

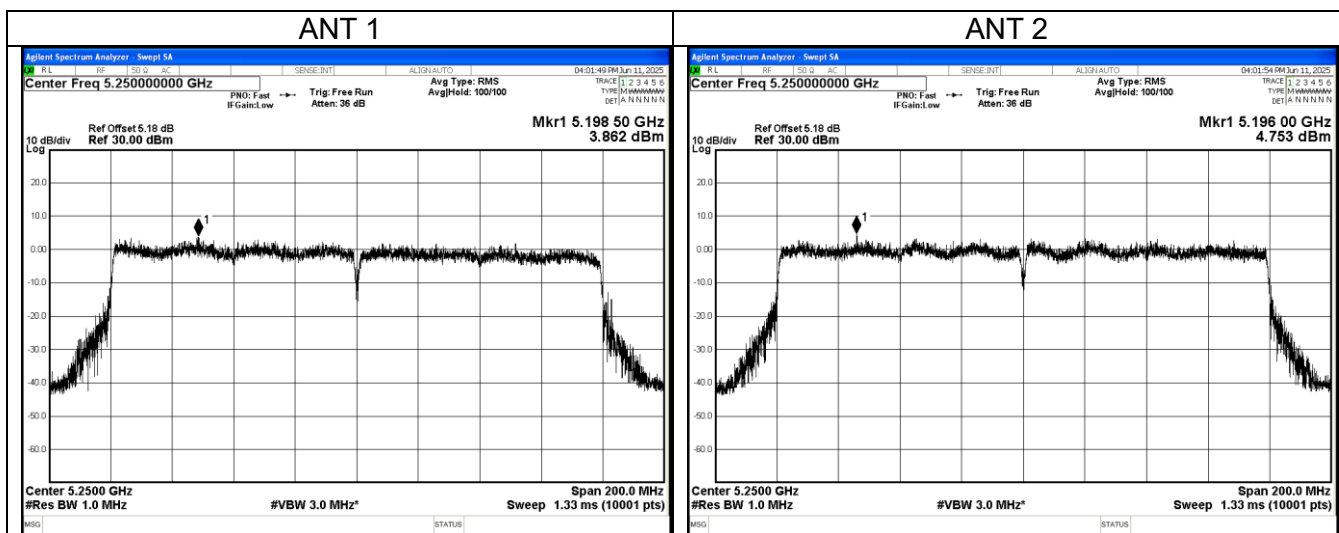
802.11be(EHT160) mode:						
CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
50	5250	3.862	4.753	7.341	8.43	Pass

Note:

Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi, 5725MHz to 5850MHz: 4.68 dBi(ANT1&2).

For 802.11n, 802.11ac, 802.11ax and 802.11be, the EUT incorporates a MIMO function. The 5150MHz to 5350MHz: Antenna directional gain = GANT + Array Gain = 8.57 dBi, and 5725MHz to 5850MHz: Antenna directional gain = GANT + Array Gain = 7.69 dBi, where Array Gain = $10 \log(2/1)$ = 3.01 dB.

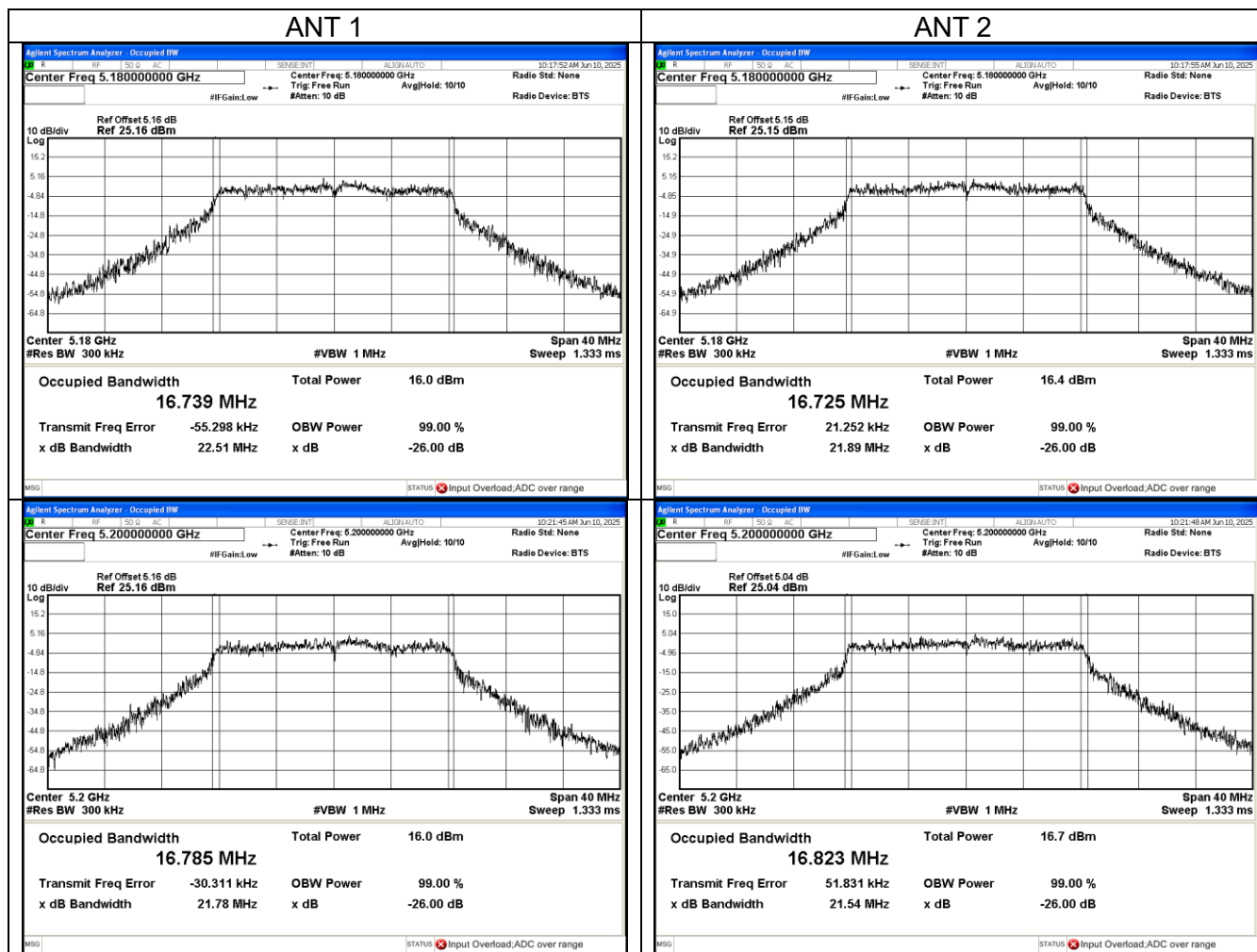
The maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The band 5150MHz to 5250MHz: maximum power spectral density limit is $17-(8.57-6)=14.43$. The band 5250MHz to 5350MHz: maximum power spectral density limit is $11-(8.57-6)=8.43$. The band 5725MHz to 5850MHz: maximum power spectral density limit is $30-(7.69-6)=28.31$.

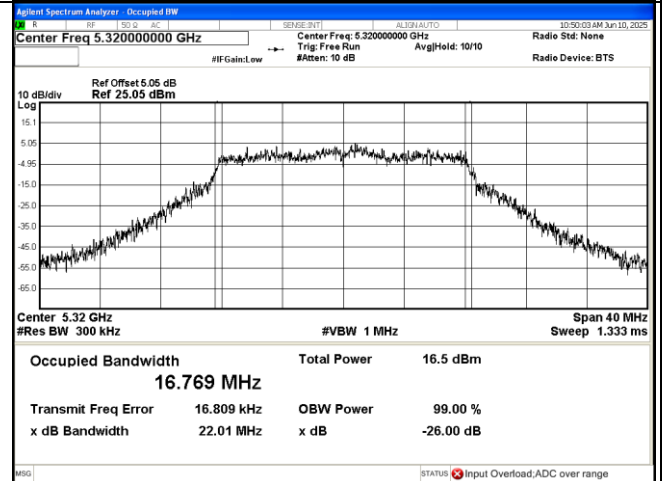
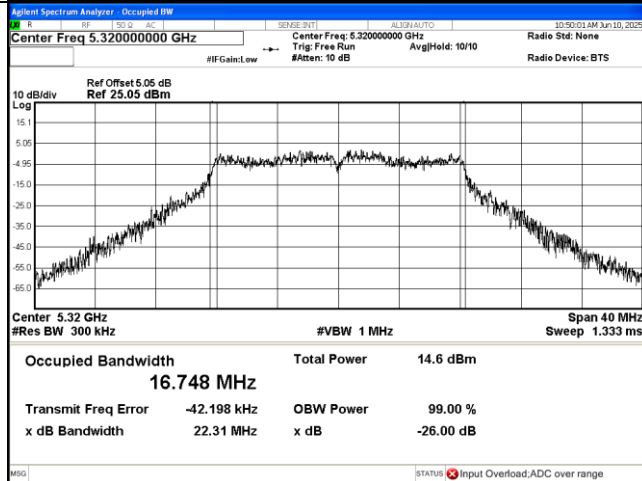
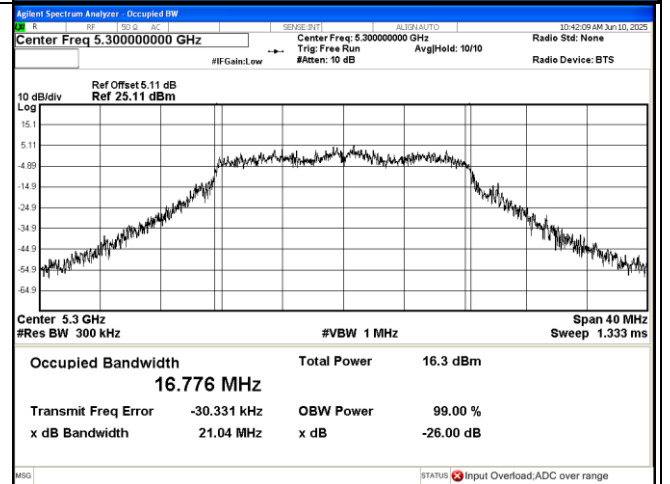
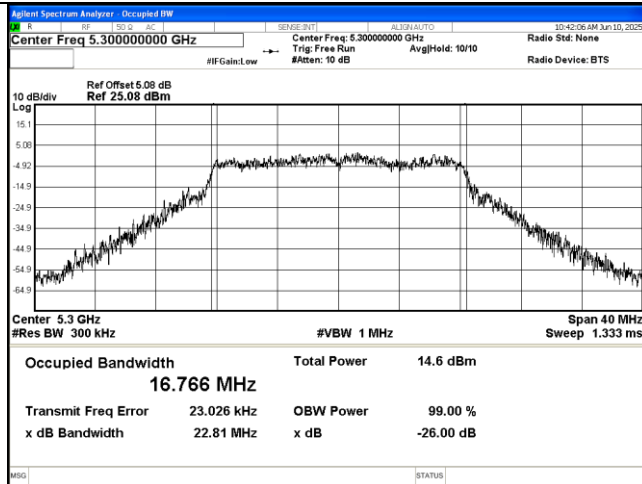
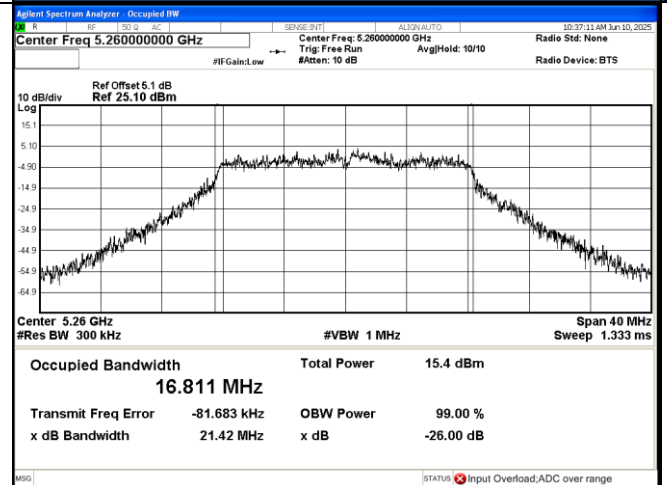
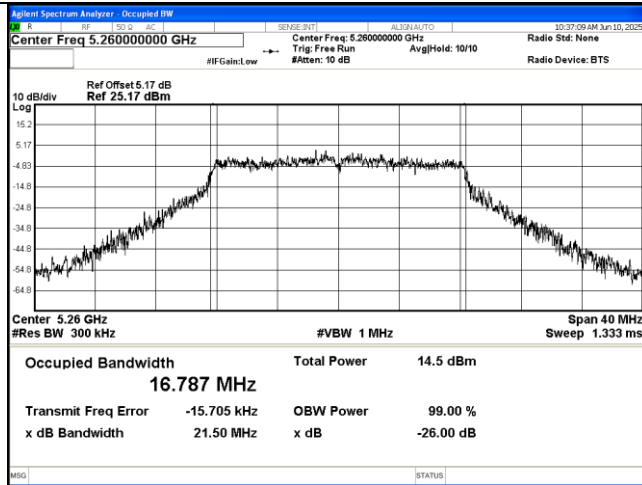
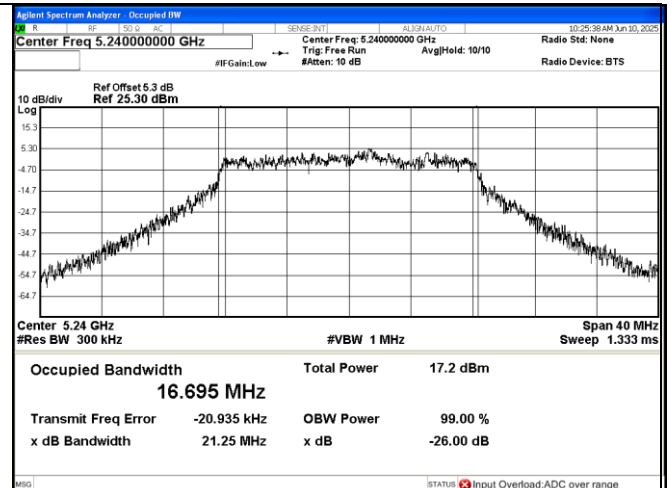
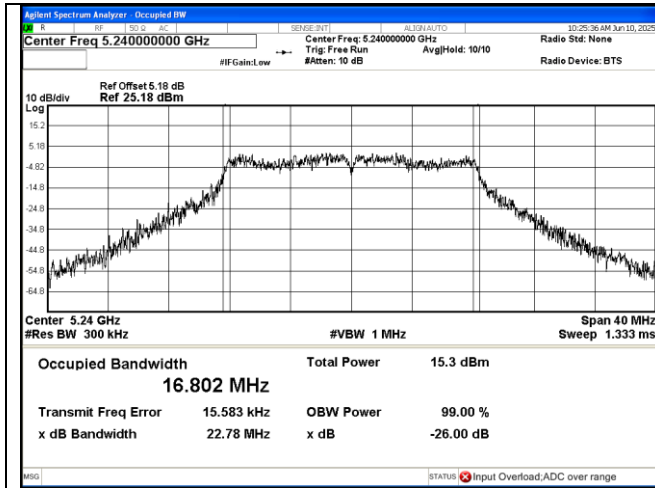


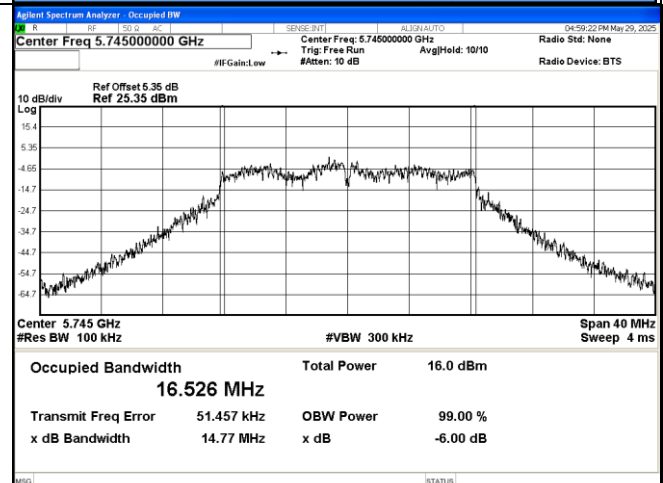
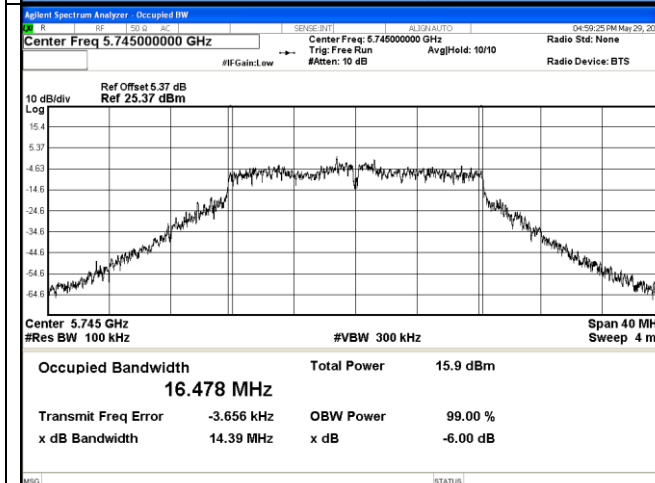
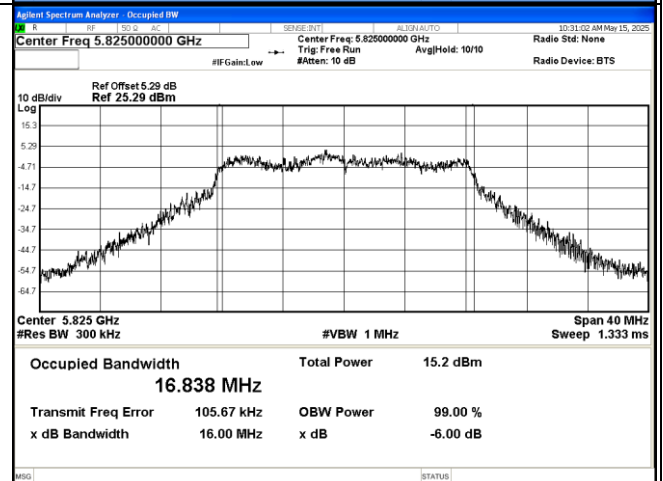
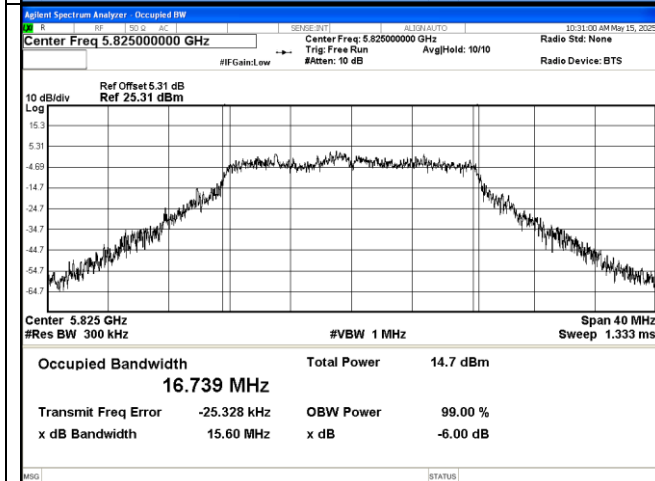
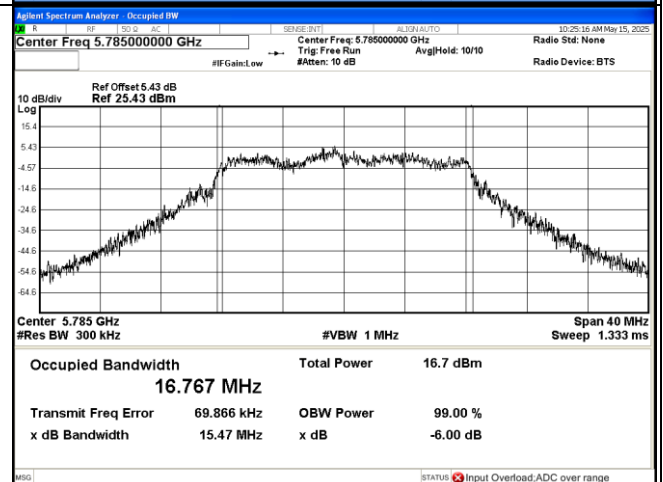
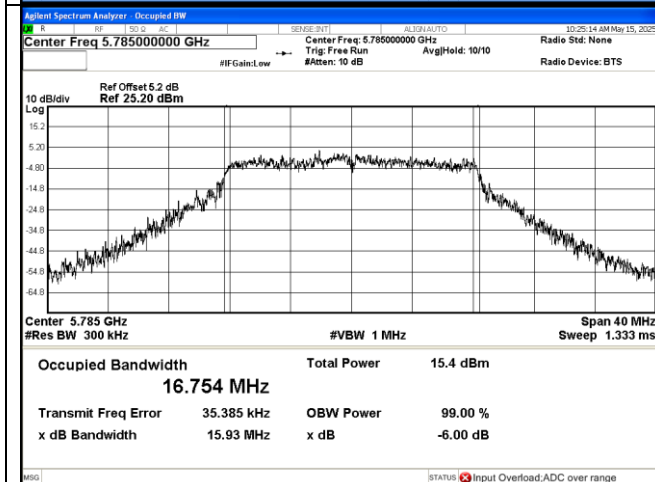
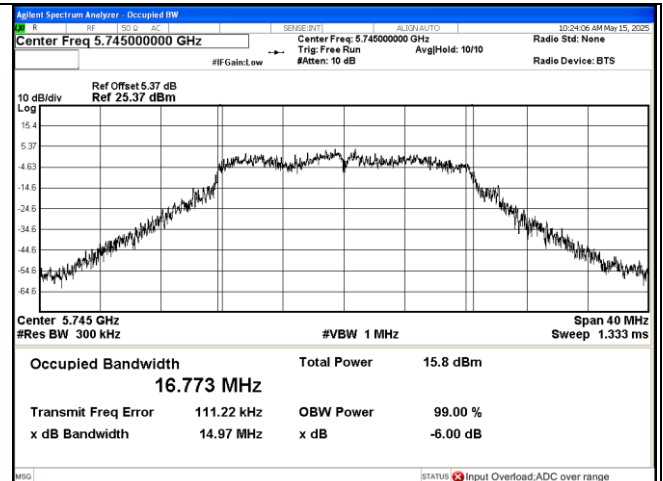
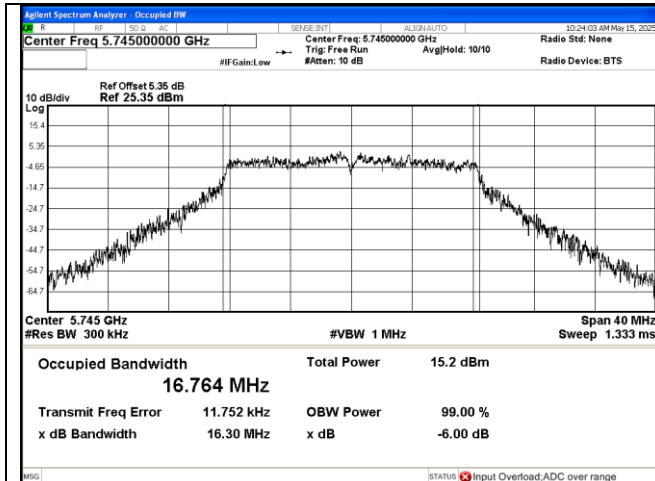
Appendix A.6 Test Results of 6dB & 26dB & 99% BANDWIDTH

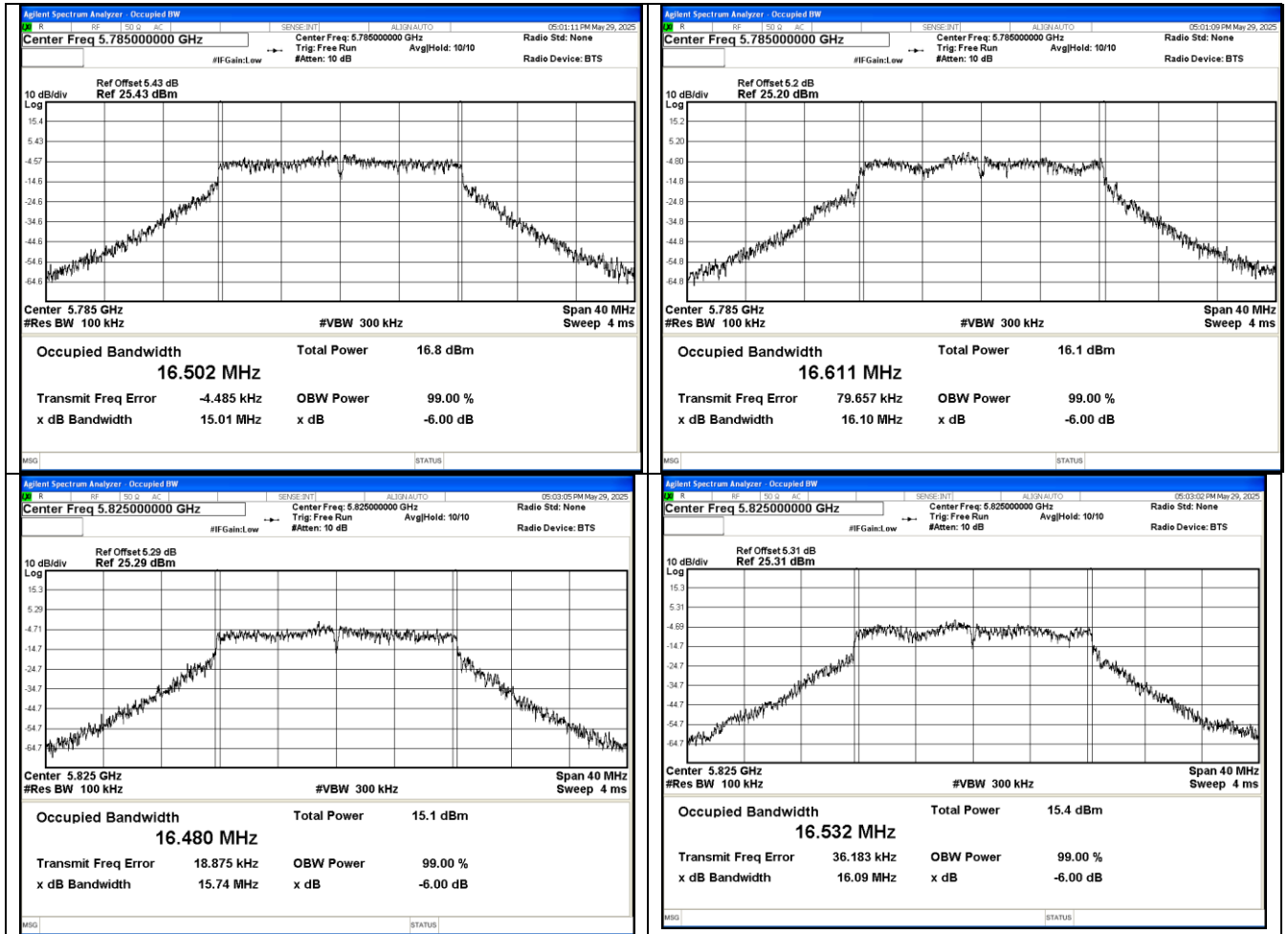
802.11a mode:					
Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
36	5180	16.739	22.51	16.725	21.89
44	5200	16.785	21.78	16.823	21.54
48	5240	16.802	22.78	16.695	21.25
52	5260	16.787	21.50	16.811	21.42
56	5300	16.766	22.81	16.776	21.04
64	5320	16.748	22.31	16.769	22.01

Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth (MHz)
149	5745	16.764	14.39	16.773	14.77
157	5785	16.754	15.01	16.767	16.10
165	5825	16.739	15.74	16.838	16.09





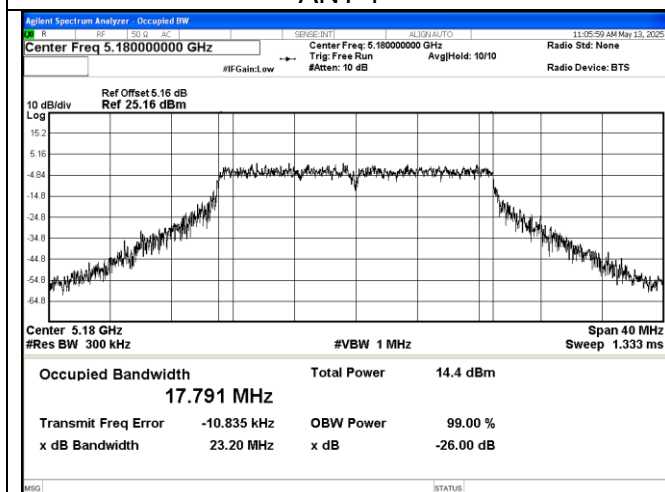
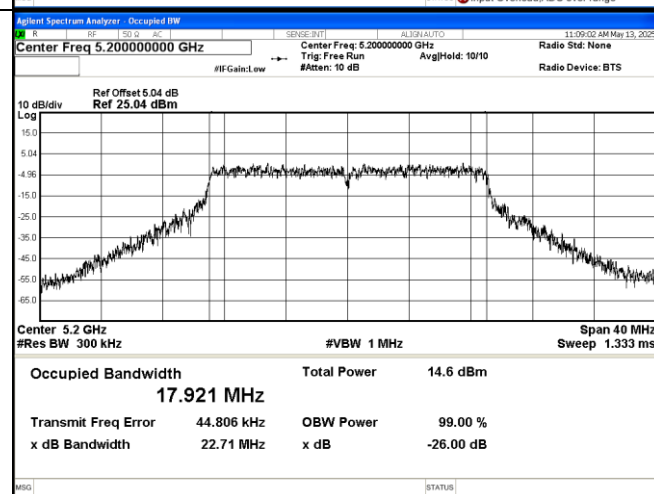
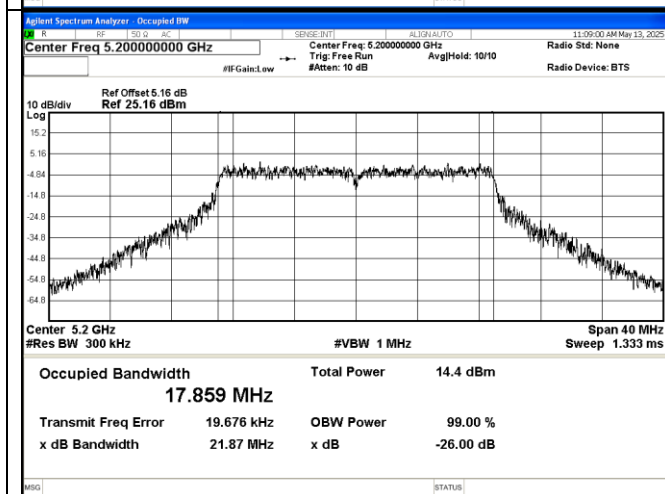
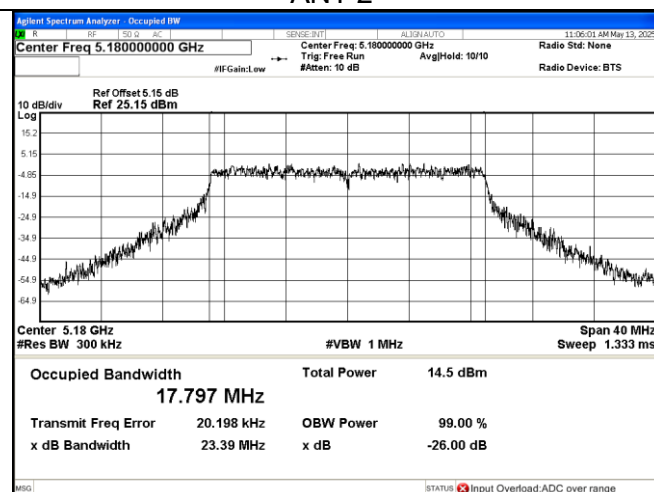


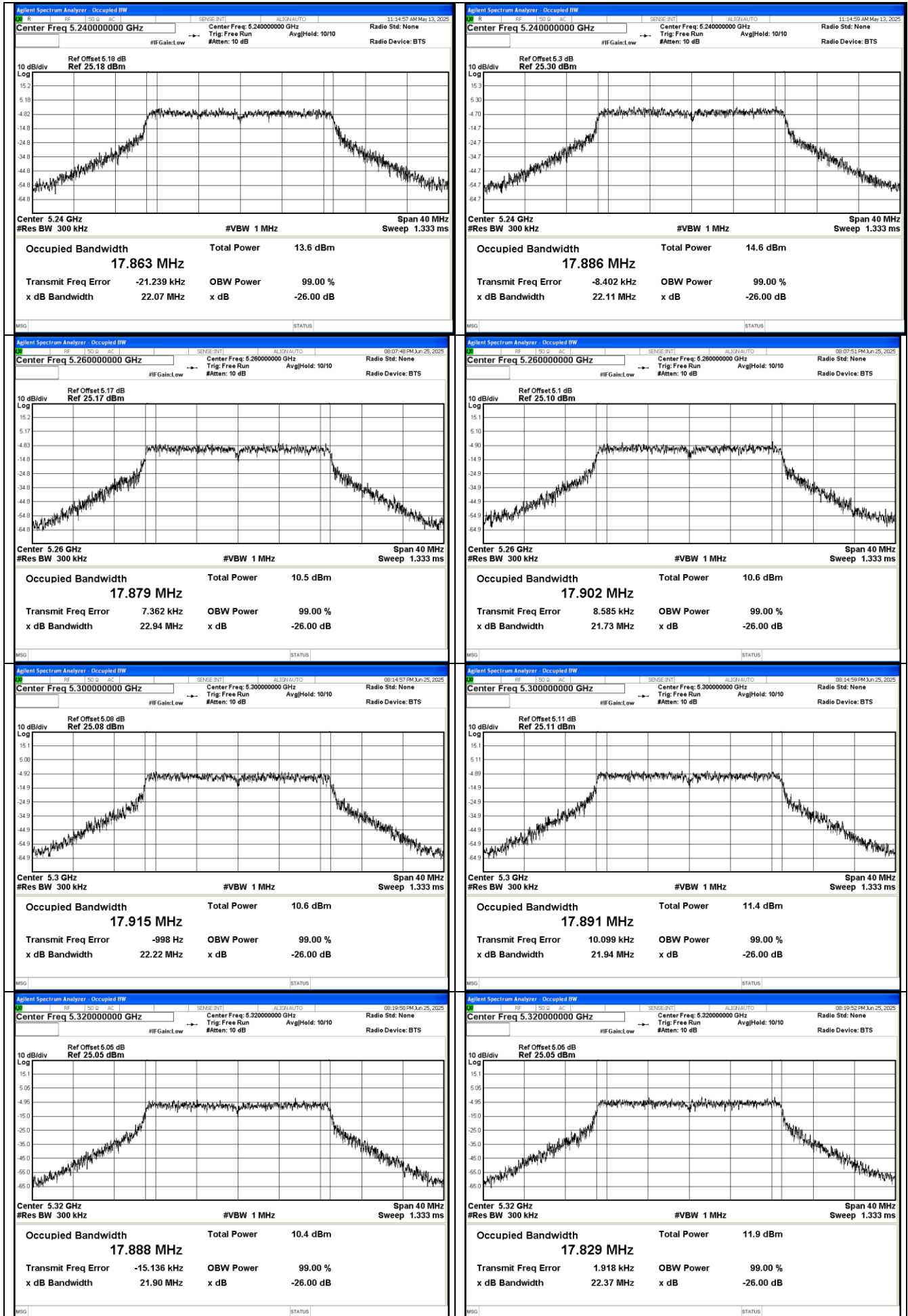


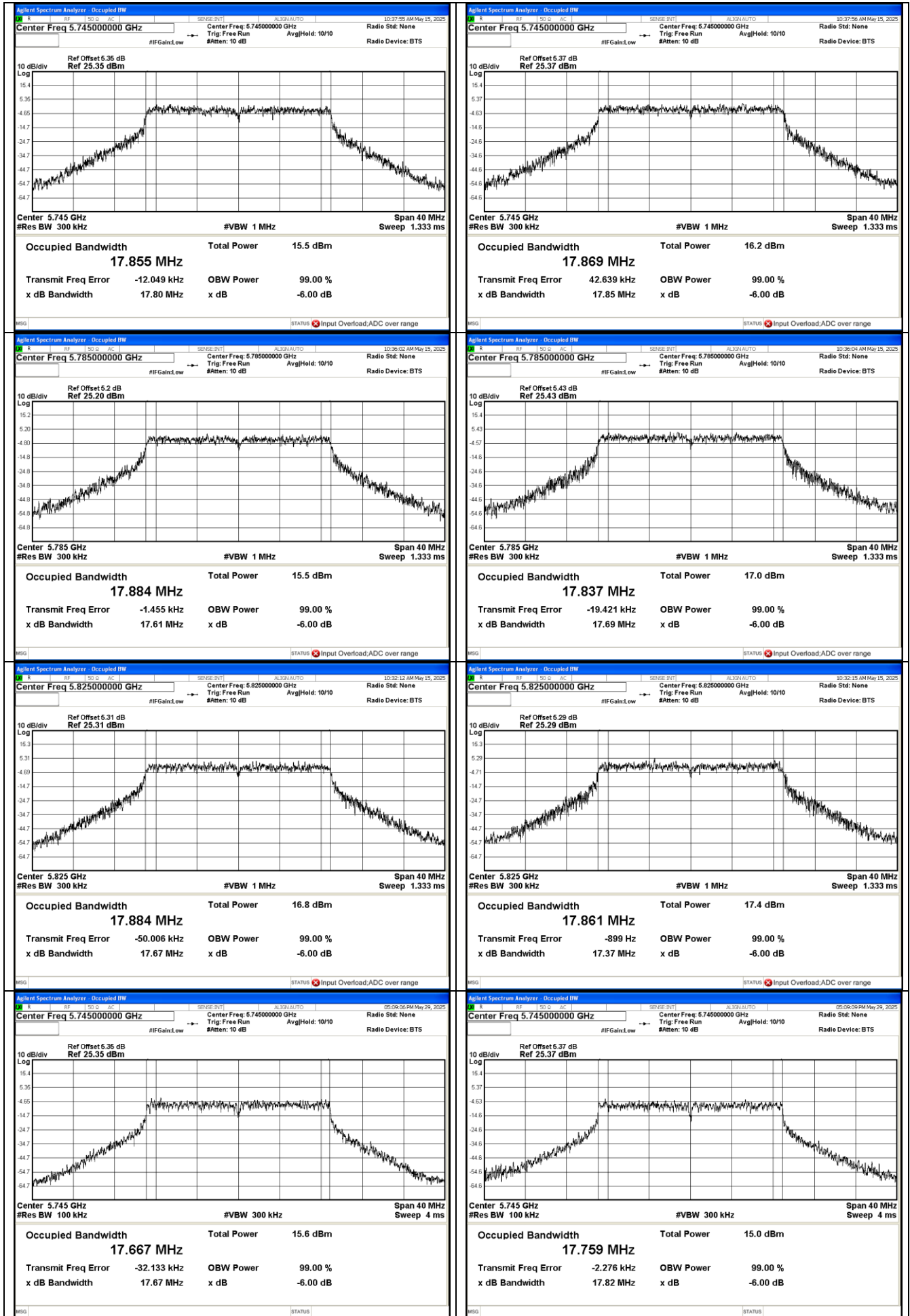
802.11n HT20 mode:

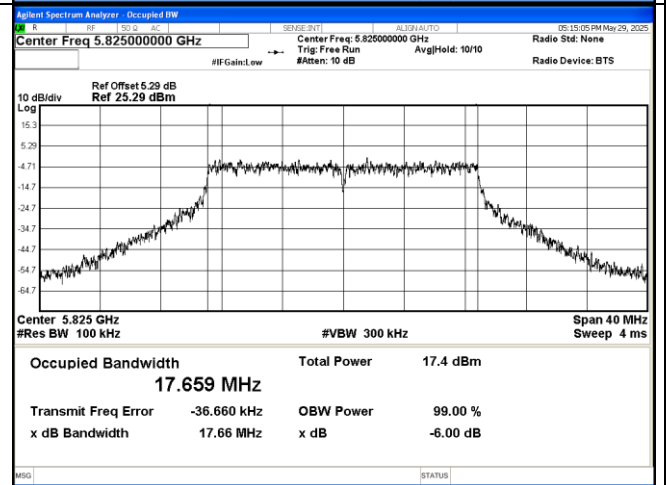
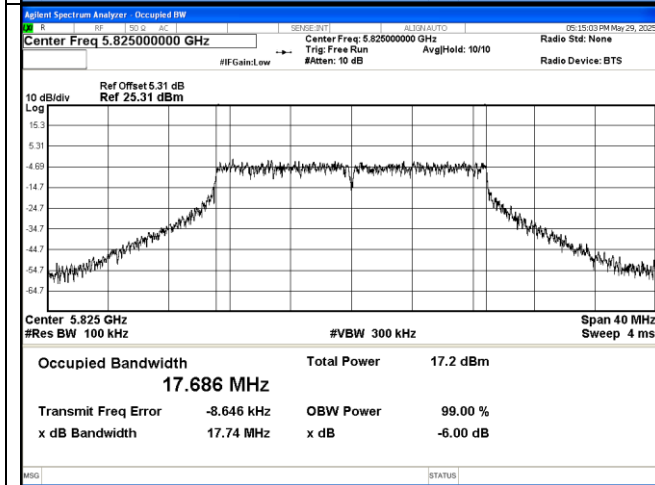
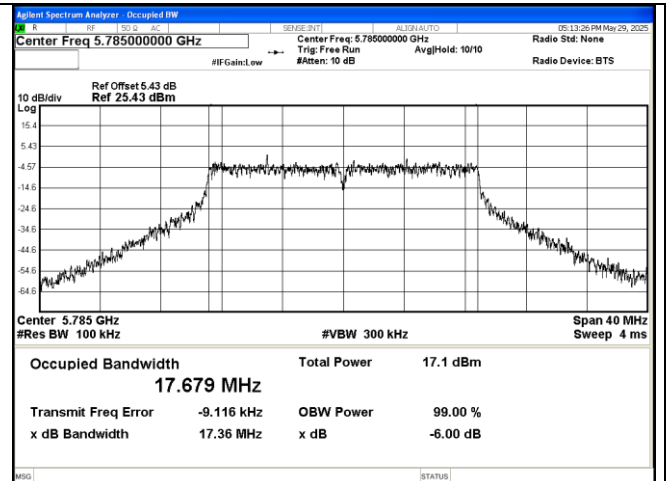
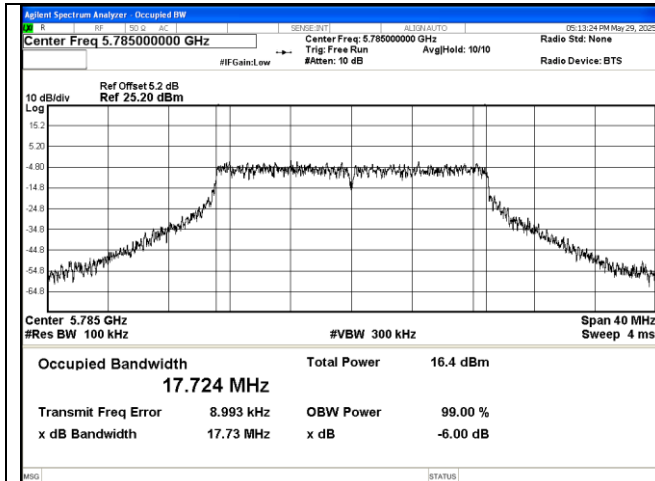
Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
36	5180	17.791	23.20	17.797	23.39
44	5200	17.859	21.87	17.921	22.71
48	5240	17.863	22.07	17.886	22.11
52	5260	17.879	22.94	17.902	21.73
56	5300	17.915	22.22	17.891	21.94
64	5320	17.888	21.90	17.829	22.37

Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth (MHz)
149	5745	17.855	17.67	17.869	17.82
157	5785	17.884	17.73	17.837	17.36
165	5825	17.884	17.74	17.861	17.66

ANT 1

ANT 2




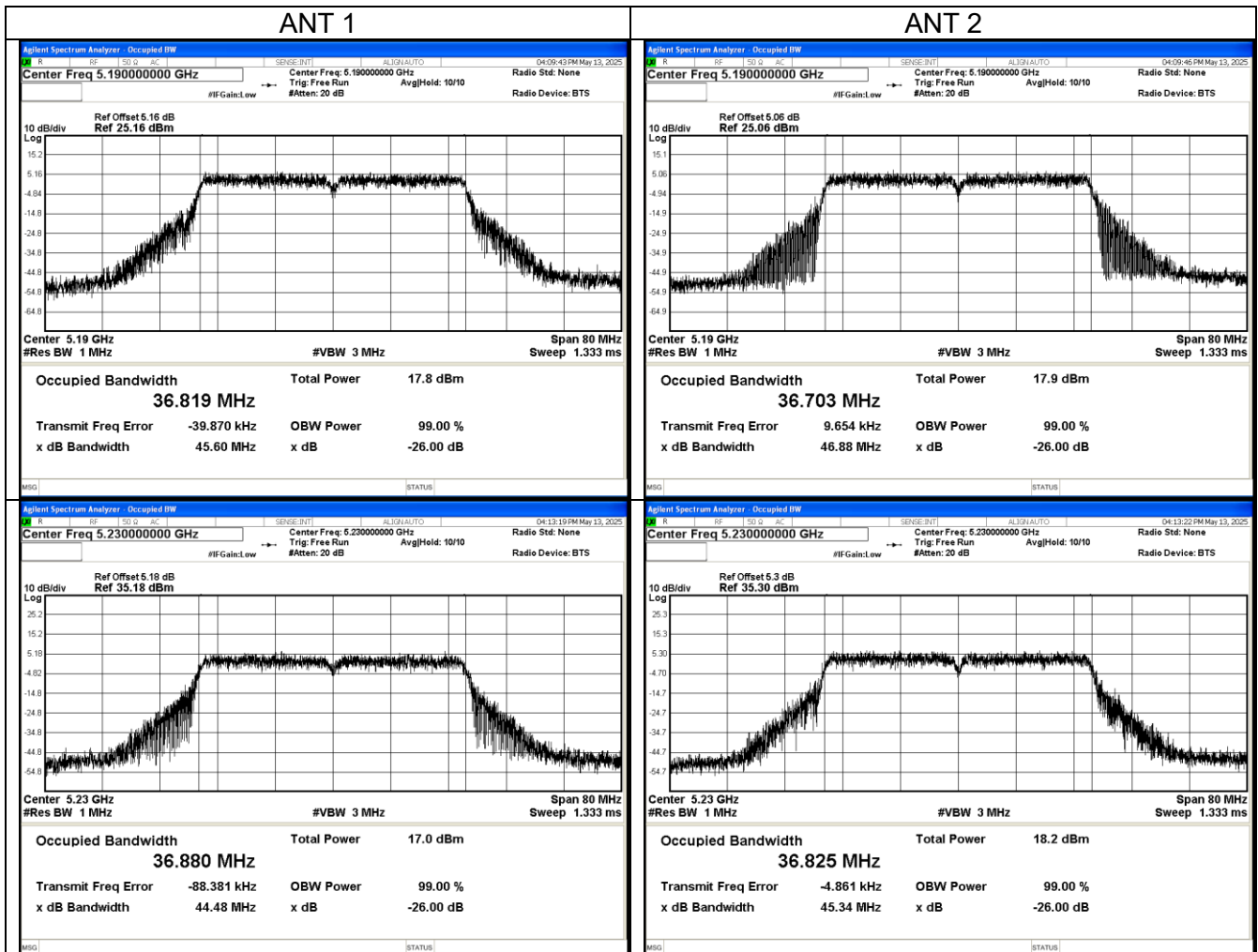


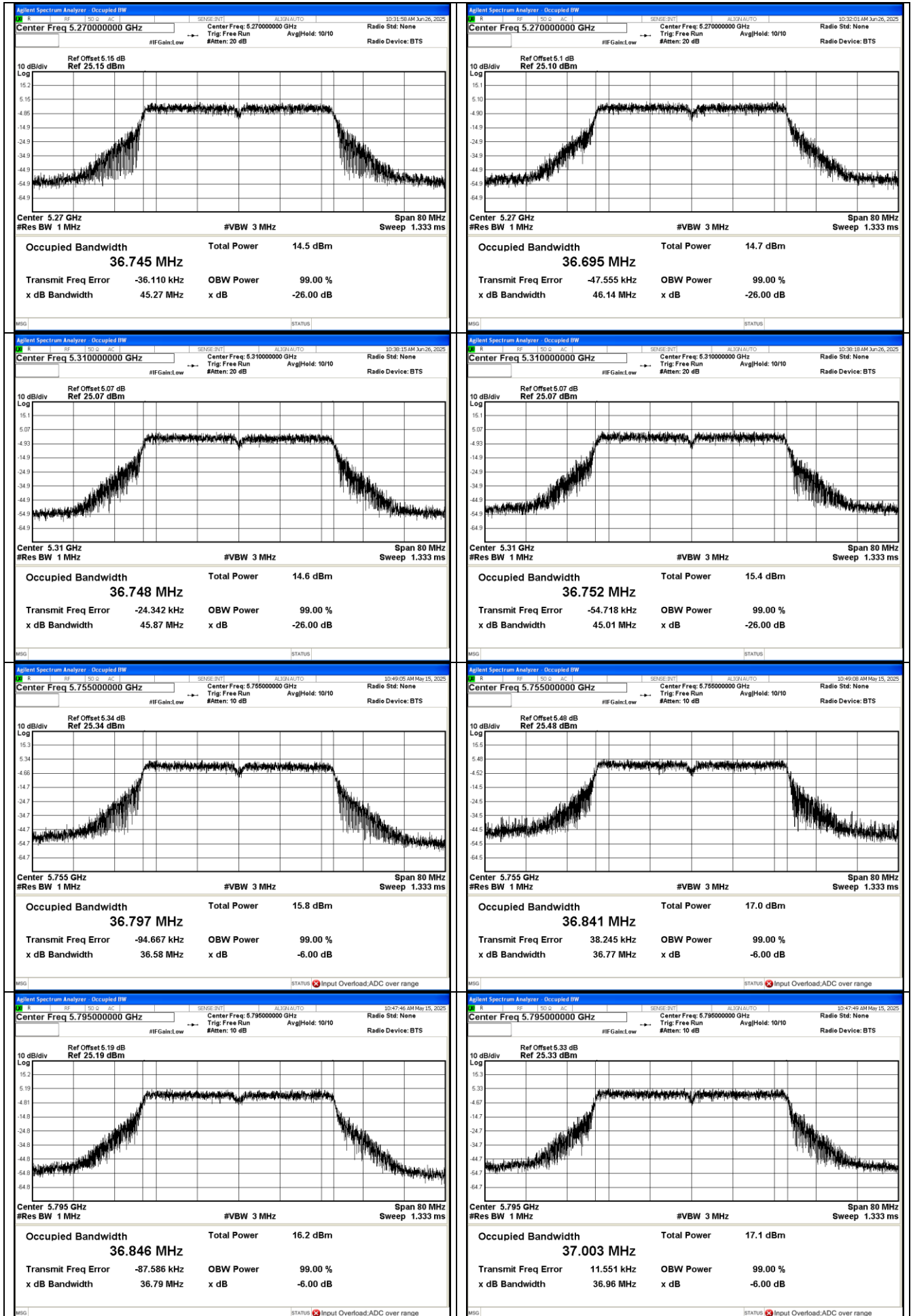


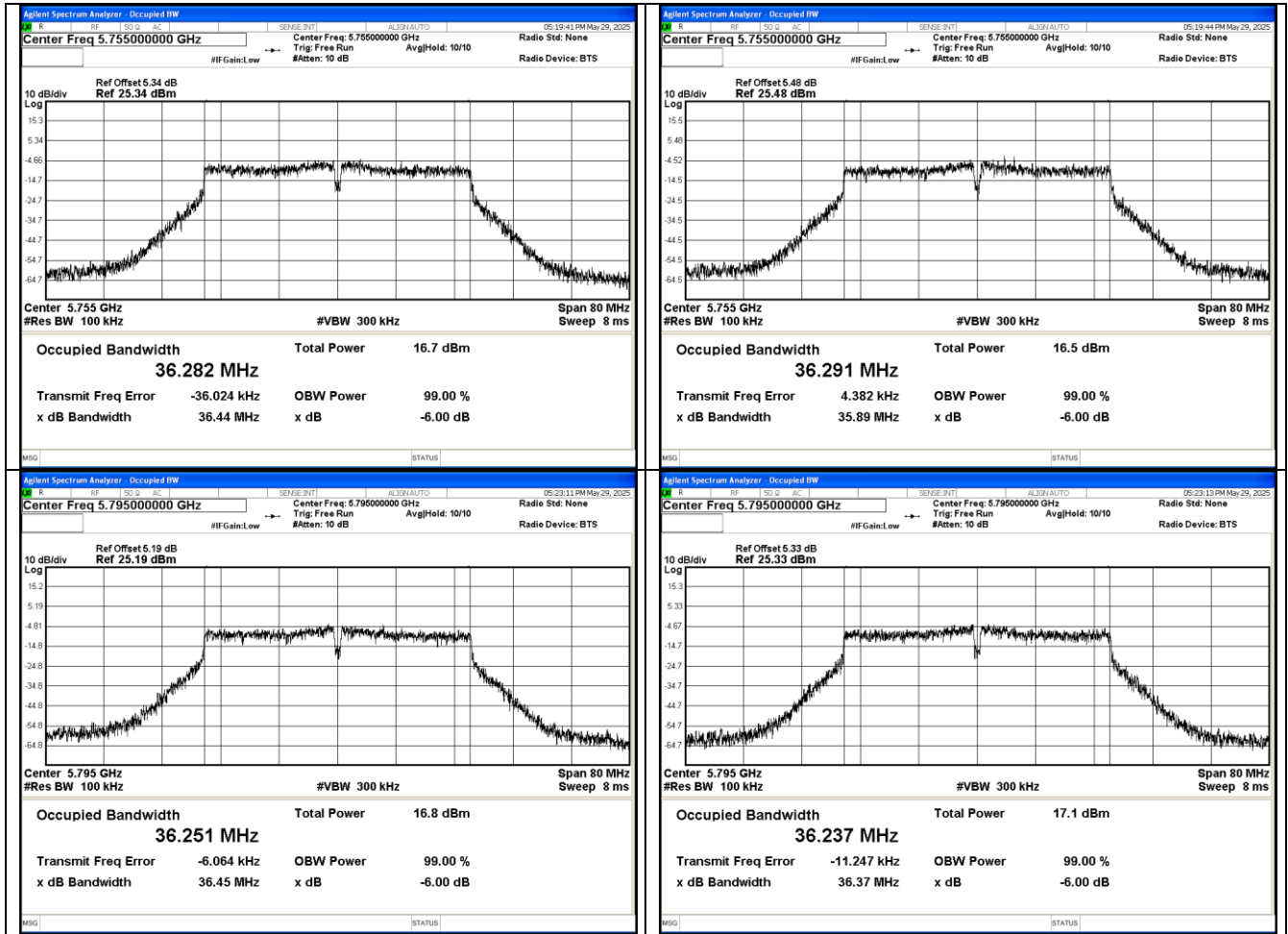
802.11n HT40 mode:

Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
38	5190	36.819	45.60	36.703	46.88
46	5230	36.880	44.48	36.825	45.34
54	5270	36.745	45.27	36.695	46.16
62	5310	36.748	45.87	36.752	45.01

Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth (MHz)
151	5755	36.797	36.44	36.841	35.89
159	5795	36.846	36.45	37.003	36.37



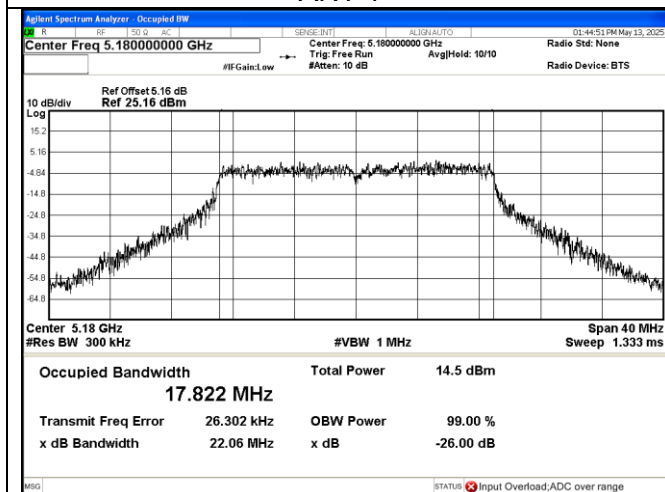




802.11ac VHT20 mode:

Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)	26dB Bandwidth (MHz)
36	5180	17.822	22.06	17.883	22.37
44	5200	17.868	21.87	17.851	22.57
48	5240	17.840	21.41	17.817	22.26
52	5260	17.901	22.17	17.827	21.77
56	5300	17.855	21.98	17.713	21.98
64	5320	17.866	22.60	17.807	22.02

Channel	Frequency (MHz)	ANT1 Emission Bandwidth		ANT2 Emission Bandwidth	
		99% Bandwidth (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth (MHz)
149	5745	17.826	17.70	17.660	16.32
157	5785	17.853	17.76	17.780	17.30
165	5825	17.786	17.64	17.868	17.73

ANT 1

ANT 2
