

Appendix B.4

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 Band4_EIRP

Band: 4								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	23.42	0.50	23.92	<=30	Pass
			1732.6	23.30	0.50	23.80	<=30	Pass
			1752.6	23.31	0.50	23.81	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 Band4

Band: 4							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1712.4	20	3.27	16.880	0.0099	-2.5 to 2.5	Pass
			3.85	17.481	0.0102	-2.5 to 2.5	Pass
			4.43	16.086	0.0094	-2.5 to 2.5	Pass
		-30	3.85	15.972	0.0093	-2.5 to 2.5	Pass
		-20	3.85	16.444	0.0096	-2.5 to 2.5	Pass
		-10	3.85	15.607	0.0091	-2.5 to 2.5	Pass
		0	3.85	15.485	0.0090	-2.5 to 2.5	Pass
		10	3.85	15.836	0.0092	-2.5 to 2.5	Pass
		30	3.85	15.821	0.0092	-2.5 to 2.5	Pass
		40	3.85	15.206	0.0089	-2.5 to 2.5	Pass
		50	3.85	15.500	0.0091	-2.5 to 2.5	Pass
	1732.6	20	3.27	0.236	0.0001	-2.5 to 2.5	Pass
			3.85	-0.265	-0.0002	-2.5 to 2.5	Pass
			4.43	0.594	0.0003	-2.5 to 2.5	Pass
		-30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
		-20	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
		-10	3.85	0.465	0.0003	-2.5 to 2.5	Pass
		0	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
		10	3.85	0.601	0.0003	-2.5 to 2.5	Pass
		30	3.85	0.107	0.0001	-2.5 to 2.5	Pass
		40	3.85	0.122	0.0001	-2.5 to 2.5	Pass
		50	3.85	0.329	0.0002	-2.5 to 2.5	Pass
	1752.6	20	3.27	-14.555	-0.0083	-2.5 to 2.5	Pass
			3.85	-14.105	-0.0080	-2.5 to 2.5	Pass
			4.43	-13.776	-0.0079	-2.5 to 2.5	Pass
		-30	3.85	-13.497	-0.0077	-2.5 to 2.5	Pass

		-20	3.85	-13.597	-0.0078	-2.5 to 2.5	Pass
		-10	3.85	-13.161	-0.0075	-2.5 to 2.5	Pass
		0	3.85	-12.968	-0.0074	-2.5 to 2.5	Pass
		10	3.85	-13.962	-0.0080	-2.5 to 2.5	Pass
		30	3.85	-13.390	-0.0076	-2.5 to 2.5	Pass
		40	3.85	-13.132	-0.0075	-2.5 to 2.5	Pass
		50	3.85	-13.454	-0.0077	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

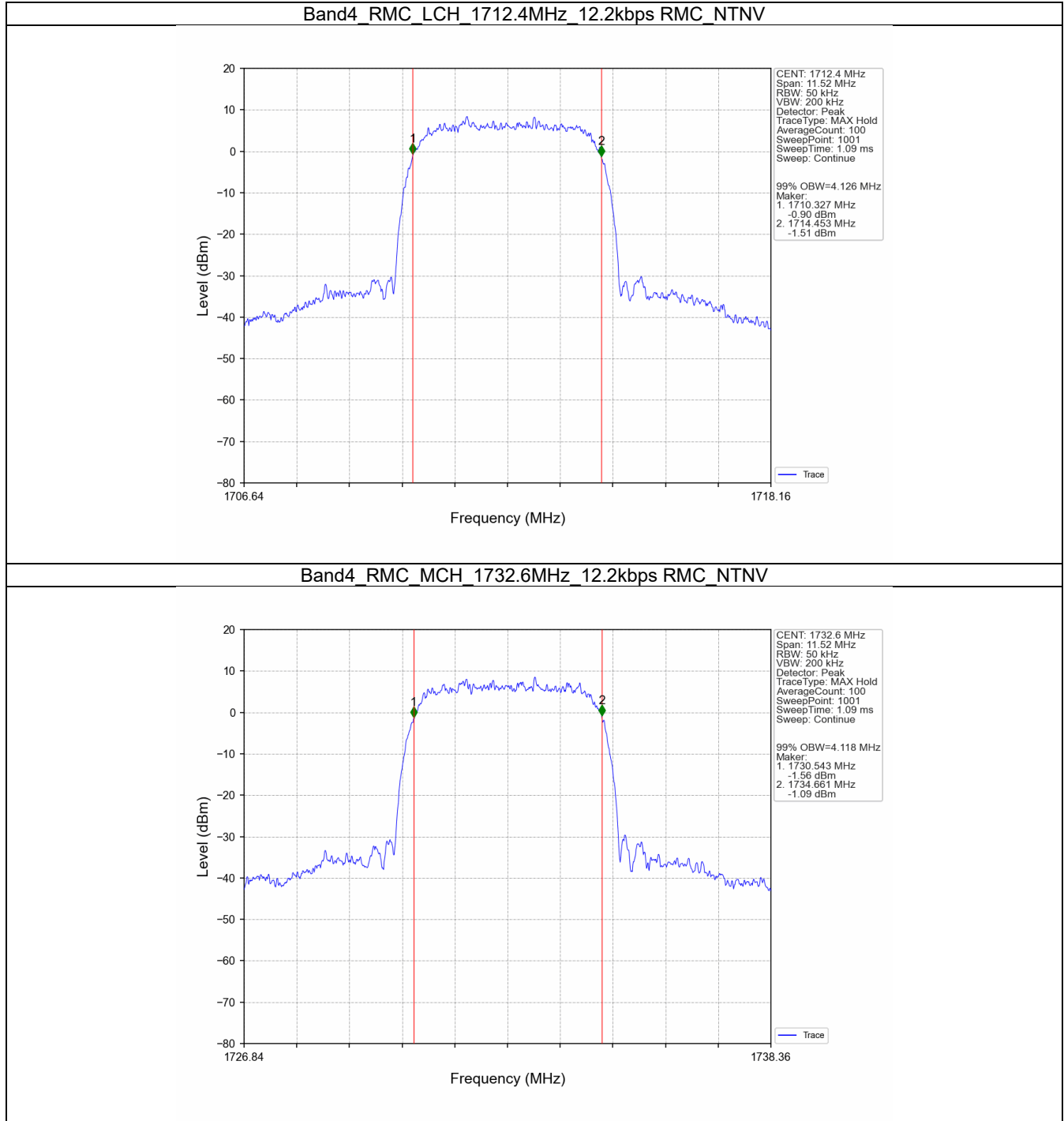
Band: 4						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.126	/	Pass
			1732.6	4.118	/	Pass
			1752.6	4.134	/	Pass

3.1.2 Band4_XDB

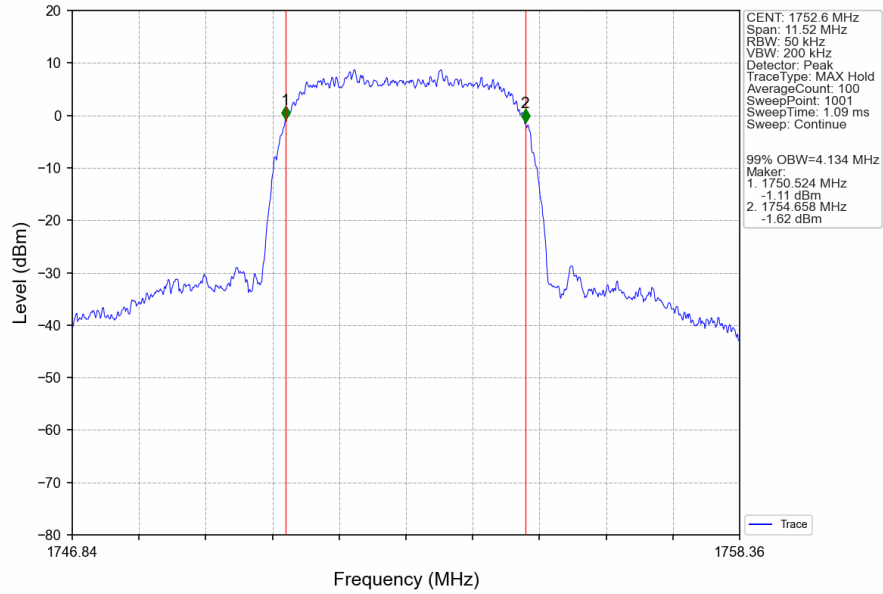
Band: 4						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.703	/	Pass
			1732.6	4.702	/	Pass
			1752.6	4.711	/	Pass

3.2 Test Graph

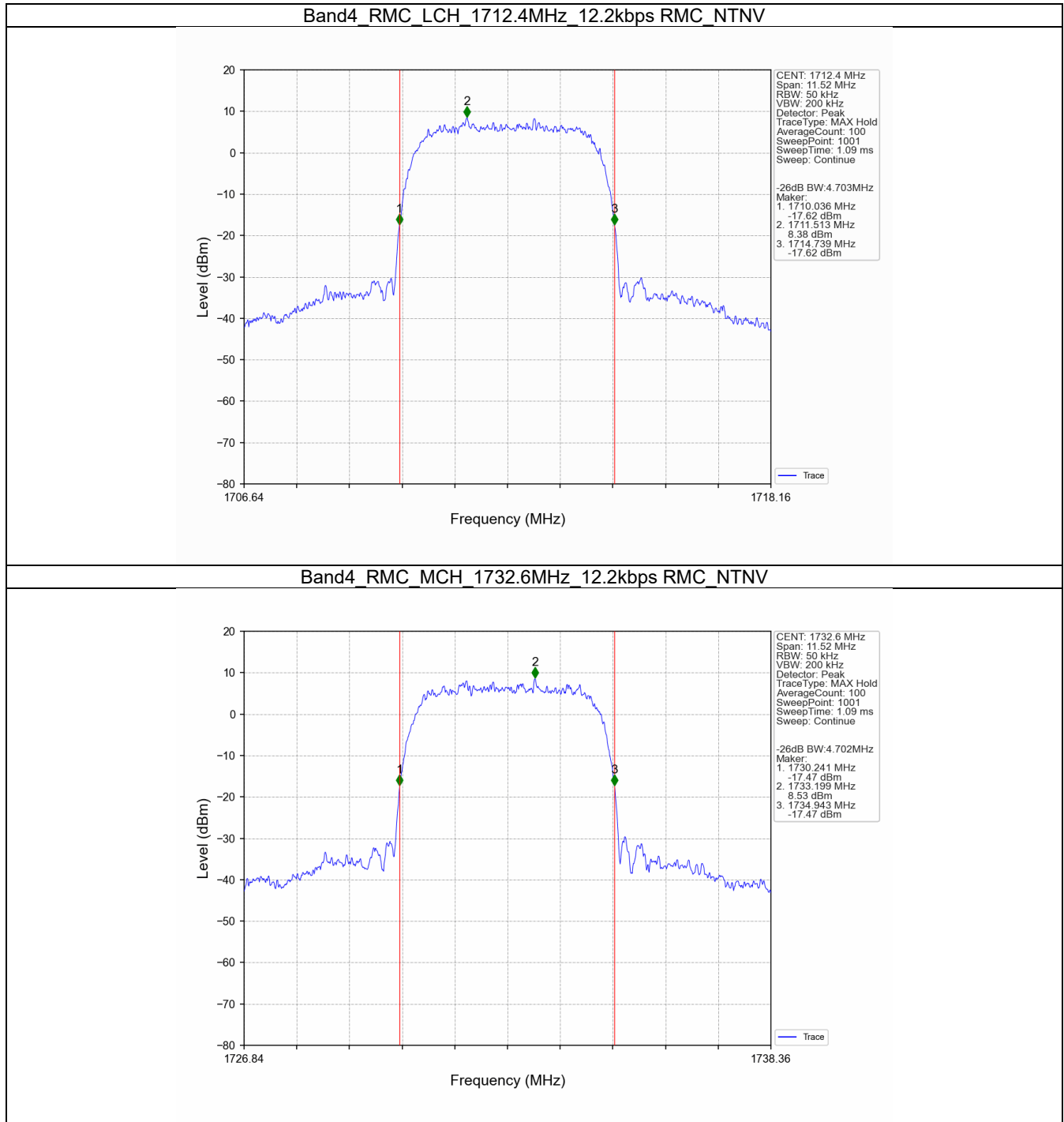
3.2.1 Band4_OBW



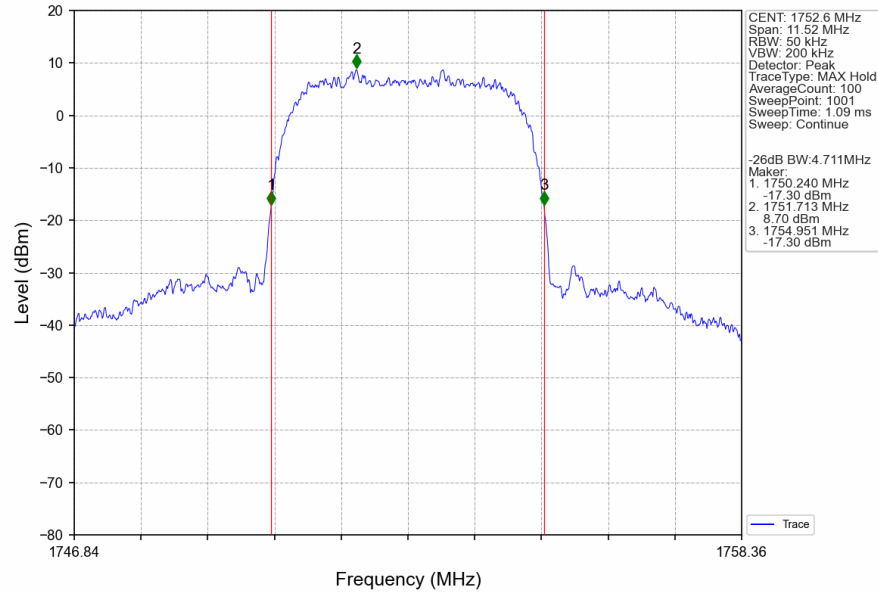
Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV



3.2.2 Band4_XDB



Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV



4. Peak-Average Ratio

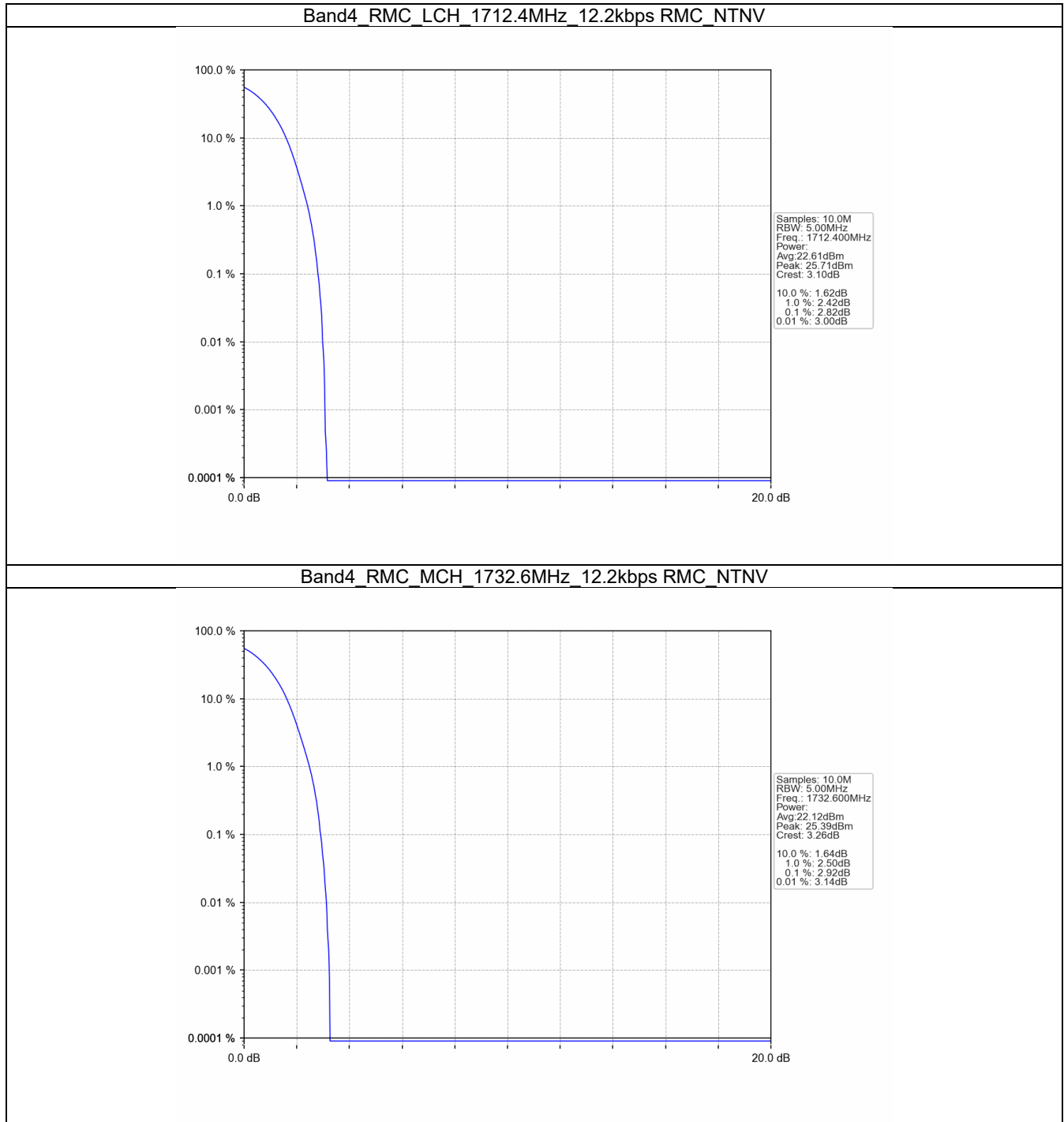
4.1 Test Result

4.1.1 Band4

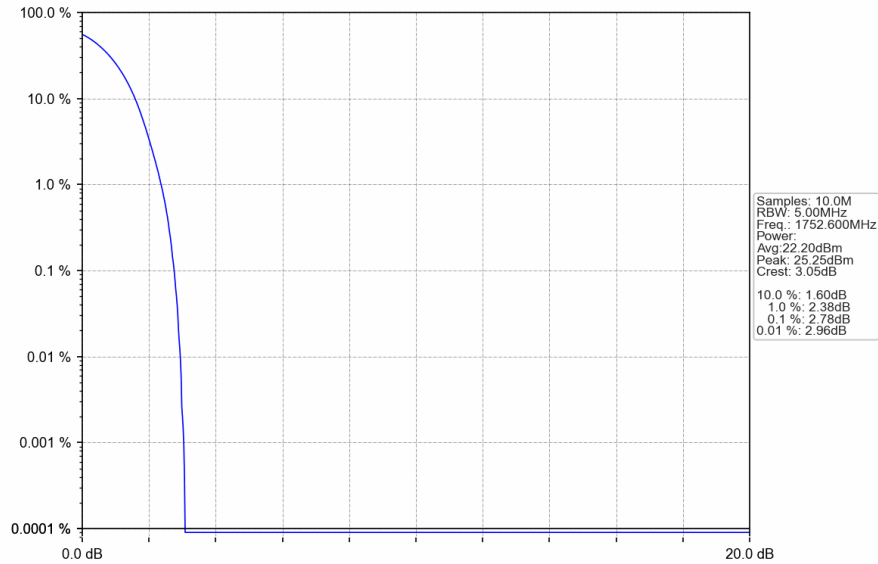
Band: 4						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	2.82	≤ 13	Pass
			1732.6	2.92	≤ 13	Pass
			1752.6	2.78	≤ 13	Pass

4.2 Test Graph

4.2.1 Band4



Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV



5. Spurious Emission

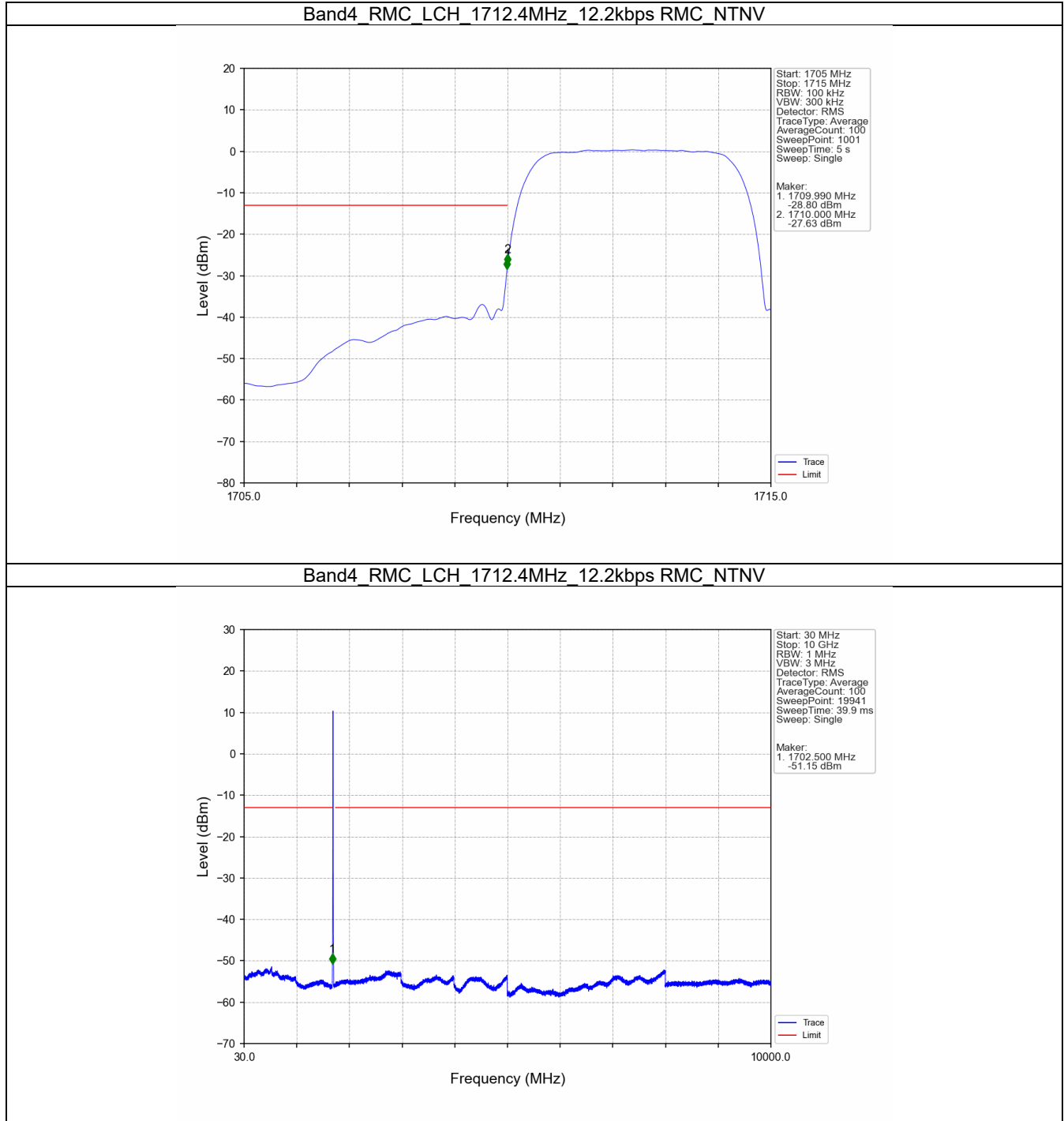
5.1 Test Result

5.1.1 Band4

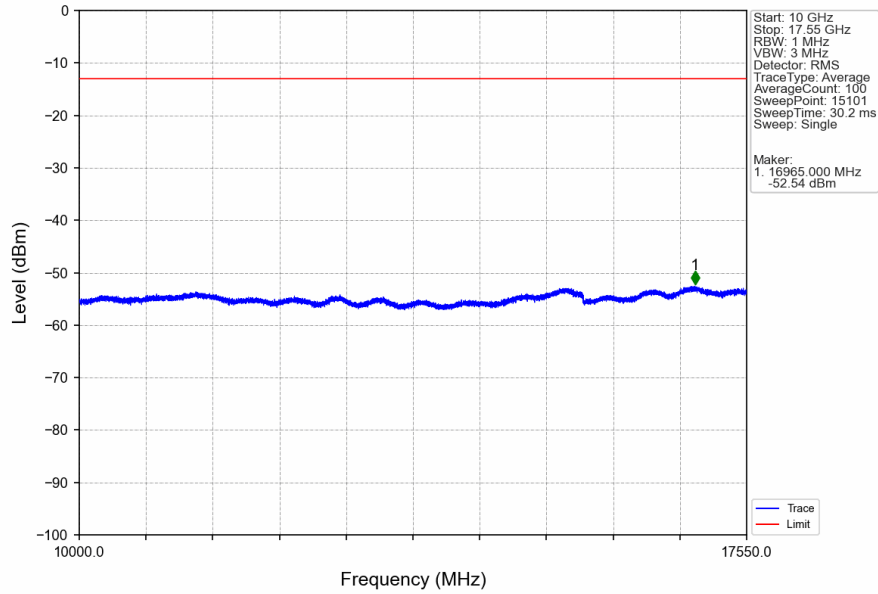
Band: 4						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	Refer To Test Graph		Pass
			1732.6	Refer To Test Graph		Pass
			1752.6	Refer To Test Graph		Pass

5.2 Test Graph

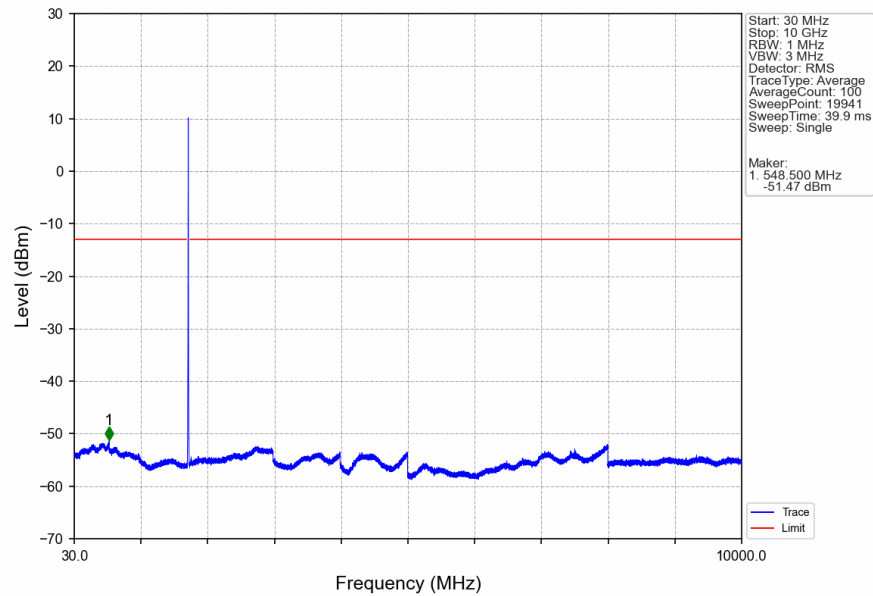
5.2.1 Band4



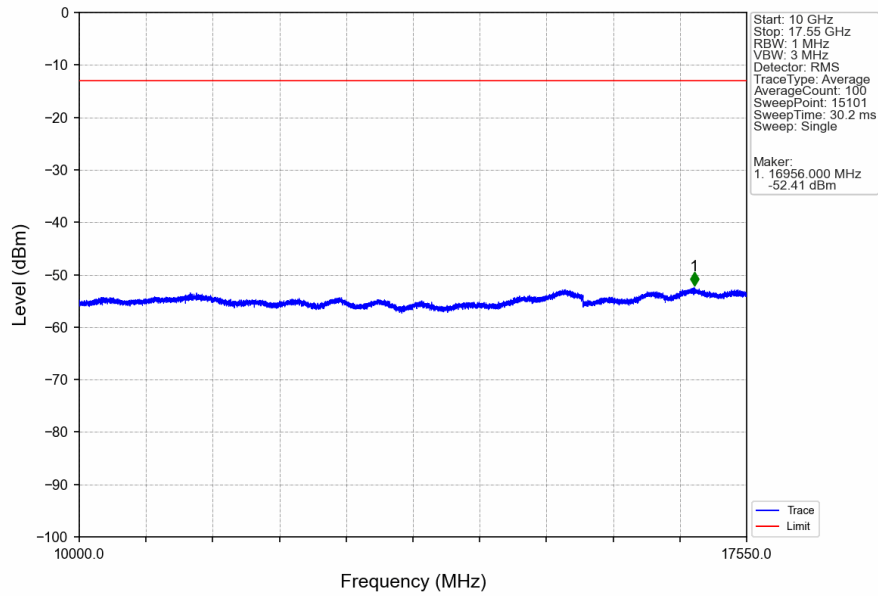
Band4_RMC_LCH_1712.4MHz_12.2kbps RMC_NTNV



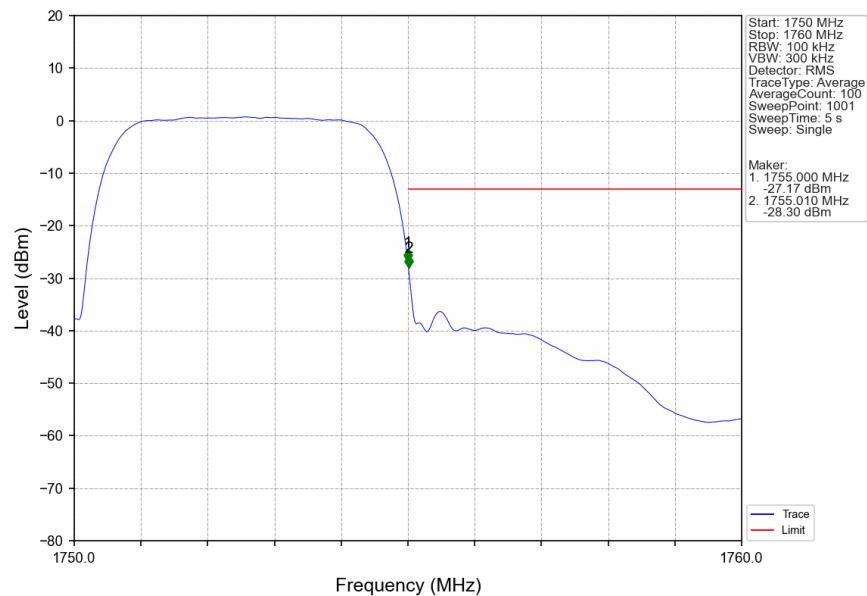
Band4_RMC_MCH_1732.6MHz_12.2kbps RMC_NTNV



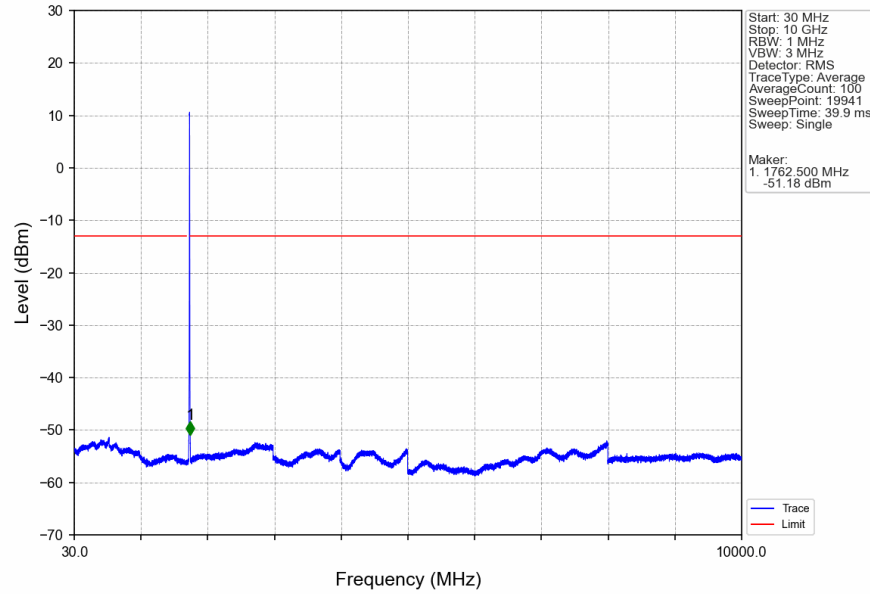
Band4_RMC_MCH_1732.6MHz_12.2kbps RMC_NTNV



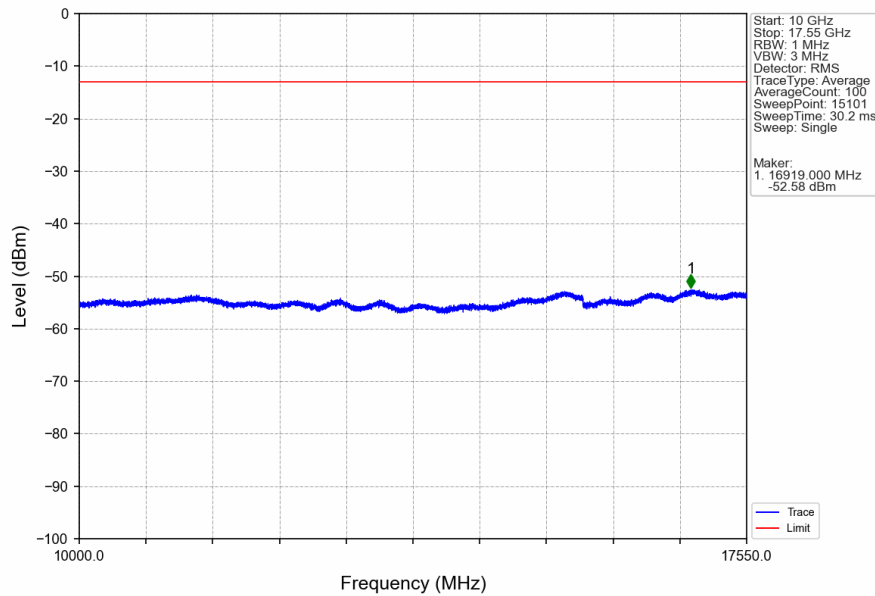
Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV



Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV



Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV



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