

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 Band II_EIRP

Band: II								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	23.82	-1.98	21.84	<=33.01	Pass
			1880	23.71	-1.98	21.73	<=33.01	Pass
			1907.6	23.82	-1.98	21.84	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	22.11	-1.98	20.13	<=33.01	Pass
		Subtest 2	1852.4	22.12	-1.98	20.14	<=33.01	Pass
		Subtest 3	1852.4	22.02	-1.98	20.04	<=33.01	Pass
		Subtest 4	1852.4	22.01	-1.98	20.03	<=33.01	Pass
		Subtest 1	1880	21.97	-1.98	19.99	<=33.01	Pass
		Subtest 2	1880	22.00	-1.98	20.02	<=33.01	Pass
		Subtest 3	1880	21.96	-1.98	19.98	<=33.01	Pass
		Subtest 4	1880	21.92	-1.98	19.94	<=33.01	Pass
		Subtest 1	1907.6	22.06	-1.98	20.08	<=33.01	Pass
		Subtest 2	1907.6	22.07	-1.98	20.09	<=33.01	Pass
		Subtest 3	1907.6	22.03	-1.98	20.05	<=33.01	Pass
		Subtest 4	1907.6	22.03	-1.98	20.05	<=33.01	Pass
	HSUPA	Subtest 1	1852.4	19.37	-1.98	17.39	<=33.01	Pass
		Subtest 2	1852.4	19.88	-1.98	17.90	<=33.01	Pass
		Subtest 3	1852.4	21.71	-1.98	19.73	<=33.01	Pass
		Subtest 4	1852.4	20.57	-1.98	18.59	<=33.01	Pass
		Subtest 5	1852.4	18.94	-1.98	16.96	<=33.01	Pass
		Subtest 1	1880	21.10	-1.98	19.12	<=33.01	Pass
		Subtest 2	1880	19.95	-1.98	17.97	<=33.01	Pass
		Subtest 3	1880	19.84	-1.98	17.86	<=33.01	Pass
		Subtest 4	1880	18.83	-1.98	16.85	<=33.01	Pass
		Subtest 5	1880	18.80	-1.98	16.82	<=33.01	Pass
		Subtest 1	1907.6	21.06	-1.98	19.08	<=33.01	Pass
		Subtest 2	1907.6	20.10	-1.98	18.12	<=33.01	Pass
		Subtest 3	1907.6	21.73	-1.98	19.75	<=33.01	Pass
		Subtest 4	1907.6	18.93	-1.98	16.95	<=33.01	Pass
		Subtest 5	1907.6	20.64	-1.98	18.66	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 Band II

Band: II							
Network	Frequency (MHz)	Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1852.4	20	LV	-1.215	-0.0007	-2.5 to 2.5	Pass
			NV	2.578	0.0014	-2.5 to 2.5	Pass
			HV	3.649	0.0020	-2.5 to 2.5	Pass
		-30	NV	1.892	0.0010	-2.5 to 2.5	Pass
		-20	NV	1.836	0.0010	-2.5 to 2.5	Pass
		-10	NV	0.541	0.0003	-2.5 to 2.5	Pass
		0	NV	2.126	0.0011	-2.5 to 2.5	Pass
		10	NV	1.796	0.0010	-2.5 to 2.5	Pass
		30	NV	2.311	0.0012	-2.5 to 2.5	Pass
		40	NV	3.785	0.0020	-2.5 to 2.5	Pass
		50	NV	4.253	0.0023	-2.5 to 2.5	Pass
	1880	20	LV	2.976	0.0016	-2.5 to 2.5	Pass
			NV	2.258	0.0012	-2.5 to 2.5	Pass
			HV	-2.874	-0.0015	-2.5 to 2.5	Pass
		-30	NV	-3.079	-0.0016	-2.5 to 2.5	Pass
		-20	NV	-3.327	-0.0018	-2.5 to 2.5	Pass
		-10	NV	-3.344	-0.0018	-2.5 to 2.5	Pass
		0	NV	-3.271	-0.0017	-2.5 to 2.5	Pass
		10	NV	-3.402	-0.0018	-2.5 to 2.5	Pass
		30	NV	-1.495	-0.0008	-2.5 to 2.5	Pass
		40	NV	-0.306	-0.0002	-2.5 to 2.5	Pass
		50	NV	0.188	0.0001	-2.5 to 2.5	Pass
	1907.6	20	LV	-1.122	-0.0006	-2.5 to 2.5	Pass
			NV	-1.384	-0.0007	-2.5 to 2.5	Pass
			HV	-1.429	-0.0007	-2.5 to 2.5	Pass
		-30	NV	-1.194	-0.0006	-2.5 to 2.5	Pass
		-20	NV	-0.777	-0.0004	-2.5 to 2.5	Pass
		-10	NV	-0.411	-0.0002	-2.5 to 2.5	Pass
		0	NV	0.005	0.0000	-2.5 to 2.5	Pass
		10	NV	-0.652	-0.0003	-2.5 to 2.5	Pass
		30	NV	-0.817	-0.0004	-2.5 to 2.5	Pass
		40	NV	-0.745	-0.0004	-2.5 to 2.5	Pass
		50	NV	-0.160	-0.0001	-2.5 to 2.5	Pass
HSDPA	1852.4	20	LV	0.488	0.0003	-2.5 to 2.5	Pass
			NV	-0.378	-0.0002	-2.5 to 2.5	Pass
			HV	1.514	0.0008	-2.5 to 2.5	Pass
		-30	NV	-3.727	-0.0020	-2.5 to 2.5	Pass
		-20	NV	2.199	0.0012	-2.5 to 2.5	Pass
		-10	NV	1.157	0.0006	-2.5 to 2.5	Pass
		0	NV	3.439	0.0019	-2.5 to 2.5	Pass
		10	NV	1.685	0.0009	-2.5 to 2.5	Pass
		30	NV	1.455	0.0008	-2.5 to 2.5	Pass
		40	NV	-3.609	-0.0019	-2.5 to 2.5	Pass
		50	NV	-2.932	-0.0016	-2.5 to 2.5	Pass
	1880	20	LV	-3.061	-0.0016	-2.5 to 2.5	Pass
			NV	0.601	0.0003	-2.5 to 2.5	Pass
			HV	-0.430	-0.0002	-2.5 to 2.5	Pass

		-30	NV	0.290	0.0002	-2.5 to 2.5	Pass
		-20	NV	0.475	0.0003	-2.5 to 2.5	Pass
		-10	NV	1.123	0.0006	-2.5 to 2.5	Pass
		0	NV	0.735	0.0004	-2.5 to 2.5	Pass
		10	NV	0.881	0.0005	-2.5 to 2.5	Pass
		30	NV	1.301	0.0007	-2.5 to 2.5	Pass
		40	NV	1.234	0.0007	-2.5 to 2.5	Pass
		50	NV	1.684	0.0009	-2.5 to 2.5	Pass
	1907.6	20	LV	-1.672	-0.0009	-2.5 to 2.5	Pass
			NV	-1.662	-0.0009	-2.5 to 2.5	Pass
			HV	-1.147	-0.0006	-2.5 to 2.5	Pass
		-30	NV	-1.466	-0.0008	-2.5 to 2.5	Pass
		-20	NV	-1.528	-0.0008	-2.5 to 2.5	Pass
		-10	NV	-1.394	-0.0007	-2.5 to 2.5	Pass
		0	NV	-1.238	-0.0006	-2.5 to 2.5	Pass
		10	NV	-1.350	-0.0007	-2.5 to 2.5	Pass
		30	NV	-1.602	-0.0008	-2.5 to 2.5	Pass
		40	NV	-1.542	-0.0008	-2.5 to 2.5	Pass
		50	NV	-1.284	-0.0007	-2.5 to 2.5	Pass
HSUPA	1852.4	20	LV	-0.453	-0.0002	-2.5 to 2.5	Pass
			NV	0.971	0.0005	-2.5 to 2.5	Pass
			HV	2.218	0.0012	-2.5 to 2.5	Pass
		-30	NV	2.825	0.0015	-2.5 to 2.5	Pass
		-20	NV	3.322	0.0018	-2.5 to 2.5	Pass
		-10	NV	3.527	0.0019	-2.5 to 2.5	Pass
		0	NV	3.406	0.0018	-2.5 to 2.5	Pass
		10	NV	2.998	0.0016	-2.5 to 2.5	Pass
		30	NV	3.862	0.0021	-2.5 to 2.5	Pass
		40	NV	4.188	0.0023	-2.5 to 2.5	Pass
		50	NV	4.092	0.0022	-2.5 to 2.5	Pass
	1880	20	LV	2.294	0.0012	-2.5 to 2.5	Pass
			NV	2.266	0.0012	-2.5 to 2.5	Pass
			HV	2.705	0.0014	-2.5 to 2.5	Pass
		-30	NV	3.169	0.0017	-2.5 to 2.5	Pass
		-20	NV	3.102	0.0017	-2.5 to 2.5	Pass
		-10	NV	3.302	0.0018	-2.5 to 2.5	Pass
		0	NV	3.237	0.0017	-2.5 to 2.5	Pass
		10	NV	3.543	0.0019	-2.5 to 2.5	Pass
		30	NV	2.706	0.0014	-2.5 to 2.5	Pass
		40	NV	2.494	0.0013	-2.5 to 2.5	Pass
		50	NV	2.383	0.0013	-2.5 to 2.5	Pass
	1907.6	20	LV	0.084	0.0000	-2.5 to 2.5	Pass
			NV	0.977	0.0005	-2.5 to 2.5	Pass
			HV	0.390	0.0002	-2.5 to 2.5	Pass
		-30	NV	0.627	0.0003	-2.5 to 2.5	Pass
		-20	NV	1.471	0.0008	-2.5 to 2.5	Pass
		-10	NV	1.483	0.0008	-2.5 to 2.5	Pass
		0	NV	0.795	0.0004	-2.5 to 2.5	Pass
		10	NV	0.999	0.0005	-2.5 to 2.5	Pass
		30	NV	0.991	0.0005	-2.5 to 2.5	Pass
		40	NV	0.789	0.0004	-2.5 to 2.5	Pass
		50	NV	0.752	0.0004	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band II_OBW

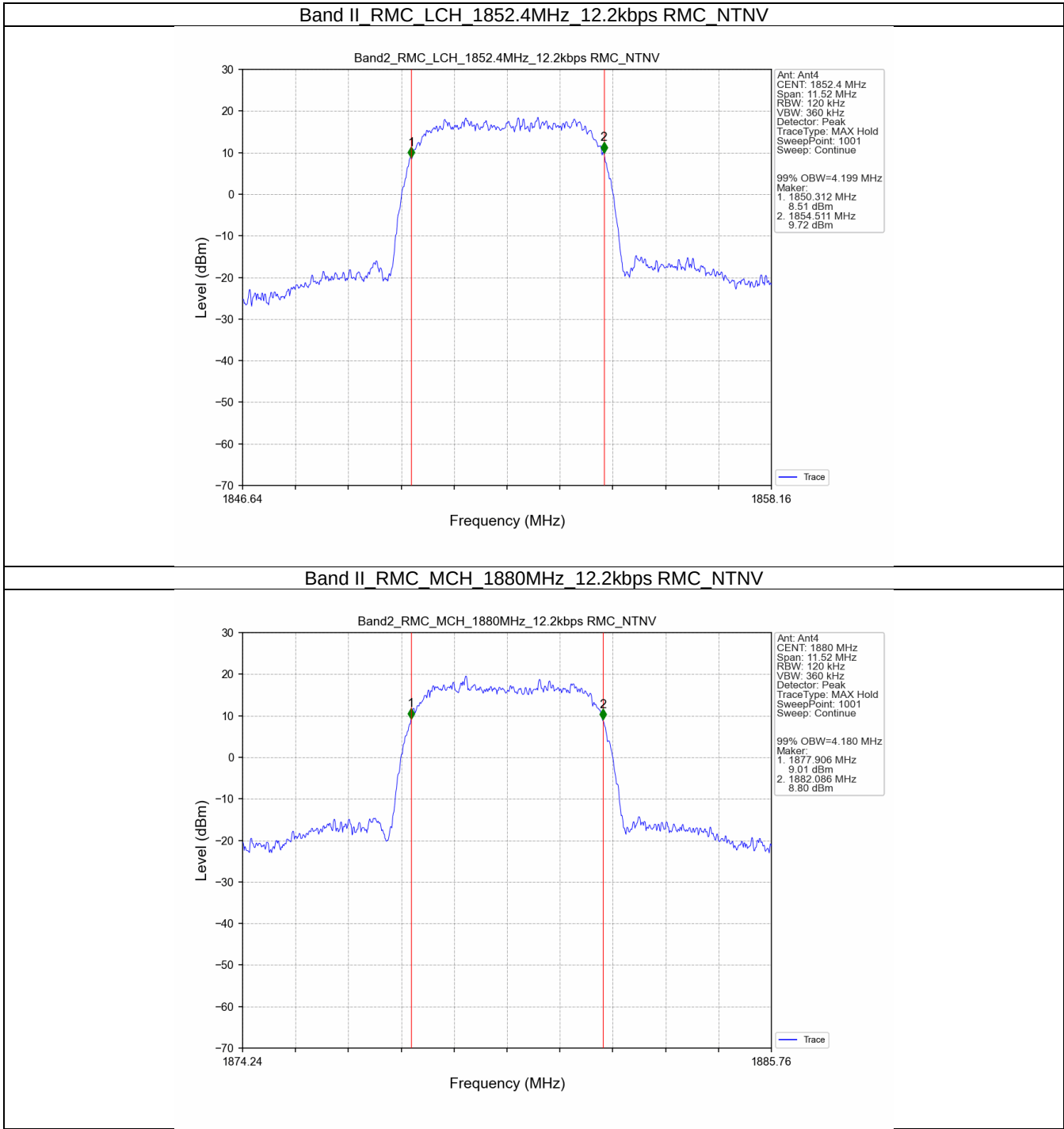
Band: II						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.199	/	Pass
			1880	4.180	/	Pass
			1907.6	4.183	/	Pass
	HSDPA	Subtest 1	1852.4	4.155	/	Pass
			1880	4.159	/	Pass
			1907.6	4.181	/	Pass
	HSUPA	Subtest 1	1852.4	4.196	/	Pass
			1880	4.172	/	Pass
			1907.6	4.207	/	Pass

3.1.2 Band II_XDB

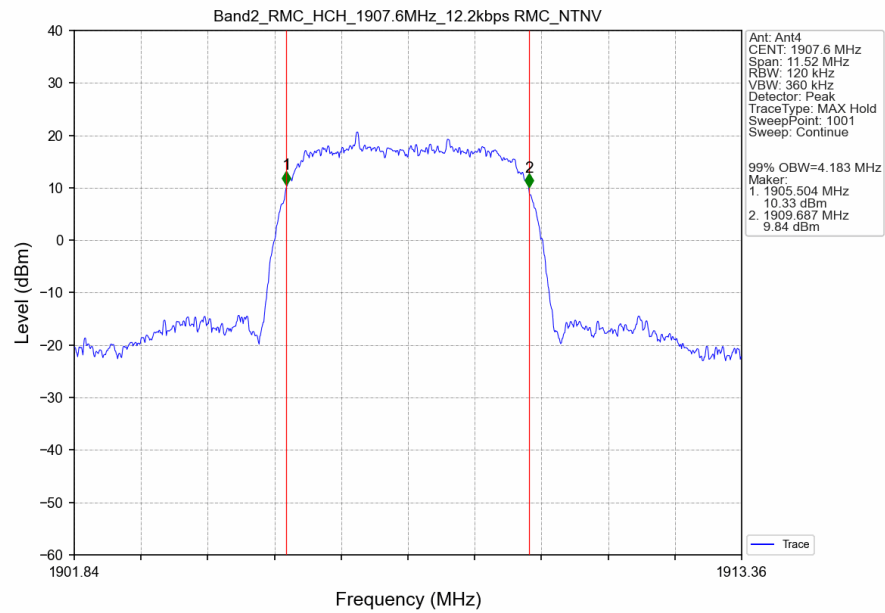
Band: II						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.805	/	Pass
			1880	4.807	/	Pass
			1907.6	4.772	/	Pass
	HSDPA	Subtest 1	1852.4	4.735	/	Pass
			1880	4.753	/	Pass
			1907.6	4.741	/	Pass
	HSUPA	Subtest 1	1852.4	4.796	/	Pass
			1880	4.782	/	Pass
			1907.6	4.784	/	Pass

3.2 Test Graph

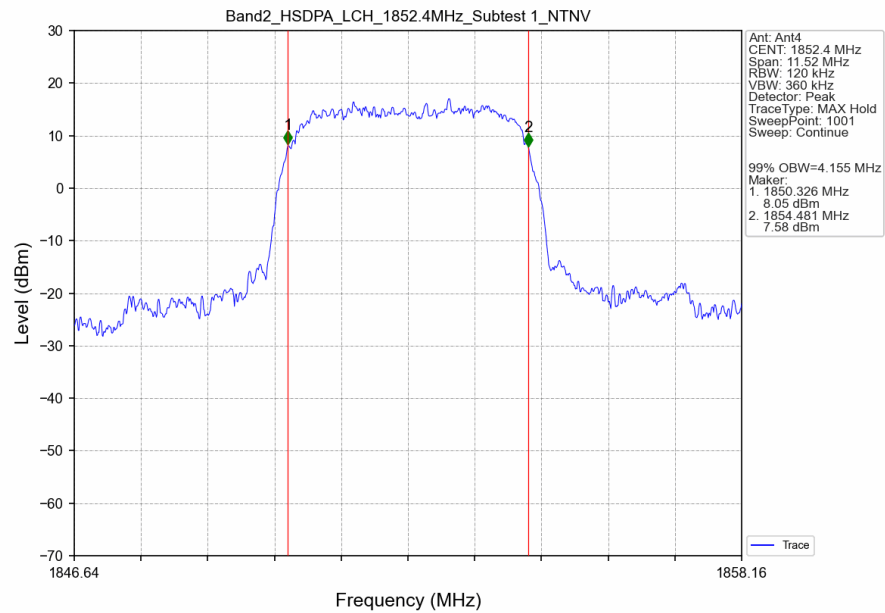
3.2.1 Band II_OBW



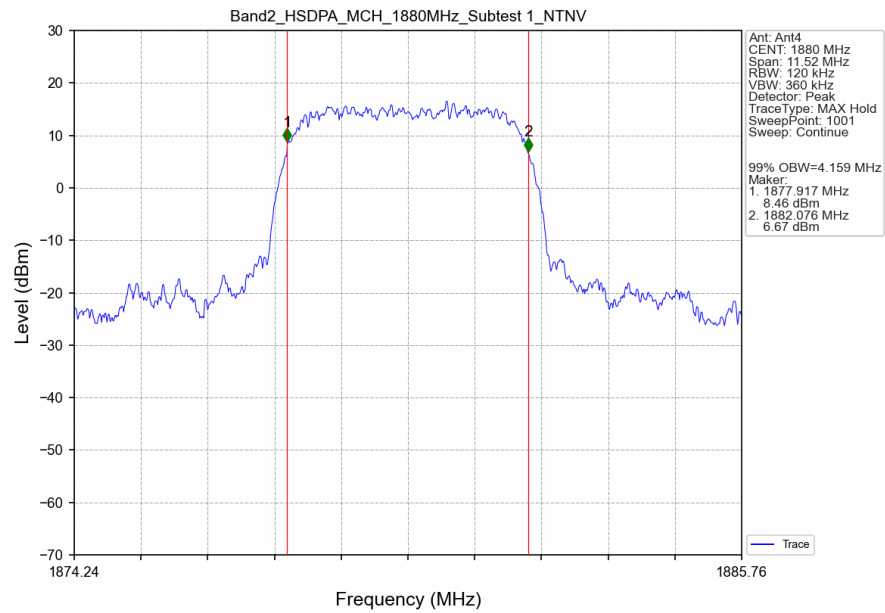
Band II RMC HCH 1907.6MHz 12.2kbps RMC NTN



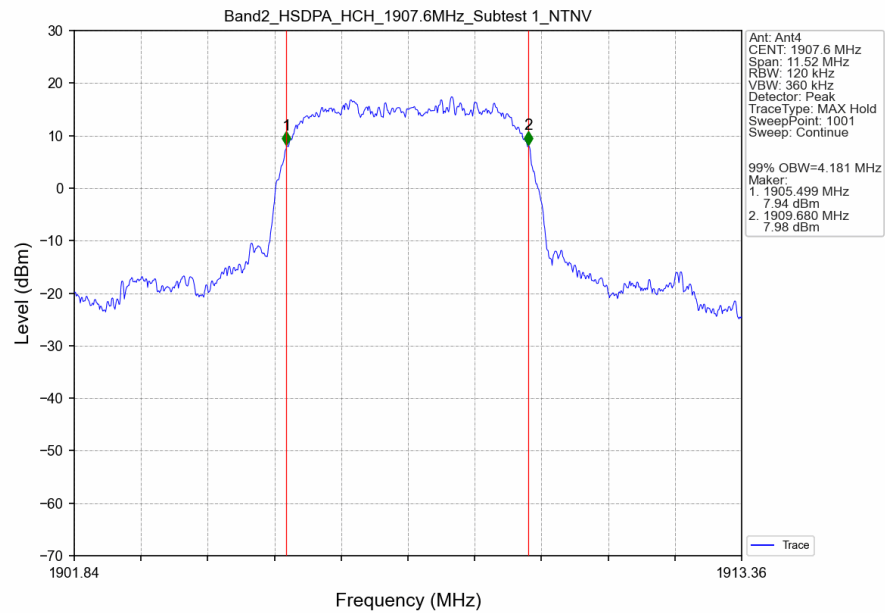
Band II HSDPA LCH 1852.4MHz Subtest 1 NTN



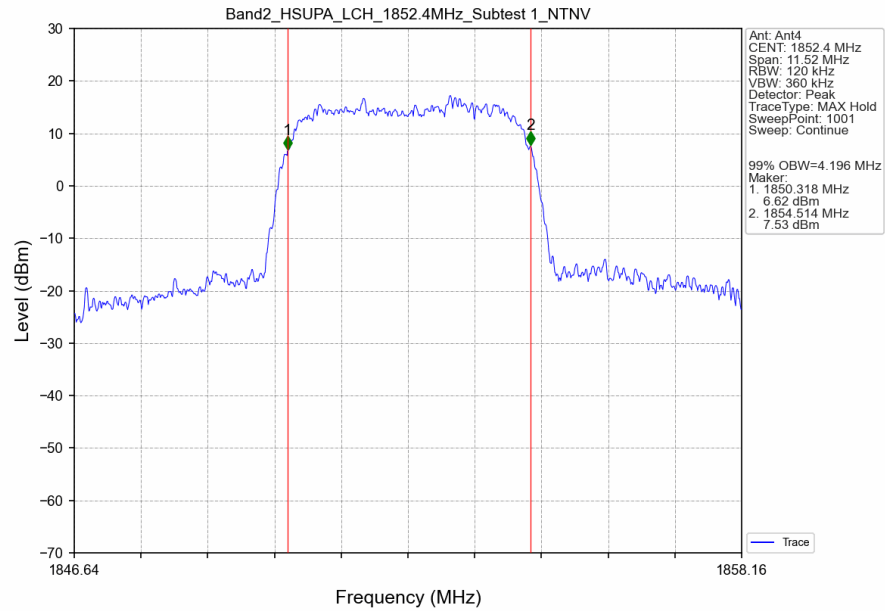
Band II HSDPA MCH 1880MHz Subtest 1_NTNV



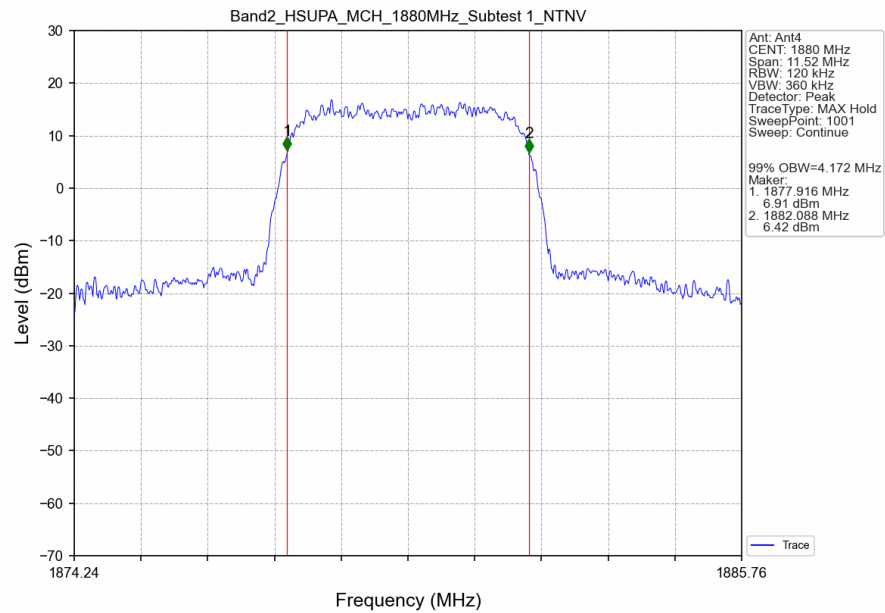
Band II HSDPA HCH 1907.6MHz Subtest 1_NTNV



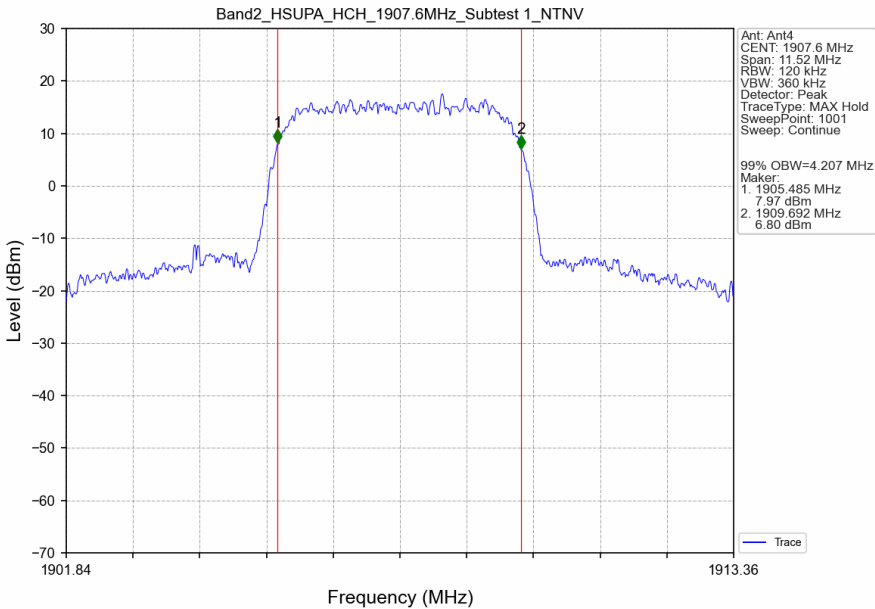
Band II HSUPA LCH 1852.4MHz Subtest 1_NTNV



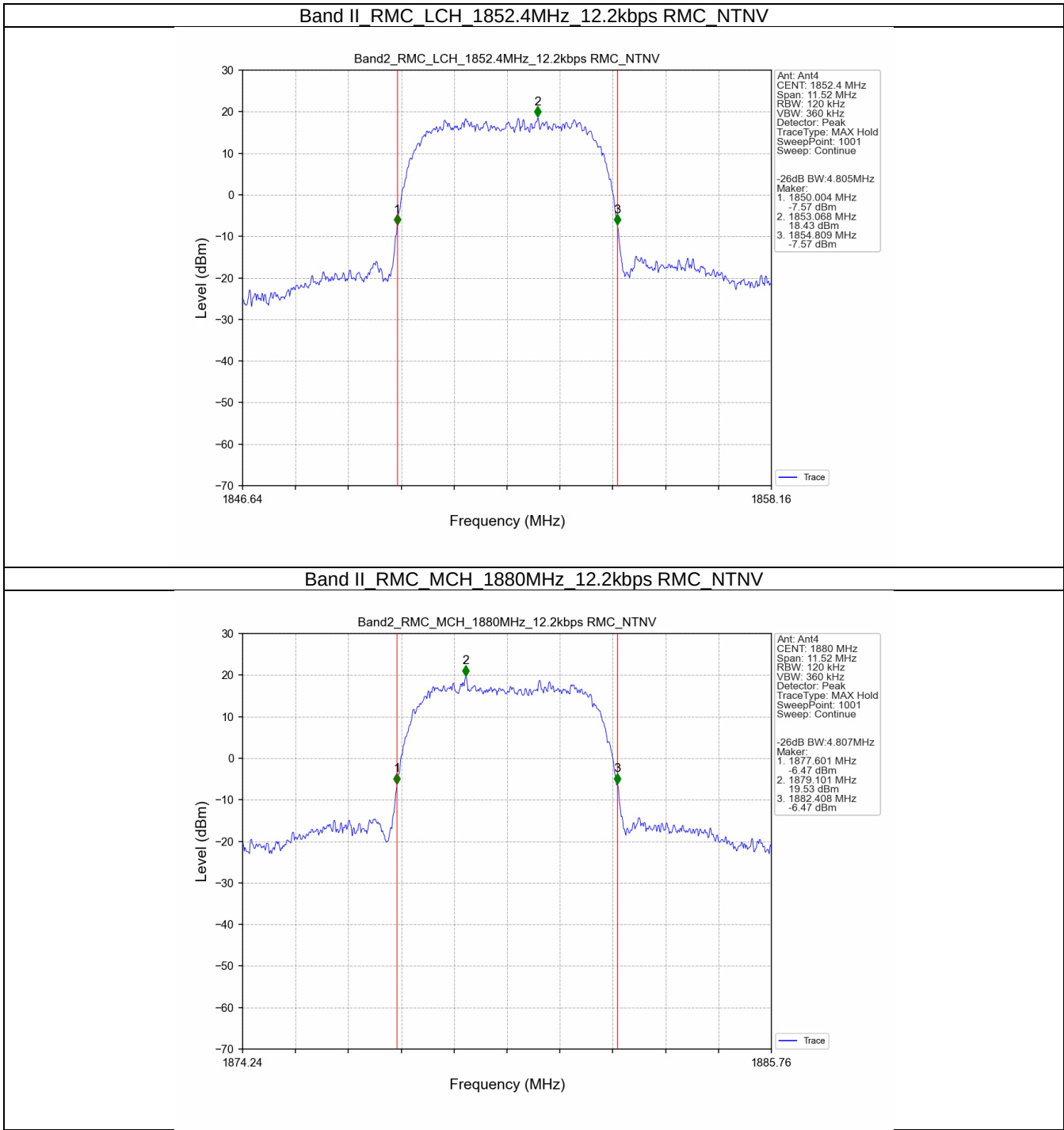
Band II HSUPA MCH 1880MHz Subtest 1_NTNV



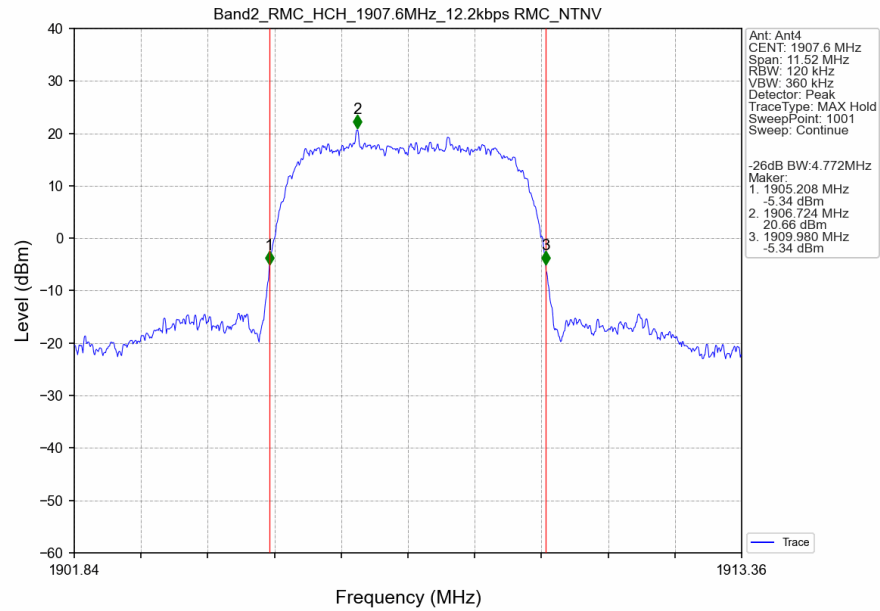
Band II HSUPA HCH 1907.6MHz Subtest 1 NTV



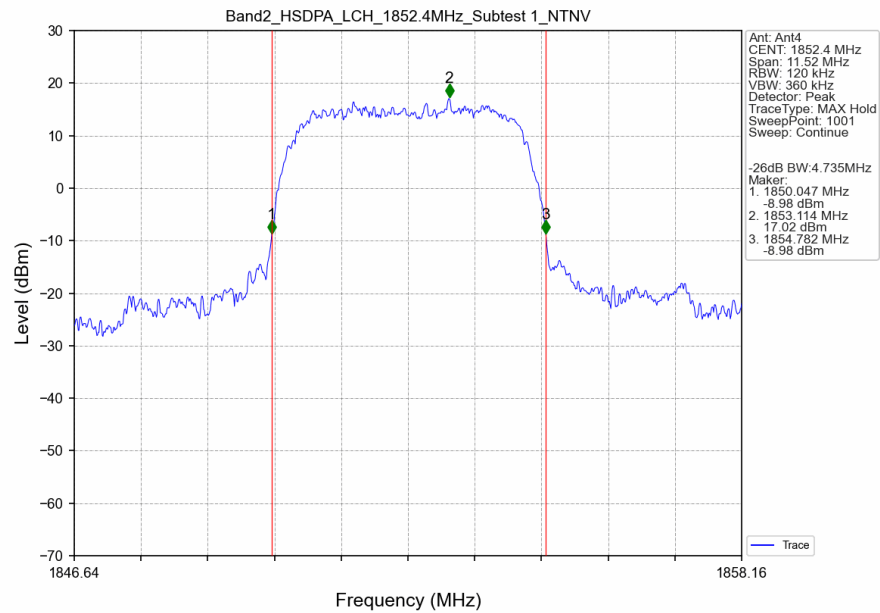
3.2.2 Band II_XDB



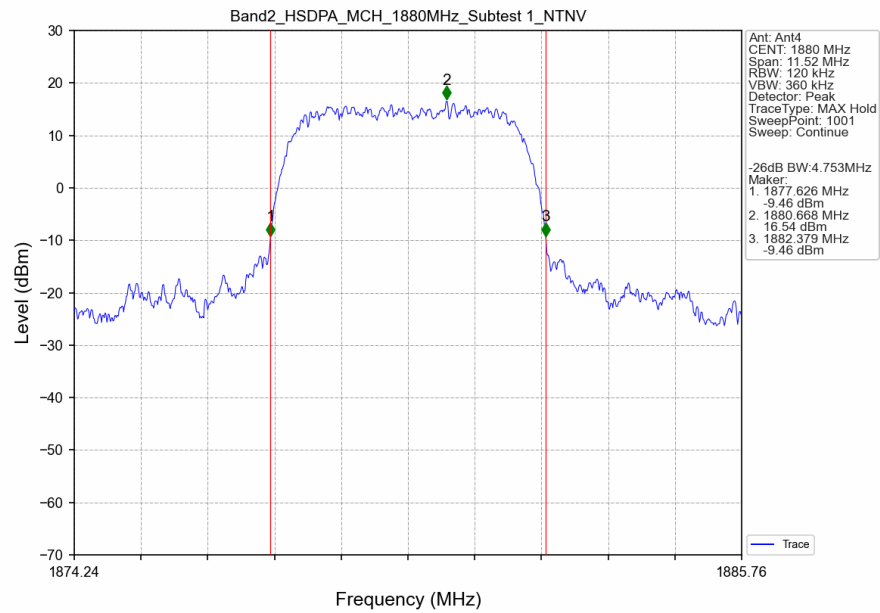
Band II RMC HCH 1907.6MHz 12.2kbps RMC NTN



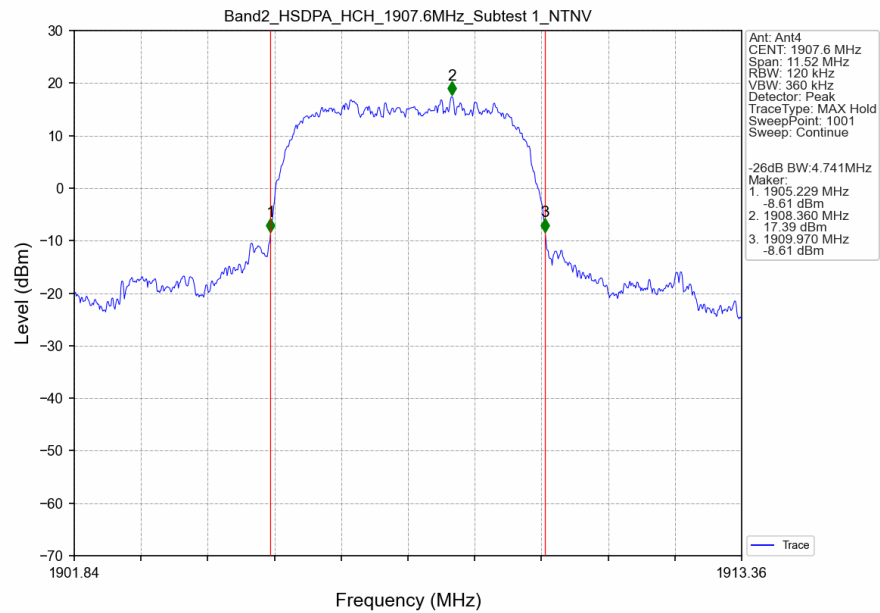
Band II HSDPA LCH 1852.4MHz Subtest 1 NTN



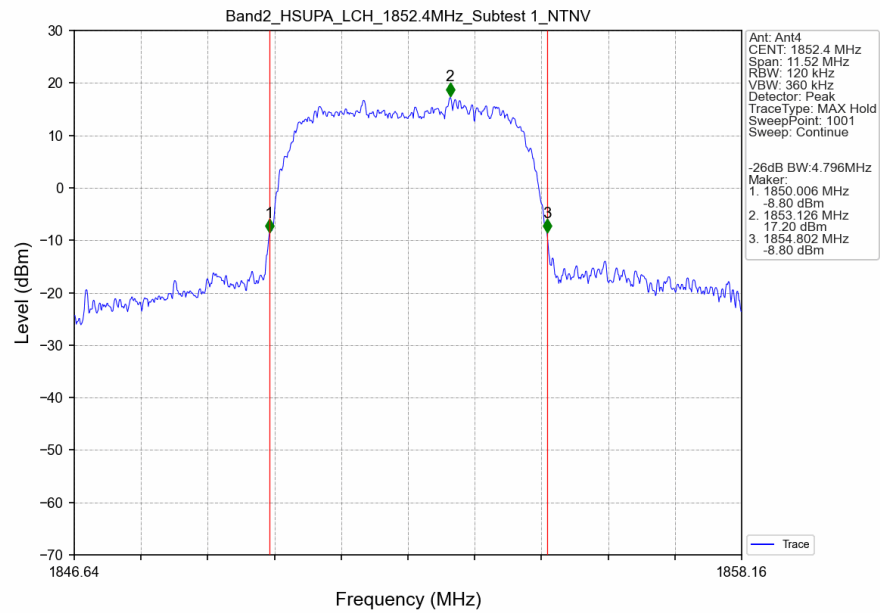
Band II HSDPA MCH 1880MHz Subtest 1 NTN



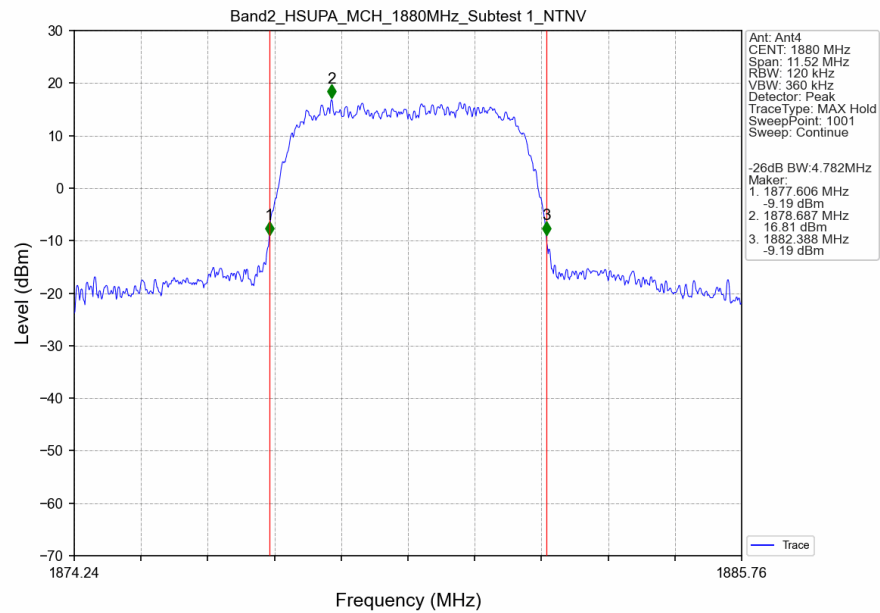
Band II HSDPA HCH 1907.6MHz Subtest 1 NTN



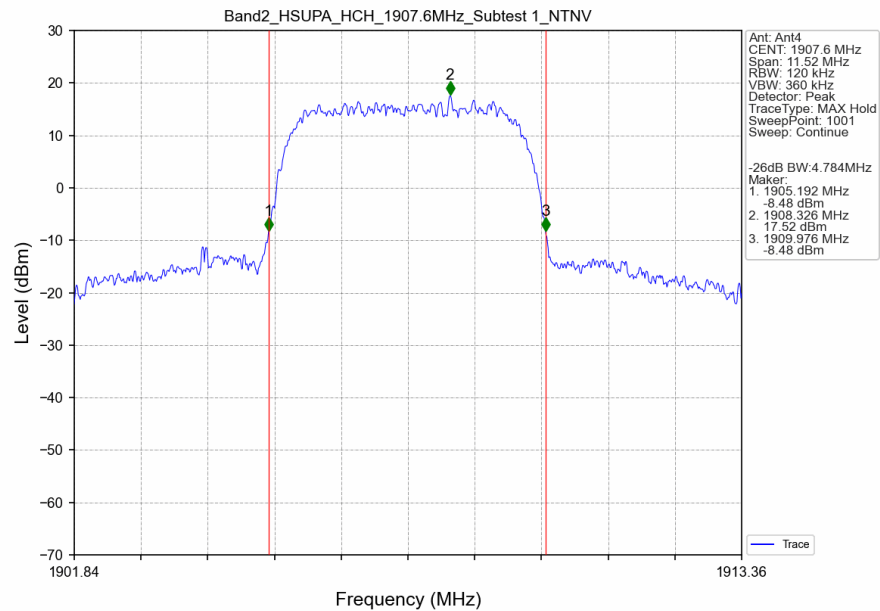
Band II HSUPA LCH 1852.4MHz Subtest 1_NTNV



Band II HSUPA MCH 1880MHz Subtest 1_NTNV



Band II HSUPA HCH 1907.6MHz Subtest 1 NTV



4. Peak-Average Ratio

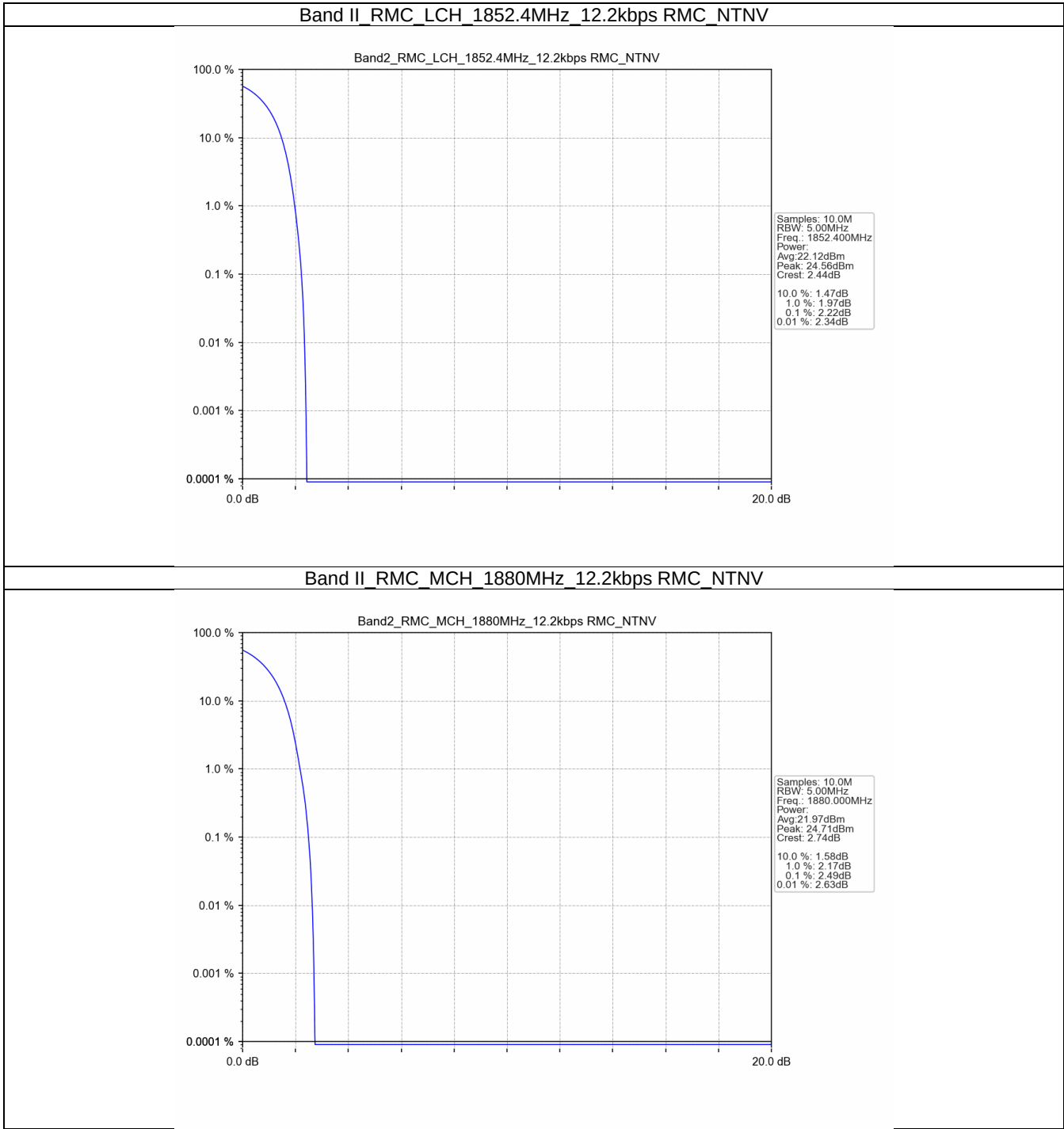
4.1 Test Result

4.1.1 Band II

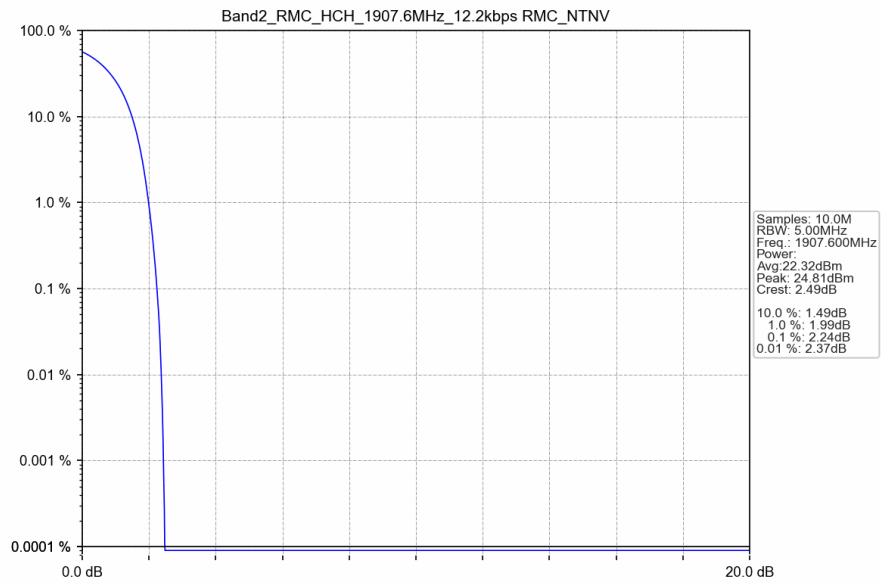
Band: II						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	2.22	<=13	Pass
			1880	2.49	<=13	Pass
			1907.6	2.24	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.49	<=13	Pass
			1880	5.47	<=13	Pass
			1907.6	5.38	<=13	Pass
	HSUPA	Subtest 1	1852.4	5.95	<=13	Pass
			1880	5.88	<=13	Pass
			1907.6	5.80	<=13	Pass

4.2 Test Graph

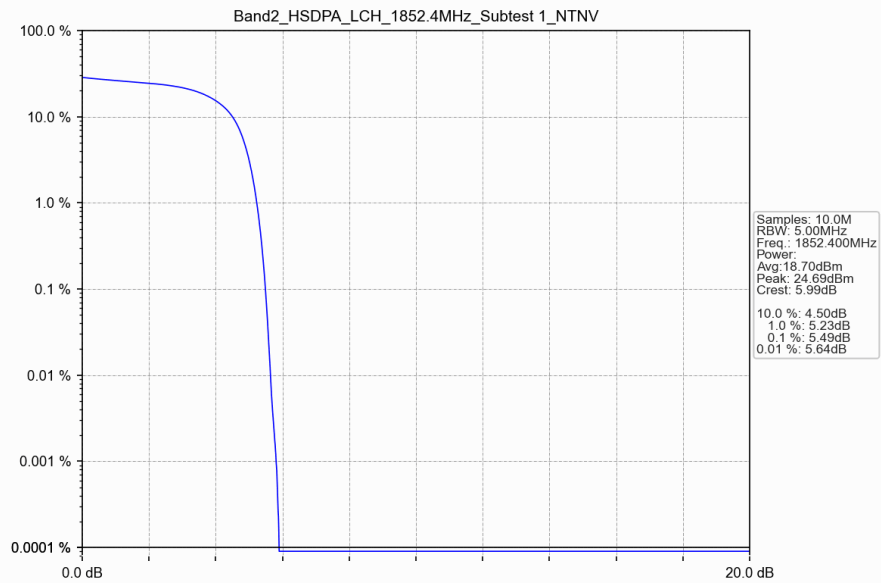
4.2.1 Band II



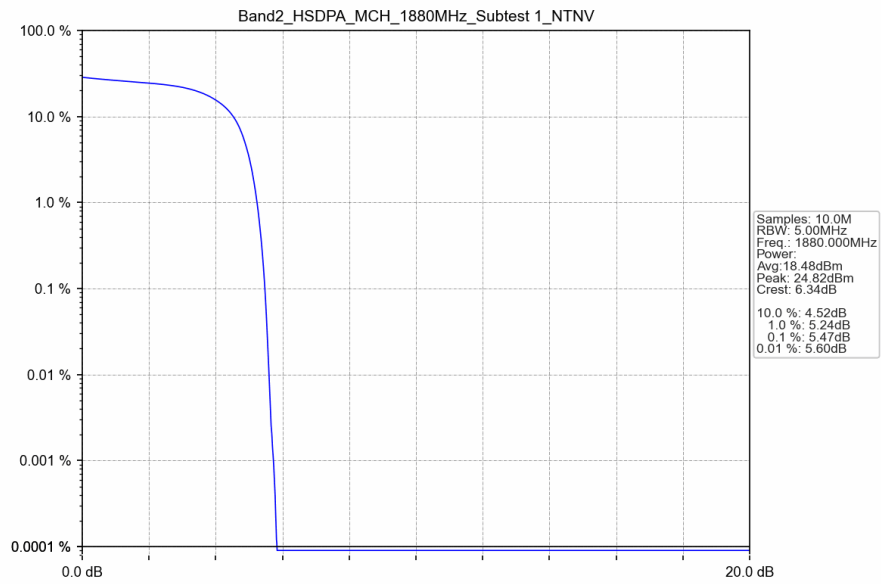
Band II RMC HCH 1907.6MHz 12.2kbps RMC NTN



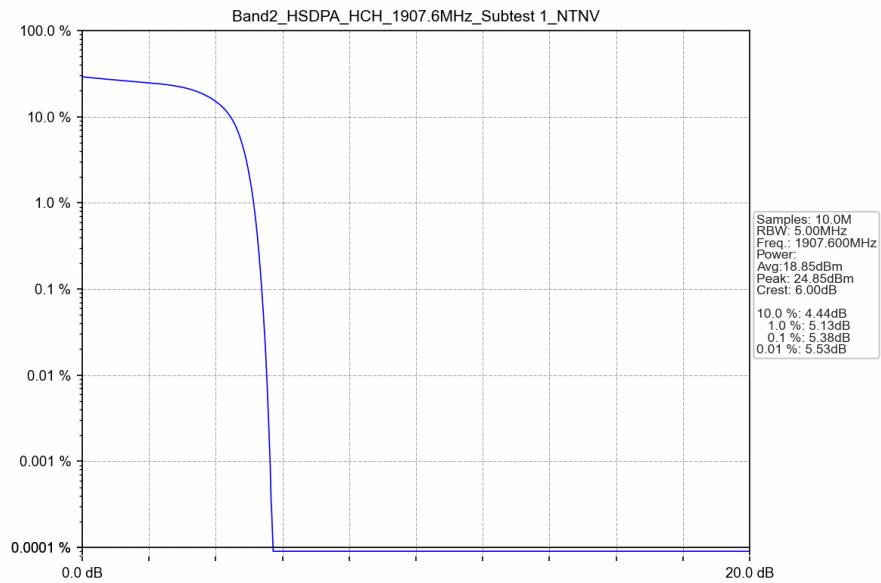
Band II HSDPA LCH 1852.4MHz_Subtest 1 NTN



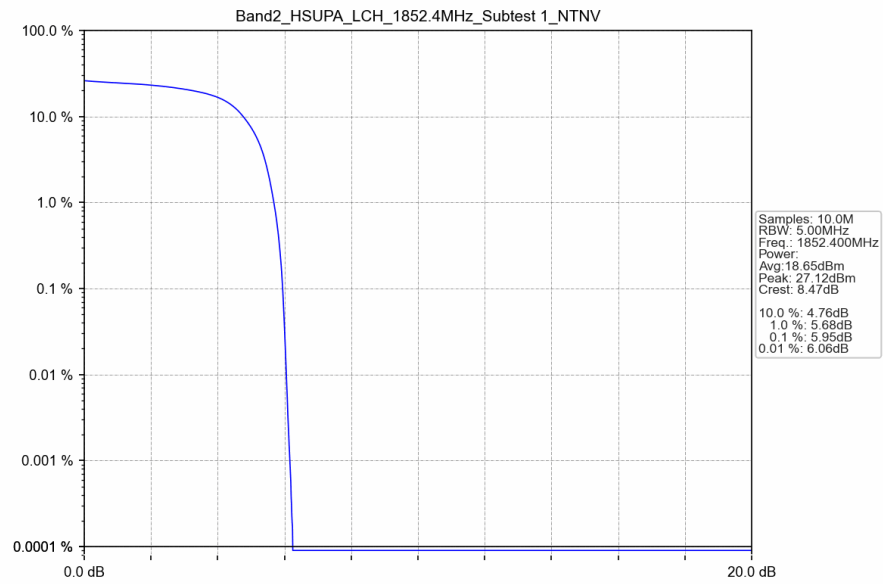
Band II HSDPA MCH 1880MHz Subtest 1_NTNV



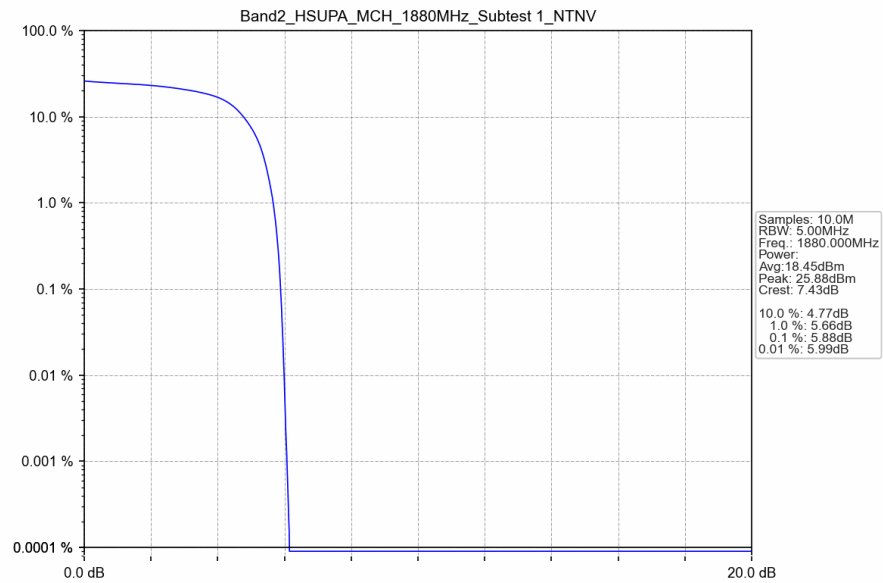
Band II HSDPA HCH 1907.6MHz Subtest 1_NTNV



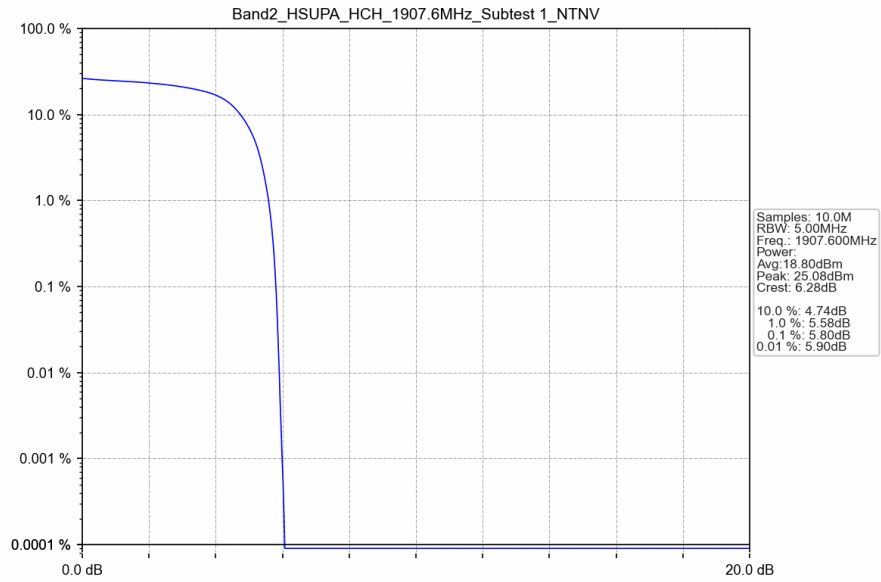
Band II HSUPA LCH 1852.4MHz Subtest 1 NTN



Band II HSUPA MCH 1880MHz Subtest 1 NTN



Band II HSUPA HCH 1907.6MHz Subtest 1 NTNV



5. Spurious Emission

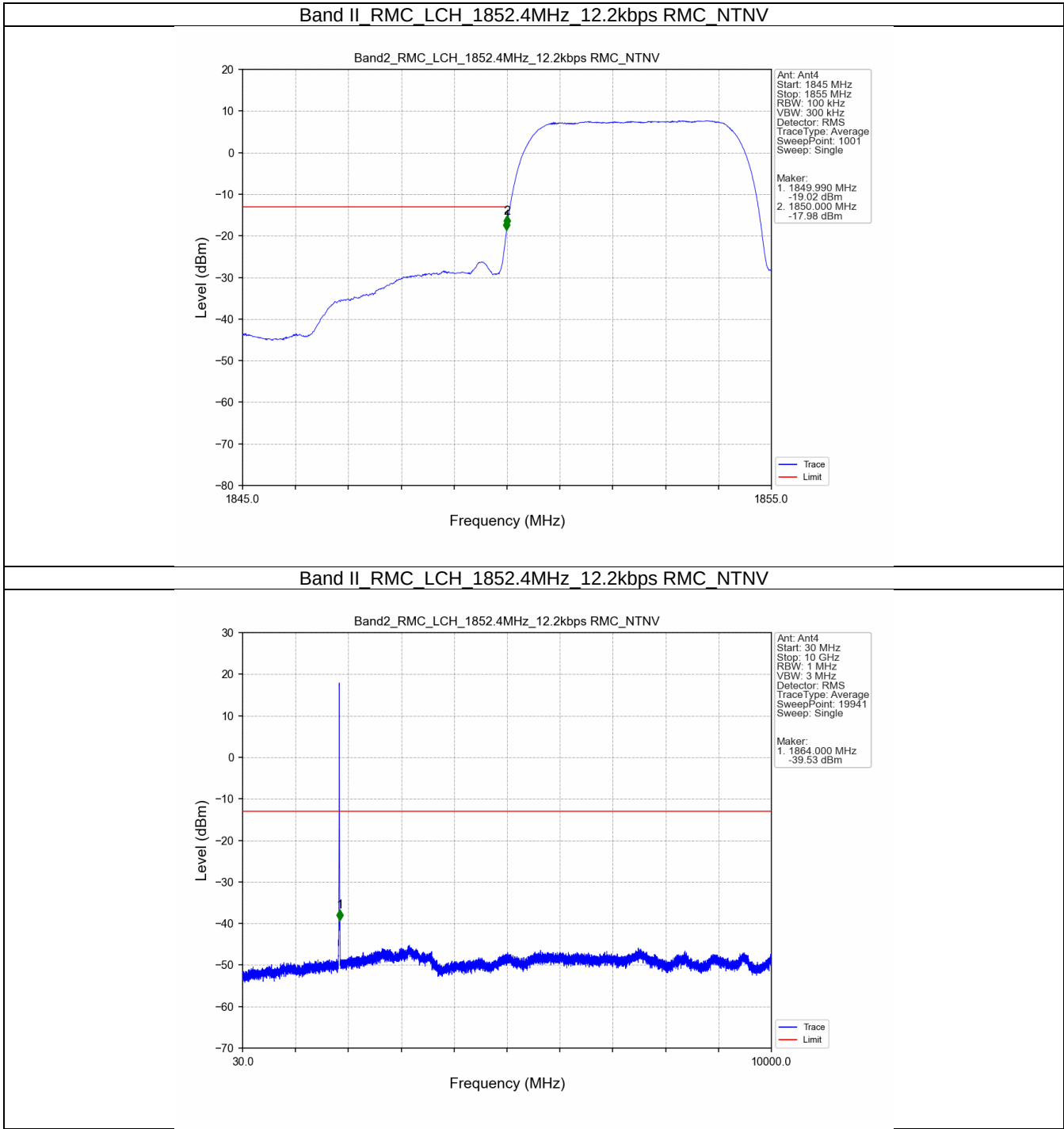
5.1 Test Result

5.1.1 Band II

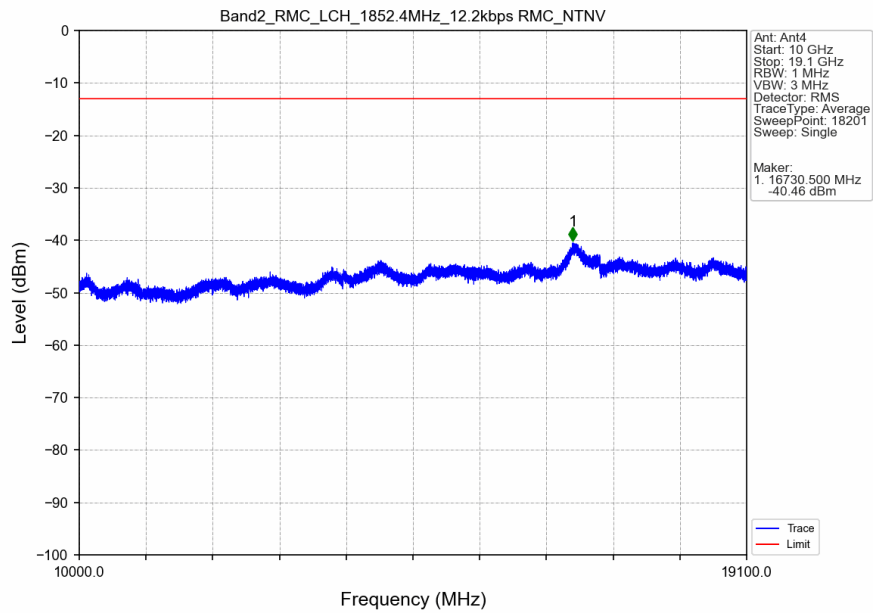
Band: II						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph	Pass	
			1880	Refer To Test Graph	Pass	
			1907.6	Refer To Test Graph	Pass	
	HSDPA	Subtest 1	1852.4	Refer To Test Graph	Pass	
			1880	Refer To Test Graph	Pass	
			1907.6	Refer To Test Graph	Pass	
	HSUPA	Subtest 1	1852.4	Refer To Test Graph	Pass	
			1880	Refer To Test Graph	Pass	
			1907.6	Refer To Test Graph	Pass	

5.2 Test Graph

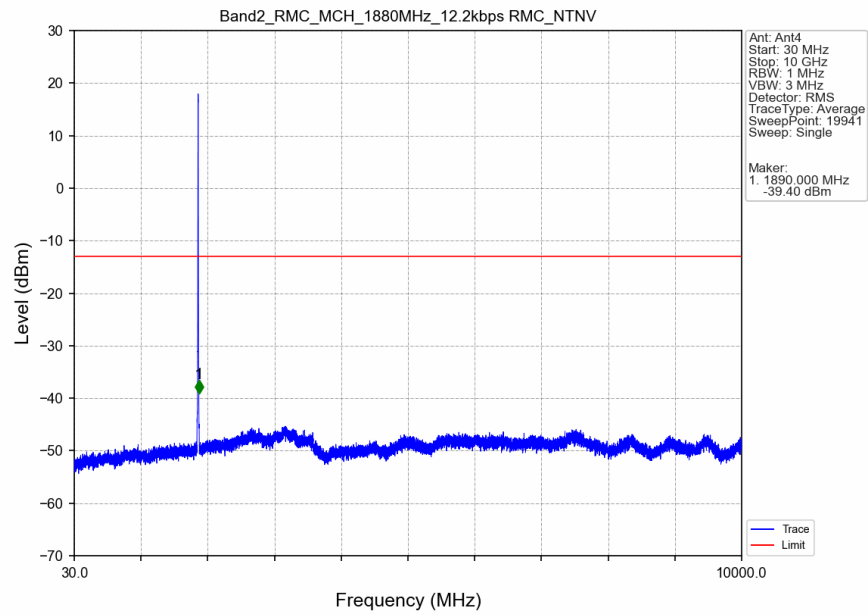
5.2.1 Band II



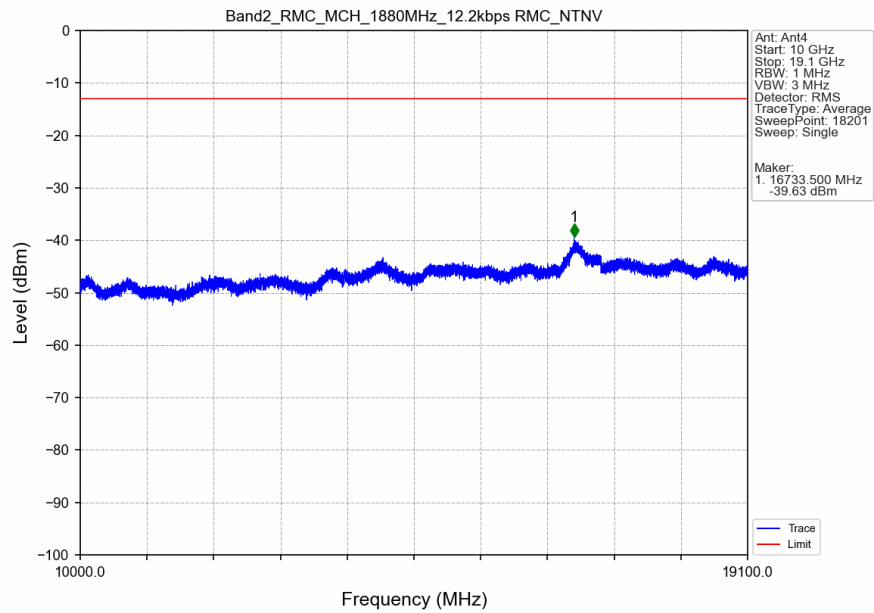
Band II_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



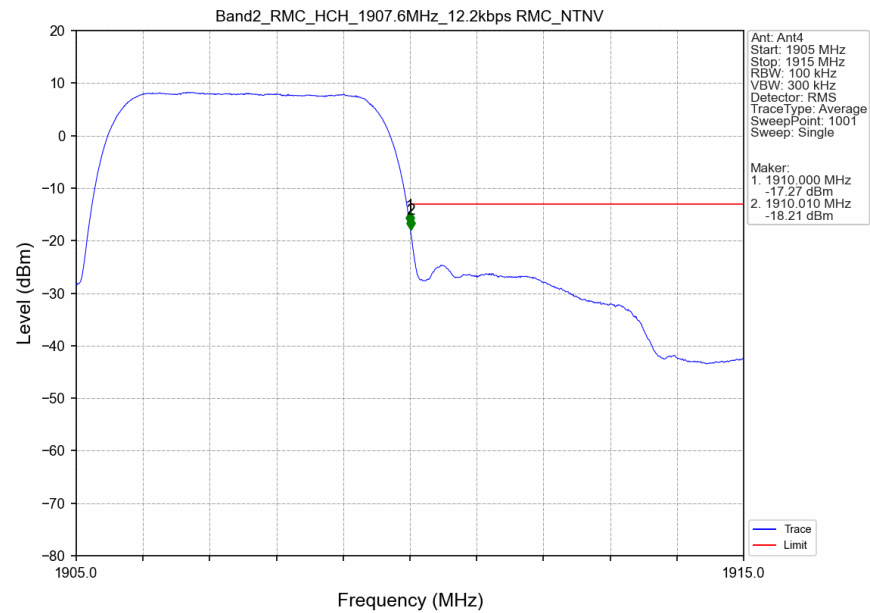
Band II_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



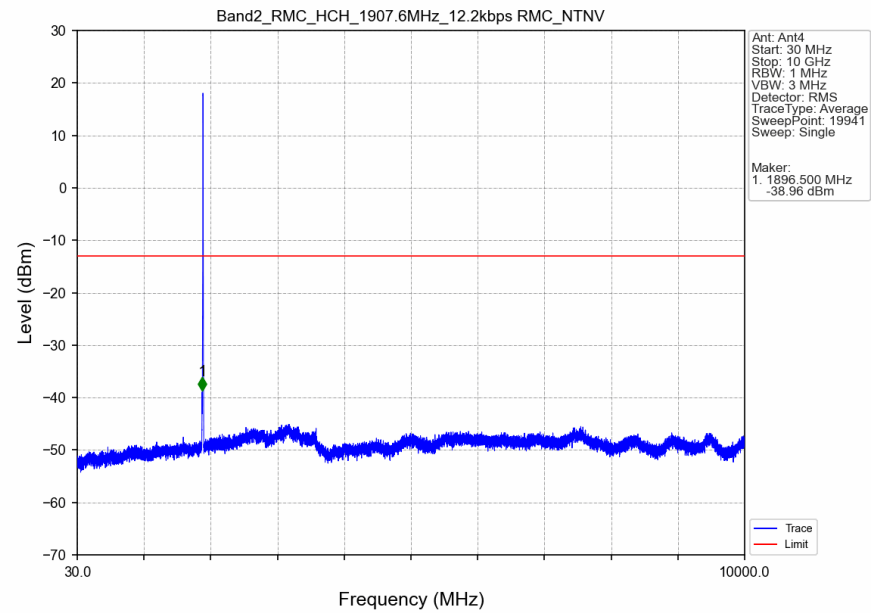
Band II RMC MCH 1880MHz 12.2kbps RMC NTN



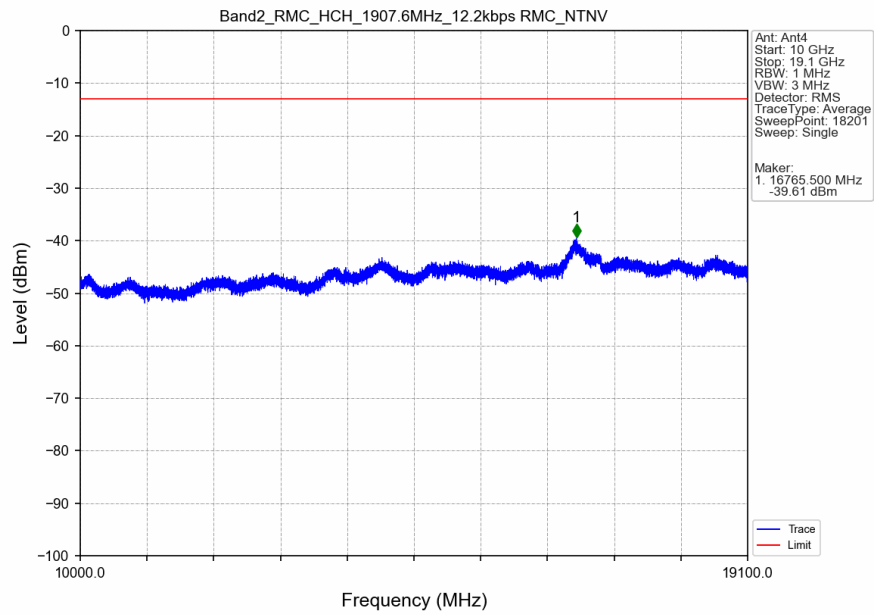
Band II RMC HCH 1907.6MHz 12.2kbps RMC NTN



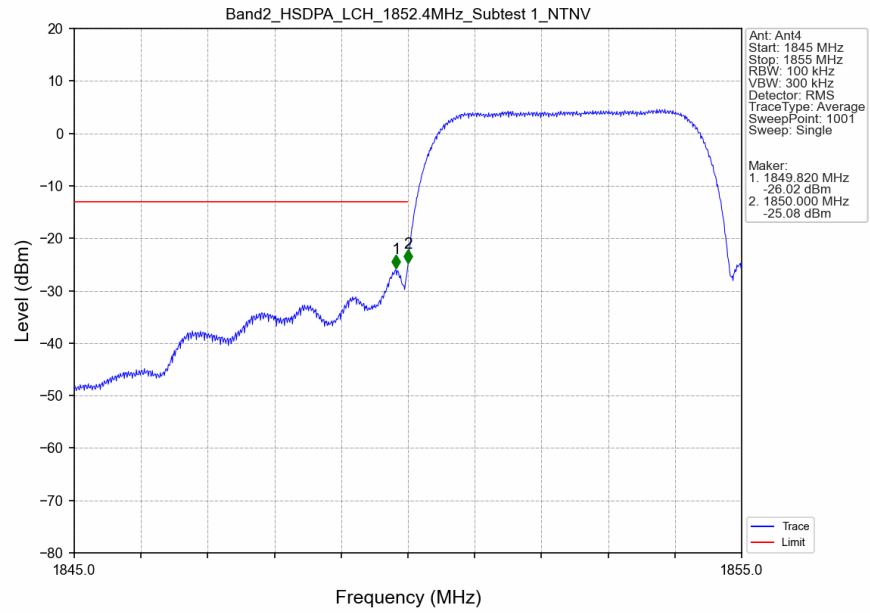
Band II RMC HCH 1907.6MHz 12.2kbps RMC NTN



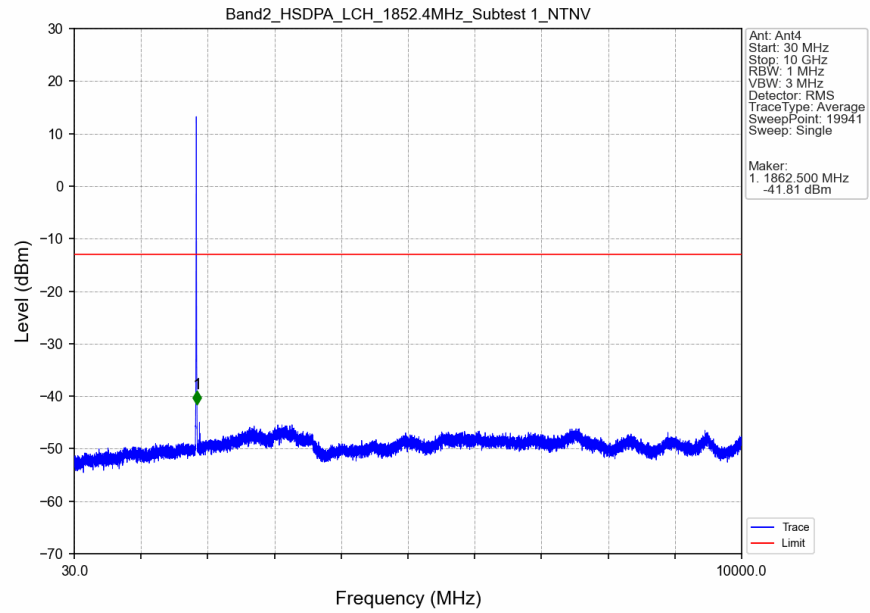
Band II RMC HCH 1907.6MHz 12.2kbps RMC NTN



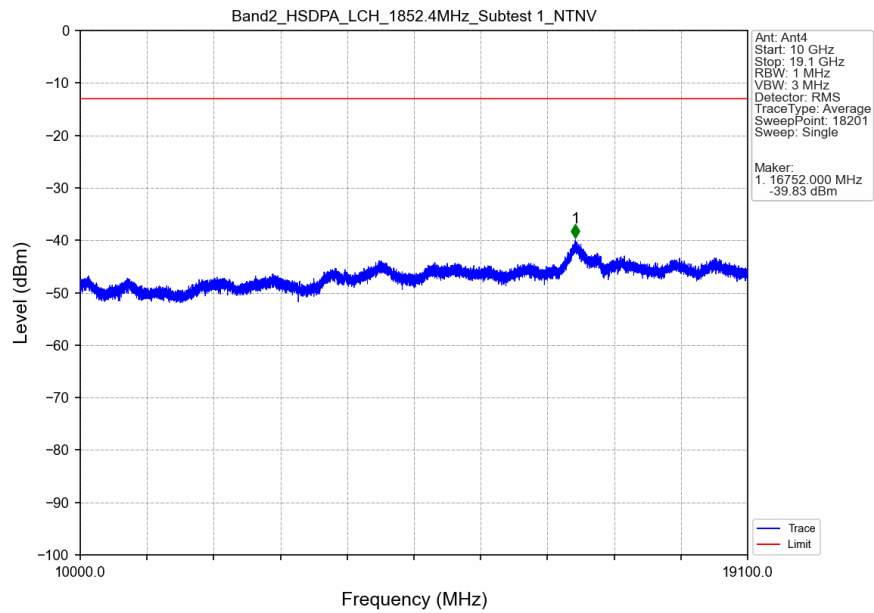
Band II HSDPA LCH 1852.4MHz Subtest 1_NTNV



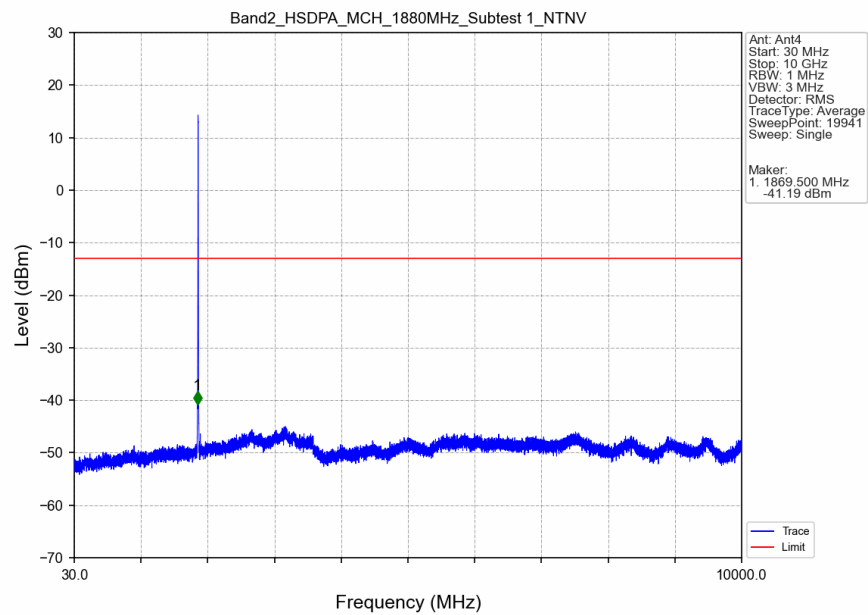
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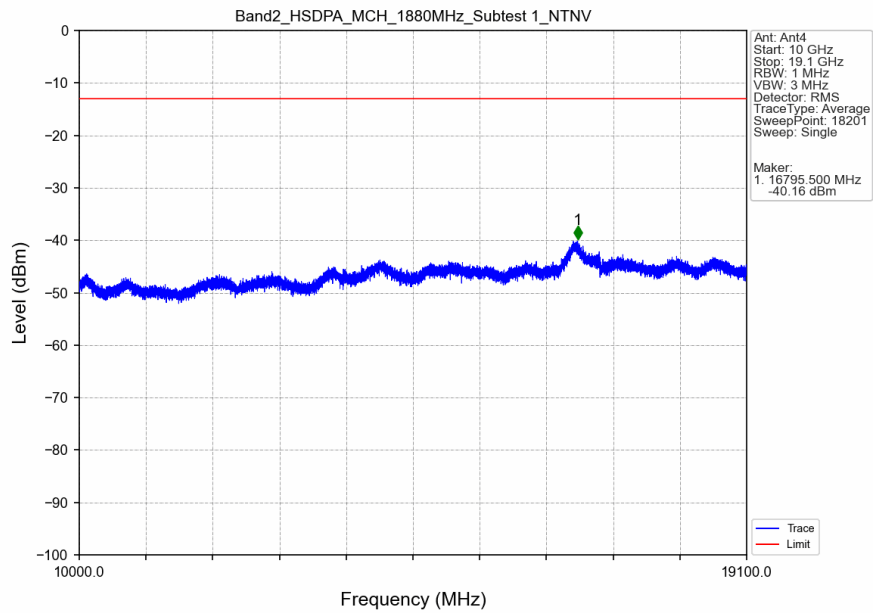
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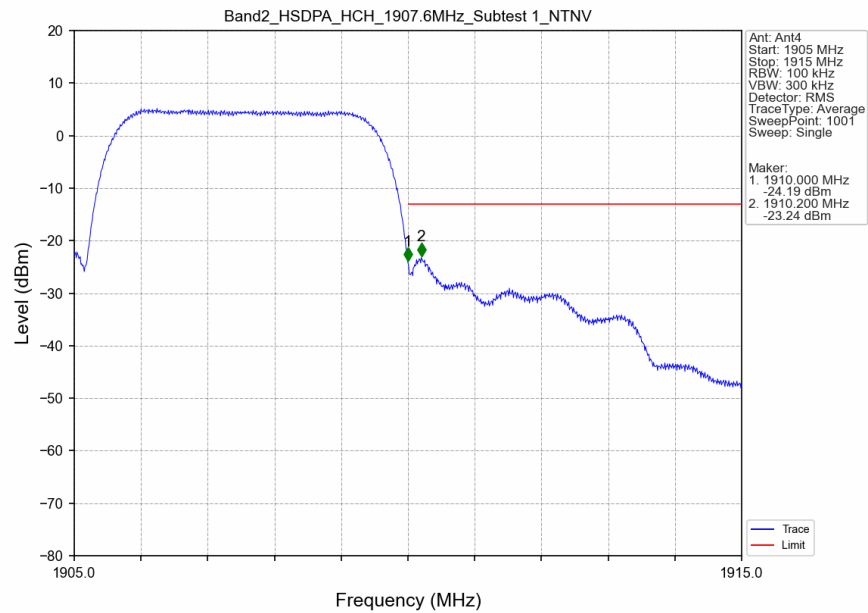
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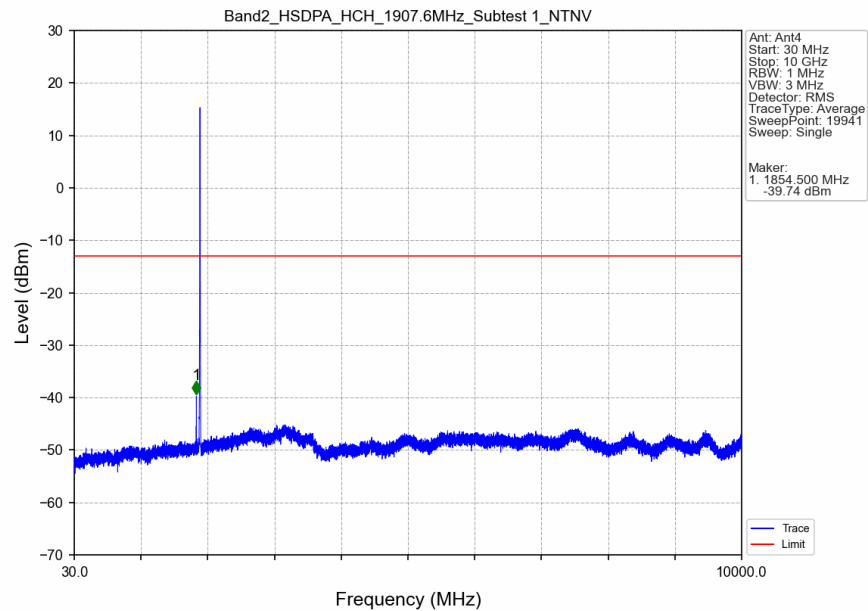
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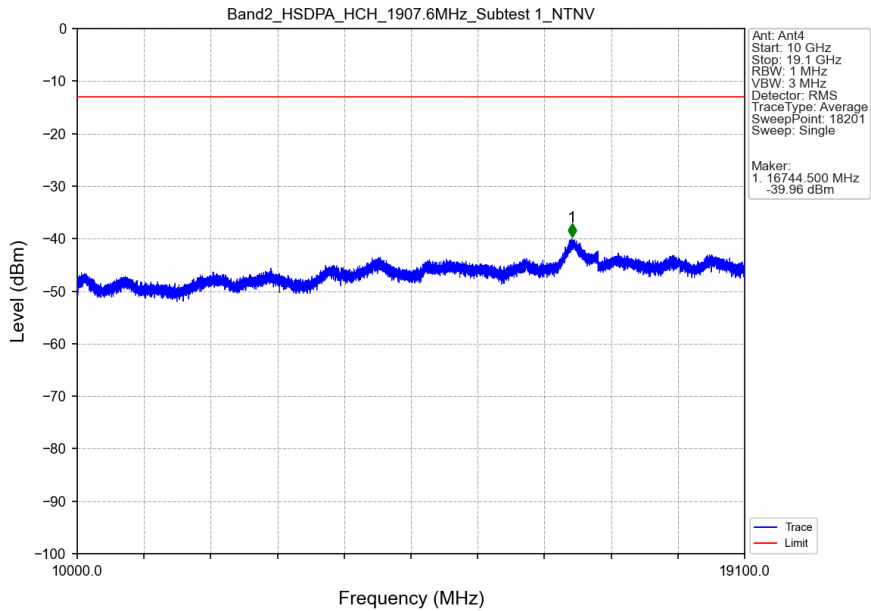
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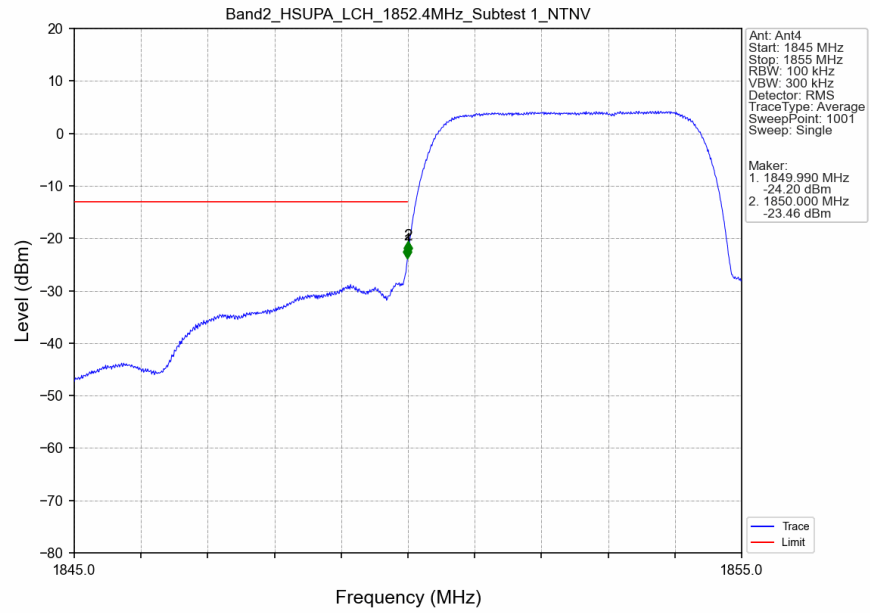
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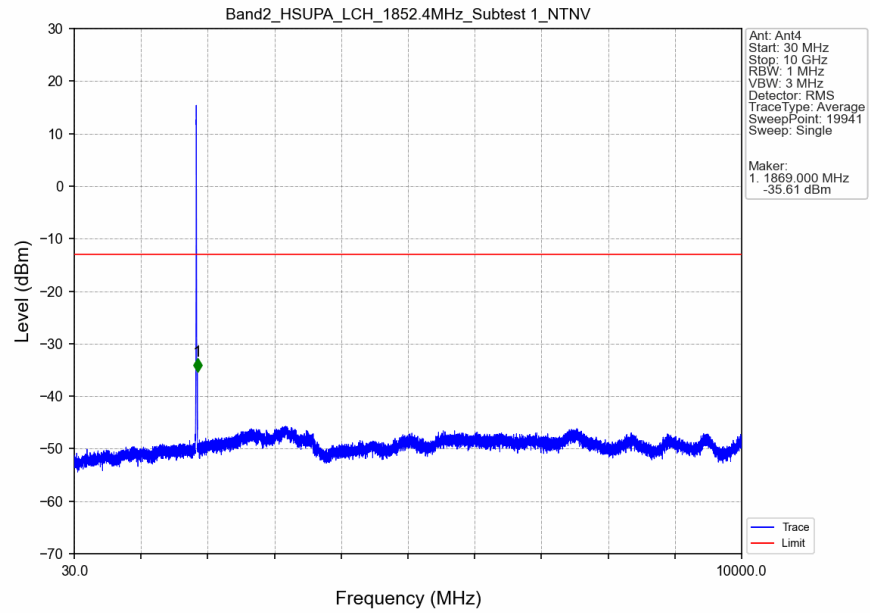
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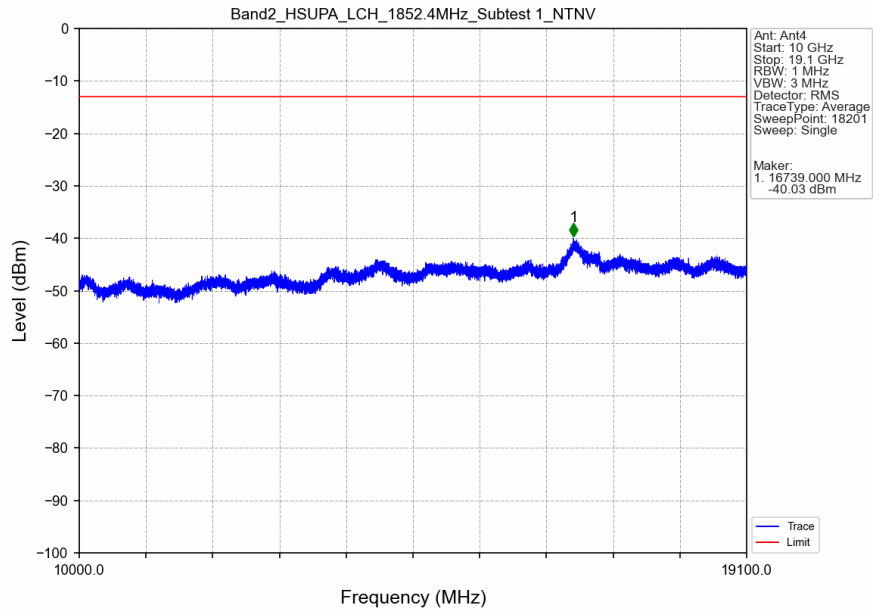
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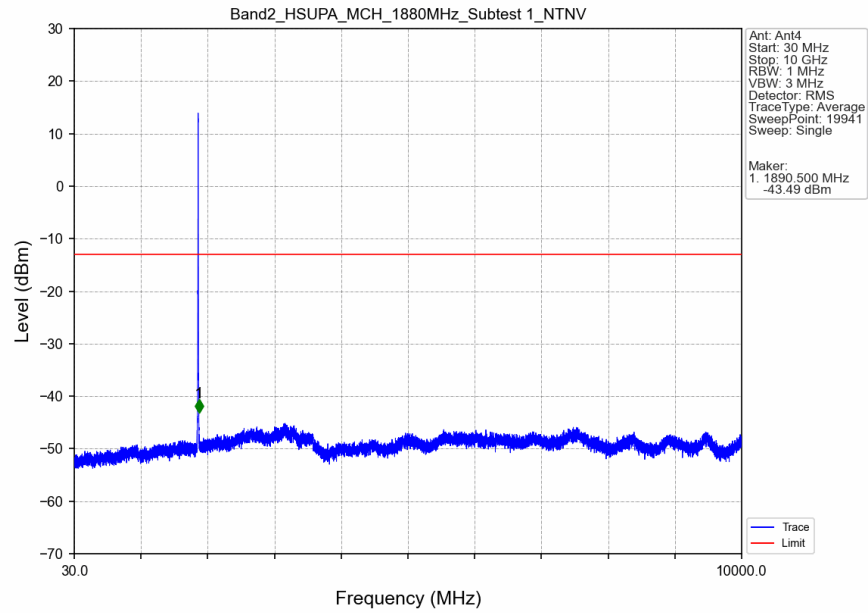
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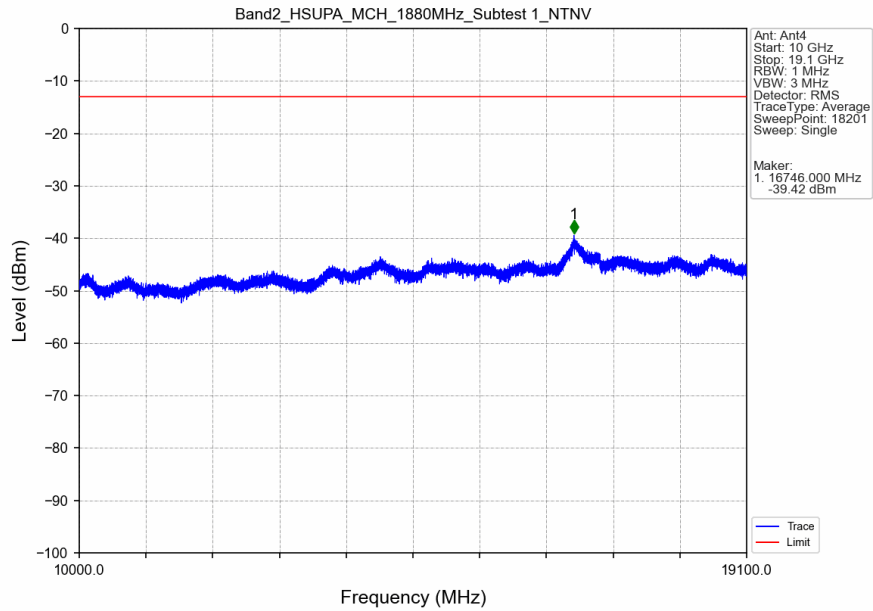
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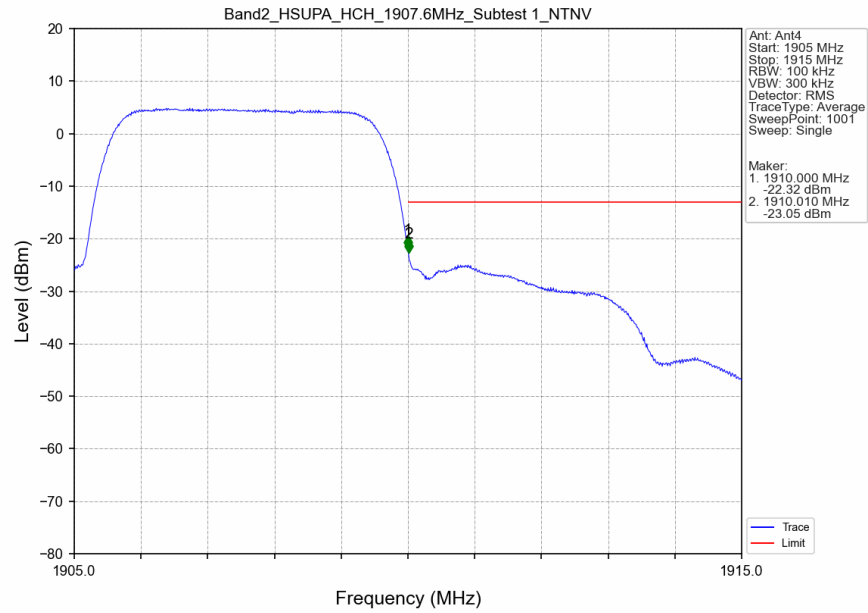
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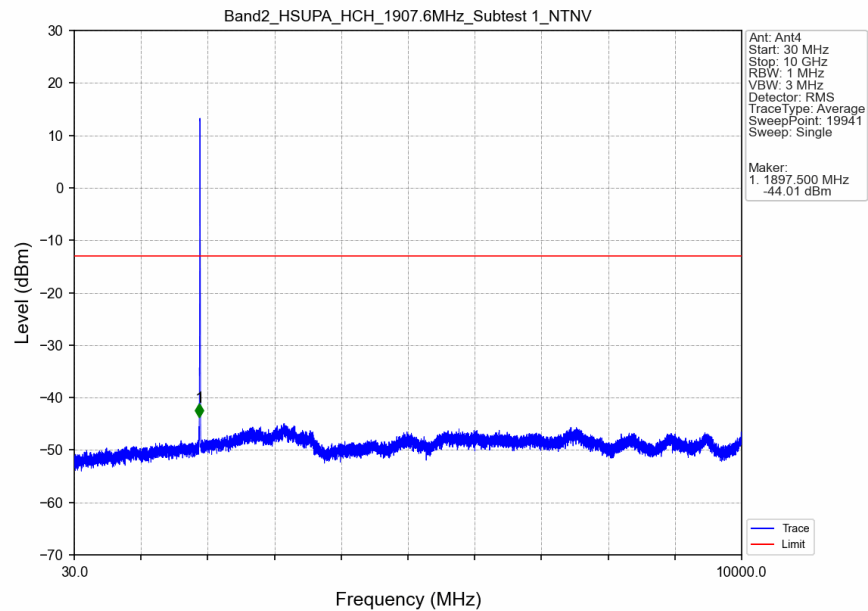
Band II HSUPA MCH 1880MHz Subtest 1_NTNV



Band II HSUPA HCH 1907.6MHz Subtest 1_NTNV



Band II HSUPA HCH 1907.6MHz Subtest 1_NTNV



Band II HSUPA HCH 1907.6MHz Subtest 1_NTNV

