

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5260	99.70%	0	Fig.1
802.11a	5260	99.71%	0	Fig.2
802.11n HT20	5260	99.87%	0	Fig.3
802.11n HT20	5260	99.89%	0	Fig.4
802.11ac VHT20	5260	99.86%	0	Fig.5
802.11ac VHT20	5260	99.87%	0	Fig.6
802.11n HT40	5270	99.40%	0	Fig.7
802.11n HT40	5270	99.90%	0	Fig.8
802.11ac VHT40	5270	99.89%	0	Fig.9
802.11ac VHT40	5270	99.86%	0	Fig.10
802.11ac VHT80	5290	99.75%	0	Fig.11
802.11ac VHT80	5290	99.75%	0	Fig.12

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

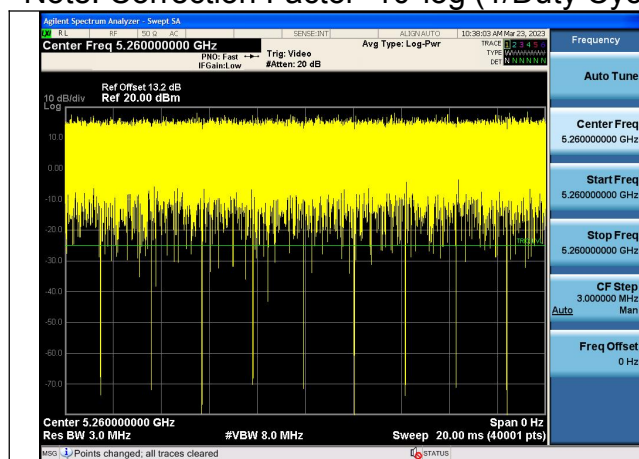


Fig.1

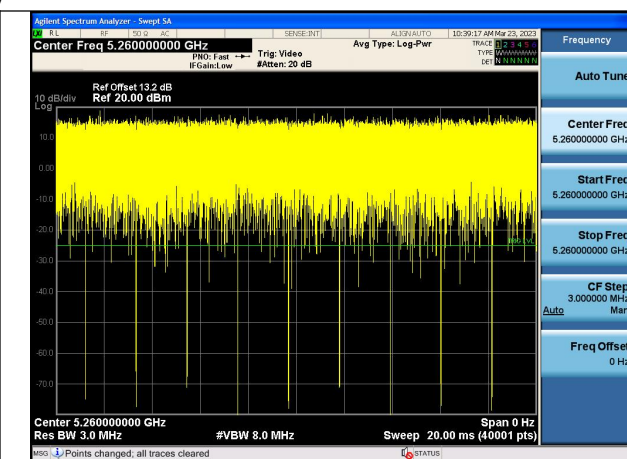


Fig.2

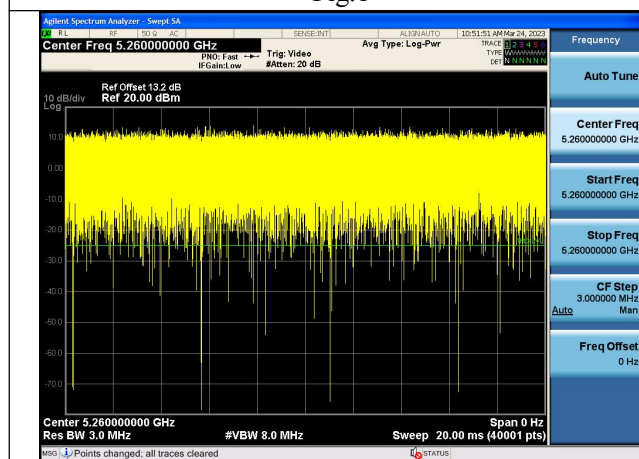


Fig.3

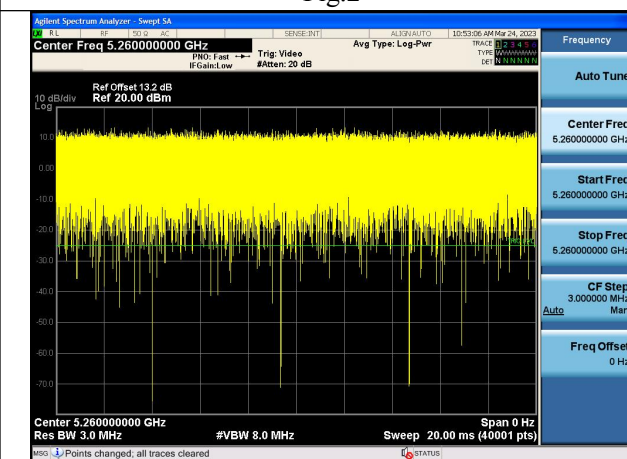


Fig.4

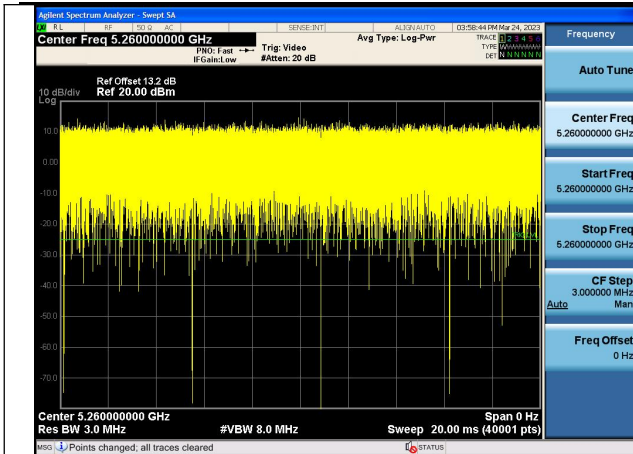


Fig.5

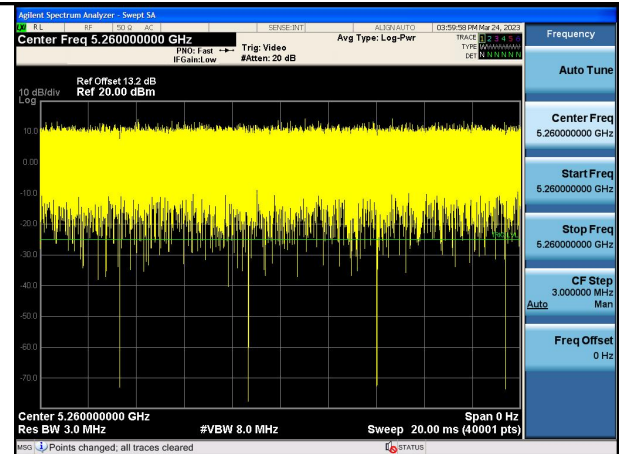


Fig.6

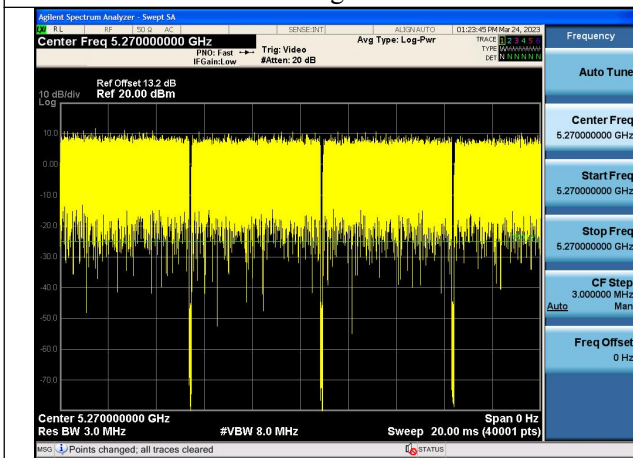


Fig.7

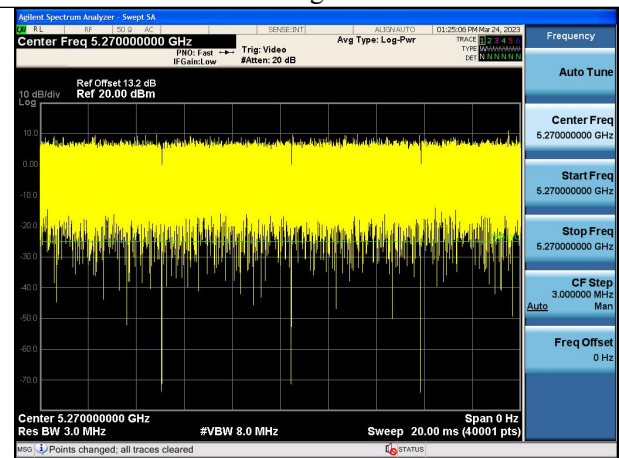


Fig.8

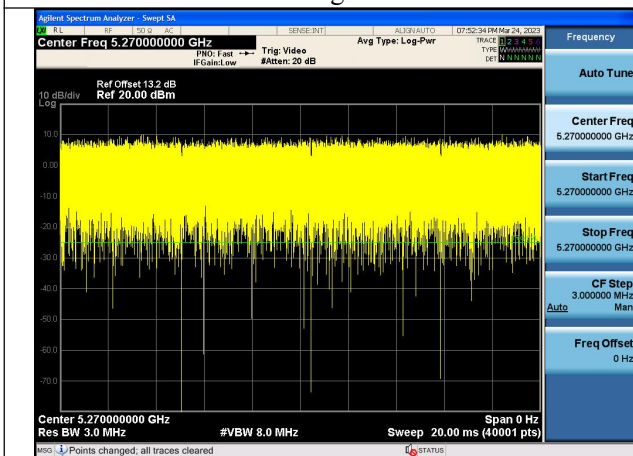


Fig.9

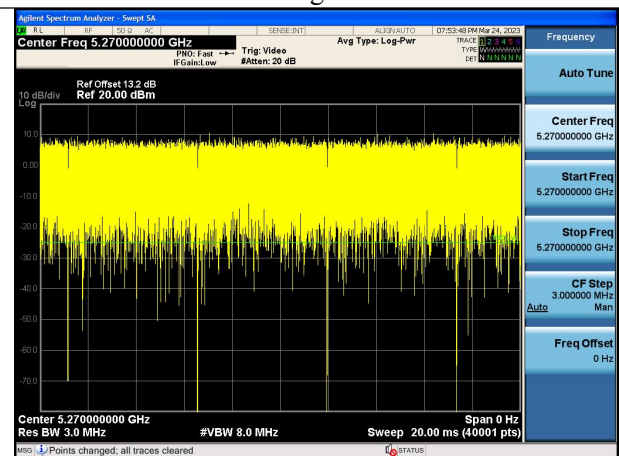


Fig.10

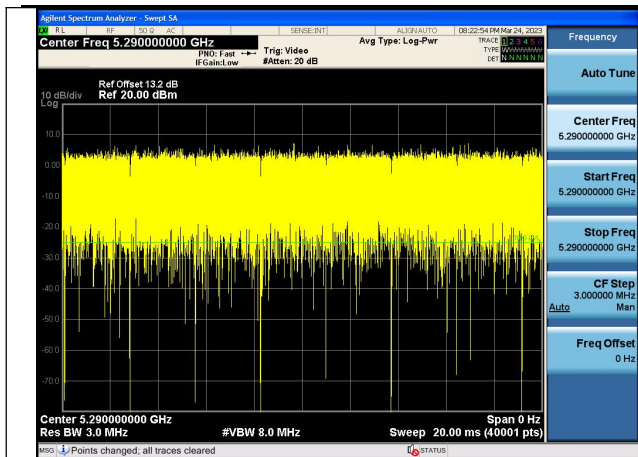


Fig.11

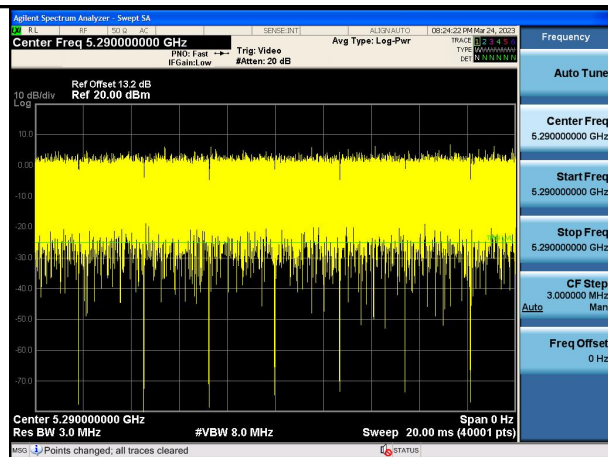


Fig.12

Output Power

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5260	Chain0	15.55	17.65
802.11a	NA	5260	Chain1	15.43	17.84
802.11a	NA	5280	Chain0	15.76	17.86
802.11a	NA	5280	Chain1	15.66	18.07
802.11a	NA	5320	Chain0	15.79	17.89
802.11a	NA	5320	Chain1	15.76	18.17
802.11n HT20	NA	5260	Chain0	11.51	13.61
802.11n HT20	NA	5260	Chain1	11.26	13.67
802.11n HT20	NA	5260	MIMO	14.40	16.66
802.11n HT20	NA	5280	Chain0	11.53	13.63
802.11n HT20	NA	5280	Chain1	11.51	13.92
802.11n HT20	NA	5280	MIMO	14.53	16.79
802.11n HT20	NA	5320	Chain0	11.62	13.72
802.11n HT20	NA	5320	Chain1	11.60	14.01
802.11n HT20	NA	5320	MIMO	14.62	16.88
802.11ac VHT20	NA	5260	Chain0	11.62	13.72
802.11ac VHT20	NA	5260	Chain1	11.54	13.95
802.11ac VHT20	NA	5260	MIMO	14.59	16.85
802.11ac VHT20	NA	5280	Chain0	11.65	13.75
802.11ac VHT20	NA	5280	Chain1	11.56	13.97
802.11ac VHT20	NA	5280	MIMO	14.62	16.88
802.11ac VHT20	NA	5320	Chain0	11.82	13.92
802.11ac VHT20	NA	5320	Chain1	11.79	14.20
802.11ac VHT20	NA	5320	MIMO	14.82	17.08
802.11n HT40	NA	5270	Chain0	11.17	13.27
802.11n HT40	NA	5270	Chain1	11.15	13.56
802.11n HT40	NA	5270	MIMO	14.17	16.43
802.11n HT40	NA	5310	Chain0	11.44	13.54
802.11n HT40	NA	5310	Chain1	11.34	13.75
802.11n HT40	NA	5310	MIMO	14.40	16.66
802.11ac VHT40	NA	5270	Chain0	11.30	13.40
802.11ac VHT40	NA	5270	Chain1	11.22	13.63
802.11ac VHT40	NA	5270	MIMO	14.27	16.53
802.11ac VHT40	NA	5310	Chain0	11.41	13.51
802.11ac VHT40	NA	5310	Chain1	11.44	13.85
802.11ac VHT40	NA	5310	MIMO	14.44	16.70
802.11ac VHT80	NA	5290	Chain0	9.99	12.09
802.11ac VHT80	NA	5290	Chain1	9.96	12.37
802.11ac VHT80	NA	5290	MIMO	12.99	15.25

Emission Bandwidth

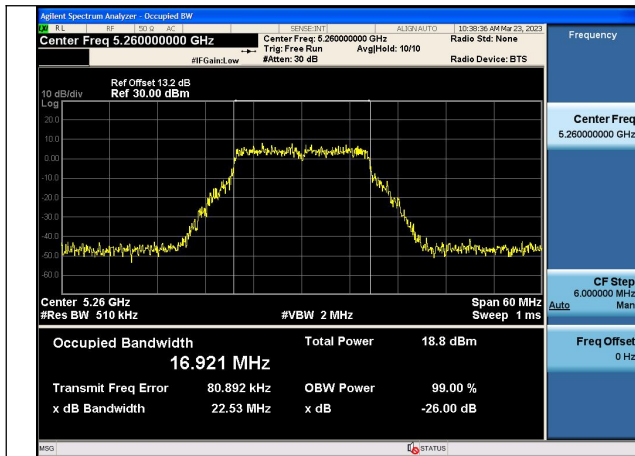
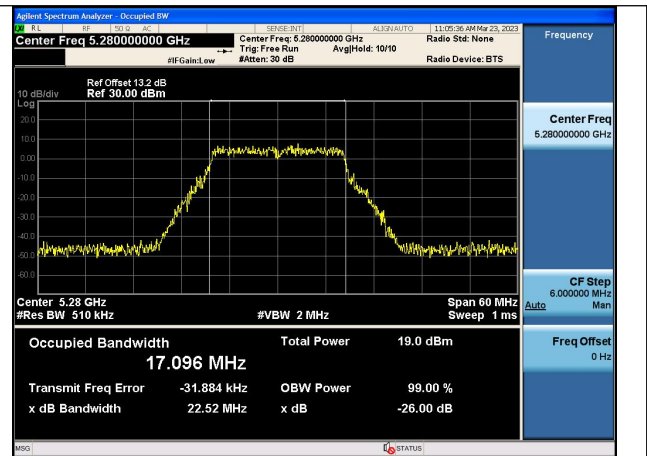
Offset 13.2dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.570	Channel No.574	Channel No.582
		5260MHz	5280MHz	5320MHz
802.11a	Chain0	22.53	22.52	22.80
802.11a	Chain1	22.27	24.19	22.95
802.11n HT20	Chain0	22.46	23.16	22.57
802.11n HT20	Chain1	23.10	22.76	22.99
802.11ac VHT20	Chain0	23.34	22.59	22.59
802.11ac VHT20	Chain1	23.50	23.30	23.23

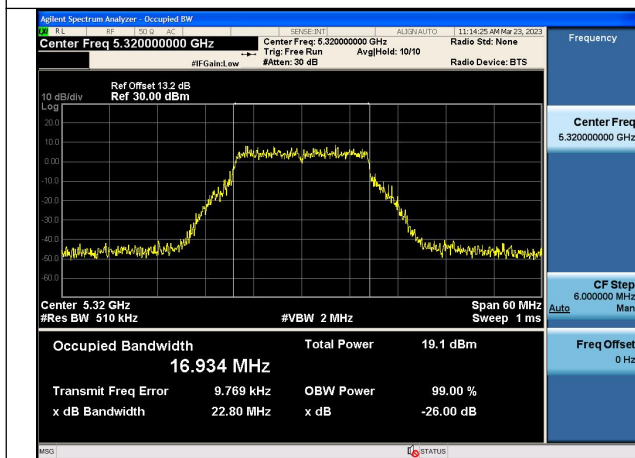
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.572	---	Channel No.580
		5270MHz	---	5310MHz
802.11n HT40	Chain0	44.11	---	44.49
802.11n HT40	Chain1	45.63	---	44.16
802.11ac VHT40	Chain0	44.05	---	43.46
802.11ac VHT40	Chain1	43.69	---	42.19

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.576	---	---
		5290MHz	---	---
802.11ac VHT80	Chain0	89.86	---	---
802.11ac VHT80	Chain1	89.47	---	---

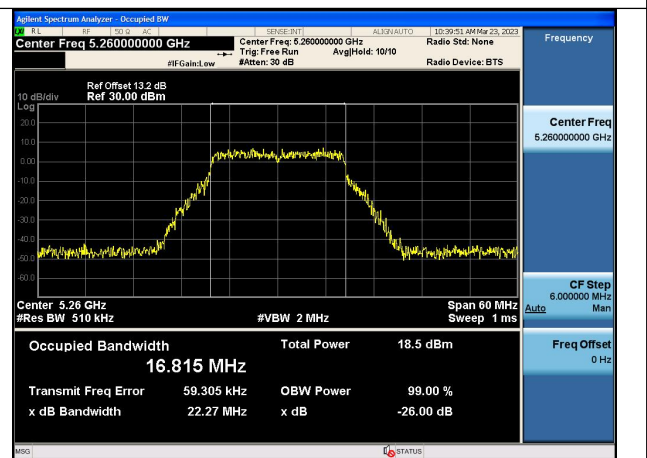
Test Mode: 802.11a



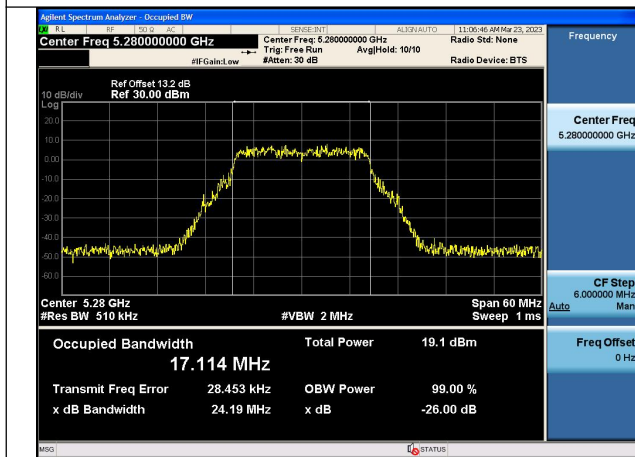
Test Mode:802.11a 5260MHz Chain0



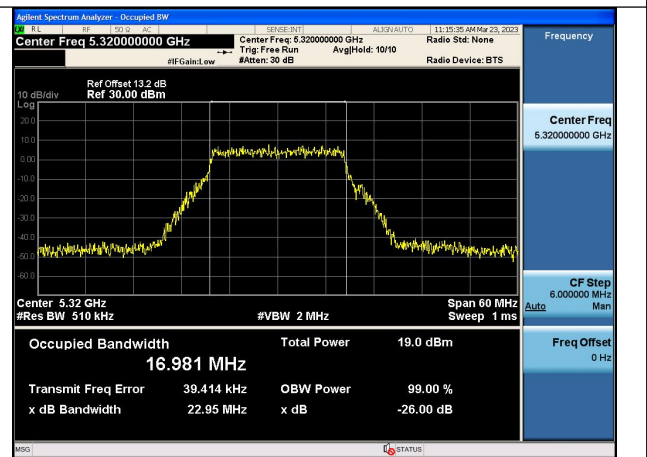
Test Mode:802.11a 5280MHz Chain0



Test Mode:802.11a 5320MHz Chain0



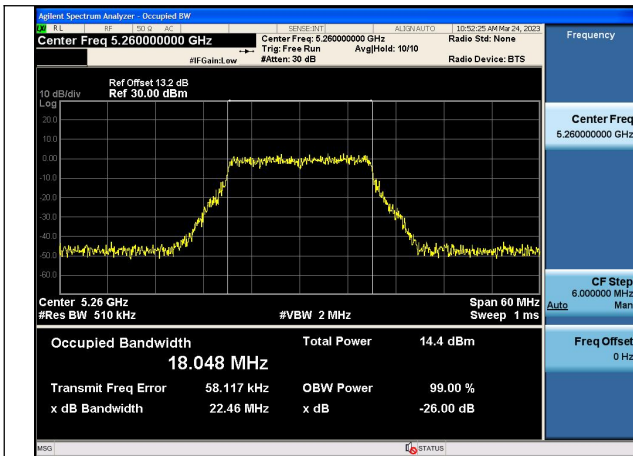
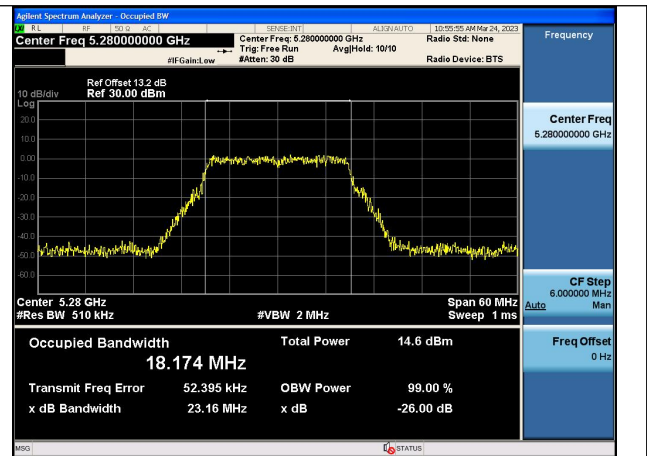
Test Mode:802.11a 5260MHz Chain1



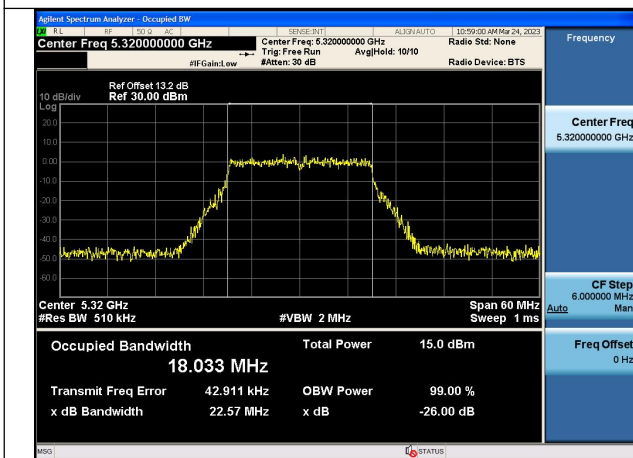
Test Mode:802.11a 5280MHz Chain1

Test Mode:802.11a 5320MHz Chain1

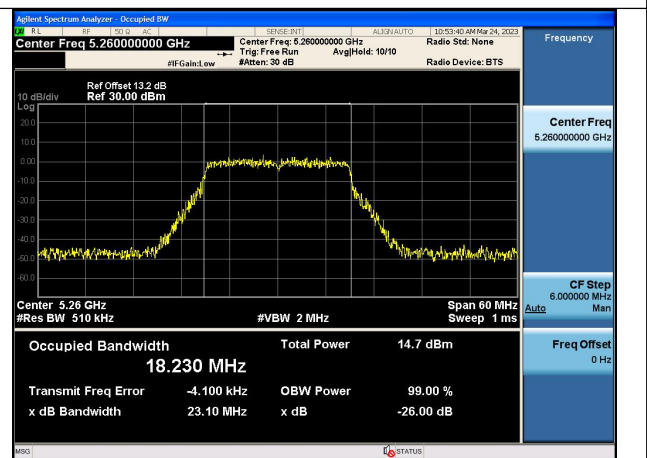
Test Mode: 802.11n HT20



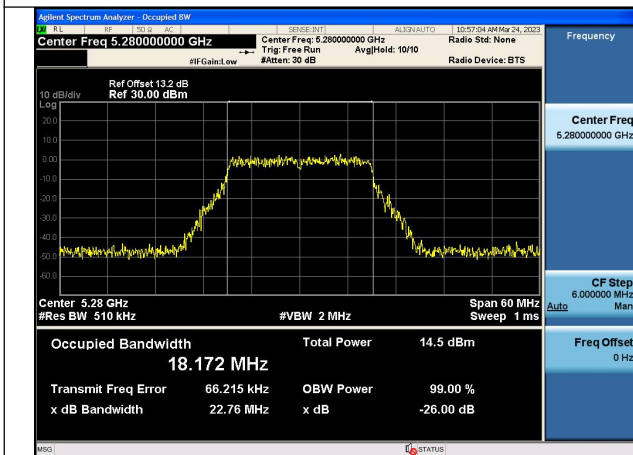
Test Mode:802.11n HT20 5260MHz Chain0



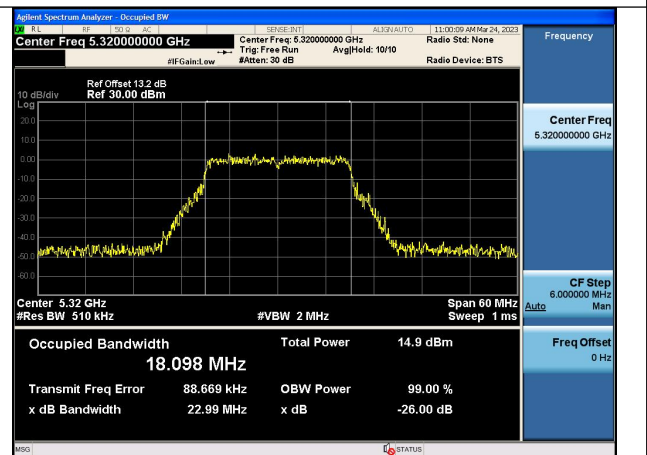
Test Mode:802.11n HT20 5280MHz Chain0



Test Mode:802.11n HT20 5320MHz Chain0



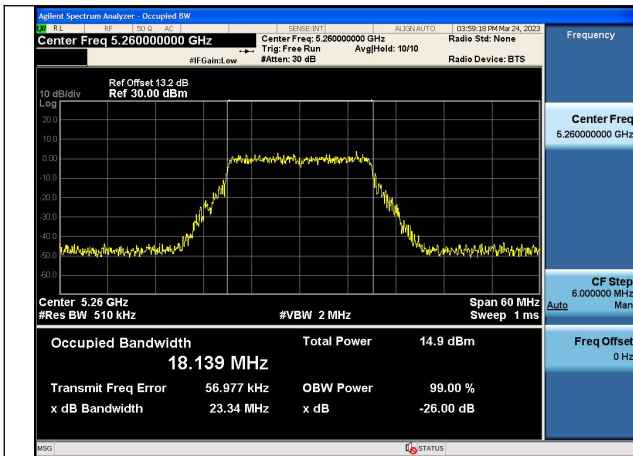
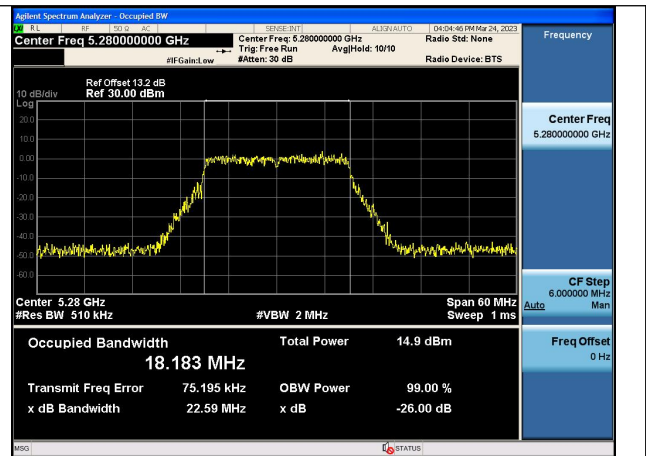
Test Mode:802.11n HT20 5260MHz Chain1



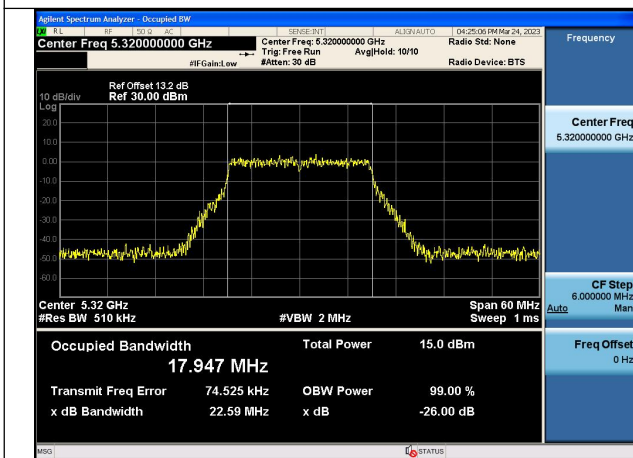
Test Mode:802.11n HT20 5280MHz Chain1

Test Mode:802.11n HT20 5320MHz Chain1

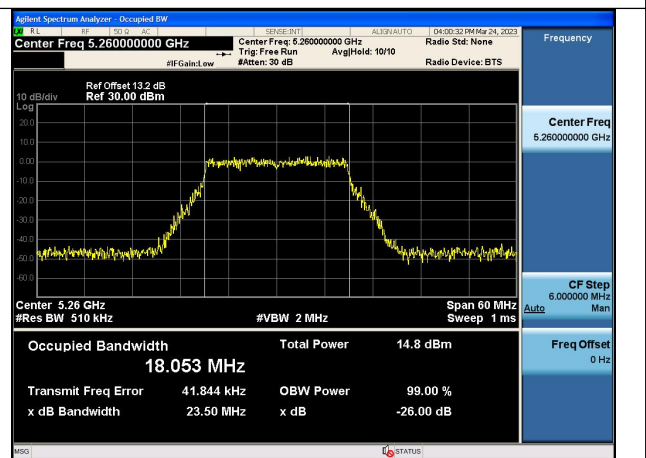
Test Mode: 802.11ac VHT20



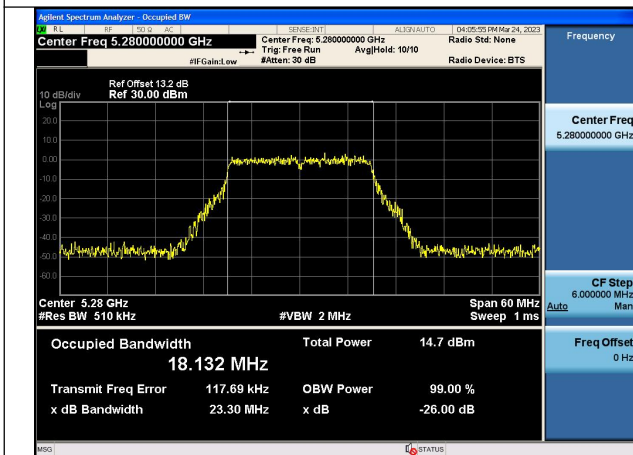
Test Mode:802.11ac VHT20 5260MHz Chain0



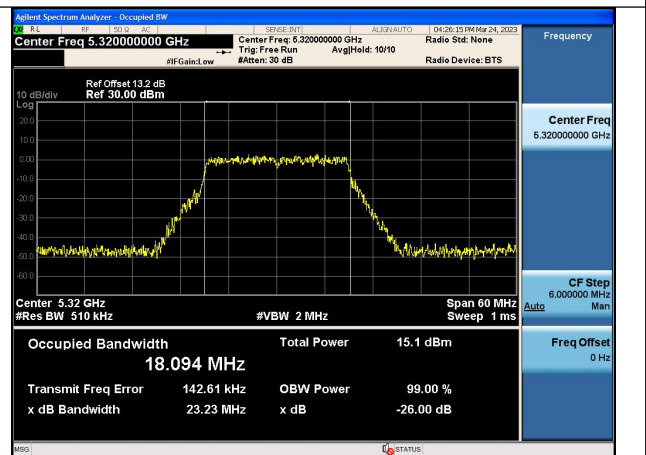
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Test Mode:802.11ac VHT20 5320MHz Chain0



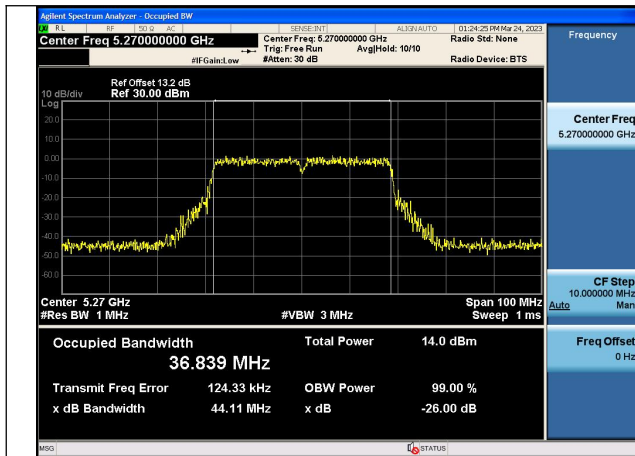
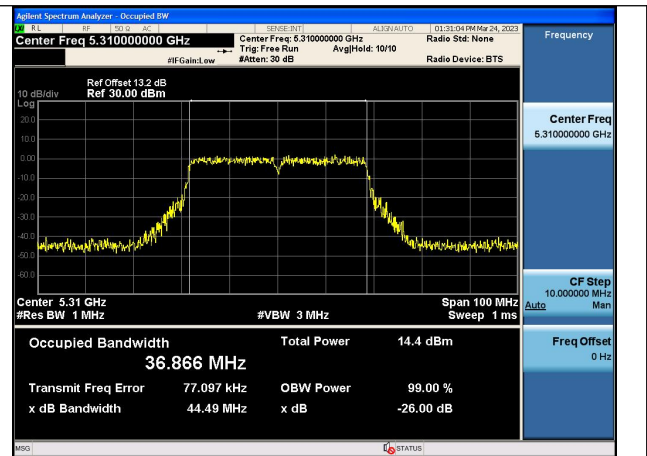
Test Mode:802.11ac VHT20 5260MHz Chain1



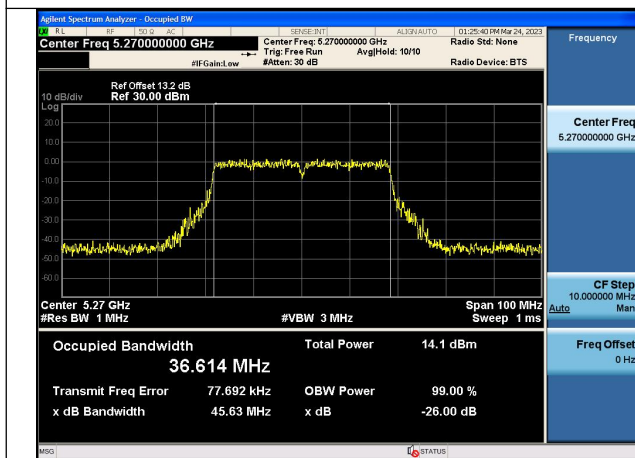
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Test Mode:802.11ac VHT20 5320MHz Chain1

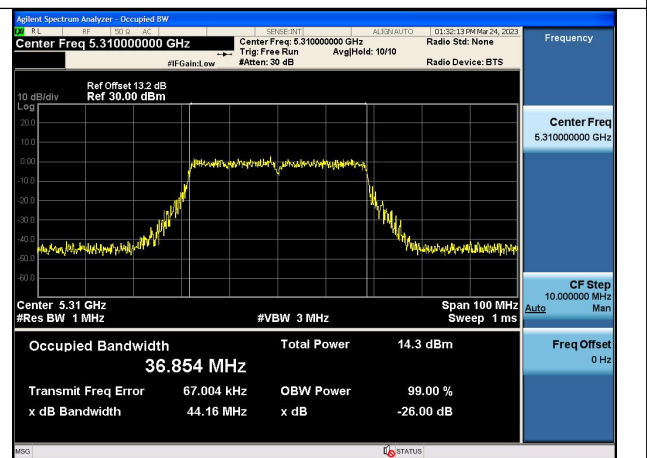
Test Mode: 802.11n HT40



Test Mode: 802.11n HT40 5270MHz Chain0



Test Mode: 802.11n HT40 5310MHz Chain0



Test Mode: 802.11n HT40 5270MHz Chain1

Test Mode: 802.11n HT40 5310MHz Chain1