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	23.50	0.00	23.50	<=33.00	Pass
			1880	23.43	0.00	23.43	<=33.00	Pass
			1907.6	23.44	0.00	23.44	<=33.00	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	3.6	0.637	0.0003	-2.5 to 2.5	Pass
			3.88	2.825	0.0015	-2.5 to 2.5	Pass
			4.53	-0.179	-0.0001	-2.5 to 2.5	Pass
		-30	3.88	1.137	0.0006	-2.5 to 2.5	Pass
		-20	3.88	1.287	0.0007	-2.5 to 2.5	Pass
		-10	3.88	3.169	0.0017	-2.5 to 2.5	Pass
		0	3.88	3.233	0.0017	-2.5 to 2.5	Pass
		10	3.88	-15.199	-0.0082	-2.5 to 2.5	Pass
		30	3.88	4.506	0.0024	-2.5 to 2.5	Pass
		40	3.88	1.924	0.0010	-2.5 to 2.5	Pass
		50	3.88	3.140	0.0017	-2.5 to 2.5	Pass
	1880	20	3.6	1.810	0.0010	-2.5 to 2.5	Pass
			3.88	0.916	0.0005	-2.5 to 2.5	Pass
			4.53	0.837	0.0004	-2.5 to 2.5	Pass
		-30	3.88	5.293	0.0028	-2.5 to 2.5	Pass
		-20	3.88	6.680	0.0036	-2.5 to 2.5	Pass
		-10	3.88	4.442	0.0024	-2.5 to 2.5	Pass
		0	3.88	1.695	0.0009	-2.5 to 2.5	Pass
		10	3.88	6.094	0.0032	-2.5 to 2.5	Pass
		30	3.88	6.759	0.0036	-2.5 to 2.5	Pass
		40	3.88	2.310	0.0012	-2.5 to 2.5	Pass
		50	3.88	2.503	0.0013	-2.5 to 2.5	Pass
	1907.6	20	3.6	6.773	0.0036	-2.5 to 2.5	Pass
			3.88	5.207	0.0027	-2.5 to 2.5	Pass
			4.53	4.041	0.0021	-2.5 to 2.5	Pass
		-30	3.88	2.525	0.0013	-2.5 to 2.5	Pass
		-20	3.88	4.470	0.0023	-2.5 to 2.5	Pass
		-10	3.88	3.147	0.0016	-2.5 to 2.5	Pass
		0	3.88	2.060	0.0011	-2.5 to 2.5	Pass
		10	3.88	6.287	0.0033	-2.5 to 2.5	Pass
		30	3.88	1.717	0.0009	-2.5 to 2.5	Pass
		40	3.88	5.250	0.0028	-2.5 to 2.5	Pass
		50	3.88	3.405	0.0018	-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	4.161	/	Pass
			1880	4.165	/	Pass
			1907.6	4.157	/	Pass

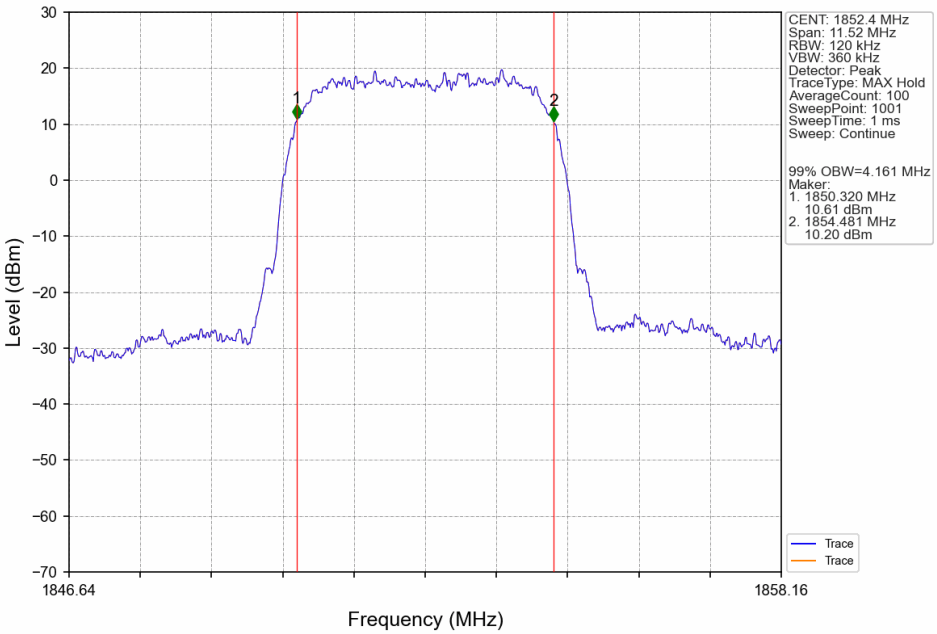
3.1.2 BandII_XDB

Band: II						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.724	/	Pass
			1880	4.733	/	Pass
			1907.6	4.731	/	Pass

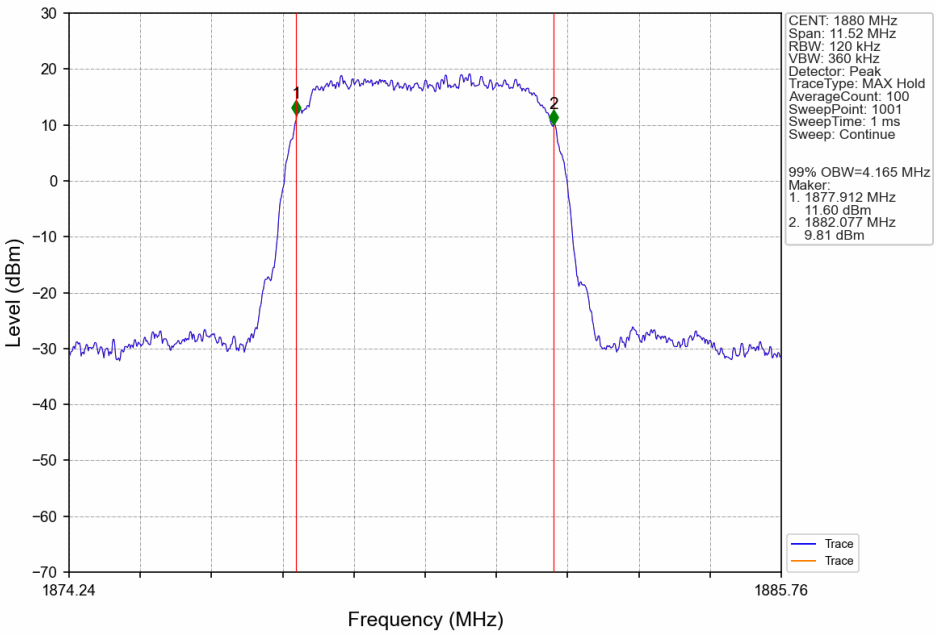
3.2 Test Graph

3.2.1 BandII_OBW

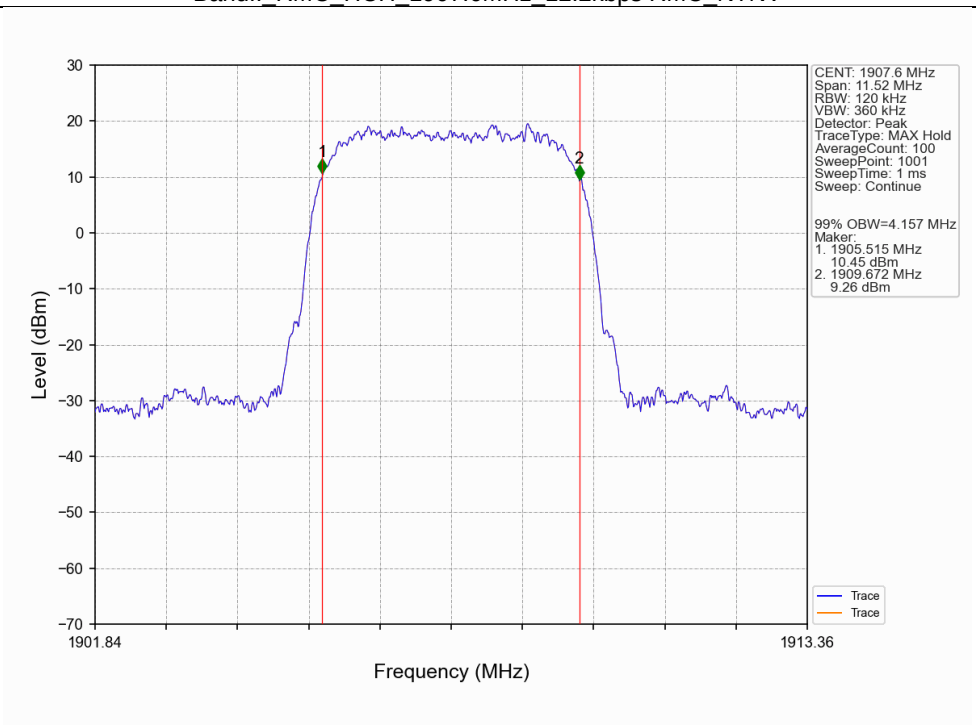
BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV

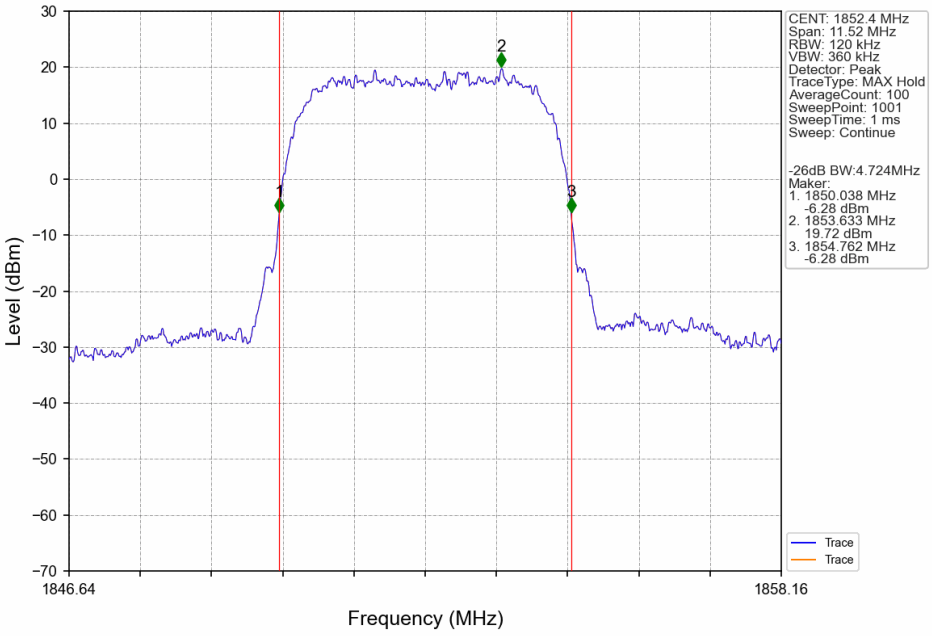


BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV

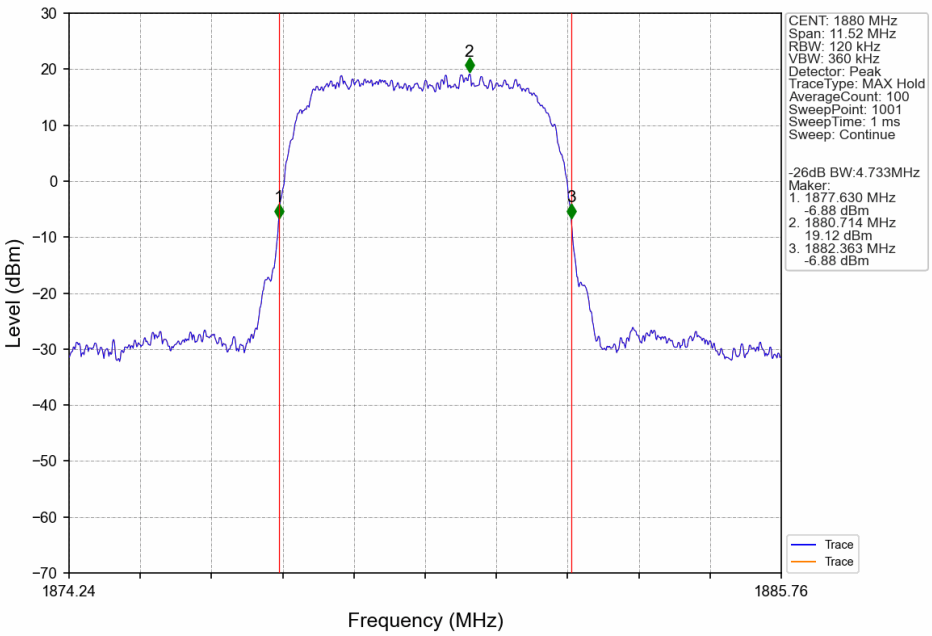


3.2.2 BandII_XDB

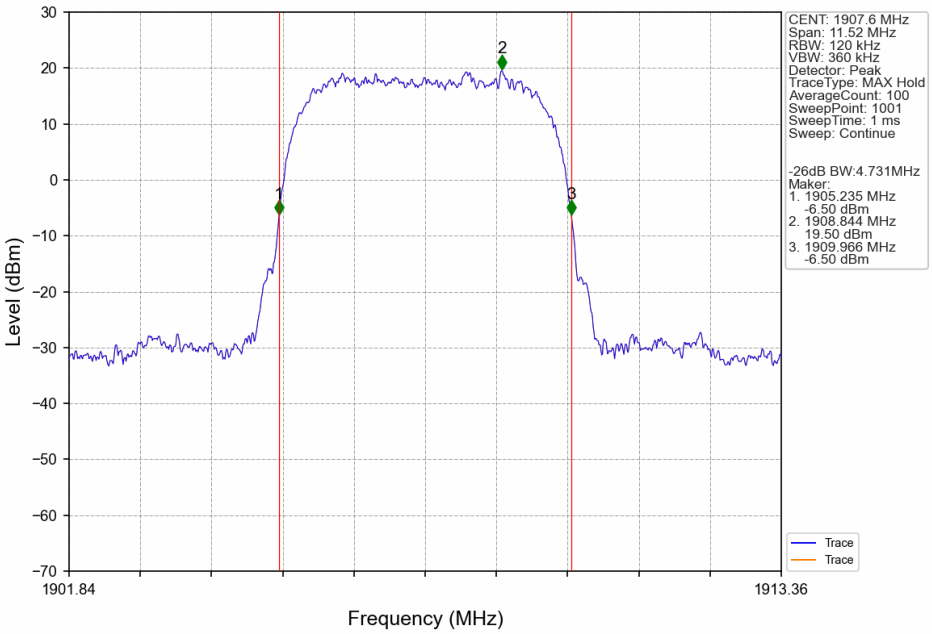
BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



4. Peak-Average Ratio

4.1 Test Result

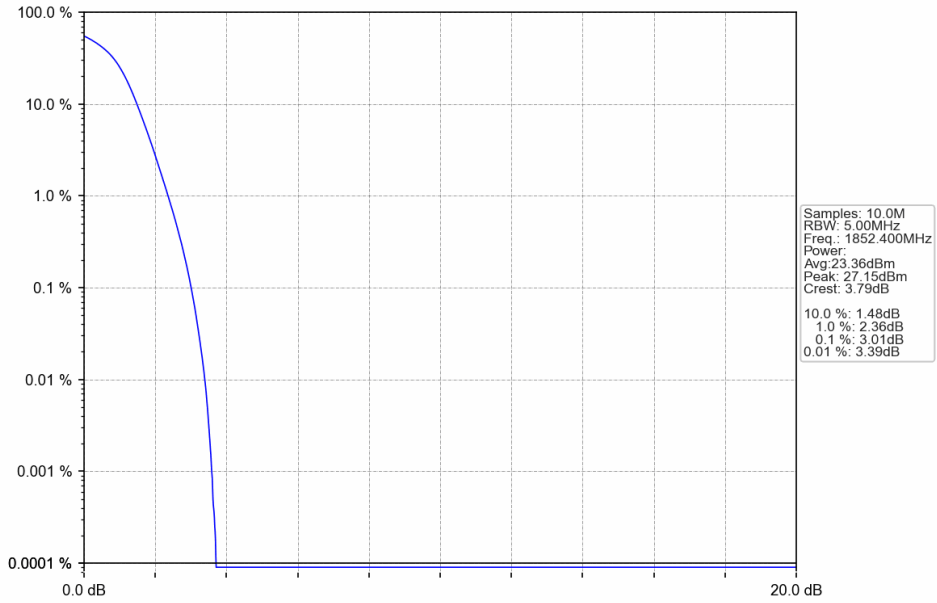
4.1.1 BandII

Band: II						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.01	<=13	Pass
			1880	2.96	<=13	Pass
			1907.6	2.96	<=13	Pass

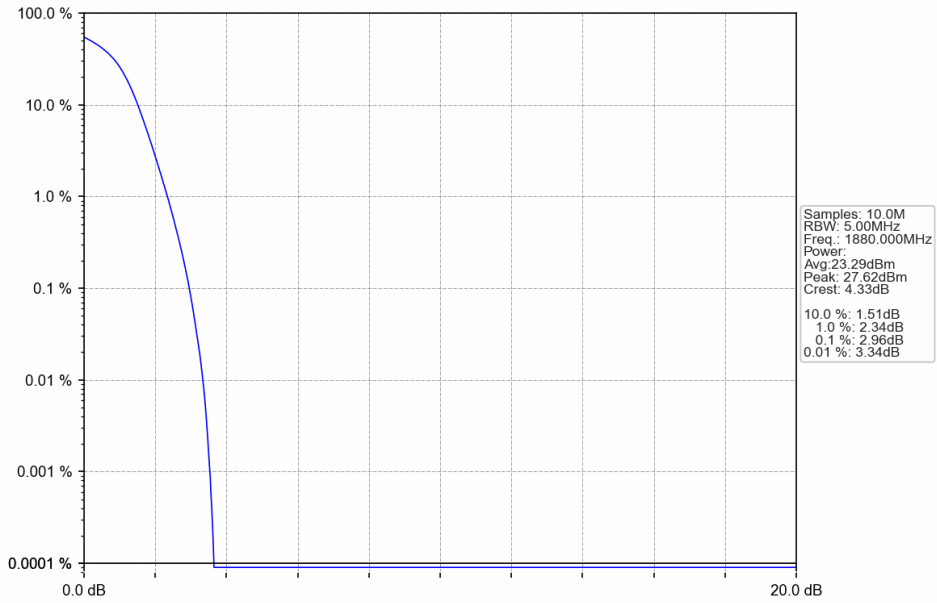
4.2 Test Graph

4.2.1 BandII

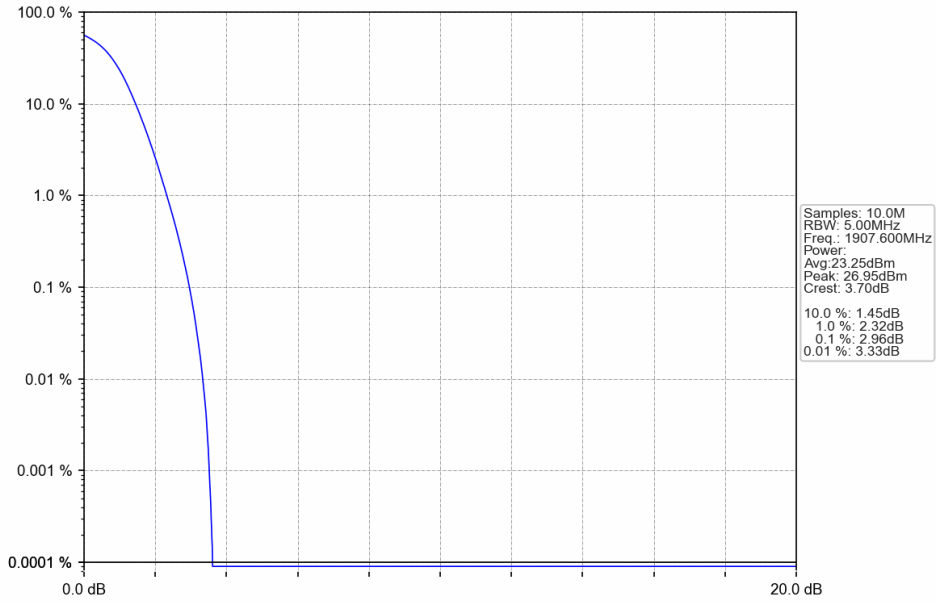
BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



5. Spurious Emission

5.1 Test Result

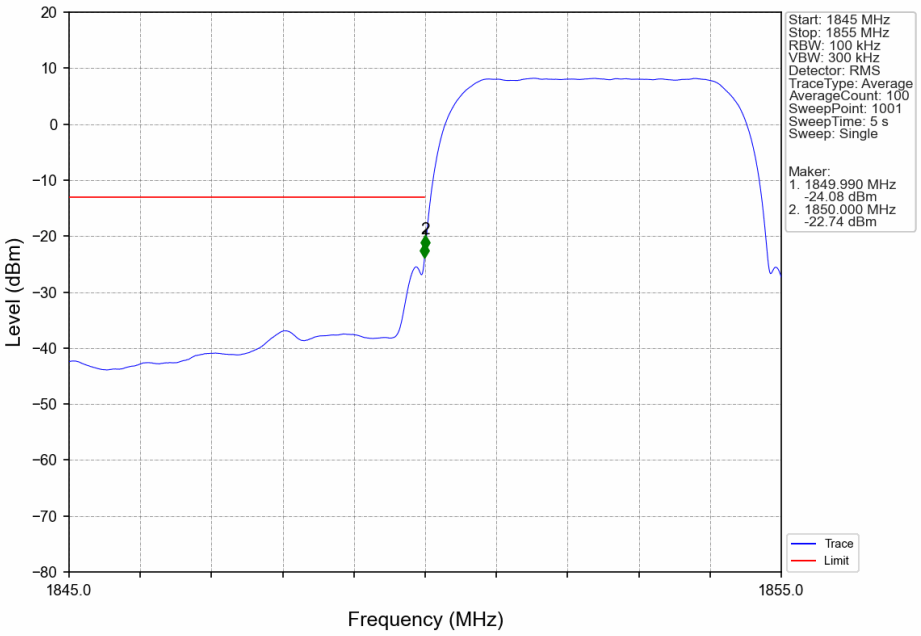
5.1.1 BandII

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

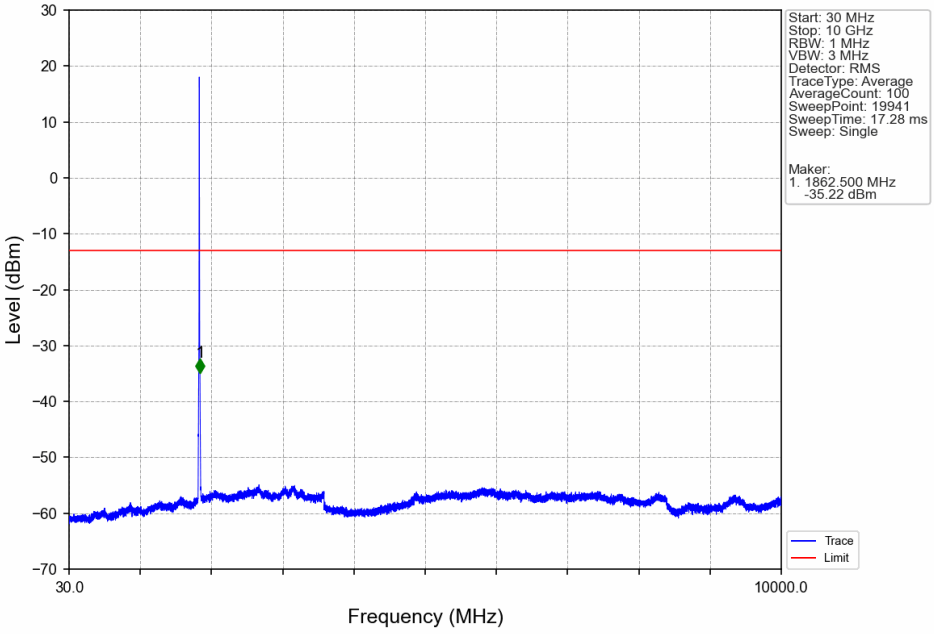
5.2 Test Graph

5.2.1 BandII

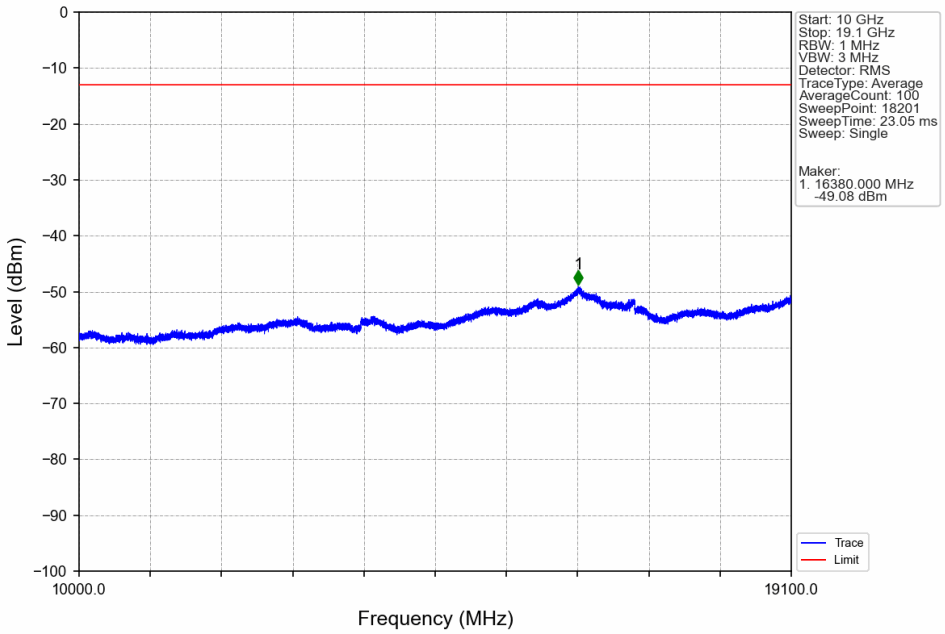
BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



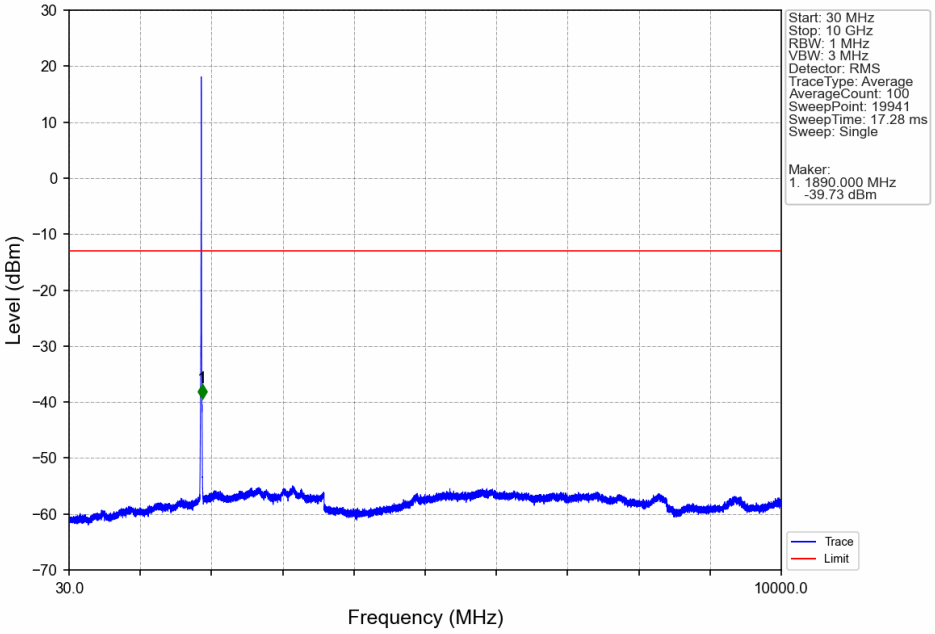
BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



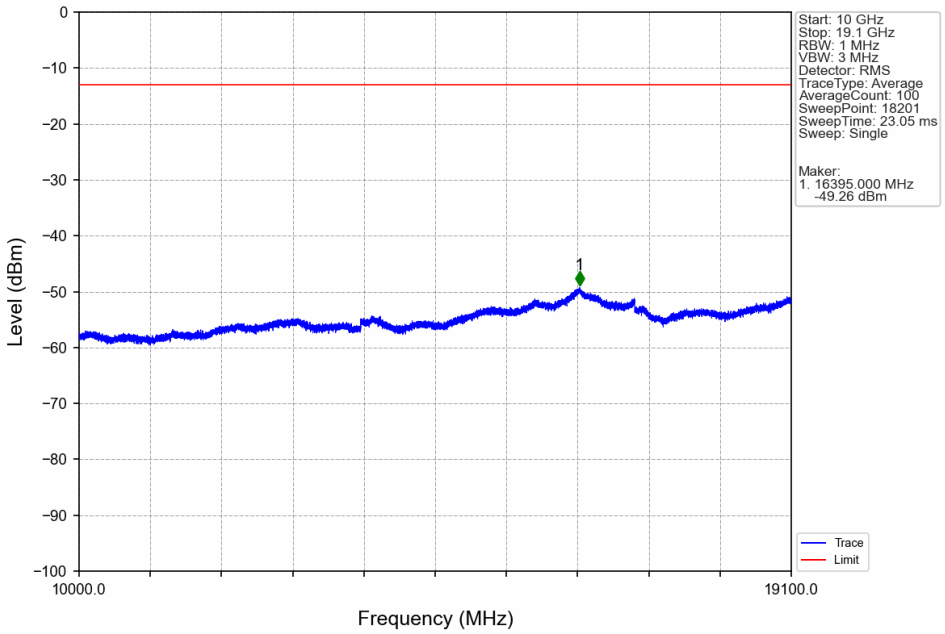
BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



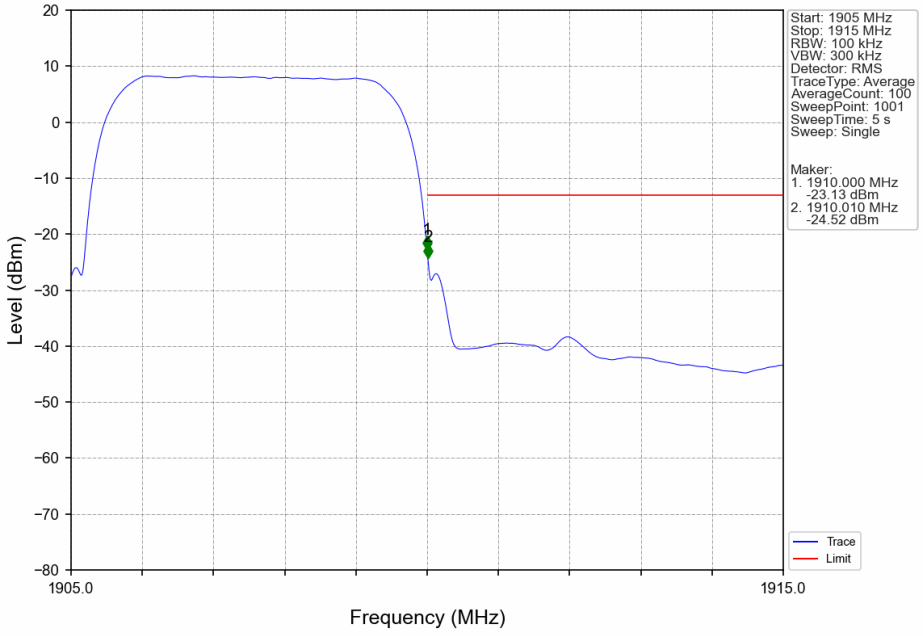
BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



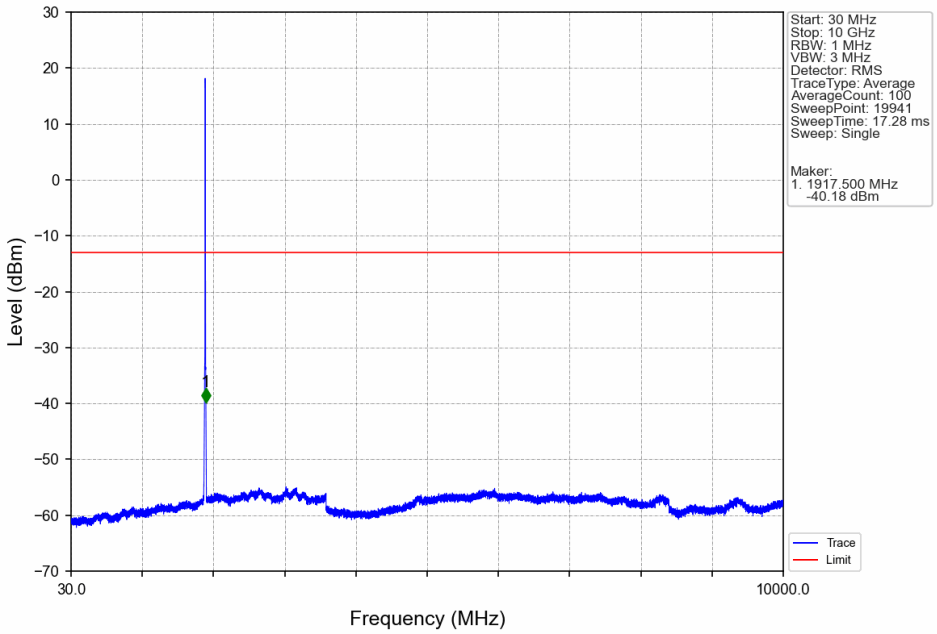
BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



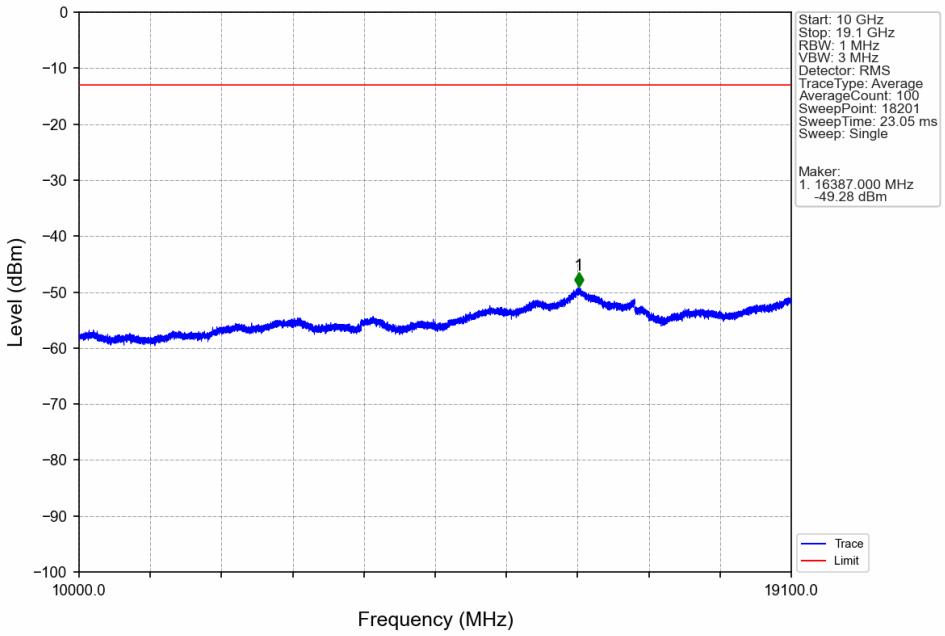
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



6. Field Strength of Spurious Radiation

For Sample 1

Test Band = WCDMA Band Ⅱ_ TM1
Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3646.5	41.73	-45.84	28.83	-70.53	-13.00	57.53	Horizontal
2	4610.25	41.18	-45.66	30.78	-68.97	-13.00	55.97	Horizontal
3	5553.75	53.62	-45.15	32.31	-54.48	-13.00	41.48	Horizontal
4	7246.5	38.94	-43.57	35.69	-64.20	-13.00	51.20	Horizontal
5	8893.5	36.90	-41.24	36.56	-63.04	-13.00	50.04	Horizontal
6	11238	33.01	-37.40	38.72	-60.93	-13.00	47.93	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702.75	45.71	-45.51	28.92	-66.14	-13.00	53.14	Vertical
2	5553.75	49.45	-45.15	32.31	-58.65	-13.00	45.65	Vertical
3	7295.25	39.58	-43.73	35.83	-63.59	-13.00	50.59	Vertical
4	8348.25	38.35	-41.74	36.89	-61.76	-13.00	48.76	Vertical
5	10053.75	35.34	-39.18	38.51	-60.59	-13.00	47.59	Vertical
6	11808	33.45	-36.95	39.00	-59.76	-13.00	46.76	Vertical

Test Band = WCDMA Band Ⅱ_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3761.25	44.74	-45.76	29.02	-67.26	-13.00	54.26	Horizontal
2	5637	54.96	-44.99	32.33	-52.96	-13.00	39.96	Horizontal
3	7261.5	39.53	-43.62	35.73	-63.62	-13.00	50.62	Horizontal
4	8600.25	37.18	-41.33	36.74	-62.67	-13.00	49.67	Horizontal
5	10662.75	34.04	-38.10	38.57	-60.75	-13.00	47.75	Horizontal
6	12383.25	33.73	-37.53	39.21	-59.85	-13.00	46.85	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3757.5	43.60	-45.74	29.01	-68.39	-13.00	55.39	Vertical
2	5637	51.06	-44.99	32.33	-56.86	-13.00	43.86	Vertical
3	7016.25	39.79	-43.66	35.05	-64.08	-13.00	51.08	Vertical
4	8379	38.37	-41.57	36.87	-61.59	-13.00	48.59	Vertical
5	9927	35.12	-39.31	38.35	-61.09	-13.00	48.09	Vertical
6	13701	32.44	-36.16	40.38	-58.60	-13.00	45.60	Vertical

Test Band = WCDMA Band Ⅱ_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3816.75	44.45	-45.98	29.11	-67.68	-13.00	54.68	Horizontal
2	5719.5	53.15	-44.83	32.34	-54.60	-13.00	41.60	Horizontal
3	7002	39.66	-43.56	35.01	-64.16	-13.00	51.16	Horizontal
4	8031	38.65	-42.04	37.08	-61.57	-13.00	48.57	Horizontal
5	9673.5	35.12	-39.50	37.85	-61.79	-13.00	48.79	Horizontal
6	11602.5	33.83	-36.90	38.90	-59.43	-13.00	46.43	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3817.5	43.49	-45.98	29.11	-68.65	-13.00	55.65	Vertical
2	5719.5	48.36	-44.83	32.34	-59.39	-13.00	46.39	Vertical
3	7446.75	39.76	-43.28	36.25	-62.53	-13.00	49.53	Vertical
4	8087.25	38.49	-41.49	37.05	-61.21	-13.00	48.21	Vertical
5	9807	35.59	-39.47	38.11	-61.03	-13.00	48.03	Vertical
6	12356.25	34.67	-37.49	39.21	-58.88	-13.00	45.88	Vertical