

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 BandII_EIRP

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	23.72	-1.98	21.74	<=33.01	Pass
			1880	23.52	-1.98	21.54	<=33.01	Pass
			1907.6	24.15	-1.98	22.17	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 BandII

Band: II							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1852.4	20	20.4	0.693	0.0004	-2.5 to 2.5	Pass
			24	1.219	0.0007	-2.5 to 2.5	Pass
			27.6	1.218	0.0007	-2.5 to 2.5	Pass
		-30	24	1.903	0.0010	-2.5 to 2.5	Pass
		-20	24	1.592	0.0009	-2.5 to 2.5	Pass
		-10	24	1.832	0.0010	-2.5 to 2.5	Pass
		0	24	1.802	0.0010	-2.5 to 2.5	Pass
		10	24	1.921	0.0010	-2.5 to 2.5	Pass
		30	24	1.746	0.0009	-2.5 to 2.5	Pass
		40	24	1.442	0.0008	-2.5 to 2.5	Pass
		50	24	2.292	0.0012	-2.5 to 2.5	Pass
	1880	20	20.4	-1.098	-0.0006	-2.5 to 2.5	Pass
			24	-0.597	-0.0003	-2.5 to 2.5	Pass
			27.6	-1.155	-0.0006	-2.5 to 2.5	Pass
		-30	24	-0.769	-0.0004	-2.5 to 2.5	Pass
		-20	24	-1.231	-0.0007	-2.5 to 2.5	Pass
		-10	24	-0.719	-0.0004	-2.5 to 2.5	Pass
		0	24	-0.737	-0.0004	-2.5 to 2.5	Pass
		10	24	-0.758	-0.0004	-2.5 to 2.5	Pass
		30	24	-1.111	-0.0006	-2.5 to 2.5	Pass
		40	24	-1.174	-0.0006	-2.5 to 2.5	Pass
		50	24	-0.714	-0.0004	-2.5 to 2.5	Pass
	1907.6	20	20.4	-4.627	-0.0024	-2.5 to 2.5	Pass
			24	-4.565	-0.0024	-2.5 to 2.5	Pass
			27.6	-5.020	-0.0026	-2.5 to 2.5	Pass
		-30	24	-4.610	-0.0024	-2.5 to 2.5	Pass
		-20	24	-4.573	-0.0024	-2.5 to 2.5	Pass
		-10	24	-4.299	-0.0023	-2.5 to 2.5	Pass
		0	24	-4.761	-0.0025	-2.5 to 2.5	Pass
		10	24	-4.701	-0.0025	-2.5 to 2.5	Pass
		30	24	-4.194	-0.0022	-2.5 to 2.5	Pass
		40	24	-4.931	-0.0026	-2.5 to 2.5	Pass
		50	24	-4.890	-0.0026	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 BandII_OBW

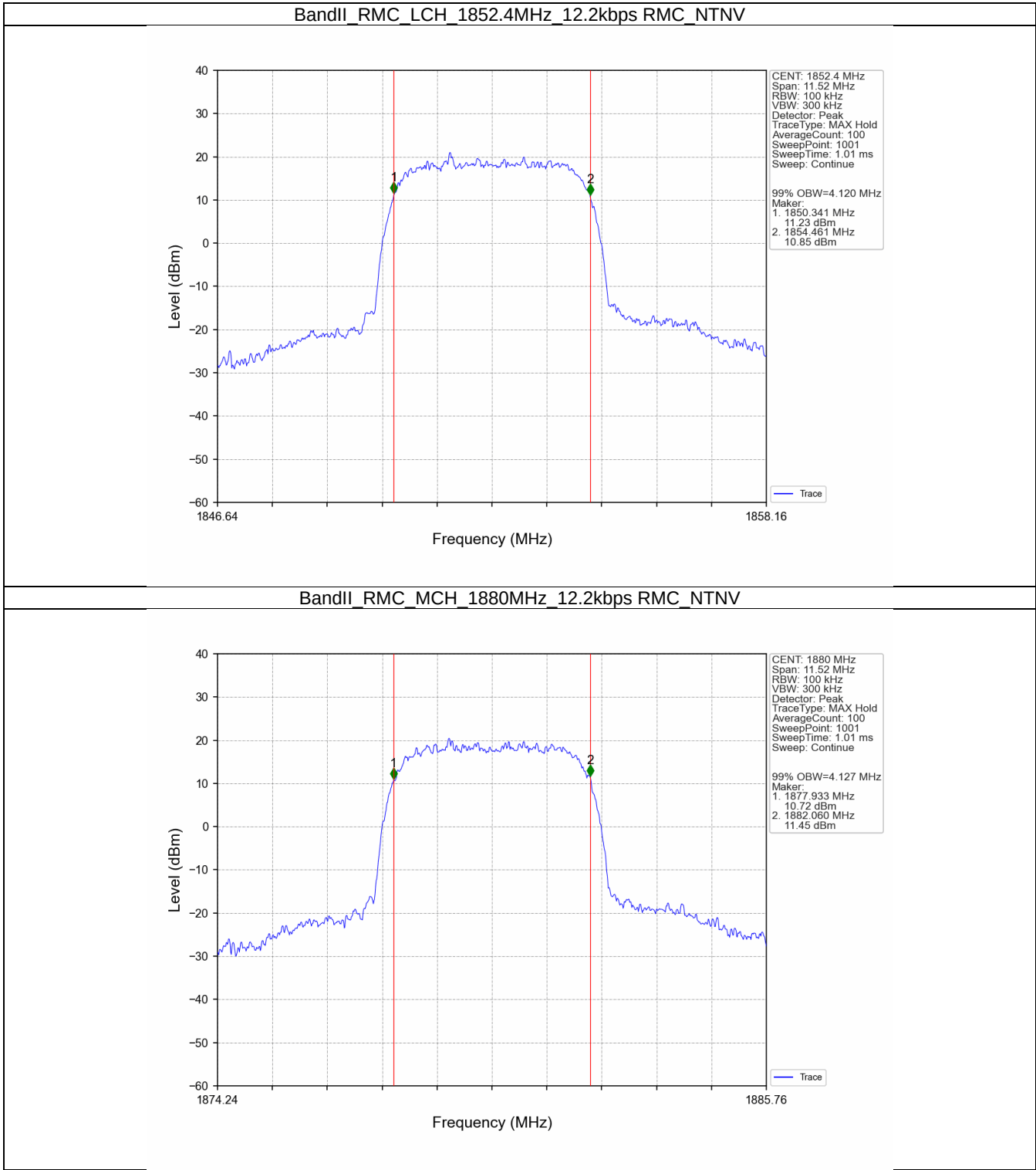
Band: II						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.120	/	Pass
			1880	4.127	/	Pass
			1907.6	4.139	/	Pass

3.1.2 BandII_XDB

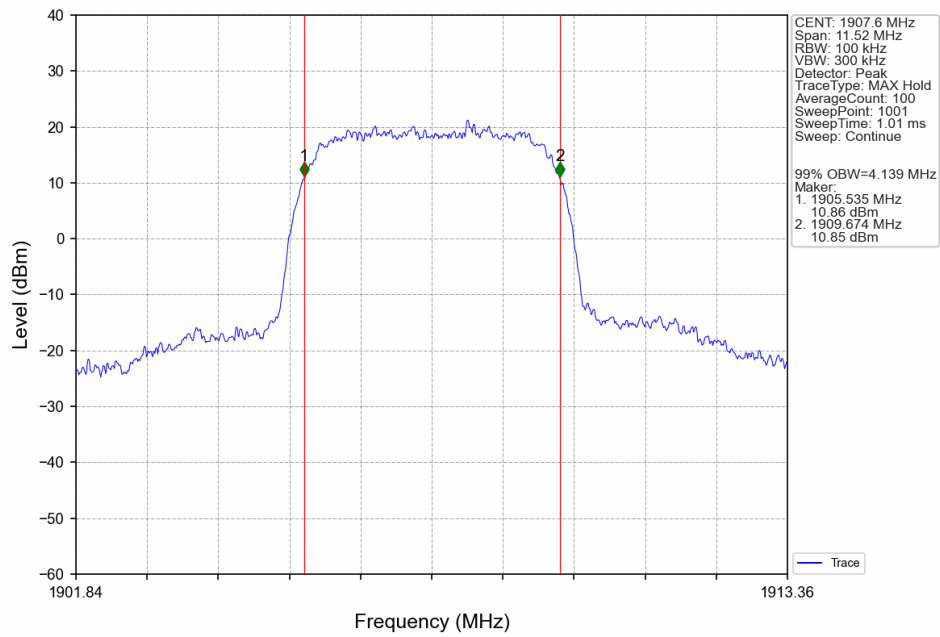
Band: II						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.721	/	Pass
			1880	4.728	/	Pass
			1907.6	4.719	/	Pass

3.2 Test Graph

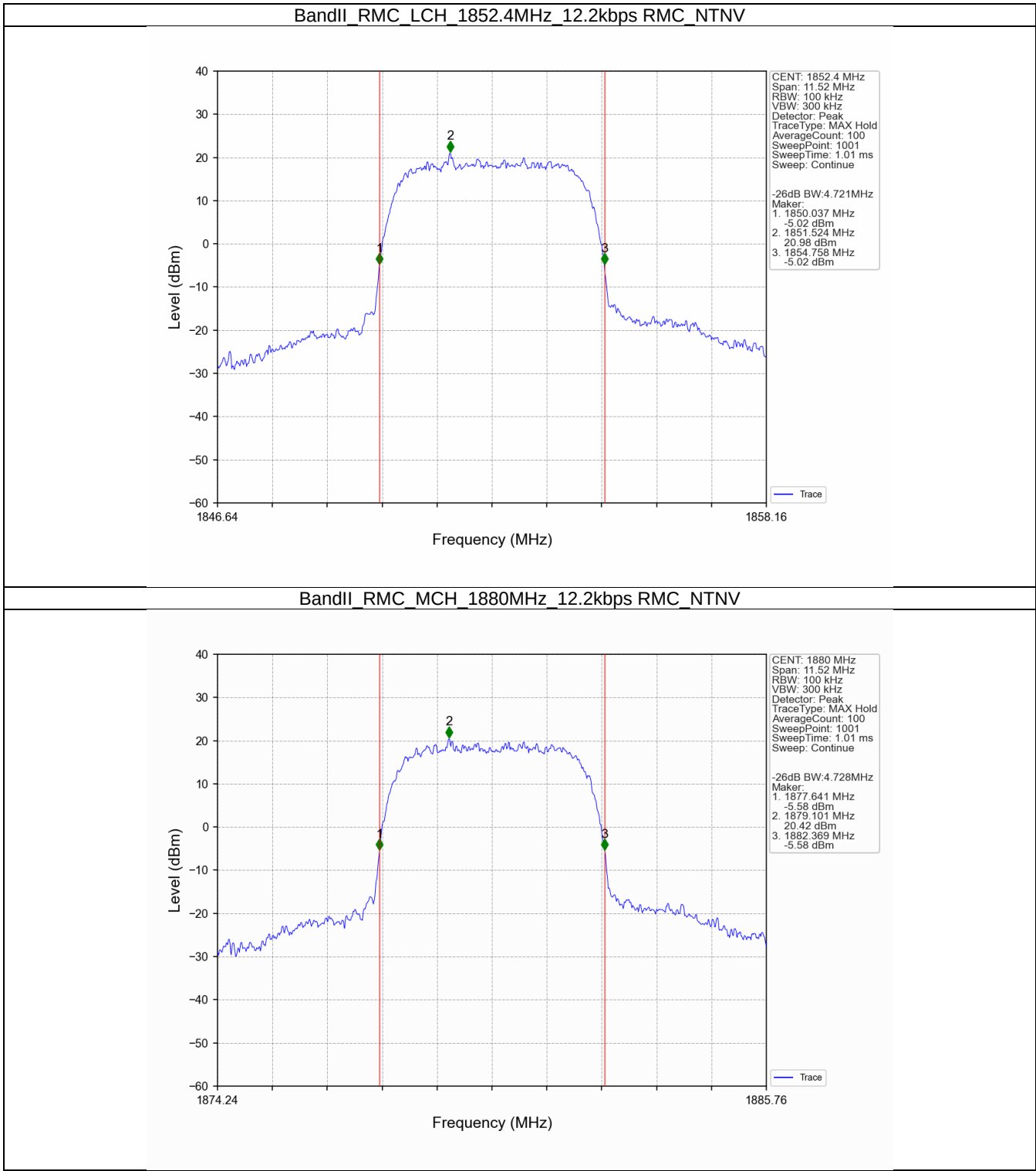
3.2.1 BandII_OBW



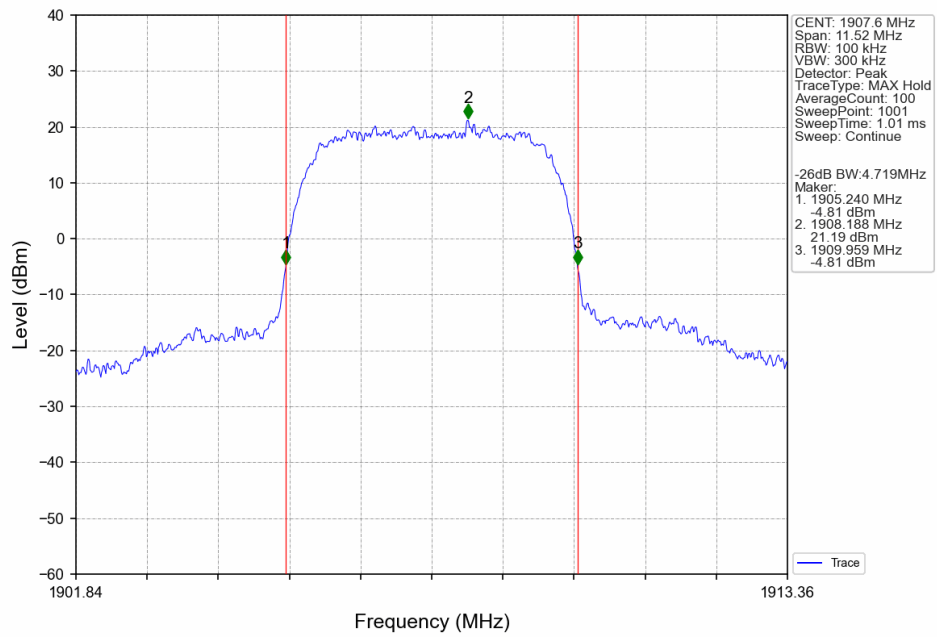
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



3.2.2 BandII_XDB



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



4. Peak-Average Ratio

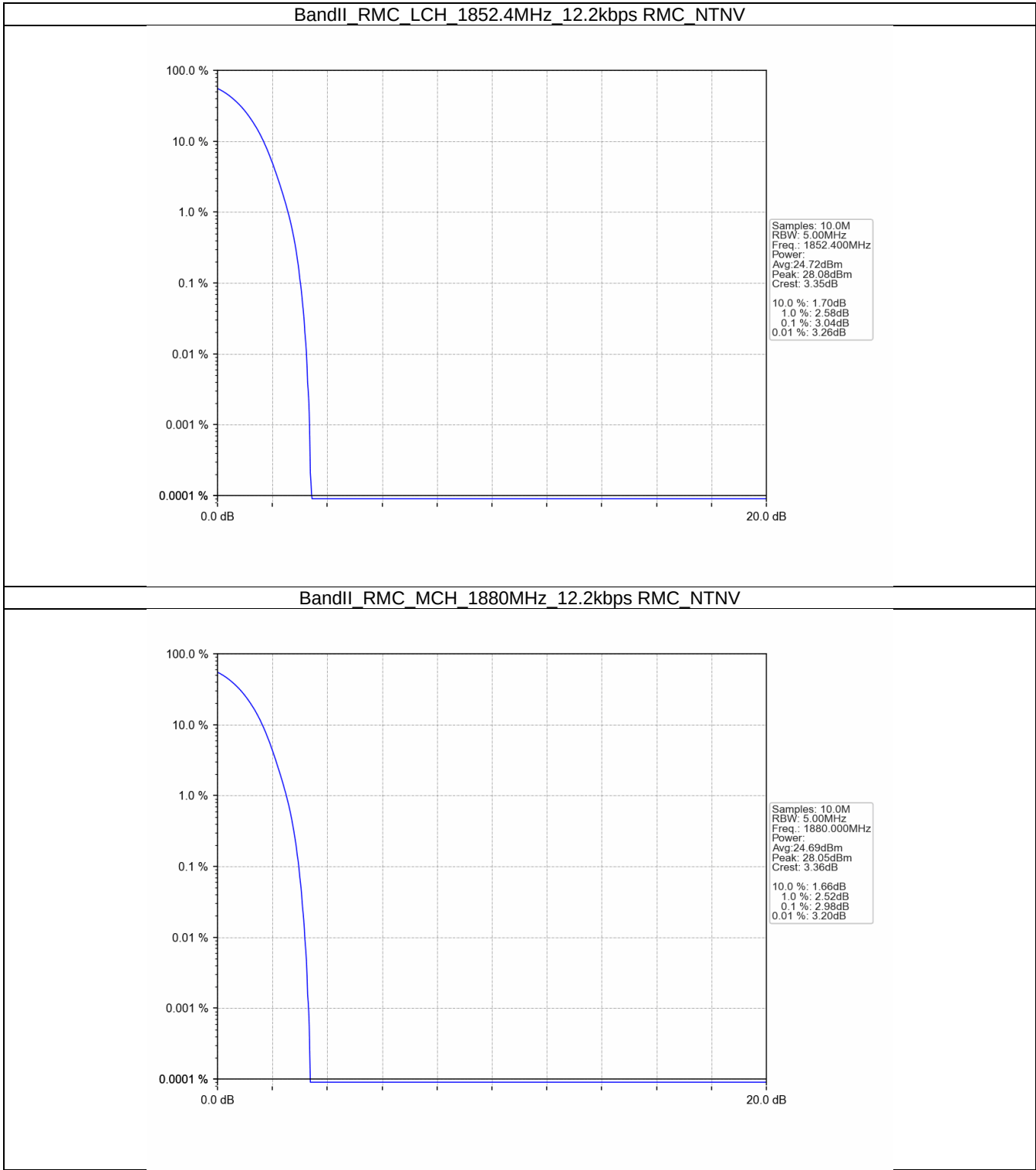
4.1 Test Result

4.1.1 BandII

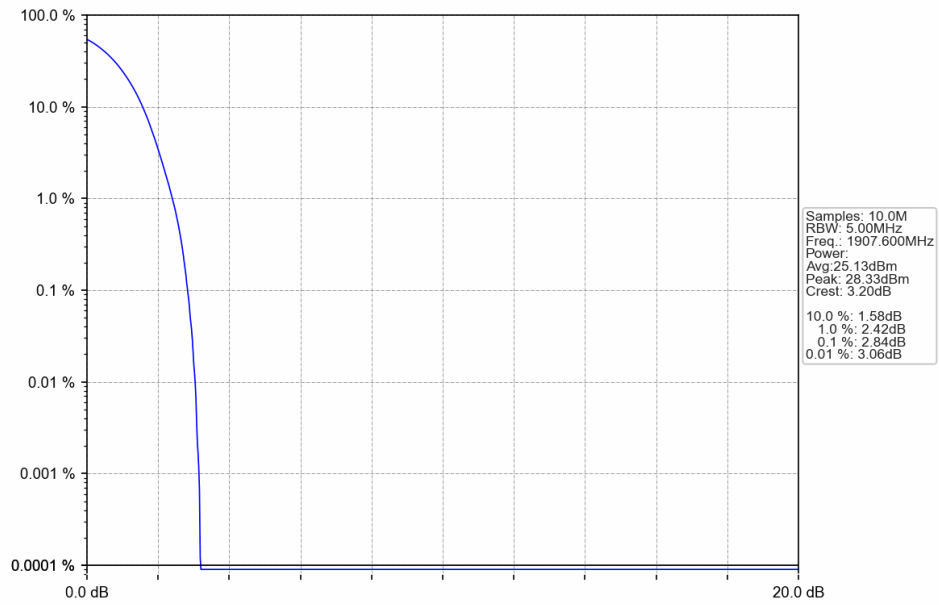
Band: II						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.04	<=13	Pass
			1880	2.98	<=13	Pass
			1907.6	2.84	<=13	Pass

4.2 Test Graph

4.2.1 BandII



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



5. Spurious Emission

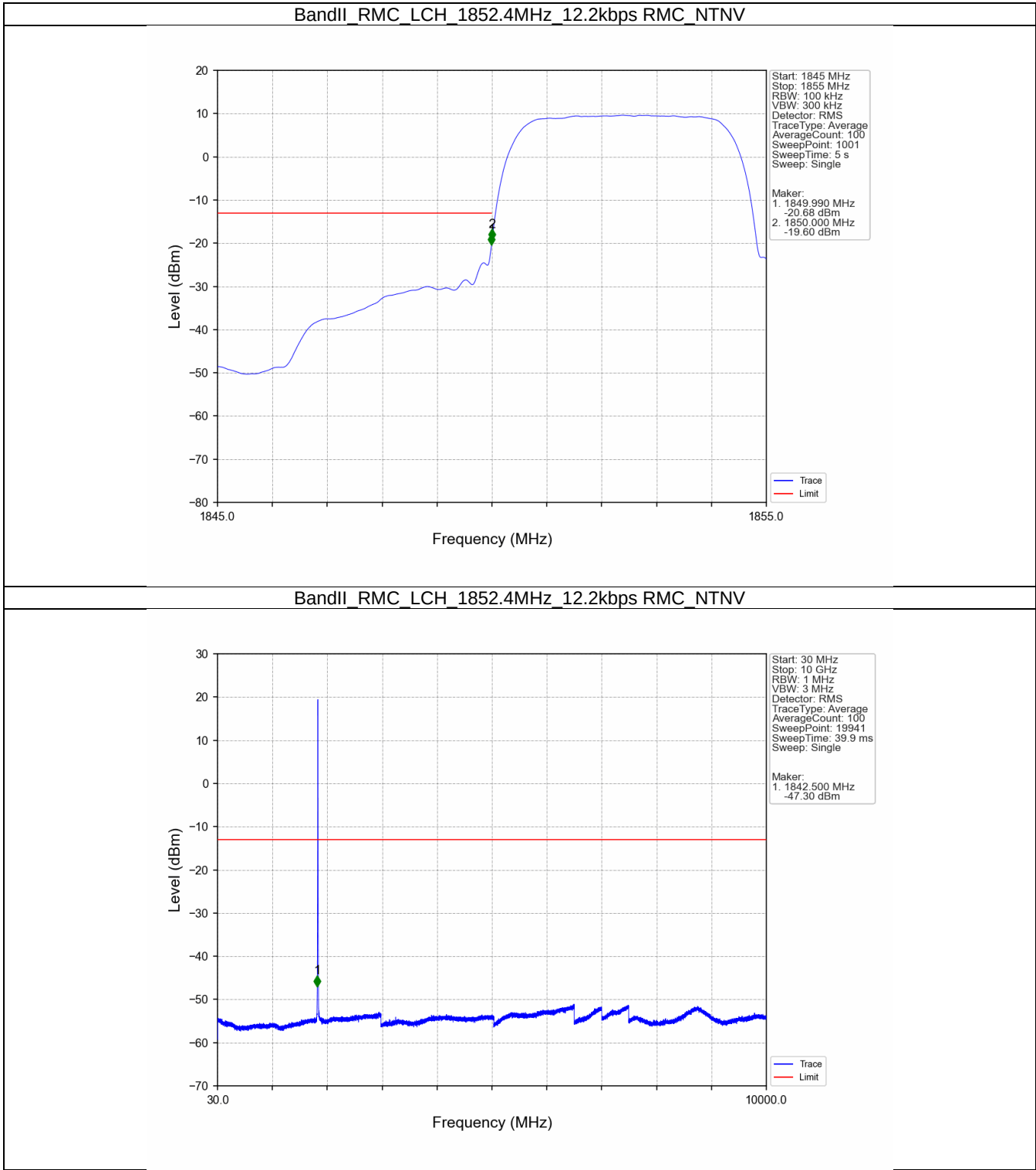
5.1 Test Result

5.1.1 BandII

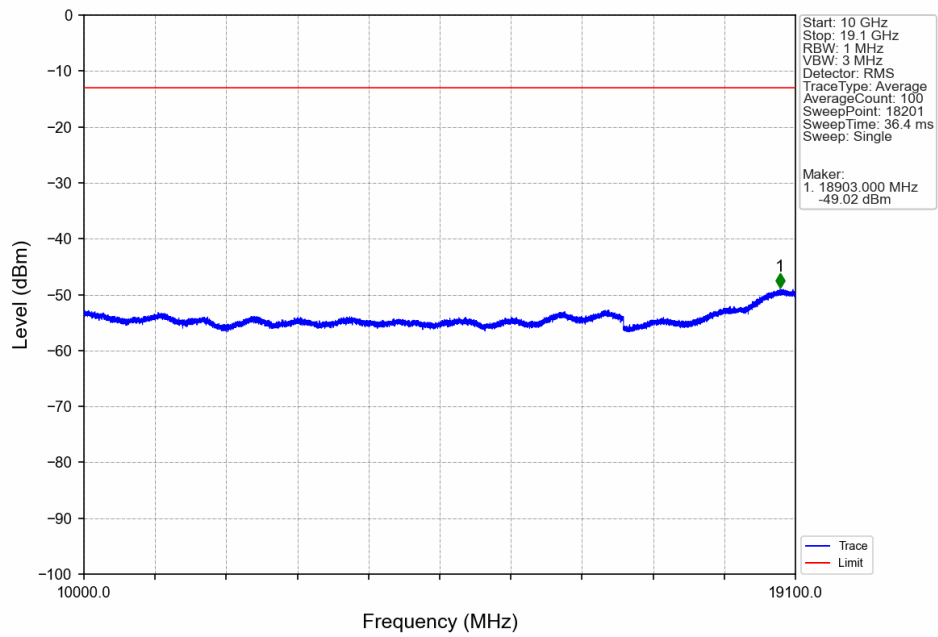
Band: II						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass

5.2 Test Graph

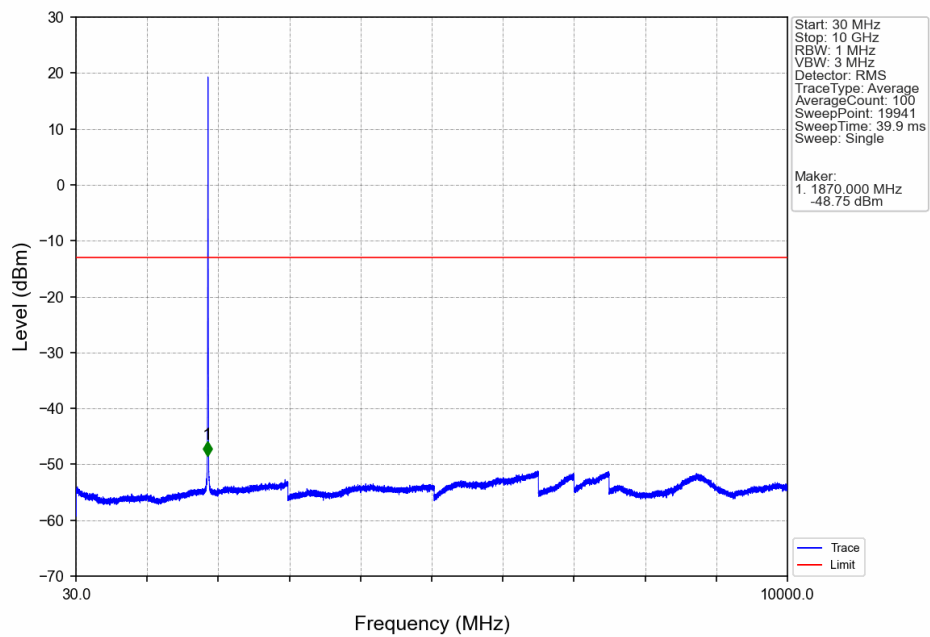
5.2.1 BandII



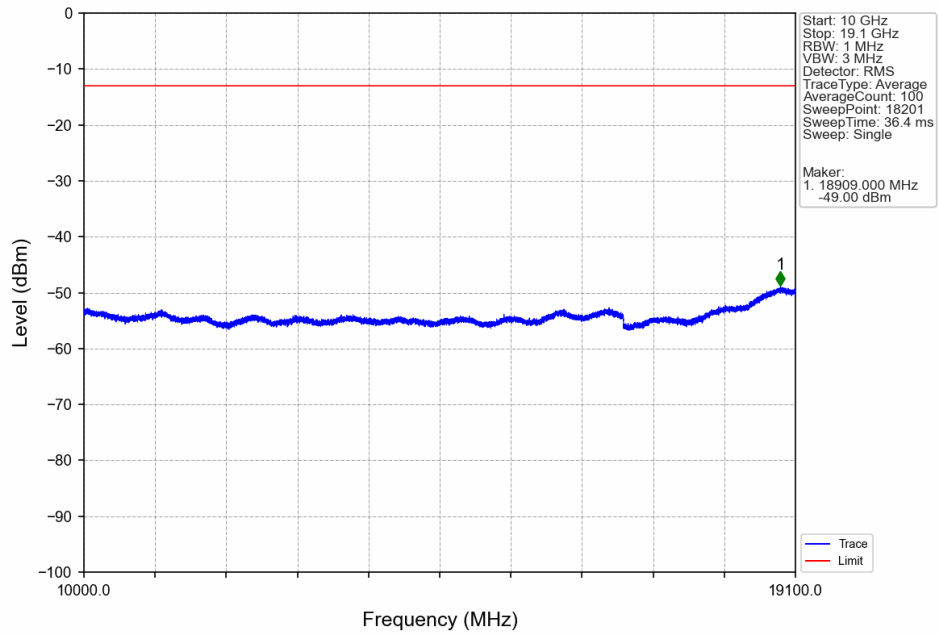
BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



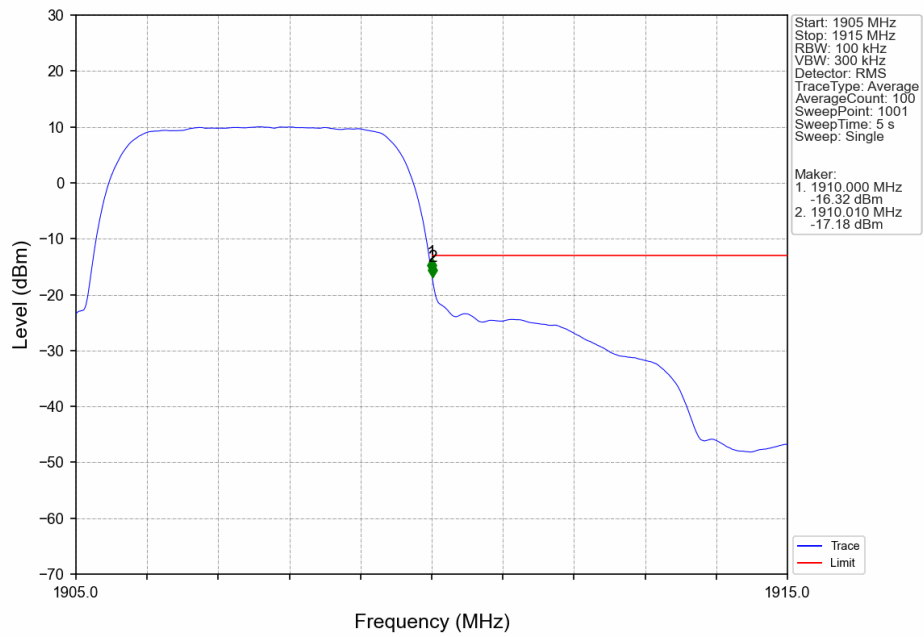
BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



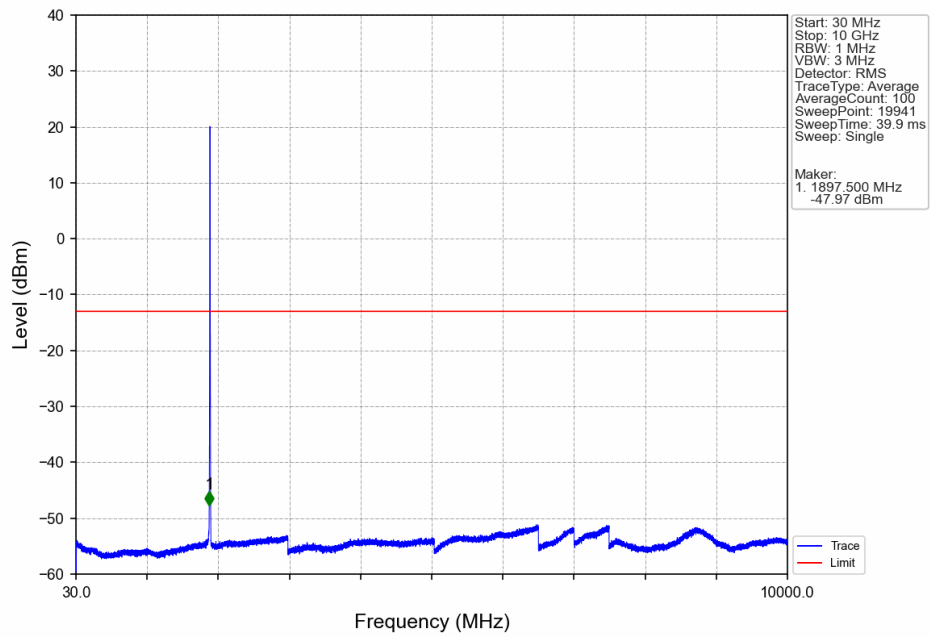
BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



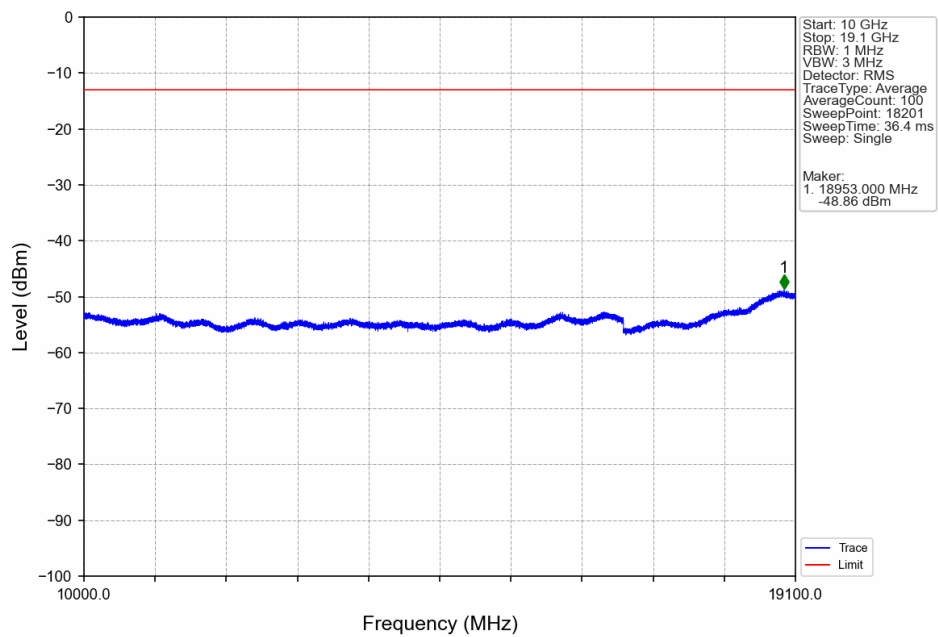
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



6. Field Strength of Spurious Radiation

Test Band = WCDMA Band II_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3704.8	49.91	-48.49	28.83	-65.02	-13.00	52.02	Horizontal
2	5557.2	50.04	-47.66	32.62	-60.26	-13.00	47.26	Horizontal
3	7409.6	49.57	-46.17	36.24	-55.62	-13.00	42.62	Horizontal
4	9262	46.25	-43.13	37.77	-54.37	-13.00	41.37	Horizontal
5	11114.4	47.10	-40.36	39.49	-49.03	-13.00	36.03	Horizontal
6	12966.8	48.54	-39.40	38.82	-47.30	-13.00	34.30	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3703.5	55.99	-48.50	28.83	-58.94	-13.00	45.94	Vertical
2	5557.2	50.23	-47.66	32.62	-60.07	-13.00	47.07	Vertical
3	7409.6	48.98	-46.17	36.24	-56.21	-13.00	43.21	Vertical
4	9262	46.74	-43.13	37.77	-53.88	-13.00	40.88	Vertical
5	11114.4	47.38	-40.36	39.49	-48.75	-13.00	35.75	Vertical
6	12966.8	48.92	-39.40	38.82	-46.92	-13.00	33.92	Vertical

Test Band = WCDMA Band II_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3762	54.03	-48.31	28.92	-60.62	-13.00	47.62	Horizontal
2	5640	50.05	-47.62	32.66	-60.17	-13.00	47.17	Horizontal
3	7520	48.70	-45.85	36.40	-56.01	-13.00	43.01	Horizontal
4	9400	46.87	-43.05	37.96	-53.48	-13.00	40.48	Horizontal
5	11280	47.38	-40.44	39.47	-48.84	-13.00	35.84	Horizontal
6	13160	48.35	-38.58	39.04	-46.45	-13.00	33.45	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3761.25	61.85	-48.31	28.92	-52.80	-13.00	39.80	Vertical
2	5640	50.49	-47.62	32.66	-59.73	-13.00	46.73	Vertical
3	7520	48.63	-45.85	36.40	-56.08	-13.00	43.08	Vertical
4	9400	46.41	-43.05	37.96	-53.94	-13.00	40.94	Vertical
5	11280	46.79	-40.44	39.47	-49.43	-13.00	36.43	Vertical
6	13160	48.57	-38.58	39.04	-46.23	-13.00	33.23	Vertical

Test Band = WCDMA Band II_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3813.75	56.53	-48.20	29.00	-57.92	-13.00	44.92	Horizontal
2	5722.8	52.94	-47.53	32.69	-57.16	-13.00	44.16	Horizontal
3	7630	48.73	-44.77	36.37	-54.92	-13.00	41.92	Horizontal
4	9538	47.53	-42.32	38.15	-51.90	-13.00	38.90	Horizontal
5	11445.6	47.91	-40.07	39.46	-47.97	-13.00	34.97	Horizontal
6	13353.2	48.76	-39.13	39.33	-46.30	-13.00	33.30	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3813	64.73	-48.19	29.00	-49.72	-13.00	36.72	Vertical
2	5719.5	55.20	-47.52	32.69	-54.89	-13.00	41.89	Vertical
3	7630	48.81	-44.77	36.37	-54.84	-13.00	41.84	Vertical
4	9538	46.97	-42.32	38.15	-52.46	-13.00	39.46	Vertical
5	11445.6	48.76	-40.07	39.46	-47.12	-13.00	34.12	Vertical
6	13353.2	48.25	-39.13	39.33	-46.81	-13.00	33.81	Vertical