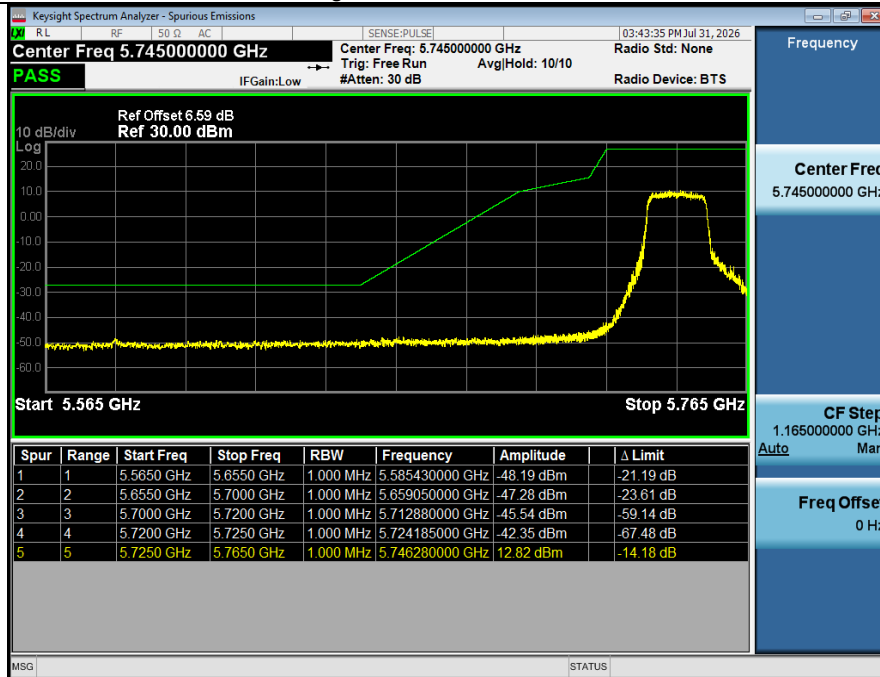


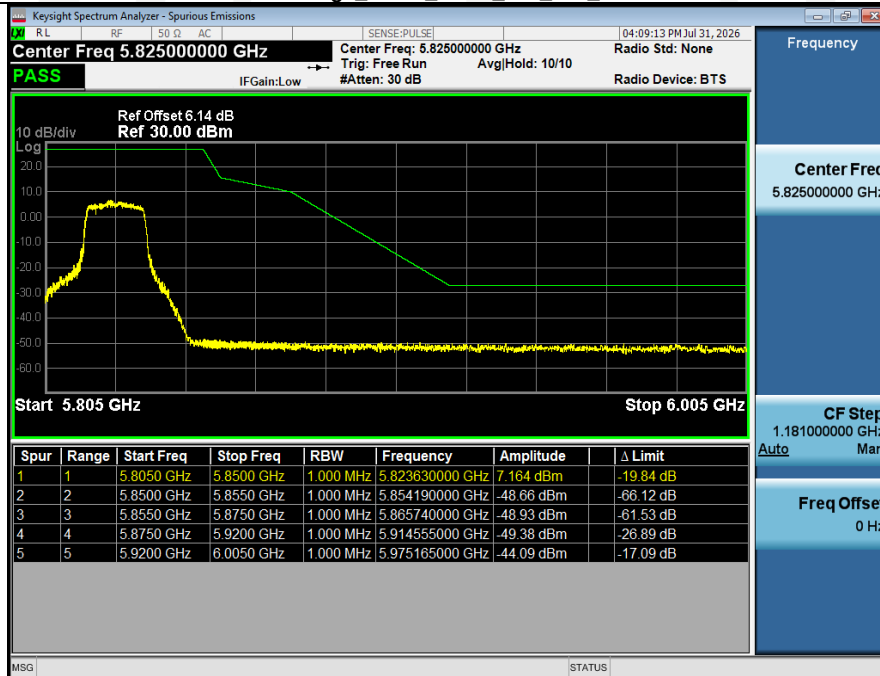
Band4

Condition	Antenna	Modulation	TX_Frequency (MHz)	Frequency Area(MHz)	Frequency(MHz)	Amplitude(dBm)	Limit(dBm)	Result
NVNT	ANT1	802.11a	LCH	5565-5655	5585.430	-48.19	-27.00	Pass
NVNT	ANT1	802.11a	LCH	5655-5700	5659.050	-47.28	-23.67	Pass
NVNT	ANT1	802.11a	LCH	5700-5720	5712.880	-45.54	13.61	Pass
NVNT	ANT1	802.11a	LCH	5720-5725	5724.185	-42.35	25.14	Pass
NVNT	ANT1	802.11a	HCH	5850-5855	5854.190	-48.66	17.45	Pass
NVNT	ANT1	802.11a	HCH	5855-5875	5865.740	-48.93	12.59	Pass
NVNT	ANT1	802.11a	HCH	5875-5920	5914.555	-49.38	-22.52	Pass
NVNT	ANT1	802.11a	HCH	5920-6005	5975.165	-44.09	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5565-5655	5576.340	-49.53	-27.00	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5655-5700	5657.295	-49.32	-25.11	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5700-5720	5712.200	-48.16	13.42	Pass
NVNT	ANT1	802.11n(HT20)	LCH	5720-5725	5721.565	-46.30	19.17	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5850-5855	5854.120	-48.21	17.61	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5855-5875	5874.920	-48.82	10.02	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5875-5920	5908.840	-49.50	-17.82	Pass
NVNT	ANT1	802.11n(HT20)	HCH	5920-6005	5993.780	-45.53	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5565-5655	5611.440	-49.95	-27.00	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5655-5700	5665.035	-49.20	-18.75	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5700-5720	5702.380	-47.99	10.67	Pass
NVNT	ANT1	802.11ac(VHT20)	LCH	5720-5725	5722.670	-45.85	21.69	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5850-5855	5854.905	-48.44	15.82	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5855-5875	5870.280	-48.86	11.32	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5875-5920	5918.470	-48.75	-25.74	Pass
NVNT	ANT1	802.11ac(VHT20)	HCH	5920-6005	5930.965	-45.61	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5595-5655	5595.360	-48.81	-27.00	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5655-5700	5664.450	-49.20	-19.23	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5700-5720	5716.680	-45.71	14.67	Pass
NVNT	ANT1	802.11n(HT40)	LCH	5720-5725	5724.685	-42.73	26.28	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5850-5855	5854.270	-46.49	17.26	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5855-5875	5864.240	-47.68	13.01	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5875-5920	5919.775	-48.95	-26.81	Pass
NVNT	ANT1	802.11n(HT40)	HCH	5920-5955	5936.940	-45.02	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5595-5655	5654.940	-49.38	-27.00	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5655-5700	5655.990	-49.35	-26.19	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5700-5720	5716.600	-45.69	14.65	Pass
NVNT	ANT1	802.11ac(VHT40)	LCH	5720-5725	5724.725	-42.76	26.37	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5850-5855	5854.730	-47.31	16.22	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5855-5875	5865.660	-47.50	12.62	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5875-5920	5917.210	-48.96	-24.71	Pass
NVNT	ANT1	802.11ac(VHT40)	HCH	5920-5955	5954.650	-45.53	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5650-5655	5654.465	-45.38	-27.00	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5655-5700	5683.080	-40.79	-3.91	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5700-5720	5717.960	-36.27	15.03	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5720-5725	5721.530	-35.01	19.09	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5850-5855	5854.865	-39.89	15.91	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5855-5875	5862.440	-41.16	13.52	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5875-5920	5878.600	-43.51	7.04	Pass
NVNT	ANT1	802.11ac(VHT80)	MCH	5920-5925	5923.040	-44.61	-27.00	Pass

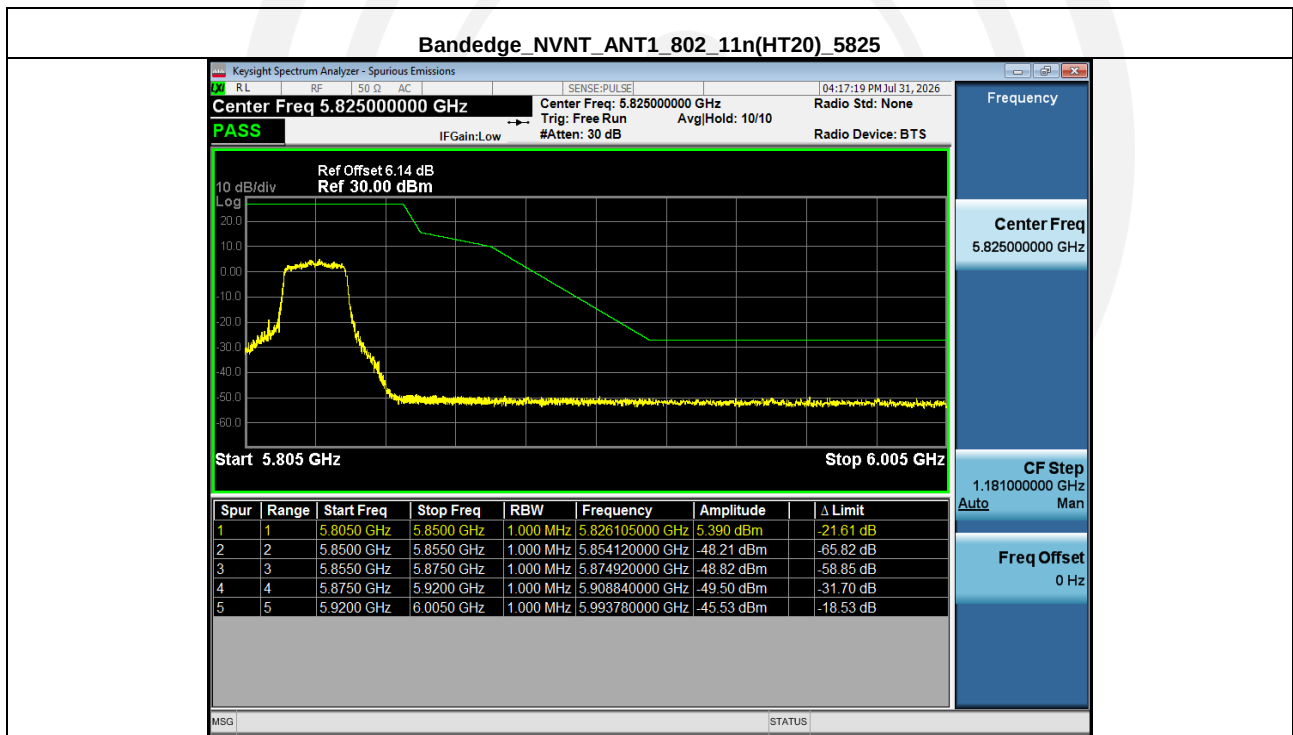
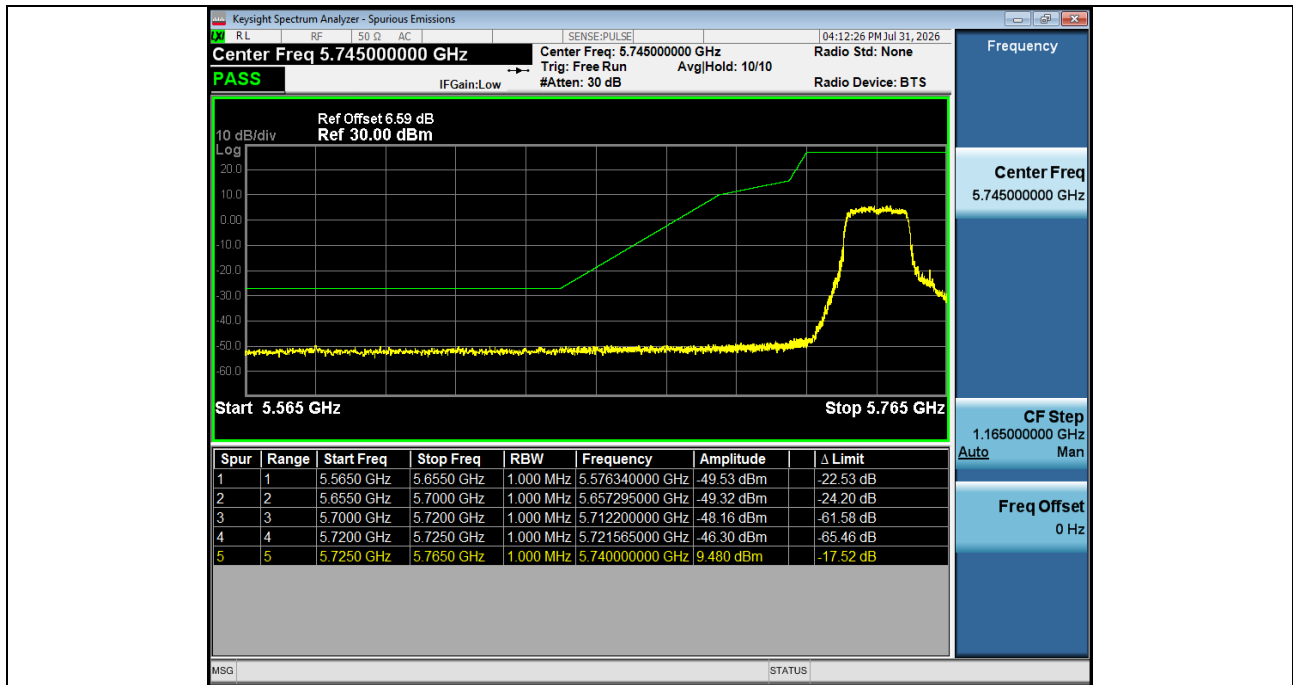
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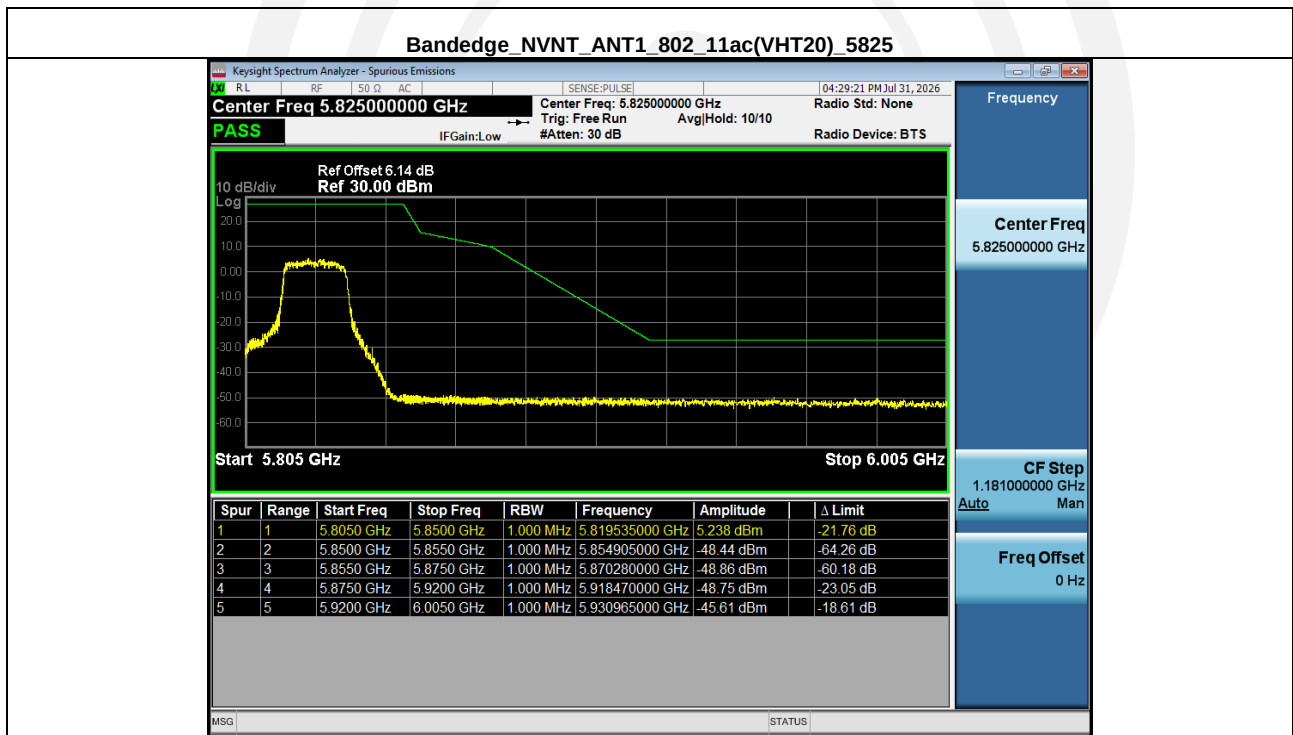
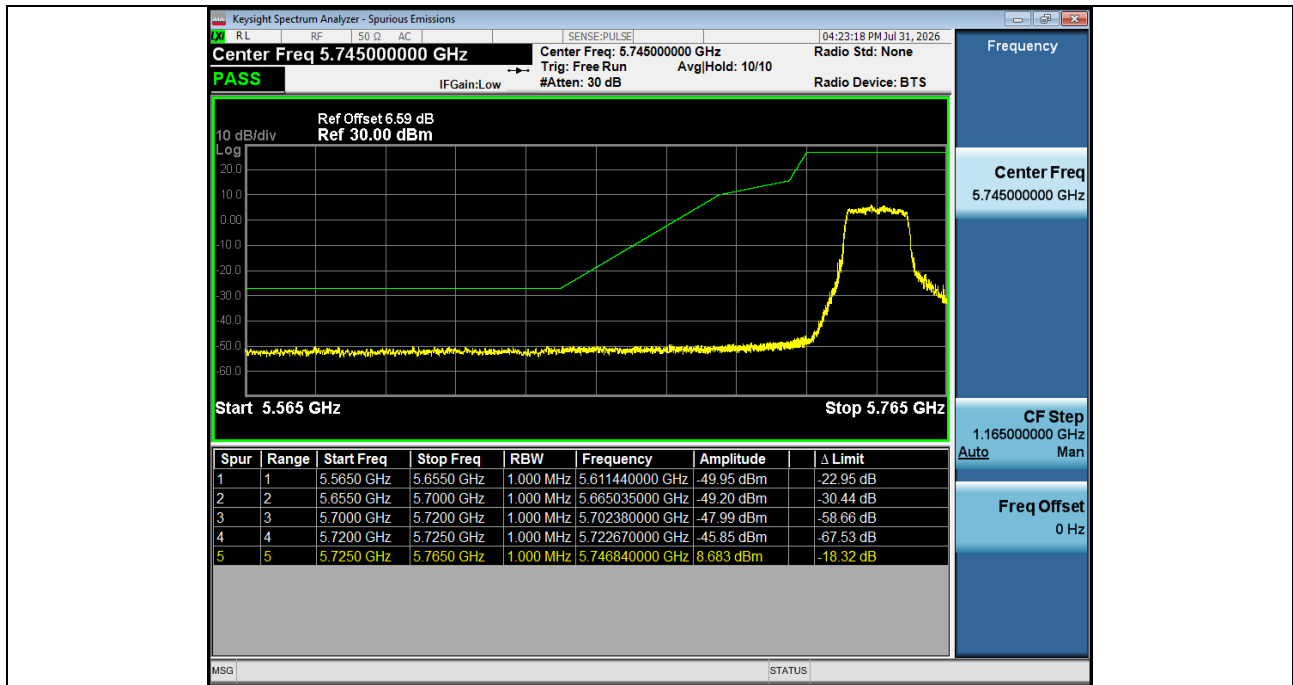
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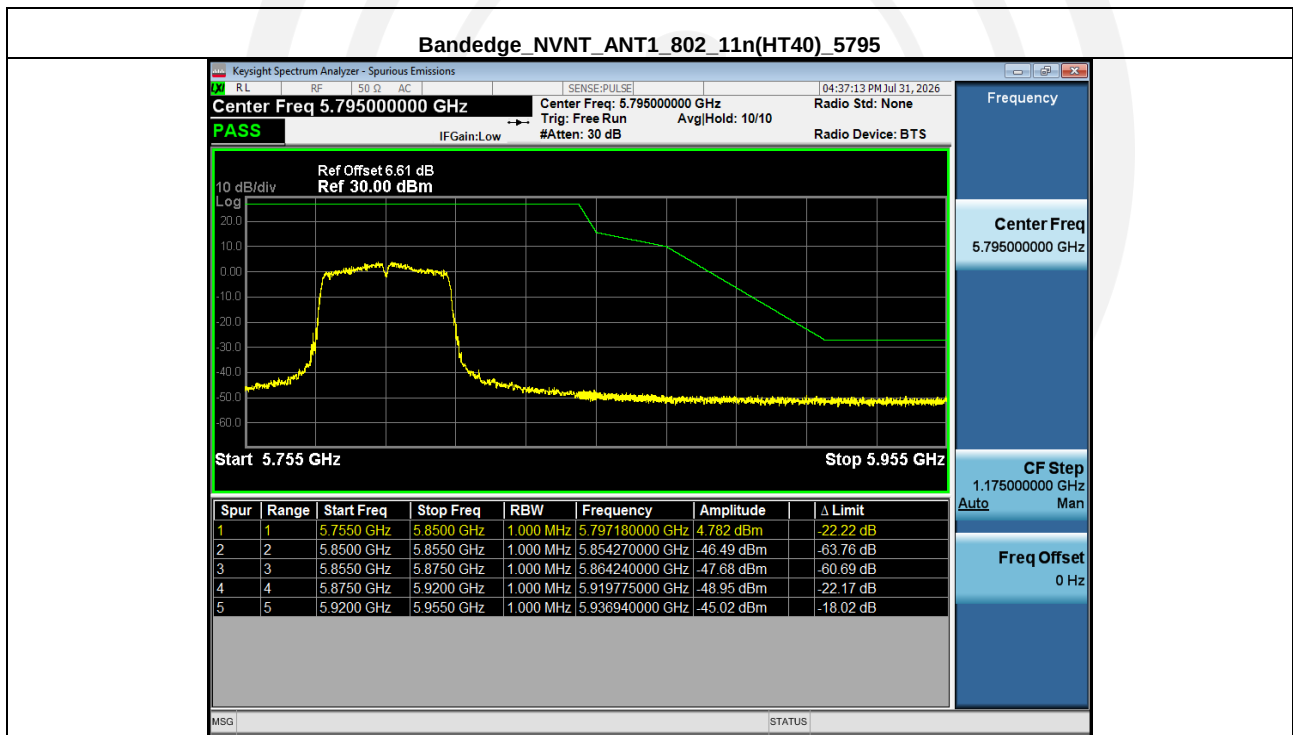
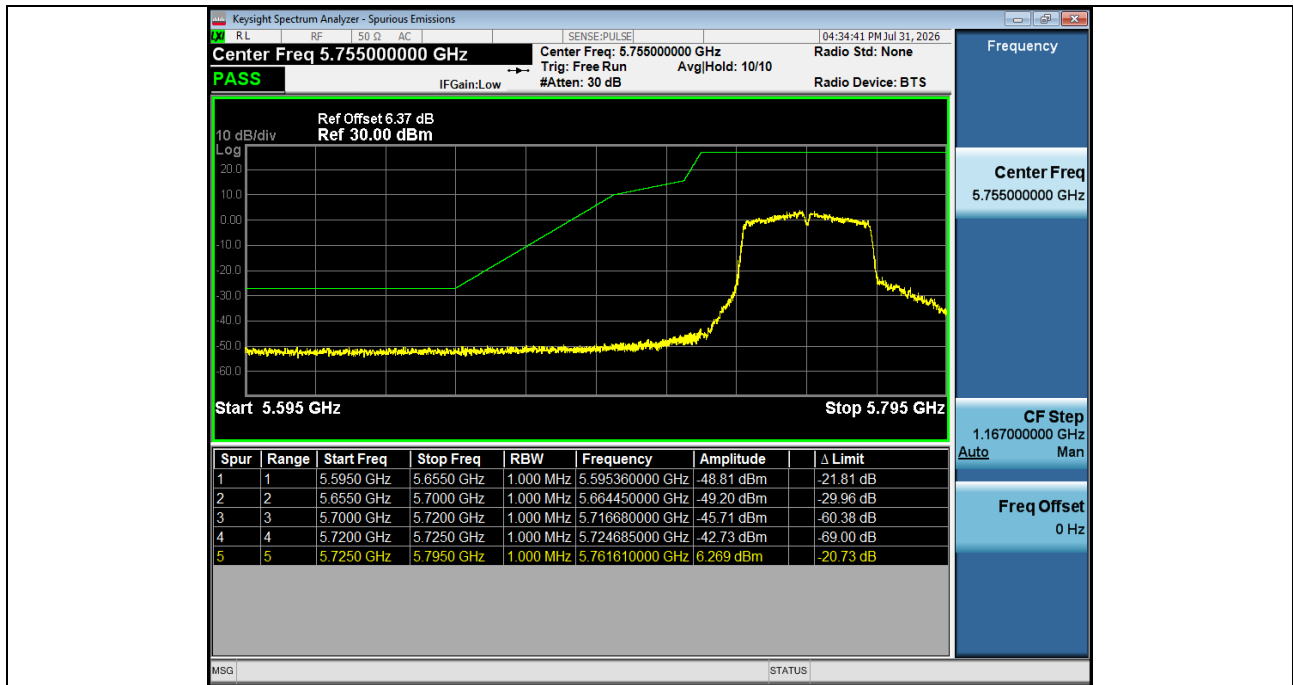
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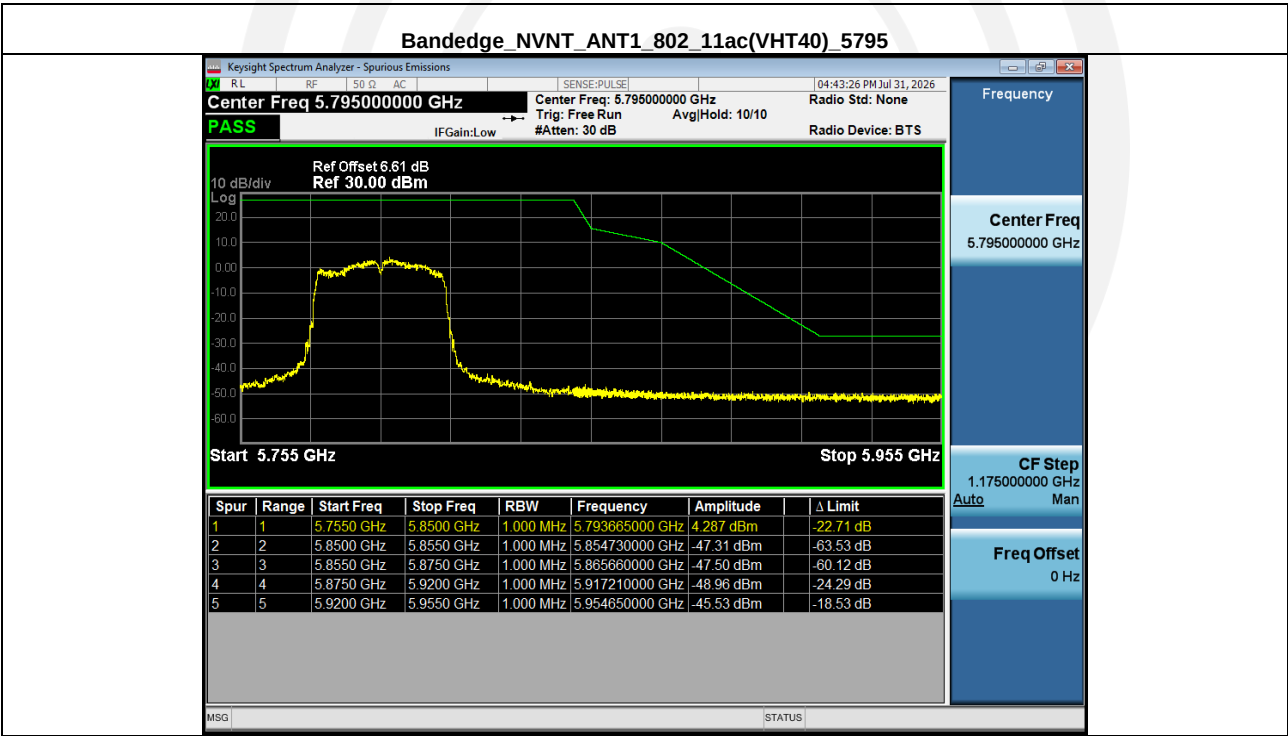
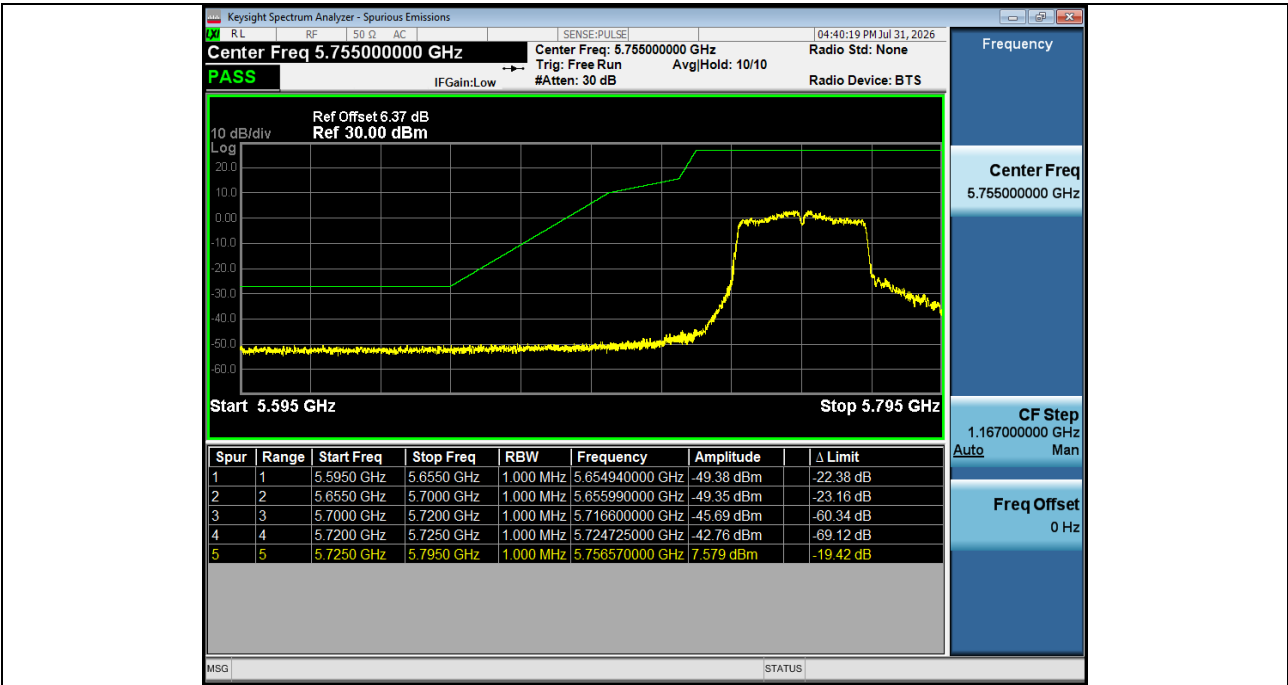
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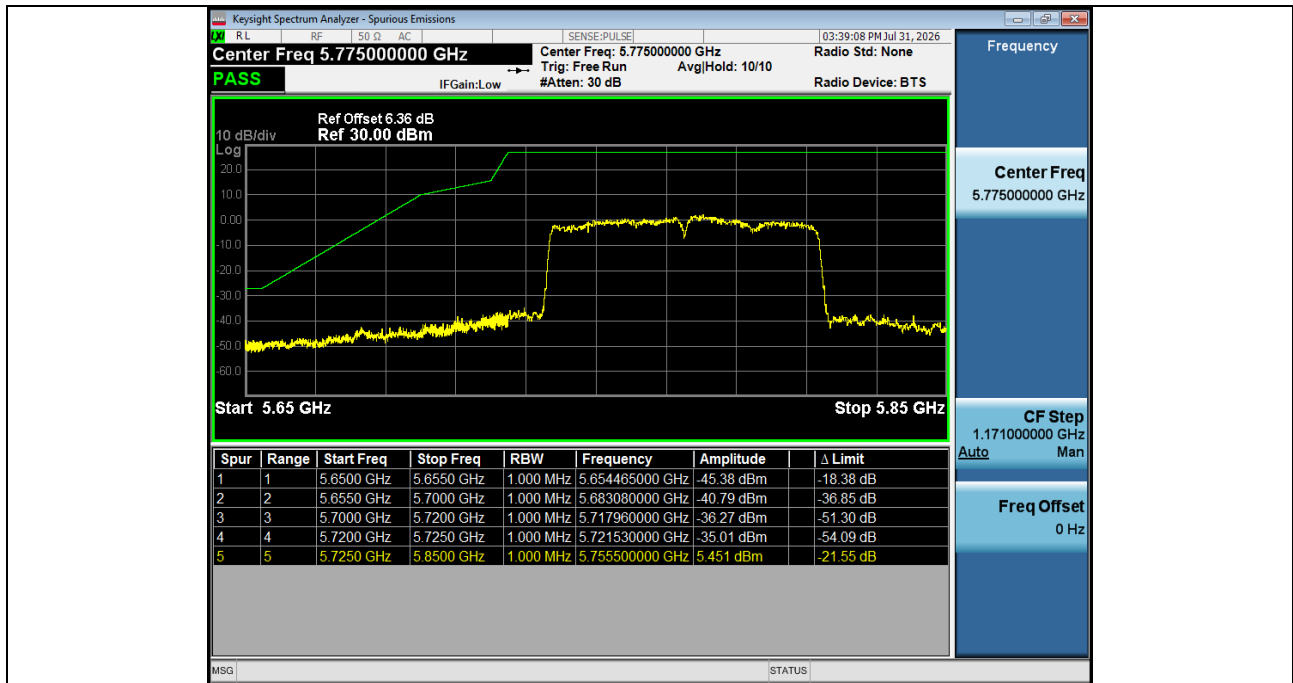
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Bandedge_NVNT_ANT1_802_11ac(VHT40)_5755



Bandedge_NVNT_ANT1_802_11ac(VHT80)_5775_low

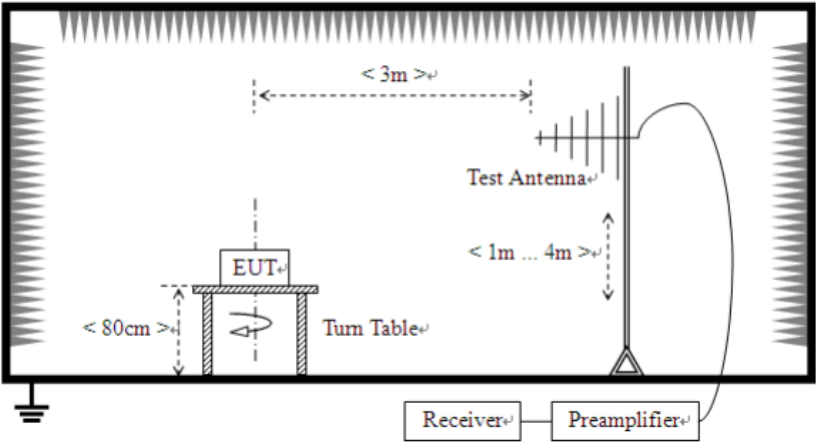


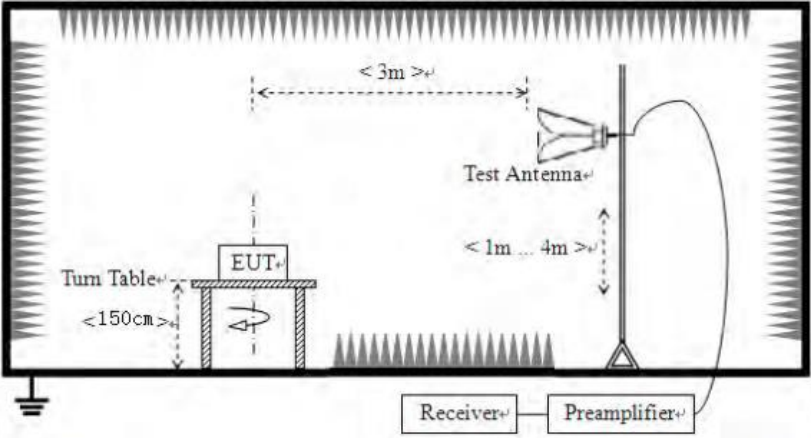
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4.7 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.209 and 15.205, RSS-Gen §8.9				
Test Method:	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024				
Test Frequency Range:	30MHz to 40GHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		AV	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		74.0		Peak Value
			54.0		Average Value
Test Procedure:	Substitution method was performed to determine the actual ERP emission levels of the EUT. The following test procedure as below: 1>.Below 1GHz test procedure: 1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 2>.Above 1GHz test procedure: 1. On the test site as test setup graph above,the EUT shall be placed at the 1.5m support on the turntable and in the position closest to normal use as declared by the provider. 2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter.The output of the test antenna shall be connected to the measuring receiver. 3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the				

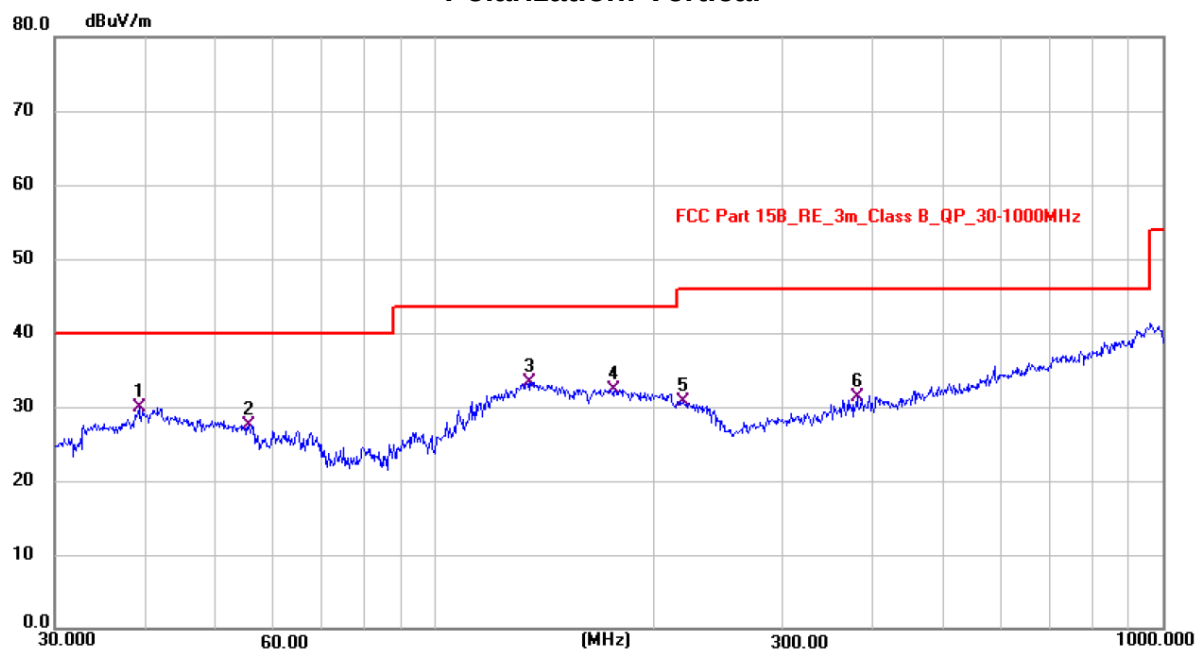
	transmitter under test. - The test antenna shall be raised and lowered from 1m to 4m until a maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver. - Repeat step 4 for test frequency with the test antenna polarized horizontally. - Remove the transmitter and replace it with a substitution antenna - Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output. - Repeat step 7 with both antennas horizontally polarized for each test frequency. - Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula: $\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ where: Pg is the generator output power into the substitution antenna.
Test setup:	Below 1GHz  Above 1GHz

	
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

Measurement Data:

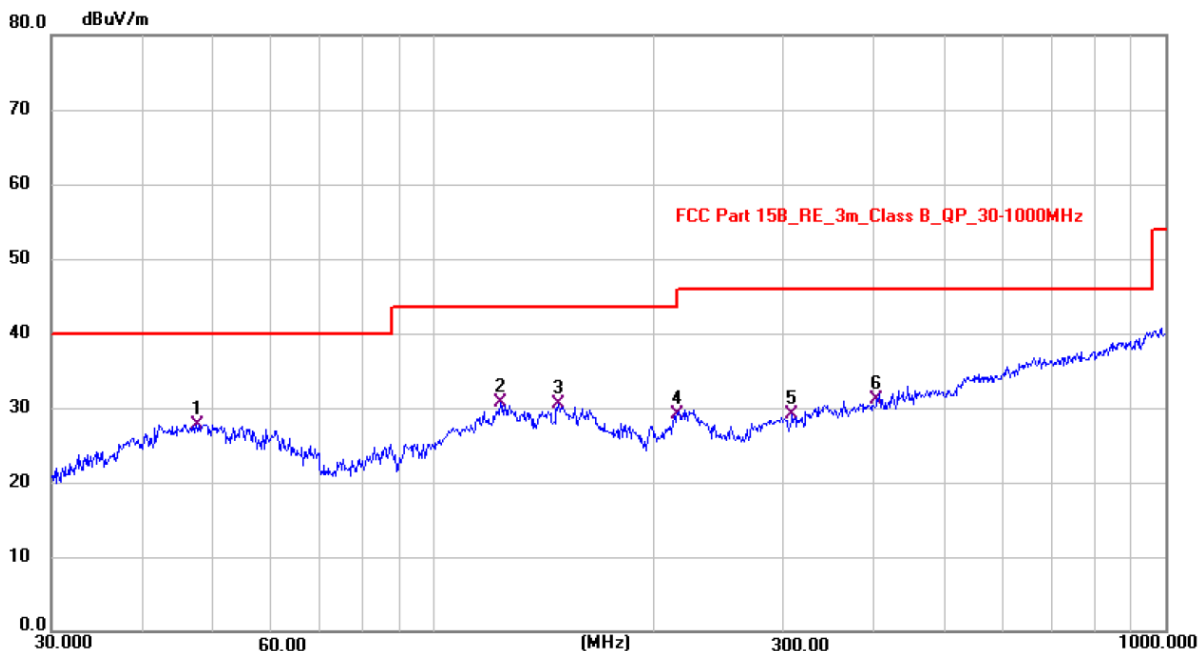
Below 1GHz

Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	39.2301	15.76	14.17	29.93	40.00	-10.07	QP
2	55.5850	14.13	13.46	27.59	40.00	-12.41	QP
3	135.0318	19.21	14.14	33.35	43.50	-10.15	QP
4	176.8874	19.02	13.33	32.35	43.50	-11.15	QP
5	219.5560	18.32	12.29	30.61	46.00	-15.39	QP
6	381.0815	14.02	17.19	31.21	46.00	-14.79	QP

Note: Level = Reading + Factor Margin = Level - Limit

Polarization: Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	47.6584	13.95	13.82	27.77	40.00	-12.23	QP
2	123.6440	17.26	13.40	30.66	43.50	-12.84	QP
3	148.4410	15.46	15.10	30.56	43.50	-12.94	QP
4	215.6451	16.95	12.13	29.08	43.50	-14.42	QP
5	309.4546	13.78	15.38	29.16	46.00	-16.84	QP
6	403.7805	13.40	17.69	31.09	46.00	-14.91	QP

Note: Level = Reading + Factor Margin = Level - Limit

Above 1GHz:**U-NII-1:**

Test Mode: IEEE 802.11a							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna	Detector
		(dB/m)				Pol.	
10360.00	65.44	-11.79	53.65	68.20	-14.55	V	Peak
15540.00	60.77	-7.28	53.49	68.20	-14.71	V	Peak
10360.00	65.32	-11.79	53.53	68.20	-14.67	H	Peak
15540.00	59.04	-7.28	51.76	68.20	-16.44	H	Peak
10360.00	46.82	-11.79	35.03	54.00	-18.97	V	AVG
15540.00	43.80	-7.28	36.52	54.00	-17.48	V	AVG
10360.00	47.80	-11.79	36.01	54.00	-17.99	H	AVG
15540.00	41.87	-7.28	34.59	54.00	-19.41	H	AVG
Test channel: Middle CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna	Detector
		(dB/m)				Pol.	
10400.00	66.39	-11.74	54.65	68.20	-13.55	V	Peak
15600.00	60.84	-7.18	53.66	68.20	-14.54	V	Peak
10400.00	65.04	-11.74	53.30	68.20	-14.90	H	Peak
15600.00	60.61	-7.18	53.43	68.20	-14.77	H	Peak
10400.00	46.58	-11.74	34.84	54.00	-19.16	V	AVG
15600.00	42.90	-7.18	35.72	54.00	-18.28	V	AVG
10400.00	47.15	-11.74	35.41	54.00	-18.59	H	AVG
15600.00	41.32	-7.18	34.14	54.00	-19.86	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna	Detector
		(dB/m)				Pol.	
10480.00	65.45	-11.63	53.82	68.20	-14.38	V	Peak
15720.00	60.22	-6.97	53.25	68.20	-14.95	V	Peak
10480.00	65.64	-11.63	54.01	68.20	-14.19	H	Peak
15720.00	60.39	-6.97	53.42	68.20	-14.78	H	Peak
10480.00	46.26	-11.63	34.63	54.00	-19.37	V	AVG
15720.00	42.10	-6.97	35.13	54.00	-18.87	V	AVG
10480.00	47.61	-11.63	35.98	54.00	-18.02	H	AVG
15720.00	41.60	-6.97	34.63	54.00	-19.37	H	AVG

Test Mode: IEEE 802.11ac 20M							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
10360.00	66.72	-11.79	54.93	68.20	-13.27	V	Peak
15540.00	61.27	-7.28	53.99	68.20	-14.21	V	Peak
10360.00	65.48	-11.79	53.69	68.20	-14.51	H	Peak
15540.00	59.76	-7.28	52.48	68.20	-15.72	H	Peak
10360.00	46.36	-11.79	34.57	54.00	-19.43	V	AVG
15540.00	43.67	-7.28	36.39	54.00	-17.61	V	AVG
10360.00	47.74	-11.79	35.95	54.00	-18.05	H	AVG
15540.00	41.19	-7.28	33.91	54.00	-20.09	H	AVG
Test channel: Middle CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
10400.00	65.55	-11.74	53.81	68.20	-14.39	V	Peak
15600.00	60.82	-7.18	53.64	68.20	-14.56	V	Peak
10400.00	65.13	-11.74	53.39	68.20	-14.81	H	Peak
15600.00	59.92	-7.18	52.74	68.20	-15.46	H	Peak
10400.00	46.49	-11.74	34.75	54.00	-19.25	V	AVG
15600.00	43.78	-7.18	36.60	54.00	-17.40	V	AVG
10400.00	47.52	-11.74	35.78	54.00	-18.22	H	AVG
15600.00	41.00	-7.18	33.82	54.00	-20.18	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
10480.00	65.58	-11.63	53.95	68.20	-14.25	V	Peak
15720.00	61.71	-6.97	54.74	68.20	-13.46	V	Peak
10480.00	64.59	-11.63	52.96	68.20	-15.24	H	Peak
15720.00	60.42	-6.97	53.45	68.20	-14.75	H	Peak
10480.00	48.00	-11.63	36.37	54.00	-17.63	V	AVG
15720.00	42.69	-6.97	35.72	54.00	-18.28	V	AVG
10480.00	47.66	-11.63	36.03	54.00	-17.97	H	AVG
15720.00	41.56	-6.97	34.59	54.00	-19.41	H	AVG

Test Mode: IEEE 802.11n(HT20) 20M							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
10360.00	65.18	-11.79	53.39	68.20	-14.81	V	Peak
15540.00	61.44	-7.28	54.16	68.20	-14.04	V	Peak
10360.00	64.81	-11.79	53.02	68.20	-15.18	H	Peak
15540.00	59.10	-7.28	51.82	68.20	-16.38	H	Peak
10360.00	47.51	-11.79	35.72	54.00	-18.28	V	AVG
15540.00	43.18	-7.28	35.90	54.00	-18.10	V	AVG
10360.00	47.81	-11.79	36.02	54.00	-17.98	H	AVG
15540.00	42.61	-7.28	35.33	54.00	-18.67	H	AVG
Test channel: Middle CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
10400.00	65.93	-11.74	54.19	68.20	-14.01	V	Peak
15600.00	61.58	-7.18	54.40	68.20	-13.80	V	Peak
10400.00	65.18	-11.74	53.44	68.20	-14.76	H	Peak
15600.00	59.79	-7.18	52.61	68.20	-15.59	H	Peak
10400.00	47.99	-11.74	36.25	54.00	-17.75	V	AVG
15600.00	42.09	-7.18	34.91	54.00	-19.09	V	AVG
10400.00	47.71	-11.74	35.97	54.00	-18.03	H	AVG
15600.00	41.37	-7.18	34.19	54.00	-19.81	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
10480.00	65.08	-11.63	53.45	68.20	-14.75	V	Peak
15720.00	60.70	-6.97	53.73	68.20	-14.47	V	Peak
10480.00	65.58	-11.63	53.95	68.20	-14.25	H	Peak
15720.00	60.28	-6.97	53.31	68.20	-14.89	H	Peak
10480.00	46.87	-11.63	35.24	54.00	-18.76	V	AVG
15720.00	43.84	-6.97	36.87	54.00	-17.13	V	AVG
10480.00	46.85	-11.63	35.22	54.00	-18.78	H	AVG
15720.00	41.33	-6.97	34.36	54.00	-19.64	H	AVG

Test Mode: IEEE 802.11ac 40M							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
10380.00	66.38	-11.77	54.61	68.20	-13.59	V	Peak
15570.00	61.40	-7.24	54.16	68.20	-14.04	V	Peak
10380.00	64.60	-11.77	52.83	68.20	-15.37	H	Peak
15570.00	59.71	-7.24	52.47	68.20	-15.73	H	Peak
10380.00	46.91	-11.77	35.14	54.00	-18.86	V	AVG
15570.00	43.70	-7.24	36.46	54.00	-17.54	V	AVG
10380.00	47.01	-11.77	35.24	54.00	-18.76	H	AVG
15570.00	41.38	-7.24	34.14	54.00	-19.86	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
10460.00	66.82	-11.65	55.17	68.20	-13.03	V	Peak
15690.00	61.26	-7.03	54.23	68.20	-13.97	V	Peak
10460.00	65.62	-11.65	53.97	68.20	-14.23	H	Peak
15690.00	60.53	-7.03	53.50	68.20	-14.70	H	Peak
10460.00	46.46	-11.65	34.81	54.00	-19.19	V	AVG
15690.00	42.74	-7.03	35.71	54.00	-18.29	V	AVG
10460.00	46.31	-11.65	34.66	54.00	-19.34	H	AVG
15690.00	42.11	-7.03	35.08	54.00	-18.92	H	AVG

Test Mode: IEEE 802.11n(HT40) 40M							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
10380.00	65.10	-11.77	53.33	68.20	-14.87	V	Peak
15570.00	60.56	-7.24	53.32	68.20	-14.88	V	Peak
10380.00	65.30	-11.77	53.53	68.20	-14.67	H	Peak
15570.00	59.65	-7.24	52.41	68.20	-15.79	H	Peak
10380.00	46.53	-11.77	34.76	54.00	-19.24	V	AVG
15570.00	43.65	-7.24	36.41	54.00	-17.59	V	AVG
10380.00	46.86	-11.77	35.09	54.00	-18.91	H	AVG
15570.00	42.15	-7.24	34.91	54.00	-19.09	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
10460.00	65.10	-11.65	53.45	68.20	-14.75	V	Peak
15690.00	60.81	-7.03	53.78	68.20	-14.42	V	Peak
10460.00	64.13	-11.65	52.48	68.20	-15.72	H	Peak
15690.00	59.15	-7.03	52.12	68.20	-16.08	H	Peak
10460.00	47.22	-11.65	35.57	54.00	-18.43	V	AVG
15690.00	42.83	-7.03	35.80	54.00	-18.20	V	AVG
10460.00	47.43	-11.65	35.78	54.00	-18.22	H	AVG
15690.00	42.58	-7.03	35.55	54.00	-18.45	H	AVG

Test Mode: IEEE 802.11ac 80M							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
11060.00	66.96	-10.85	56.11	68.20	-12.09	V	Peak
16590.00	60.56	-5.67	54.89	68.20	-13.31	V	Peak
11060.00	65.79	-10.85	54.94	68.20	-13.26	H	Peak
16590.00	59.10	-5.67	53.43	68.20	-14.77	H	Peak
11060.00	47.91	-10.85	37.06	54.00	-16.94	V	AVG
16590.00	43.37	-5.67	37.70	54.00	-16.30	V	AVG
11060.00	47.25	-10.85	36.40	54.00	-17.60	H	AVG
11060.00	41.10	-5.67	35.43	54.00	-18.57	H	AVG

Test Mode: IEEE 802.11n(HT80) 80M							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
11060.00	66.80	-10.85	55.95	68.20	-12.25	V	Peak
16590.00	60.96	-5.67	55.29	68.20	-12.91	V	Peak
11060.00	65.04	-10.85	54.19	68.20	-14.01	H	Peak
16590.00	59.06	-5.67	53.39	68.20	-14.81	H	Peak
11060.00	46.79	-10.85	35.94	54.00	-18.06	V	AVG
16590.00	43.32	-5.67	37.65	54.00	-16.35	V	AVG
11060.00	47.87	-10.85	37.02	54.00	-16.98	H	AVG
11060.00	41.84	-5.67	36.17	54.00	-17.83	H	AVG

U-NII-2A:

Test Mode: IEEE 802.11ac 20M							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna	Detector
		(dB/m)				Pol.	
10520.00	65.03	-11.57	53.46	68.20	-14.74	V	Peak
15780.00	61.65	-6.88	54.77	68.20	-13.43	V	Peak
10520.00	64.45	-11.57	52.88	68.20	-15.32	H	Peak
15780.00	60.60	-6.88	53.72	68.20	-14.48	H	Peak
10520.00	46.60	-11.57	35.03	54.00	-18.97	V	AVG
15780.00	42.19	-6.88	35.31	54.00	-18.69	V	AVG
10520.00	47.71	-11.57	36.14	54.00	-17.86	H	AVG
15780.00	41.67	-6.88	34.79	54.00	-19.21	H	AVG
Test channel: Middle CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna	Detector
		(dB/m)				Pol.	
10600.00	65.77	-11.46	54.31	68.20	-13.89	V	Peak
15900.00	60.92	-6.67	54.25	68.20	-13.95	V	Peak
10600.00	65.82	-11.46	54.36	68.20	-13.84	H	Peak
15900.00	59.99	-6.67	53.32	68.20	-14.88	H	Peak
10600.00	47.19	-11.46	35.73	54.00	-18.27	V	AVG
15900.00	42.12	-6.67	35.45	54.00	-18.55	V	AVG
10600.00	46.71	-11.46	35.25	54.00	-18.75	H	AVG
15900.00	41.12	-6.67	34.45	54.00	-19.55	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna	Detector
		(dB/m)				Pol.	
10640.00	66.42	-11.41	55.01	68.20	-13.19	V	Peak
15960.00	62.00	-6.57	55.43	68.20	-12.77	V	Peak
10640.00	65.64	-11.41	54.23	68.20	-13.97	H	Peak
15960.00	60.10	-6.57	53.53	68.20	-14.67	H	Peak
10640.00	46.06	-11.41	34.65	54.00	-19.35	V	AVG
15960.00	42.55	-6.57	35.98	54.00	-18.02	V	AVG
10640.00	46.29	-11.41	34.88	54.00	-19.12	H	AVG
15960.00	41.33	-6.57	34.76	54.00	-19.24	H	AVG

U-NII-2C:

Test Mode: IEEE 802.11ac 40M							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna	Detector
		(dB/m)				Pol.	
11020.00	66.30	-10.88	55.42	68.20	-12.78	V	Peak
16530.00	61.94	-5.75	56.19	68.20	-12.01	V	Peak
11020.00	64.56	-10.88	53.68	68.20	-14.52	H	Peak
16530.00	59.09	-5.75	53.34	68.20	-14.86	H	Peak
11020.00	47.97	-10.88	37.09	54.00	-16.91	V	AVG
16530.00	42.28	-5.75	36.53	54.00	-17.47	V	AVG
11020.00	46.92	-10.88	36.04	54.00	-17.96	H	AVG
16530.00	41.08	-5.75	35.33	54.00	-18.67	H	AVG
Test channel: Middle CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna	Detector
		(dB/m)				Pol.	
11180.00	66.15	-10.78	55.37	68.20	-12.83	V	Peak
16770.00	61.90	-5.42	56.48	68.20	-11.72	V	Peak
11180.00	65.28	-10.78	54.50	68.20	-13.70	H	Peak
16770.00	59.17	-5.42	53.75	68.20	-14.45	H	Peak
11180.00	46.03	-10.78	35.25	54.00	-18.75	V	AVG
16770.00	43.89	-5.42	38.47	54.00	-15.53	V	AVG
11180.00	46.18	-10.78	35.40	54.00	-18.60	H	AVG
16770.00	41.89	-5.42	36.47	54.00	-17.53	H	AVG
Test channel: High CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit (dBuV/m)	Over limit (dB)	Antenna	Detector
		(dB/m)				Pol.	
11340.00	66.14	-10.67	55.47	68.20	-12.73	V	Peak
17010.00	60.11	-5.11	55.00	68.20	-13.20	V	Peak
11340.00	64.60	-10.67	53.93	68.20	-14.27	H	Peak
17010.00	60.17	-5.11	55.06	68.20	-13.14	H	Peak
11340.00	47.35	-10.67	36.68	54.00	-17.32	V	AVG
17010.00	43.05	-5.11	37.94	54.00	-16.06	V	AVG
11340.00	46.63	-10.67	35.96	54.00	-18.04	H	AVG
17010.00	41.66	-5.11	36.55	54.00	-17.45	H	AVG

U-NII-3:

Test Mode: IEEE 802.11ac 80M							
Test channel: Low CH							
Frequency (MHz)	Reading (dBuV)	Factor	Result (dBuV/m)	Limit	Over limit	Antenna	Detector
		(dB/m)		(dBuV/m)	(dB)	Pol.	
11060.00	65.40	-10.85	54.55	68.20	-13.65	V	Peak
16590.00	61.31	-5.67	55.64	68.20	-12.56	V	Peak
11060.00	64.28	-10.85	53.43	68.20	-14.77	H	Peak
16590.00	60.06	-5.67	54.39	68.20	-13.81	H	Peak
11060.00	46.58	-10.85	35.73	54.00	-18.27	V	AVG
16590.00	42.25	-5.67	36.58	54.00	-17.42	V	AVG
11060.00	47.71	-10.85	36.86	54.00	-17.14	H	AVG
16590.00	42.98	-5.67	37.31	54.00	-16.69	H	AVG

Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. This Report only show the test plots of the worst case.

4.8 Frequency stability

Test Standard	15.407(f), RSS-Gen §6.11
Test limit	Manufacturers 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.
Test results:	Pass

Measurement Data:

Mode	Voltage (V)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
Band 1 (5150-5250 MHz)	DC 6.48V	5179.993	7	5239.991	9
	DC 7.2V	5179.997	3	5239.992	8
	DC 7.92V	5179.993	7	5239.998	2
Mode	Voltage (V)	FHL (5260MHz)	Deviation (KHz)	FHH (5320MHz)	Deviation (KHz)
Band 2 (5250-5350 MHz)	DC 6.48V	5259.992	8	5319.998	2
	DC 7.2V	5259.998	2	5319.992	8
	DC 7.92V	5259.997	3	5319.995	5
Mode	Voltage (V)	FHL (5500MHz)	Deviation (KHz)	FHH (5700MHz)	Deviation (KHz)
Band 3 (5470-5725 MHz)	DC 6.48V	5499.998	2	5699.995	5
	DC 7.2V	5499.994	6	5699.994	6
	DC 7.92V	5499.994	6	5699.999	1
Mode	Voltage (V)	FHL (5745MHz)	Deviation (KHz)	FHH (5825MHz)	Deviation (KHz)
Band 4 (5725-5850 MHz)	DC 6.48V	5744.994	6	5824.996	4
	DC 7.2V	5744.993	7	5824.999	1
	DC 7.92V	5744.996	4	5824.996	4

Mode	Temperature (°C)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
Band 1 (5150-5250 MHz)	-10°C	5179.992	8	5239.995	5
	0°C	5179.995	5	5239.997	3
	+10°C	5179.994	6	5239.993	7
	+20°C	5179.992	8	5239.995	5
	+30°C	5179.995	5	5239.997	3
	+40°C	5179.995	5	5239.992	8
	+50°C	5179.992	8	5239.996	4
Mode	Temperature (°C)	FHL (5260MHz)	Deviation (KHz)	FHH (5320MHz)	Deviation (KHz)
Band 2 (5250-5350 MHz)	-10°C	5259.994	6	5319.999	1
	0°C	5259.997	3	5319.995	5
	+10°C	5259.995	5	5319.994	6
	+20°C	5259.993	7	5319.996	4
	+30°C	5259.997	3	5319.991	9
	+40°C	5259.991	9	5319.997	3
	+50°C	5259.998	2	5319.997	3
	-10°C	5259.994	6	5319.999	1
Mode	Temperature (°C)	FHL (5500MHz)	Deviation (KHz)	FHH (5700MHz)	Deviation (KHz)
Band 3 (5470-5725 MHz)	-10°C	5499.994	6	5699.994	6
	0°C	5499.998	2	5699.995	5
	+10°C	5499.994	6	5699.996	4
	+20°C	5499.998	2	5699.993	7
	+30°C	5499.997	3	5699.996	4
	+40°C	5499.997	3	5699.992	8
	+50°C	5499.994	6	5699.998	2
	-10°C	5499.994	6	5699.994	6
Mode	Temperature (°C)	FHL (5745MHz)	Deviation (KHz)	FHH (5825MHz)	Deviation (KHz)
Band 4 (5725-5850 MHz)	-10°C	5744.991	9	5824.996	4
	0°C	5744.999	1	5824.992	8
	+10°C	5744.994	6	5824.995	5
	+20°C	5744.998	2	5824.997	3
	+30°C	5744.994	6	5824.994	6
	+40°C	5744.992	8	5824.999	1
	+50°C	5744.991	9	5824.997	3

5 Photos Of Test Setup

Reference to the test report **appendix I Test Setup Photo** for details.

6 Photos Of EUT

Reference to the test report **appendix II external photos** and **appendix III internal photos** for details.

-----END OF REPORT-----

