APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5745	98.92	0.05
802. 11n HT20	5745	98.85	0.05
802. 11n HT40	5755	93.72	0.28
802. 11ac VHT20	5745	98.78	0.05
802. 11ac VHT40	5755	97.90	0.09
802. 11ac VHT80	5775	95.68	0.19

Output Power

NII3

Mode	Tones/ RUIndex	Freq (MHz)	Ant	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5720	Ant7	14.53	13.33
		5745	Ant7	14.82	13.62
		5785	Ant7	14.54	13.34
		5825	Ant7	14.37	13.17
802.11n20M		5720	Ant7	14.41	13.21
		5745	Ant7	14.66	13.46
		5785	Ant7	14.36	13.16
		5825	Ant7	14.20	13.00
802.11n40M		5710	Ant7	14.61	13.41
		5755	Ant7	14.70	13.50
		5795	Ant7	14.43	13.23
802.11ac20M		5720	Ant7	14.36	13.16
		5745	Ant7	14.73	13.53
		5785	Ant7	14.41	13.21
		5825	Ant7	14.32	13.12
802.11ac40M		5710	Ant7	14.56	13.36
		5755	Ant7	14.85	13.65
		5795	Ant7	14.61	13.41
802.11ac80M		5690	Ant7	14.34	13.14
		5775	Ant7	14.36	13.16

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)
5720	Ant7	20.60
5745	Ant7	21.70
5785	Ant7	19.00
5825	Ant7	20.40

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)
5720	Ant7	21.13
5745	Ant7	23.14
5785	Ant7	20.78
5825	Ant7	21.22

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)
5710	Ant7	39.65
5755	Ant7	40.19
5795	Ant7	40.10

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)
5720	Ant7	22.66
5745	Ant7	21.82
5785	Ant7	19.94
5825	Ant7	22.69

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)
5710	Ant7	39.58
5755	Ant7	39.71
5795	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 VHT80

Carrier frequency (MHz)	Ant	26dB Bandwidth (MHz)
5690	Ant7	79.67
5775	Ant7	79.38

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)
5720	Ant7	16.45
5745	Ant7	16.43
5785	Ant7	16.46
5825	Ant7	16.42

Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

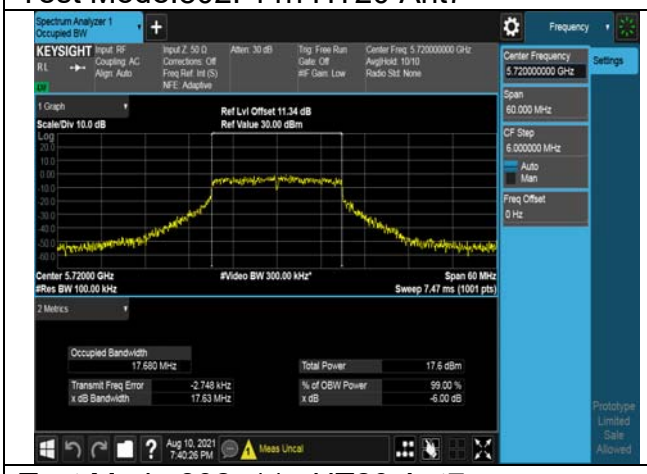
Test Mode:802.11a Ant7

Test Mode:802.11a Ant7

Test Mode:802. 11n HT20

Carrier frequency (MHz)	Ant	Occupied Bandwidth (MHz)
5720	Ant7	17.68
5745	Ant7	17.64
5785	Ant7	17.63
5825	Ant7	17.69

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)
5710	Ant7	36.22
5755	Ant7	36.16
5795	Ant7	36.15

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)
5720	Ant7	17.65
5745	Ant7	17.66
5785	Ant7	17.66
5825	Ant7	17.64

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)
5710	Ant7	36.21
5755	Ant7	36.21
5795	Ant7	36.21

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)
5690	Ant7	75.641
5775	Ant7	75.615

Test Mode:802. 11ac VHT80 Ant7

Test Mode:802. 11ac VHT80 Ant7

6dB Bandwidth

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

Test Mode:802.11a

Carrier frequency (MHz)	Ant	6dB Bandwidth (MHz)
5720	Ant7	16.01
5745	Ant7	16.29
5785	Ant7	16.43
5825	Ant7	16.47

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	6dB Bandwidth (MHz)
5720	Ant7	16.90
5745	Ant7	17.54
5785	Ant7	17.62
5825	Ant7	17.03

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	6dB Bandwidth (MHz)
5710	Ant7	36.40
5755	Ant7	36.36
5795	Ant7	35.29

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	6dB Bandwidth (MHz)
5720	Ant7	17.56
5745	Ant7	17.70
5785	Ant7	17.56
5825	Ant7	16.89

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	6dB Bandwidth (MHz)
5710	Ant7	35.66
5755	Ant7	36.42
5795	Ant7	35.99

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT40 Ant7

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Ant	6dB Bandwidth (MHz)
5690	Ant7	76.40
5775	Ant7	76.42

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/500kHz)
5720	0.05	Ant7	2.21
5745		Ant7	2.66
5785		Ant7	2.26
5825		Ant7	2.03

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result.

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)	Correction Factor(dB)	Ant	Power Density (dBm/500kHz)
5720	0.05	Ant7	2.56
5745		Ant7	2.61
5785		Ant7	2.41
5825		Ant7	2.90

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result.

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)	Correction Factor(dB)	Ant	Power Density (dBm/500kHz)
5710	0.28	Ant7	-0.75
5755		Ant7	-0.53
5795		Ant7	-0.86

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result.

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/500kHz)
5720	0.05	Ant7	2.59
5745		Ant7	2.85
5785		Ant7	2.86
5825		Ant7	2.59

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result.

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/500kHz)
5710	0.09	Ant7	-0.99
5755		Ant7	-0.60
5795		Ant7	-0.62

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result.

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/500kHz)
5690	0.18	Ant7	-3.19
5775	0.19	Ant7	-3.09

Note: As measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result.

Test Mode:802. 11ac VHT80 Ant7

Test Mode:802. 11ac VHT80 Ant7