

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
				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
				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
				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

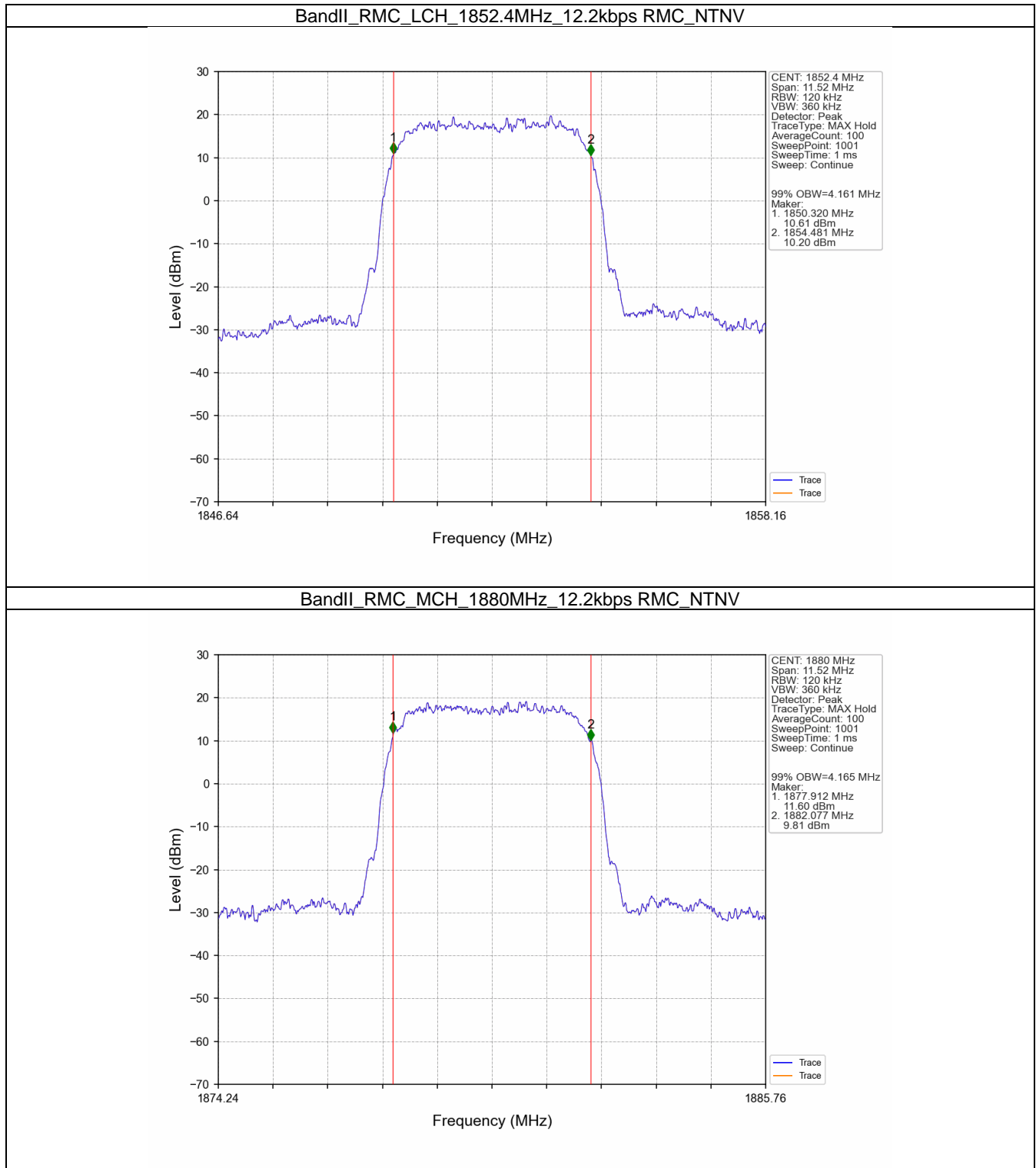
Band: II						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.161	/	Pass
			1880	4.165	/	Pass
			1907.6	4.157	/	Pass

3.1.2 BandII_XDB

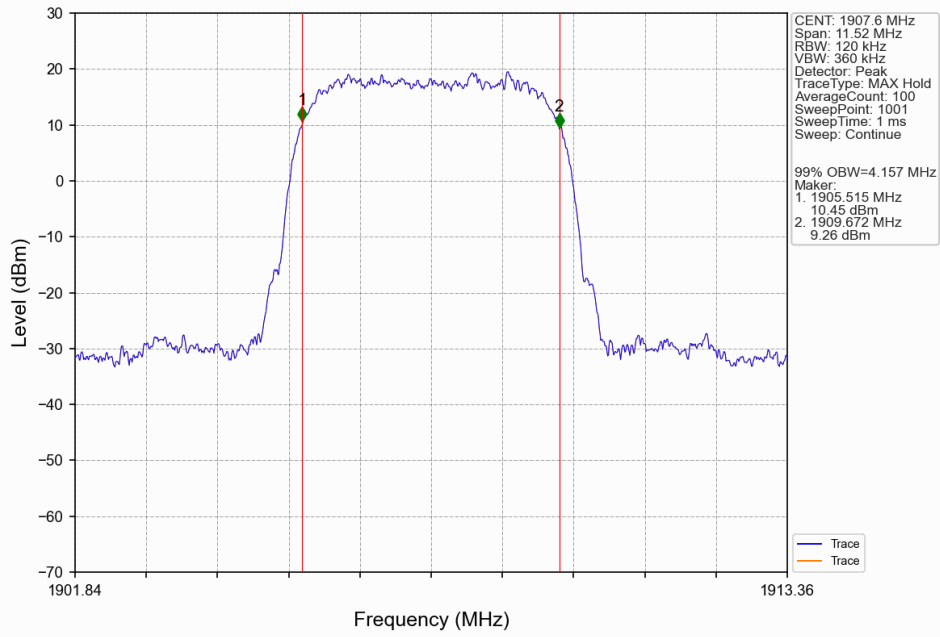
Band: II						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.724	/	Pass
			1880	4.733	/	Pass
			1907.6	4.731	/	Pass

3.2 Test Graph

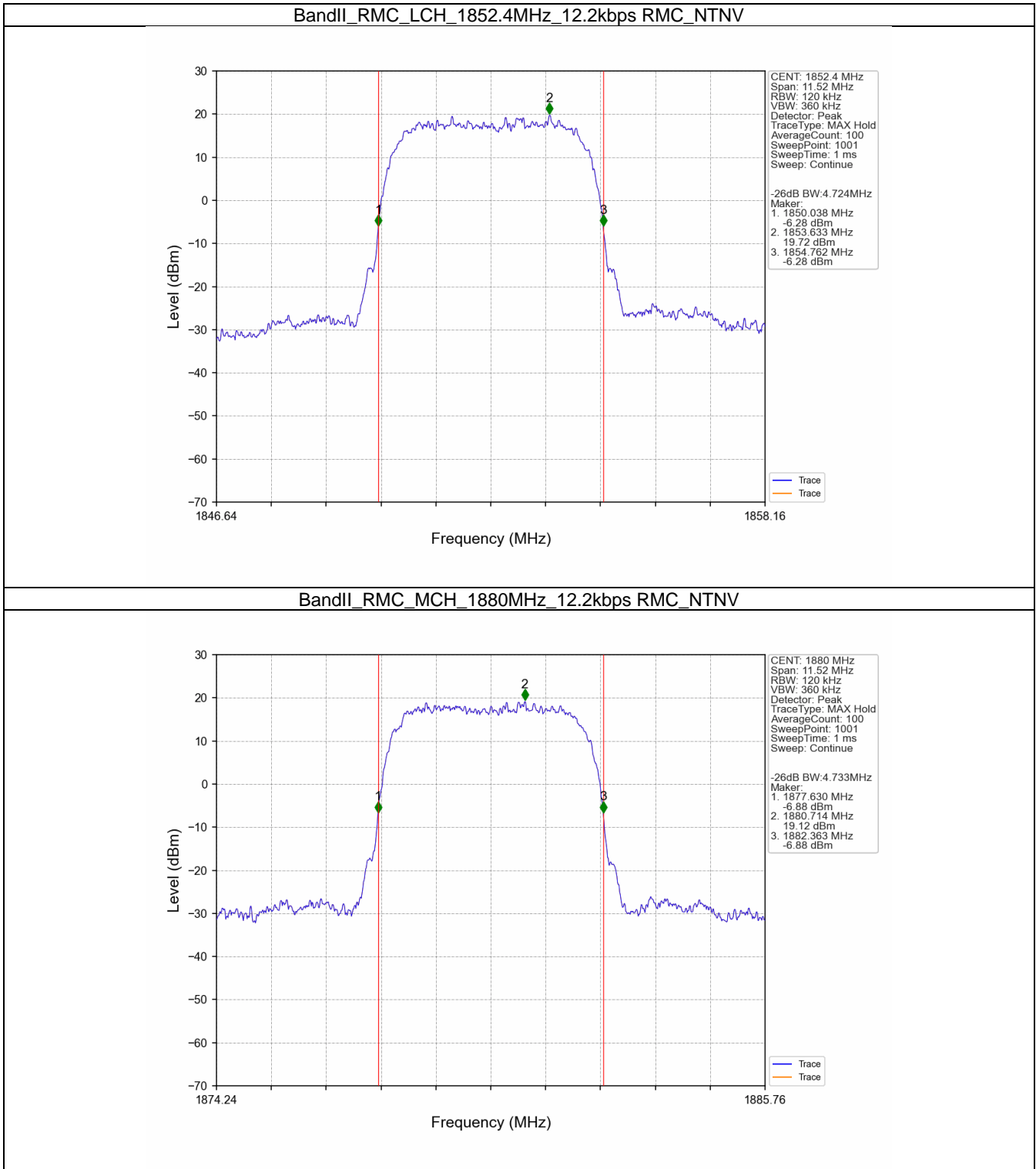
3.2.1 BandII_OBW



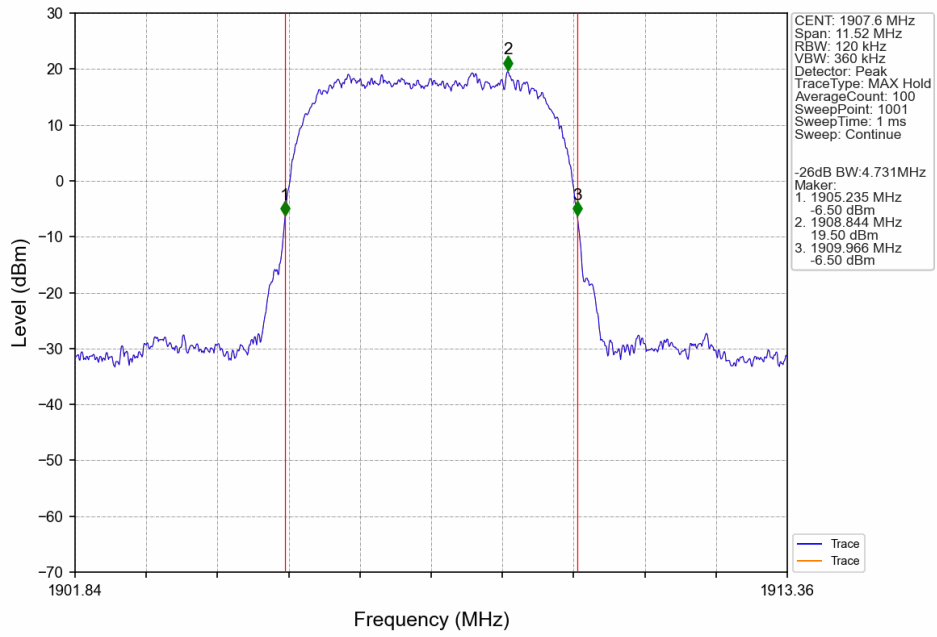
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



3.2.2 BandII_XDB



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



4. Peak-Average Ratio

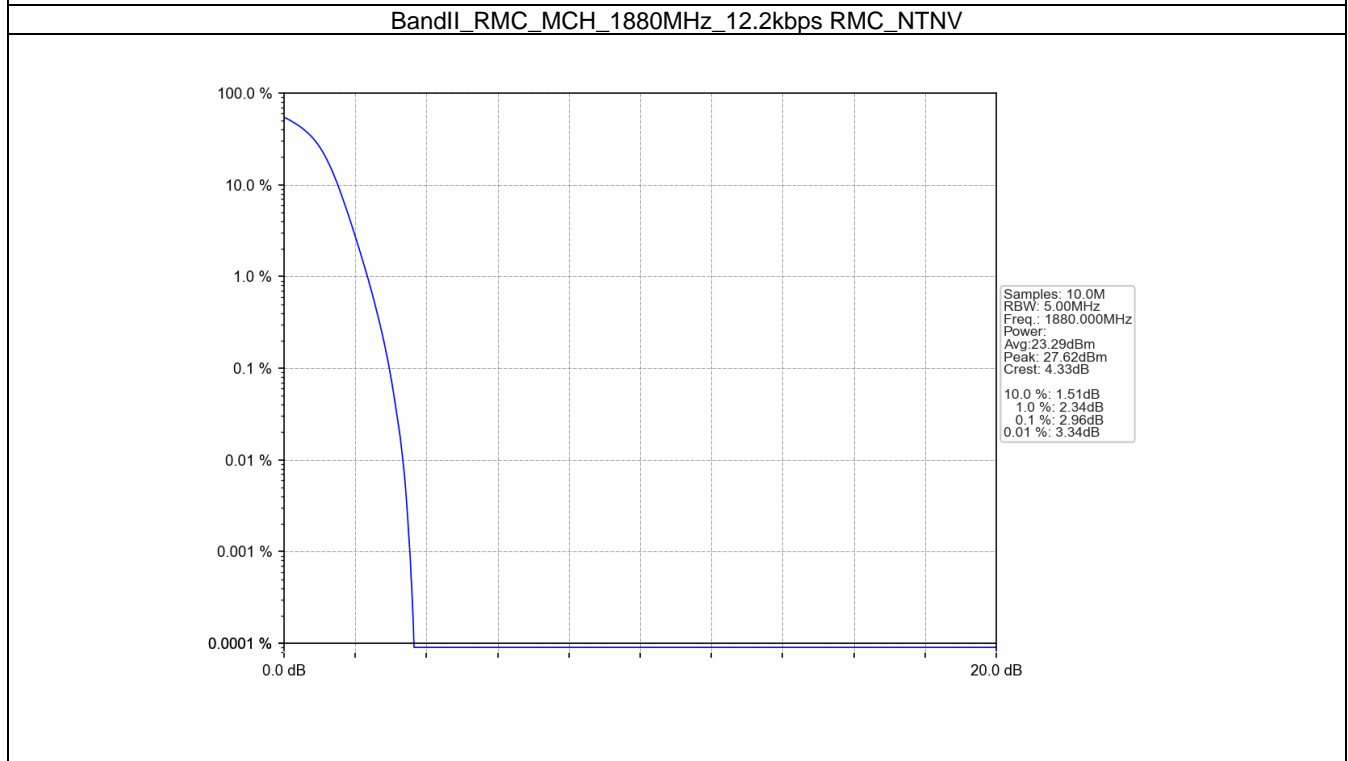
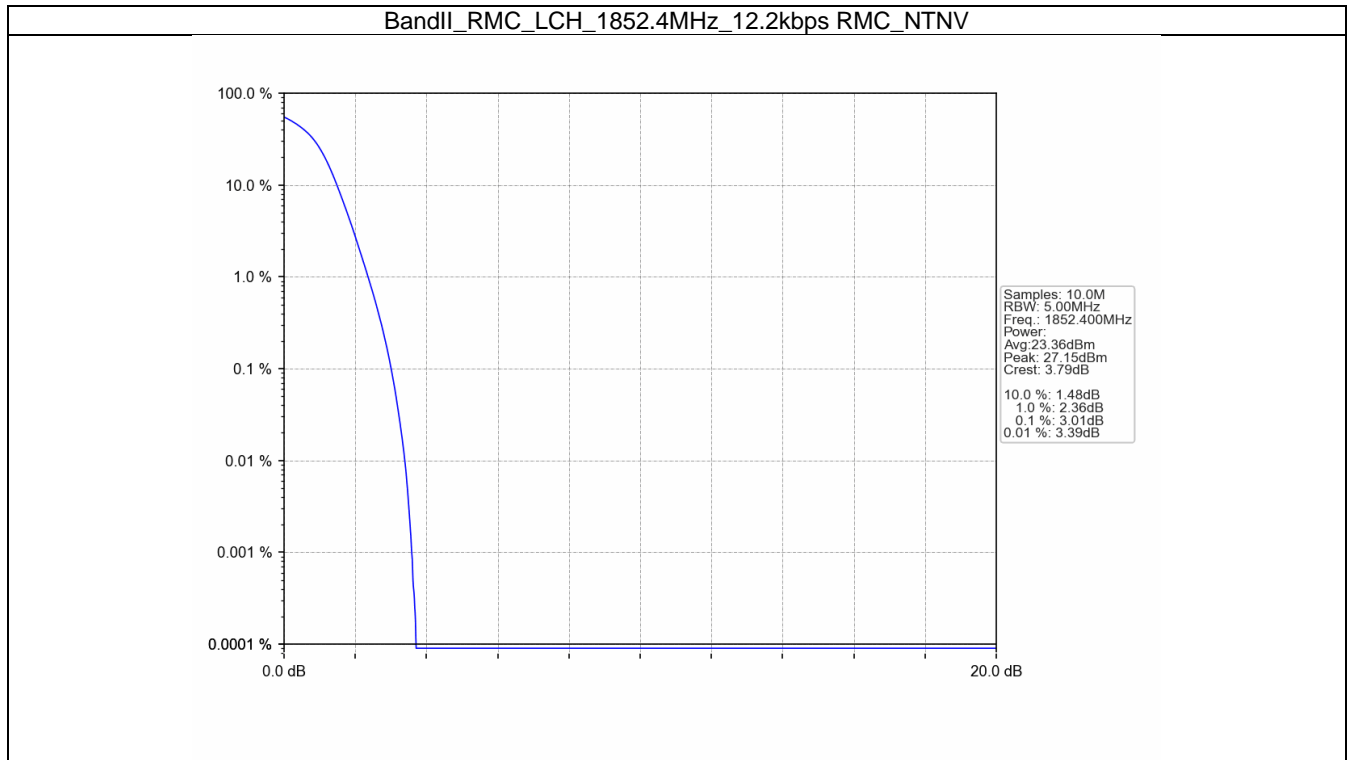
4.1 Test Result

4.1.1 BandII

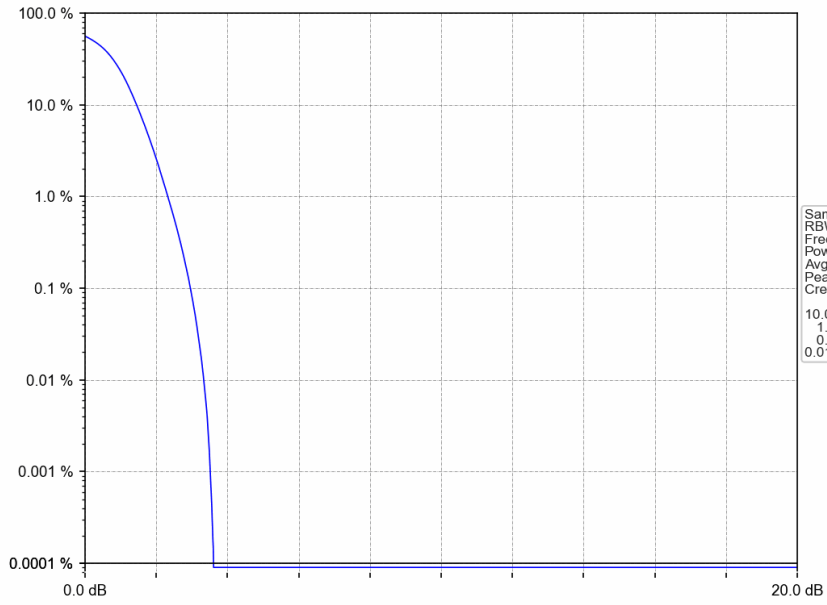
Band: II						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.01	<=13	Pass
			1880	2.96	<=13	Pass
			1907.6	2.96	<=13	Pass

4.2 Test Graph

4.2.1 BandII



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



Samples: 10.0M
RBW: 5.00MHz
Freq.: 1907.600MHz
Power:
Avg: 23.25dBm
Peak: 26.95dBm
Crest: 3.70dB
10.0 %: 1.45dB
1.0 %: 2.32dB
0.1 %: 2.96dB
0.01 %: 3.33dB

5. Spurious Emission

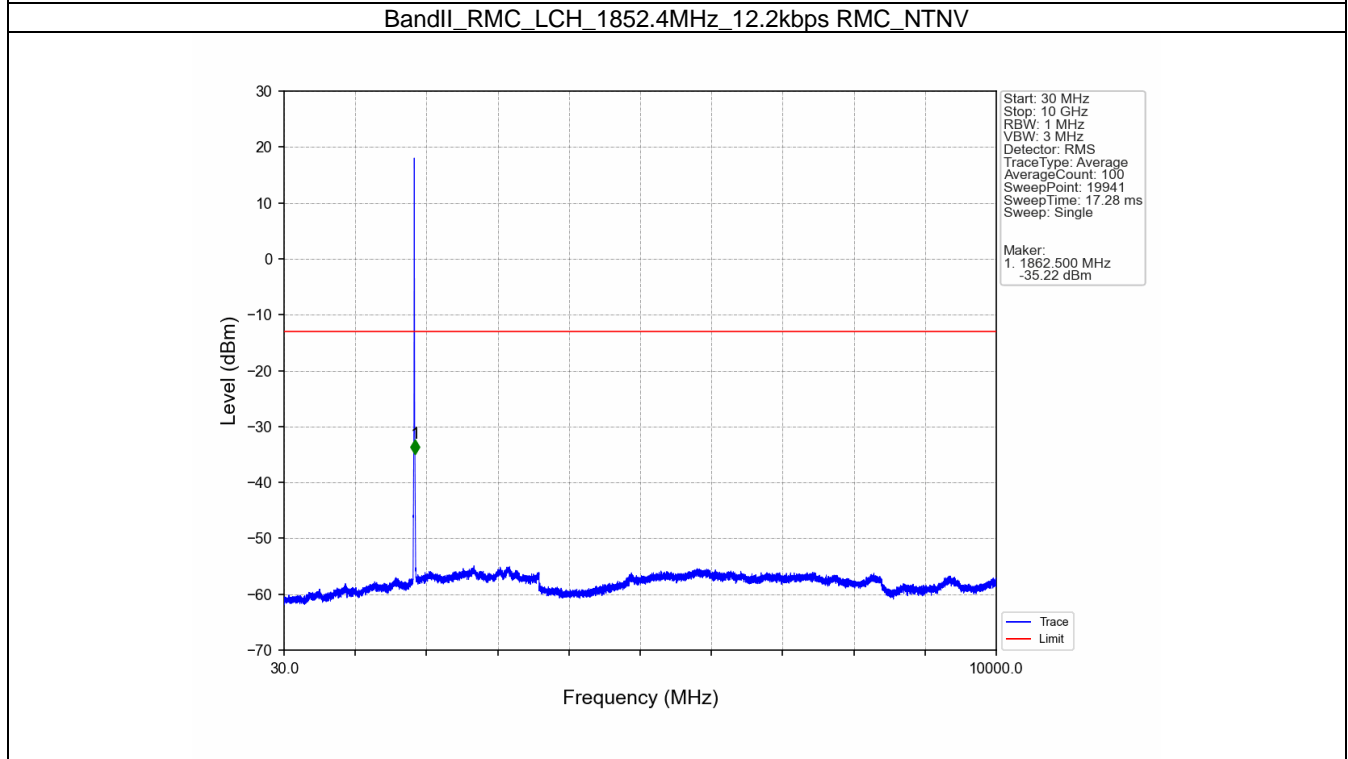
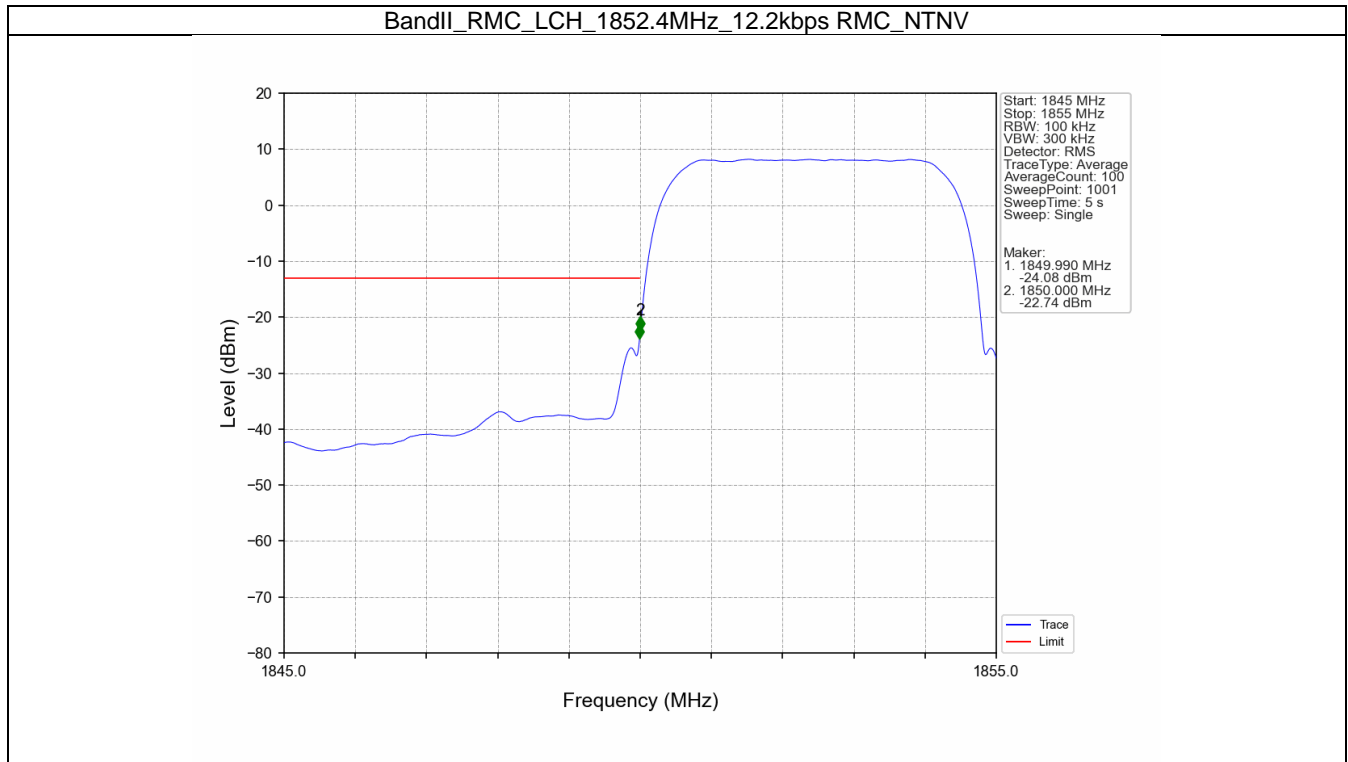
5.1 Test Result

5.1.1 BandII

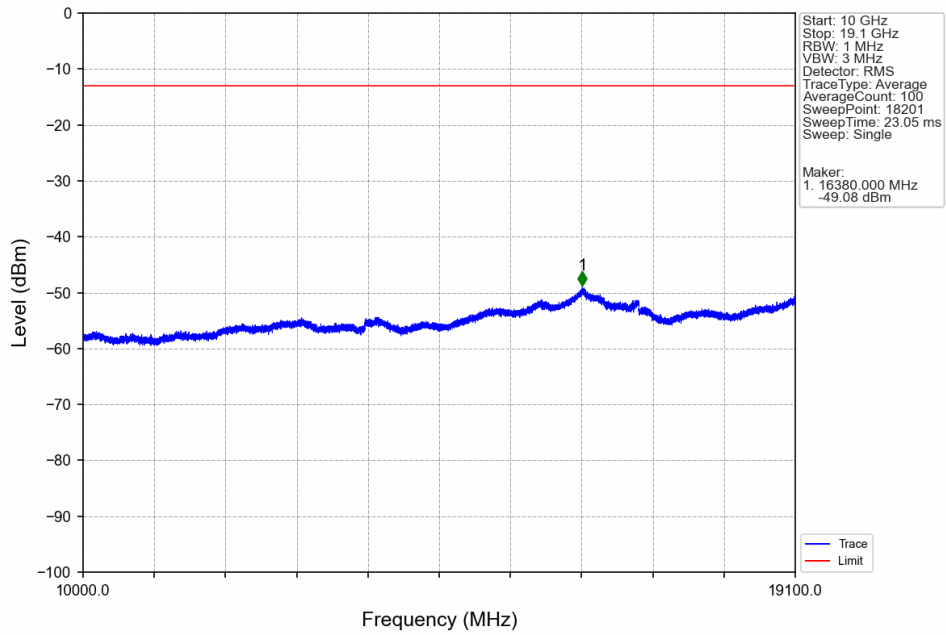
Band: II						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass

5.2 Test Graph

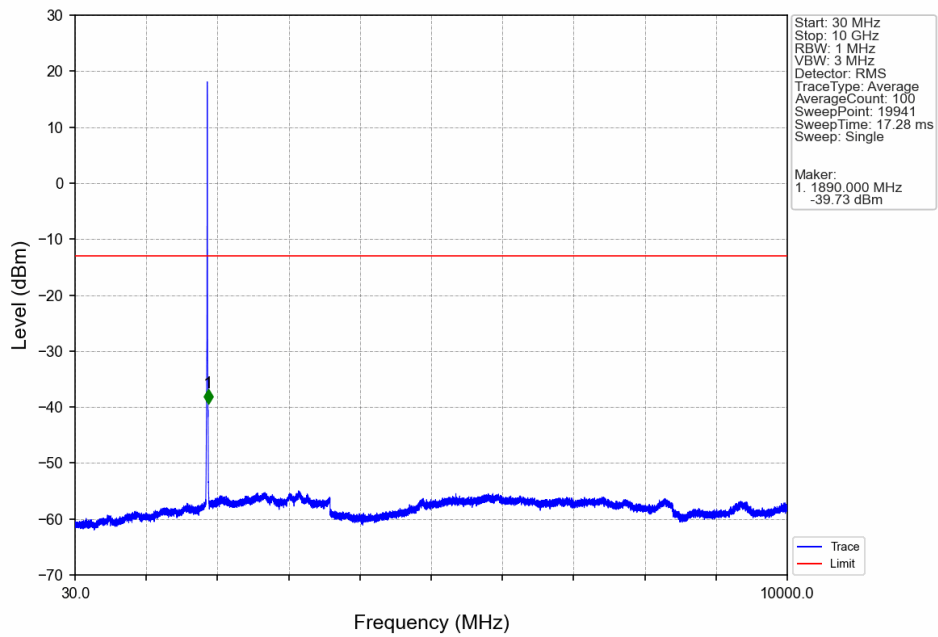
5.2.1 BandII



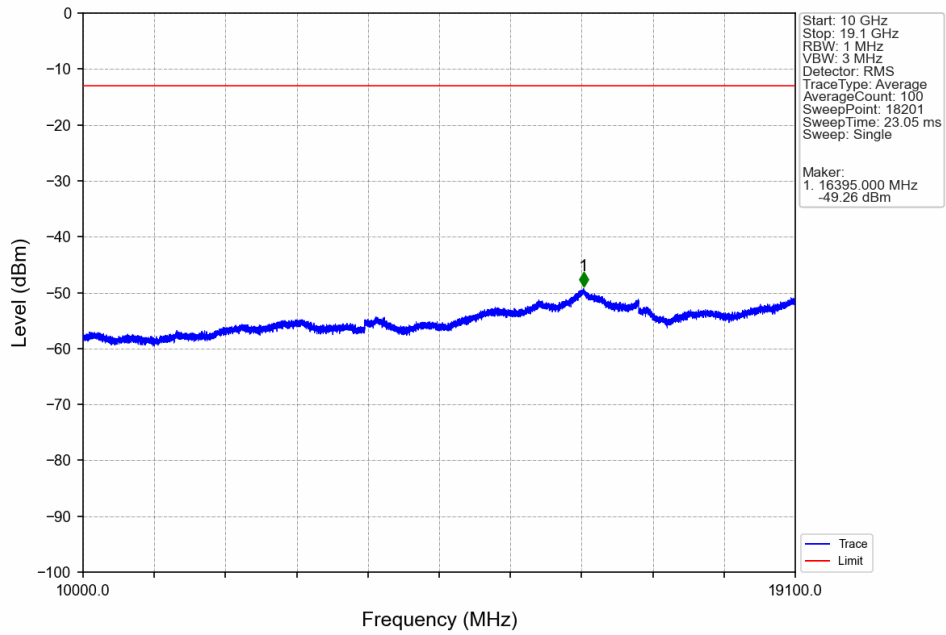
BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



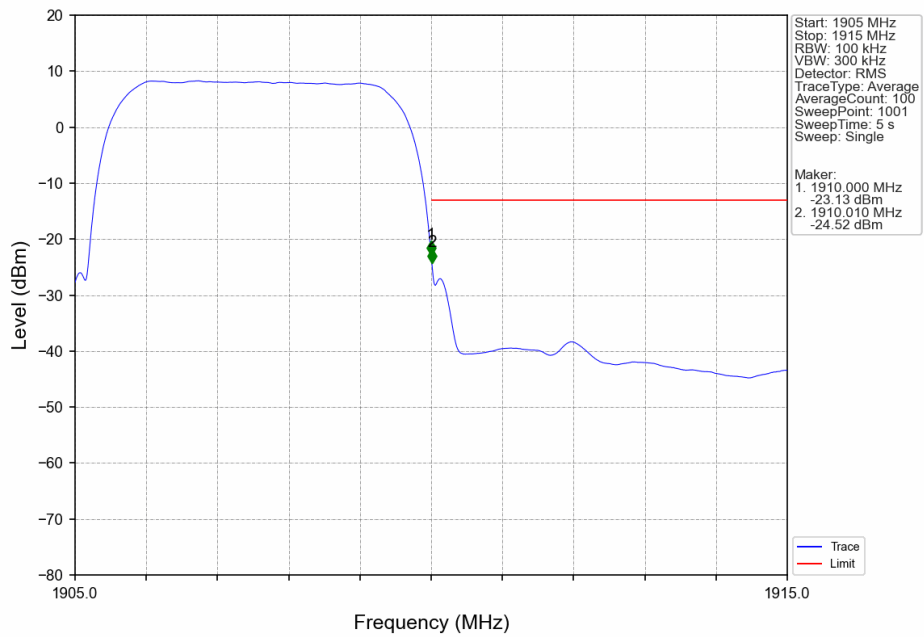
BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



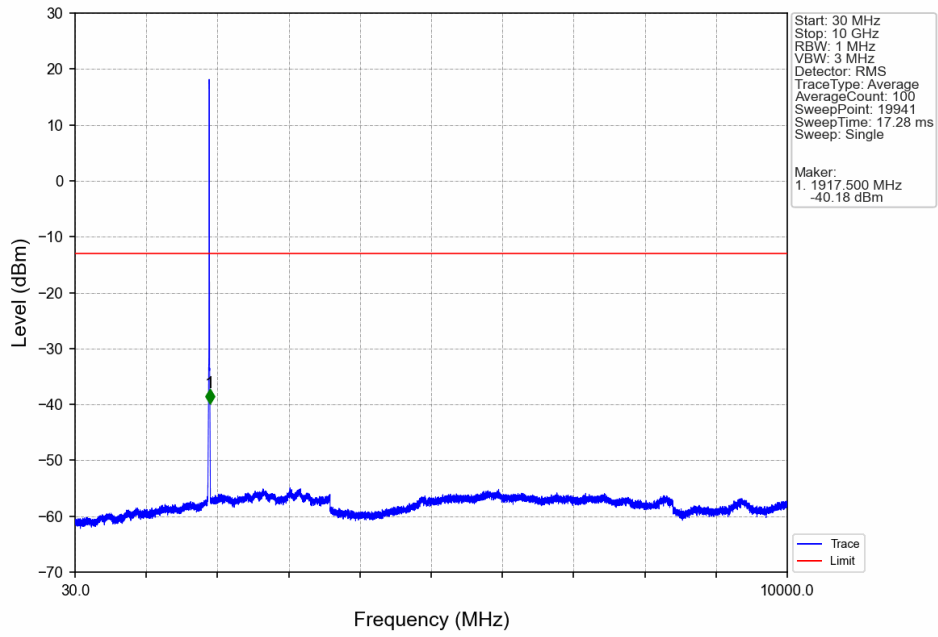
BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



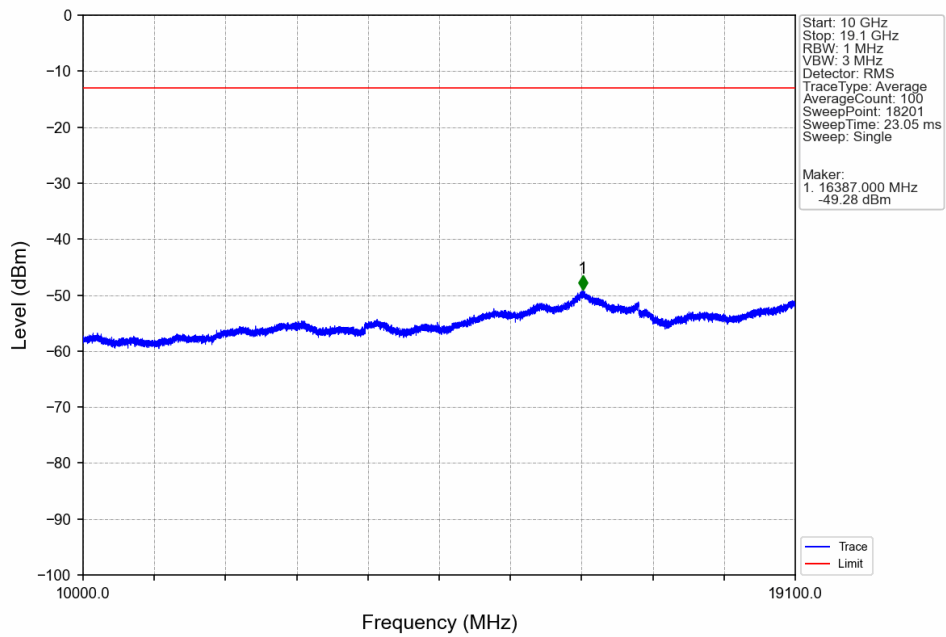
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



6. Field Strength of Spurious Radiation

For Sample 1

Test Band = WCDMA Band II_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dB μ V]	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 [dB μ V]	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