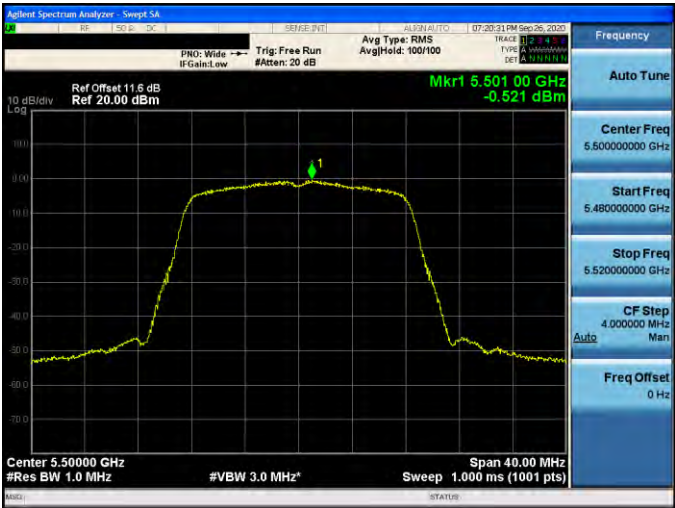
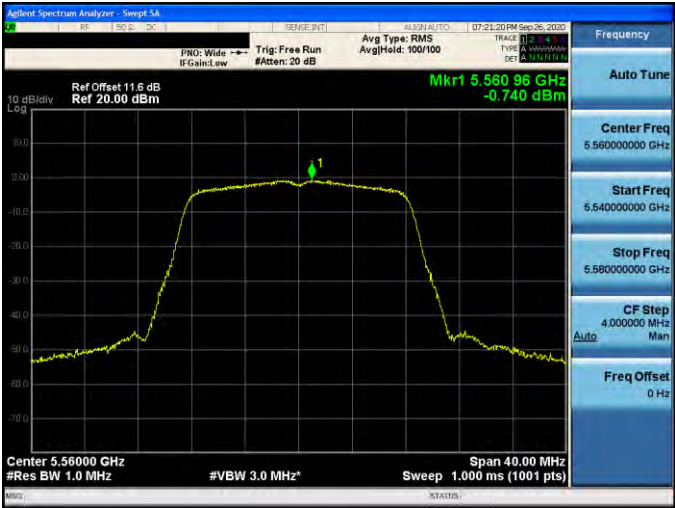
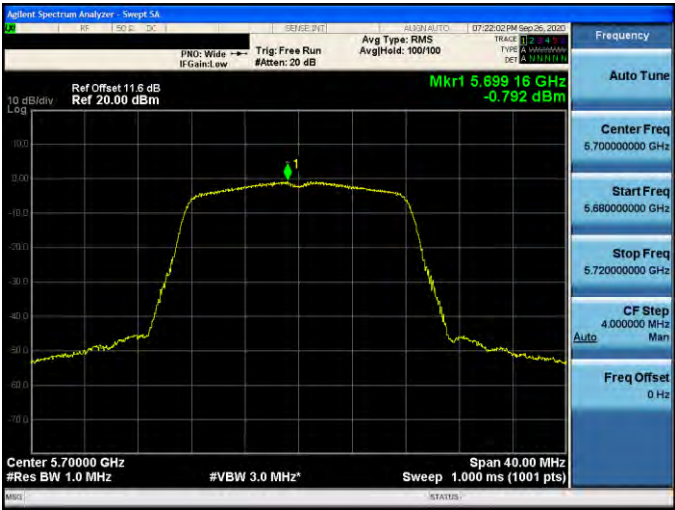
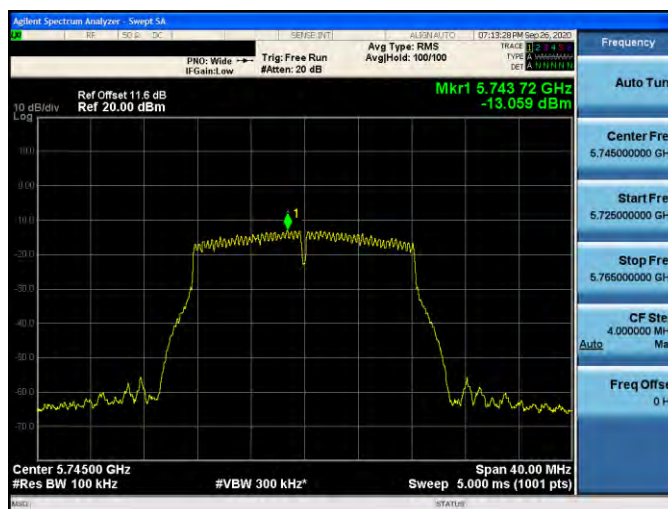


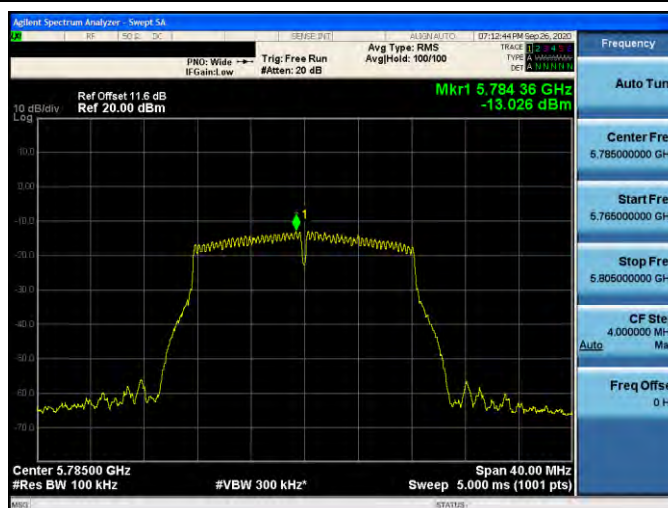
Mode 6: IEEE 802.11a Continuous TX Mode_ANT-1	
CH100	
CH112	
CH140	

Mode 6: IEEE 802.11a Continuous TX Mode_ANT-1

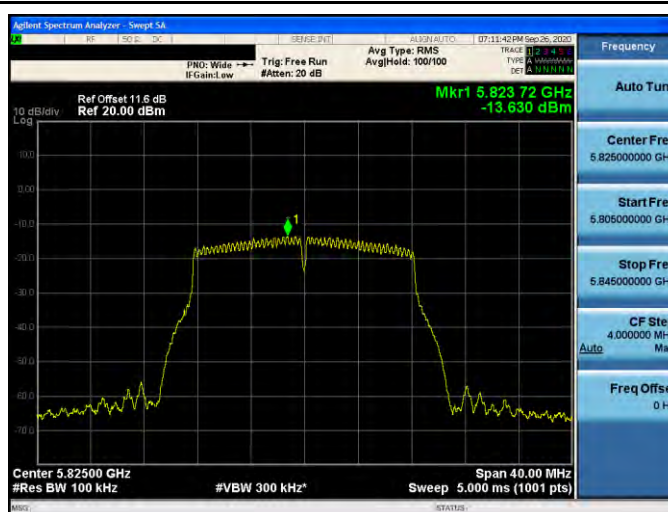
CH149



CH157

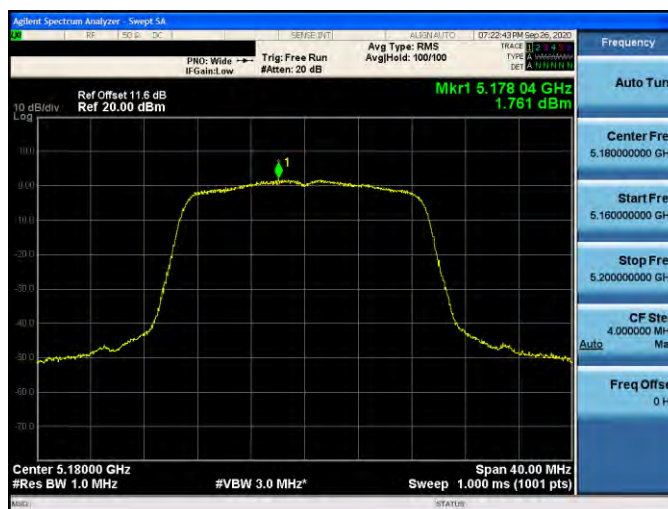


CH165

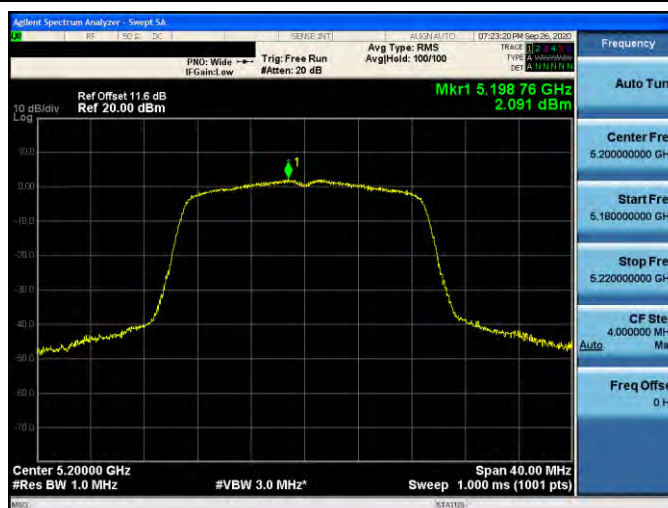


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

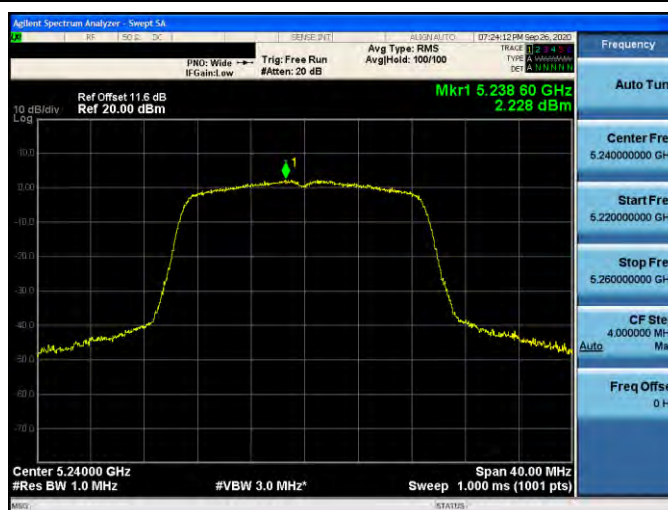
CH36



CH40

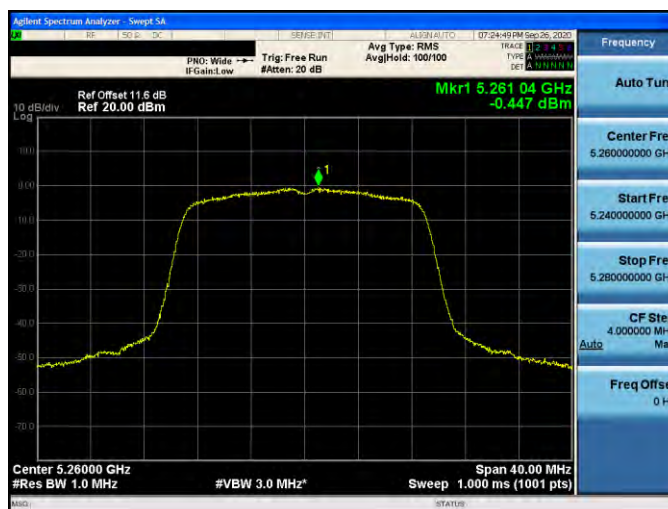


CH48

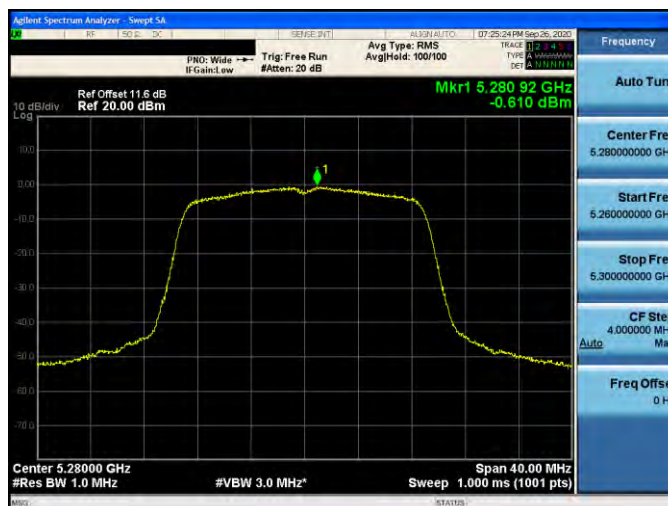


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

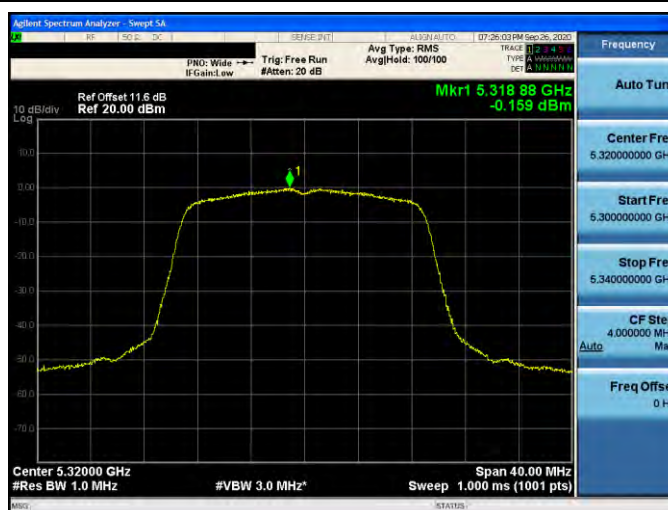
CH52



CH56

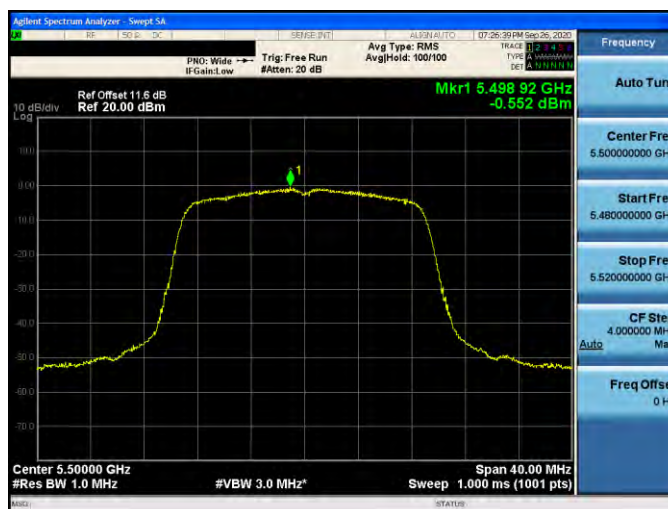


CH64

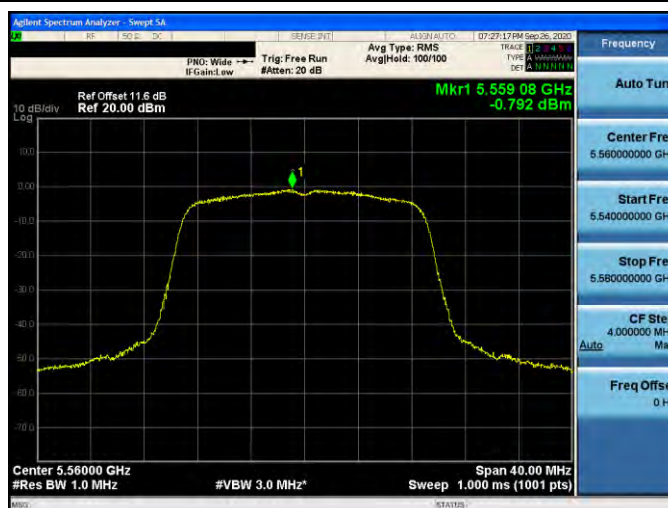


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

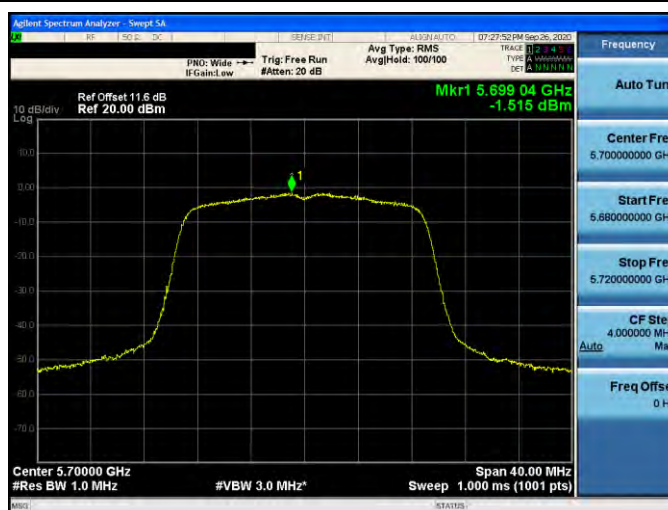
CH100



CH112

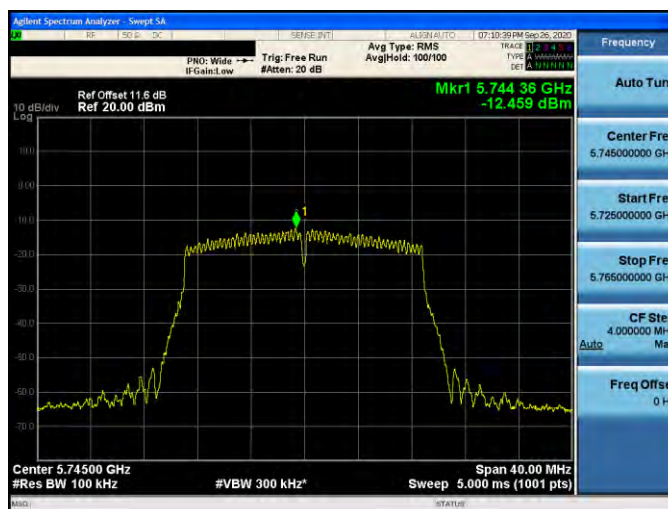


CH140

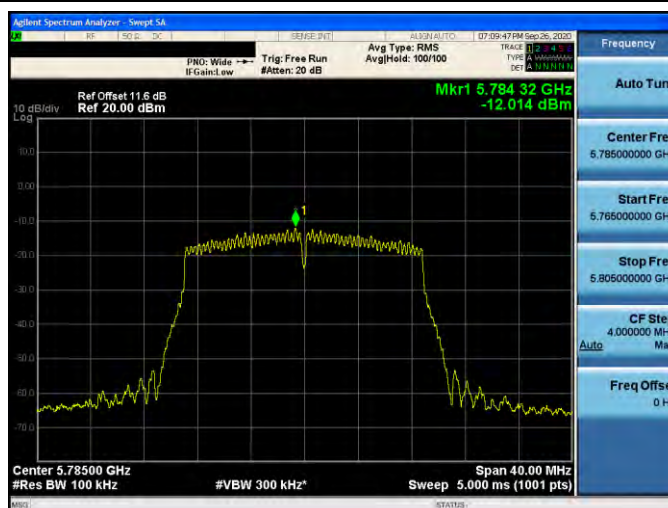


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

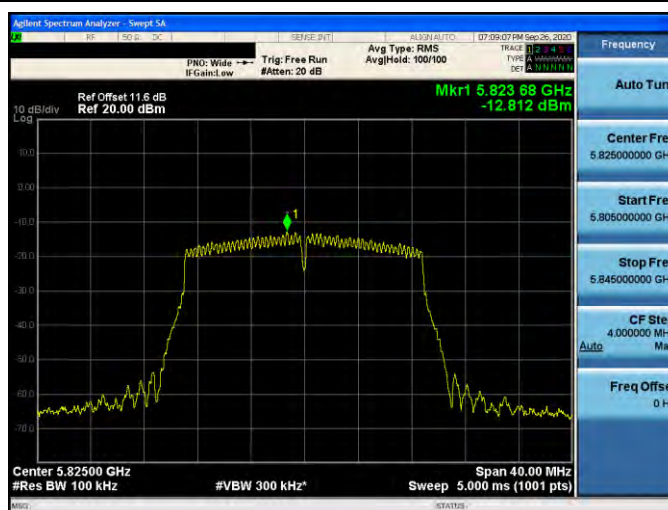
CH149



CH157

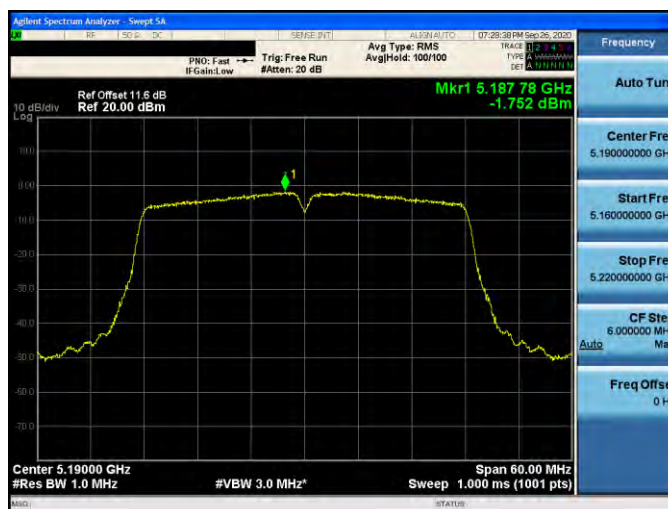


CH165

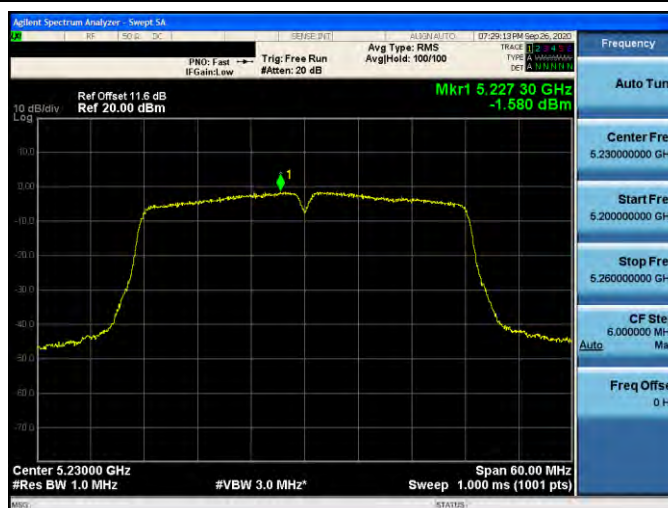


Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1

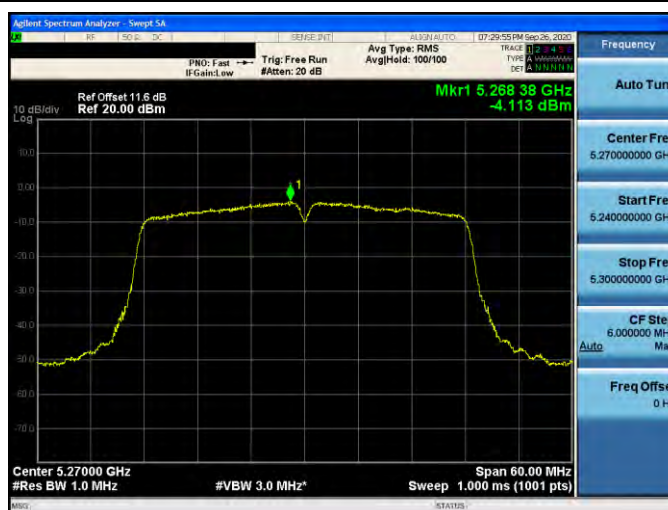
CH38

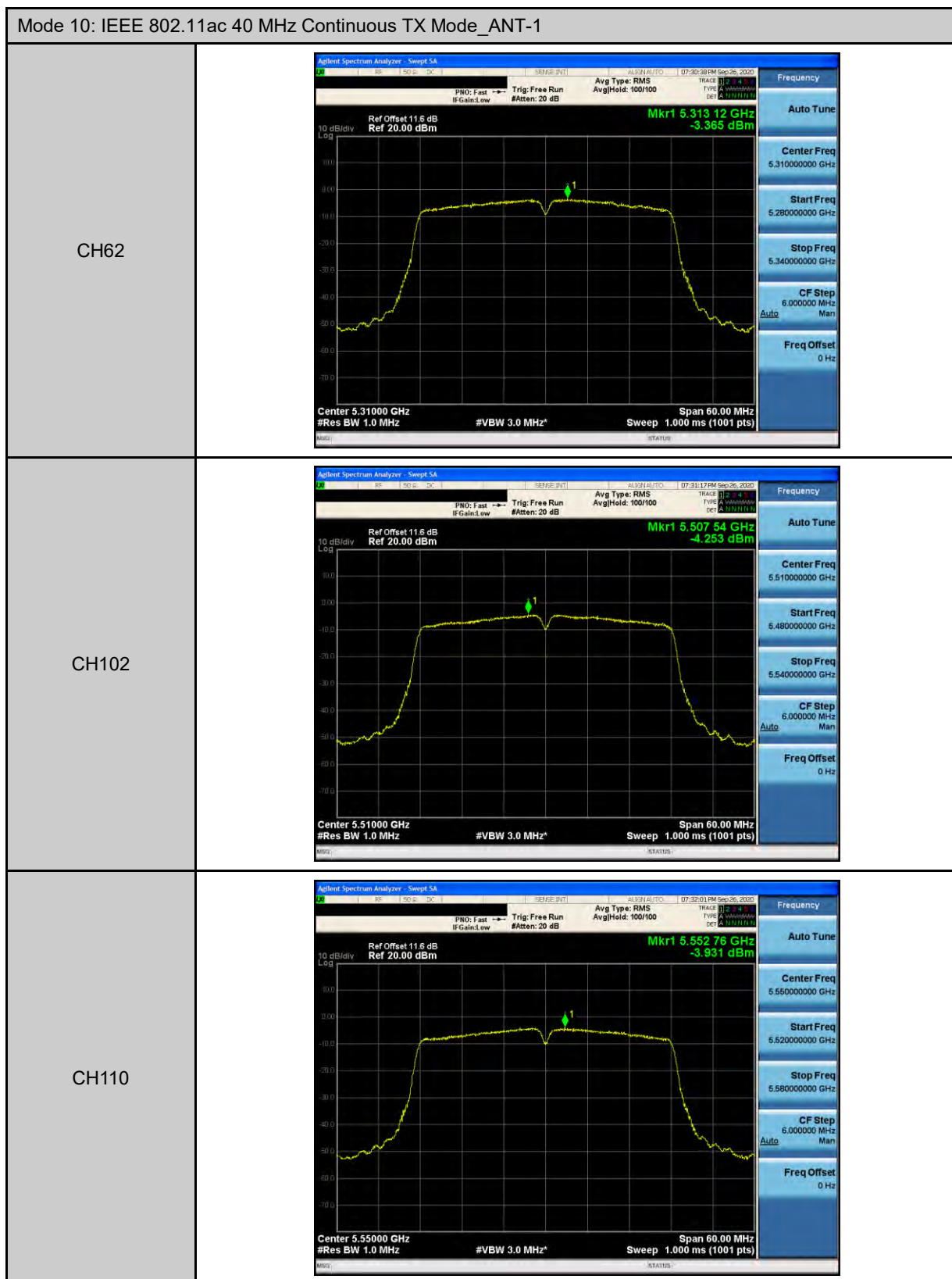


CH46



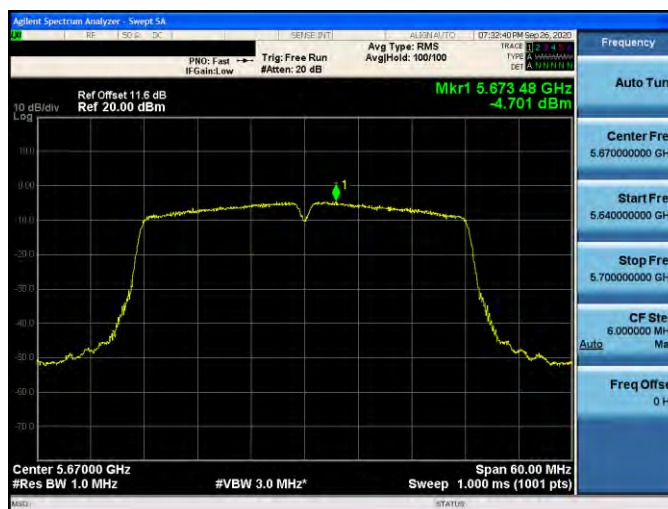
CH54



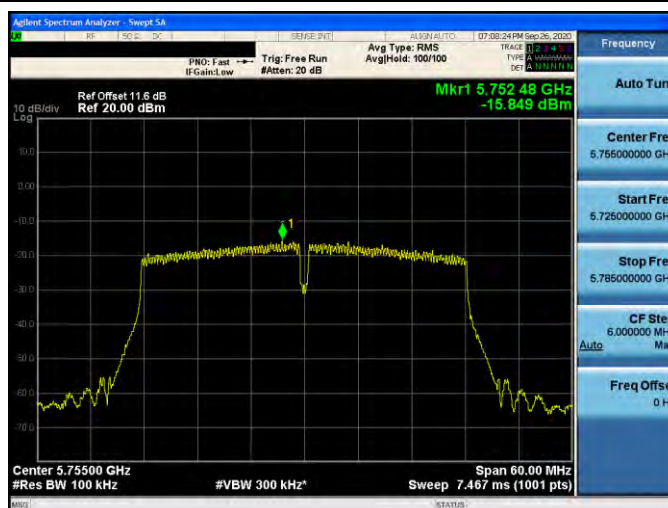


Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1

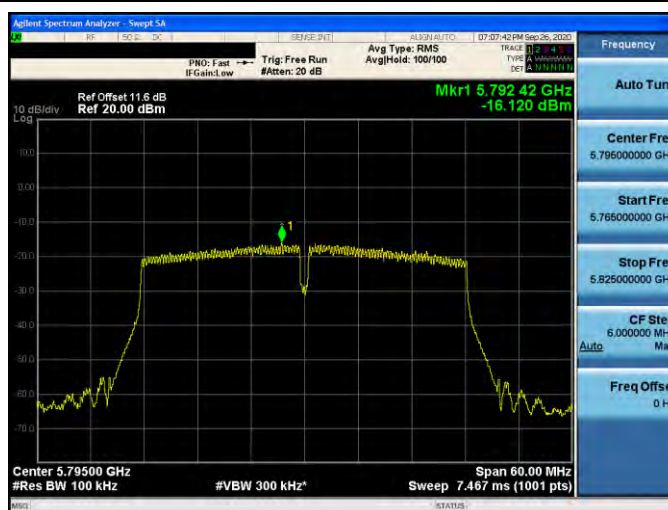
CH134



CH151



CH159



Mode 11: IEEE 802.11ac 80 MHz Continuous TX Mode_ANT-1

CH42

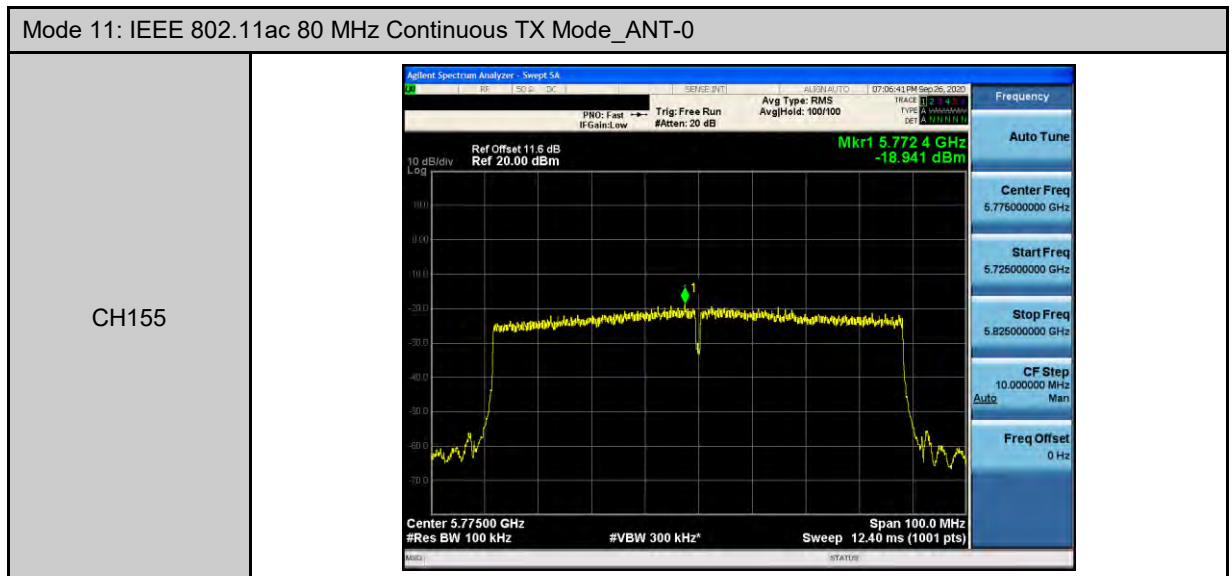


CH58



CH106





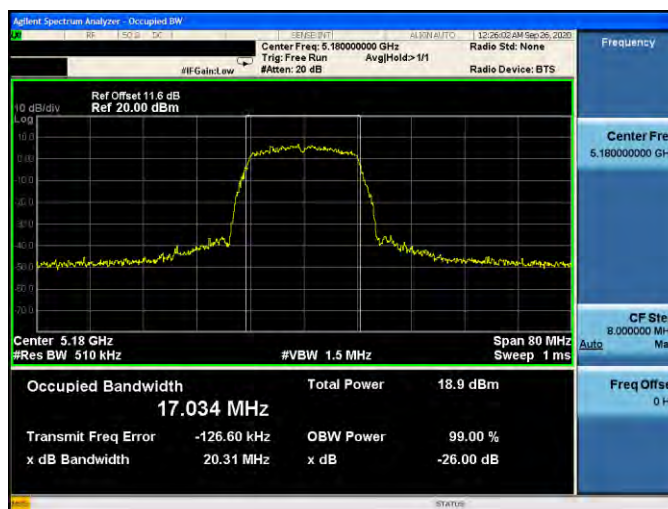
26dB Bandwidth

操作模式	頻道 (CH)	頻率 (MHz)	26 dB 頻寬量測值 (MHz)
			ANT-0
Mode 6	36	5180.0	20.310
	40	5200.0	20.350
	48	5240.0	20.070
	52	5260.0	19.830
	56	5280.0	20.120
	64	5320.0	20.030
	100	5500.0	20.090
	112	5560.0	20.350
	140	5700.0	19.950
Mode 7	52	5260.0	20.690
	56	5280.0	20.740
	64	5320.0	20.530
	100	5500.0	20.510
	112	5560.0	20.580
	140	5700.0	22.120
Mode 8	54	5270.0	41.190
	62	5310.0	41.030
	102	5510.0	41.130
	110	5550.0	41.260
	134	5670.0	41.170
Mode 9	36	5180.0	20.840
	40	5200.0	20.890
	48	5240.0	20.700
	52	5260.0	20.570
	56	5280.0	20.450
	64	5320.0	20.650
	100	5500.0	20.590
	112	5560.0	20.620
	140	5700.0	20.760
Mode 10	38	5190.0	41.140
	46	5230.0	41.410
	54	5270.0	41.060
	62	5310.0	41.160
	102	5510.0	41.120
	110	5550.0	40.820
	134	5670.0	40.980
Mode 11	42	5210.0	81.620
	58	5290.0	81.380
	106	5530.0	81.290

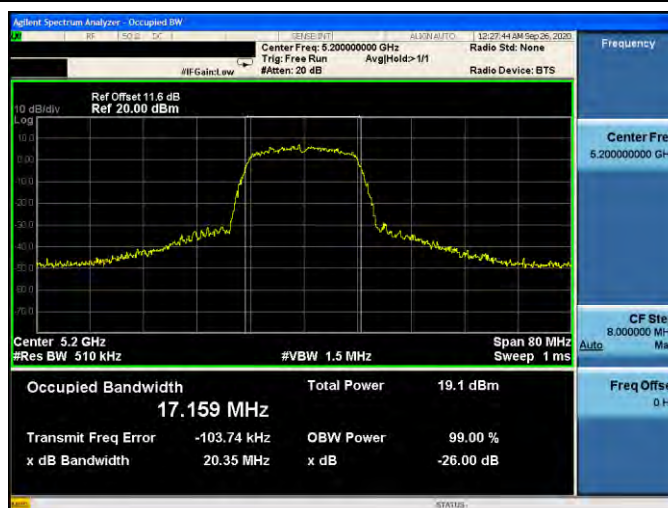
操作模式	頻道 (CH)	頻率 (MHz)	26 dB 頻寬量測值 (MHz)
			ANT-1
Mode 6	36	5180.0	20.170
	40	5200.0	20.060
	48	5240.0	19.920
	52	5260.0	19.890
	56	5280.0	20.060
	64	5320.0	19.550
	100	5500.0	19.930
	112	5560.0	20.000
	140	5700.0	19.930
Mode 7	52	5260.0	20.250
	56	5280.0	20.080
	64	5320.0	20.160
	100	5500.0	20.110
	112	5560.0	20.070
	140	5700.0	20.130
Mode 8	54	5270.0	41.230
	62	5310.0	40.750
	102	5510.0	40.860
	110	5550.0	40.720
	134	5670.0	40.760
Mode 9	36	5180.0	20.310
	40	5200.0	20.080
	48	5240.0	20.140
	52	5260.0	20.080
	56	5280.0	19.840
	64	5320.0	20.070
	100	5500.0	20.050
	112	5560.0	20.140
	140	5700.0	20.080
Mode 10	38	5190.0	40.690
	46	5230.0	40.580
	54	5270.0	40.880
	62	5310.0	40.690
	102	5510.0	40.930
	110	5550.0	41.050
	134	5670.0	40.260
Mode 11	42	5210.0	80.410
	58	5290.0	79.920
	106	5530.0	79.530

Mode 6: IEEE 802.11a Continuous TX Mode_ANT-0

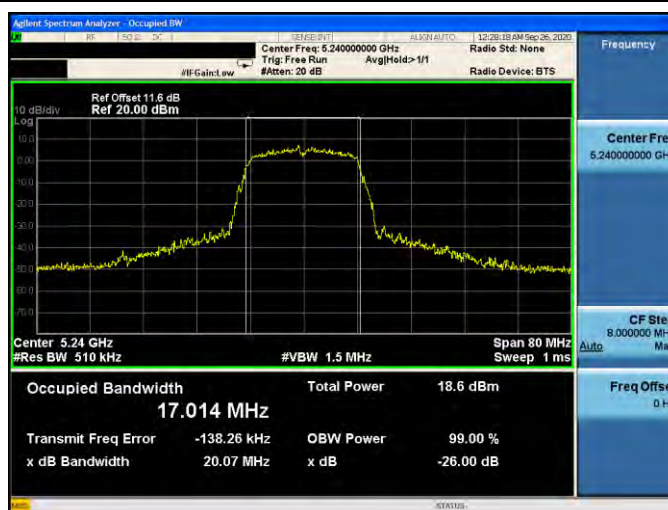
CH36

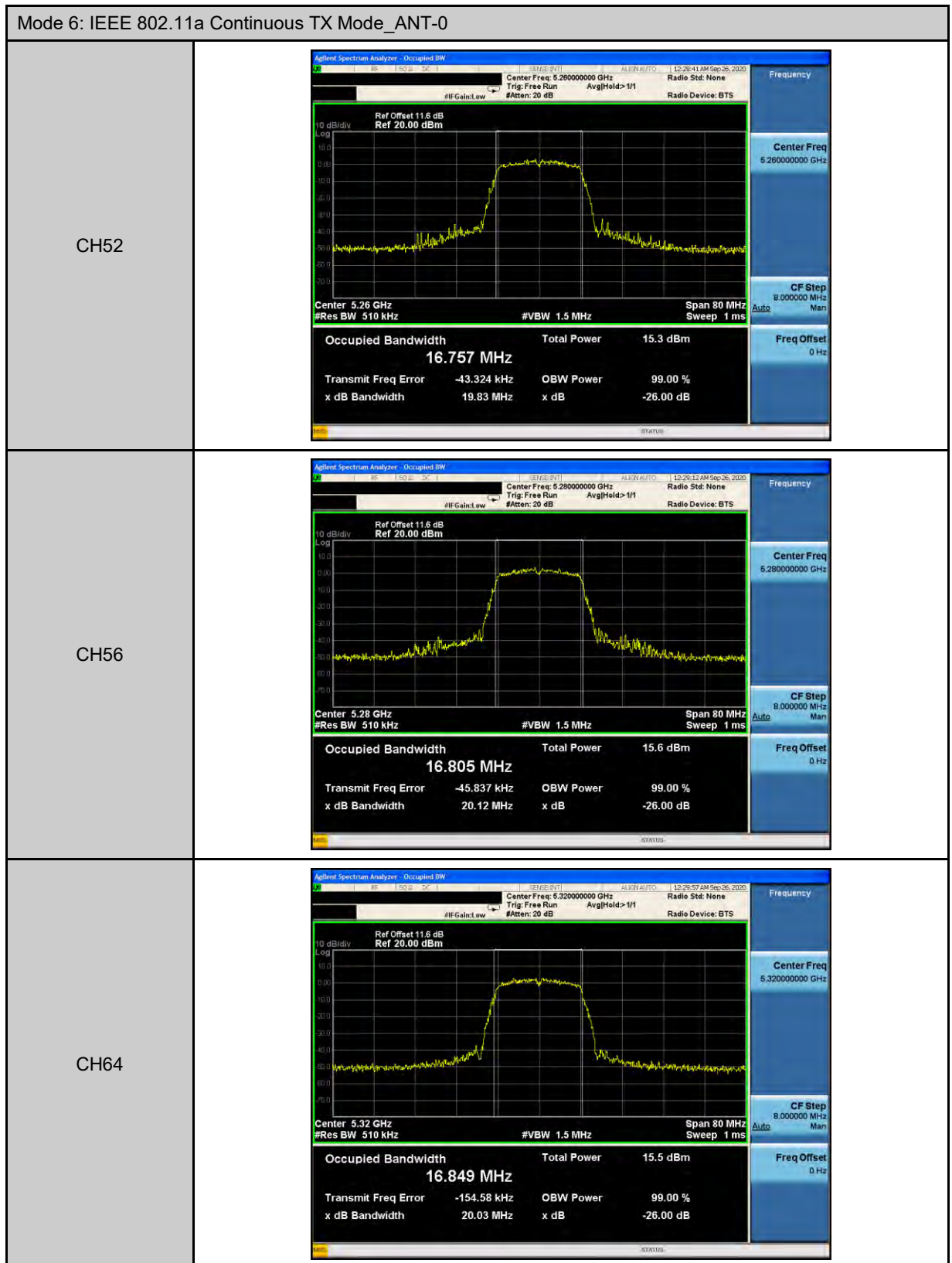


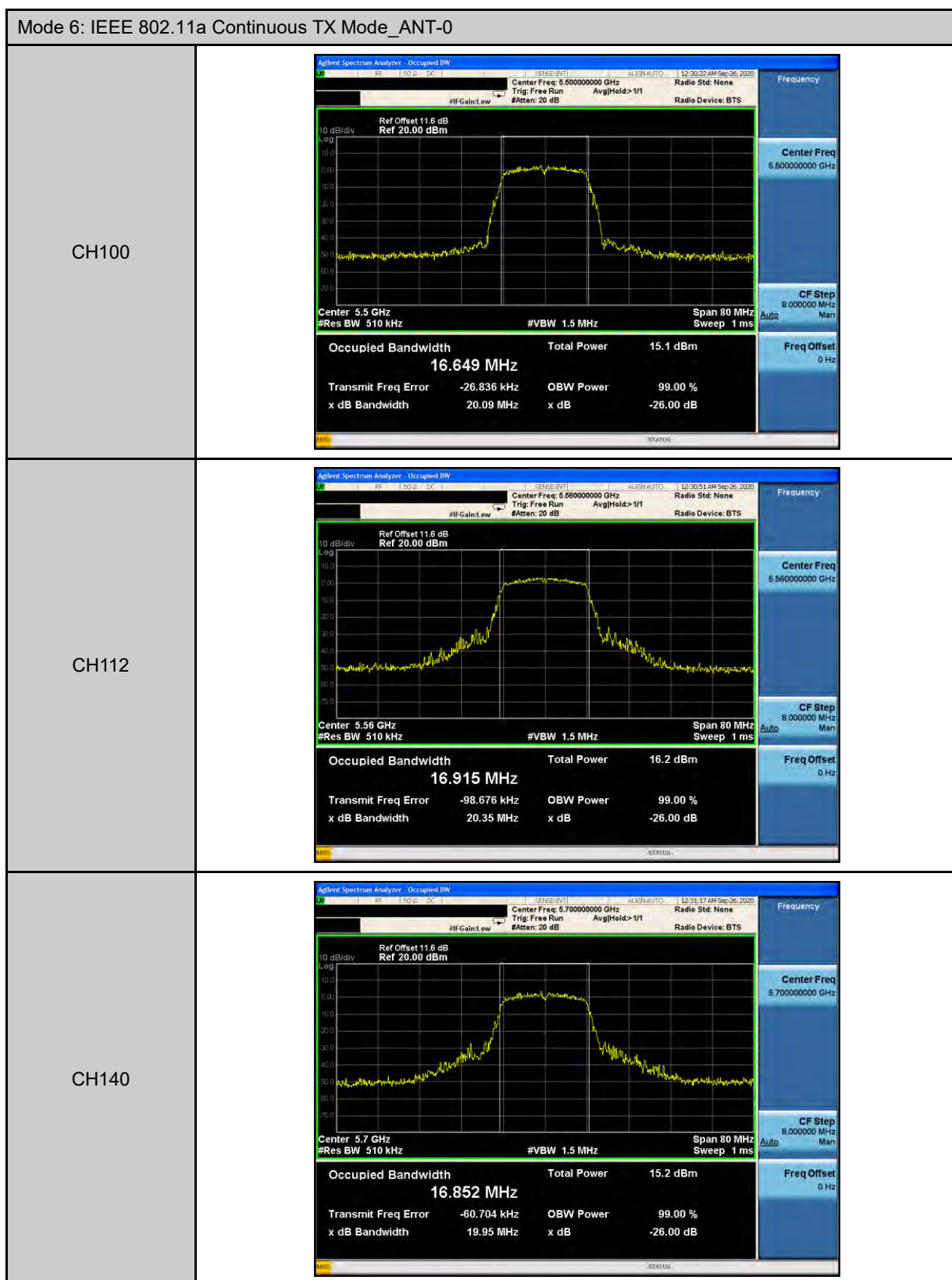
CH40



CH48

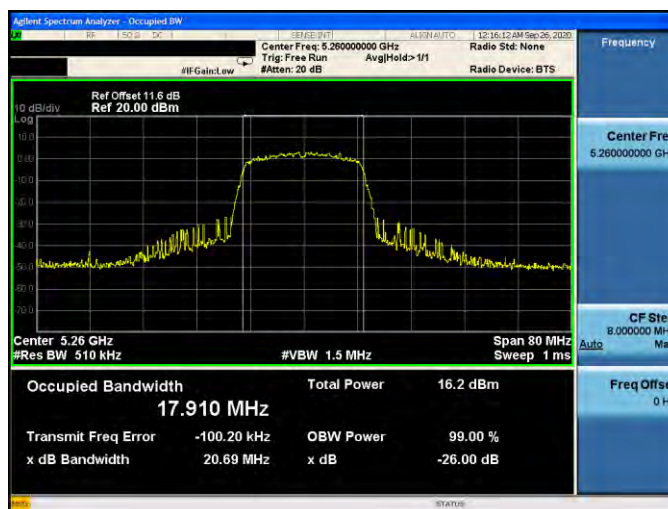




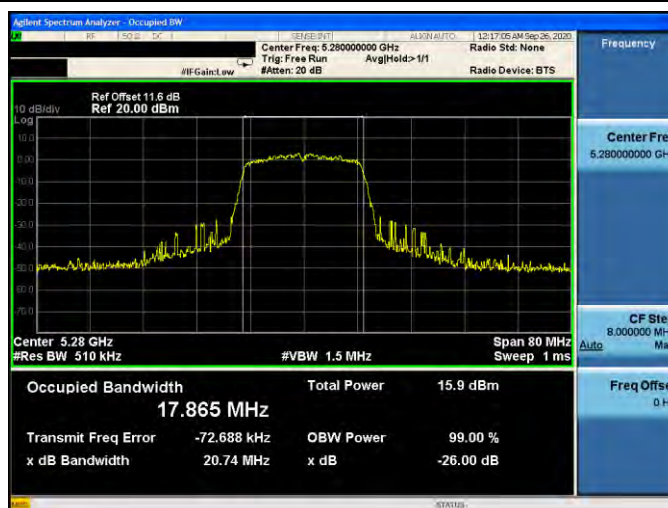


Mode 7: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0

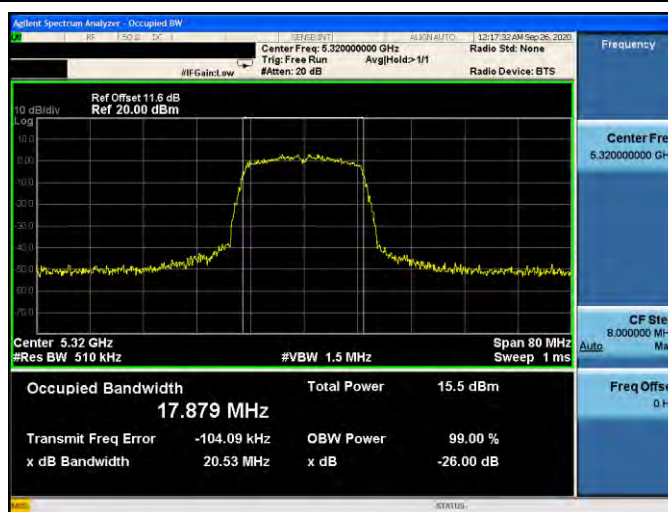
CH52



CH56

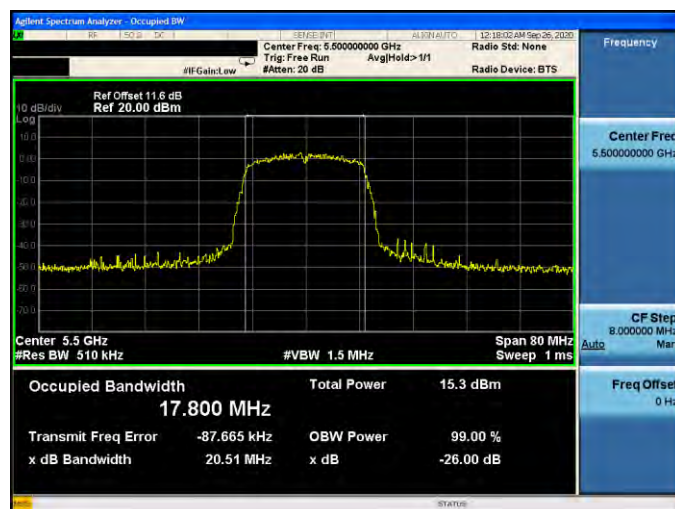


CH64

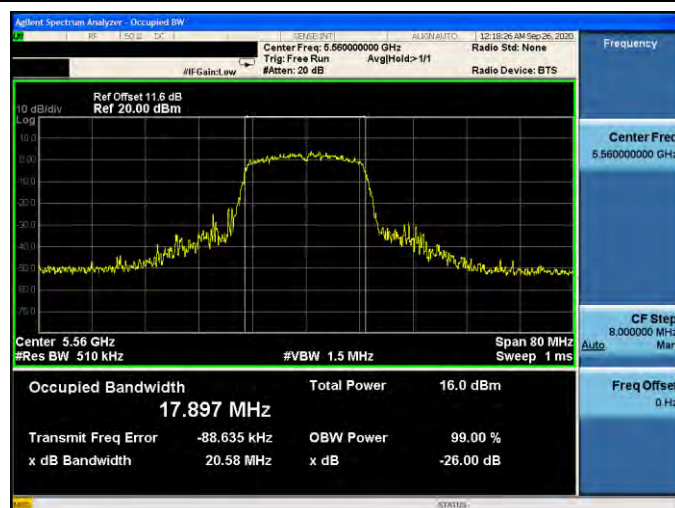


Mode 7: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-0

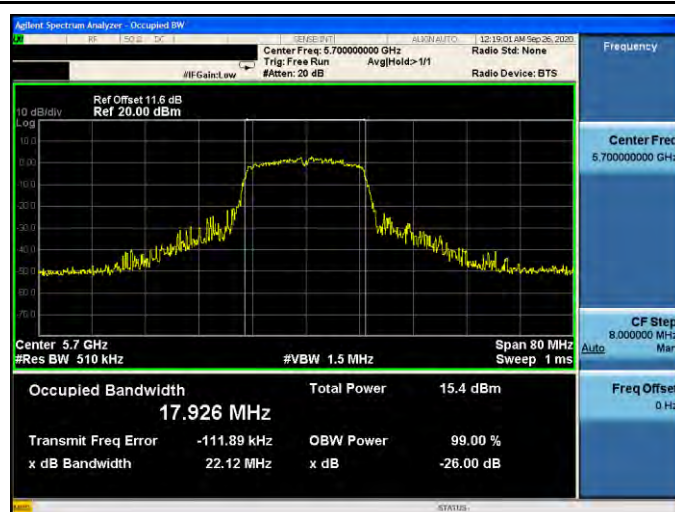
CH100



CH112

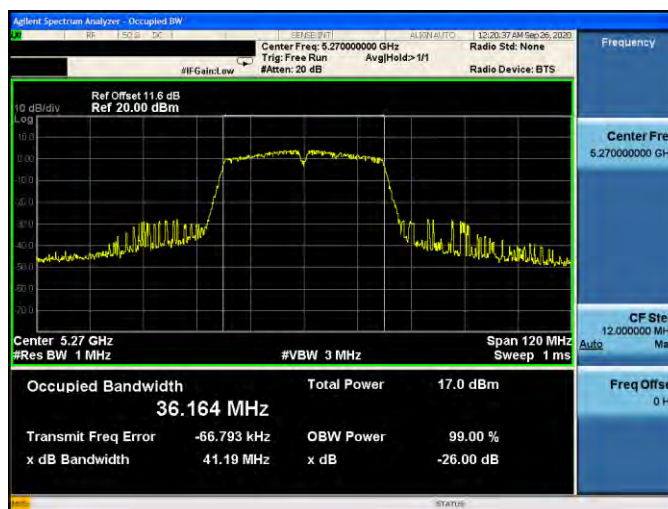


CH140

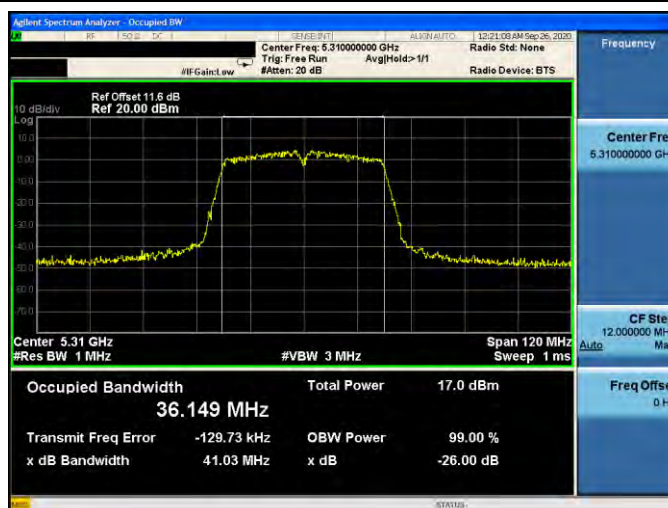


Mode 8: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0

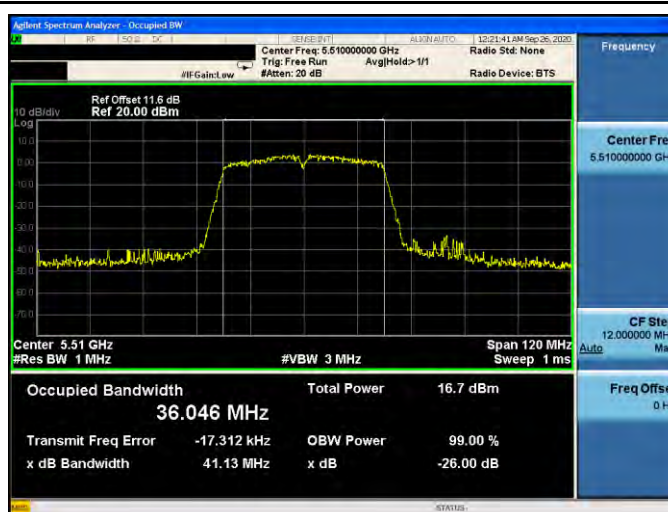
CH54



CH62

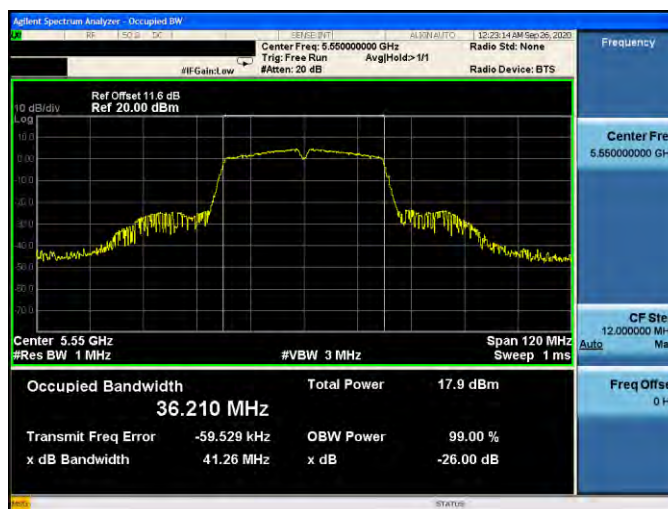


CH102

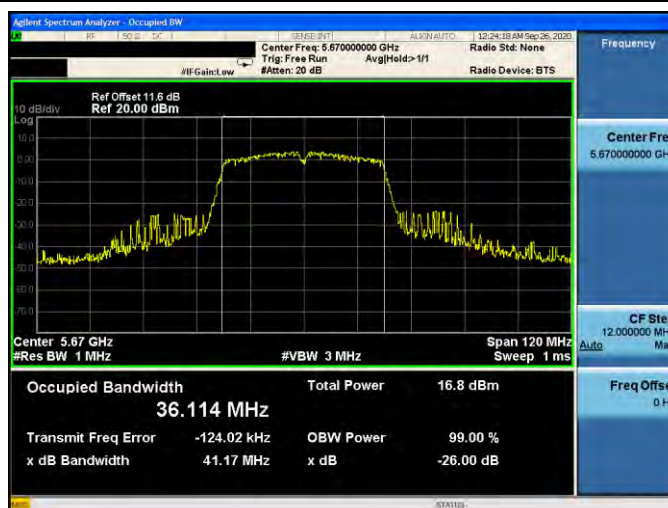


Mode 8: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-0

CH110

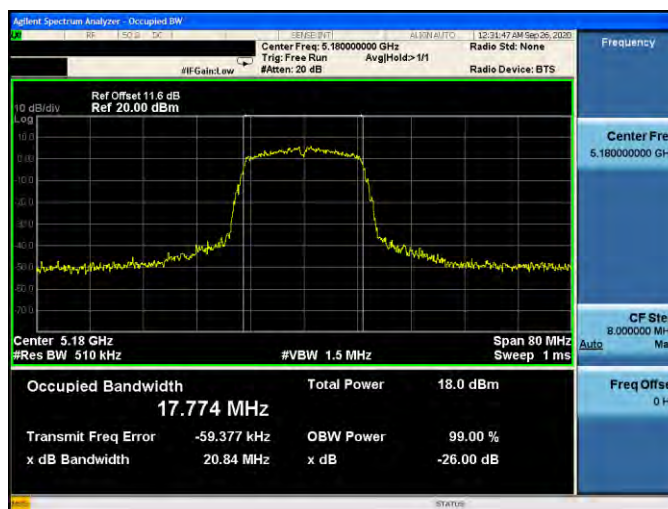


CH134

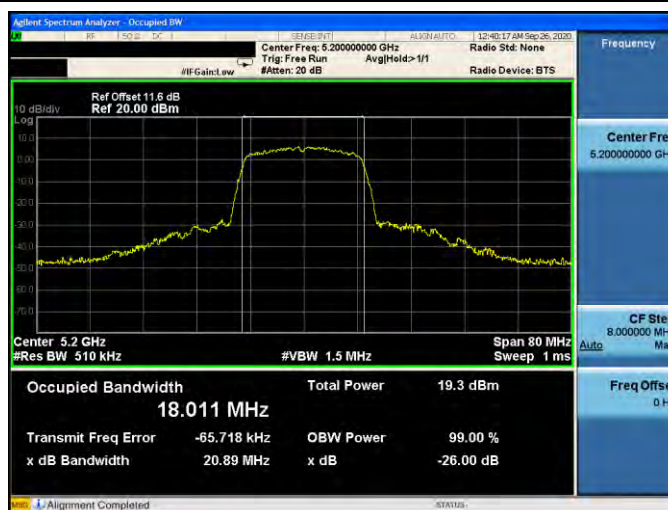


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0

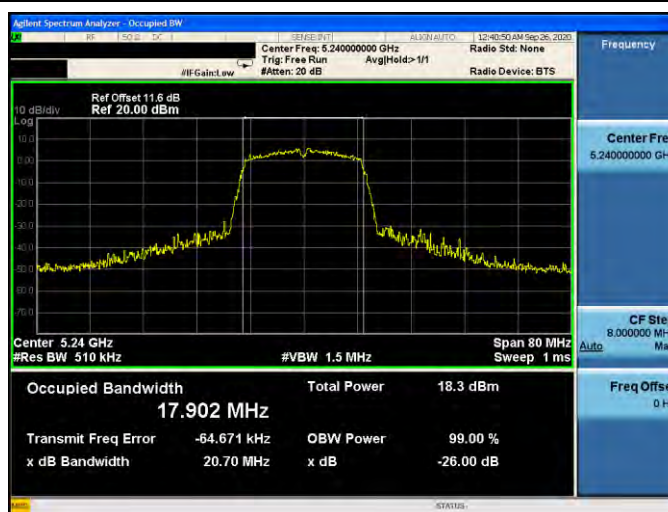
CH36



CH40

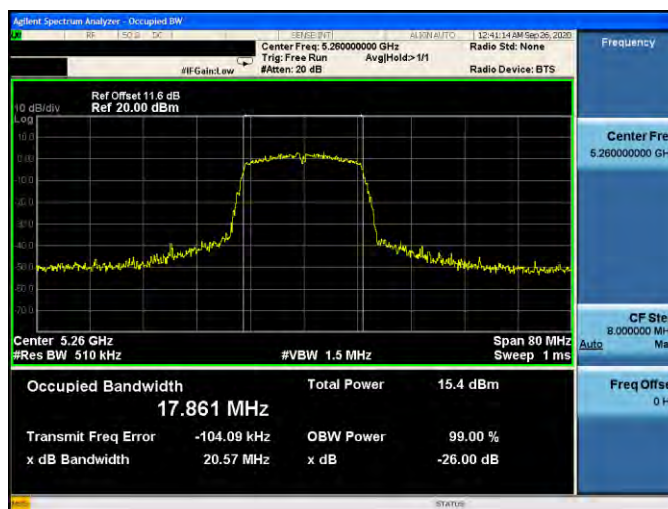


CH48

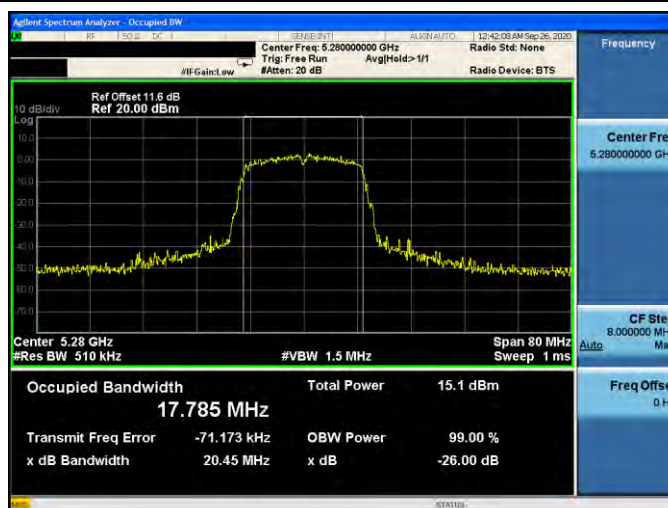


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0

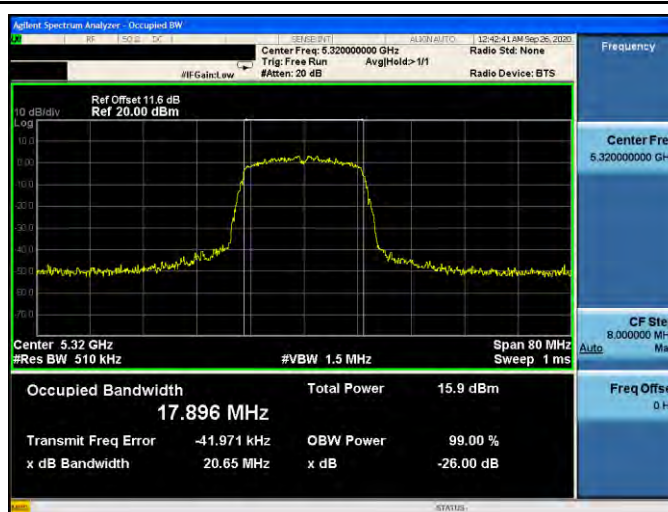
CH52



CH56

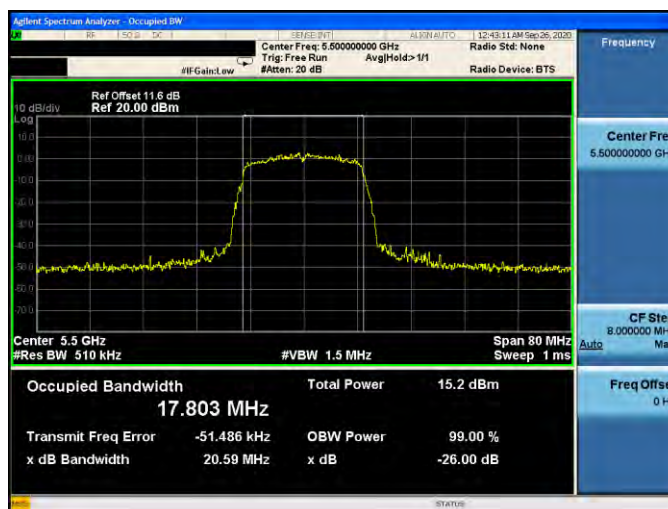


CH64

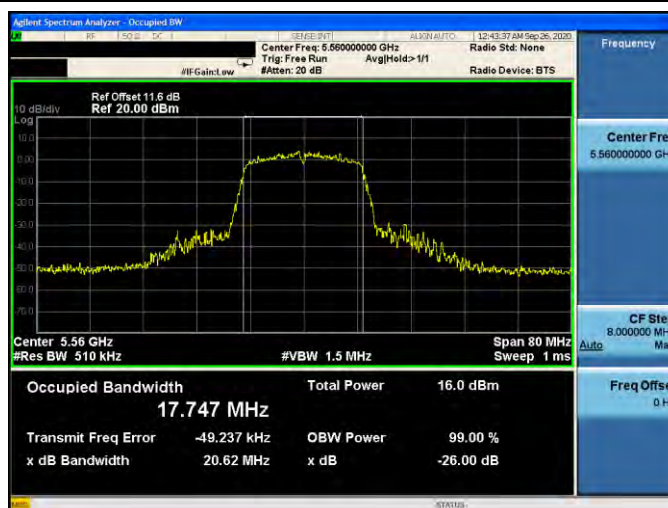


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0

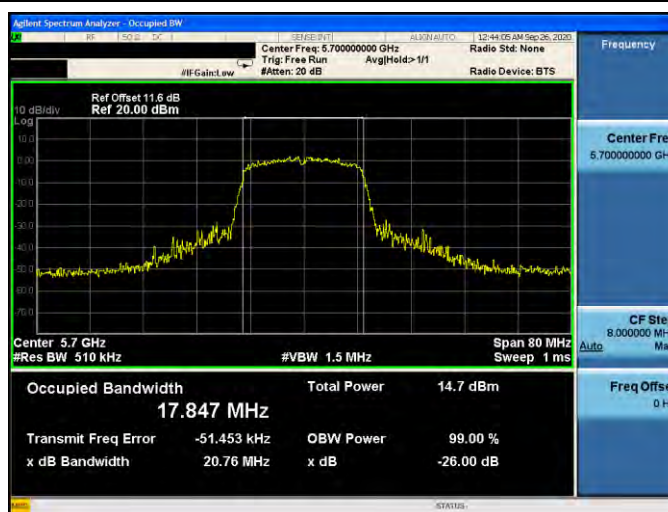
CH100



CH112

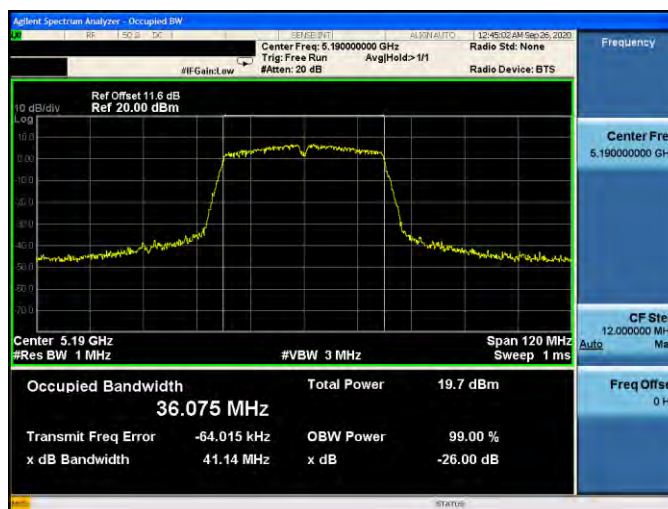


CH140

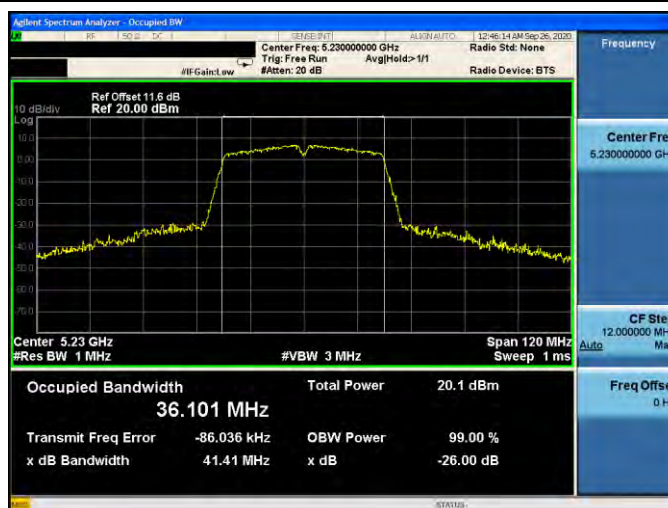


Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0

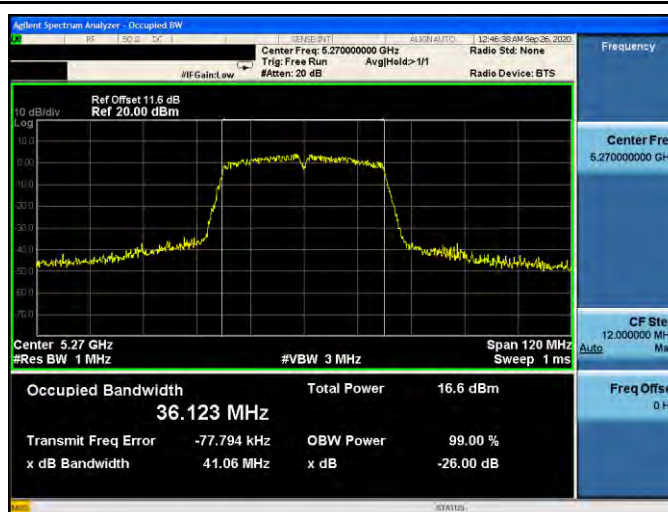
CH38

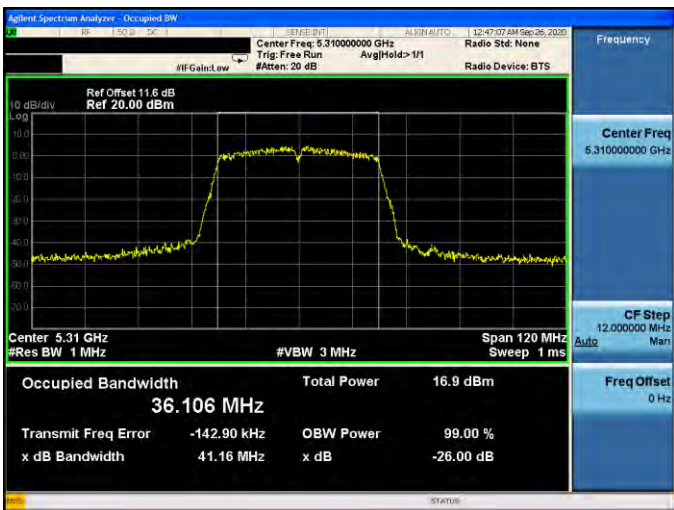
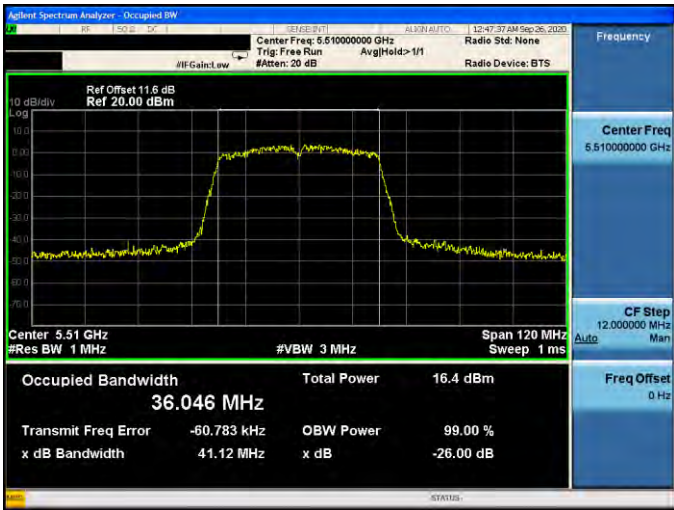
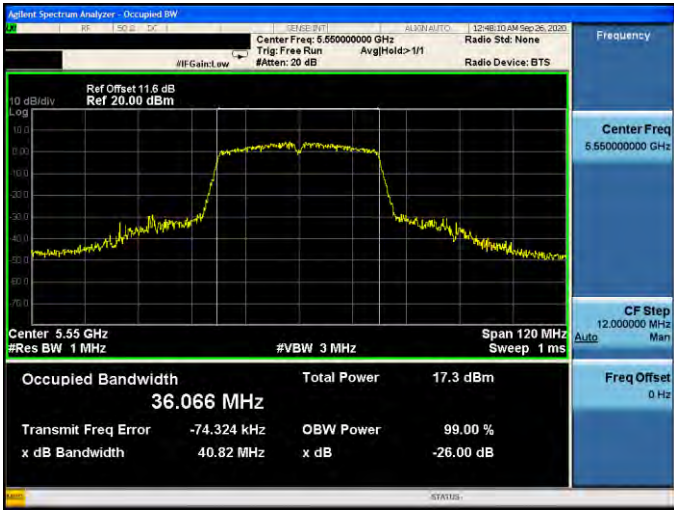


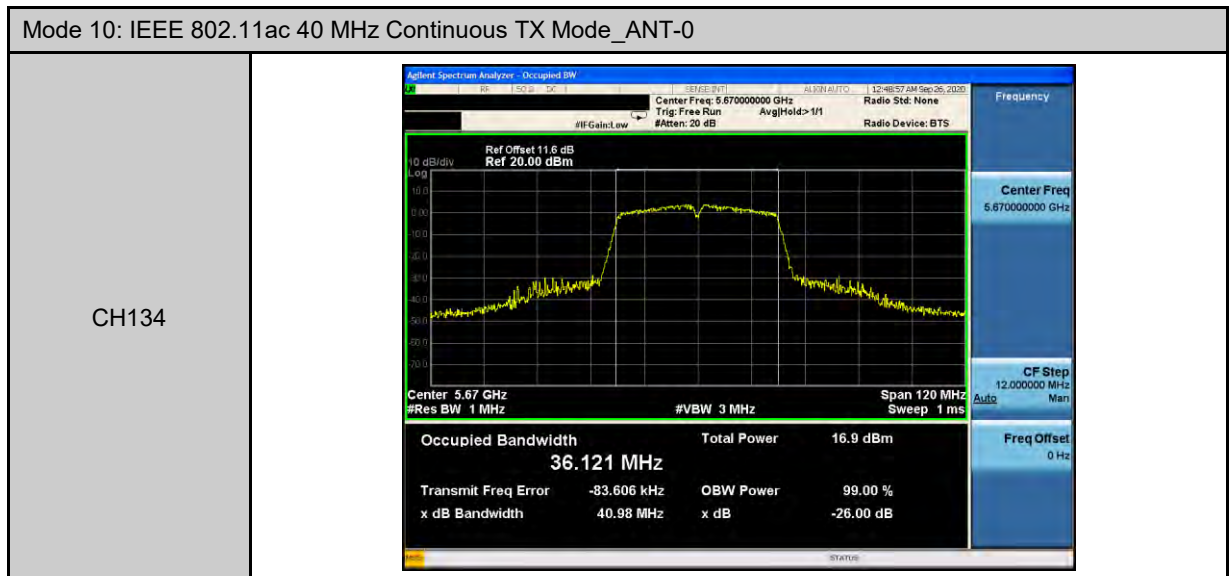
CH46

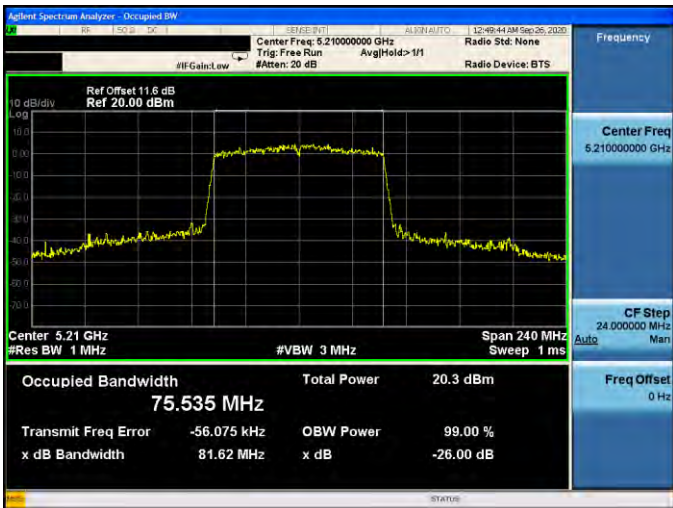


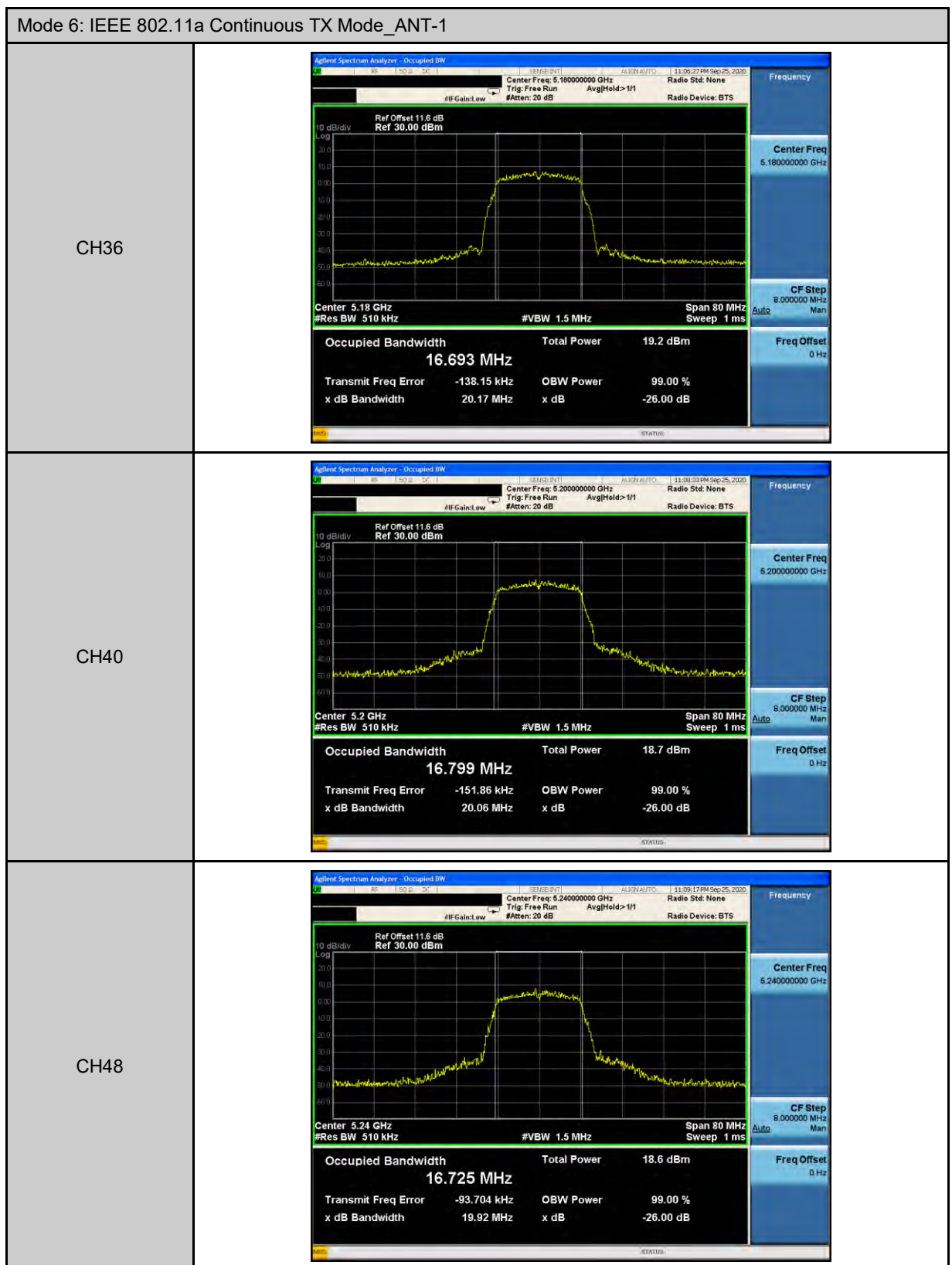
CH54

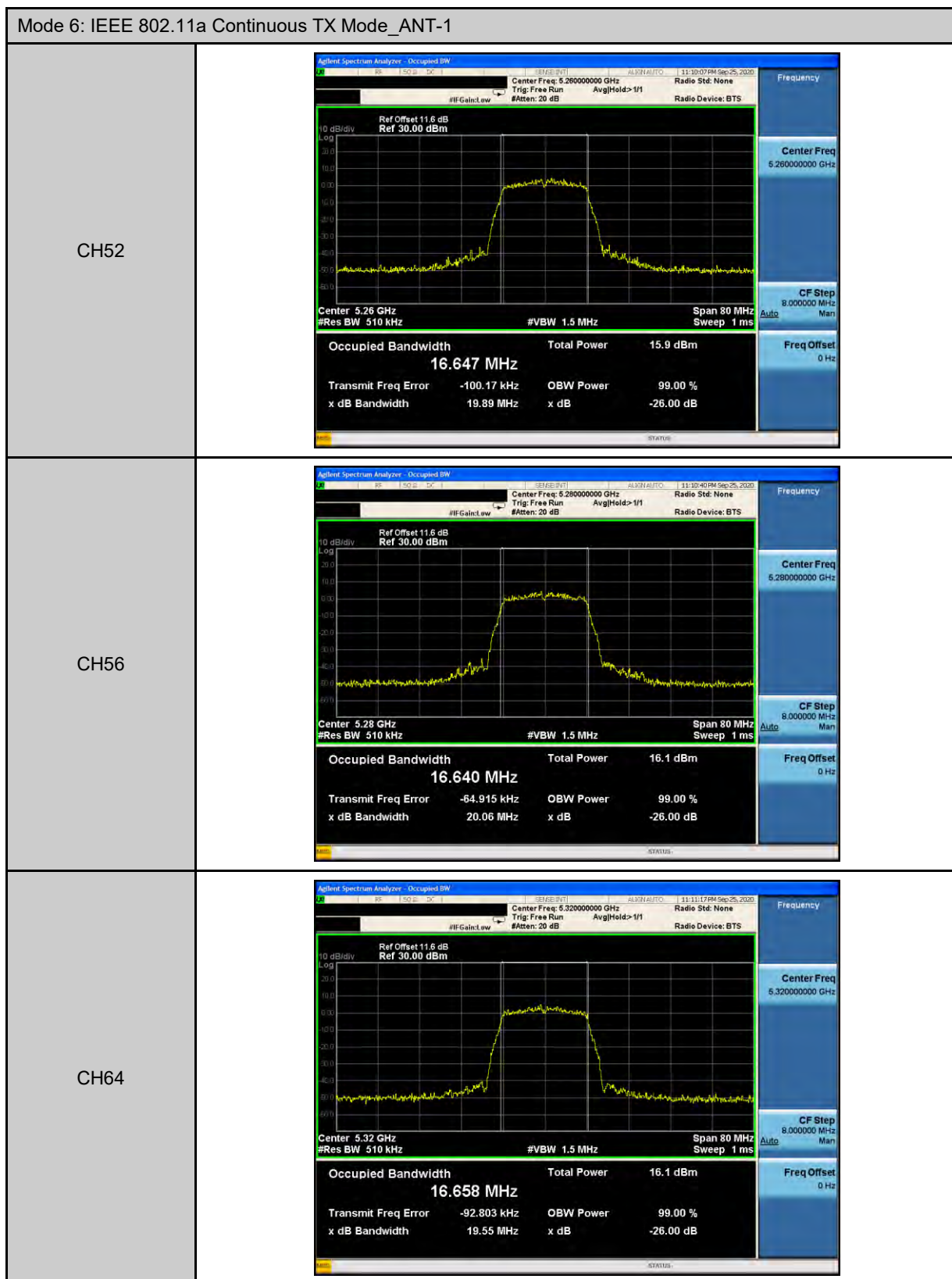


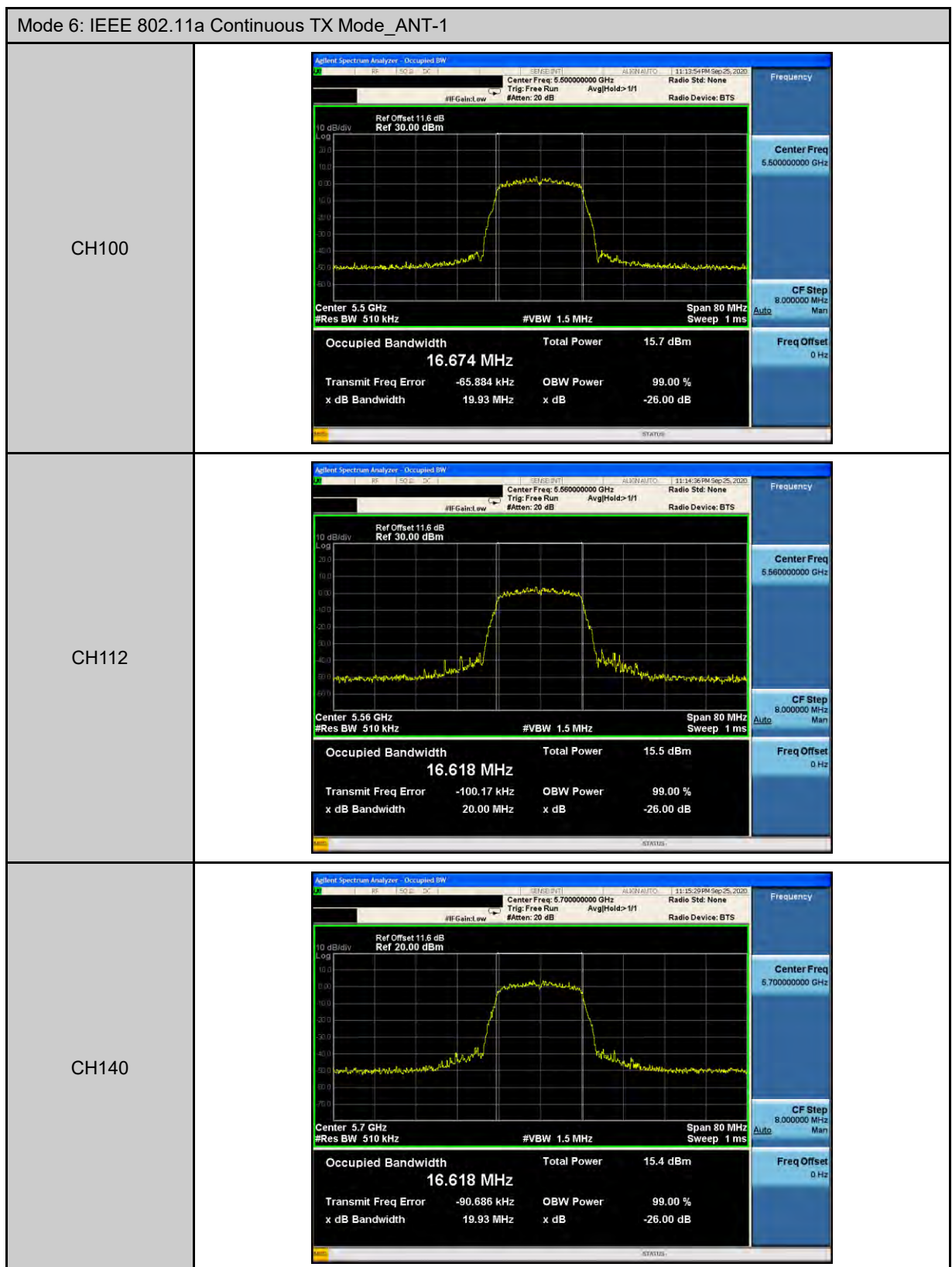
Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0	
CH62	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.31000000 GHz, Span: 120 MHz, Res BW: 1 MHz, VBW: 3 MHz, Sweep: 1 ms Occupied Bandwidth: 36.106 MHz, Total Power: 16.9 dBm Transmit Freq Error: -142.90 kHz, OBW Power: 99.00 % x dB Bandwidth: 41.16 MHz, x dB: -26.00 dB
CH102	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.51000000 GHz, Span: 120 MHz, Res BW: 1 MHz, VBW: 3 MHz, Sweep: 1 ms Occupied Bandwidth: 36.046 MHz, Total Power: 16.4 dBm Transmit Freq Error: -60.783 kHz, OBW Power: 99.00 % x dB Bandwidth: 41.12 MHz, x dB: -26.00 dB
CH110	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.55000000 GHz, Span: 120 MHz, Res BW: 1 MHz, VBW: 3 MHz, Sweep: 1 ms Occupied Bandwidth: 36.066 MHz, Total Power: 17.3 dBm Transmit Freq Error: -74.324 kHz, OBW Power: 99.00 % x dB Bandwidth: 40.82 MHz, x dB: -26.00 dB



Mode 11: IEEE 802.11ac 80 MHz Continuous TX Mode_ANT-0	
CH42	
CH58	
CH106	

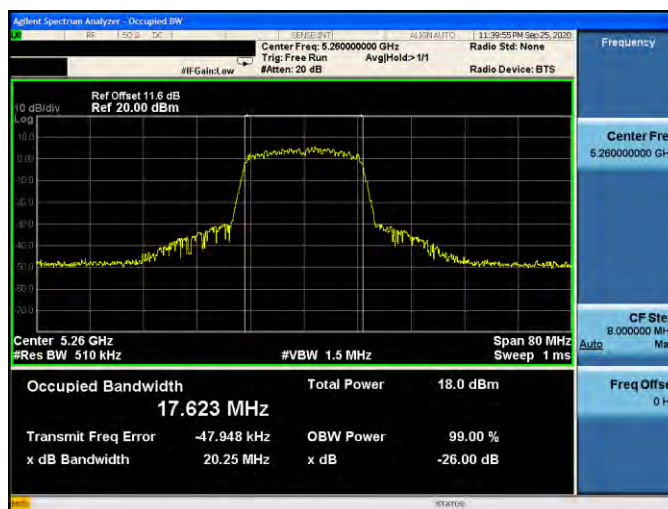




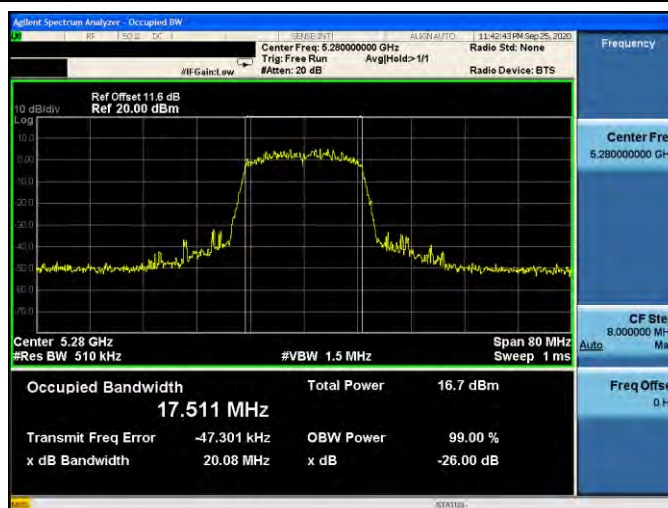


Mode 7: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1

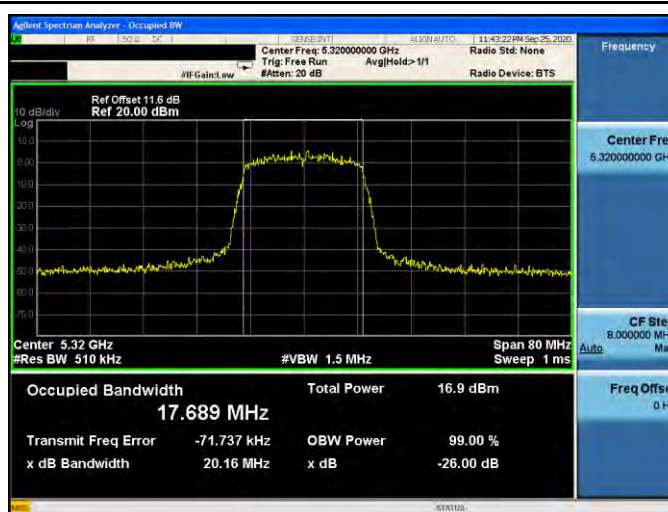
CH52



CH56

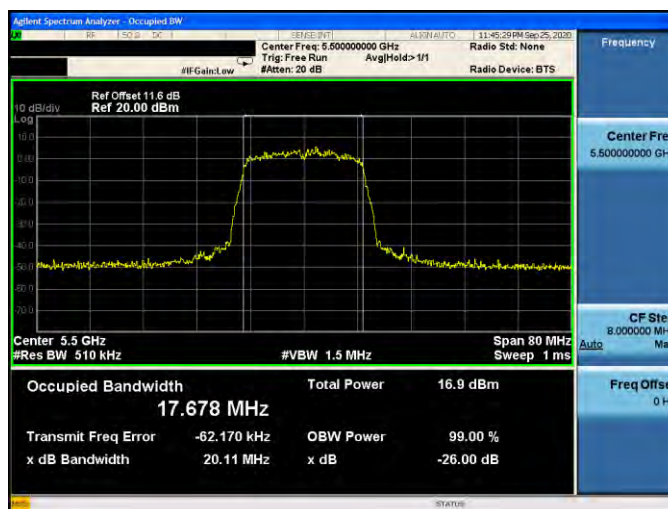


CH64

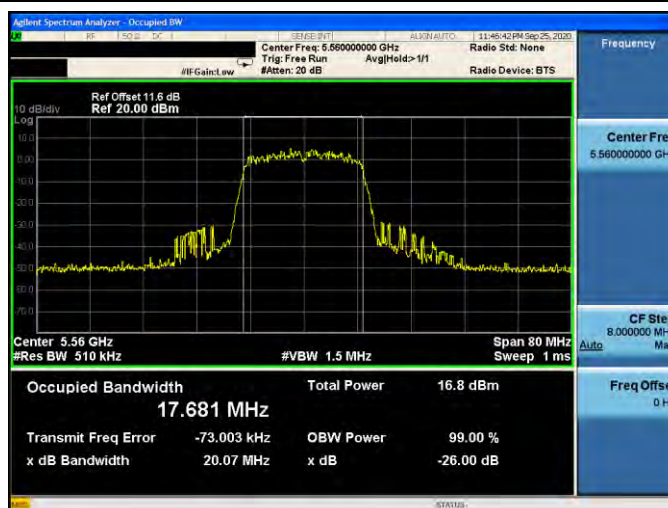


Mode 7: IEEE 802.11n 5 GHz 20 MHz Continuous TX Mode_ANT-1

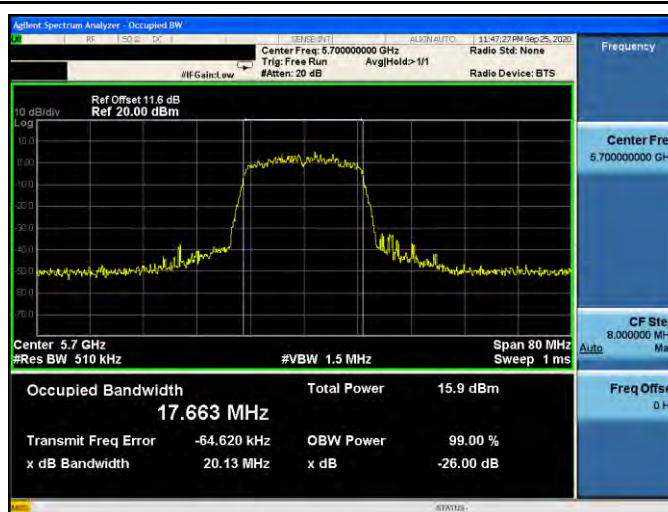
CH100



CH112

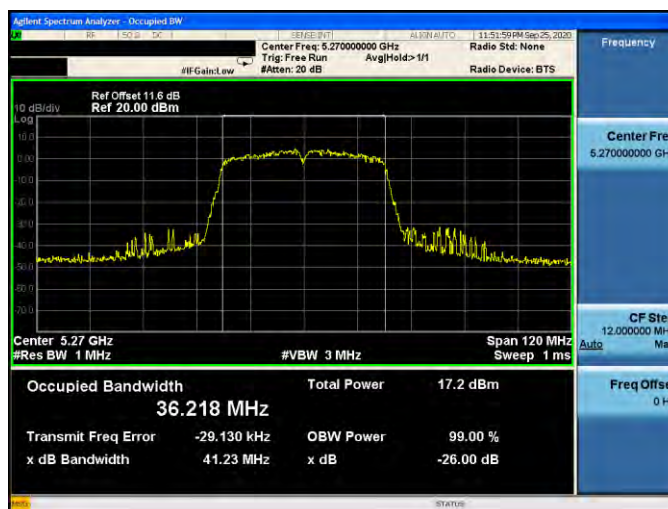


CH140

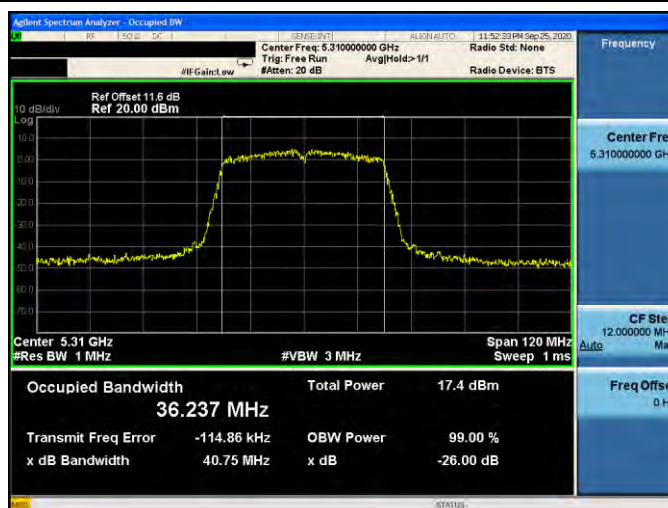


Mode 8: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-1

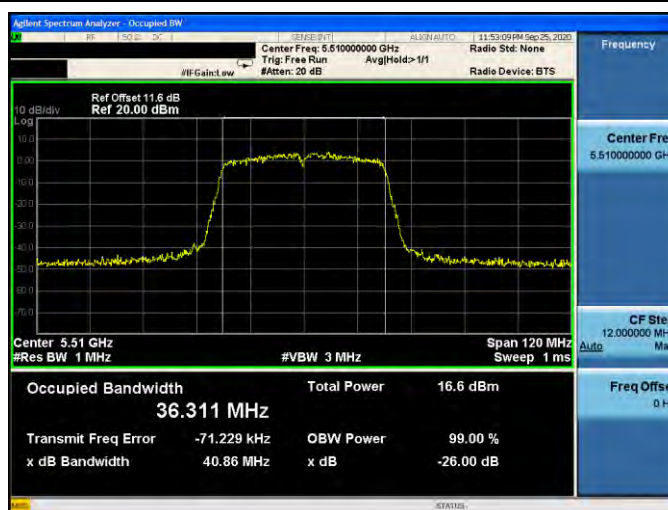
CH54



CH62

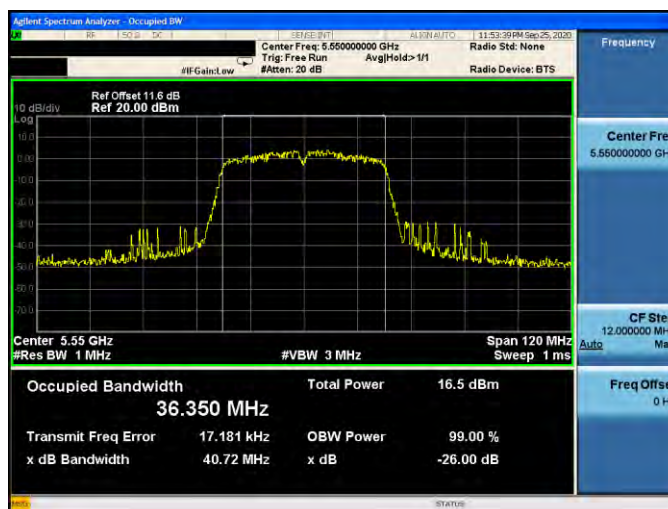


CH102

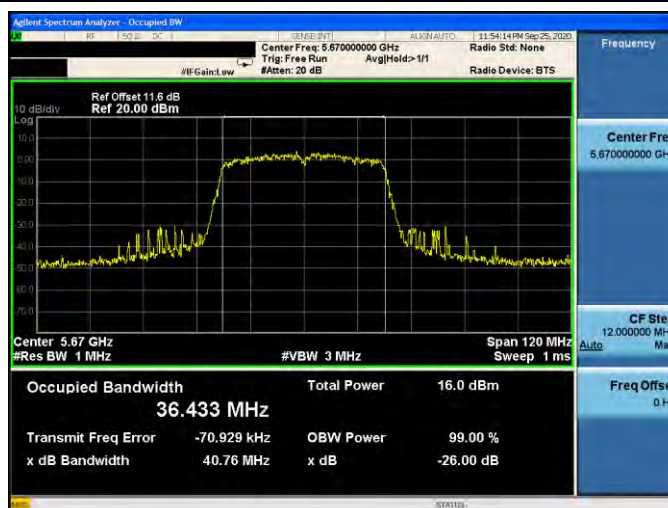


Mode 8: IEEE 802.11n 5 GHz 40 MHz Continuous TX Mode_ANT-1

CH110

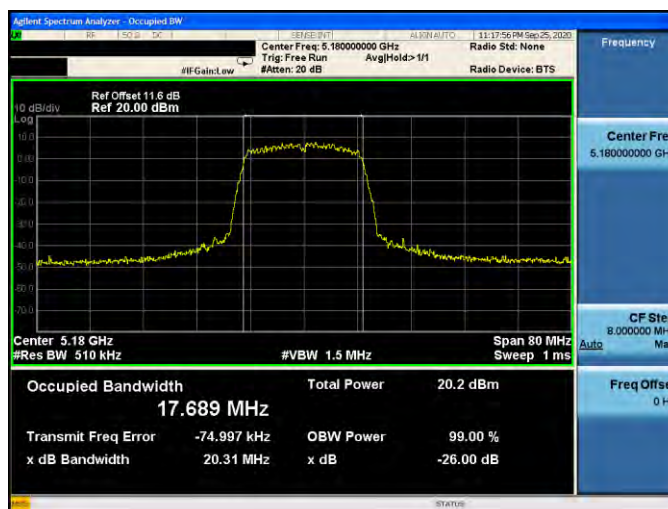


CH134

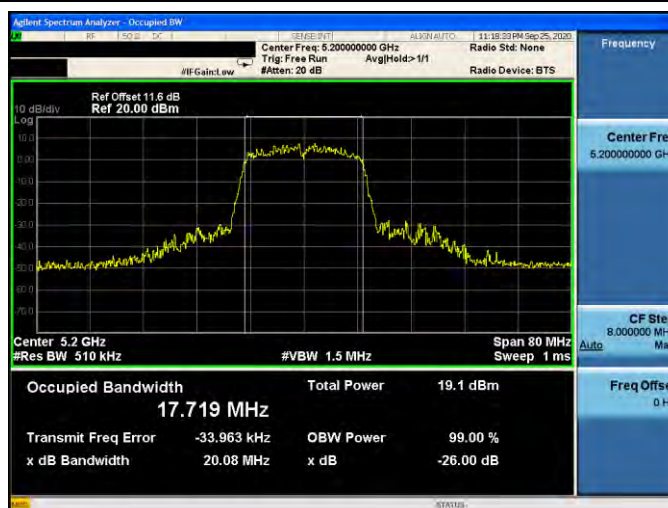


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

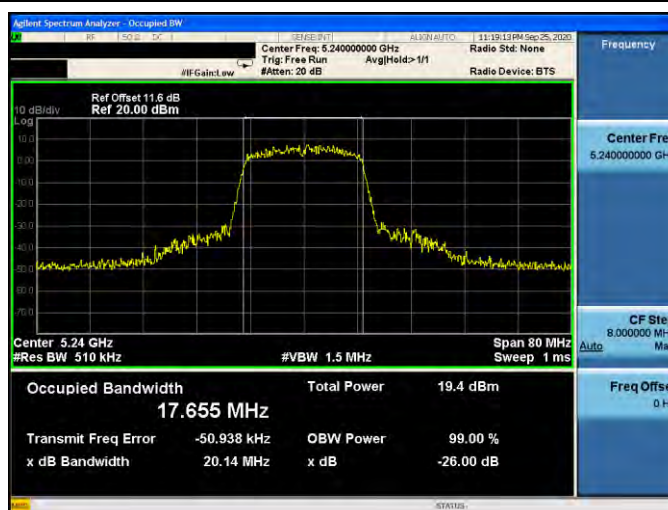
CH36



CH40

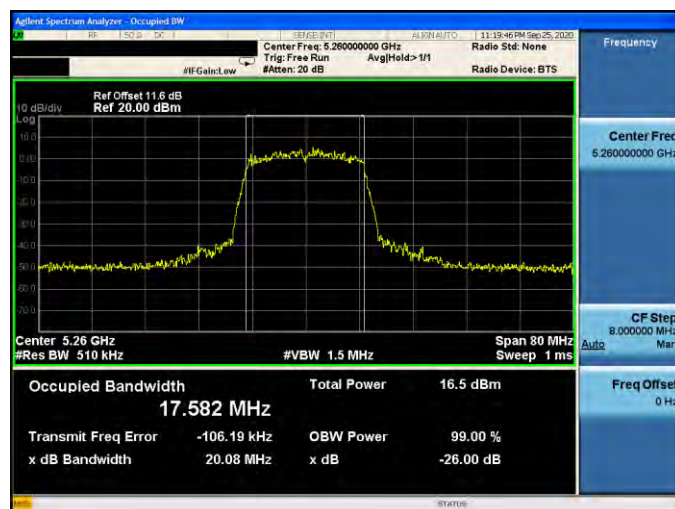


CH48

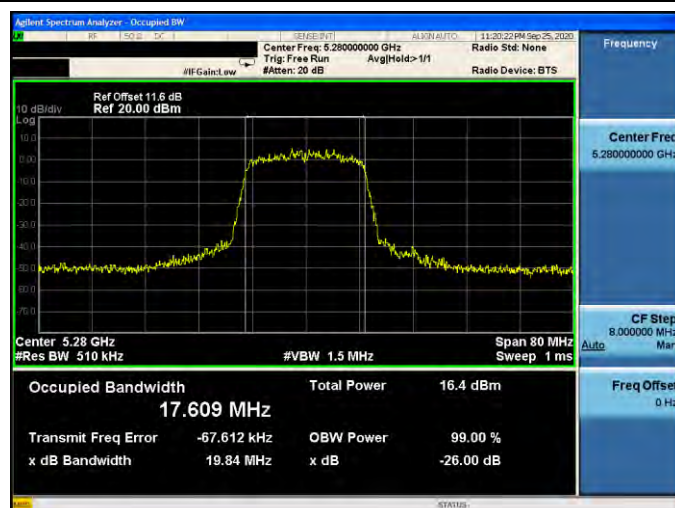


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

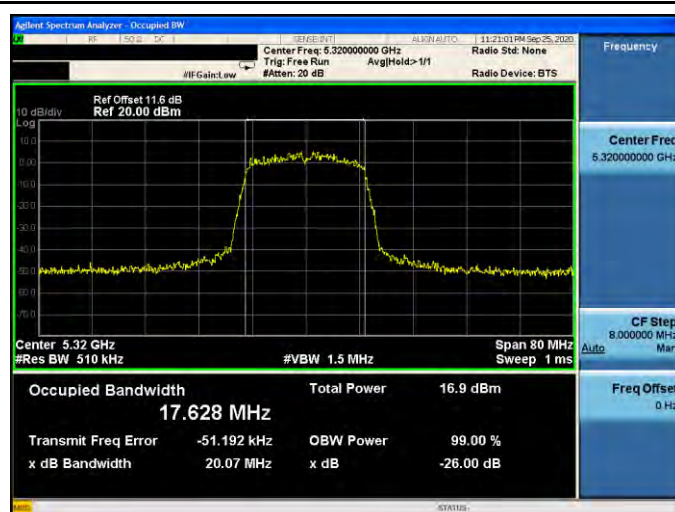
CH52



CH56

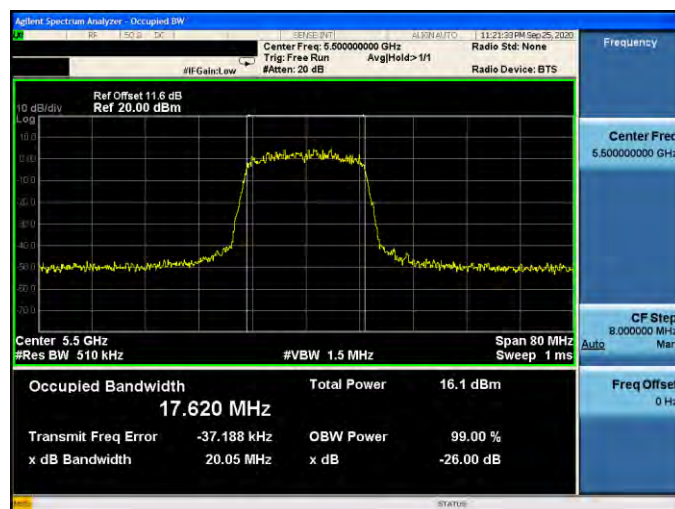


CH64

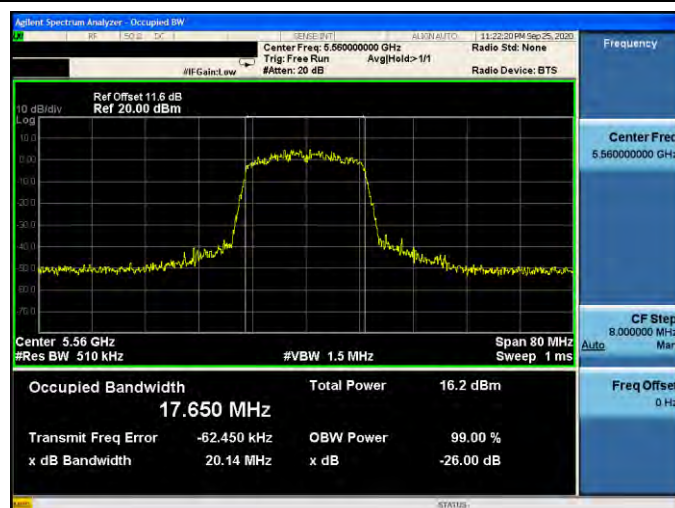


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

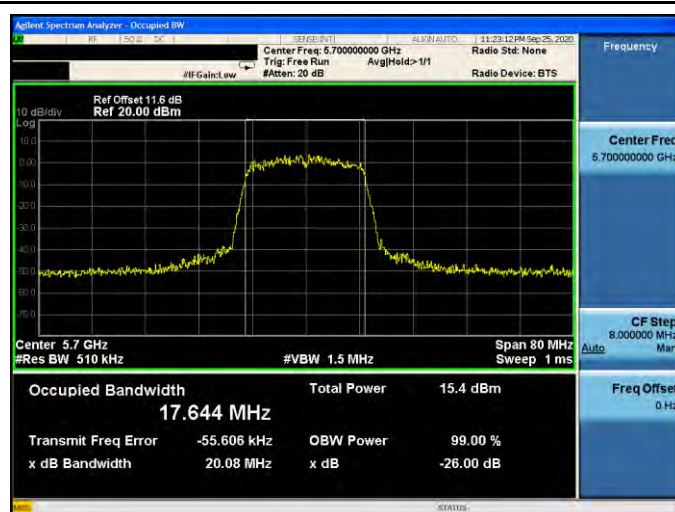
CH100

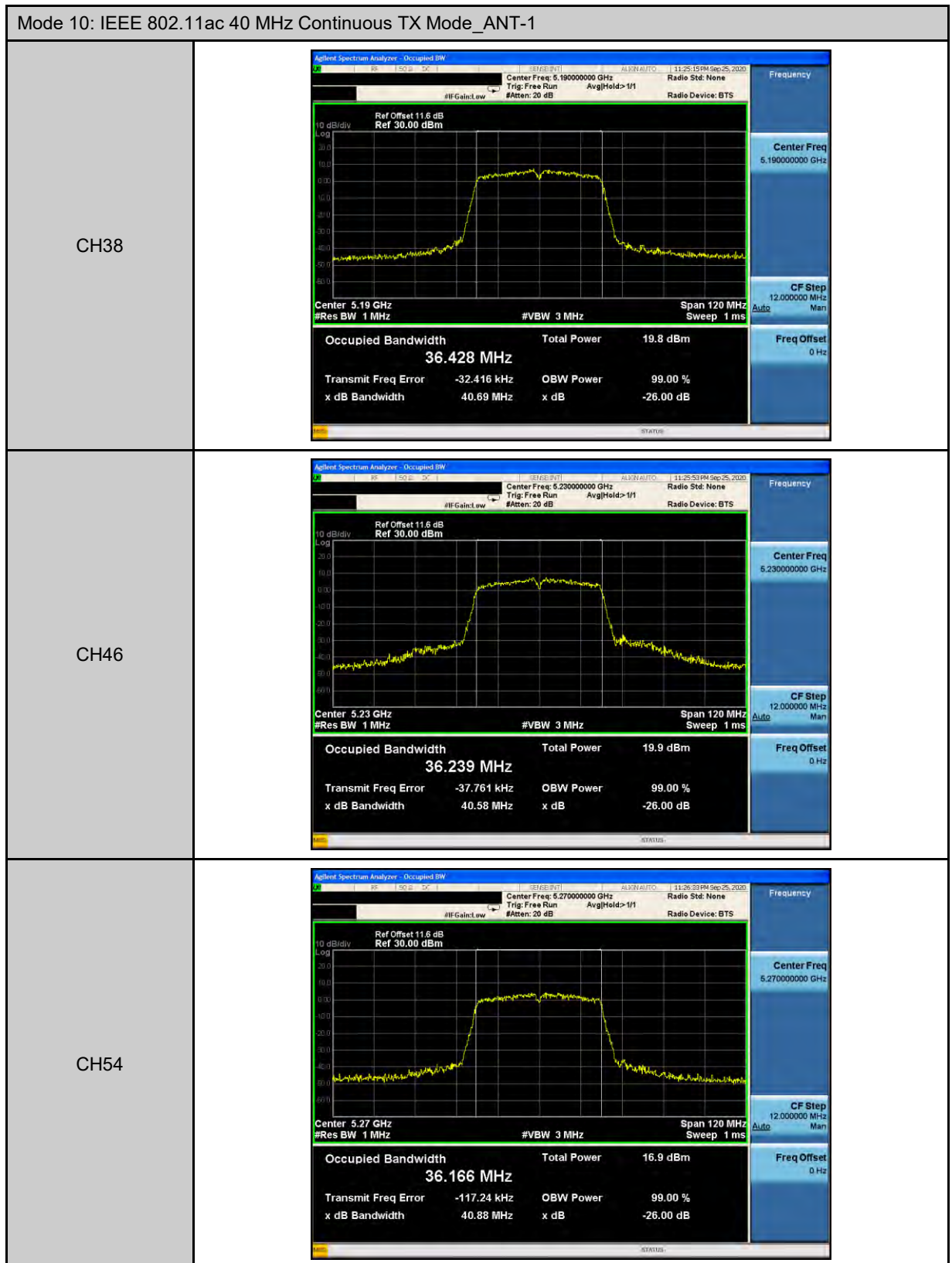


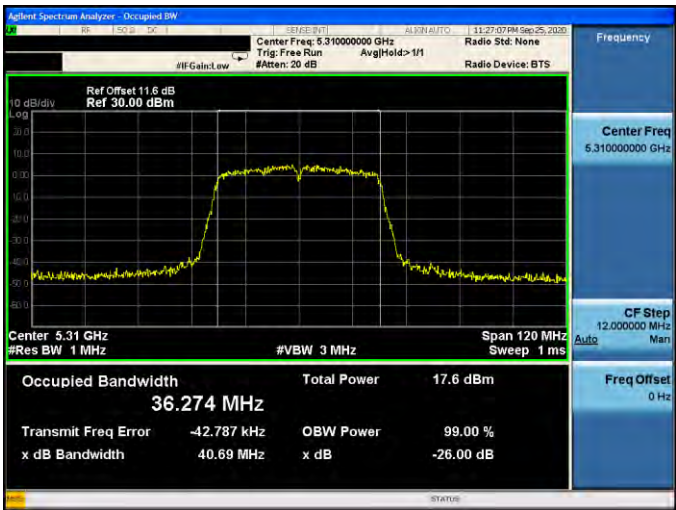
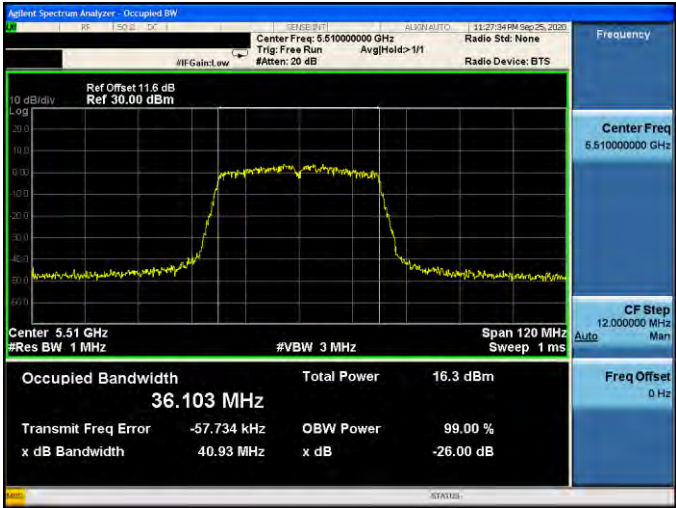
CH112

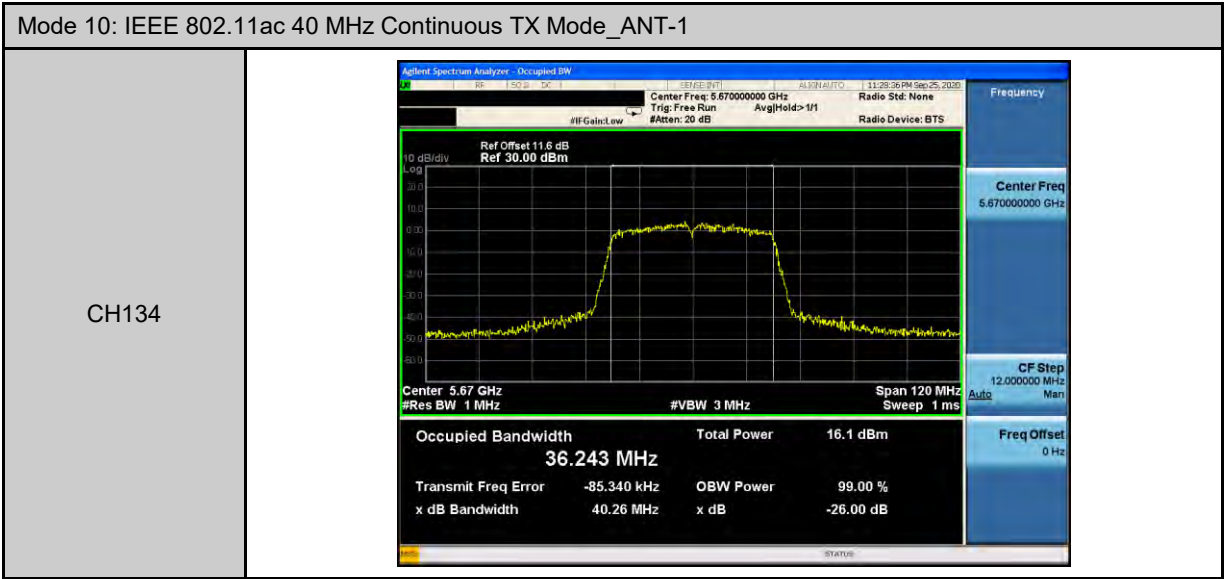


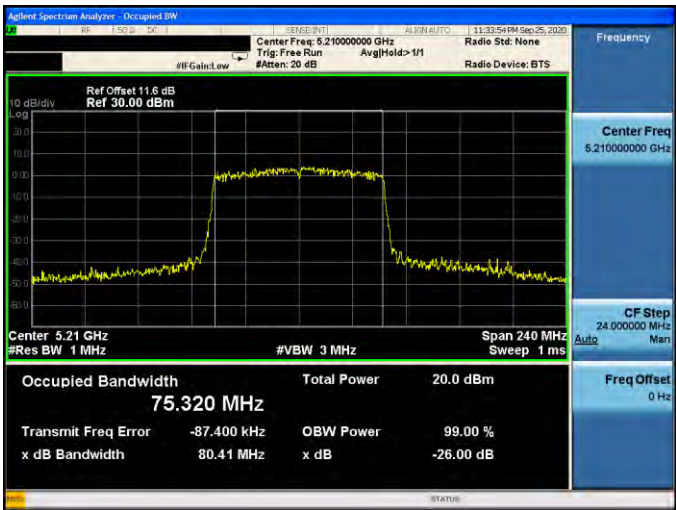
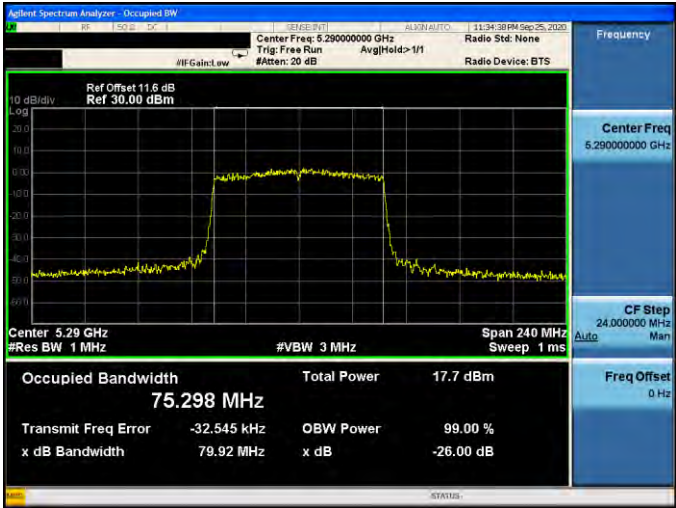
CH140





Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1	
CH62	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.31000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.31 GHz #Res BW 1 MHz #VBW 3 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 36.274 MHz Total Power 17.6 dBm Transmit Freq Error -42.787 kHz OBW Power 99.00 % x dB Bandwidth 40.69 MHz x dB -26.00 dB
CH102	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.51000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.51 GHz #Res BW 1 MHz #VBW 3 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 36.103 MHz Total Power 16.3 dBm Transmit Freq Error -57.734 kHz OBW Power 99.00 % x dB Bandwidth 40.93 MHz x dB -26.00 dB
CH110	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 5.55000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset 11.6 dB Ref 30.00 dBm Center 5.55 GHz #Res BW 1 MHz #VBW 3 MHz Span 120 MHz Sweep 1 ms Occupied Bandwidth 36.276 MHz Total Power 16.6 dBm Transmit Freq Error -90 Hz OBW Power 99.00 % x dB Bandwidth 41.05 MHz x dB -26.00 dB



Mode 11: IEEE 802.11ac 80 MHz Continuous TX Mode_ANT-1	
CH42	
CH58	
CH106	

測試結果:

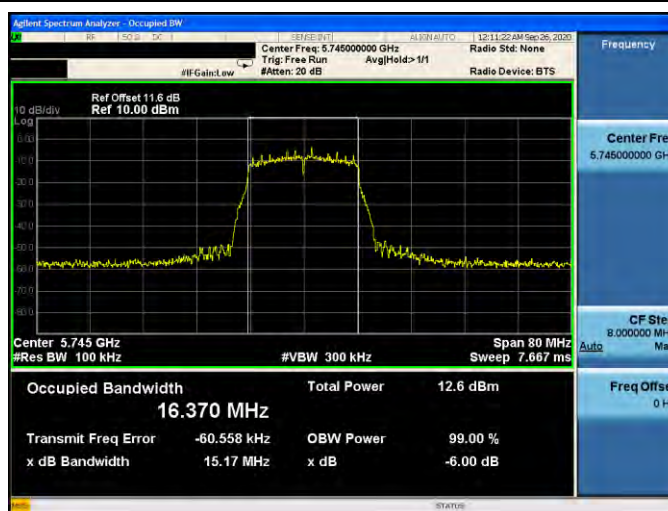
3dB Bandwidth

操作模式	頻道 (CH)	頻率 (MHz)	6 dB 頻寬量測值 (kHz)	限制值 (kHz)
			ANT-0	
Mode 6	149	5745.0	15170	≥ 500
	157	5785.0	14490	≥ 500
	165	5825.0	13900	≥ 500
Mode 9	149	5745.0	14790	≥ 500
	157	5785.0	14780	≥ 500
	165	5825.0	13870	≥ 500
Mode 10	151	5755.0	35280	≥ 500
	159	5795.0	35270	≥ 500
Mode 11	155	5775.0	75420	≥ 500

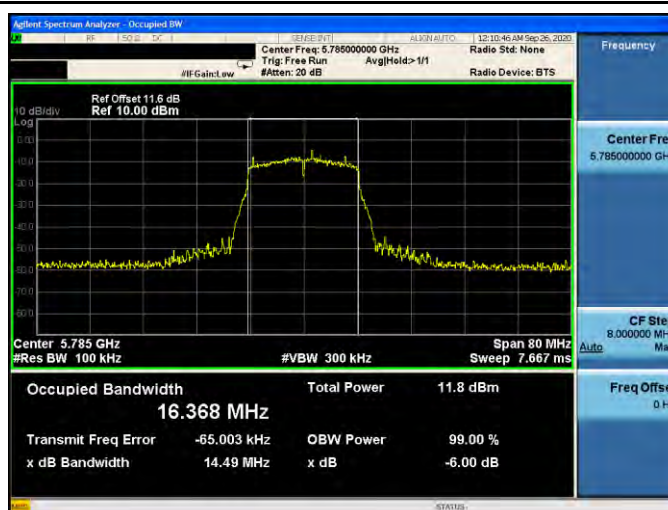
操作模式	頻道 (CH)	頻率 (MHz)	6 dB 頻寬量測值 (kHz)	限制值 (kHz)
			ANT-1	
Mode 6	149	5745.0	15080	≥ 500
	157	5785.0	16110	≥ 500
	165	5825.0	14550	≥ 500
Mode 9	149	5745.0	16510	≥ 500
	157	5785.0	15790	≥ 500
	165	5825.0	15120	≥ 500
Mode 10	151	5755.0	33290	≥ 500
	159	5795.0	33330	≥ 500
Mode 11	155	5775.0	75410	≥ 500

Mode 6: IEEE 802.11a Continuous TX Mode_ANT-0

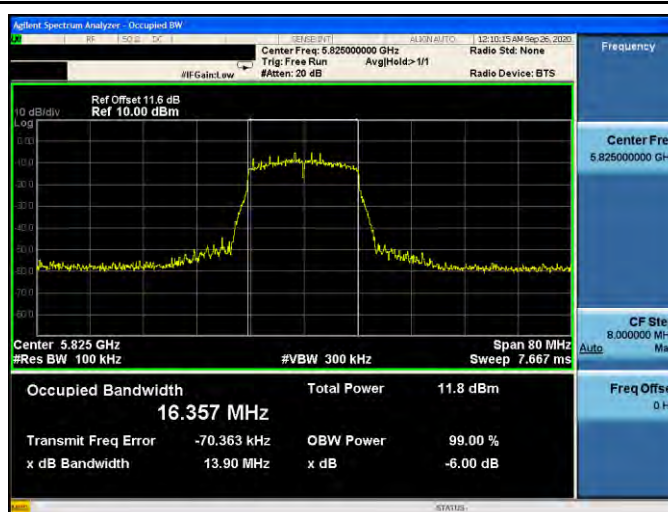
CH149



CH157

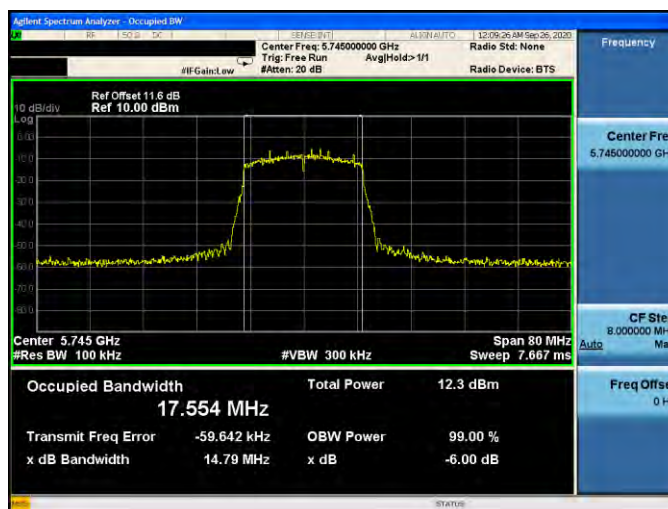


CH165

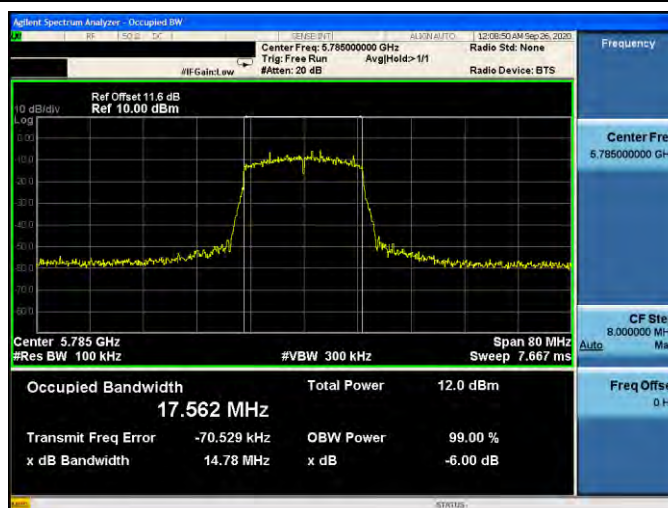


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-0

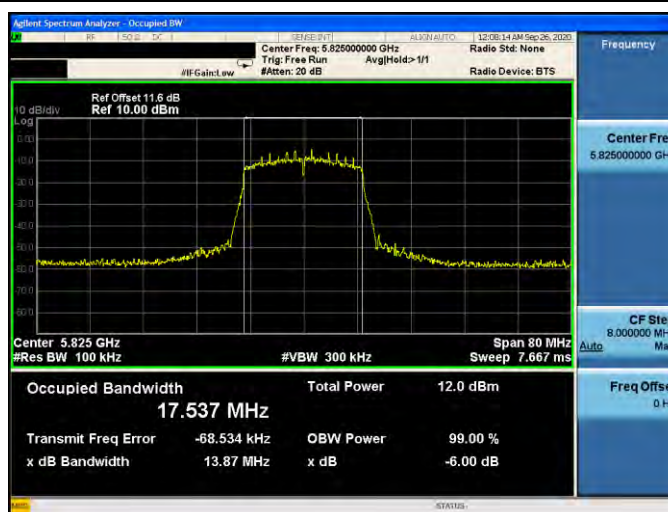
CH149



CH157

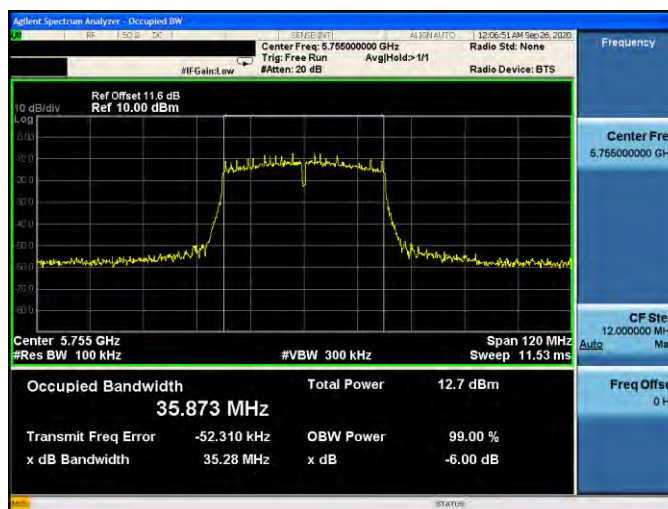


CH165

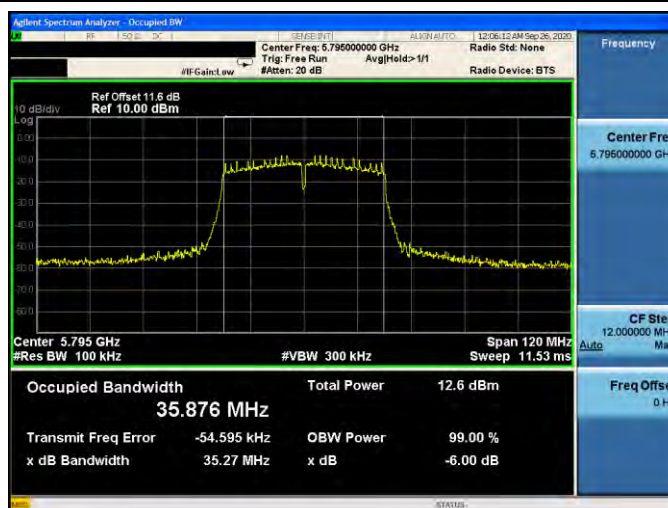


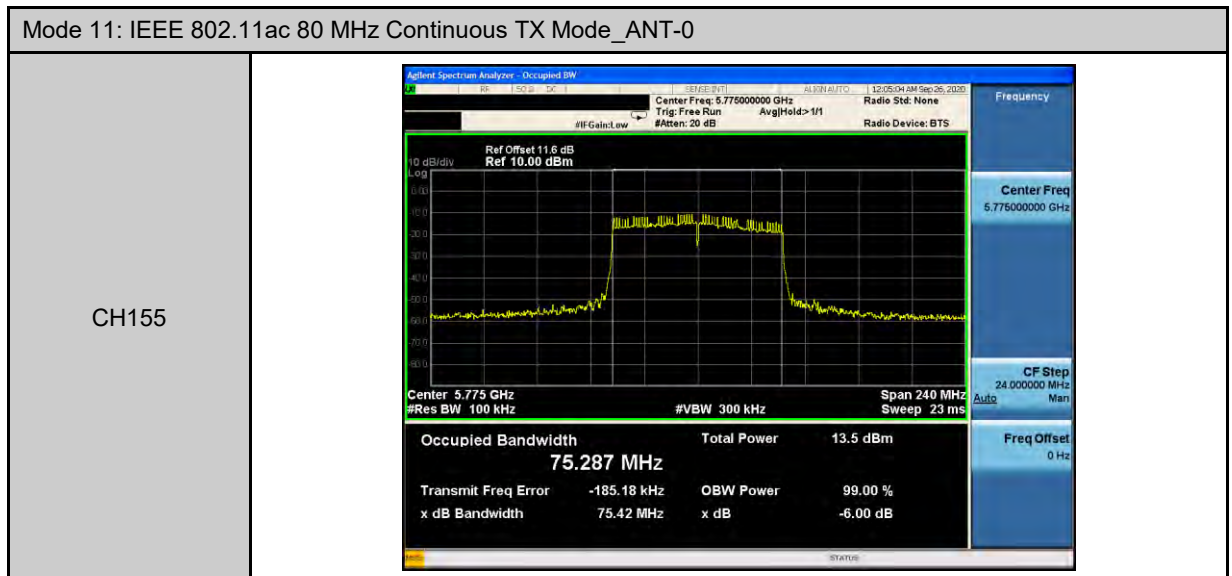
Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-0

CH151



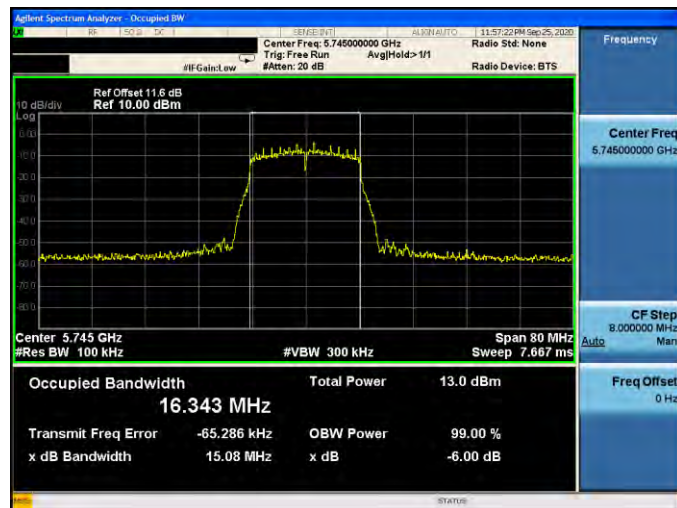
CH159



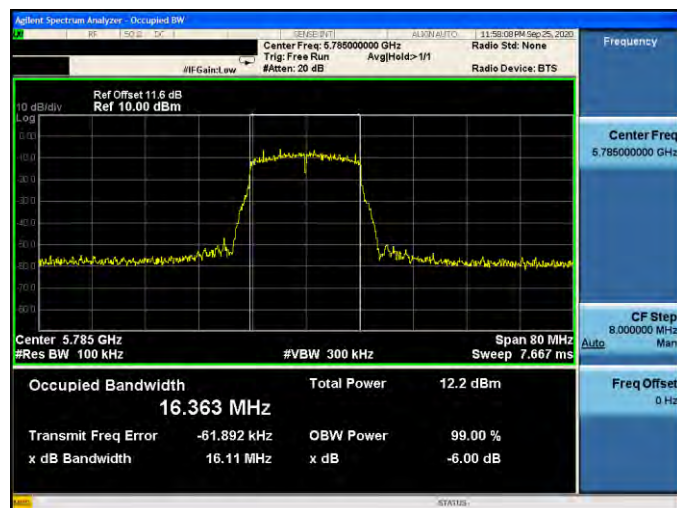


Mode 6: IEEE 802.11a Continuous TX Mode_ANT-1

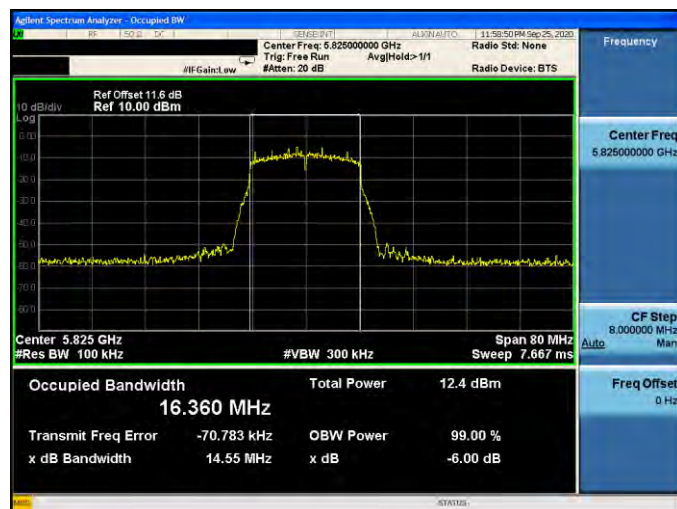
CH149



CH157

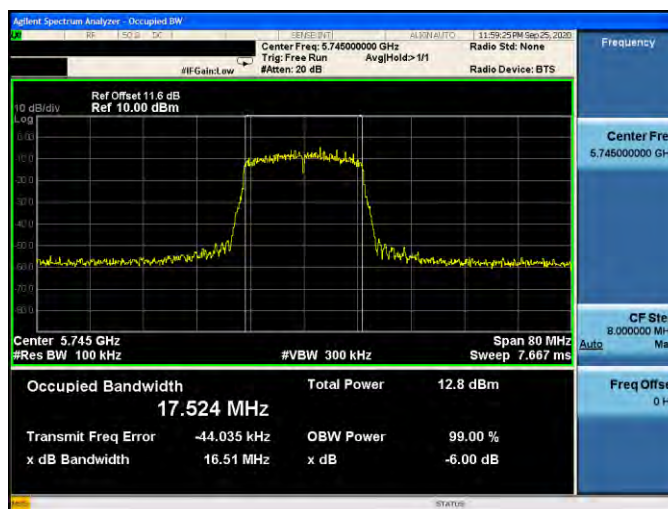


CH165

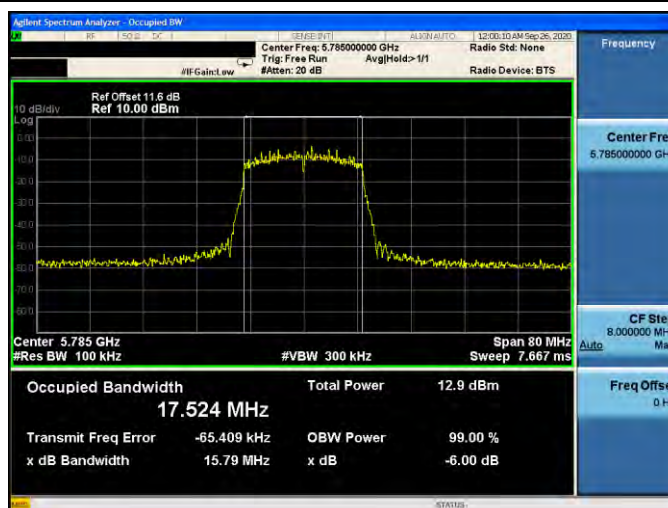


Mode 9: IEEE 802.11ac 20 MHz Continuous TX Mode_ANT-1

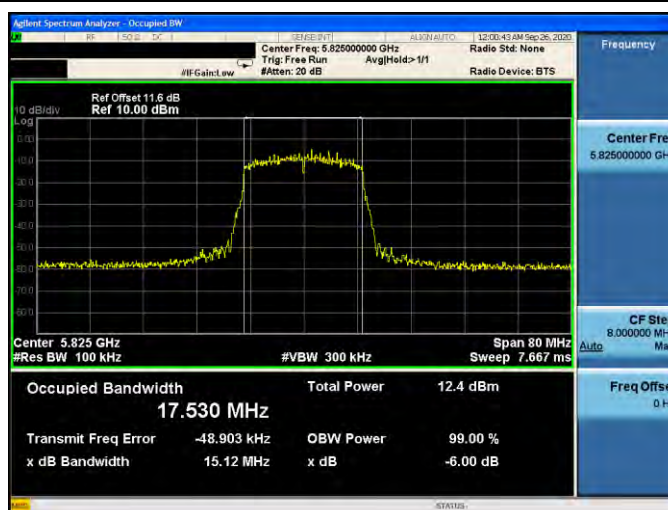
CH149



CH157

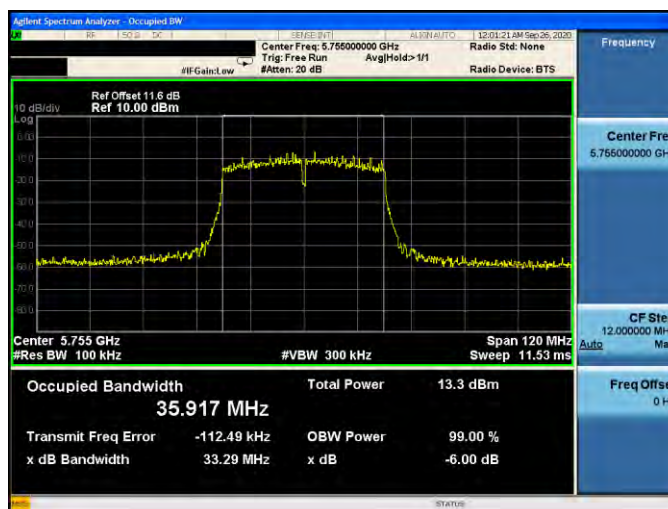


CH165

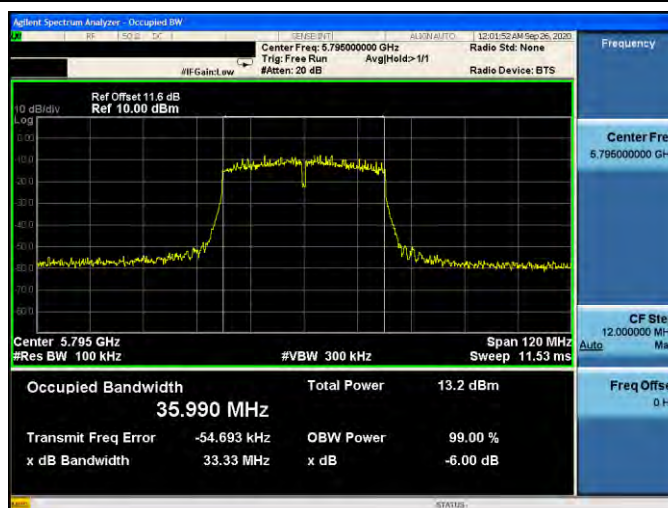


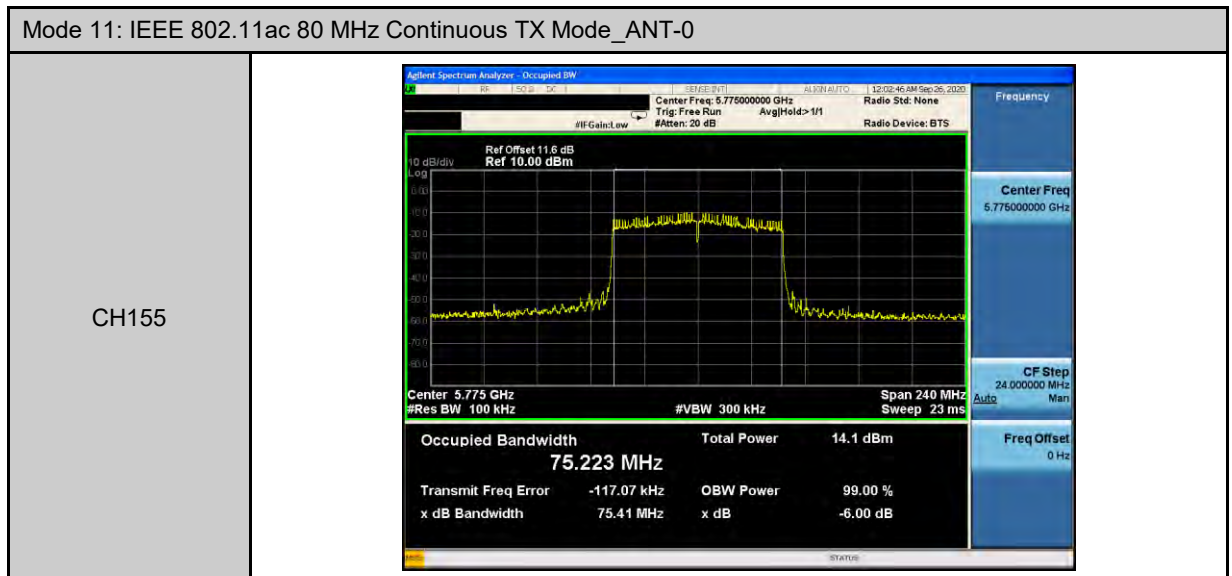
Mode 10: IEEE 802.11ac 40 MHz Continuous TX Mode_ANT-1

CH151



CH159

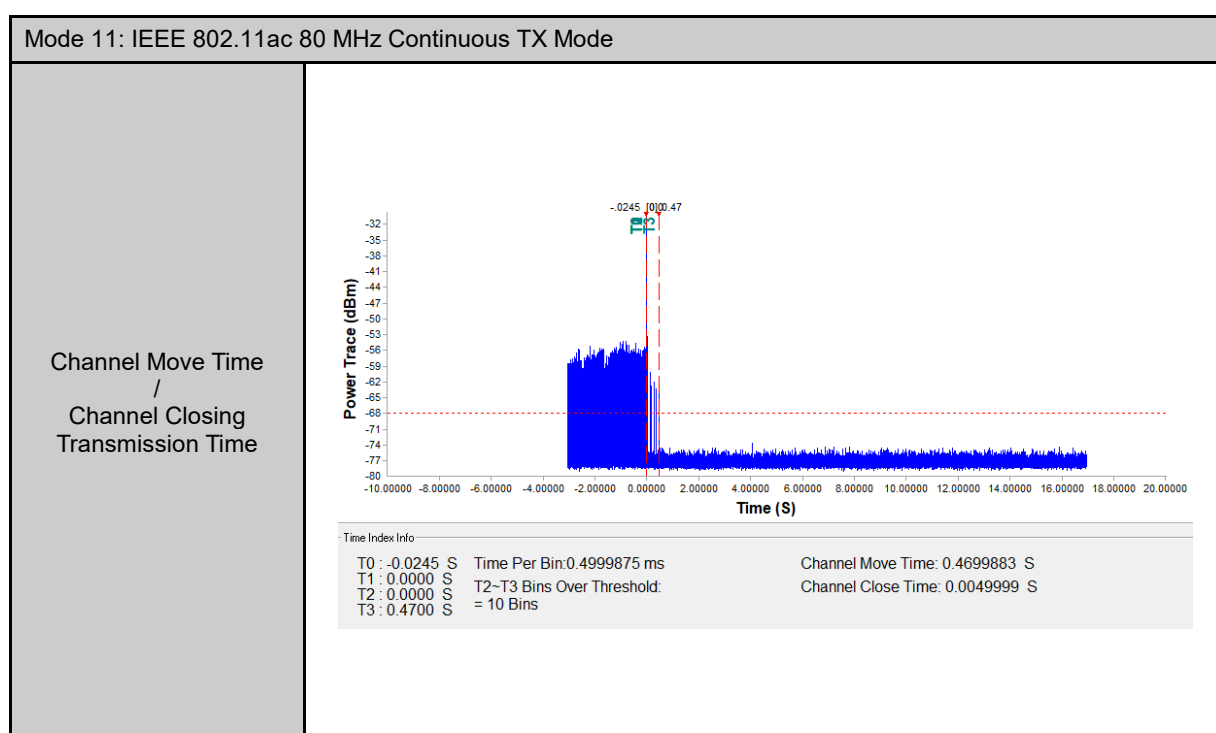


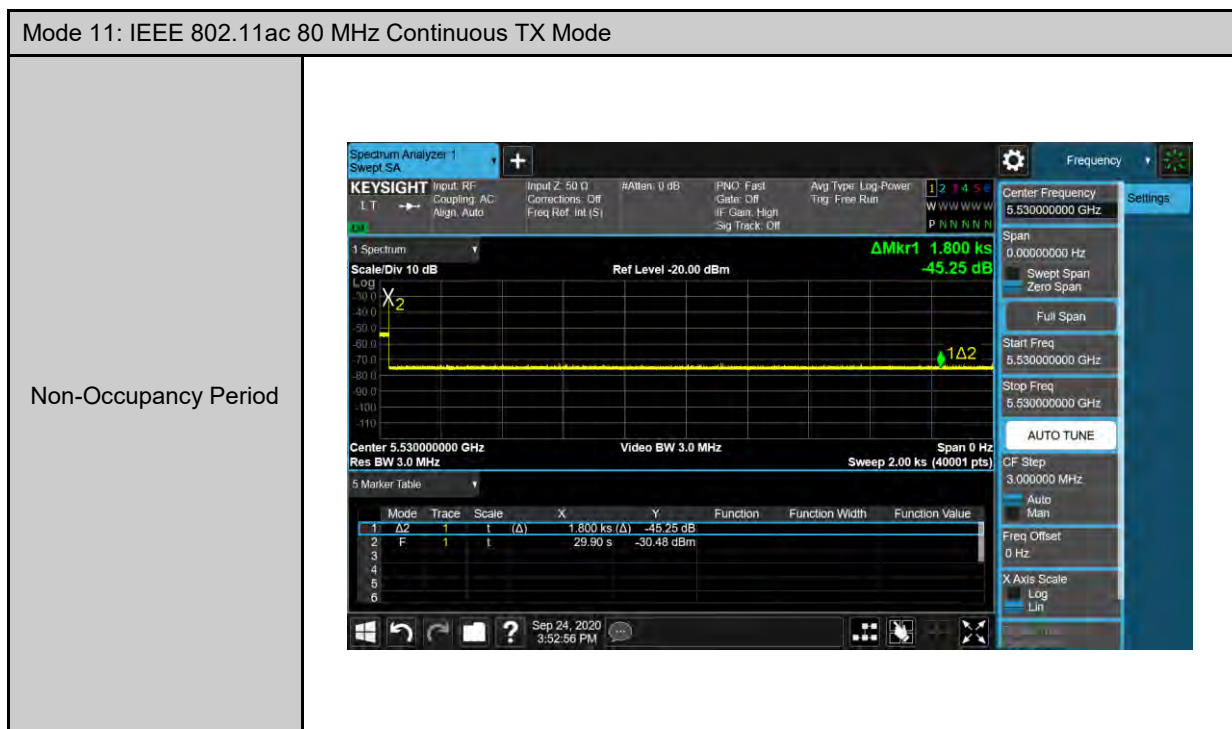


Channel Move Time /Channel Closing Transmission Time

Mode 11: IEEE 802.11ac 80 MHz Continuous TX Mode			
frequency (MHz)	Radar Type	Channel Move Time (sec)	Limit (sec)
5530	Type 0	0.4700	10

Frequency (MHz)	Radar Type	Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
5530	Type 0	4.9999	200





發射功率控制(TPC)

測試結果	:	Mode 6: EIRP =	50.116 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。
		Mode 7: EIRP =	100.964 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。
		Mode 8: EIRP =	97.603 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。
		Mode 9: EIRP =	102.244 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。
		Mode 10: EIRP =	99.890 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。
		Mode 11: EIRP =	100.929 mW	< 500 mW	, 故不需評估發射功率控制(TPC)。

電波暴露量(MPE)

Band	Frequency (MHz)	Limit (mW/cm ²)	Distance [R] (cm)	Power [P] (dBm)	ANT Gain (dBi)	Numeric Gain [G] (dBi)	Duty Cycle	With Duty cycle [P] x [G] (mW)	Power Density [S] (mW/cm ²)
WLAN 2.4 GHz	2412~2462	1	20	16.53	2.40	1.74	1	78.35	0.0156
WLAN 5 GHz	5180~5825	1	20	16.52	6.41	4.38	1	196.761	0.0391
BT	2402~2480	1	20	7.09	3.00	2	1	10.234	0.0020

Simultaneous MPE = WLAN 5 G MPE + BT MPE = 0.0391 + 0.0020 = 0.0411

---END---