APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5500	98.99%	0.04
802. 11n HT20	5500	98.86%	0.05
802. 11n HT40	5510	97.95%	0.09
802. 11ac VHT20	5500	98.86%	0.05
802. 11ac VHT40	5510	97.81%	0.10
802. 11ac VHT80	5530	95.81%	0.19

Output Power

NII2C

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5500	Ant7	14.39	13.29
		5580	Ant7	14.84	13.74
		5700	Ant7	14.99	13.89
		5720	Ant7	14.56	13.46
802.11n20M		5500	Ant7	14.22	13.12
		5580	Ant7	14.65	13.55
		5700	Ant7	14.83	13.73
		5720	Ant7	14.39	13.29
802.11n40M		5510	Ant7	14.21	13.11
		5590	Ant7	14.77	13.67
		5670	Ant7	14.90	13.80
		5710	Ant7	14.61	13.51
802.11ac20M		5500	Ant7	14.18	13.08
		5580	Ant7	14.62	13.52
		5700	Ant7	14.78	13.68
		5720	Ant7	14.37	13.27
802.11ac40M		5510	Ant7	14.16	13.06
		5590	Ant7	14.74	13.64
		5670	Ant7	14.89	13.79
		5710	Ant7	14.54	13.44
802.11ac80M		5530	Ant7	13.99	12.89
		5610	Ant7	14.61	13.51
		5690	Ant7	14.35	13.25

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)
5500	Ant7	23.23
5580	Ant7	23.07
5700	Ant7	21.71
5720	Ant7	22.25

Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

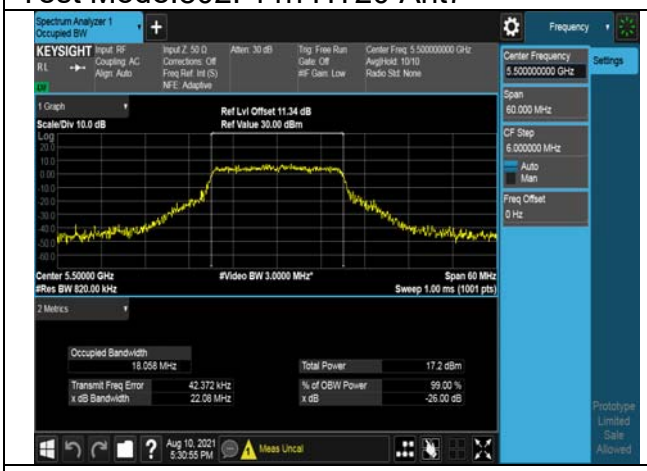
Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

Test Mode:802. 11n HT20

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5500	Ant7	22.08
5580	Ant7	23.80
5700	Ant7	22.66
5720	Ant7	24.15

Test Mode:802. 11n HT20 Ant7



Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT40

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5510	Ant7	40.87
5590	Ant7	40.64
5670	Ant7	40.17
5710	Ant7	40.66

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5500	Ant7	22.73
5580	Ant7	23.16
5700	Ant7	24.20
5720	Ant7	22.28

Test Mode:802. 11ac VHT20 Ant7

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)
5510	Ant7	40.12
5590	Ant7	40.56
5670	Ant7	40.55
5710	Ant7	40.32

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5530	Ant7	82.27
5610	Ant7	81.05
5690	Ant7	81.82

Test Mode:802. 11ac VHT80 Ant7

Test Mode:802. 11ac VHT80 Ant7

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)
5500	Ant7	16.93
5580	Ant7	16.97
5700	Ant7	16.97
5720	Ant7	16.92

Test Mode:802.11a Ant7

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)
5500	Ant7	18.17
5580	Ant7	18.09
5700	Ant7	18.12
5720	Ant7	18.18

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT40

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5510	Ant7	36.41
5590	Ant7	36.32
5670	Ant7	36.27
5710	Ant7	36.34

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5500	Ant7	18.07
5580	Ant7	18.11
5700	Ant7	18.10
5720	Ant7	18.21

Test Mode:802. 11ac VHT20 Ant7

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)
5510	Ant7	36.42
5590	Ant7	36.33
5670	Ant7	36.35
5710	Ant7	36.29

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5530	Ant7	75.81
5610	Ant7	75.82
5690	Ant7	75.69

Test Mode:802. 11ac VHT80 Ant7

Test Mode:802. 11ac VHT80 Ant7

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)
5500	0.04	Ant7	4.34
5580		Ant7	4.75
5700		Ant7	4.98
5720		Ant7	4.59

Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

Test Mode:802.11a Chain0

Test Mode:802. 11n HT20

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm/MHz)
5500	0.05	Ant7	4.46
5580		Ant7	4.79
5700		Ant7	4.98
5720		Ant7	4.47

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Ant7

Test Mode:802. 11n HT20 Chain0

Test Mode:802. 11n HT40

Carrier frequency (MHz)	Correction Factor(dB)	Ant	Power Density (dBm/MHz)
5510	0.09	Ant7	1.25
5590		Ant7	1.59
5670		Ant7	1.87
5710		Ant7	1.58

Test Mode:802. 11n HT40 Ant7

Test Mode:802. 11n HT40 Ant7

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)
5500	0.05	Ant7	4.42
5580		Ant7	4.83
5700		Ant7	4.89
5720		Ant7	4.62

Test Mode:802. 11ac VHT20 Ant7

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)
5510	0.10	Ant7	1.03
5590		Ant7	1.54
5670		Ant7	1.85
5710		Ant7	1.54

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT40 Ant7

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)
5530	0.19	Ant7	-1.60
5610		Ant7	-1.10
5690		Ant7	-1.25

Test Mode:802. 11ac VHT80 Ant7

Test Mode:802. 11ac VHT80 Ant7

Test Mode:802. 11ac VHT80 Ant7