

1. Effective (Isotropic) Radiated Power Output Data

1.1 Band IV_EIRP(ANT41)

1.1.1 Test Result

Band IV								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	23.89	-1.70	22.19	<=30	Pass
			1732.6	24.13	-1.70	22.43	<=30	Pass
			1752.6	24.12	-1.70	22.42	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Band IV

2.1.1 Test Result

Band IV							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1712.4	20	3.6	6.540	0.0038	/	Pass
			3.86	6.305	0.0037	/	Pass
			4.3	6.546	0.0038	/	Pass
		-30	3.86	6.363	0.0037	/	Pass
		-20	3.86	6.781	0.0040	/	Pass
		-10	3.86	7.190	0.0042	/	Pass
		0	3.86	6.678	0.0039	/	Pass
		10	3.86	6.470	0.0038	/	Pass
		30	3.86	6.551	0.0038	/	Pass
		40	3.86	7.017	0.0041	/	Pass
		50	3.86	6.580	0.0038	/	Pass
	1732.6	20	3.6	-2.845	-0.0016	/	Pass
			3.86	-2.613	-0.0015	/	Pass
			4.3	-2.668	-0.0015	/	Pass
		-30	3.86	-2.742	-0.0016	/	Pass
		-20	3.86	-2.218	-0.0013	/	Pass
		-10	3.86	-2.685	-0.0015	/	Pass
		0	3.86	-2.511	-0.0014	/	Pass
		10	3.86	-2.649	-0.0015	/	Pass
		30	3.86	-2.852	-0.0016	/	Pass
		40	3.86	-2.877	-0.0017	/	Pass
		50	3.86	-2.027	-0.0012	/	Pass
	1752.6	20	3.6	-3.705	-0.0021	/	Pass
			3.86	-3.943	-0.0022	/	Pass
			4.3	-3.772	-0.0022	/	Pass
		-30	3.86	-4.304	-0.0025	/	Pass
		-20	3.86	-4.084	-0.0023	/	Pass
		-10	3.86	-4.197	-0.0024	/	Pass
		0	3.86	-4.194	-0.0024	/	Pass
		10	3.86	-4.208	-0.0024	/	Pass
		30	3.86	-4.284	-0.0024	/	Pass
		40	3.86	-4.447	-0.0025	/	Pass

		50	3.85	-4.178	-0.0024	-2.5 to 2.5	Pass
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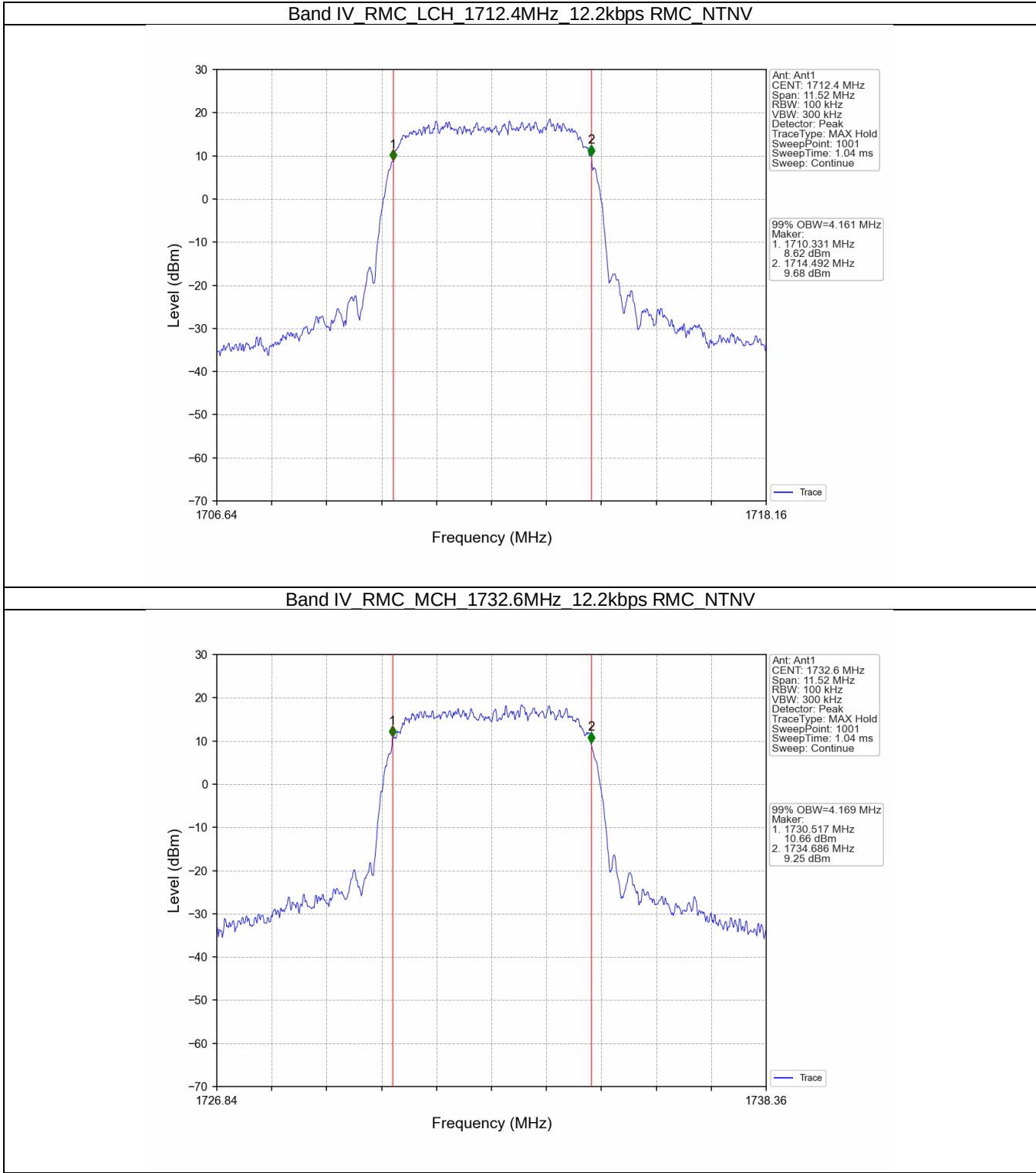
3. 99% & 26dB Bandwidth

3.1 Band IV_OBW

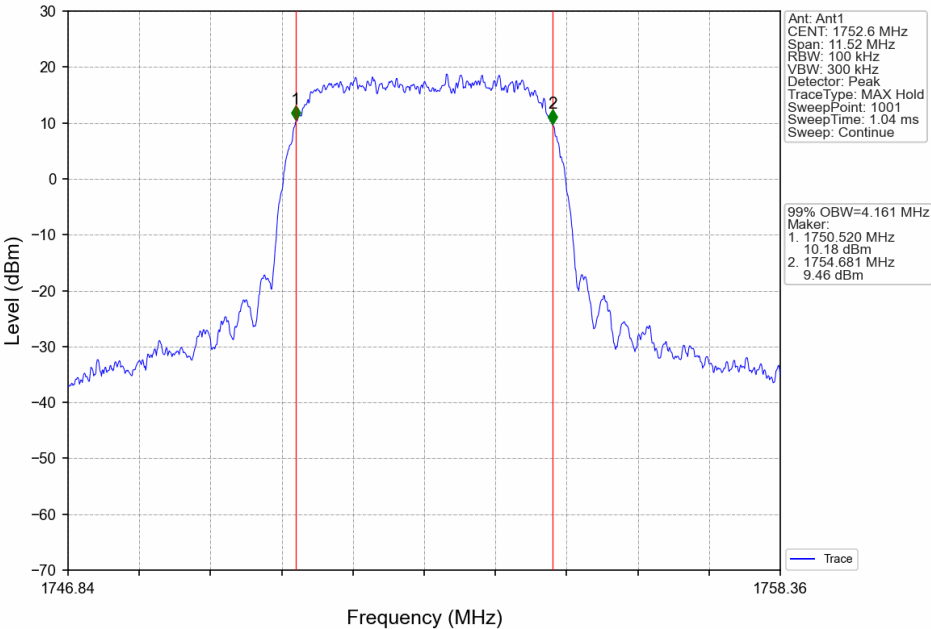
3.1.1 Test Result

Band IV						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.161	/	Pass
			1732.6	4.169	/	Pass
			1752.6	4.161	/	Pass

3.1.2 Test Graph



Band IV RMC HCH 1752.6MHz 12.2kbps RMC NTN

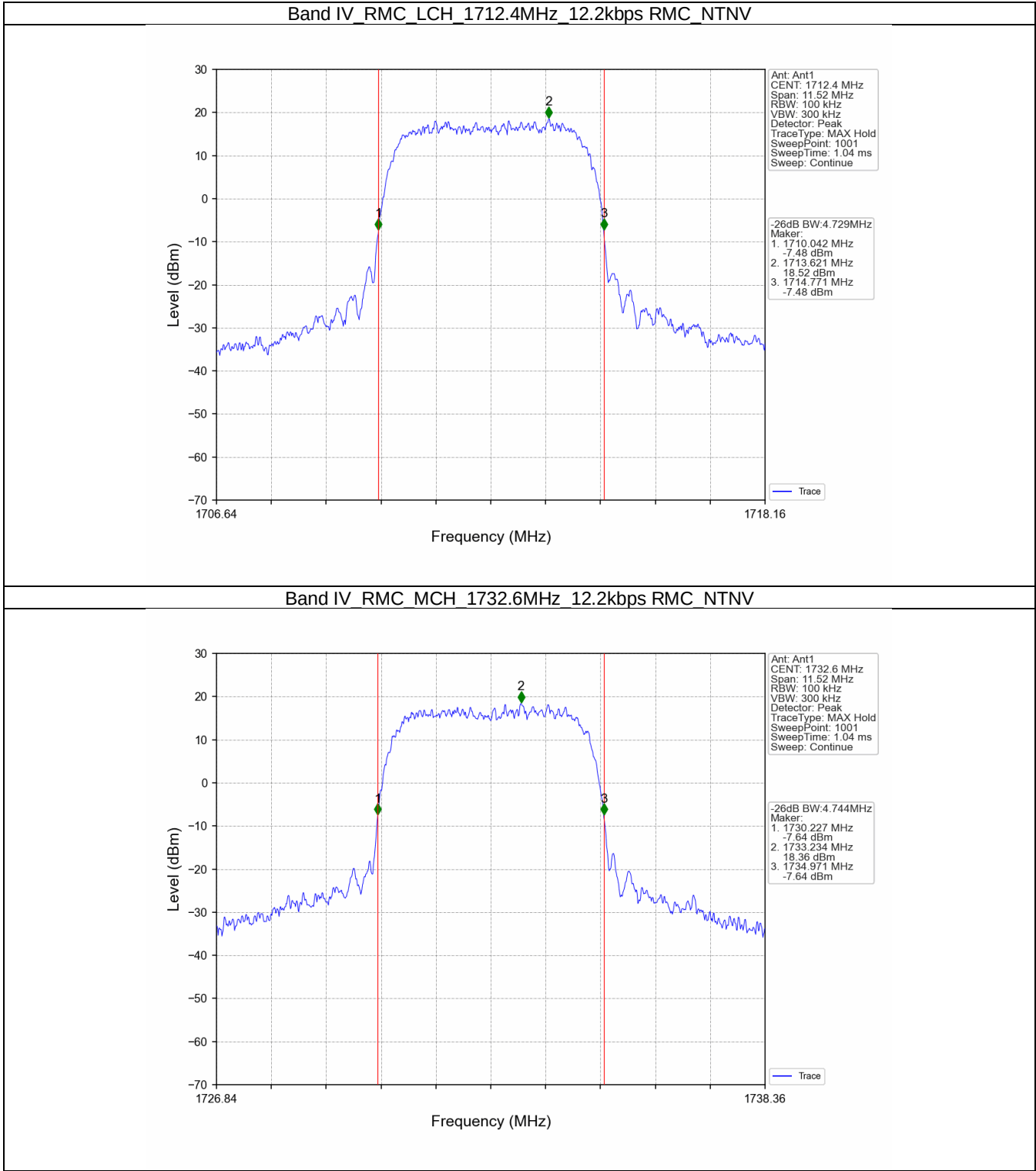


3.2 Band IV_XDB

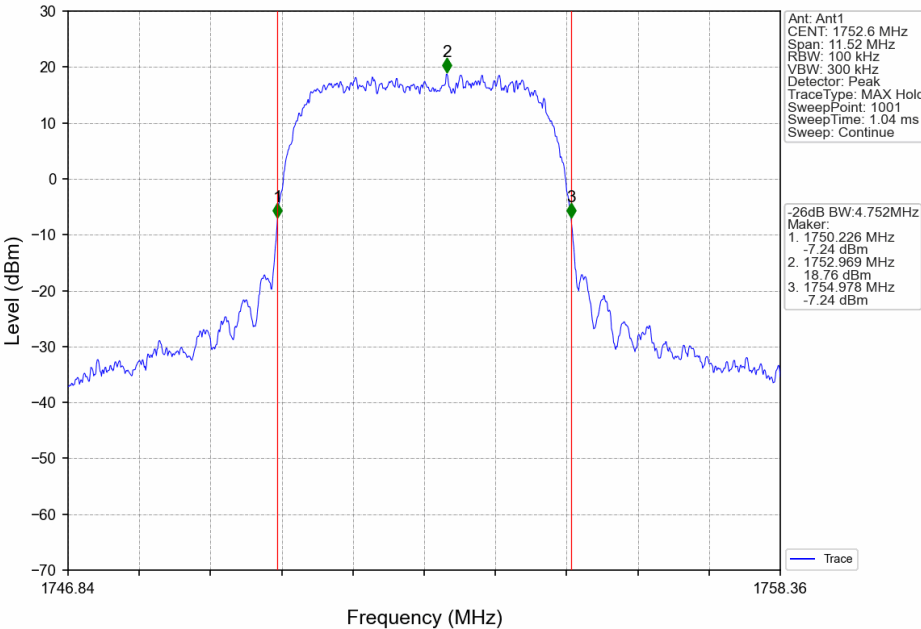
3.2.1 Test Result

Band IV						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.729	/	Pass
			1732.6	4.744	/	Pass
			1752.6	4.752	/	Pass

3.2.2 Test Graph



Band IV RMC HCH 1752.6MHz 12.2kbps RMC NTN



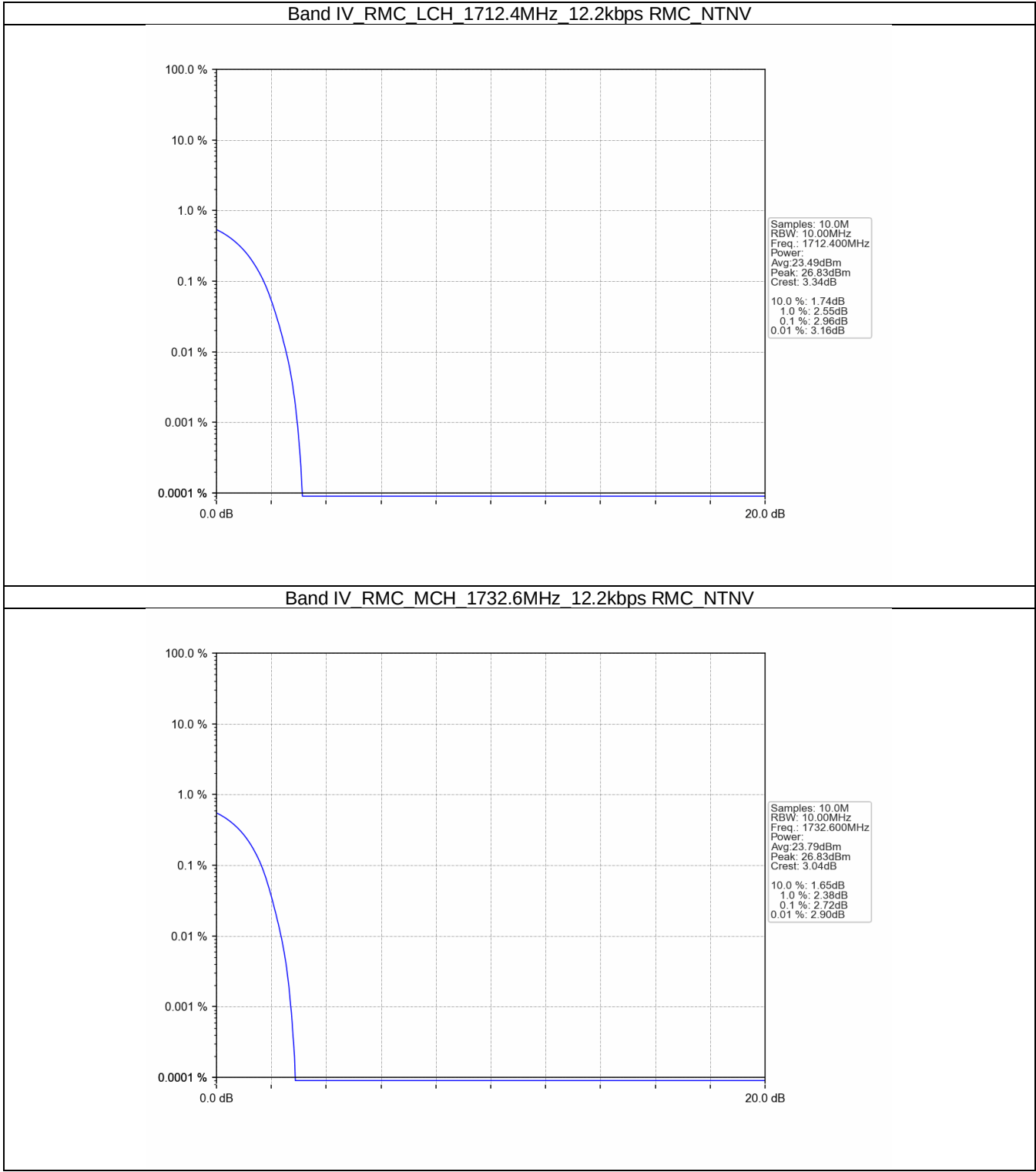
4. Peak-Average Ratio

4.1 Band IV

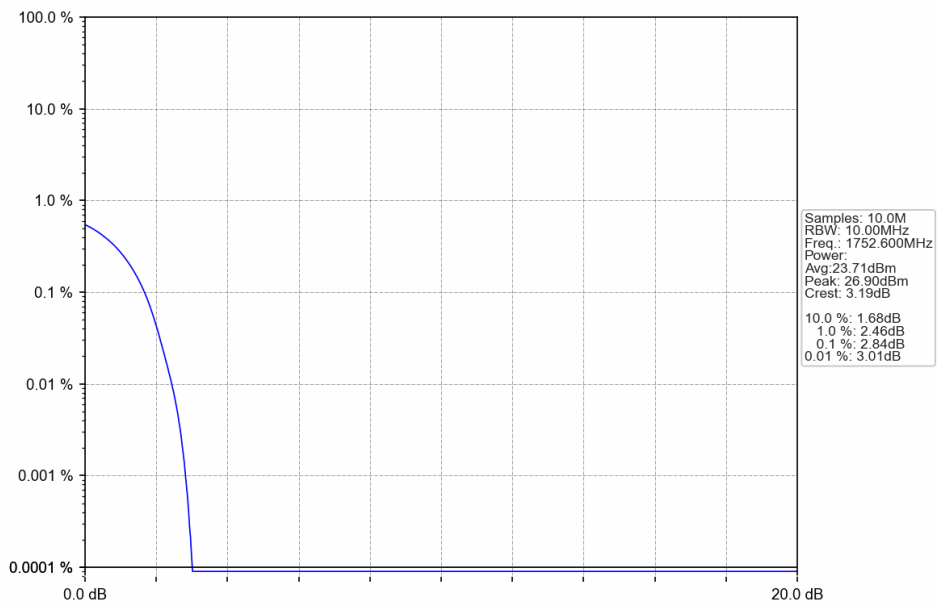
4.1.1 Test Result

Band IV						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	2.96	<=13	Pass
			1732.6	2.72	<=13	Pass
			1752.6	2.84	<=13	Pass

4.1.2 Test Graph



Band IV RMC HCH 1752.6MHz 12.2kbps RMC NTN



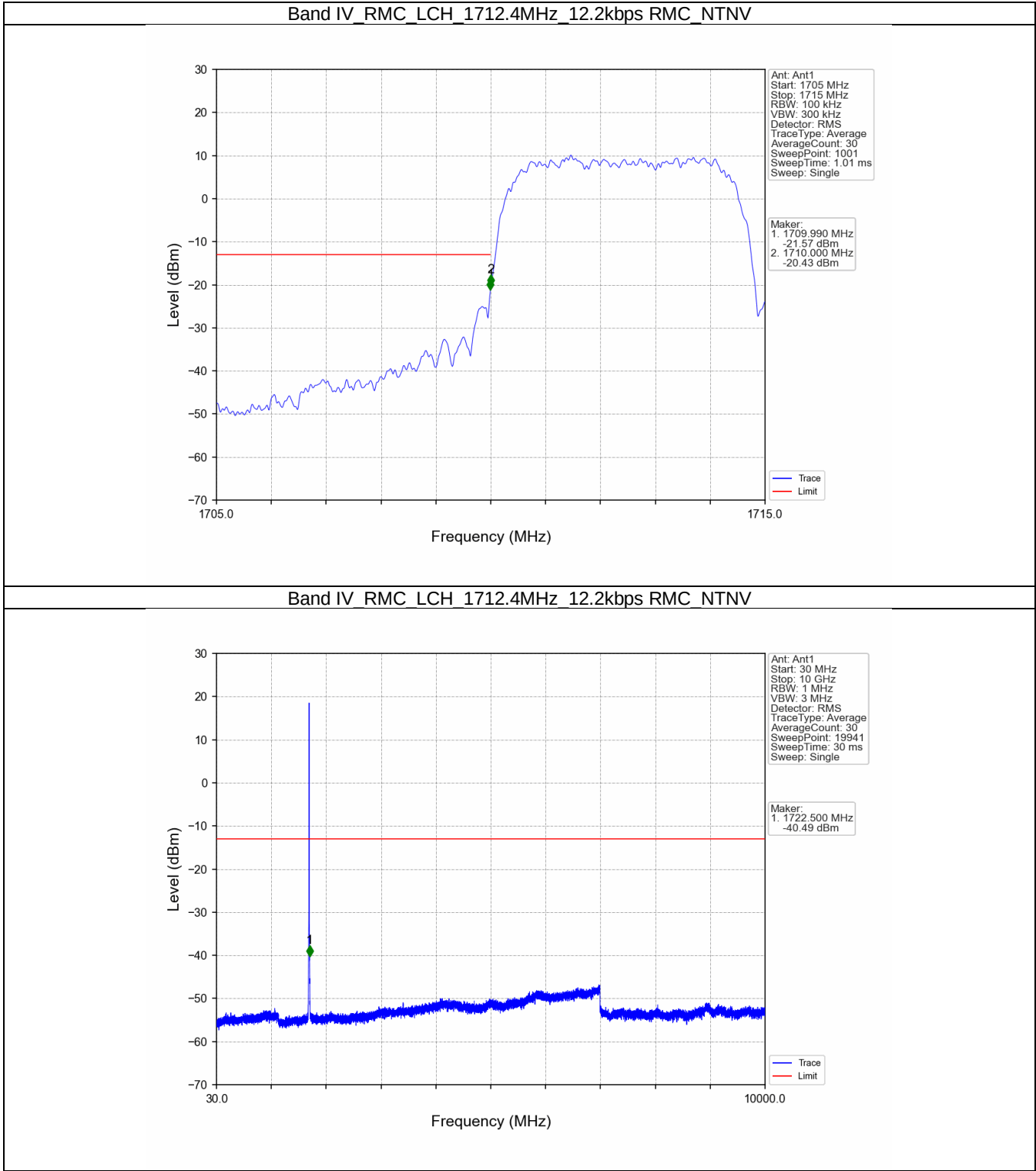
5. Spurious Emission & Band Edges

5.1 Band IV

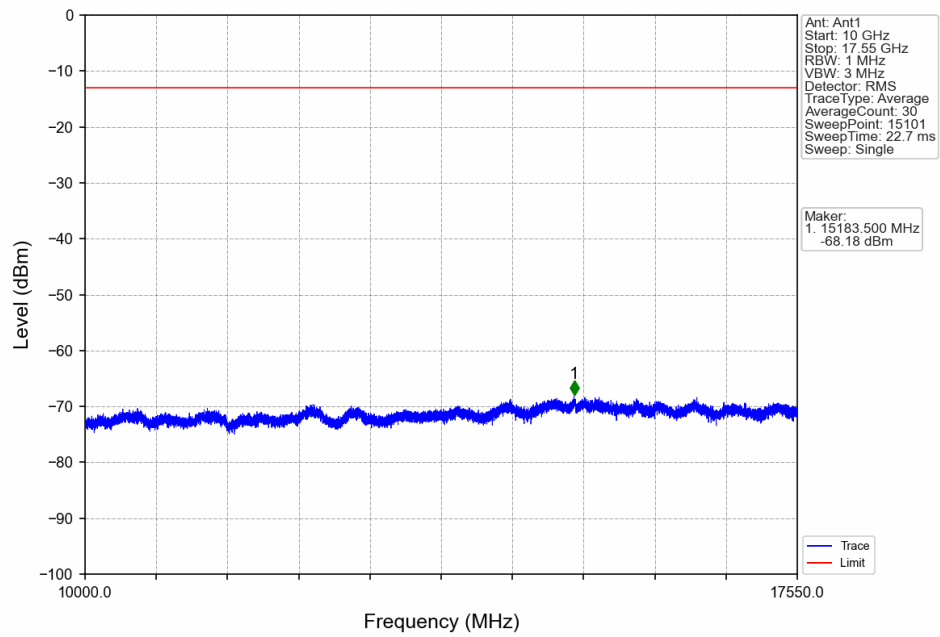
5.1.1 Test Result

Band IV					
ENV	Mode		Frequency (MHz)	Spurious Emission	
	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

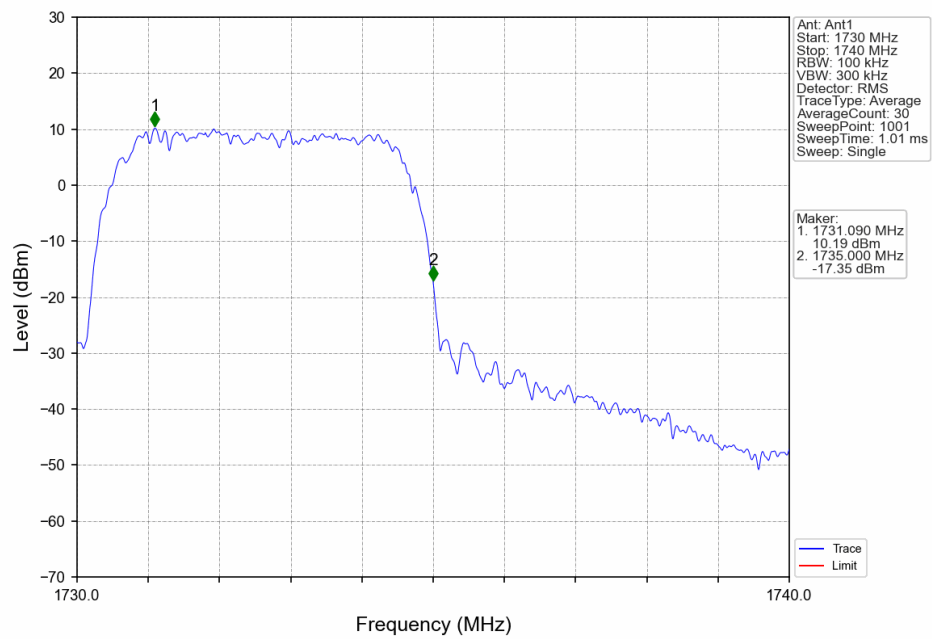
5.1.2 Test Graph



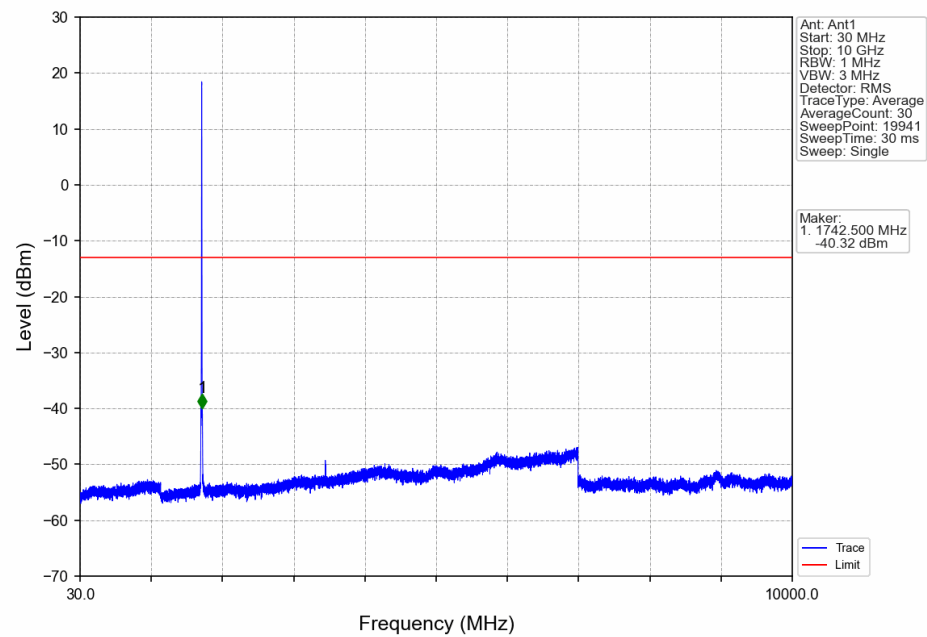
Band IV_RMC_LCH_1712.4MHz_12.2kbps_RMC_NTNV



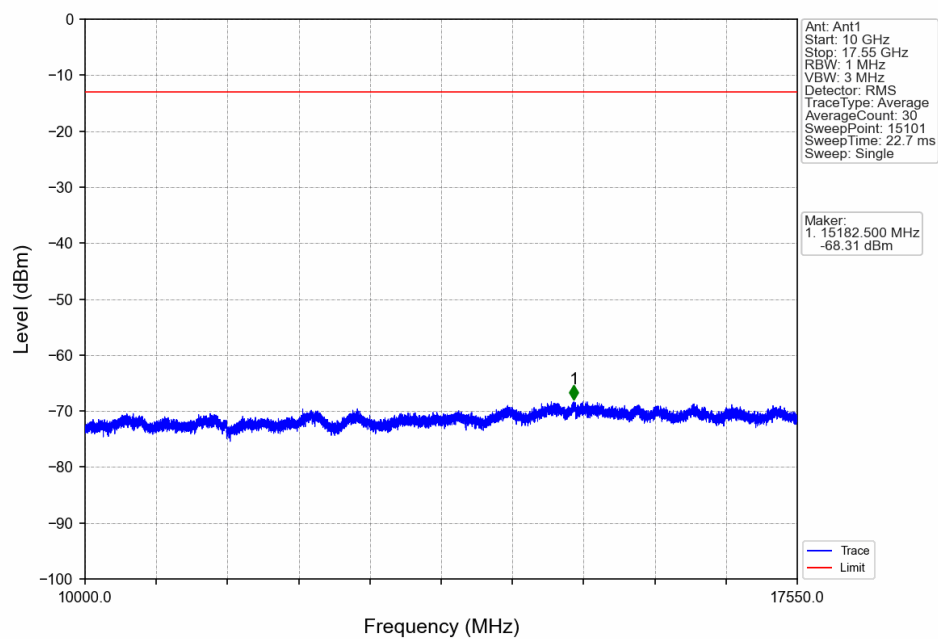
Band IV_RMC_MCH_1732.6MHz_12.2kbps_RMC_NTNV



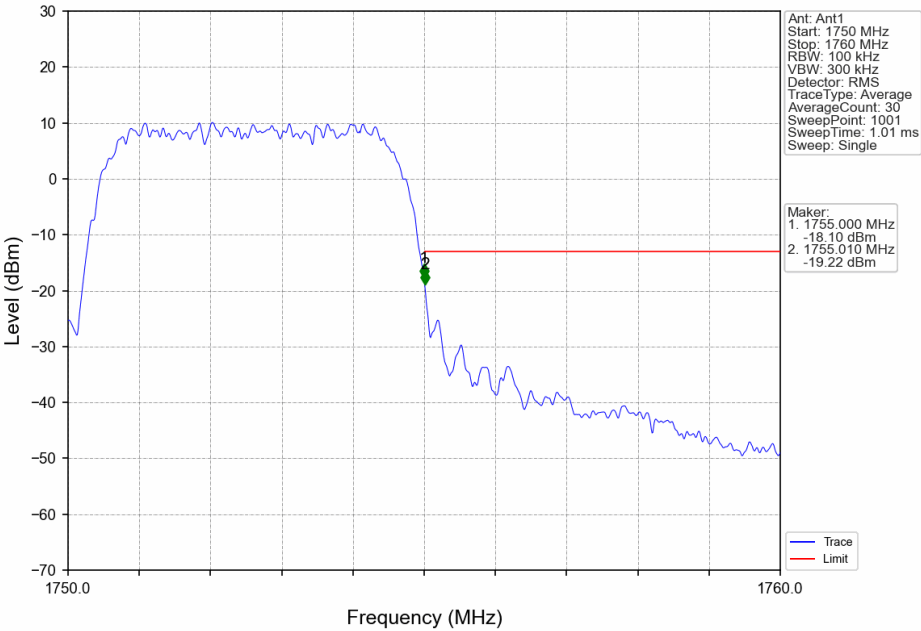
Band IV_RMC_MCH_1732.6MHz_12.2kbps_RMC_NTNV



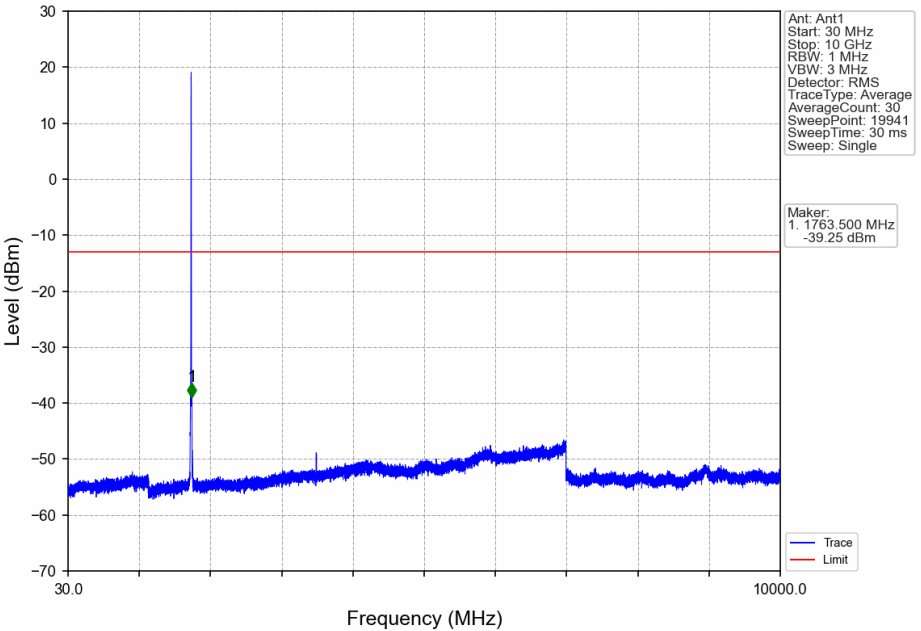
Band IV_RMC_MCH_1732.6MHz_12.2kbps_RMC_NTNV



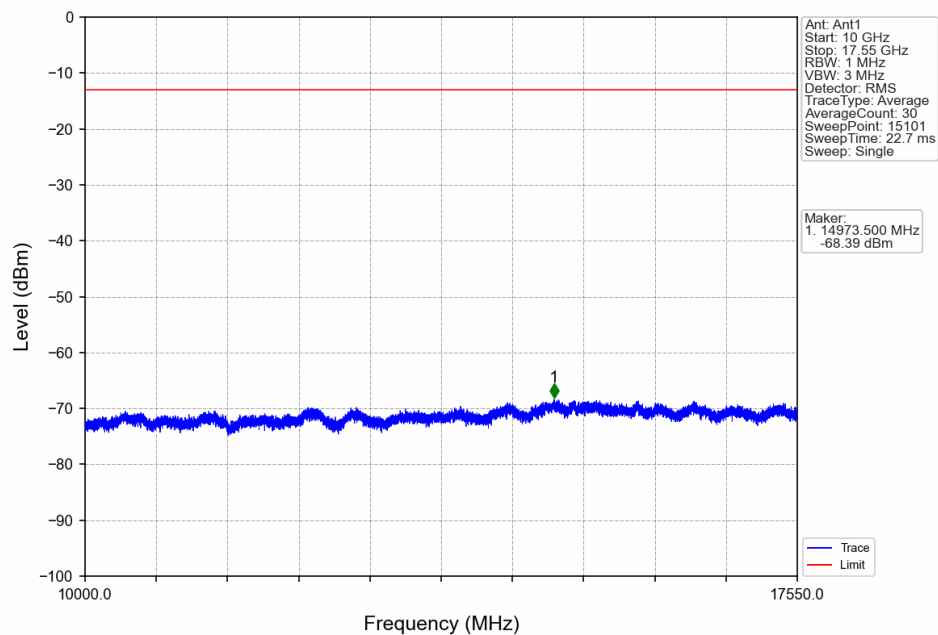
Band IV_RMC_HCH_1752.6MHz_12.2kbps_RMC_NTNV



Band IV_RMC_HCH_1752.6MHz_12.2kbps_RMC_NTNV



Band IV RMC HCH 1752.6MHz 12.2kbps RMC NTN



6. Field Strength of Spurious Radiation

WCDMA Band IV ANT41-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3424.8	-66.65	-13	-53.65	-71.27	3.36	7.98	Horizontal	Pass
5137.2	-62.74	-13	-49.74	-68.36	4.61	10.23	Horizontal	Pass
6849.6	-60.74	-13	-47.74	-66.78	4.9	10.94	Horizontal	Pass
3424.8	-66.19	-13	-53.19	-70.81	3.36	7.98	Vertical	Pass
5137.2	-62.9	-13	-49.9	-68.52	4.61	10.23	Vertical	Pass
6849.6	-60.44	-13	-47.44	-66.48	4.9	10.94	Vertical	Pass

WCDMA Band IV ANT41-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3465.2	-66.57	-13	-53.57	-71.27	3.38	8.08	Horizontal	Pass
5197.8	-62.63	-13	-49.63	-68.26	4.63	10.26	Horizontal	Pass
6930.4	-60.58	-13	-47.58	-66.71	4.91	11.04	Horizontal	Pass
3465.2	-66.18	-13	-53.18	-70.88	3.38	8.08	Vertical	Pass
5197.8	-62.82	-13	-49.82	-68.45	4.63	10.26	Vertical	Pass
6930.4	-60.43	-13	-47.43	-66.56	4.91	11.04	Vertical	Pass

WCDMA Band IV ANT41-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3505.2	-65.92	-13	-52.92	-70.7	3.4	8.18	Horizontal	Pass
5257.8	-62.9	-13	-49.9	-68.55	4.65	10.3	Horizontal	Pass
7010.4	-60.21	-13	-47.21	-66.43	4.92	11.14	Horizontal	Pass
3505.2	-66.4	-13	-53.4	-71.18	3.4	8.18	Vertical	Pass
5257.8	-62.93	-13	-49.93	-68.58	4.65	10.3	Vertical	Pass
7010.4	-60.22	-13	-47.22	-66.44	4.92	11.14	Vertical	Pass

1) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---