



Appendix A.5

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 Band5_ERP

Band: 5								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	23.27	1.40	22.52	<=38.45	Pass
			836.6	23.04	1.40	22.29	<=38.45	Pass
			846.6	23.44	1.40	22.69	<=38.45	Pass
	HSDPA	Subtest 1	826.4	21.40	1.40	20.65	<=38.45	Pass
		Subtest 2	826.4	21.48	1.40	20.73	<=38.45	Pass
		Subtest 3	826.4	21.35	1.40	20.60	<=38.45	Pass
		Subtest 4	826.4	21.43	1.40	20.68	<=38.45	Pass
		Subtest 1	836.6	21.31	1.40	20.56	<=38.45	Pass
		Subtest 2	836.6	21.30	1.40	20.55	<=38.45	Pass
		Subtest 3	836.6	21.31	1.40	20.56	<=38.45	Pass
		Subtest 4	836.6	21.35	1.40	20.60	<=38.45	Pass
		Subtest 1	846.6	21.72	1.40	20.97	<=38.45	Pass
		Subtest 2	846.6	21.70	1.40	20.95	<=38.45	Pass
		Subtest 3	846.6	21.70	1.40	20.95	<=38.45	Pass
		Subtest 4	846.6	21.73	1.40	20.98	<=38.45	Pass
	HSUPA	Subtest 1	826.4	19.00	1.40	18.25	<=38.45	Pass
		Subtest 2	826.4	19.44	1.40	18.69	<=38.45	Pass
		Subtest 3	826.4	19.90	1.40	19.15	<=38.45	Pass
		Subtest 4	826.4	18.46	1.40	17.71	<=38.45	Pass
		Subtest 5	826.4	18.67	1.40	17.92	<=38.45	Pass
		Subtest 1	836.6	19.21	1.40	18.46	<=38.45	Pass
		Subtest 2	836.6	19.82	1.40	19.07	<=38.45	Pass
		Subtest 3	836.6	19.80	1.40	19.05	<=38.45	Pass
		Subtest 4	836.6	18.57	1.40	17.82	<=38.45	Pass
		Subtest 5	836.6	18.31	1.40	17.56	<=38.45	Pass
		Subtest 1	846.6	19.35	1.40	18.60	<=38.45	Pass
		Subtest 2	846.6	19.86	1.40	19.11	<=38.45	Pass
		Subtest 3	846.6	20.23	1.40	19.48	<=38.45	Pass
		Subtest 4	846.6	18.65	1.40	17.90	<=38.45	Pass
		Subtest 5	846.6	18.84	1.40	18.09	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 Band5

Band: 5							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	826.4	20	LV	-0.472	-0.0006	-2.5 to 2.5	Pass
			NV	0.365	0.0004	-2.5 to 2.5	Pass
			HV	0.050	0.0001	-2.5 to 2.5	Pass
		-30	NV	-0.143	-0.0002	-2.5 to 2.5	Pass
		-20	NV	-0.308	-0.0004	-2.5 to 2.5	Pass
		-10	NV	0.401	0.0005	-2.5 to 2.5	Pass
		0	NV	0.107	0.0001	-2.5 to 2.5	Pass
		10	NV	-0.265	-0.0003	-2.5 to 2.5	Pass
		30	NV	-0.443	-0.0005	-2.5 to 2.5	Pass
		40	NV	-0.379	-0.0005	-2.5 to 2.5	Pass
		50	NV	-0.336	-0.0004	-2.5 to 2.5	Pass
	836.6	20	LV	-0.479	-0.0006	-2.5 to 2.5	Pass
			NV	-0.014	0.0000	-2.5 to 2.5	Pass
			HV	-0.207	-0.0002	-2.5 to 2.5	Pass
		-30	NV	0.308	0.0004	-2.5 to 2.5	Pass
		-20	NV	-0.143	-0.0002	-2.5 to 2.5	Pass
		-10	NV	-0.236	-0.0003	-2.5 to 2.5	Pass
		0	NV	0.279	0.0003	-2.5 to 2.5	Pass
		10	NV	-0.021	0.0000	-2.5 to 2.5	Pass
		30	NV	0.443	0.0005	-2.5 to 2.5	Pass
		40	NV	-0.286	-0.0003	-2.5 to 2.5	Pass
		50	NV	-0.601	-0.0007	-2.5 to 2.5	Pass
	846.6	20	LV	0.007	0.0000	-2.5 to 2.5	Pass
			NV	0.257	0.0003	-2.5 to 2.5	Pass
			HV	0.186	0.0002	-2.5 to 2.5	Pass
		-30	NV	0.308	0.0004	-2.5 to 2.5	Pass
		-20	NV	-0.129	-0.0002	-2.5 to 2.5	Pass
		-10	NV	-0.086	-0.0001	-2.5 to 2.5	Pass
		0	NV	-0.079	-0.0001	-2.5 to 2.5	Pass
		10	NV	0.229	0.0003	-2.5 to 2.5	Pass
		30	NV	0.257	0.0003	-2.5 to 2.5	Pass
		40	NV	0.043	0.0001	-2.5 to 2.5	Pass
		50	NV	0.315	0.0004	-2.5 to 2.5	Pass
HSDPA	826.4	20	LV	-2.117	-0.0026	-2.5 to 2.5	Pass
			NV	-2.053	-0.0025	-2.5 to 2.5	Pass
			HV	-1.988	-0.0024	-2.5 to 2.5	Pass
		-30	NV	-1.867	-0.0023	-2.5 to 2.5	Pass
		-20	NV	-2.217	-0.0027	-2.5 to 2.5	Pass
		-10	NV	-2.296	-0.0028	-2.5 to 2.5	Pass
		0	NV	-2.017	-0.0024	-2.5 to 2.5	Pass
		10	NV	-2.196	-0.0027	-2.5 to 2.5	Pass
		30	NV	-2.453	-0.0030	-2.5 to 2.5	Pass
		40	NV	-2.539	-0.0031	-2.5 to 2.5	Pass
		50	NV	-2.289	-0.0028	-2.5 to 2.5	Pass
	836.6	20	LV	-1.466	-0.0018	-2.5 to 2.5	Pass
			NV	-1.881	-0.0022	-2.5 to 2.5	Pass
			HV	-1.695	-0.0020	-2.5 to 2.5	Pass
		-30	NV	-1.309	-0.0016	-2.5 to 2.5	Pass
		-20	NV	-1.924	-0.0023	-2.5 to 2.5	Pass
		-10	NV	-2.210	-0.0026	-2.5 to 2.5	Pass



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		0	NV	-2.124	-0.0025	-2.5 to 2.5	Pass
		10	NV	-2.053	-0.0025	-2.5 to 2.5	Pass
		30	NV	-2.224	-0.0027	-2.5 to 2.5	Pass
		40	NV	-1.545	-0.0018	-2.5 to 2.5	Pass
		50	NV	-1.488	-0.0018	-2.5 to 2.5	Pass
	846.6	20	LV	-1.245	-0.0015	-2.5 to 2.5	Pass
			NV	-1.867	-0.0022	-2.5 to 2.5	Pass
			HV	-2.189	-0.0026	-2.5 to 2.5	Pass
		-30	NV	12.281	0.0145	-2.5 to 2.5	Pass
		-20	NV	12.467	0.0147	-2.5 to 2.5	Pass
		-10	NV	12.589	0.0149	-2.5 to 2.5	Pass
		0	NV	13.375	0.0158	-2.5 to 2.5	Pass
		10	NV	12.009	0.0142	-2.5 to 2.5	Pass
		30	NV	12.567	0.0148	-2.5 to 2.5	Pass
		40	NV	12.696	0.0150	-2.5 to 2.5	Pass
		50	NV	10.579	0.0125	-2.5 to 2.5	Pass
HSUPA	826.4	20	LV	0.014	0.0000	-2.5 to 2.5	Pass
			NV	0.086	0.0001	-2.5 to 2.5	Pass
			HV	-0.601	-0.0007	-2.5 to 2.5	Pass
		-30	NV	0.172	0.0002	-2.5 to 2.5	Pass
		-20	NV	0.386	0.0005	-2.5 to 2.5	Pass
		-10	NV	0.229	0.0003	-2.5 to 2.5	Pass
		0	NV	-0.243	-0.0003	-2.5 to 2.5	Pass
		10	NV	-0.064	-0.0001	-2.5 to 2.5	Pass
		30	NV	-0.193	-0.0002	-2.5 to 2.5	Pass
		40	NV	-0.007	0.0000	-2.5 to 2.5	Pass
		50	NV	0.365	0.0004	-2.5 to 2.5	Pass
	836.6	20	LV	-0.908	-0.0011	-2.5 to 2.5	Pass
			NV	-0.057	-0.0001	-2.5 to 2.5	Pass
			HV	-0.215	-0.0003	-2.5 to 2.5	Pass
		-30	NV	-0.143	-0.0002	-2.5 to 2.5	Pass
		-20	NV	-0.479	-0.0006	-2.5 to 2.5	Pass
		-10	NV	-0.393	-0.0005	-2.5 to 2.5	Pass
		0	NV	-0.443	-0.0005	-2.5 to 2.5	Pass
		10	NV	-1.066	-0.0013	-2.5 to 2.5	Pass
		30	NV	-0.551	-0.0007	-2.5 to 2.5	Pass
		40	NV	-1.216	-0.0015	-2.5 to 2.5	Pass
		50	NV	-0.551	-0.0007	-2.5 to 2.5	Pass
	846.6	20	LV	-2.153	-0.0025	-2.5 to 2.5	Pass
			NV	-0.093	-0.0001	-2.5 to 2.5	Pass
			HV	-0.923	-0.0011	-2.5 to 2.5	Pass
		-30	NV	-0.622	-0.0007	-2.5 to 2.5	Pass
		-20	NV	-0.801	-0.0009	-2.5 to 2.5	Pass
		-10	NV	-0.029	0.0000	-2.5 to 2.5	Pass
		0	NV	-0.243	-0.0003	-2.5 to 2.5	Pass
		10	NV	-0.408	-0.0005	-2.5 to 2.5	Pass
		30	NV	-0.193	-0.0002	-2.5 to 2.5	Pass
		40	NV	-0.193	-0.0002	-2.5 to 2.5	Pass
		50	NV	-0.372	-0.0004	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth



3.1 Test Result

3.1.1 Band5_OBW

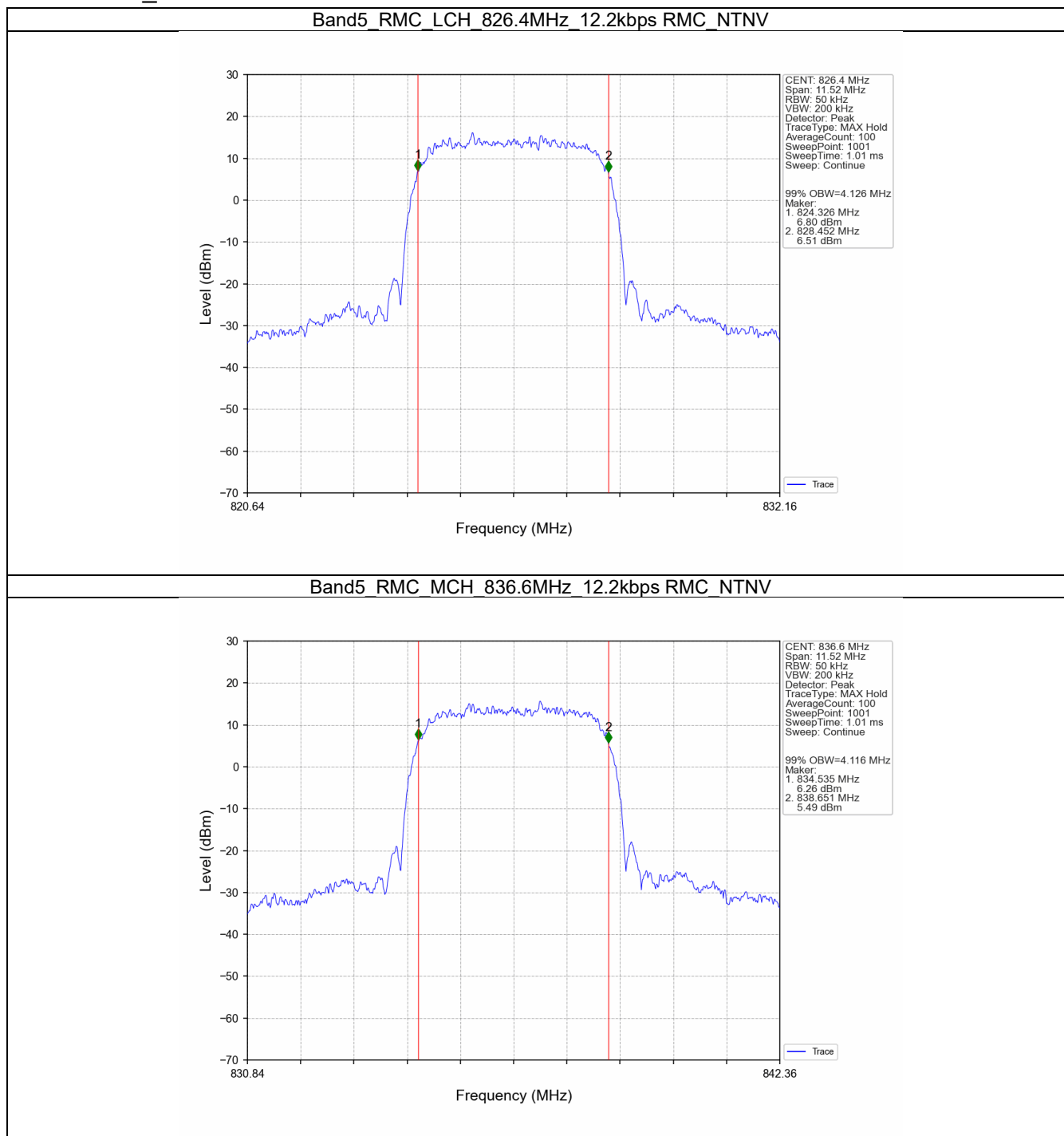
Band: 5						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.126	/	Pass
			836.6	4.116	/	Pass
			846.6	4.110	/	Pass
	HSDPA	Subtest 1	826.4	4.144	/	Pass
			836.6	4.153	/	Pass
			846.6	4.146	/	Pass
	HSUPA	Subtest 1	826.4	4.169	/	Pass
			836.6	4.160	/	Pass
			846.6	4.145	/	Pass

3.1.2 Band5_XDB

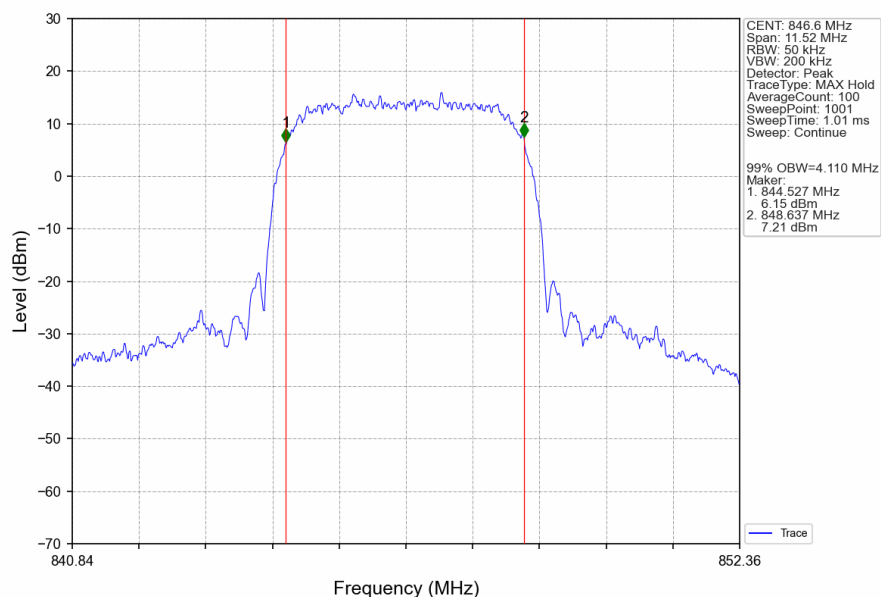
Band: 5						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.682	/	Pass
			836.6	4.692	/	Pass
			846.6	4.688	/	Pass
	HSDPA	Subtest 1	826.4	4.830	/	Pass
			836.6	5.091	/	Pass
			846.6	5.022	/	Pass
	HSUPA	Subtest 1	826.4	5.152	/	Pass
			836.6	5.210	/	Pass
			846.6	4.690	/	Pass

3.2 Test Graph

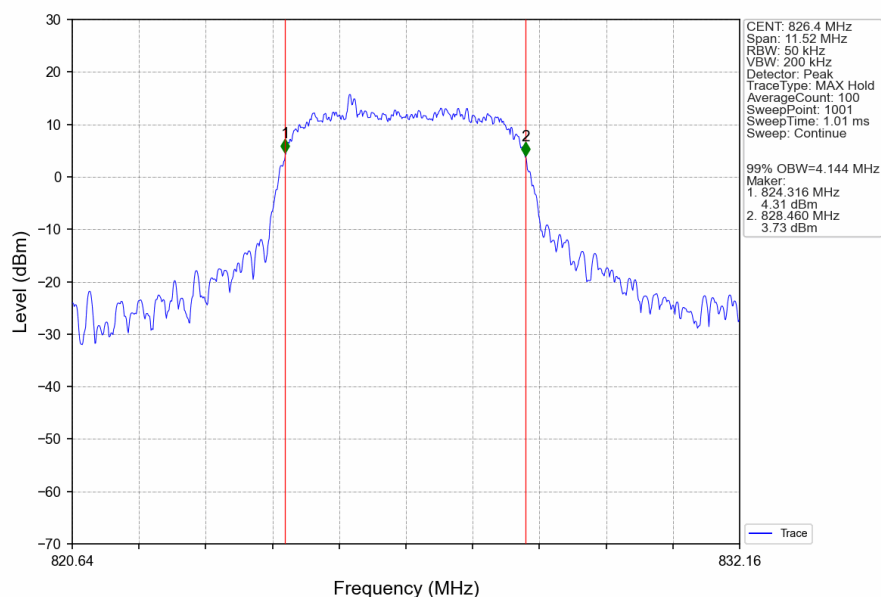
3.2.1 Band5_OBW



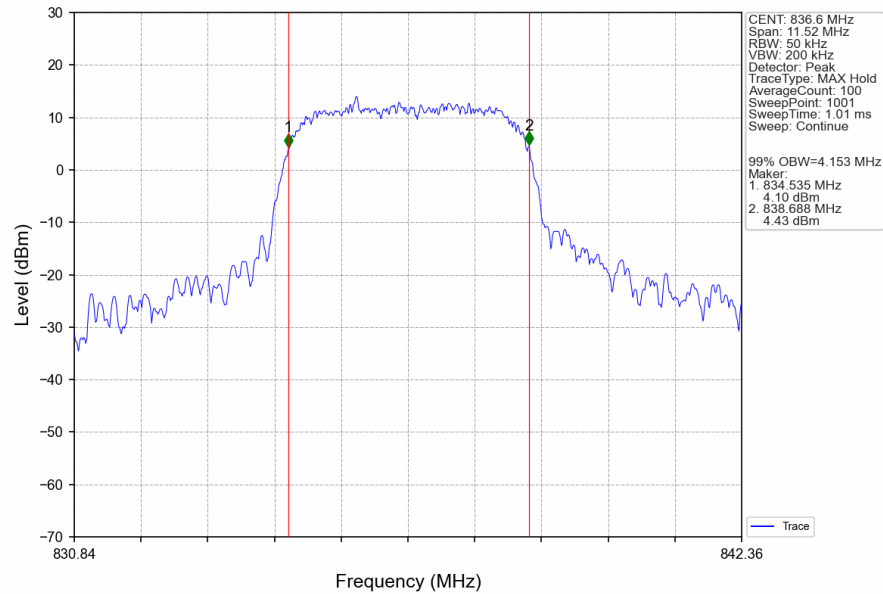
Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV



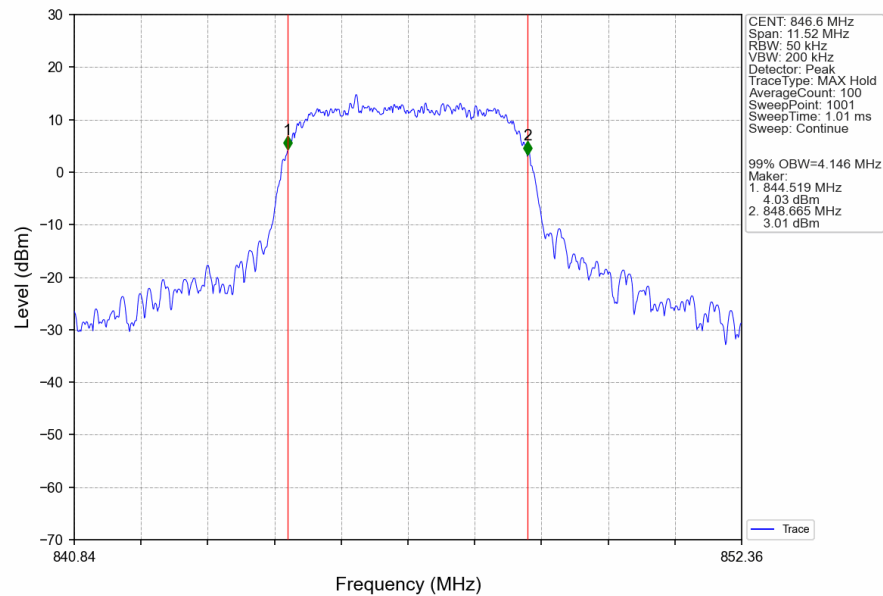
Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



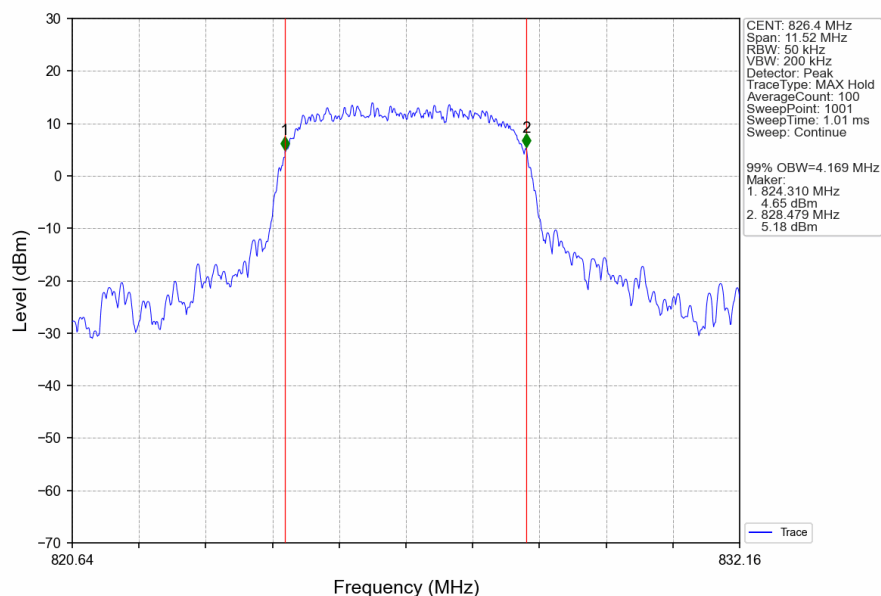
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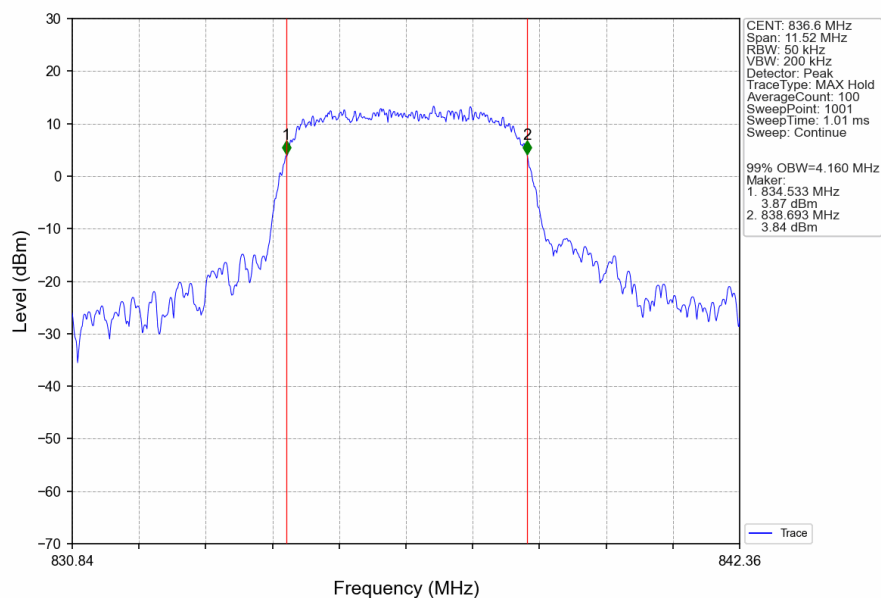
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Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV

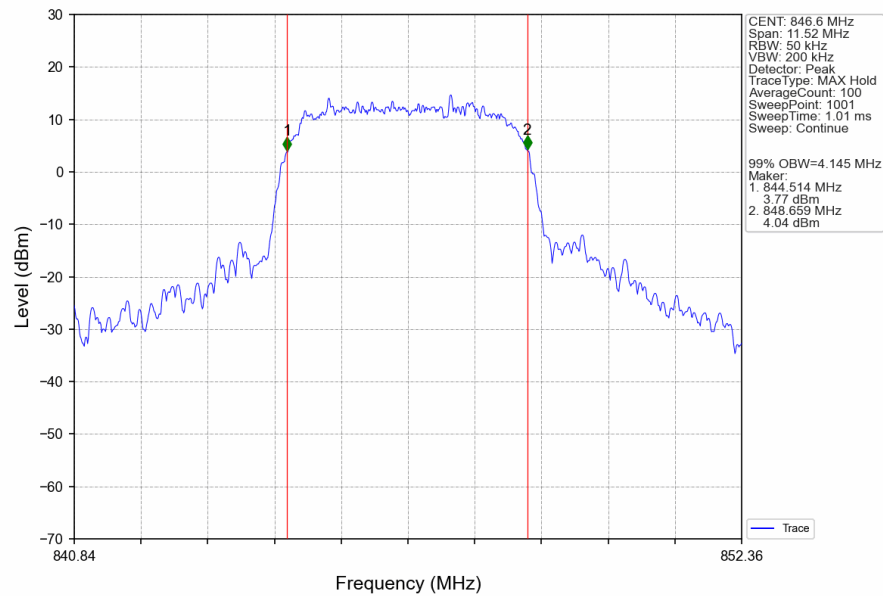


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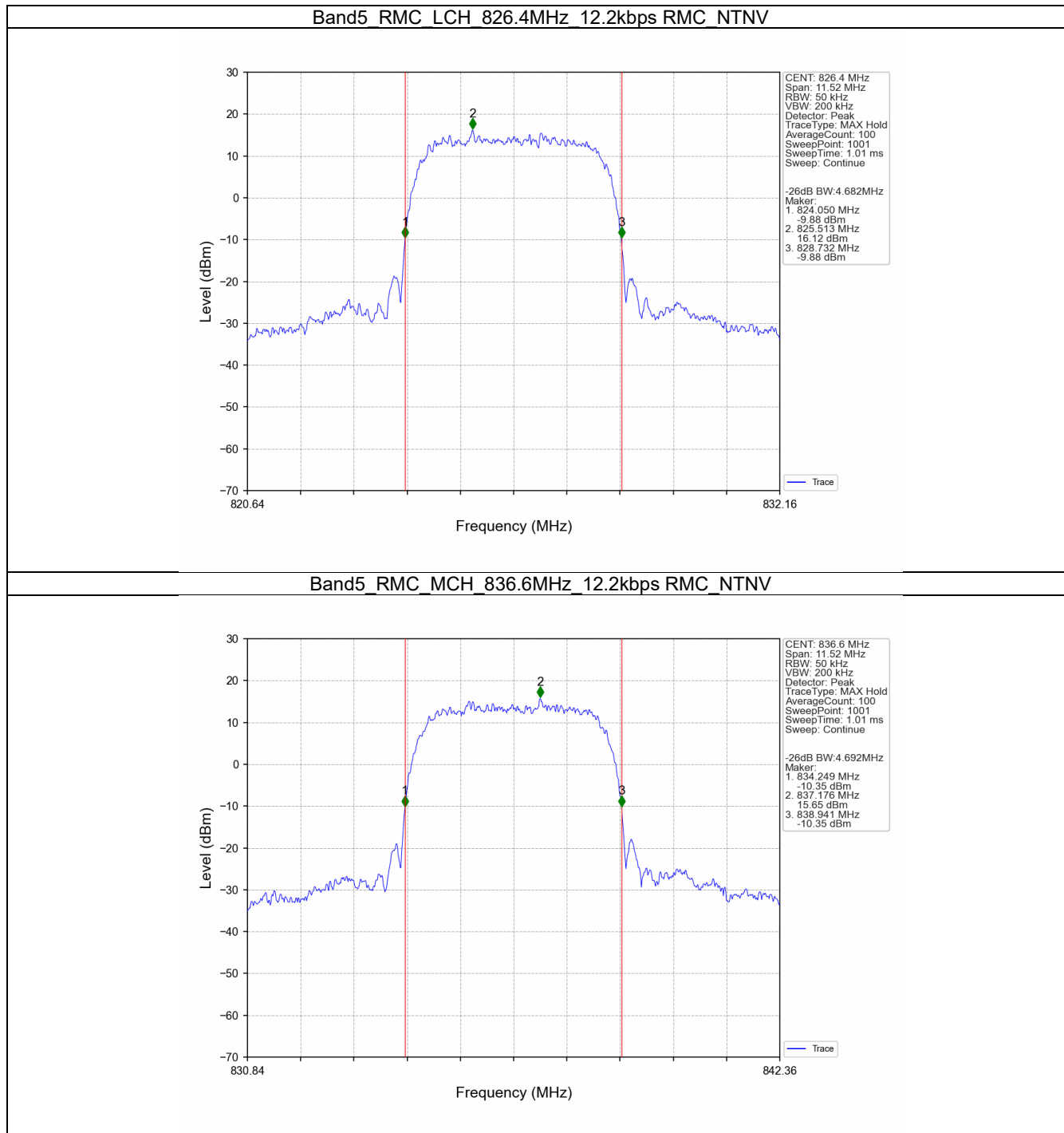




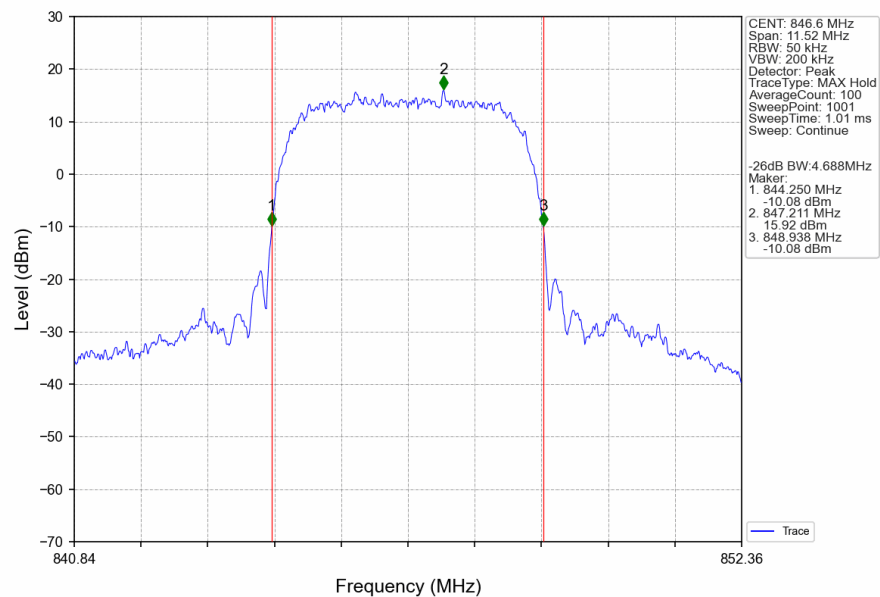
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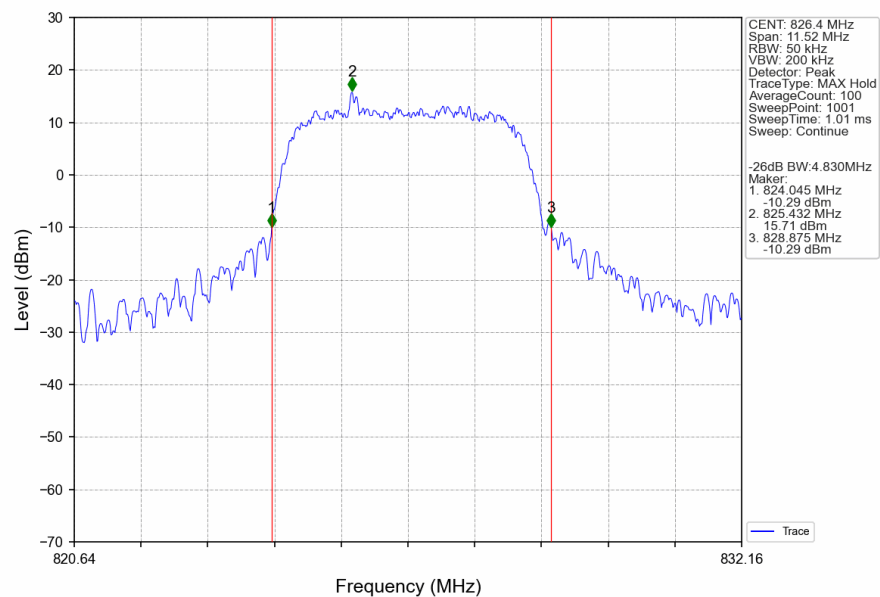
3.2.2 Band5_XDB



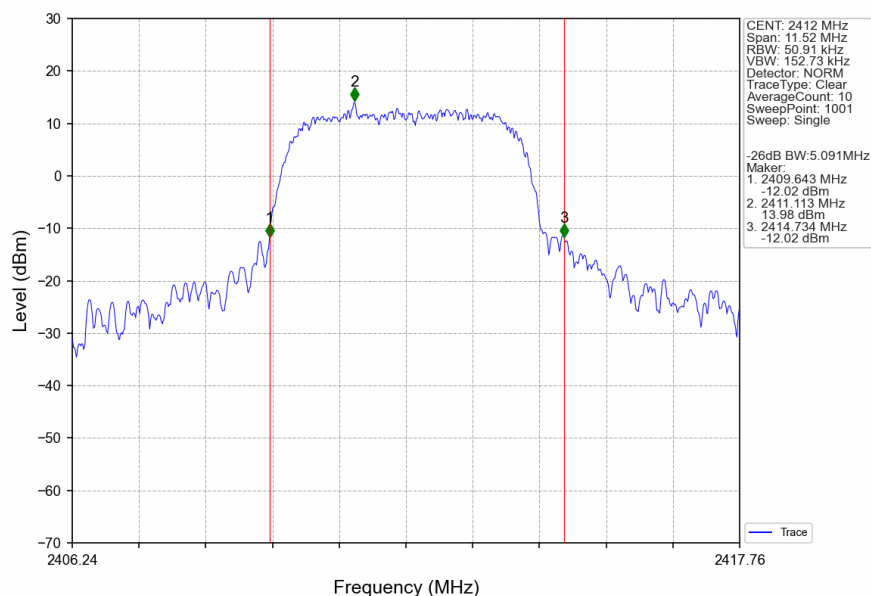
Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV



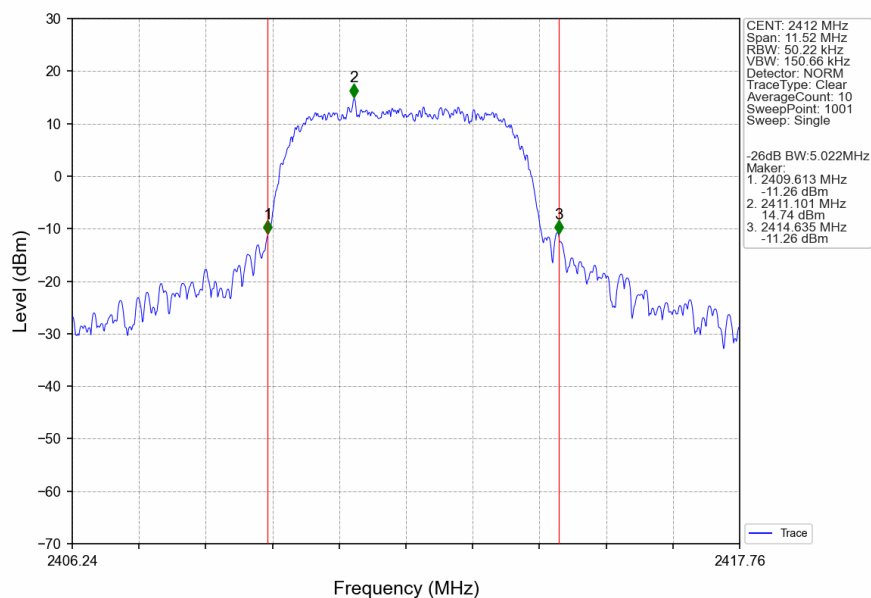
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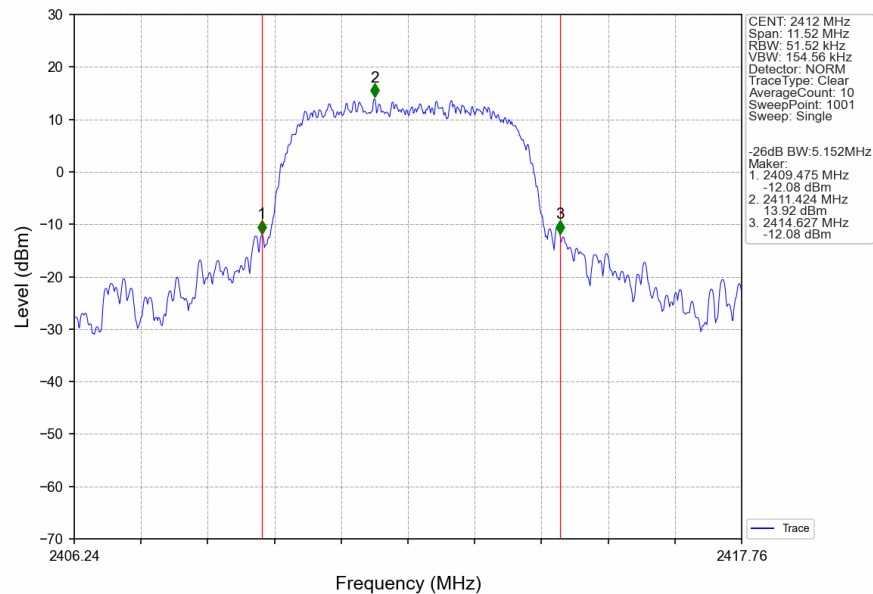
Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV



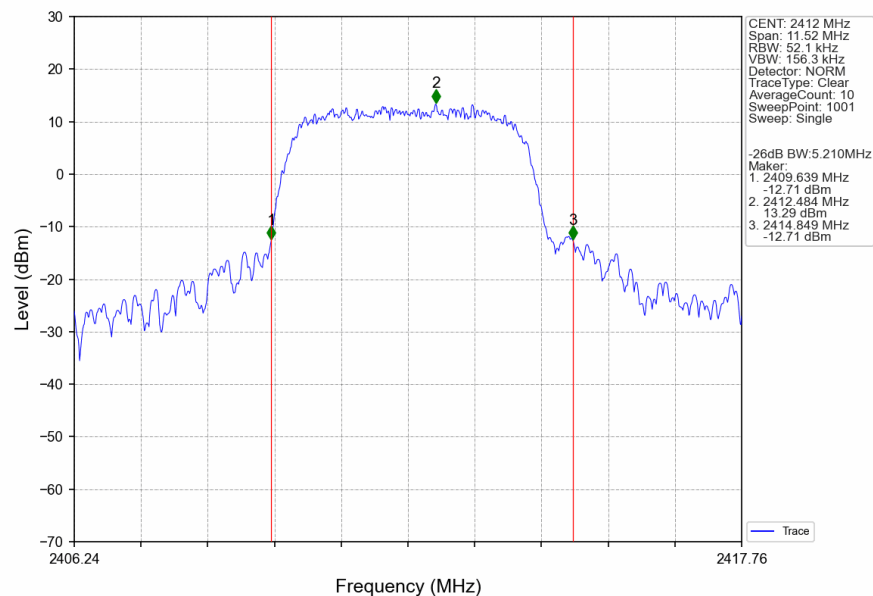
Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV



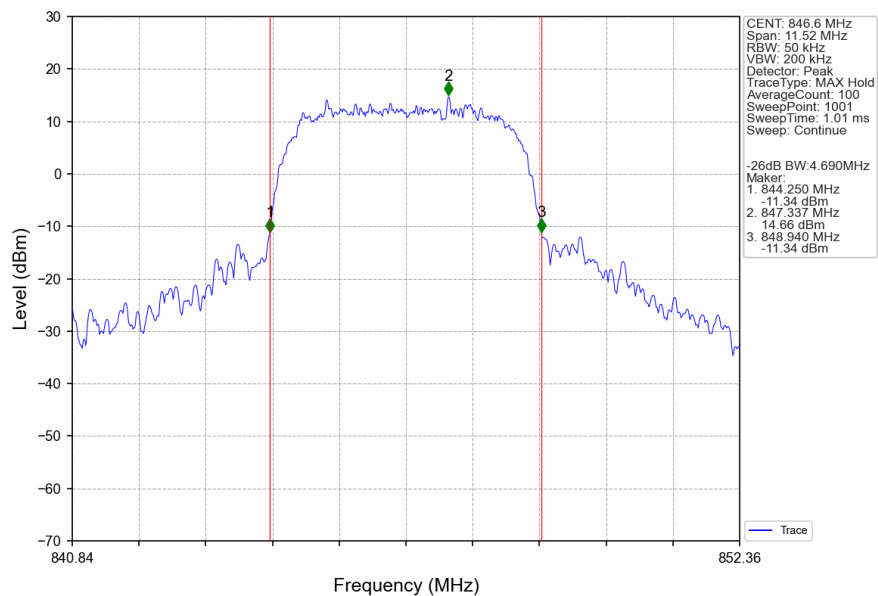
Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



Band5_HSUPA_HCH_846.6MHz_Subtest 1_NTNV





4. Peak-Average Ratio

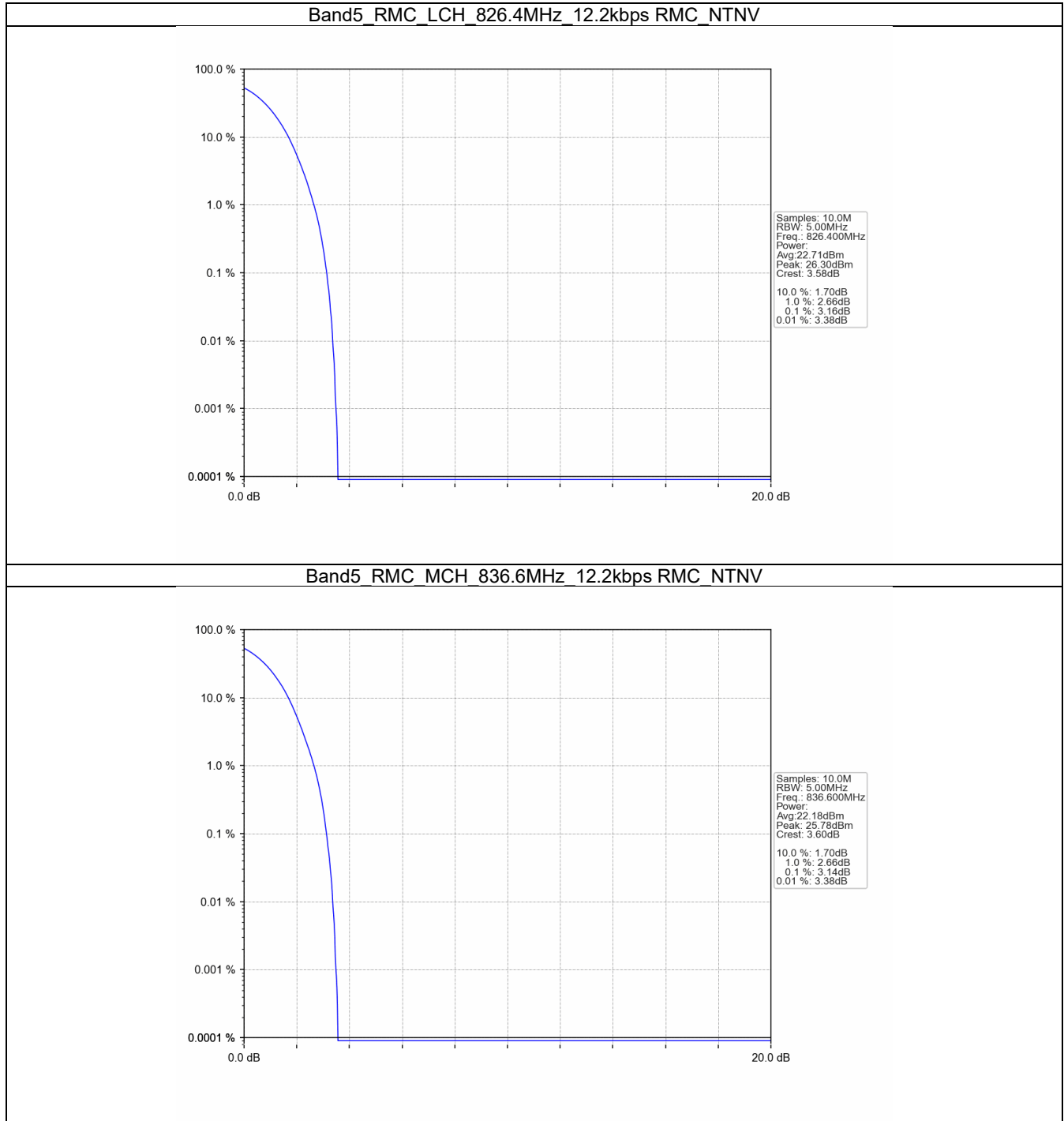
4.1 Test Result

4.1.1 Band5

Band: 5						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	3.16	<=13	Pass
			836.6	3.14	<=13	Pass
			846.6	3.04	<=13	Pass
	HSDPA	Subtest 1	826.4	5.96	<=13	Pass
			836.6	5.96	<=13	Pass
			846.6	5.98	<=13	Pass
	HSUPA	Subtest 1	826.4	7.04	<=13	Pass
			836.6	7.20	<=13	Pass
			846.6	7.02	<=13	Pass

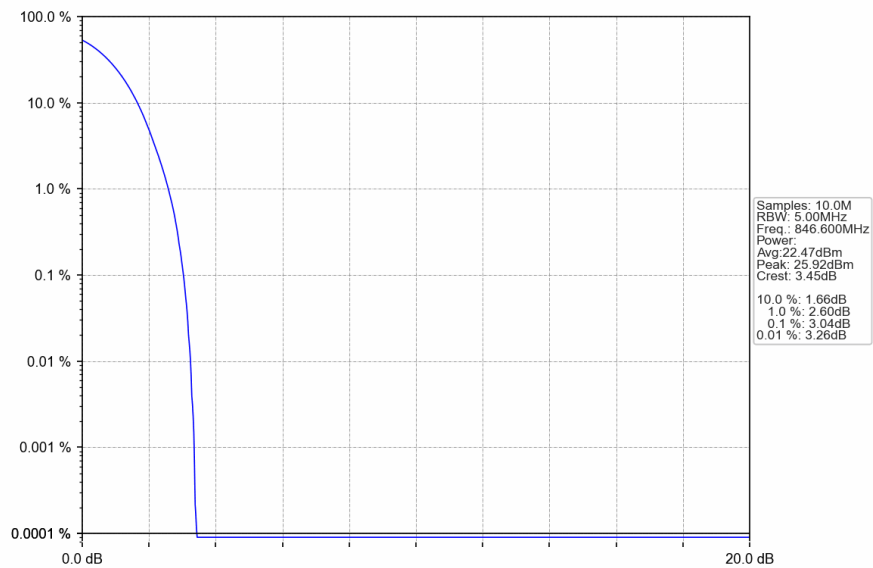
4.2 Test Graph

4.2.1 Band5

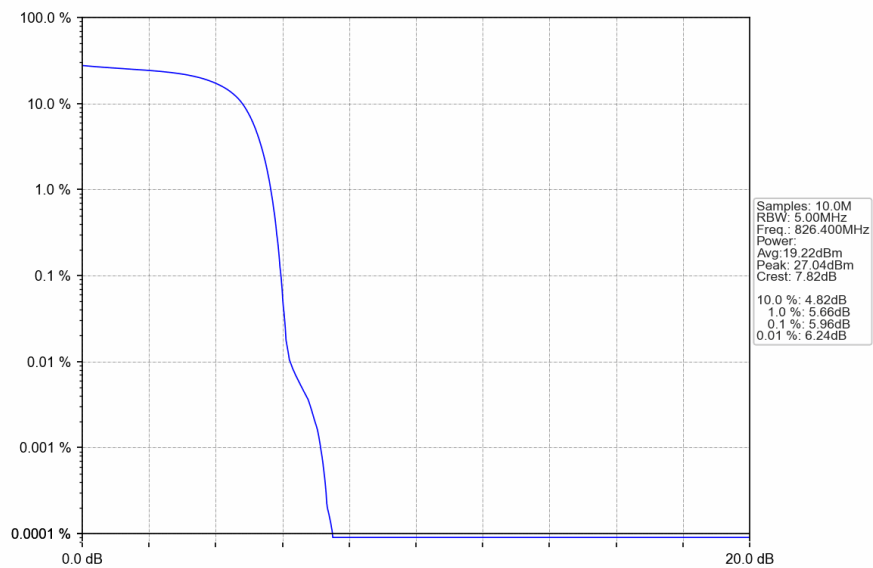




Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV

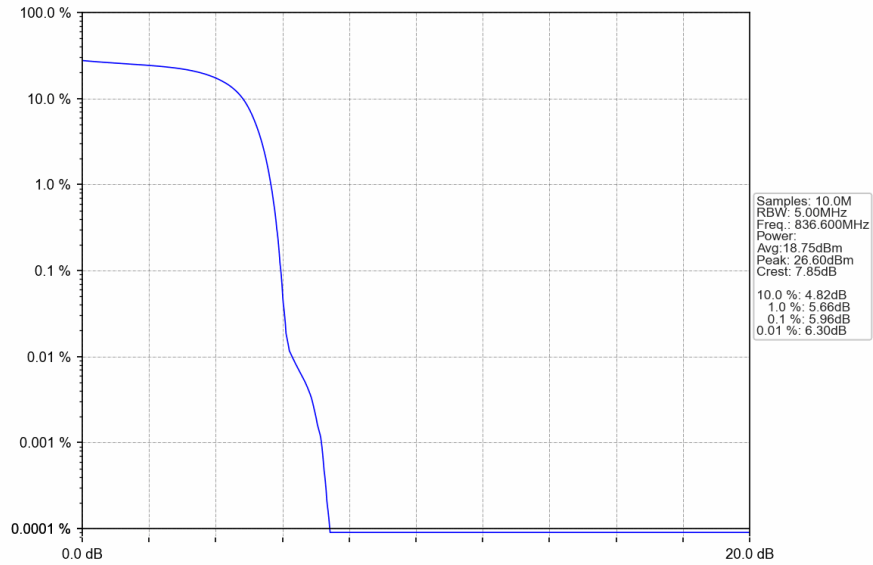


Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV

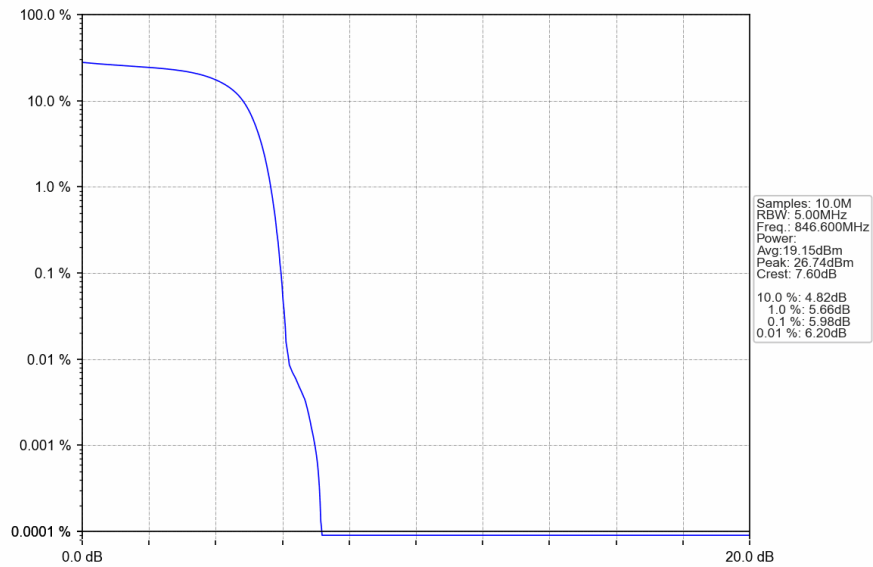




Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV

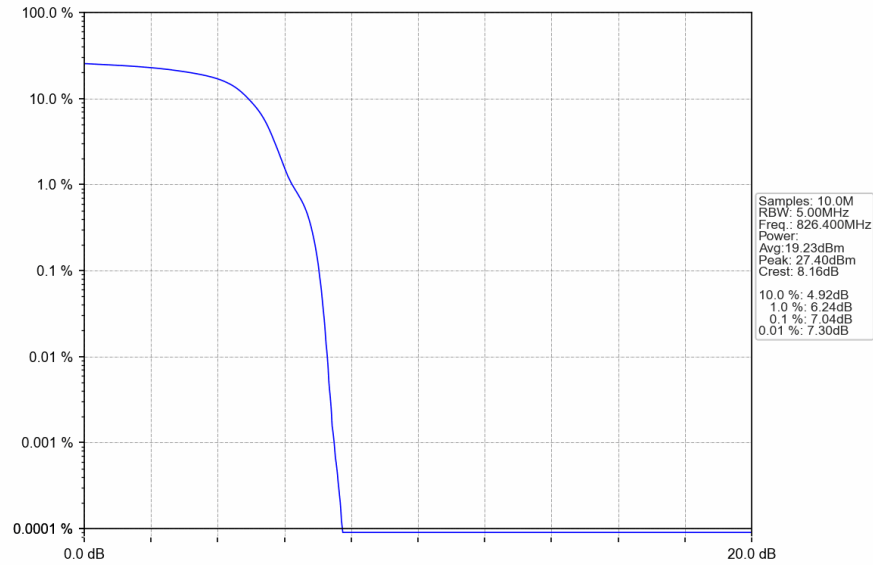


Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV

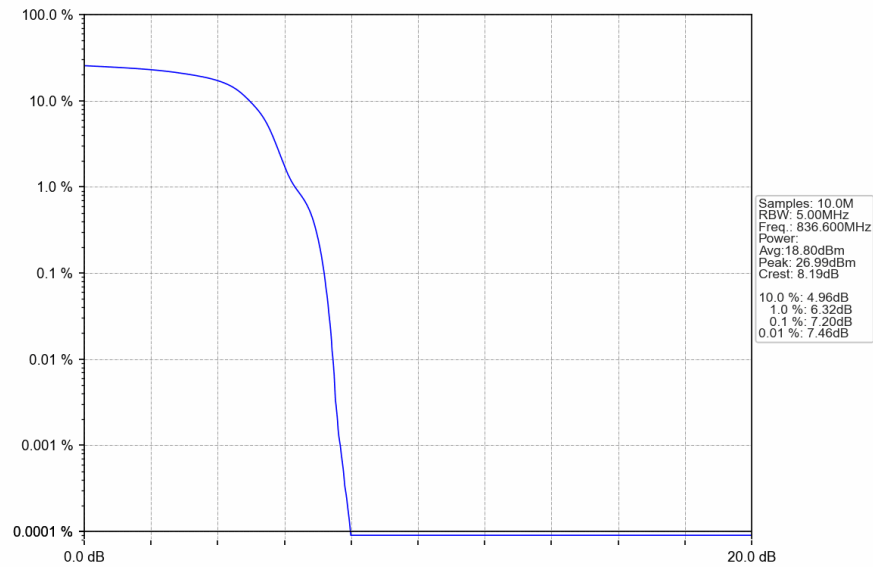




Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV

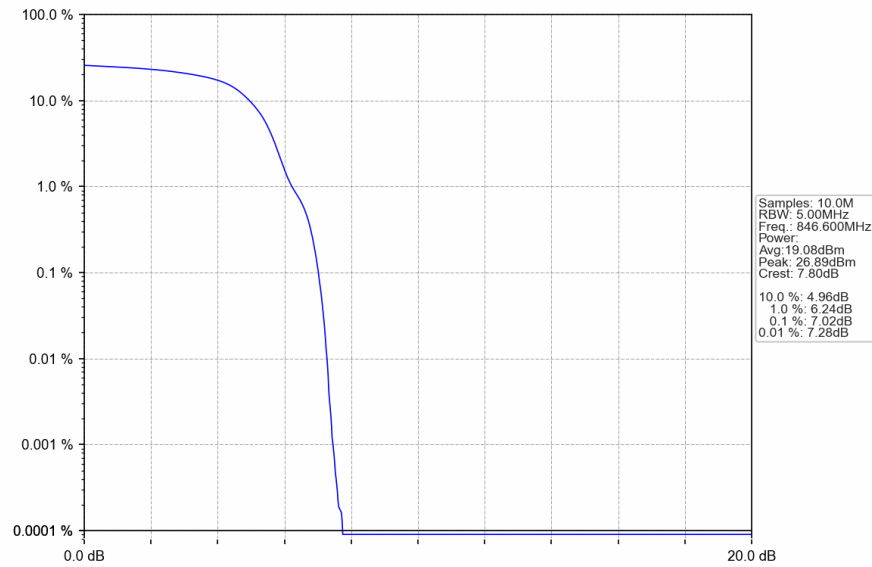


Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV





Band5_HSUPA_HCH_846.6MHz_Subtest 1_NTNV





5. Spurious Emission

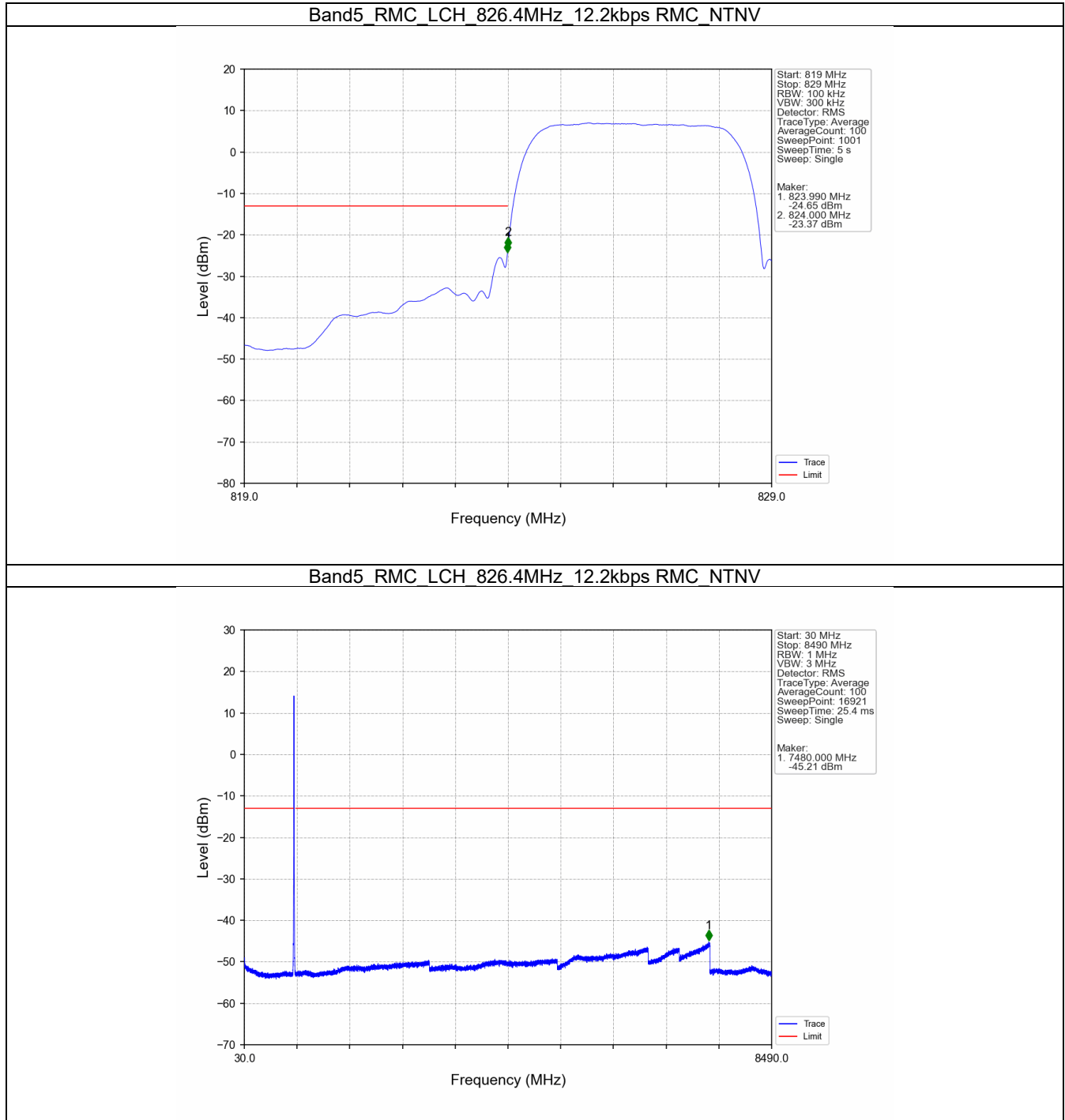
5.1 Test Result

5.1.1 Band5

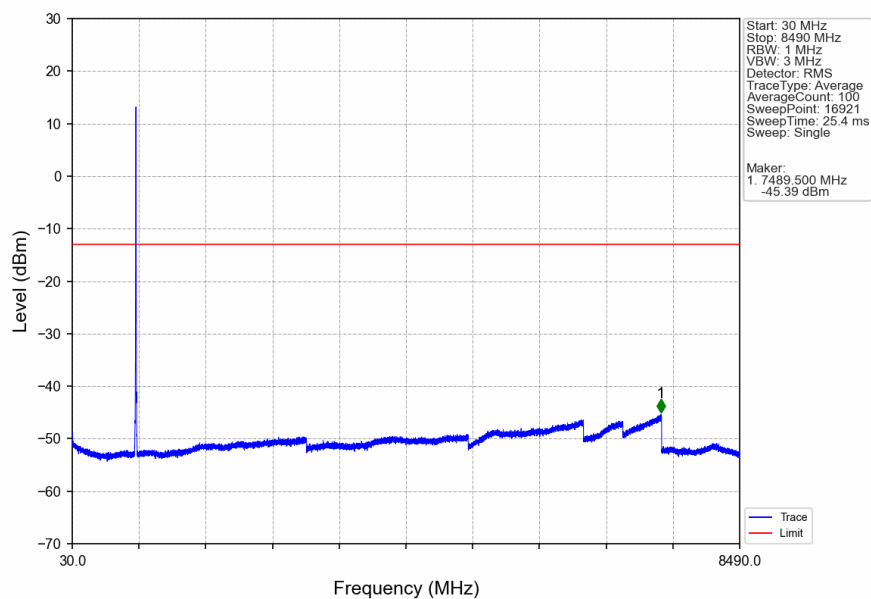
Band: 5						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	Refer To Test Graph	Pass	
			836.6	Refer To Test Graph	Pass	
			846.6	Refer To Test Graph	Pass	
	HSDPA	Subtest 1	826.4	Refer To Test Graph	Pass	
			836.6	Refer To Test Graph	Pass	
			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

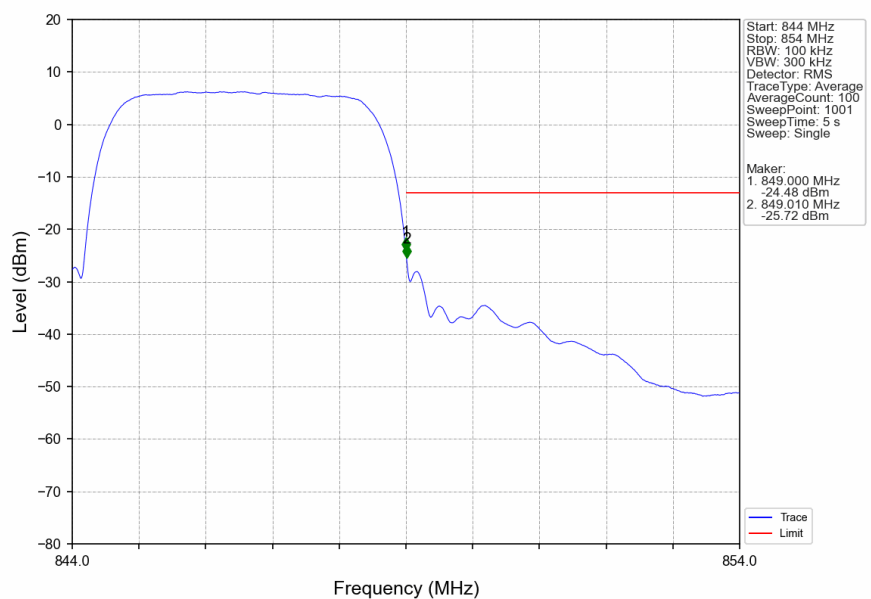
5.2.1 Band5



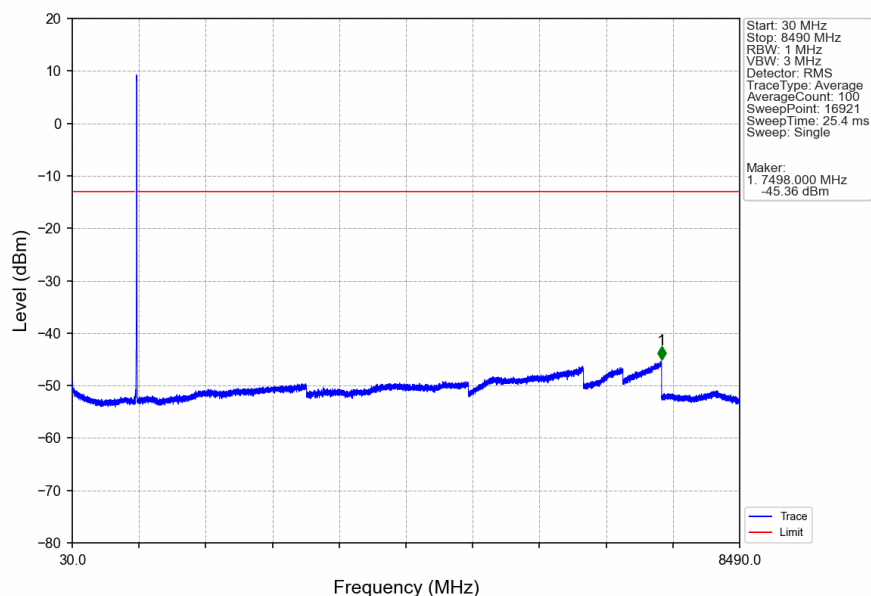
Band5_RMC_MCH_836.6MHz_12.2kbps RMC_NTNV



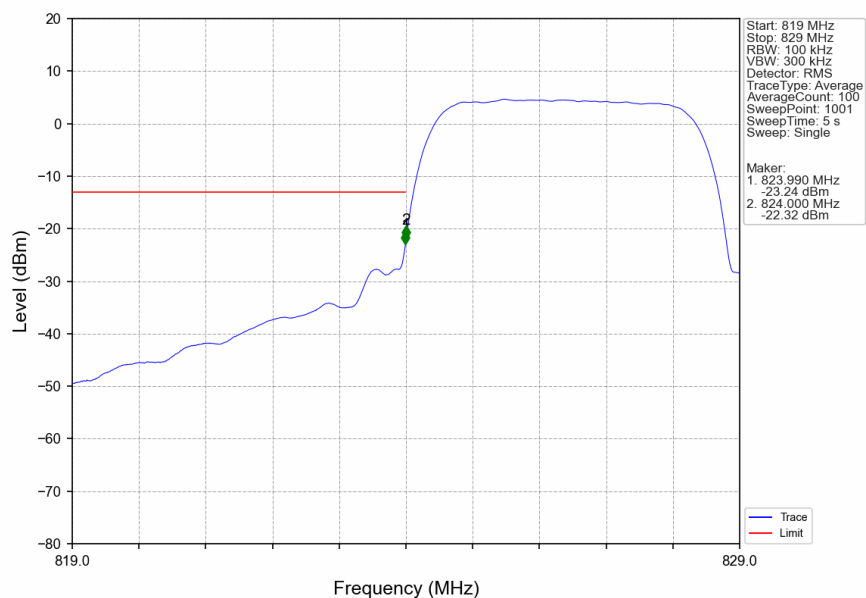
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Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV

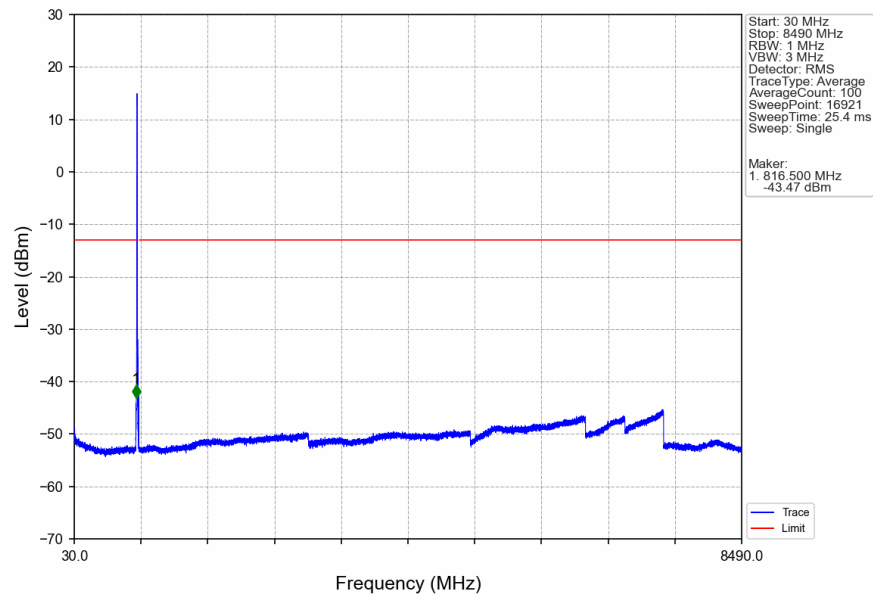


Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV

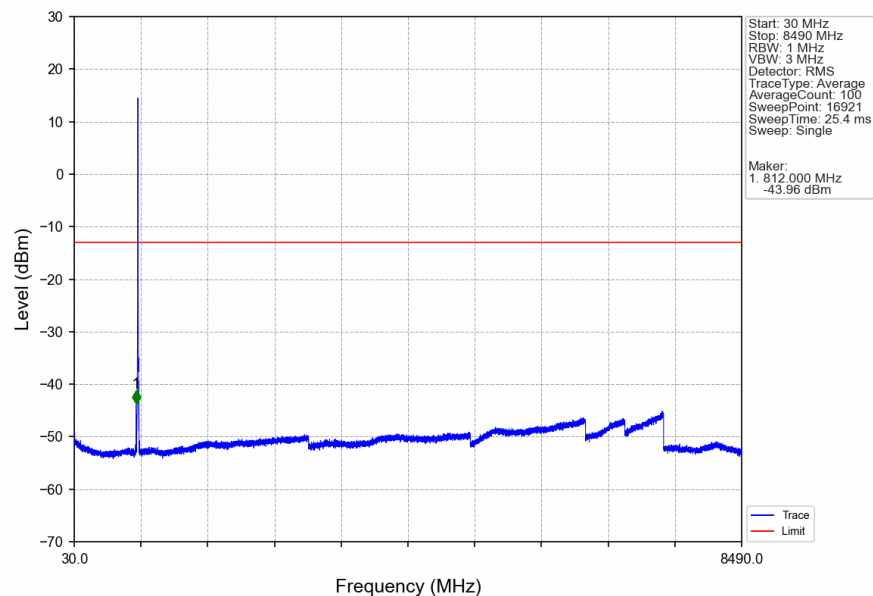




Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV

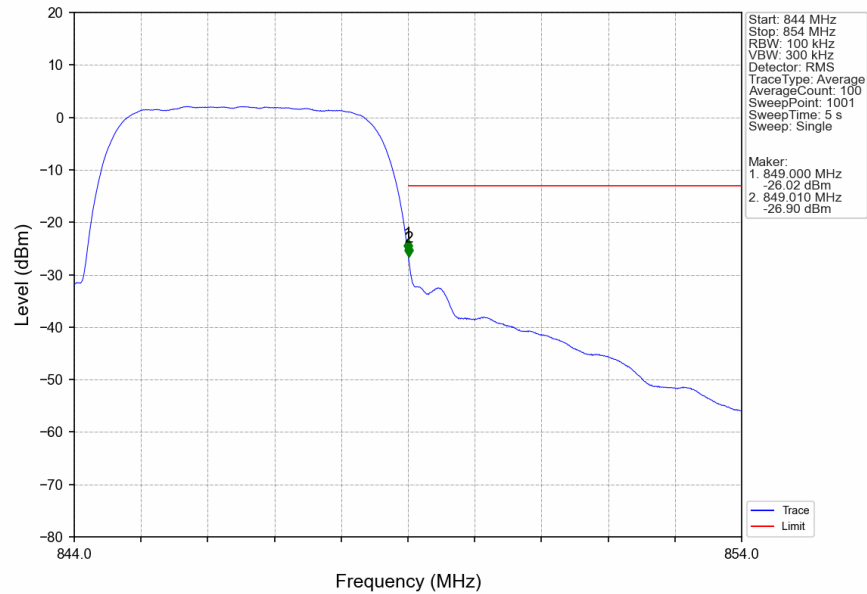


Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV

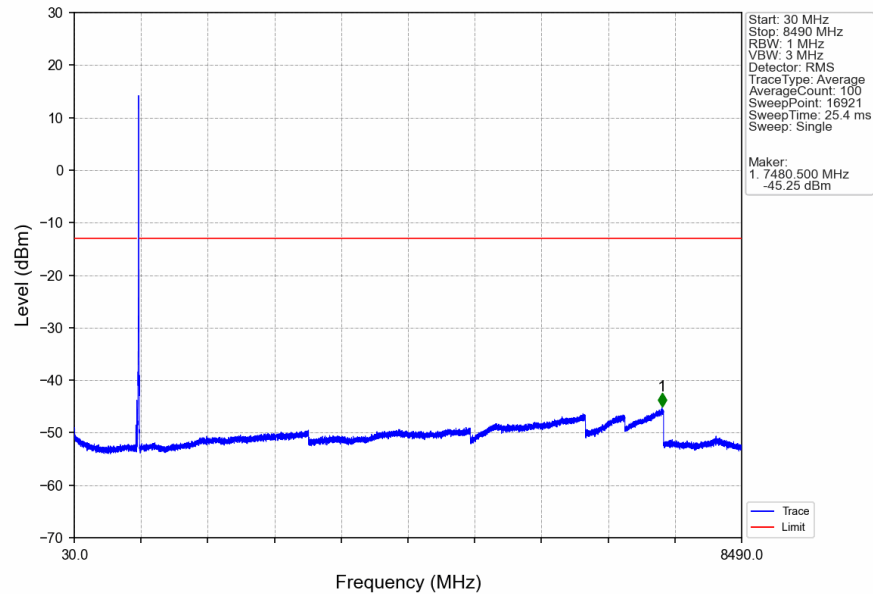




Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV

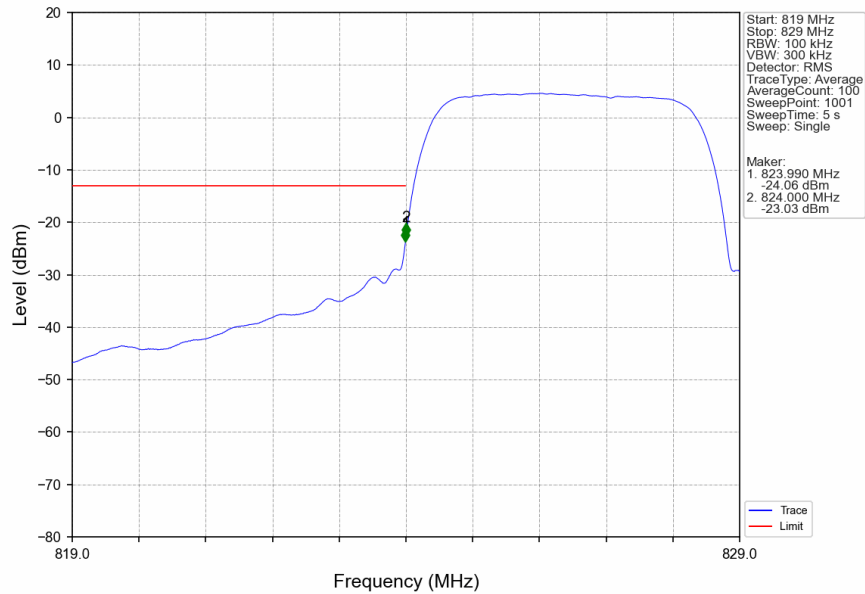


Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV

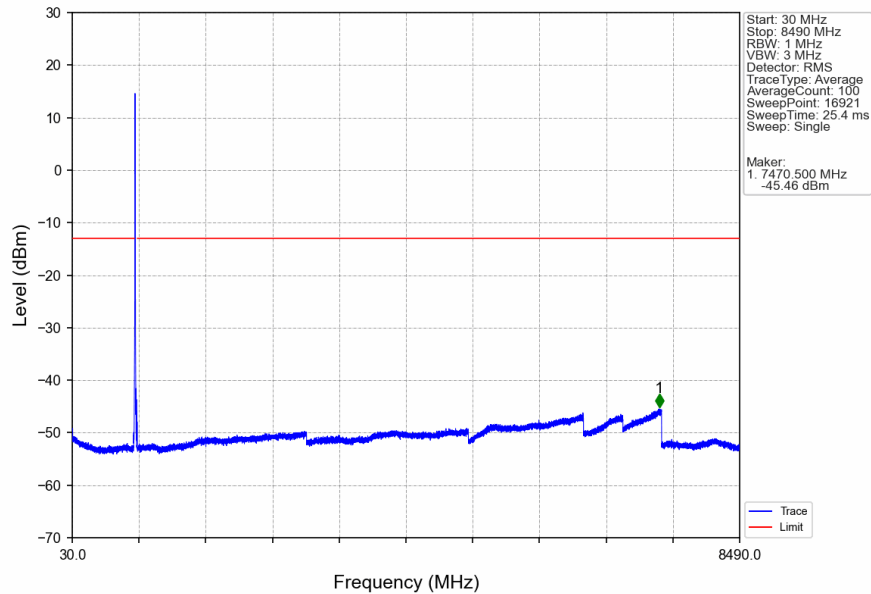




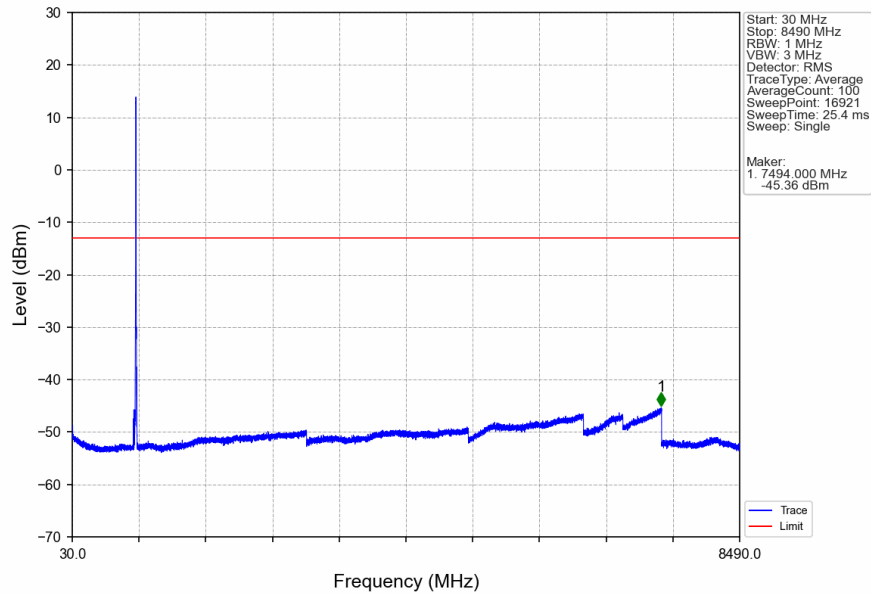
Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



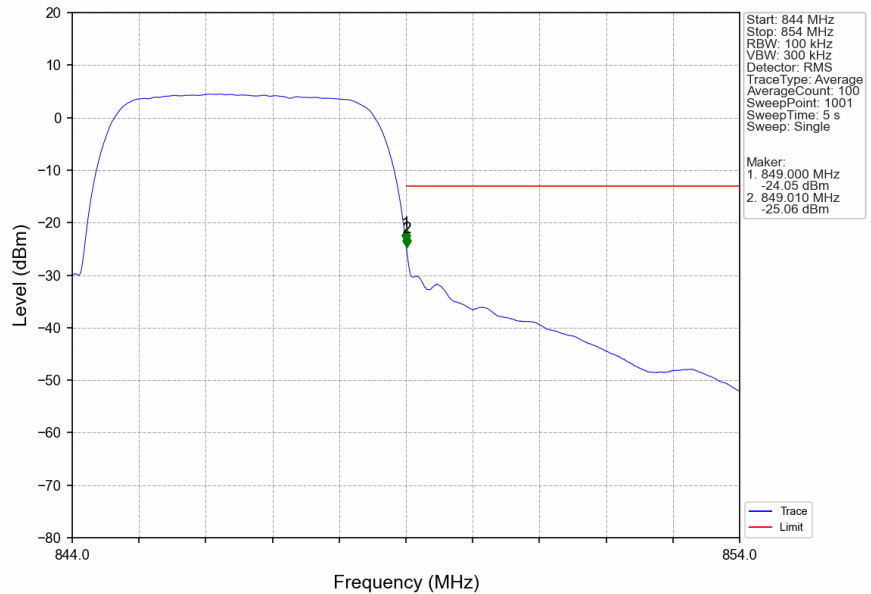
Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV

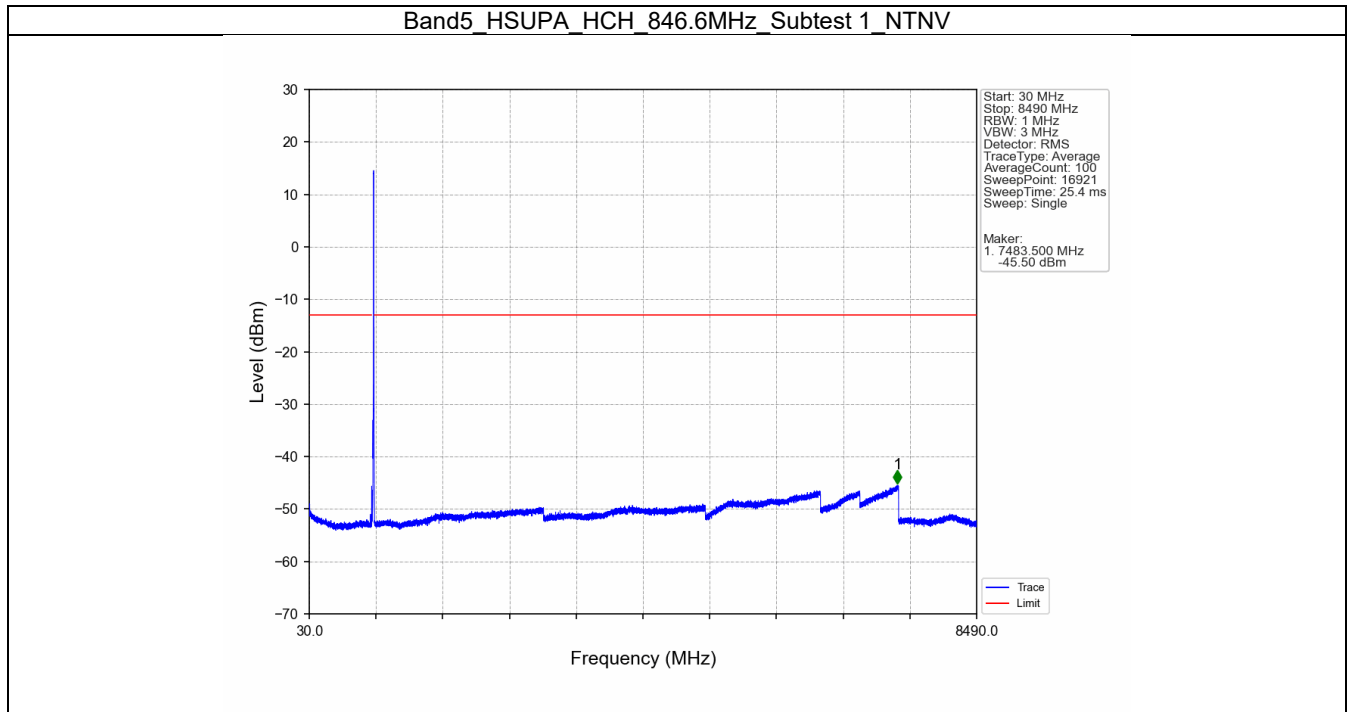


Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



Band5_HSUPA_HCH_846.6MHz_Subtest 1_NTNV





---End of Attachment---