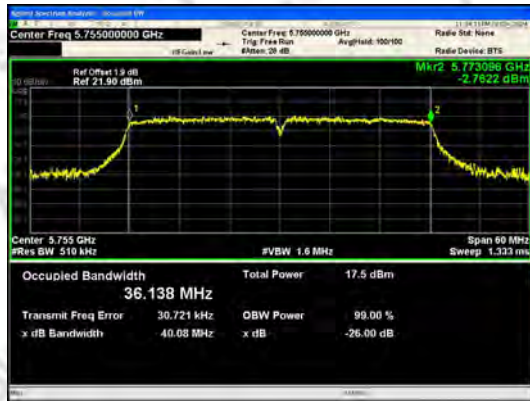
IEEE 802.11n_Channel 157_20MHz_Antenna 1



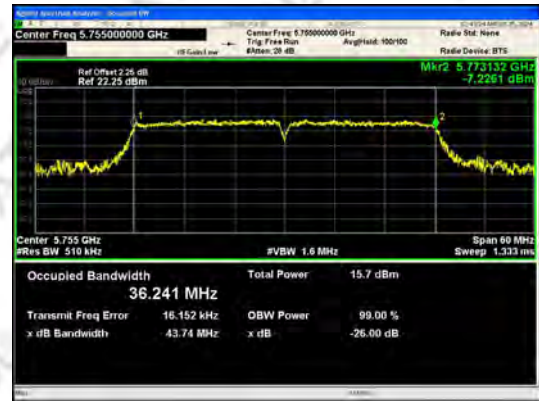
IEEE 802.11n_Channel 165_20MHz_Antenna 0



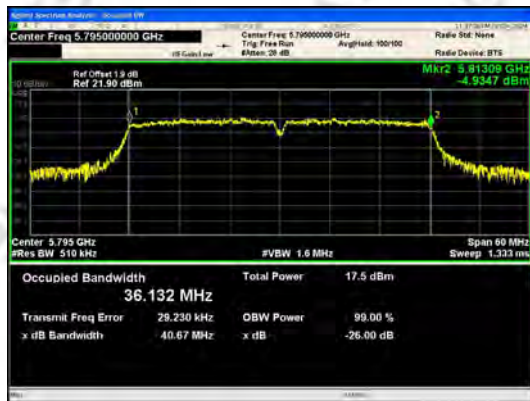
IEEE 802.11n_Channel 165_20MHz_Antenna 1



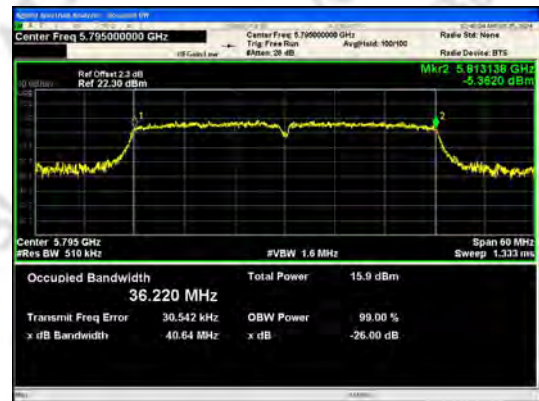
IEEE 802.11n_Channel 151_40MHz_Antenna 0



IEEE 802.11n_Channel 151_40MHz_Antenna 1



IEEE 802.11n_Channel 159_40MHz_Antenna 0



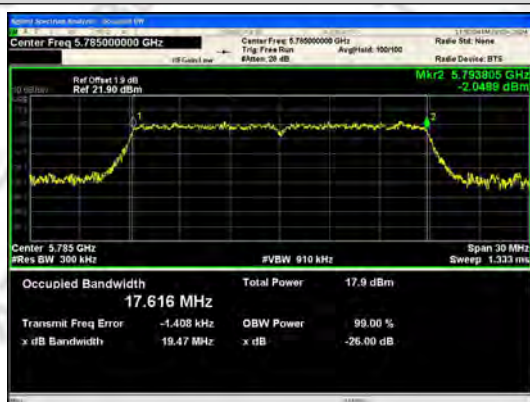
IEEE 802.11n_Channel 159_40MHz_Antenna 1



IEEE 802.11ac_Channel 149_20MHz_Antenna 0



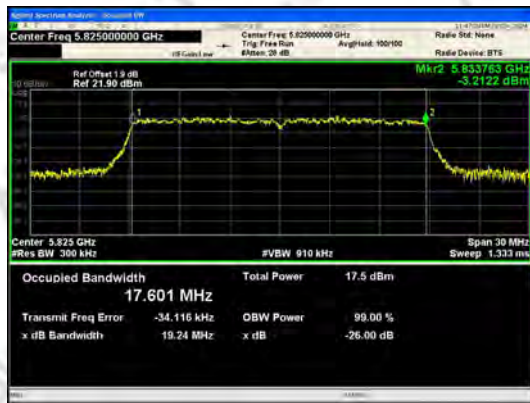
IEEE 802.11ac_Channel 149_20MHz_Antenna 1



IEEE 802.11ac_Channel 157_20MHz_Antenna 0



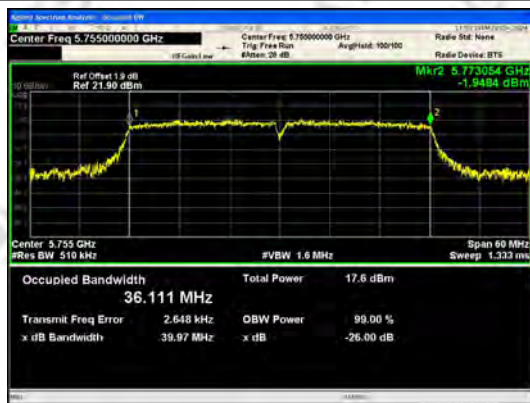
IEEE 802.11ac_Channel 157_20MHz_Antenna 1



IEEE 802.11ac_Channel 165_20MHz_Antenna 0



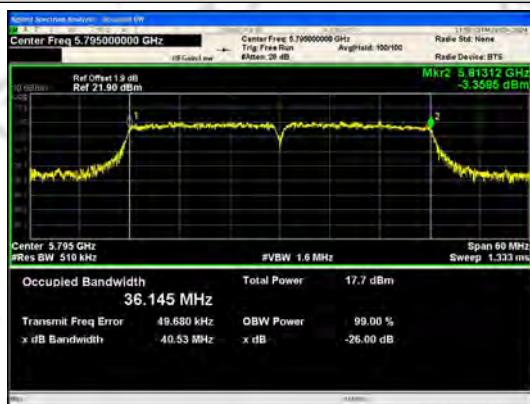
IEEE 802.11ac_Channel 165_20MHz_Antenna 1



IEEE 802.11ac_Channel 151_40MHz_Antenna 0



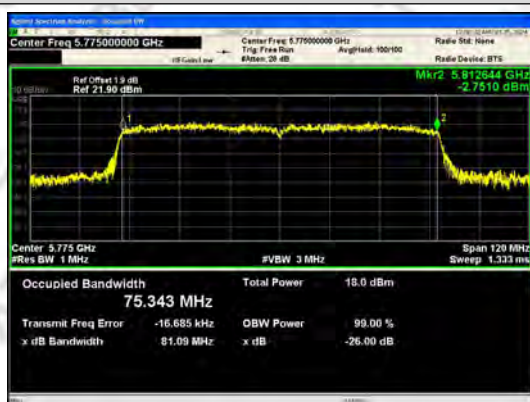
IEEE 802.11ac_Channel 151_40MHz_Antenna 1



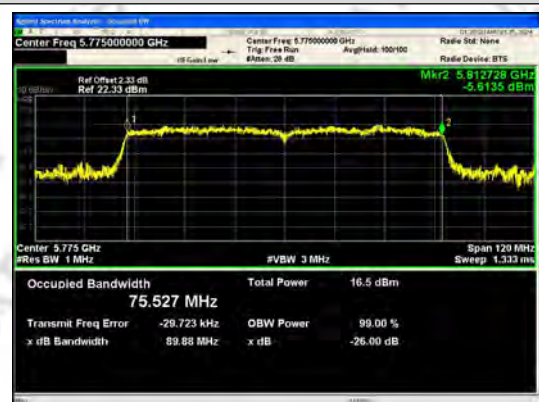
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 1



IEEE 802.11ac_Channel 155_80MHz_Antenna 0



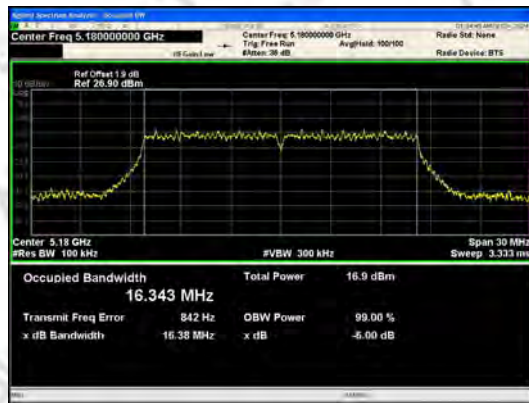
IEEE 802.11ac_Channel 155_80MHz_Antenna 1

6dB Bandwidth

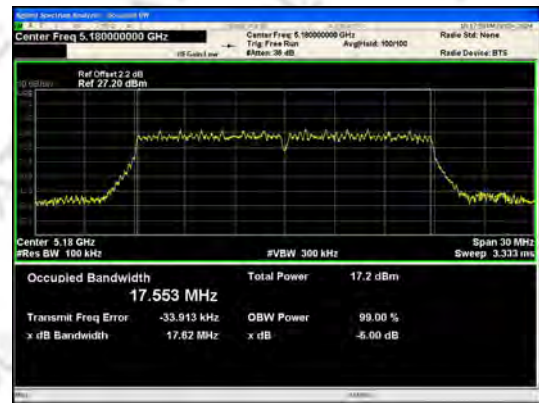
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	36	0	5180	16.38	≥0.5	PASS
		1	5180	17.62		PASS
	64	0	5320	16.41		PASS
		1	5320	17.58		PASS
	100	0	5500	16.38		PASS
		1	5500	17.64		PASS
	140	0	5700	16.41		PASS
		1	5700	16.36		PASS
	149	0	5745	17.66		PASS
		1	5745	16.37		PASS
	157	0	5785	17.65		PASS
		1	5785	16.38		PASS
	165	0	5825	17.67		PASS
		1	5825	16.36		PASS
IEEE 802.11n_20	36	0	5180	17.61		PASS
		1	5180	17.59		PASS
	64	0	5320	17.63		PASS
		1	5320	17.55		PASS
	100	0	5500	17.60		PASS
		1	5500	17.62		PASS
	140	0	5700	17.58		PASS
		1	5700	17.16		PASS
	149	0	5745	17.33		PASS
		1	5745	17.64		PASS
	157	0	5785	17.61		PASS
		1	5785	17.64		PASS
	165	0	5825	17.57		PASS
		1	5825	17.65		PASS
IEEE 802.11n_40	38	0	5190	35.12		PASS
		1	5190	35.41		PASS
	62	0	5310	35.35		PASS
		1	5310	35.74		PASS
	102	0	5510	35.13		PASS
		1	5510	36.28		PASS
	134	0	5670	35.15		PASS
		1	5670	35.40		PASS
	151	0	5755	35.75		PASS
		1	5755	35.73		PASS
	159	0	5795	35.46		PASS

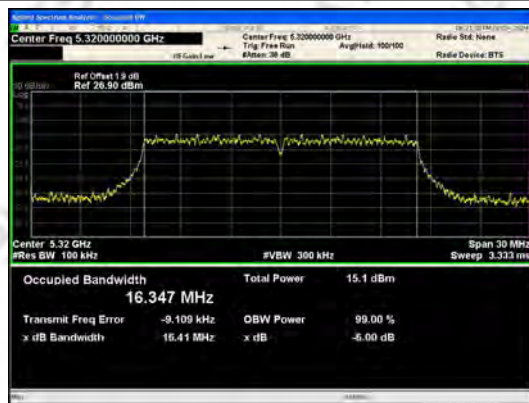
		1	5795	35.73		PASS
IEEE 802.11ac_20	36	0	5180	17.55		PASS
		1	5180	17.64		PASS
	64	0	5320	17.56		PASS
		1	5320	17.63		PASS
	100	0	5500	17.60		PASS
		1	5500	17.63		PASS
	140	0	5700	17.57		PASS
		1	5700	17.54		PASS
	149	0	5745	17.61		PASS
		1	5745	17.65		PASS
	157	0	5785	17.62		PASS
		1	5785	17.59		PASS
	165	0	5825	17.28		PASS
		1	5825	17.57		PASS
IEEE 802.11ac_40	38	0	5190	35.75		PASS
		1	5190	35.05		PASS
	62	0	5310	35.99		PASS
		1	5310	35.70		PASS
	102	0	5510	36.07		PASS
		1	5510	35.14		PASS
	134	0	5670	36.28		PASS
		1	5670	35.71		PASS
	151	0	5755	35.76		PASS
		1	5755	35.32		PASS
IEEE 802.11ac_80	42	0	5210	75.12		PASS
		1	5210	75.09		PASS
	58	0	5290	75.10		PASS
		1	5290	75.13		PASS
	106	0	5530	75.12		PASS
		1	5530	75.11		PASS
	122	0	5610	75.11		PASS
		1	5610	75.12		PASS
	155	0	5775	75.11		PASS
		1	5775	75.13		PASS



IEEE 802.11a_Channel 36_20MHz_Antenna 0



IEEE 802.11a_Channel 36_20MHz_Antenna 1



IEEE 802.11a_Channel 64_20MHz_Antenna 0



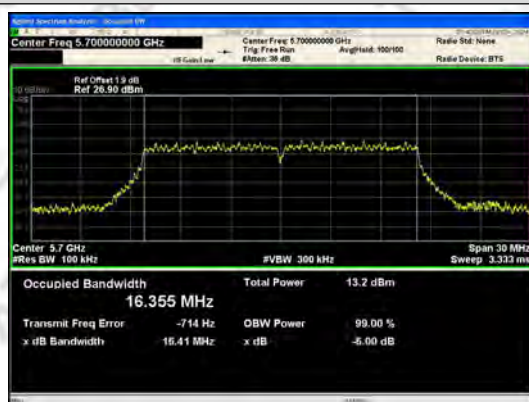
IEEE 802.11a_Channel 64_20MHz_Antenna 1



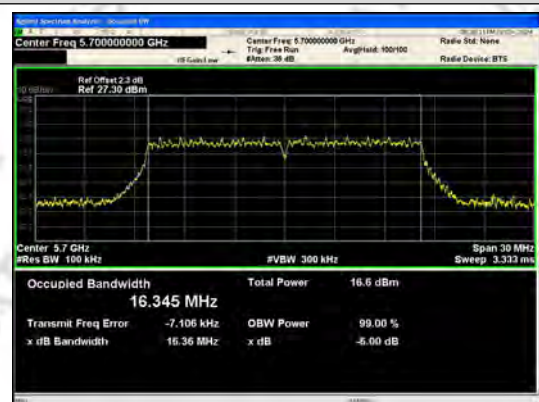
IEEE 802.11a_Channel 100_20MHz_Antenna 0



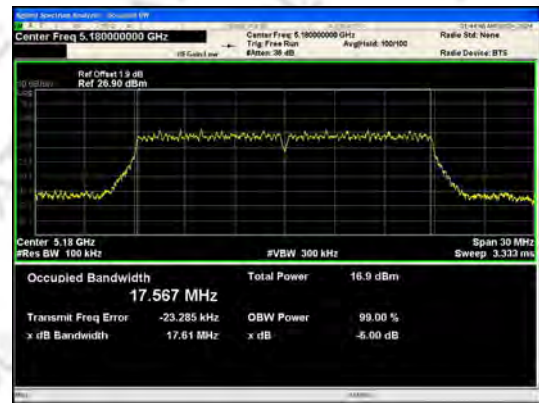
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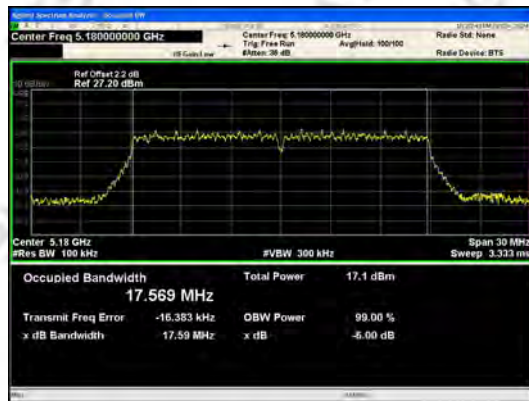
IEEE 802.11a_Channel 140_20MHz_Antenna 0



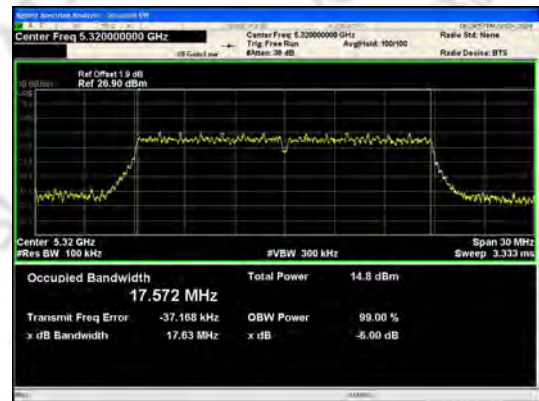
IEEE 802.11a_Channel 140_20MHz_Antenna 1



IEEE 802.11n_Channel 36_20MHz_Antenna 0



IEEE 802.11n_Channel 36_20MHz_Antenna 1



IEEE 802.11n_Channel 64_20MHz_Antenna 0



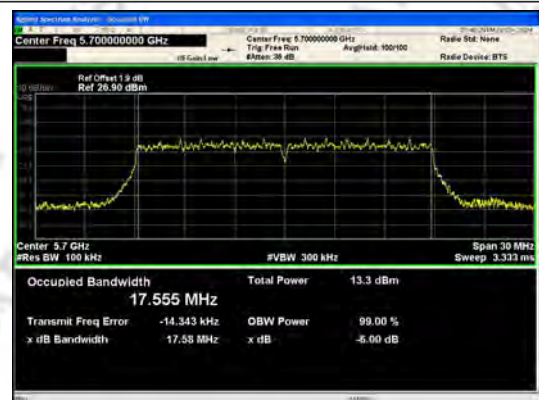
IEEE 802.11n_Channel 64_20MHz_Antenna 1



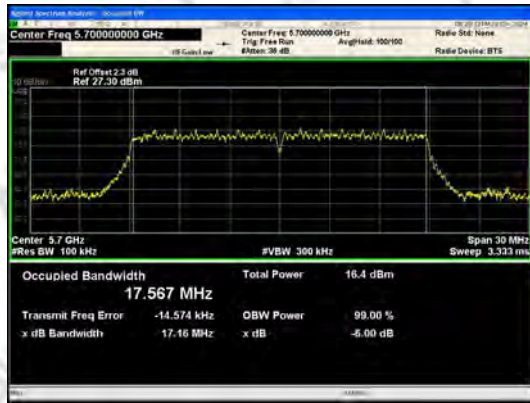
IEEE 802.11n_Channel 100_20MHz_Antenna 0



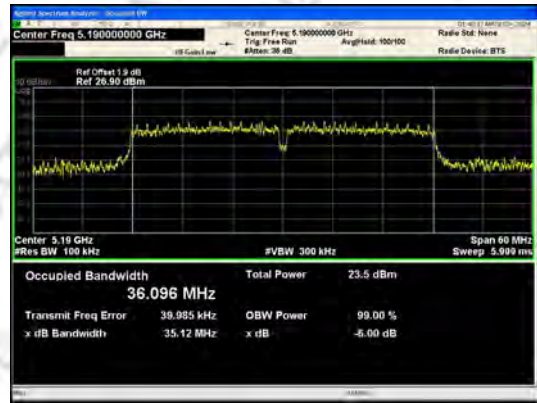
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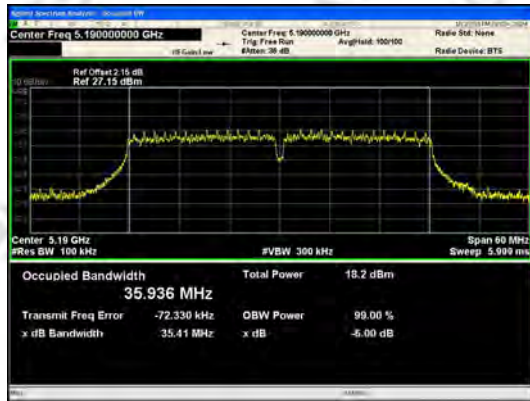
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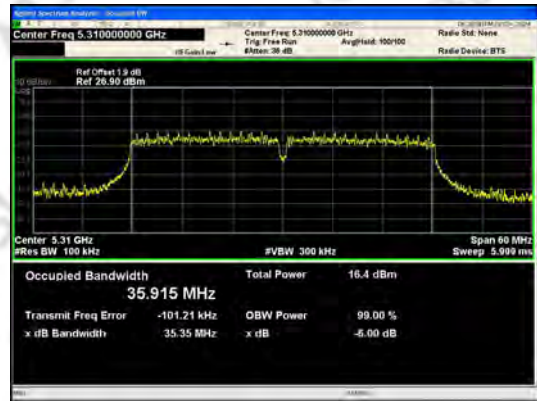
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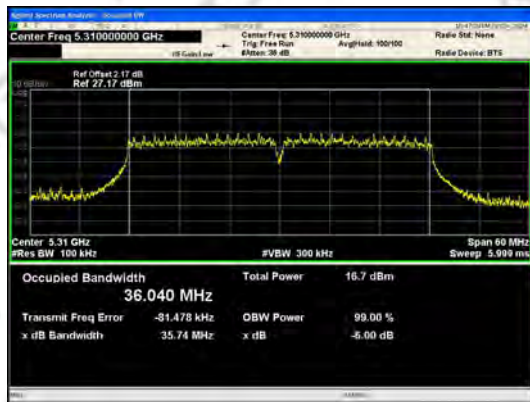
IEEE 802.11n_Channel 38_40MHz_Antenna 0



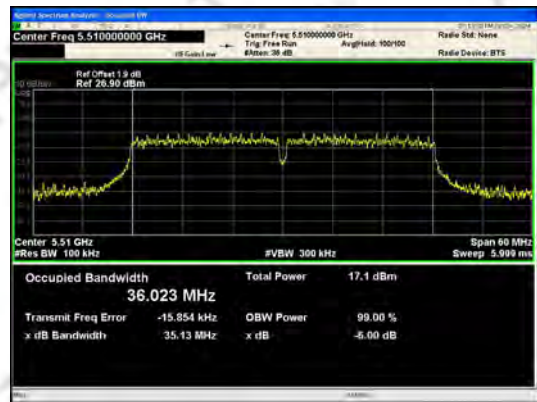
IEEE 802.11n_Channel 38_40MHz_Antenna 1



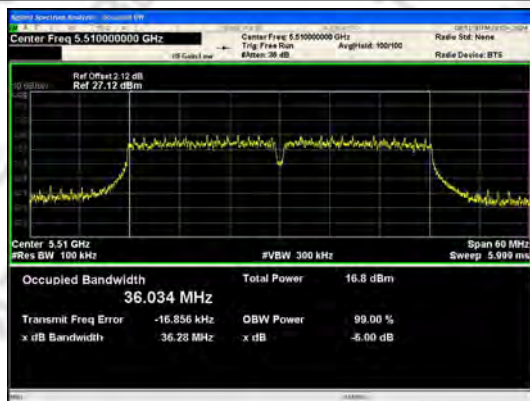
IEEE 802.11n_Channel 62_40MHz_Antenna 0



IEEE 802.11n_Channel 62_40MHz_Antenna 1



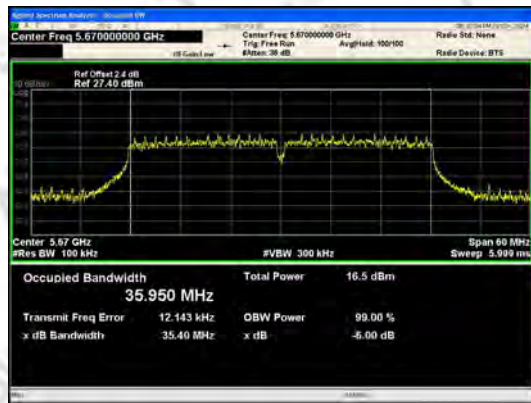
IEEE 802.11n_Channel 102_40MHz_Antenna 0



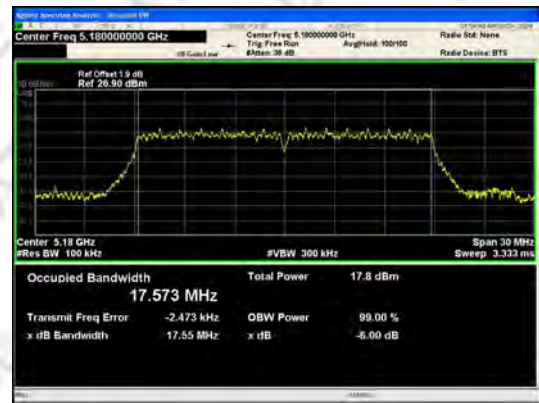
IEEE 802.11n_Channel 102_40MHz_Antenna 1



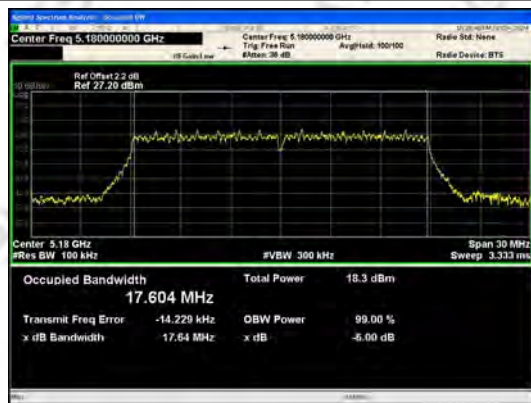
IEEE 802.11n_Channel 134_40MHz_Antenna 0



IEEE 802.11n_Channel 134_40MHz_Antenna 1



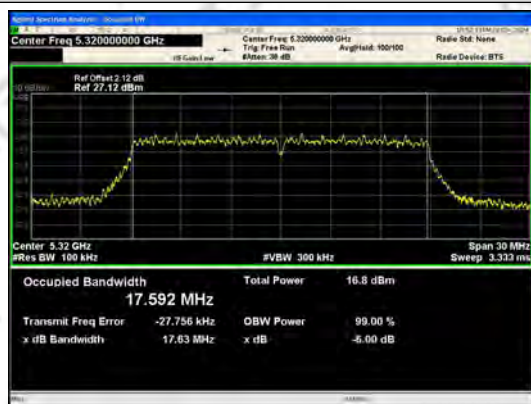
IEEE 802.11ac_Channel 36_20MHz_Antenna 0



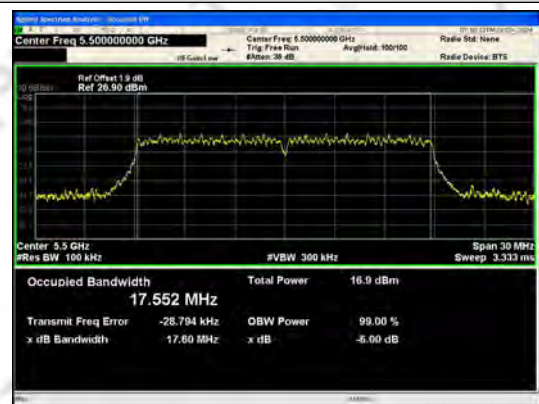
IEEE 802.11ac_Channel 36_20MHz_Antenna 1



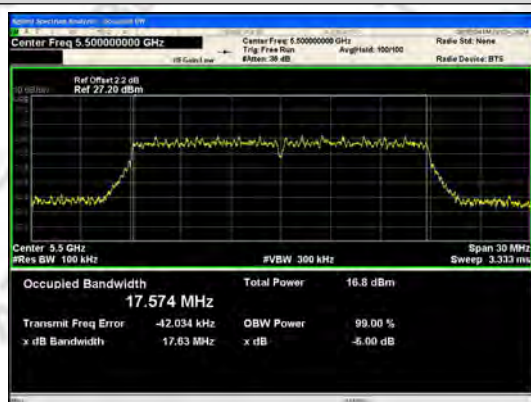
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



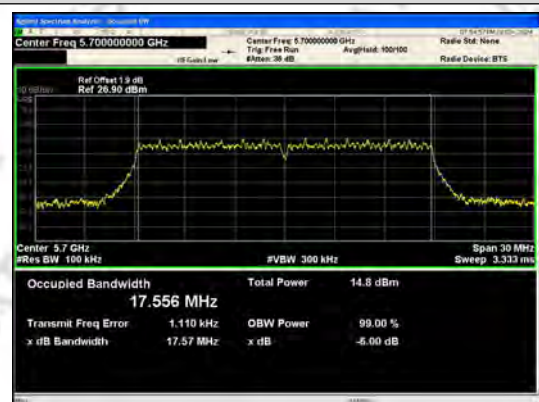
IEEE 802.11ac_Channel 64_20MHz_Antenna 1



IEEE 802.11ac_Channel 100_20MHz_Antenna 0



IEEE 802.11ac_Channel 100_20MHz_Antenna 1



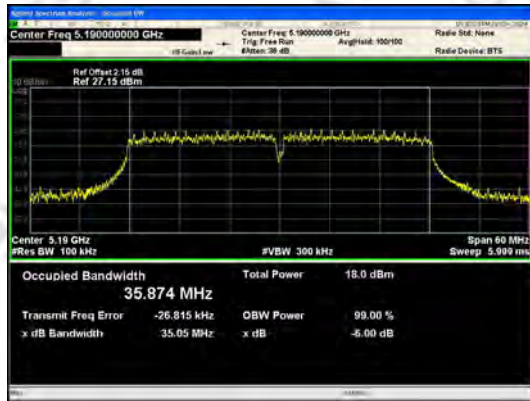
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



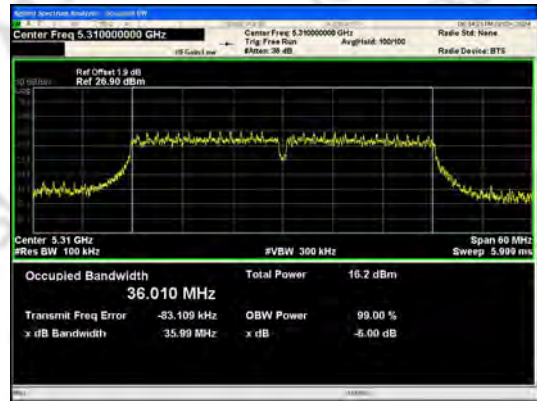
IEEE 802.11ac_Channel 140_20MHz_Antenna 1



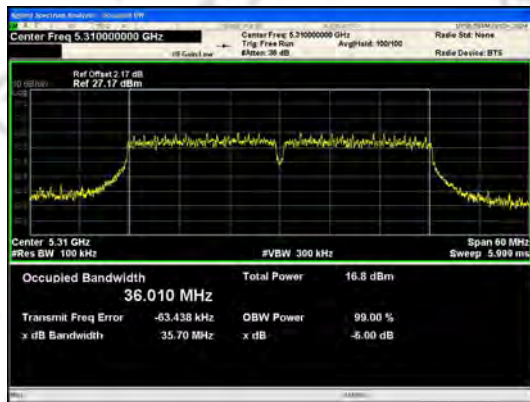
IEEE 802.11ac_Channel 38_40MHz_Antenna 0



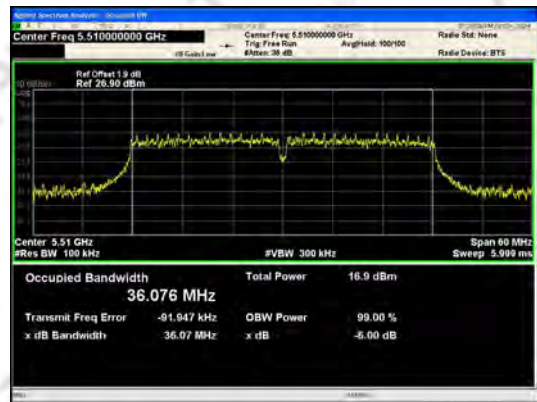
IEEE 802.11ac_Channel 38_40MHz_Antenna 1



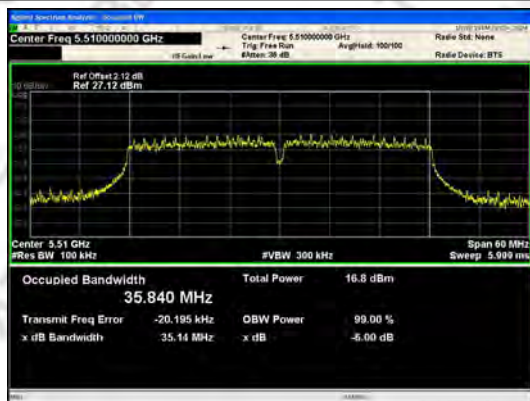
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



IEEE 802.11ac_Channel 62_40MHz_Antenna 1



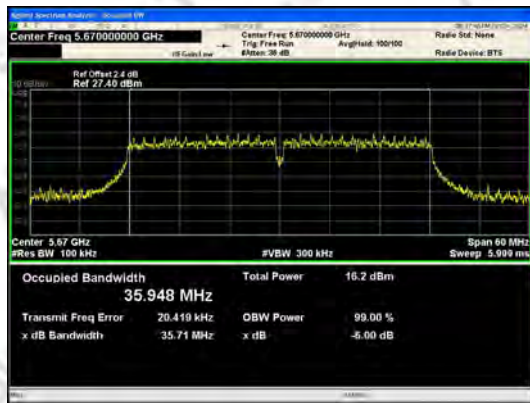
IEEE 802.11ac_Channel 102_40MHz_Antenna 0



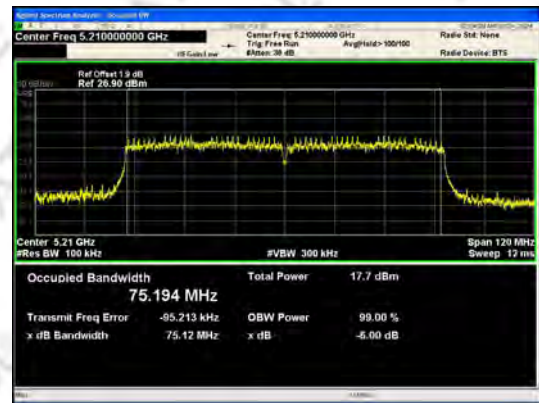
IEEE 802.11ac_Channel 102_40MHz_Antenna 1



IEEE 802.11ac_Channel 134_40MHz_Antenna 0



IEEE 802.11ac_Channel 134_40MHz_Antenna 1



IEEE 802.11ac_Channel 42_80MHz_Antenna 0



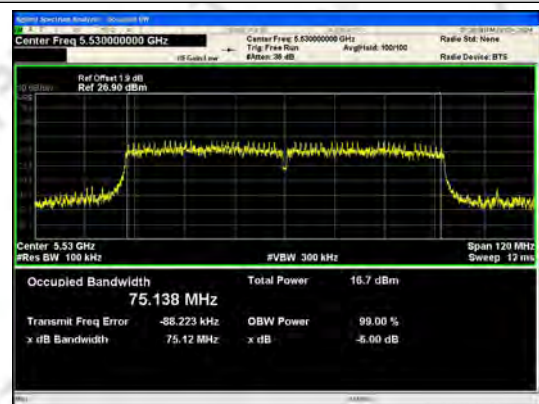
IEEE 802.11ac_Channel 42_80MHz_Antenna 1



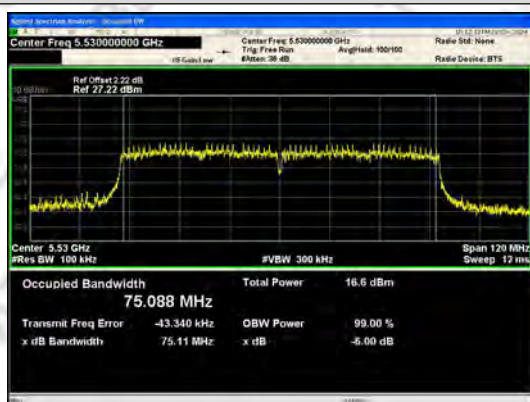
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



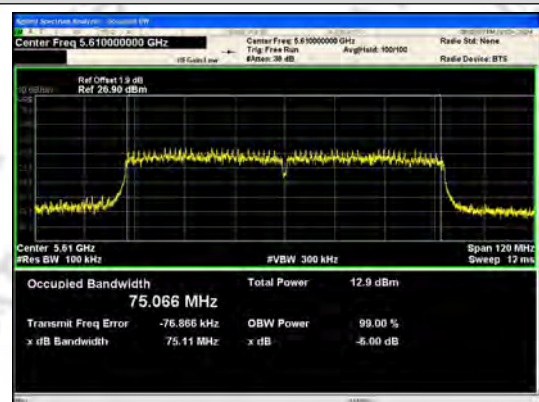
IEEE 802.11ac_Channel 58_80MHz_Antenna 1



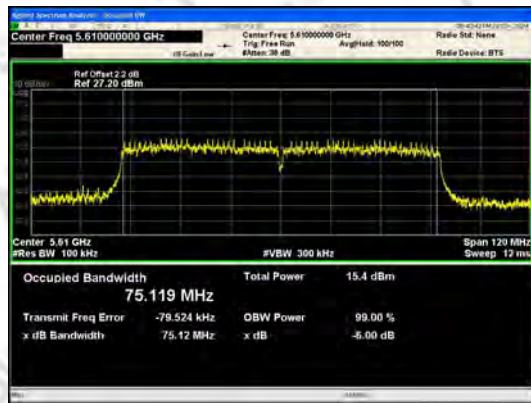
IEEE 802.11ac_Channel 106_80MHz_Antenna 0



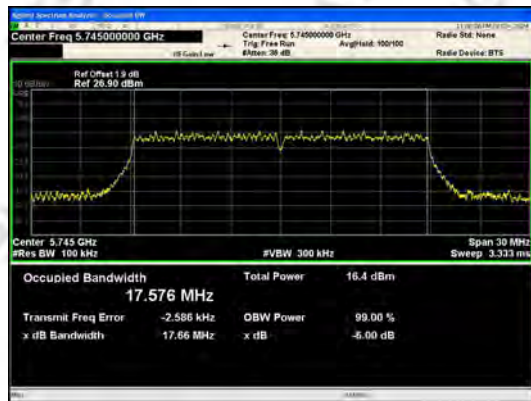
IEEE 802.11ac_Channel 106_80MHz_Antenna 1



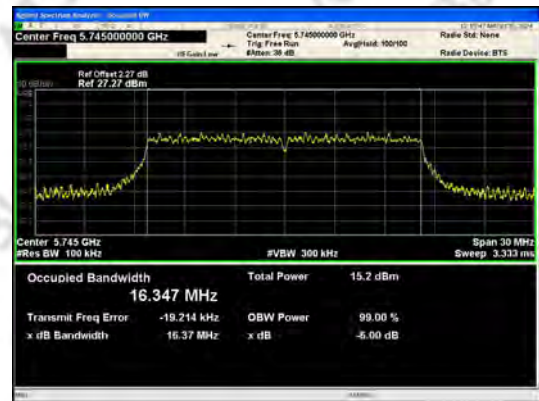
IEEE 802.11ac_Channel 122_80MHz_Antenna 0



IEEE 802.11ac_Channel 122_80MHz_Antenna 1



IEEE 802.11a_Channel 149_20MHz_Antenna 0



IEEE 802.11a_Channel 149_20MHz_Antenna 1



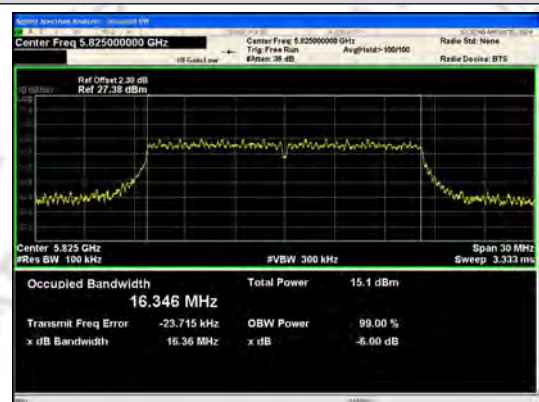
IEEE 802.11a_Channel 157_20MHz_Antenna 0



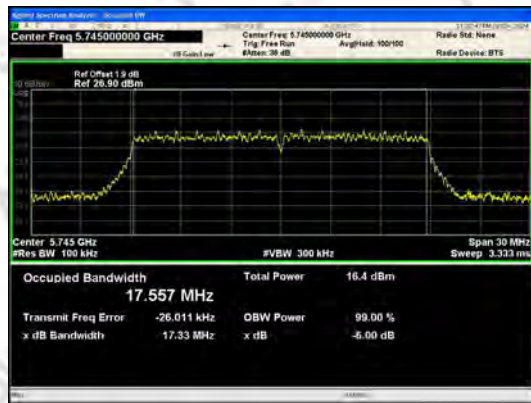
IEEE 802.11a_Channel 157_20MHz_Antenna 1



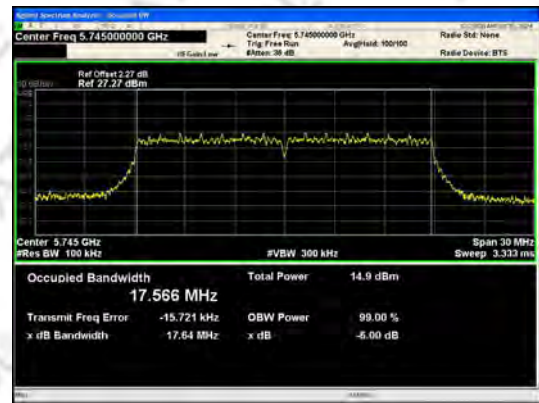
IEEE 802.11a_Channel 165_20MHz_Antenna 0



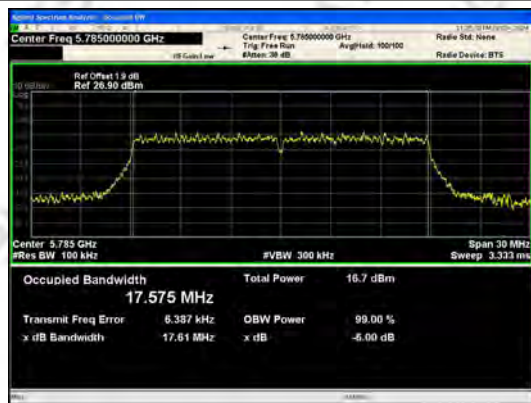
IEEE 802.11a_Channel 165_20MHz_Antenna 1



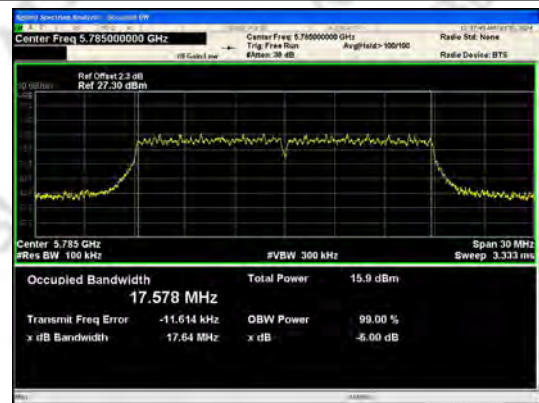
IEEE 802.11n_Channel 149_20MHz_Antenna 0



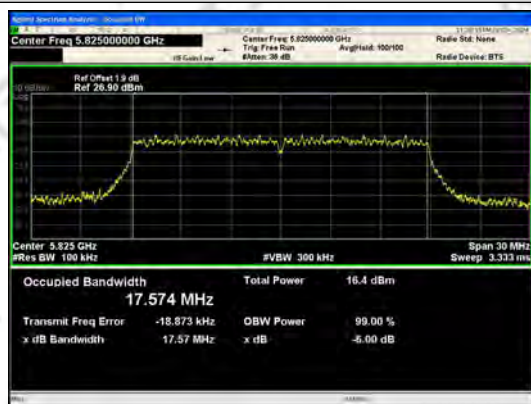
IEEE 802.11n_Channel 149_20MHz_Antenna 1



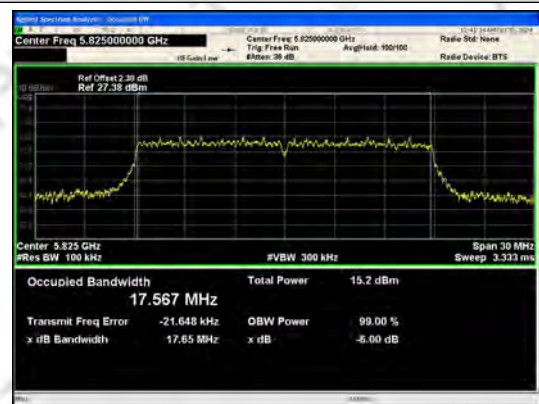
IEEE 802.11n_Channel 157_20MHz_Antenna 0



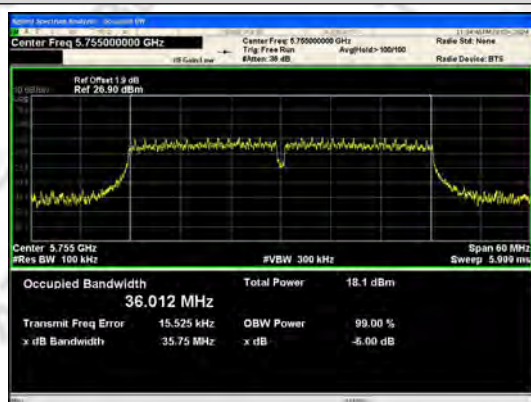
IEEE 802.11n_Channel 157_20MHz_Antenna 1



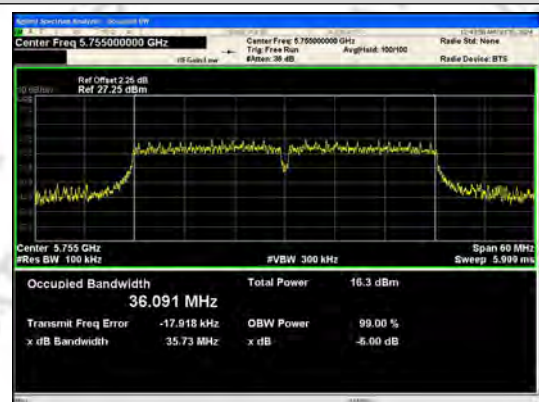
IEEE 802.11n_Channel 165_20MHz_Antenna 0



IEEE 802.11n_Channel 165_20MHz_Antenna 1



IEEE 802.11n_Channel 151_40MHz_Antenna 0



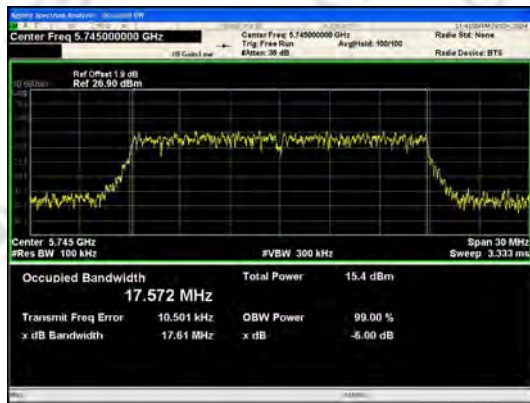
IEEE 802.11n_Channel 151_40MHz_Antenna 1



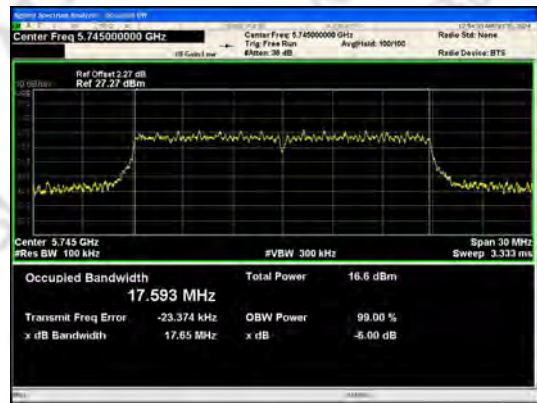
IEEE 802.11n_Channel 159_40MHz_Antenna 0



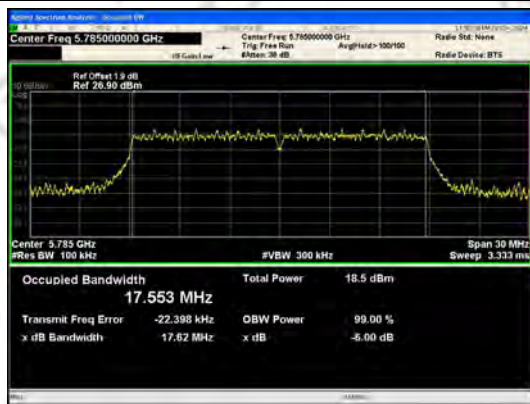
IEEE 802.11n_Channel 159_40MHz_Antenna 1



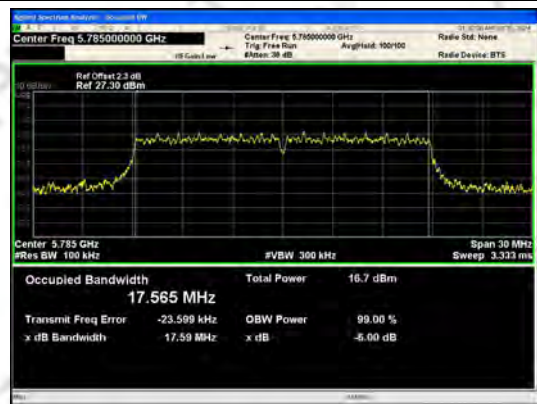
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



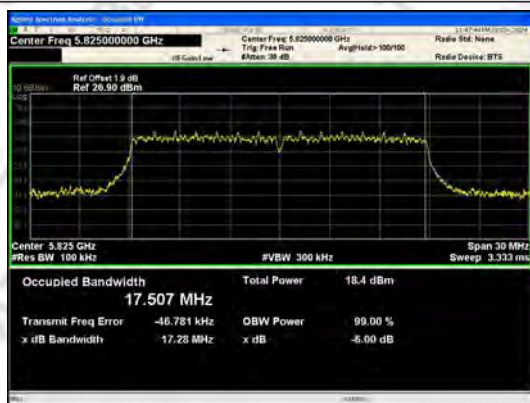
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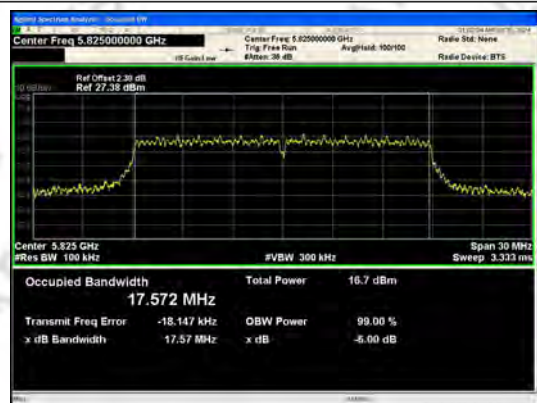
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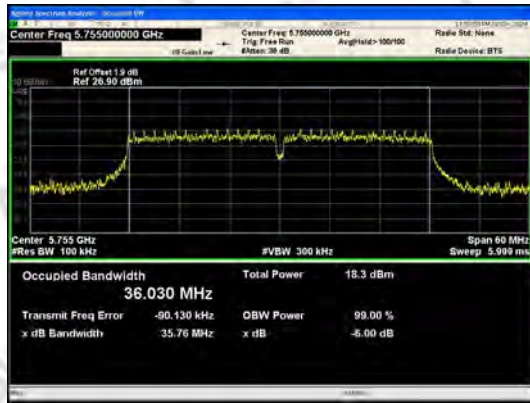
IEEE 802.11ac_Channel 157_20MHz_Antenna 1



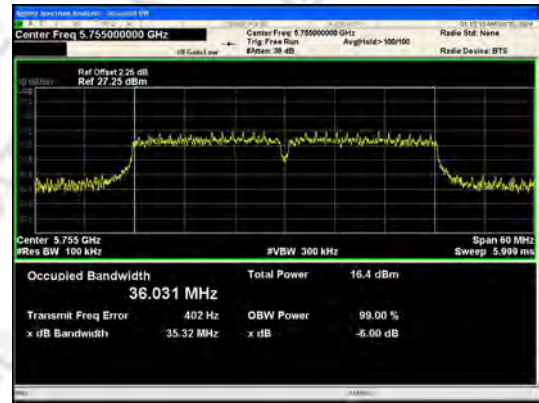
IEEE 802.11ac_Channel 165_20MHz_Antenna 0



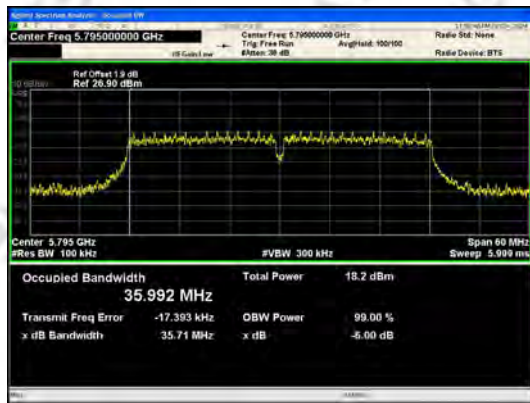
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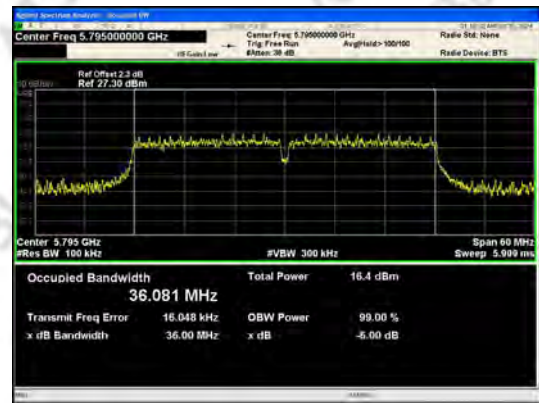
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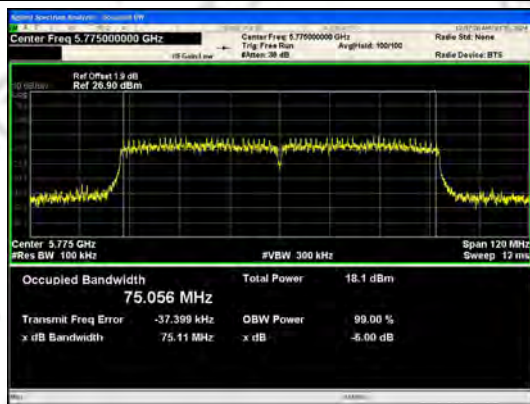
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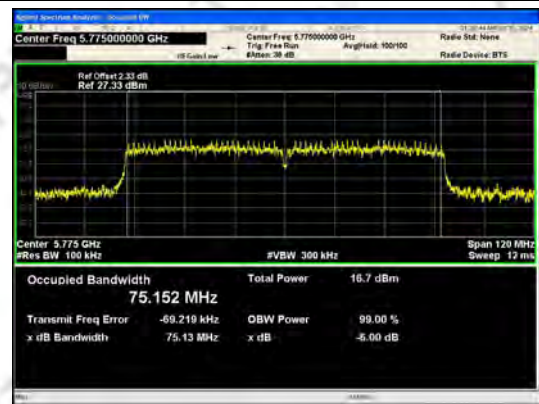
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 1



IEEE 802.11ac_Channel 155_80MHz_Antenna 0



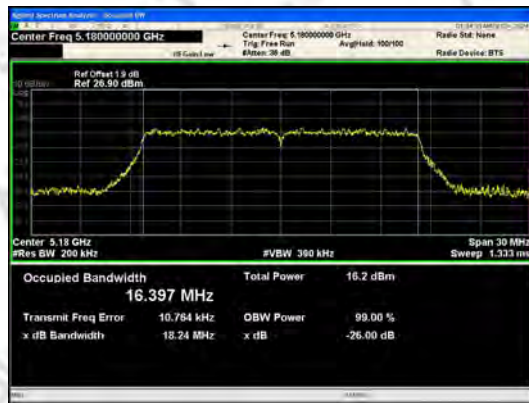
IEEE 802.11ac_Channel 155_80MHz_Antenna 1

26dB Bandwidth

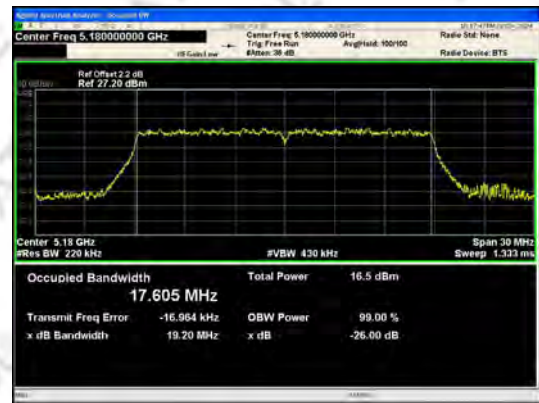
Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	0	5180	18.24	1.11
		1	5180	19.20	1.1
	64	0	5320	17.85	1.14
		1	5320	19.32	1.11
	100	0	5500	18.05	1.13
		1	5500	19.23	1.11
	140	0	5700	18.11	1.14
		1	5700	18.01	1.13
	149	0	5745	19.08	1.12
		1	5745	18.12	1.13
	157	0	5785	19.08	1.12
		1	5785	18.03	1.13
	165	0	5825	19.18	1.11
		1	5825	18.01	1.13
IEEE 802.11n_20	36	0	5180	19.32	1.11
		1	5180	19.22	1.11
	64	0	5320	19.10	1.12
		1	5320	19.25	1.12
	100	0	5500	19.30	1.11
		1	5500	18.83	1.12
	140	0	5700	19.04	1.12
		1	5700	19.24	1.11
	149	0	5745	19.25	1.11
		1	5745	19.06	1.12
	157	0	5785	19.17	1.11
		1	5785	19.42	1.11
	165	0	5825	19.18	1.11
		1	5825	19.23	1.11
IEEE 802.11n_40	38	0	5190	56.23	1.03
		1	5190	39.65	1.06
	62	0	5310	39.72	1.05
		1	5310	40.34	1.07
	102	0	5510	40.50	1.05
		1	5510	39.71	1.05
	134	0	5670	41.36	1.06
		1	5670	40.60	1.06
	151	0	5755	39.71	1.06
		1	5755	40.52	1.05
	159	0	5795	40.52	1.06
		1	5795	40.23	1.06

IEEE 802.11ac_20	36	0	5180	19.40	1.11
		1	5180	19.21	1.11
	64	0	5320	19.04	1.12
		1	5320	19.48	1.11
	100	0	5500	19.11	1.11
		1	5500	19.20	1.12
	140	0	5700	19.18	1.11
		1	5700	19.02	1.11
	149	0	5745	19.21	1.1
		1	5745	19.21	1.12
	157	0	5785	19.34	1.11
		1	5785	19.11	1.12
IEEE 802.11ac_40	38	0	5190	40.66	1.05
		1	5190	39.74	1.06
	62	0	5310	40.11	1.05
		1	5310	39.90	1.06
	102	0	5510	40.06	1.06
		1	5510	39.88	1.06
	134	0	5670	40.12	1.06
		1	5670	40.47	1.05
	151	0	5755	39.88	1.05
		1	5755	39.66	1.06
	159	0	5795	40.24	1.05
		1	5795	40.25	1.09
IEEE 802.11ac_80	42	0	5210	80.49	1.03
		1	5210	80.67	1.03
	58	0	5290	80.81	1.03
		1	5290	81.71	1.02
	106	0	5530	81.06	1.03
		1	5530	80.58	1.03
	122	0	5610	79.68	1.04
		1	5610	80.53	1.03
	155	0	5775	79.94	1.04
		1	5775	90.28	1.11



IEEE 802.11a_Channel 36_20MHz_Antenna 0



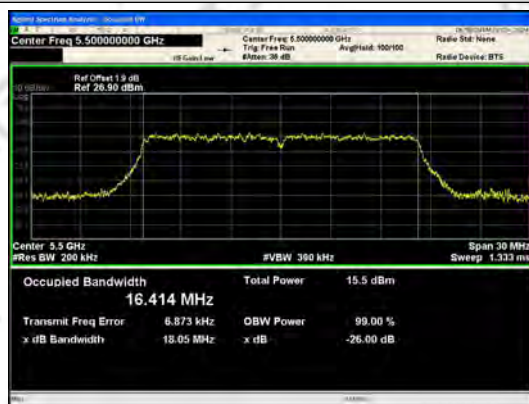
IEEE 802.11a_Channel 36_20MHz_Antenna 1



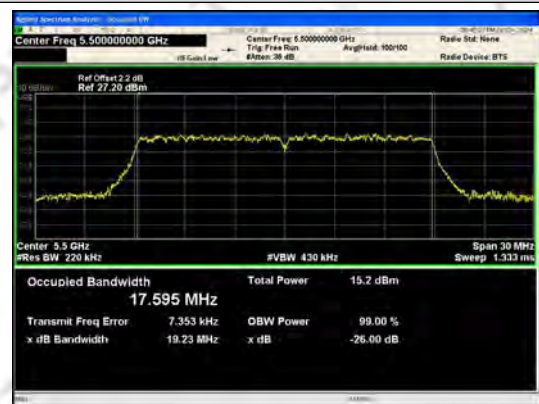
IEEE 802.11a_Channel 64_20MHz_Antenna 0



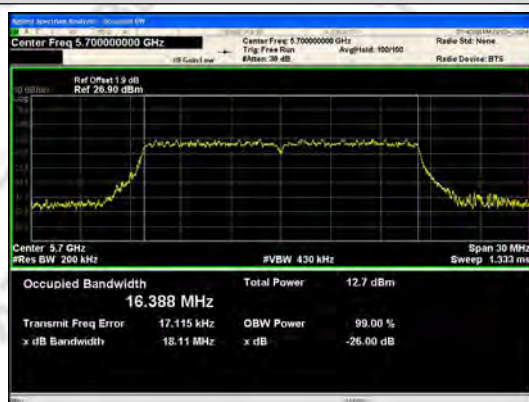
IEEE 802.11a_Channel 64_20MHz_Antenna 1



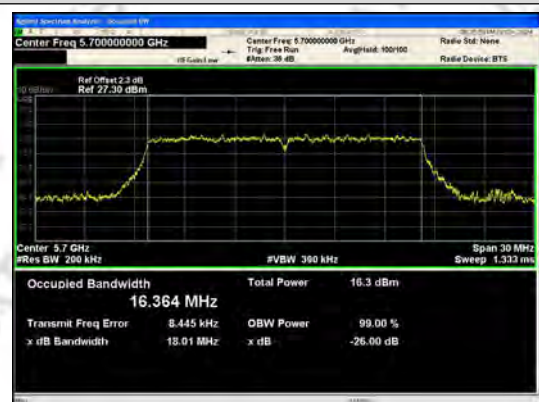
IEEE 802.11a_Channel 100_20MHz_Antenna 0



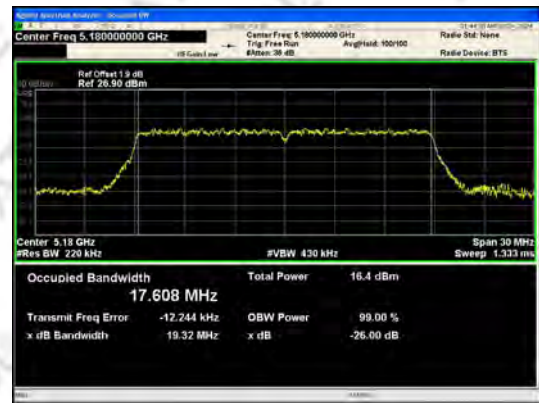
IEEE 802.11a_Channel 100_20MHz_Antenna 1



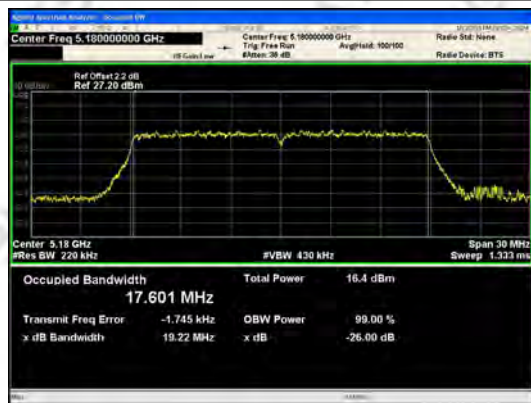
IEEE 802.11a_Channel 140_20MHz_Antenna 0



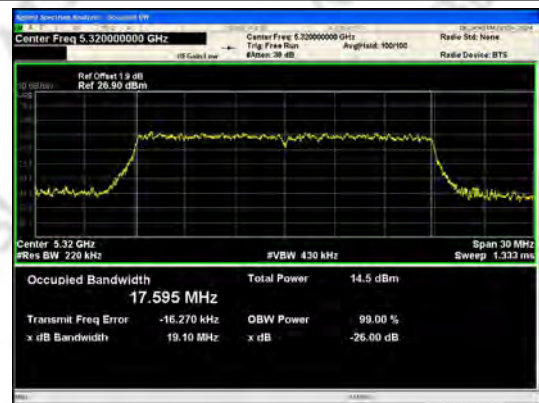
IEEE 802.11a_Channel 140_20MHz_Antenna 1



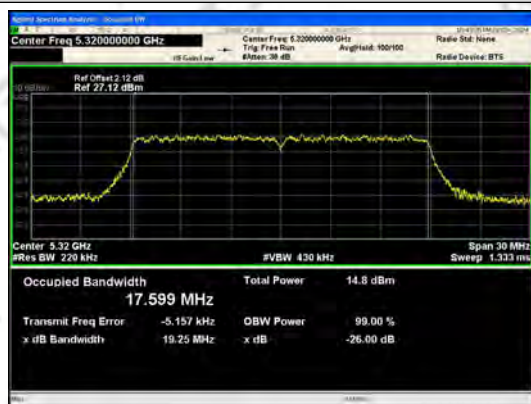
IEEE 802.11n_Channel 36_20MHz_Antenna 0



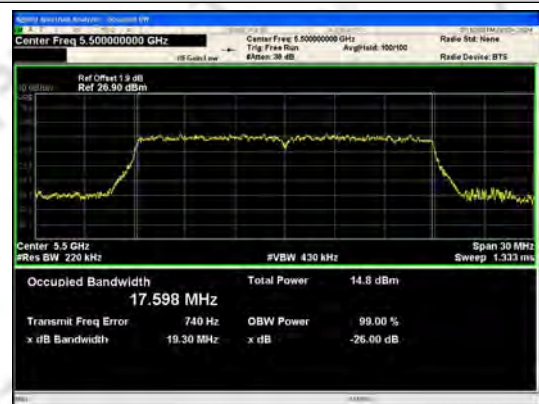
IEEE 802.11n_Channel 36_20MHz_Antenna 1



IEEE 802.11n_Channel 64_20MHz_Antenna 0



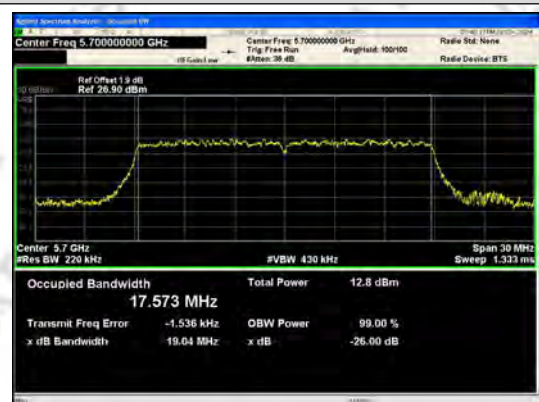
IEEE 802.11n_Channel 64_20MHz_Antenna 1



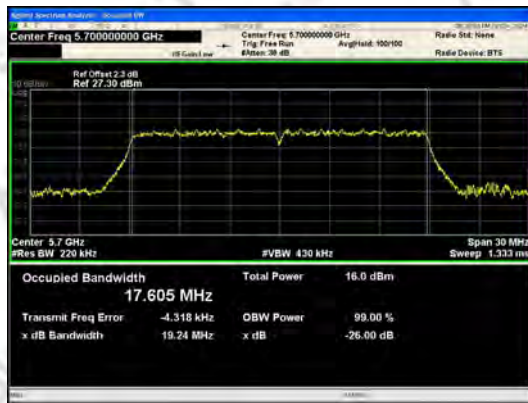
IEEE 802.11n_Channel 100_20MHz_Antenna 0



IEEE 802.11n_Channel 100_20MHz_Antenna 1



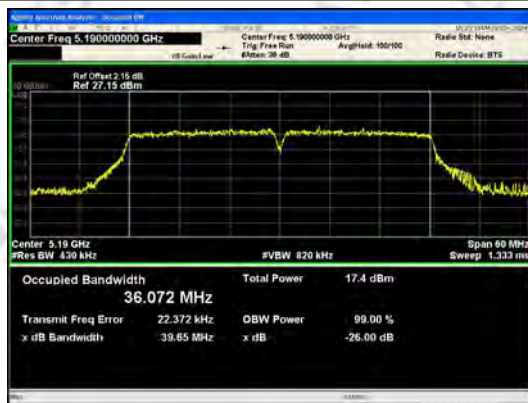
IEEE 802.11n_Channel 140_20MHz_Antenna 0



IEEE 802.11n_Channel 140_20MHz_Antenna 1



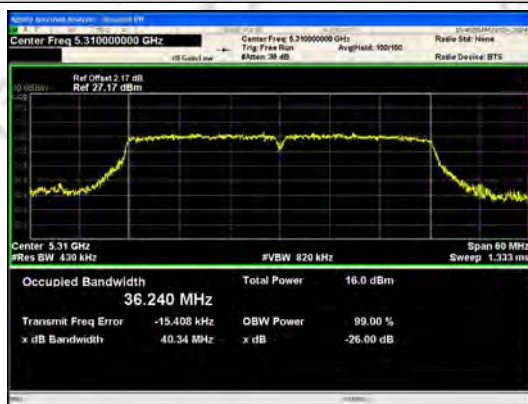
IEEE 802.11n_Channel 38_40MHz_Antenna 0



IEEE 802.11n_Channel 38_40MHz_Antenna 1



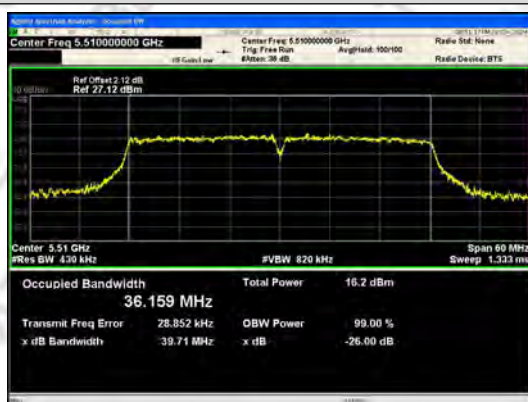
IEEE 802.11n_Channel 62_40MHz_Antenna 0



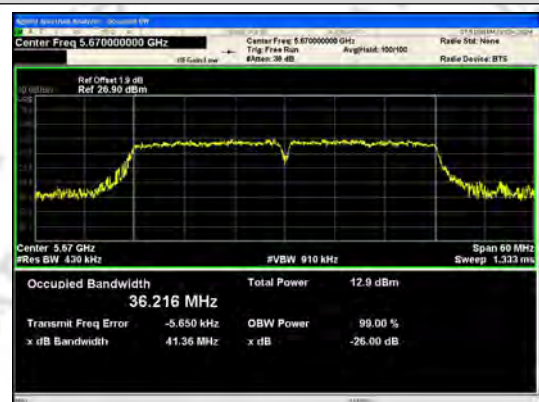
IEEE 802.11n_Channel 62_40MHz_Antenna 1



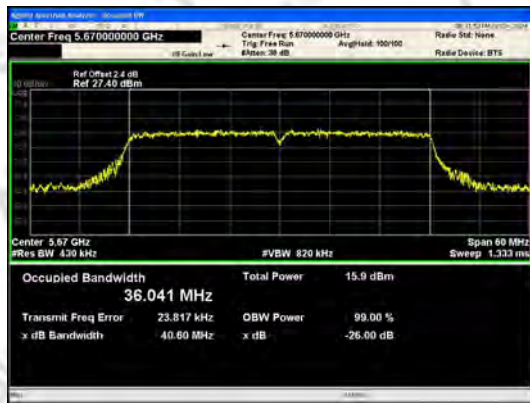
IEEE 802.11n_Channel 102_40MHz_Antenna 0



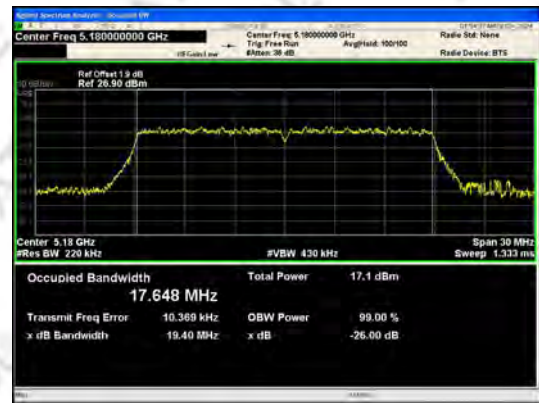
IEEE 802.11n_Channel 102_40MHz_Antenna 1



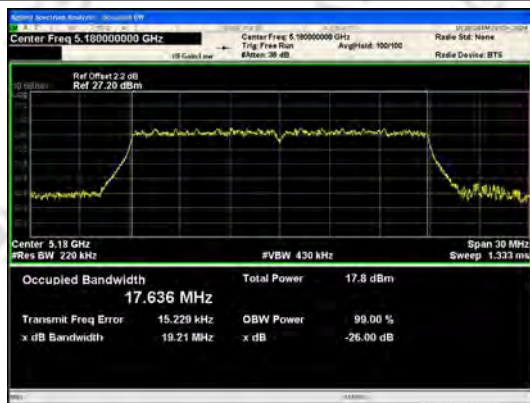
IEEE 802.11n_Channel 134_40MHz_Antenna 0



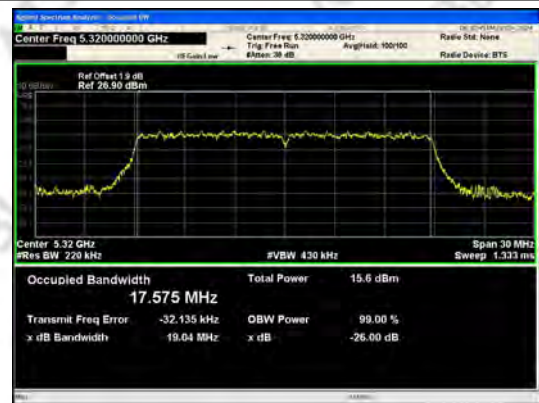
IEEE 802.11n_Channel 134_40MHz_Antenna 1



IEEE 802.11ac_Channel 36_20MHz_Antenna 0



IEEE 802.11ac_Channel 36_20MHz_Antenna 1



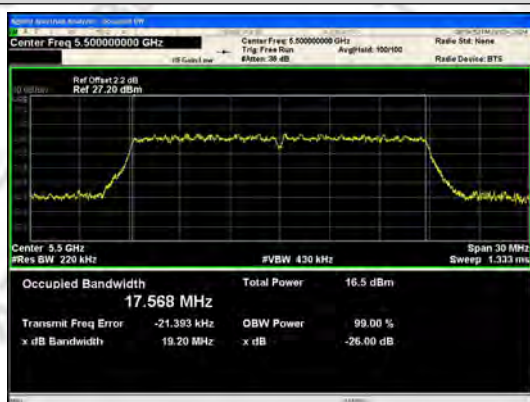
IEEE 802.11ac_Channel 64_20MHz_Antenna 0



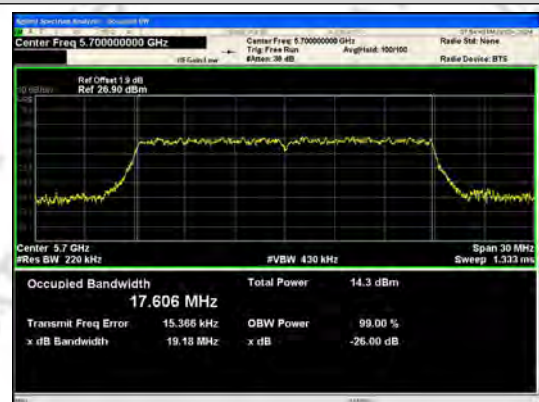
IEEE 802.11ac_Channel 64_20MHz_Antenna 1



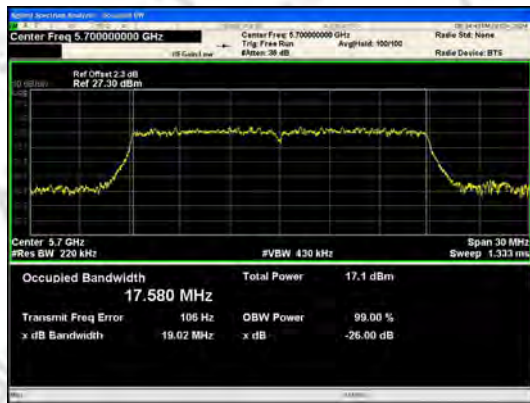
IEEE 802.11ac_Channel 100_20MHz_Antenna 0



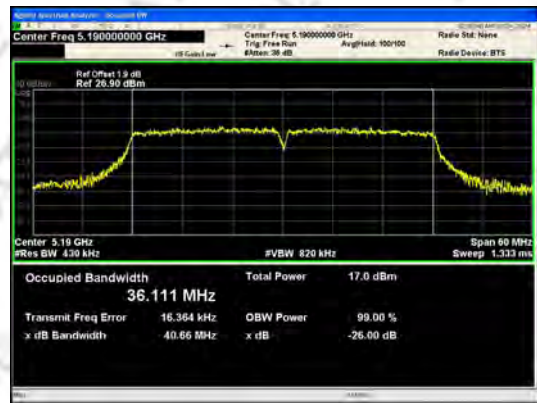
IEEE 802.11ac_Channel 100_20MHz_Antenna 1



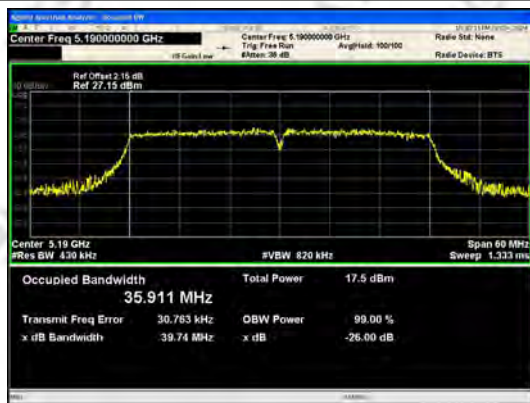
IEEE 802.11ac_Channel 140_20MHz_Antenna 0



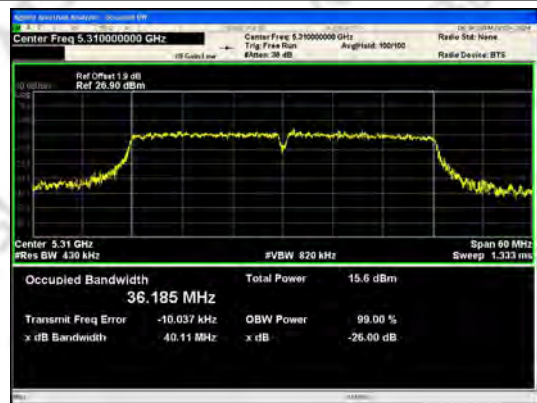
IEEE 802.11ac_Channel 140_20MHz_Antenna 1



IEEE 802.11ac_Channel 38_40MHz_Antenna 0



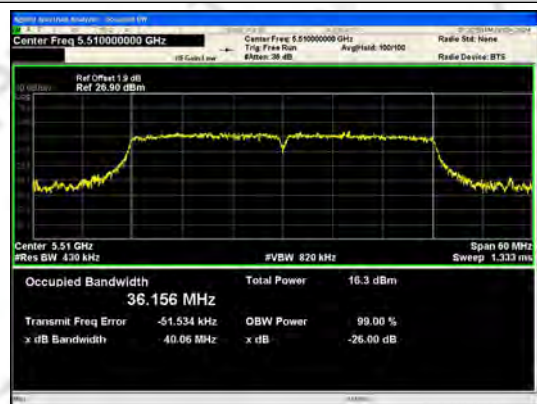
IEEE 802.11ac_Channel 38_40MHz_Antenna 1



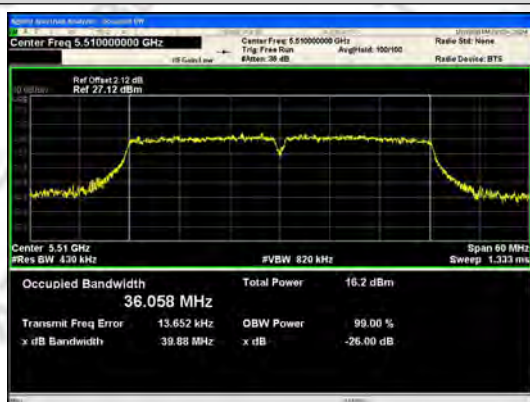
IEEE 802.11ac_Channel 62_40MHz_Antenna 0



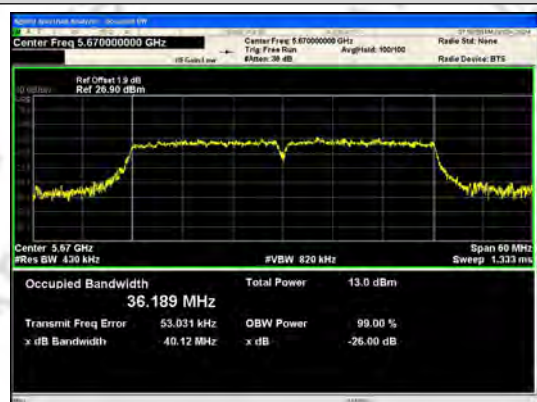
IEEE 802.11ac_Channel 62_40MHz_Antenna 1



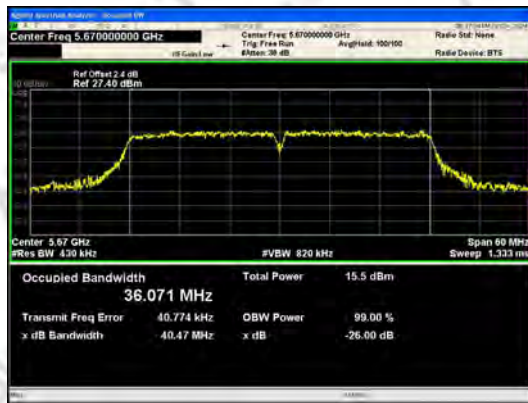
IEEE 802.11ac_Channel 102_40MHz_Antenna 0



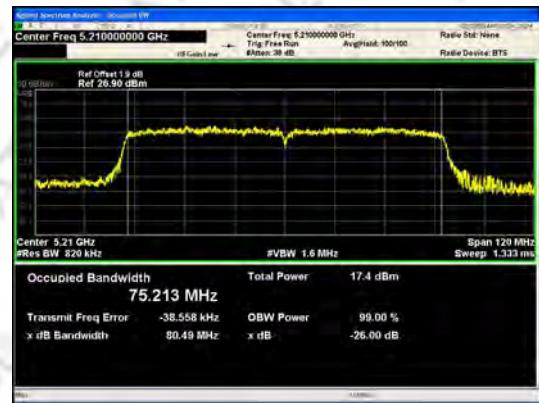
IEEE 802.11ac_Channel 102_40MHz_Antenna 1



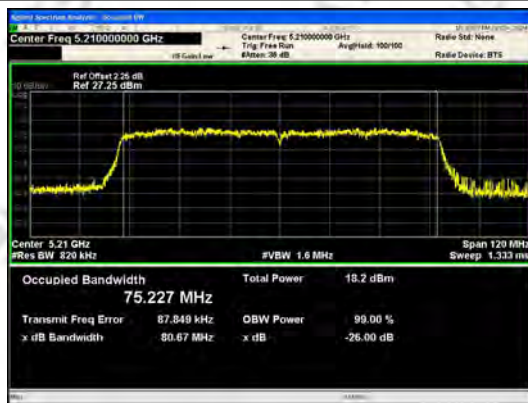
IEEE 802.11ac_Channel 134_40MHz_Antenna 0



IEEE 802.11ac_Channel 134_40MHz_Antenna 1



IEEE 802.11ac_Channel 42_80MHz_Antenna 0



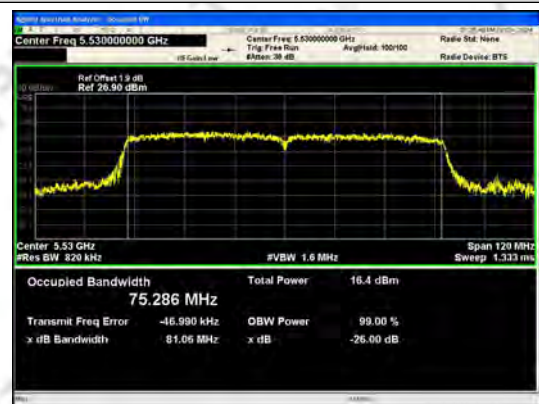
IEEE 802.11ac_Channel 42_80MHz_Antenna 1



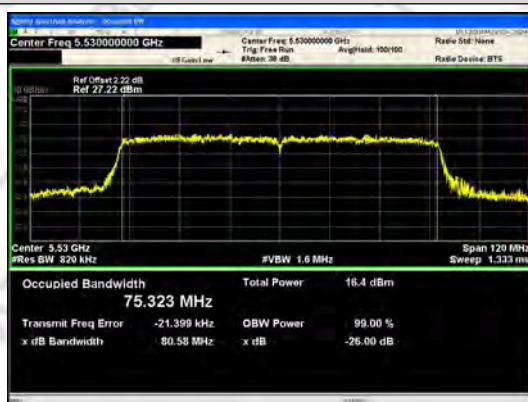
IEEE 802.11ac_Channel 58_80MHz_Antenna 0



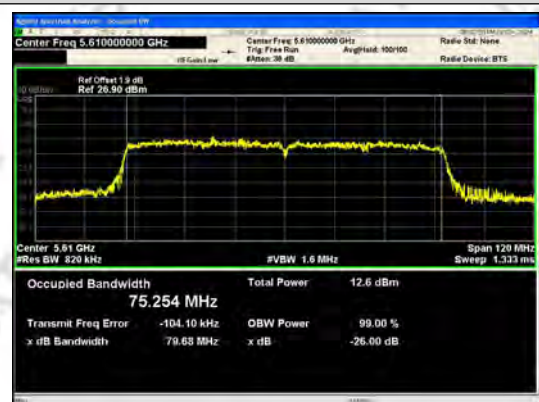
IEEE 802.11ac_Channel 58_80MHz_Antenna 1



IEEE 802.11ac_Channel 106_80MHz_Antenna 0



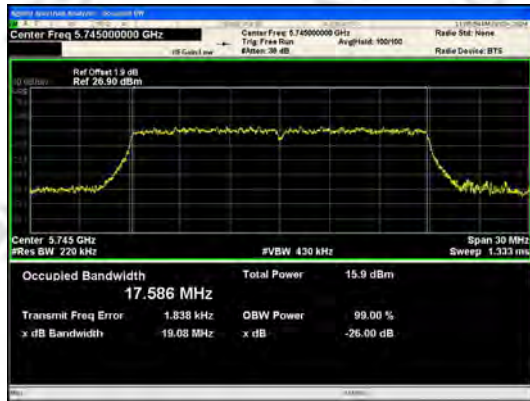
IEEE 802.11ac_Channel 106_80MHz_Antenna 1



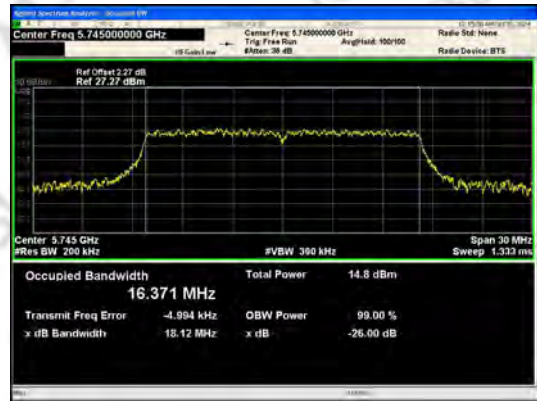
IEEE 802.11ac_Channel 122_80MHz_Antenna 0



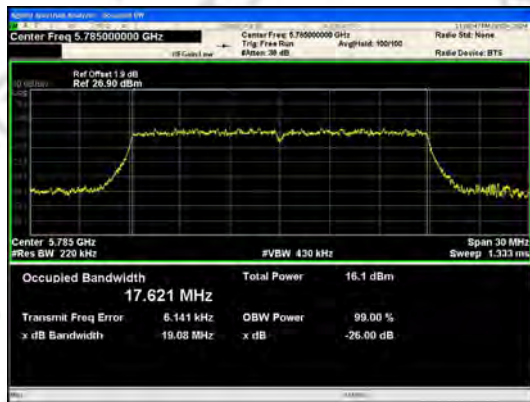
IEEE 802.11ac_Channel 122_80MHz_Antenna 1



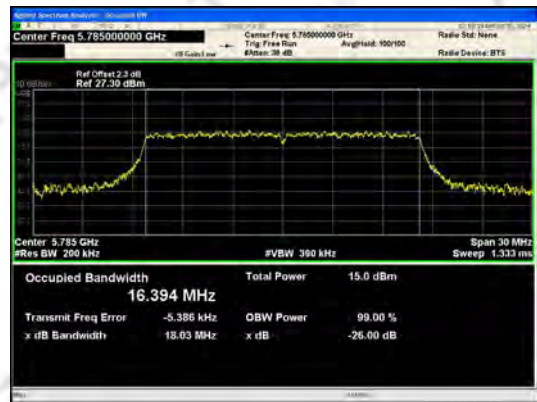
IEEE 802.11a_Channel 149_20MHz_Antenna 0



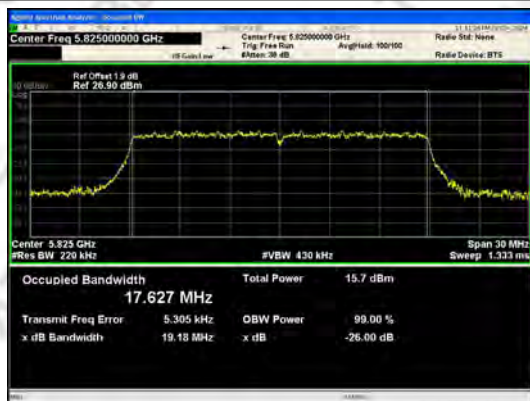
IEEE 802.11a_Channel 149_20MHz_Antenna 1



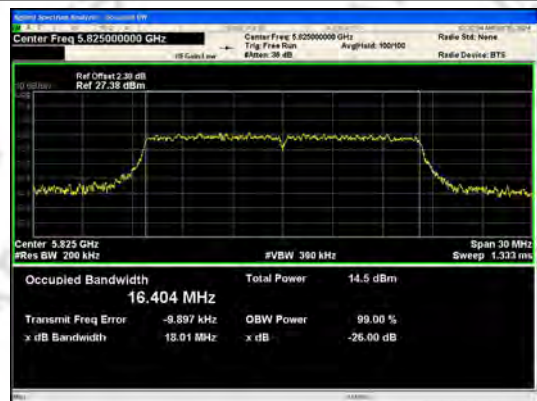
IEEE 802.11a_Channel 157_20MHz_Antenna 0



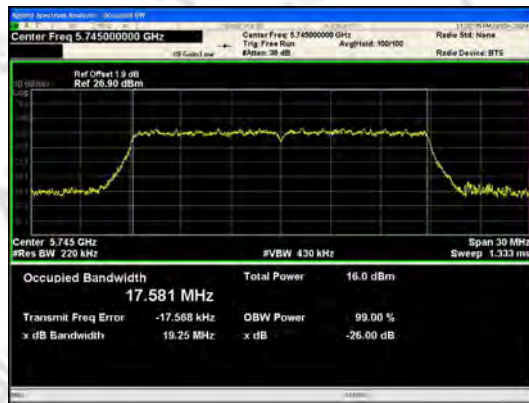
IEEE 802.11a_Channel 157_20MHz_Antenna 1



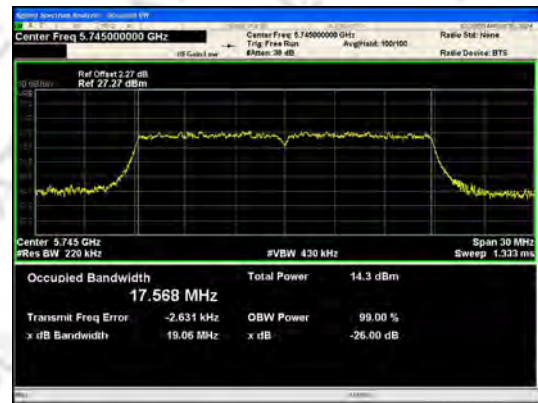
IEEE 802.11a_Channel 165_20MHz_Antenna 0



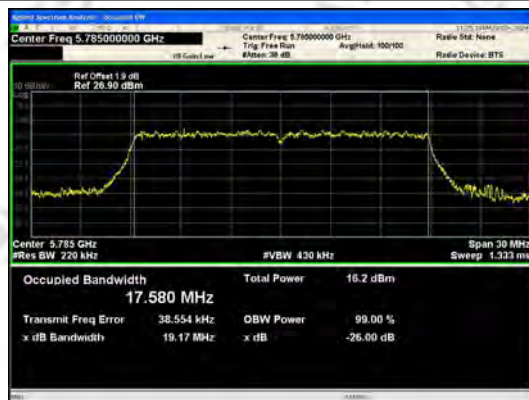
IEEE 802.11a_Channel 165_20MHz_Antenna 1



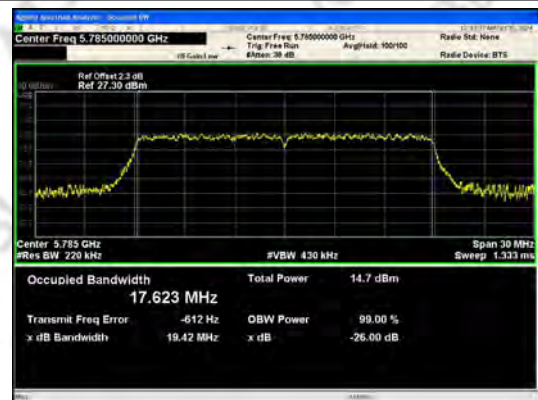
IEEE 802.11n_Channel 149_20MHz_Antenna 0



IEEE 802.11n_Channel 149_20MHz_Antenna 1



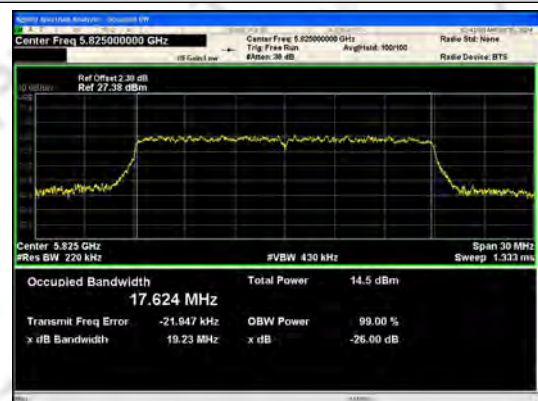
IEEE 802.11n_Channel 157_20MHz_Antenna 0



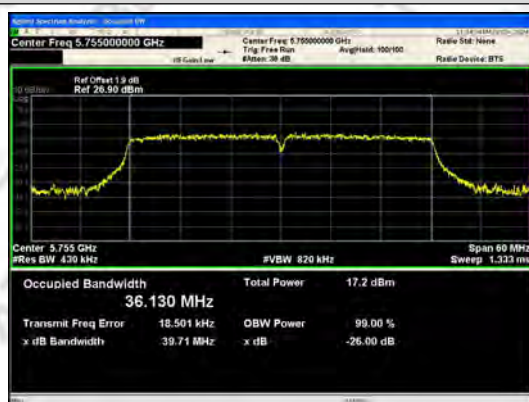
IEEE 802.11n_Channel 157_20MHz_Antenna 1



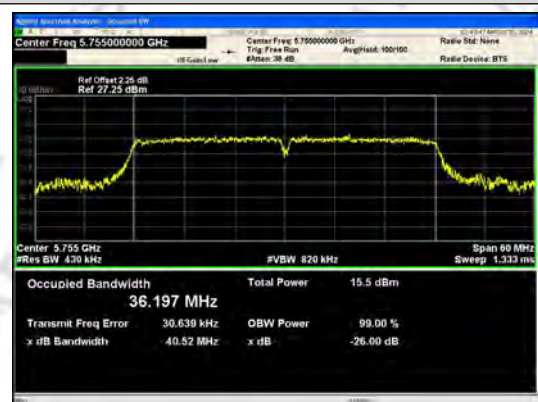
IEEE 802.11n_Channel 165_20MHz_Antenna 0



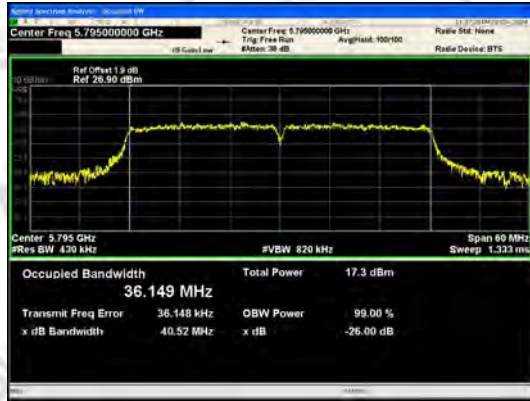
IEEE 802.11n_Channel 165_20MHz_Antenna 1



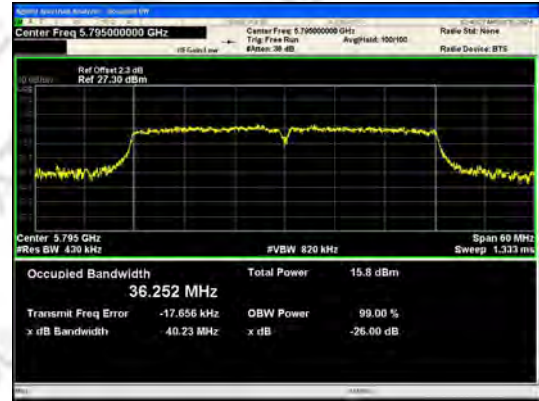
IEEE 802.11n_Channel 151_40MHz_Antenna 0



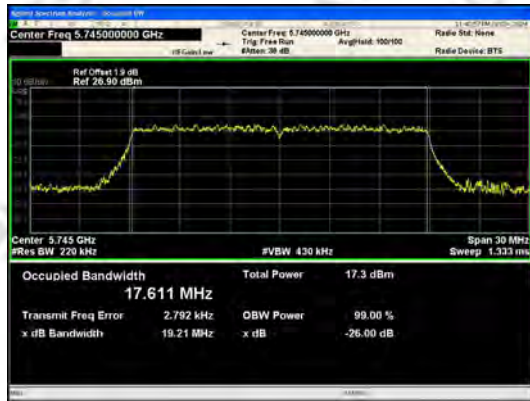
IEEE 802.11n_Channel 151_40MHz_Antenna 1



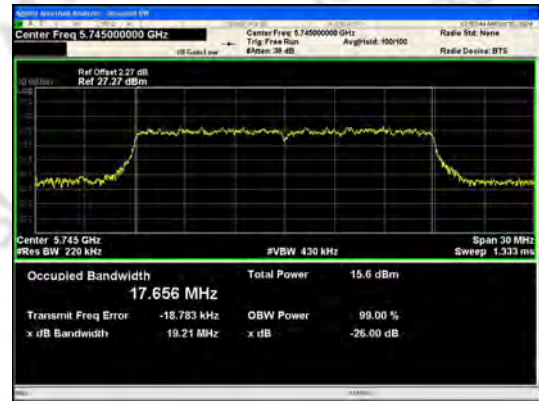
IEEE 802.11n_Channel 159_40MHz_Antenna 0



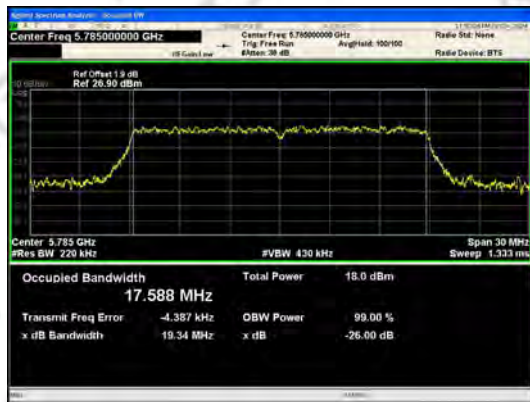
IEEE 802.11n_Channel 159_40MHz_Antenna 1



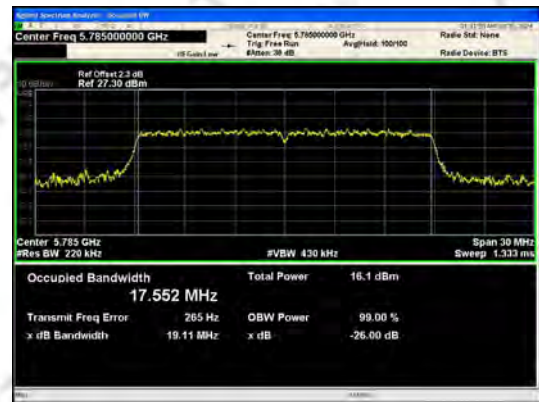
IEEE 802.11ac_Channel 149_20MHz_Antenna 0



IEEE 802.11ac_Channel 149_20MHz_Antenna 1



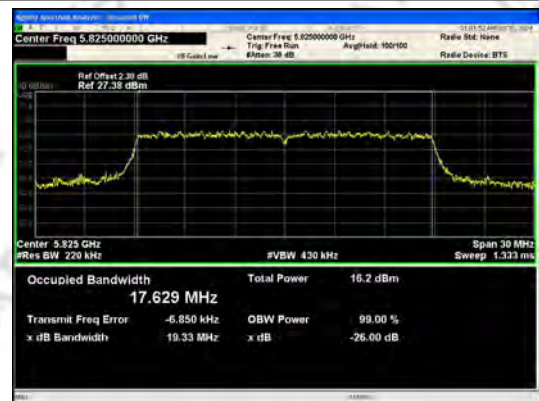
IEEE 802.11ac_Channel 157_20MHz_Antenna 0



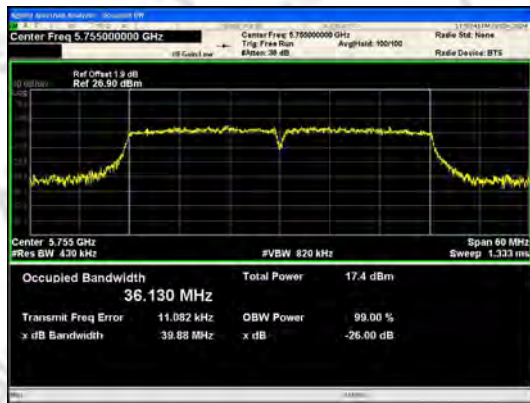
IEEE 802.11ac_Channel 157_20MHz_Antenna 1



IEEE 802.11ac_Channel 165_20MHz_Antenna 0



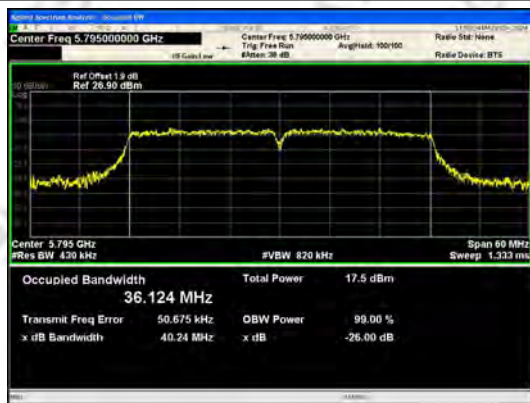
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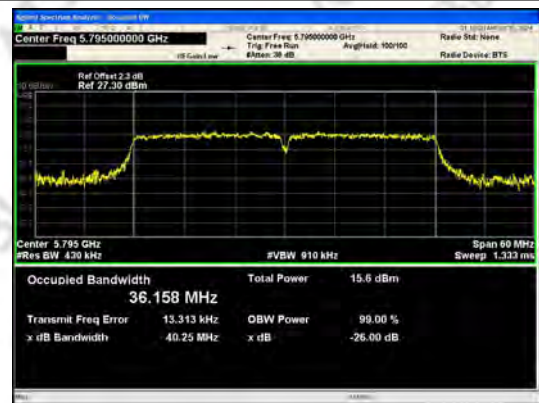
IEEE 802.11ac_Channel 151_40MHz_Antenna 0



IEEE 802.11ac_Channel 151_40MHz_Antenna 1



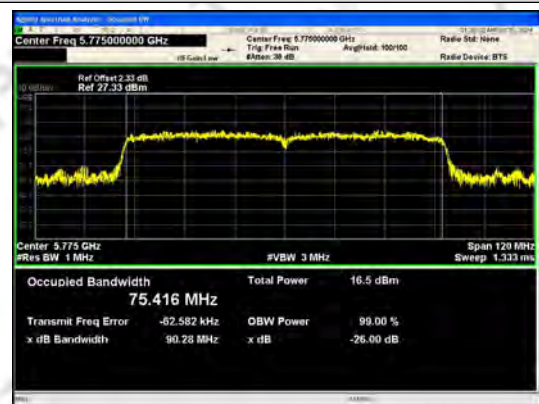
IEEE 802.11ac_Channel 159_40MHz_Antenna 0



IEEE 802.11ac_Channel 159_40MHz_Antenna 1



IEEE 802.11ac_Channel 155_80MHz_Antenna 0



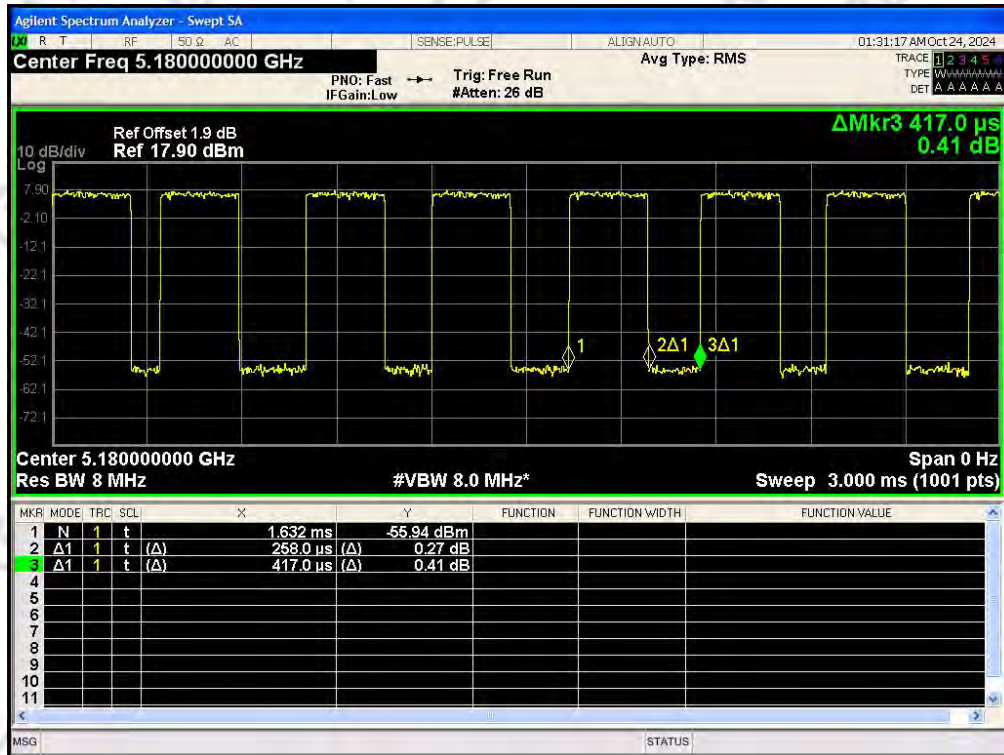
IEEE 802.11ac_Channel 155_80MHz_Antenna 1

Duty Cycle

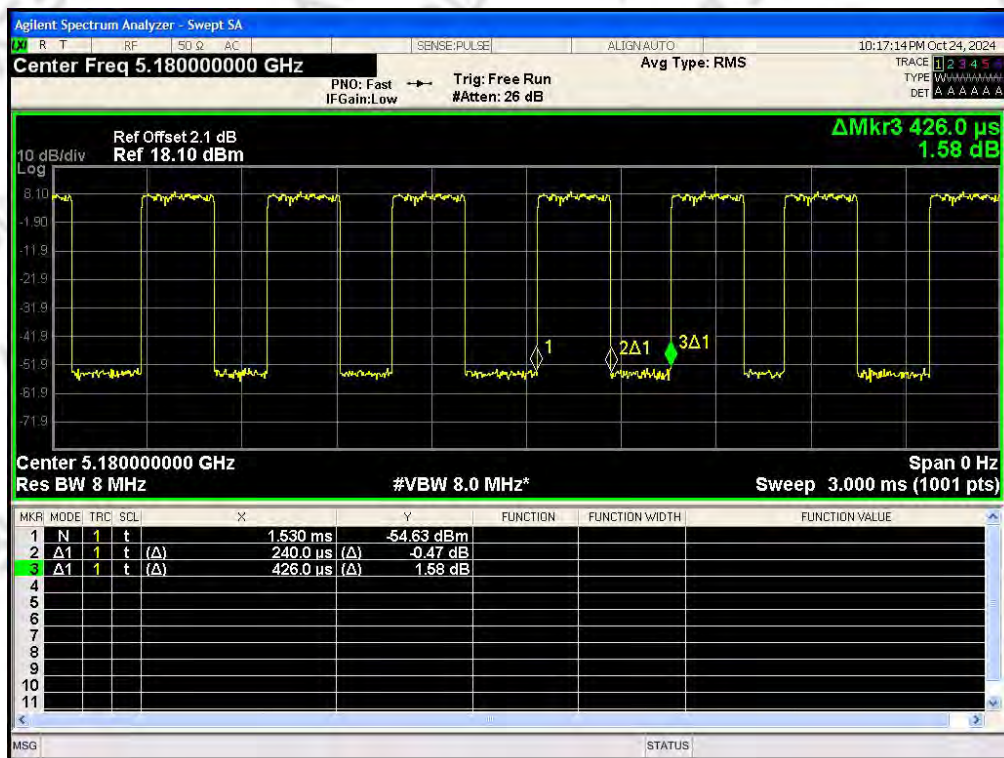
Test Result

Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
IEEE 802.11a	6	36	1	0.258	0.417	61.87	0.6187	2.0852
			2	0.240	0.426	56.34	0.5634	2.4918
		64	1	0.249	0.425	58.73	0.5873	2.3114
			2	0.230	0.342	67.28	0.6728	1.7211
		100	1	0.256	0.454	56.39	0.5639	2.488
			2	0.240	0.417	57.55	0.5755	2.3995
		140	1	0.251	0.452	55.40	0.5540	2.5649
			2	0.261	0.384	67.97	0.6797	1.6768
IEEE 802.11n_20		36	1	0.238	0.416	57.21	0.5721	2.4253
			2	0.238	0.336	70.83	0.7083	1.4978
		64	1	0.230	0.459	50.15	0.5015	2.9973
			2	0.231	0.378	60.92	0.6092	2.1524
		100	1	0.236	0.452	52.21	0.5221	2.8225
			2	0.236	0.398	59.30	0.5930	2.2695
		140	1	0.236	0.442	53.39	0.5339	2.7254
			2	0.238	0.362	65.75	0.6575	1.821
IEEE 802.11n_40		38	1	0.136	0.308	44.16	0.4416	3.5497
			2	0.135	0.252	53.44	0.5344	2.7213
		62	1	0.130	0.251	51.73	0.5173	2.8626
			2	0.130	0.278	46.74	0.4674	3.3031
		102	1	0.136	0.326	41.72	0.4172	3.7966
			2	0.138	0.326	42.33	0.4233	3.7335
		134	1	0.133	0.351	38.02	0.3802	4.1999
			2	0.138	0.326	42.33	0.4233	3.7335
IEEE 802.11ac_20	MCS 0	36	1	0.208	0.348	59.77	0.5977	2.2352
			2	0.210	0.430	48.84	0.4884	3.1122
		64	1	0.202	0.410	49.24	0.4924	3.0768
			2	0.202	0.392	51.56	0.5156	2.8769
		100	1	0.208	0.420	49.52	0.4952	3.0522
			2	0.208	0.322	64.60	0.6460	1.8977
		140	1	0.208	0.438	47.49	0.4749	3.234
			2	0.210	0.386	54.40	0.5440	2.644
IEEE 802.11ac_40		38	1	0.122	0.352	34.66	0.3466	4.6017
			2	0.120	0.242	49.59	0.4959	3.0461
		62	1	0.114	0.250	45.54	0.4554	3.4161
			2	0.114	0.358	31.84	0.3184	4.9703
		102	1	0.117	0.332	35.34	0.3534	4.5173
			2	0.119	0.251	47.34	0.4734	3.2477
		134	1	0.120	0.296	40.54	0.4054	3.9212
			2	0.119	0.269	44.06	0.4406	3.5596

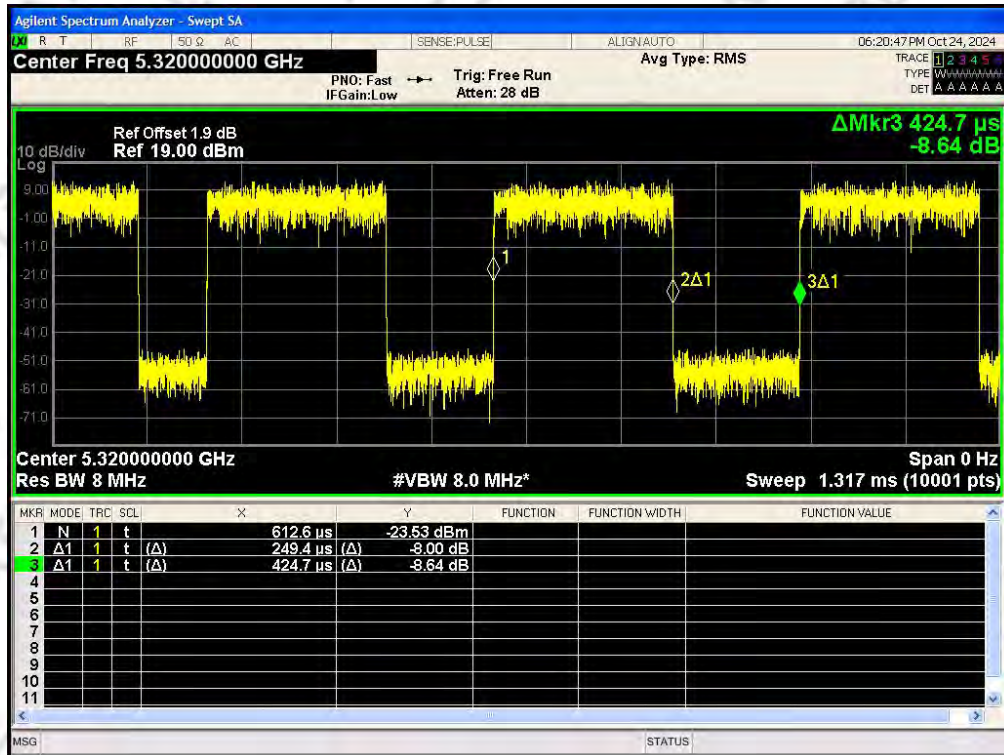
IEEE 802.11ac_80		42	1	0.077	0.193	40.00	0.4000	3.9794
			2	0.079	0.257	30.57	0.3057	5.147
		58	1	0.074	0.246	29.91	0.2991	5.2418
			2	0.074	0.201	36.85	0.3685	4.3356
		106	1	0.079	0.212	37.11	0.3711	4.3051
			2	0.077	0.247	31.35	0.3135	5.0376
		122	1	0.079	0.211	37.34	0.3734	4.2783
			2	0.079	0.203	38.82	0.3882	4.1094
IEEE 802.11a	6	149	1	0.079	0.256	30.73	0.3073	5.1244
			2	0.258	0.399	64.66	0.6466	1.8936
		157	1	0.236	0.352	67.05	0.6705	1.736
			2	0.261	0.429	60.84	0.6084	2.1581
		165	1	0.238	0.408	58.33	0.5833	2.3411
			2	0.256	0.400	64.00	0.6400	1.9382
IEEE 802.11n_20		149	1	0.236	0.352	67.05	0.6705	1.736
			2	0.238	0.452	52.65	0.5265	2.786
		157	1	0.238	0.380	62.63	0.6263	2.0322
			2	0.238	0.462	51.52	0.5152	2.8802
		165	1	0.236	0.362	65.19	0.6519	1.8582
			2	0.236	0.334	70.66	0.7066	1.5083
IEEE 802.11n_40		151	1	0.138	0.244	56.56	0.5656	2.4749
			2	0.136	0.280	48.57	0.4857	3.1363
		159	1	0.135	0.297	45.29	0.4529	3.44
			2	0.135	0.297	45.29	0.4529	3.44
IEEE 802.11ac_20	MCS 0	149	1	0.210	0.394	53.30	0.5330	2.7327
			2	0.208	0.340	61.18	0.6118	2.1339
		157	1	0.210	0.384	54.69	0.5469	2.6209
			2	0.208	0.348	59.77	0.5977	2.2352
		165	1	0.210	0.440	47.73	0.4773	3.2121
			2	0.210	0.332	63.25	0.6325	1.9894
IEEE 802.11ac_40		151	1	0.119	0.368	32.25	0.3225	4.9147
			2	0.120	0.306	39.22	0.3922	4.0649
		159	1	0.119	0.241	49.17	0.4917	3.083
			2	0.120	0.288	41.67	0.4167	3.8018
IEEE 802.11ac_80		155	1	0.077	0.211	36.71	0.3671	4.3522
			2	0.079	0.229	34.30	0.3430	4.6471



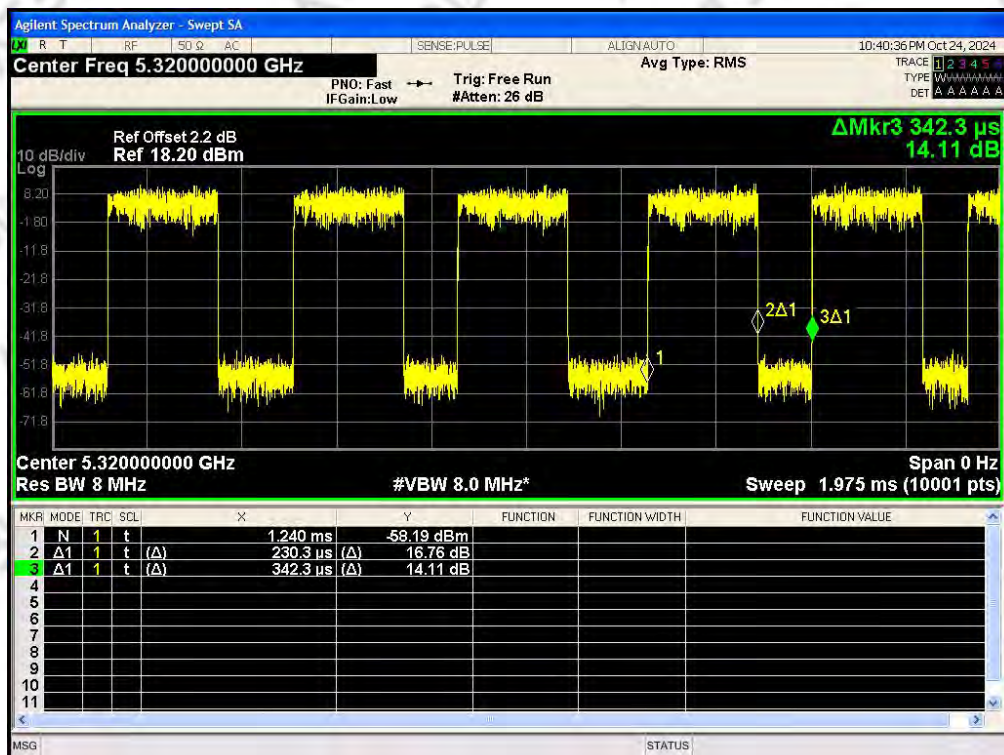
IEEE 802.11a_20MHz_Channel 36



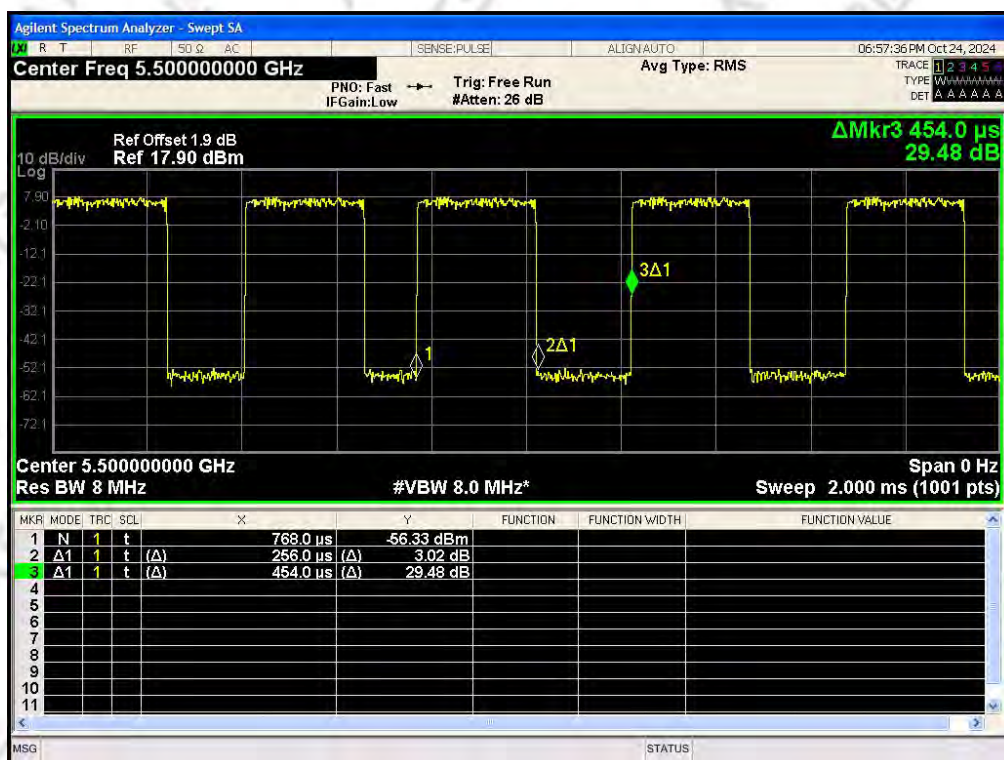
IEEE 802.11a_20MHz_Channel 36



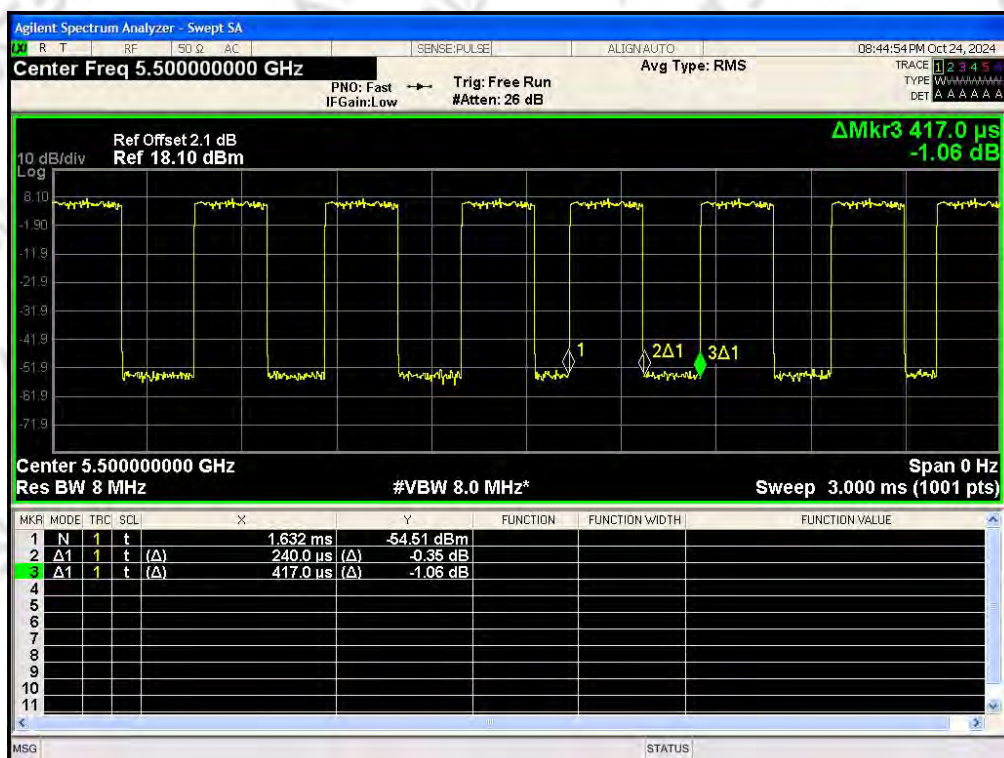
IEEE 802.11a_20MHz_Channel 64



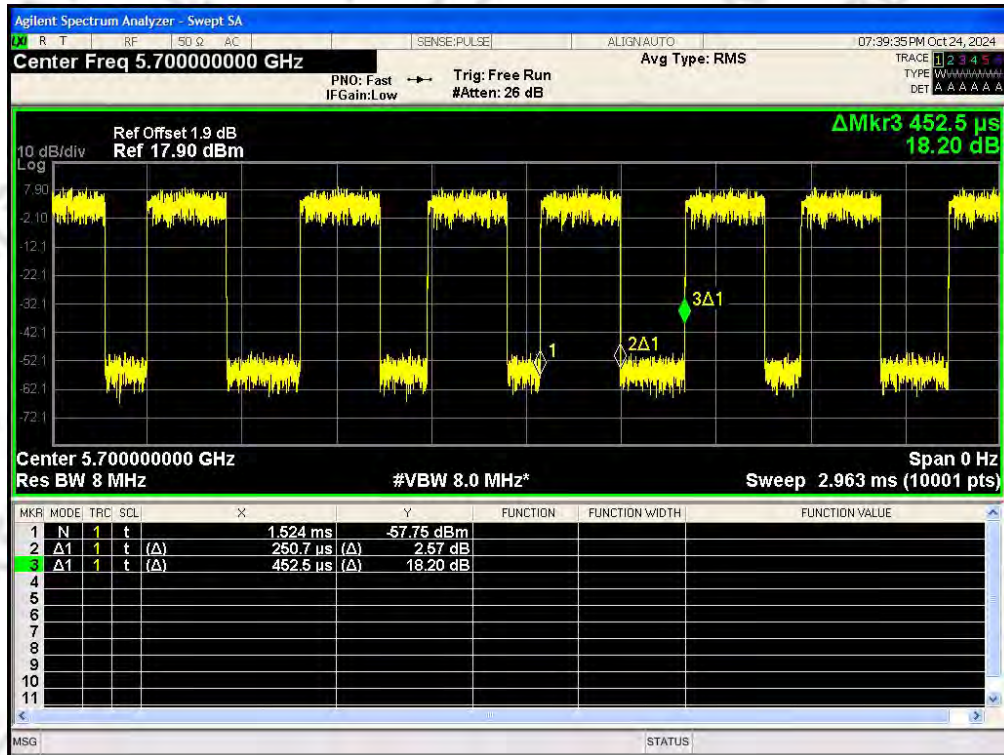
IEEE 802.11a_20MHz_Channel 64



IEEE 802.11a_20MHz_Channel 100



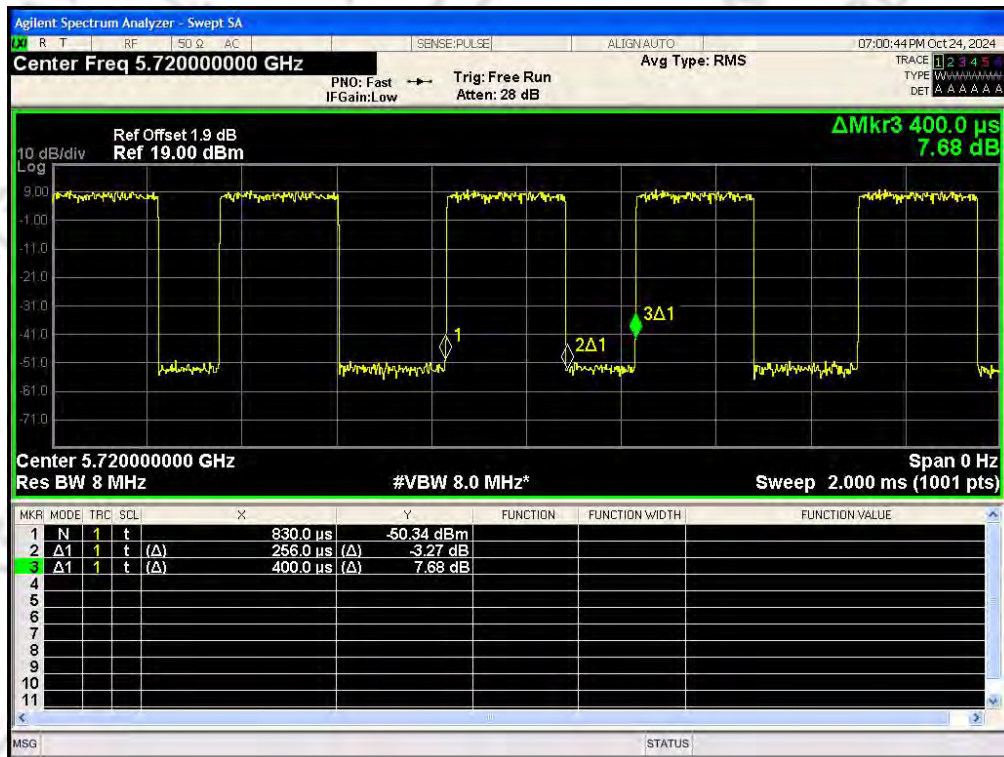
IEEE 802.11a 20MHz Channel 100



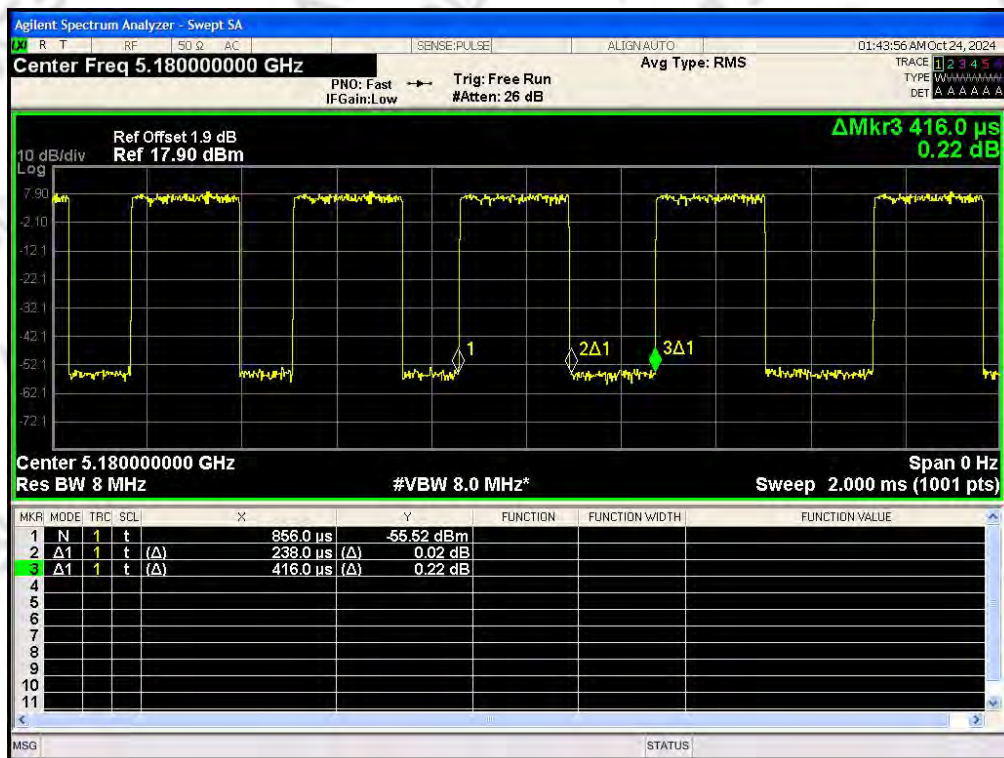
IEEE 802.11a_20MHz_Channel 140



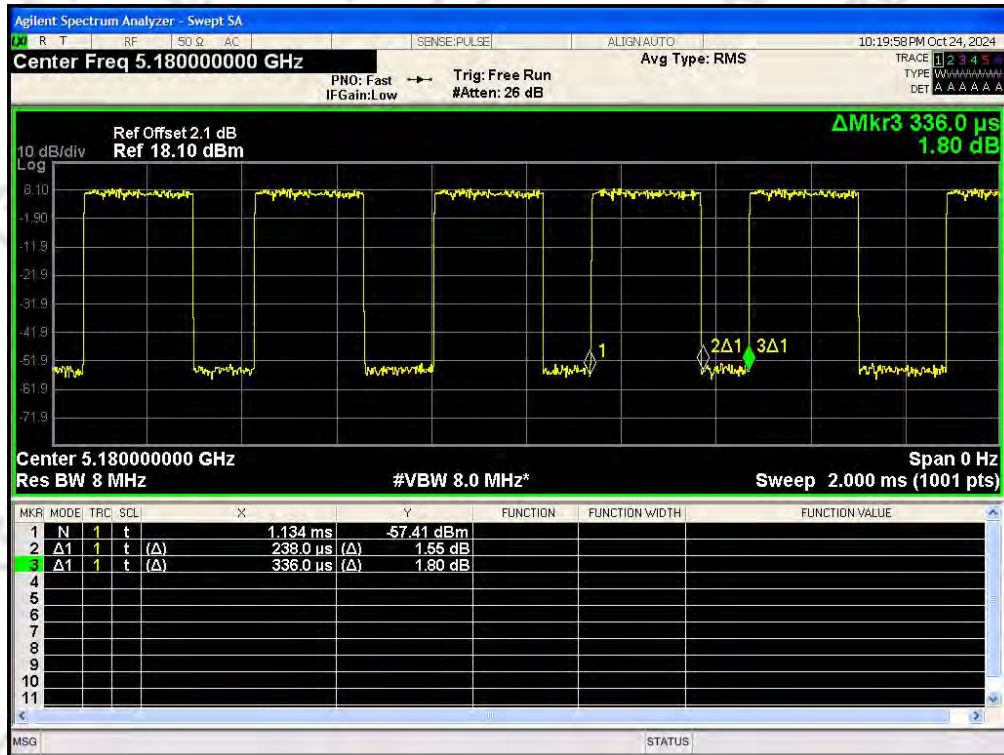
IEEE 802.11a_20MHz_Channel 140



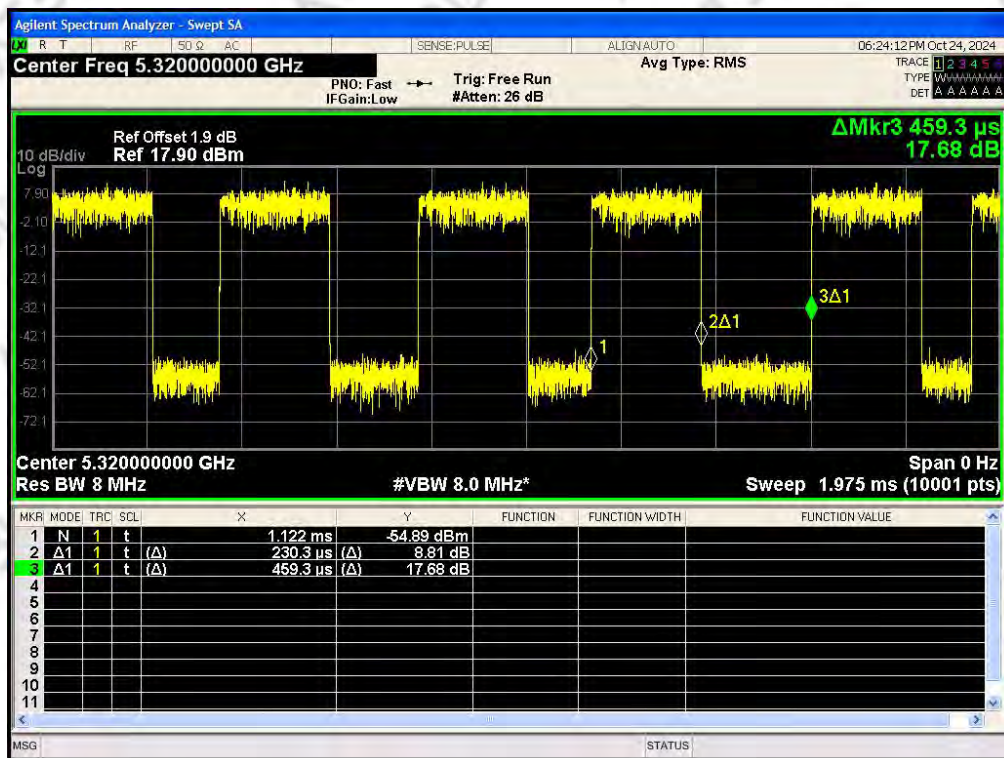
IEEE 802.11a_20MHz_Channel 144



IEEE 802.11n_20MHz_Channel 36



IEEE 802.11n_20MHz_Channel 36



IEEE 802.11n_20MHz_Channel 64