APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5260	98.60%	0	Fig.1
802.11n HT20	5260	99.89%	0	Fig.2
802.11ac VHT20	5260	99.87%	0	Fig.3
802.11ax HE20	5260	99.44%	0	Fig.4
802.11n HT40	5270	99.90%	0	Fig.5
802.11ac VHT40	5270	99.87%	0	Fig.6
802.11ax HE40	5270	99.83%	0	Fig.7

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

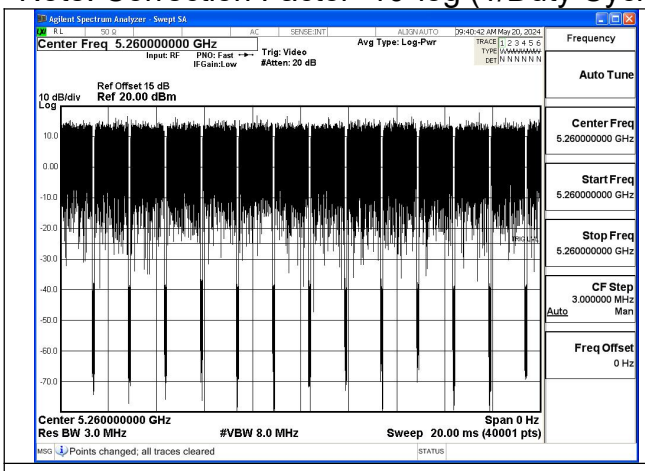


Fig.1

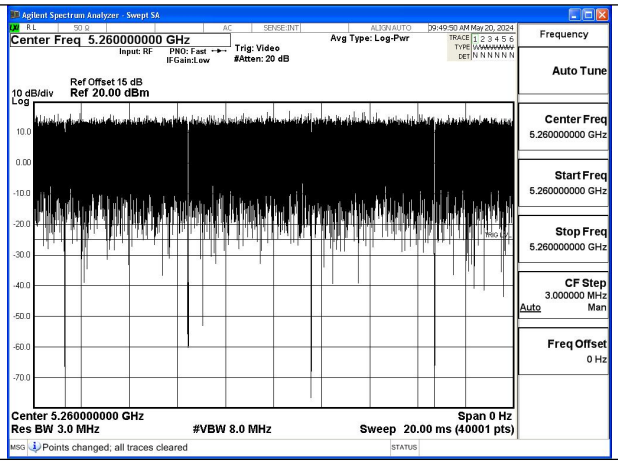


Fig.2

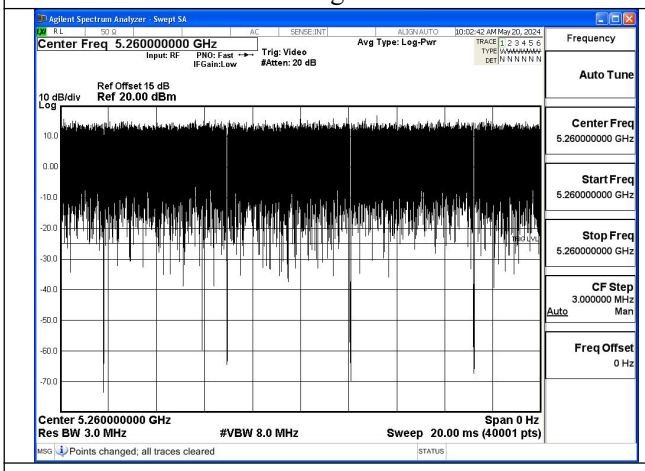


Fig.3

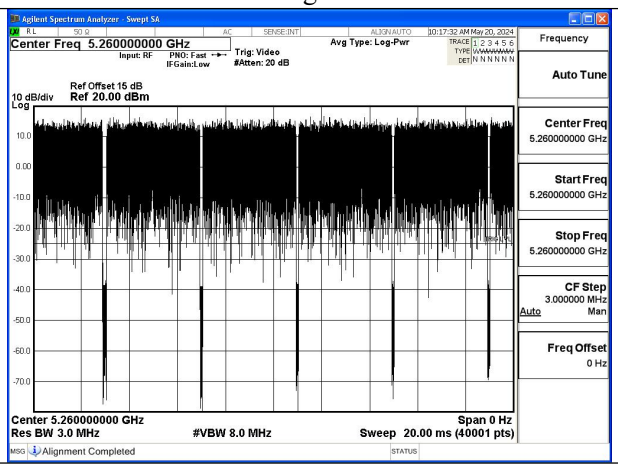


Fig.4

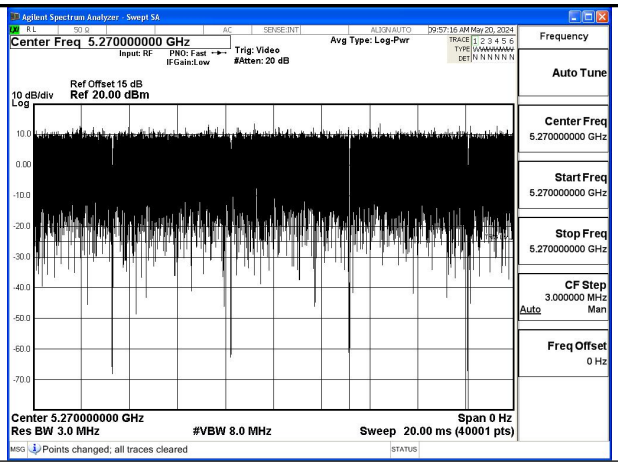


Fig.5

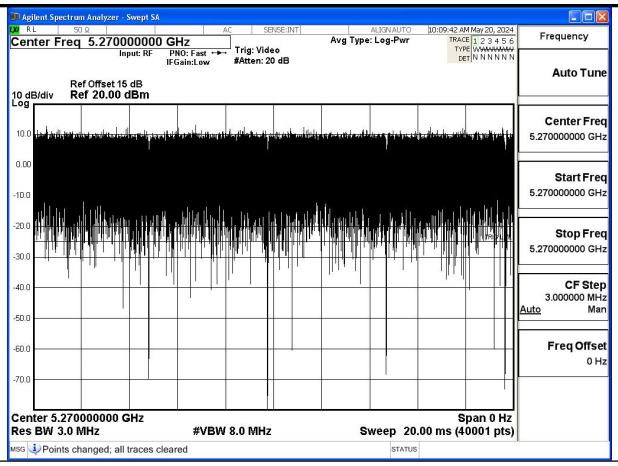


Fig.6

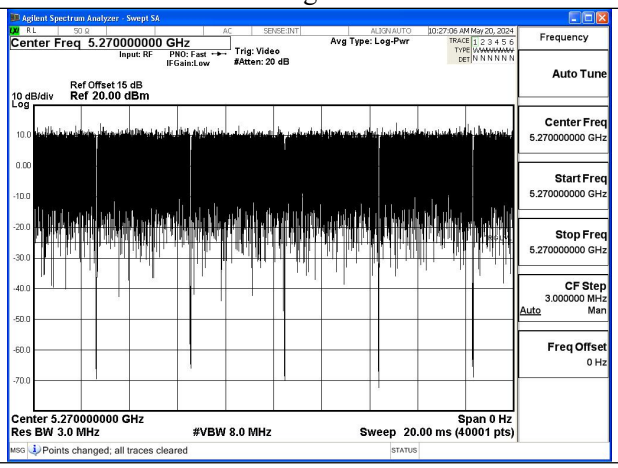


Fig.7

Output Power

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5260	Chain0	13.61	15.42
802.11a	NA	5280	Chain0	13.61	15.42
802.11a	NA	5320	Chain0	13.59	15.40
802.11n HT20	NA	5260	Chain0	13.73	15.54
802.11n HT20	NA	5280	Chain0	13.66	15.47
802.11n HT20	NA	5320	Chain0	13.62	15.43
802.11ac VHT20	NA	5260	Chain0	13.41	15.22
802.11ac VHT20	NA	5280	Chain0	13.24	15.05
802.11ac VHT20	NA	5320	Chain0	13.42	15.23
802.11n HT40	NA	5270	Chain0	13.48	15.29
802.11n HT40	NA	5310	Chain0	13.32	15.13
802.11ac VHT40	NA	5270	Chain0	13.18	14.99
802.11ac VHT40	NA	5310	Chain0	13.25	15.06

Mode	Tones/ RU Index	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11ax HE20	242T 61	5260	Chain0	13.31	15.12
802.11ax HE20	242T 61	5280	Chain0	13.37	15.18
802.11ax HE20	242T 61	5320	Chain0	13.38	15.19
802.11ax HE40	484T 65	5270	Chain0	13.49	15.30
802.11ax HE40	484T 65	5310	Chain0	13.10	14.91

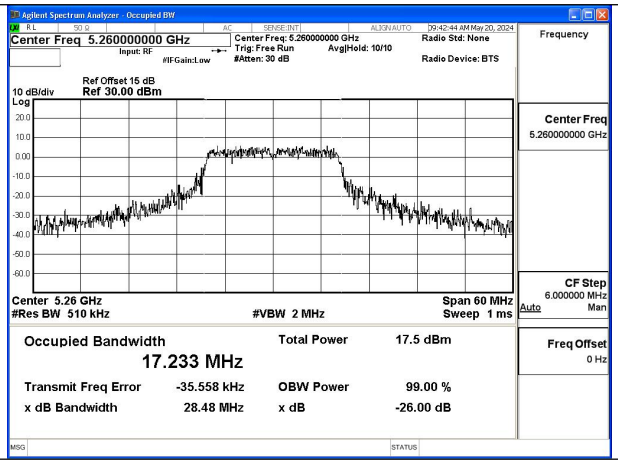
Emission Bandwidth

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

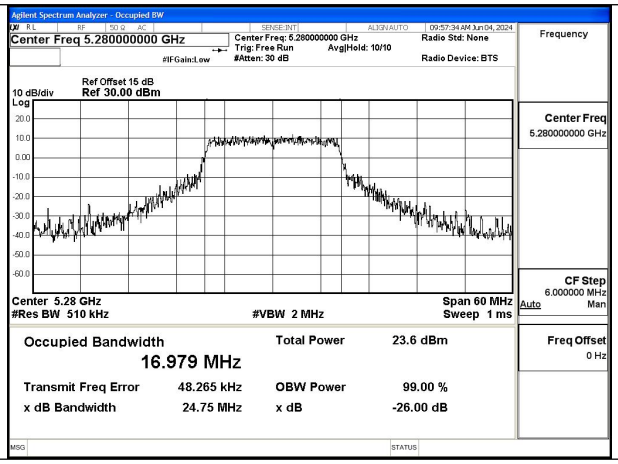
Test Mode	Antenna	26dB Bandwidth (MHz)		
		5260MHz	5280MHz	5320MHz
802.11a	Chain0	28.48	24.75	25.23
802.11n HT20	Chain0	29.89	29.59	25.27
802.11ac VHT20	Chain0	26.61	25.52	27.51
802.11ax HE20	Chain0	24.58	25.68	23.05

Test Mode	Antenna	26dB Bandwidth (MHz)		
		5270MHz	---	5310MHz
802.11n HT40	Chain0	46.02	---	44.87
802.11ac VHT40	Chain0	46.11	---	46.48
802.11ax HE40	Chain0	44.41	---	43.48

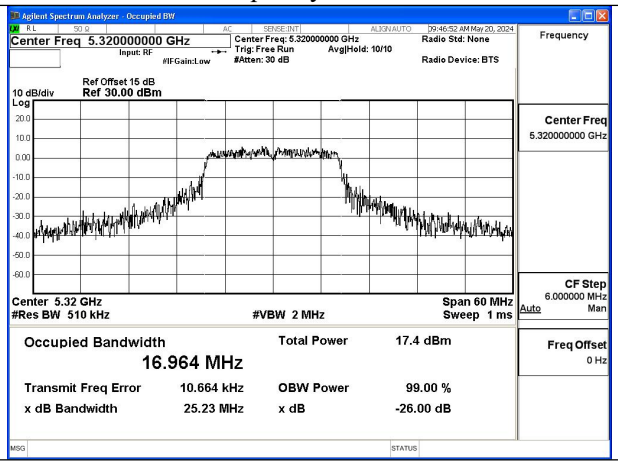
Test Mode: 802.11a



Mode:802.11a Frequency:5260MHz Ant:Chain0

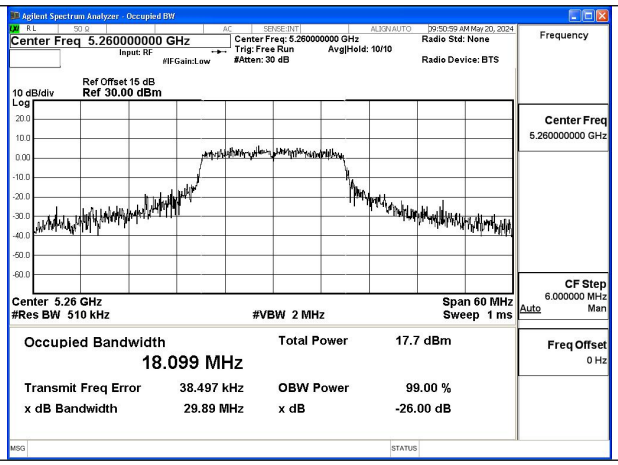


Mode:802.11a Frequency:5280MHz Ant:Chain0

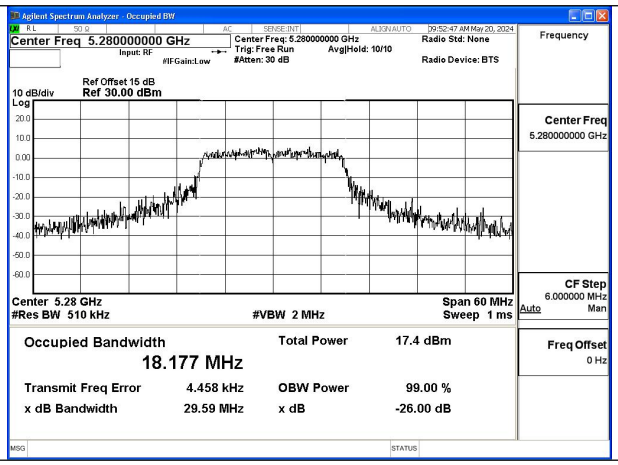


Mode:802.11a Frequency:5320MHz Ant:Chain0

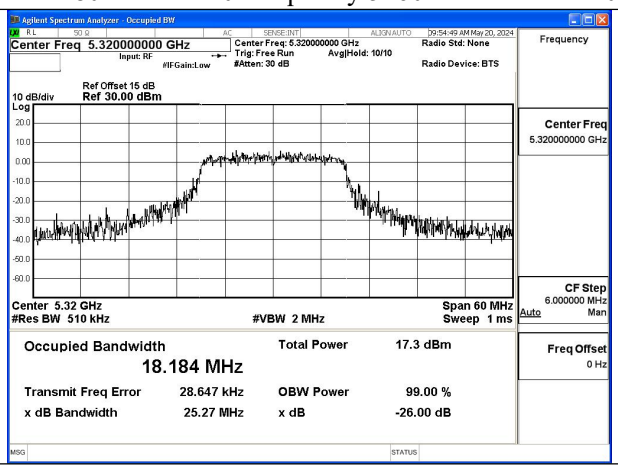
Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:5260MHz Ant:Chain0

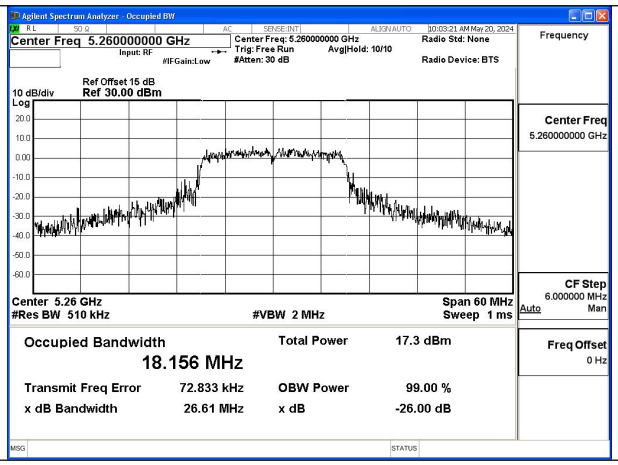


Mode:802.11n HT20 Frequency:5280MHz Ant:Chain0

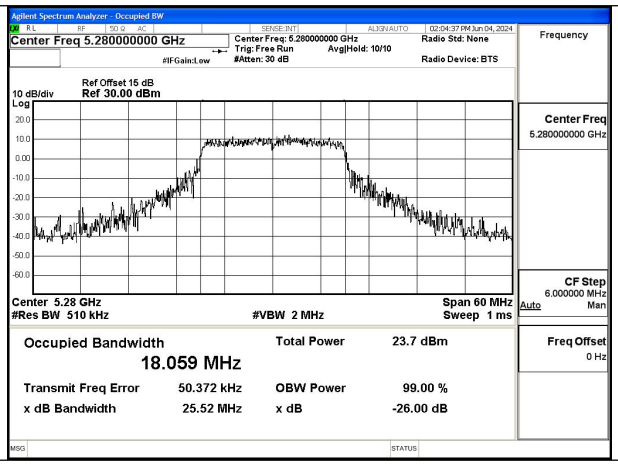


Mode:802.11n HT20 Frequency:5320MHz Ant:Chain0

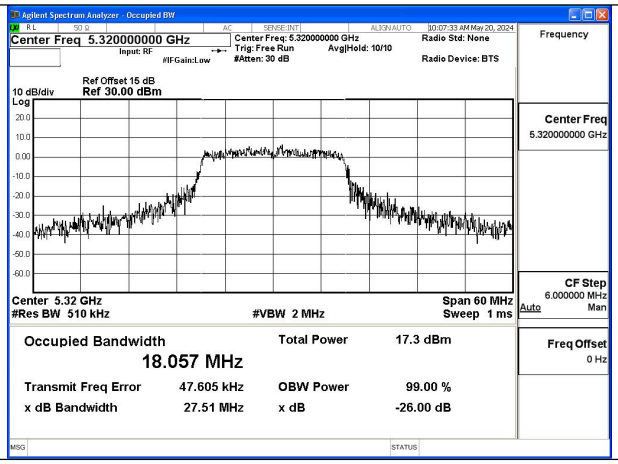
Test Mode: 802.11ac VHT20



Mode:802.11ac VHT20 Frequency:5260MHz
Ant:Chain0

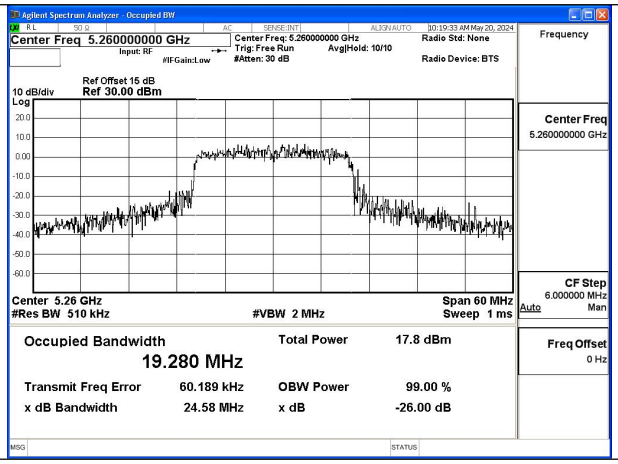


Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain0

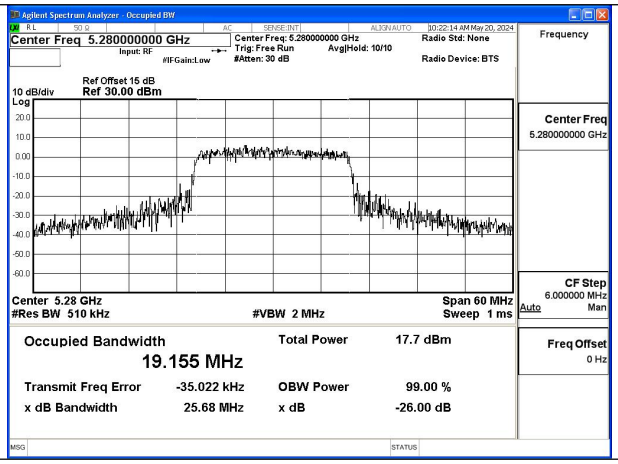


Mode:802.11ac VHT20 Frequency:5320MHz
Ant:Chain0

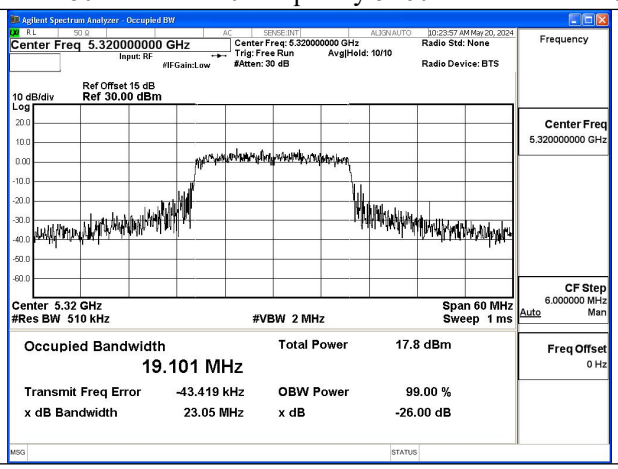
Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Frequency:5260MHz Ant:Chain0

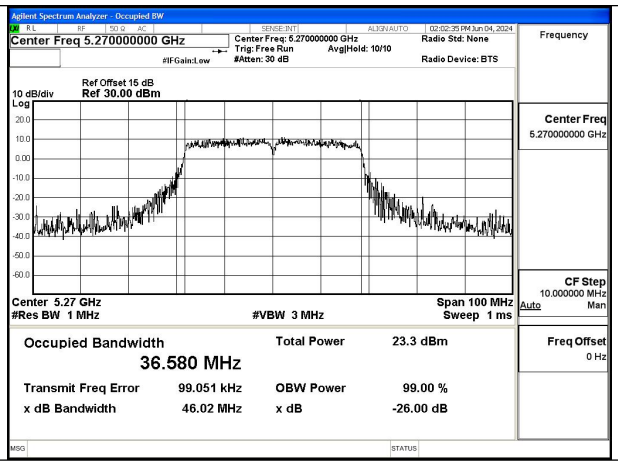


Mode:802.11ax HE20 Frequency:5280MHz Ant:Chain0

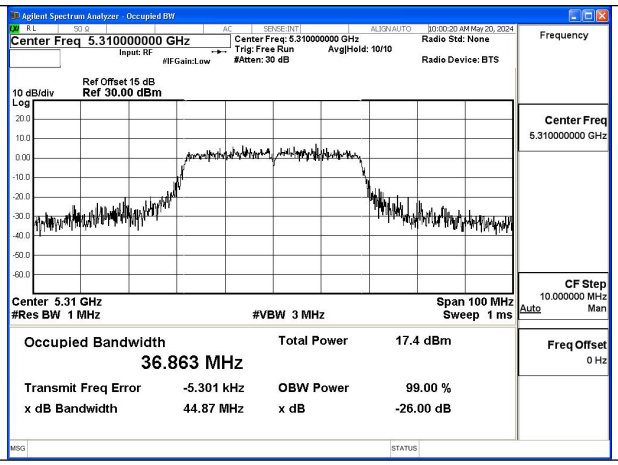


Mode:802.11ax HE20 Frequency:5320MHz Ant:Chain0

Test Mode: 802.11n HT40

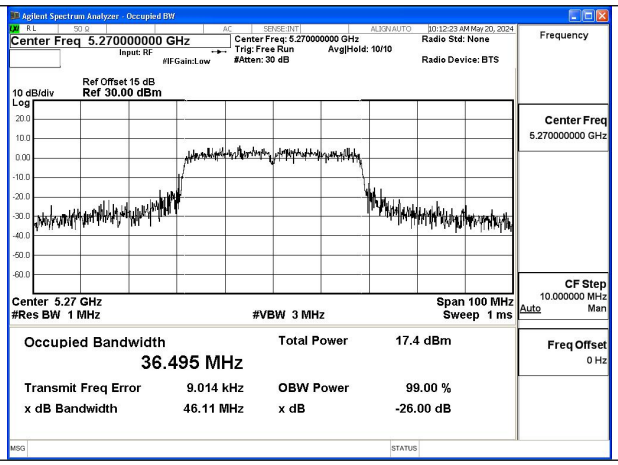


Mode:802.11n HT40 Frequency:5270MHz Ant:Chain0

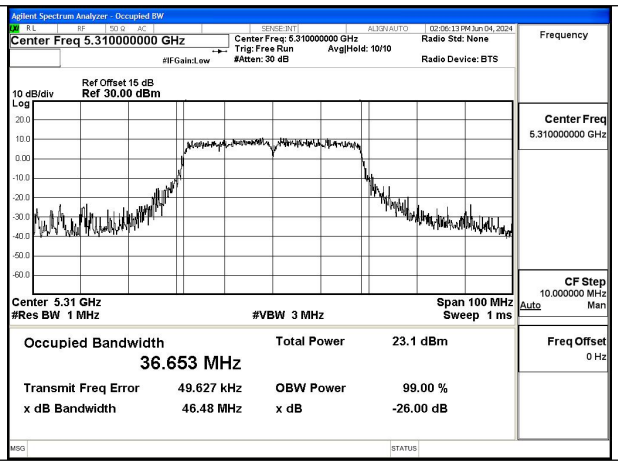


Mode:802.11n HT40 Frequency:5310MHz Ant:Chain0

Test Mode: 802.11ac VHT40

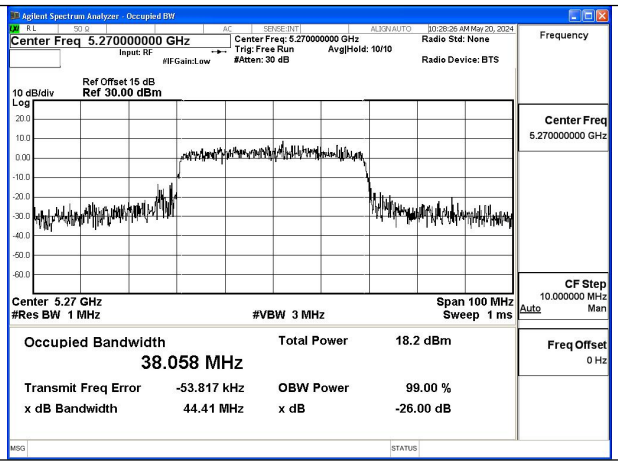


Mode:802.11ac VHT40 Frequency:5270MHz Ant:Chain0

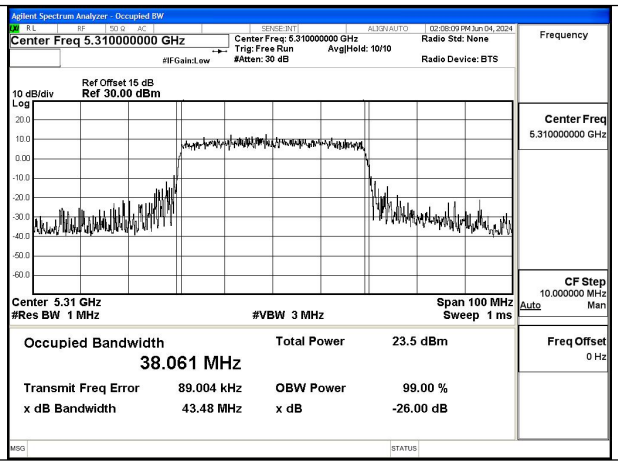


Mode:802.11ac VHT40 Frequency:5310MHz Ant:Chain0

Test Mode: 802.11ax HE40



Mode:802.11ax HE40 Frequency:5270MHz Ant:Chain0



Mode:802.11ax HE40 Frequency:5310MHz Ant:Chain0

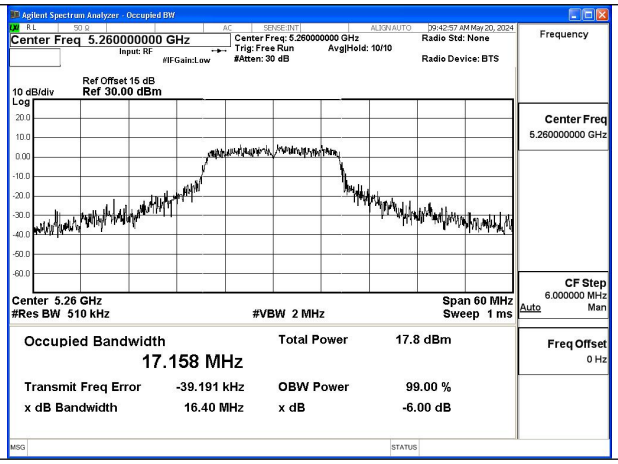
Occupied Bandwidth

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

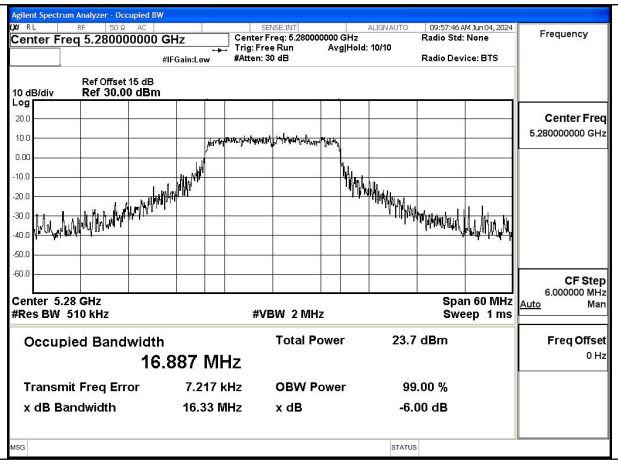
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5260MHz	5280MHz	5320MHz
802.11a	Chain0	17.158	16.887	16.962
802.11n HT20	Chain0	18.008	18.077	18.227
802.11ac VHT20	Chain0	18.201	18.097	18.103
802.11ax HE20	Chain0	19.197	19.188	19.035

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		5270MHz	---	5310MHz
802.11n HT40	Chain0	36.549	---	36.526
802.11ac VHT40	Chain0	36.600	---	36.642
802.11ax HE40	Chain0	38.190	---	38.122

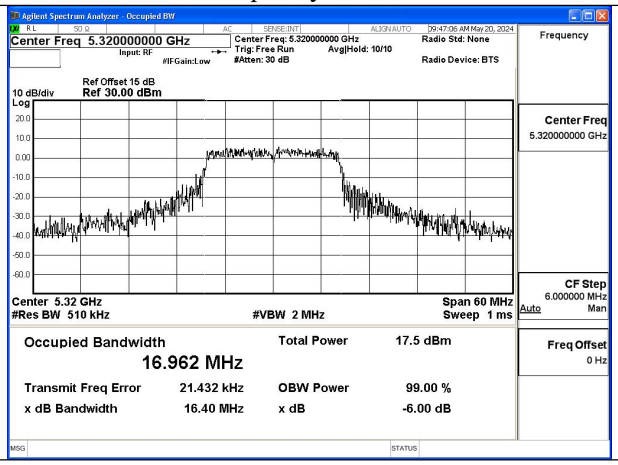
Test Mode: 802.11a



Mode:802.11a Frequency:5260MHz Ant:Chain0

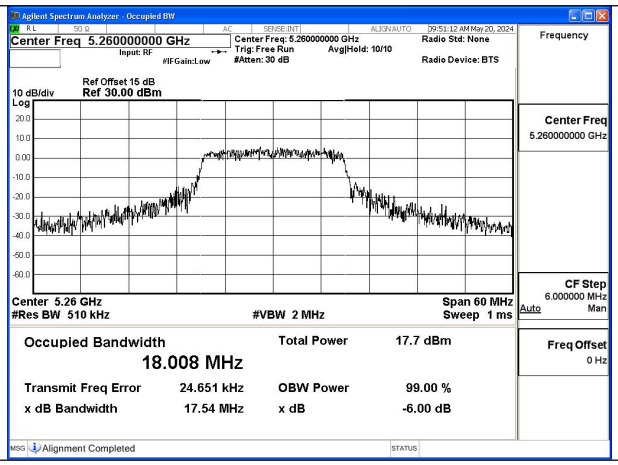


Mode:802.11a Frequency:5280MHz Ant:Chain0

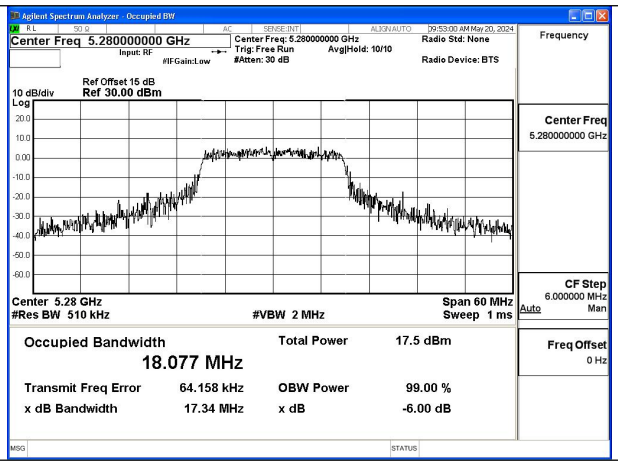


Mode:802.11a Frequency:5320MHz Ant:Chain0

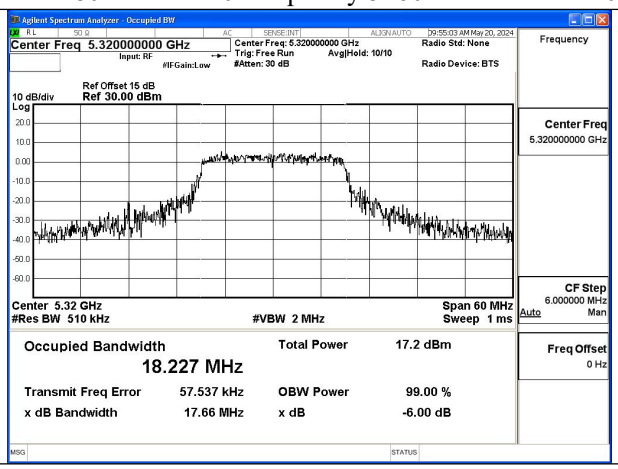
Test Mode: 802.11n HT20



Mode:802.11n HT20 Frequency:5260MHz Ant:Chain0

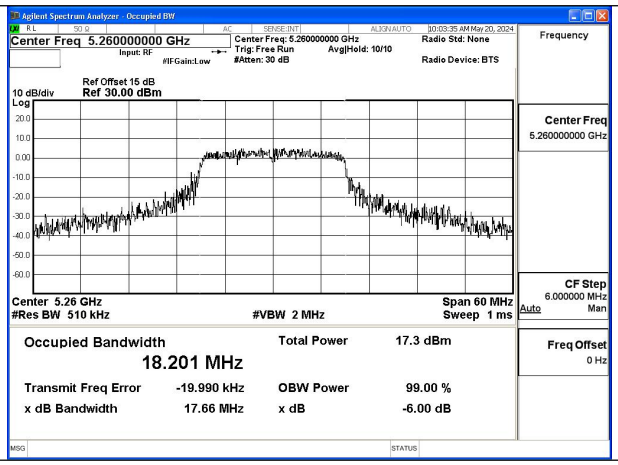


Mode:802.11n HT20 Frequency:5280MHz Ant:Chain0

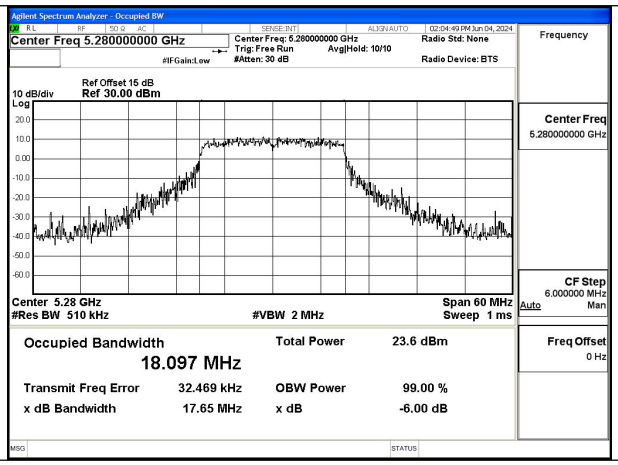


Mode:802.11n HT20 Frequency:5320MHz Ant:Chain0

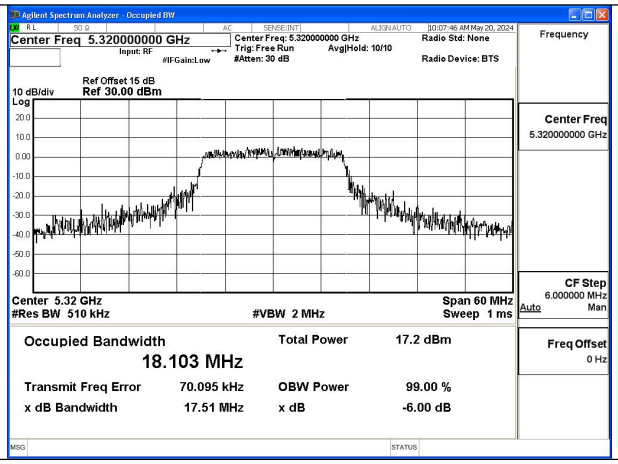
Test Mode: 802.11ac VHT20



Mode:802.11ac VHT20 Frequency:5260MHz
Ant:Chain0

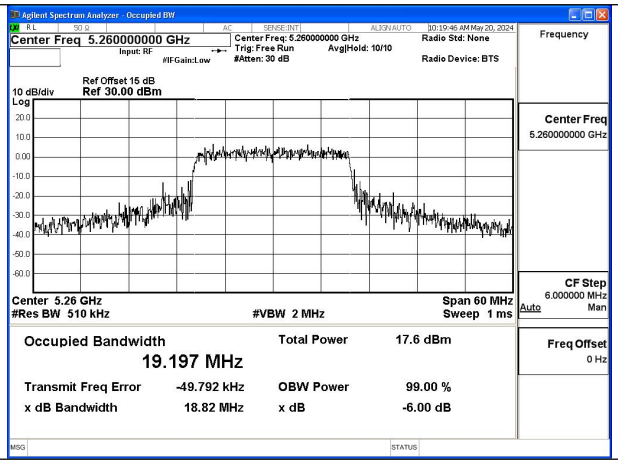


Mode:802.11ac VHT20 Frequency:5280MHz
Ant:Chain0

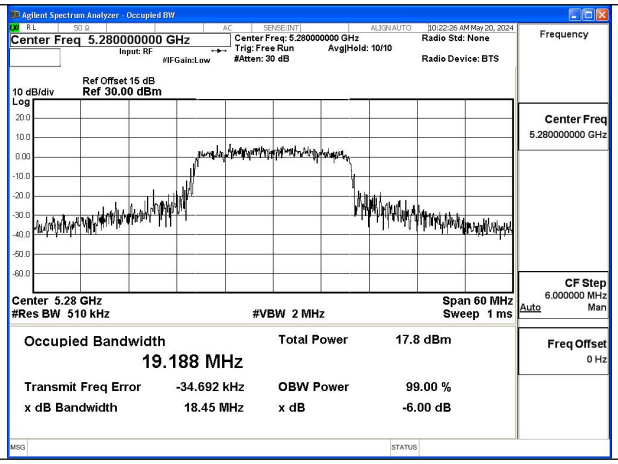


Mode:802.11ac VHT20 Frequency:5320MHz
Ant:Chain0

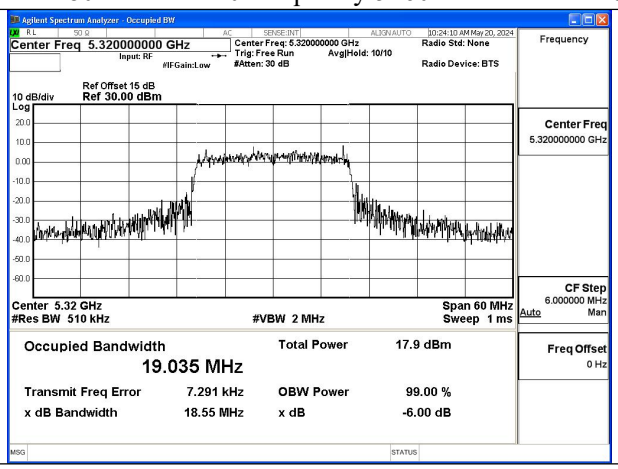
Test Mode: 802.11ax HE20



Mode:802.11ax HE20 Frequency:5260MHz Ant:Chain0

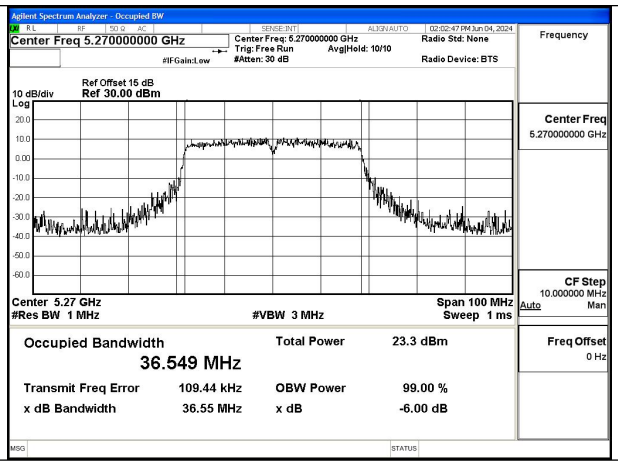


Mode:802.11ax HE20 Frequency:5280MHz Ant:Chain0

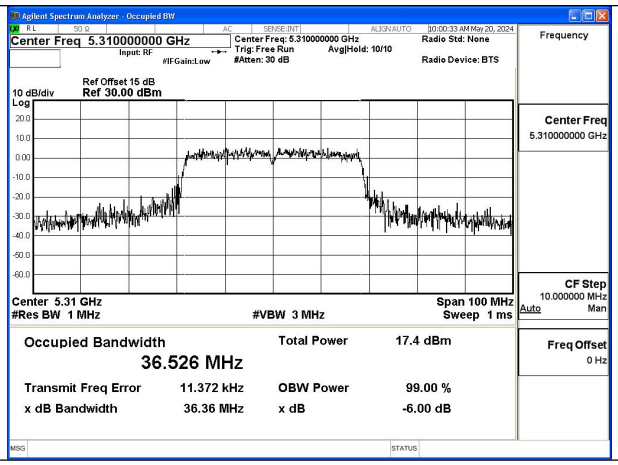


Mode:802.11ax HE20 Frequency:5320MHz Ant:Chain0

Test Mode: 802.11n HT40



Mode:802.11n HT40 Frequency:5270MHz Ant:Chain0



Mode:802.11n HT40 Frequency:5310MHz Ant:Chain0