

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 Band V_ERP

Band: IV								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	23.71	-2.12	19.44	<=38.45	Pass
			836.6	23.81	-2.12	19.54	<=38.45	Pass
			846.6	23.71	-2.12	19.44	<=38.45	Pass
	HSDPA	Subtest 1	826.4	21.92	-2.12	17.65	<=38.45	Pass
		Subtest 2	826.4	21.91	-2.12	17.64	<=38.45	Pass
		Subtest 3	826.4	21.92	-2.12	17.65	<=38.45	Pass
		Subtest 4	826.4	21.89	-2.12	17.62	<=38.45	Pass
		Subtest 1	836.6	22.08	-2.12	17.81	<=38.45	Pass
		Subtest 2	836.6	22.08	-2.12	17.81	<=38.45	Pass
		Subtest 3	836.6	22.09	-2.12	17.82	<=38.45	Pass
		Subtest 4	836.6	22.07	-2.12	17.80	<=38.45	Pass
		Subtest 1	846.6	21.96	-2.12	17.69	<=38.45	Pass
		Subtest 2	846.6	21.92	-2.12	17.65	<=38.45	Pass
		Subtest 3	846.6	21.96	-2.12	17.69	<=38.45	Pass
		Subtest 4	846.6	21.94	-2.12	17.67	<=38.45	Pass
	HSUPA	Subtest 1	826.4	20.43	-2.12	16.16	<=38.45	Pass
		Subtest 2	826.4	20.67	-2.12	16.40	<=38.45	Pass
		Subtest 3	826.4	20.45	-2.12	16.18	<=38.45	Pass
		Subtest 4	826.4	19.49	-2.12	15.22	<=38.45	Pass
		Subtest 5	826.4	19.91	-2.12	15.64	<=38.45	Pass
		Subtest 1	836.6	20.31	-2.12	16.04	<=38.45	Pass
		Subtest 2	836.6	20.83	-2.12	16.56	<=38.45	Pass
		Subtest 3	836.6	21.05	-2.12	16.78	<=38.45	Pass
		Subtest 4	836.6	19.64	-2.12	15.37	<=38.45	Pass
		Subtest 5	836.6	19.83	-2.12	15.56	<=38.45	Pass
		Subtest 1	846.6	20.24	-2.12	15.97	<=38.45	Pass
		Subtest 2	846.6	20.70	-2.12	16.43	<=38.45	Pass
		Subtest 3	846.6	20.93	-2.12	16.66	<=38.45	Pass
		Subtest 4	846.6	19.50	-2.12	15.23	<=38.45	Pass
		Subtest 5	846.6	19.71	-2.12	15.44	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 Band V

Band: IV							
Network	Frequency (MHz)	Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	826.4	20	LV	-0.198	-0.0002	-2.5 to 2.5	Pass
			NV	0.002	0.0000	-2.5 to 2.5	Pass
			HV	-0.225	-0.0003	-2.5 to 2.5	Pass
		-30	NV	0.079	0.0001	-2.5 to 2.5	Pass
		-20	NV	0.448	0.0005	-2.5 to 2.5	Pass
		-10	NV	-0.369	-0.0004	-2.5 to 2.5	Pass
		0	NV	-0.060	-0.0001	-2.5 to 2.5	Pass
		10	NV	0.297	0.0004	-2.5 to 2.5	Pass
		30	NV	0.115	0.0001	-2.5 to 2.5	Pass
		40	NV	-0.109	-0.0001	-2.5 to 2.5	Pass
		50	NV	-0.227	-0.0003	-2.5 to 2.5	Pass
	836.6	20	LV	-0.104	-0.0001	-2.5 to 2.5	Pass
			NV	-0.157	-0.0002	-2.5 to 2.5	Pass
			HV	0.057	0.0001	-2.5 to 2.5	Pass
		-30	NV	0.439	0.0005	-2.5 to 2.5	Pass
		-20	NV	0.050	0.0001	-2.5 to 2.5	Pass
		-10	NV	0.148	0.0002	-2.5 to 2.5	Pass
		0	NV	-1.249	-0.0015	-2.5 to 2.5	Pass
		10	NV	0.302	0.0004	-2.5 to 2.5	Pass
		30	NV	0.285	0.0003	-2.5 to 2.5	Pass
		40	NV	-0.206	-0.0002	-2.5 to 2.5	Pass
		50	NV	-0.226	-0.0003	-2.5 to 2.5	Pass
	846.6	20	LV	-0.177	-0.0002	-2.5 to 2.5	Pass
			NV	0.320	0.0004	-2.5 to 2.5	Pass
			HV	-0.111	-0.0001	-2.5 to 2.5	Pass
		-30	NV	-0.198	-0.0002	-2.5 to 2.5	Pass
		-20	NV	0.511	0.0006	-2.5 to 2.5	Pass
		-10	NV	-0.062	-0.0001	-2.5 to 2.5	Pass
		0	NV	-0.316	-0.0004	-2.5 to 2.5	Pass
		10	NV	-0.610	-0.0007	-2.5 to 2.5	Pass
		30	NV	-0.019	0.0000	-2.5 to 2.5	Pass
		40	NV	-0.311	-0.0004	-2.5 to 2.5	Pass
		50	NV	-0.709	-0.0008	-2.5 to 2.5	Pass
HSDPA	826.4	20	LV	0.010	0.0000	-2.5 to 2.5	Pass
			NV	0.376	0.0005	-2.5 to 2.5	Pass
			HV	0.161	0.0002	-2.5 to 2.5	Pass
		-30	NV	-0.266	-0.0003	-2.5 to 2.5	Pass
		-20	NV	0.380	0.0005	-2.5 to 2.5	Pass
		-10	NV	0.357	0.0004	-2.5 to 2.5	Pass
		0	NV	0.153	0.0002	-2.5 to 2.5	Pass
		10	NV	-0.505	-0.0006	-2.5 to 2.5	Pass
		30	NV	0.451	0.0005	-2.5 to 2.5	Pass
		40	NV	-0.332	-0.0004	-2.5 to 2.5	Pass
		50	NV	0.128	0.0002	-2.5 to 2.5	Pass
	836.6	20	LV	-0.483	-0.0006	-2.5 to 2.5	Pass
			NV	-0.272	-0.0003	-2.5 to 2.5	Pass
			HV	-0.745	-0.0009	-2.5 to 2.5	Pass

		-30	NV	-0.387	-0.0005	-2.5 to 2.5	Pass
		-20	NV	-0.314	-0.0004	-2.5 to 2.5	Pass
		-10	NV	-0.555	-0.0007	-2.5 to 2.5	Pass
		0	NV	-0.277	-0.0003	-2.5 to 2.5	Pass
		10	NV	-0.754	-0.0009	-2.5 to 2.5	Pass
		30	NV	-0.683	-0.0008	-2.5 to 2.5	Pass
		40	NV	-0.616	-0.0007	-2.5 to 2.5	Pass
		50	NV	0.094	0.0001	-2.5 to 2.5	Pass
	846.6	20	LV	-1.704	-0.0020	-2.5 to 2.5	Pass
			NV	-2.061	-0.0024	-2.5 to 2.5	Pass
			HV	-1.943	-0.0023	-2.5 to 2.5	Pass
		-30	NV	-1.899	-0.0022	-2.5 to 2.5	Pass
		-20	NV	-2.012	-0.0024	-2.5 to 2.5	Pass
		-10	NV	-1.906	-0.0023	-2.5 to 2.5	Pass
		0	NV	-1.366	-0.0016	-2.5 to 2.5	Pass
		10	NV	-2.180	-0.0026	-2.5 to 2.5	Pass
		30	NV	-2.059	-0.0024	-2.5 to 2.5	Pass
		40	NV	-1.852	-0.0022	-2.5 to 2.5	Pass
		50	NV	-2.103	-0.0025	-2.5 to 2.5	Pass
HSUPA	826.4	20	LV	-2.183	-0.0026	-2.5 to 2.5	Pass
			NV	-1.553	-0.0019	-2.5 to 2.5	Pass
			HV	-2.269	-0.0027	-2.5 to 2.5	Pass
		-30	NV	-2.220	-0.0027	-2.5 to 2.5	Pass
		-20	NV	-0.846	-0.0010	-2.5 to 2.5	Pass
		-10	NV	-1.458	-0.0018	-2.5 to 2.5	Pass
		0	NV	-1.321	-0.0016	-2.5 to 2.5	Pass
		10	NV	-1.629	-0.0020	-2.5 to 2.5	Pass
		30	NV	-1.737	-0.0021	-2.5 to 2.5	Pass
		40	NV	-1.607	-0.0019	-2.5 to 2.5	Pass
		50	NV	-0.643	-0.0008	-2.5 to 2.5	Pass
	836.6	20	LV	-0.760	-0.0009	-2.5 to 2.5	Pass
			NV	-0.947	-0.0011	-2.5 to 2.5	Pass
			HV	-1.135	-0.0014	-2.5 to 2.5	Pass
		-30	NV	-0.427	-0.0005	-2.5 to 2.5	Pass
		-20	NV	-0.128	-0.0002	-2.5 to 2.5	Pass
		-10	NV	-0.779	-0.0009	-2.5 to 2.5	Pass
		0	NV	-0.523	-0.0006	-2.5 to 2.5	Pass
		10	NV	-0.703	-0.0008	-2.5 to 2.5	Pass
		30	NV	-1.171	-0.0014	-2.5 to 2.5	Pass
		40	NV	-1.012	-0.0012	-2.5 to 2.5	Pass
		50	NV	-0.863	-0.0010	-2.5 to 2.5	Pass
	846.6	20	LV	-1.159	-0.0014	-2.5 to 2.5	Pass
			NV	-0.073	-0.0001	-2.5 to 2.5	Pass
			HV	-0.435	-0.0005	-2.5 to 2.5	Pass
		-30	NV	-0.804	-0.0009	-2.5 to 2.5	Pass
		-20	NV	-0.601	-0.0007	-2.5 to 2.5	Pass
		-10	NV	0.026	0.0000	-2.5 to 2.5	Pass
		0	NV	-0.862	-0.0010	-2.5 to 2.5	Pass
		10	NV	-0.722	-0.0009	-2.5 to 2.5	Pass
		30	NV	-0.801	-0.0009	-2.5 to 2.5	Pass
		40	NV	-0.413	-0.0005	-2.5 to 2.5	Pass
		50	NV	0.494	0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band V_OBW

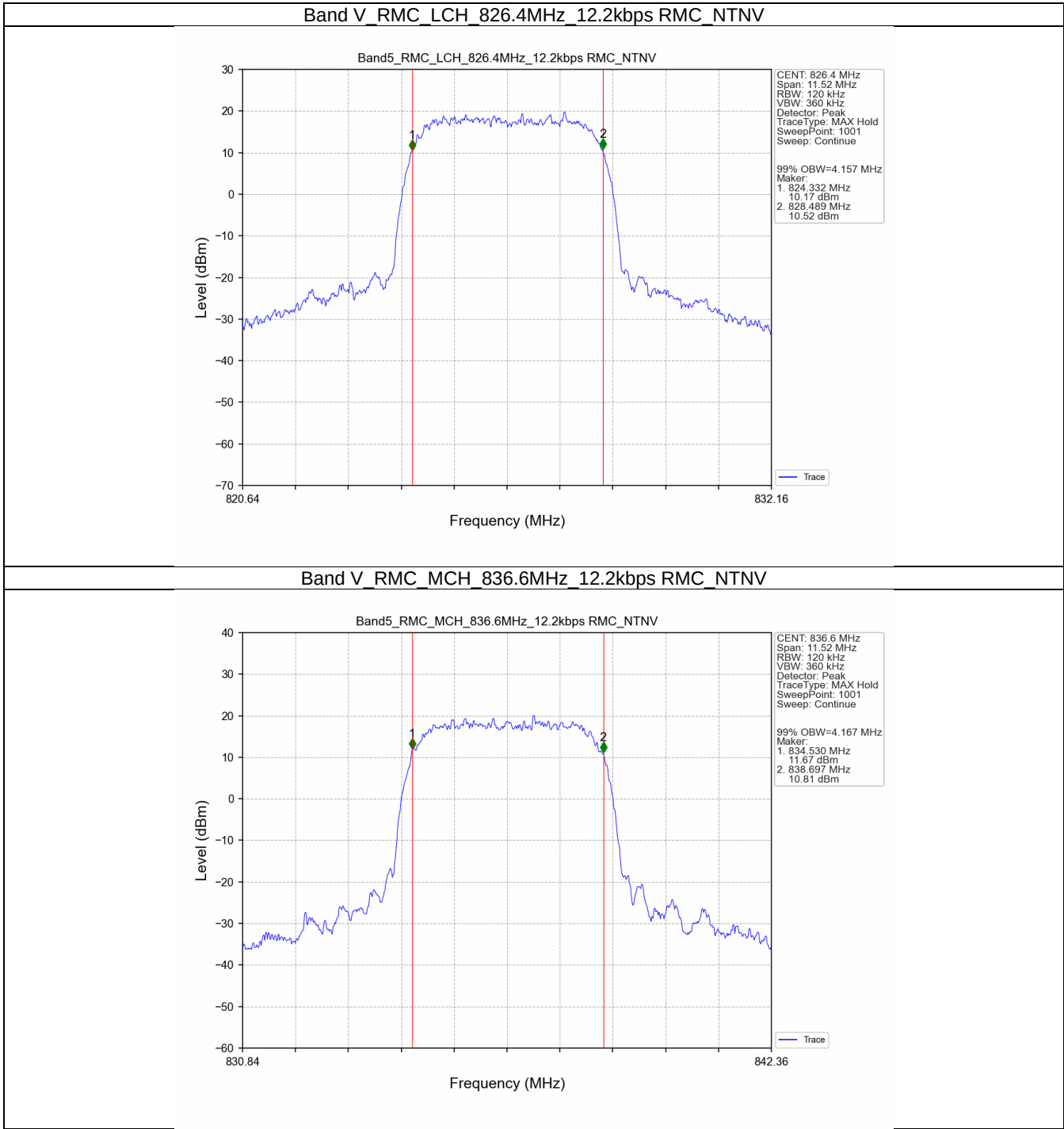
Band: IV						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.157	/	Pass
			836.6	4.167	/	Pass
			846.6	4.160	/	Pass
	HSDPA	Subtest 1	826.4	4.146	/	Pass
			836.6	4.145	/	Pass
			846.6	4.155	/	Pass
	HSUPA	Subtest 1	826.4	4.167	/	Pass
			836.6	4.155	/	Pass
			846.6	4.156	/	Pass

3.1.2 Band V_XDB

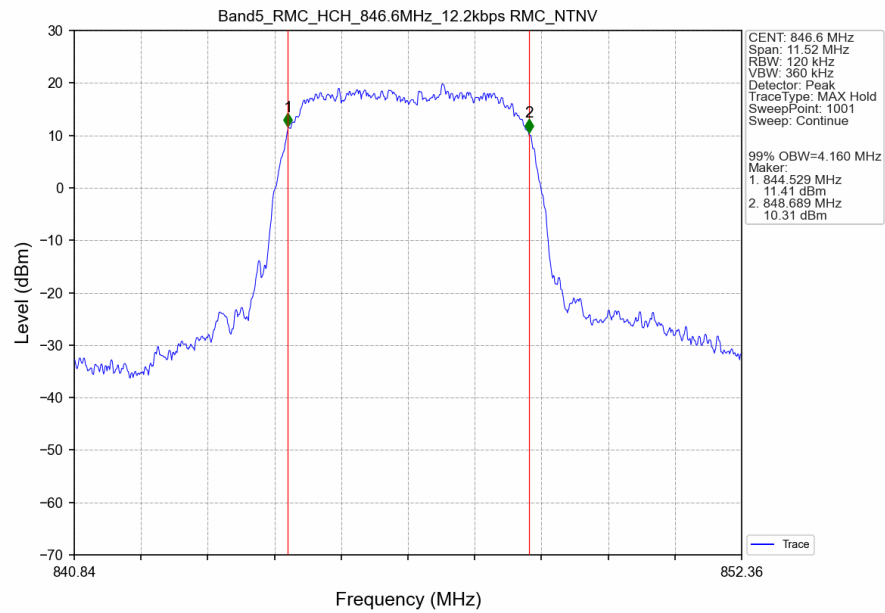
Band: IV						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.761	/	Pass
			836.6	4.753	/	Pass
			846.6	4.752	/	Pass
	HSDPA	Subtest 1	826.4	4.748	/	Pass
			836.6	4.771	/	Pass
			846.6	4.770	/	Pass
	HSUPA	Subtest 1	826.4	4.742	/	Pass
			836.6	4.753	/	Pass
			846.6	4.775	/	Pass

3.2 Test Graph

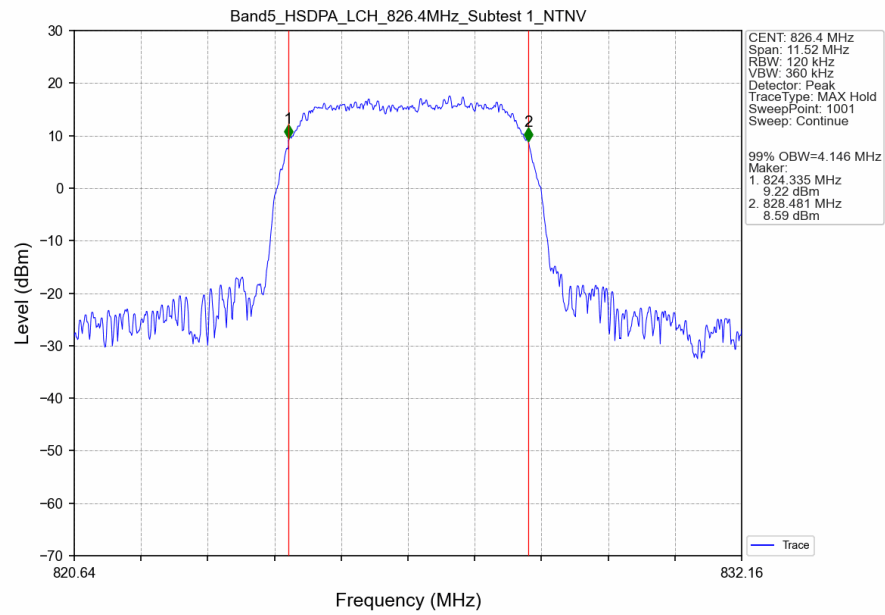
3.2.1 Band V_OBW



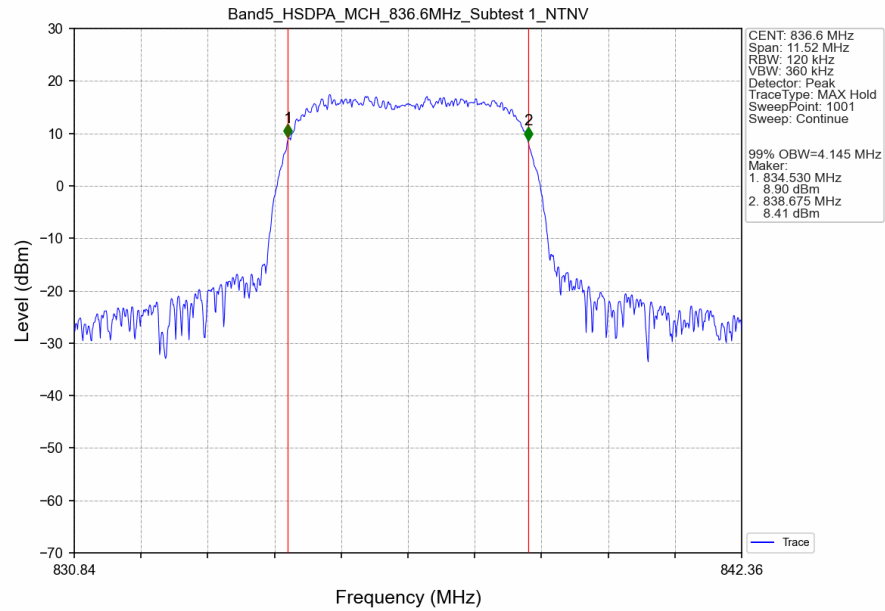
Band V_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV



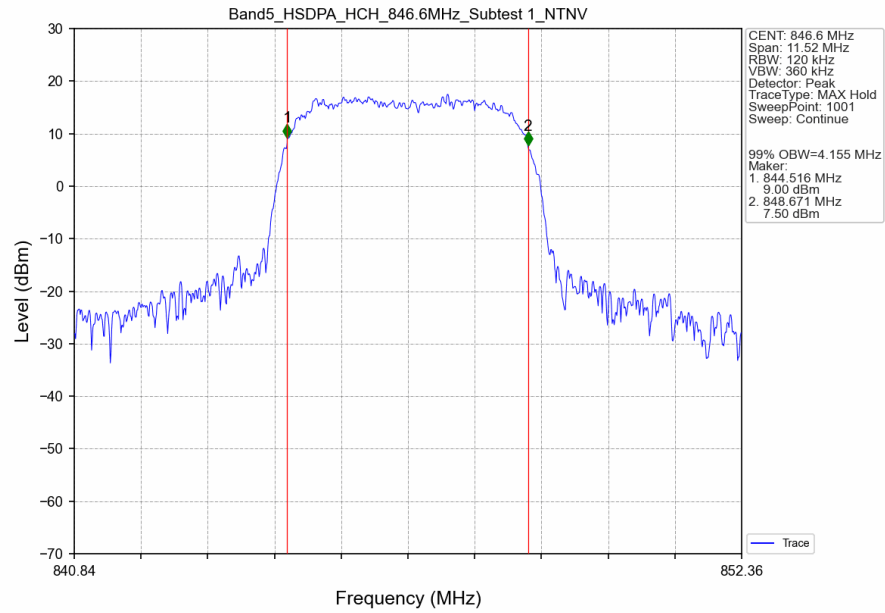
Band V_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



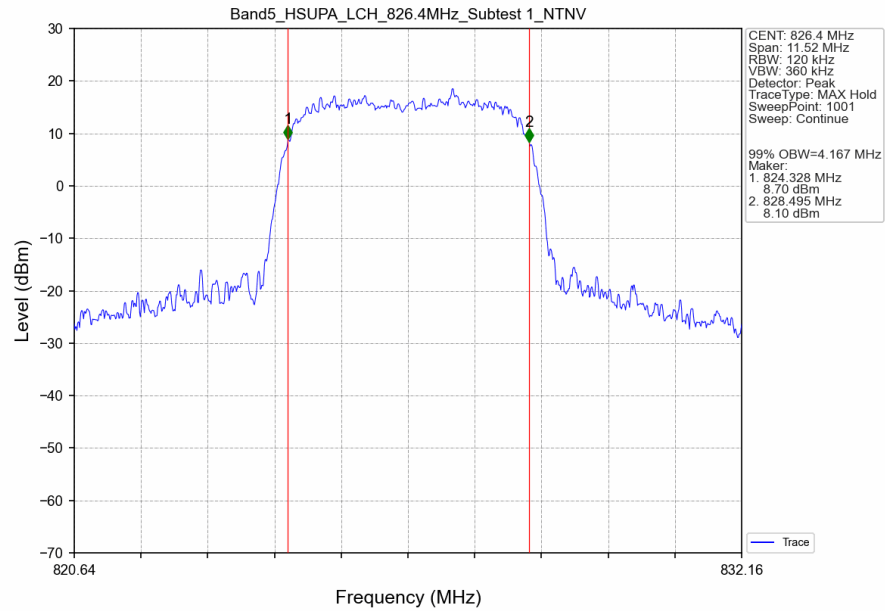
Band V HSDPA MCH 836.6MHz Subtest 1 NTN



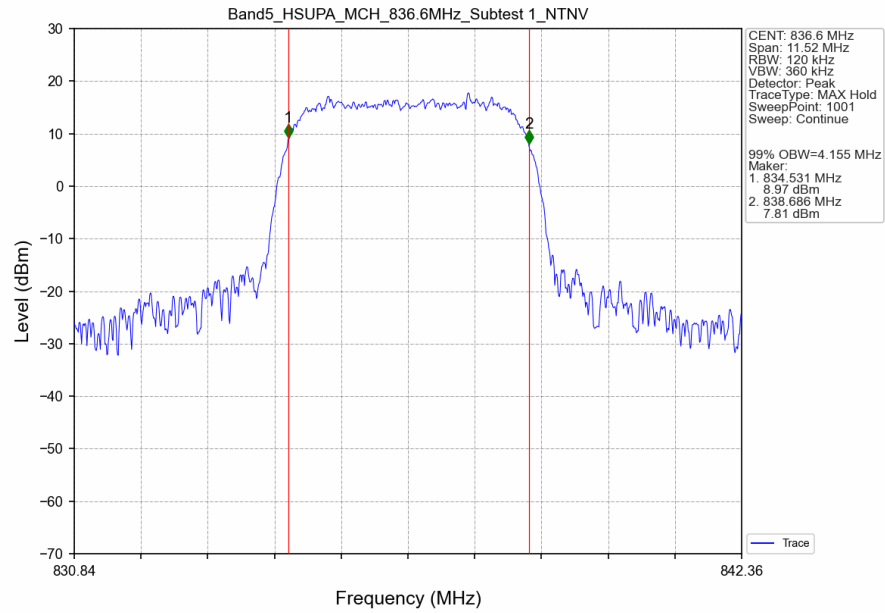
Band V HSDPA HCH 846.6MHz Subtest 1 NTN



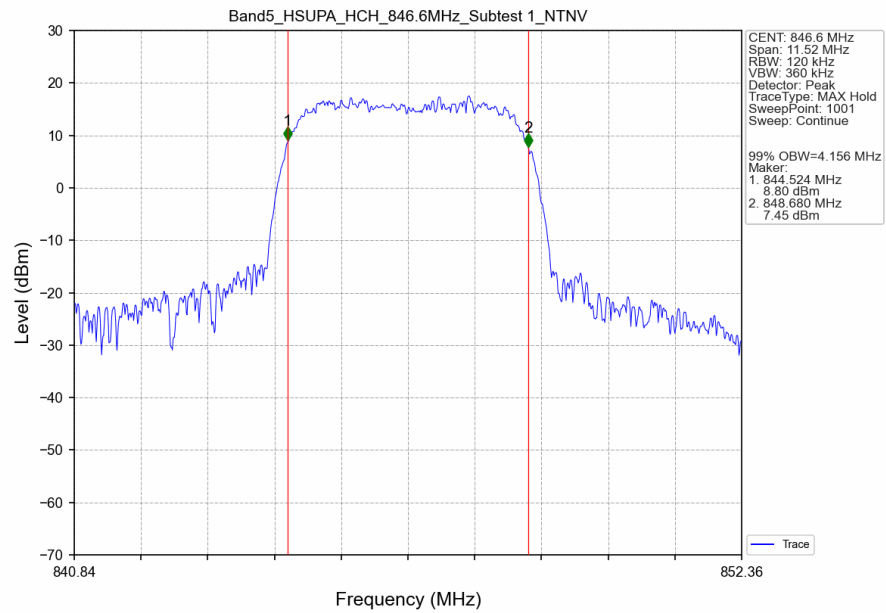
Band V HSUPA LCH 826.4MHz Subtest 1 NTN



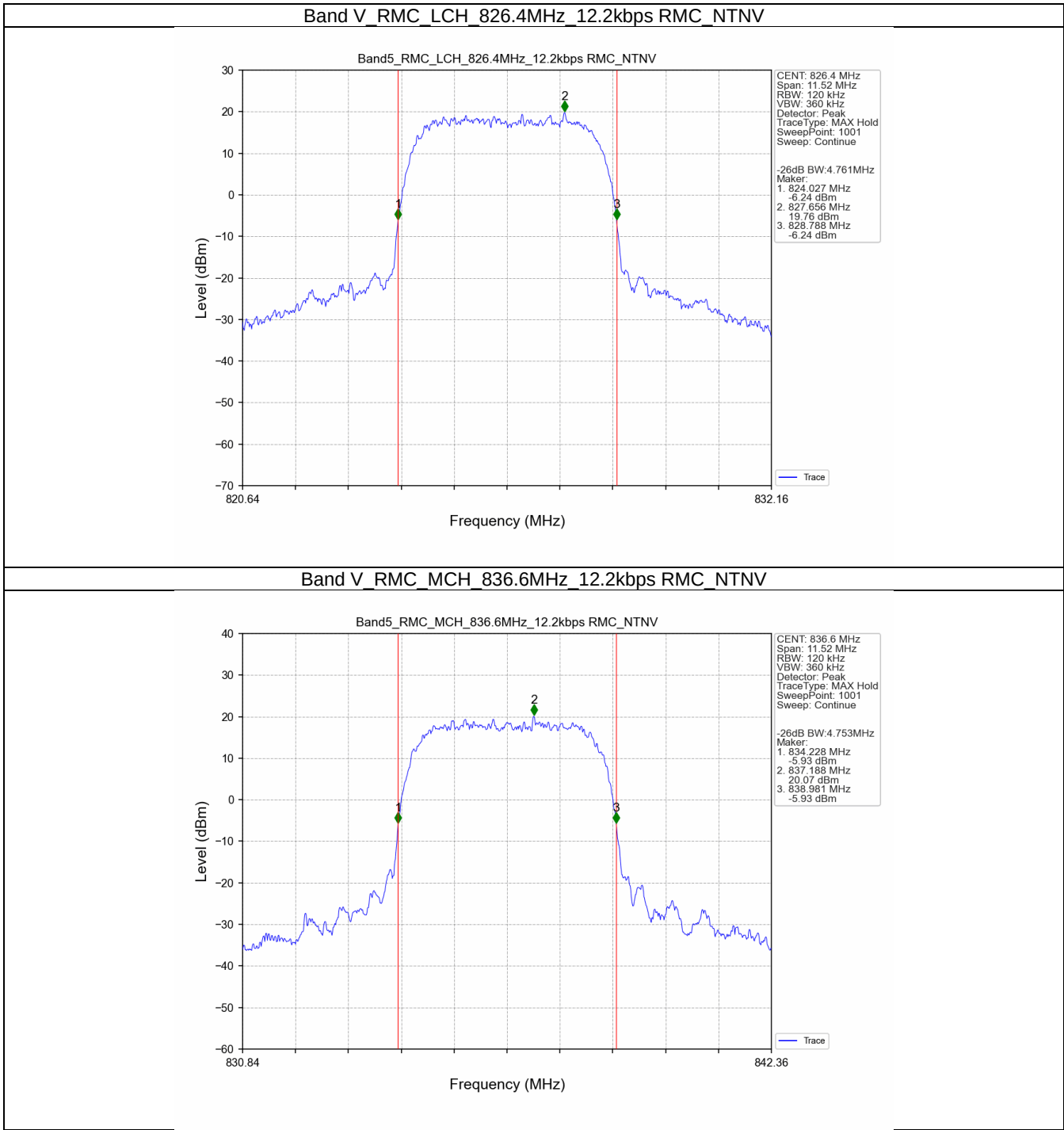
Band V HSUPA MCH 836.6MHz Subtest 1 NTN



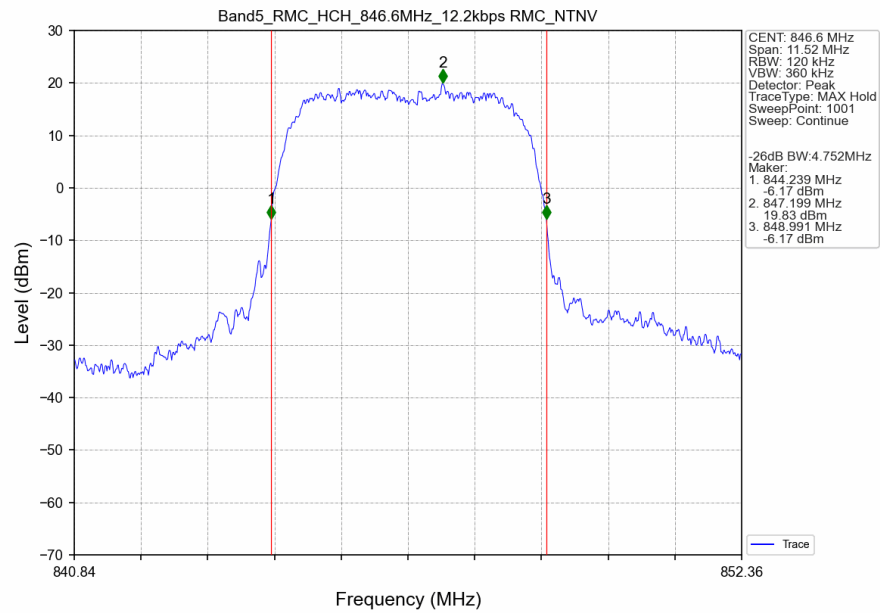
Band V HSUPA HCH 846.6MHz Subtest 1 NTN



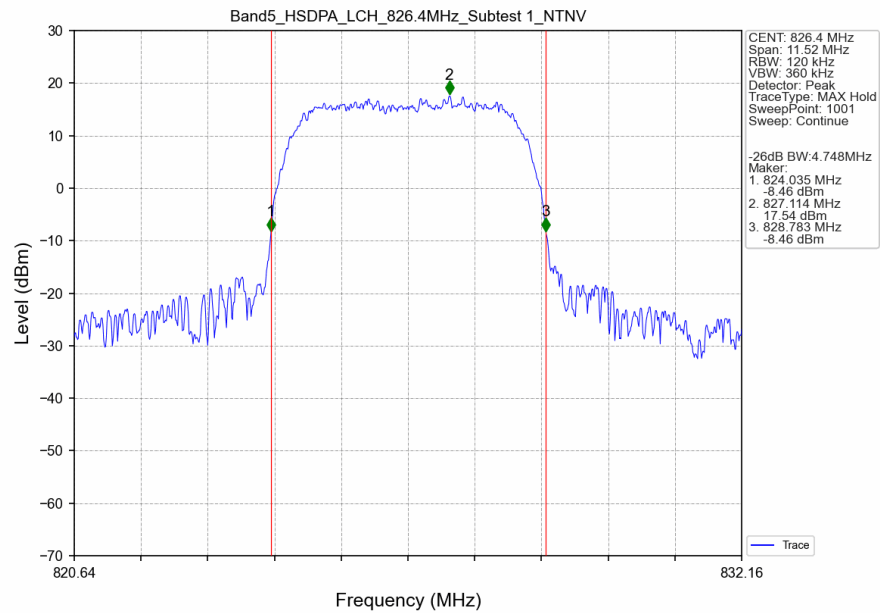
3.2.2 Band V_XDB



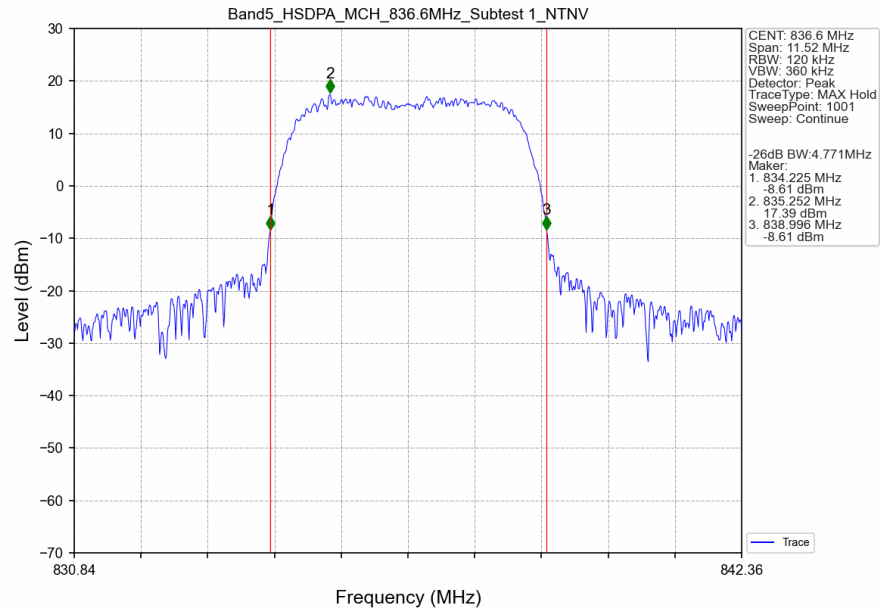
Band V_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV



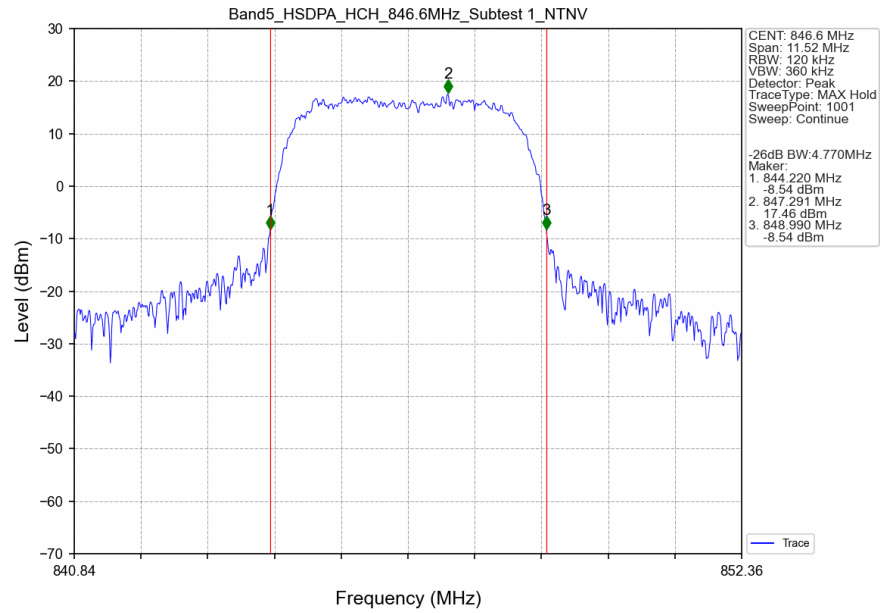
Band V_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



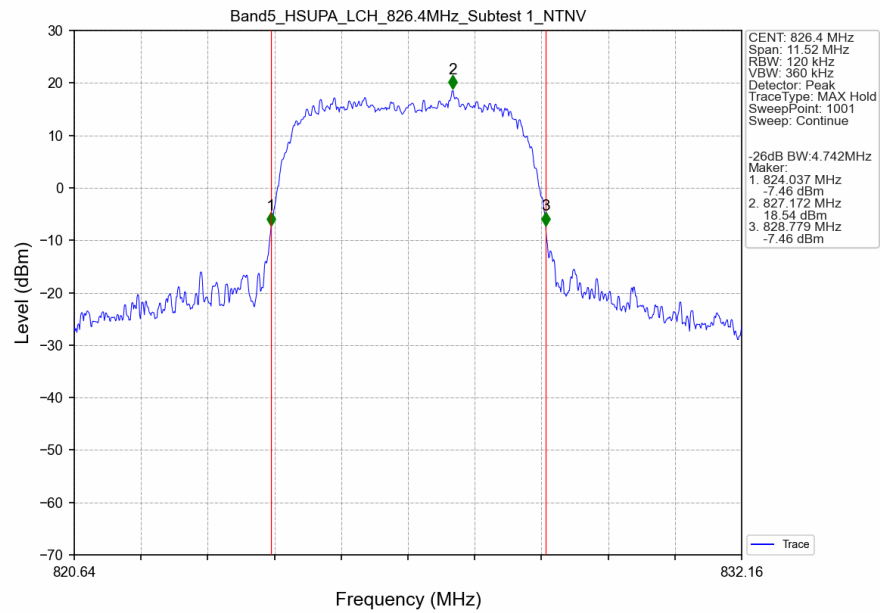
Band V HSDPA MCH 836.6MHz Subtest 1 NTN



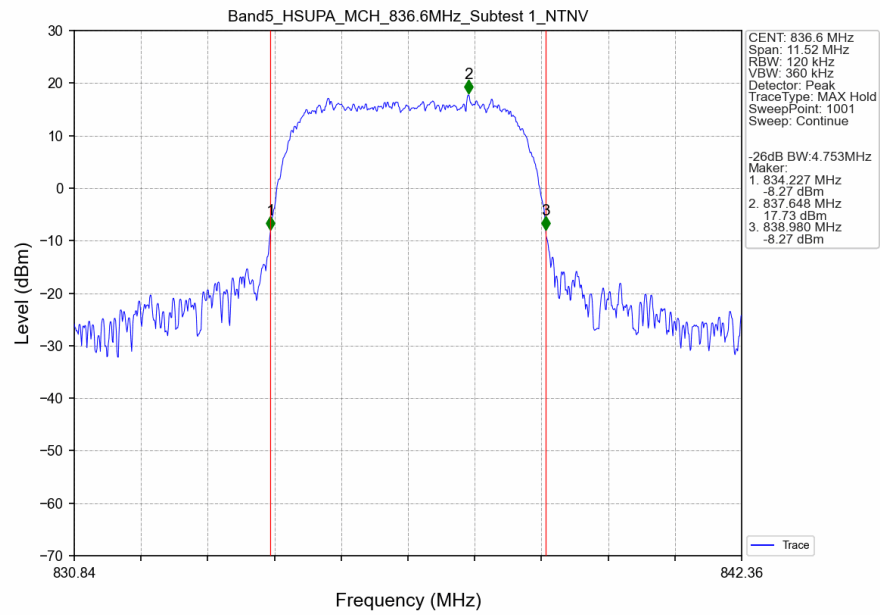
Band V HSDPA HCH 846.6MHz Subtest 1 NTN



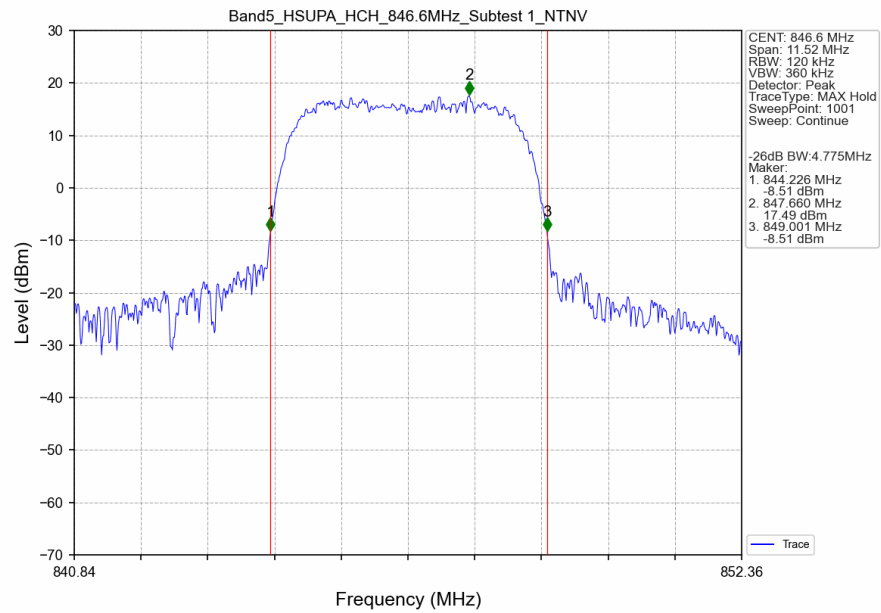
Band V HSUPA LCH 826.4MHz Subtest 1_NTNV



Band V HSUPA MCH 836.6MHz Subtest 1_NTNV



Band V HSUPA HCH 846.6MHz Subtest 1 NTN



4. Peak-Average Ratio

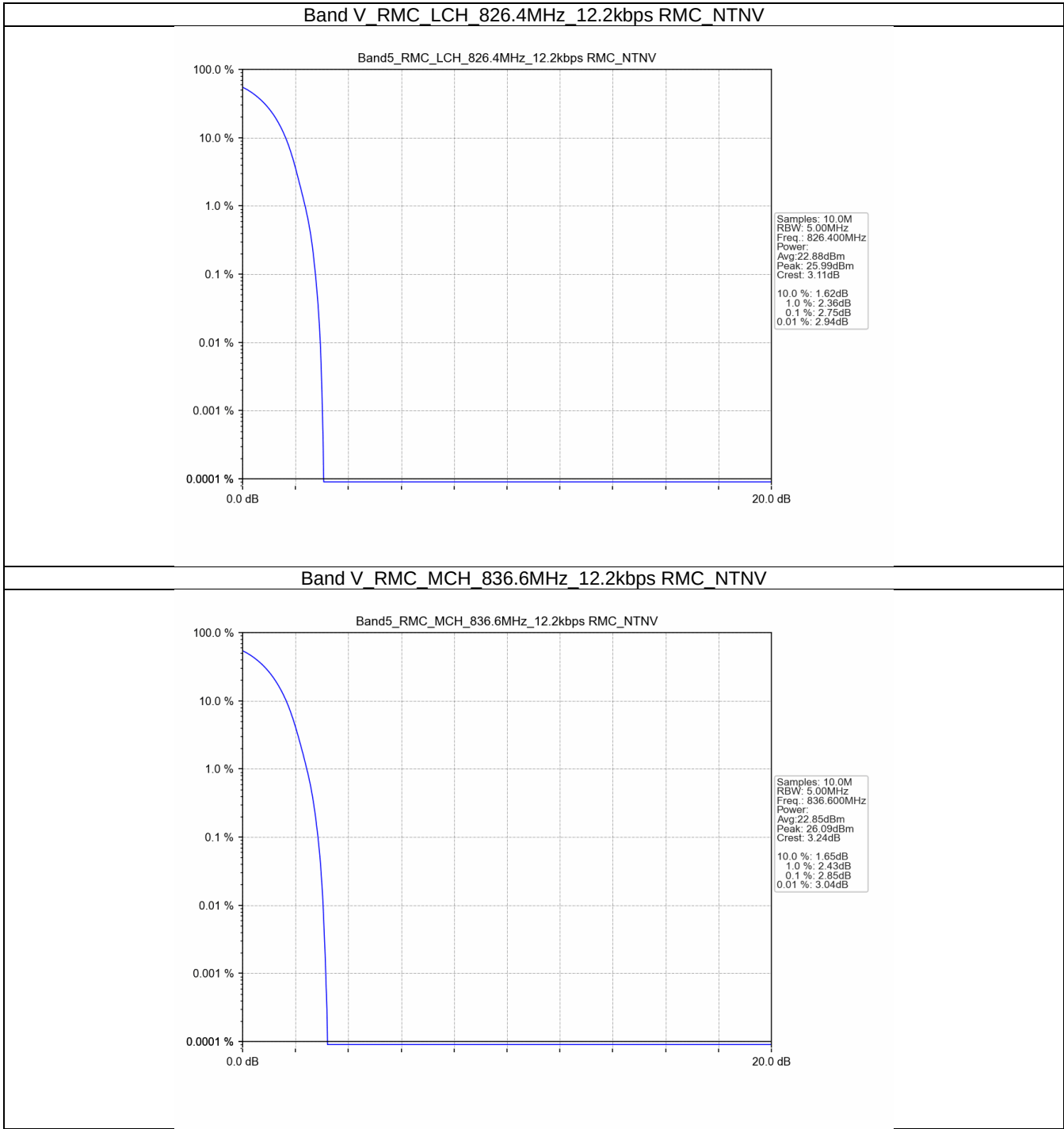
4.1 Test Result

4.1.1 Band V

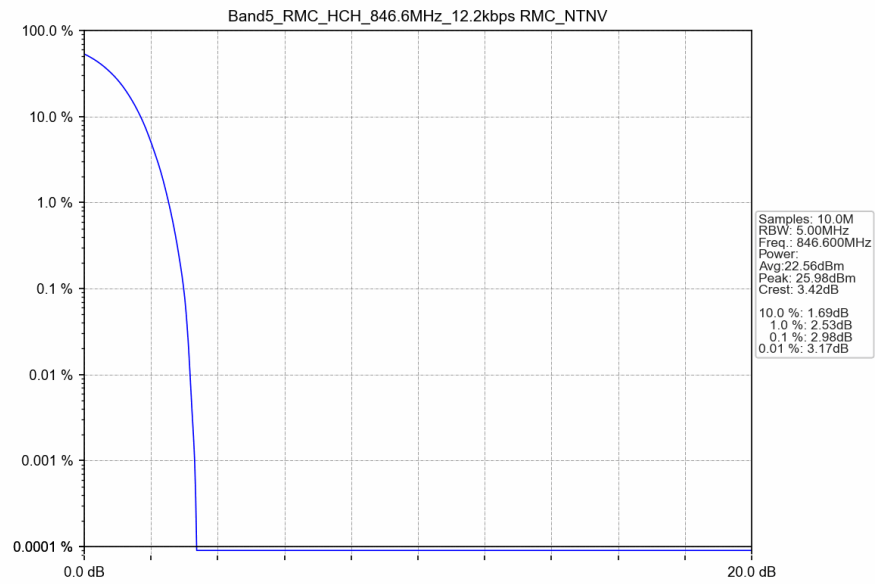
Band: IV						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	2.75	<=13	Pass
			836.6	2.85	<=13	Pass
			846.6	2.98	<=13	Pass
	HSDPA	Subtest 1	826.4	5.64	<=13	Pass
			836.6	5.72	<=13	Pass
			846.6	5.94	<=13	Pass
	HSUPA	Subtest 1	826.4	6.31	<=13	Pass
			836.6	6.51	<=13	Pass
			846.6	6.72	<=13	Pass

4.2 Test Graph

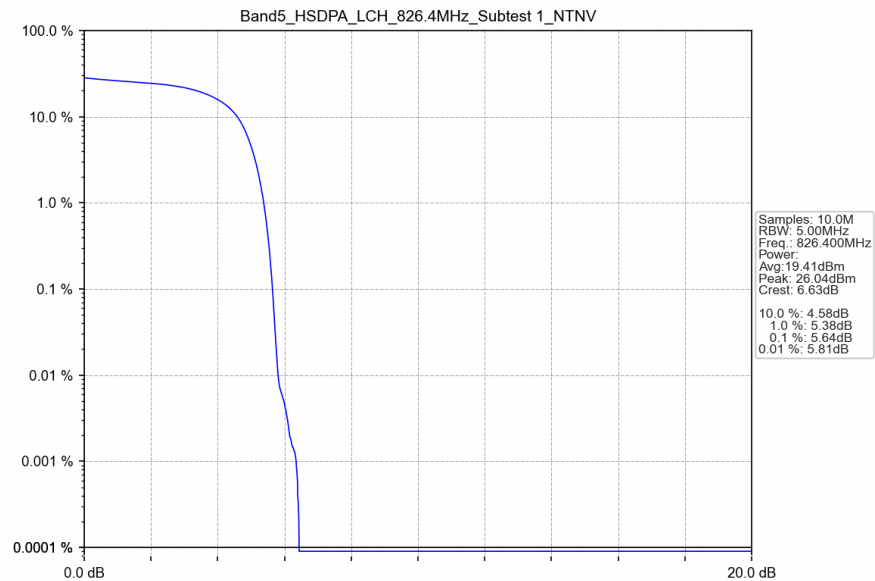
4.2.1 Band V



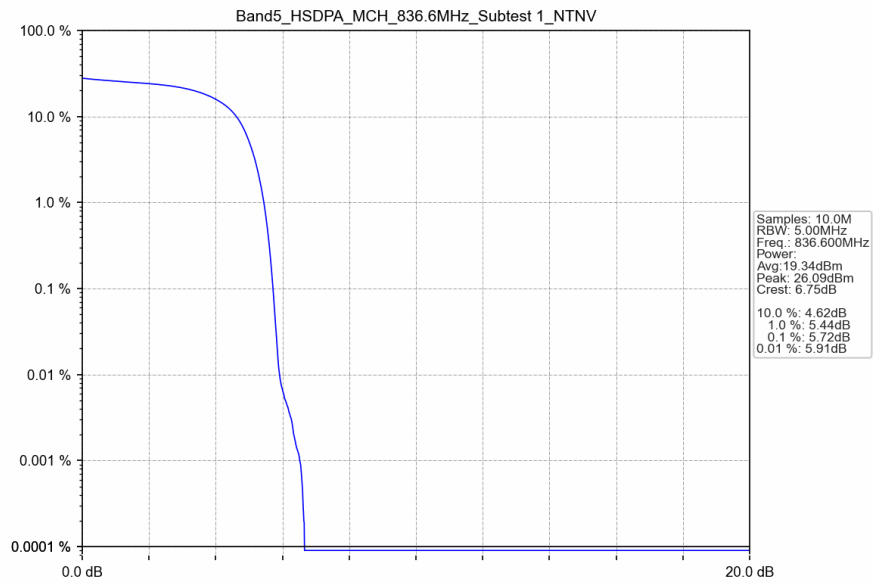
Band V_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV



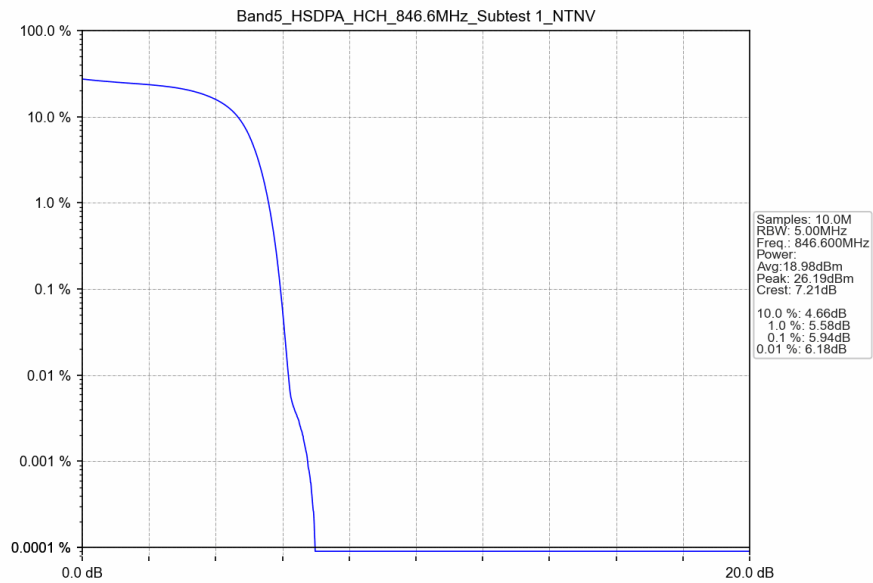
Band V_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



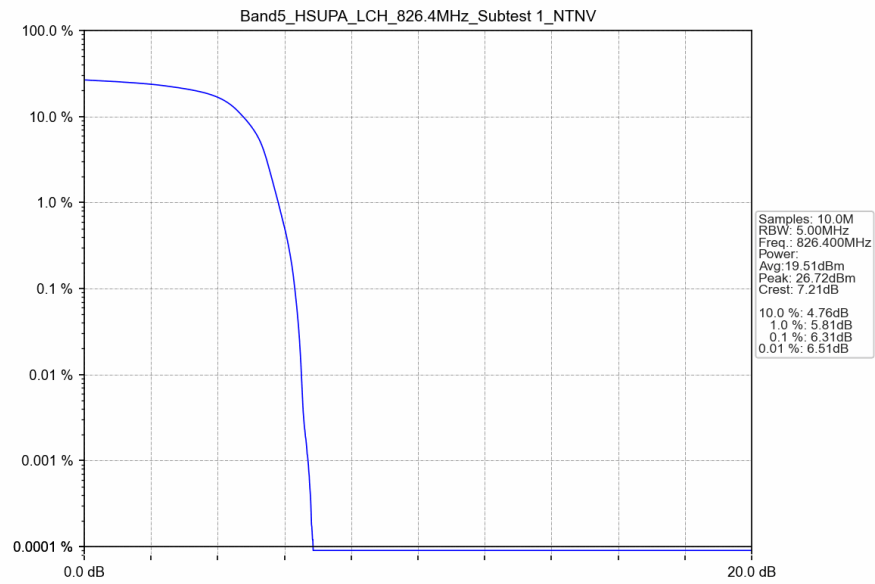
Band V HSDPA MCH 836.6MHz Subtest 1_NTNV



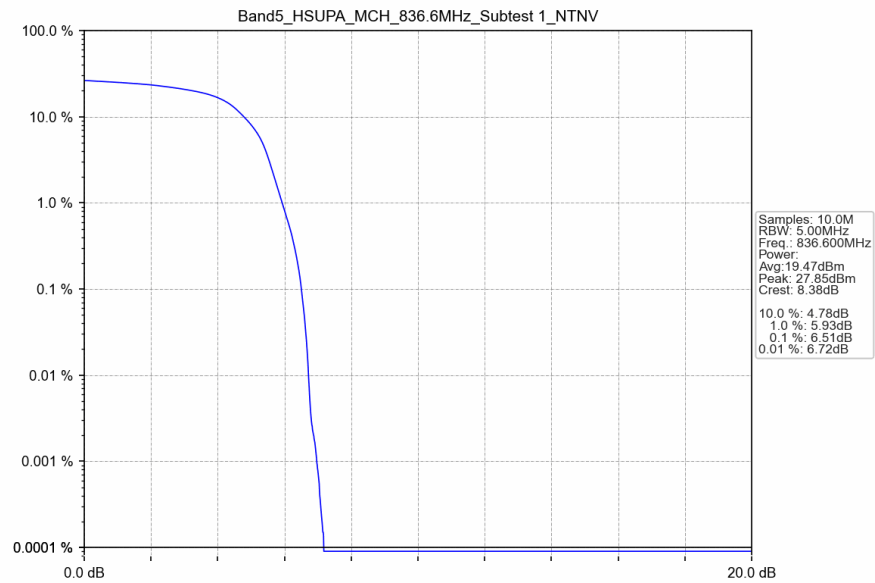
Band V HSDPA HCH 846.6MHz Subtest 1_NTNV



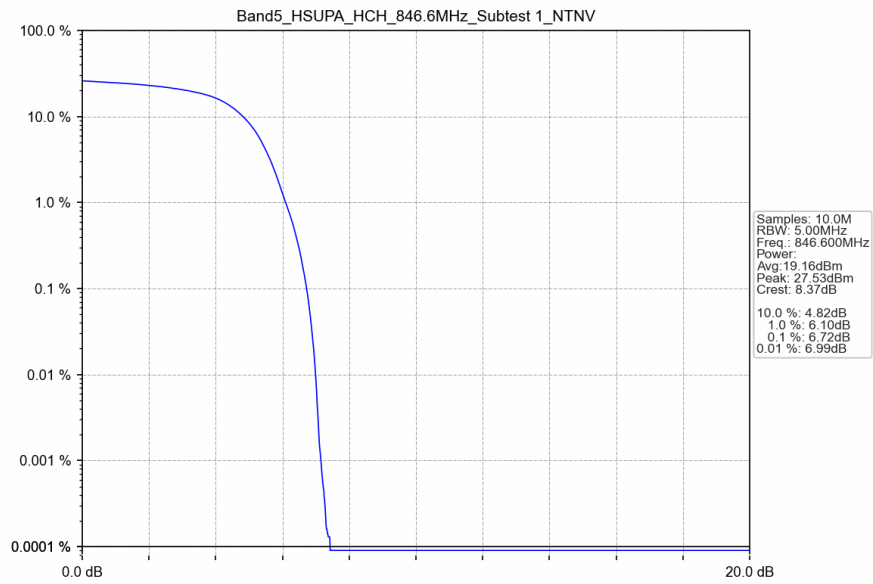
Band V HSUPA LCH 826.4MHz Subtest 1_NTNV



Band V HSUPA MCH 836.6MHz Subtest 1_NTNV



Band V HSUPA HCH 846.6MHz Subtest 1 NTN



5. Spurious Emission

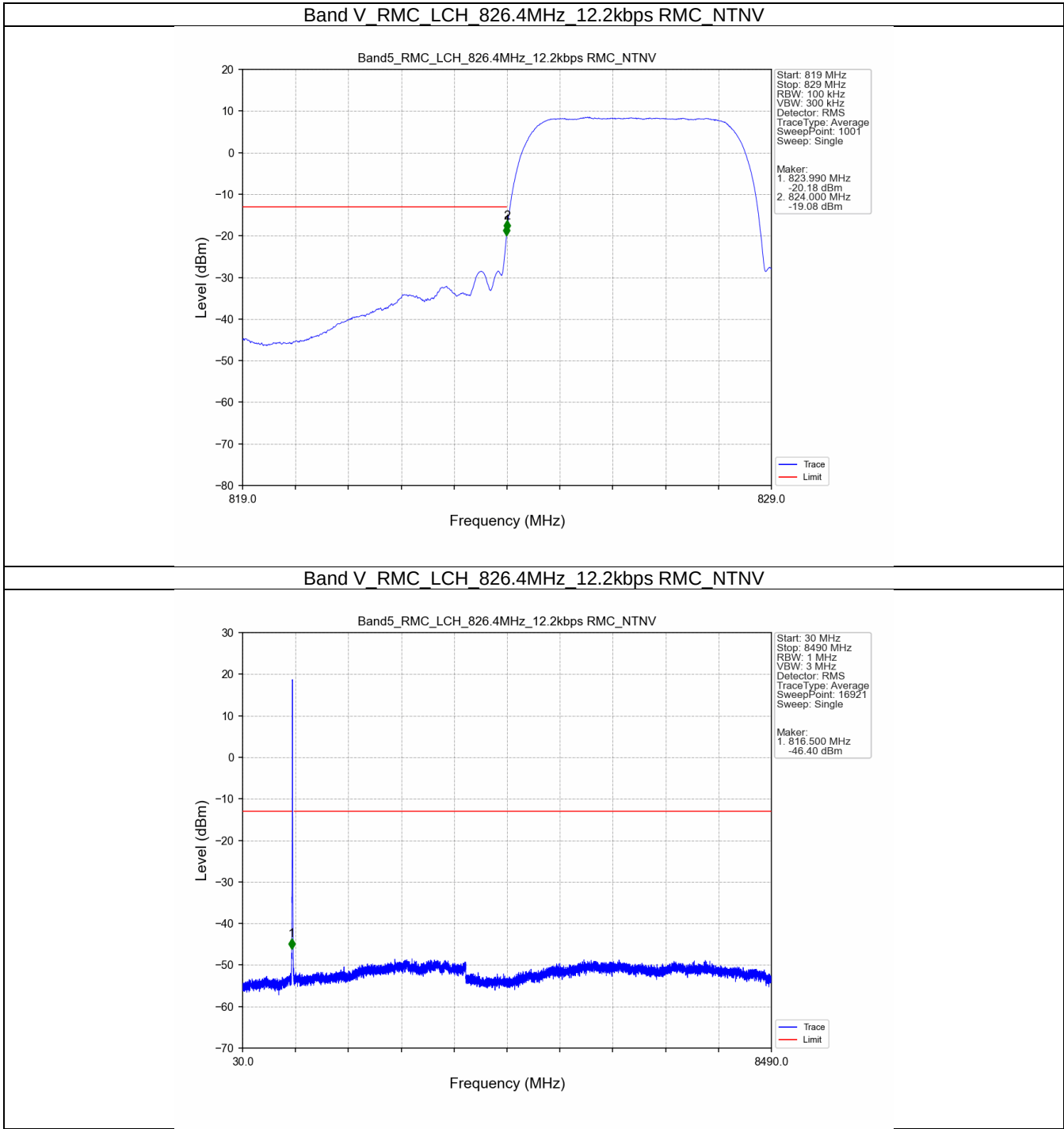
5.1 Test Result

5.1.1 Band V

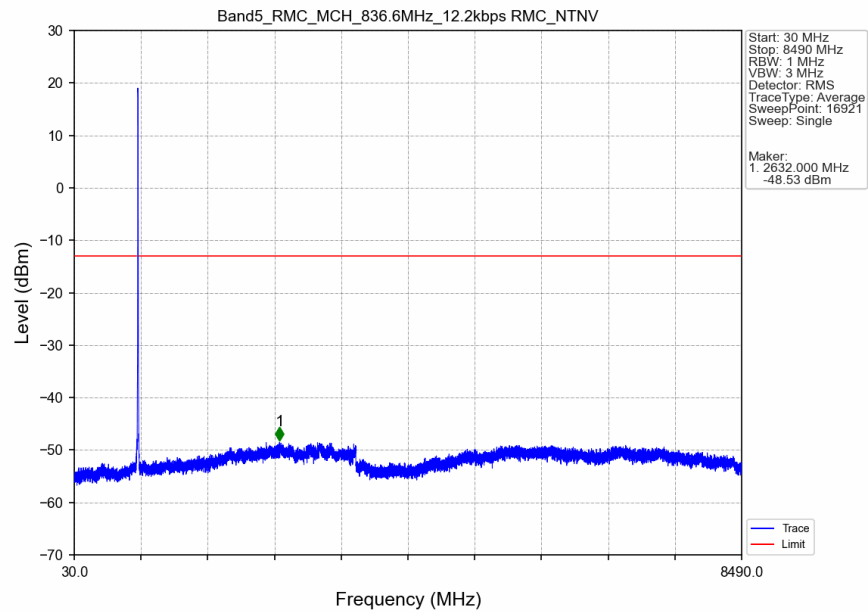
Band: IV						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	Refer To Test Graph	Pass	
			836.6	Refer To Test Graph	Pass	
			846.6	Refer To Test Graph	Pass	
	HSDPA	Subtest 1	826.4	Refer To Test Graph	Pass	
			836.6	Refer To Test Graph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

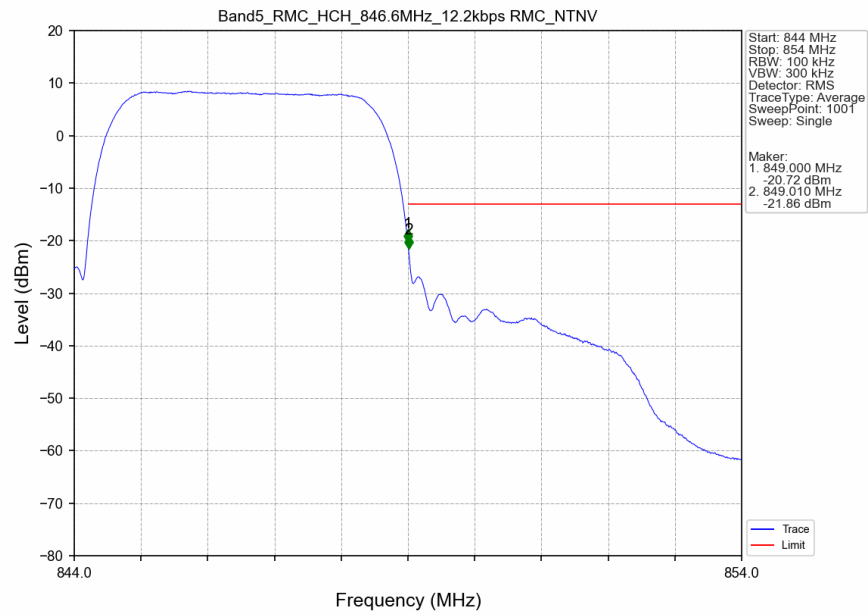
5.2.1 Band V



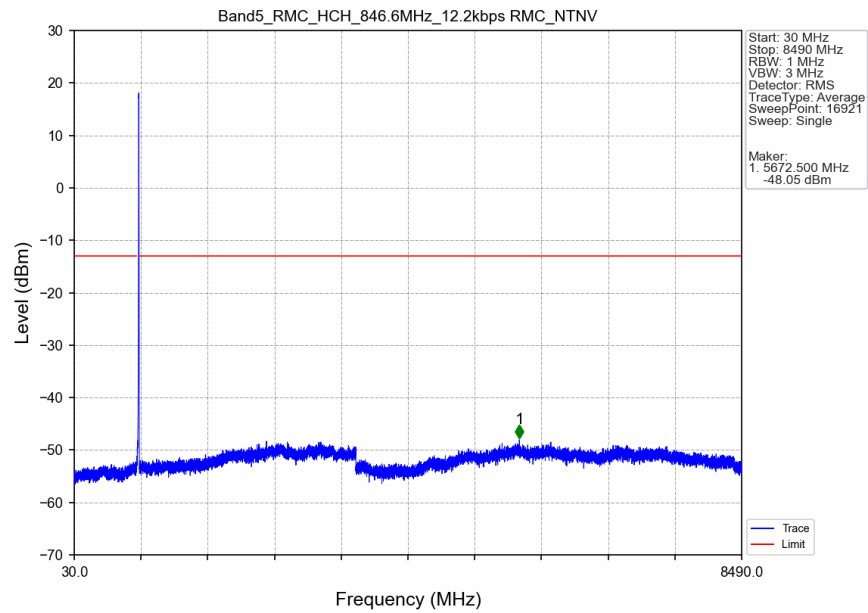
Band V_RMC_MCH_836.6MHz_12.2kbps_RMC_NTNV



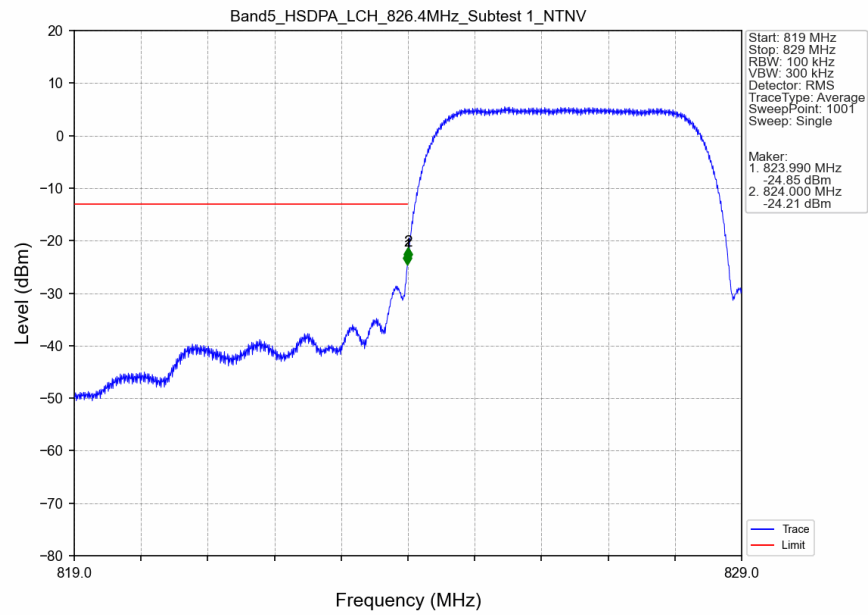
Band V_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV



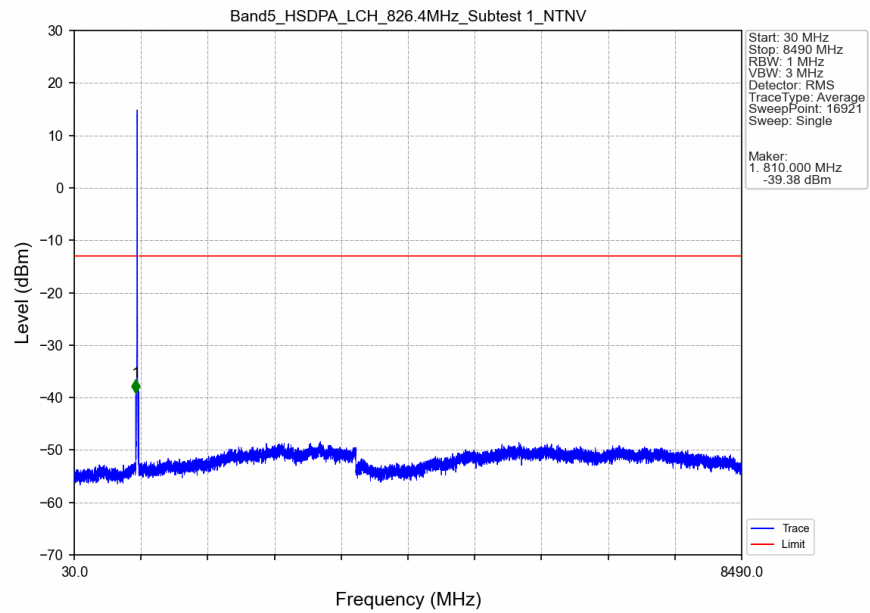
Band V_RMC_HCH_846.6MHz_12.2kbps_RMC_NTNV



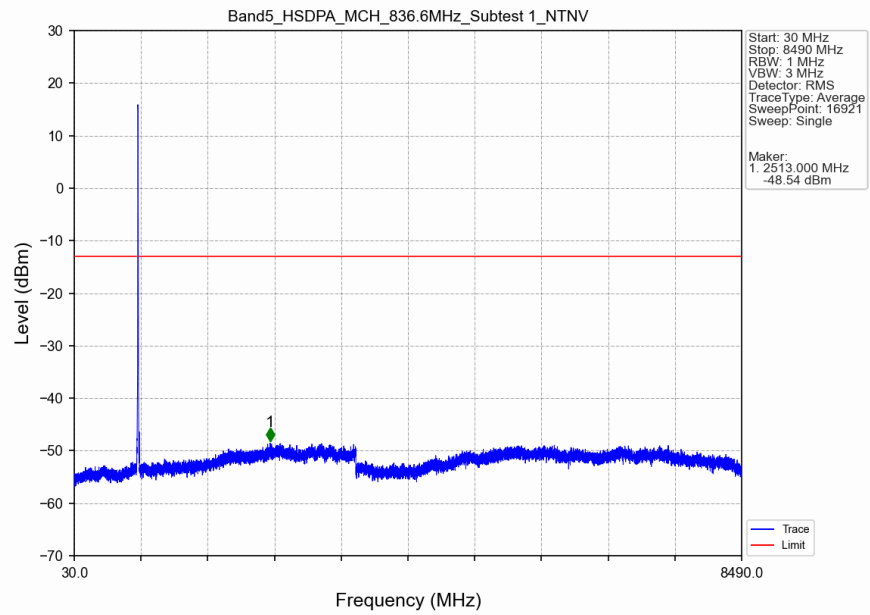
Band V_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



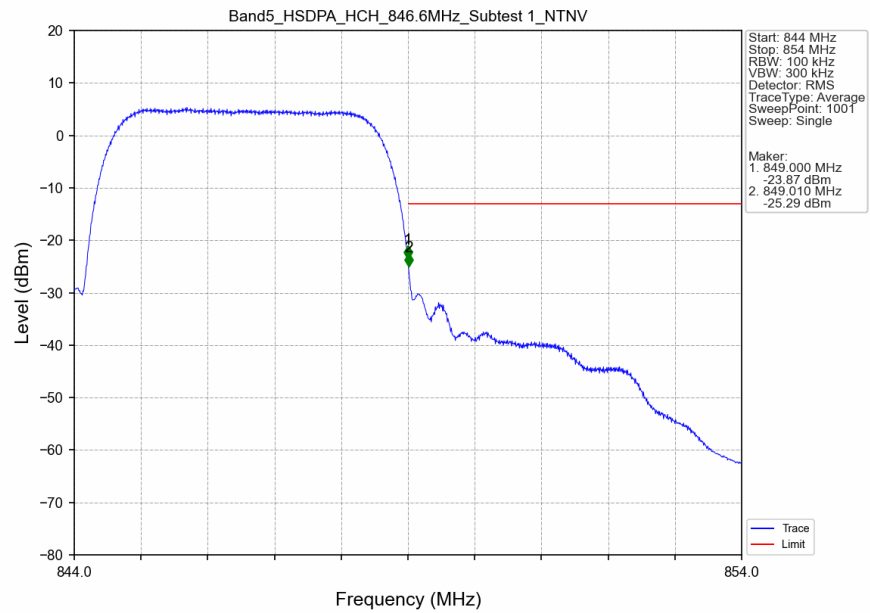
Band V HSDPA LCH 826.4MHz Subtest 1_NTNV



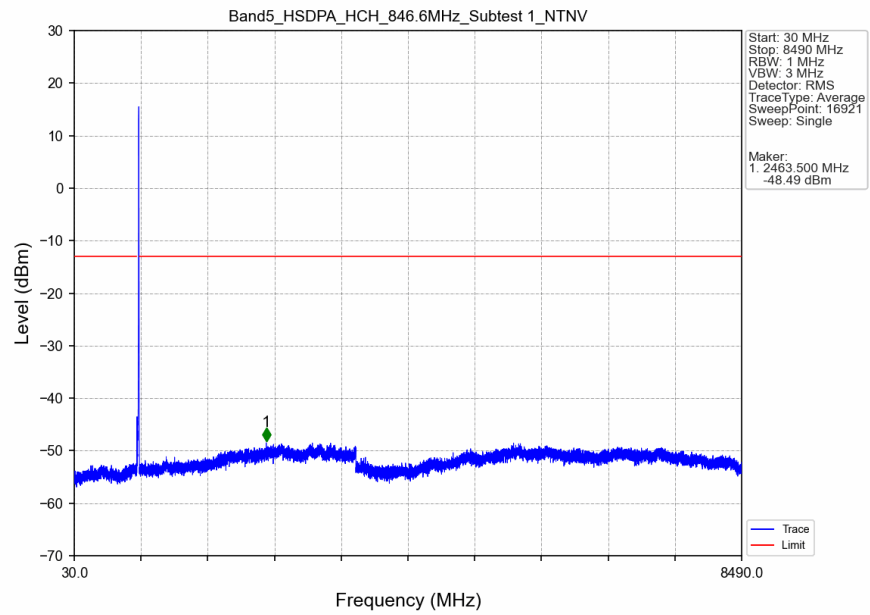
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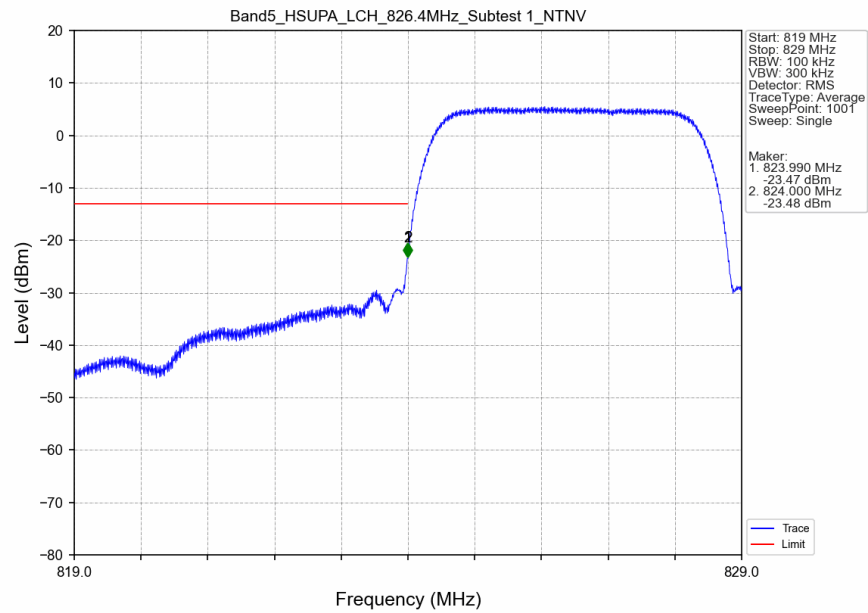
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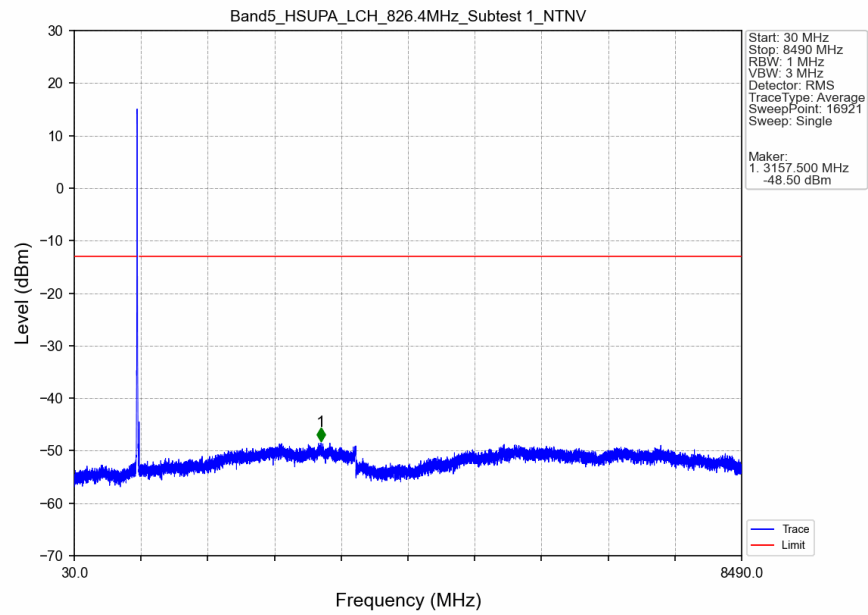
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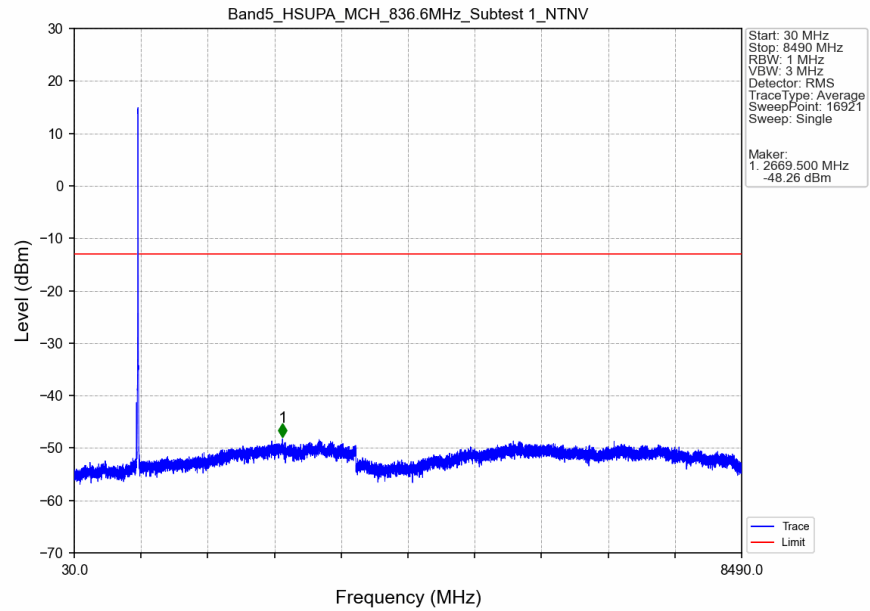
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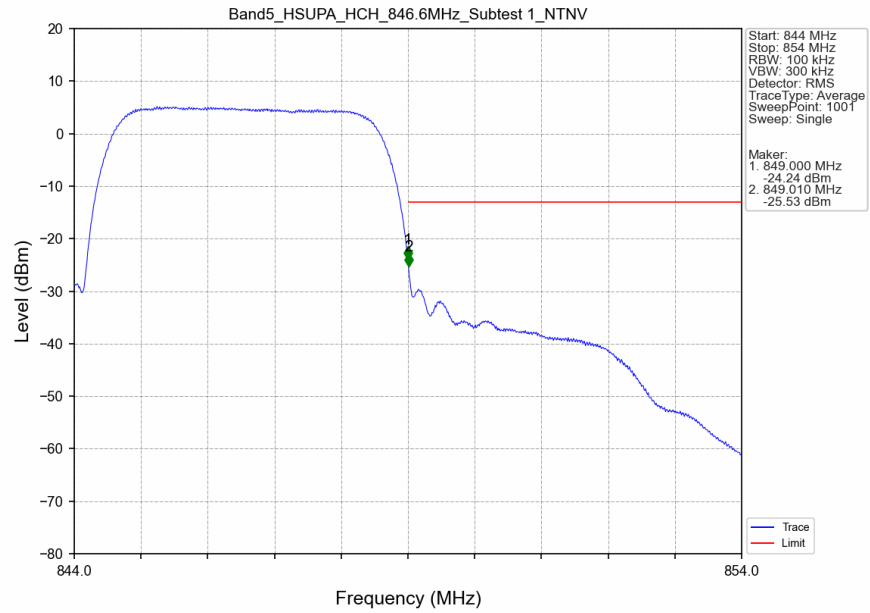
Band V HSUPA LCH 826.4MHz Subtest 1_NTNV



Band V HSUPA MCH 836.6MHz Subtest 1 NTN



Band V HSUPA HCH 846.6MHz Subtest 1 NTN



Band V HSUPA HCH 846.6MHz Subtest 1 NTN

