

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5180	99.69%	0	Fig.1
802.11a	5180	99.69%	0	Fig.2
802.11n HT20	5180	99.88%	0	Fig.3
802.11n HT20	5180	99.85%	0	Fig.4
802.11ac VHT20	5180	99.90%	0	Fig.5
802.11ac VHT20	5180	99.89%	0	Fig.6
802.11n HT40	5190	99.90%	0	Fig.7
802.11n HT40	5190	99.89%	0	Fig.8
802.11ac VHT40	5190	99.87%	0	Fig.9
802.11ac VHT40	5190	99.87%	0	Fig.10
802.11ac VHT80	5210	99.71%	0	Fig.11
802.11ac VHT80	5210	99.75%	0	Fig.12

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

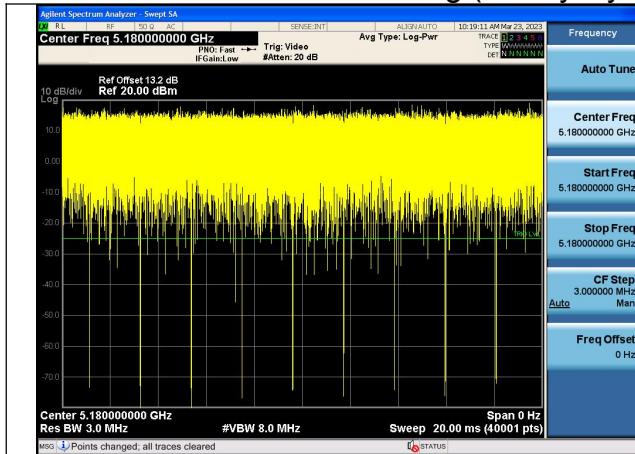


Fig.1

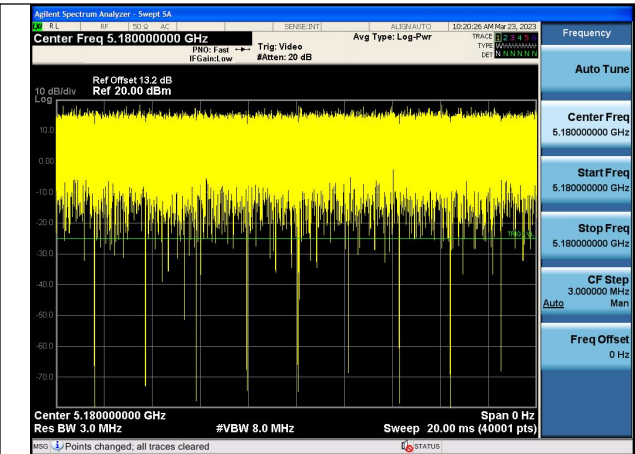


Fig.2

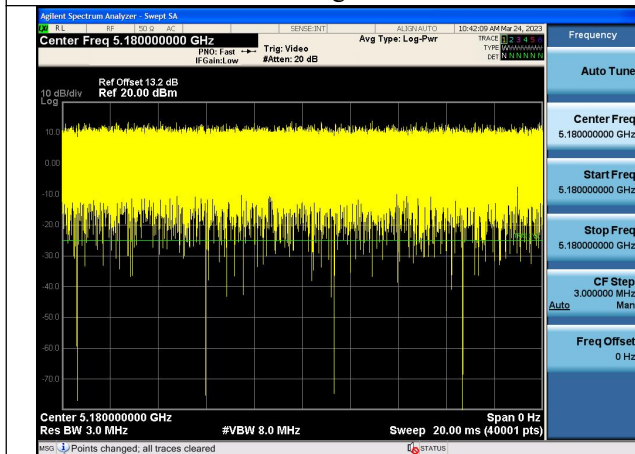


Fig.3

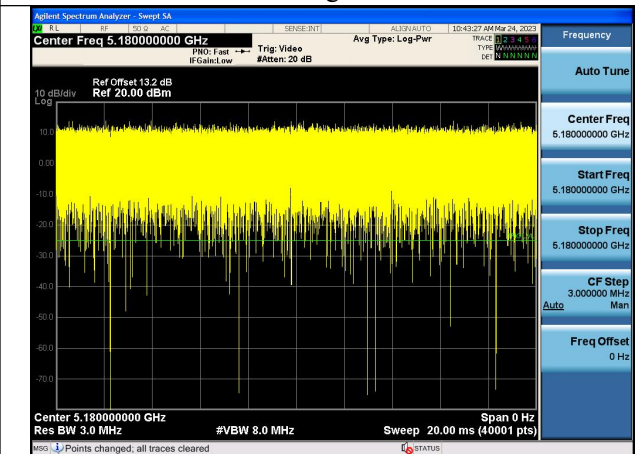


Fig.4

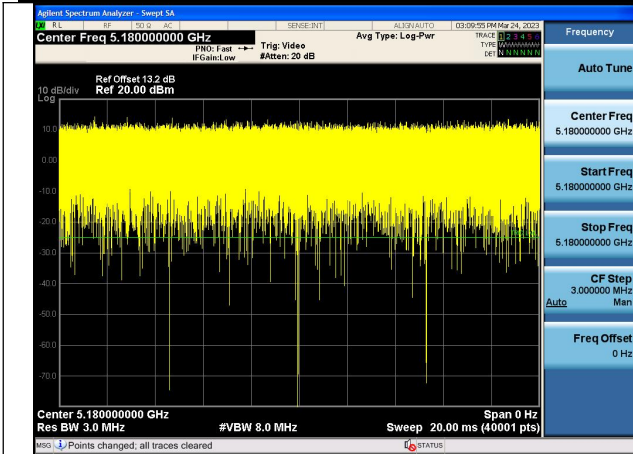


Fig.5

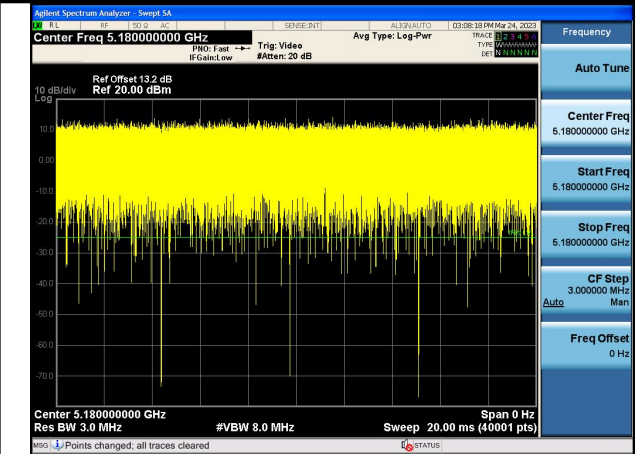


Fig.6

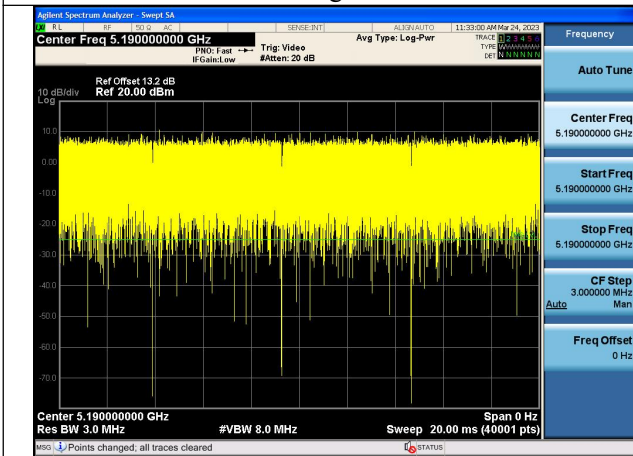


Fig.7

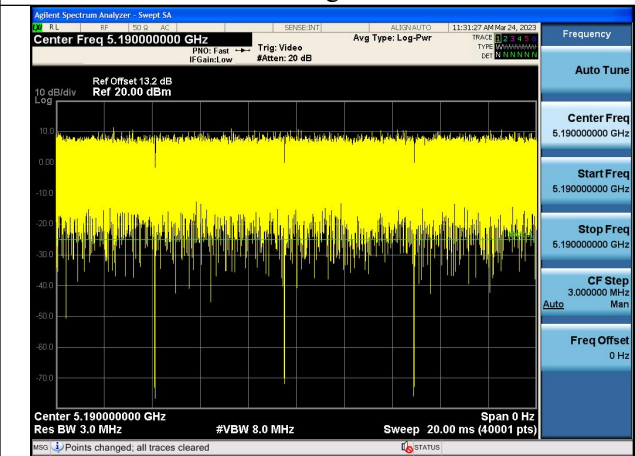


Fig.8

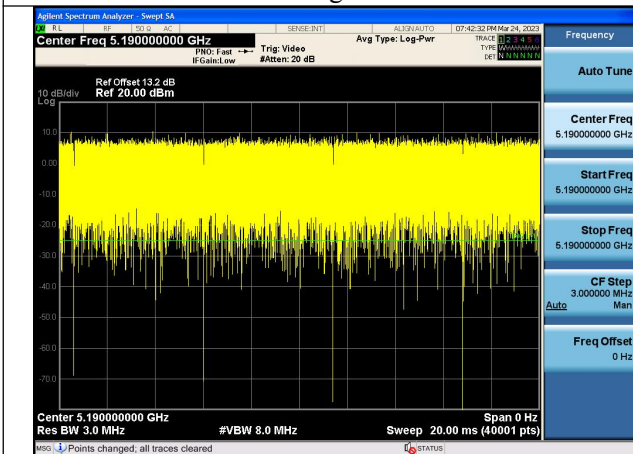


Fig.9

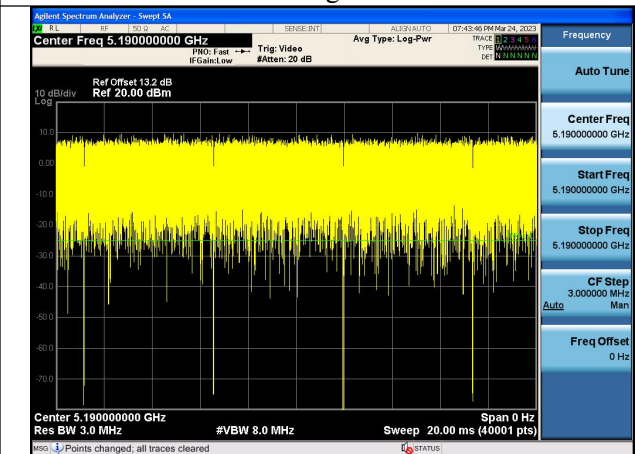


Fig.10

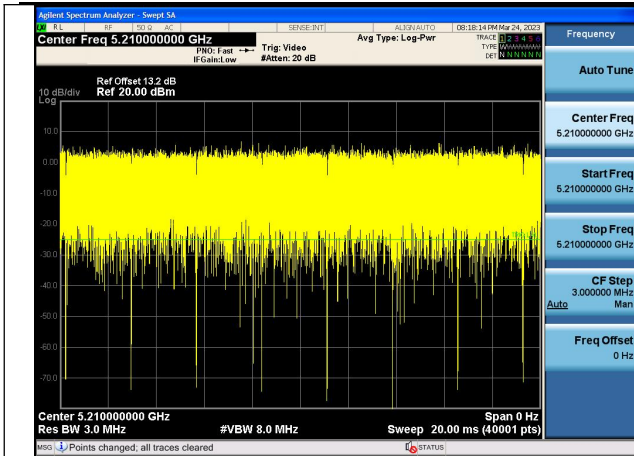


Fig.11

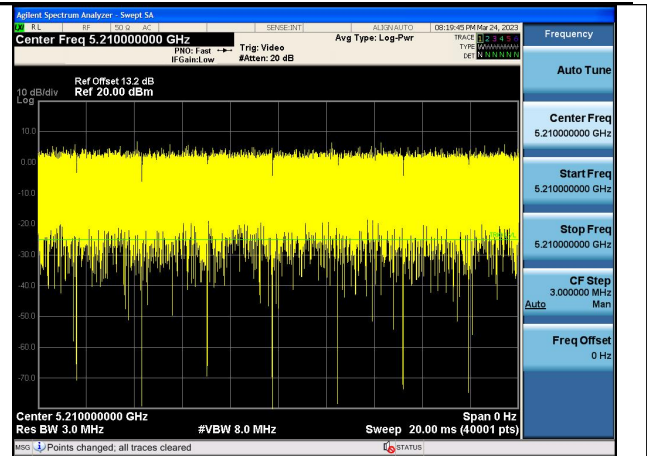


Fig.12

Output Power

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5180	Chain0	15.35	17.45
802.11a	NA	5180	Chain1	15.64	18.05
802.11a	NA	5220	Chain0	15.30	17.40
802.11a	NA	5220	Chain1	15.14	17.55
802.11a	NA	5240	Chain0	15.03	17.13
802.11a	NA	5240	Chain1	14.87	17.28
802.11n HT20	NA	5180	Chain0	11.69	13.79
802.11n HT20	NA	5180	Chain1	11.82	14.23
802.11n HT20	NA	5180	MIMO	14.77	17.03
802.11n HT20	NA	5220	Chain0	11.03	13.13
802.11n HT20	NA	5220	Chain1	11.21	13.62
802.11n HT20	NA	5220	MIMO	14.13	16.39
802.11n HT20	NA	5240	Chain0	11.24	13.34
802.11n HT20	NA	5240	Chain1	11.14	13.55
802.11n HT20	NA	5240	MIMO	14.20	16.46
802.11ac VHT20	NA	5180	Chain0	11.73	13.83
802.11ac VHT20	NA	5180	Chain1	11.70	14.11
802.11ac VHT20	NA	5180	MIMO	14.73	16.99
802.11ac VHT20	NA	5220	Chain0	11.31	13.41
802.11ac VHT20	NA	5220	Chain1	11.13	13.54
802.11ac VHT20	NA	5220	MIMO	14.23	16.49
802.11ac VHT20	NA	5240	Chain0	11.62	13.72
802.11ac VHT20	NA	5240	Chain1	11.52	13.93
802.11ac VHT20	NA	5240	MIMO	14.58	16.84
802.11n HT40	NA	5190	Chain0	11.25	13.35
802.11n HT40	NA	5190	Chain1	11.21	13.62
802.11n HT40	NA	5190	MIMO	14.24	16.50
802.11n HT40	NA	5230	Chain0	10.97	13.07
802.11n HT40	NA	5230	Chain1	10.67	13.08
802.11n HT40	NA	5230	MIMO	13.83	16.09
802.11ac VHT40	NA	5190	Chain0	11.10	13.20
802.11ac VHT40	NA	5190	Chain1	11.29	13.70
802.11ac VHT40	NA	5190	MIMO	14.21	16.47
802.11ac VHT40	NA	5230	Chain0	11.18	13.28
802.11ac VHT40	NA	5230	Chain1	11.18	13.59
802.11ac VHT40	NA	5230	MIMO	14.19	16.45
802.11ac VHT80	NA	5210	Chain0	10.68	12.78
802.11ac VHT80	NA	5210	Chain1	10.67	13.08
802.11ac VHT80	NA	5210	MIMO	13.69	15.95

Emission Bandwidth

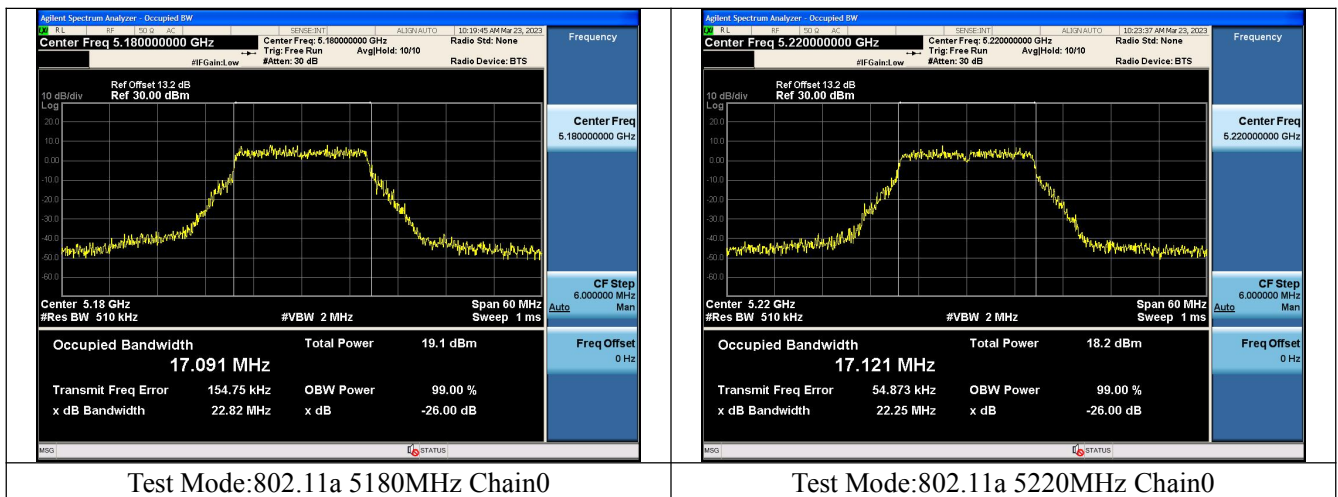
Offset 13.2dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.554	Channel No.562	Channel No.566
		5180MHz	5220MHz	5240MHz
802.11a	Chain0	22.82	22.25	21.92
802.11a	Chain1	22.71	22.12	22.51
802.11n HT20	Chain0	23.31	23.07	22.64
802.11n HT20	Chain1	22.70	23.61	22.95
802.11ac VHT20	Chain0	23.34	23.32	23.17
802.11ac VHT20	Chain1	23.48	22.75	22.55

Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.556	---	Channel No.564
		5190MHz	---	5230MHz
802.11n HT40	Chain0	44.09	---	44.10
802.11n HT40	Chain1	43.72	---	43.75
802.11ac VHT40	Chain0	44.00	---	43.64
802.11ac VHT40	Chain1	44.14	---	44.19

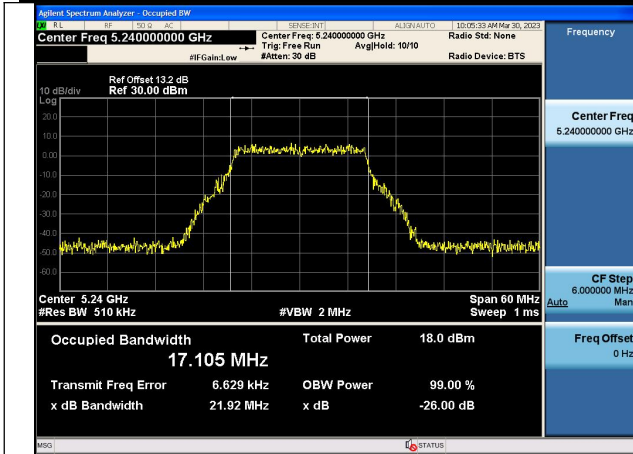
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.560	---	---
		5210MHz	---	---
802.11ac VHT80	Chain0	89.27	---	---
802.11ac VHT80	Chain1	88.95	---	---

Test Mode: 802.11a

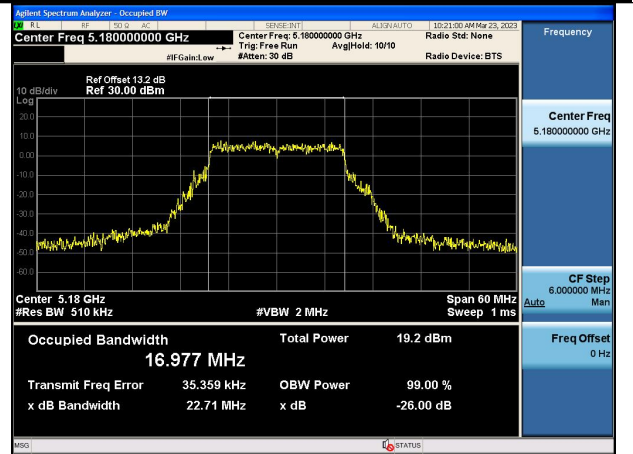


Test Mode:802.11a 5180MHz Chain0

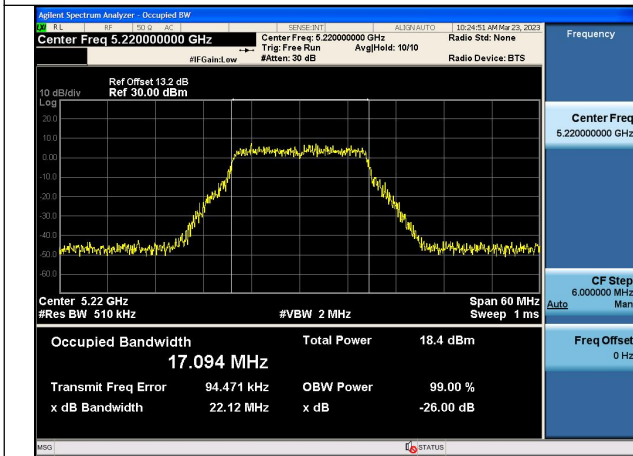
Test Mode:802.11a 5220MHz Chain0



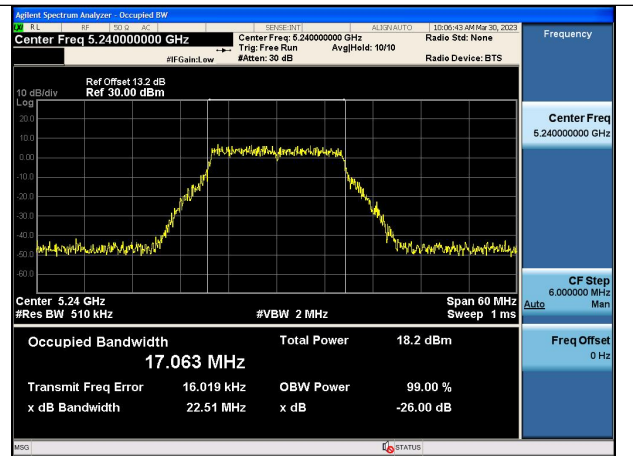
Test Mode:802.11a 5240MHz Chain0



Test Mode:802.11a 5180MHz Chain1

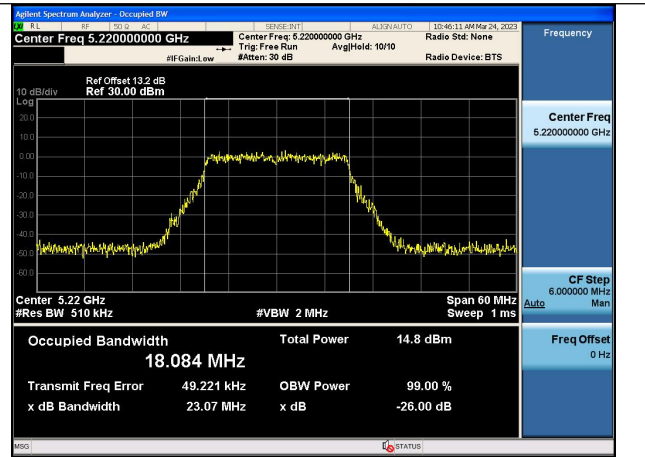
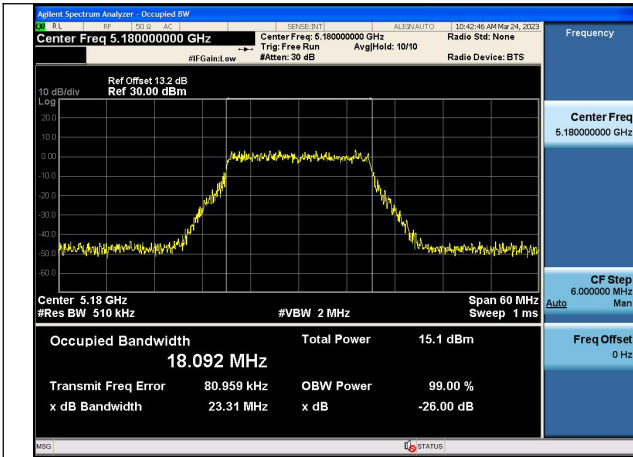


Test Mode:802.11a 5220MHz Chain1



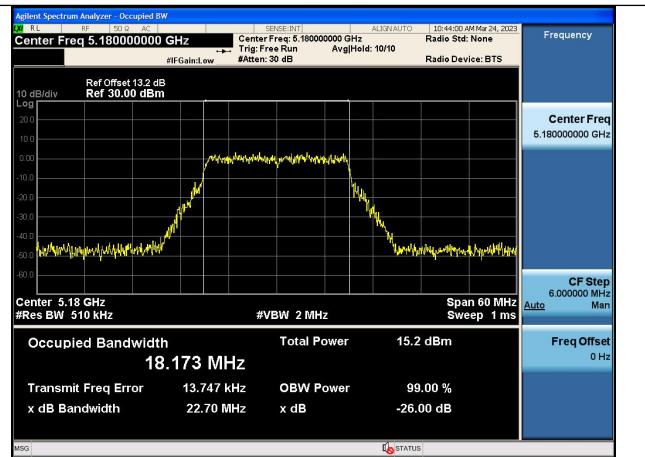
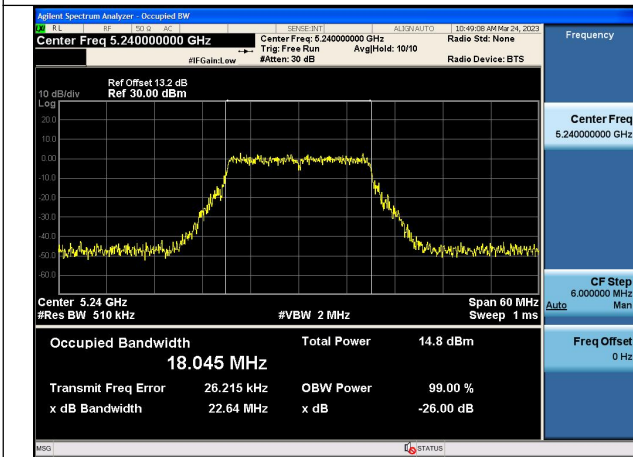
Test Mode:802.11a 5240MHz Chain1

Test Mode: 802.11n HT20



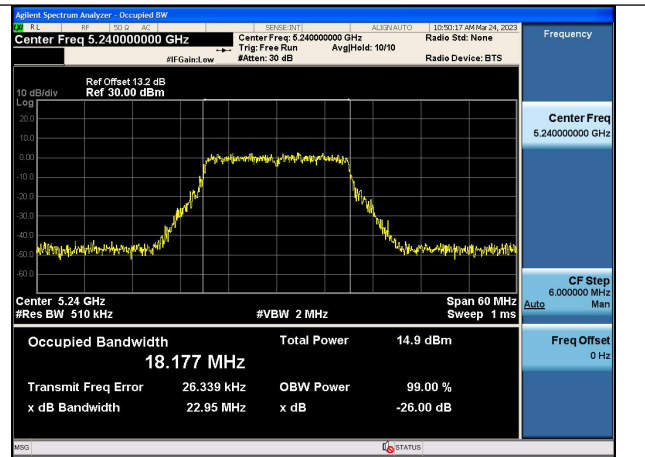
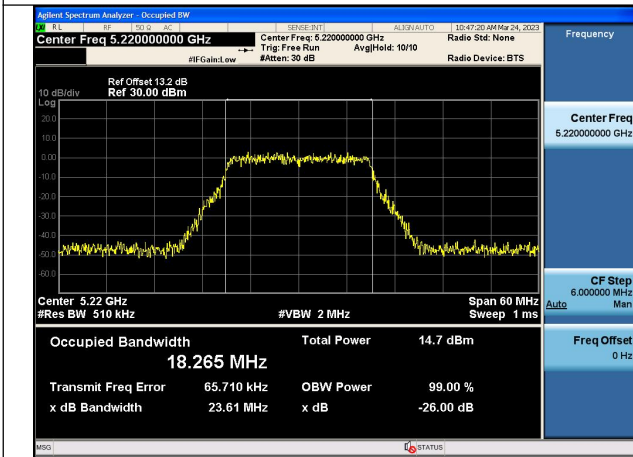
Test Mode:802.11n HT20 5180MHz Chain0

Test Mode:802.11n HT20 5220MHz Chain0



Test Mode:802.11n HT20 5240MHz Chain0

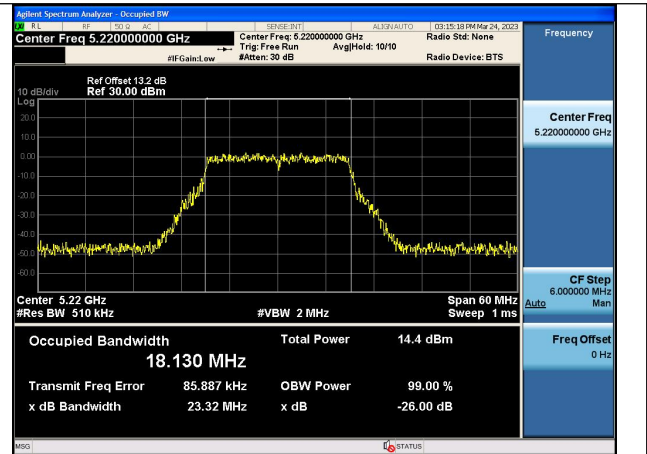
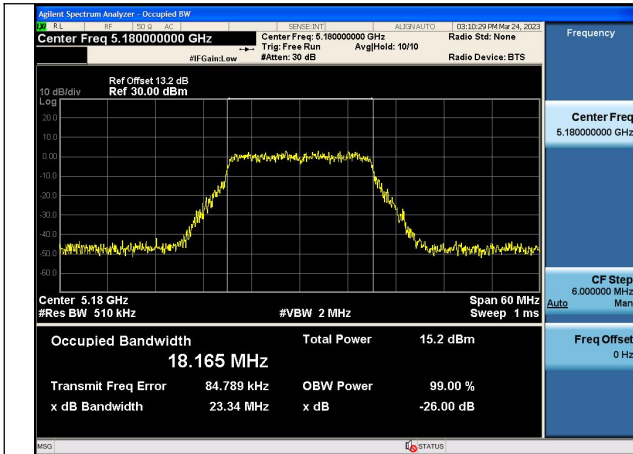
Test Mode:802.11n HT20 5180MHz Chain1



Test Mode:802.11n HT20 5220MHz Chain1

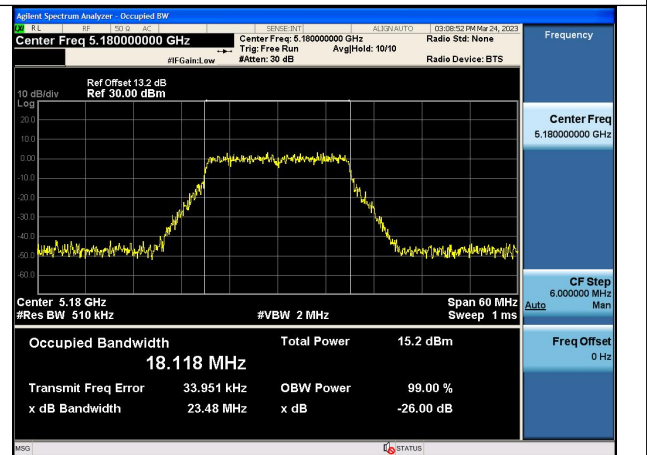
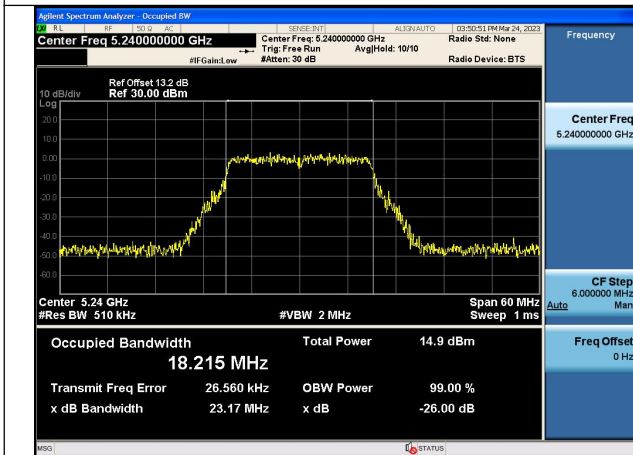
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Test Mode: 802.11ac VHT20



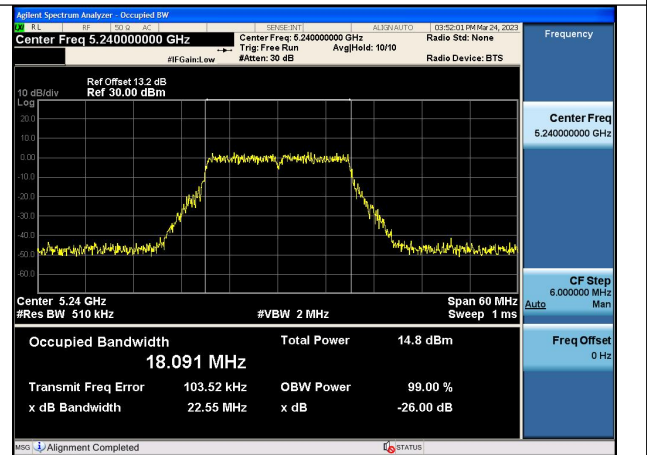
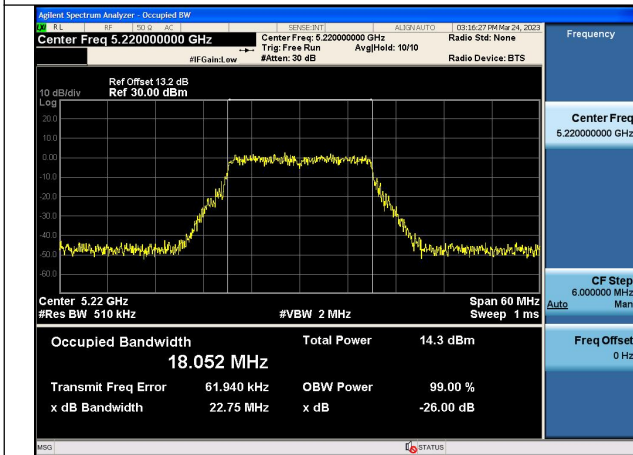
Test Mode:802.11ac VHT20 5180MHz Chain0

Test Mode:802.11ac VHT20 5220MHz Chain0



Test Mode:802.11ac VHT20 5240MHz Chain0

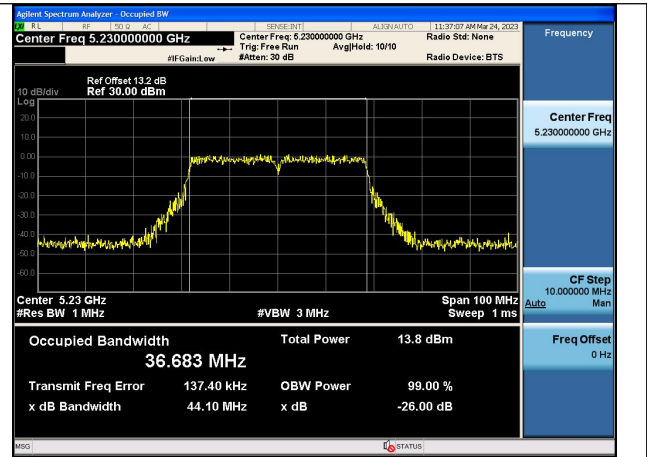
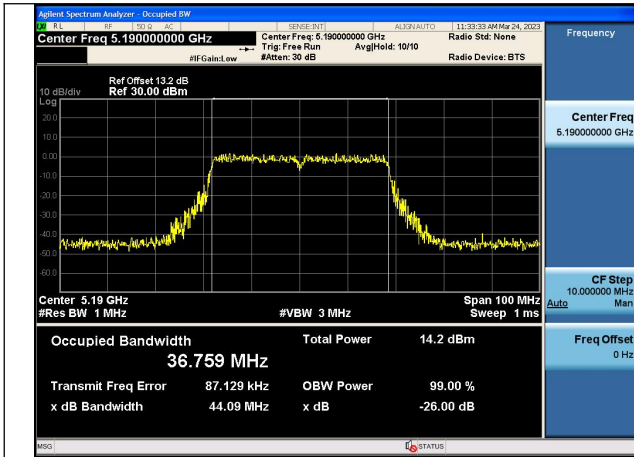
Test Mode:802.11ac VHT20 5180MHz Chain1



Test Mode:802.11ac VHT20 5220MHz Chain1

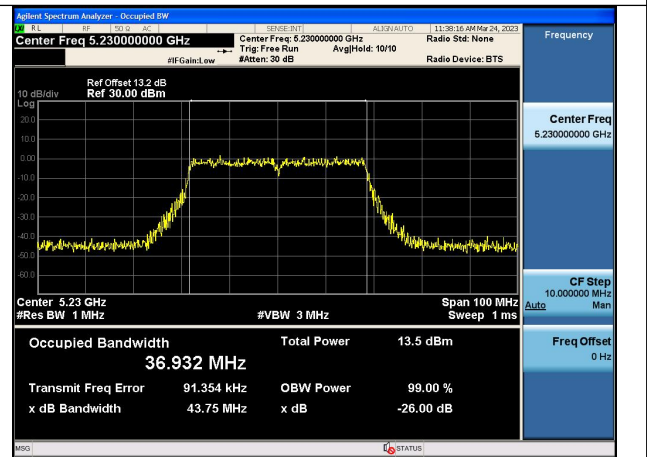
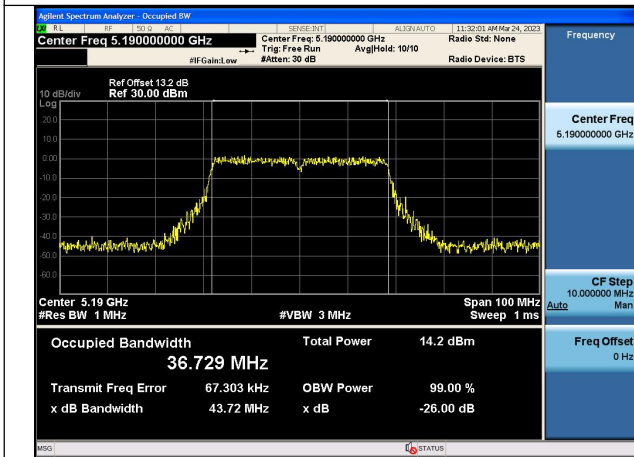
Test Mode:802.11ac VHT20 5240MHz Chain1

Test Mode: 802.11n HT40



Test Mode:802.11n HT40 5190MHz Chain0

Test Mode:802.11n HT40 5230MHz Chain0



Test Mode:802.11n HT40 5190MHz Chain1

Test Mode:802.11n HT40 5230MHz Chain1