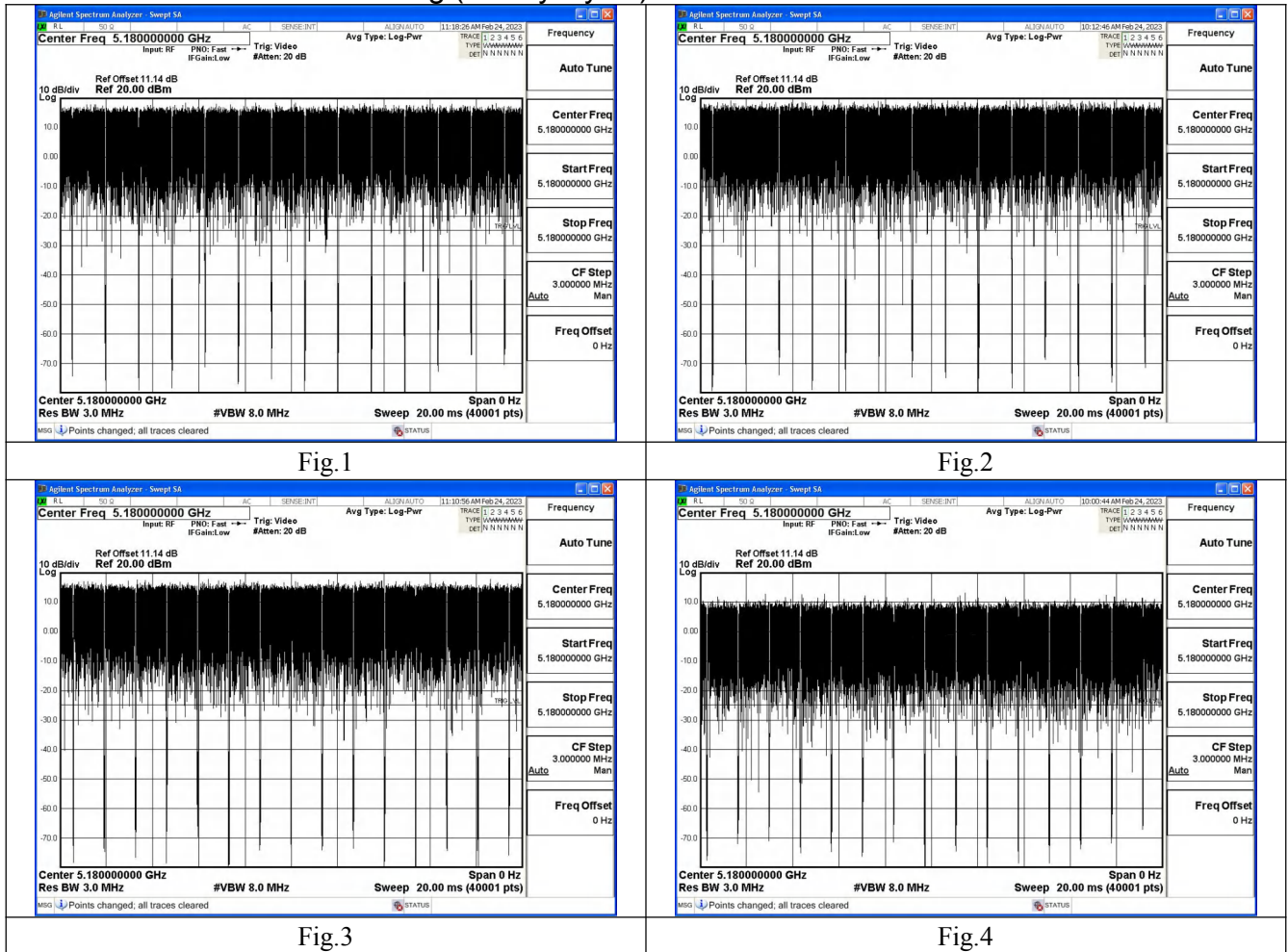


## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

### Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)	Plot
802.11a	5180	99.07%	0	Fig.1
802.11a	5180	99.03%	0	Fig.2
802.11n HT20	5180	99.00%	0	Fig.3
802.11n HT20	5180	98.99%	0	Fig.4
802.11n HT40	5190	98.05%	0	Fig.5
802.11n HT40	5190	98.06%	0	Fig.6

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



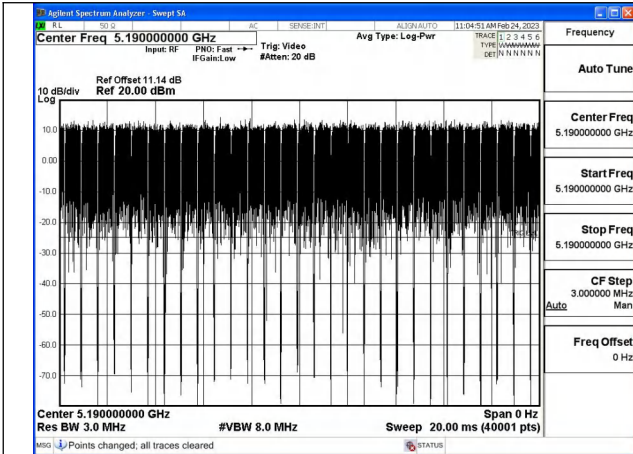


Fig.5

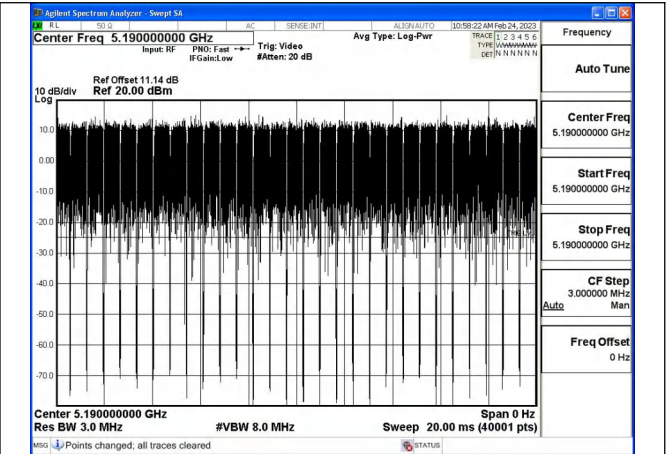


Fig.6

## Output Power

Mode	Tones/ RUIndex	Frequency (MHz)	Antenna	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5180	Chain0	15.40	19.47
802.11a	NA	5180	Chain1	15.95	18.45
802.11a	NA	5220	Chain0	15.32	19.39
802.11a	NA	5220	Chain1	15.78	18.28
802.11a	NA	5240	Chain0	15.49	19.56
802.11a	NA	5240	Chain1	16.05	18.55
802.11n HT20	NA	5180	Chain0	12.53	16.60
802.11n HT20	NA	5180	Chain1	14.10	16.60
802.11n HT20	NA	5180	MIMO	16.40	19.76
802.11n HT20	NA	5220	Chain0	11.89	15.96
802.11n HT20	NA	5220	Chain1	14.17	16.67
802.11n HT20	NA	5220	MIMO	16.19	19.55
802.11n HT20	NA	5240	Chain0	12.50	16.57
802.11n HT20	NA	5240	Chain1	14.26	16.76
802.11n HT20	NA	5240	MIMO	16.48	19.84
802.11n HT40	NA	5190	Chain0	12.61	16.68
802.11n HT40	NA	5190	Chain1	14.13	16.63
802.11n HT40	NA	5190	MIMO	16.45	19.81
802.11n HT40	NA	5230	Chain0	12.38	16.45
802.11n HT40	NA	5230	Chain1	14.57	17.07
802.11n HT40	NA	5230	MIMO	16.62	19.98

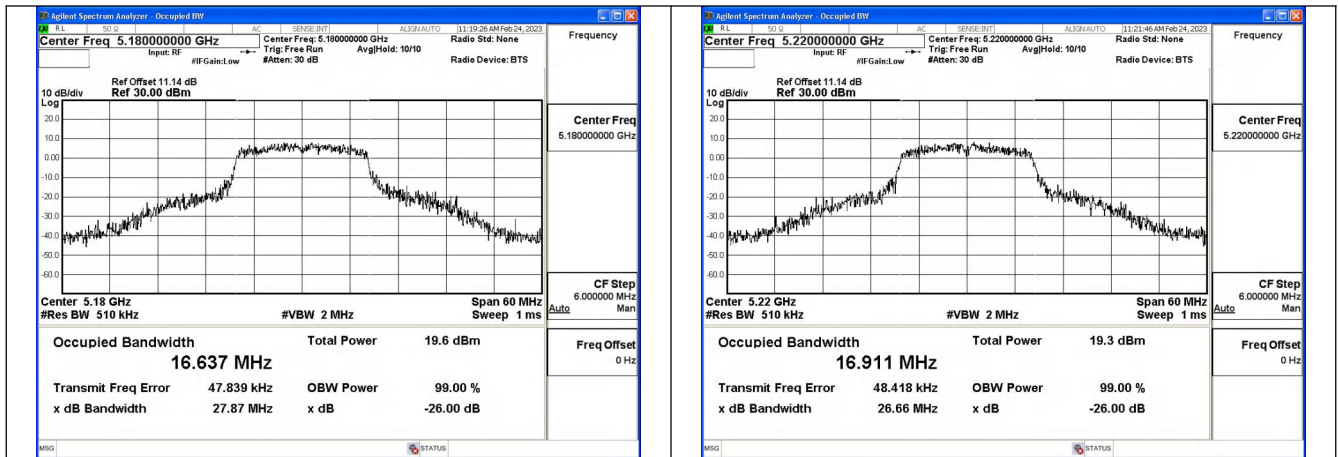
### Emission Bandwidth

Offset 11.14dB = 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	27.87	26.66	29.25
802.11a	Chain1	24.65	25.23	24.09
802.11n HT20	Chain0	29.05	25.66	27.86
802.11n HT20	Chain1	19.75	22.84	20.71

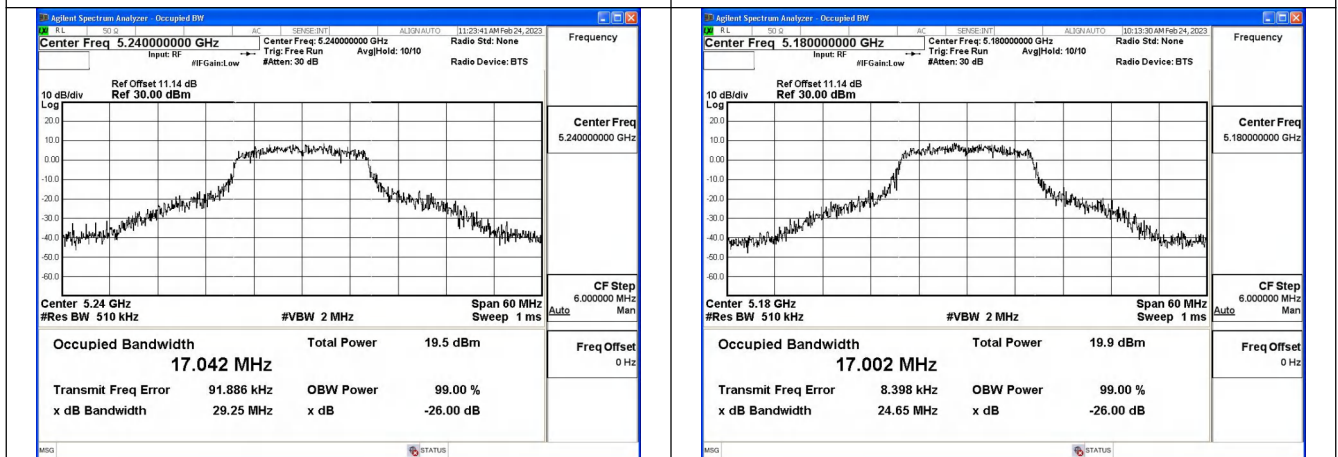
Test Mode	Antenna	26dB Bandwidth (MHz)		
		Channel No.556	---	Channel No.564
		5190MHz	---	5230MHz
802.11n HT40	Chain0	40.89	---	49.51
802.11n HT40	Chain1	40.07	---	40.01

Test Mode: 802.11a



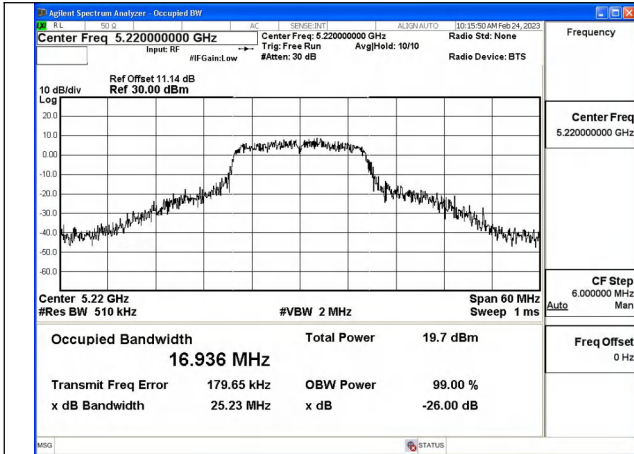
Test Mode:802.11a 5180MHz Chain0

Test Mode:802.11a 5220MHz Chain0

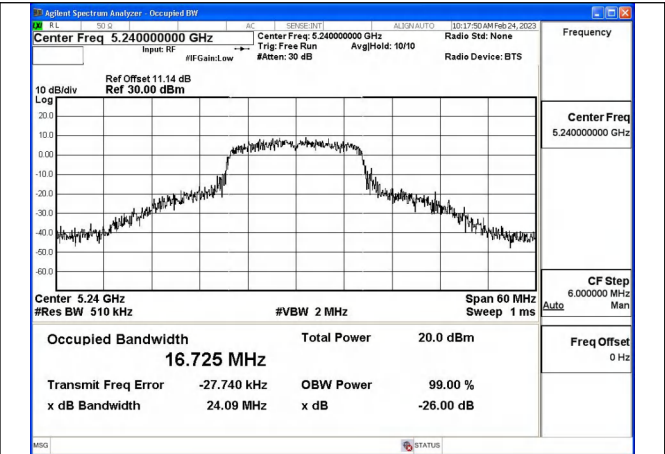


Test Mode:802.11a 5240MHz Chain0

Test Mode:802.11a 5180MHz Chain1

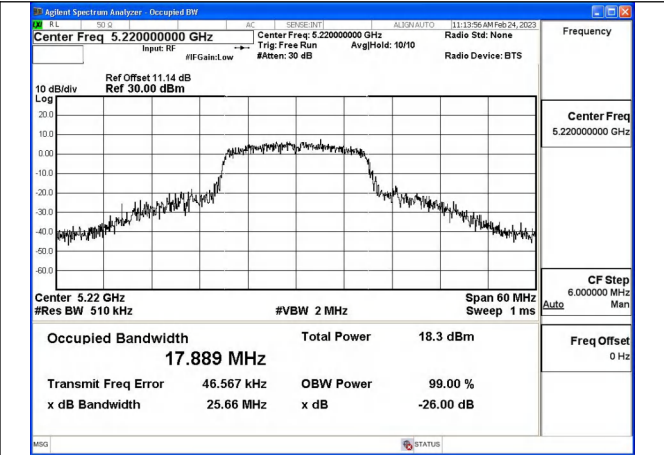
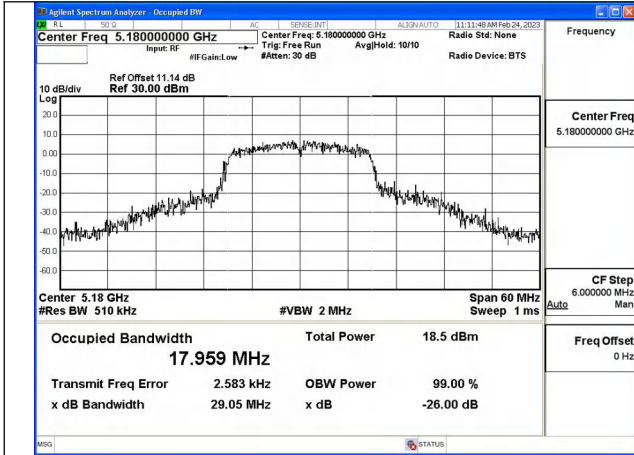


Test Mode:802.11a 5220MHz Chain1



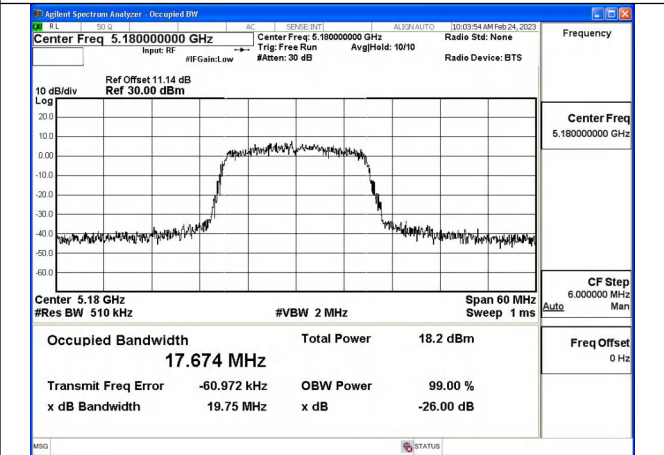
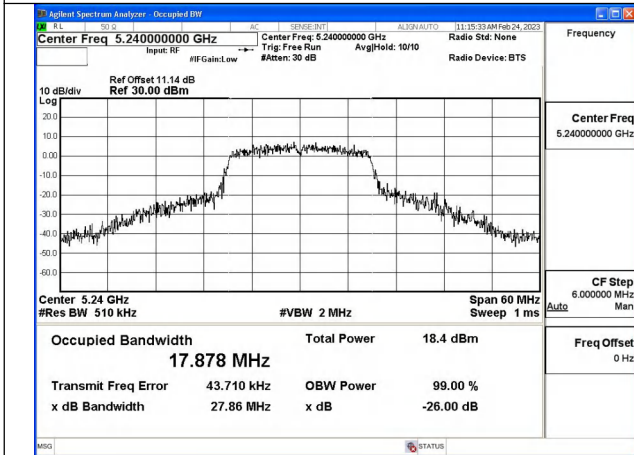
Test Mode:802.11a 5240MHz Chain1

Test Mode: 802.11n HT20



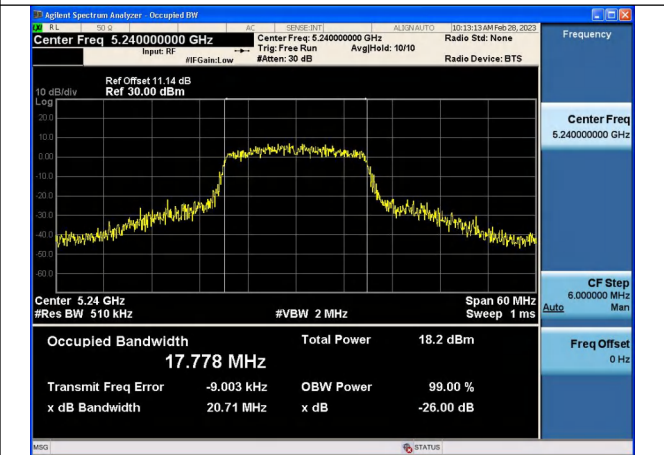
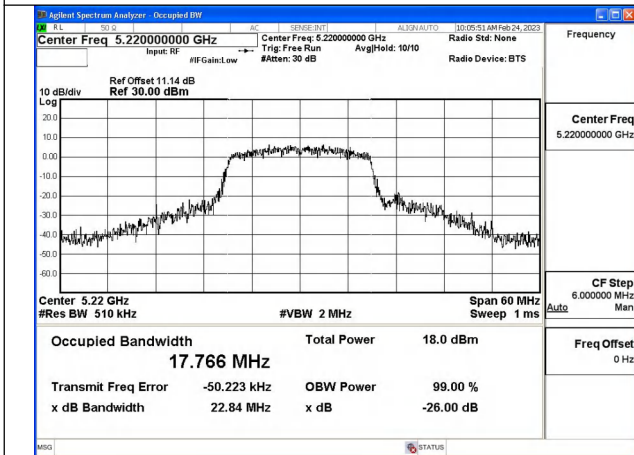
Test Mode:802.11n HT20 5180MHz Chain0

Test Mode:802.11n HT20 5220MHz Chain0



Test Mode:802.11n HT20 5240MHz Chain0

Test Mode:802.11n HT20 5180MHz Chain1

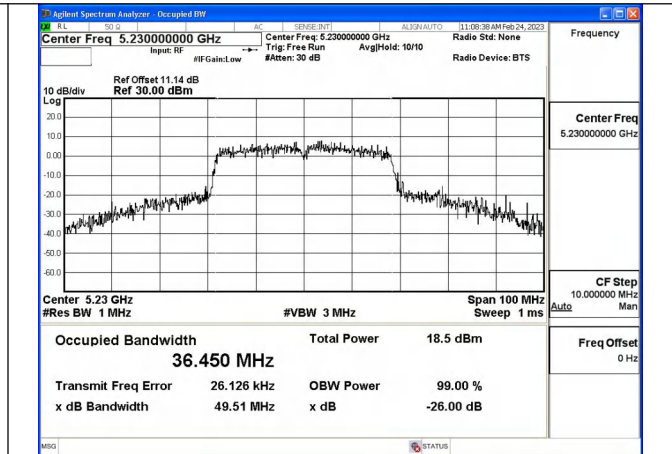
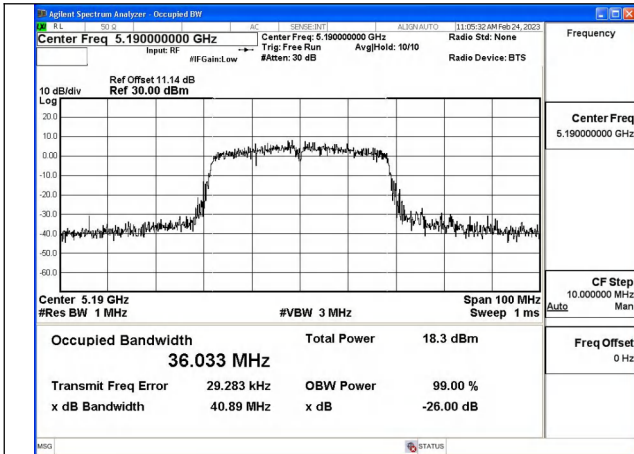


Test Mode:802.11n HT20 5220MHz Chain1

Test Mode:802.11n HT20 5240MHz Chain1

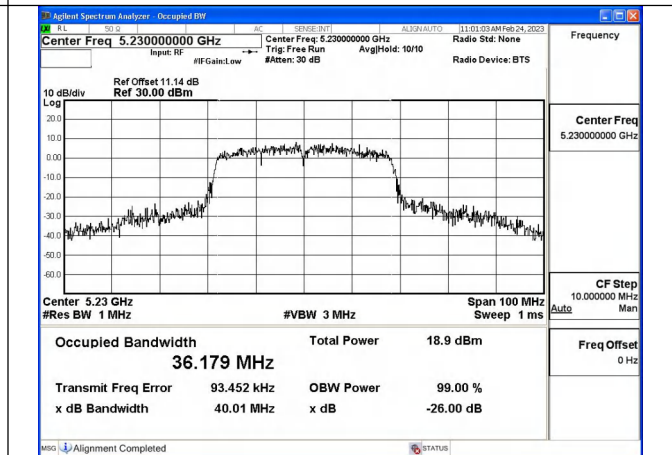
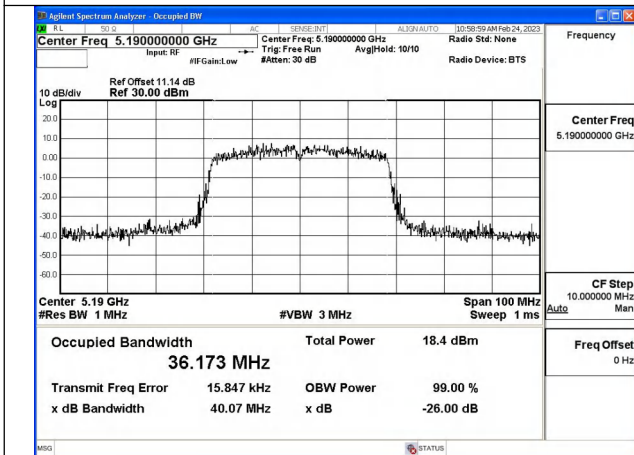


Test Mode: 802.11n HT40



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

### Occupied Bandwidth

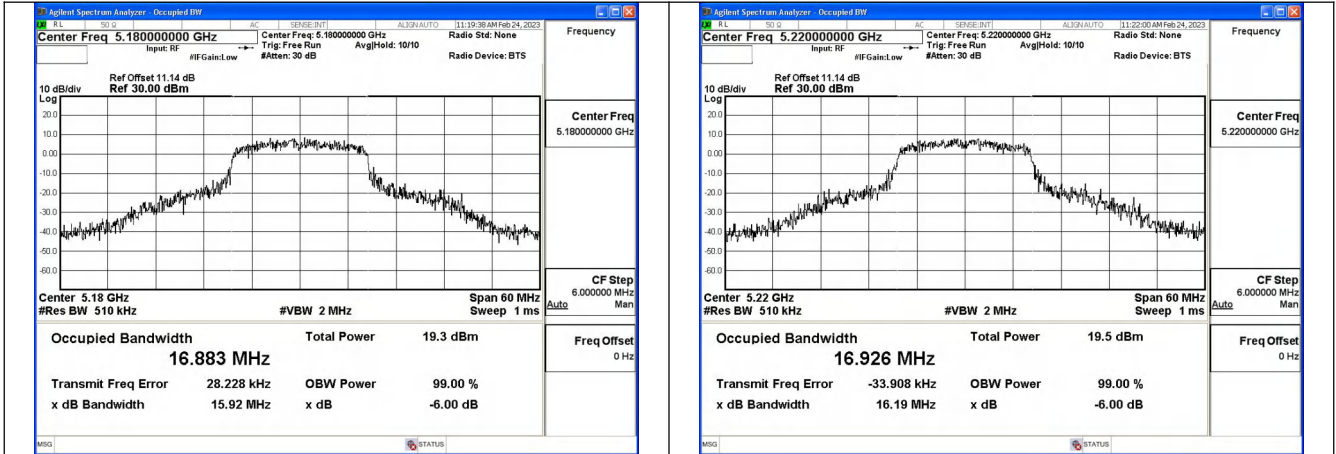
Offset 11.14dB = Attenuator + Temporary antenna connector loss + Cable loss

Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.554	Channel No.562	Channel No.566
		5180MHz	5220MHz	5240MHz
802.11a	Chain0	16.883	16.926	16.996
802.11a	Chain1	16.864	16.894	16.871
802.11n HT20	Chain0	17.911	17.956	17.843
802.11n HT20	Chain1	17.649	17.847	17.708



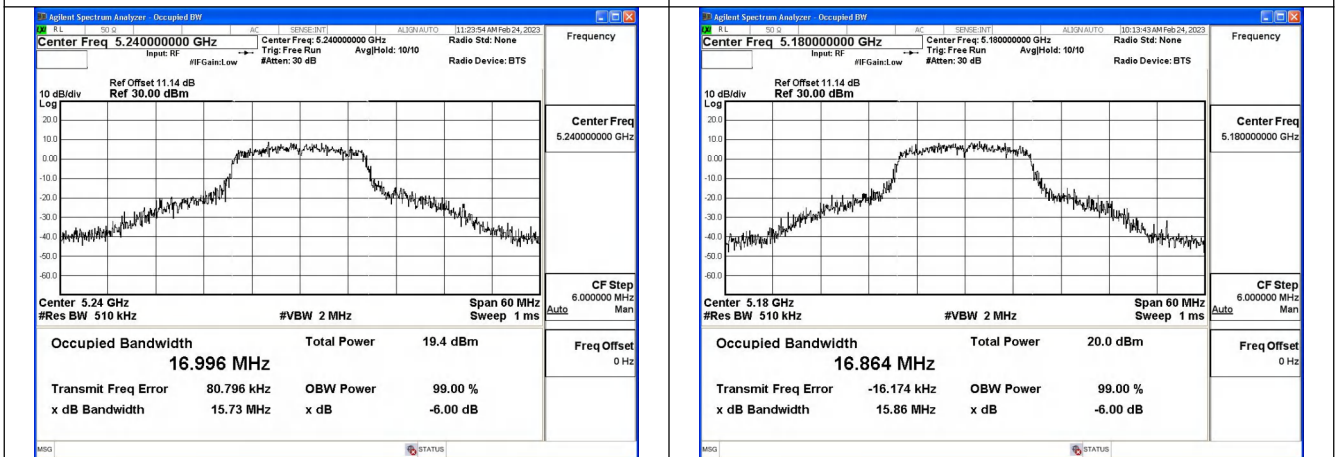
Test Mode	Antenna	Occupied Bandwidth (MHz)		
		Channel No.556	---	Channel No.564
		5190MHz	---	5230MHz
802.11n HT40	Chain0	36.352	---	36.407
802.11n HT40	Chain1	36.105	---	36.262

Test Mode: 802.11a



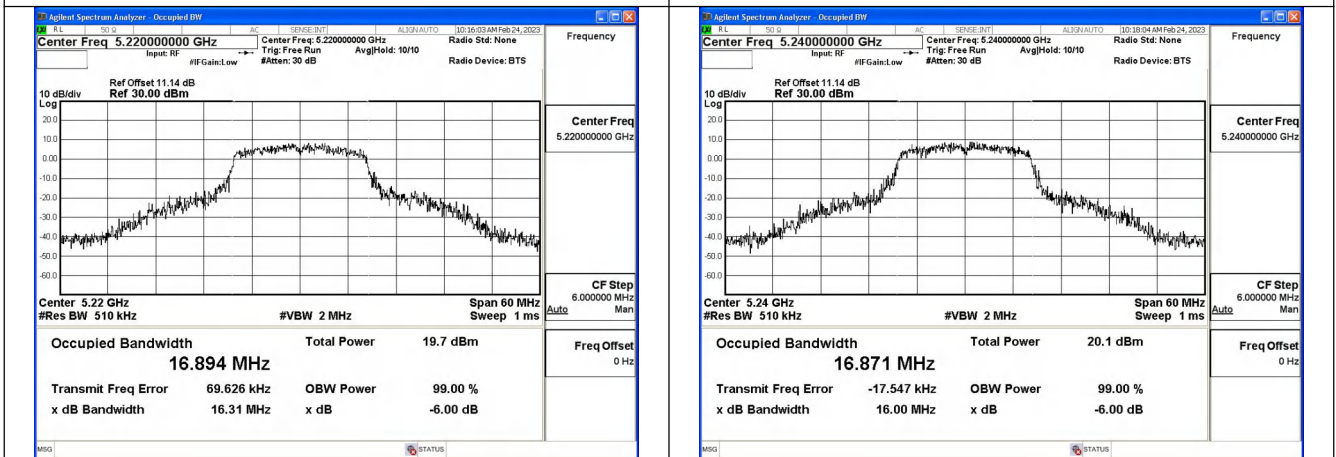
Test Mode:802.11a 5180MHz Chain0

Test Mode:802.11a 5220MHz Chain0



Test Mode:802.11a 5240MHz Chain0

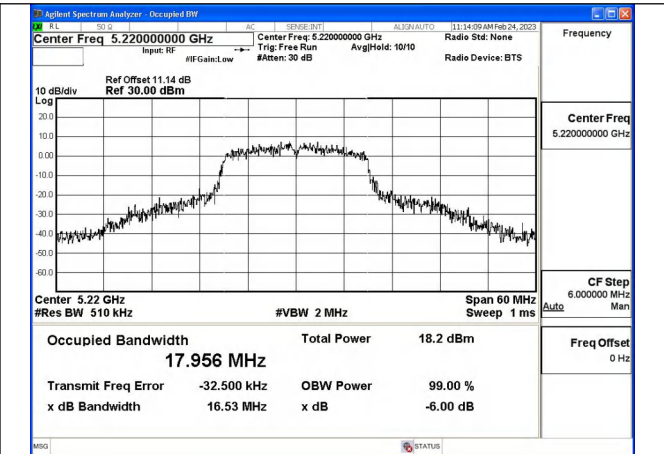
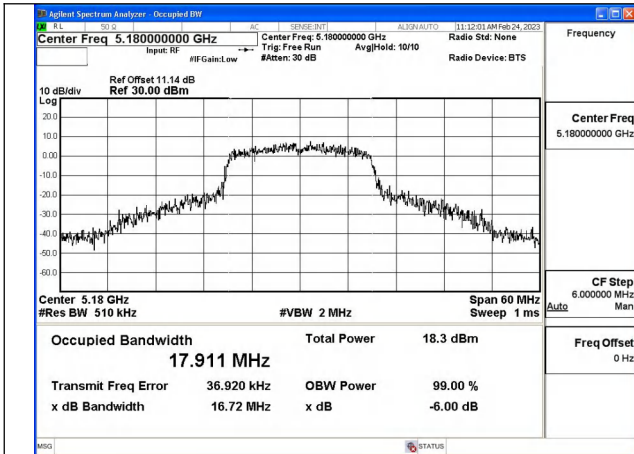
Test Mode:802.11a 5180MHz Chain1



Test Mode:802.11a 5220MHz Chain1

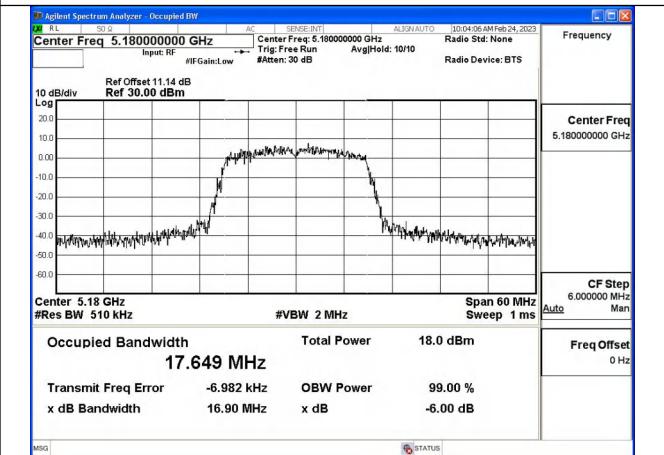
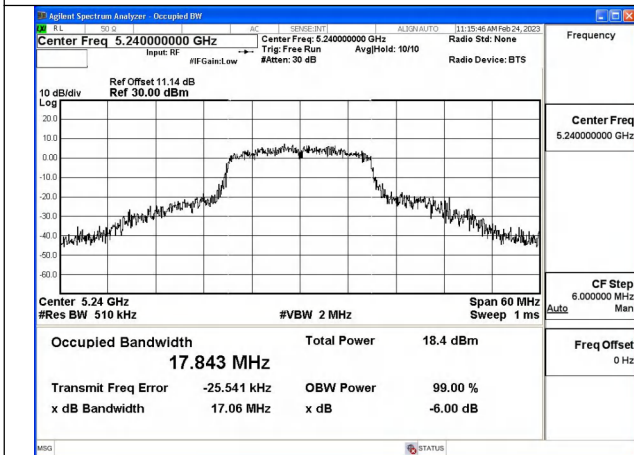
Test Mode:802.11a 5240MHz Chain1

Test Mode: 802.11n HT20



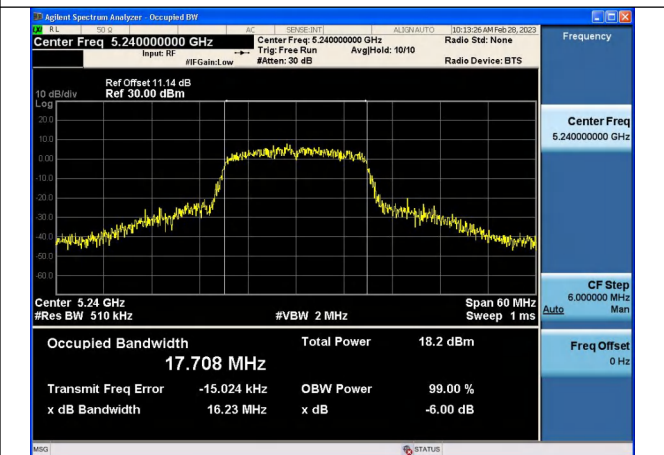
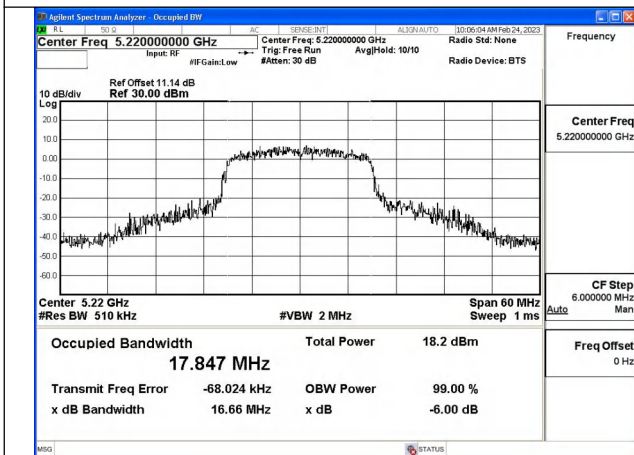
Test Mode:802.11n HT20 5180MHz Chain0

Test Mode:802.11n HT20 5220MHz Chain0



Test Mode:802.11n HT20 5240MHz Chain0

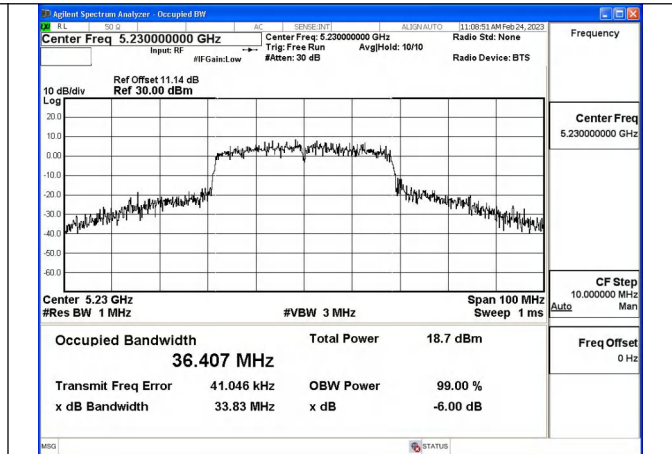
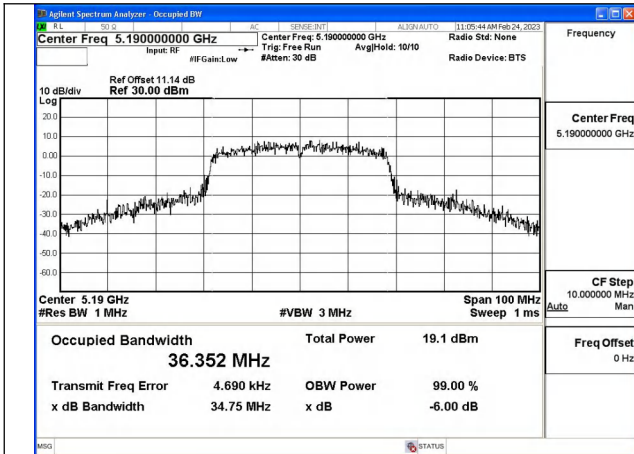
Test Mode:802.11n HT20 5180MHz Chain1



Test Mode:802.11n HT20 5220MHz Chain1

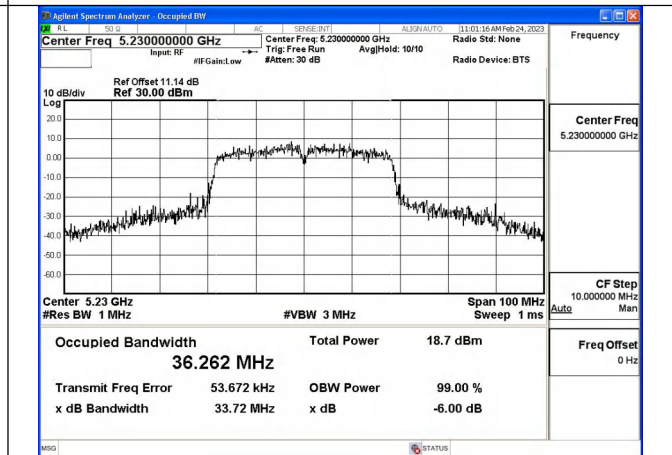
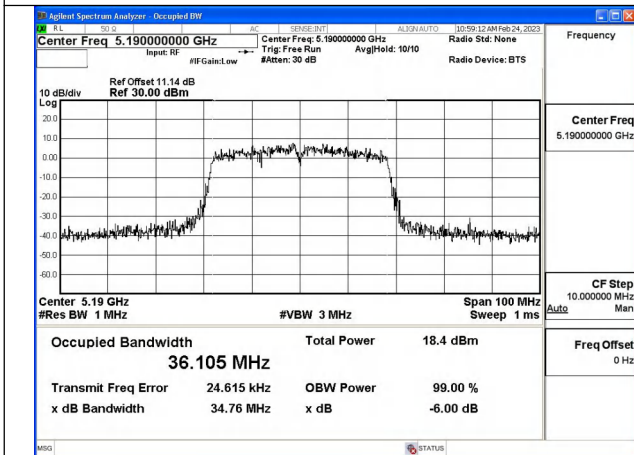
Test Mode:802.11n HT20 5240MHz Chain1

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

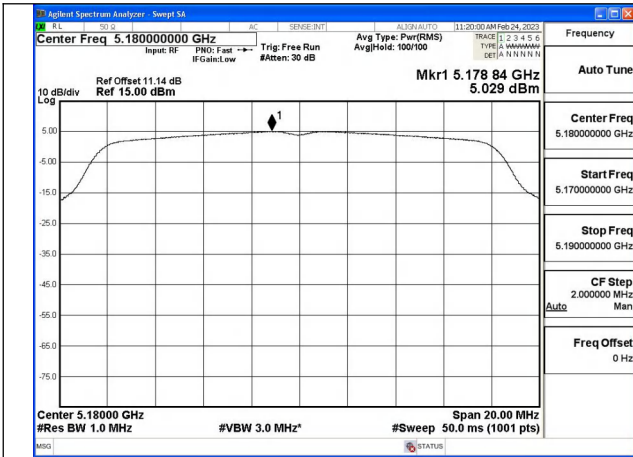
## Transmitter Power Spectral Density

Offset 11.14dB = Attenuator + Temporary antenna connector loss + Cable loss

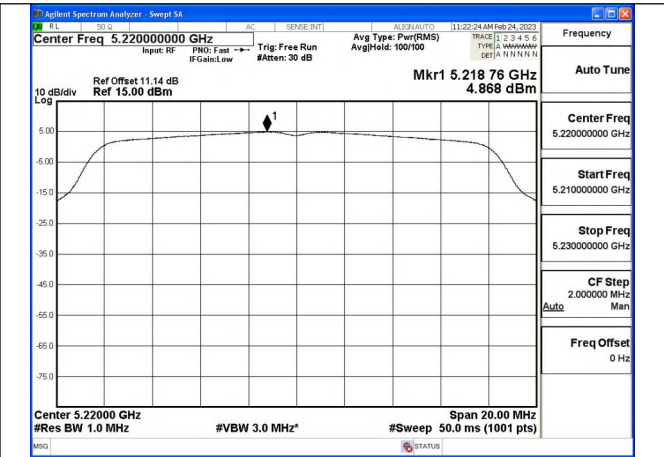
Test Mode	Antenna	Tones	5180MHz		5220MHz		5240MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11a	Chain0	NA	0	5.029	---	4.868	---	5.004
802.11a	Chain1	NA	0	5.693	---	5.243	---	5.536
802.11n HT20	Chain0	NA	0	3.855	---	3.741	---	3.925
802.11n HT20	Chain1	NA	0	3.549	---	3.621	---	4.050
802.11n HT20	MIMO	NA	0	6.715	---	6.692	---	6.998

Test Mode	Antenna	Tones	5190MHz		---		5230MHz	
			Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)	Correction Factor(dB)	Power Density (dBm/MHz)
802.11n HT40	Chain0	NA	0	1.284	---	---	---	0.510
802.11n HT40	Chain1	NA	0	0.595	---	---	---	0.864
802.11n HT40	MIMO	NA	0	3.963	---	---	---	3.701

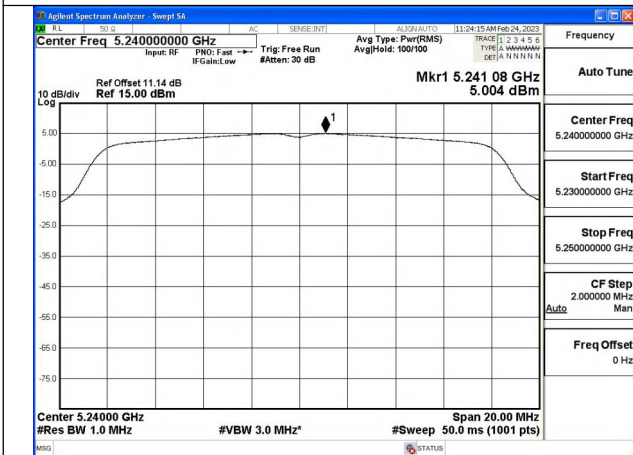
Test Mode: 802.11a



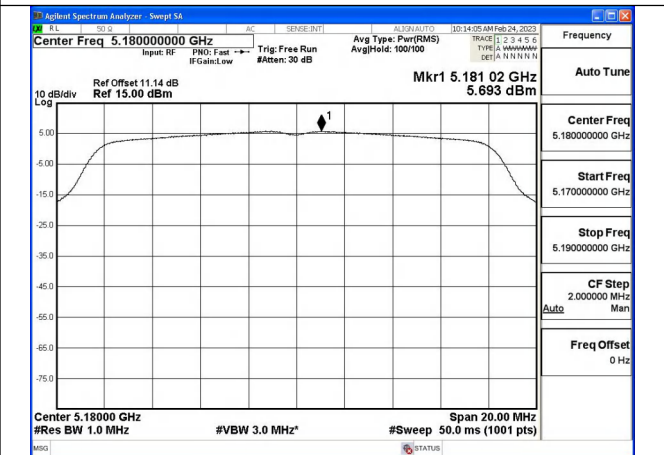
Test Mode:802.11a 5180MHz Chain0



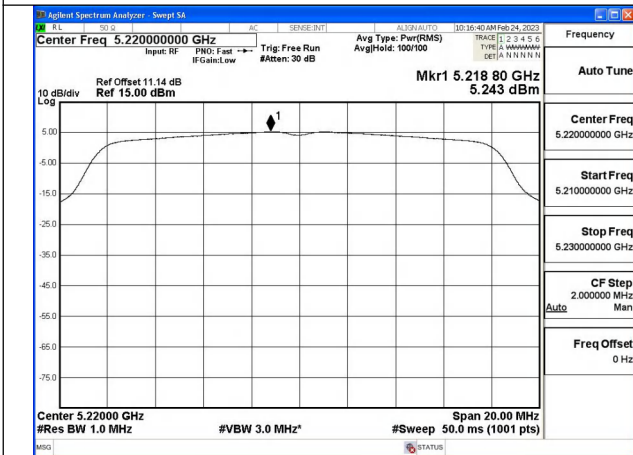
Test Mode:802.11a 5220MHz Chain0



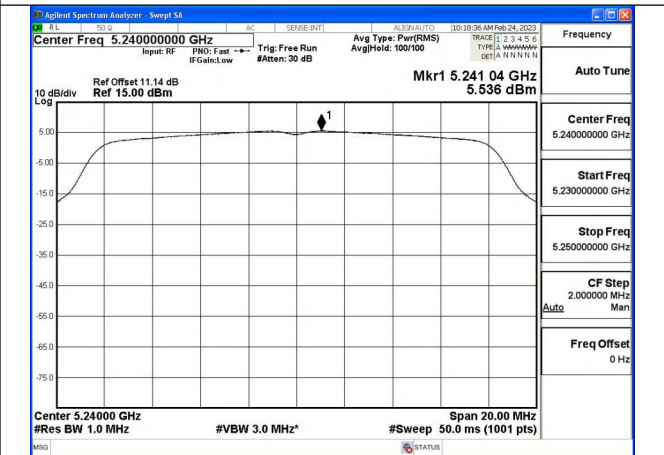
Test Mode:802.11a 5240MHz Chain0



Test Mode:802.11a 5180MHz Chain1



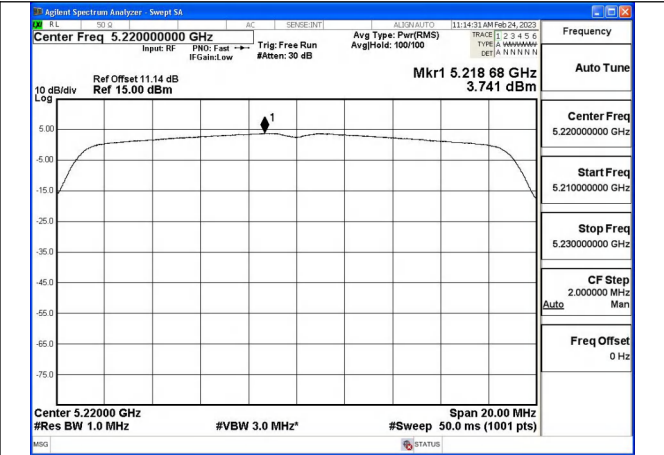
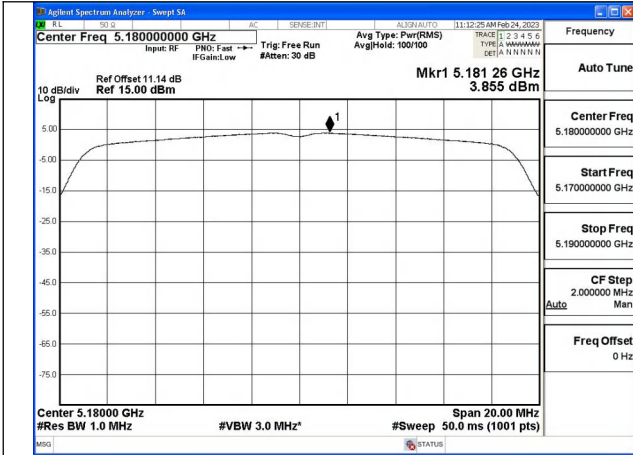
Test Mode:802.11a 5220MHz Chain1



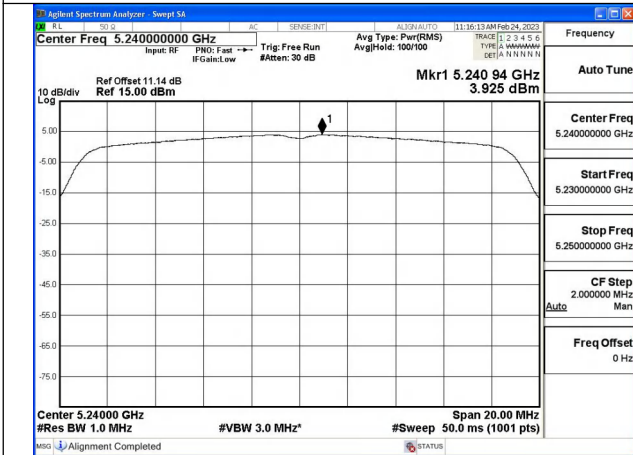
Test Mode:802.11a 5240MHz Chain1



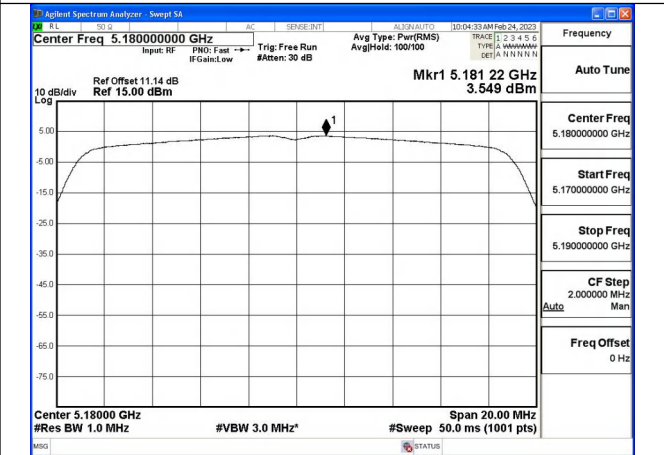
Test Mode: 802.11n HT20



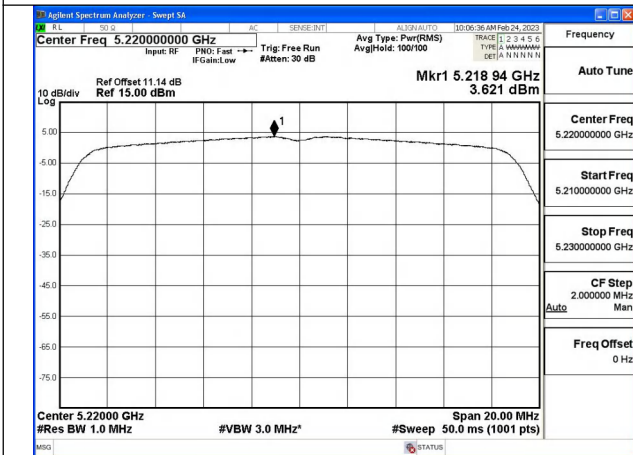
Test Mode:802.11n HT20 5180MHz Chain0



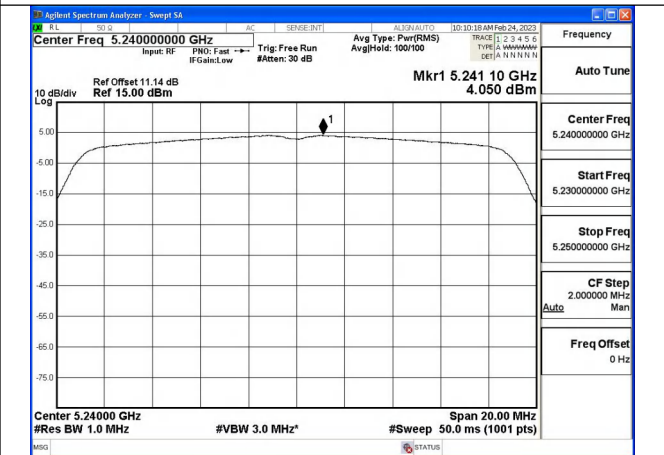
Test Mode:802.11n HT20 5220MHz Chain0



Test Mode:802.11n HT20 5240MHz Chain0



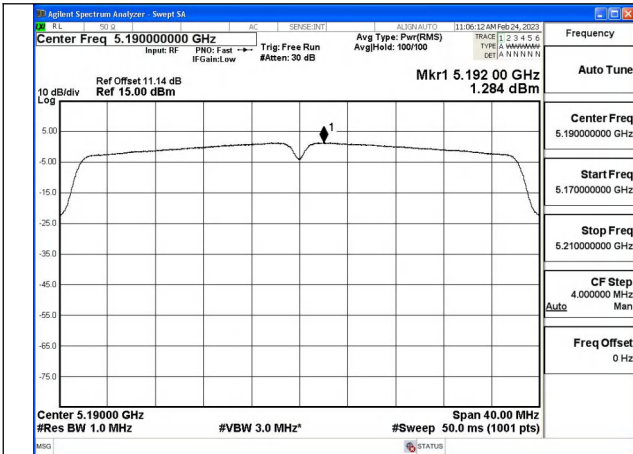
Test Mode:802.11n HT20 5180MHz Chain1



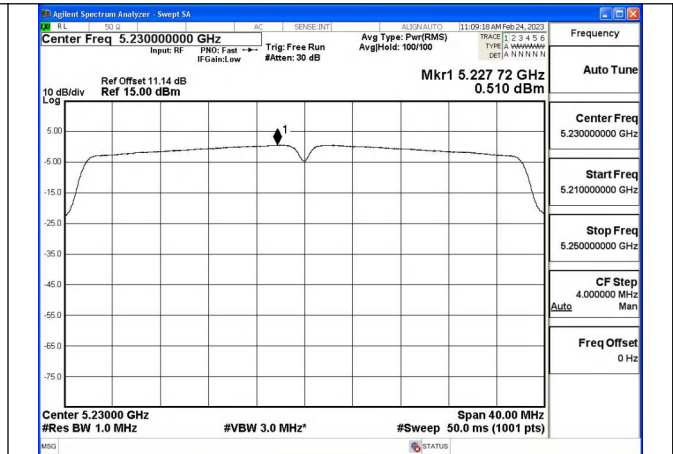
Test Mode:802.11n HT20 5220MHz Chain1

Test Mode:802.11n HT20 5240MHz Chain1

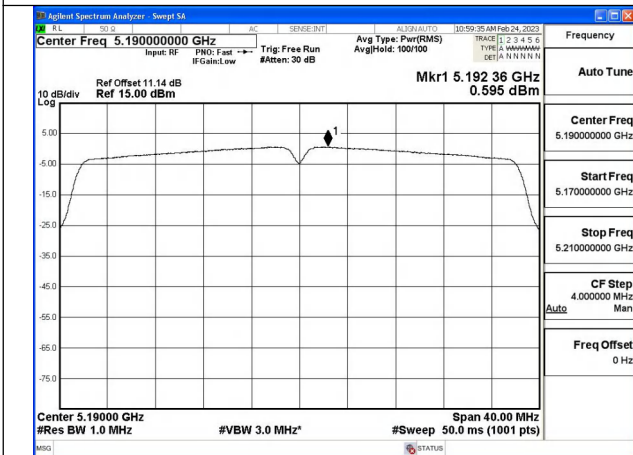
Test Mode: 802.11n HT40



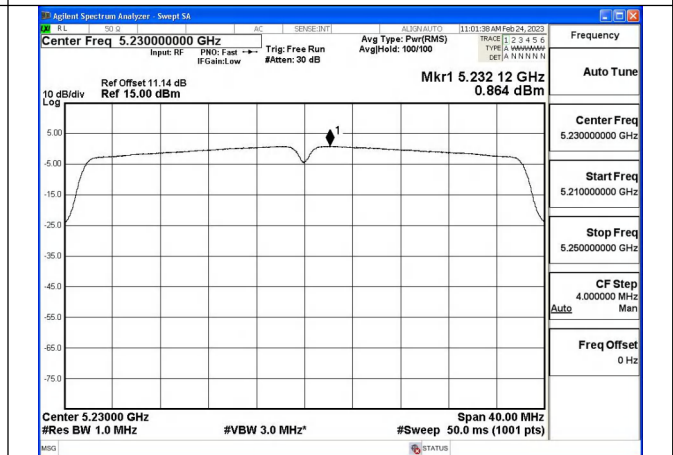
Test Mode:802.11n HT40 5190MHz Chain0



Test Mode:802.11n HT40 5230MHz Chain0



Test Mode:802.11n HT40 5190MHz Chain1



Test Mode:802.11n HT40 5230MHz Chain1