APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5180	99.02	0.04
802. 11n HT20	5180	98.92	0.05
802. 11n HT40	5190	98.02	0.09
802. 11ac VHT20	5180	98.98	0.04
802. 11ac VHT40	5190	97.99	0.09
802. 11ac VHT80	5210	96.21	0.17

Output Power

NII1

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5180	Ant7	14.39	12.69
		5220	Ant7	14.31	12.61
		5240	Ant7	14.30	12.60
802.11n20M		5180	Ant7	14.23	12.53
		5240	Ant7	14.15	12.45
802.11n40M		5190	Ant7	14.28	12.58
		5230	Ant7	14.28	12.58
802.11ac20M		5180	Ant7	14.23	12.53
		5220	Ant7	14.13	12.43
		5240	Ant7	14.17	12.47
802.11ac40M		5190	Ant7	14.28	12.58
		5230	Ant7	14.28	12.58
802.11ac80M		5210	Ant7	14.08	12.38

Emission Bandwidth

Offset 11.34dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 0.84dB

Test Mode:802.11a

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5180	Ant7	22.40
5220	Ant7	22.16
5240	Ant7	22.13

Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

Test Mode:802. 11n HT20

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5180	Ant7	22.54
5240	Ant7	23.97

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT40

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5190	Ant7	41.61
5230	Ant7	41.12

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5180	Ant7	22.92
5220	Ant7	23.05
5240	Ant7	23.57

Test Mode:802. 11ac VHT20 Ant7

Test Mode:802. 11ac VHT20 Ant7

Test Mode:802. 11ac VHT20 Ant7

Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5190	Ant7	41.30
5230	Ant7	41.58

Test Mode:802. 11ac VHT40 Ant7	Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5210	Ant7	81.68

Test Mode:802. 11ac VHT80 Ant7	

Occupied Bandwidth

Offset 11.34dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 0.84dB

Test Mode:802.11a

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5180	Ant7	16.908
5220	Ant7	16.971
5240	Ant7	16.994

Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

Test Mode:802. 11n HT20

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5180	Ant7	18.116
5240	Ant7	18.207

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT40

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5190	Ant7	36.340
5230	Ant7	36.327

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5180	Ant7	18.066
5220	Ant7	18.135
5240	Ant7	18.128

Test Mode:802. 11ac VHT20 Ant7

Test Mode:802. 11ac VHT20 Ant7

Test Mode:802. 11ac VHT20 Ant7

Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5190	Ant7	36.342
5230	Ant7	36.402

Test Mode:802. 11ac VHT40 Ant7	Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5210	Ant7	75.549

Test Mode:802. 11ac VHT80 Ant7	

Transmitter Power Spectral Density

Offset 11.34dB = Attenuator 10dB+ Temporary antenna connector loss 0.5dB+ Cable loss 0.84dB

Test Mode:802.11a

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm/MHz)
5180	0.04	Ant7	4.422
5220		Ant7	4.310
5240		Ant7	4.252

Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

Test Mode:802. 11n HT20

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm/MHz)
5180	0.05	Ant7	4.269
5240		Ant7	4.437

Test Mode:802. 11n HT20 Ant7	Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm/MHz)
5190	0.09	Ant7	1.050
5230		Ant7	1.197

Test Mode:802. 11n HT40 Ant7	Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm/MHz)
5180	0.04	Ant7	4.307
5220		Ant7	4.397
5240		Ant7	4.382

Test Mode:802. 11ac VHT20 Ant7

Test Mode:802. 11ac VHT20 Ant7

Test Mode:802. 11ac VHT20 Ant7

Test Mode:802. 11ac VHT40

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm/MHz)
5190	0.09	Ant7	1.089
5230		Ant7	1.156

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm/MHz)
5210	0.17	Ant7	-1.463

Test Mode:802. 11ac VHT80 Ant7