

1. Effective (Isotropic) Radiated Power Output Data

1.1 Band V_ERP(ANT31)

1.1.1 Test Result

Band V								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	24.16	-6.10	15.91	<=38.45	Pass
			836.6	24.10	-6.10	15.85	<=38.45	Pass
			846.6	24.11	-6.10	15.86	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Band V

2.1.1 Test Result

Band V							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	826.4	20	3.6	0.144	0.0002	-2.5 to 2.5	Pass
			3.86	-0.023	0.0000	-2.5 to 2.5	Pass
			4.3	0.313	0.0004	-2.5 to 2.5	Pass
		-30	3.86	0.317	0.0004	-2.5 to 2.5	Pass
		-20	3.86	0.398	0.0005	-2.5 to 2.5	Pass
		-10	3.86	0.320	0.0004	-2.5 to 2.5	Pass
		0	3.86	0.369	0.0004	-2.5 to 2.5	Pass
		10	3.86	0.100	0.0001	-2.5 to 2.5	Pass
		30	3.86	-0.383	-0.0005	-2.5 to 2.5	Pass
		40	3.86	0.099	0.0001	-2.5 to 2.5	Pass
		50	3.86	0.464	0.0006	-2.5 to 2.5	Pass
	836.6	20	3.6	-0.166	-0.0002	-2.5 to 2.5	Pass
			3.86	0.077	0.0001	-2.5 to 2.5	Pass
			4.3	-0.020	0.0000	-2.5 to 2.5	Pass
		-30	3.86	-0.013	0.0000	-2.5 to 2.5	Pass
		-20	3.86	-0.084	-0.0001	-2.5 to 2.5	Pass
		-10	3.86	-0.345	-0.0004	-2.5 to 2.5	Pass
		0	3.86	0.049	0.0001	-2.5 to 2.5	Pass
		10	3.86	0.009	0.0000	-2.5 to 2.5	Pass
		30	3.86	0.247	0.0003	-2.5 to 2.5	Pass
		40	3.86	-0.490	-0.0006	-2.5 to 2.5	Pass
		50	3.86	-0.038	0.0000	-2.5 to 2.5	Pass
	846.6	20	3.6	0.137	0.0002	-2.5 to 2.5	Pass
			3.86	0.237	0.0003	-2.5 to 2.5	Pass
			4.3	0.232	0.0003	-2.5 to 2.5	Pass
		-30	3.86	-0.059	-0.0001	-2.5 to 2.5	Pass
		-20	3.86	0.087	0.0001	-2.5 to 2.5	Pass
		-10	3.86	-0.403	-0.0005	-2.5 to 2.5	Pass
		0	3.86	0.377	0.0004	-2.5 to 2.5	Pass
		10	3.86	0.054	0.0001	-2.5 to 2.5	Pass
		30	3.86	-0.203	-0.0002	-2.5 to 2.5	Pass
		40	3.86	-0.242	-0.0003	-2.5 to 2.5	Pass

		50	3.85	-0.210	-0.0002	-2.5 to 2.5	Pass
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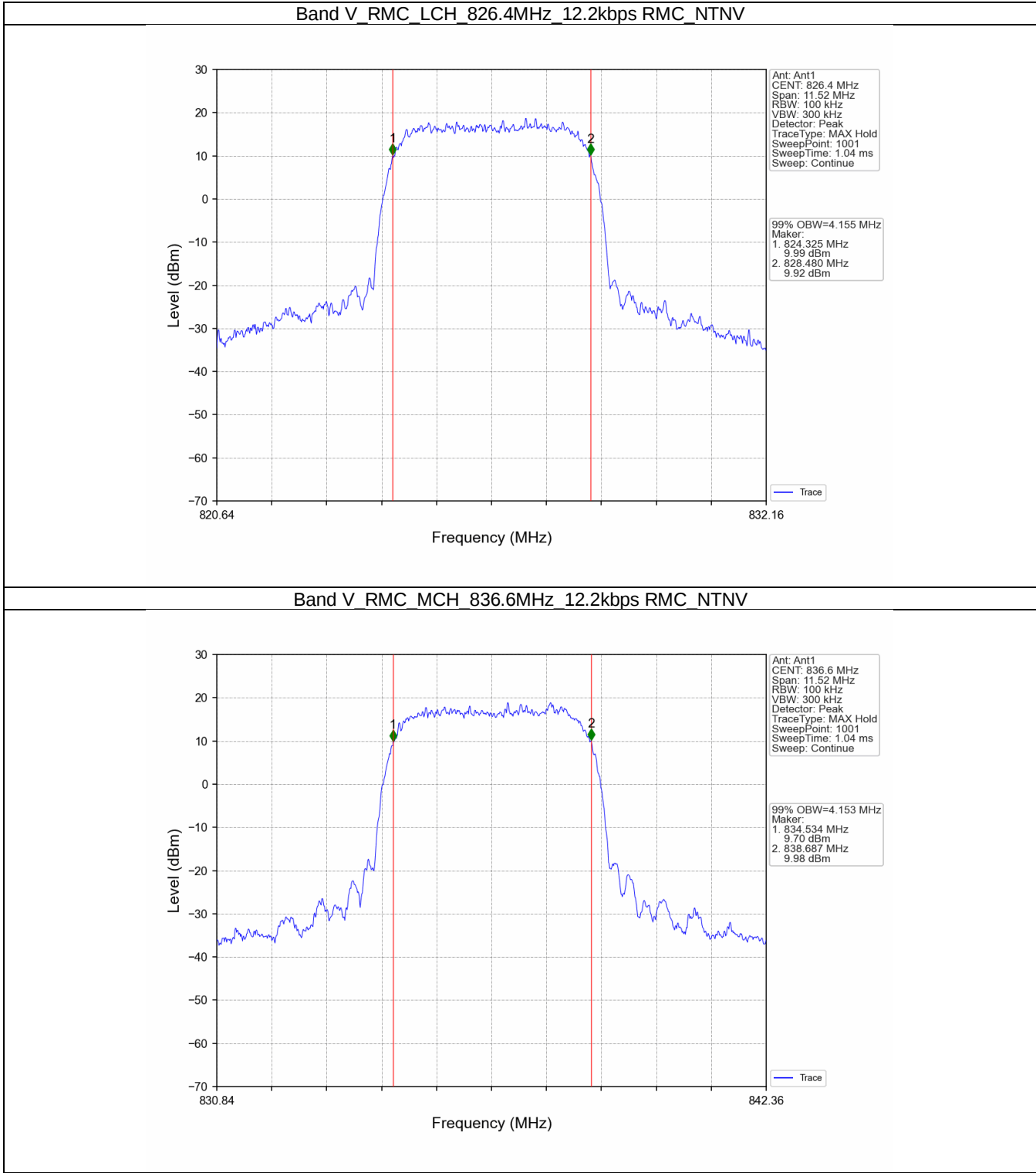
3. 99% & 26dB Bandwidth

3.1 Band V_OBW

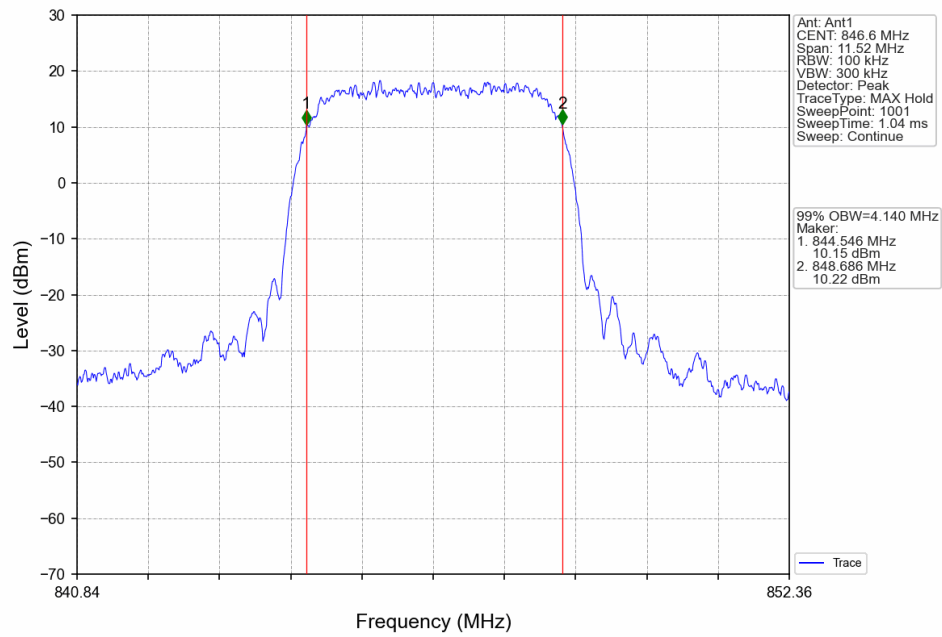
3.1.1 Test Result

Band V						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.155	/	Pass
			836.6	4.153	/	Pass
			846.6	4.140	/	Pass

3.1.2 Test Graph



Band V RMC HCH 846.6MHz 12.2kbps RMC NTN

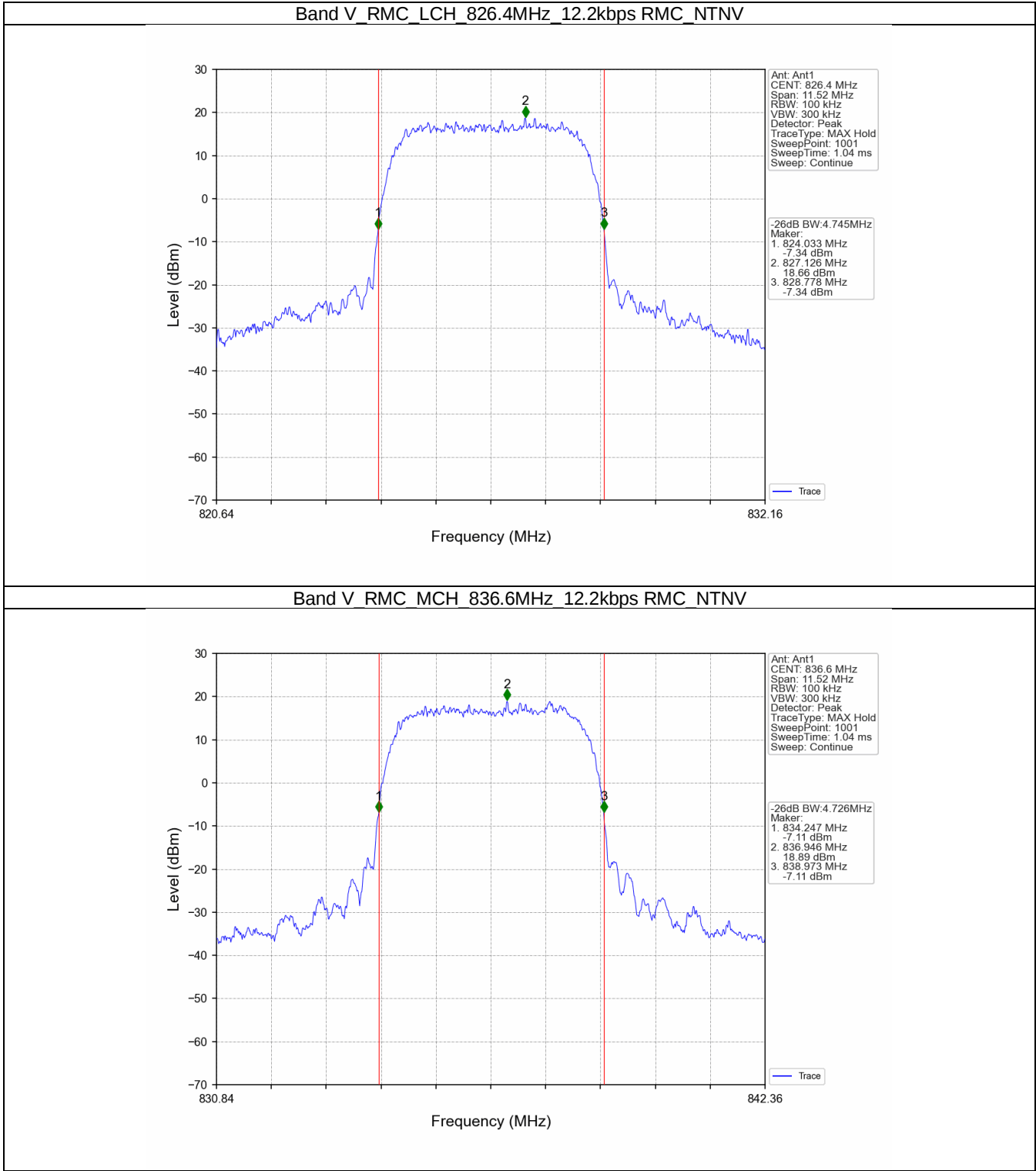


3.2 Band V_XDB

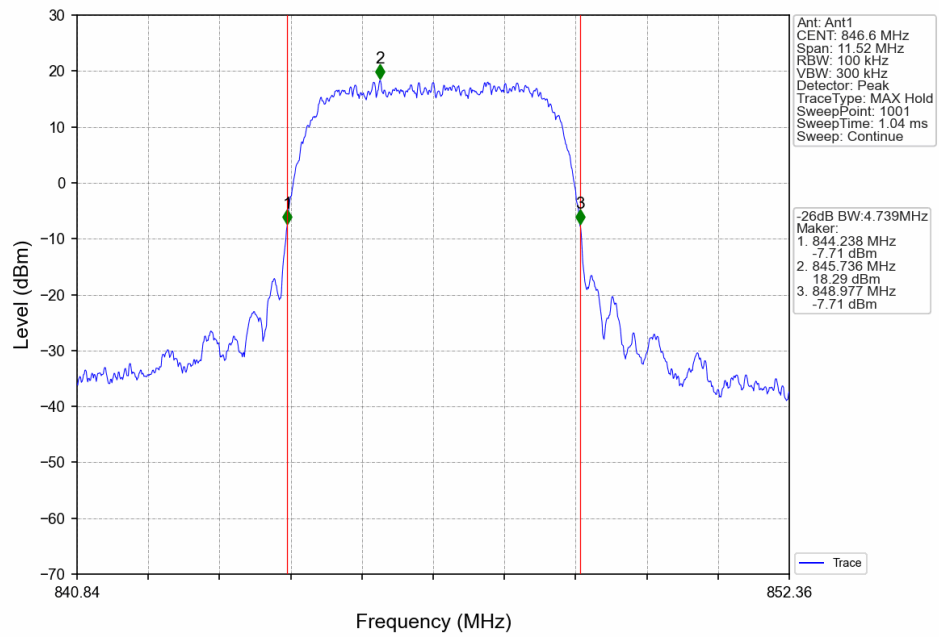
3.2.1 Test Result

Band V						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.745	/	Pass
			836.6	4.726	/	Pass
			846.6	4.739	/	Pass

3.2.2 Test Graph



Band V RMC HCH 846.6MHz 12.2kbps RMC NTNV



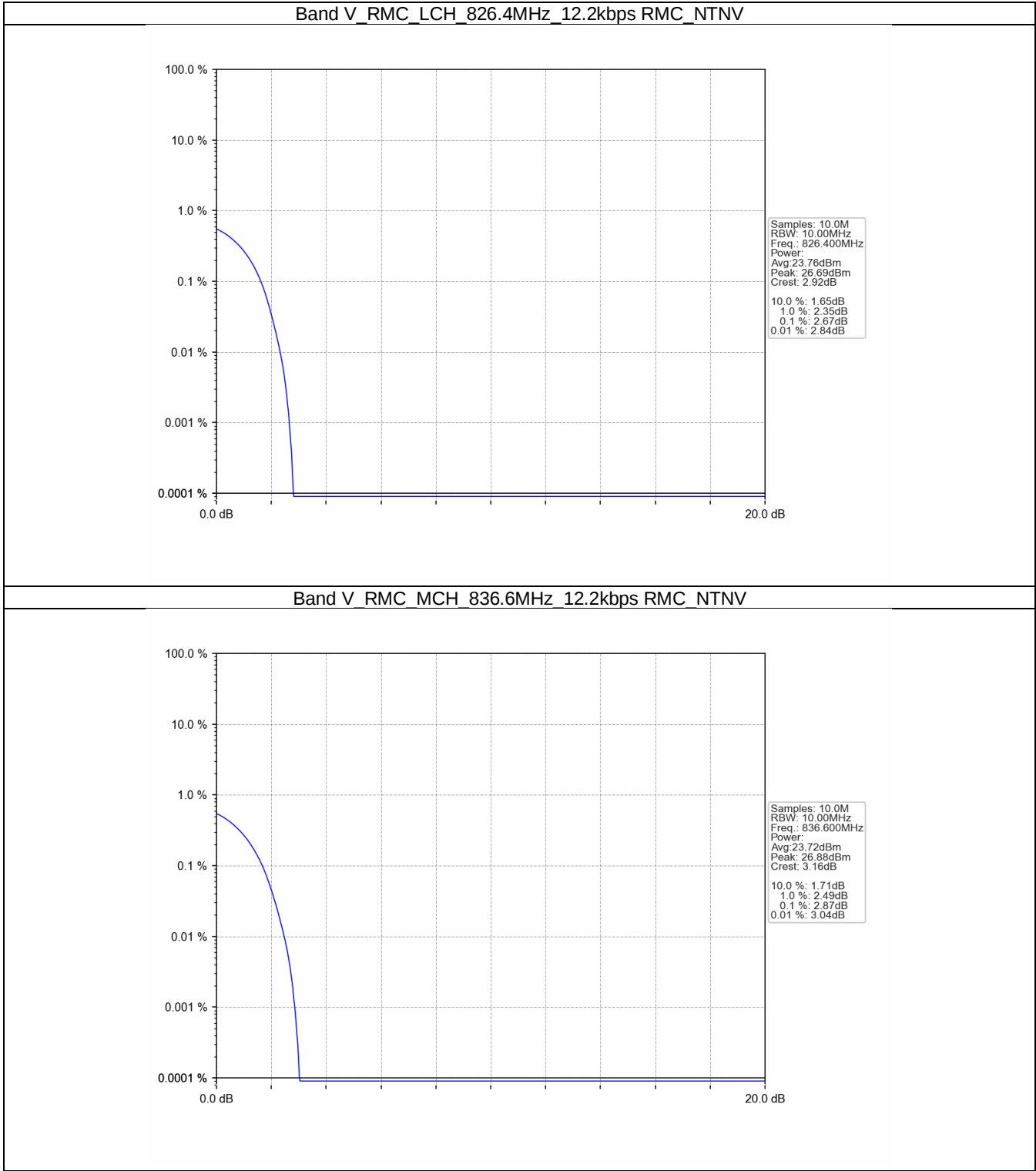
4. Peak-Average Ratio

4.1 Band V

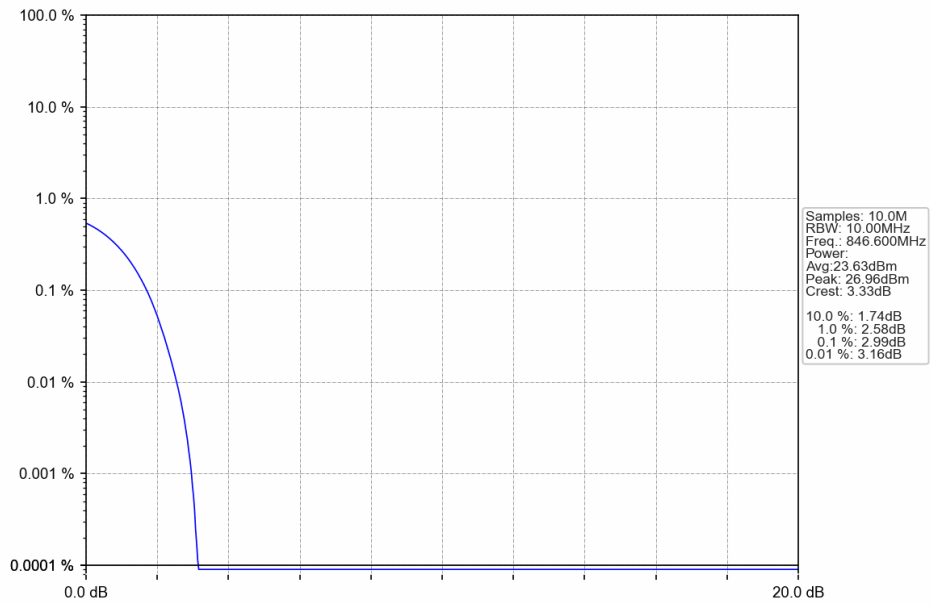
4.1.1 Test Result

Band V						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	2.67	<=13	Pass
			836.6	2.87	<=13	Pass
			846.6	2.99	<=13	Pass

4.1.2 Test Graph



Band V RMC HCH 846.6MHz 12.2kbps RMC NTNV



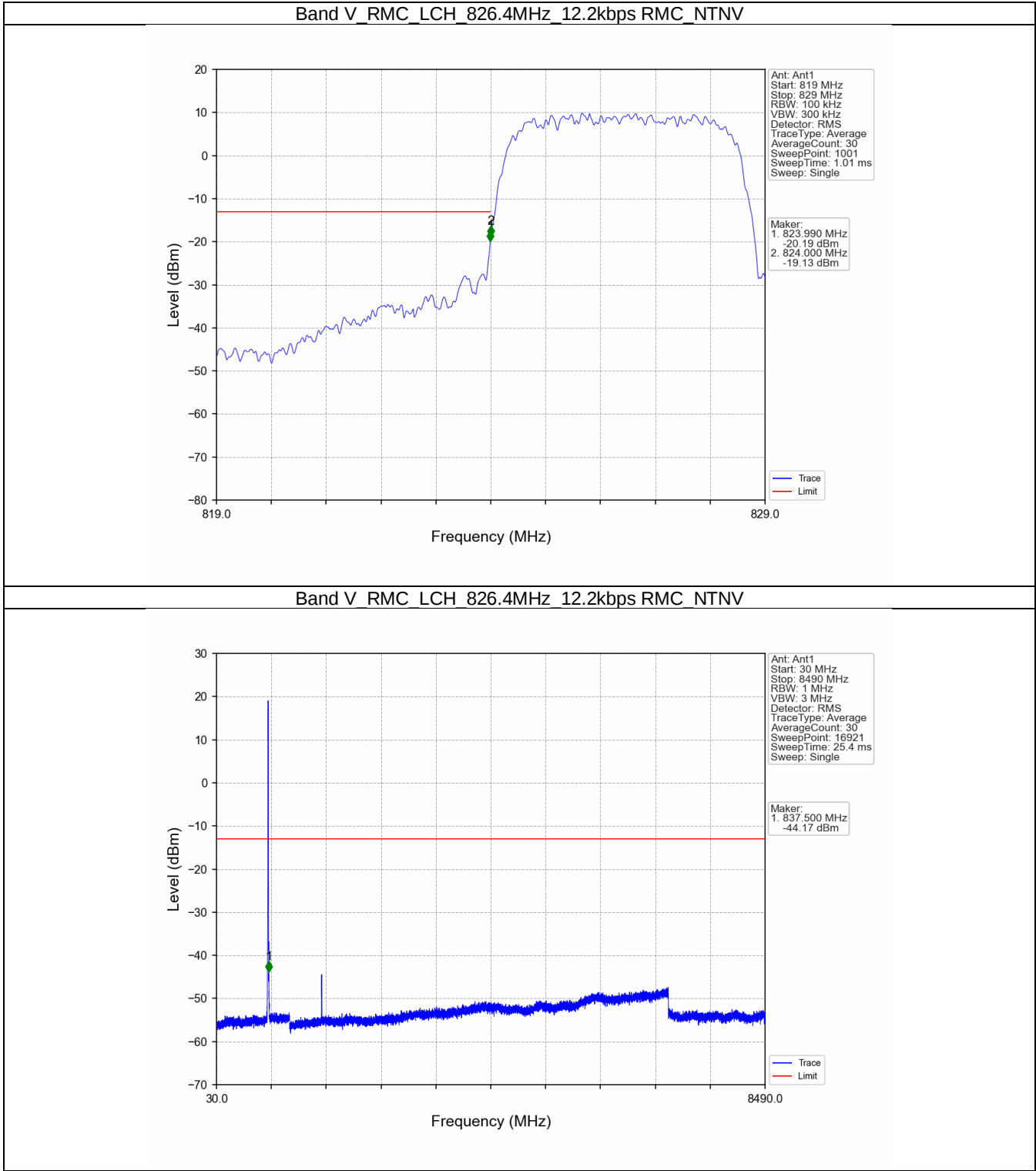
5. Spurious Emission & Band Edges

5.1 Band V

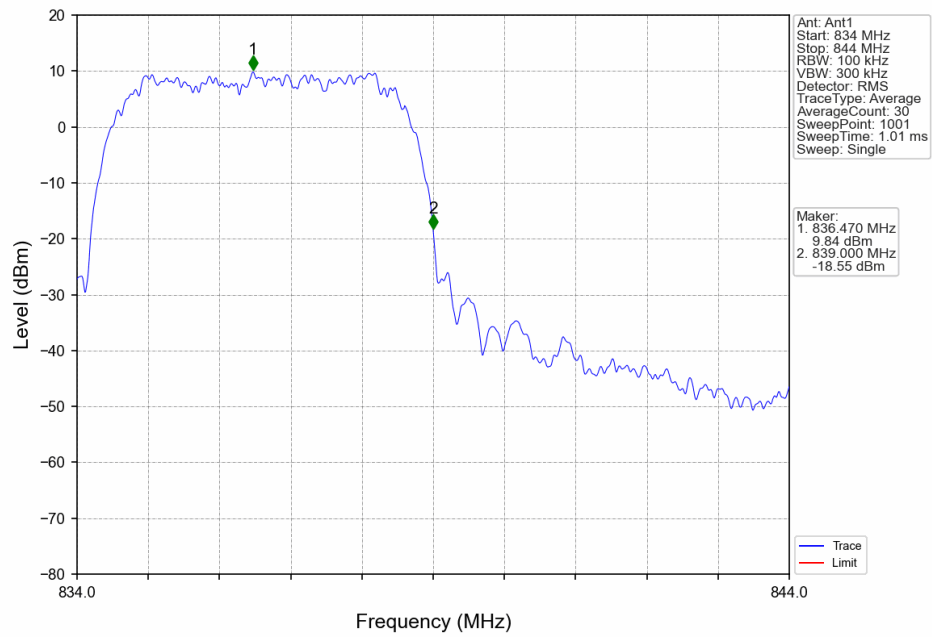
5.1.1 Test Result

Band V					
ENV	Mode		Frequency (MHz)	Spurious Emission	
	Network	Subset		Result	Limit
NTNV	RMC	12.2kbps RMC	826.4	Refer To Test Graph	Pass
			836.6	Refer To Test Graph	Pass
			846.6	Refer To Test Graph	Pass

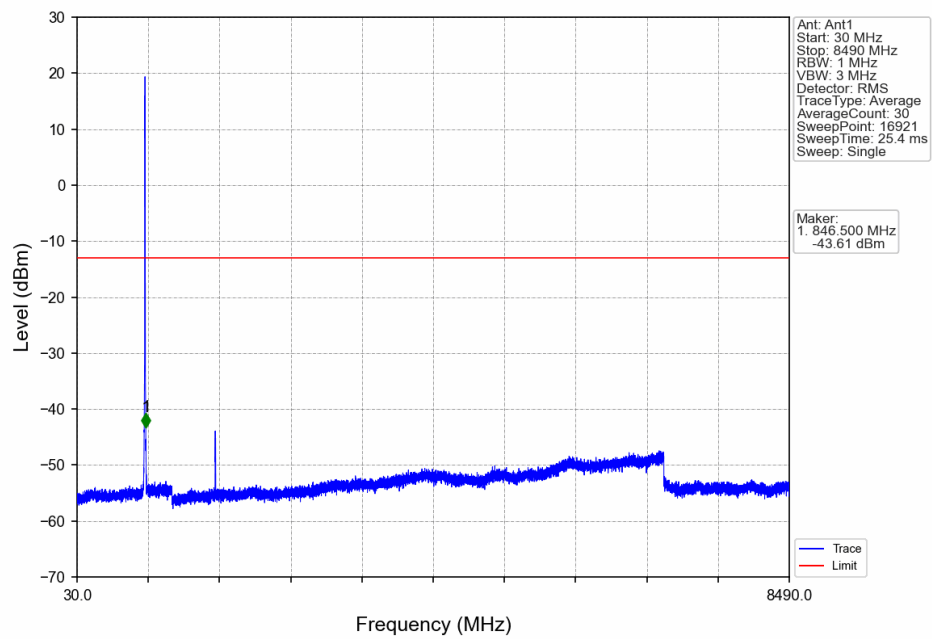
5.1.2 Test Graph



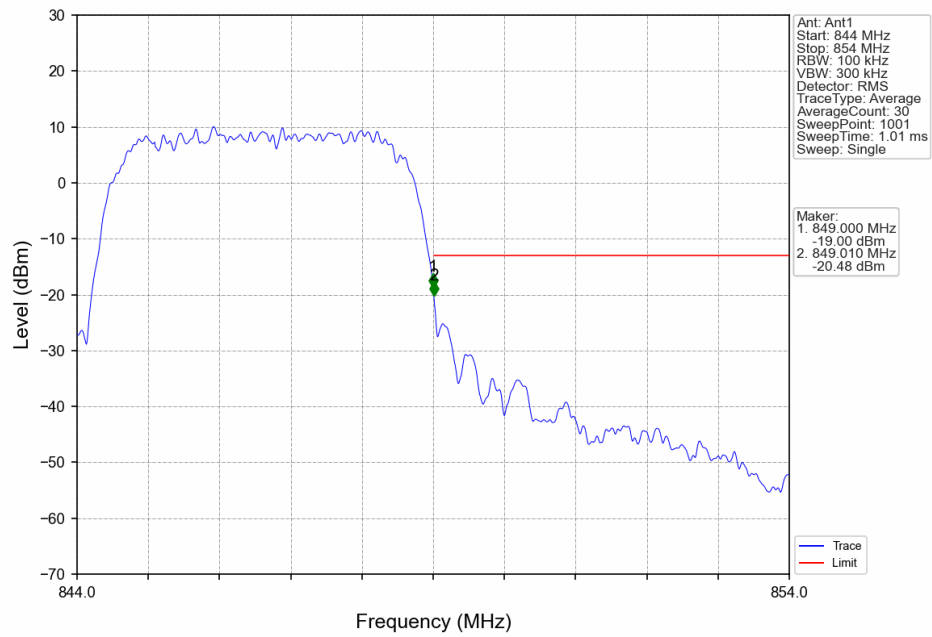
Band V_RMC_MCH_836.6MHz_12.2kbps_RMC_NTNV



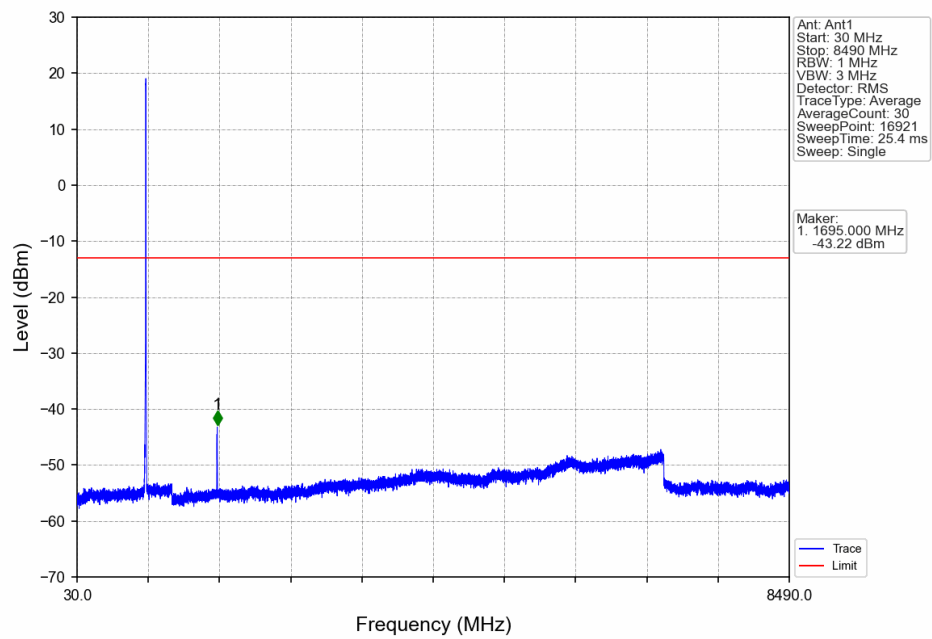
Band V_RMC_MCH_836.6MHz_12.2kbps_RMC_NTNV



Band V_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV



Band V_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV



6. Field Strength of Spurious Radiation

WCDMA Band V ANT31-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
1652.8	-70.83	-13	-57.83	-73.7	2.62	5.49	Horizontal	Pass
2479.2	-69.17	-13	-56.17	-71.87	3.07	5.77	Horizontal	Pass
3305.6	-67.64	-13	-54.64	-72.02	3.3	7.68	Horizontal	Pass
1652.8	-70.46	-13	-57.46	-73.33	2.62	5.49	Vertical	Pass
2479.2	-69.44	-13	-56.44	-72.14	3.07	5.77	Vertical	Pass
3305.6	-67.11	-13	-54.11	-71.49	3.3	7.68	Vertical	Pass

WCDMA Band V ANT31-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
1672.8	-70.88	-13	-57.88	-73.69	2.63	5.44	Horizontal	Pass
2509.2	-69.03	-13	-56.03	-71.79	3.08	5.84	Horizontal	Pass
3345.6	-66.92	-13	-53.92	-71.38	3.32	7.78	Horizontal	Pass
1672.8	-70.06	-13	-57.06	-72.87	2.63	5.44	Vertical	Pass
2509.2	-69.19	-13	-56.19	-71.95	3.08	5.84	Vertical	Pass
3345.6	-67.24	-13	-54.24	-71.7	3.32	7.78	Vertical	Pass

WCDMA Band V ANT31-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
1693.2	-70.32	-13	-57.32	-73.08	2.63	5.39	Horizontal	Pass
2539.8	-69.11	-13	-56.11	-71.93	3.09	5.91	Horizontal	Pass
3386.4	-67.13	-13	-54.13	-71.68	3.34	7.89	Horizontal	Pass
1693.2	-71.6	-13	-58.6	-74.36	2.63	5.39	Vertical	Pass
2539.8	-68.4	-13	-55.4	-71.22	3.09	5.91	Vertical	Pass
3386.4	-67.17	-13	-54.17	-71.72	3.34	7.89	Vertical	Pass

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

---End of Attachment---