



1GHz-40GHz:

Note1 : Emission Level = Meter Reading + Factor, Margin= Emission Level- Limit, Factor = Antenna Factor + Cable Loss – Pre-amplifier.

Note2 :The peak value is less than the AV value, AV value is not required Factor added by measurement software automatically.

Note3 :The spurious emission of 25GHz – 40GHz band which the margin is lower more than 20dB,So that it is not reported in this test report.

Note4: The antenna A and antenna B have been tested. The report only shows the worst antenna. The worst case is ANT A.

ANT A

Note: All mode of ANT A had been tested, the mode 11a is the worst mode. Just report the worst data.

For U-NII-1

Polar	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
(H/V)	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
802.11a mode: Low Channel (5180 MHz)-Above 1G									
Vertical	4436.221	54.67	5.94	35.40	44.00	52.01	74.00	-21.99	Pk
Vertical	4435.074	43.83	5.94	35.40	44.00	41.17	54.00	-12.83	AV
Vertical	10370.423	62.89	8.46	39.75	44.50	66.60	68.20	-1.60	Pk
Vertical	15542.167	56.56	10.12	38.80	44.10	61.38	68.20	-6.82	Pk
Vertical	15541.325	43.29	10.12	38.80	42.70	49.51	54.00	-4.49	AV
Horizontal	4434.553	58.00	5.94	35.18	44.00	55.12	74.00	-18.88	Pk
Horizontal	4435.446	44.10	5.94	35.18	44.00	41.22	54.00	-12.78	AV
Horizontal	10372.266	61.77	8.46	38.71	44.50	64.44	68.20	-3.76	Pk
Horizontal	15541.822	56.90	10.12	38.38	44.10	61.30	68.20	-6.90	Pk
Horizontal	15541.556	41.97	10.12	38.38	44.10	46.37	54.00	-7.63	AV
802.11a mode: middle Channel (5200 MHz)-Above 1G									
Vertical	4593.309	57.99	6.48	36.35	44.05	56.77	74.00	-17.23	Pk
Vertical	4592.426	42.19	6.48	36.35	44.05	40.97	54.00	-13.03	AV
Vertical	10402.086	47.11	8.47	37.88	44.51	48.95	68.20	-19.25	Pk
Vertical	15600.385	57.45	10.12	38.8	44.10	62.27	68.20	-5.93	Pk
Vertical	15602.206	41.77	10.12	38.8	42.70	47.99	54.00	-6.01	AV
Horizontal	4593.647	59.94	6.48	36.37	44.05	58.74	74.00	-15.26	Pk
Horizontal	4593.980	42.95	6.48	36.37	44.05	41.75	54.00	-12.25	AV
Horizontal	10400.765	47.30	8.47	38.64	44.50	49.91	68.20	-18.29	Pk
Horizontal	15600.807	57.95	10.12	38.38	44.10	62.35	68.20	-5.85	Pk
Horizontal	15602.046	43.01	10.12	38.38	44.10	47.41	54.00	-6.59	AV



802.11a mode: High Channel (5240 MHz)-Above 1G									
Vertical	4740.176	60.20	7.10	37.24	43.50	61.04	74.00	-12.96	Pk
Vertical	4740.600	45.75	7.10	37.24	43.50	46.59	54.00	-7.41	AV
Vertical	10482.008	60.80	8.46	37.68	44.50	62.44	68.20	-5.76	Pk
Vertical	15720.292	58.52	10.12	38.8	44.10	63.34	68.20	-4.86	Pk
Vertical	15720.250	42.17	10.12	38.8	42.70	48.39	54.00	-5.61	AV
Horizontal	4741.227	59.43	7.10	37.24	43.50	60.27	74.00	-13.73	Pk
Horizontal	4739.183	43.76	7.10	37.24	43.50	44.60	54.00	-9.40	AV
Horizontal	10481.881	43.31	8.46	38.57	44.50	45.84	68.20	-22.36	Pk
Horizontal	15720.771	56.63	10.12	38.38	44.10	61.03	68.20	-7.17	Pk
Horizontal	15721.348	42.63	10.12	38.38	44.10	47.03	54.00	-6.97	AV

For U-NII-3

Polar	Frequency	Meter Reading	Cable loss	Antenna Factor	Preamp Factor	Emission Level	Limits	Margin	Detector Type
(H/V)	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	

802.11a mode: Low Channel (5745 MHz)-Above 1G

Vertical	4681.173	57.92	5.94	35.40	44.00	55.26	74.00	-18.74	Pk
Vertical	4679.813	45.86	5.94	35.40	44.00	43.20	54.00	-10.80	AV
Vertical	11491.802	59.09	8.46	39.75	44.50	62.80	74.00	-11.20	Pk
Vertical	17237.195	56.71	10.12	38.80	44.10	61.53	54.00	7.53	AV
Vertical	17236.168	41.93	10.12	38.80	42.70	48.15	68.20	-20.05	Pk
Horizontal	4680.745	58.47	5.94	35.18	44.00	55.59	74.00	-18.41	Pk
Horizontal	4680.897	44.20	5.94	35.18	44.00	41.32	54.00	-12.68	AV
Horizontal	11491.468	59.39	8.46	38.71	44.50	62.06	74.00	-11.94	Pk
Horizontal	17235.789	58.69	10.12	38.38	44.10	63.09	54.00	9.09	AV
Horizontal	17236.662	43.62	10.12	38.38	44.10	48.02	68.20	-20.18	Pk

802.11a mode: middle Channel (5785 MHz)-Above 1G

Vertical	4592.824	58.14	6.48	36.35	44.05	56.92	74.00	-17.08	Pk
Vertical	4593.988	45.31	6.48	36.35	44.05	44.09	54.00	-9.91	AV
Vertical	11570.261	61.01	8.47	37.88	44.51	62.85	74.00	-11.15	Pk
Vertical	17356.503	58.49	10.12	38.8	44.10	63.31	54.00	9.31	AV
Vertical	17355.416	41.56	10.12	38.8	42.70	47.78	68.20	-20.42	Pk
Horizontal	4593.130	59.67	6.48	36.37	44.05	58.47	74.00	-15.53	Pk
Horizontal	4592.826	44.72	6.48	36.37	44.05	43.52	54.00	-10.48	AV
Horizontal	11570.849	47.48	8.47	38.64	44.50	50.09	74.00	-23.91	Pk



Horizontal	17355.555	60.02	10.12	38.38	44.10	64.42	54.00	10.42	AV
Horizontal	17356.849	44.49	10.12	38.38	44.10	48.89	68.20	-19.31	Pk
802.11a mode: High Channel (5825 MHz)-Above 1G									
Vertical	5039.333	61.07	7.10	37.24	43.50	61.91	74.00	-12.09	Pk
Vertical	5040.407	47.22	7.10	37.24	43.50	48.06	54.00	-5.94	AV
Vertical	11650.475	56.56	8.46	37.68	44.50	58.20	74.00	-15.80	Pk
Vertical	17476.674	59.61	10.12	38.8	44.10	64.43	54.00	10.43	AV
Vertical	17475.902	40.64	10.12	38.8	42.70	46.86	68.20	-21.34	Pk
Horizontal	5039.700	67.40	7.10	37.24	43.50	68.24	74.00	-5.76	Pk
Horizontal	5039.965	43.64	7.10	37.24	43.50	44.48	54.00	-9.52	AV
Horizontal	11650.365	45.07	8.46	38.57	44.50	47.60	74.00	-26.40	Pk
Horizontal	17476.581	60.50	10.12	38.38	44.10	64.90	54.00	10.90	AV
Horizontal	17475.545	45.14	10.12	38.38	44.10	49.54	68.20	-18.66	Pk



Band edge – radiated

Note: Two transmit chains had been tested, the ANT A is the worst mode. Just report the worst data.

For U-NII-1

For 802.11a mode: (CH36 5180MHz)

Polarization	Frequency	Read Level	Cable loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Over Limit	Detector Type
/	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	5150	66.95	8.69	29.4	42.59	62.45	74	-11.55	Pk
Horizontal	5350	64.06	9.37	30.41	43.25	60.59	74	-13.41	Pk
Horizontal	5460	46.81	8.69	29.4	42.59	42.31	74	-31.69	Pk
Vertical	5150	67.71	9.21	29.4	42.59	63.73	74	-10.27	Pk
Vertical	5350	60.66	9.12	30.41	43.25	56.94	74	-17.06	Pk
Vertical	5460	51.35	9.12	30.41	43.25	47.63	74	-26.37	Pk

Polarization	Frequency	Read Level	Cable loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Over Limit	Detector Type
/	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
Horizontal	5150	65.54	8.69	29.4	42.59	61.04	54	7.04	AV
Horizontal	5350	63.29	9.37	30.41	43.25	59.82	54	5.82	AV
Horizontal	5460	46.65	8.69	29.4	42.59	42.15	54	-11.85	AV
Vertical	5150	68.09	9.21	29.4	42.59	64.11	54	10.11	AV
Vertical	5350	60.85	9.12	30.41	43.25	57.13	54	3.13	AV
Vertical	5460	49.83	9.12	30.41	43.25	46.11	54	-7.89	AV



For 802.11n-(HT20) mode: (CH36 5180MHz)

Polarization	Frequency	Read Level	Cable loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Over Limit	Detector
/	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Type
Horizontal	5150	65.41	8.69	29.4	42.59	60.91	74	-13.09	Pk
Horizontal	5350	67.75	9.37	30.41	43.25	64.28	74	-9.72	Pk
Horizontal	5460	45.86	8.69	29.4	42.59	41.36	74	-32.64	Pk
Vertical	5150	64.65	9.21	29.4	42.59	60.67	74	-13.33	Pk
Vertical	5350	68.53	9.12	30.41	43.25	64.81	74	-9.19	Pk
Vertical	5460	50.25	9.21	29.4	42.59	46.27	74	-27.73	Pk

Polarization	Frequency	Read Level	Cable loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Over Limit	Detector
/	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Type
Horizontal	5150	65.49	8.69	29.4	42.59	60.99	54	6.99	AV
Horizontal	5350	67.04	9.37	30.41	43.25	63.57	54	9.57	AV
Horizontal	5460	45.87	8.69	29.4	42.59	41.37	54	-12.63	AV
Vertical	5150	65.66	9.21	29.4	42.59	61.68	54	7.68	AV
Vertical	5350	67.05	9.12	30.41	43.25	63.33	54	9.33	AV
Vertical	5460	50.13	9.21	29.4	42.59	46.15	54	-7.85	AV



For U-NII-3

For 802.11a mode: (CH149 5745MHz)

Polarization	Frequency	Read Level	Cable loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Over Limit	Detector
/	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Type
Horizontal	5650	67.99	8.69	29.4	42.59	63.49	68.2	-4.71	Pk
Horizontal	5700	63.28	9.37	30.41	43.25	59.81	85.2	-25.39	Pk
Horizontal	5720	48.13	8.69	29.4	42.59	43.63	110.8	-67.17	Pk
Horizontal	5725	51.23	8.46	30.41	43.25	46.85	122.2	-75.35	Pk
Vertical	5650	51.07	9.21	29.4	42.59	47.09	68.2	-21.11	Pk
Vertical	5700	50.93	9.12	30.41	43.25	47.21	85.2	-37.99	Pk
Vertical	5720	70.35	9.21	29.4	42.59	66.37	110.8	-44.43	Pk
Vertical	5725	61.27	9.12	30.41	43.25	57.55	122.2	-64.65	Pk

For 802.11n-(HT20) mode: (CH149 5745MHz)

Polarization	Frequency	Read Level	Cable loss	Antenna Factor	Preamplifier Factor	Emission Level	Limits	Over Limit	Detector
/	(MHz)	(dBuV)	(dB)	dB/m	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Type
Horizontal	5650	67.96	8.69	29.4	42.59	63.46	68.2	-4.74	Pk
Horizontal	5700	64.78	9.37	30.41	43.25	61.31	85.2	-23.89	Pk
Horizontal	5720	47.60	8.69	29.4	42.59	43.10	110.8	-67.70	Pk
Horizontal	5725	51.51	8.46	30.41	43.25	47.13	122.2	-75.07	Pk
Vertical	5650	49.23	9.21	29.4	42.59	45.25	68.2	-22.95	Pk
Vertical	5700	50.73	9.12	30.41	43.25	47.01	85.2	-38.19	Pk
Vertical	5720	69.77	9.21	29.4	42.59	65.79	110.8	-45.01	Pk
Vertical	5725	60.69	9.12	30.41	43.25	56.97	122.2	-65.23	Pk



5.9 Power spectral density

5.9.1 Limit

For the band 5.15-5.25 GHz

For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.725-5.85 GHz

The maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.9.2 Test procedure

For U-NII-1

1. Set analyzer center frequency to NII channel center frequency.
2. Set the RBW $\geq$ 1MHz.
3. Set the VBW $\geq$ 3 x RBW.
4. Detector = peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the maximum amplitude level.

For U-NII-3

1. Set analyzer center frequency to NII channel center frequency.
2. Set the RBW $\geq$ 510kHz.
3. Set the VBW $\geq$ 3 x RBW.
4. Detector = peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the maximum amplitude level.



5.9.3 Test setup



5.9.4 Test results

For U-NII-1

Test Channel	Frequency (MHz)	Power density (ANT A)	Power density (ANT B)	Power density (ANT Total)	Limit (dBm)
		dBm/MHz	dBm/MHz	dBm/MHz	dBm/MHz
802.11a mode					
CH36	5180	2.870	2.774	N/A	11
CH40	5200	3.538	3.817	N/A	
CH48	5240	4.377	3.479	N/A	
802.11n20 mode					
CH36	5180	2.721	2.779	5.76	11
CH40	5200	3.215	3.636	6.44	
CH48	5240	4.008	4.601	7.32	

For U-NII-3

Test Channel	Frequency (MHz)	Power density (ANT A)	Power density (ANT B)	Power density (ANT Total)	Limit (dBm)
		dBm/500kHz	dBm/500kHz	dBm/500kHz	dBm/500kHz
802.11a mode					
CH149	5745	4.821	4.117	N/A	30
CH157	5785	4.070	4.615	N/A	
CH165	5825	4.733	5.375	N/A	
802.11n20 mode					
CH149	5745	3.920	3.795	6.87	30
CH157	5785	3.771	3.834	6.81	
CH165	5825	4.474	4.247	7.37	

Note: If the measurement is X dBm/510kHz, thus X dBm/510kHz =

$$(10^{X/10}) * (500 / 510) \text{ mW/500kHz} = 10 * \log_{10} \{ (10^{X/10}) * (500 / 510) \} \text{ dBm/500kHz}$$



Test plots

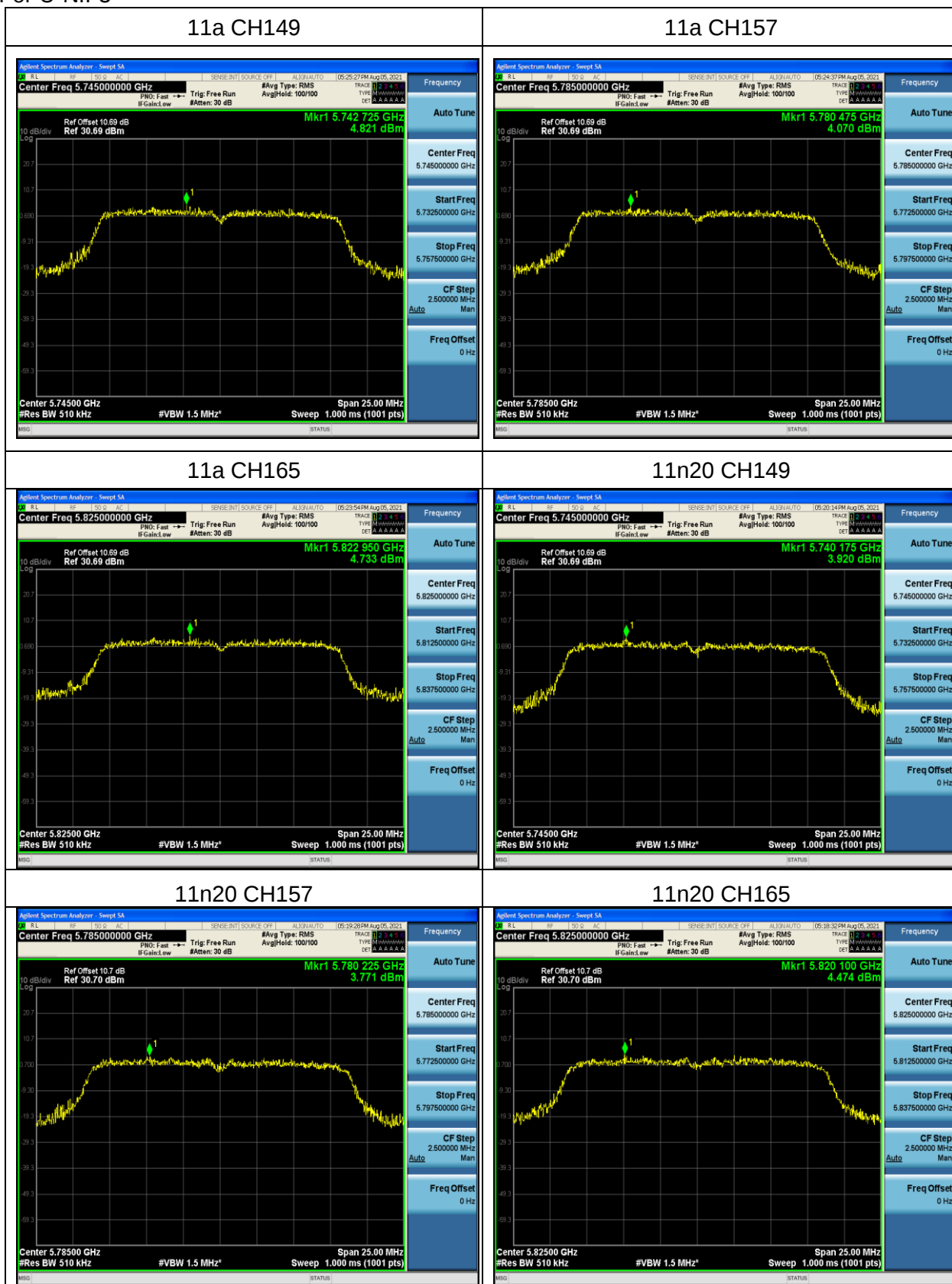
ANT A

For U-NII-1





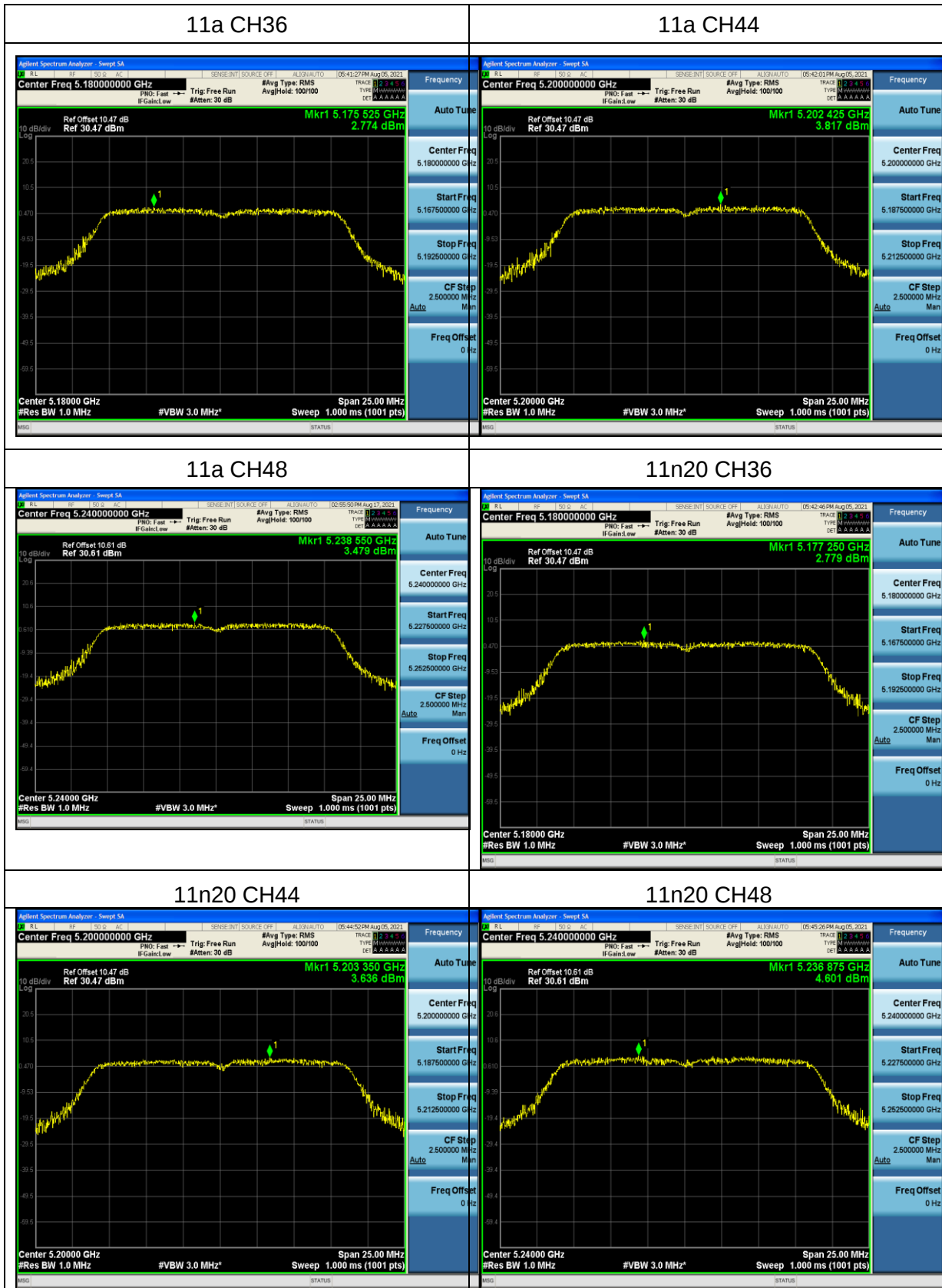
For U-NII-3





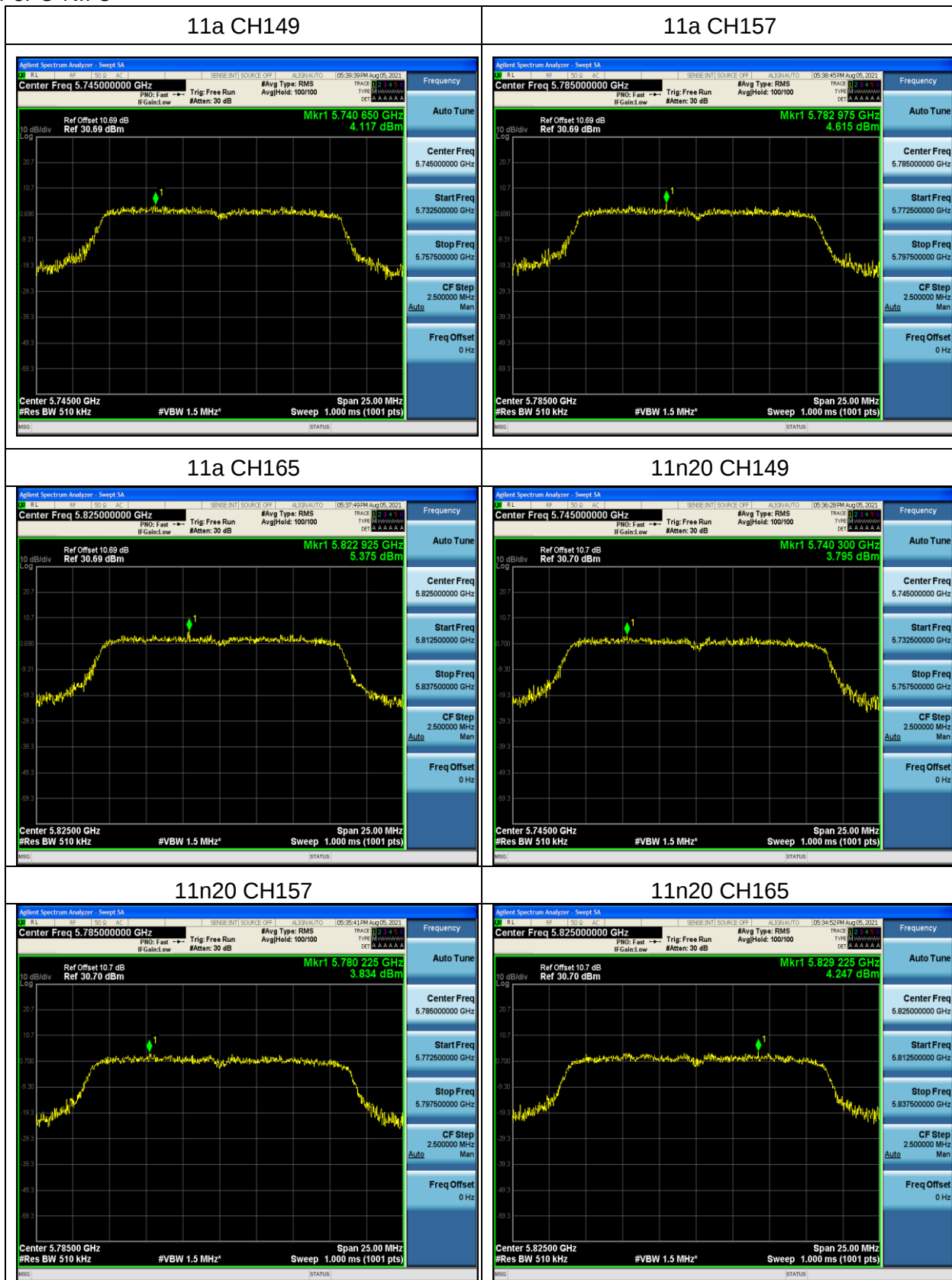
ANT B

For U-NII-1





For U-NII-3





5.10 Frequency Stability Measurement

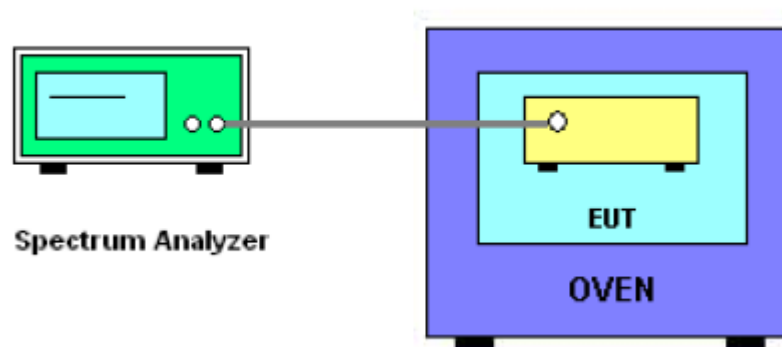
5.10.1 Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

5.10.2 Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and max hold settings.
5. Fc is declaring of channel frequency. Then the frequency error formula is $(f_c - f)/f_c \times 10^6$ ppm and the limit is less than ± 20 ppm (IEEE 802.11n specification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature is $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$.

5.10.3 Test Setup Layout



5.10.4 EUT Operation during Test

The EUT was programmed to be in continuously un-modulation transmitting mode.



5.10.5 TEST RESULTS

Note: The antenna A and antenna B have been tested. The report only shows the worst antenna. The worst case is ANT A.

ANT A test data:

For U-NII-1

Voltage vs. Frequency Stability

Test conditions				Reference Frequency:5180			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	7.7	5180.0185	5180	0.0185	-3.5714
		V max (V)	8.855	5180.0177	5180	0.0177	-3.4170
		V min (V)	6.545	5180.0169	5180	0.0169	-3.2625
Limit				Within 5150-5250MHz			
Result				Complies			

Temperature vs. Frequency Stability

Test conditions				Reference Frequency:5180			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	T (°C)	-20	5180.0165	5180	0.0165	-3.1853
		T (°C)	-10	5180.0151	5180	0.0151	-2.9151
		T (°C)	0	5180.0136	5180	0.0136	-2.6255
		T (°C)	10	5180.0144	5180	0.0144	-2.7799
		T (°C)	20	5180.0152	5180	0.0152	-2.9344
		T (°C)	30	5180.0136	5180	0.0136	-2.6255
		T (°C)	40	5180.0152	5180	0.0152	-2.9344
		T (°C)	50	5180.0115	5180	0.0114	-2.2104
		T (°C)	60	5180.0133	5180	0.0133	-2.5676
		T (°C)	70	5180.0147	5180	0.0147	-2.8378
Limit				Within 5150-5250MHz			
Result				Complies			



Voltage vs. Frequency Stability

Test conditions				Reference Frequency:5200			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	7.7	5200.0159	5200	0.0159	-3.0577
		V max (V)	8.855	5200.0161	5200	0.0161	-3.0962
		V min (V)	6.545	5200.0163	5200	0.0163	-3.1346
Limit				Within 5150-5250MHz			
Result				Complies			

Temperature vs. Frequency Stability

Test conditions				Reference Frequency:5200			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	T (°C)	-20	5200.0178	5200	0.0178	-3.4231
		T (°C)	-10	5200.0166	5200	0.0166	-3.1923
		T (°C)	0	5200.0159	5200	0.0159	-3.0577
		T (°C)	10	5200.0155	5200	0.0155	-2.9808
		T (°C)	20	5200.0167	5200	0.0167	-3.2115
		T (°C)	30	5200.0171	5200	0.0171	-3.2885
		T (°C)	40	5200.0188	5200	0.0188	-3.6154
		T (°C)	50	5200.0174	5200	0.0174	-3.3462
		T (°C)	60	5200.0169	5200	0.0169	-3.2500
		T (°C)	70	5200.0165	5200	0.0165	-3.1731
Limit				Within 5150-5250MHz			
Result				Complies			



Voltage vs. Frequency Stability

Test conditions				Reference Frequency:5240			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	7.7	5240.0187	5240	0.0187	-3.5687
		V max (V)	8.855	5240.0175	5240	0.0175	-3.3397
		V min (V)	6.545	5240.0159	5240	0.0159	-3.0344
Limit				Within 5150-5250MHz			
Result				Complies			

Temperature vs. Frequency Stability

Test conditions				Reference Frequency:5240			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	T (°C)	-20	5240.0165	5240	0.0165	-3.1489
		T (°C)	-10	5240.0174	5240	0.0174	-3.3206
		T (°C)	0	5240.0162	5240	0.0162	-3.0916
		T (°C)	10	5240.0171	5240	0.0171	-3.2634
		T (°C)	20	5240.0168	5240	0.0168	-3.2061
		T (°C)	30	5240.0164	5240	0.0164	-3.1298
		T (°C)	40	5240.0161	5240	0.0161	-3.0725
		T (°C)	50	5240.0162	5240	0.0162	-3.0916
		T (°C)	60	5240.0159	5240	0.0159	-3.0344
		T (°C)	70	5240.0164	5240	0.0164	-3.1298
Limit				Within 5150-5250MHz			
Result				Complies			



For U-NII-3

Test conditions				Reference Frequency:5745			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	7.7	5745.0175	5745	0.01750	-3.0461
		V max (V)	8.855	5745.0164	5745	0.01640	-2.8547
		V min (V)	6.545	5745.0196	5745	0.01955	-3.4030
Limit				Within 5725-5850MHz			
Result				Complies			

Temperature vs. Frequency Stability

Test conditions				Reference Frequency:5745			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	T (°C)	-20	5745.0168	5745	0.01680	-2.9243
		T (°C)	-10	5745.0162	5745	0.01620	-2.8198
		T (°C)	0	5745.0171	5745	0.01710	-2.9765
		T (°C)	10	5745.0159	5745	0.01590	-2.7676
		T (°C)	20	5745.0158	5745	0.01580	-2.7502
		T (°C)	30	5745.0167	5745	0.01670	-2.9069
		T (°C)	40	5745.0164	5745	0.01640	-2.8547
		T (°C)	50	5745.0155	5745	0.01550	-2.6980
		T (°C)	60	5745.0188	5745	0.01880	-3.2724
		T (°C)	70	5745.0165	5745	0.01650	-2.8721
Limit				Within 5725-5850MHz			
Result				Complies			



Voltage vs. Frequency Stability

Test conditions				Reference Frequency:5785			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)	7.7	5785.01533	5785	0.01533	-2.6500
		V max (V)	8.855	5785.01781	5785	0.01781	-3.0787
		V min (V)	6.545	5785.01701	5785	0.01701	-2.9404
Limit				Within 5725-5850MHz			
Result				Complies			

Temperature vs. Frequency Stability

Test conditions				Reference Frequency:5785			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	T (°C)	-20	5785.0156	5785	0.01564	-2.7035
		T (°C)	-10	5785.0177	5785	0.01765	-3.0510
		T (°C)	0	5785.0162	5785	0.01620	-2.8003
		T (°C)	10	5785.0157	5785	0.01570	-2.7139
		T (°C)	20	5785.0159	5785	0.01590	-2.7485
		T (°C)	30	5785.0168	5785	0.01680	-2.9041
		T (°C)	40	5785.0169	5785	0.01690	-2.9213
		T (°C)	50	5785.0159	5785	0.01590	-2.7485
		T (°C)	60	5785.0161	5785	0.01610	-2.7831
		T (°C)	70	5785.0165	5785	0.01650	-2.8522
Limit				Within 5725-5850MHz			
Result				Complies			



Voltage vs. Frequency Stability

Test conditions				Reference Frequency:5825			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	V nom (V)		5825.0133	5825	0.01330	-2.2833
		V max (V)		5825.0164	5825	0.01640	-2.8155
		V min (V)		5825.0155	5825	0.01550	-2.6609
Limit				Within 5725-5850MHz			
Result				Complies			

Temperature vs. Frequency Stability

Test conditions				Reference Frequency:5825			
				f	fc	Max. Deviation (MHz)	Max. Deviation (ppm)
T nom (°C)	20	T (°C)	-20	5825.0162	5825	0.01620	-2.7811
		T (°C)	-10	5825.0159	5825	0.01590	-2.7296
		T (°C)	0	5825.0171	5825	0.01710	-2.9356
		T (°C)	10	5825.0167	5825	0.01670	-2.8670
		T (°C)	20	5825.0162	5825	0.01620	-2.7811
		T (°C)	30	5825.0158	5825	0.01580	-2.7124
		T (°C)	40	5825.0163	5825	0.01630	-2.7983
		T (°C)	50	5825.0174	5825	0.01740	-2.9871
		T (°C)	60	5825.0159	5825	0.01590	-2.7296
		T (°C)	70	5825.0162	5825	0.01620	-2.7811
Limit				Within 5725-5850MHz			
Result				Complies			



Photographs of the Test Setup

Radiated emission





Photographs of the EUT

See the APPENDIX 1- EUT PHOTO.

----END OF REPORT----