

Band: V							
Network	Frequency (MHz)	Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	826.4	20	LV	-5.958	-0.0072	-2.5 to 2.5	Pass
			NV	-3.691	-0.0045	-2.5 to 2.5	Pass
			HV	-3.161	-0.0038	-2.5 to 2.5	Pass
		-30	NV	-2.418	-0.0029	-2.5 to 2.5	Pass
		-20	NV	-2.561	-0.0031	-2.5 to 2.5	Pass
		-10	NV	-1.216	-0.0015	-2.5 to 2.5	Pass

		0	NV	-1.888	-0.0023	-2.5 to 2.5	Pass
		10	NV	-2.139	-0.0026	-2.5 to 2.5	Pass
		30	NV	-1.824	-0.0022	-2.5 to 2.5	Pass
		40	NV	-1.245	-0.0015	-2.5 to 2.5	Pass
		50	NV	-1.659	-0.0020	-2.5 to 2.5	Pass
	836.6	20	LV	-0.308	-0.0004	-2.5 to 2.5	Pass
			NV	-0.479	-0.0006	-2.5 to 2.5	Pass
			HV	-0.794	-0.0009	-2.5 to 2.5	Pass
		-30	NV	-1.223	-0.0015	-2.5 to 2.5	Pass
		-20	NV	-1.602	-0.0019	-2.5 to 2.5	Pass
		-10	NV	-0.443	-0.0005	-2.5 to 2.5	Pass
		0	NV	-0.765	-0.0009	-2.5 to 2.5	Pass
		10	NV	-1.423	-0.0017	-2.5 to 2.5	Pass
		30	NV	-1.223	-0.0015	-2.5 to 2.5	Pass
		40	NV	-0.265	-0.0003	-2.5 to 2.5	Pass
		50	NV	-1.616	-0.0019	-2.5 to 2.5	Pass
	846.6	20	LV	-0.315	-0.0004	-2.5 to 2.5	Pass
			NV	0.873	0.0010	-2.5 to 2.5	Pass
			HV	0.708	0.0008	-2.5 to 2.5	Pass
		-30	NV	0.150	0.0002	-2.5 to 2.5	Pass
		-20	NV	0.937	0.0011	-2.5 to 2.5	Pass
		-10	NV	-0.701	-0.0008	-2.5 to 2.5	Pass
		0	NV	-0.322	-0.0004	-2.5 to 2.5	Pass
		10	NV	-0.451	-0.0005	-2.5 to 2.5	Pass
		30	NV	-0.229	-0.0003	-2.5 to 2.5	Pass
		40	NV	0.050	0.0001	-2.5 to 2.5	Pass
		50	NV	0.229	0.0003	-2.5 to 2.5	Pass
HSDPA	826.4	20	LV	0.894	0.0011	-2.5 to 2.5	Pass
			NV	0.265	0.0003	-2.5 to 2.5	Pass
			HV	0.150	0.0002	-2.5 to 2.5	Pass
		-30	NV	1.745	0.0021	-2.5 to 2.5	Pass
		-20	NV	0.172	0.0002	-2.5 to 2.5	Pass
		-10	NV	-0.114	-0.0001	-2.5 to 2.5	Pass
		0	NV	-0.143	-0.0002	-2.5 to 2.5	Pass
		10	NV	0.207	0.0003	-2.5 to 2.5	Pass
		30	NV	0.193	0.0002	-2.5 to 2.5	Pass
		40	NV	0.479	0.0006	-2.5 to 2.5	Pass
		50	NV	-1.101	-0.0013	-2.5 to 2.5	Pass
	836.6	20	LV	0.579	0.0007	-2.5 to 2.5	Pass
			NV	0.930	0.0011	-2.5 to 2.5	Pass
			HV	0.687	0.0008	-2.5 to 2.5	Pass
		-30	NV	0.372	0.0004	-2.5 to 2.5	Pass
		-20	NV	-0.780	-0.0009	-2.5 to 2.5	Pass
		-10	NV	-0.229	-0.0003	-2.5 to 2.5	Pass
		0	NV	0.143	0.0002	-2.5 to 2.5	Pass
		10	NV	-1.566	-0.0019	-2.5 to 2.5	Pass
		30	NV	0.222	0.0003	-2.5 to 2.5	Pass
		40	NV	0.415	0.0005	-2.5 to 2.5	Pass
		50	NV	-0.036	0.0000	-2.5 to 2.5	Pass
	846.6	20	LV	1.652	0.0020	-2.5 to 2.5	Pass
			NV	2.332	0.0028	-2.5 to 2.5	Pass
			HV	1.574	0.0019	-2.5 to 2.5	Pass
		-30	NV	1.023	0.0012	-2.5 to 2.5	Pass
		-20	NV	1.509	0.0018	-2.5 to 2.5	Pass
		-10	NV	1.345	0.0016	-2.5 to 2.5	Pass
		0	NV	1.230	0.0015	-2.5 to 2.5	Pass
		10	NV	1.702	0.0020	-2.5 to 2.5	Pass
		30	NV	0.436	0.0005	-2.5 to 2.5	Pass
		40	NV	1.252	0.0015	-2.5 to 2.5	Pass

HSUPA	826.4	50	NV	2.439	0.0029	-2.5 to 2.5	Pass
		20	LV	-0.687	-0.0008	-2.5 to 2.5	Pass
			NV	0.057	0.0001	-2.5 to 2.5	Pass
			HV	-0.594	-0.0007	-2.5 to 2.5	Pass
		-30	NV	-0.236	-0.0003	-2.5 to 2.5	Pass
		-20	NV	-0.815	-0.0010	-2.5 to 2.5	Pass
		-10	NV	1.137	0.0014	-2.5 to 2.5	Pass
		0	NV	0.544	0.0007	-2.5 to 2.5	Pass
		10	NV	0.393	0.0005	-2.5 to 2.5	Pass
		30	NV	-0.029	0.0000	-2.5 to 2.5	Pass
		40	NV	-0.114	-0.0001	-2.5 to 2.5	Pass
		50	NV	-1.302	-0.0016	-2.5 to 2.5	Pass
	836.6	20	LV	-6.180	-0.0074	-2.5 to 2.5	Pass
			NV	-5.651	-0.0068	-2.5 to 2.5	Pass
			HV	-4.435	-0.0053	-2.5 to 2.5	Pass
		-30	NV	-3.269	-0.0039	-2.5 to 2.5	Pass
		-20	NV	-3.591	-0.0043	-2.5 to 2.5	Pass
		-10	NV	-2.217	-0.0027	-2.5 to 2.5	Pass
		0	NV	-3.190	-0.0038	-2.5 to 2.5	Pass
		10	NV	-1.752	-0.0021	-2.5 to 2.5	Pass
		30	NV	-2.518	-0.0030	-2.5 to 2.5	Pass
		40	NV	-1.731	-0.0021	-2.5 to 2.5	Pass
		50	NV	-1.652	-0.0020	-2.5 to 2.5	Pass
	846.6	20	LV	-4.113	-0.0049	-2.5 to 2.5	Pass
			NV	-3.326	-0.0039	-2.5 to 2.5	Pass
			HV	-2.232	-0.0026	-2.5 to 2.5	Pass
		-30	NV	-2.789	-0.0033	-2.5 to 2.5	Pass
		-20	NV	-1.931	-0.0023	-2.5 to 2.5	Pass
		-10	NV	-2.618	-0.0031	-2.5 to 2.5	Pass
		0	NV	-0.350	-0.0004	-2.5 to 2.5	Pass
		10	NV	-2.782	-0.0033	-2.5 to 2.5	Pass
		30	NV	-2.632	-0.0031	-2.5 to 2.5	Pass
		40	NV	-1.044	-0.0012	-2.5 to 2.5	Pass
		50	NV	-1.395	-0.0016	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band V_OBW

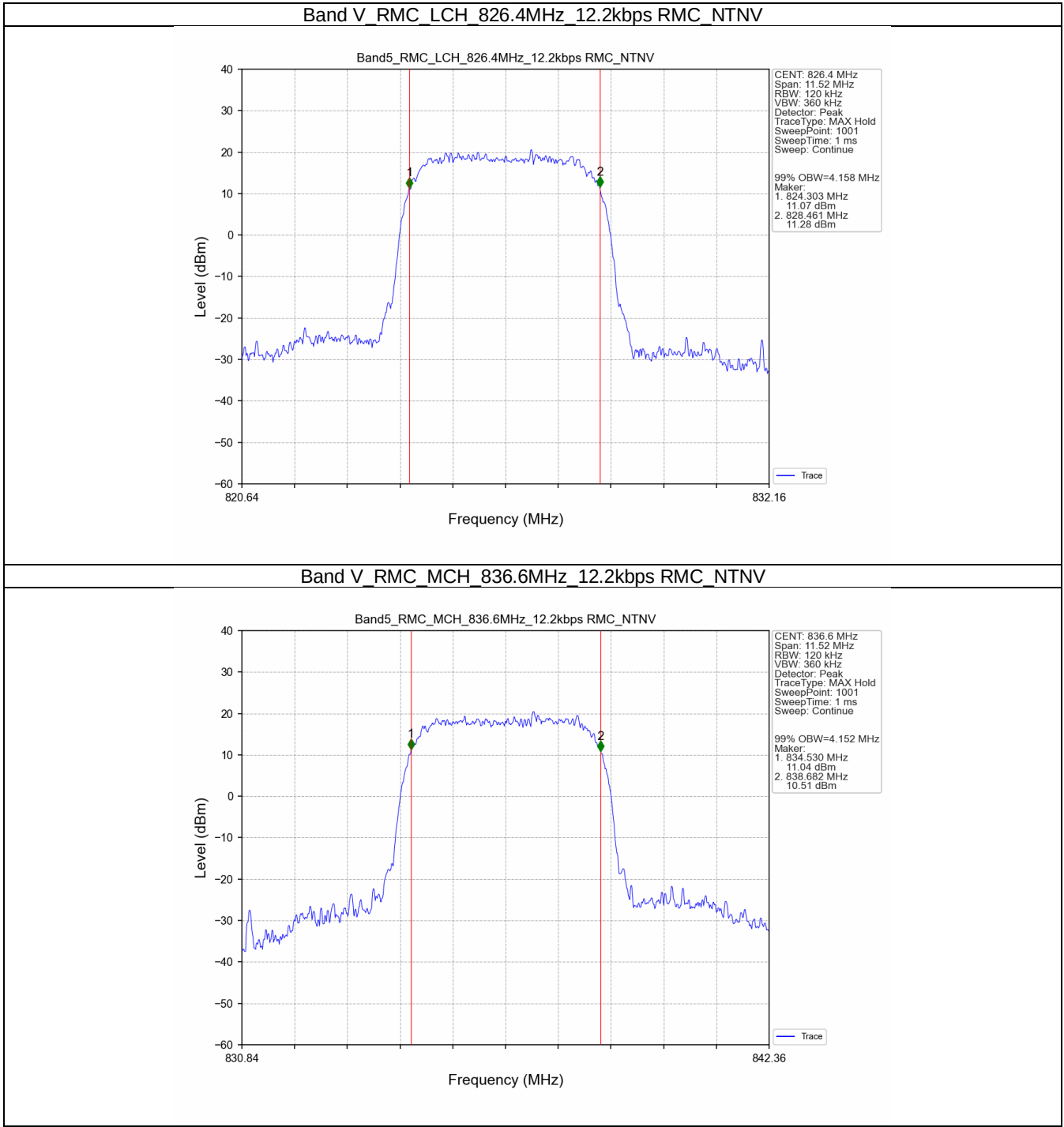
Band: V						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.158	/	Pass
			836.6	4.152	/	Pass
			846.6	4.148	/	Pass
	HSDPA	Subtest 1	826.4	4.207	/	Pass
			836.6	4.205	/	Pass
			846.6	4.210	/	Pass
	HSUPA	Subtest 1	826.4	4.181	/	Pass
			836.6	4.166	/	Pass
			846.6	4.174	/	Pass

3.1.2 Band V_XDB

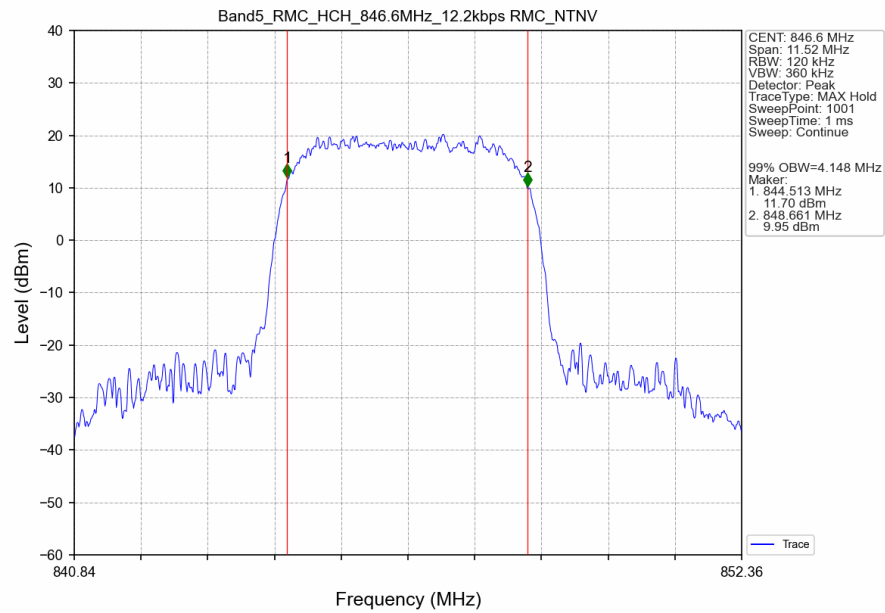
Band: V						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.715	/	Pass
			836.6	4.720	/	Pass
			846.6	4.735	/	Pass
	HSDPA	Subtest 1	826.4	6.378	/	Pass
			836.6	5.606	/	Pass
			846.6	5.839	/	Pass
	HSUPA	Subtest 1	826.4	4.721	/	Pass
			836.6	4.735	/	Pass
			846.6	4.714	/	Pass

3.2 Test Graph

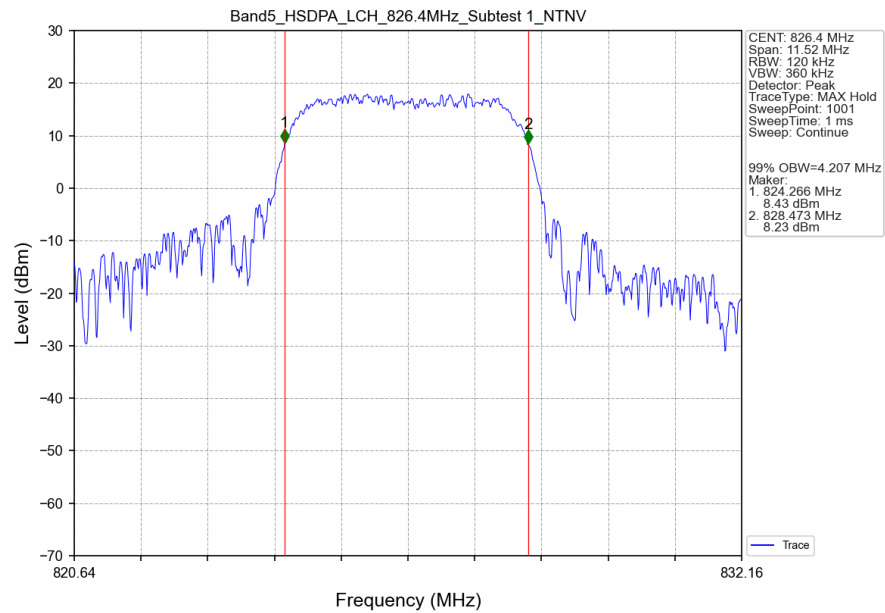
3.2.1 Band V_OBW



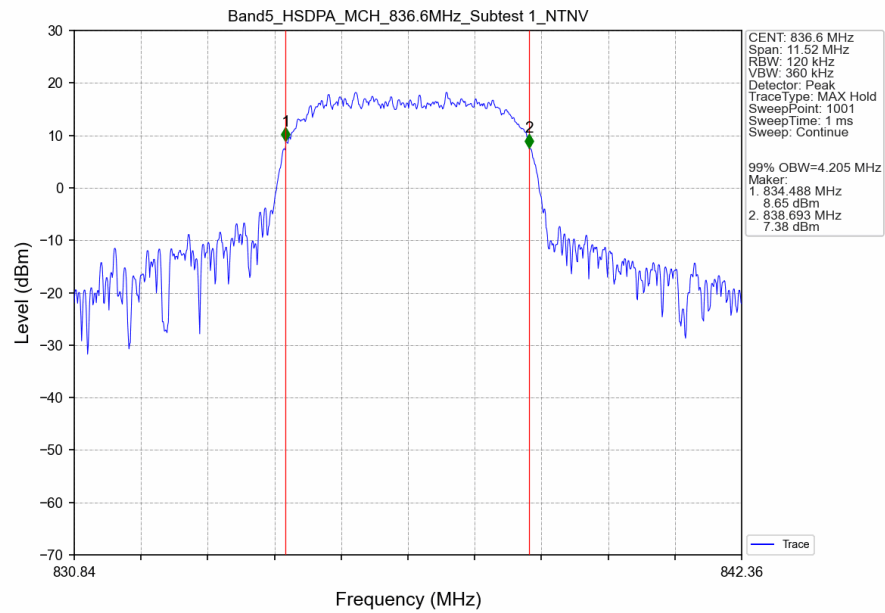
Band V_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV



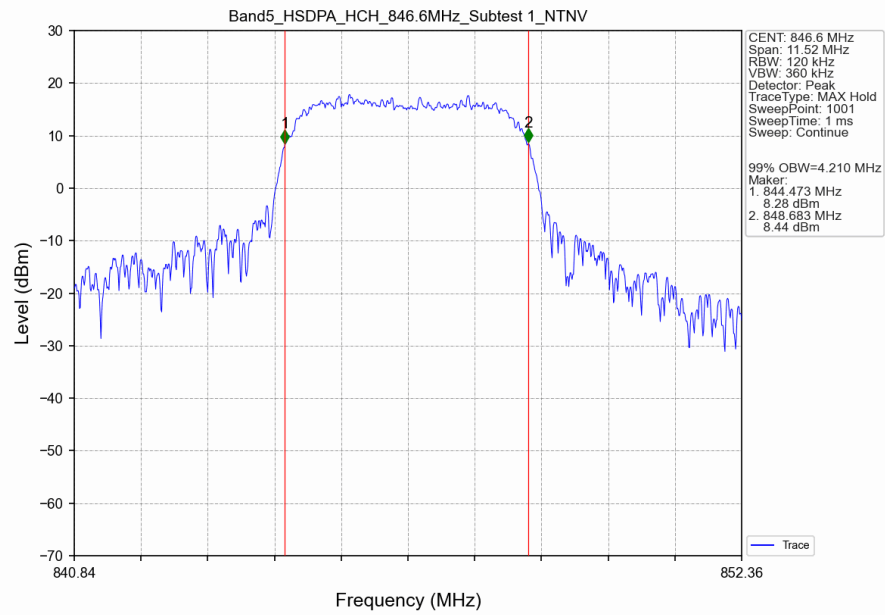
Band V_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



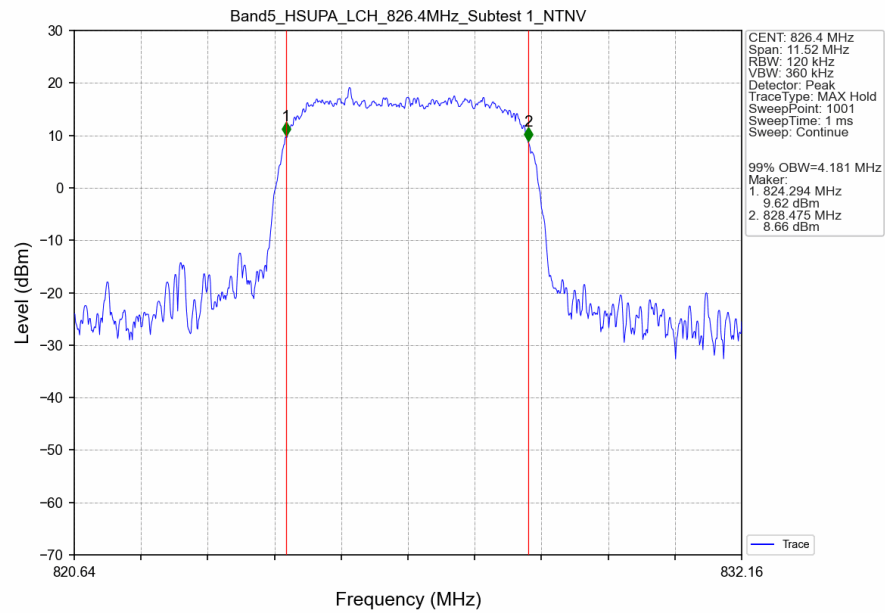
Band V HSDPA MCH 836.6MHz Subtest 1 NTN



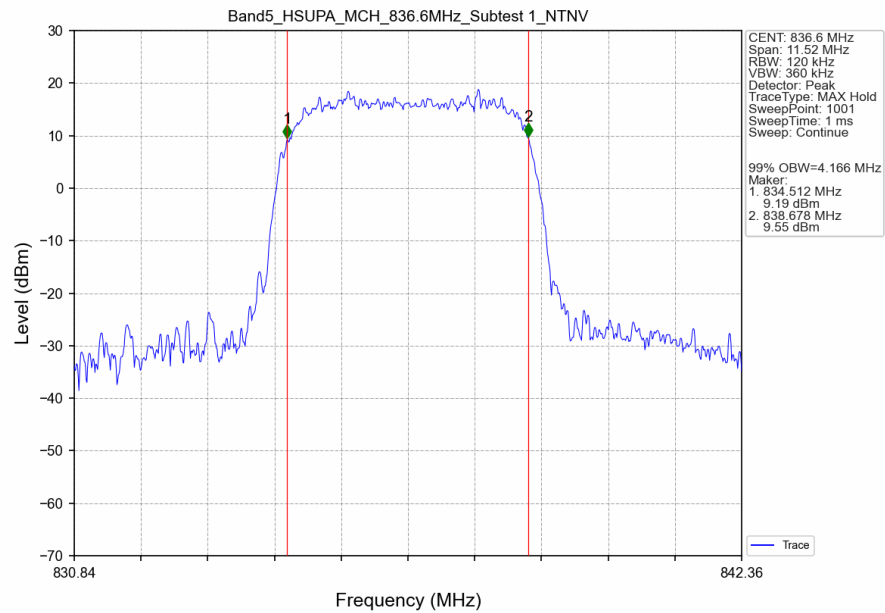
Band V HSDPA HCH 846.6MHz Subtest 1 NTN



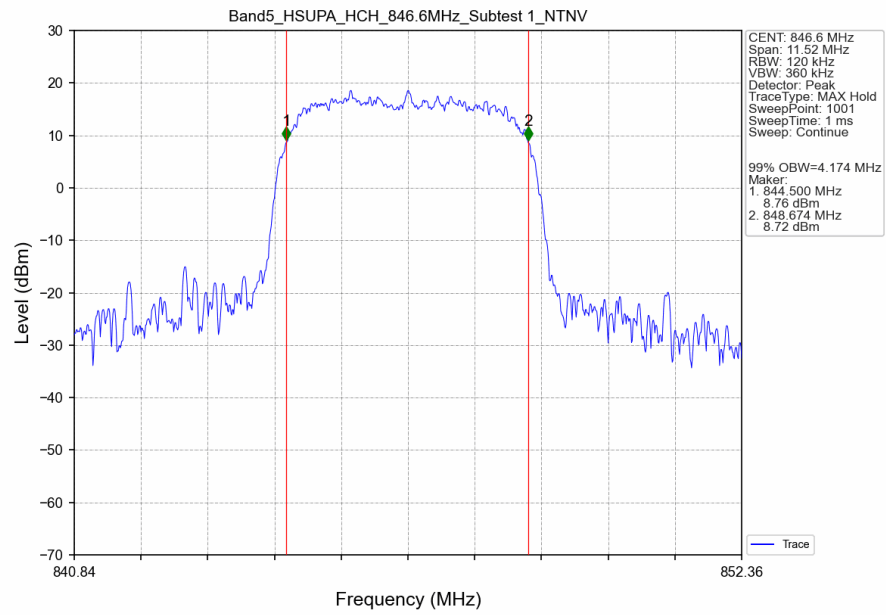
Band V_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



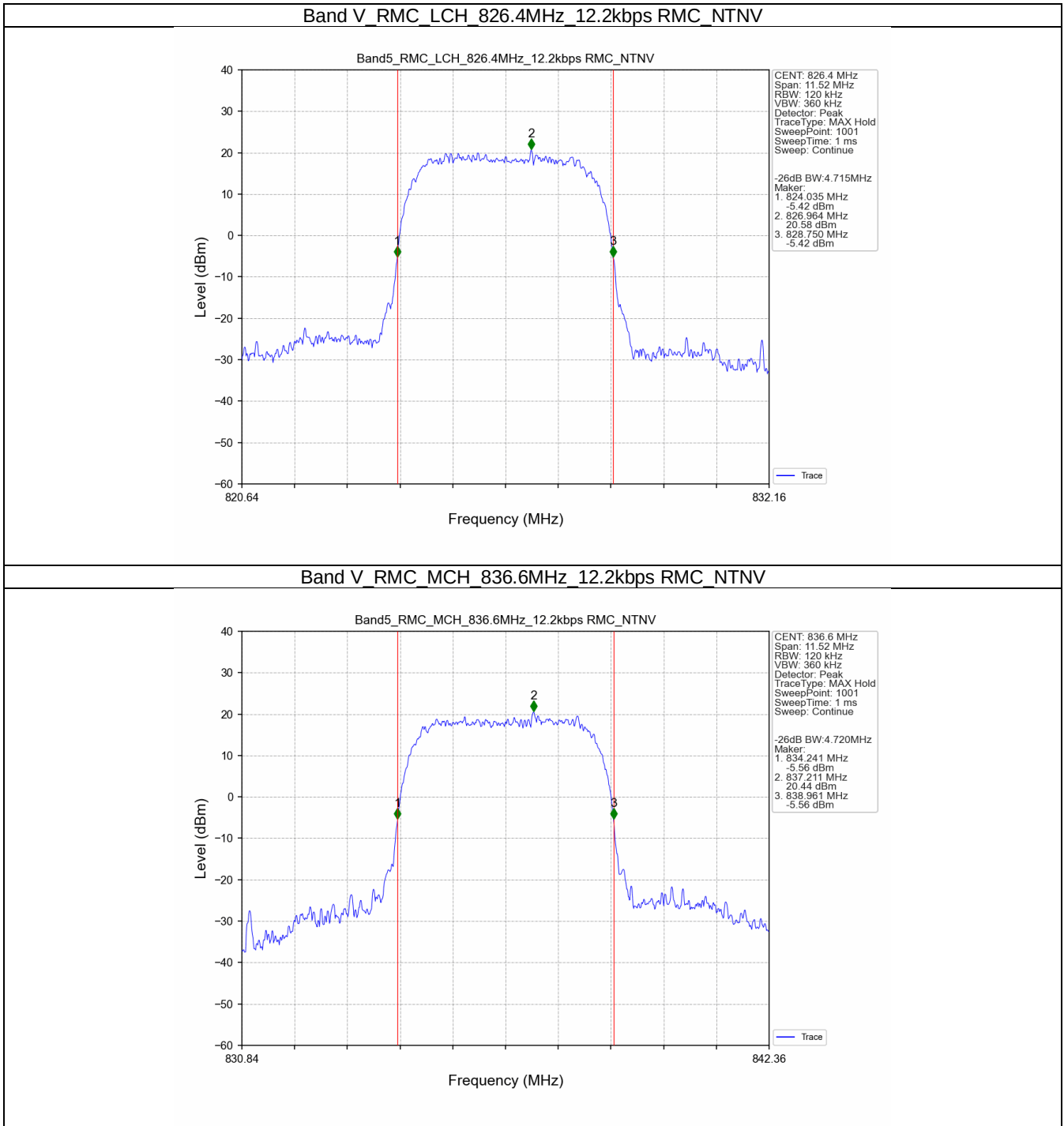
Band V_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



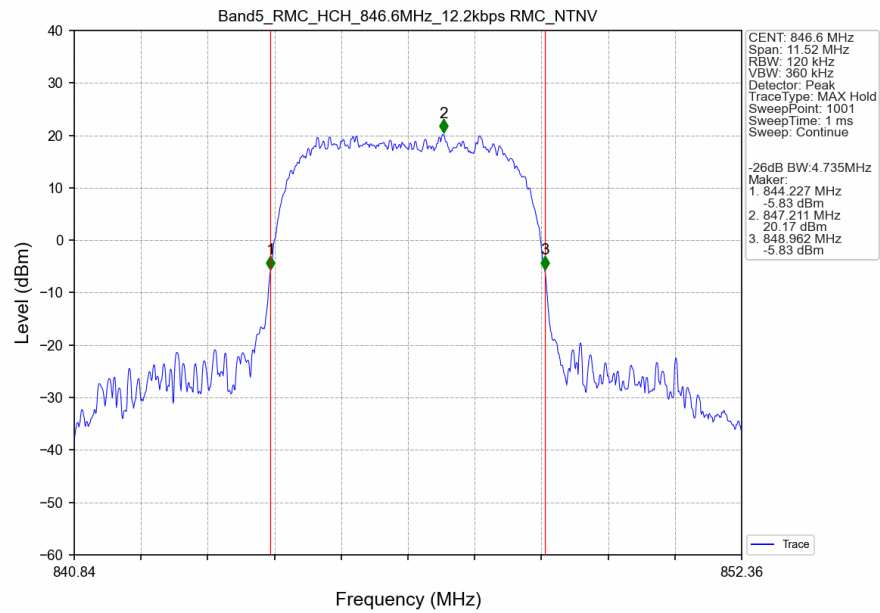
Band V HSUPA HCH 846.6MHz Subtest 1 NTNV



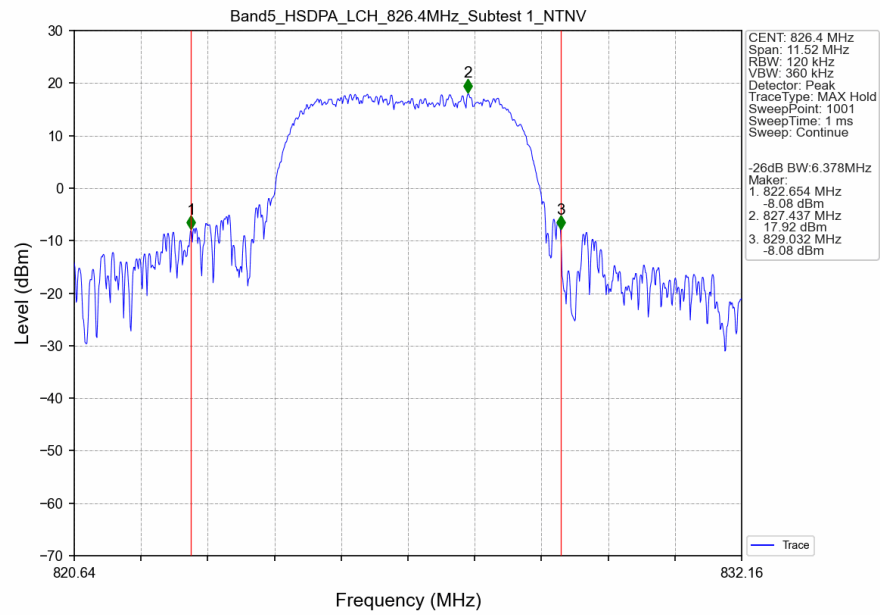
3.2.2 Band V_XDB



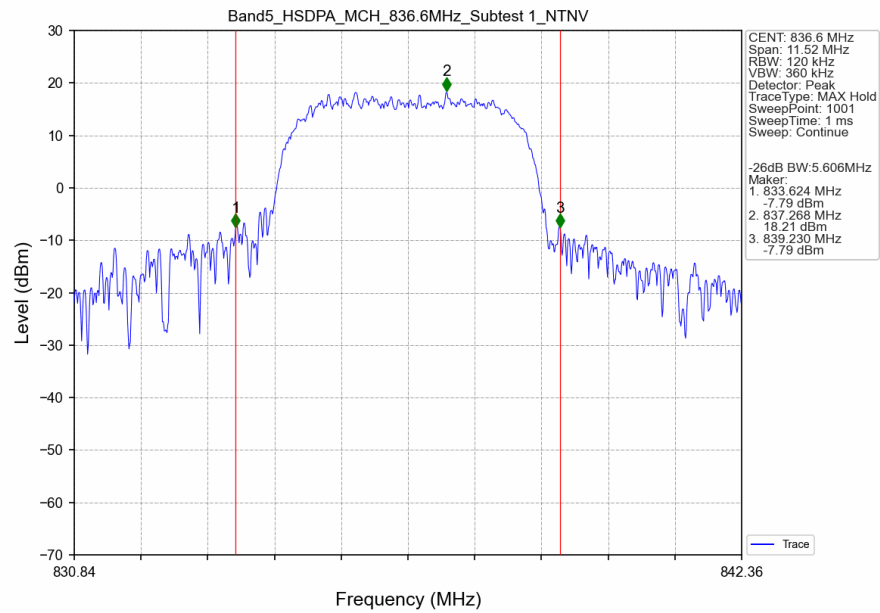
Band V RMC HCH 846.6MHz 12.2kbps RMC NTN



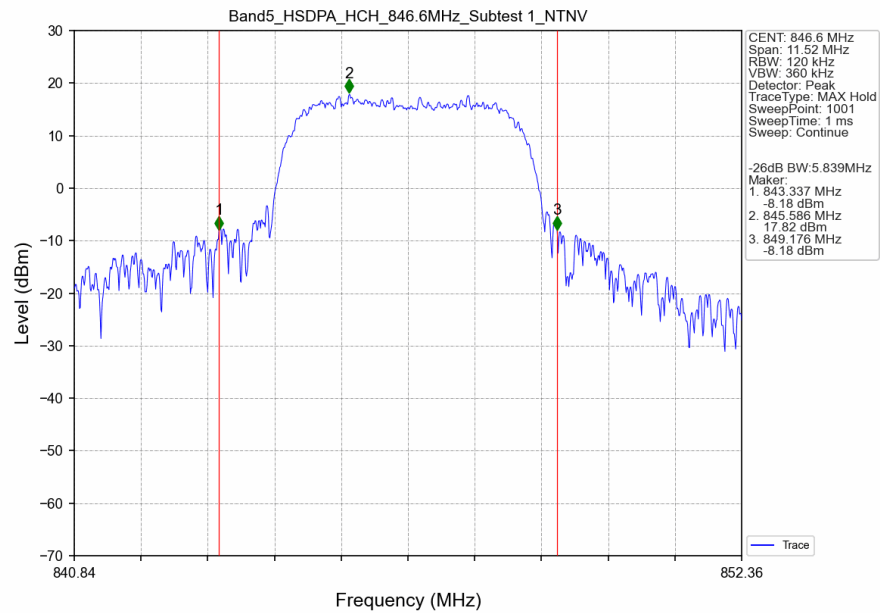
Band V HSDPA LCH 826.4MHz Subtest 1 NTN



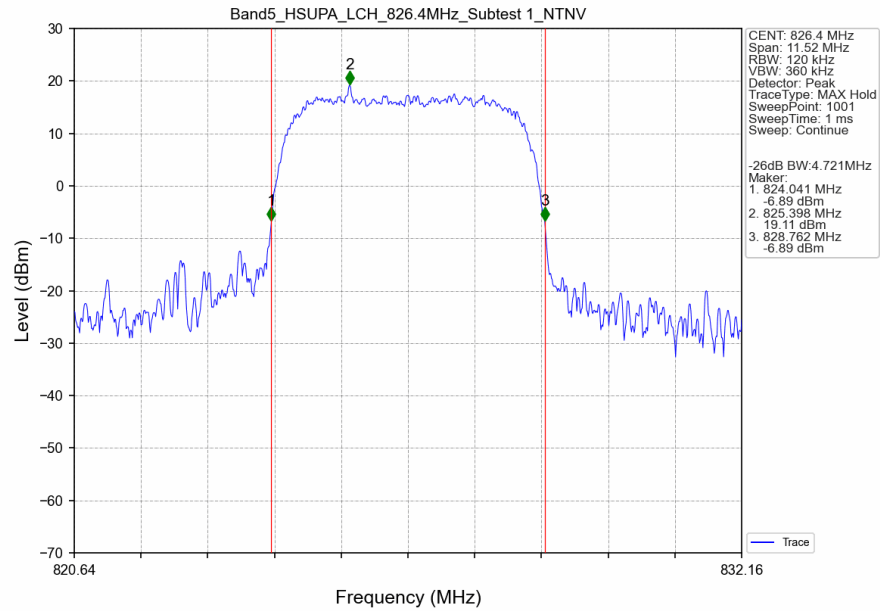
Band V HSDPA MCH 836.6MHz Subtest 1 NTN



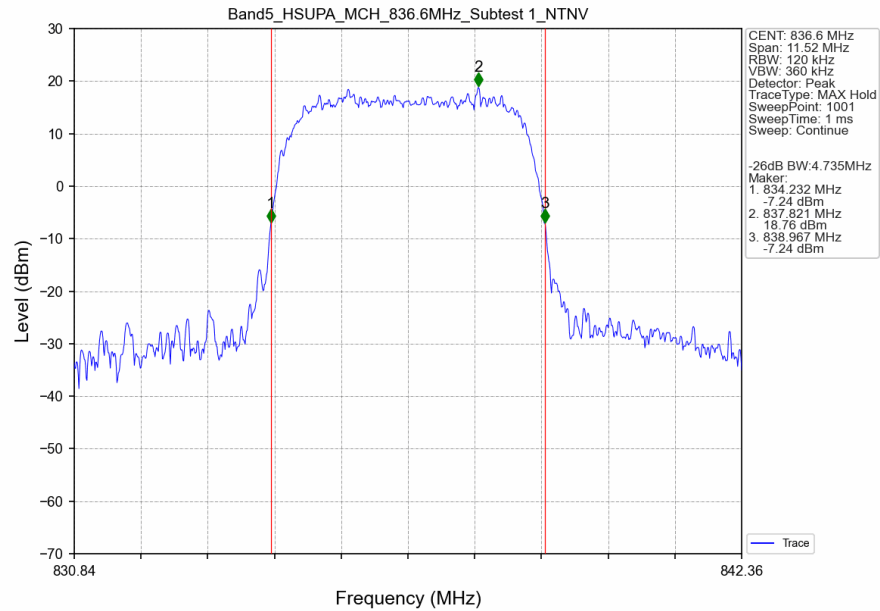
Band V HSDPA HCH 846.6MHz Subtest 1 NTN



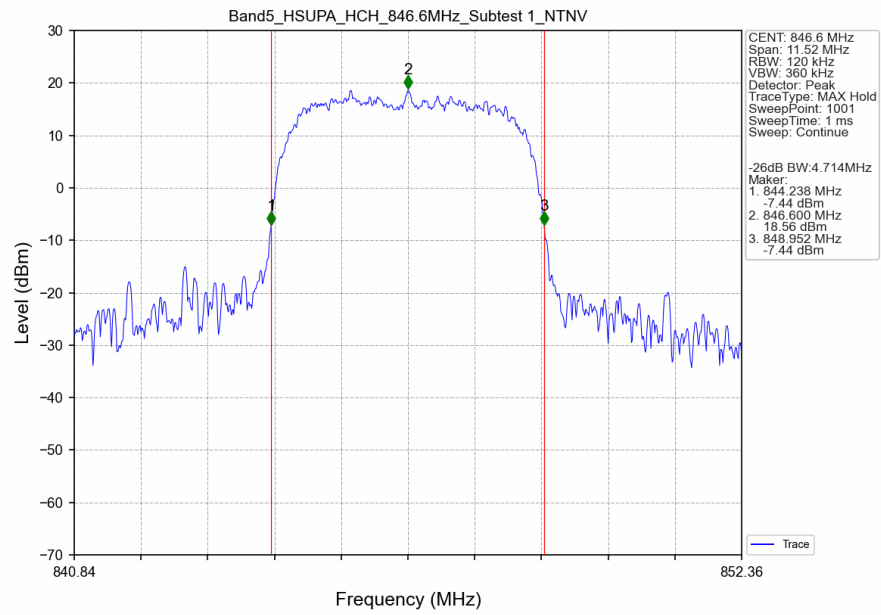
Band V HSUPA LCH 826.4MHz Subtest 1 NTN



Band V HSUPA MCH 836.6MHz Subtest 1 NTN



Band V HSUPA HCH 846.6MHz Subtest 1 NTN



4. Peak-Average Ratio

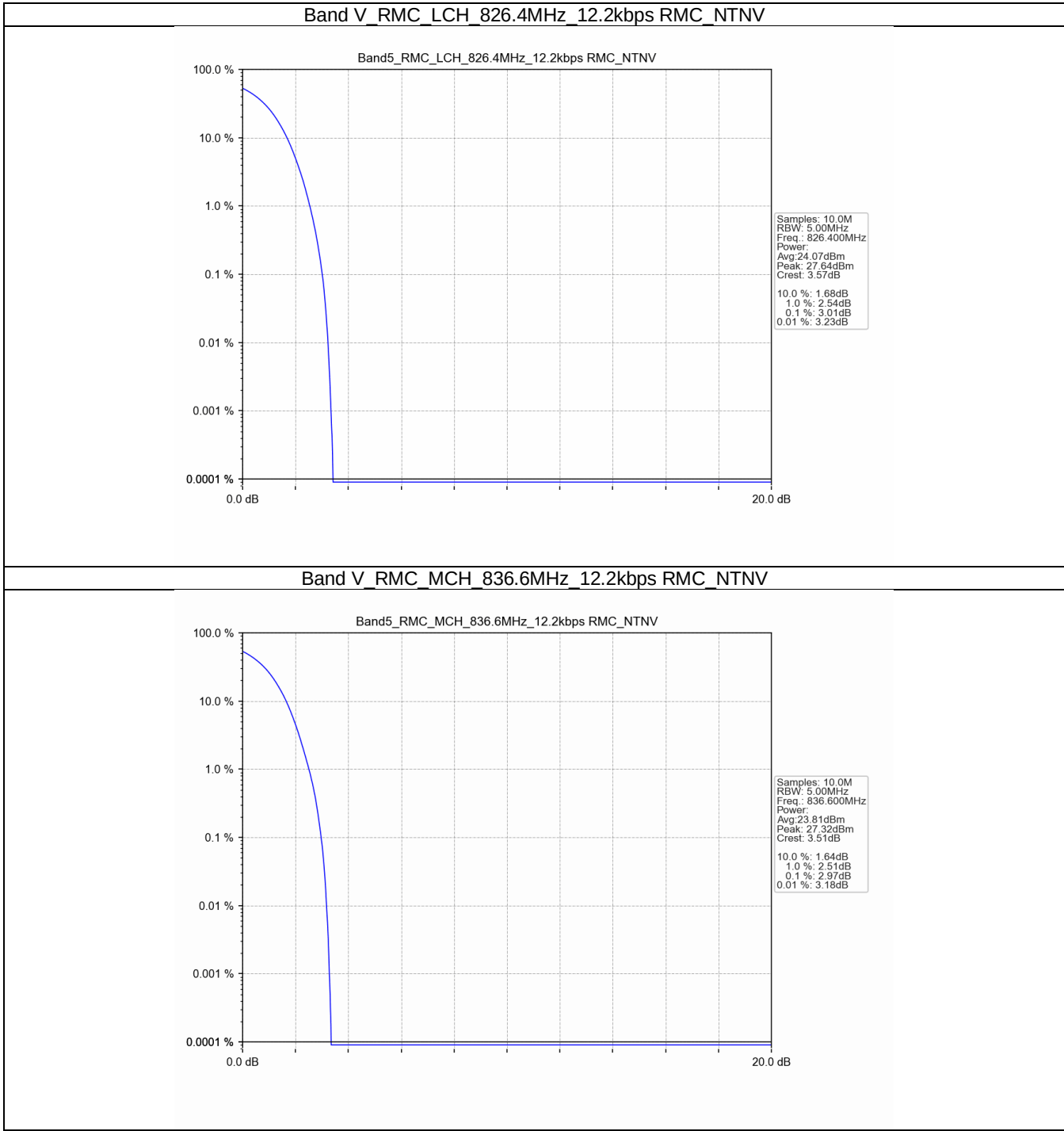
4.1 Test Result

4.1.1 Band V

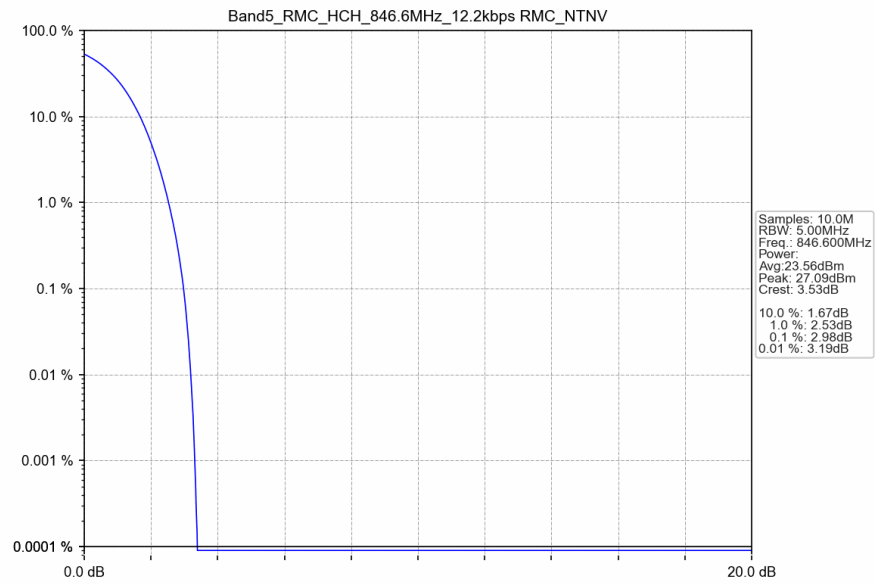
Band: V						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	3.01	<=13	Pass
			836.6	2.97	<=13	Pass
			846.6	2.98	<=13	Pass
	HSDPA	Subtest 1	826.4	5.98	<=13	Pass
			836.6	5.90	<=13	Pass
			846.6	6.04	<=13	Pass
	HSUPA	Subtest 1	826.4	5.54	<=13	Pass
			836.6	5.48	<=13	Pass
			846.6	5.42	<=13	Pass

4.2 Test Graph

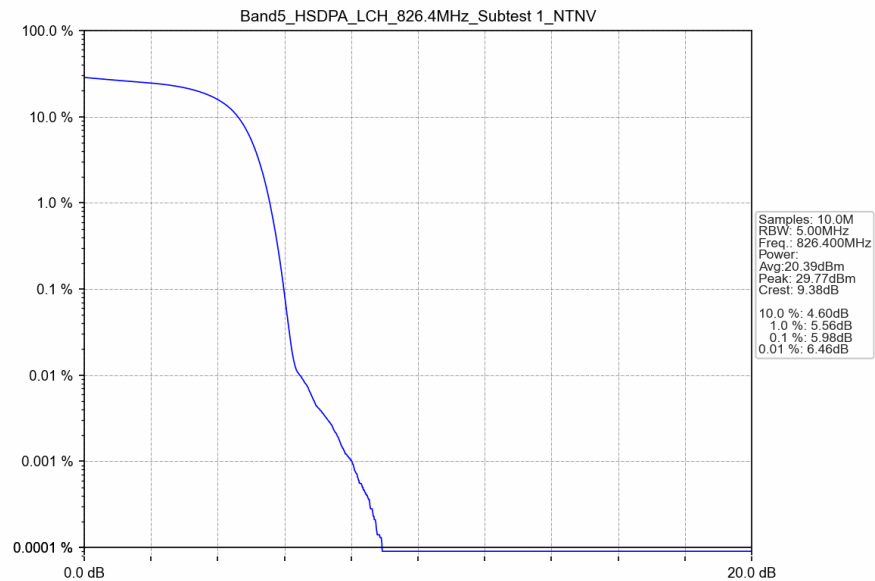
4.2.1 Band V



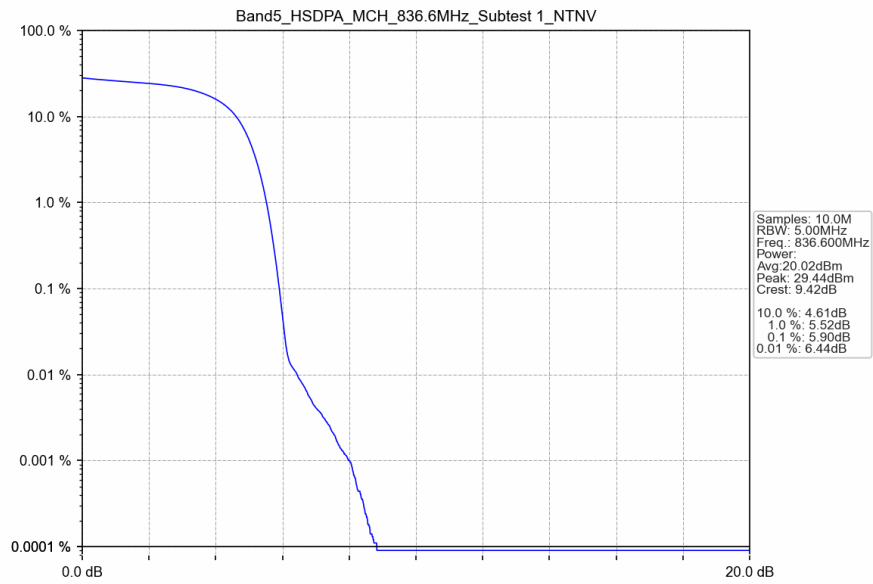
Band V RMC HCH 846.6MHz 12.2kbps RMC NTN



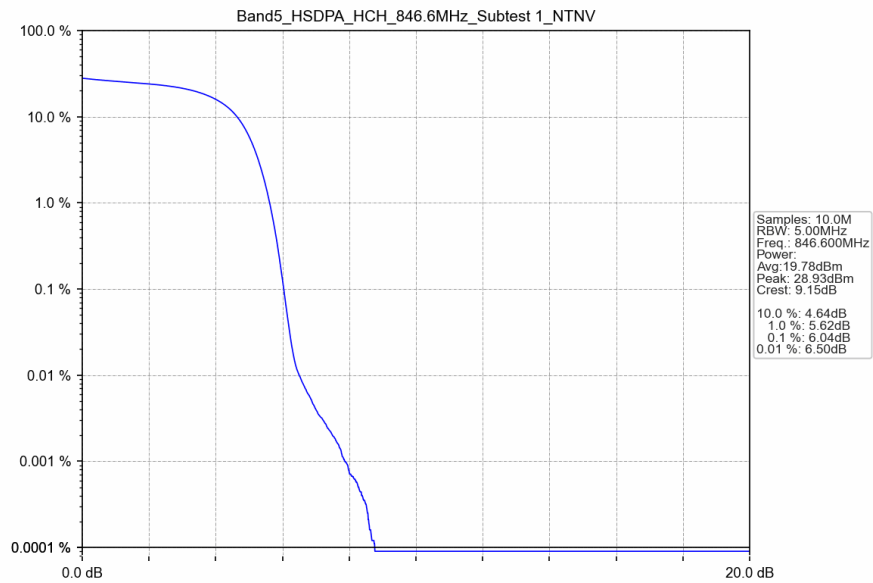
Band V HSDPA LCH 826.4MHz Subtest 1 NTN



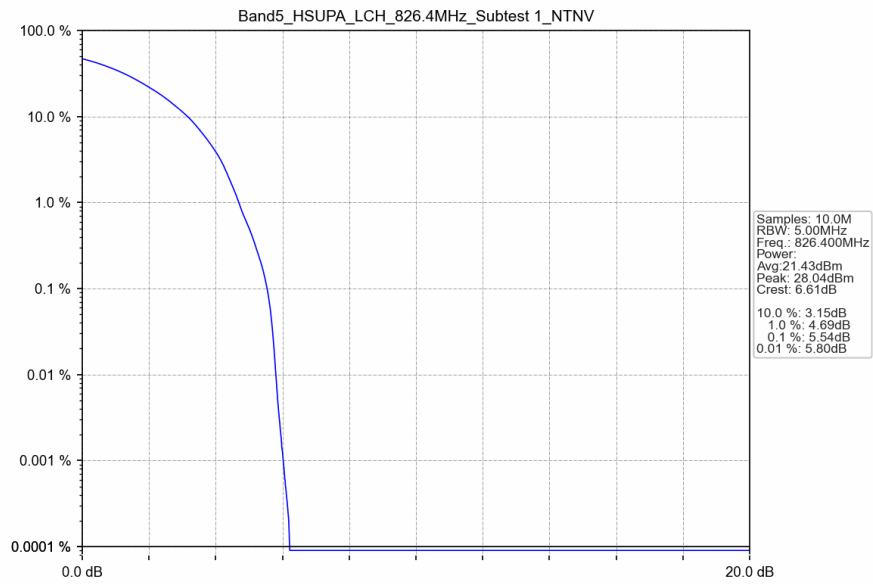
Band V HSDPA MCH 836.6MHz Subtest 1_NTNV



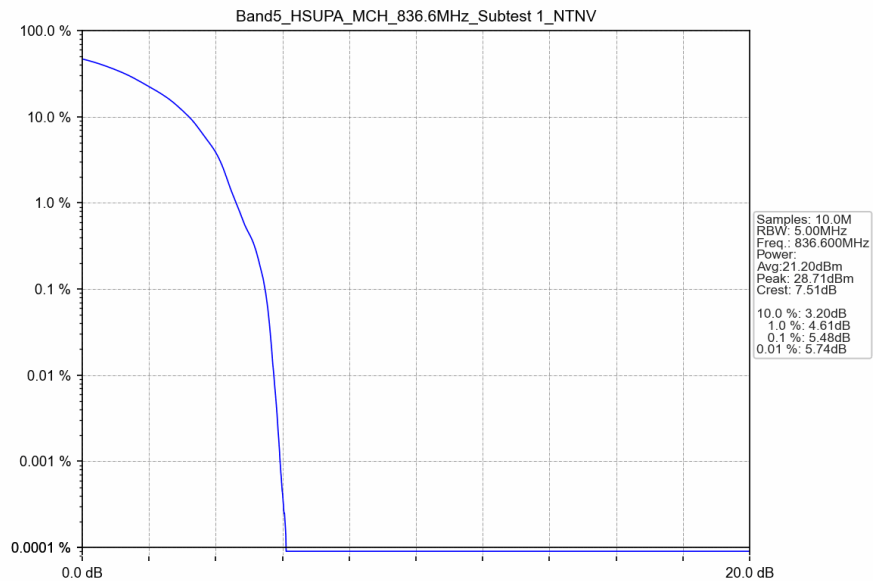
Band V HSDPA HCH 846.6MHz Subtest 1_NTNV



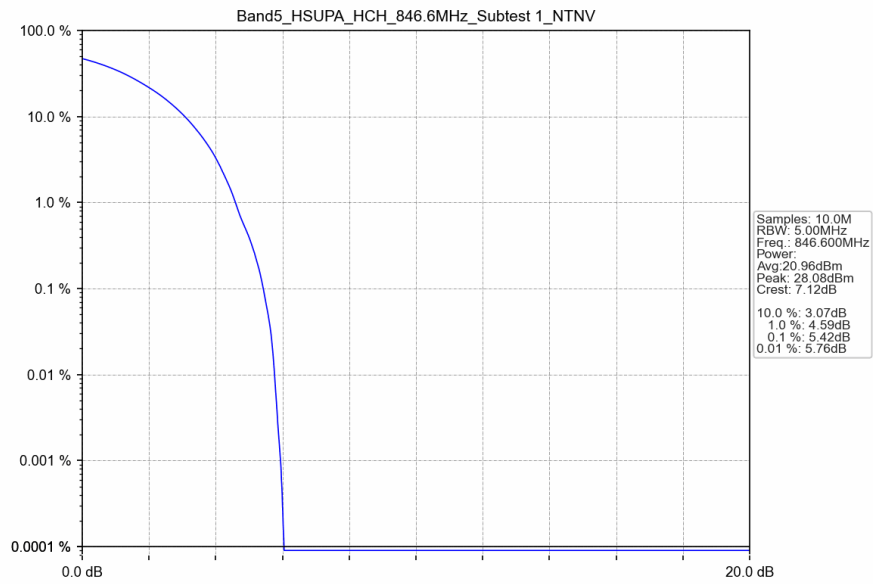
Band V_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



Band V_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



Band V HSUPA HCH 846.6MHz Subtest 1 NTN



5. Spurious Emission

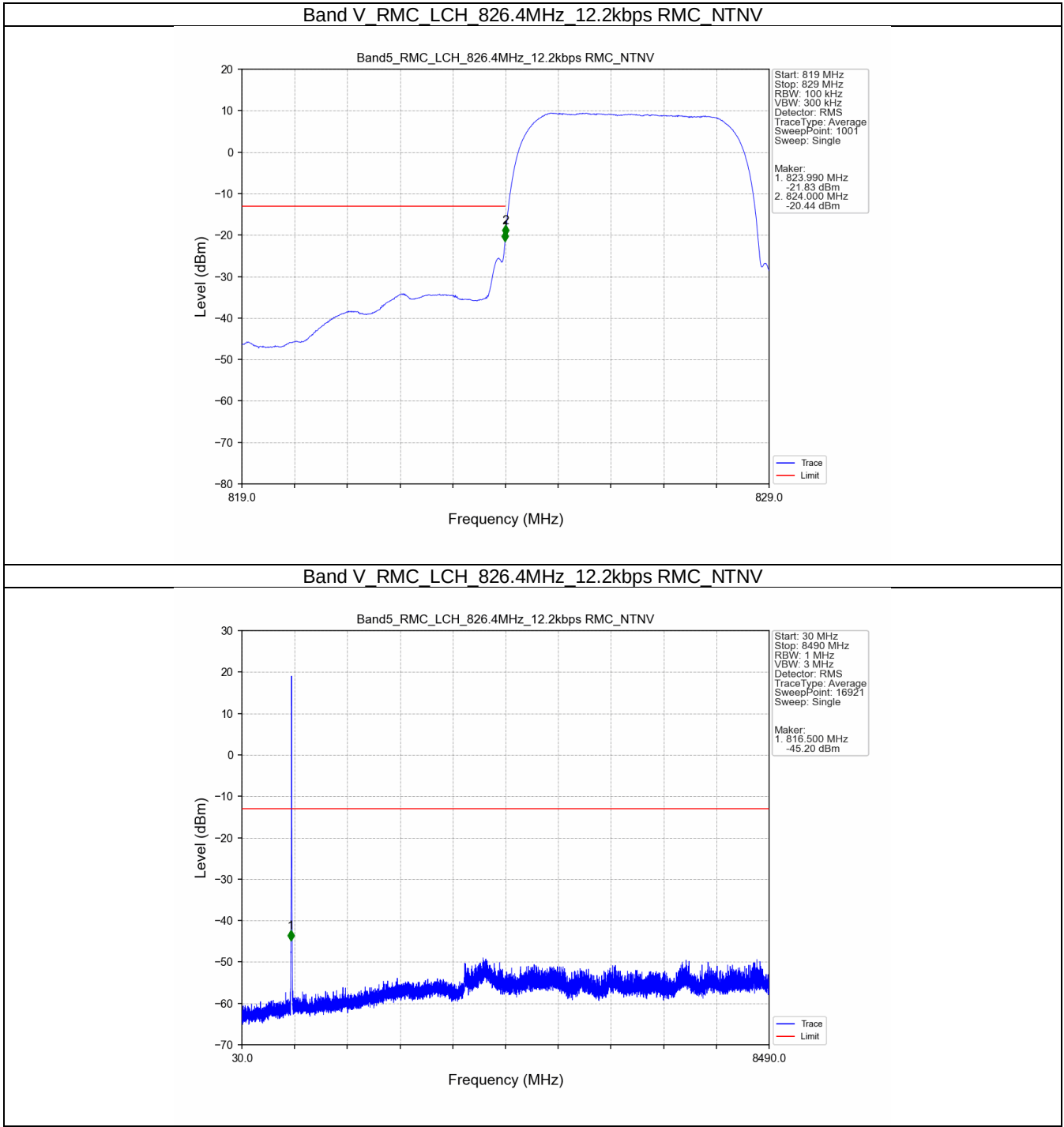
5.1 Test Result

5.1.1 Band V

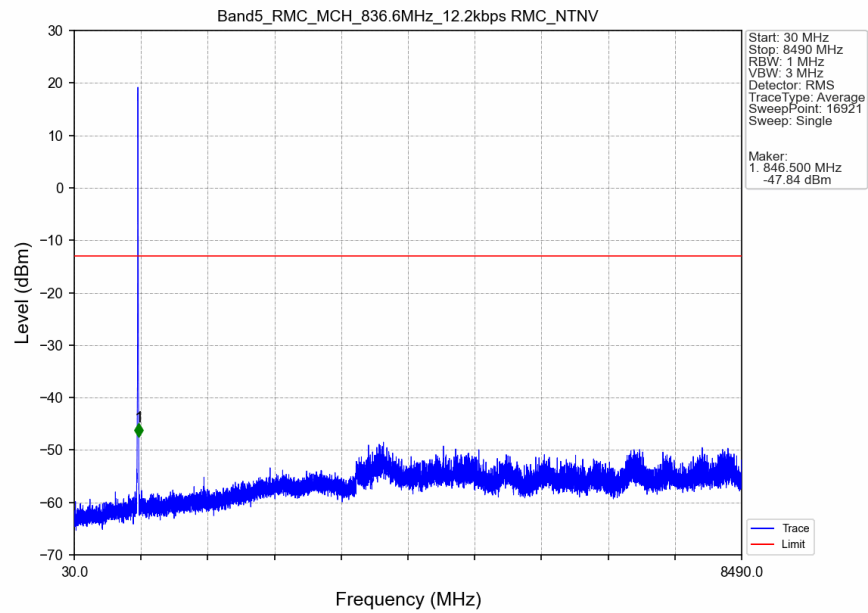
Band: V						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			846.6	Refer To Test Graph		Pass
	HSDPA	Subtest 1	826.4	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			846.6	Refer To Test Graph		Pass
	HSUPA	Subtest 1	826.4	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			846.6	Refer To Test Graph		Pass

5.2 Test Graph

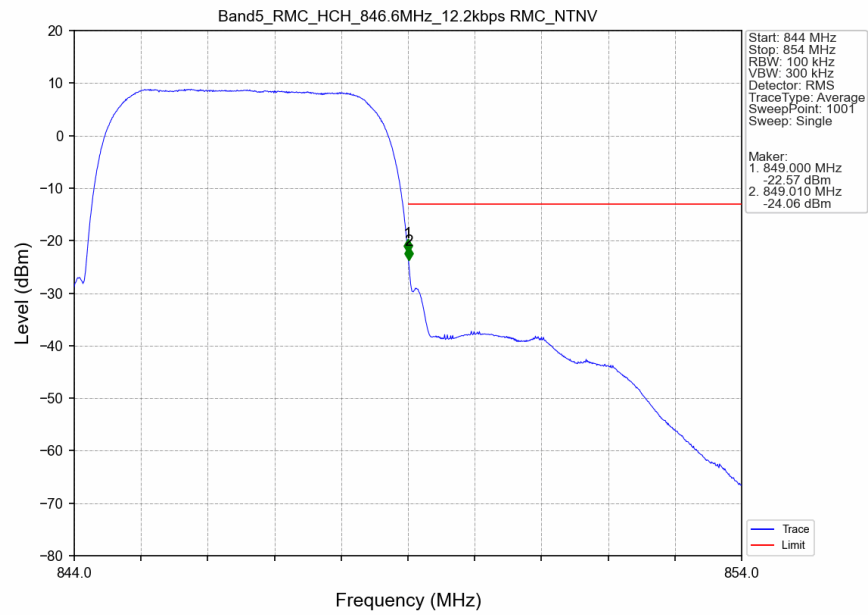
5.2.1 Band V



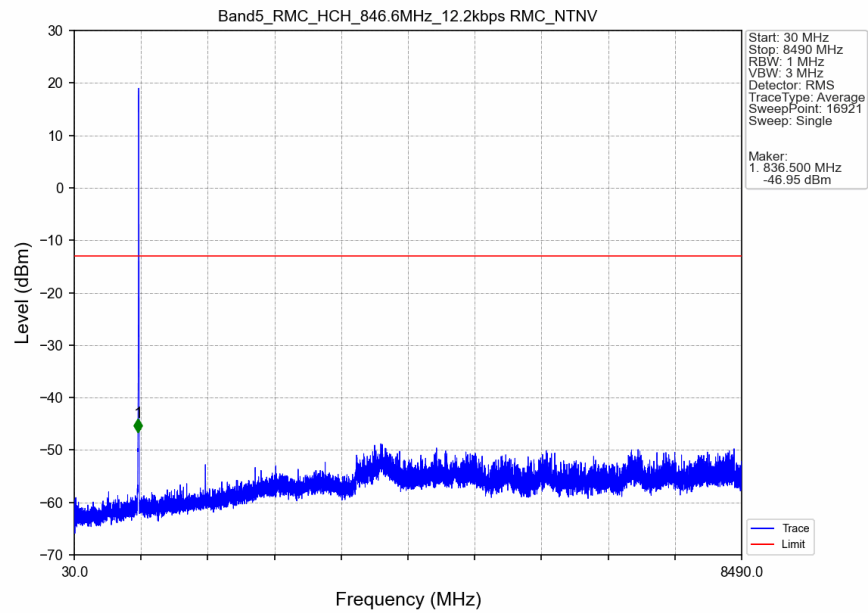
Band V_RMC_MCH_836.6MHz_12.2kbps_RMC_NTNV



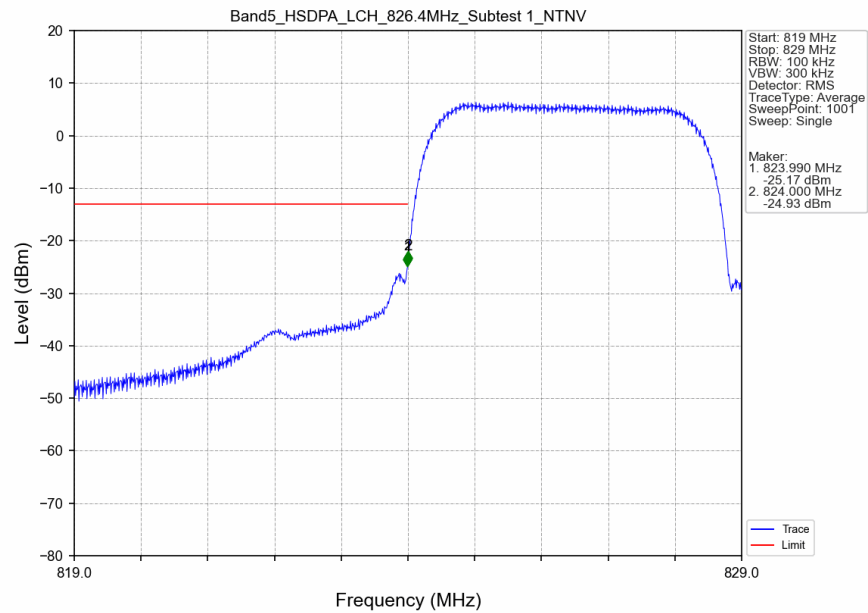
Band V_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV



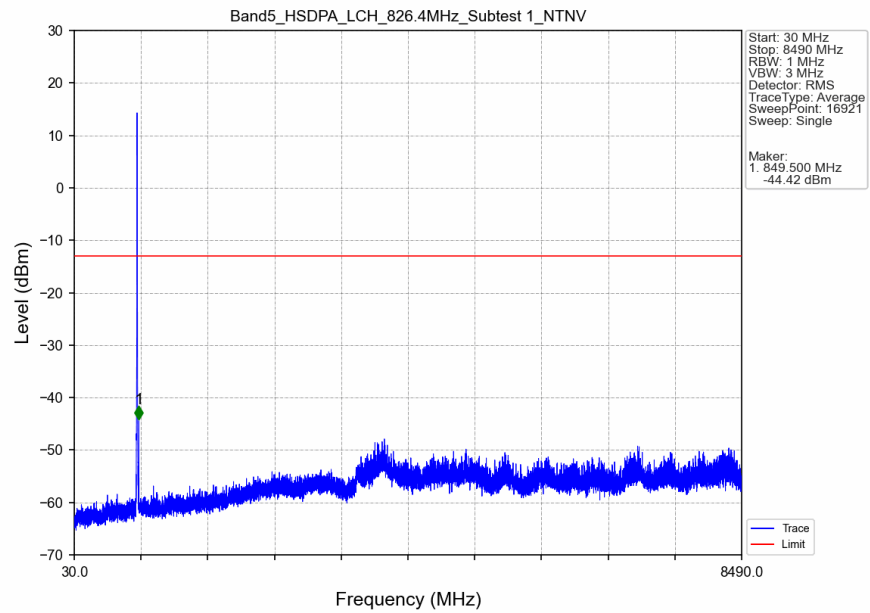
Band V_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV



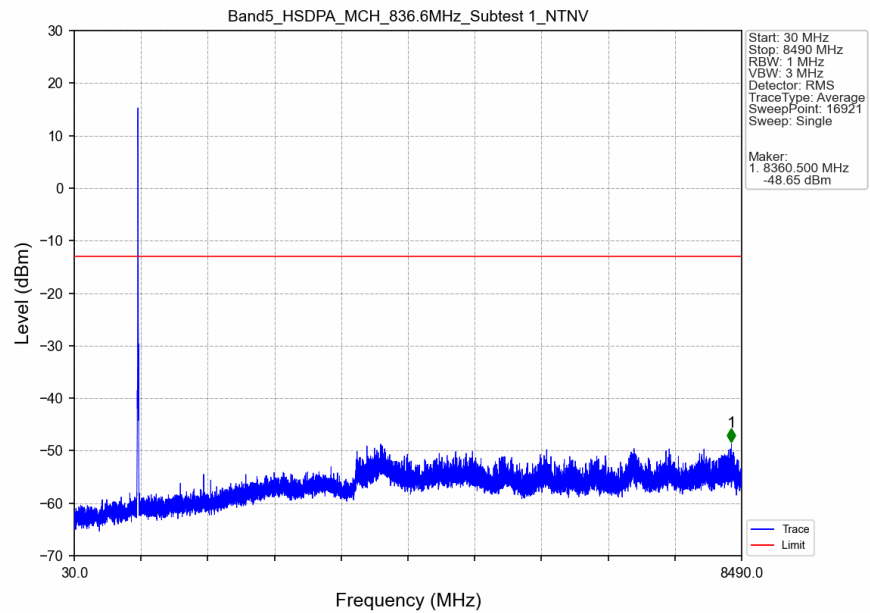
Band V_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



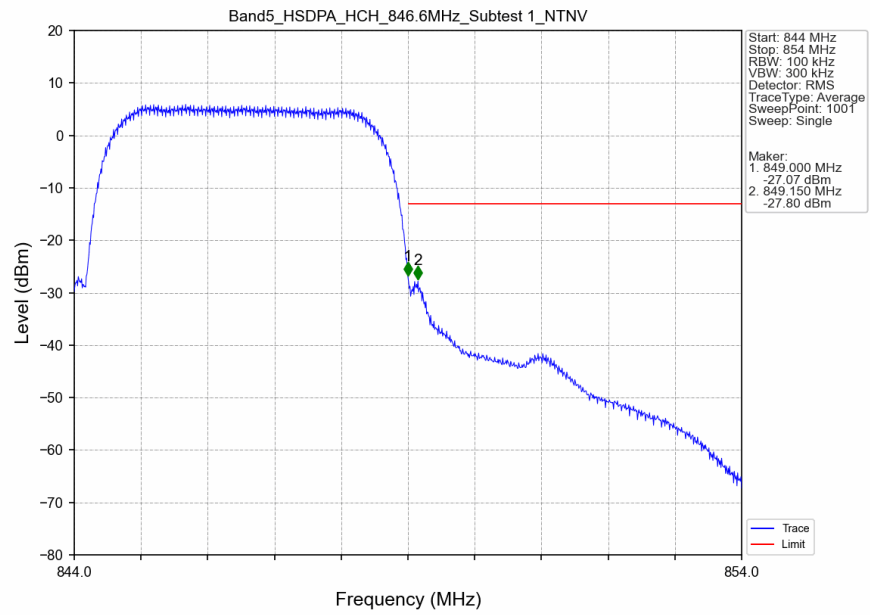
Band V HSDPA LCH 826.4MHz Subtest 1_NTNV



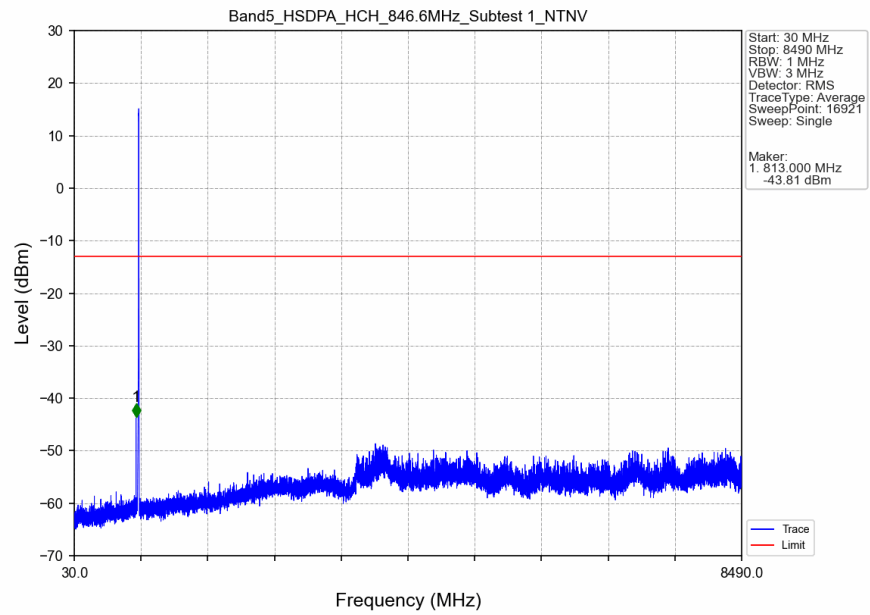
Band V HSDPA MCH 836.6MHz Subtest 1_NTNV



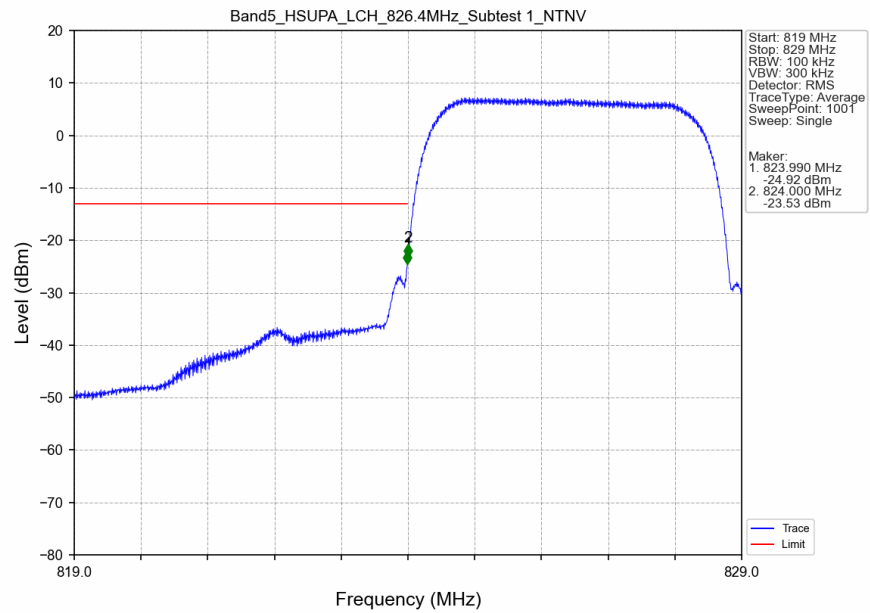
Band V HSDPA HCH 846.6MHz Subtest 1 NTN



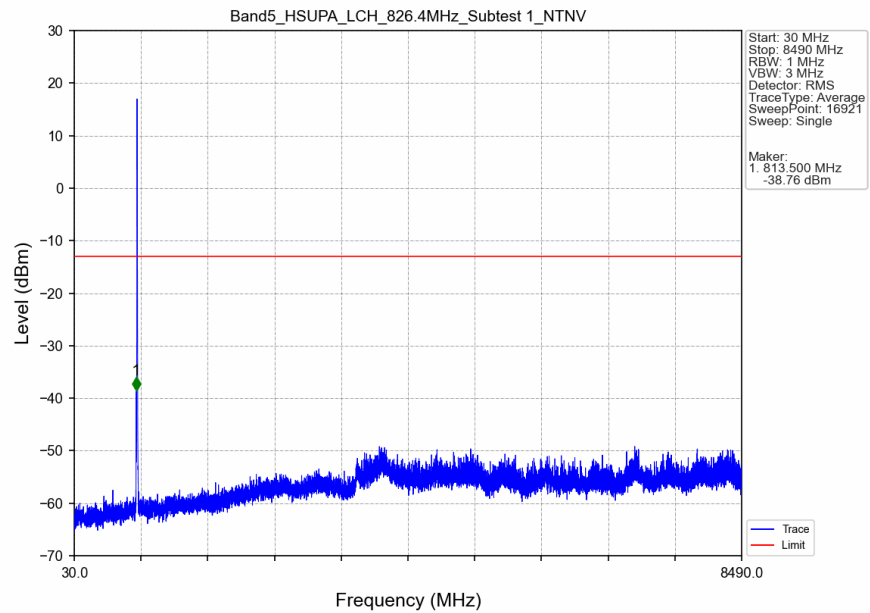
Band V HSDPA HCH 846.6MHz Subtest 1 NTN



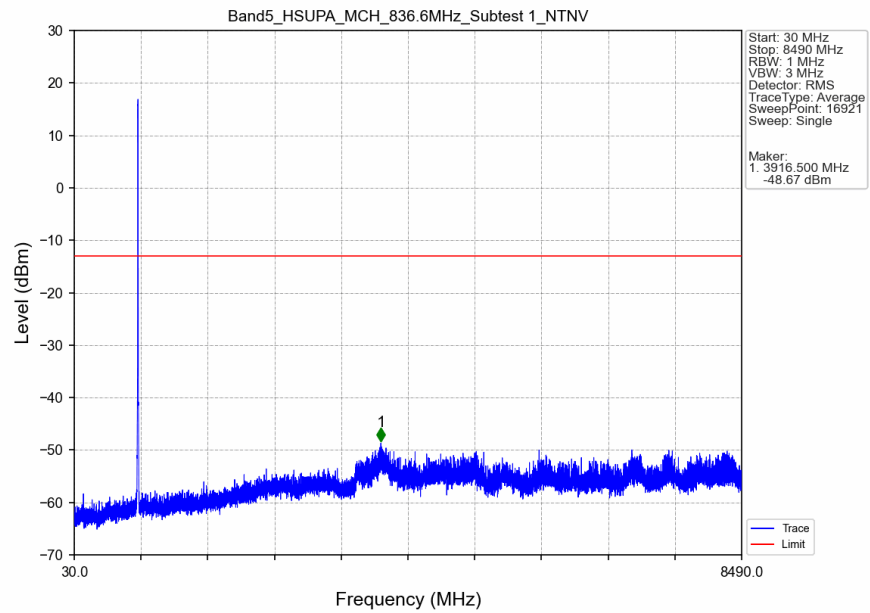
Band V HSUPA LCH 826.4MHz Subtest 1_NTNV



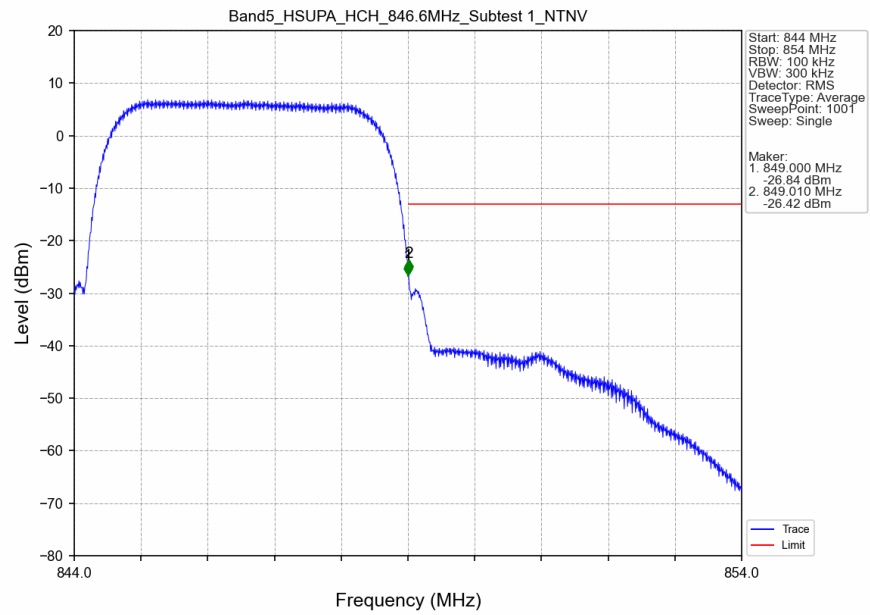
Band V HSUPA LCH 826.4MHz Subtest 1_NTNV



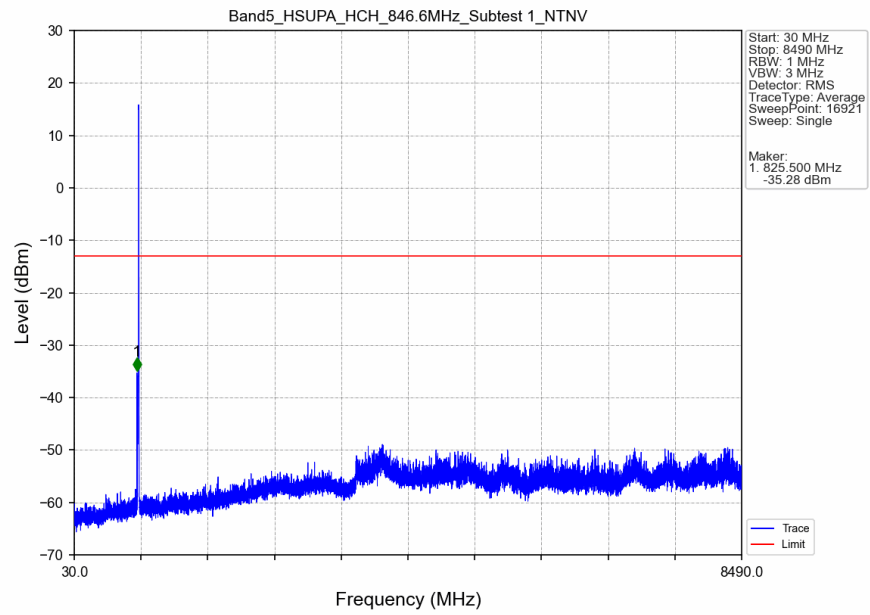
Band V HSUPA MCH 836.6MHz Subtest 1_NTNV



Band V HSUPA HCH 846.6MHz Subtest 1_NTNV



Band V HSUPA HCH 846.6MHz Subtest 1 NTN



6. Field Strength of Spurious Radiation

WCDMA Band V-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	-64.09	-13	-51.09	-66.96	2.62	5.49	Horizontal	Pass
2479.2	-61.68	-13	-48.68	-64.38	3.07	5.77	Horizontal	Pass
3305.6	-58.82	-13	-45.82	-63.2	3.3	7.68	Horizontal	Pass
1652.8	-63.2	-13	-50.2	-66.07	2.62	5.49	Vertical	Pass
2479.2	-60.93	-13	-47.93	-63.63	3.07	5.77	Vertical	Pass
3305.6	-56.78	-13	-43.78	-61.16	3.3	7.68	Vertical	Pass

WCDMA Band V-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	-62.29	-13	-49.29	-65.1	2.63	5.44	Horizontal	Pass
2509.2	-60.35	-13	-47.35	-63.11	3.08	5.84	Horizontal	Pass
3345.6	-57.65	-13	-44.65	-62.11	3.32	7.78	Horizontal	Pass
1672.8	-63.95	-13	-50.95	-66.76	2.63	5.44	Vertical	Pass
2509.2	-61.29	-13	-48.29	-64.05	3.08	5.84	Vertical	Pass
3345.6	-57.38	-13	-44.38	-61.84	3.32	7.78	Vertical	Pass

WCDMA Band V-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	-64.89	-13	-51.89	-67.65	2.63	5.39	Horizontal	Pass
2539.8	-59.55	-13	-46.55	-62.37	3.09	5.91	Horizontal	Pass
3386.4	-58.13	-13	-45.13	-62.68	3.34	7.89	Horizontal	Pass
1693.2	-62.66	-13	-49.66	-65.42	2.63	5.39	Vertical	Pass
2539.8	-61.89	-13	-48.89	-64.71	3.09	5.91	Vertical	Pass
3386.4	-57.91	-13	-44.91	-62.46	3.34	7.89	Vertical	Pass