

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	24.09	-2.80	19.14	<=38.45	Pass	
			836.6	24.24	-2.80	19.29	<=38.45	Pass	
			846.6	24.11	-2.80	19.16	<=38.45	Pass	
	HSDPA	Subtest 1	826.4	21.76	-2.80	16.81	<=38.45	Pass	
		Subtest 2	826.4	21.75	-2.80	16.80	<=38.45	Pass	
		Subtest 3	826.4	21.75	-2.80	16.80	<=38.45	Pass	
		Subtest 4	826.4	21.75	-2.80	16.80	<=38.45	Pass	
		Subtest 1	836.6	21.87	-2.80	16.92	<=38.45	Pass	
		Subtest 2	836.6	21.86	-2.80	16.91	<=38.45	Pass	
		Subtest 3	836.6	21.88	-2.80	16.93	<=38.45	Pass	
		Subtest 4	836.6	21.86	-2.80	16.91	<=38.45	Pass	
		Subtest 1	846.6	21.78	-2.80	16.83	<=38.45	Pass	
		Subtest 2	846.6	21.78	-2.80	16.83	<=38.45	Pass	
		Subtest 3	846.6	21.78	-2.80	16.83	<=38.45	Pass	
		Subtest 4	846.6	21.76	-2.80	16.81	<=38.45	Pass	
		HSUPA	Subtest 1	826.4	21.41	-2.80	16.46	<=38.45	Pass
			Subtest 2	826.4	19.58	-2.80	14.63	<=38.45	Pass
			Subtest 3	826.4	20.06	-2.80	15.11	<=38.45	Pass
			Subtest 4	826.4	20.08	-2.80	15.13	<=38.45	Pass
			Subtest 5	826.4	20.06	-2.80	15.11	<=38.45	Pass
	Subtest 1		836.6	21.56	-2.80	16.61	<=38.45	Pass	
	Subtest 2		836.6	19.96	-2.80	15.01	<=38.45	Pass	
	Subtest 3		836.6	19.68	-2.80	14.73	<=38.45	Pass	
	Subtest 4		836.6	20.21	-2.80	15.26	<=38.45	Pass	
	Subtest 5		836.6	20.16	-2.80	15.21	<=38.45	Pass	
Subtest 1	846.6		21.59	-2.80	16.64	<=38.45	Pass		
Subtest 2	846.6		19.60	-2.80	14.65	<=38.45	Pass		
Subtest 3	846.6	19.82	-2.80	14.87	<=38.45	Pass			
Subtest 4	846.6	19.83	-2.80	14.88	<=38.45	Pass			
Subtest 5	846.6	20.06	-2.80	15.11	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	826.4	20	LV	-1.345	-0.0016	-2.5 to 2.5	Pass
			NV	-0.077	-0.0001	-2.5 to 2.5	Pass
			HV	0.568	0.0007	-2.5 to 2.5	Pass
		-30	NV	-1.684	-0.0020	-2.5 to 2.5	Pass
		-20	NV	-1.164	-0.0014	-2.5 to 2.5	Pass
		-10	NV	-1.474	-0.0018	-2.5 to 2.5	Pass
		0	NV	-1.989	-0.0024	-2.5 to 2.5	Pass
		10	NV	-0.587	-0.0007	-2.5 to 2.5	Pass
		30	NV	-2.676	-0.0032	-2.5 to 2.5	Pass
		40	NV	-0.605	-0.0007	-2.5 to 2.5	Pass
		50	NV	-2.128	-0.0026	-2.5 to 2.5	Pass
	836.6	20	LV	-0.660	-0.0008	-2.5 to 2.5	Pass
			NV	-0.656	-0.0008	-2.5 to 2.5	Pass
			HV	-1.185	-0.0014	-2.5 to 2.5	Pass
		-30	NV	0.126	0.0002	-2.5 to 2.5	Pass
		-20	NV	-0.414	-0.0005	-2.5 to 2.5	Pass
		-10	NV	-0.392	-0.0005	-2.5 to 2.5	Pass
		0	NV	-0.857	-0.0010	-2.5 to 2.5	Pass
		10	NV	1.035	0.0012	-2.5 to 2.5	Pass
		30	NV	0.548	0.0007	-2.5 to 2.5	Pass
		40	NV	0.735	0.0009	-2.5 to 2.5	Pass
		50	NV	0.324	0.0004	-2.5 to 2.5	Pass
	846.6	20	LV	0.666	0.0008	-2.5 to 2.5	Pass
			NV	-0.441	-0.0005	-2.5 to 2.5	Pass
			HV	1.716	0.0020	-2.5 to 2.5	Pass
		-30	NV	1.688	0.0020	-2.5 to 2.5	Pass
		-20	NV	-0.575	-0.0007	-2.5 to 2.5	Pass
		-10	NV	-1.882	-0.0022	-2.5 to 2.5	Pass
		0	NV	-0.197	-0.0002	-2.5 to 2.5	Pass
		10	NV	0.191	0.0002	-2.5 to 2.5	Pass
		30	NV	-0.806	-0.0010	-2.5 to 2.5	Pass
		40	NV	0.508	0.0006	-2.5 to 2.5	Pass
HSDPA	826.4	20	LV	0.272	0.0003	-2.5 to 2.5	Pass
			NV	-1.943	-0.0024	-2.5 to 2.5	Pass
			HV	-1.370	-0.0017	-2.5 to 2.5	Pass
		-30	NV	-0.954	-0.0012	-2.5 to 2.5	Pass
		-20	NV	1.152	0.0014	-2.5 to 2.5	Pass
		-10	NV	-0.573	-0.0007	-2.5 to 2.5	Pass
		0	NV	-0.256	-0.0003	-2.5 to 2.5	Pass
		10	NV	-1.681	-0.0020	-2.5 to 2.5	Pass
		30	NV	-0.902	-0.0011	-2.5 to 2.5	Pass
		40	NV	-1.000	-0.0012	-2.5 to 2.5	Pass
		50	NV	-0.171	-0.0002	-2.5 to 2.5	Pass
	836.6	20	LV	0.410	0.0005	-2.5 to 2.5	Pass
			NV	-0.106	-0.0001	-2.5 to 2.5	Pass
			HV	1.190	0.0014	-2.5 to 2.5	Pass
		-30	NV	0.561	0.0007	-2.5 to 2.5	Pass
		-20	NV	-0.921	-0.0011	-2.5 to 2.5	Pass
		-10	NV	-0.299	-0.0004	-2.5 to 2.5	Pass
		0	NV	-1.649	-0.0020	-2.5 to 2.5	Pass

		10	NV	0.600	0.0007	-2.5 to 2.5	Pass
		30	NV	-0.567	-0.0007	-2.5 to 2.5	Pass
		40	NV	-0.646	-0.0008	-2.5 to 2.5	Pass
		50	NV	-1.155	-0.0014	-2.5 to 2.5	Pass
	846.6	20	LV	0.399	0.0005	-2.5 to 2.5	Pass
			NV	-0.181	-0.0002	-2.5 to 2.5	Pass
			HV	-0.214	-0.0003	-2.5 to 2.5	Pass
		-30	NV	0.437	0.0005	-2.5 to 2.5	Pass
		-20	NV	0.282	0.0003	-2.5 to 2.5	Pass
		-10	NV	-0.459	-0.0005	-2.5 to 2.5	Pass
		0	NV	-1.589	-0.0019	-2.5 to 2.5	Pass
		10	NV	-0.629	-0.0007	-2.5 to 2.5	Pass
		30	NV	0.680	0.0008	-2.5 to 2.5	Pass
		40	NV	-0.126	-0.0001	-2.5 to 2.5	Pass
		50	NV	1.141	0.0013	-2.5 to 2.5	Pass
HSUPA	826.4	20	LV	0.661	0.0008	-2.5 to 2.5	Pass
			NV	-0.586	-0.0007	-2.5 to 2.5	Pass
			HV	-2.040	-0.0025	-2.5 to 2.5	Pass
		-30	NV	-0.287	-0.0003	-2.5 to 2.5	Pass
		-20	NV	-0.442	-0.0005	-2.5 to 2.5	Pass
		-10	NV	-0.389	-0.0005	-2.5 to 2.5	Pass
		0	NV	-2.191	-0.0027	-2.5 to 2.5	Pass
		10	NV	-1.462	-0.0018	-2.5 to 2.5	Pass
		30	NV	-0.467	-0.0006	-2.5 to 2.5	Pass
		40	NV	-1.023	-0.0012	-2.5 to 2.5	Pass
		50	NV	-0.606	-0.0007	-2.5 to 2.5	Pass
	836.6	20	LV	0.388	0.0005	-2.5 to 2.5	Pass
			NV	0.796	0.0010	-2.5 to 2.5	Pass
			HV	1.600	0.0019	-2.5 to 2.5	Pass
		-30	NV	0.992	0.0012	-2.5 to 2.5	Pass
		-20	NV	-0.231	-0.0003	-2.5 to 2.5	Pass
		-10	NV	-0.850	-0.0010	-2.5 to 2.5	Pass
		0	NV	-0.241	-0.0003	-2.5 to 2.5	Pass
		10	NV	-1.138	-0.0014	-2.5 to 2.5	Pass
		30	NV	0.008	0.0000	-2.5 to 2.5	Pass
		40	NV	-1.181	-0.0014	-2.5 to 2.5	Pass
		50	NV	-0.803	-0.0010	-2.5 to 2.5	Pass
	846.6	20	LV	0.174	0.0002	-2.5 to 2.5	Pass
			NV	-0.696	-0.0008	-2.5 to 2.5	Pass
			HV	1.378	0.0016	-2.5 to 2.5	Pass
		-30	NV	0.382	0.0005	-2.5 to 2.5	Pass
		-20	NV	0.217	0.0003	-2.5 to 2.5	Pass
		-10	NV	-0.290	-0.0003	-2.5 to 2.5	Pass
		0	NV	0.273	0.0003	-2.5 to 2.5	Pass
		10	NV	0.965	0.0011	-2.5 to 2.5	Pass
		30	NV	0.303	0.0004	-2.5 to 2.5	Pass
		40	NV	-0.944	-0.0011	-2.5 to 2.5	Pass
		50	NV	-0.598	-0.0007	-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	4.182	/	Pass
			836.6	4.185	/	Pass
			846.6	4.166	/	Pass

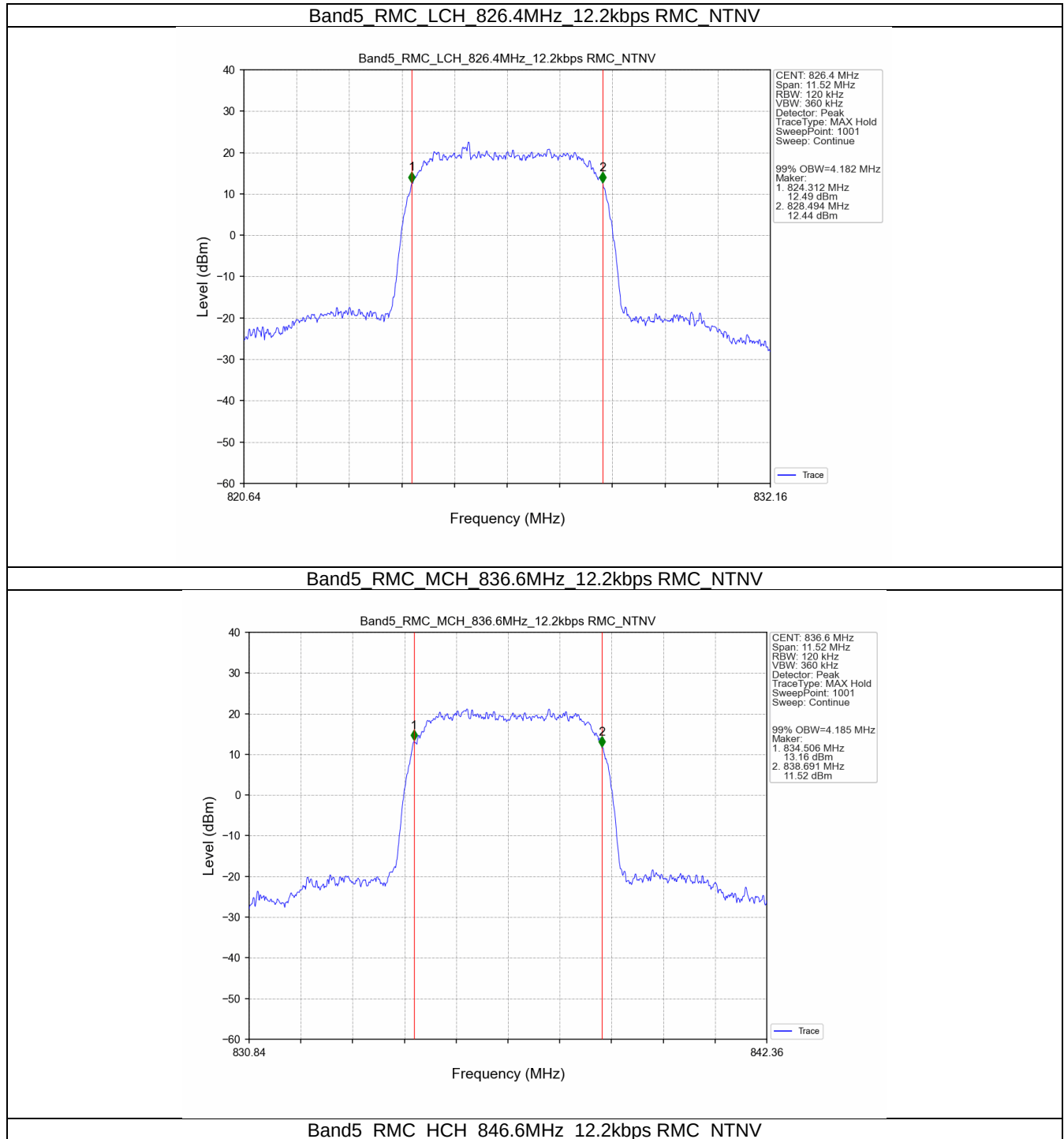
	HSDPA	Subtest 1	826.4	4.166	/	Pass
			836.6	4.175	/	Pass
			846.6	4.157	/	Pass
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			836.6	4.181	/	Pass
			846.6	4.158	/	Pass

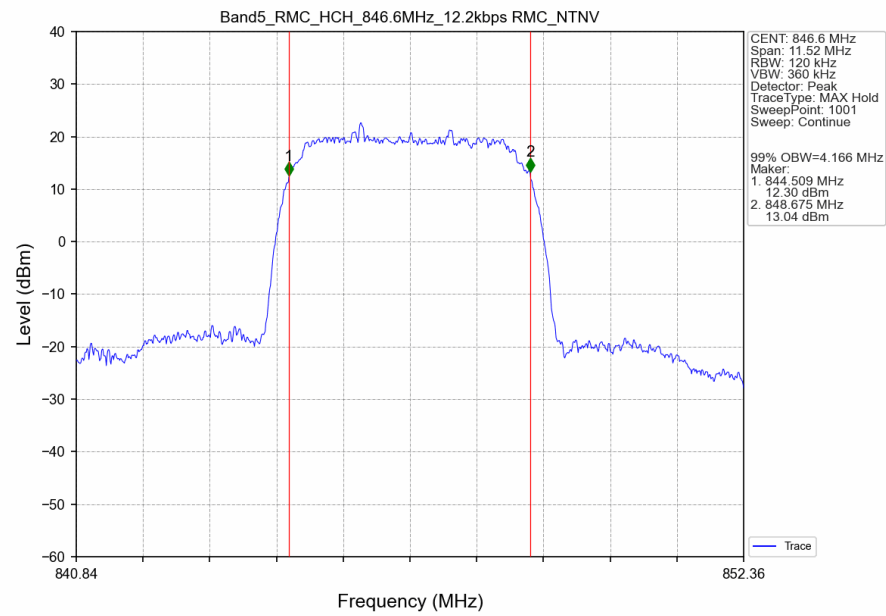
3.1.2 Band5_XDB

Band: 5						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.726	/	Pass
			836.6	4.751	/	Pass
			846.6	4.735	/	Pass
	HSDPA	Subtest 1	826.4	4.715	/	Pass
			836.6	4.730	/	Pass
			846.6	4.723	/	Pass
	HSUPA	Subtest 1	826.4	4.705	/	Pass
			836.6	4.737	/	Pass
			846.6	4.707	/	Pass

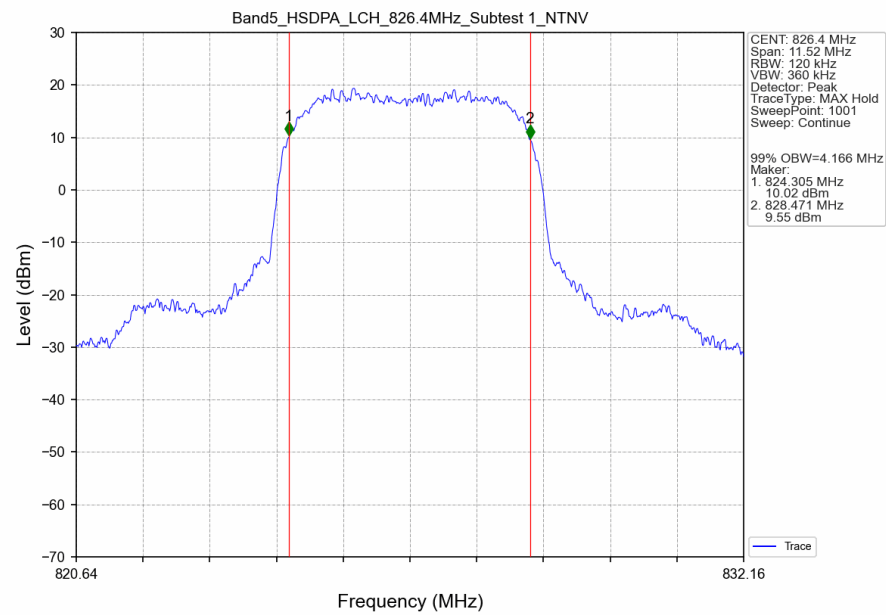
3.2 Test Graph

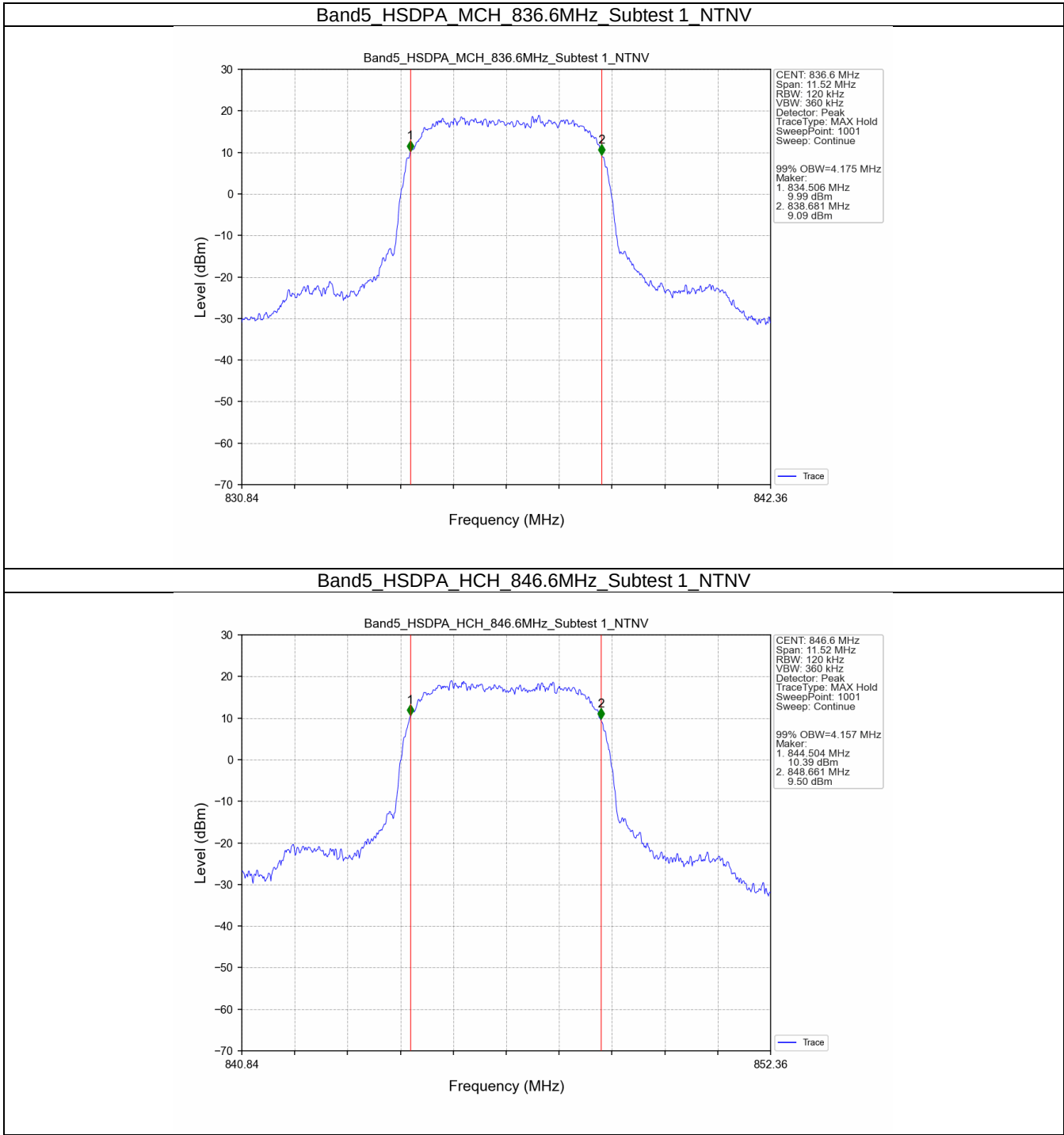
3.2.1 Band5_OBW



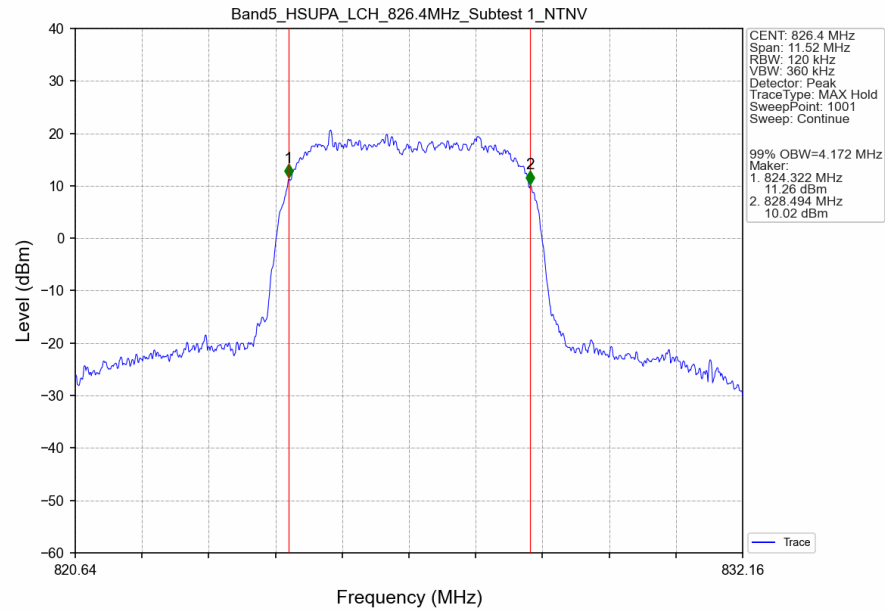


Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV

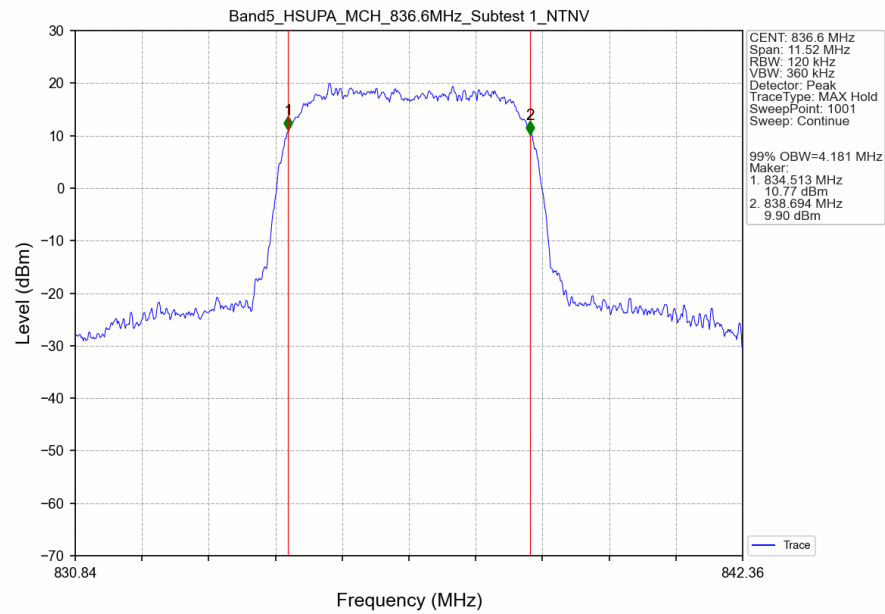


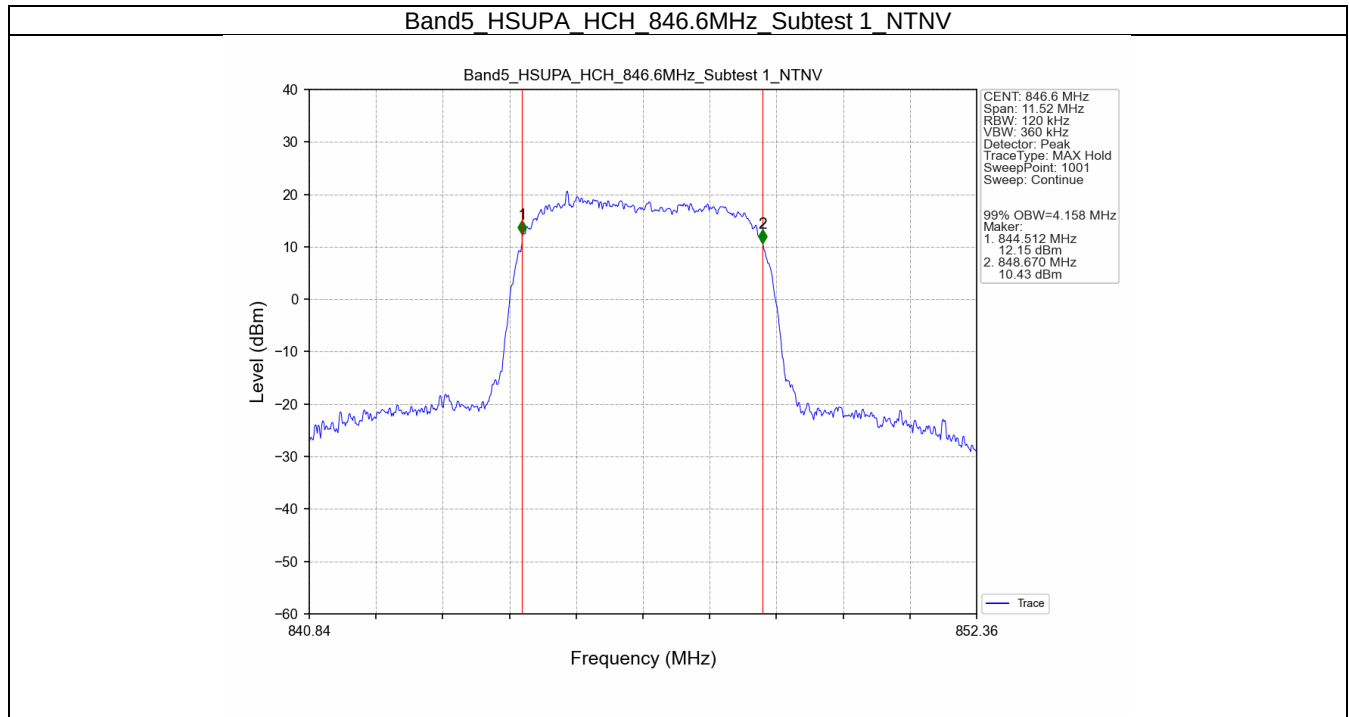


Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



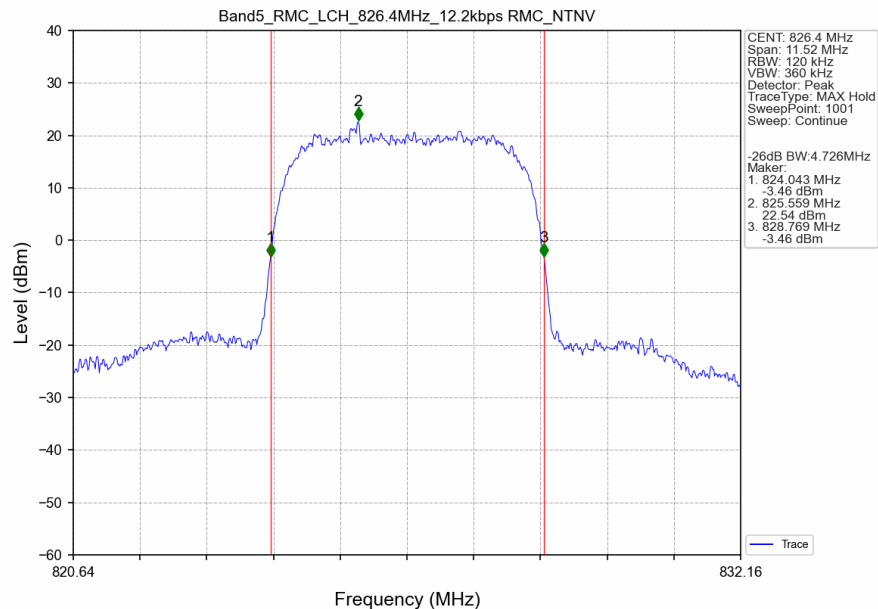
Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



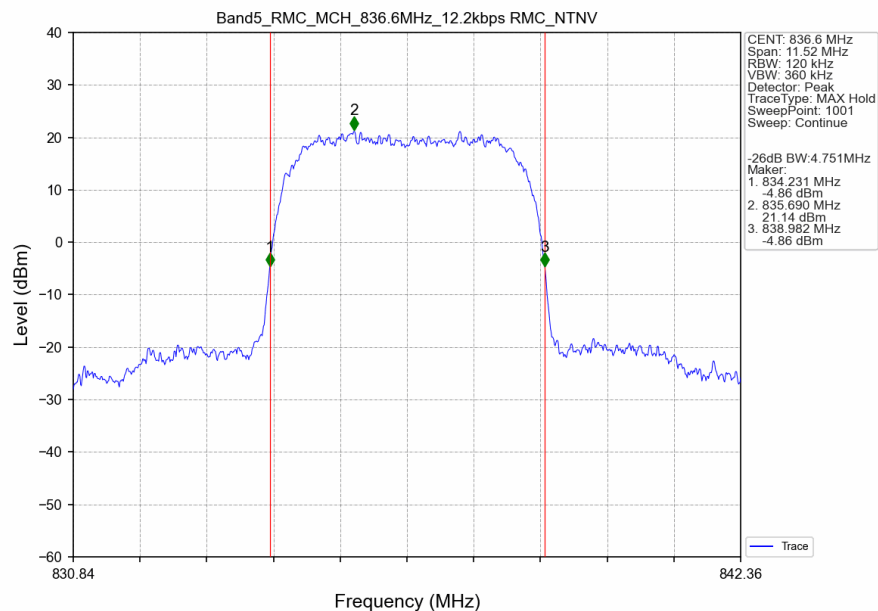


3.2.2 Band5_XDB

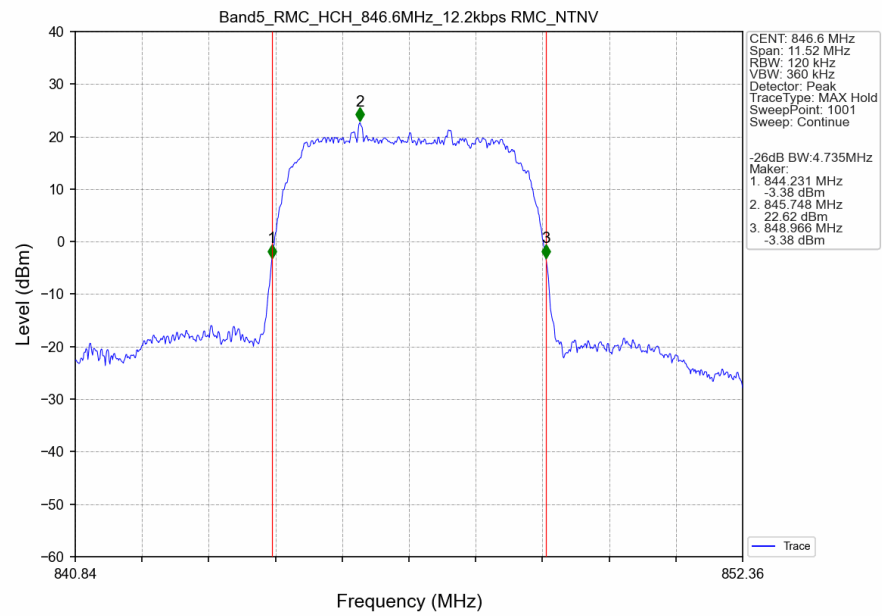
Band5_RMC_LCH_826.4MHz_12.2kbps RMC_NTNV



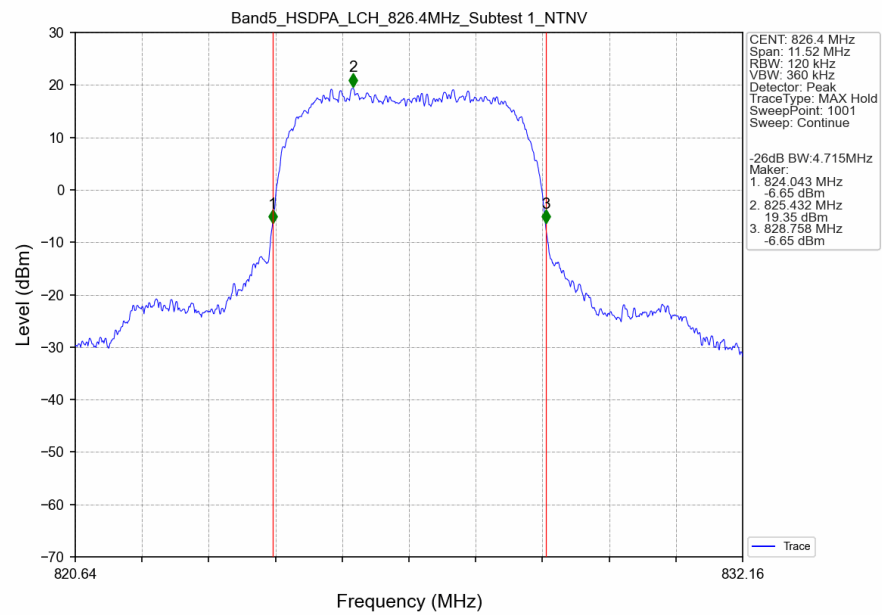
Band5_RMC_MCH_836.6MHz_12.2kbps RMC_NTNV



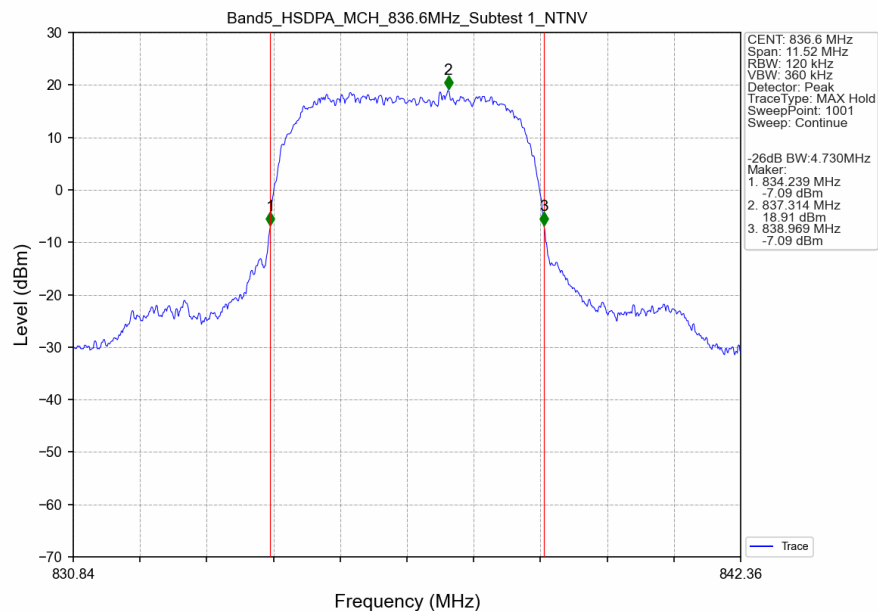
Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV



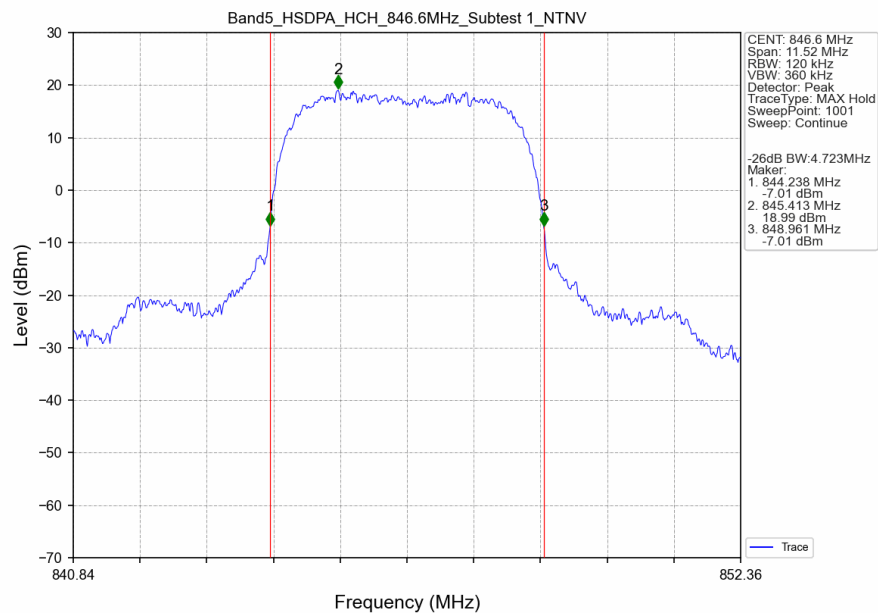
Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV

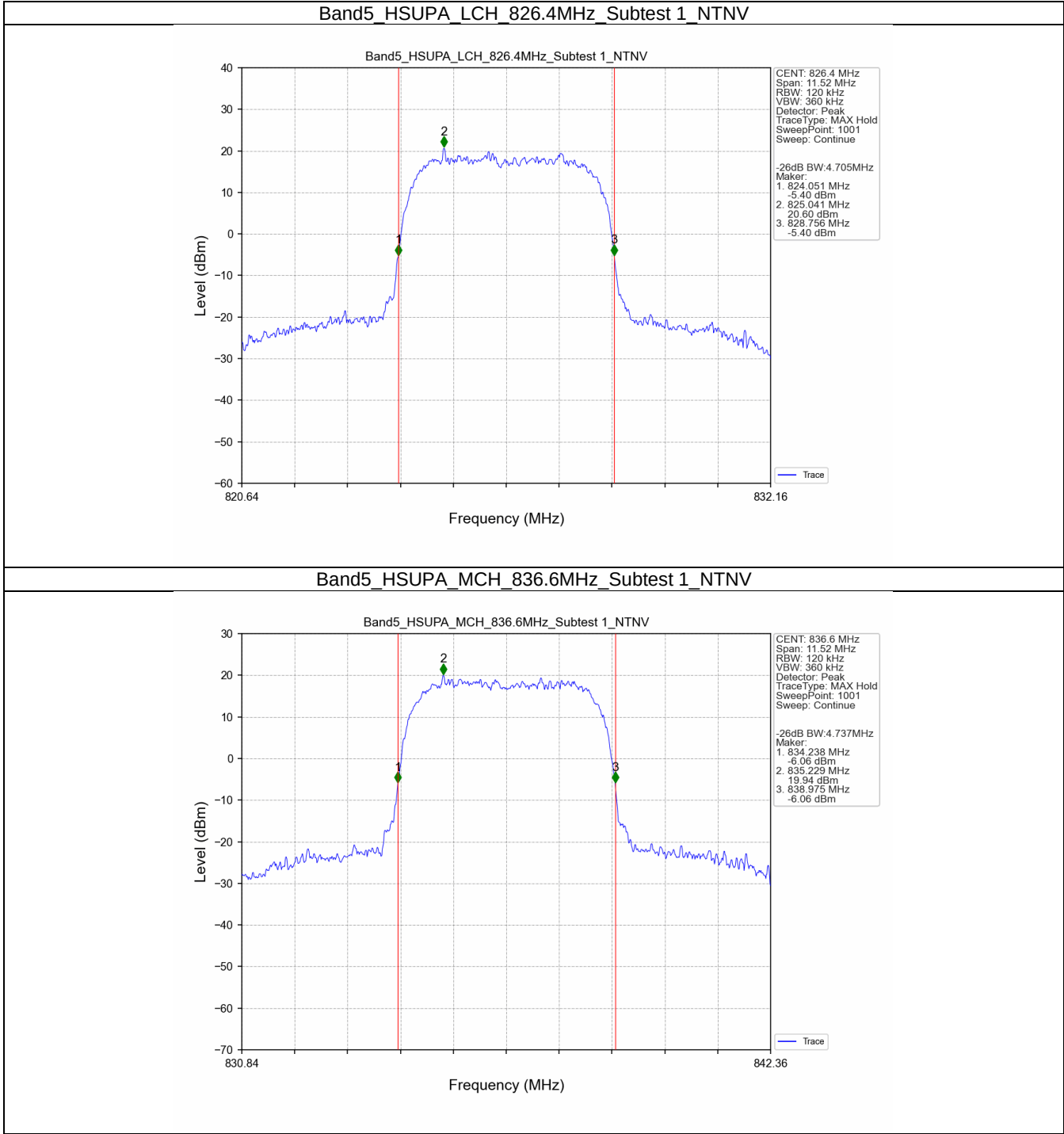


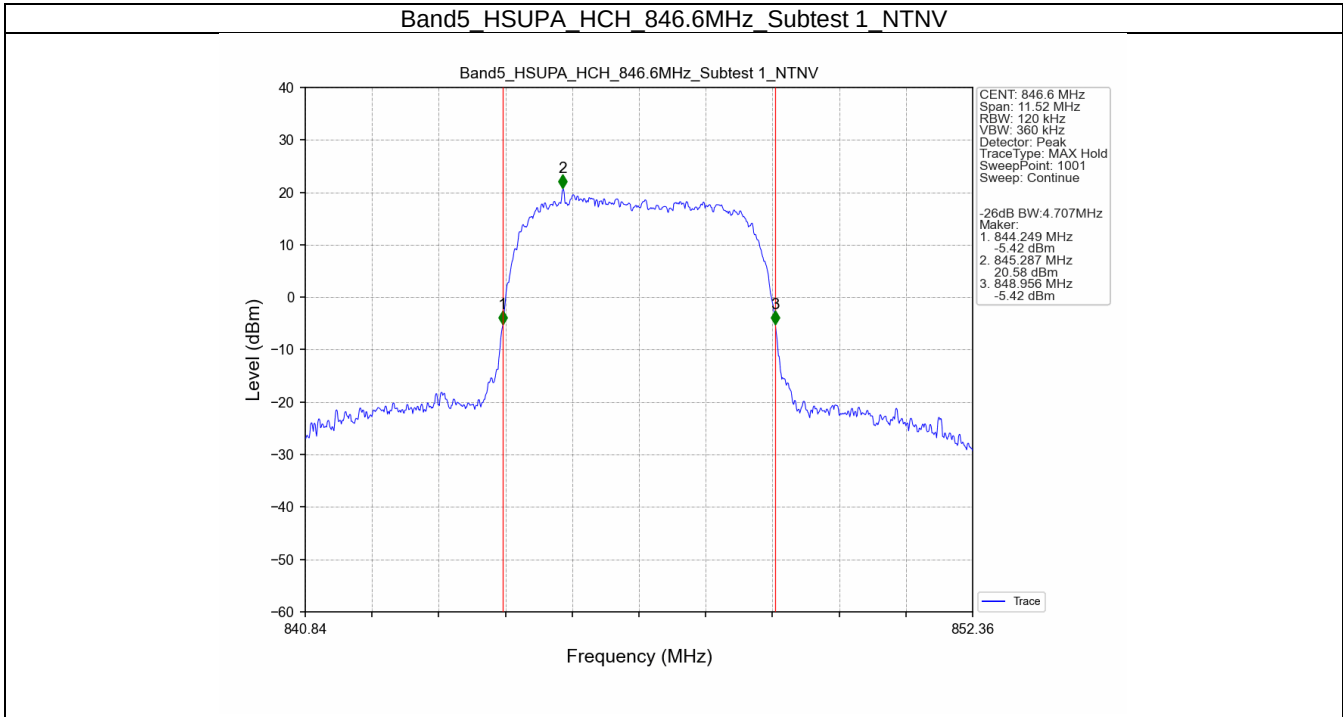
Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV



Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV







4. Peak-Average Ratio

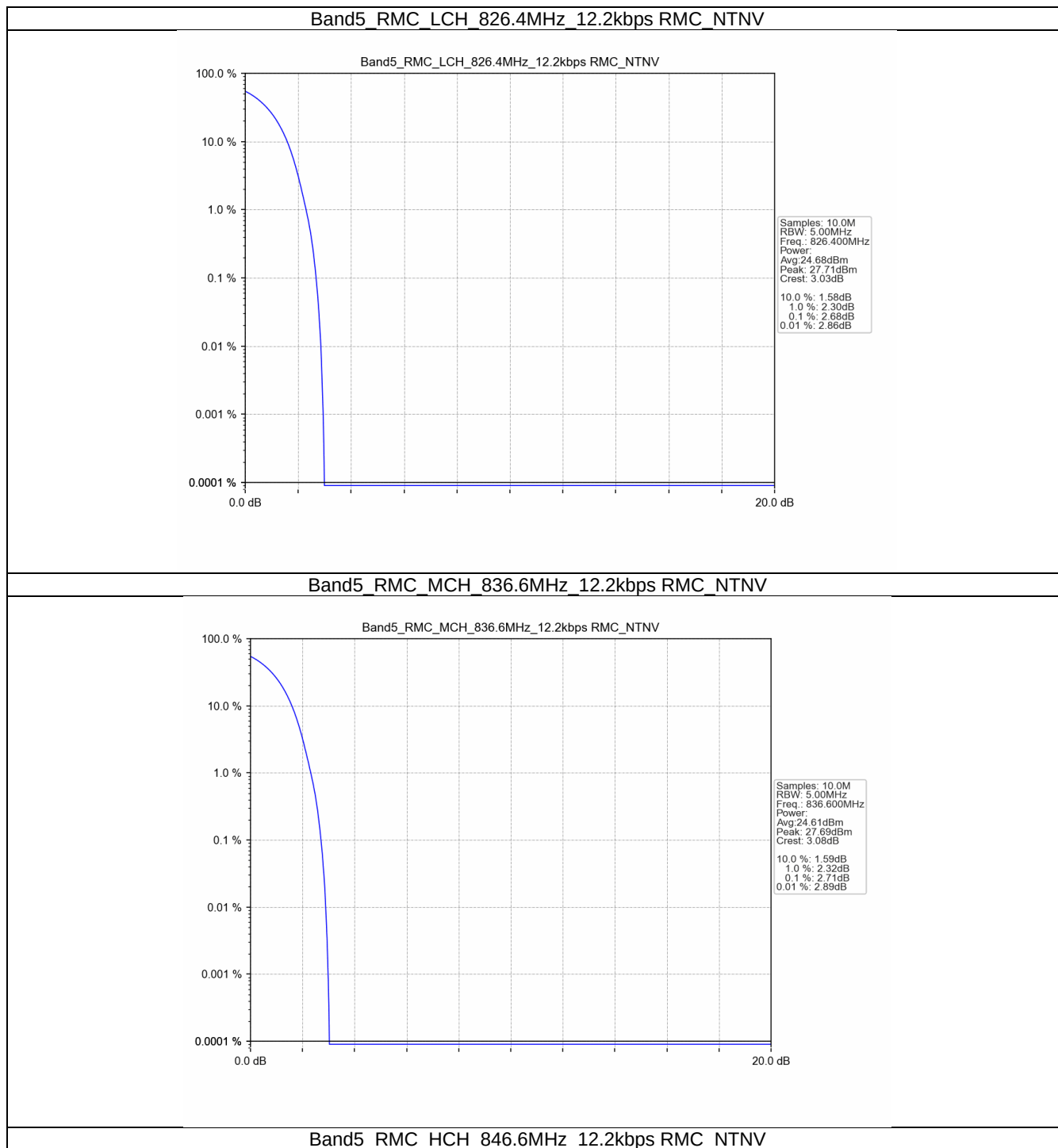
4.1 Test Result

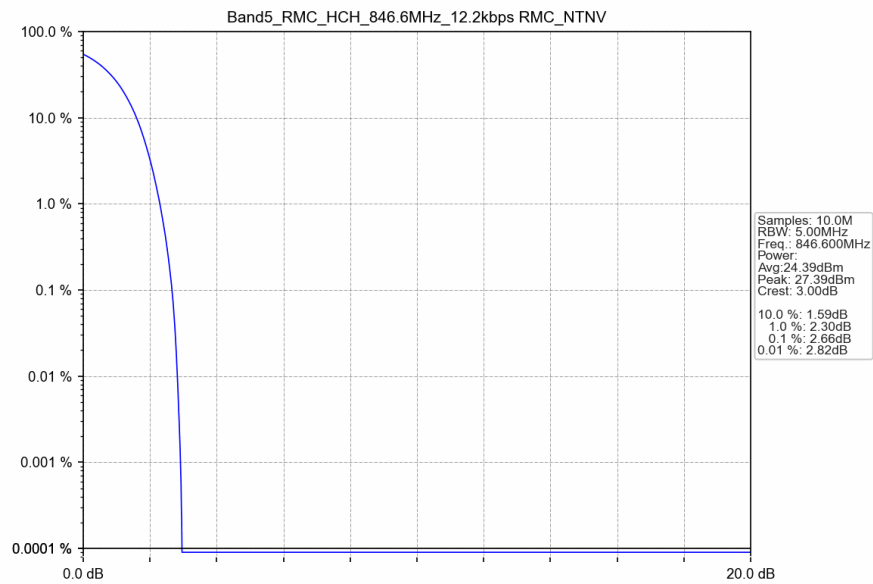
4.1.1 Band5

Band: 5						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	2.68	<=13	Pass
			836.6	2.71	<=13	Pass
			846.6	2.66	<=13	Pass
	HSDPA	Subtest 1	826.4	3.66	<=13	Pass
			836.6	3.67	<=13	Pass
			846.6	3.77	<=13	Pass
	HSUPA	Subtest 1	826.4	4.08	<=13	Pass
			836.6	4.14	<=13	Pass
			846.6	4.09	<=13	Pass

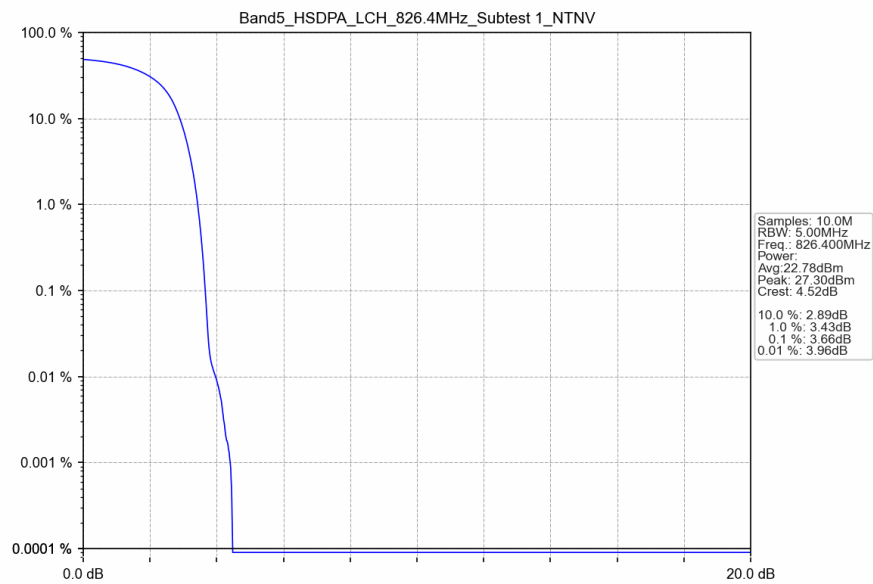
4.2 Test Graph

4.2.1 Band5

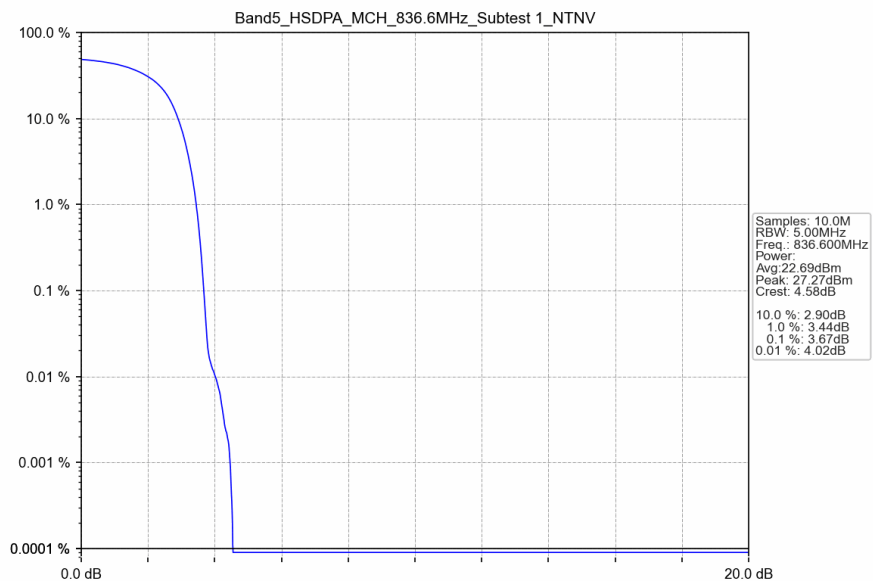




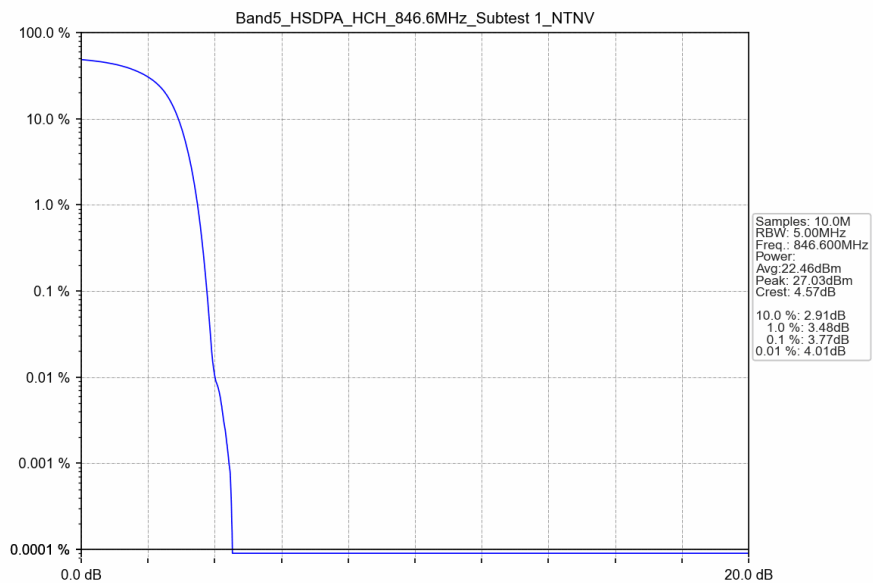
Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



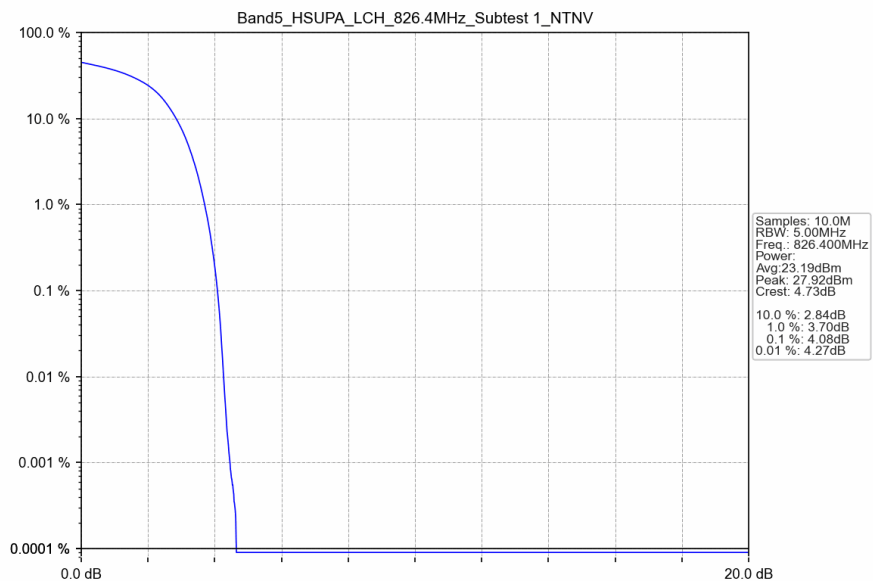
Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV



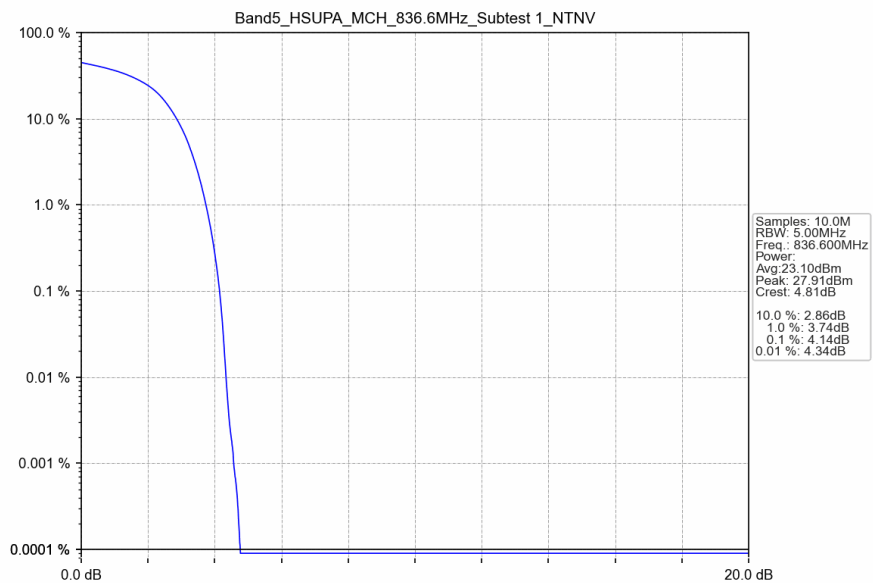
Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV

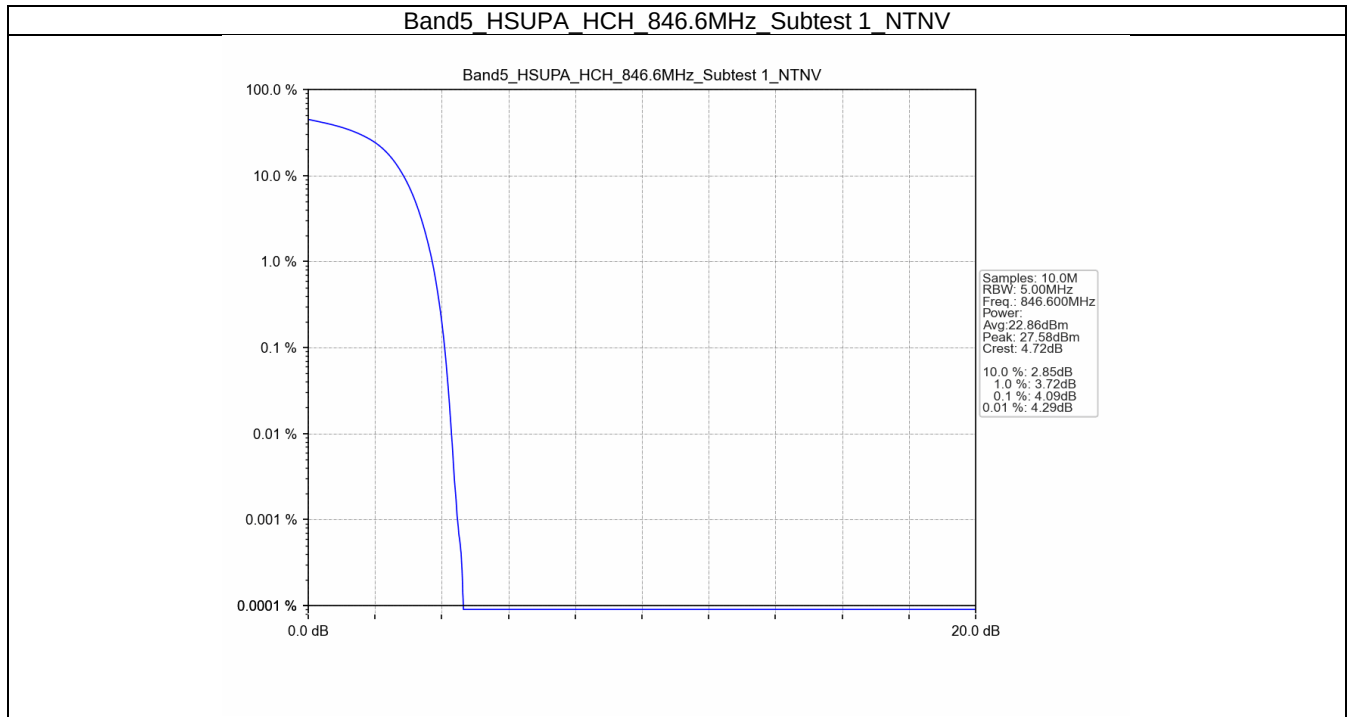


Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV





5. Spurious Emission

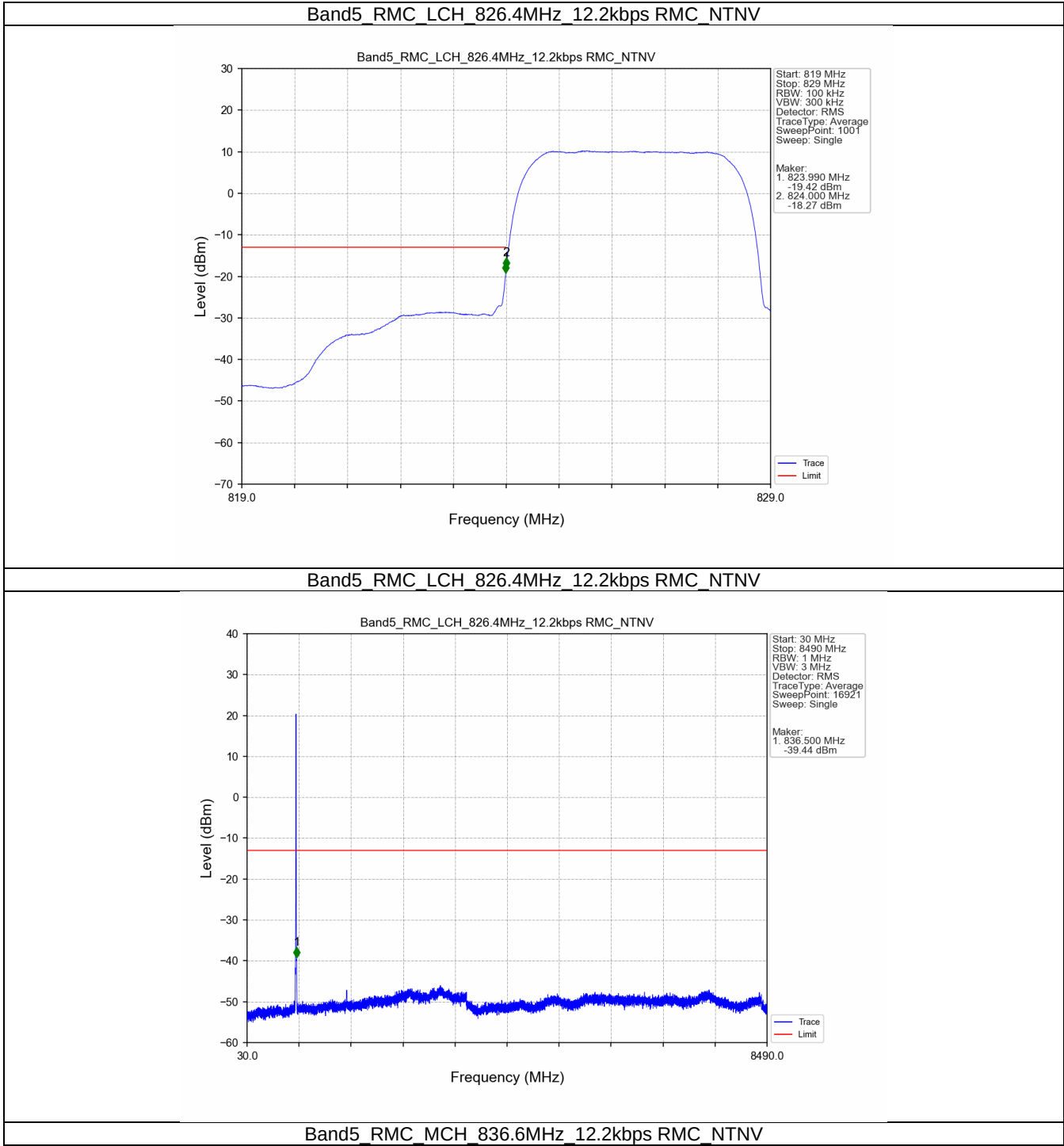
5.1 Test Result

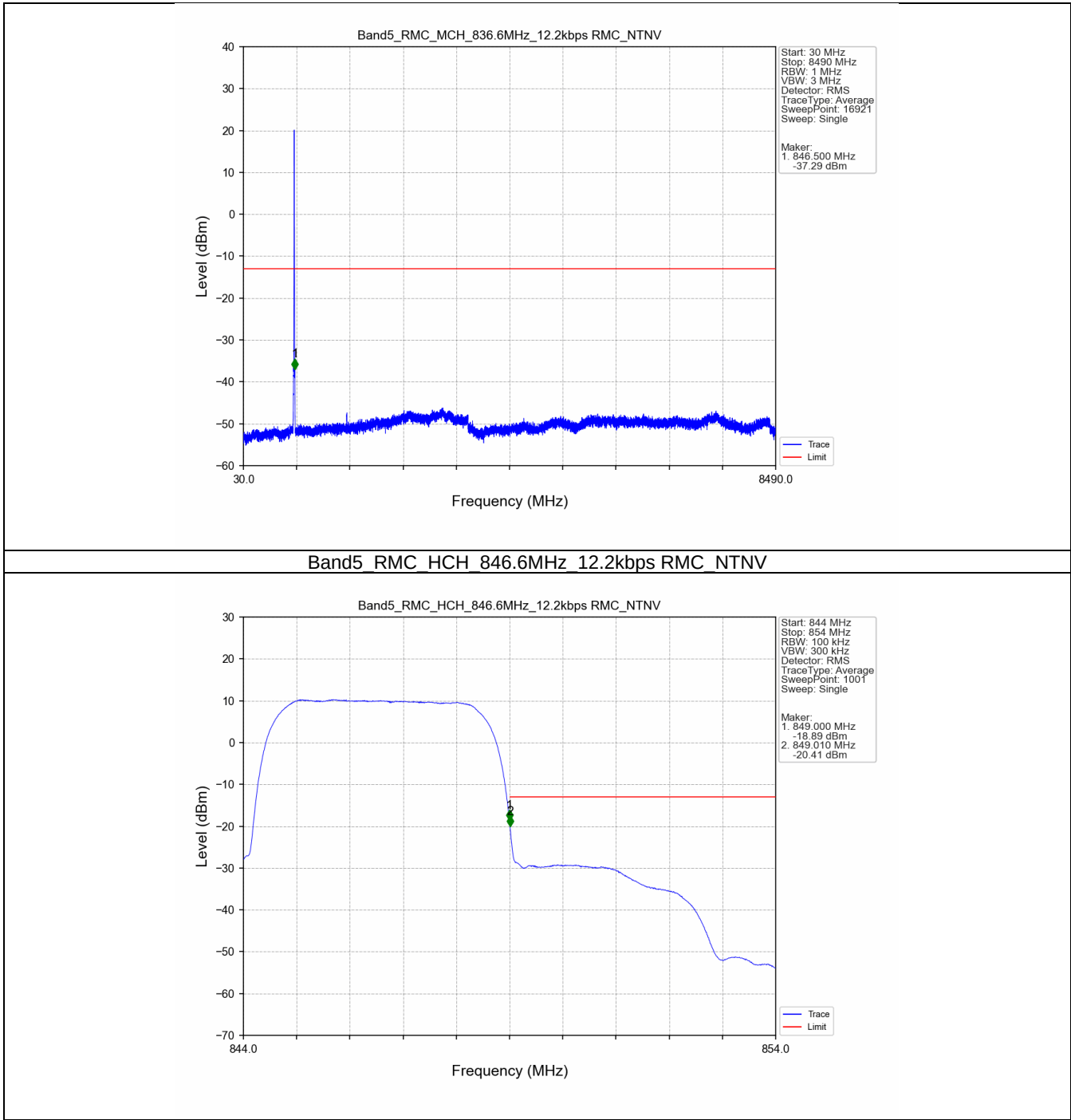
5.1.1 Band5

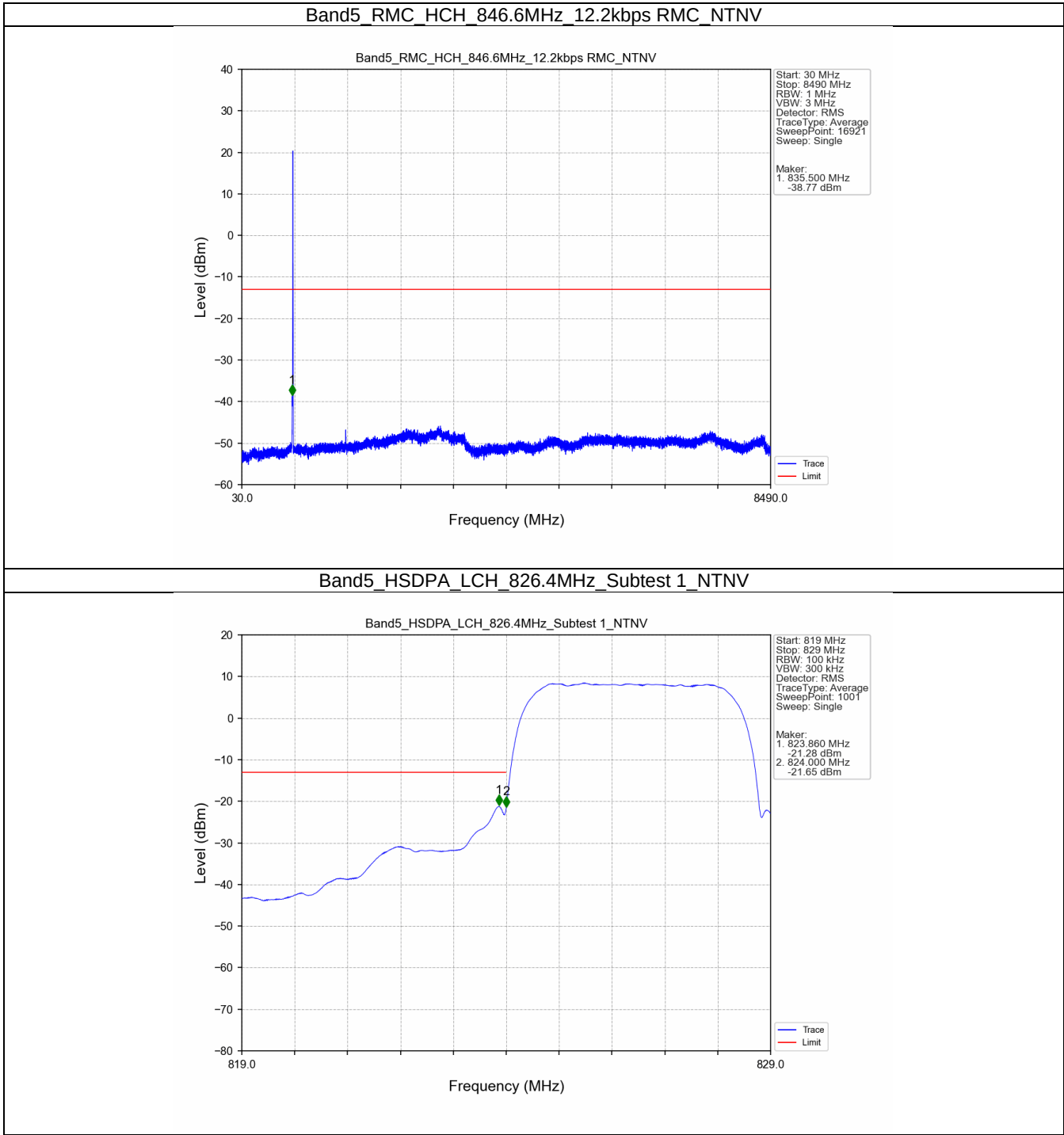
Band: 5						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	Refer To Test Graph		Pass
			836.6	Refer To Test Graph		Pass
			846.6	Refer To Test Graph		Pass
	HSDPA	Subtest 1	826.4	Refer To Test Graph		Pass
			836.6	Refer To Test Graph	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

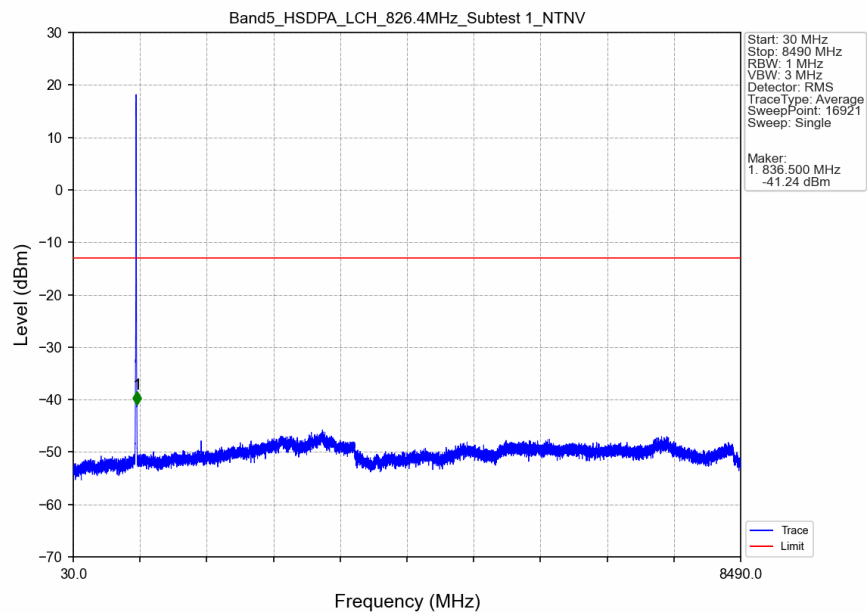
5.2.1 Band5



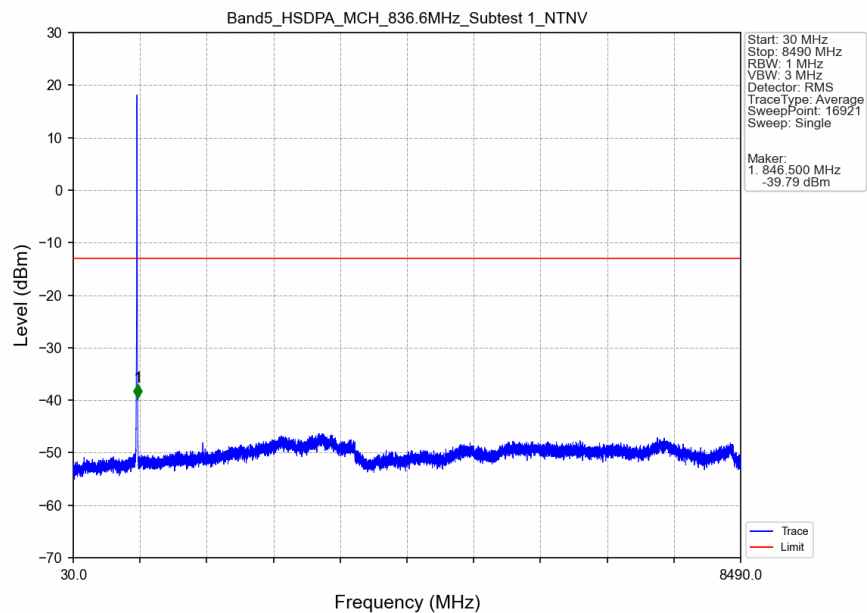




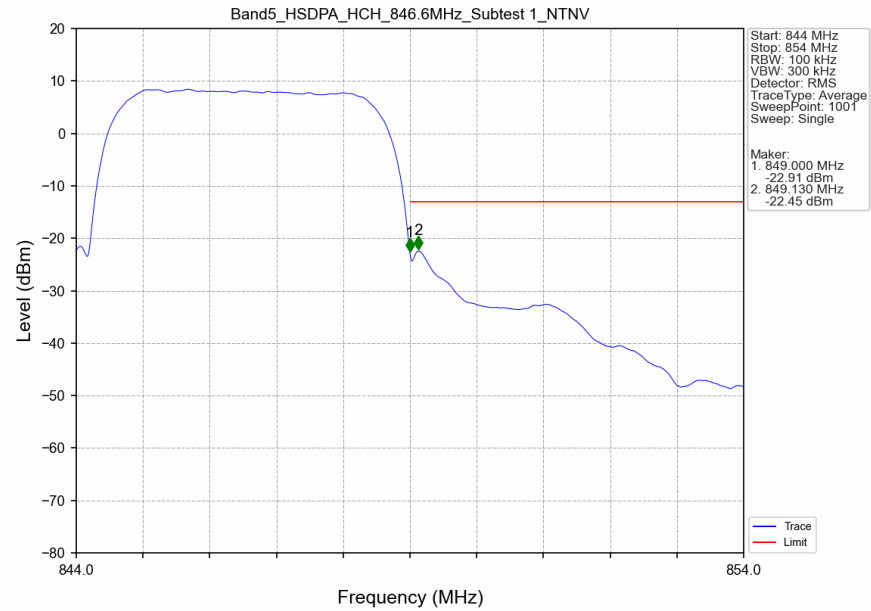
Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



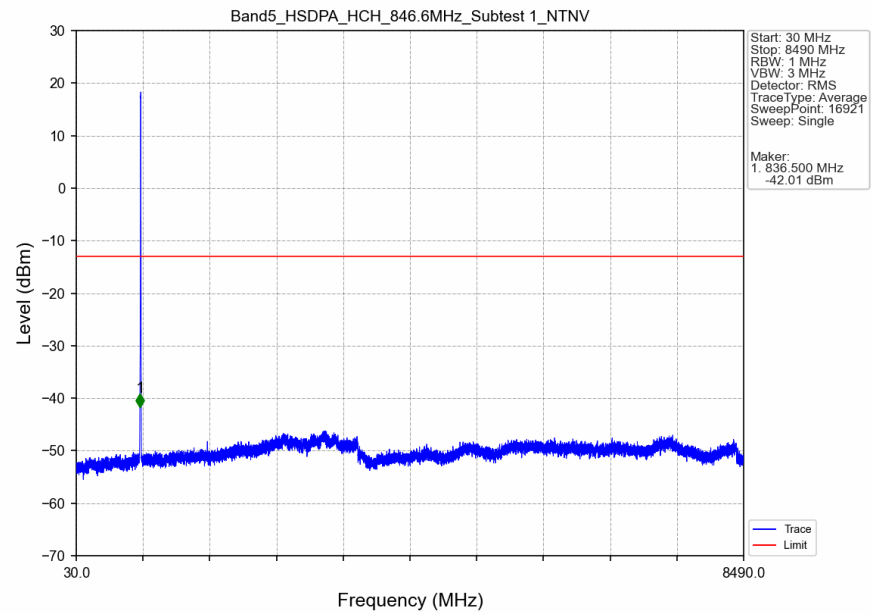
Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV



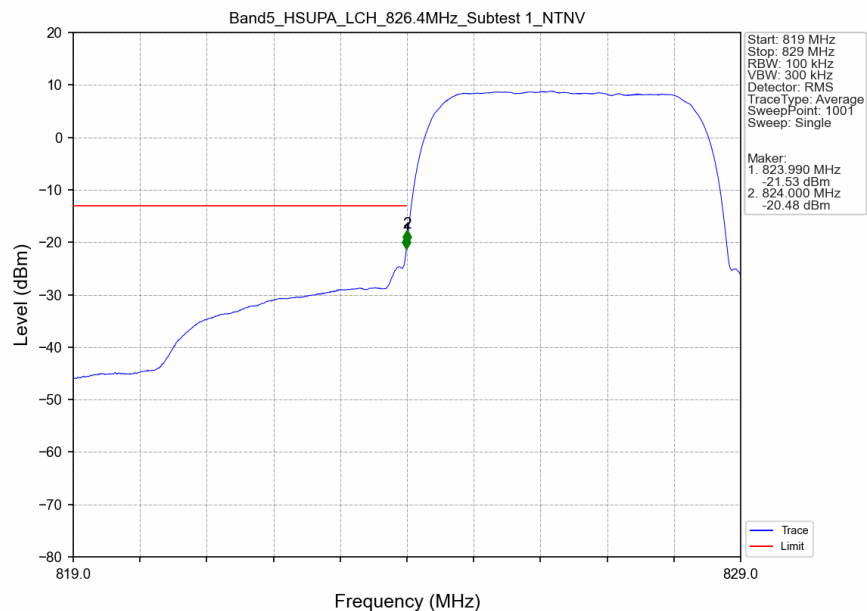
Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV



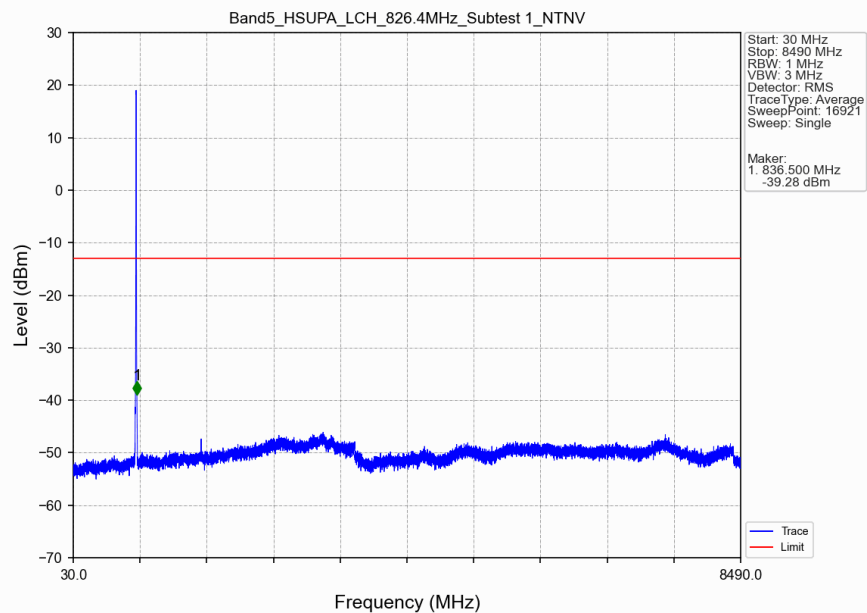
Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV



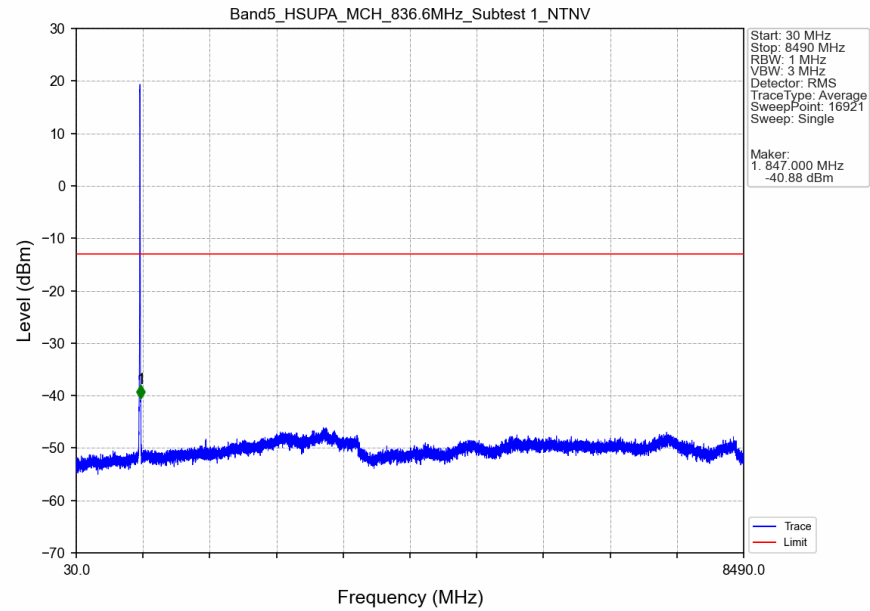
Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



Band5_HSUPA_HCH_846.6MHz_Subtest 1_NTNV

