

1. Effective (Isotropic) Radiated Power Output Data

1.1 Band II_EIRP(ANT31)

1.1.1 Test Result

Band II								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	23.60	-0.9	22.7	<=33.01	Pass
			1880	23.89	-0.9	22.99	<=33.01	Pass
			1907.6	23.61	-0.9	22.71	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Band II

2.1.1 Test Result

Band II							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1852.4	20	3.7	-7.381	-0.0040	/	Pass
			3.91	-6.979	-0.0038	/	Pass
			4.4	-5.010	-0.0027	/	Pass
		-30	3.91	-4.017	-0.0022	/	Pass
		-20	3.91	-3.621	-0.0020	/	Pass
		-10	3.91	-4.730	-0.0026	/	Pass
		0	3.91	-2.794	-0.0015	/	Pass
		10	3.91	-1.767	-0.0010	/	Pass
		30	3.91	-1.455	-0.0008	/	Pass
		40	3.91	-0.696	-0.0004	/	Pass
	50	3.91	-1.495	-0.0008	/	Pass	
	1880	20	3.7	-1.323	-0.0007	/	Pass
			3.91	-1.158	-0.0006	/	Pass
			4.4	-1.540	-0.0008	/	Pass
		-30	3.91	-3.460	-0.0018	/	Pass
		-20	3.91	-2.356	-0.0013	/	Pass
		-10	3.91	-1.139	-0.0006	/	Pass
		0	3.91	-3.208	-0.0017	/	Pass
		10	3.91	-0.520	-0.0003	/	Pass
		30	3.91	-0.680	-0.0004	/	Pass
		40	3.91	1.142	0.0006	/	Pass
	50	3.91	0.031	0.0000	/	Pass	
	1907.6	20	3.7	-1.323	-0.0007	/	Pass
			3.91	-0.614	-0.0003	/	Pass
			4.4	-0.616	-0.0003	/	Pass
		-30	3.91	-0.044	0.0000	/	Pass
		-20	3.91	-0.356	-0.0002	/	Pass
		-10	3.91	0.150	0.0001	/	Pass
		0	3.91	-0.271	-0.0001	/	Pass
		10	3.91	-0.500	-0.0003	/	Pass
30		3.91	-0.703	-0.0004	/	Pass	
40		3.91	0.347	0.0002	/	Pass	

		50	3.91	-0.305	-0.0002	/	Pass
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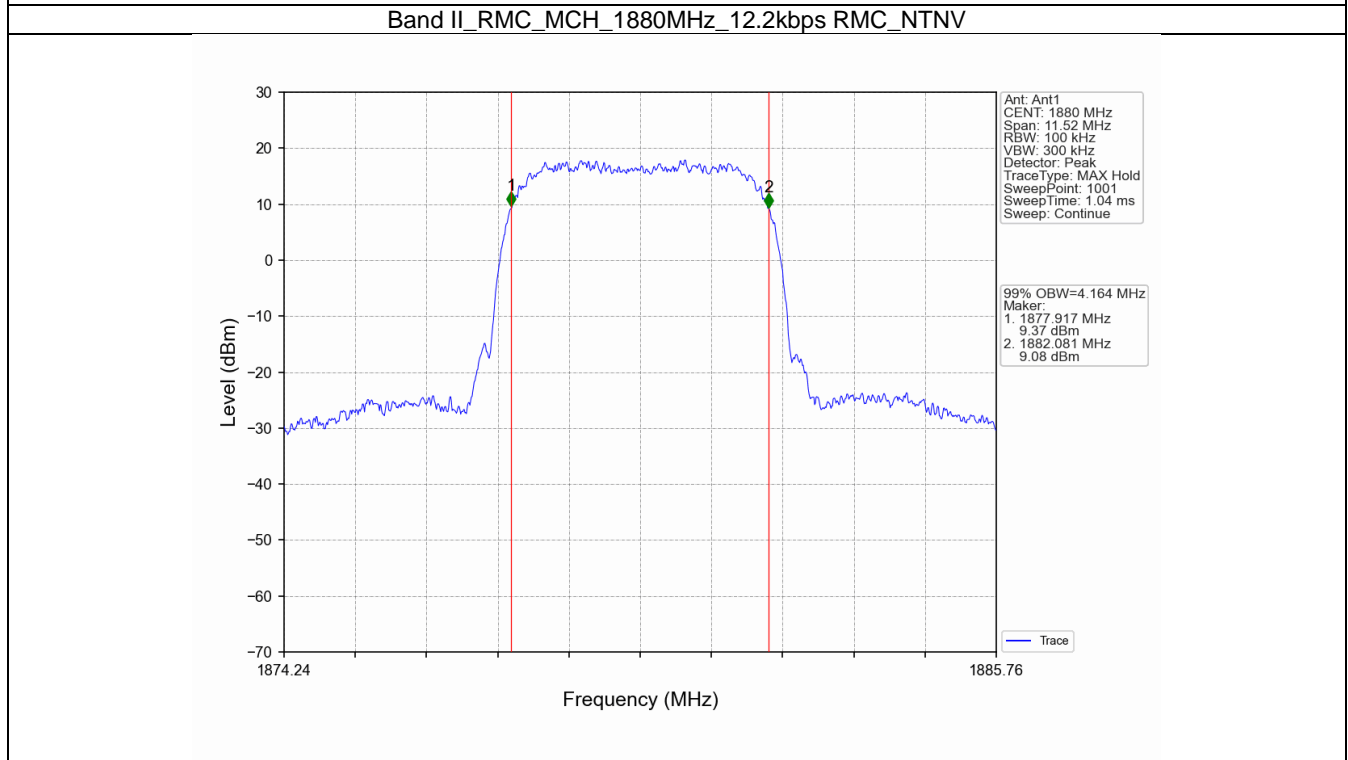
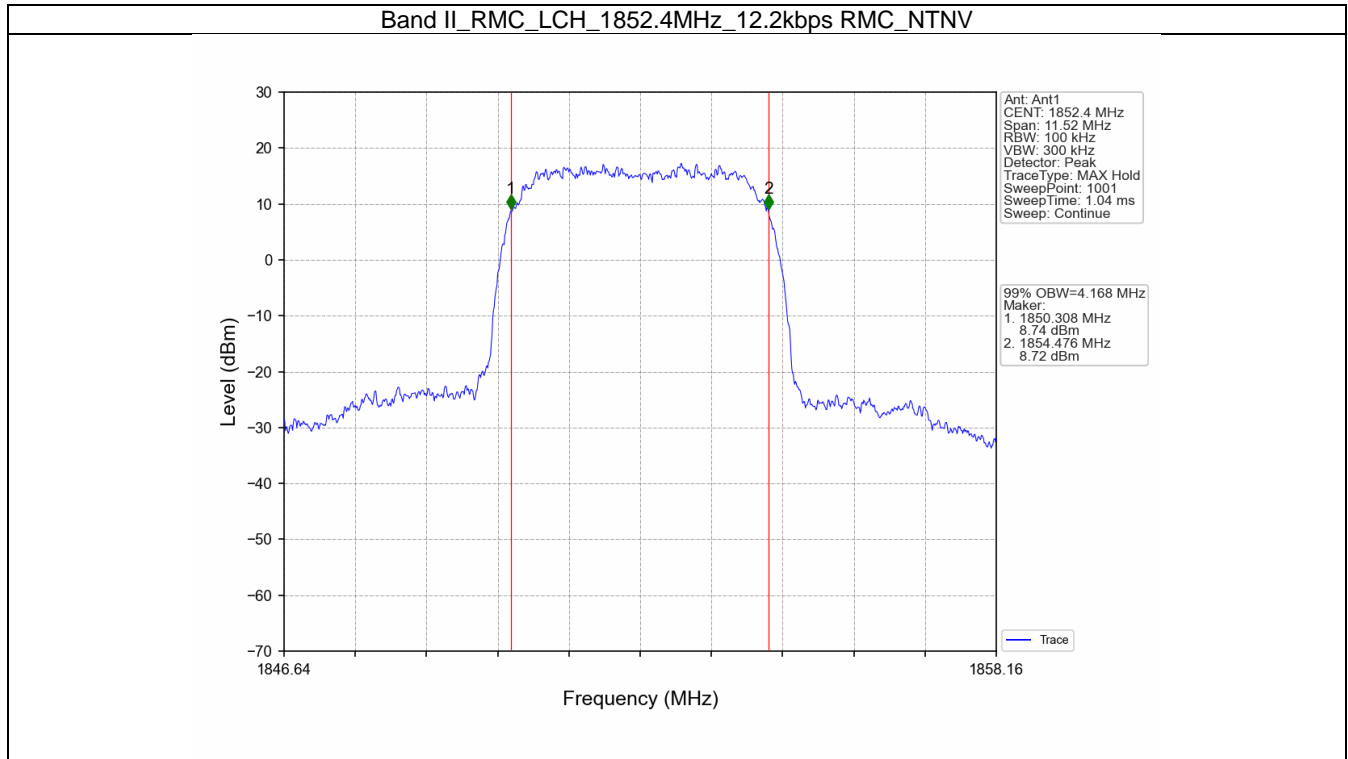
3. 99% & 26dB Bandwidth

3.1 Band II_OBW

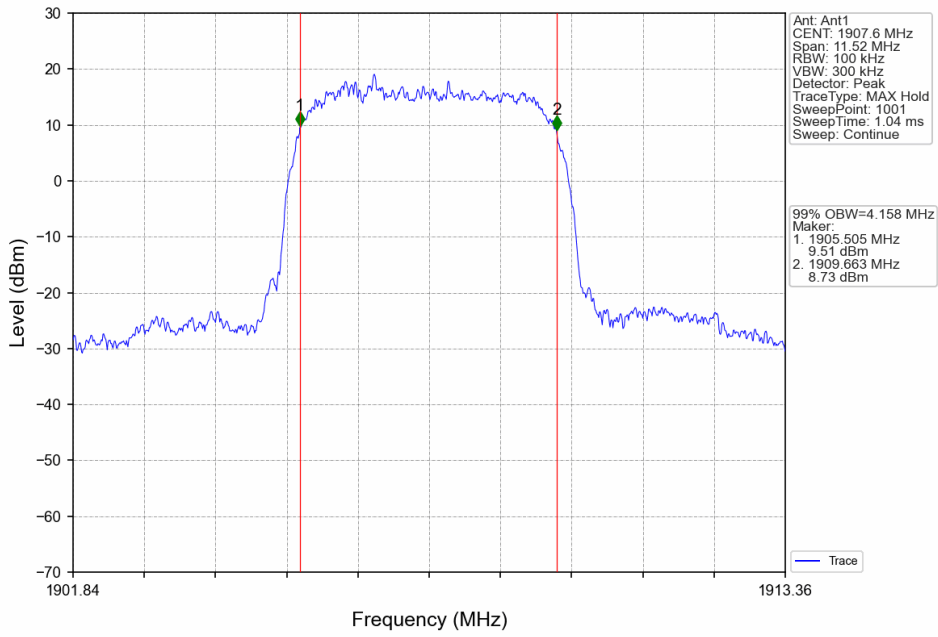
3.1.1 Test Result

Band II						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.168	/	Pass
			1880	4.164	/	Pass
			1907.6	4.158	/	Pass

3.1.2 Test Graph



Band II_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV

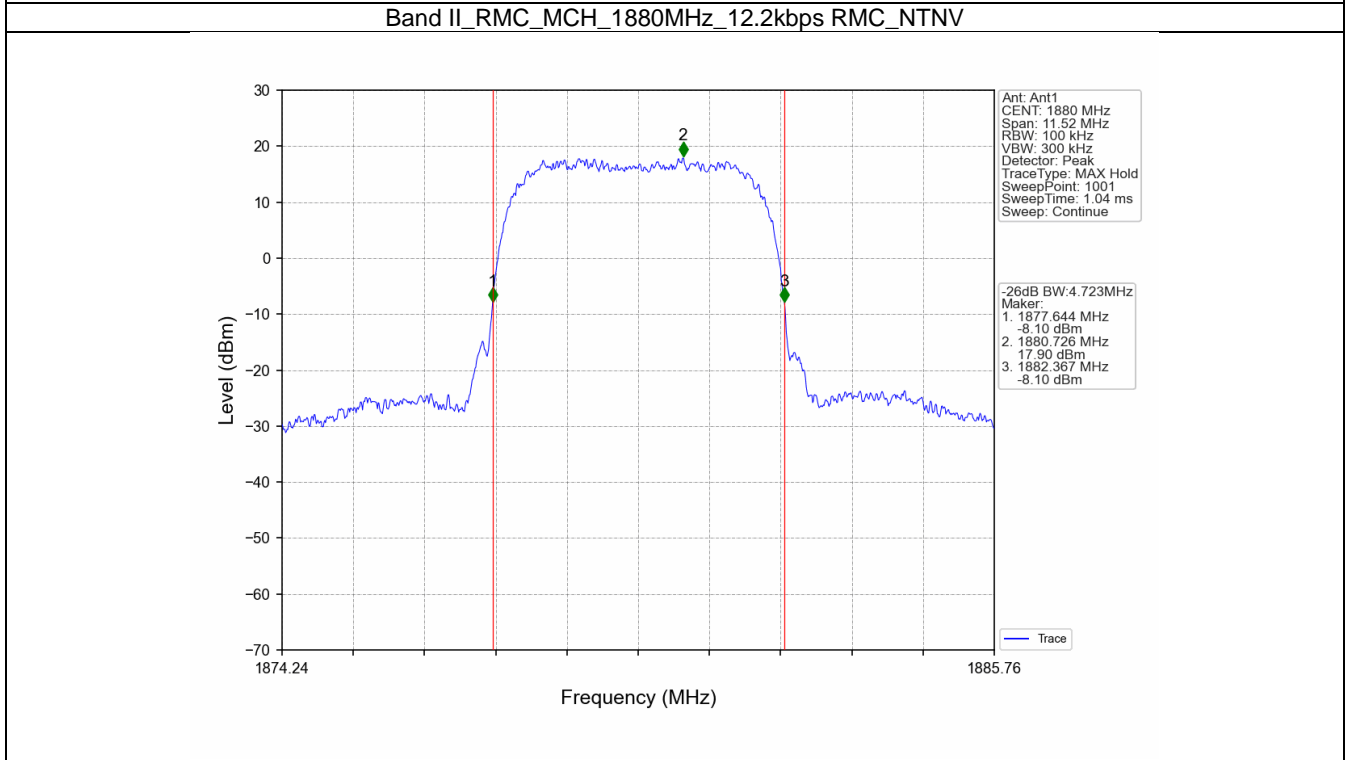
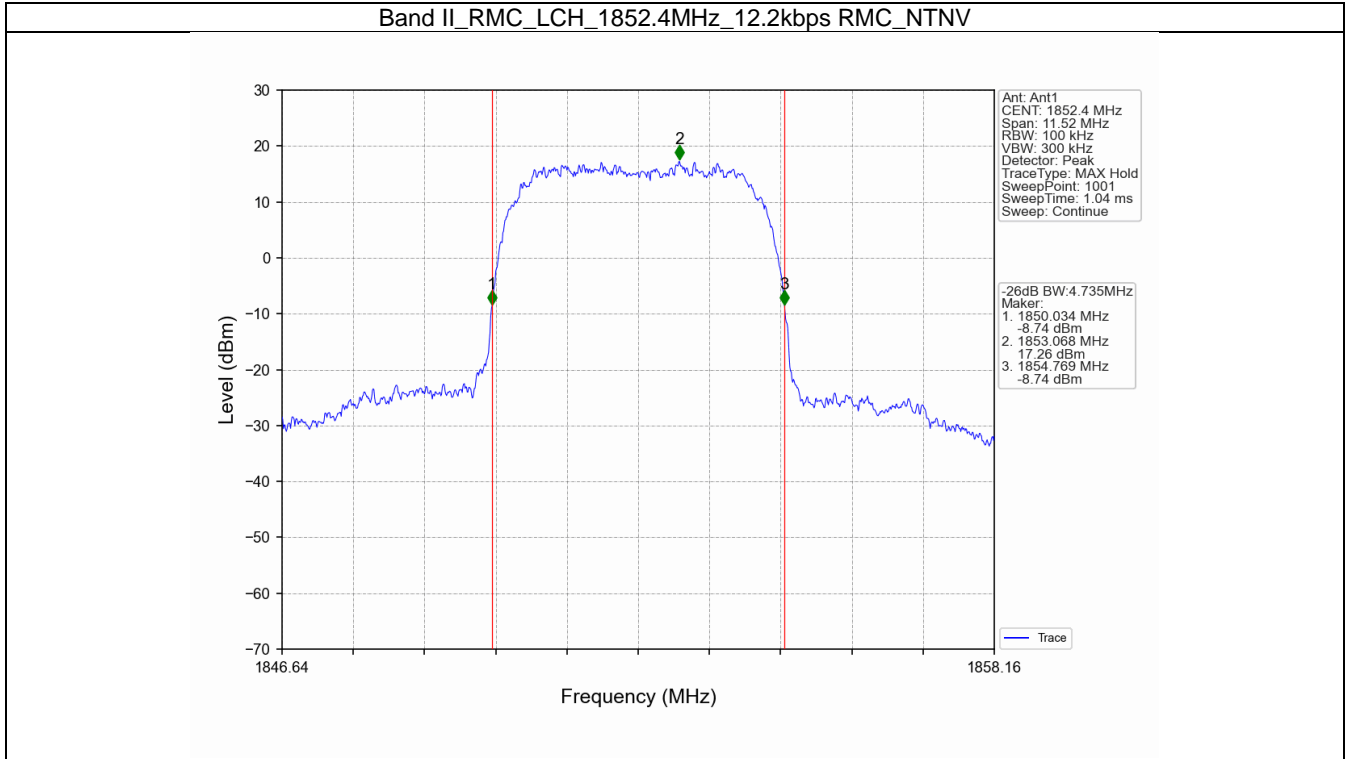


3.2 Band II_XDB

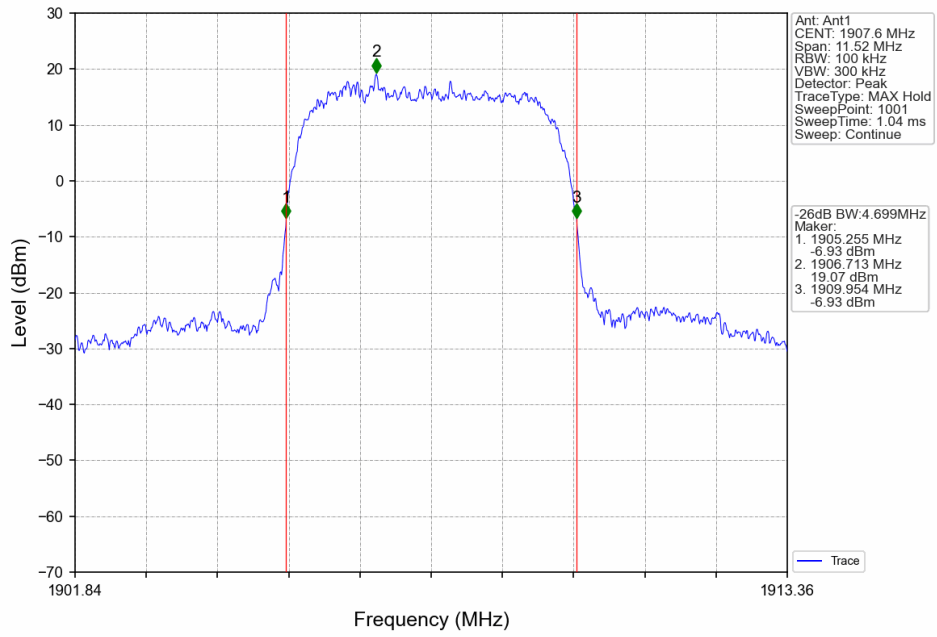
3.2.1 Test Result

Band II						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.735	/	Pass
			1880	4.723	/	Pass
			1907.6	4.699	/	Pass

3.2.2 Test Graph



Band II_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



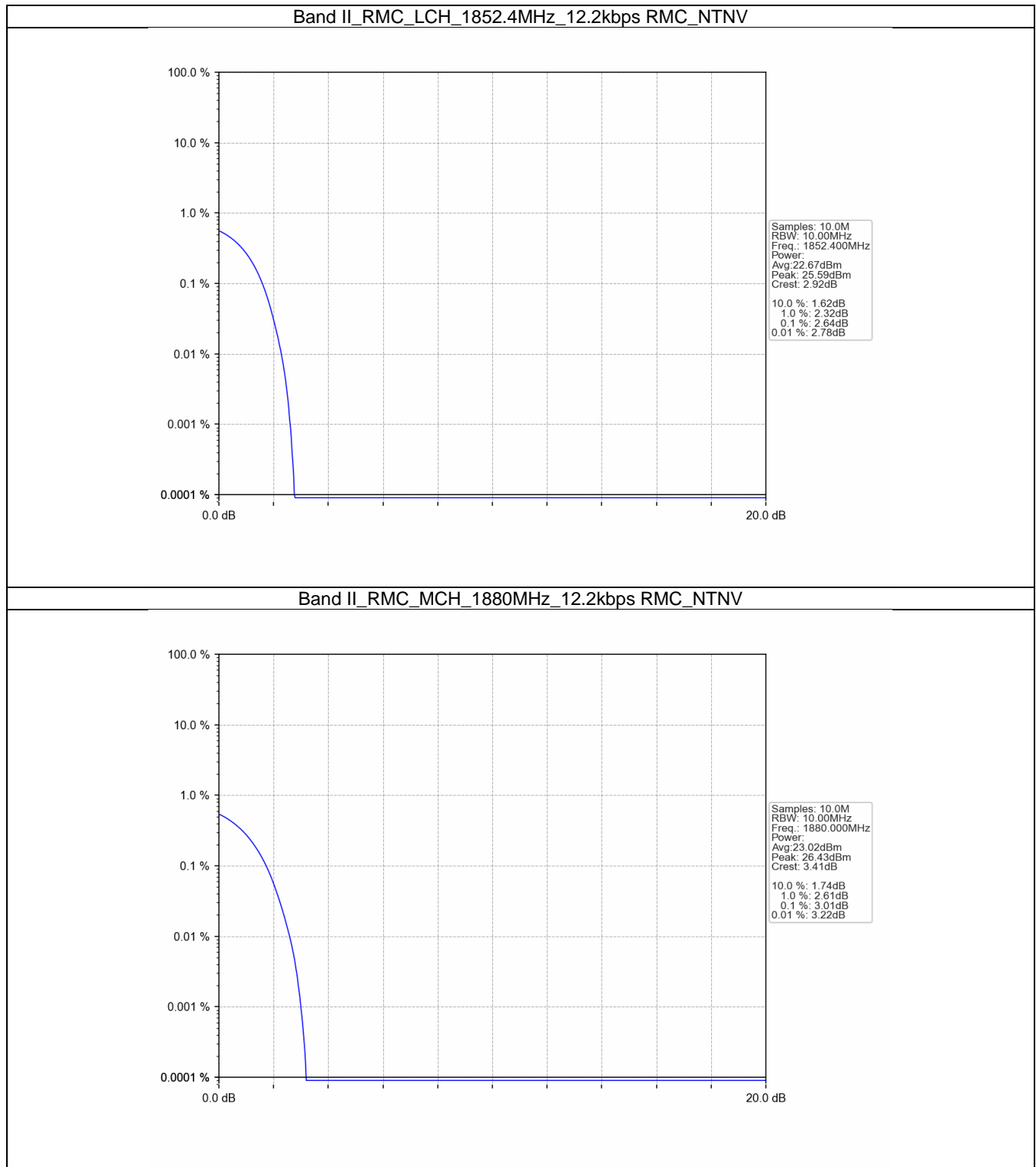
4. Peak-Average Ratio

4.1 Band II

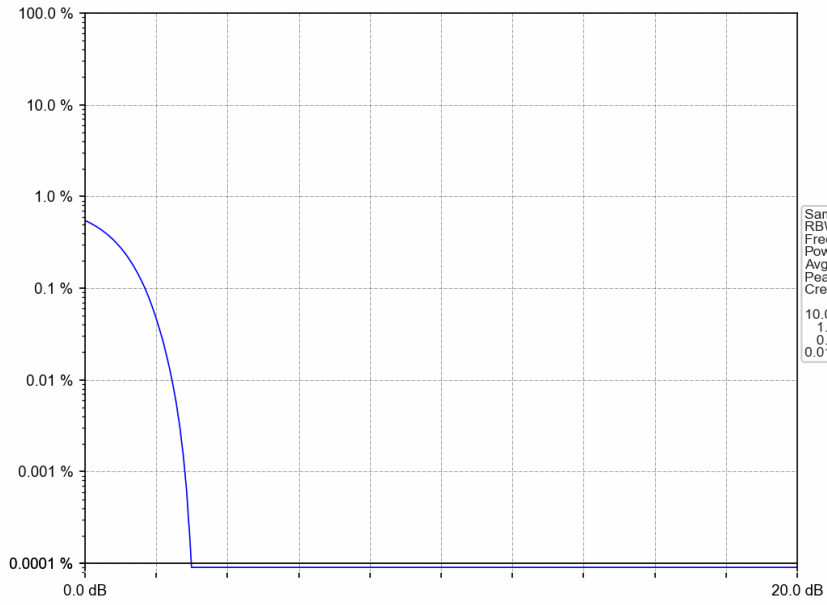
4.1.1 Test Result

Band II						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	2.64	<=13	Pass
			1880	3.01	<=13	Pass
			1907.6	2.84	<=13	Pass

4.1.2 Test Graph



Band II_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



Samples: 10.0M
RBW: 10.00MHz
Freq.: 1907.600MHz
Power:
Avg: 22.77dBm
Peak: 25.94dBm
Crest: 3.17dB
10.0 %: 1.71dB
1.0 %: 2.46dB
0.1 %: 2.84dB
0.01 %: 3.01dB

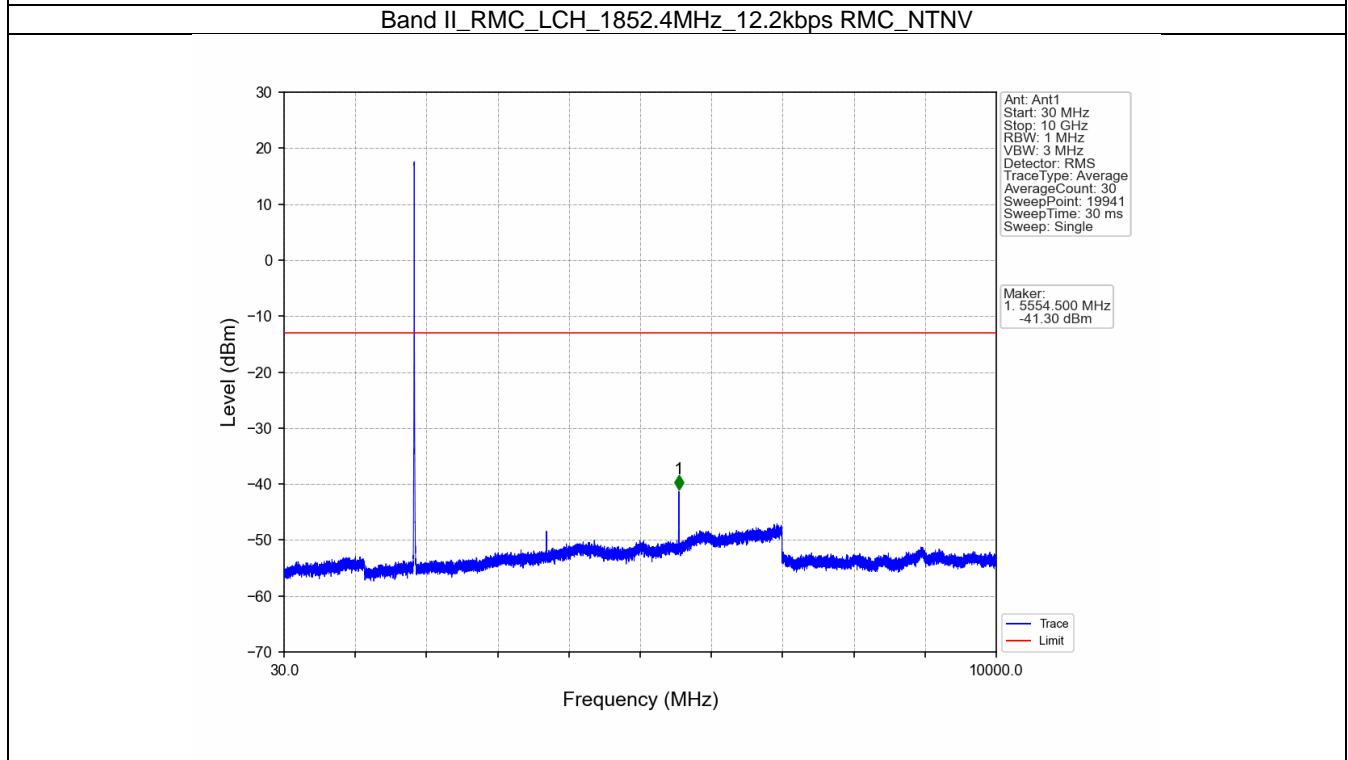
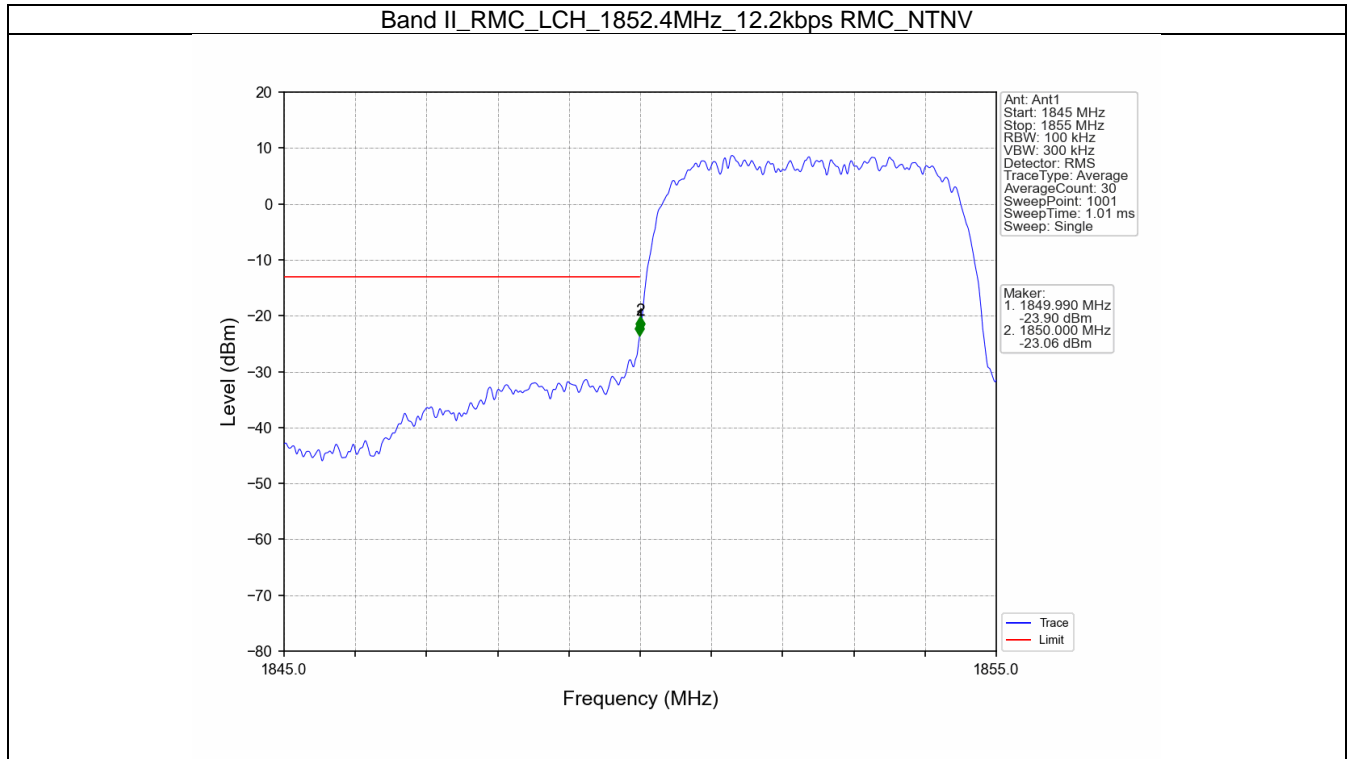
5. Spurious Emission & Band Edges

5.1 Band II

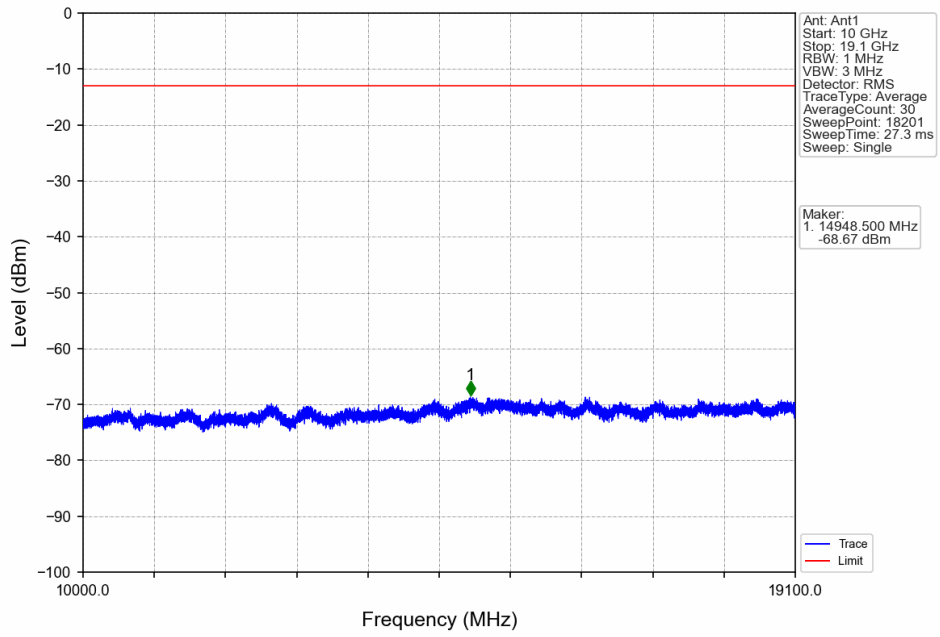
5.1.1 Test Result

Band II						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass

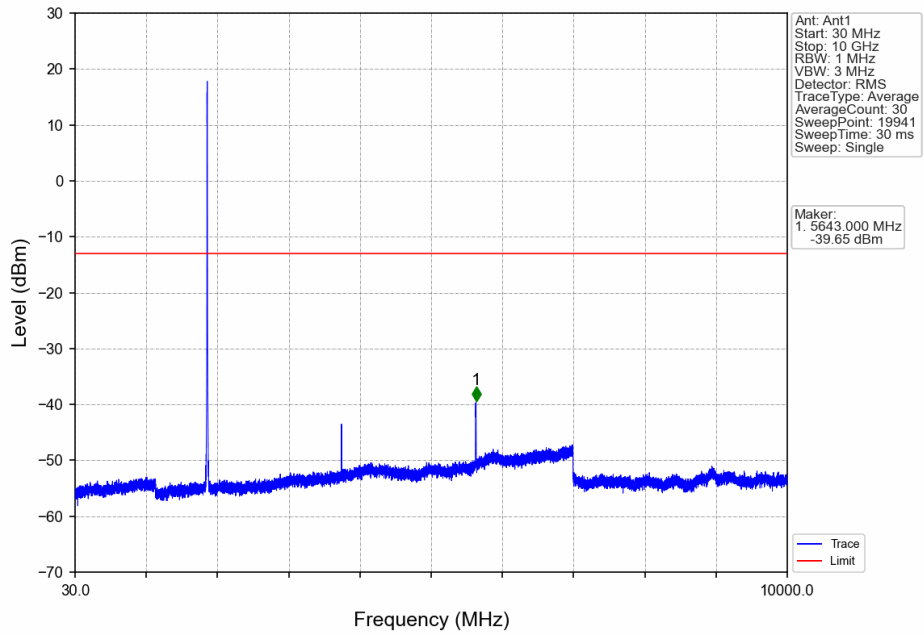
5.1.2 Test Graph



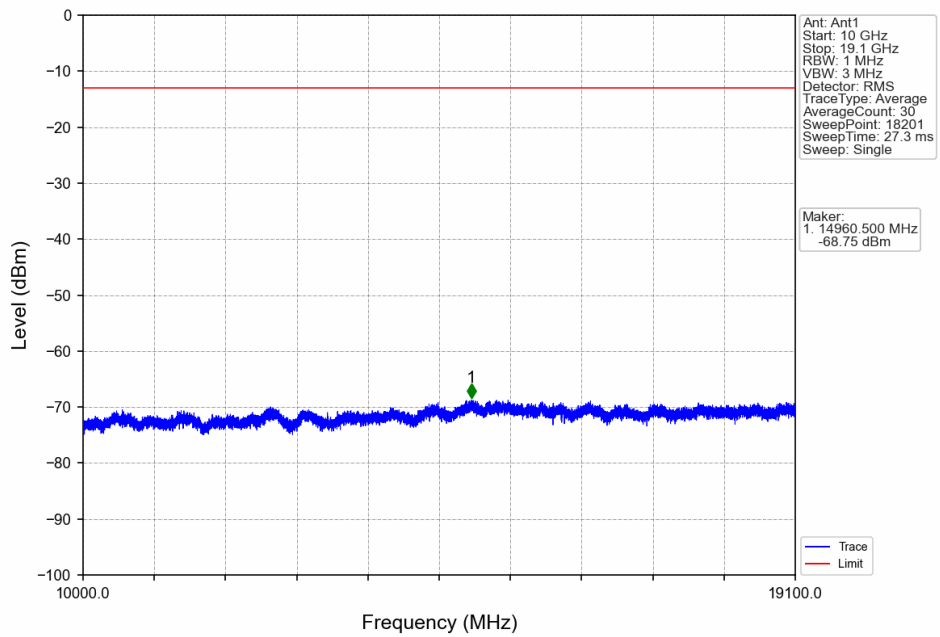
Band II_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



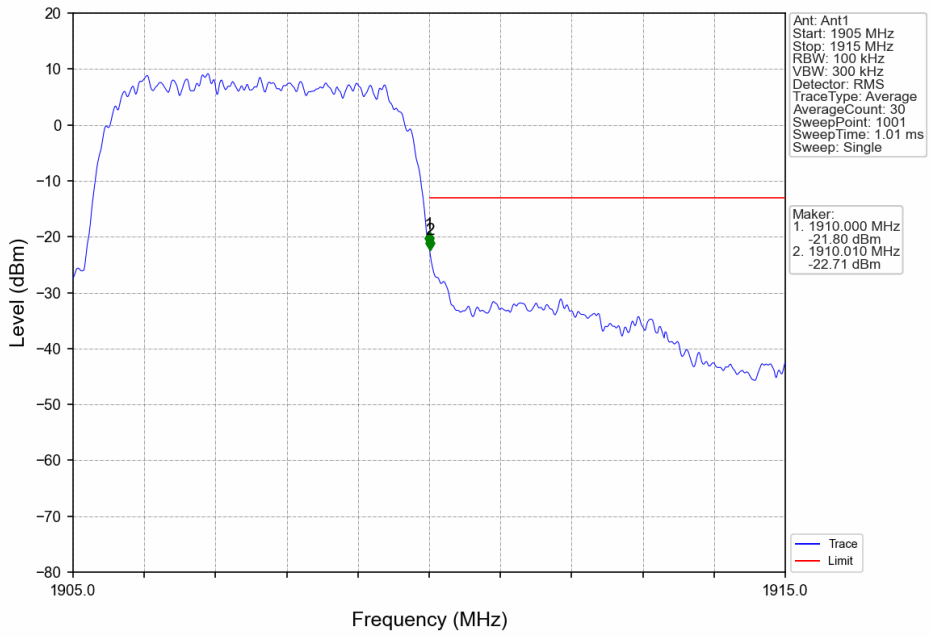
Band II_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



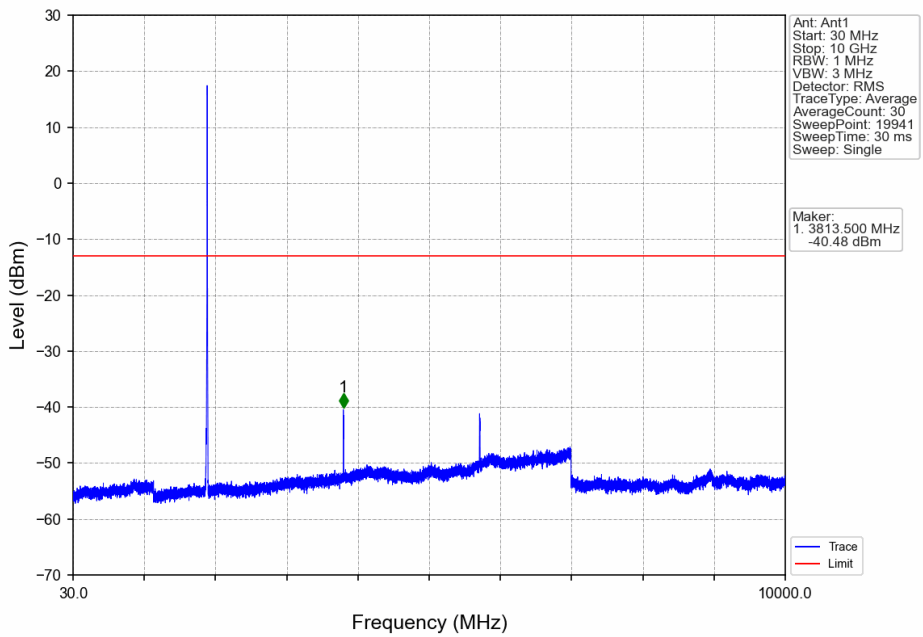
Band II_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



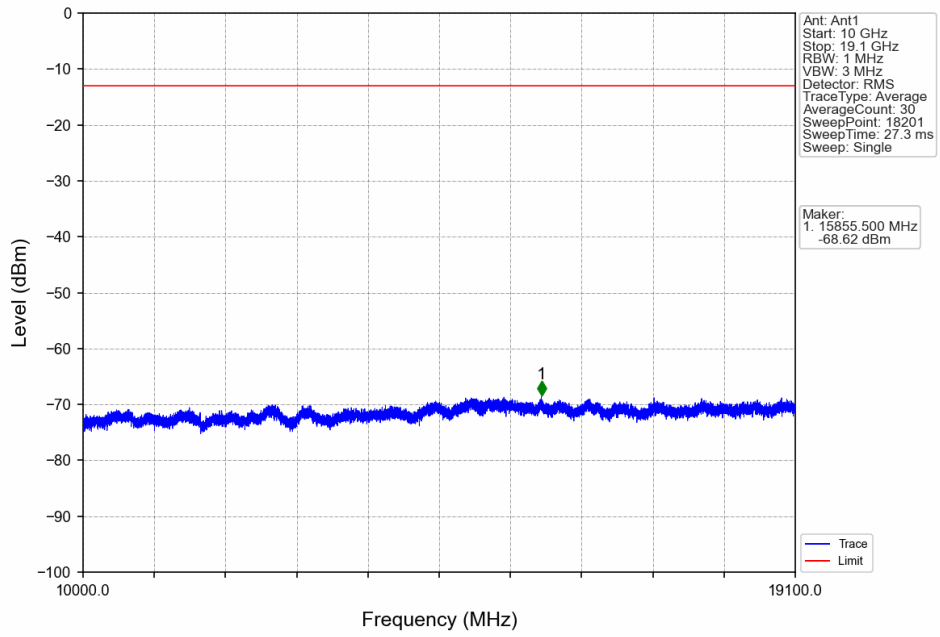
Band II_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



Band II_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



Band II_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



6. Field Strength of Spurious Radiation

WCDMA Band II ANT13-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3704.8	-56.62	-13	-43.62	-61.48	3.58	8.44	Horizontal	Pass
5557.2	-62.3	-13	-49.3	-68.01	4.74	10.45	Horizontal	Pass
7409.6	-60.6	-13	-47.6	-67.29	4.94	11.63	Horizontal	Pass
3704.8	-48.78	-13	-35.78	-53.64	3.58	8.44	Vertical	Pass
5557.2	-62.21	-13	-49.21	-67.92	4.74	10.45	Vertical	Pass
7409.6	-60.35	-13	-47.35	-67.04	4.94	11.63	Vertical	Pass

WCDMA Band II ANT13-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3760.0	-52.15	-13	-39.15	-57.04	3.63	8.52	Horizontal	Pass
5640.0	-62.34	-13	-49.34	-68.04	4.75	10.45	Horizontal	Pass
7520.0	-60.67	-13	-47.67	-67.49	4.94	11.76	Horizontal	Pass
3760.0	-44.01	-13	-31.01	-48.9	3.63	8.52	Vertical	Pass
5640.0	-62.59	-13	-49.59	-68.29	4.75	10.45	Vertical	Pass
7520.0	-60.42	-13	-47.42	-67.24	4.94	11.76	Vertical	Pass

WCDMA Band II ANT13-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3815.2	-48.6	-13	-35.6	-53.51	3.68	8.59	Horizontal	Pass
5722.8	-62.5	-13	-49.5	-68.19	4.76	10.45	Horizontal	Pass
7630.4	-60.27	-13	-47.27	-67.21	4.95	11.89	Horizontal	Pass
3815.2	-41.85	-13	-28.85	-46.76	3.68	8.59	Vertical	Pass
5722.8	-62.45	-13	-49.45	-68.14	4.76	10.45	Vertical	Pass
7630.4	-60.21	-13	-47.21	-67.15	4.95	11.89	Vertical	Pass

1) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---