APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5500	99.45%	0
802. 11n HT20	5500	99.44%	0
802. 11n HT40	5510	98.93%	0
802. 11ac VHT20	5500	99.49%	0
802. 11ac VHT40	5510	98.98%	0
802. 11ac VHT80	5530	97.97%	0.09

Output Power

NII2C

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5500	Chain0	10.85	9.85
		5580	Chain0	11.56	10.56
		5700	Chain0	11.74	10.74
		5720	Chain0	11.43	10.43
802.11n20M		5500	Chain0	10.98	9.98
		5580	Chain0	11.38	10.38
		5700	Chain0	11.57	10.57
		5720	Chain0	11.23	10.23
802.11n40M		5510	Chain0	11.55	10.55
		5590	Chain0	11.43	10.43
		5670	Chain0	11.73	10.73
		5710	Chain0	11.21	10.21
802.11ac20M		5500	Chain0	10.99	9.99
		5580	Chain0	11.33	10.33
		5700	Chain0	11.54	10.54
		5720	Chain0	11.23	10.23
802.11ac40M		5510	Chain0	11.52	10.52
		5590	Chain0	11.97	10.97
		5670	Chain0	11.68	10.68
		5710	Chain0	11.83	10.83
802.11ac80M		5530	Chain0	11.28	10.28
		5610	Chain0	11.71	10.71
		5690	Chain0	11.74	10.74

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)
5500	Chain0	21.87
5580	Chain0	21.72
5700	Chain0	21.69
5720	Chain0	22.12

Test Mode:802.11a Chain0	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)
5500	Chain0	23.38
5580	Chain0	23.13
5700	Chain0	22.44
5720	Chain0	22.71

Test Mode:802. 11n HT20 Chain0	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)
5510	Chain0	39.43
5590	Chain0	40.94
5670	Chain0	40.59
5710	Chain0	40.98

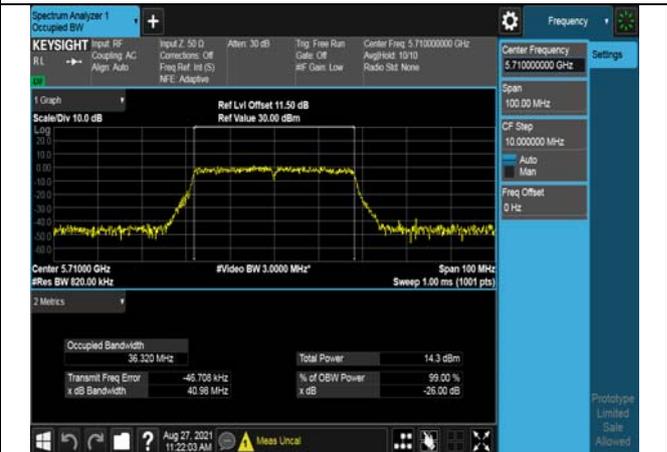| Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0
Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	23.77
5580	Chain0	23.98
5700	Chain0	23.99
5720	Chain0	22.97

Test Mode:802. 11ac VHT20 Chain0	Test Mode:802. 11ac VHT20 Chain0
Test Mode:802. 11ac VHT20 Chain0	Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	40.65
5590	Chain0	40.15
5670	Chain0	41.53
5710	Chain0	40.57

Test Mode:802. 11ac VHT40 Chain0	Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain0	Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5530	Chain0	81.18
5610	Chain0	81.21
5690	Chain0	81.36

Test Mode:802. 11ac VHT80 Chain0	Test Mode:802. 11ac VHT80 Chain0

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)
5500	Chain0	17.063
5580	Chain0	17.034
5700	Chain0	16.851
5720	Chain0	17.023

Test Mode:802.11a Chain0	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)
5500	Chain0	18.179
5580	Chain0	16.977
5700	Chain0	18.150
5720	Chain0	18.141

Test Mode:802. 11n HT20 Chain0	Test Mode:802. 11n HT20 Chain0

Test Mode:802. 11n HT20 Chain0	Test Mode:802. 11n HT20 Chain0
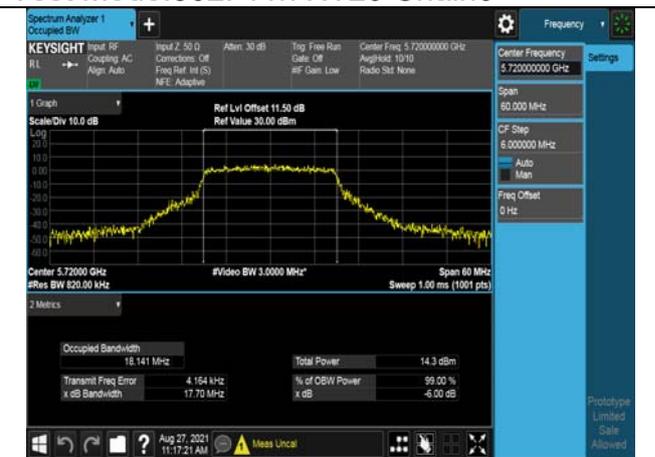
Test Mode:802. 11n HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5510	Chain0	36.387
5590	Chain0	36.259
5670	Chain0	36.370
5710	Chain0	36.371

Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0
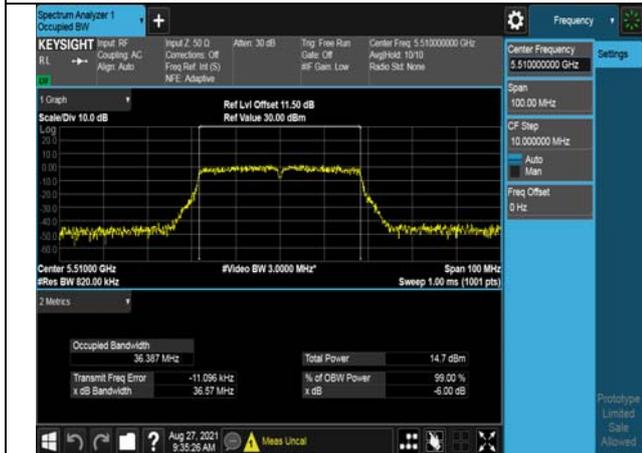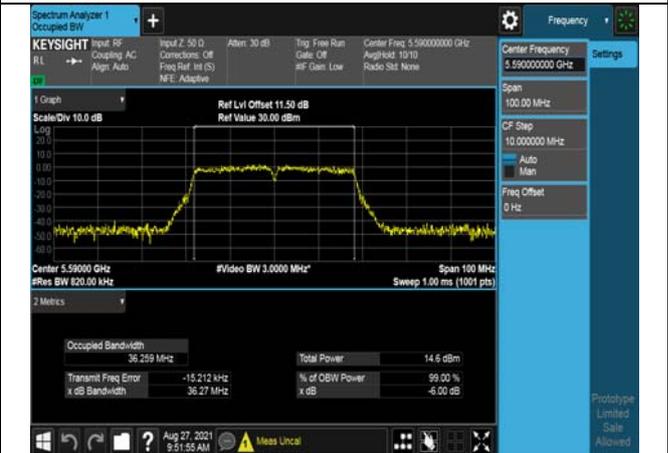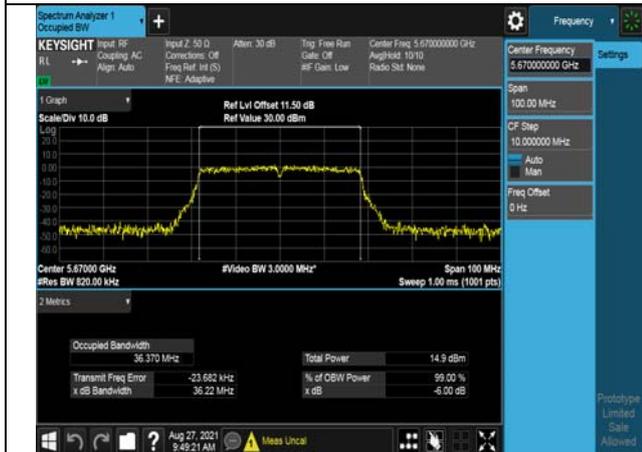
Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0
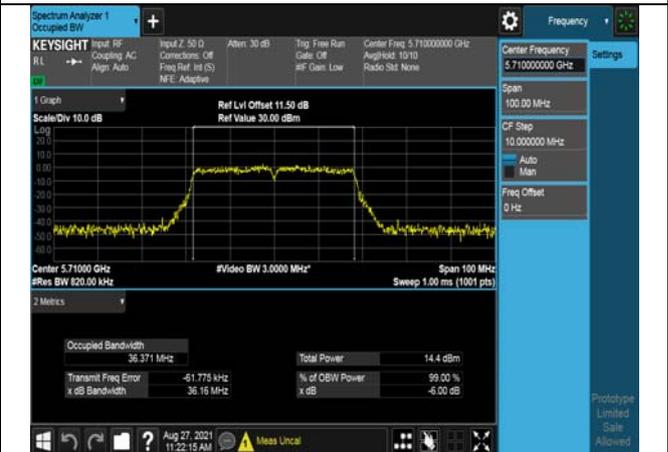
Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	18.249
5580	Chain0	18.139
5700	Chain0	18.164
5720	Chain0	18.124

Test Mode:802. 11ac VHT20 Chain0	Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain0	Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5510	Chain0	36.340
5590	Chain0	36.453
5670	Chain0	36.376
5710	Chain0	36.387

Test Mode:802. 11ac VHT40 Chain0	Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain0	Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5530	Chain0	75.881
5610	Chain0	75.610
5690	Chain0	75.683

Test Mode:802. 11ac VHT80 Chain0	Test Mode:802. 11ac VHT80 Chain0

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)
5500		Chain0	-0.066
5580	0	Chain0	0.647
5700		Chain0	0.835
5720		Chain0	0.539

Test Mode:802.11a Chain0	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)
5500		Chain0	-0.161
5580	0	Chain0	0.468
5700		Chain0	0.435
5720		Chain0	0.078

Test Mode:802. 11n HT20 Chain0	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)
5510		Chain0	-2.557
5590	0	Chain0	-2.721
5670		Chain0	-2.442
5710		Chain0	-2.82

Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0
Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5500		Chain0	-0.183
5580	0	Chain0	0.201
5700		Chain0	0.389
5720		Chain0	0.079

Test Mode:802. 11ac VHT20 Chain0	Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain0	Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5510		Chain0	-2.633
5590	0	Chain0	-2.089
5670		Chain0	-2.467
5710		Chain0	-2.253

Test Mode:802. 11ac VHT40 Chain0	Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain0	Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5530	0.09	Chain0	-5.985
5610		Chain0	-5.442
5690	0.09	Chain0	-5.327

Test Mode:802. 11ac VHT80 Chain0	Test Mode:802. 11ac VHT80 Chain0

Test Mode:802. 11ac VHT80 Chain0	