APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Duty Cycle

Test Mode	Frequency (MHz)	Duty Cycle (%)	Correction Factor(dB)
802.11a	5180	99.54%	0
802. 11n HT20	5180	99.53%	0
802. 11n HT40	5190	99.06%	0
802. 11ac VHT20	5180	99.55%	0
802. 11ac VHT40	5190	98.21%	0
802. 11ac VHT80	5210	98.23%	0

Output Power

NII1

Mode	Tones/ RUIndex	Freq (MHz)	Chain	Conducted average power output(dBm)	EIRP (dBm)
802.11a	NA	5180	Chain0	11.50	10.30
		5220	Chain0	11.54	10.34
		5240	Chain0	11.62	10.42
802.11n20M		5180	Chain0	11.27	10.07
		5220	Chain0	11.38	10.18
		5240	Chain0	11.52	10.32
802.11n40M		5190	Chain0	11.53	10.33
		5230	Chain0	11.66	10.46
802.11ac20M		5180	Chain0	11.25	10.05
		5220	Chain0	11.38	10.18
		5240	Chain0	11.43	10.23
802.11ac40M		5190	Chain0	11.72	10.52
		5230	Chain0	11.83	10.63
802.11ac80M		5210	Chain0	11.69	10.49

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)
5180	Chain0	22.71
5220	Chain0	23.69
5240	Chain0	22.42

Test Mode:802.11a Chain0	Test Mode:802.11a Chain0

Test Mode:802.11a Chain0	
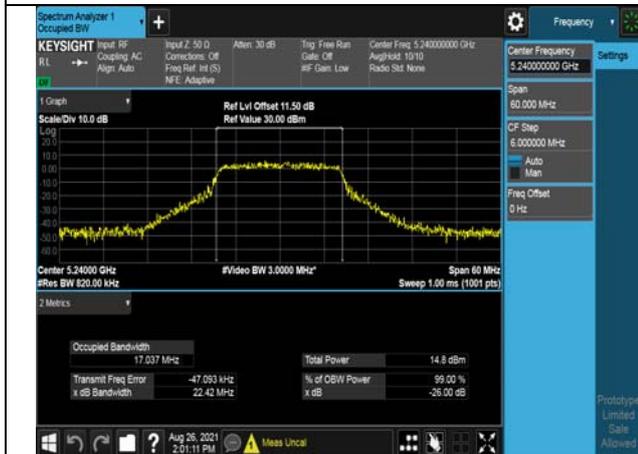
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	23.18
5220	Chain0	24.28
5240	Chain0	23.15

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)
5190	Chain0	40.61
5230	Chain0	40.64

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

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5180	Chain0	23.68
5220	Chain0	23.15
5240	Chain0	23.32

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)
5190	Chain0	40.69
5230	Chain0	40.89

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

Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	26dB Bandwidth (MHz)
5210	Chain0	81.42

Test Mode:802. 11ac VHT80 Chain0	
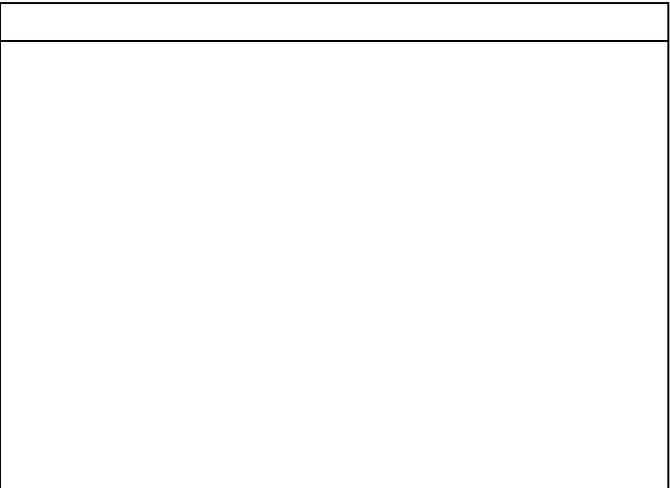
Occupied Bandwidth

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)
5180	Chain0	16.935
5220	Chain0	17.012
5240	Chain0	16.902

Test Mode:802.11a Chain0	Test Mode:802.11a Chain0

Test Mode:802.11a Chain0	
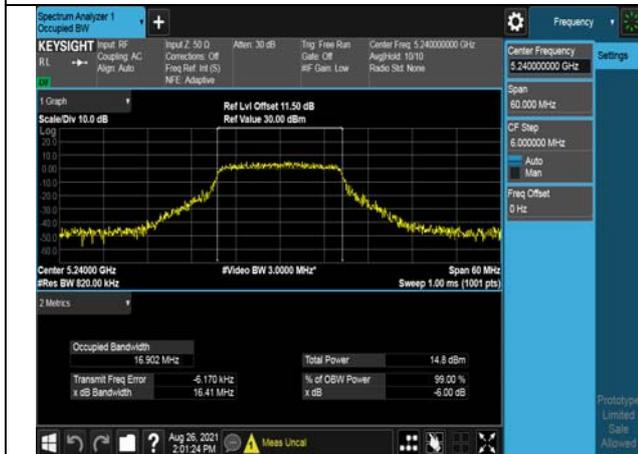
Test Mode:802. 11n HT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	18.148
5220	Chain0	18.163
5240	Chain0	18.170

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)
5190	Chain0	36.291
5230	Chain0	36.408

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

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5180	Chain0	18.127
5220	Chain0	18.206
5240	Chain0	18.177

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)
5190	Chain0	36.309
5230	Chain0	36.307

Test Mode:802. 11ac VHT40 Chain0	Test Mode:802. 11ac VHT40 Chain0
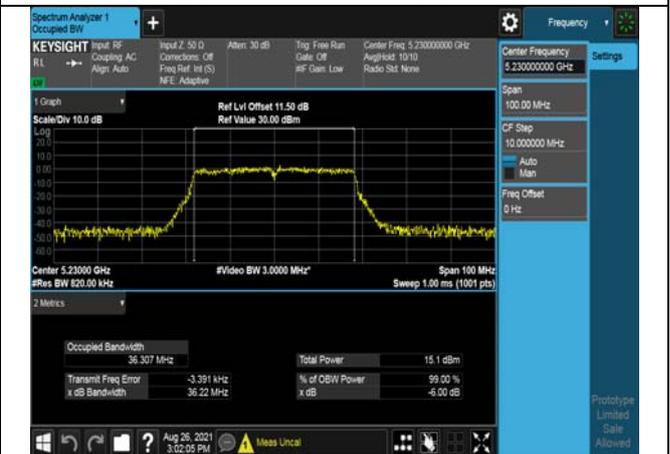
Test Mode:802. 11ac VHT80

Carrier frequency (MHz)	Chain	Occupied Bandwidth (MHz)
5210	Chain0	75.796

Test Mode:802. 11ac VHT80 Chain0	
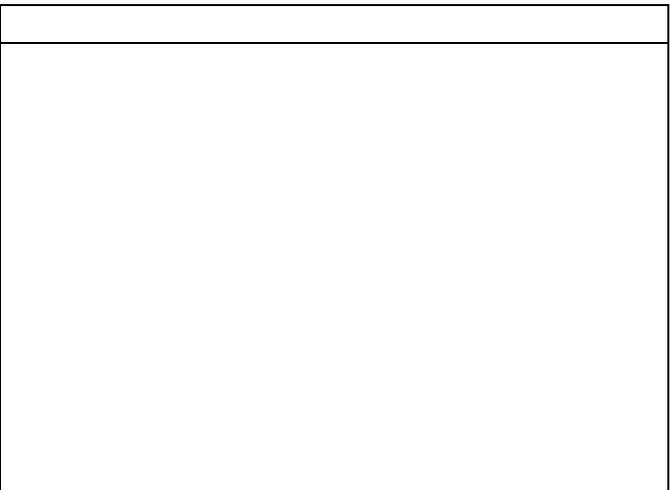
Transmitter Power Spectral Density

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)
5180		Chain0	0.618
5220	0	Chain0	0.662
5240		Chain0	0.768

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)
5180		Chain0	0.126
5220	0	Chain0	0.322
5240		Chain0	0.416

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)
5190	0	Chain0	-3.152
5230		Chain0	-2.037
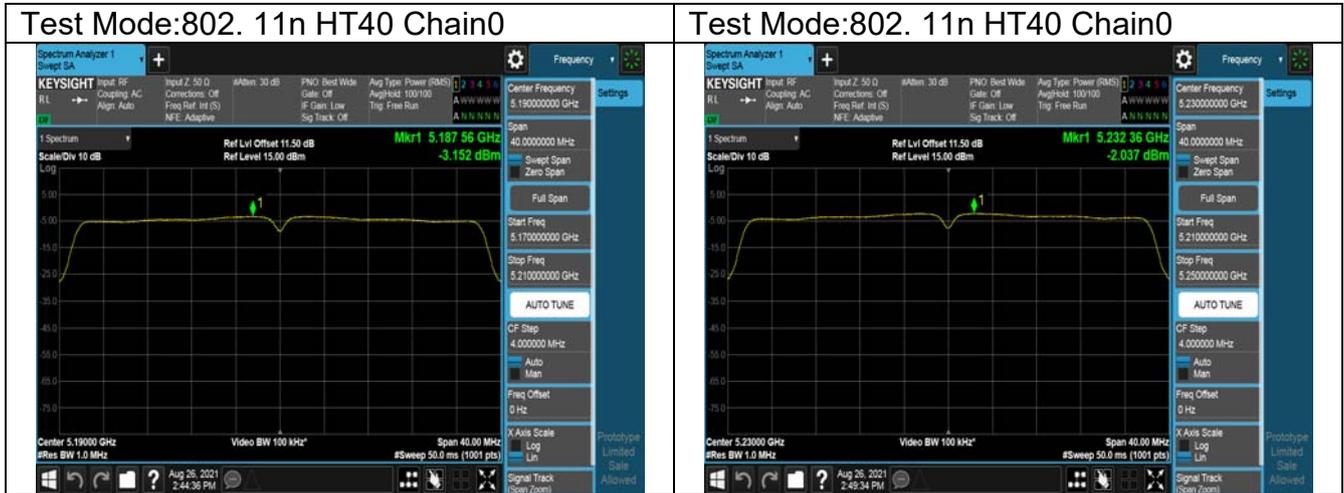
Test Mode:802. 11n HT40 Chain0	Test Mode:802. 11n HT40 Chain0

Test Mode:802. 11ac VHT20

Carrier frequency (MHz)	Correction Factor(dB)	Chain	Power Density (dBm)
5180		Chain0	0.097
5220	0	Chain0	0.239
5240		Chain0	0.326

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)
5190	0	Chain0	-2.306
5230		Chain0	-2.098

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)
5210	0	Chain0	-5.608

Test Mode:802. 11ac VHT80 Chain0	