

1. Effective (Isotropic) Radiated Power Output Data

1.1 Band5_ERP

1.1.1 Test Result

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	22.66	-2.9	17.61	<=38.45	Pass	
			836.6	22.78	-2.9	17.73	<=38.45	Pass	
			846.6	22.77	-2.9	17.72	<=38.45	Pass	
	HSDPA	Subtest 1	826.4	22.95	-2.9	17.9	<=38.45	Pass	
		Subtest 2	826.4	22.98	-2.9	17.93	<=38.45	Pass	
		Subtest 3	826.4	22.91	-2.9	17.86	<=38.45	Pass	
		Subtest 4	826.4	22.94	-2.9	17.89	<=38.45	Pass	
		Subtest 1	836.6	22.65	-2.9	17.6	<=38.45	Pass	
		Subtest 2	836.6	22.64	-2.9	17.59	<=38.45	Pass	
		Subtest 3	836.6	22.67	-2.9	17.62	<=38.45	Pass	
		Subtest 4	836.6	22.69	-2.9	17.64	<=38.45	Pass	
		Subtest 1	846.6	22.91	-2.9	17.86	<=38.45	Pass	
		Subtest 2	846.6	22.84	-2.9	17.79	<=38.45	Pass	
		Subtest 3	846.6	22.85	-2.9	17.8	<=38.45	Pass	
		Subtest 4	846.6	22.86	-2.9	17.81	<=38.45	Pass	
		HSUPA	Subtest 1	826.4	21.53	-2.9	16.48	<=38.45	Pass
			Subtest 2	826.4	21.1	-2.9	16.05	<=38.45	Pass
			Subtest 3	826.4	21.27	-2.9	16.22	<=38.45	Pass
			Subtest 4	826.4	21.51	-2.9	16.46	<=38.45	Pass
			Subtest 5	826.4	21.37	-2.9	16.32	<=38.45	Pass
	Subtest 1		836.6	21	-2.9	15.95	<=38.45	Pass	
	Subtest 2		836.6	21.04	-2.9	15.99	<=38.45	Pass	
	Subtest 3		836.6	20.99	-2.9	15.94	<=38.45	Pass	
	Subtest 4		836.6	21.03	-2.9	15.98	<=38.45	Pass	
	Subtest 5		836.6	21.07	-2.9	16.02	<=38.45	Pass	
	Subtest 1		846.6	21.58	-2.9	16.53	<=38.45	Pass	
	Subtest 2		846.6	21.21	-2.9	16.16	<=38.45	Pass	
	Subtest 3		846.6	21.02	-2.9	15.97	<=38.45	Pass	
	Subtest 4	846.6	21.2	-2.9	16.15	<=38.45	Pass		
	Subtest 5	846.6	21.37	-2.9	16.32	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Band5

2.1.1 Test Result

Band: 5							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	826.4	20	12	1.476	0.0018	-2.5 to 2.5	Pass
			24	-1.185	-0.0014	-2.5 to 2.5	Pass

			48	1.348	0.0016	-2.5 to 2.5	Pass		
		-30	24	1.821	0.0022	-2.5 to 2.5	Pass		
		-20	24	1.351	0.0016	-2.5 to 2.5	Pass		
		-10	24	0.456	0.0006	-2.5 to 2.5	Pass		
		0	24	-0.407	-0.0005	-2.5 to 2.5	Pass		
		10	24	1.551	0.0019	-2.5 to 2.5	Pass		
		30	24	1.058	0.0013	-2.5 to 2.5	Pass		
		40	24	1.876	0.0023	-2.5 to 2.5	Pass		
		50	24	-0.360	-0.0004	-2.5 to 2.5	Pass		
	836.6	20		12	1.909	0.0023	-2.5 to 2.5	Pass	
				24	0.197	0.0002	-2.5 to 2.5	Pass	
				48	-0.025	0.0000	-2.5 to 2.5	Pass	
			-30	24	2.075	0.0025	-2.5 to 2.5	Pass	
			-20	24	1.193	0.0014	-2.5 to 2.5	Pass	
			-10	24	-1.143	-0.0014	-2.5 to 2.5	Pass	
			0	24	1.193	0.0014	-2.5 to 2.5	Pass	
			10	24	-0.598	-0.0007	-2.5 to 2.5	Pass	
			30	24	-0.346	-0.0004	-2.5 to 2.5	Pass	
			40	24	0.233	0.0003	-2.5 to 2.5	Pass	
			50	24	0.091	0.0001	-2.5 to 2.5	Pass	
		846.6	20		12	-0.451	-0.0005	-2.5 to 2.5	Pass
				24	-3.014	-0.0036	-2.5 to 2.5	Pass	
				48	1.264	0.0015	-2.5 to 2.5	Pass	
			-30	24	1.745	0.0021	-2.5 to 2.5	Pass	
			-20	24	0.856	0.0010	-2.5 to 2.5	Pass	
			-10	24	-0.812	-0.0010	-2.5 to 2.5	Pass	
			0	24	1.949	0.0023	-2.5 to 2.5	Pass	
			10	24	0.964	0.0011	-2.5 to 2.5	Pass	
			30	24	-0.075	-0.0001	-2.5 to 2.5	Pass	
			40	24	1.660	0.0020	-2.5 to 2.5	Pass	
			50	24	1.957	0.0023	-2.5 to 2.5	Pass	
	HSDPA		826.4	20		12	0.177	0.0002	-2.5 to 2.5
					24	1.742	0.0021	-2.5 to 2.5	Pass
		48			-0.047	-0.0001	-2.5 to 2.5	Pass	
		-30		24	1.589	0.0019	-2.5 to 2.5	Pass	
		-20		24	4.419	0.0053	-2.5 to 2.5	Pass	
		-10		24	2.761	0.0033	-2.5 to 2.5	Pass	
		0		24	1.231	0.0015	-2.5 to 2.5	Pass	
		10		24	1.380	0.0017	-2.5 to 2.5	Pass	
		30		24	0.684	0.0008	-2.5 to 2.5	Pass	
		40		24	0.631	0.0008	-2.5 to 2.5	Pass	
		50		24	0.110	0.0001	-2.5 to 2.5	Pass	
836.6		20			12	0.562	0.0007	-2.5 to 2.5	Pass
				24	1.492	0.0018	-2.5 to 2.5	Pass	
				48	0.790	0.0009	-2.5 to 2.5	Pass	
			-30	24	-0.387	-0.0005	-2.5 to 2.5	Pass	
			-20	24	0.652	0.0008	-2.5 to 2.5	Pass	
			-10	24	0.056	0.0001	-2.5 to 2.5	Pass	
			0	24	-0.310	-0.0004	-2.5 to 2.5	Pass	
			10	24	-0.320	-0.0004	-2.5 to 2.5	Pass	
			30	24	1.730	0.0021	-2.5 to 2.5	Pass	
			40	24	0.911	0.0011	-2.5 to 2.5	Pass	
			50	24	1.322	0.0016	-2.5 to 2.5	Pass	
		846.6	20		12	3.685	0.0044	-2.5 to 2.5	Pass
				24	2.500	0.0030	-2.5 to 2.5	Pass	
				48	0.665	0.0008	-2.5 to 2.5	Pass	
		-30	24	0.084	0.0001	-2.5 to 2.5	Pass		

		-20	24	4.811	0.0057	-2.5 to 2.5	Pass
		-10	24	3.242	0.0038	-2.5 to 2.5	Pass
		0	24	3.373	0.0040	-2.5 to 2.5	Pass
		10	24	3.260	0.0039	-2.5 to 2.5	Pass
		30	24	2.396	0.0028	-2.5 to 2.5	Pass
		40	24	2.255	0.0027	-2.5 to 2.5	Pass
		50	24	1.260	0.0015	-2.5 to 2.5	Pass
HSUPA	826.4	20	12	-2.982	-0.0036	-2.5 to 2.5	Pass
			24	-4.869	-0.0059	-2.5 to 2.5	Pass
			48	-1.172	-0.0014	-2.5 to 2.5	Pass
		-30	24	-3.618	-0.0044	-2.5 to 2.5	Pass
		-20	24	-3.984	-0.0048	-2.5 to 2.5	Pass
		-10	24	-3.740	-0.0045	-2.5 to 2.5	Pass
		0	24	-3.068	-0.0037	-2.5 to 2.5	Pass
		10	24	-3.451	-0.0042	-2.5 to 2.5	Pass
		30	24	-2.272	-0.0027	-2.5 to 2.5	Pass
		40	24	-4.379	-0.0053	-2.5 to 2.5	Pass
	50	24	-3.616	-0.0044	-2.5 to 2.5	Pass	
	836.6	20	12	-5.483	-0.0066	-2.5 to 2.5	Pass
			24	-2.616	-0.0031	-2.5 to 2.5	Pass
			48	-5.124	-0.0061	-2.5 to 2.5	Pass
		-30	24	-6.300	-0.0075	-2.5 to 2.5	Pass
		-20	24	-5.869	-0.0070	-2.5 to 2.5	Pass
		-10	24	-4.516	-0.0054	-2.5 to 2.5	Pass
		0	24	-4.984	-0.0060	-2.5 to 2.5	Pass
		10	24	-4.005	-0.0048	-2.5 to 2.5	Pass
		30	24	-2.786	-0.0033	-2.5 to 2.5	Pass
		40	24	-4.654	-0.0056	-2.5 to 2.5	Pass
	50	24	-5.761	-0.0069	-2.5 to 2.5	Pass	
	846.6	20	12	-3.092	-0.0037	-2.5 to 2.5	Pass
			24	-3.129	-0.0037	-2.5 to 2.5	Pass
			48	-1.201	-0.0014	-2.5 to 2.5	Pass
		-30	24	-1.537	-0.0018	-2.5 to 2.5	Pass
		-20	24	-1.622	-0.0019	-2.5 to 2.5	Pass
		-10	24	-3.220	-0.0038	-2.5 to 2.5	Pass
		0	24	-4.214	-0.0050	-2.5 to 2.5	Pass
		10	24	-3.001	-0.0035	-2.5 to 2.5	Pass
30		24	-2.496	-0.0029	-2.5 to 2.5	Pass	
40		24	-2.875	-0.0034	-2.5 to 2.5	Pass	
50	24	-4.653	-0.0055	-2.5 to 2.5	Pass		

3. 99% & 26dB Bandwidth

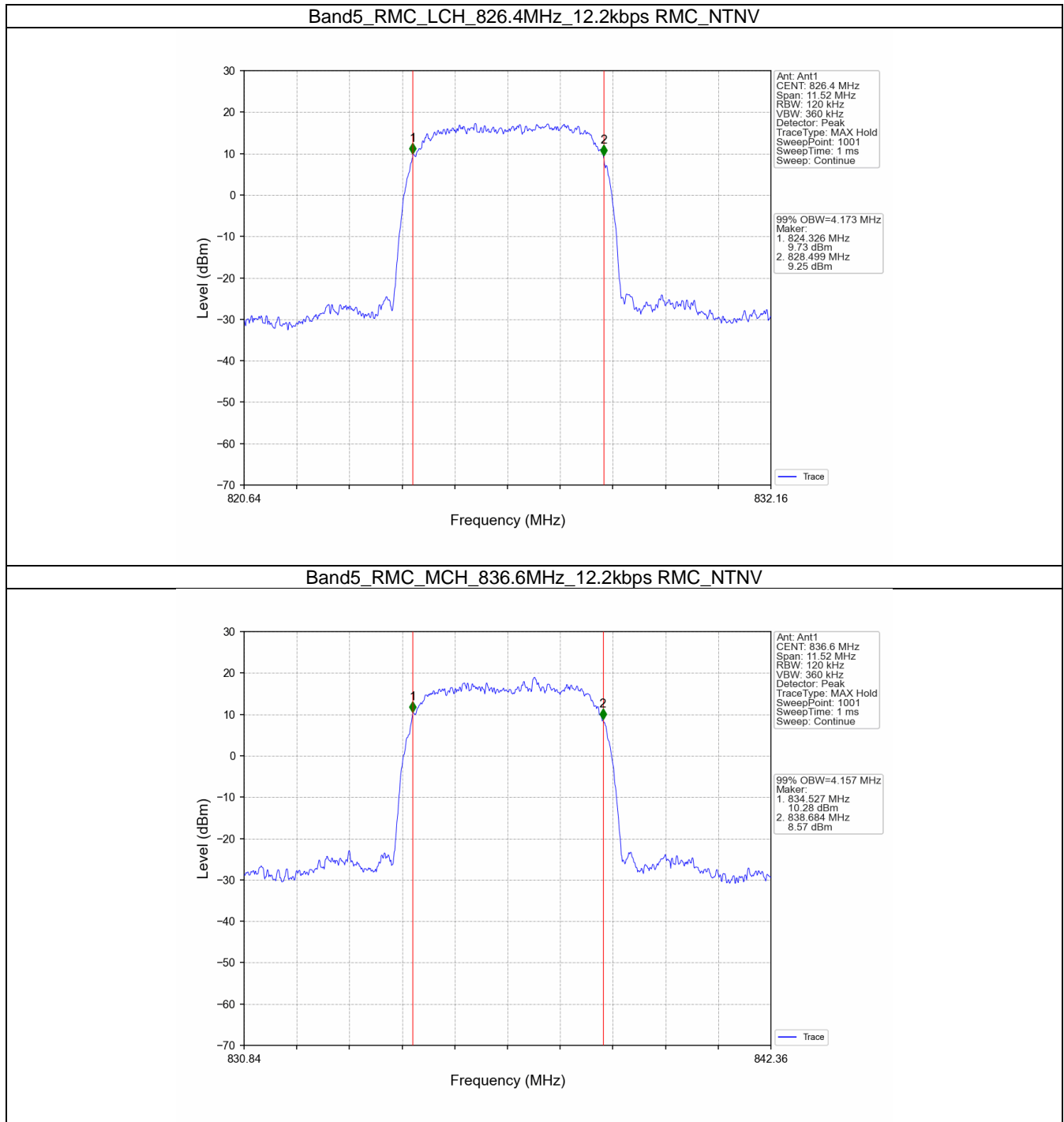
3.1 Band5_OBW

3.1.1 Test Result

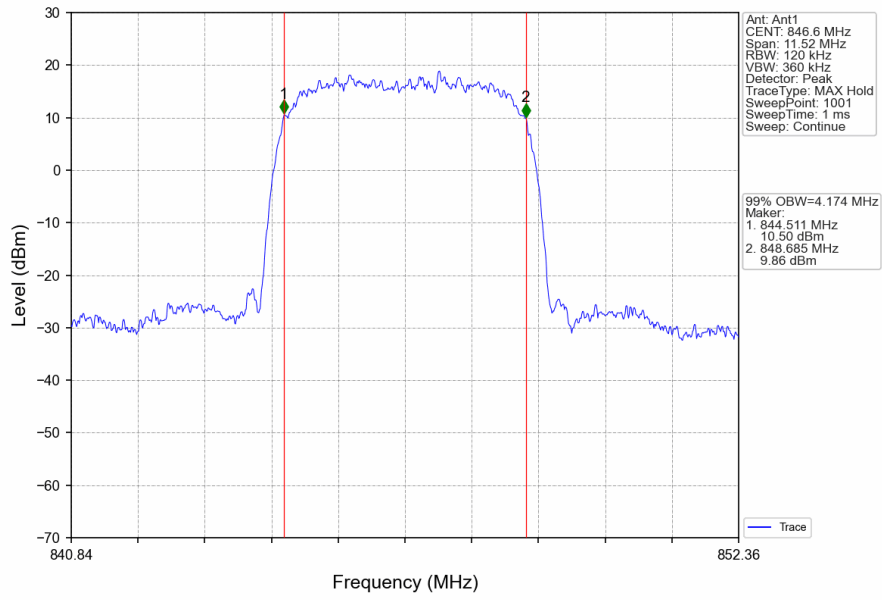
Band: 5						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.173	/	Pass
			836.6	4.157	/	Pass
			846.6	4.174	/	Pass
	HSDPA	Subtest 1	826.4	4.146	/	Pass

			836.6	4.150	/	Pass
			846.6	4.152	/	Pass
	HSUPA	Subtest 1	826.4	4.163	/	Pass
			836.6	4.184	/	Pass
			846.6	4.148	/	Pass

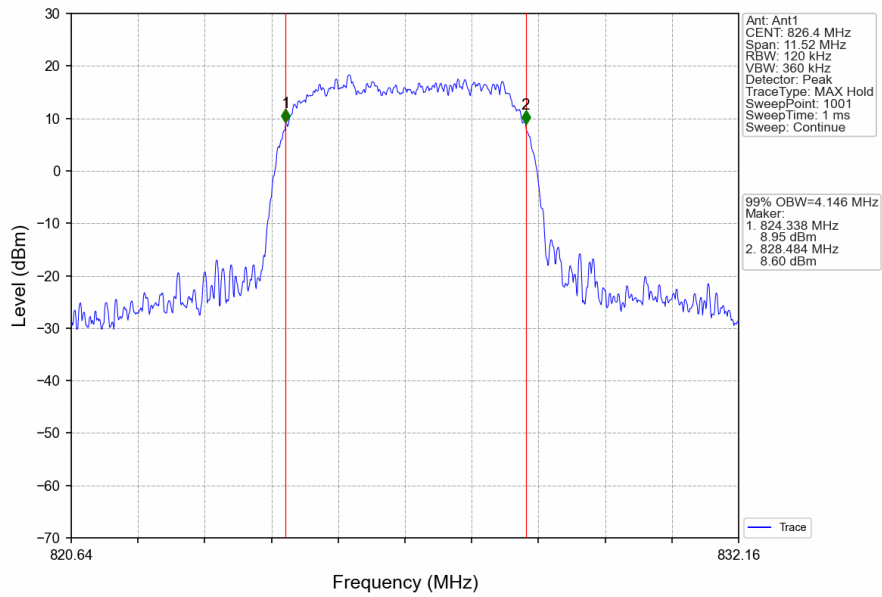
3.1.2 Test Graph



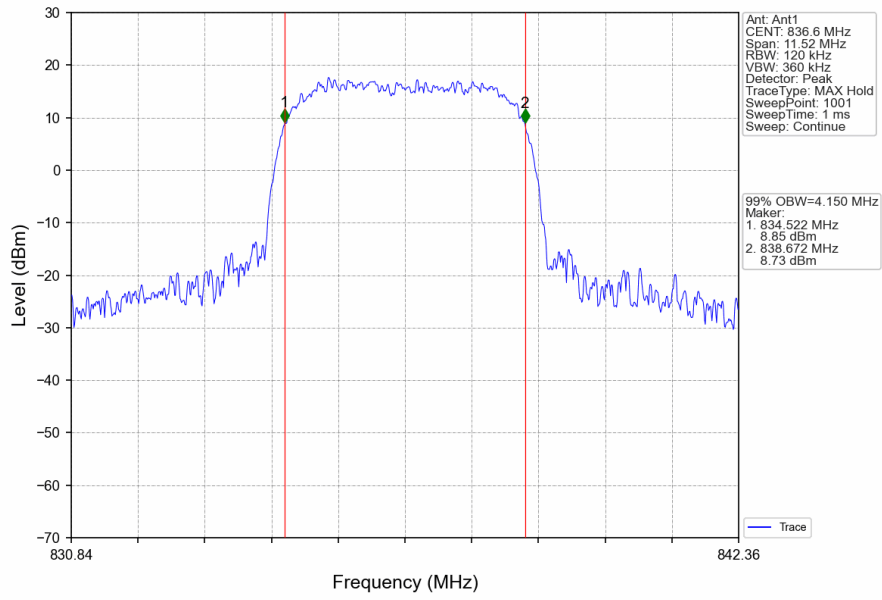
Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV



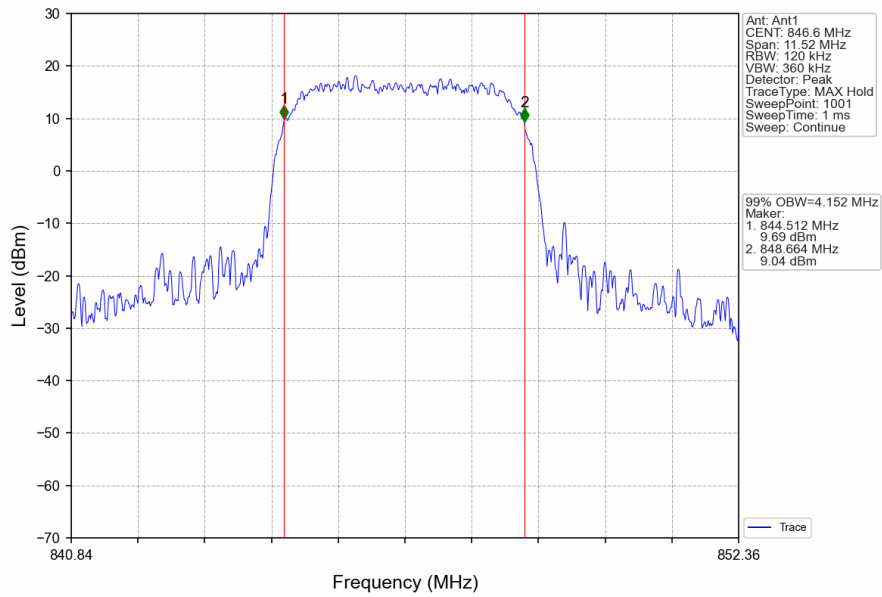
Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



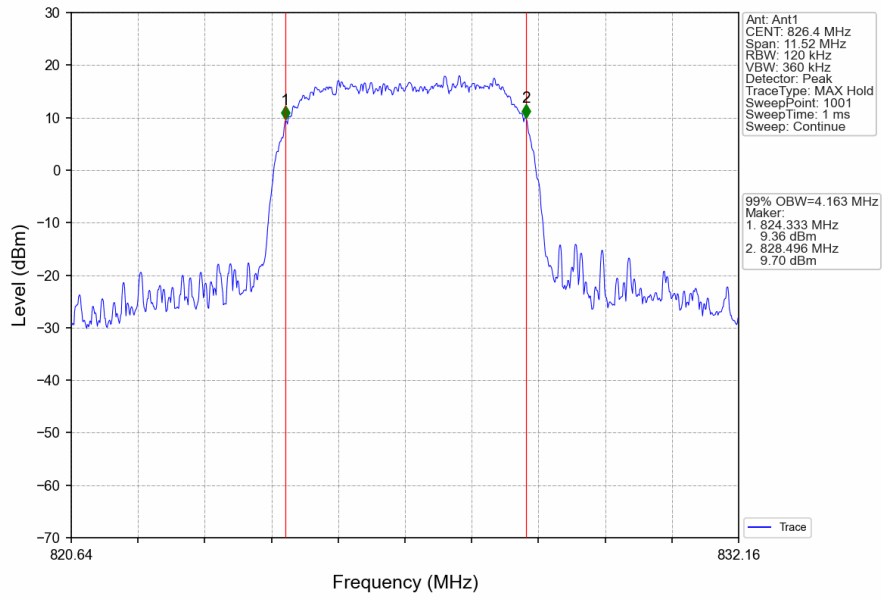
Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV



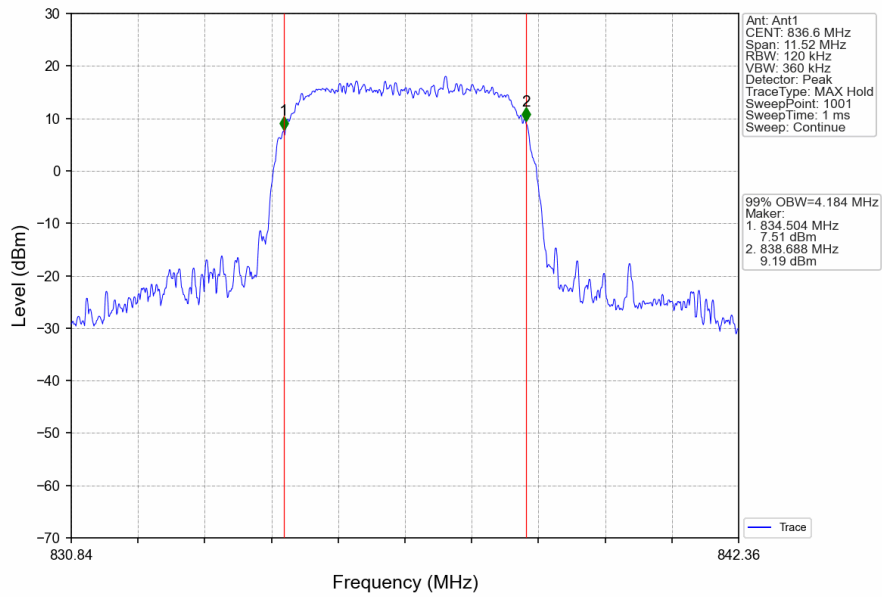
Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV



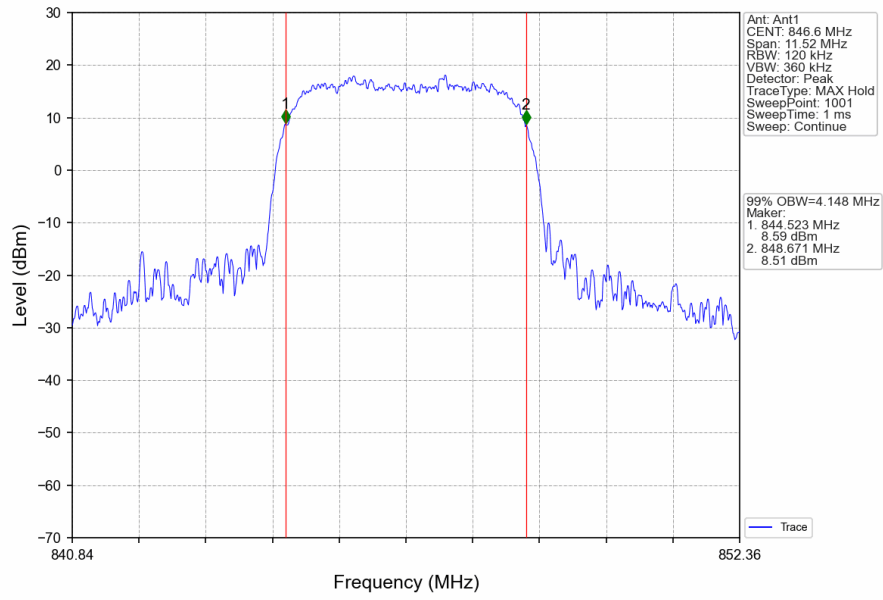
Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



Band5_HSUPA_HCH_846.6MHz_Subtest 1_NTNV

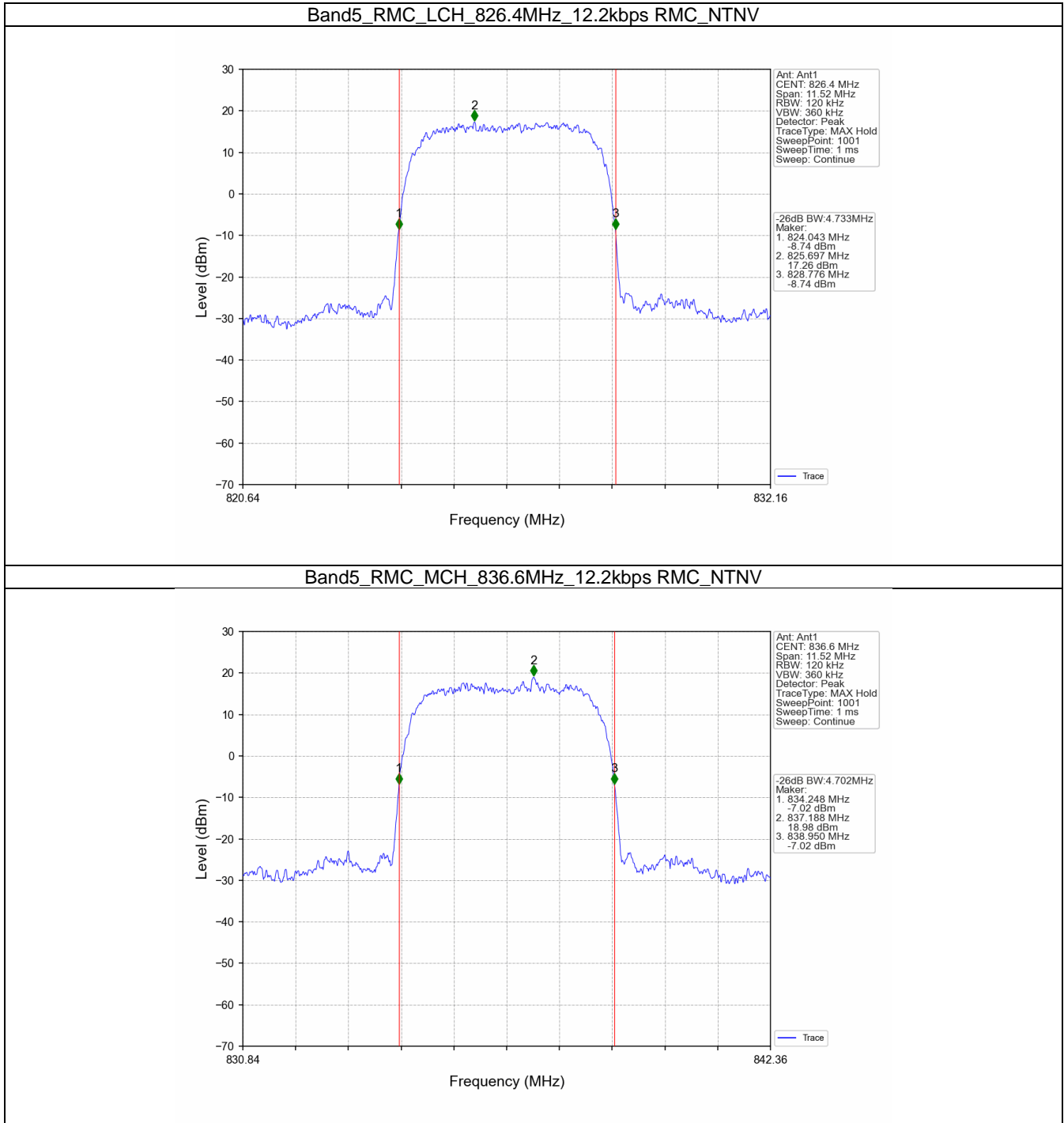


3.2 Band5_XDB

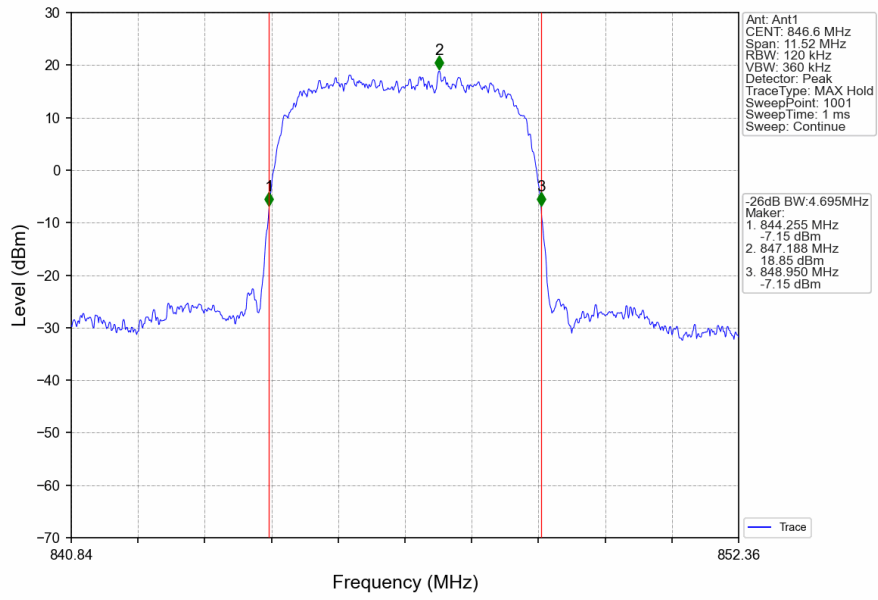
3.2.1 Test Result

Band: 5						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	4.733	/	Pass
			836.6	4.702	/	Pass
			846.6	4.695	/	Pass
	HSDPA	Subtest 1	826.4	4.728	/	Pass
			836.6	4.712	/	Pass
			846.6	4.700	/	Pass
	HSUPA	Subtest 1	826.4	4.707	/	Pass
			836.6	4.707	/	Pass
			846.6	4.706	/	Pass

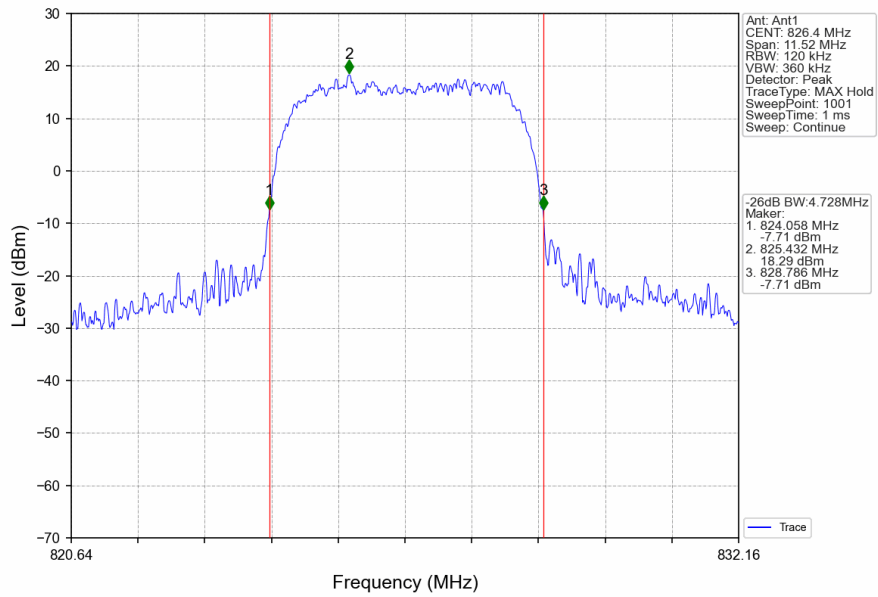
3.2.2 Test Graph



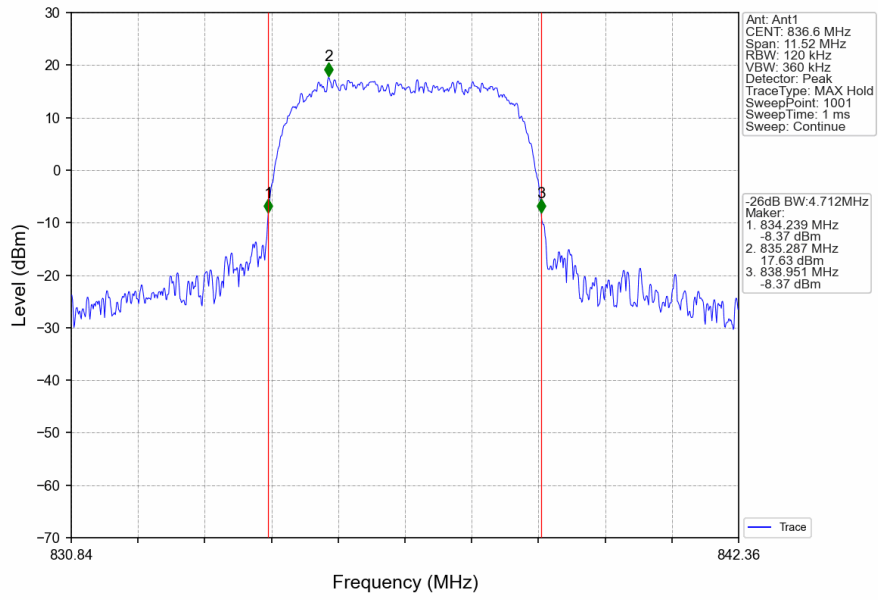
Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV



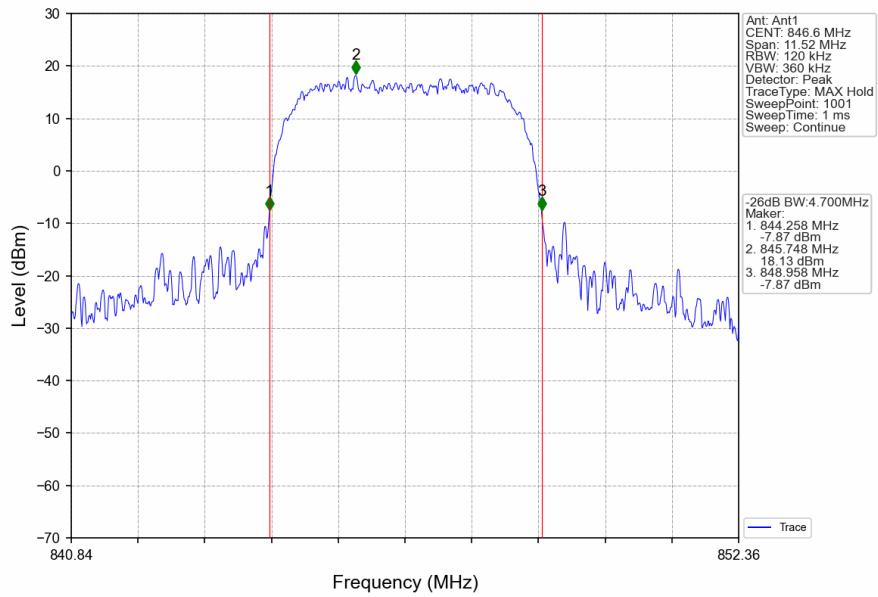
Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



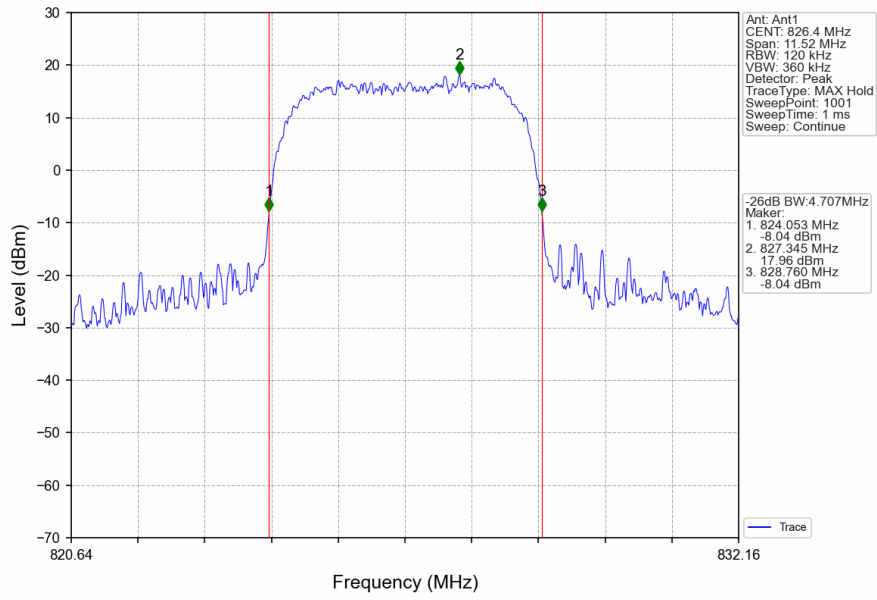
Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV



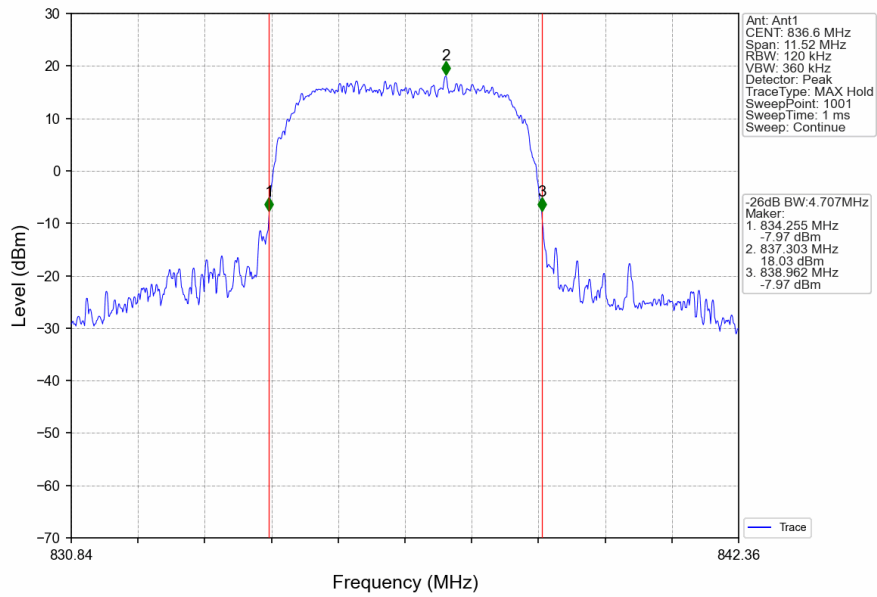
Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV



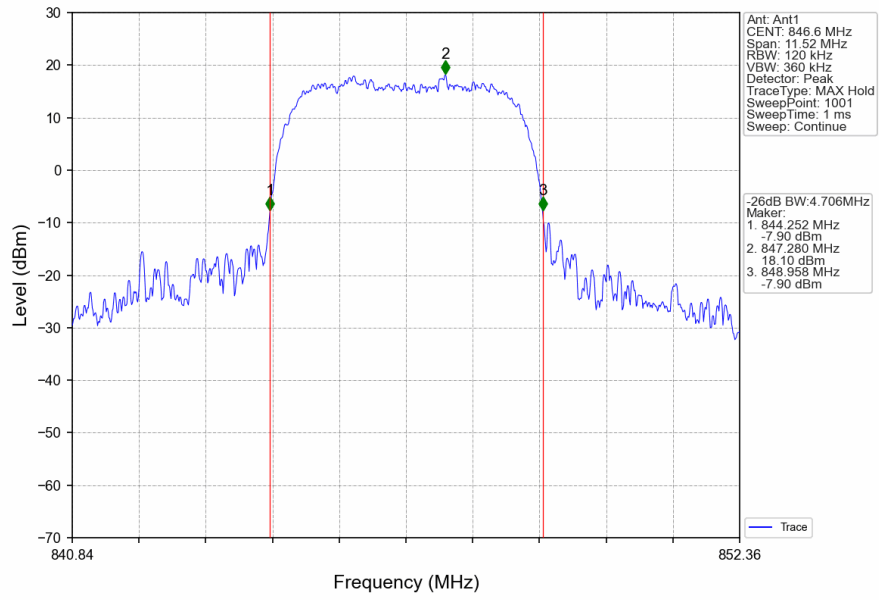
Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



Band5_HSUPA_HCH_846.6MHz_Subtest 1_NTNV



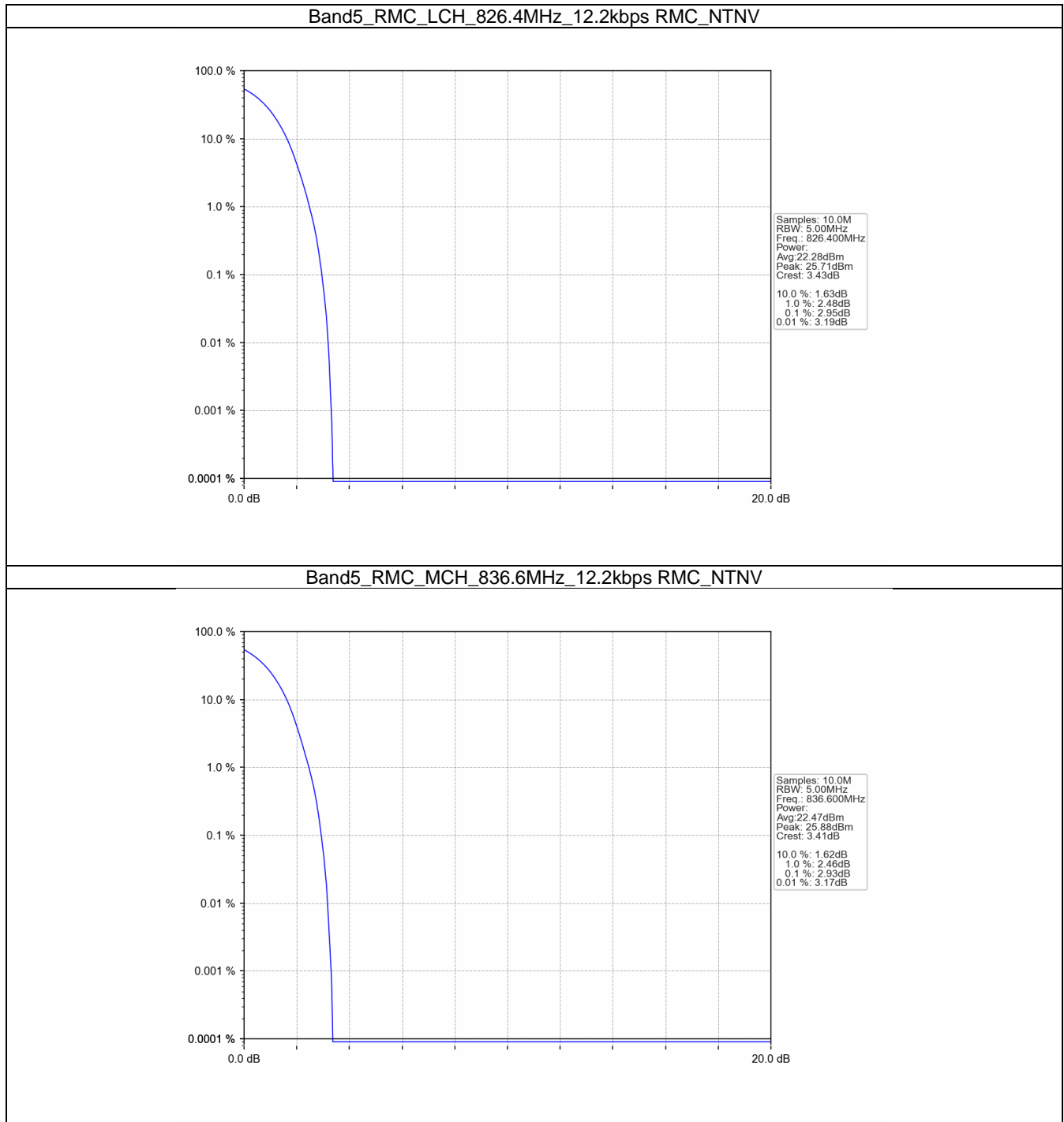
4. Peak-Average Ratio

4.1 Band5

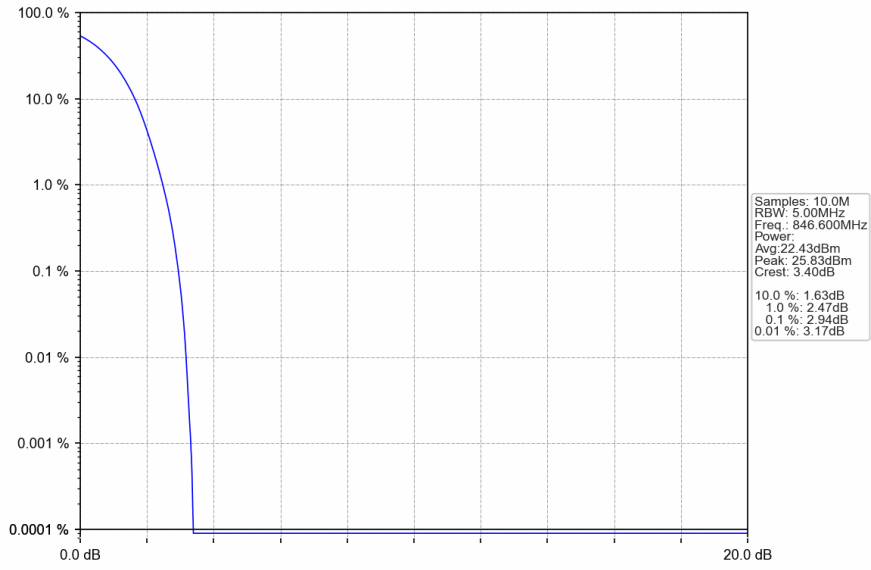
4.1.1 Test Result

Band: 5						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	826.4	2.95	<=13	Pass
			836.6	2.93	<=13	Pass
			846.6	2.94	<=13	Pass
	HSDPA	Subtest 1	826.4	5.50	<=13	Pass
			836.6	5.53	<=13	Pass
			846.6	5.52	<=13	Pass
	HSUPA	Subtest 1	826.4	5.47	<=13	Pass
			836.6	5.45	<=13	Pass
			846.6	5.54	<=13	Pass

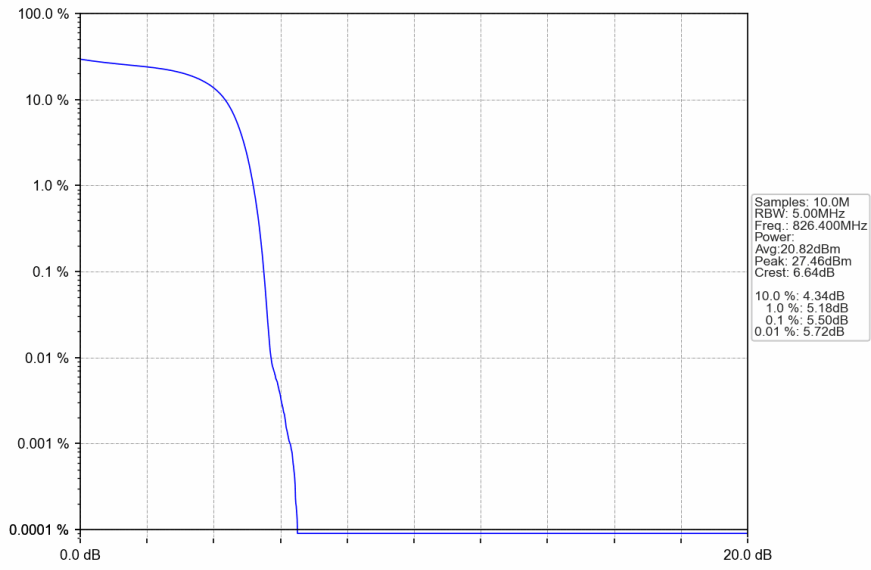
4.1.2 Test Graph



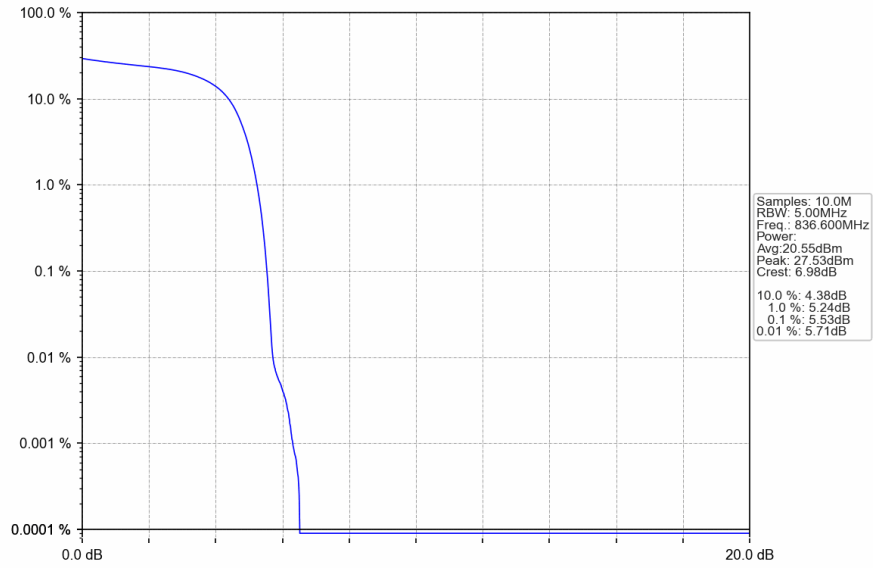
Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV



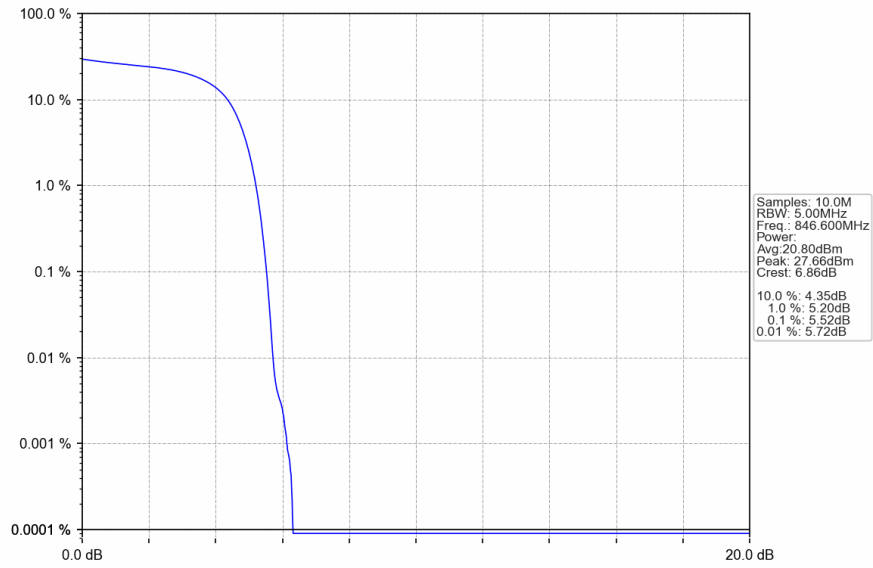
Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



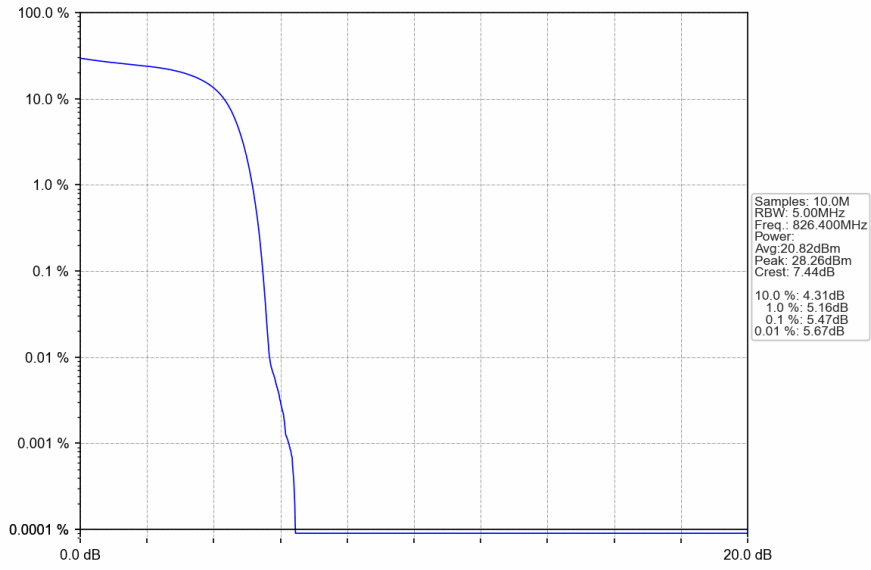
Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV



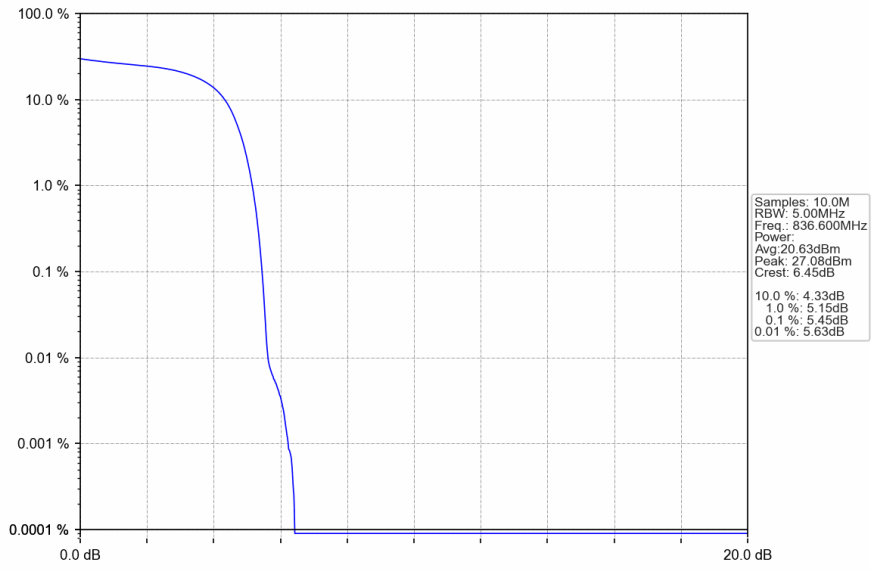
Band5_HSDPA_HCH_846.6MHz_Subtest 1_NTNV



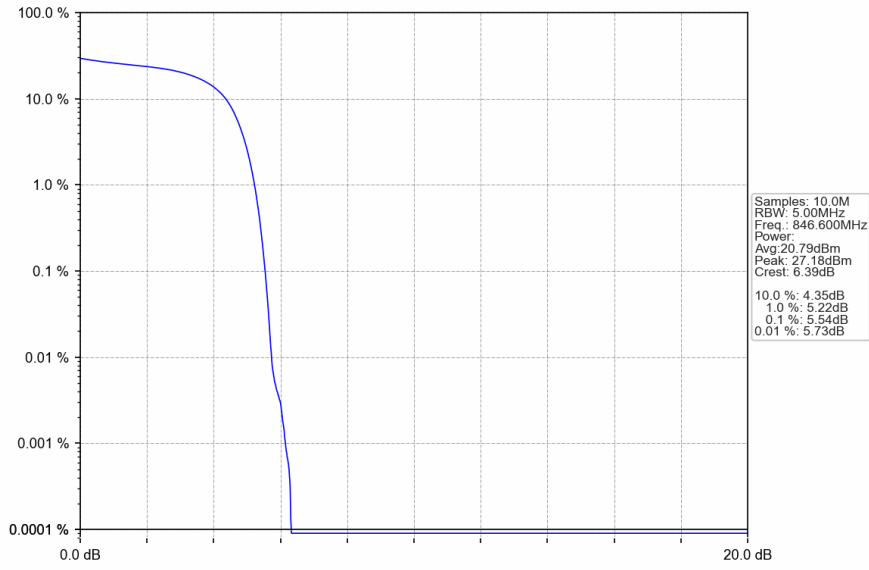
Band5_HSUPA_LCH_826.4MHz_Subtest 1_NTNV



Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



Band5_HSUPA_HCH_846.6MHz_Subtest 1_NTNV



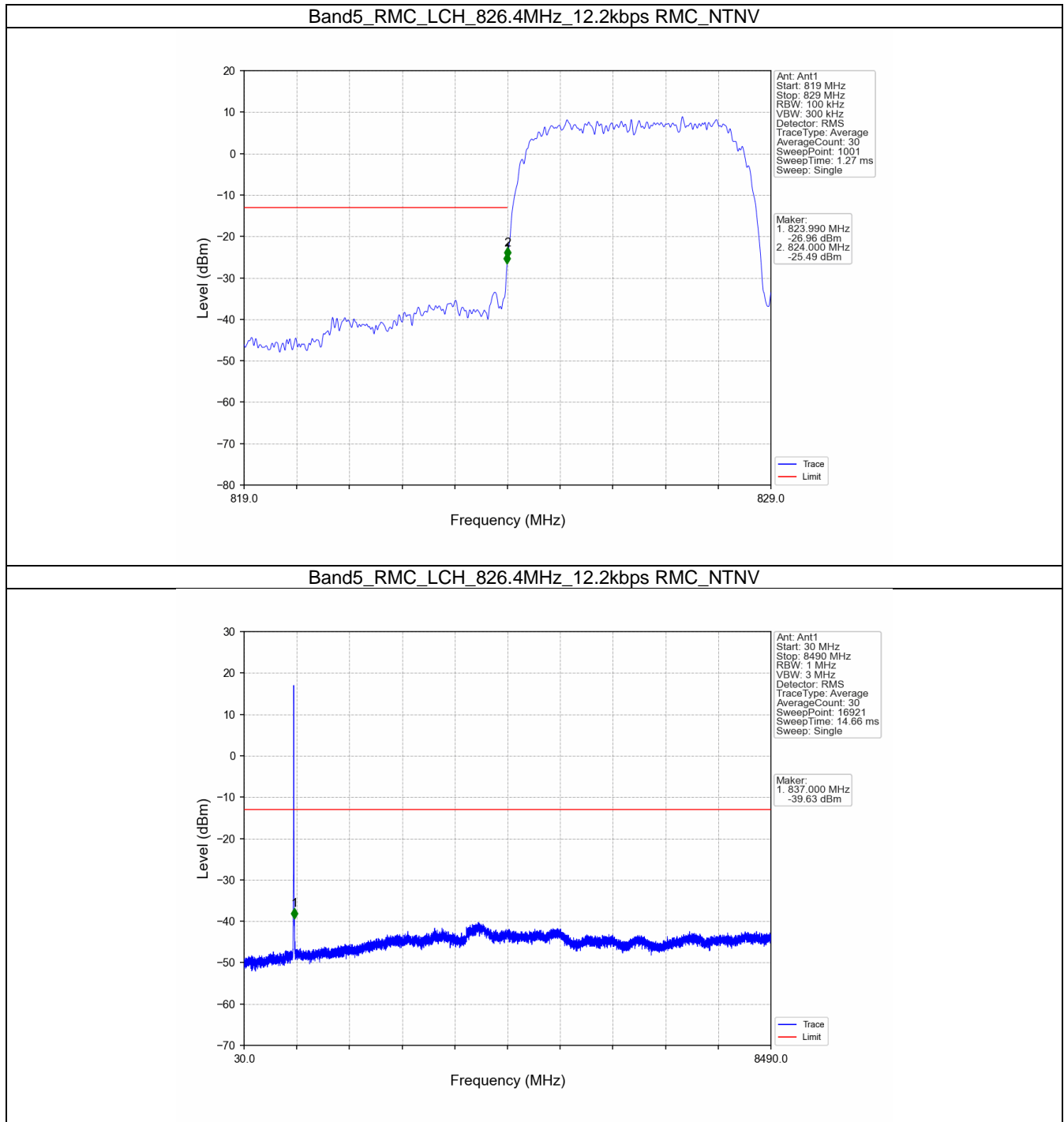
5. Spurious Emission

5.1 Band5

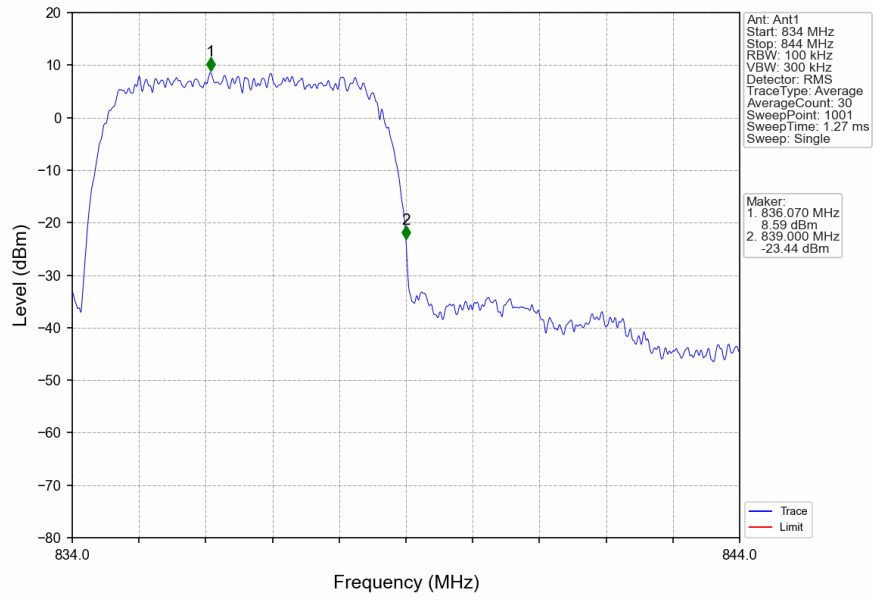
5.1.1 Test Result

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

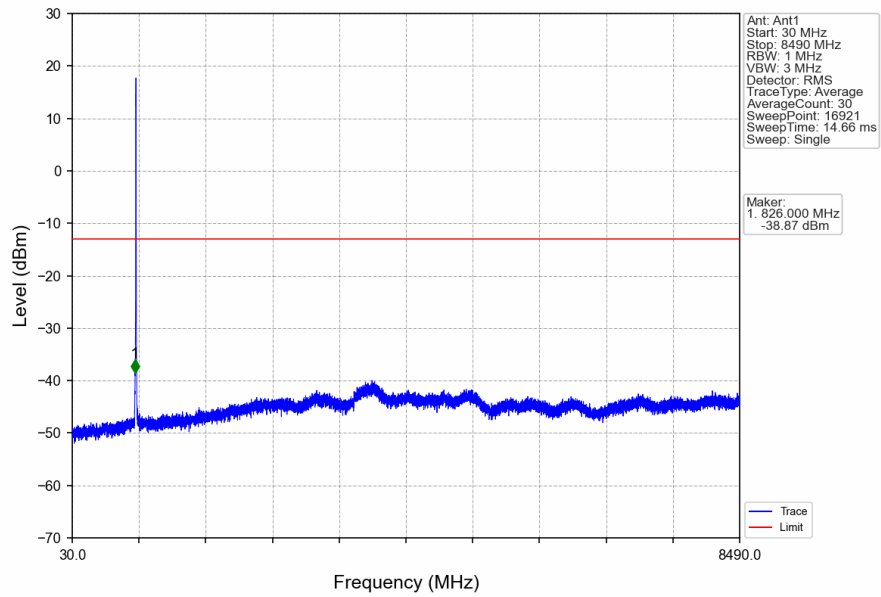
5.1.2 Test Graph



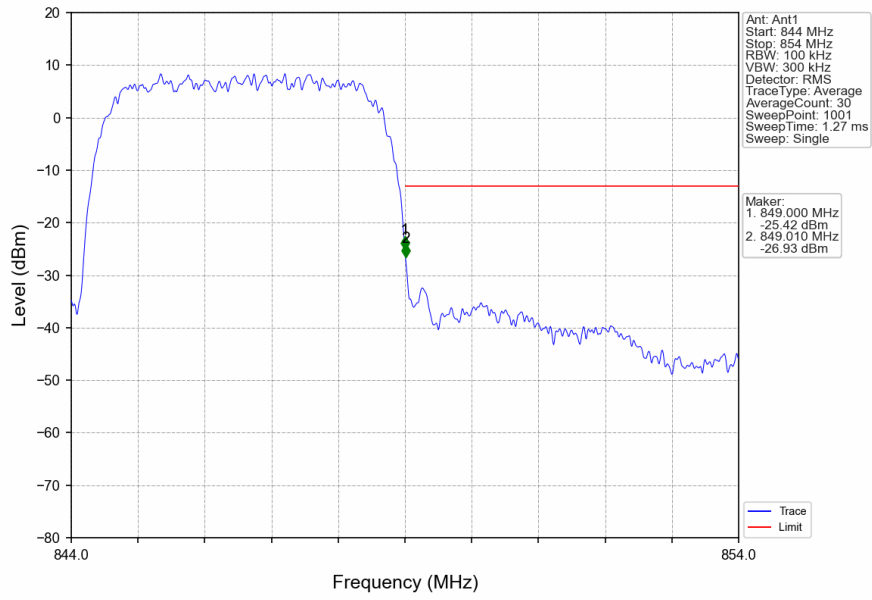
Band5_RMC_MCH_836.6MHz_12.2kbps RMC_NTNV



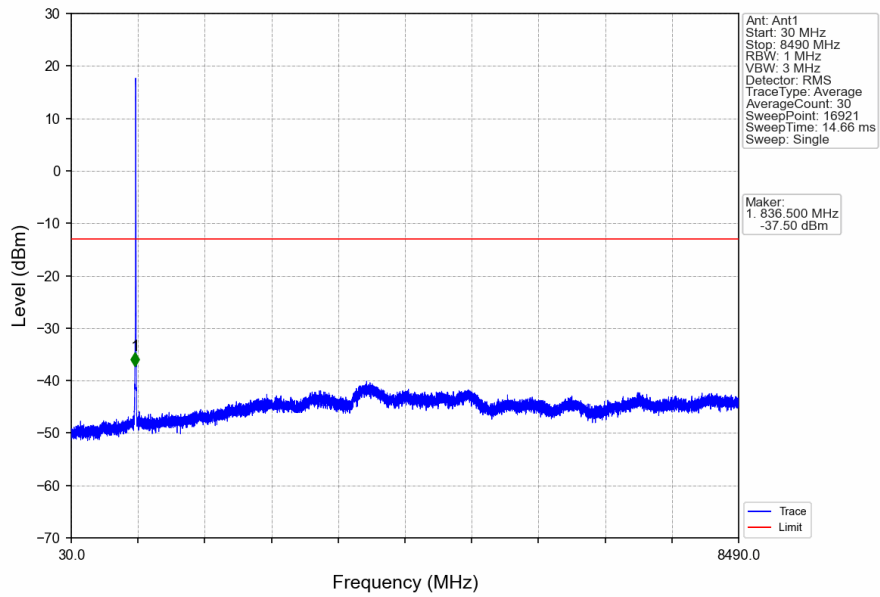
Band5_RMC_MCH_836.6MHz_12.2kbps RMC_NTNV



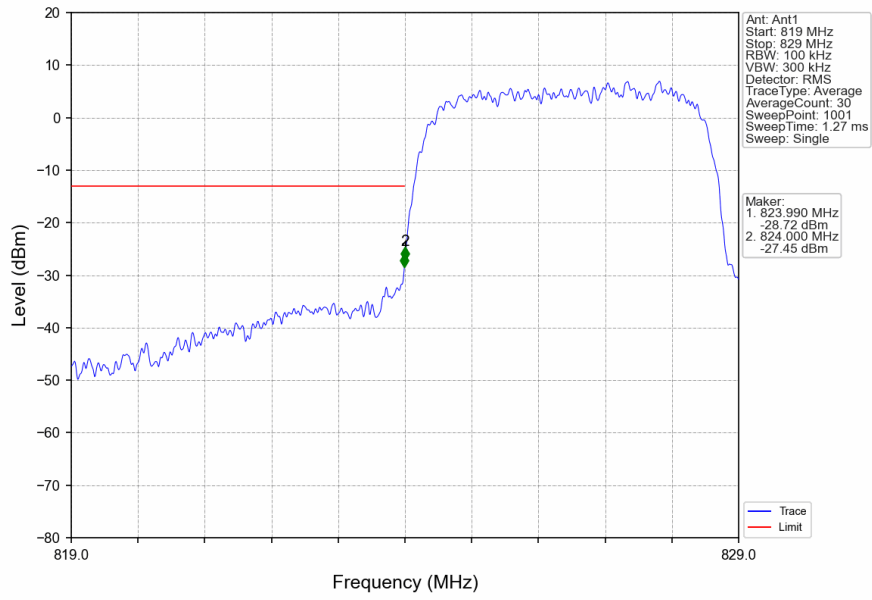
Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV



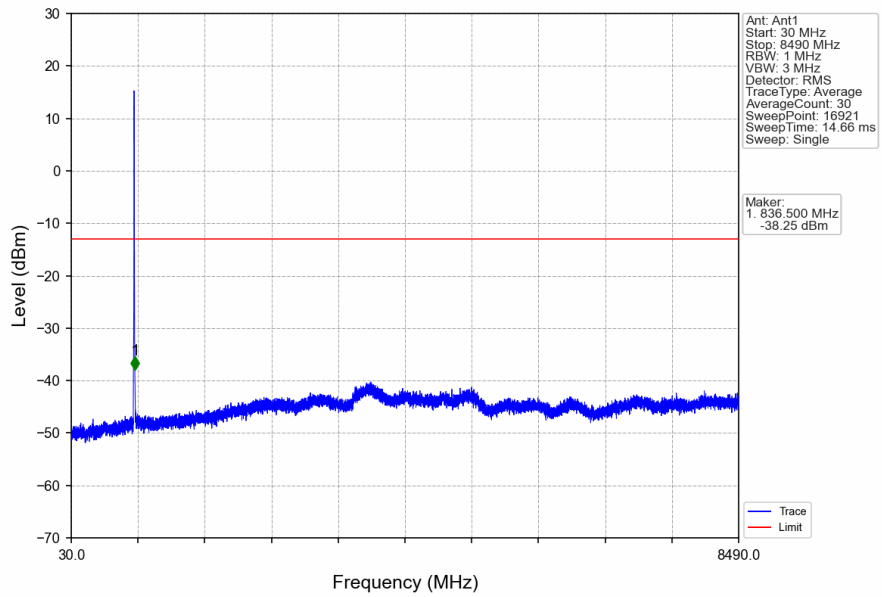
Band5_RMC_HCH_846.6MHz_12.2kbps RMC_NTNV



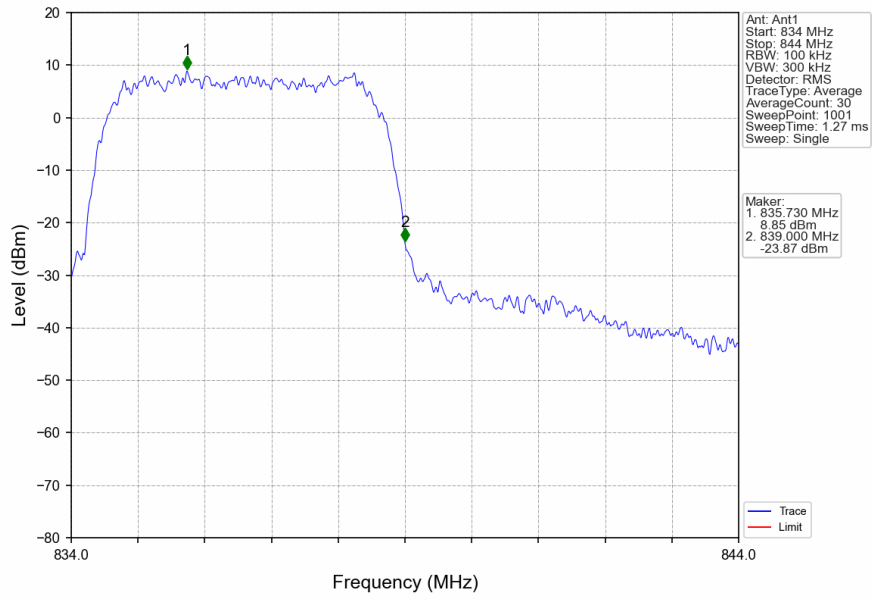
Band5_HSDPA_LCH_826.4MHz_Subtest 1_NTNV



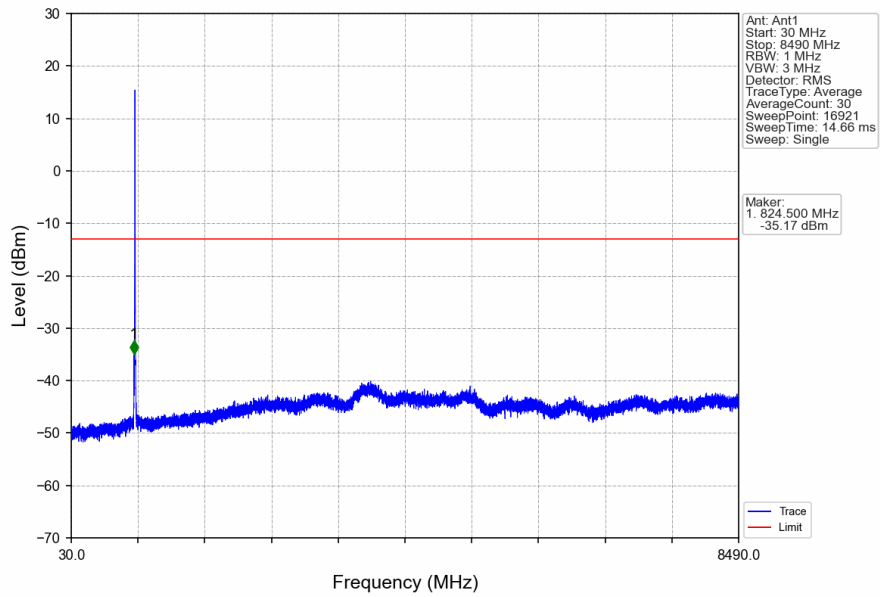
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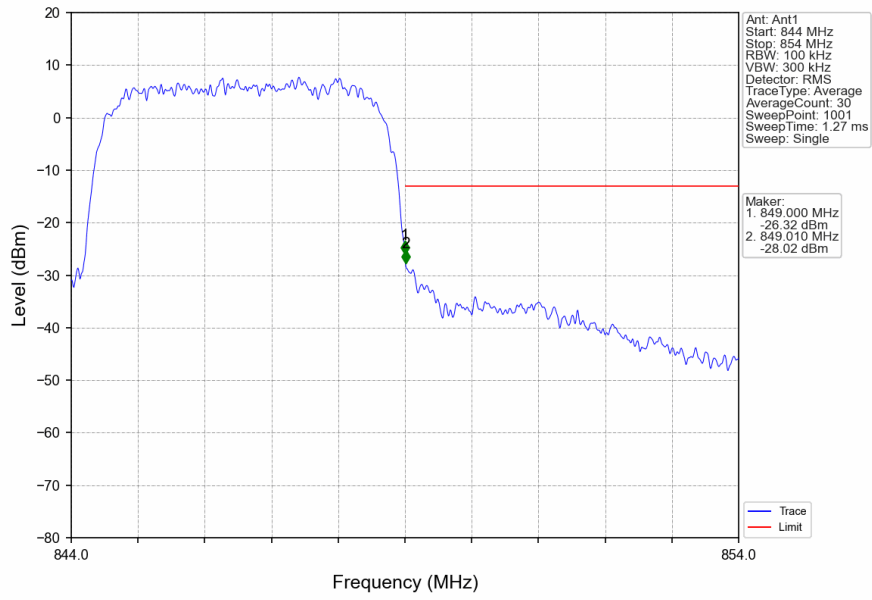
Band5_HSDPA_MCH_836.6MHz_Subtest 1_NTNV



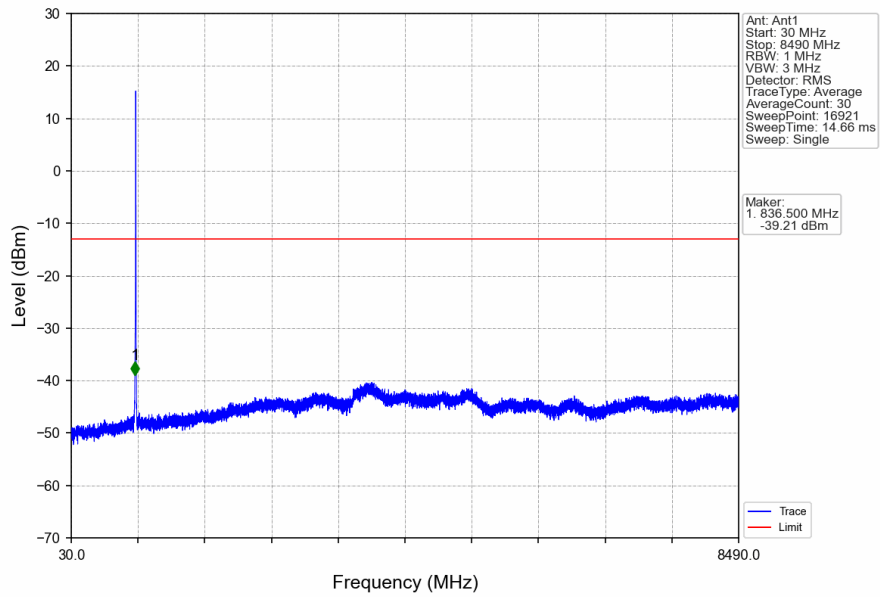
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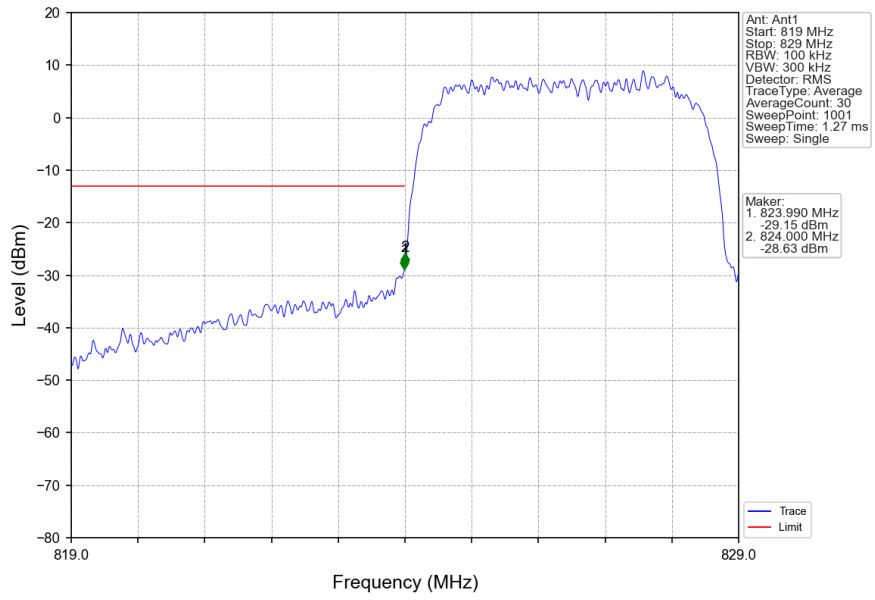
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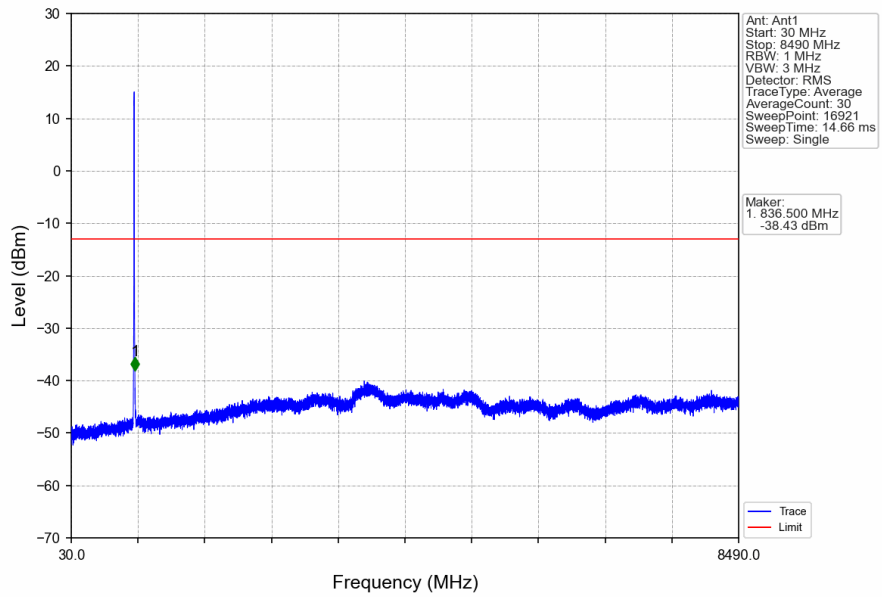
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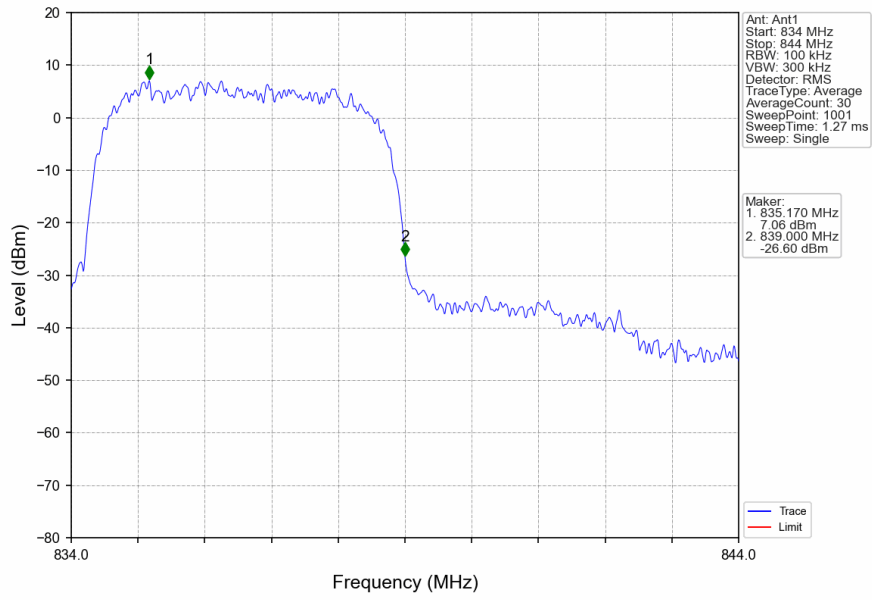
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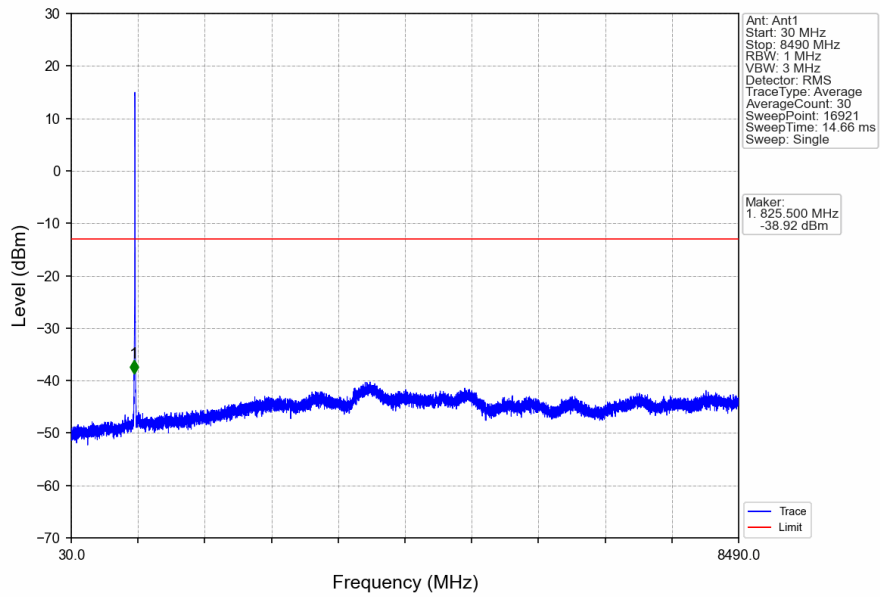
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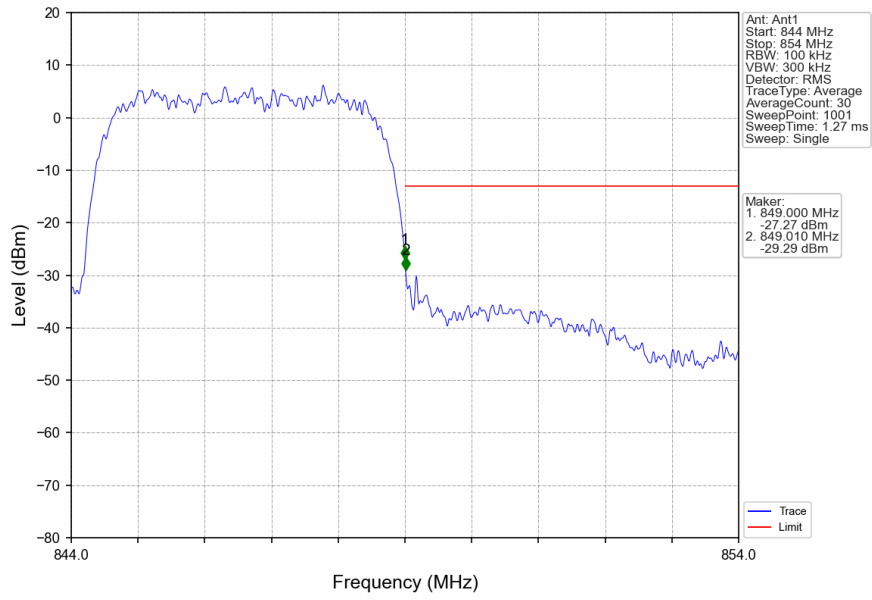
Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



Band5_HSUPA_MCH_836.6MHz_Subtest 1_NTNV



Band5_HSUPA_HCH_846.6MHz_Subtest 1_NTNV



Band5_HSUPA_HCH_846.6MHz_Subtest 1_NTNV

