

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Output Power UNII-3

Mode	Freq (MHz)	Chain	Conducted average power output(dBm)
802.11a	5745	Chain0	15.32
	5785	Chain0	13.47
	5825	Chain0	15.36
802.11n20M	5745	Chain0	14.72
	5785	Chain0	13.74
	5825	Chain0	14.64
802.11n40M	5755	Chain0	11.32
	5795	Chain0	11.80
802.11ac20M	5745	Chain0	12.80
	5785	Chain0	11.85
	5825	Chain0	12.76
802.11ac40M	5755	Chain0	11.29
	5795	Chain0	11.67
802.11ac80M	5775	Chain0	9.71

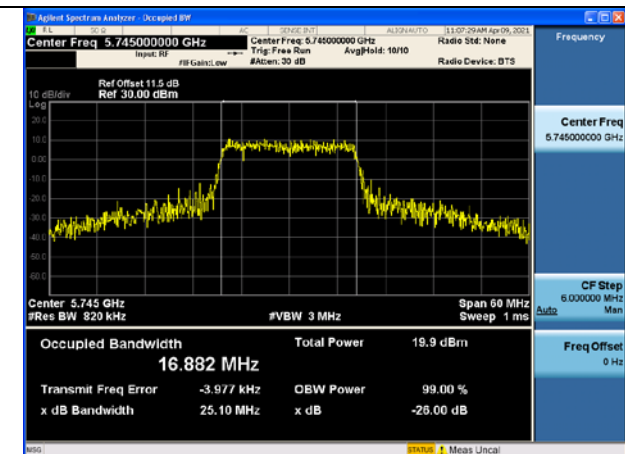
Emission Bandwidth

Offset 11.5dB =Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

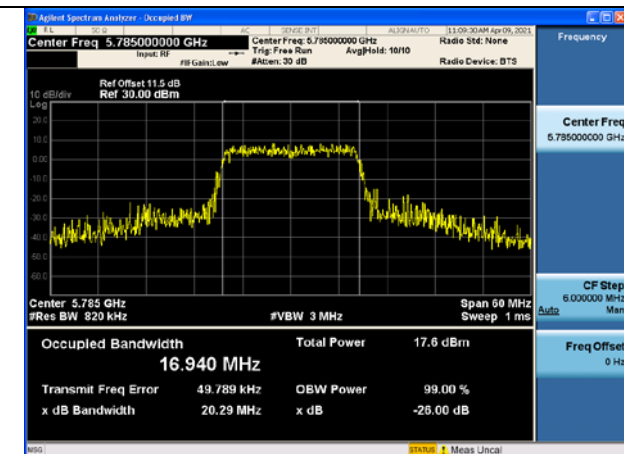
Test Mode:802.11a

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5745	Chain0	25.10
5785	Chain0	20.29
5825	Chain0	28.32

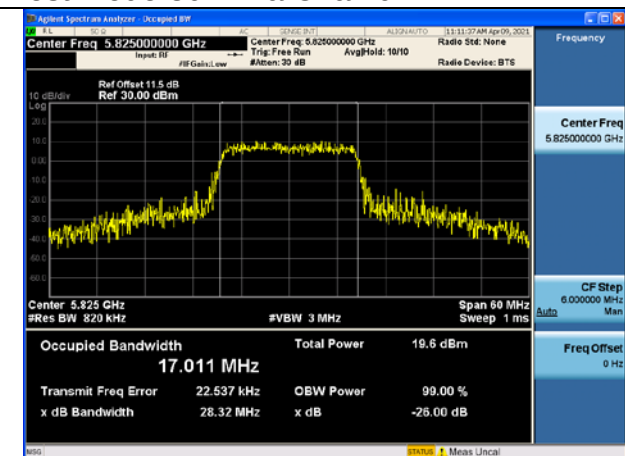
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



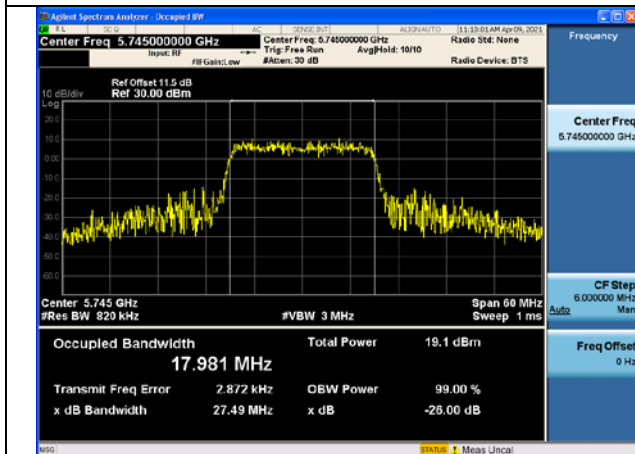
Test Mode:802.11a Chain0



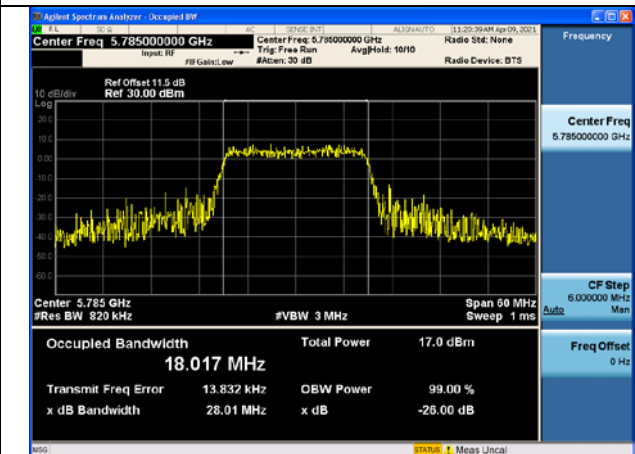
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5745	Chain0	27.49
5785	Chain0	28.01
5825	Chain0	23.73

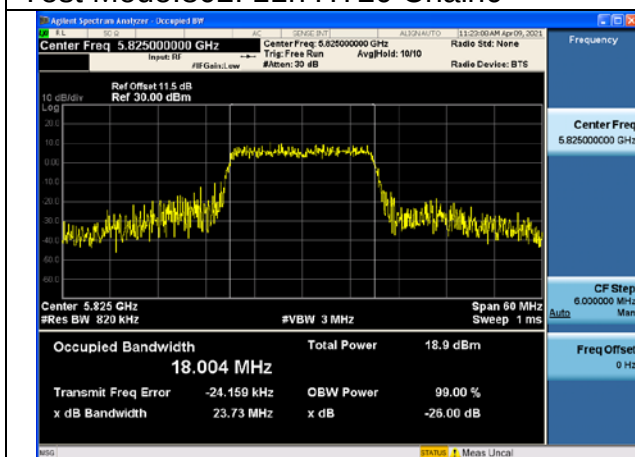
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



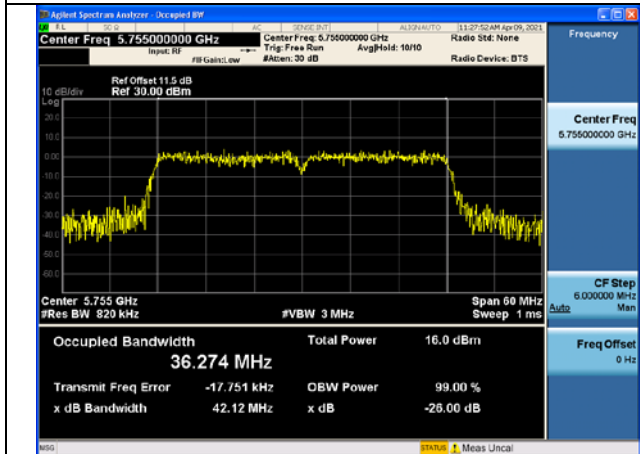
Test Mode:802. 11n HT20 Chain0



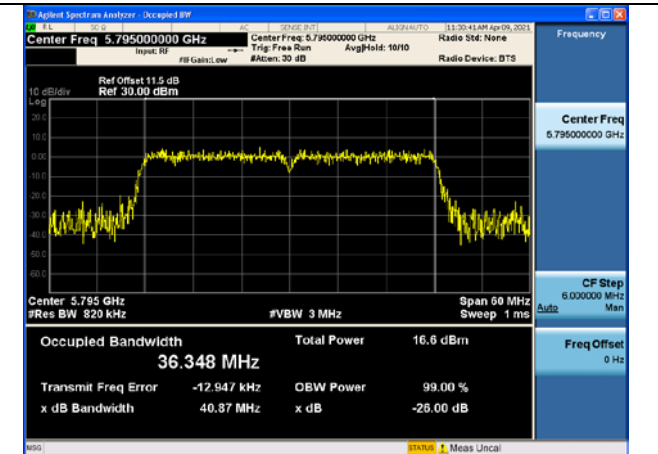
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5755	Chain0	42.12
5795	Chain0	40.87

Test Mode:802. 11n HT40 Chain0



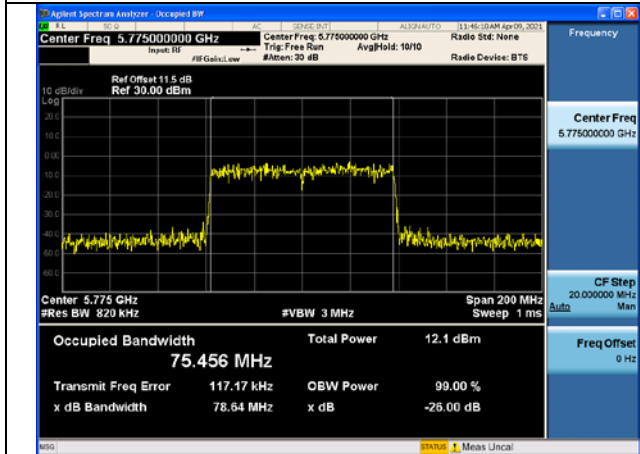
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5775	Chain0	78.64

Test Mode:802. 11ac VHT80 Chain0



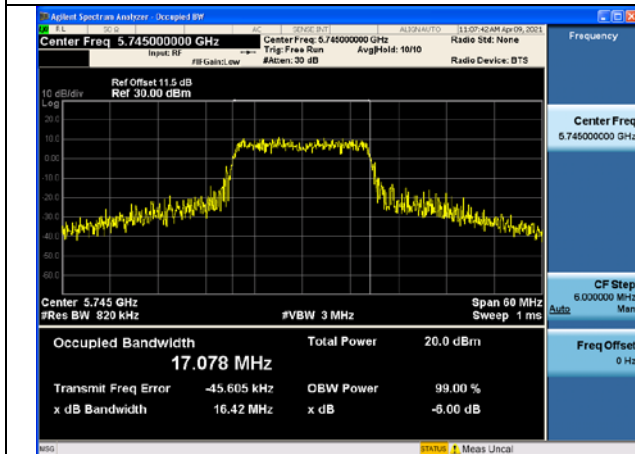
Occupied Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

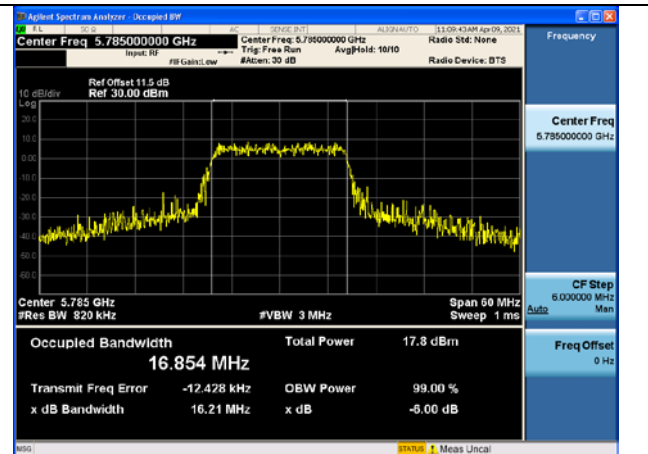
Test Mode:802.11a

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5745	Chain0	17.078
5785	Chain0	16.854
5825	Chain0	16.929

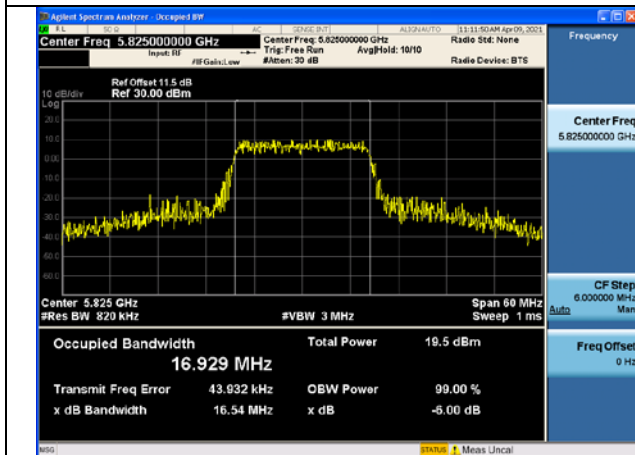
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



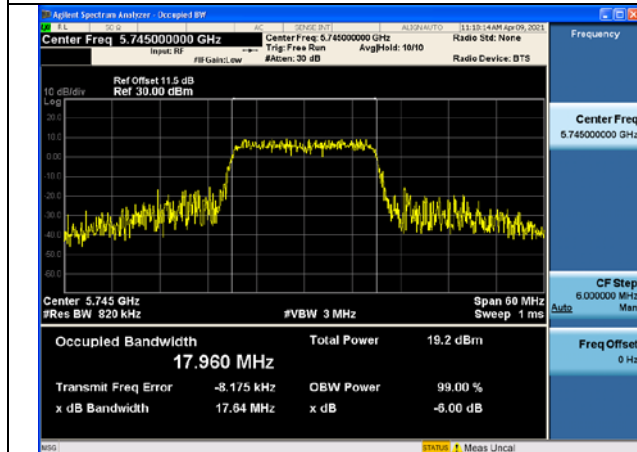
Test Mode:802.11a Chain0



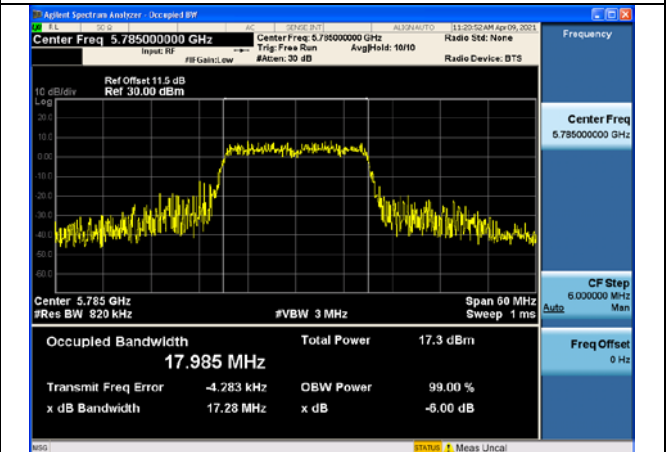
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5745	Chain0	17.960
5785	Chain0	17.985
5825	Chain0	17.952

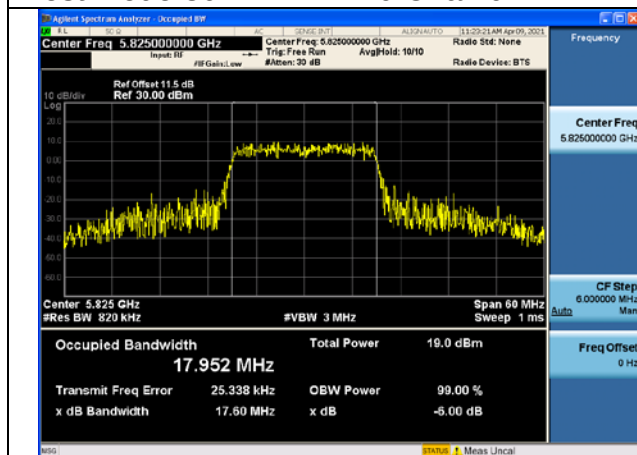
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



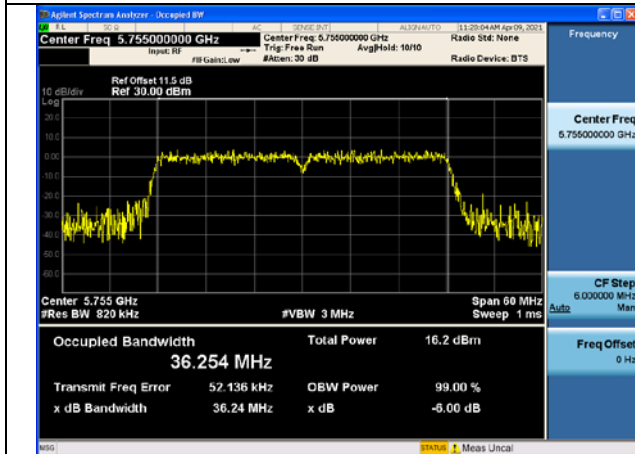
Test Mode:802. 11n HT20 Chain0



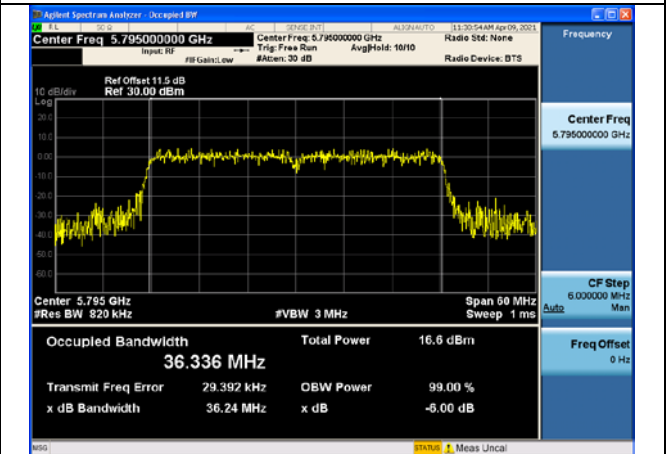
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5755	Chain0	36.254
5795	Chain0	36.336

Test Mode:802. 11n HT40 Chain0



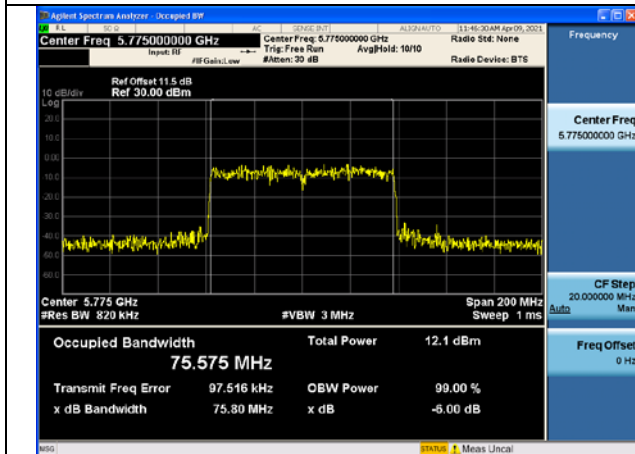
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5775	Chain0	75.575

Test Mode:802. 11ac VHT80 Chain0



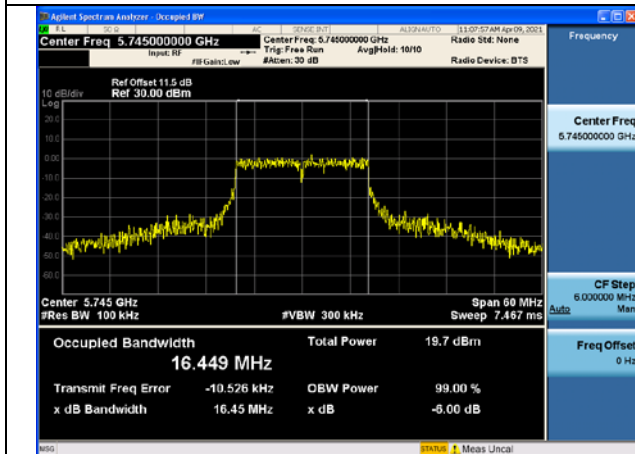
6dB Bandwidth

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

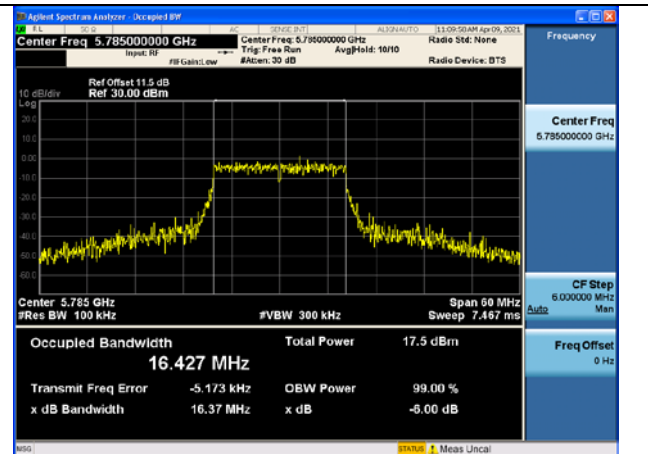
Test Mode:802.11a

Carrier frequency (MHz)	Chain	6dB Bandwidth (MHz)
5745	Chain0	16.45
5785	Chain0	16.37
5825	Chain0	16.42

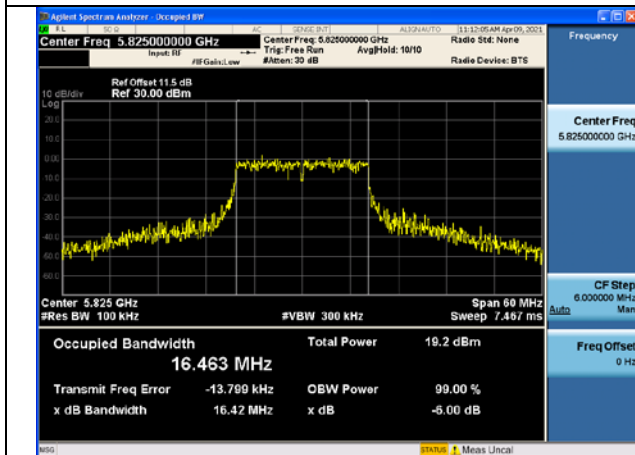
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



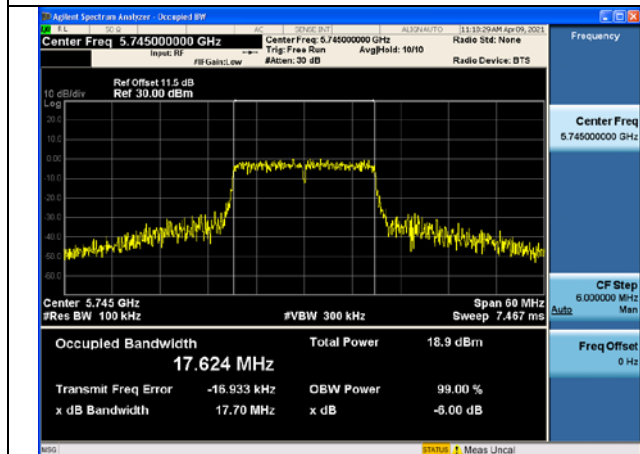
Test Mode:802.11a Chain0



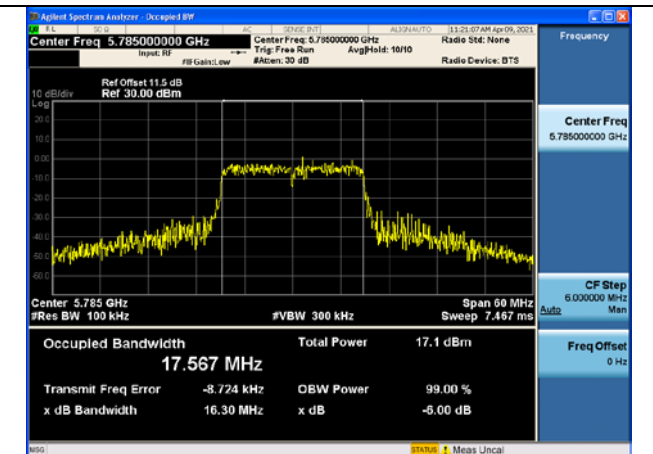
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	6dB Bandwidth (MHz)
5745	Chain0	17.70
5785	Chain0	16.30
5825	Chain0	17.24

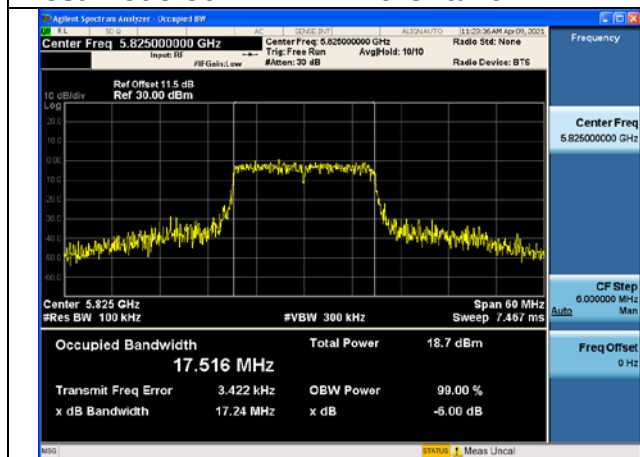
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



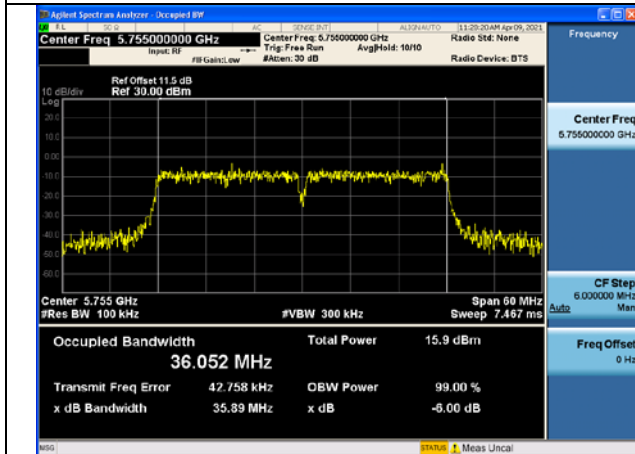
Test Mode:802. 11n HT20 Chain0



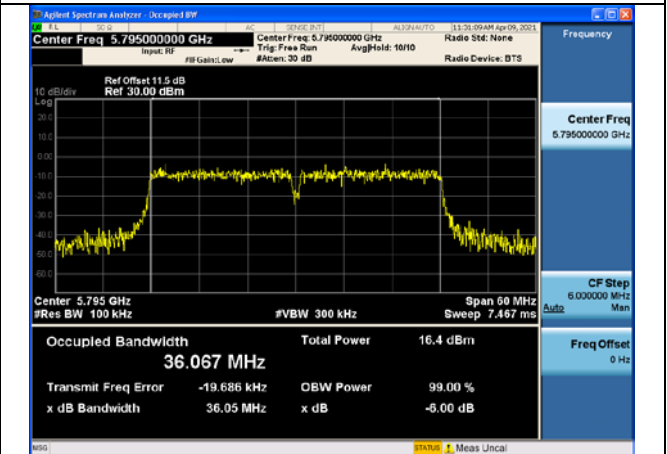
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	6dB Bandwidth (MHz)
5755	Chain0	35.89
5795	Chain0	36.05

Test Mode:802. 11n HT40 Chain0



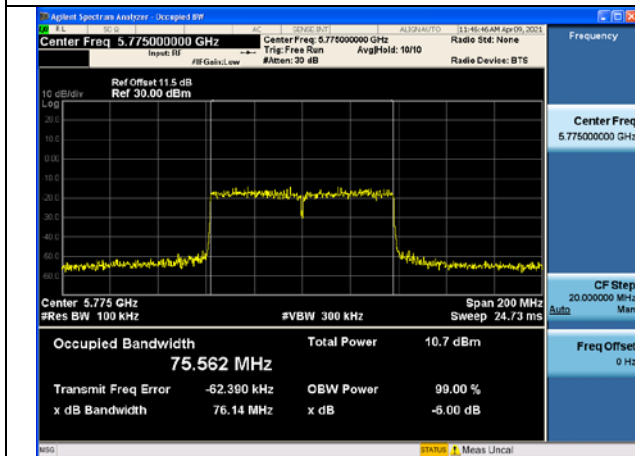
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	6dB Bandwidth (MHz)
5775	Chain0	76.14

Test Mode:802. 11ac VHT80 Chain0



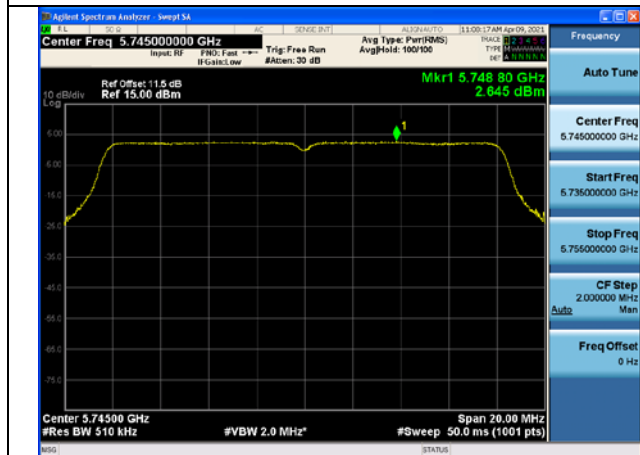
Transmitter Power Spectral Density

Offset 11.5dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 1dB

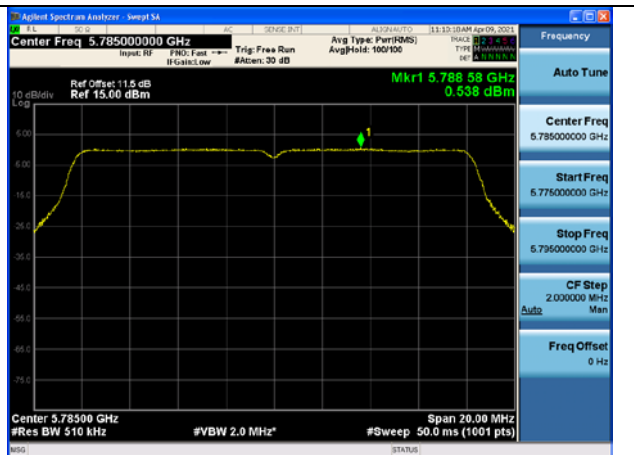
Test Mode:802.11a

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5745	0.66	Chain0	3.305
5785		Chain0	1.198
5825		Chain0	3.029

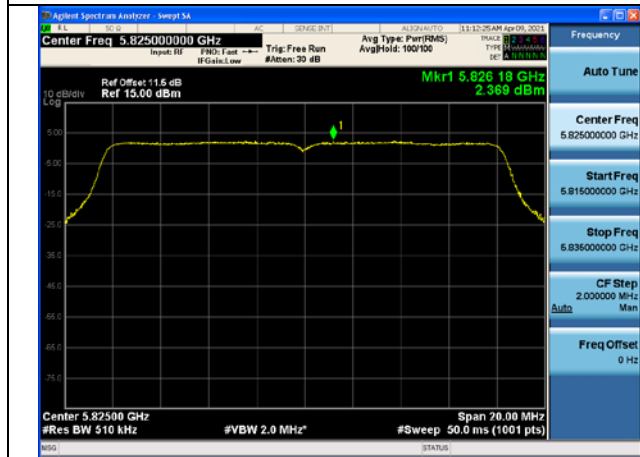
Test Mode:802.11a Chain0



Test Mode:802.11a Chain0



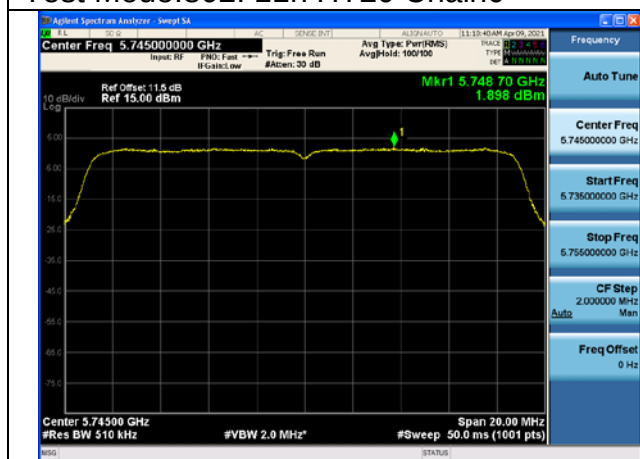
Test Mode:802.11a Chain0



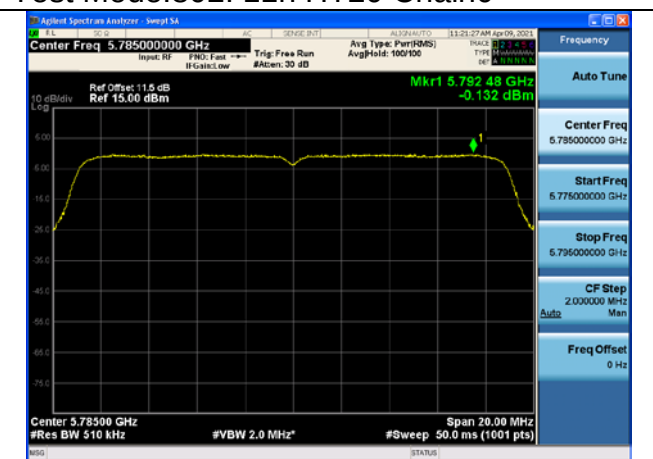
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5745	1.03	Chain0	2.928
5785		Chain0	0.898
5825		Chain0	2.729

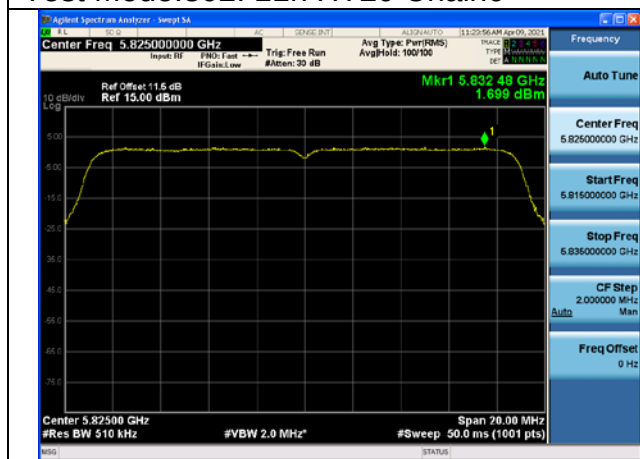
Test Mode:802. 11n HT20 Chain0



Test Mode:802. 11n HT20 Chain0



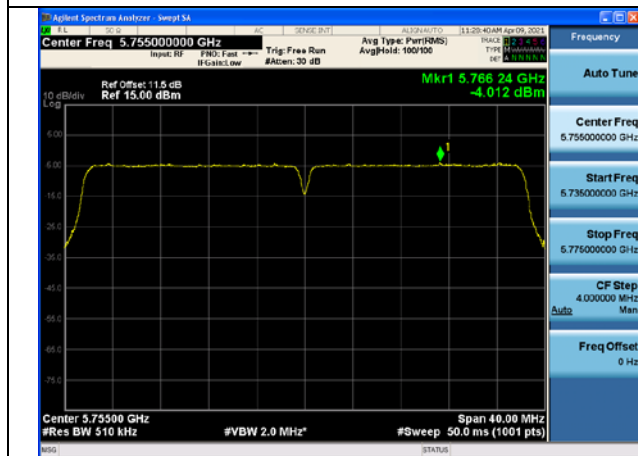
Test Mode:802. 11n HT20 Chain0



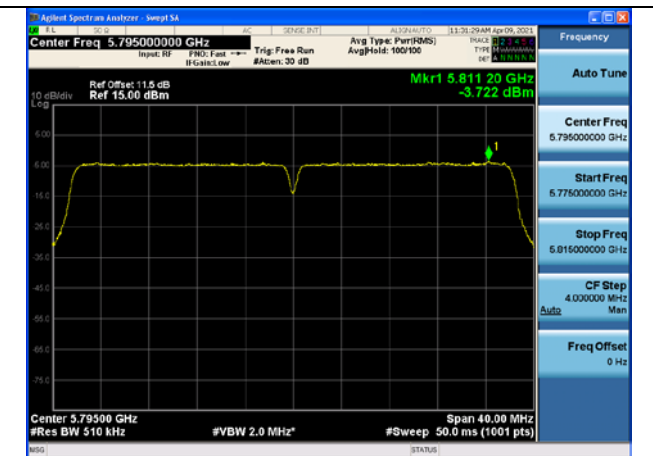
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5755	1.96	Chain0	-2.052
5795		Chain0	-1.762

Test Mode:802. 11n HT40 Chain0



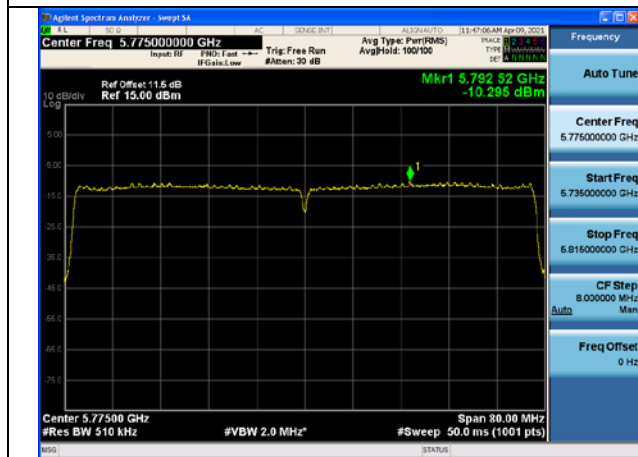
Test Mode:802. 11n HT40 Chain0



Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5775	1.93	Chain0	-8.365

Test Mode:802. 11ac VHT80 Chain0



Frequency Stability UNII-3

Mode	Data Rate	Chain	Center Frequency (MHz)	Measured Frequency (MHz)	Frequency Stability (ppm)	Voltage (V)	Temperature (°C)
802.11a	6Mbps	Chain0	5745	5745.00264	0.46	NV	-10
			5745	5744.95821	-7.27	NV	0
			5745	5744.94477	-9.61	NV	+10
			5745	5744.94770	-9.10	NV	+20
			5745	5745.03322	5.78	HV	+20
			5745	5744.96584	-5.95	LV	+20
			5745	5744.95795	-7.32	NV	+30
			5745	5744.98421	-2.75	NV	+40
			5745	5745.02202	3.83	NV	+50
			5745	5745.04931	8.58	NV	+55