APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5500	99.18%	0
802.11a	5500	99.16%	0
802. 11n HT20	5500	99.11%	0
802. 11n HT40	5510	98.30%	0
802. 11n HT40	5510	98.30%	0
802. 11ac VHT20	5500	99.08%	0
802. 11ac VHT20	5500	99.06%	0
802. 11ac VHT40	5510	98.27%	0
802. 11ac VHT40	5510	98.22%	0
802. 11ac VHT80	5530	96.84%	0.14
802. 11ac VHT80	5530	96.79%	0.14

Output Power

NII2C

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5500	Chain0	15.05	15.65
			Chain1	15.55	16.15
			Chain0+Chain1	18.32	18.92
		5580	Chain0	15.04	15.64
			Chain1	15.53	16.13
			Chain0+Chain1	18.30	18.90
		5700	Chain0	15.41	16.01
			Chain1	15.60	16.20
			Chain0+Chain1	18.52	19.12
802.11n20M		5500	Chain0	14.64	15.24
			Chain1	15.42	16.02
			Chain0+Chain1	18.06	18.66
		5580	Chain0	14.95	15.55
			Chain1	15.38	15.98
			Chain0+Chain1	18.18	18.78
		5700	Chain0	14.83	15.43
			Chain1	15.49	16.09
			Chain0+Chain1	18.18	18.78
802.11n40M		5510	Chain0	14.93	15.53
			Chain1	15.41	16.01
			Chain0+Chain1	18.19	18.79
		5590	Chain0	14.84	15.44
			Chain1	15.47	16.07
			Chain0+Chain1	18.18	18.78
		5670	Chain0	15.23	15.83
			Chain1	15.47	16.07
			Chain0+Chain1	18.36	18.96
802.11ac20M		5500	Chain0	15.00	15.60
			Chain1	15.47	16.07
			Chain0+Chain1	18.25	18.85
		5580	Chain0	14.79	15.39
			Chain1	15.47	16.07
			Chain0+Chain1	18.15	18.75
		5700	Chain0	15.34	15.94

			Chain1	15.65	16.25
			Chain0+Chain1	18.51	19.11
802.11ac40M		5510	Chain0	14.95	15.55
			Chain1	15.50	16.10
			Chain0+Chain1	18.24	18.84
		5590	Chain0	14.81	15.41
			Chain1	15.56	16.16
			Chain0+Chain1	18.21	18.81
		5670	Chain0	15.15	15.75
			Chain1	15.65	16.25
			Chain0+Chain1	18.42	19.02
802.11ac80M		5530	Chain0	14.33	14.93
			Chain1	15.13	15.73
			Chain0+Chain1	17.76	18.36
		5610	Chain0	14.58	15.18
			Chain1	15.10	15.70
			Chain0+Chain1	17.86	18.46

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	20.12
	Chain1	20.51
5580	Chain0	20.26
	Chain1	20.52
5700	Chain0	20.68
	Chain1	20.05

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)
5500	Chain0	19.60
	Chain1	20.71
5580	Chain0	19.41
	Chain1	20.39
5700	Chain0	19.82
	Chain1	20.77

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 HT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	77.65
	Chain1	39.81
5590	Chain0	40.97
	Chain1	40.85
5670	Chain0	40.46
	Chain1	41.27

Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11n HT40 Chain1

Test Mode:802. 11n HT40 Chain1

Test Mode:802. 11n HT40 Chain1

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5500	Chain0	20.35
	Chain1	20.61
5580	Chain0	20.66
	Chain1	20.55
5700	Chain0	20.56
	Chain1	20.53

Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain1

Test Mode:802. 11ac VHT20 Chain1

Test Mode:802. 11ac VHT20 Chain1

Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5510	Chain0	75.61
	Chain1	40.51
5590	Chain0	40.27
	Chain1	40.74
5670	Chain0	42.54
	Chain1	39.49

Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain1

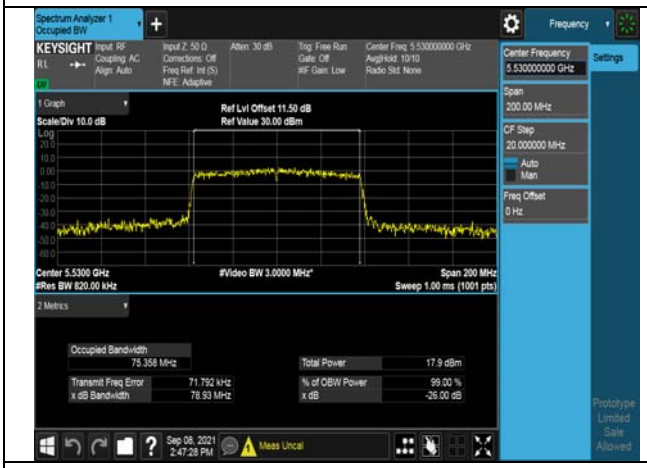
Test Mode:802. 11ac VHT40 Chain1

Test Mode:802. 11ac VHT40 Chain1

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5530	Chain0	78.93
	Chain1	78.71
5610	Chain0	80.31
	Chain1	79.41

Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0

Test Mode:802. 11ac VHT80 Chain1

Test Mode:802. 11ac VHT80 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)
5500	Chain0	16.704
	Chain1	16.766
5580	Chain0	16.809
	Chain1	16.792
5700	Chain0	16.937
	Chain1	16.683

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)
5500	Chain0	17.850
	Chain1	17.889
5580	Chain0	17.937
	Chain1	17.847
5700	Chain0	17.917
	Chain1	17.912

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 HT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5510	Chain0	43.170
	Chain1	36.094
5590	Chain0	36.105
	Chain1	36.048
5670	Chain0	36.185
	Chain1	36.194

Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11n HT40 Chain1

Test Mode:802. 11n HT40 Chain1

Test Mode:802. 11n HT40 Chain1

Test Mode:802. 11ac VHT20

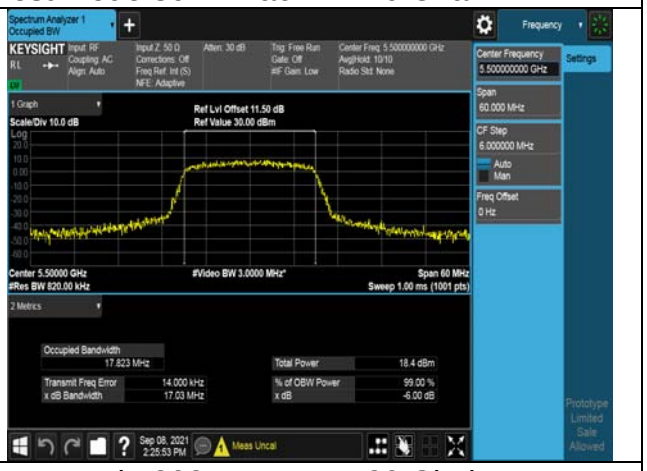
Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5500	Chain0	17.778
	Chain1	17.823
5580	Chain0	17.940
	Chain1	17.946
5700	Chain0	17.897
	Chain1	17.831

Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain1



Test Mode:802. 11ac VHT20 Chain1

Test Mode:802. 11ac VHT20 Chain1

Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5510	Chain0	39.816
	Chain1	36.036
5590	Chain0	36.194
	Chain1	36.130
5670	Chain0	36.261
	Chain1	36.085

Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain1

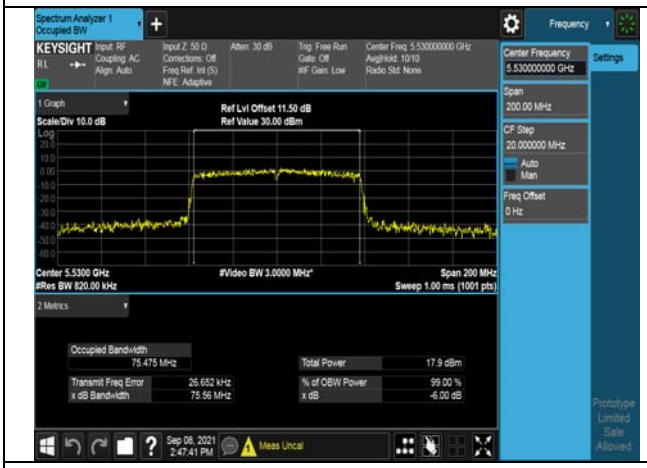
Test Mode:802. 11ac VHT40 Chain1

Test Mode:802. 11ac VHT40 Chain1

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5530	Chain0	75.475
	Chain1	75.497
5610	Chain0	75.583
	Chain1	75.385

Test Mode:802. 11ac VHT80 Chain0



Test Mode:802. 11ac VHT80 Chain0

Test Mode:802. 11ac VHT80 Chain1

Test Mode:802. 11ac VHT80 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)
5500	0	Chain0	4.529
		Chain1	5.023
		Chain0+Chain1	7.793
5580		Chain0	4.545
		Chain1	5.129
		Chain0+Chain1	7.857
5700		Chain0	4.902
		Chain1	5.087
		Chain0+Chain1	8.006

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)
5500	0	Chain0	3.992
		Chain1	4.740
		Chain0+Chain1	7.392
5580		Chain0	4.222
		Chain1	4.712
		Chain0+Chain1	7.484
5700		Chain0	4.104
		Chain1	4.797
		Chain0+Chain1	7.475

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 HT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5510	0	Chain0	1.25
		Chain1	1.676
		Chain0+Chain1	4.479
5590		Chain0	1.277
		Chain1	1.767
		Chain0+Chain1	4.539
5670		Chain0	1.6
		Chain1	1.818
		Chain0+Chain1	4.721

Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11n HT40 Chain1

Test Mode:802. 11n HT40 Chain1

Test Mode:802. 11n HT40 Chain1

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5500	0	Chain0	4.326
		Chain1	4.845
		Chain0+Chain1	7.604
5580		Chain0	4.134
		Chain1	4.779
		Chain0+Chain1	7.479
5700		Chain0	4.683
		Chain1	5.014
		Chain0+Chain1	7.862

Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain0

Test Mode:802. 11ac VHT20 Chain1

Test Mode:802. 11ac VHT20 Chain1

Test Mode:802. 11ac VHT20 Chain1

Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5510	0	Chain0	1.252
		Chain1	1.812
		Chain0+Chain1	4.551
5590		Chain0	1.139
		Chain1	1.877
		Chain0+Chain1	4.534
5670		Chain0	1.606
		Chain1	1.974
		Chain0+Chain1	4.804

Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain0

Test Mode:802. 11ac VHT40 Chain1

Test Mode:802. 11ac VHT40 Chain1

Test Mode:802. 11ac VHT40 Chain1

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5530	0.14	Chain0	-2.002
		Chain1	-1.359
		Chain0+Chain1	1.342
5610		Chain0	-1.971
		Chain1	-1.546
		Chain0+Chain1	1.257

Test Mode:802. 11ac VHT80 Chain0

Test Mode:802. 11ac VHT80 Chain0

Test Mode:802. 11ac VHT80 Chain1

Test Mode:802. 11ac VHT80 Chain1