

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 Band2_EIRP

Band: 2								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	22.46	0.81	23.27	<=33.00	Pass
			1880	22.31	0.81	23.12	<=33.00	Pass
			1907.6	22.20	0.81	23.01	<=33.00	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 Band2

Band: 2							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1852.4	20	3.27	0.093	0.0001	-2.5 to 2.5	Pass
			3.85	0.042	0.0000	-2.5 to 2.5	Pass
			4.43	0.200	0.0001	-2.5 to 2.5	Pass
		-30	3.85	-0.895	-0.0005	-2.5 to 2.5	Pass
		-20	3.85	-0.432	-0.0002	-2.5 to 2.5	Pass
		-10	3.85	-0.464	-0.0003	-2.5 to 2.5	Pass
		0	3.85	0.067	0.0000	-2.5 to 2.5	Pass
		10	3.85	-0.653	-0.0004	-2.5 to 2.5	Pass
		30	3.85	0.177	0.0001	-2.5 to 2.5	Pass
		40	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
		50	3.85	0.187	0.0001	-2.5 to 2.5	Pass
	1880	20	3.27	-2.623	-0.0014	-2.5 to 2.5	Pass
			3.85	-2.175	-0.0012	-2.5 to 2.5	Pass
			4.43	-2.589	-0.0014	-2.5 to 2.5	Pass
		-30	3.85	-2.374	-0.0013	-2.5 to 2.5	Pass
		-20	3.85	-2.550	-0.0014	-2.5 to 2.5	Pass
		-10	3.85	-2.551	-0.0014	-2.5 to 2.5	Pass
		0	3.85	-2.456	-0.0013	-2.5 to 2.5	Pass
		10	3.85	-2.364	-0.0013	-2.5 to 2.5	Pass
		30	3.85	-2.541	-0.0014	-2.5 to 2.5	Pass
		40	3.85	-2.206	-0.0012	-2.5 to 2.5	Pass
		50	3.85	-2.510	-0.0013	-2.5 to 2.5	Pass
	1907.6	20	3.27	-5.155	-0.0027	-2.5 to 2.5	Pass
			3.85	-5.271	-0.0028	-2.5 to 2.5	Pass
			4.43	-5.385	-0.0028	-2.5 to 2.5	Pass
		-30	3.85	-5.313	-0.0028	-2.5 to 2.5	Pass
		-20	3.85	-5.312	-0.0028	-2.5 to 2.5	Pass
		-10	3.85	-4.536	-0.0024	-2.5 to 2.5	Pass
		0	3.85	-5.348	-0.0028	-2.5 to 2.5	Pass
		10	3.85	-5.021	-0.0026	-2.5 to 2.5	Pass
		30	3.85	-5.535	-0.0029	-2.5 to 2.5	Pass
		40	3.85	-5.285	-0.0028	-2.5 to 2.5	Pass
		50	3.85	-5.428	-0.0028	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band2_OBW

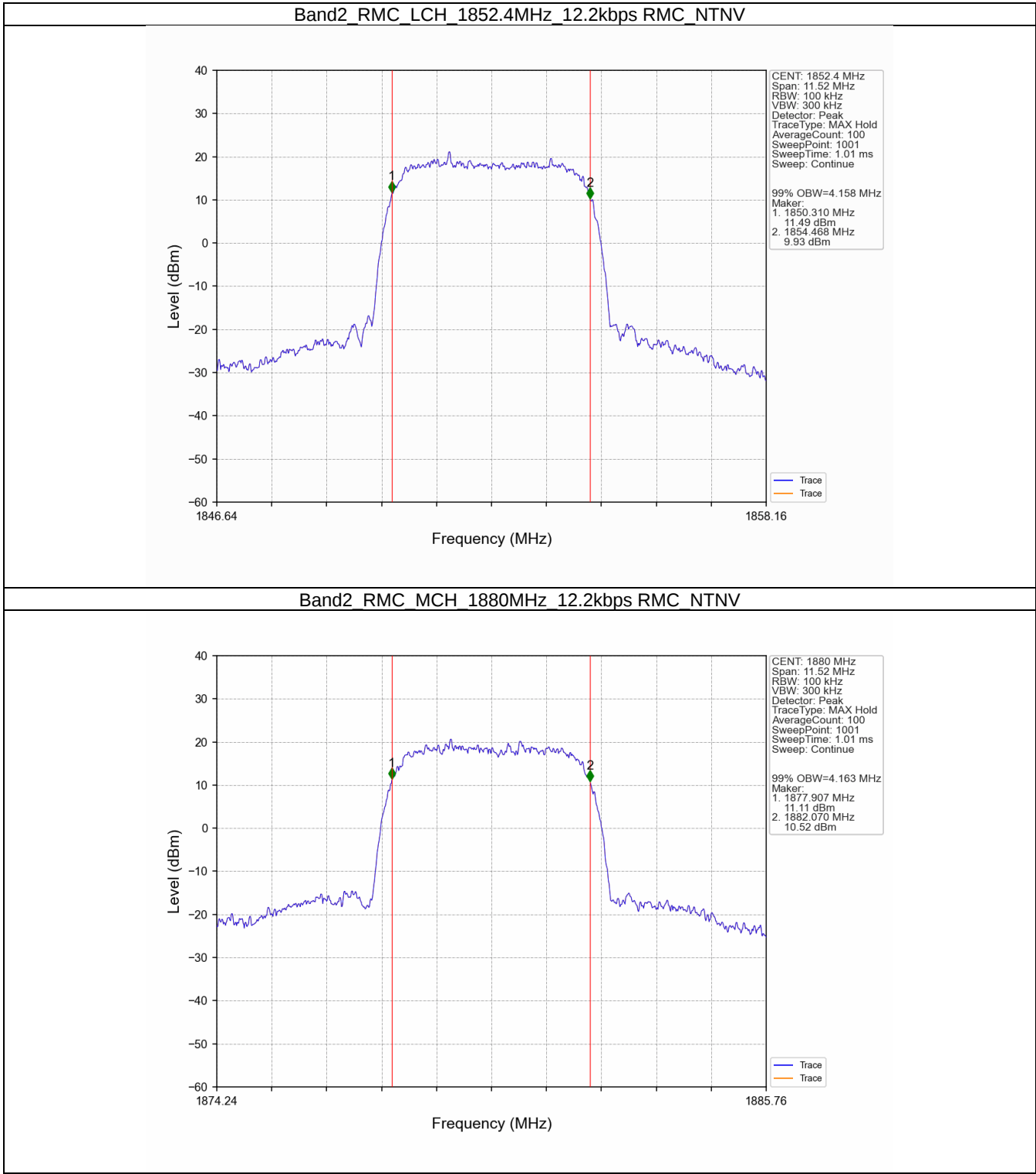
Band: 2						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.158	/	Pass
			1880	4.163	/	Pass
			1907.6	4.174	/	Pass

3.1.2 Band2_XDB

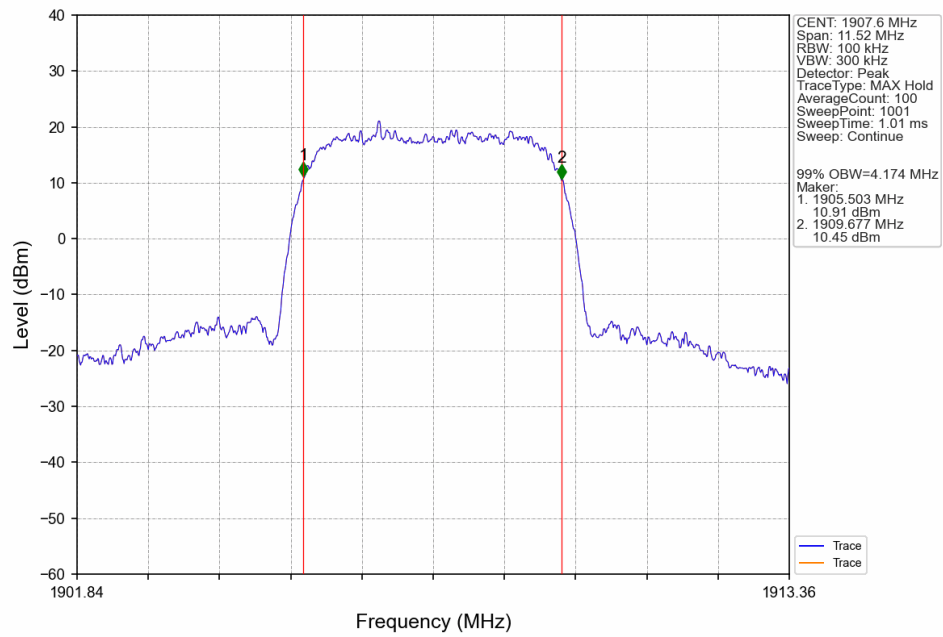
Band: 2						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.727	/	Pass
			1880	4.770	/	Pass
			1907.6	4.752	/	Pass

3.2 Test Graph

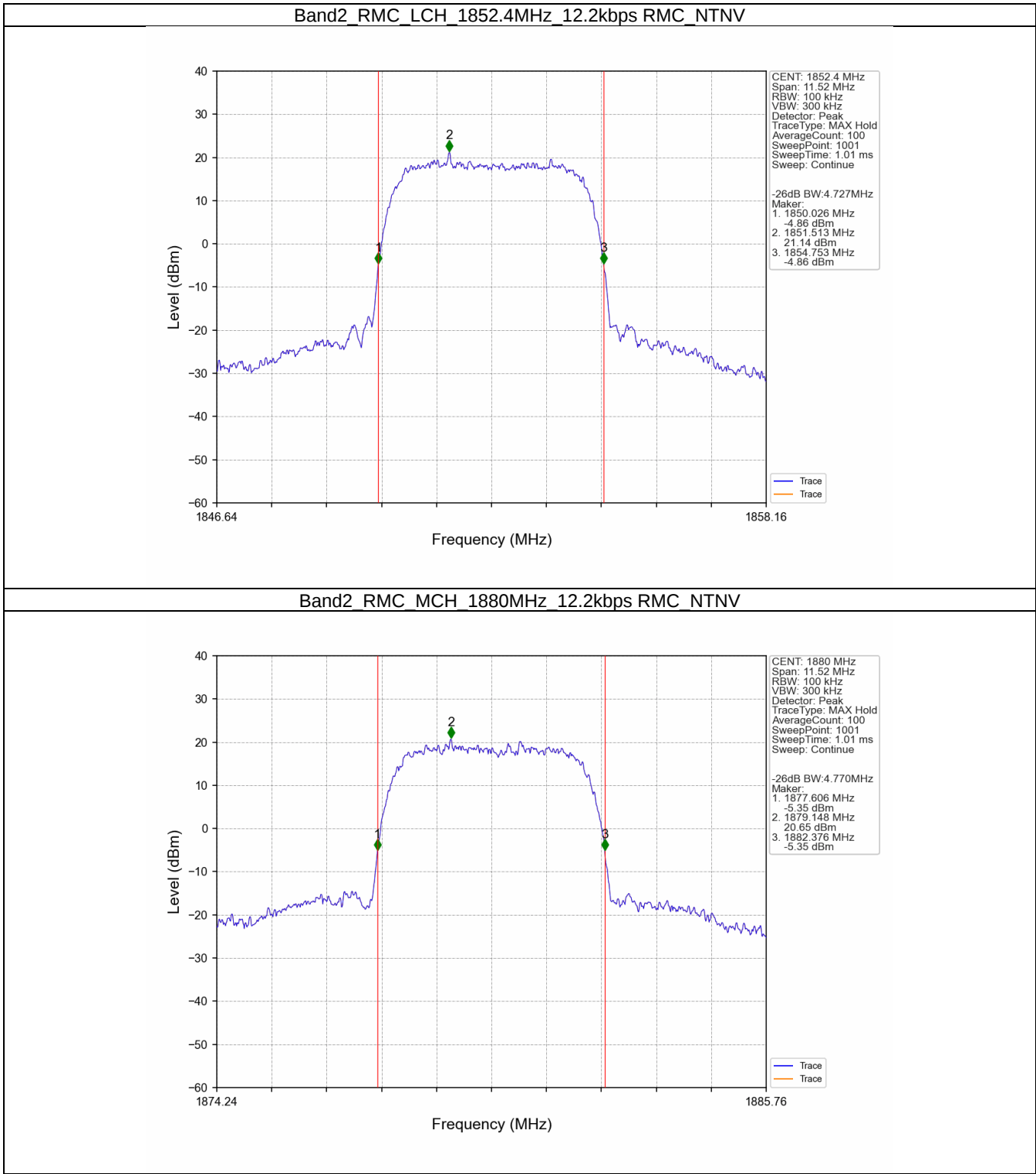
3.2.1 Band2_OBW



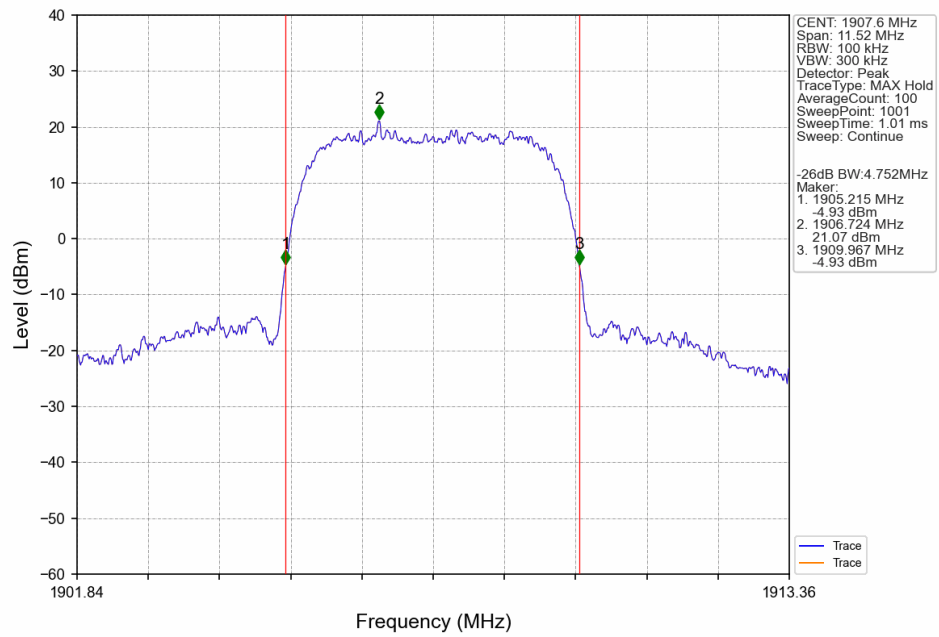
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



3.2.2 Band2_XDB



Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



4. Peak-Average Ratio

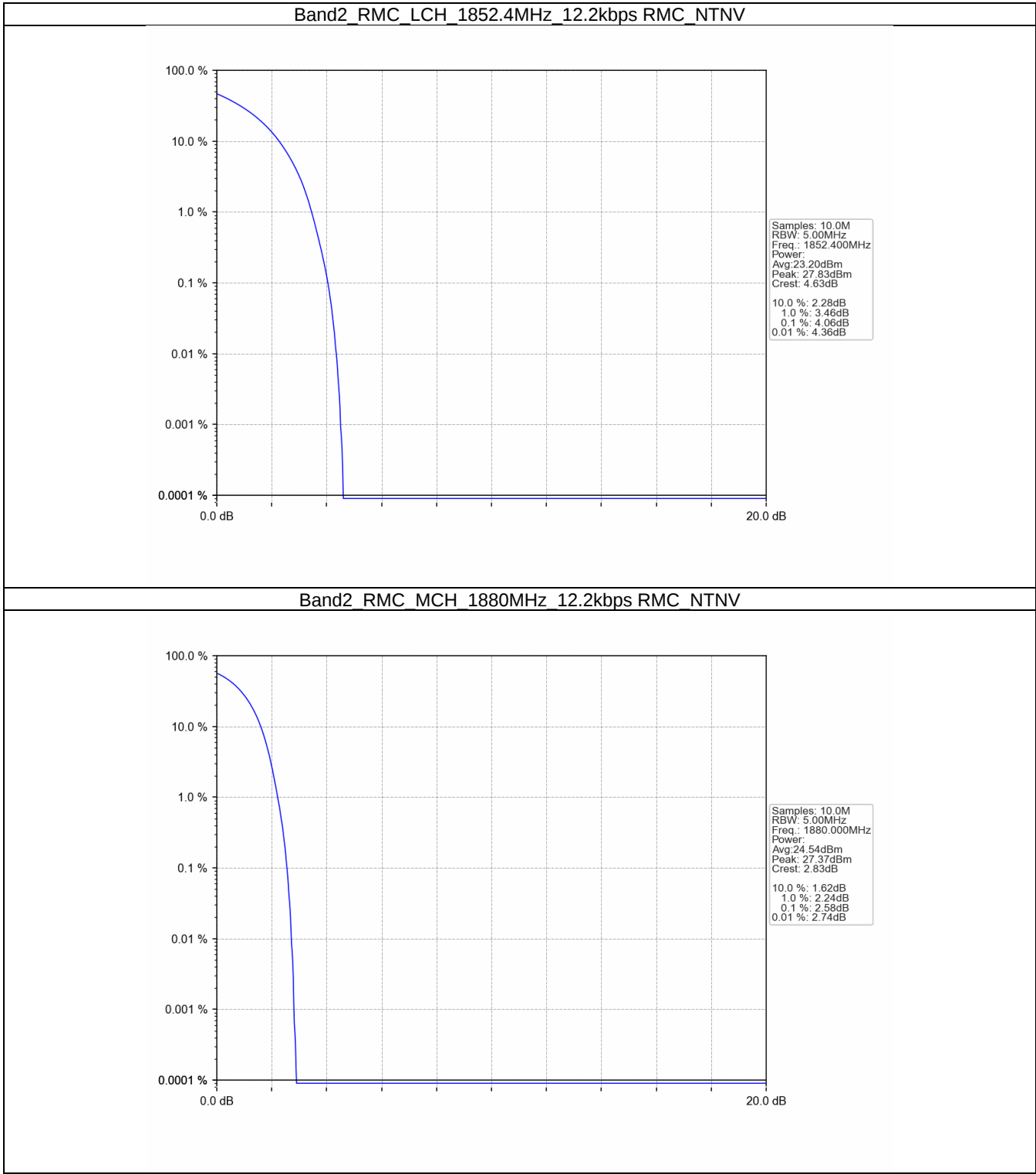
4.1 Test Result

4.1.1 Band2

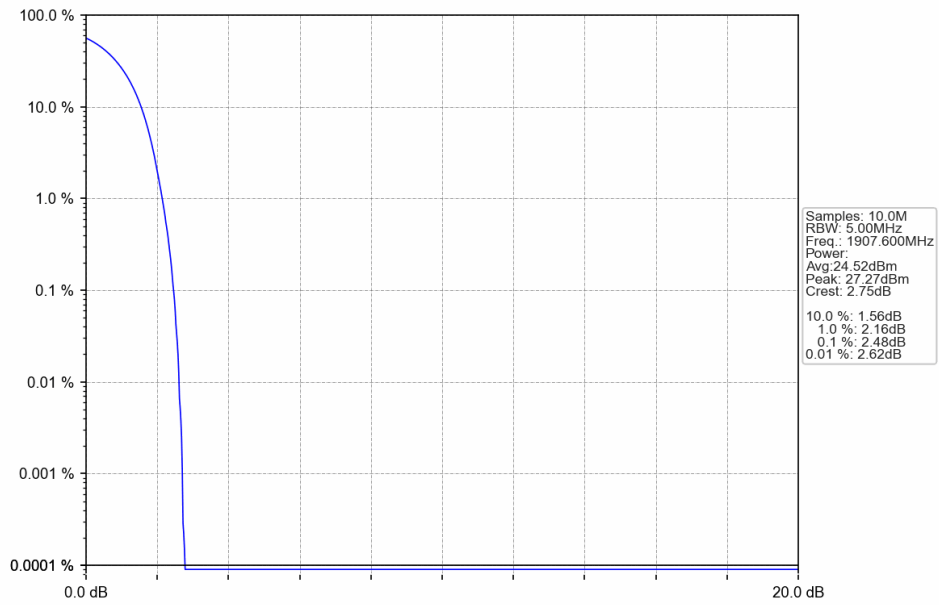
Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.06	<=13	Pass
			1880	2.58	<=13	Pass
			1907.6	2.48	<=13	Pass

4.2 Test Graph

4.2.1 Band2



Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



5. Spurious Emission

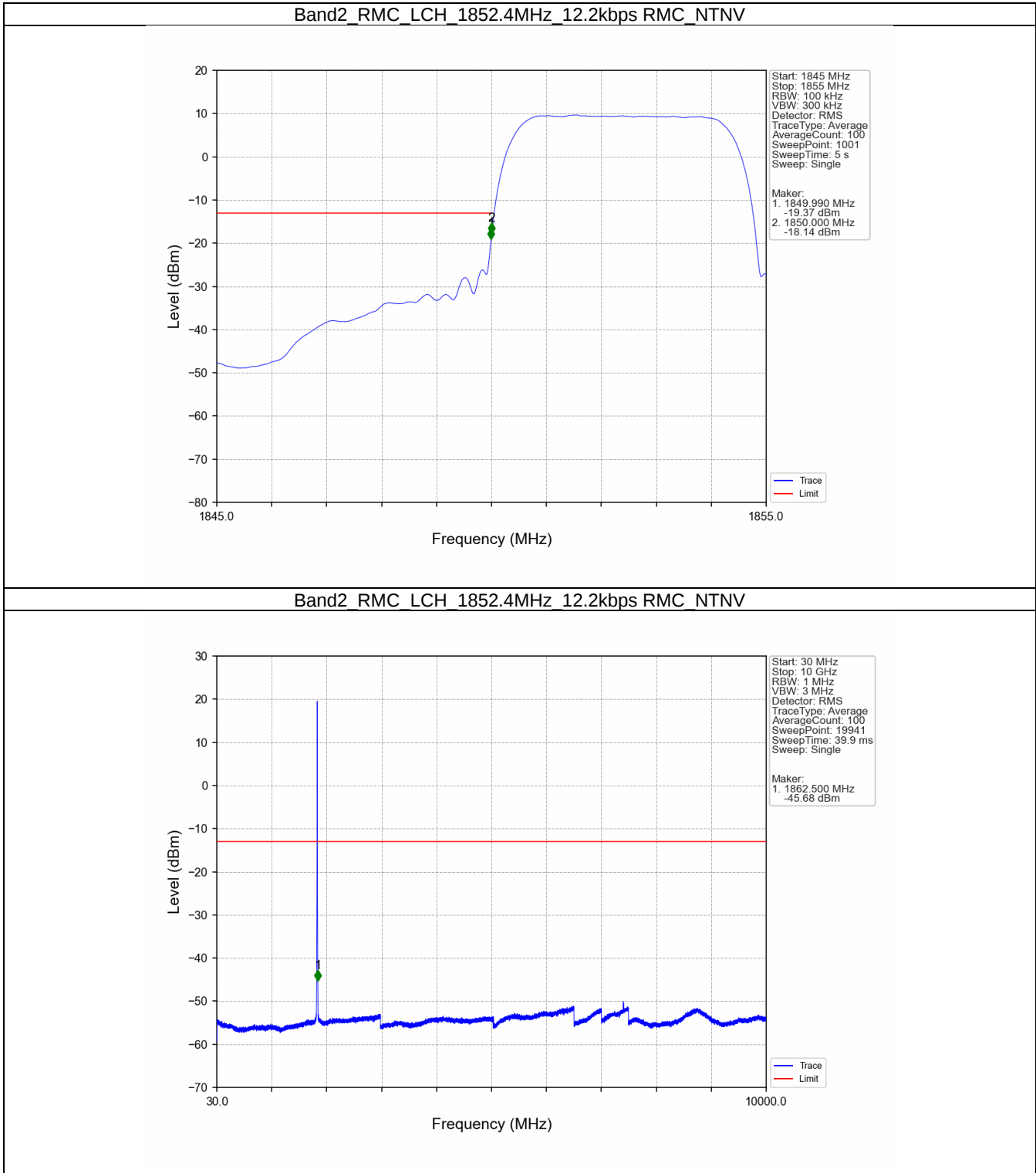
5.1 Test Result

5.1.1 Band2

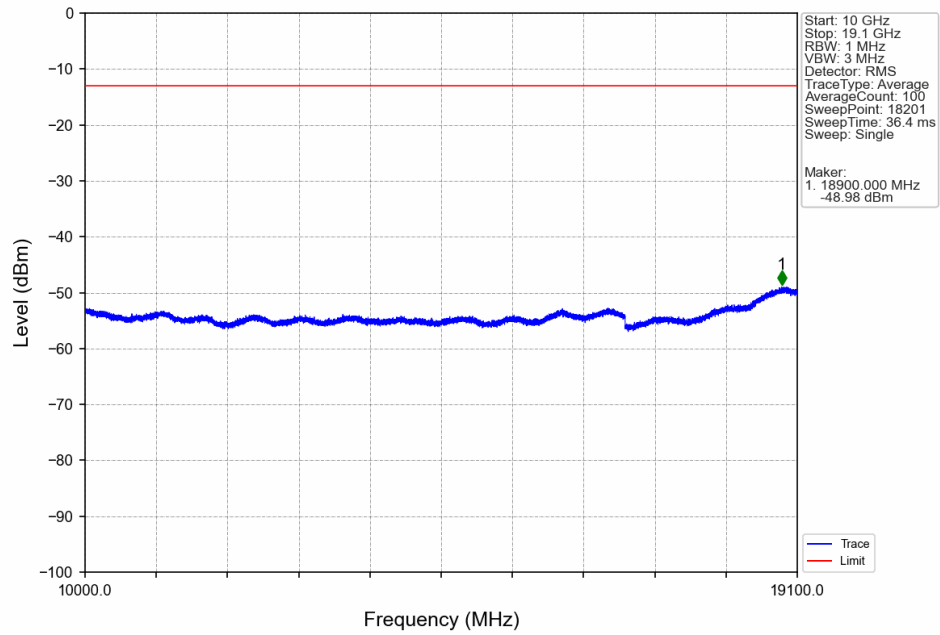
Band: 2						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass

5.2 Test Graph

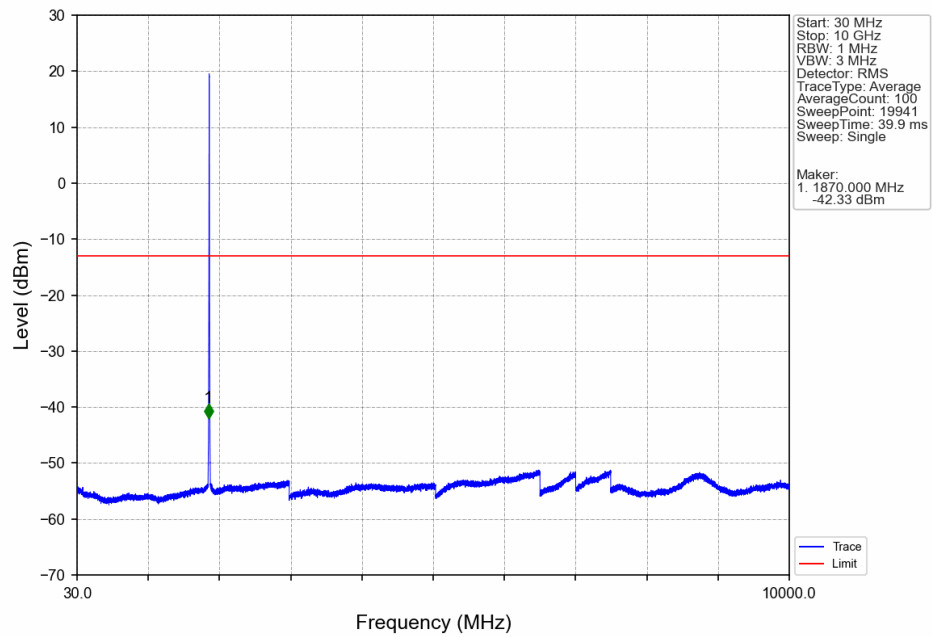
5.2.1 Band2



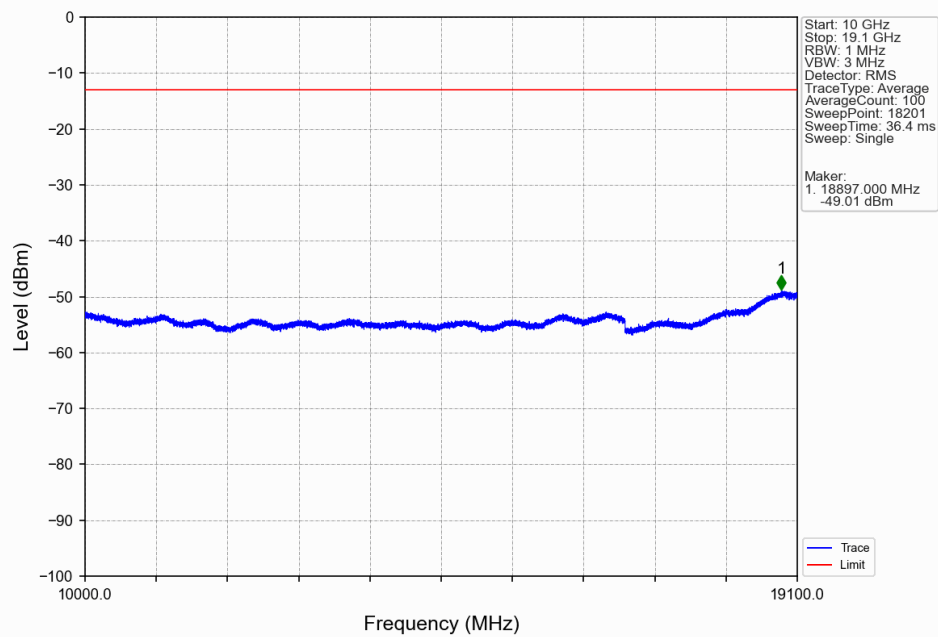
Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



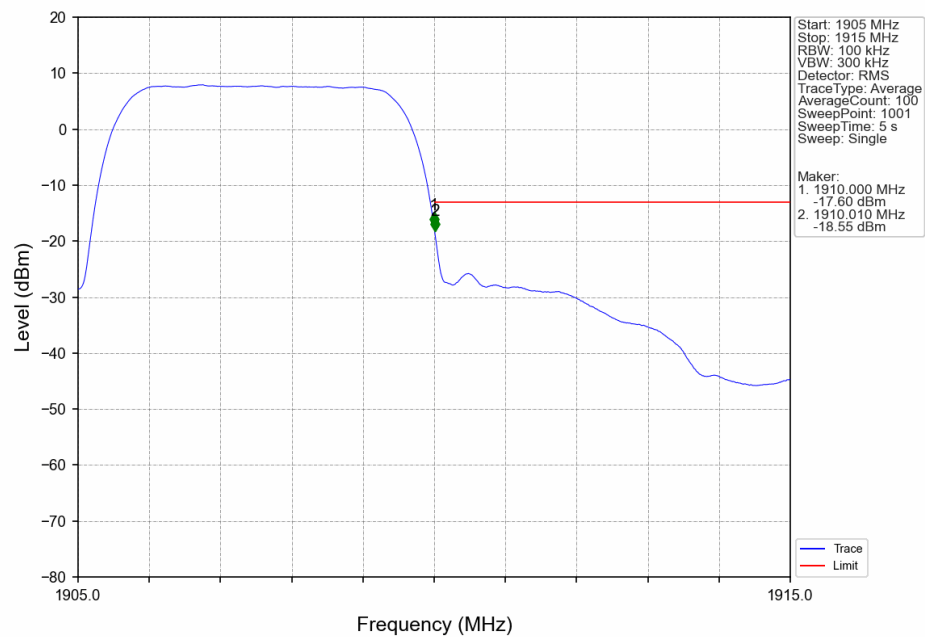
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



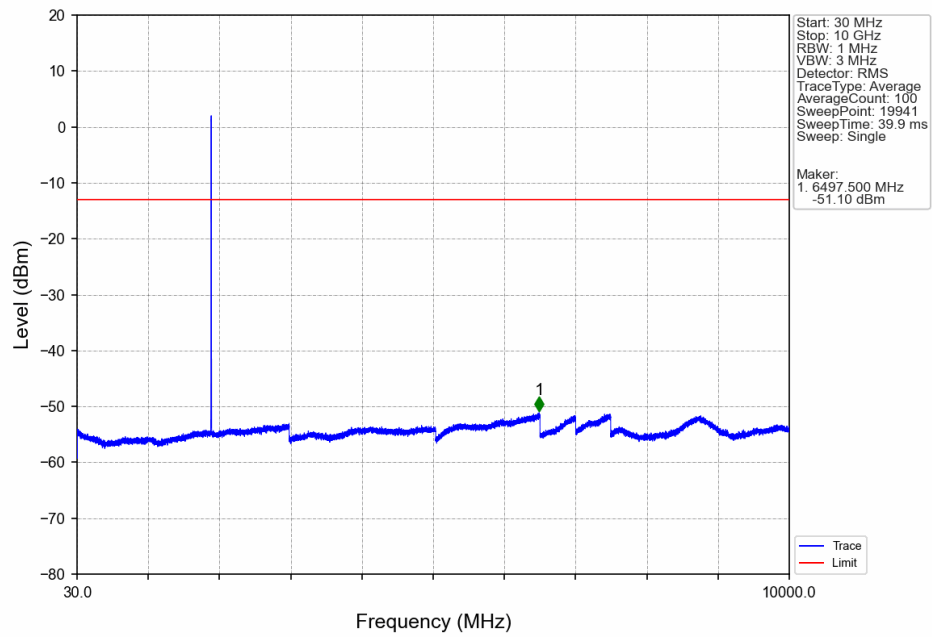
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



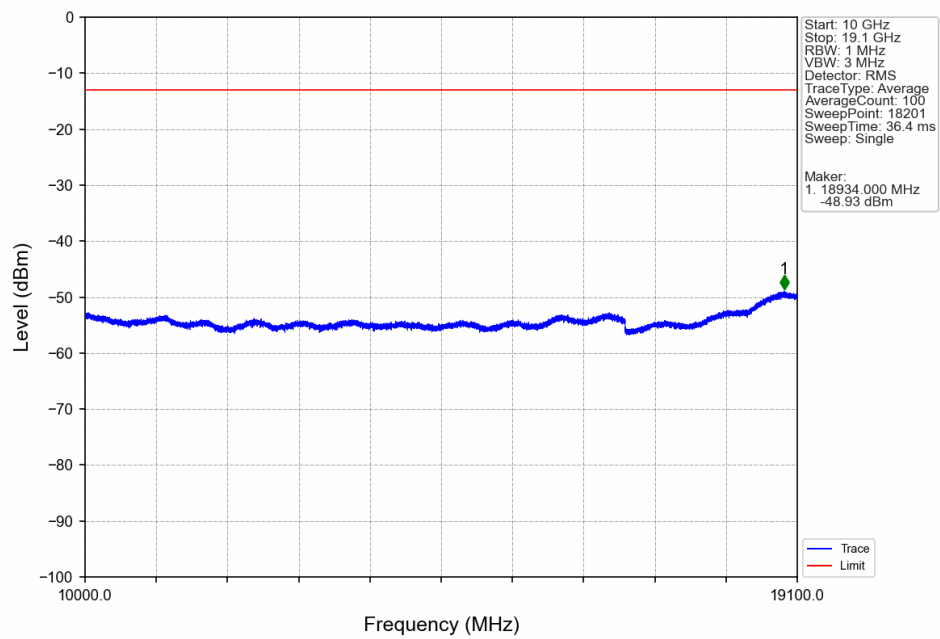
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



6. Field Strength of Spurious Radiation

1.1. Test Band = WCDMA Band II_ TM1

1.1.1. 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	3700.5	56.06	-48.51	28.82	-58.89	-13.00	45.89	Horizontal
2	5537.25	50.49	-47.64	32.61	-59.80	-13.00	46.80	Horizontal
3	7401.75	51.67	-46.17	36.22	-53.54	-13.00	40.54	Horizontal
4	10926	48.23	-40.19	39.45	-47.77	-13.00	34.77	Horizontal
5	13704.75	49.57	-38.02	39.86	-43.85	-13.00	30.85	Horizontal
6	16580.25	53.81	-37.29	38.63	-40.11	-13.00	27.11	Horizontal

1.2. Test Band = WCDMA Band II_ TM1

1.2.1. 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	3726	50.21	-48.42	28.86	-64.61	-13.00	51.61	Vertical
2	5550.75	55.24	-47.66	32.62	-55.06	-13.00	42.06	Vertical
3	7401.75	51.17	-46.17	36.22	-54.04	-13.00	41.04	Vertical
4	9326.25	47.75	-42.92	37.86	-52.58	-13.00	39.58	Vertical
5	11746.5	48.87	-39.76	39.43	-46.72	-13.00	33.72	Vertical
6	14733	49.86	-36.74	40.23	-41.91	-13.00	28.91	Vertical

1.3. Test Band = WCDMA Band II_ TM1

1.3.1. 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	3756	52.78	-48.33	28.91	-61.90	-13.00	48.90	Horizontal
2	5633.25	52.67	-47.63	32.65	-57.57	-13.00	44.57	Horizontal
3	7107.75	50.66	-45.86	35.69	-54.76	-13.00	41.76	Horizontal
4	9131.25	48.06	-43.06	37.58	-52.68	-13.00	39.68	Horizontal
5	12006.75	49.37	-39.43	39.40	-45.93	-13.00	32.93	Horizontal
6	15380.25	51.86	-37.36	39.52	-41.24	-13.00	28.24	Horizontal

1.4. Test Band = WCDMA Band II_ TM1

1.4.1. 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	4126.5	49.38	-48.14	29.50	-64.52	-13.00	51.52	Vertical
2	5633.25	56.99	-47.63	32.65	-53.25	-13.00	40.25	Vertical
3	7605.75	49.73	-44.61	36.38	-53.76	-13.00	40.76	Vertical
4	10942.5	48.64	-40.30	39.46	-47.46	-13.00	34.46	Vertical
5	13687.5	49.64	-38.11	39.83	-43.89	-13.00	30.89	Vertical
6	16901.25	53.02	-36.56	38.76	-40.04	-13.00	27.04	Vertical

1.5. Test Band = WCDMA Band II_ TM1

1.5.1. 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	4279.5	49.09	-47.90	29.75	-64.32	-13.00	51.32	Horizontal
2	5655.75	51.31	-47.58	32.66	-58.87	-13.00	45.87	Horizontal
3	7600.5	49.83	-44.57	36.38	-53.62	-13.00	40.62	Horizontal
4	10017	48.10	-41.73	38.81	-50.08	-13.00	37.08	Horizontal
5	12411.75	49.88	-39.60	39.15	-45.83	-13.00	32.83	Horizontal
6	15192.75	50.70	-36.77	39.85	-41.48	-13.00	28.48	Horizontal

1.6. Test Band = WCDMA Band II_ TM1

1.6.1. 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	4739.25	50.02	-47.98	30.63	-62.59	-13.00	49.59	Vertical
2	7089.75	50.60	-45.91	35.66	-54.91	-13.00	41.91	Vertical
3	9116.25	48.01	-42.95	37.56	-52.64	-13.00	39.64	Vertical
4	12648	49.65	-39.12	39.01	-45.72	-13.00	32.72	Vertical
5	15234	50.97	-37.08	39.78	-41.59	-13.00	28.59	Vertical
6	17932.5	51.34	-36.49	44.40	-36.02	-13.00	23.02	Vertical