

## APPENDIX A – TEST DATA OF CONDUCTED EMISSION

### Output Power UNII-2A

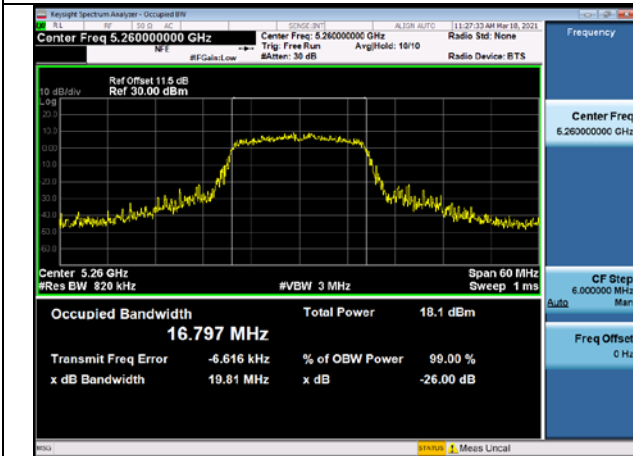
Mode	Freq (MHz)	Chain	Conducted average power output(dBm)
802.11a	5260	Chain0	15.16
		Chain1	14.75
	5280	Chain0	15.24
		Chain1	14.66
	5320	Chain0	15.36
		Chain1	14.46
802.11n20M	5260	Chain0	14.13
		Chain1	13.62
		Chain0+Chain1	16.89
	5280	Chain0	14.18
		Chain1	13.57
		Chain0+Chain1	16.90
	5320	Chain0	14.21
		Chain1	13.44
		Chain0+Chain1	16.85
802.11n40M	5270	Chain0	14.01
		Chain1	12.94
		Chain0+Chain1	16.52
	5310	Chain0	14.00
		Chain1	12.78
		Chain0+Chain1	16.44

### Emission Bandwidth

Offset 11.5dB =Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB  
Test Mode:802.11a

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5260	Chain0	19.81
	Chain1	19.97
5280	Chain0	19.94
	Chain1	20.13
5320	Chain0	20.22
	Chain1	20.01

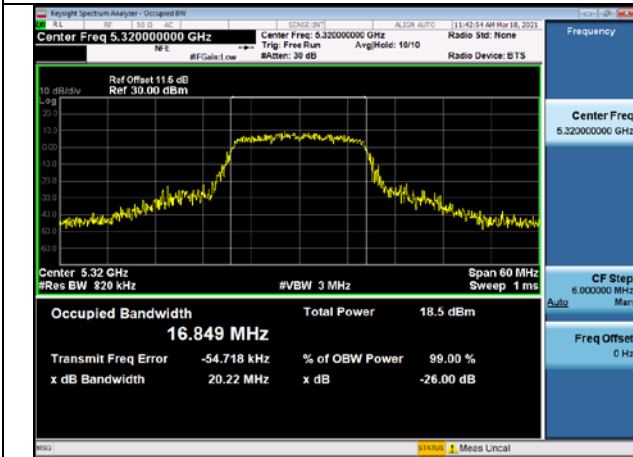
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



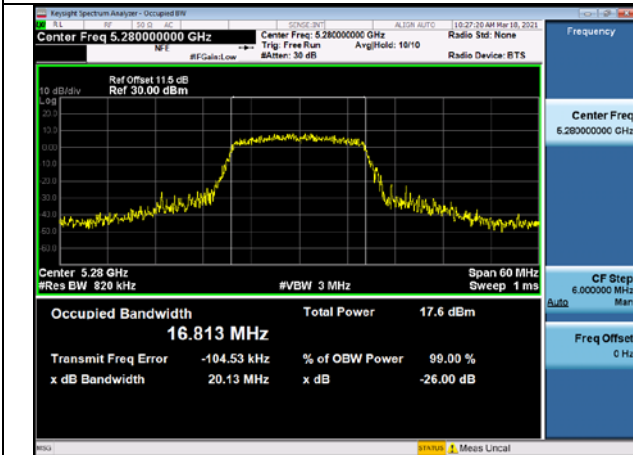
Test Mode:802.11a Chain0



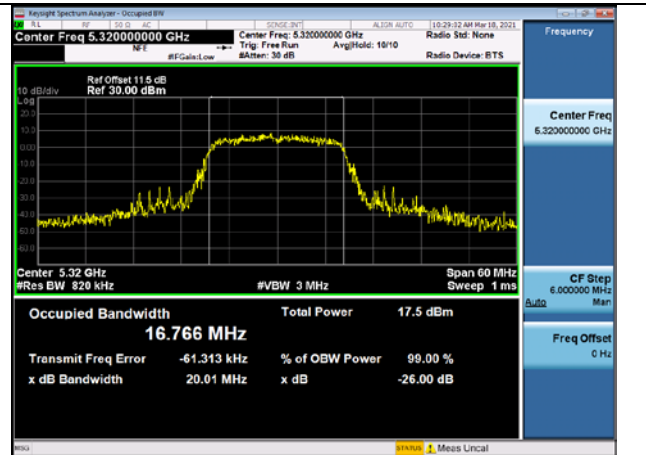
Test Mode:802.11a Chain1



Test Mode:802.11a Chain1



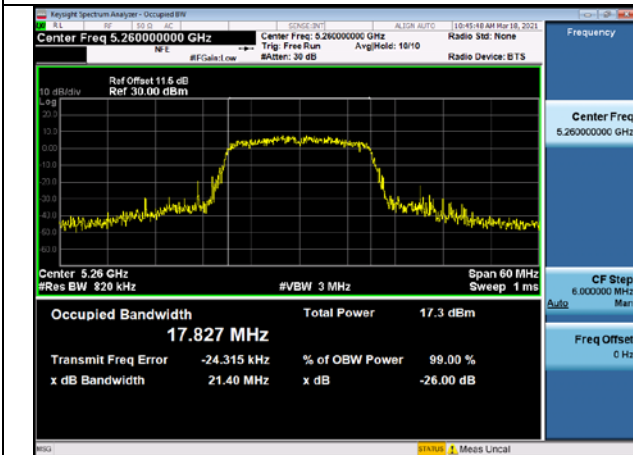
Test Mode:802.11a Chain1



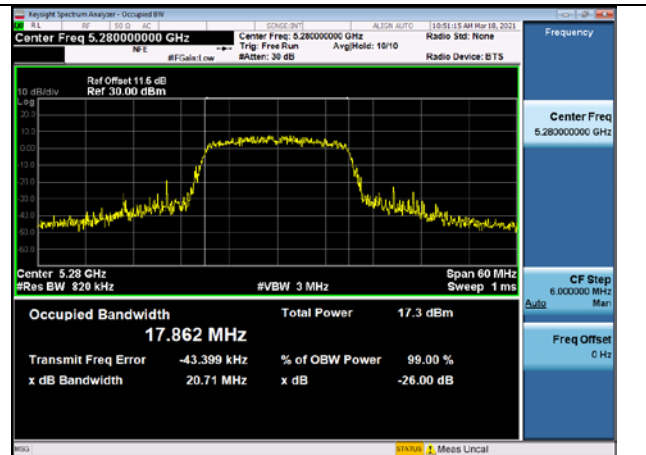
Test Mode:802.11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5260	Chain0	21.40
	Chain1	20.42
5280	Chain0	20.71
	Chain1	20.28
5320	Chain0	20.50
	Chain1	20.36

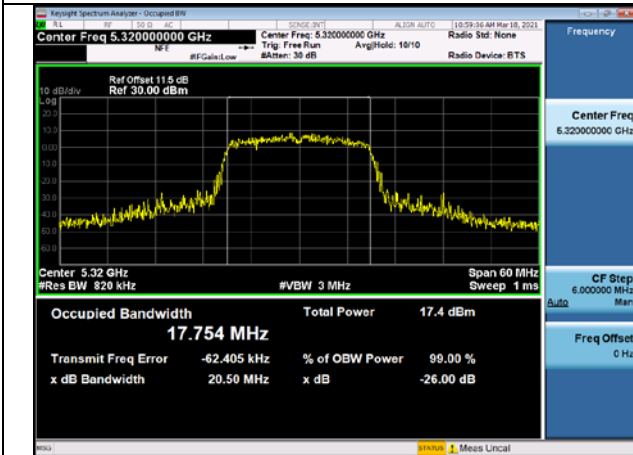
Test Mode:802.11n HT20 Chain0



Test Mode:802.11n HT20 Chain0



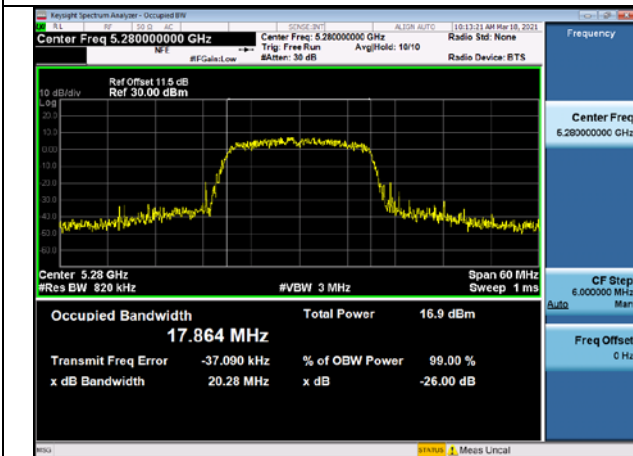
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain1



Test Mode:802. 11n HT20 Chain1



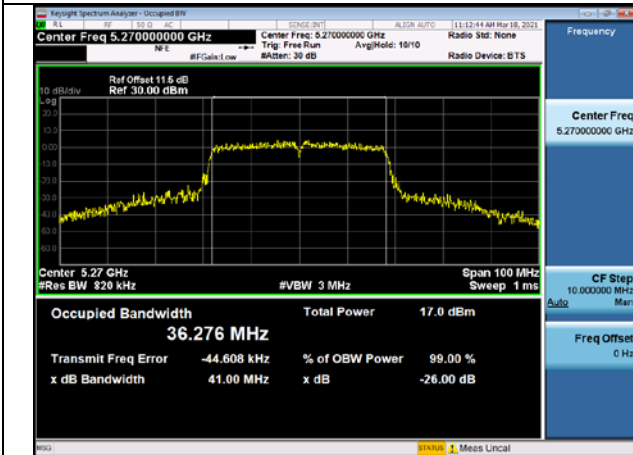
Test Mode:802. 11n HT20 Chain1



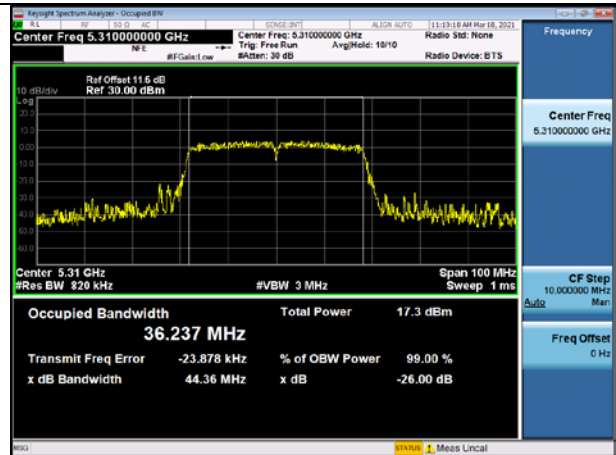
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5270	Chain0	41.00
	Chain1	40.42
5310	Chain0	44.36
	Chain1	40.21

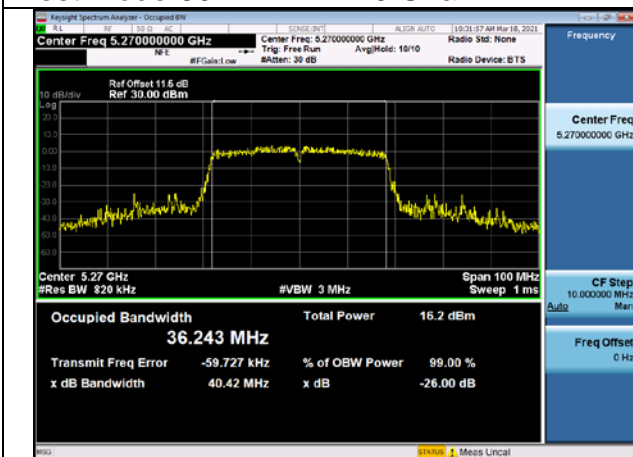
Test Mode:802. 11n HT40 Chain0



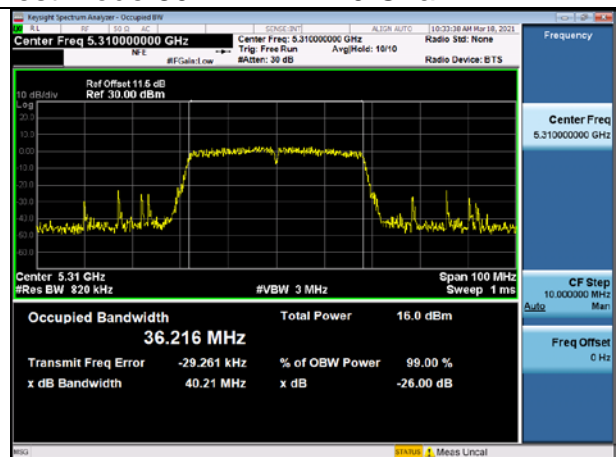
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain1



Test Mode:802. 11n HT40 Chain1

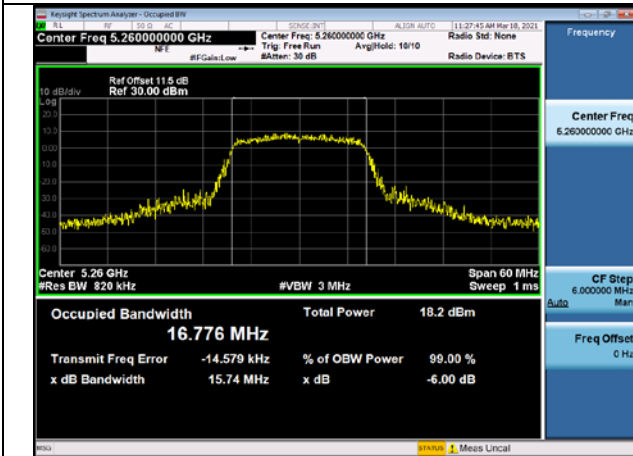


**Occupied Bandwidth**

Offset 11.5dB =Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB  
Test Mode:802.11a

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5260	Chain0	16.776
	Chain1	16.749
5280	Chain0	16.784
	Chain1	16.831
5320	Chain0	16.787
	Chain1	16.831

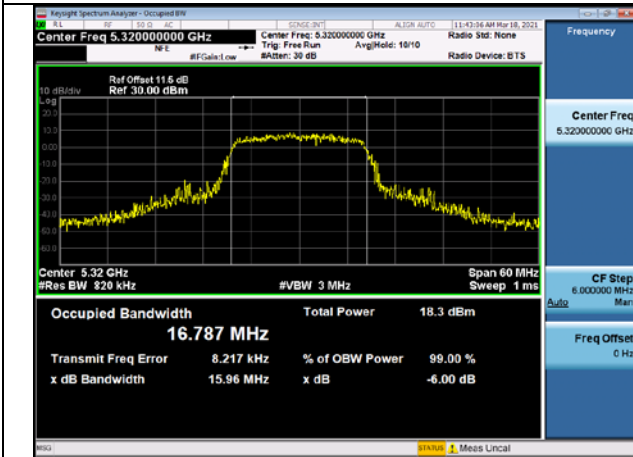
Test Mode:802.11a Chain0



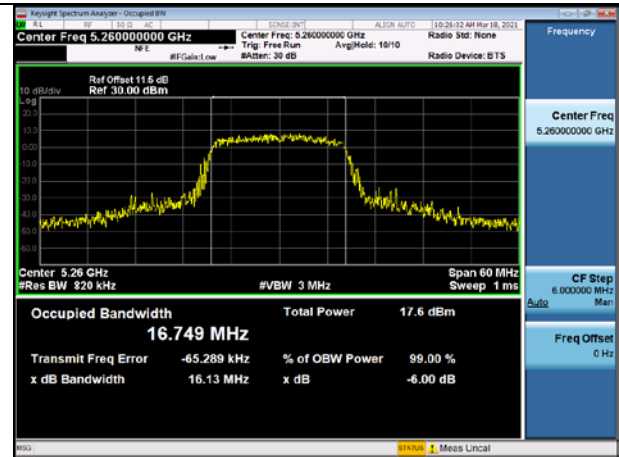
Test Mode:802.11a Chain0



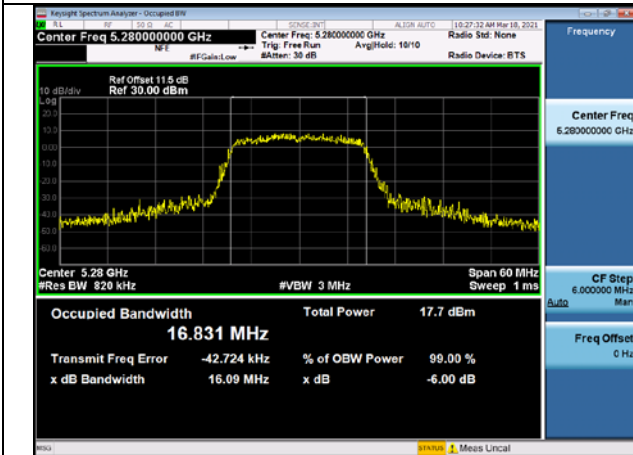
Test Mode:802.11a Chain0



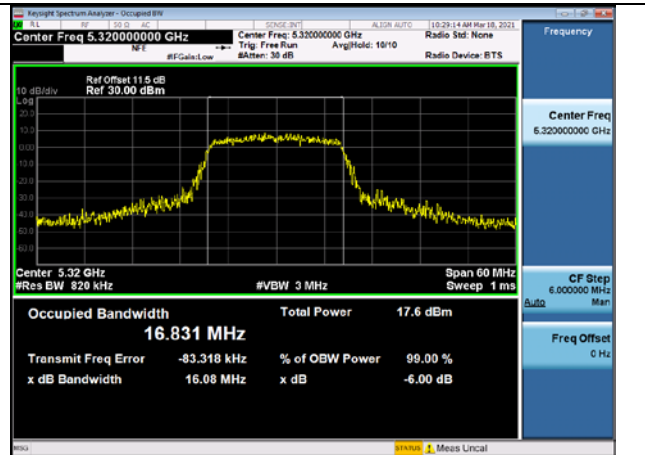
Test Mode:802.11a Chain1



Test Mode:802.11a Chain1



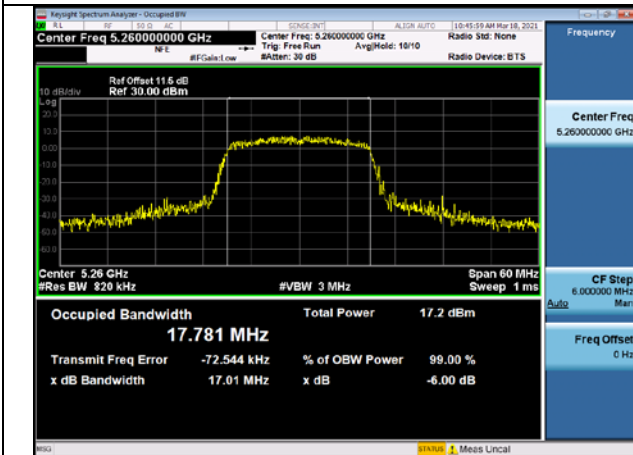
Test Mode:802.11a Chain1



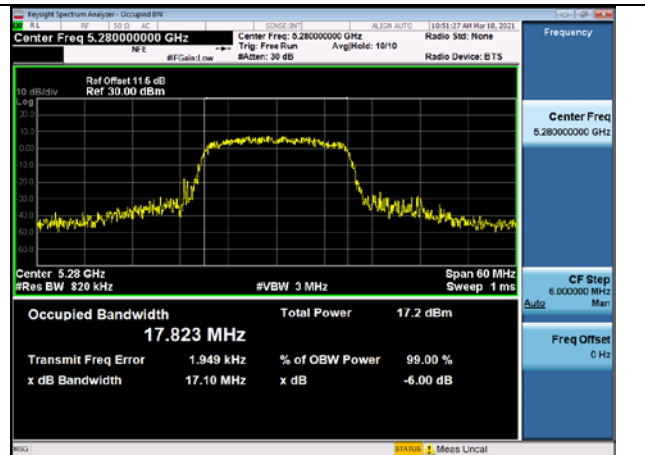
Test Mode:802.11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5260	Chain0	17.781
	Chain1	17.784
5280	Chain0	17.823
	Chain1	17.888
5320	Chain0	17.860
	Chain1	17.808

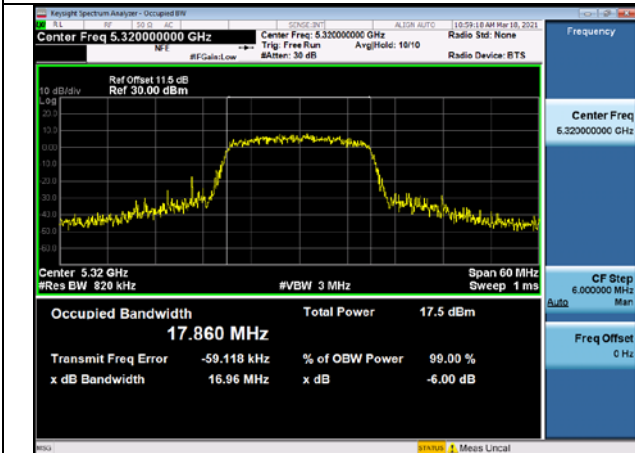
Test Mode:802.11n HT20 Chain0



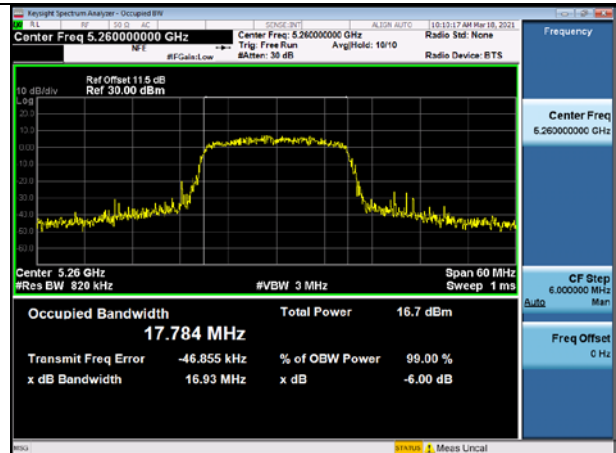
Test Mode:802.11n HT20 Chain0



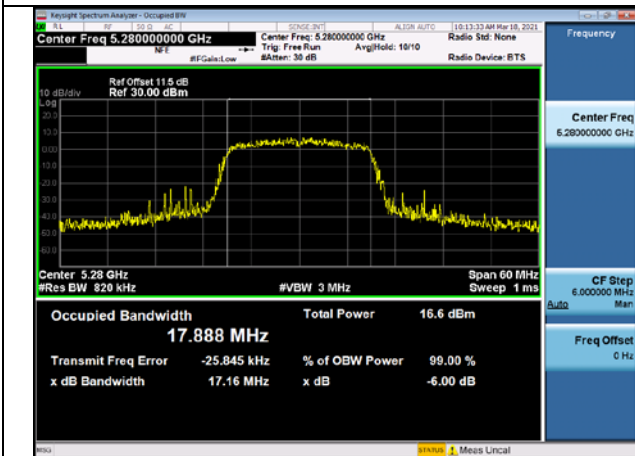
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain1



Test Mode:802. 11n HT20 Chain1



Test Mode:802. 11n HT20 Chain1

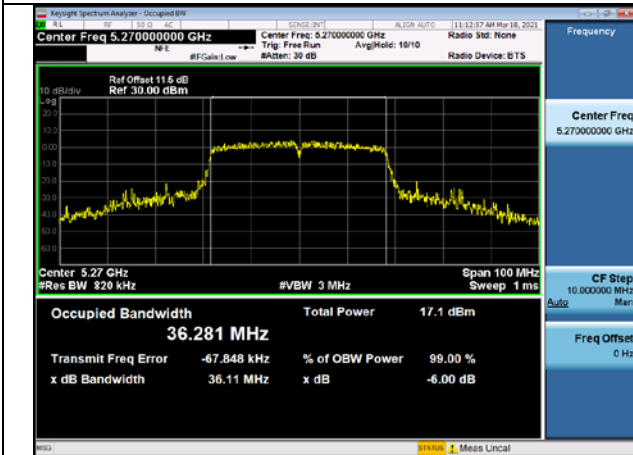




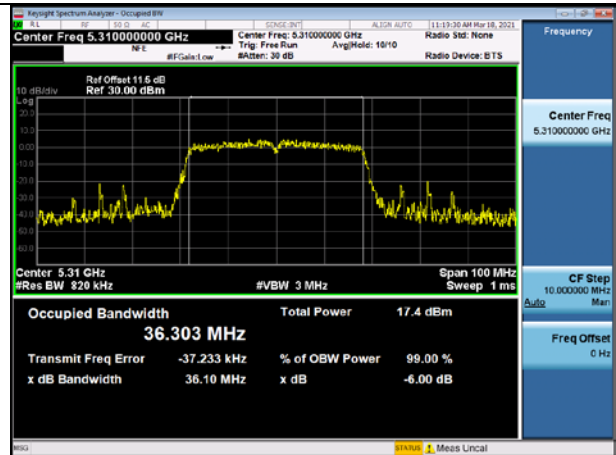
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5270	Chain0	36.281
	Chain1	36.214
5310	Chain0	36.303
	Chain1	36.208

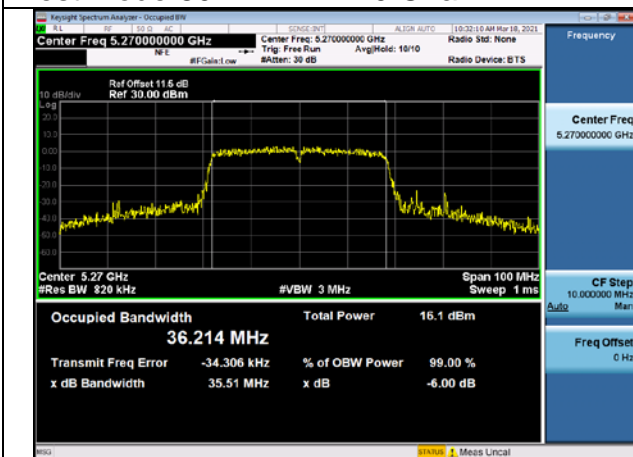
Test Mode:802. 11n HT40 Chain0



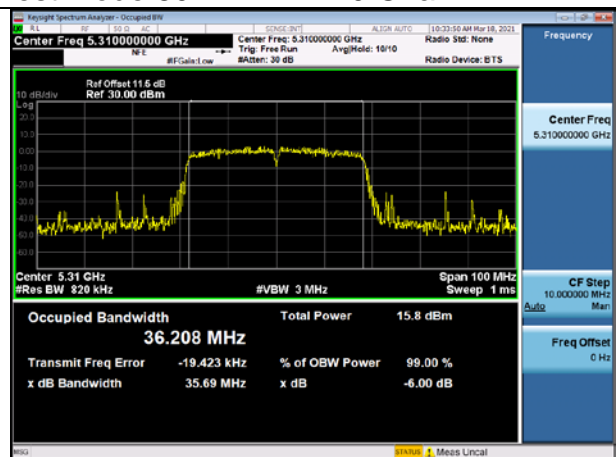
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain1



Test Mode:802. 11n HT40 Chain1

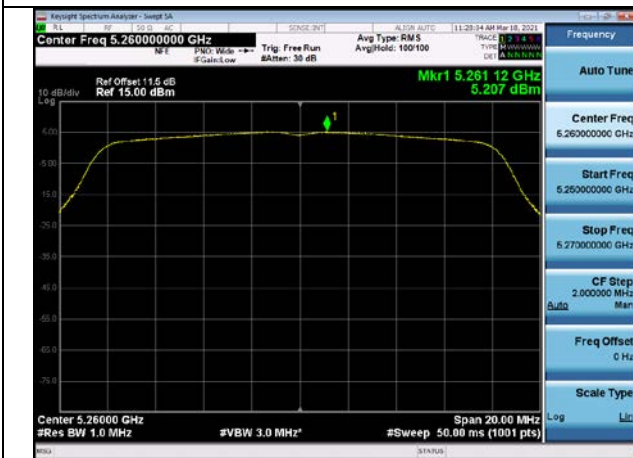


### Transmitter Power Spectral Density

Offset 11.5dB =Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB  
Test Mode:802.11a

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5260	0.05	Chain0	5.248
		Chain1	4.802
5280		Chain0	5.370
		Chain1	4.863
5320		Chain0	5.494
		Chain1	4.618

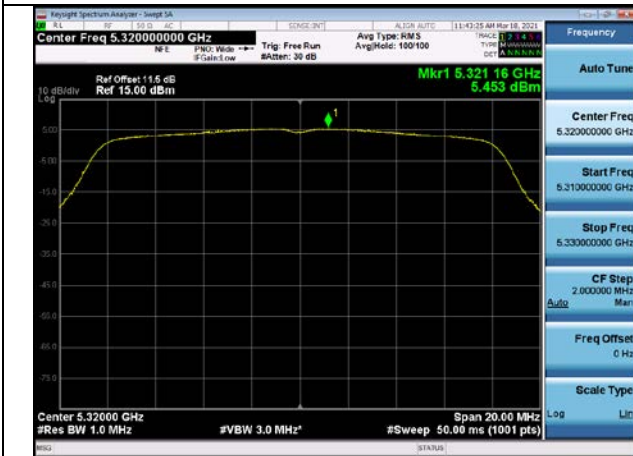
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



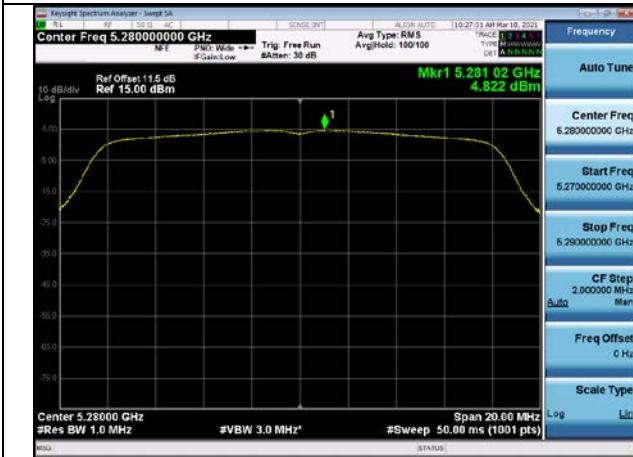
Test Mode:802.11a Chain0



Test Mode:802.11a Chain1



Test Mode:802.11a Chain1



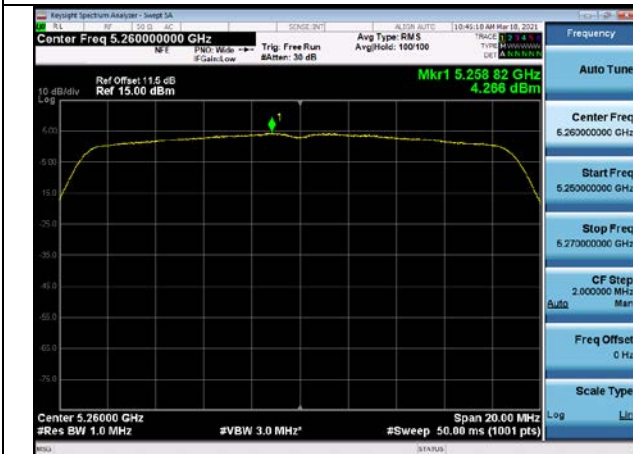
Test Mode:802.11a Chain1



Test Mode:802. 11n HT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5260	0.06	Chain0	4.308
		Chain1	3.920
		Chain0+Chain1	7.129
5280		Chain0	4.468
		Chain1	3.651
		Chain0+Chain1	7.089
5320		Chain0	4.544
		Chain1	3.612
		Chain0+Chain1	7.113

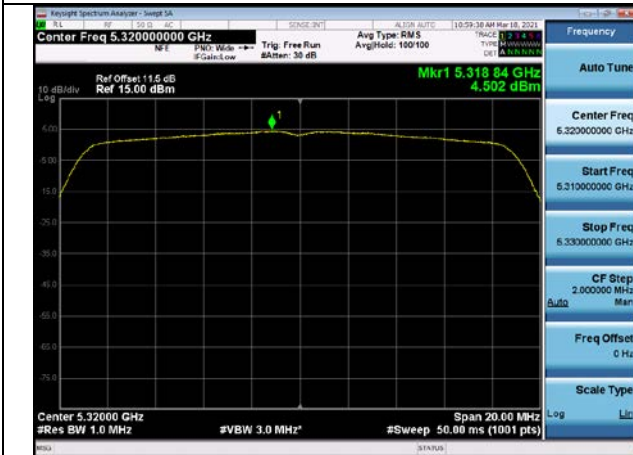
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



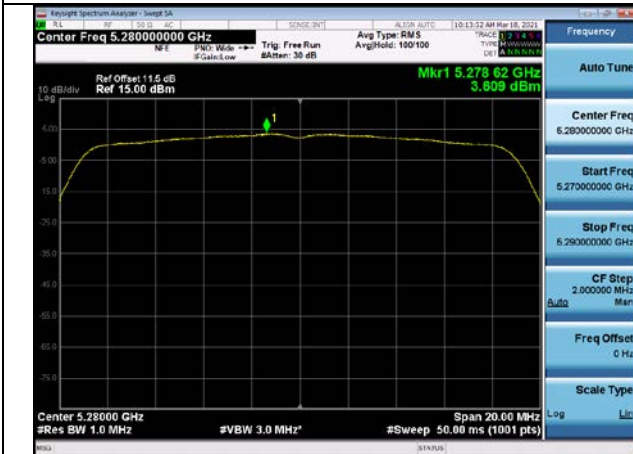
Test Mode:802. 11n HT20 Chain0



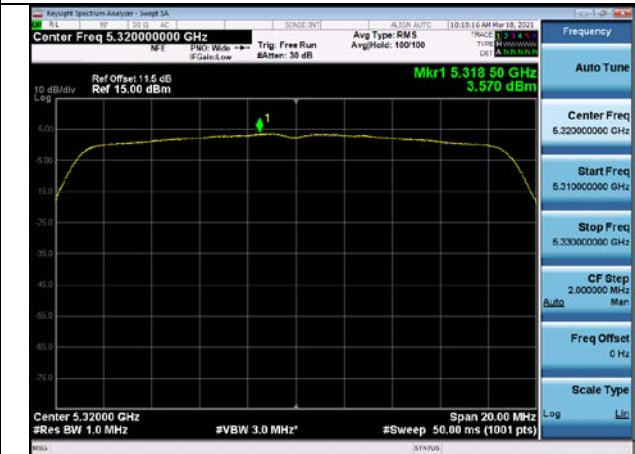
Test Mode:802. 11n HT20 Chain1



Test Mode:802. 11n HT20 Chain1



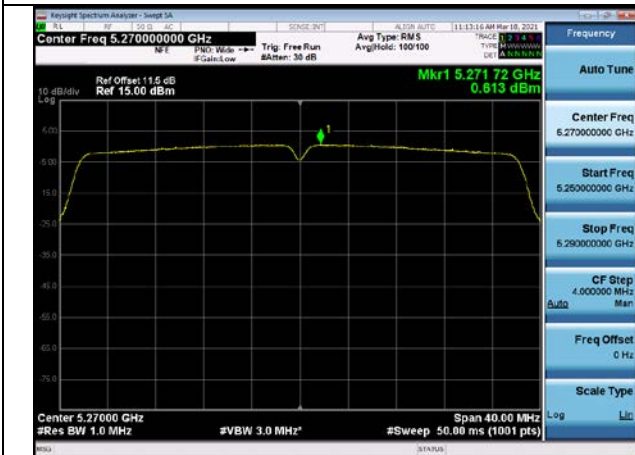
Test Mode:802. 11n HT20 Chain1



Test Mode:802. 11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5270	0.10	Chain0	0.704
		Chain1	-0.297
		Chain0+Chain1	3.243
5310		Chain0	0.919
		Chain1	-0.562
		Chain0+Chain1	3.252

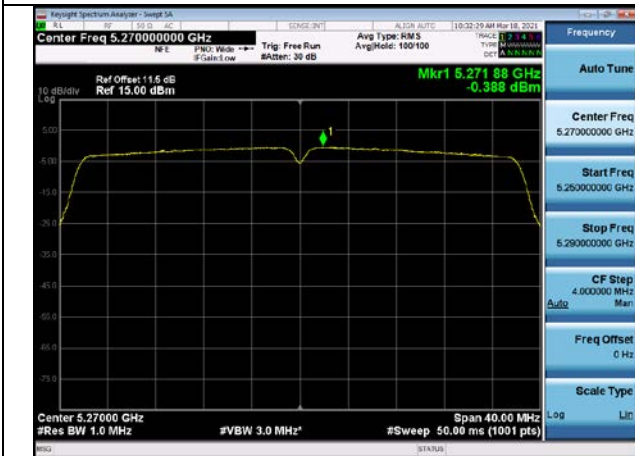
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11n HT40 Chain1



Test Mode:802. 11n HT40 Chain1



**Frequency Stability**  
UNII-2A

Mode	Data Rate	Chain	Center Frequency (MHz)	Measured Frequency (MHz)	Frequency Stability (ppm)	Voltage (V)	Temperature (°C)
802.11a	6Mbps	Chain0	5260	5260.078840	14.99	NV	-10
			5260	5260.014080	2.68	NV	0
			5260	5260.076365	14.52	NV	+10
			5260	5259.957747	-8.03	NV	+20
			5260	5259.992082	-1.51	HV	+20
			5260	5259.930386	-13.23	LV	+20
			5260	5259.961070	-7.40	NV	+30
			5260	5260.044898	8.54	NV	+40
			5260	5259.944548	-10.54	NV	+50
			5260	5260.002225	0.42	NV	+60
		5260	5260.033510	6.37	NV	+70	
		Chain1	5260	5260.055385	10.53	NV	-10
			5260	5259.949561	-9.59	NV	0
			5260	5260.064458	12.25	NV	+10
			5260	5259.991934	-1.53	NV	+20
			5260	5259.949663	-9.57	HV	+20
			5260	5259.999589	-0.08	LV	+20
			5260	5260.025814	4.91	NV	+30
			5260	5259.967737	-6.13	NV	+40
			5260	5259.958793	-7.83	NV	+50
5260	5259.927079		-13.86	NV	+60		
5260	5260.077015	14.64	NV	+70			