

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5500	99.66%	0	Fig.1
802.11a	5500	99.64%	0	Fig.2
802.11n HT20	5500	99.84%	0	Fig.3
802.11n HT20	5500	99.87%	0	Fig.4
802.11ac VHT20	5500	99.87%	0	Fig.5
802.11ac VHT20	5500	99.86%	0	Fig.6
802.11n HT40	5510	99.86%	0	Fig.7
802.11n HT40	5510	99.89%	0	Fig.8
802.11ac VHT40	5510	99.85%	0	Fig.9
802.11ac VHT40	5510	99.87%	0	Fig.10
802.11ac VHT80	5530	99.72%	0	Fig.11
802.11ac VHT80	5530	99.76%	0	Fig.12

Note: Correction Factor=10*log (1/Duty Cycle)

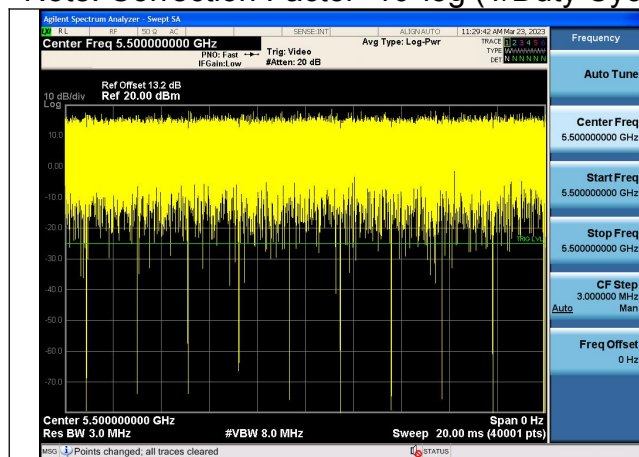


Fig.1

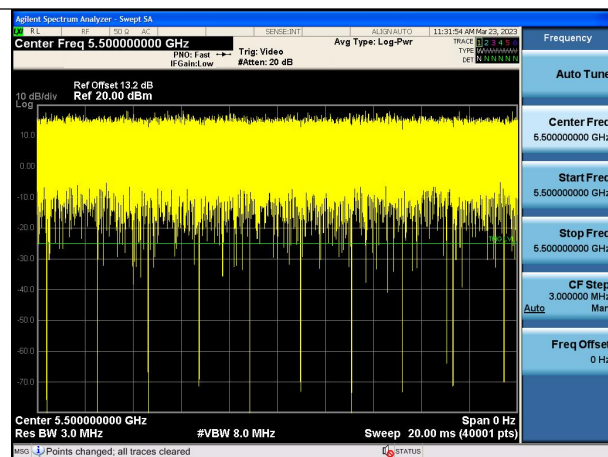


Fig.2

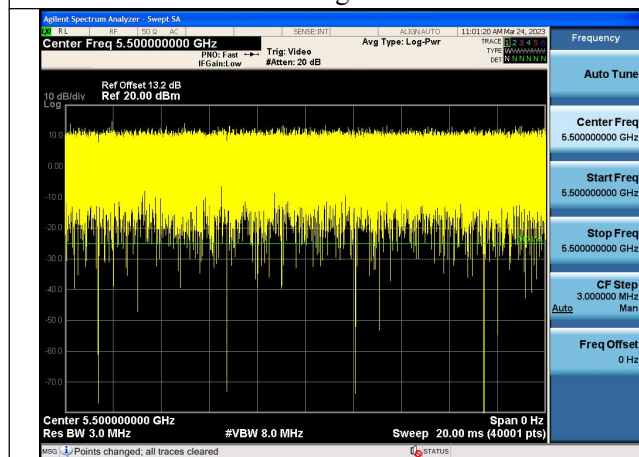


Fig.3

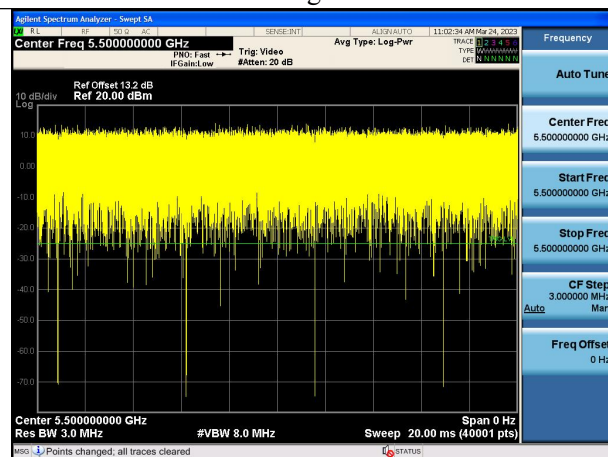


Fig.4

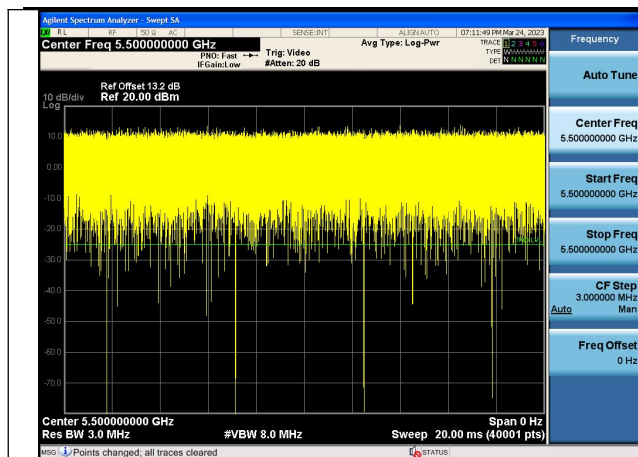


Fig.5

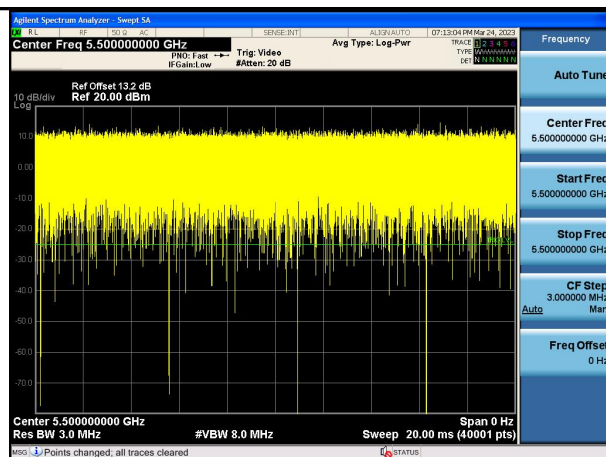


Fig.6

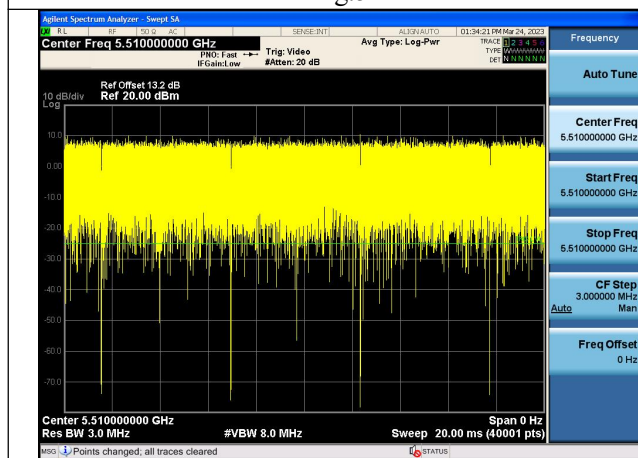


Fig.7

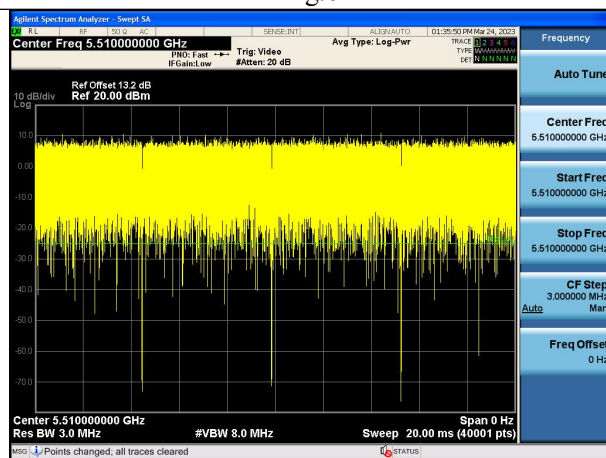


Fig.8

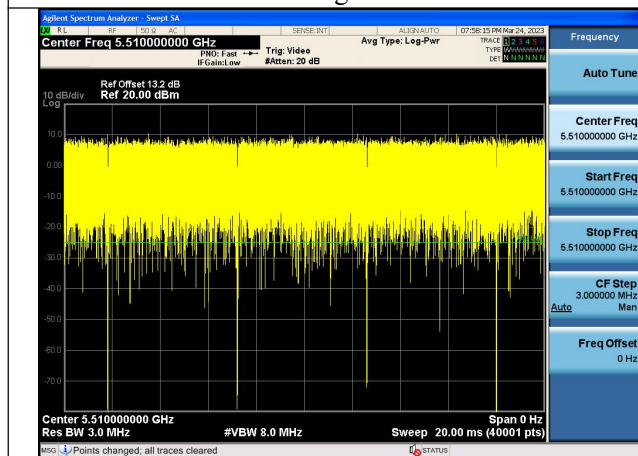


Fig.9

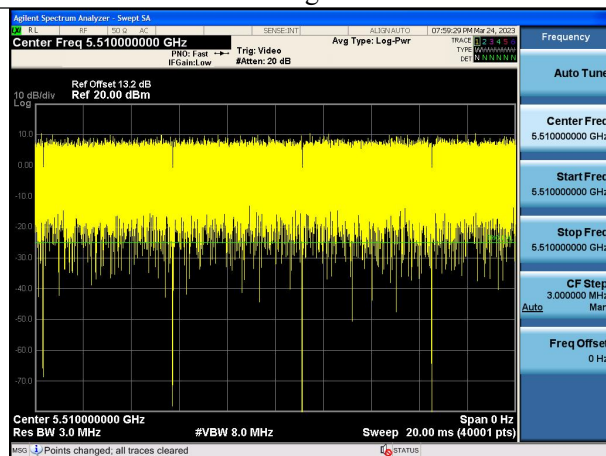


Fig.10



Fig.11

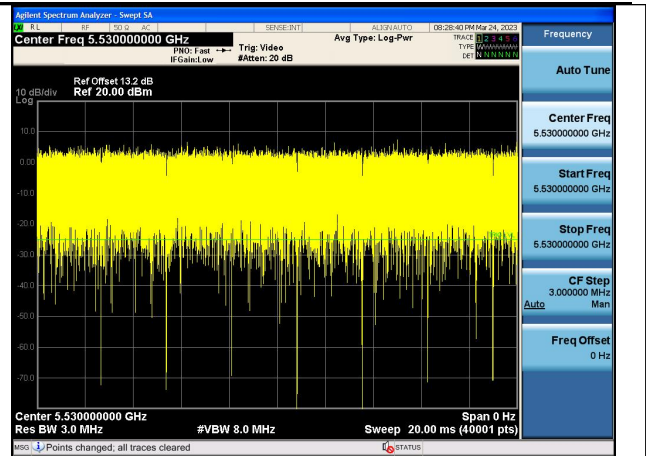


Fig.12

Output Power

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5500	Chain0	15.61	17.71
802.11a	NA	5500	Chain1	15.66	18.07
802.11a	NA	5580	Chain0	15.14	17.24
802.11a	NA	5580	Chain1	15.13	17.54
802.11a	NA	5700	Chain0	14.87	16.97
802.11a	NA	5700	Chain1	14.86	17.27
802.11n HT20	NA	5500	Chain0	11.76	13.86
802.11n HT20	NA	5500	Chain1	11.74	14.15
802.11n HT20	NA	5500	MIMO	14.76	17.02
802.11n HT20	NA	5580	Chain0	12.08	14.18
802.11n HT20	NA	5580	Chain1	12.13	14.54
802.11n HT20	NA	5580	MIMO	15.12	17.38
802.11n HT20	NA	5700	Chain0	11.87	13.97
802.11n HT20	NA	5700	Chain1	11.87	14.28
802.11n HT20	NA	5700	MIMO	14.88	17.14
802.11ac VHT20	NA	5500	Chain0	11.65	13.75
802.11ac VHT20	NA	5500	Chain1	11.64	14.05
802.11ac VHT20	NA	5500	MIMO	14.66	16.92
802.11ac VHT20	NA	5580	Chain0	11.94	14.04
802.11ac VHT20	NA	5580	Chain1	12.03	14.44
802.11ac VHT20	NA	5580	MIMO	15.00	17.26
802.11ac VHT20	NA	5700	Chain0	11.83	13.93
802.11ac VHT20	NA	5700	Chain1	11.87	14.28
802.11ac VHT20	NA	5700	MIMO	14.86	17.12
802.11n HT40	NA	5510	Chain0	11.74	13.84
802.11n HT40	NA	5510	Chain1	11.76	14.17
802.11n HT40	NA	5510	MIMO	14.76	17.02
802.11n HT40	NA	5590	Chain0	11.67	13.77
802.11n HT40	NA	5590	Chain1	11.71	14.12
802.11n HT40	NA	5590	MIMO	14.70	16.96
802.11n HT40	NA	5670	Chain0	11.61	13.71
802.11n HT40	NA	5670	Chain1	11.63	14.04
802.11n HT40	NA	5670	MIMO	14.63	16.89
802.11ac VHT40	NA	5510	Chain0	11.76	13.86
802.11ac VHT40	NA	5510	Chain1	11.84	14.25
802.11ac VHT40	NA	5510	MIMO	14.81	17.07
802.11ac VHT40	NA	5590	Chain0	11.74	13.84
802.11ac VHT40	NA	5590	Chain1	11.82	14.23
802.11ac VHT40	NA	5590	MIMO	14.79	17.05
802.11ac VHT40	NA	5670	Chain0	11.62	13.72
802.11ac VHT40	NA	5670	Chain1	11.68	14.09
802.11ac VHT40	NA	5670	MIMO	14.66	16.92

802.11ac VHT80	NA	5530	Chain0	10.45	12.55
802.11ac VHT80	NA	5530	Chain1	10.49	12.90
802.11ac VHT80	NA	5530	MIMO	13.48	15.74

Emission Bandwidth

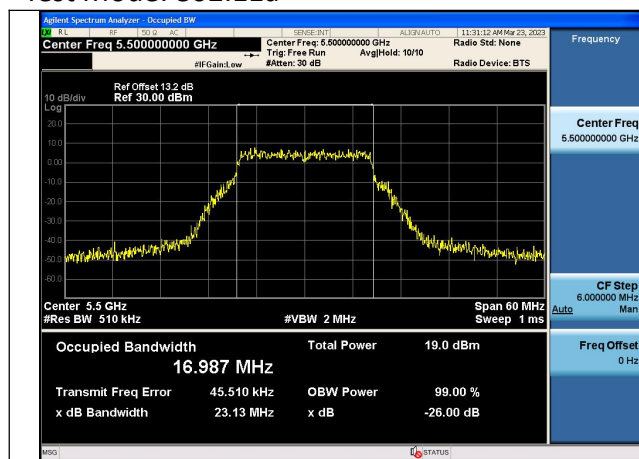
Offset 13.2dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.618	Channel No.634	Channel No.658
		5500MHz	5580MHz	5700MHz
802.11a	Chain0	23.13	22.49	22.92
802.11a	Chain1	23.09	22.26	21.85
802.11n HT20	Chain0	23.39	23.96	22.77
802.11n HT20	Chain1	22.43	23.01	23.77
802.11ac VHT20	Chain0	23.07	23.54	23.29
802.11ac VHT20	Chain1	23.70	22.96	23.72

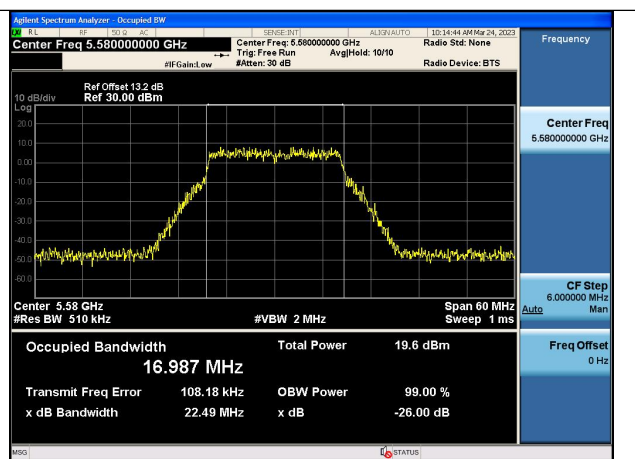
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.620	Channel No.636	Channel No.652
		5510MHz	5590MHz	5670MHz
802.11n HT40	Chain0	44.50	44.85	44.97
802.11n HT40	Chain1	43.66	43.63	45.02
802.11ac VHT40	Chain0	43.96	44.22	45.91
802.11ac VHT40	Chain1	44.11	43.72	43.38

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.624	---	Channel No.640
		5530MHz	---	5610MHz
802.11ac VHT80	Chain0	87.77	---	87.90
802.11ac VHT80	Chain1	89.38	---	88.21

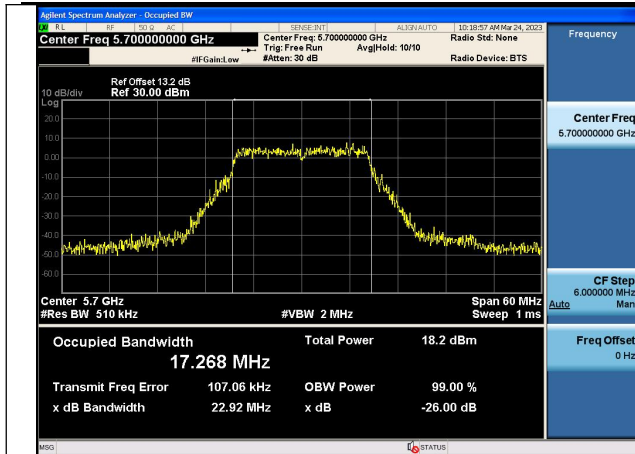
Test Mode: 802.11a



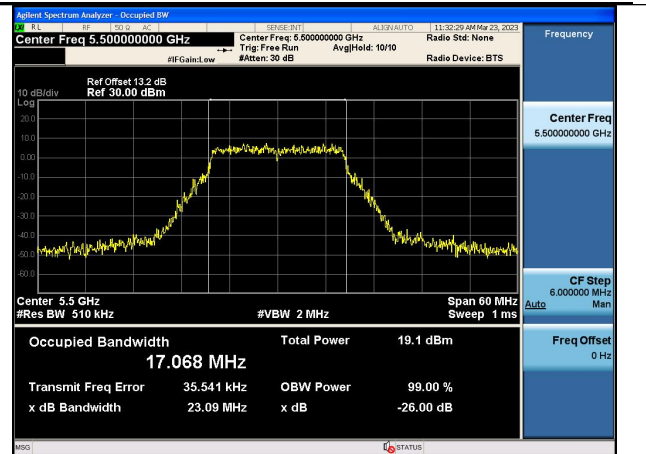
Test Mode:802.11a 5500MHz Chain0



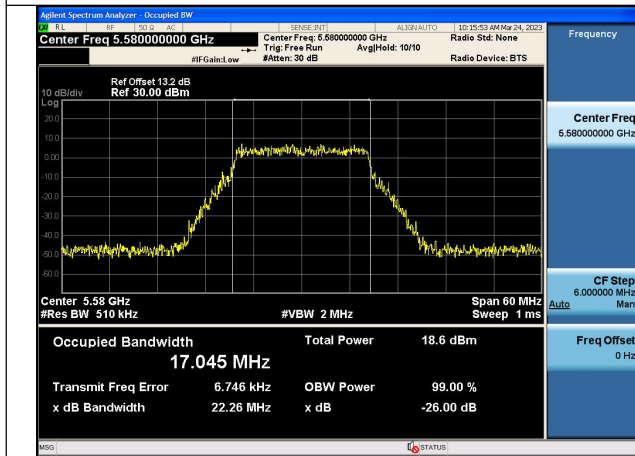
Test Mode:802.11a 5580MHz Chain0



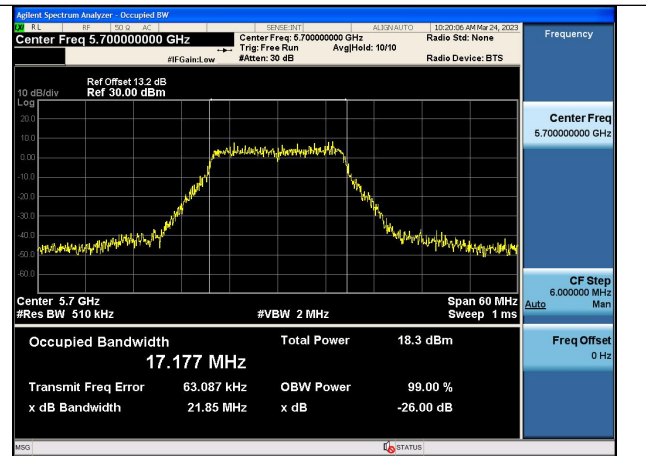
Test Mode:802.11a 5700MHz Chain0



Test Mode:802.11a 5500MHz Chain1

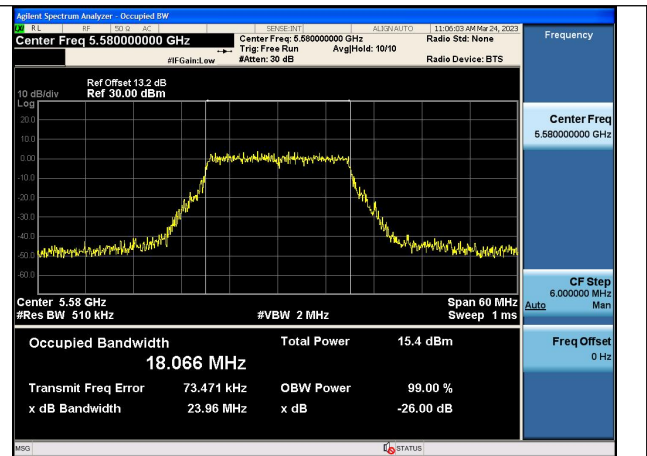
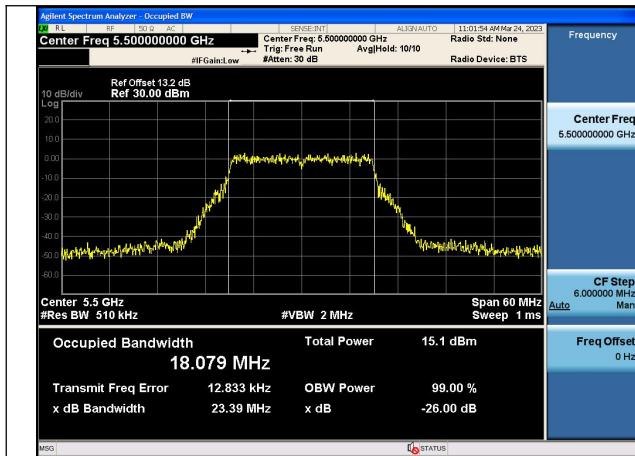


Test Mode:802.11a 5580MHz Chain1

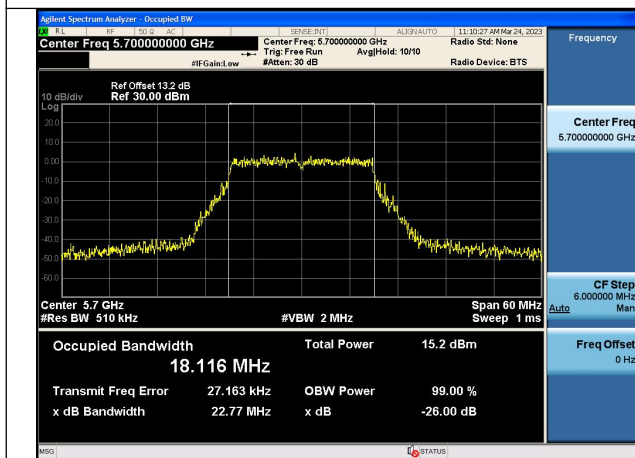


Test Mode:802.11a 5700MHz Chain1

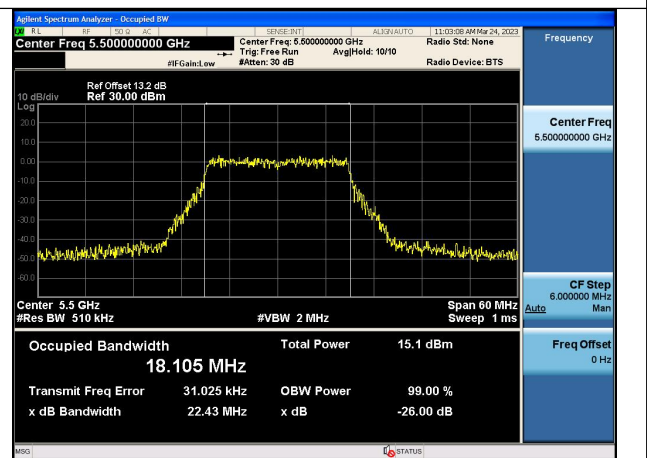
Test Mode: 802.11n HT20



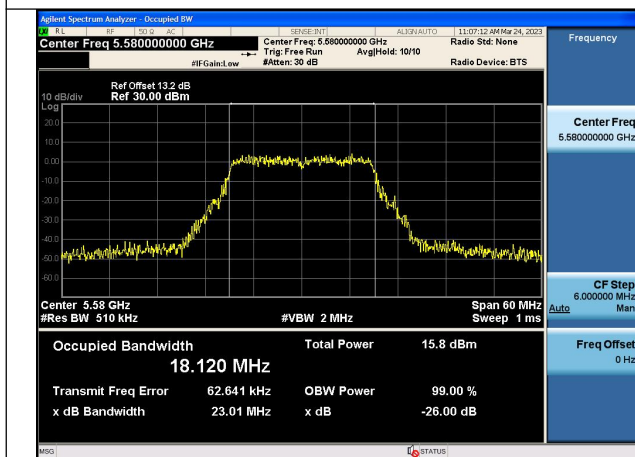
Test Mode:802.11n HT20 5500MHz Chain0



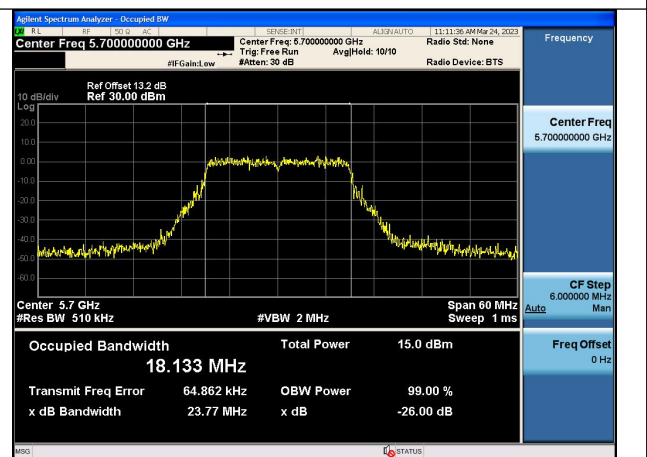
Test Mode:802.11n HT20 5580MHz Chain0



Test Mode:802.11n HT20 5700MHz Chain0



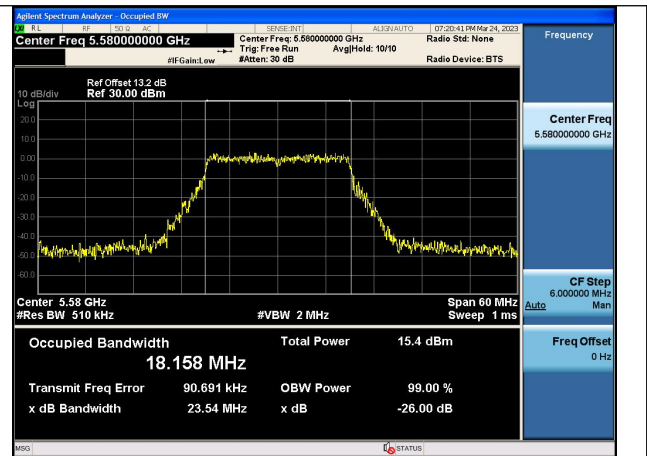
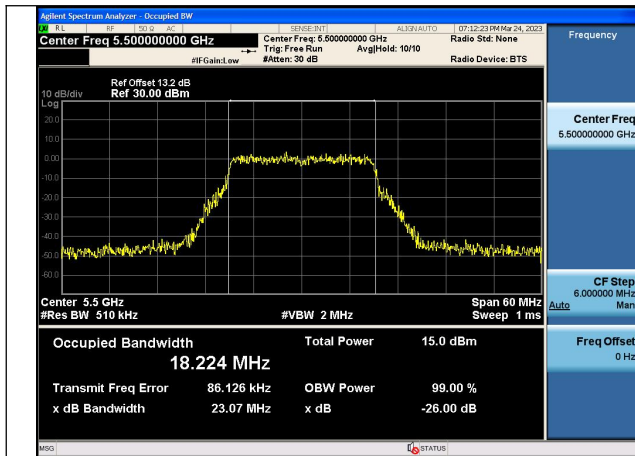
Test Mode:802.11n HT20 5500MHz Chain1



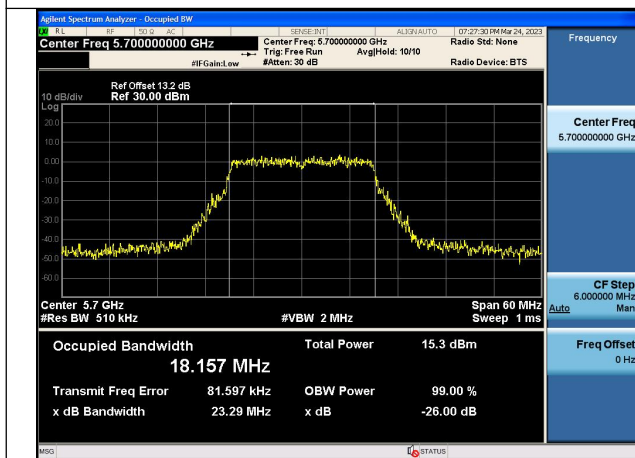
Test Mode:802.11n HT20 5580MHz Chain1

Test Mode:802.11n HT20 5700MHz Chain1

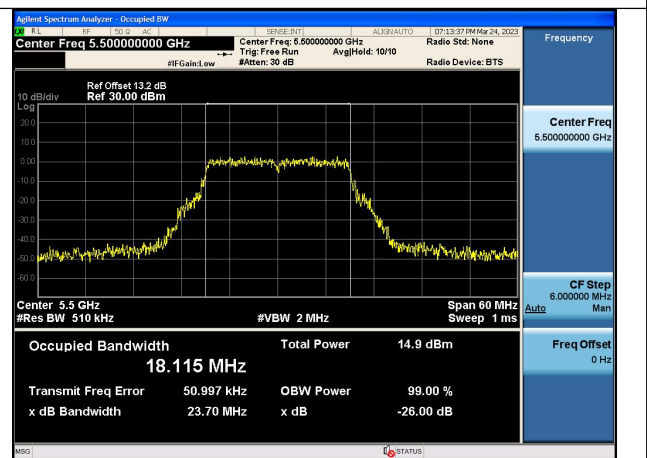
Test Mode: 802.11ac VHT20



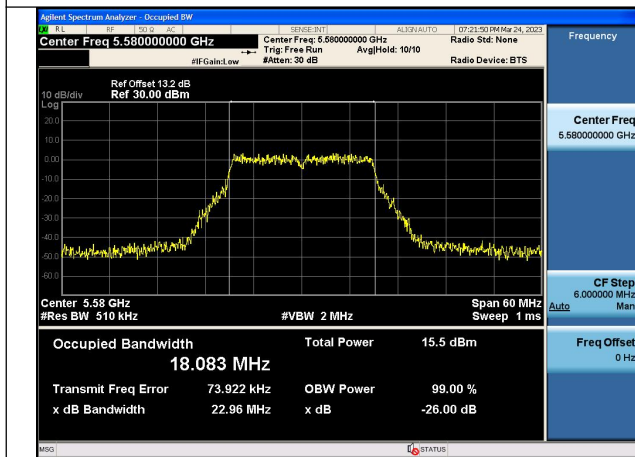
Test Mode:802.11ac VHT20 5500MHz Chain0



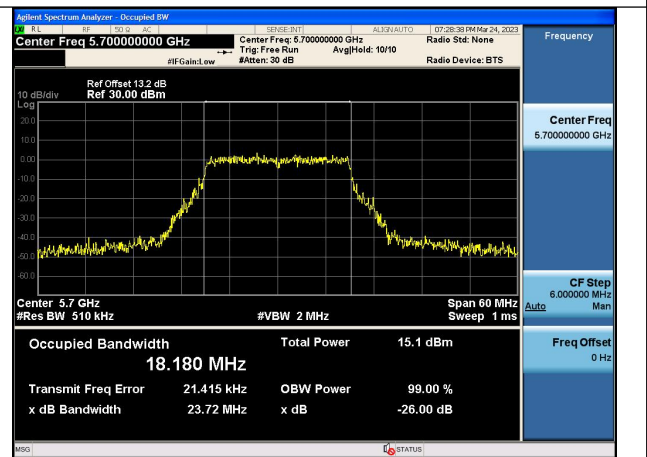
Test Mode:802.11ac VHT20 5580MHz Chain0



Test Mode:802.11ac VHT20 5700MHz Chain0



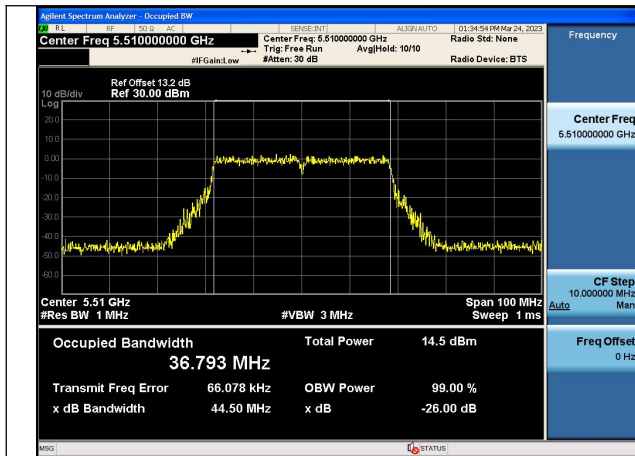
Test Mode:802.11ac VHT20 5500MHz Chain1



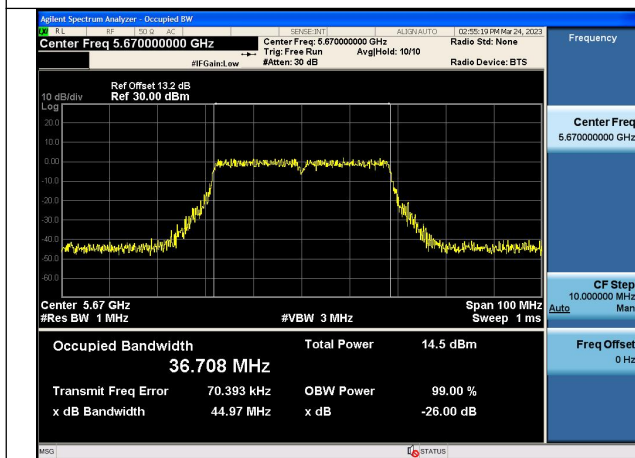
Test Mode:802.11ac VHT20 5580MHz Chain1

Test Mode:802.11ac VHT20 5700MHz Chain1

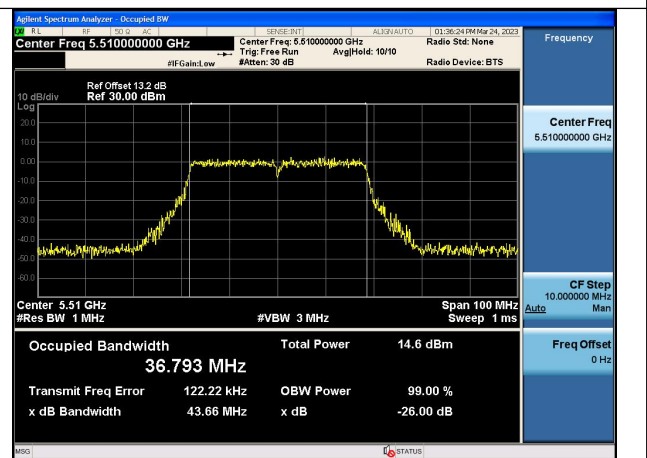
Test Mode: 802.11n HT40



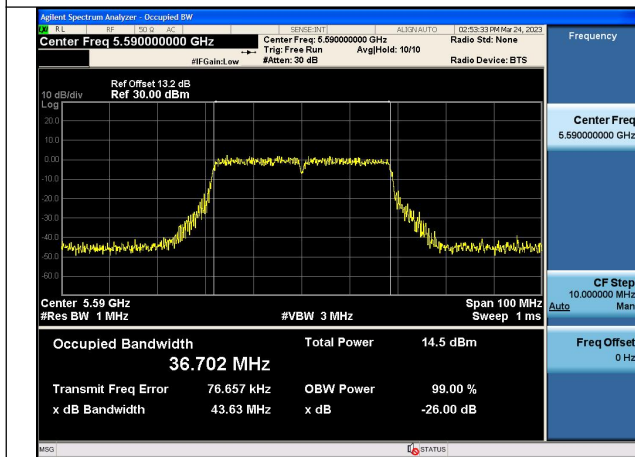
Test Mode:802.11n HT40 5510MHz Chain0



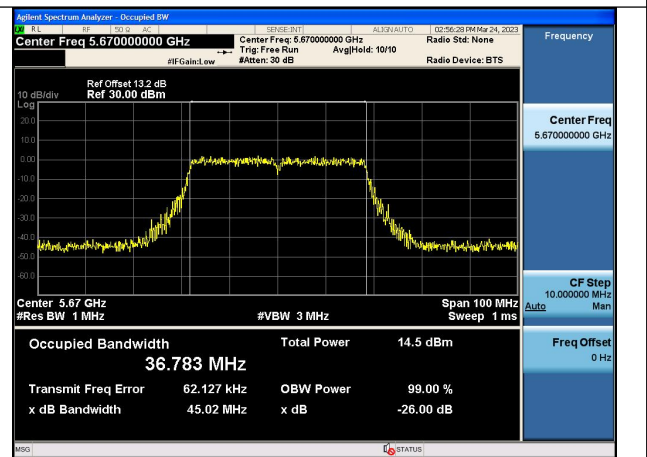
Test Mode:802.11n HT40 5590MHz Chain0



Test Mode:802.11n HT40 5670MHz Chain0



Test Mode:802.11n HT40 5510MHz Chain1



Test Mode:802.11n HT40 5590MHz Chain1

Test Mode:802.11n HT40 5670MHz Chain1