APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5500	98.70%	0	Fig.1
802.11n HT20	5500	99.55%	0	Fig.2
802.11ac VHT20	5500	99.64%	0	Fig.3
802.11ax HE20	5500	99.85%	0	Fig.4
802.11n HT40	5510	99.87%	0	Fig.5
802.11ac VHT40	5510	99.85%	0	Fig.6
802.11ax HE40	5510	99.83%	0	Fig.7

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

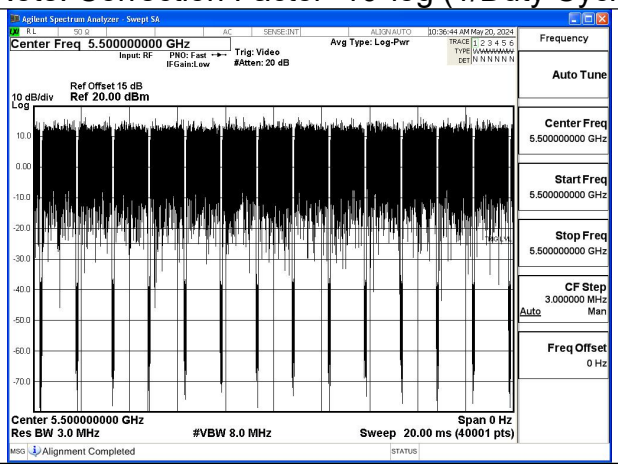


Fig.1

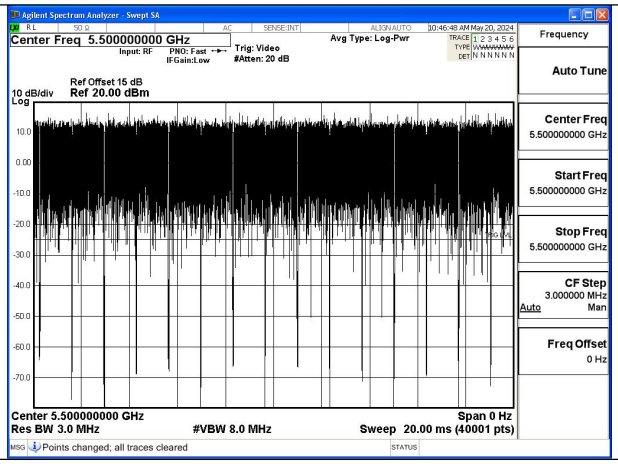


Fig.2

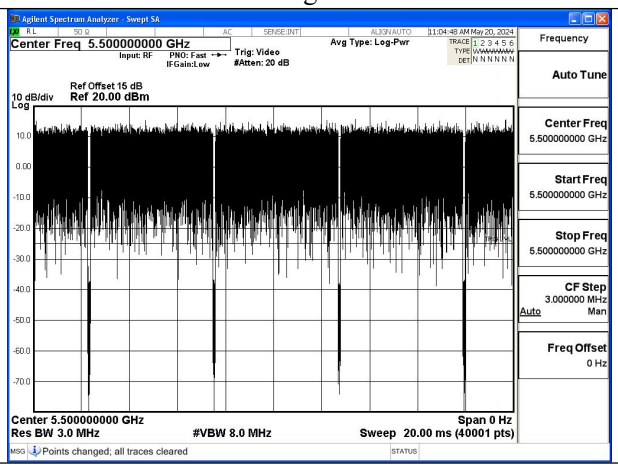


Fig.3

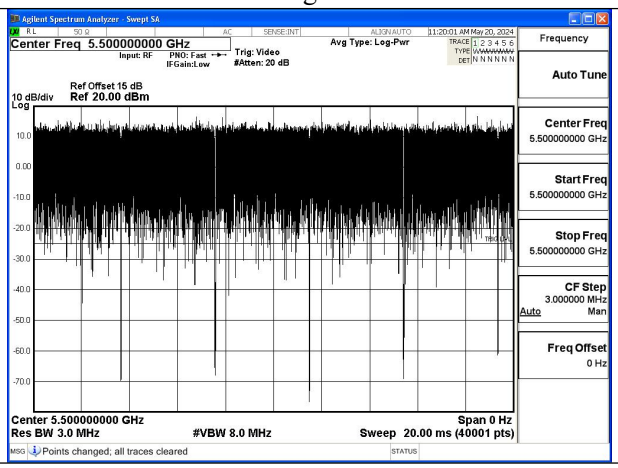


Fig.4

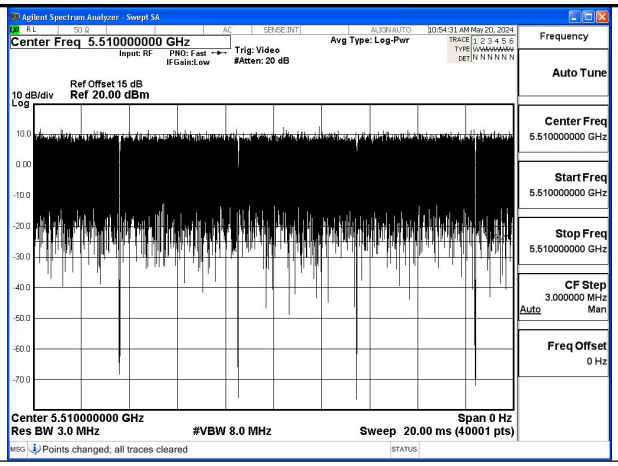


Fig.5

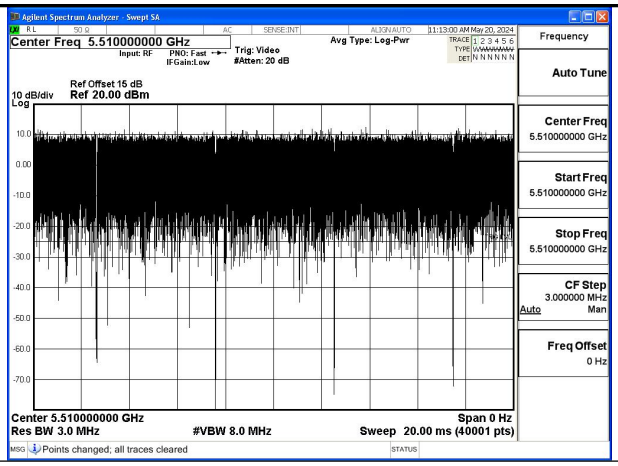


Fig.6

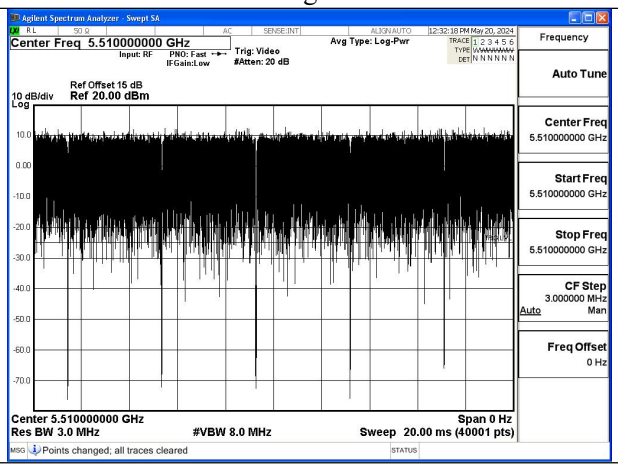


Fig.7

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5500	Chain0	12.73	14.54
802.11a	NA	5580	Chain0	12.77	14.58
802.11a	NA	5700	Chain0	14.14	15.95
802.11n HT20	NA	5500	Chain0	12.78	14.59
802.11n HT20	NA	5580	Chain0	12.76	14.57
802.11n HT20	NA	5700	Chain0	14.21	16.02
802.11ac VHT20	NA	5500	Chain0	13.25	15.06
802.11ac VHT20	NA	5580	Chain0	13.29	15.10
802.11ac VHT20	NA	5700	Chain0	14.78	16.59
802.11n HT40	NA	5510	Chain0	12.81	14.62
802.11n HT40	NA	5590	Chain0	13.28	15.09
802.11n HT40	NA	5670	Chain0	13.81	15.62
802.11ac VHT40	NA	5510	Chain0	13.34	15.15
802.11ac VHT40	NA	5590	Chain0	13.13	14.94
802.11ac VHT40	NA	5670	Chain0	14.20	16.01

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11ax HE20	242T 61	5500	Chain0	13.22	15.03
802.11ax HE20	242T 61	5580	Chain0	12.90	14.71
802.11ax HE20	242T 61	5700	Chain0	14.11	15.92
802.11ax HE40	484T 65	5510	Chain0	12.83	14.64
802.11ax HE40	484T 65	5670	Chain0	13.58	15.39

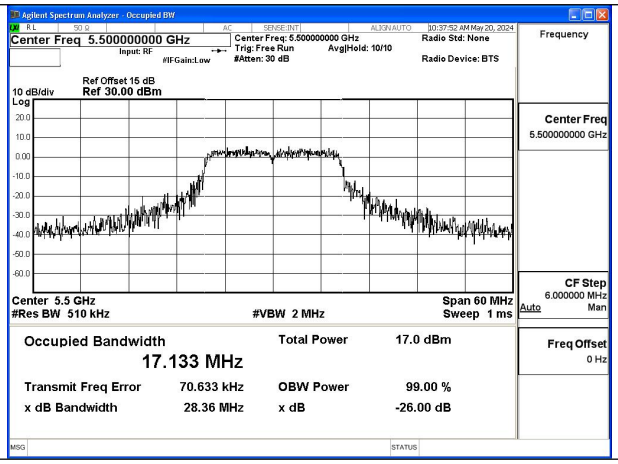
Emission Bandwidth

Offset 15dB = Attenuator + Temporary antenna connector loss + Cable loss

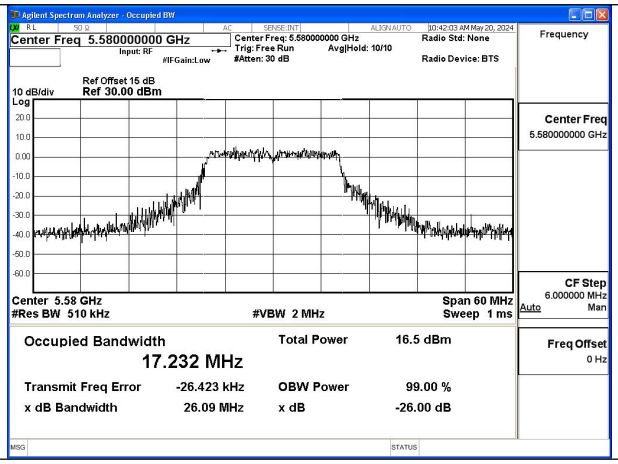
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5500MHz	5580MHz	5700MHz
802.11a	Chain0	28.36	26.09	25.54
802.11n HT20	Chain0	27.06	28.81	27.17
802.11ac VHT20	Chain0	26.80	27.69	27.14
802.11ax HE20	Chain0	25.48	24.00	24.41

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5510MHz	5590MHz	5670MHz
802.11n HT40	Chain0	46.59	46.08	47.18
802.11ac VHT40	Chain0	45.89	44.82	47.03
802.11ax HE40	Chain0	48.26	47.36	43.72

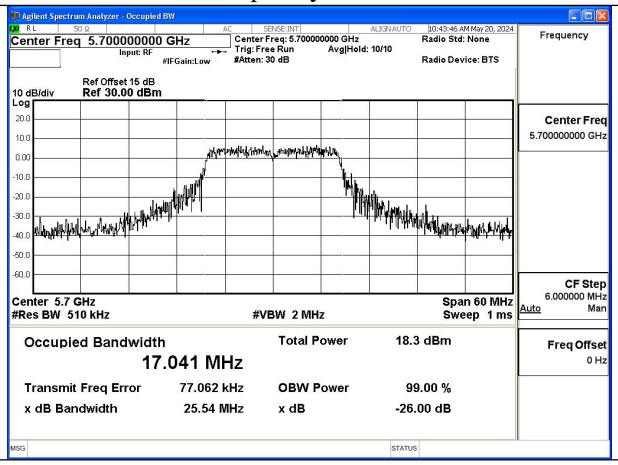
Test Mode: 802.11a



Mode:802.11a Frequency:5500MHz Ant:Chain0

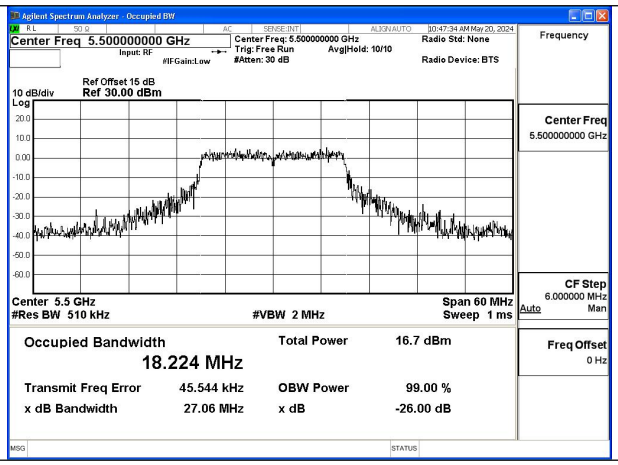


Mode:802.11a Frequency:5580MHz Ant:Chain0

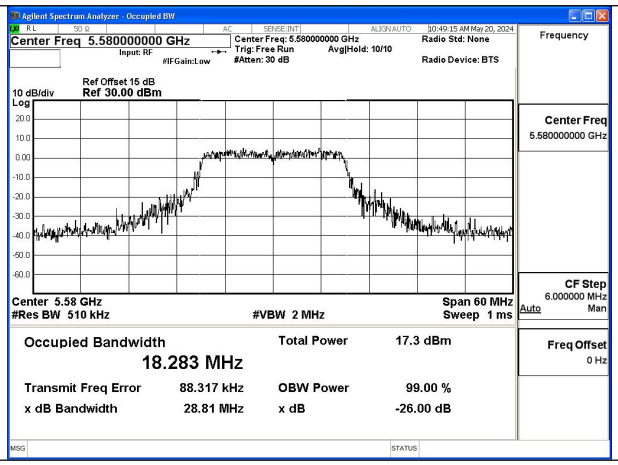


Mode:802.11a Frequency:5700MHz Ant:Chain0

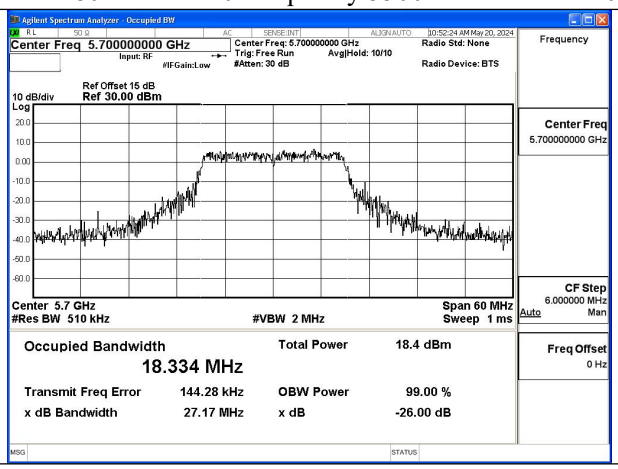
Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:5500MHz Ant:Chain0

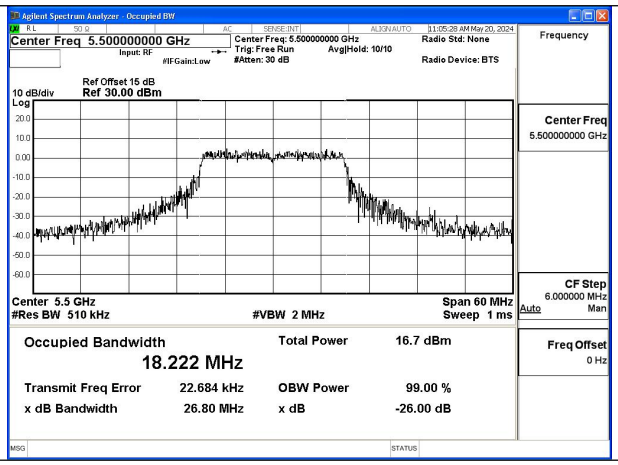


Mode:802.11n HT20 Frequency:5580MHz Ant:Chain0

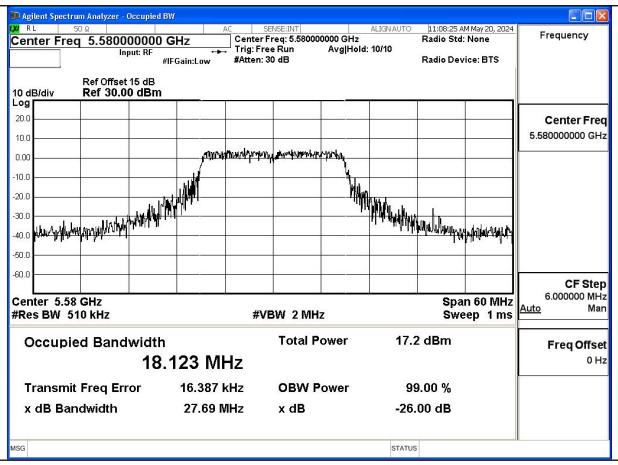


Mode:802.11n HT20 Frequency:5700MHz Ant:Chain0

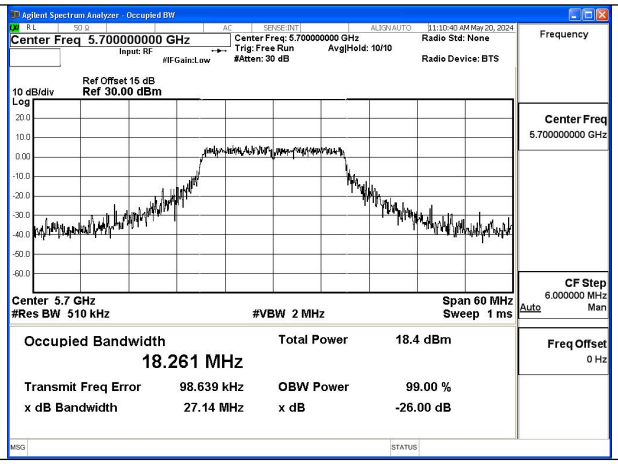
Test Mode: 802.11ac VHT20



Mode:802.11ac VHT20 Frequency:5500MHz
Ant:Chain0

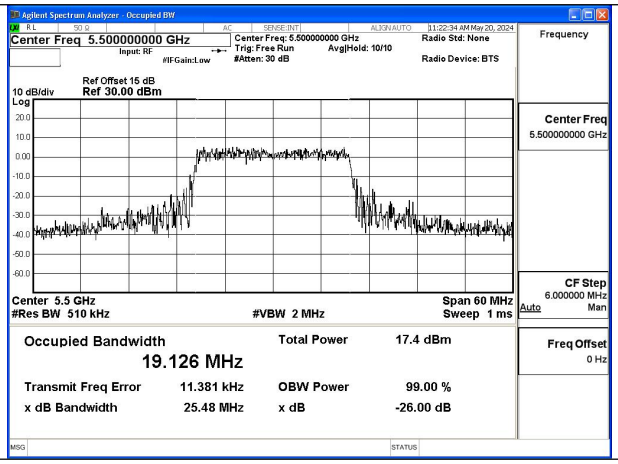


Mode:802.11ac VHT20 Frequency:5580MHz
Ant:Chain0

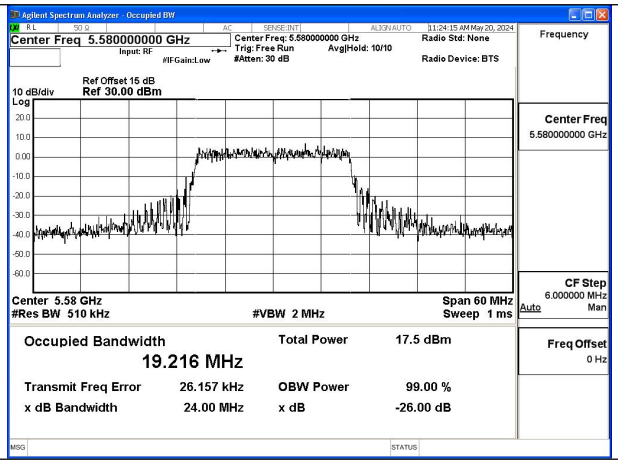


Mode:802.11ac VHT20 Frequency:5700MHz
Ant:Chain0

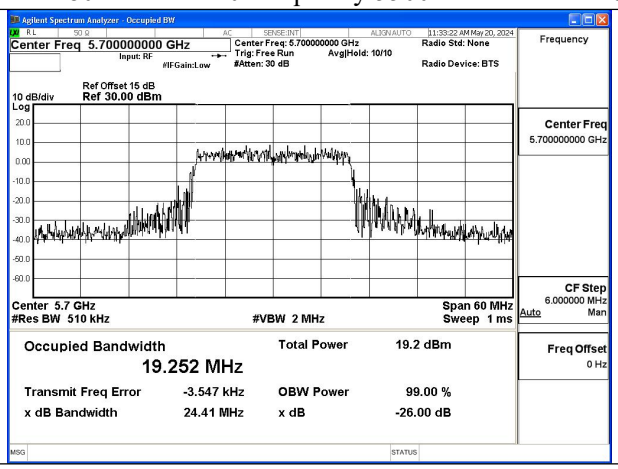
Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Frequency:5500MHz Ant:Chain0

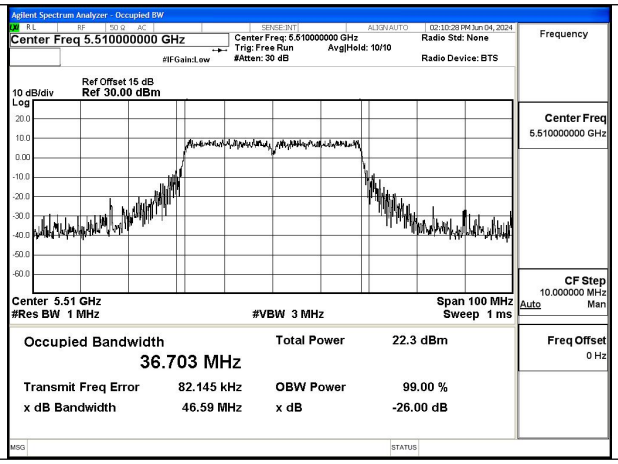


Mode:802.11ax HE20 Frequency:5580MHz Ant:Chain0

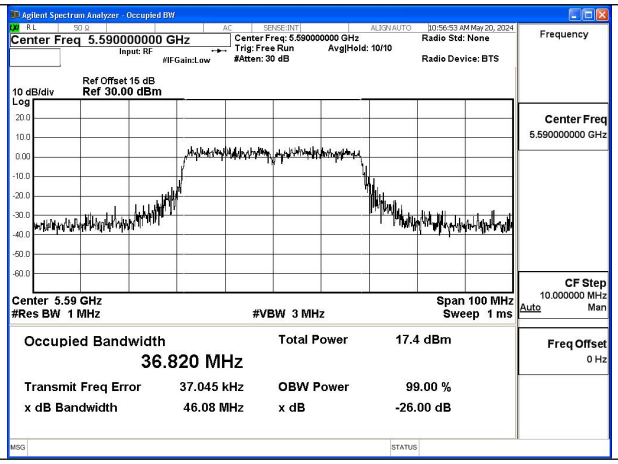


Mode:802.11ax HE20 Frequency:5700MHz Ant:Chain0

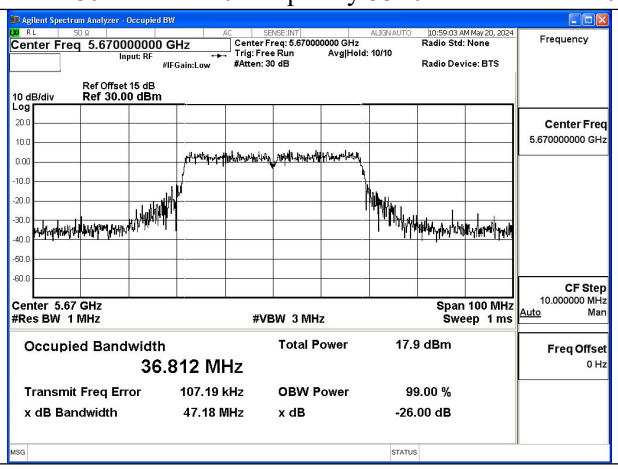
Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5510MHz Ant:Chain0

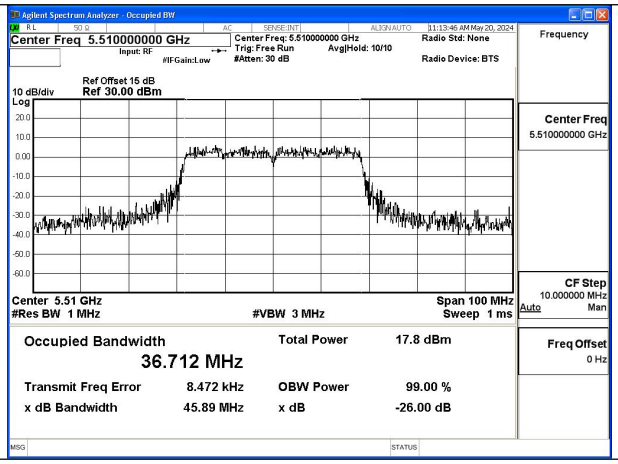


Mode:802.11n HT40 Frequency:5590MHz Ant:Chain0

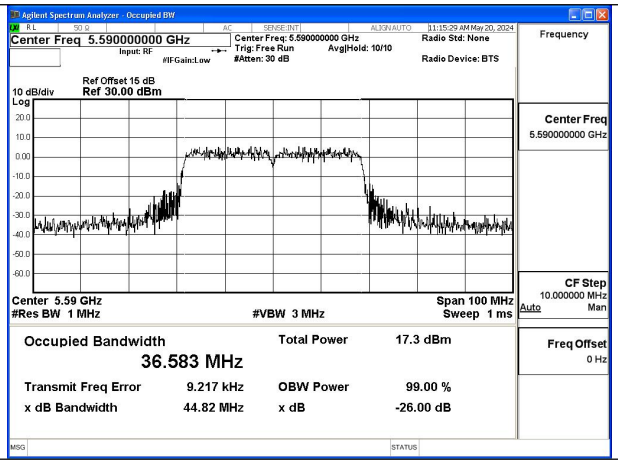


Mode:802.11n HT40 Frequency:5670MHz Ant:Chain0

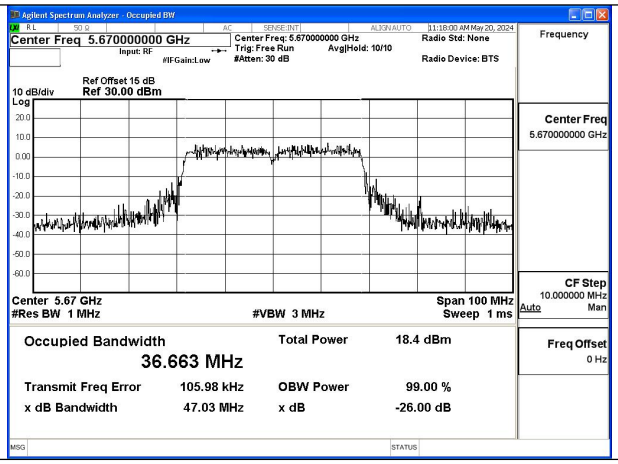
Test Mode: 802.11ac VHT40



Mode:802.11ac VHT40 Frequency:5510MHz
Ant:Chain0

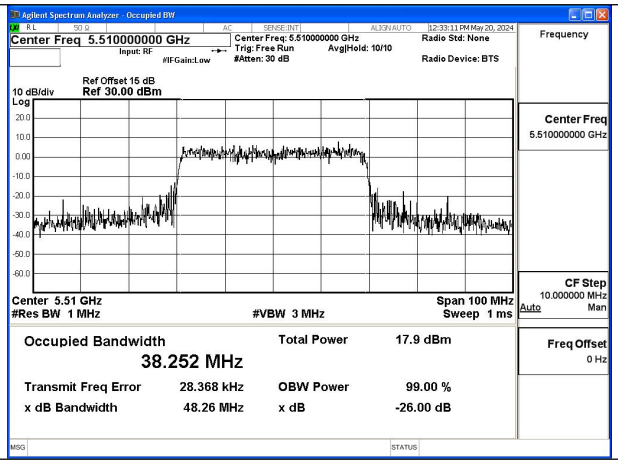


Mode:802.11ac VHT40 Frequency:5590MHz
Ant:Chain0

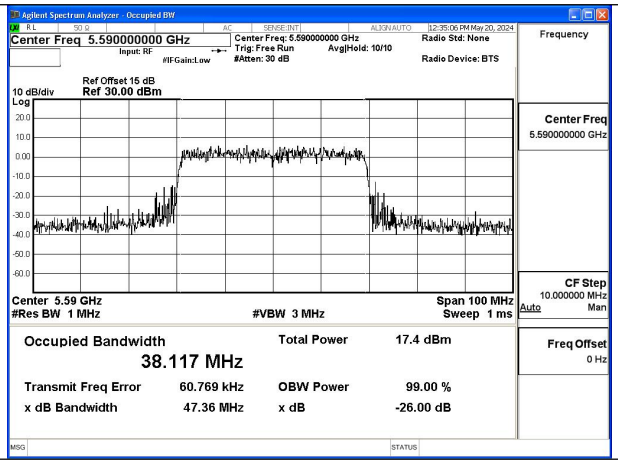


Mode:802.11ac VHT40 Frequency:5670MHz
Ant:Chain0

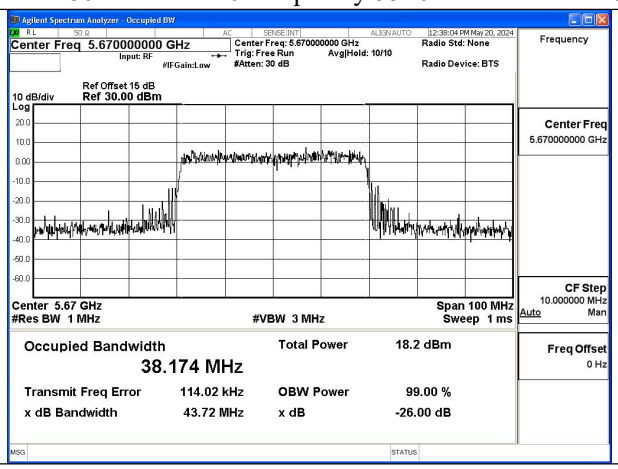
Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Frequency:5510MHz Ant:Chain0



Mode:802.11ax HE40 Frequency:5590MHz Ant:Chain0



Mode:802.11ax HE40 Frequency:5670MHz Ant:Chain0

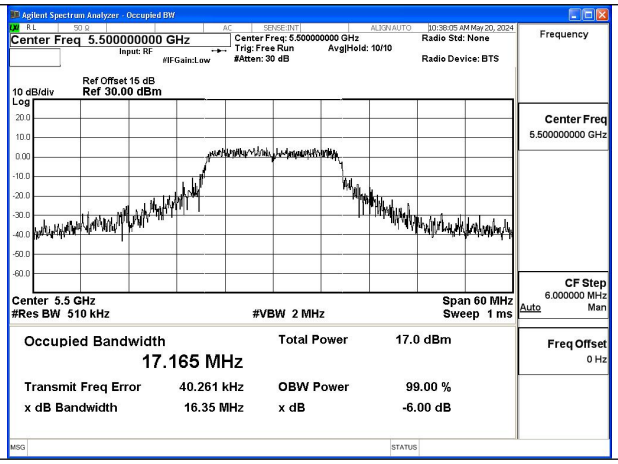
Occupied Bandwidth

Offset 15dB = Attenuator + Temporary antenna connector loss + Cable loss

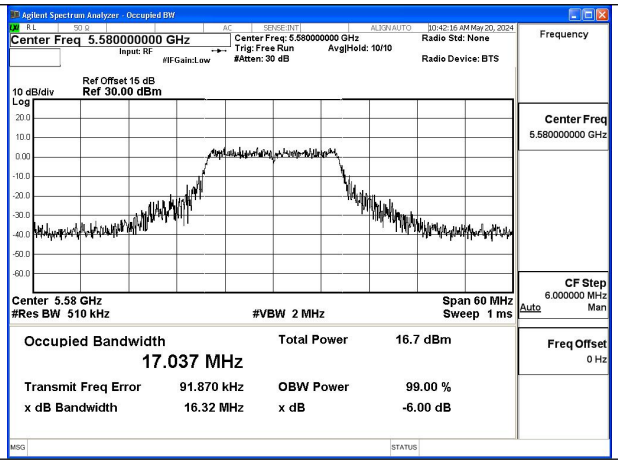
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5500MHz	5580MHz	5700MHz
802.11a	Chain0	17.165	17.037	17.171
802.11n HT20	Chain0	18.391	18.287	18.325
802.11ac VHT20	Chain0	18.200	18.287	18.272
802.11ax HE20	Chain0	19.188	19.230	19.245

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5510MHz	5590MHz	5670MHz
802.11n HT40	Chain0	36.807	36.850	36.707
802.11ac VHT40	Chain0	36.885	36.732	36.782
802.11ax HE40	Chain0	38.334	38.214	38.222

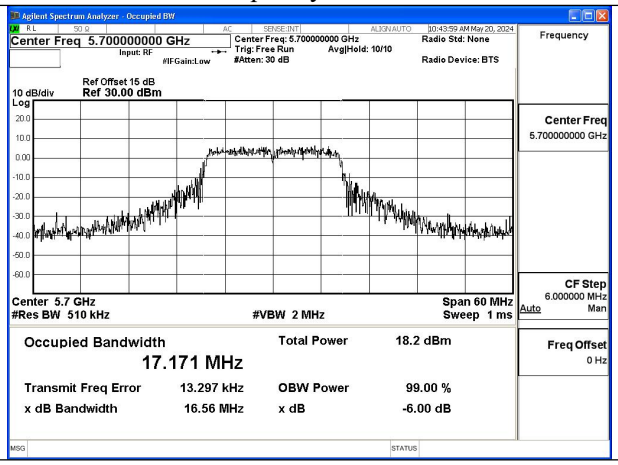
Test Mode: 802.11a



Mode:802.11a Frequency:5500MHz Ant:Chain0

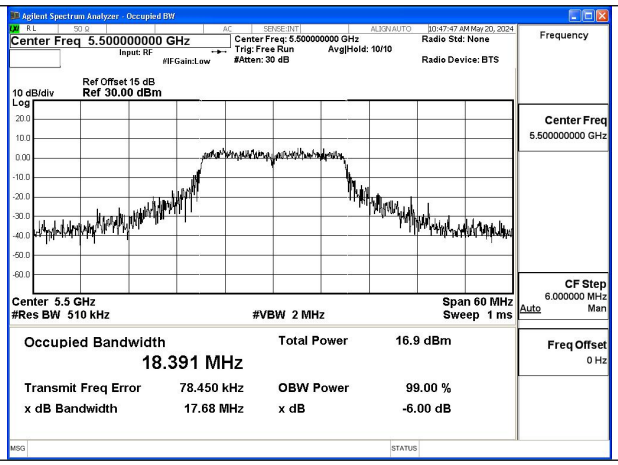


Mode:802.11a Frequency:5580MHz Ant:Chain0

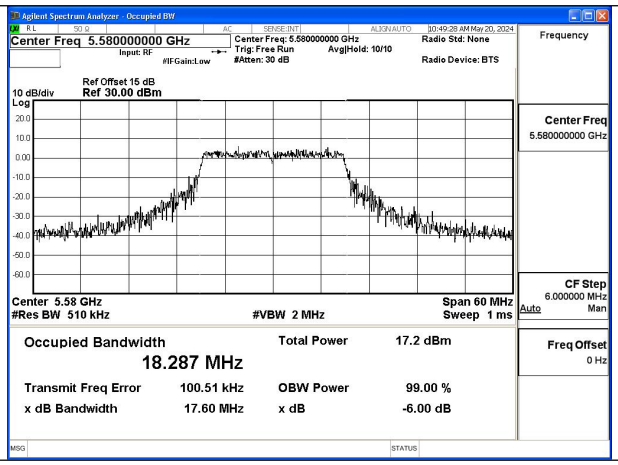


Mode:802.11a Frequency:5700MHz Ant:Chain0

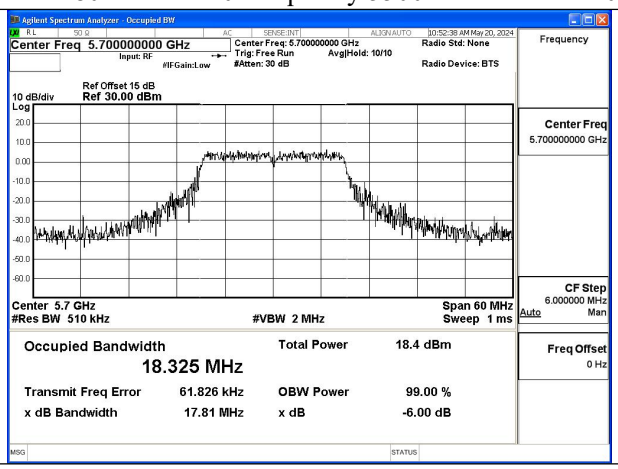
Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:5500MHz Ant:Chain0

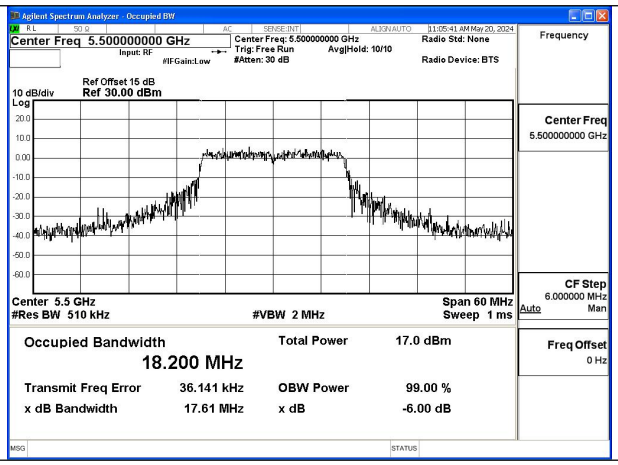


Mode:802.11n HT20 Frequency:5580MHz Ant:Chain0

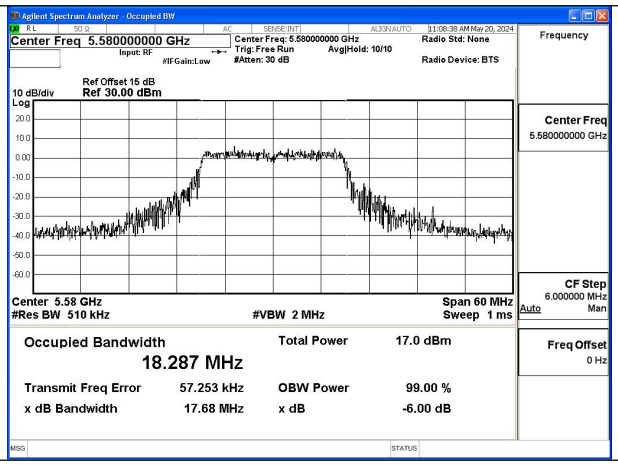


Mode:802.11n HT20 Frequency:5700MHz Ant:Chain0

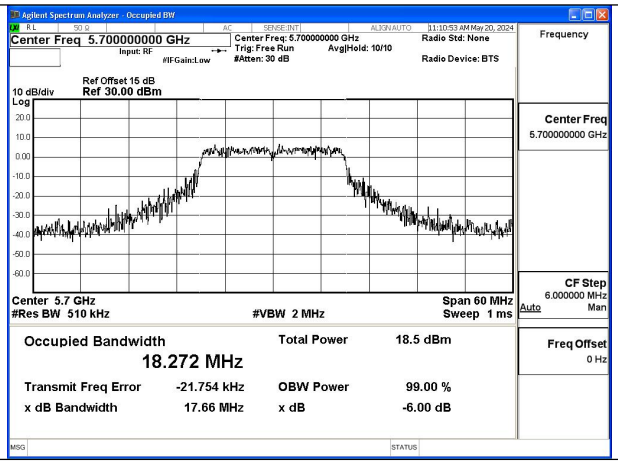
Test Mode: 802.11ac VHT20



Mode:802.11ac VHT20 Frequency:5500MHz
Ant:Chain0

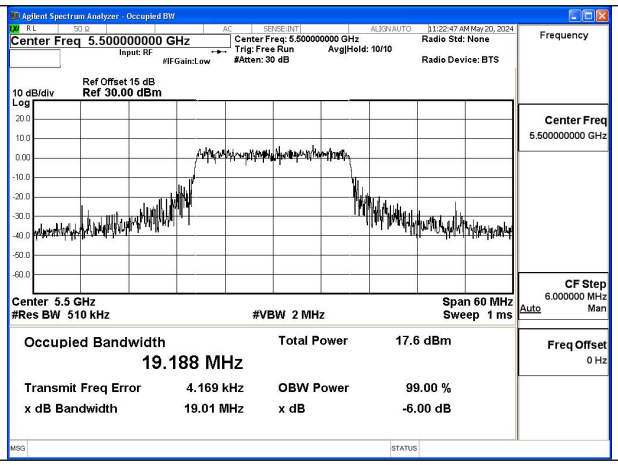


Mode:802.11ac VHT20 Frequency:5580MHz
Ant:Chain0

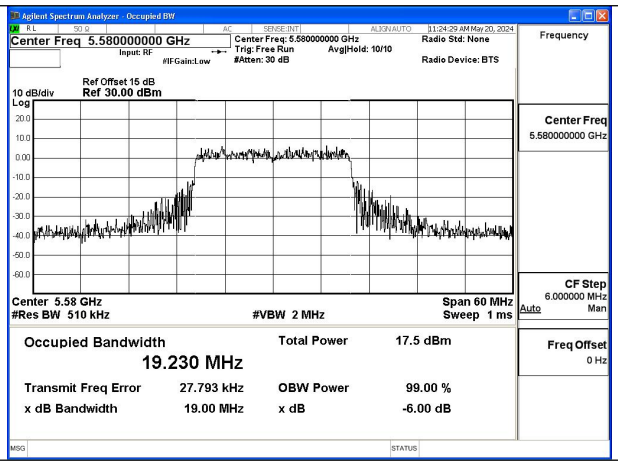


Mode:802.11ac VHT20 Frequency:5700MHz
Ant:Chain0

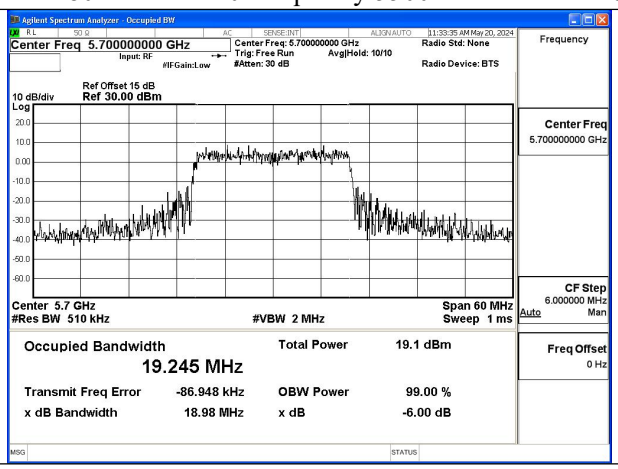
Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Frequency:5500MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:5580MHz Ant:Chain0



Mode:802.11ax HE20 Frequency:5700MHz Ant:Chain0