

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 Band2 EIRP

Band: 2									
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
	Network	Subset				Result	Limit		
NTNV	RMC	12.2kbps RMC	1852.4	23.93	-1.00	22.93	<=33.01	Pass	
			1880	23.79	-1.00	22.79	<=33.01	Pass	
			1907.6	23.95	-1.00	22.95	<=33.01	Pass	
	HSDPA	Subtest 1	1852.4	22.10	-1.00	21.10	<=33.01	Pass	
		Subtest 2	1852.4	22.10	-1.00	21.10	<=33.01	Pass	
		Subtest 3	1852.4	22.10	-1.00	21.10	<=33.01	Pass	
		Subtest 4	1852.4	22.11	-1.00	21.11	<=33.01	Pass	
		Subtest 1	1880	21.89	-1.00	20.89	<=33.01	Pass	
		Subtest 2	1880	21.87	-1.00	20.87	<=33.01	Pass	
		Subtest 3	1880	21.88	-1.00	20.88	<=33.01	Pass	
		Subtest 4	1880	21.90	-1.00	20.90	<=33.01	Pass	
		Subtest 1	1907.6	22.11	-1.00	21.11	<=33.01	Pass	
		Subtest 2	1907.6	22.10	-1.00	21.10	<=33.01	Pass	
		Subtest 3	1907.6	22.11	-1.00	21.11	<=33.01	Pass	
		Subtest 4	1907.6	22.12	-1.00	21.12	<=33.01	Pass	
		HSUPA	Subtest 1	1852.4	22.53	-1.00	21.53	<=33.01	Pass
			Subtest 2	1852.4	22.02	-1.00	21.02	<=33.01	Pass
	Subtest 3		1852.4	22.01	-1.00	21.01	<=33.01	Pass	
	Subtest 4		1852.4	22.52	-1.00	21.52	<=33.01	Pass	
	Subtest 5		1852.4	21.56	-1.00	20.56	<=33.01	Pass	
	Subtest 1		1880	22.32	-1.00	21.32	<=33.01	Pass	
	Subtest 2		1880	21.78	-1.00	20.78	<=33.01	Pass	
	Subtest 3		1880	21.80	-1.00	20.80	<=33.01	Pass	
	Subtest 4		1880	22.33	-1.00	21.33	<=33.01	Pass	
	Subtest 5		1880	21.35	-1.00	20.35	<=33.01	Pass	
	Subtest 1		1907.6	22.53	-1.00	21.53	<=33.01	Pass	
	Subtest 2		1907.6	21.97	-1.00	20.97	<=33.01	Pass	
Subtest 3	1907.6		21.98	-1.00	20.98	<=33.01	Pass		
Subtest 4	1907.6	22.52	-1.00	21.52	<=33.01	Pass			
Subtest 5	1907.6	21.53	-1.00	20.53	<=33.01	Pass			

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 Band2

Band: 2							
Network	Frequency (MHz)	Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1852.4	20	LV	2.628	0.0014	-2.5 to 2.5	Pass
			NV	3.606	0.0019	-2.5 to 2.5	Pass
			HV	5.029	0.0027	-2.5 to 2.5	Pass
		-30	NV	3.064	0.0017	-2.5 to 2.5	Pass
		-20	NV	2.054	0.0011	-2.5 to 2.5	Pass
		-10	NV	2.769	0.0015	-2.5 to 2.5	Pass
		0	NV	0.988	0.0005	-2.5 to 2.5	Pass
		10	NV	0.819	0.0004	-2.5 to 2.5	Pass
		30	NV	0.204	0.0001	-2.5 to 2.5	Pass
		40	NV	0.644	0.0003	-2.5 to 2.5	Pass
		50	NV	-1.479	-0.0008	-2.5 to 2.5	Pass
	1880	20	LV	-1.695	-0.0009	-2.5 to 2.5	Pass
			NV	-0.997	-0.0005	-2.5 to 2.5	Pass
			HV	-1.363	-0.0007	-2.5 to 2.5	Pass
		-30	NV	-0.148	-0.0001	-2.5 to 2.5	Pass
		-20	NV	1.074	0.0006	-2.5 to 2.5	Pass
		-10	NV	2.444	0.0013	-2.5 to 2.5	Pass
		0	NV	0.552	0.0003	-2.5 to 2.5	Pass
		10	NV	0.672	0.0004	-2.5 to 2.5	Pass
		30	NV	2.463	0.0013	-2.5 to 2.5	Pass
		40	NV	0.187	0.0001	-2.5 to 2.5	Pass
		50	NV	1.733	0.0009	-2.5 to 2.5	Pass
	1907.6	20	LV	1.905	0.0010	-2.5 to 2.5	Pass
			NV	1.063	0.0006	-2.5 to 2.5	Pass
			HV	2.644	0.0014	-2.5 to 2.5	Pass
		-30	NV	0.479	0.0003	-2.5 to 2.5	Pass
		-20	NV	2.799	0.0015	-2.5 to 2.5	Pass
		-10	NV	2.337	0.0012	-2.5 to 2.5	Pass
		0	NV	2.564	0.0013	-2.5 to 2.5	Pass
		10	NV	3.060	0.0016	-2.5 to 2.5	Pass
		30	NV	0.701	0.0004	-2.5 to 2.5	Pass
		40	NV	0.456	0.0002	-2.5 to 2.5	Pass
		50	NV	3.202	0.0017	-2.5 to 2.5	Pass
HSDPA	1852.4	20	LV	-0.533	-0.0003	-2.5 to 2.5	Pass
			NV	-1.293	-0.0007	-2.5 to 2.5	Pass
			HV	0.903	0.0005	-2.5 to 2.5	Pass
		-30	NV	2.098	0.0011	-2.5 to 2.5	Pass
		-20	NV	0.128	0.0001	-2.5 to 2.5	Pass
		-10	NV	-1.054	-0.0006	-2.5 to 2.5	Pass
		0	NV	-1.693	-0.0009	-2.5 to 2.5	Pass
		10	NV	-0.947	-0.0005	-2.5 to 2.5	Pass
		30	NV	1.082	0.0006	-2.5 to 2.5	Pass
		40	NV	0.863	0.0005	-2.5 to 2.5	Pass
		50	NV	-1.542	-0.0008	-2.5 to 2.5	Pass
	1880	20	LV	1.691	0.0009	-2.5 to 2.5	Pass
			NV	0.610	0.0003	-2.5 to 2.5	Pass
			HV	1.788	0.0010	-2.5 to 2.5	Pass
		-30	NV	1.443	0.0008	-2.5 to 2.5	Pass
		-20	NV	2.838	0.0015	-2.5 to 2.5	Pass
		-10	NV	1.887	0.0010	-2.5 to 2.5	Pass
		0	NV	2.232	0.0012	-2.5 to 2.5	Pass

		10	NV	0.699	0.0004	-2.5 to 2.5	Pass
		30	NV	1.268	0.0007	-2.5 to 2.5	Pass
		40	NV	1.908	0.0010	-2.5 to 2.5	Pass
		50	NV	-0.815	-0.0004	-2.5 to 2.5	Pass
	1907.6	20	LV	-0.152	-0.0001	-2.5 to 2.5	Pass
			NV	5.104	0.0027	-2.5 to 2.5	Pass
			HV	4.705	0.0025	-2.5 to 2.5	Pass
		-30	NV	2.762	0.0014	-2.5 to 2.5	Pass
		-20	NV	5.653	0.0030	-2.5 to 2.5	Pass
		-10	NV	4.382	0.0023	-2.5 to 2.5	Pass
		0	NV	6.416	0.0034	-2.5 to 2.5	Pass
		10	NV	4.352	0.0023	-2.5 to 2.5	Pass
		30	NV	2.950	0.0015	-2.5 to 2.5	Pass
		40	NV	3.185	0.0017	-2.5 to 2.5	Pass
		50	NV	4.987	0.0026	-2.5 to 2.5	Pass
HSUPA	1852.4	20	LV	6.217	0.0034	-2.5 to 2.5	Pass
			NV	3.310	0.0018	-2.5 to 2.5	Pass
			HV	5.617	0.0030	-2.5 to 2.5	Pass
		-30	NV	6.021	0.0033	-2.5 to 2.5	Pass
		-20	NV	3.528	0.0019	-2.5 to 2.5	Pass
		-10	NV	3.931	0.0021	-2.5 to 2.5	Pass
		0	NV	4.174	0.0023	-2.5 to 2.5	Pass
		10	NV	5.680	0.0031	-2.5 to 2.5	Pass
		30	NV	6.017	0.0032	-2.5 to 2.5	Pass
		40	NV	6.100	0.0033	-2.5 to 2.5	Pass
		50	NV	3.819	0.0021	-2.5 to 2.5	Pass
	1880	20	LV	4.253	0.0023	-2.5 to 2.5	Pass
			NV	4.277	0.0023	-2.5 to 2.5	Pass
			HV	4.085	0.0022	-2.5 to 2.5	Pass
		-30	NV	4.022	0.0021	-2.5 to 2.5	Pass
		-20	NV	4.403	0.0023	-2.5 to 2.5	Pass
		-10	NV	3.533	0.0019	-2.5 to 2.5	Pass
		0	NV	4.339	0.0023	-2.5 to 2.5	Pass
		10	NV	2.061	0.0011	-2.5 to 2.5	Pass
		30	NV	4.092	0.0022	-2.5 to 2.5	Pass
		40	NV	2.380	0.0013	-2.5 to 2.5	Pass
		50	NV	2.416	0.0013	-2.5 to 2.5	Pass
	1907.6	20	LV	5.825	0.0031	-2.5 to 2.5	Pass
			NV	6.210	0.0033	-2.5 to 2.5	Pass
			HV	5.910	0.0031	-2.5 to 2.5	Pass
		-30	NV	1.975	0.0010	-2.5 to 2.5	Pass
		-20	NV	4.171	0.0022	-2.5 to 2.5	Pass
		-10	NV	6.230	0.0033	-2.5 to 2.5	Pass
		0	NV	3.144	0.0016	-2.5 to 2.5	Pass
		10	NV	3.222	0.0017	-2.5 to 2.5	Pass
		30	NV	1.280	0.0007	-2.5 to 2.5	Pass
		40	NV	3.307	0.0017	-2.5 to 2.5	Pass
		50	NV	3.702	0.0019	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band2_OBW

Band: 2						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.176	/	Pass
			1880	4.171	/	Pass
			1907.6	4.176	/	Pass

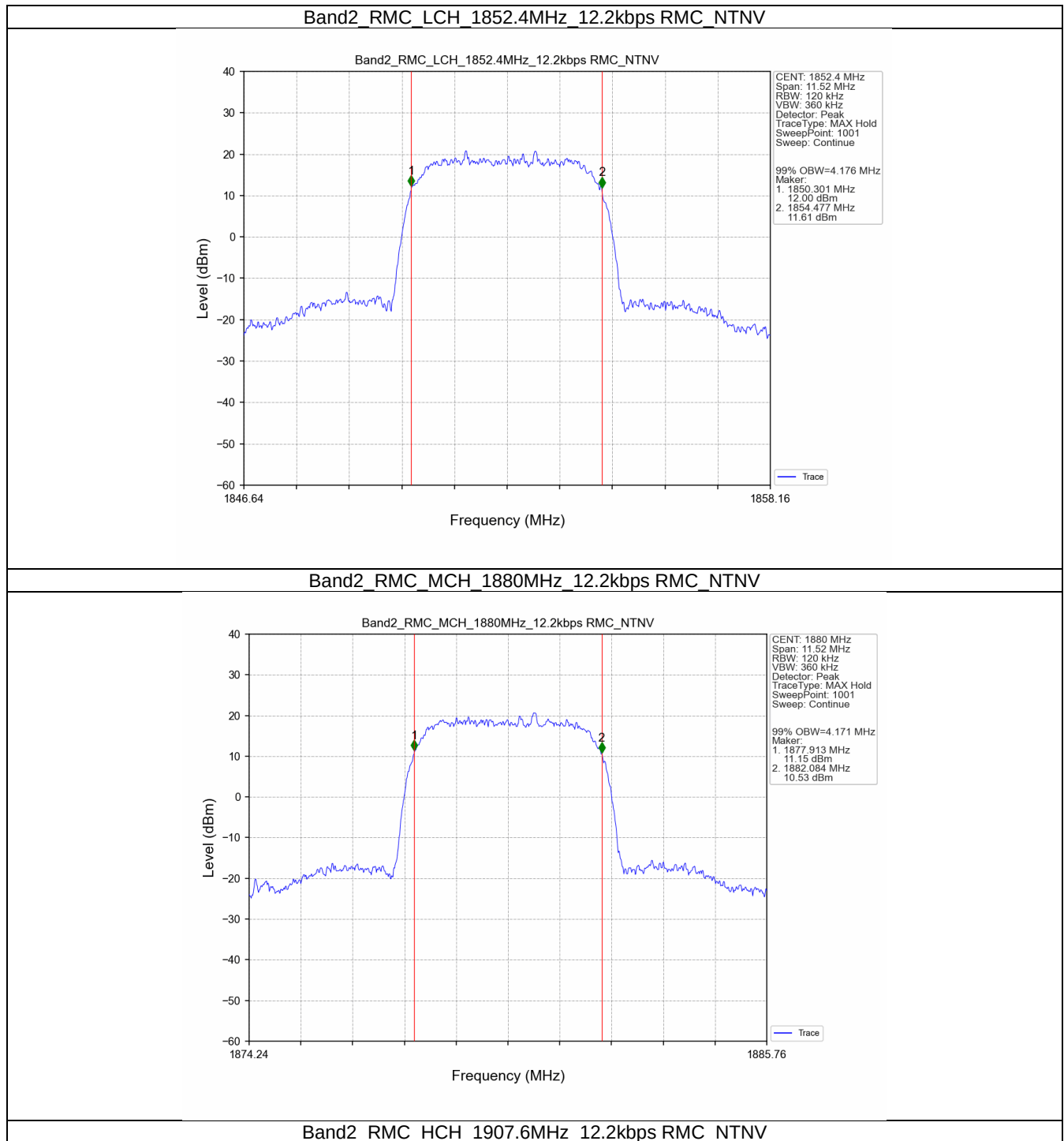
	HSDPA	Subtest 1	1852.4	4.150	/	Pass
			1880	4.151	/	Pass
			1907.6	4.172	/	Pass
	HSUPA	Subtest 1	1852.4	4.172	/	Pass
			1880	4.162	/	Pass
			1907.6	4.180	/	Pass

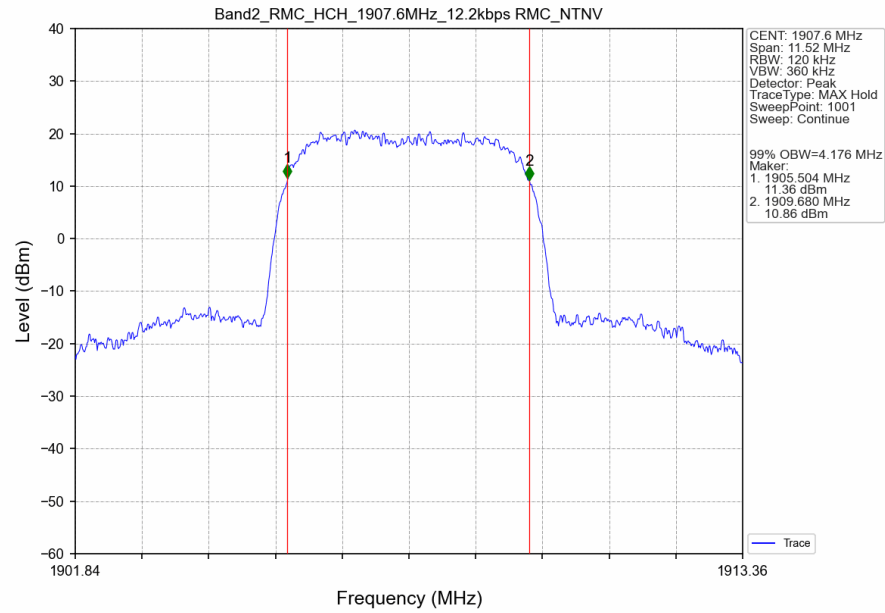
3.1.2 Band2_XDB

Band: 2						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.758	/	Pass
			1880	4.763	/	Pass
			1907.6	4.781	/	Pass
	HSDPA	Subtest 1	1852.4	4.715	/	Pass
			1880	4.719	/	Pass
			1907.6	4.727	/	Pass
	HSUPA	Subtest 1	1852.4	4.748	/	Pass
			1880	4.713	/	Pass
			1907.6	4.685	/	Pass

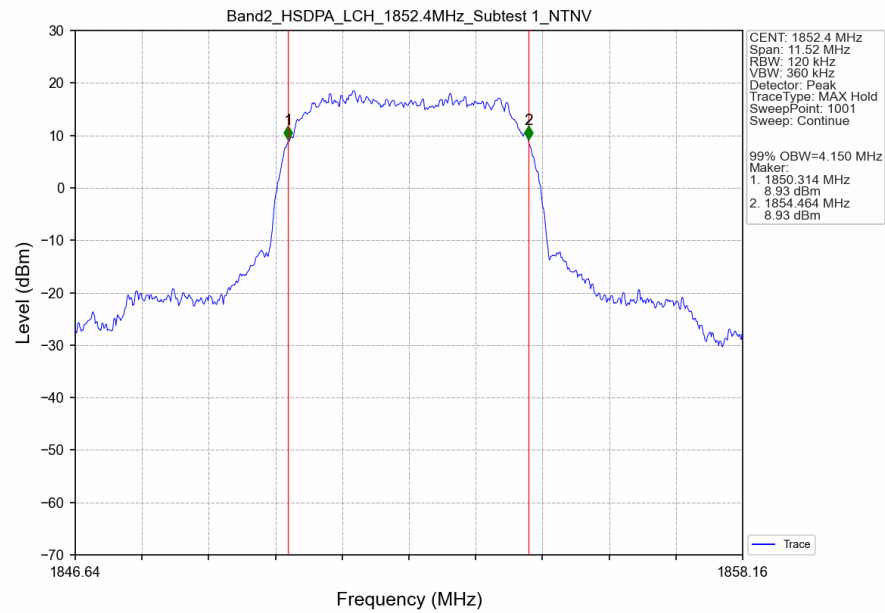
3.2 Test Graph

3.2.1 Band2_OBW

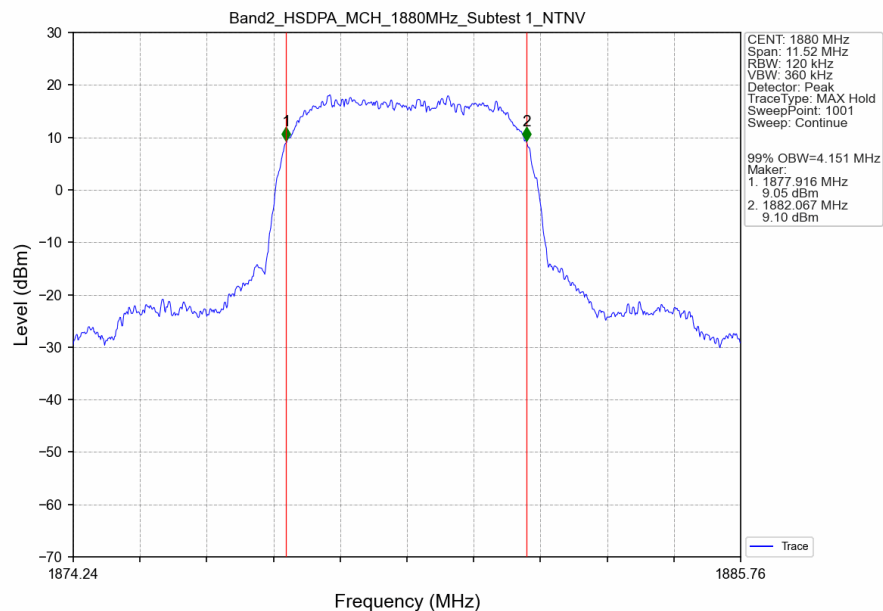




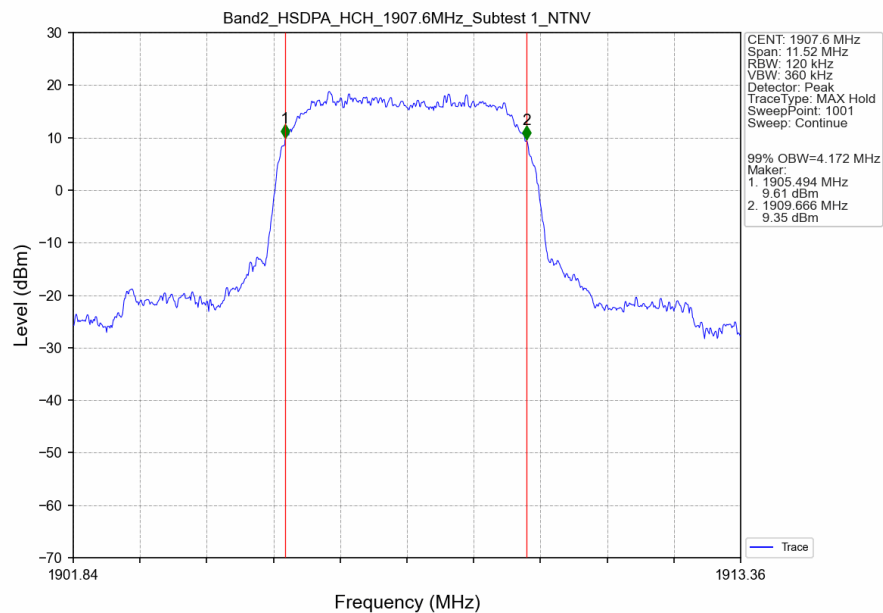
Band2 HSDPA LCH 1852.4MHz Subtest 1 NTN



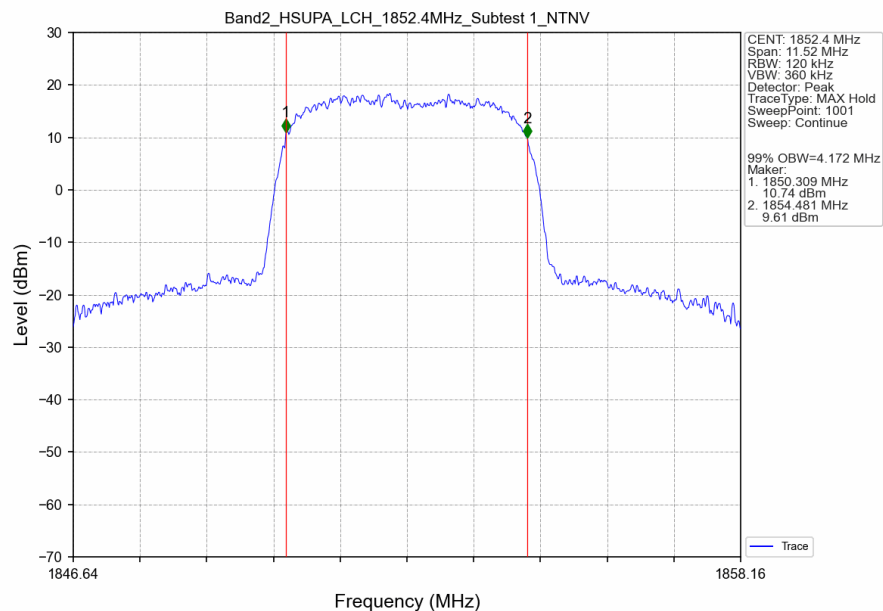
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



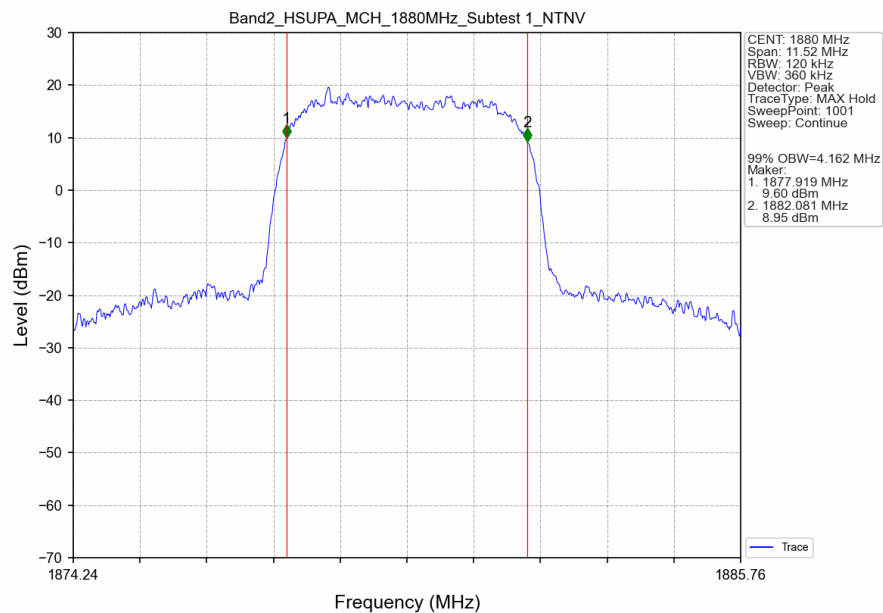
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV

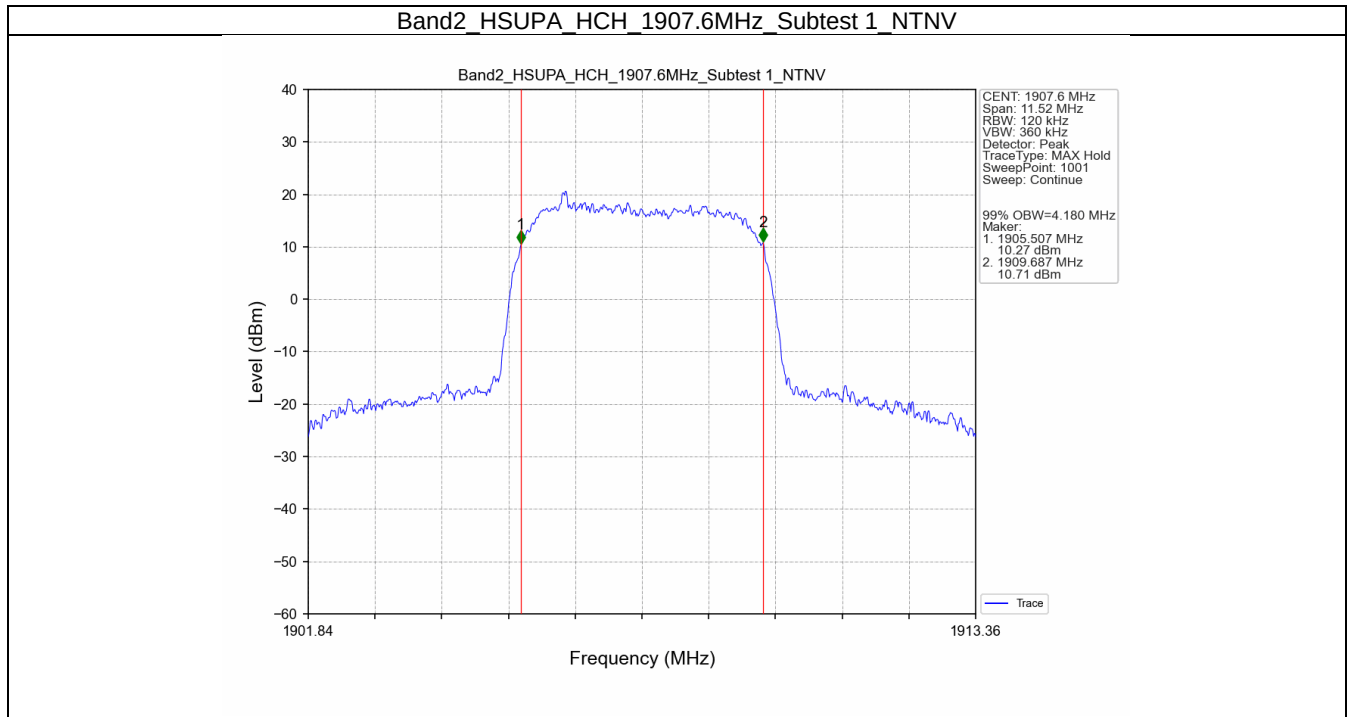


Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV

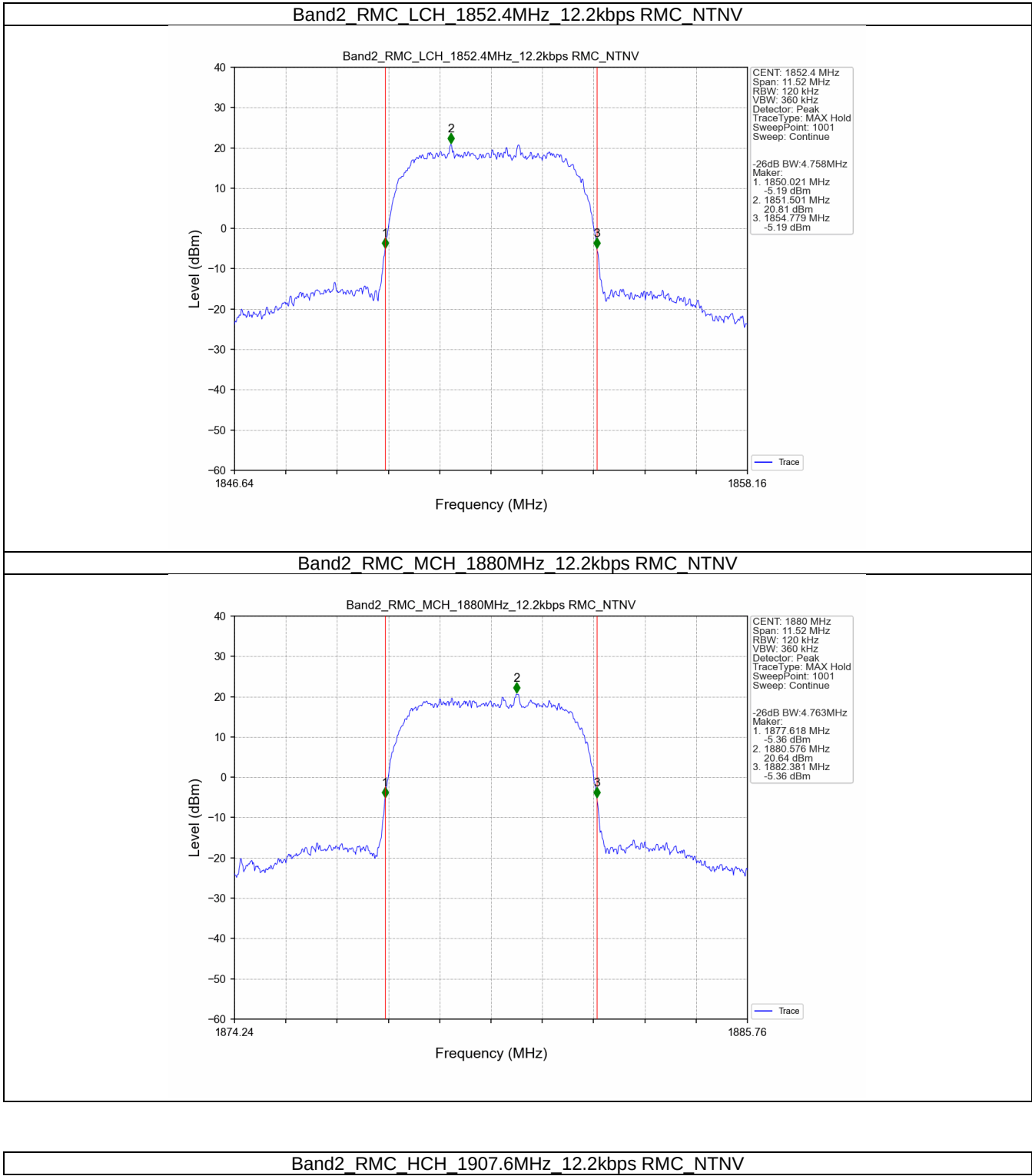


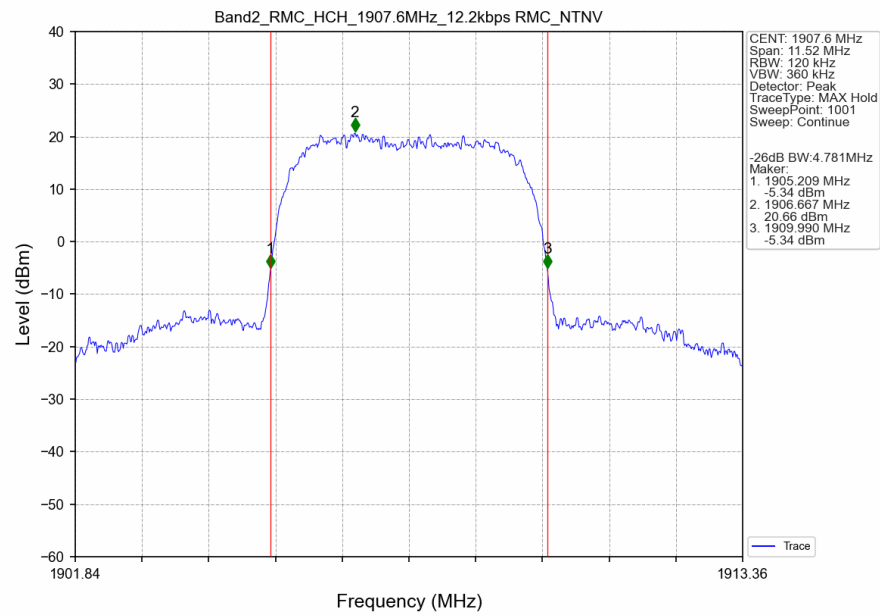
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



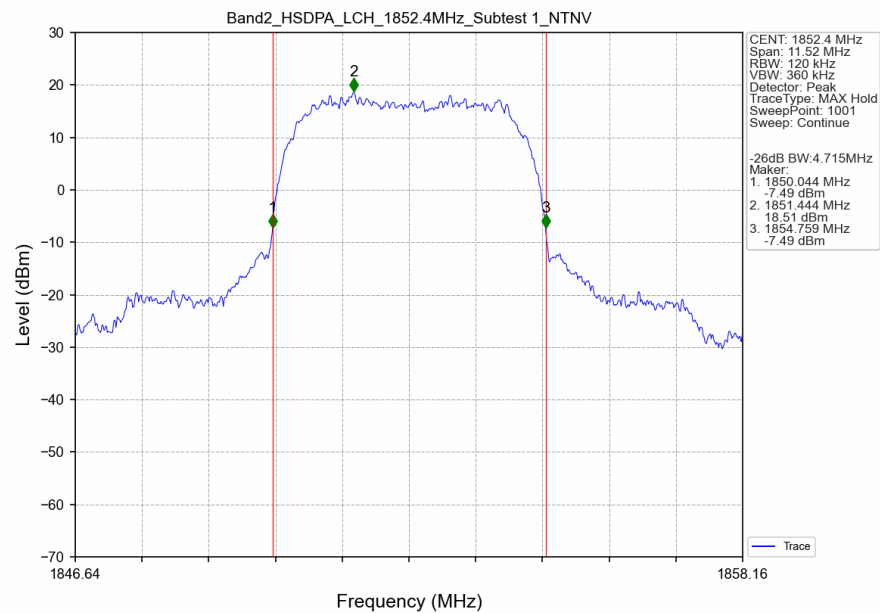


3.2.2 Band2_XDB

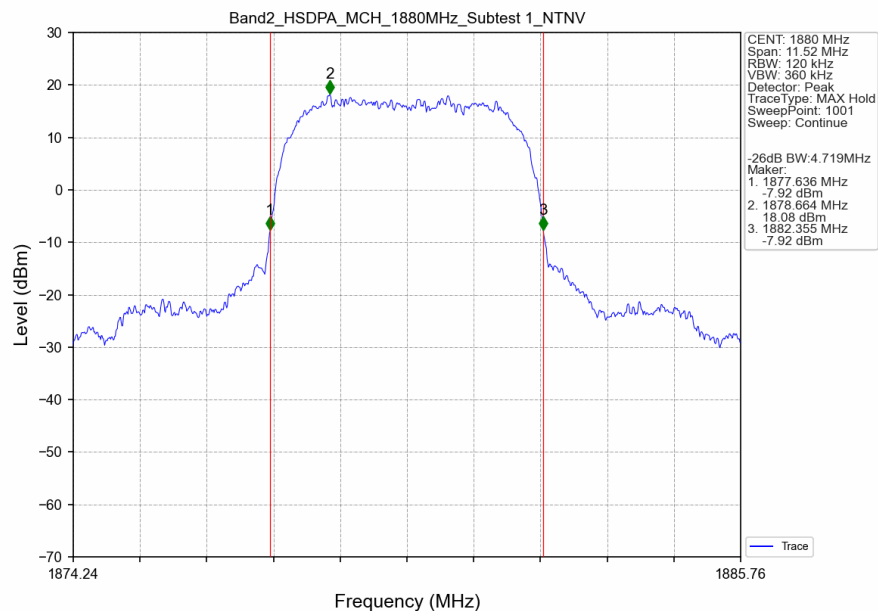




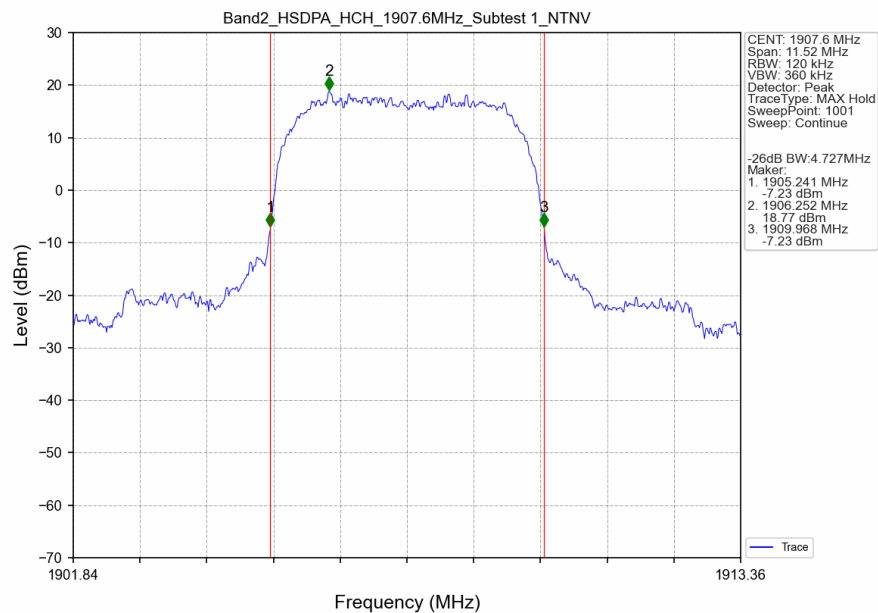
Band2 HSDPA LCH 1852.4MHz Subtest 1 NTN



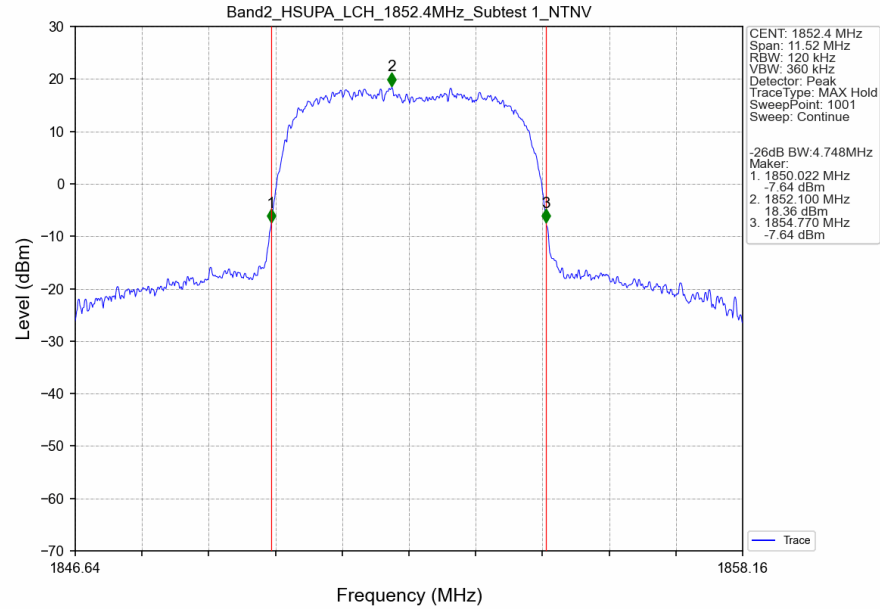
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



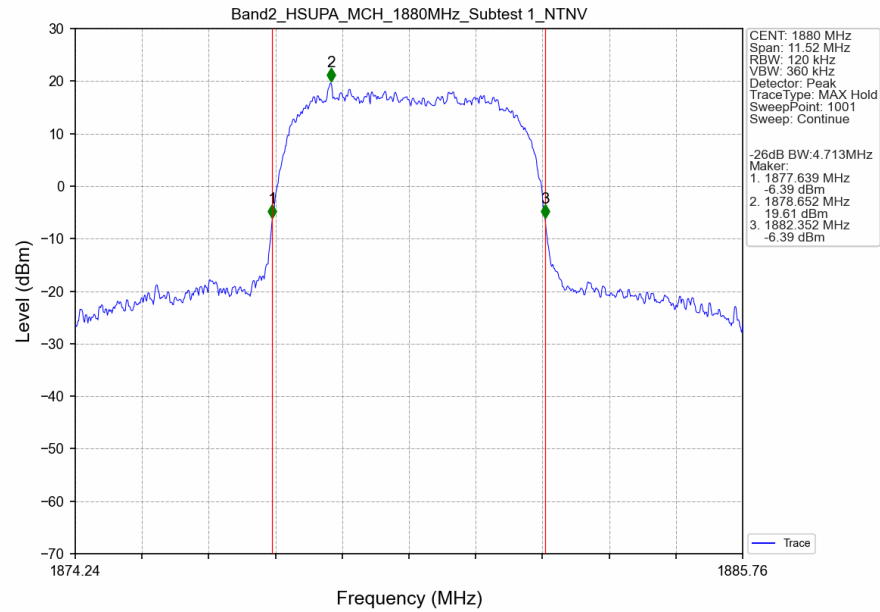
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV

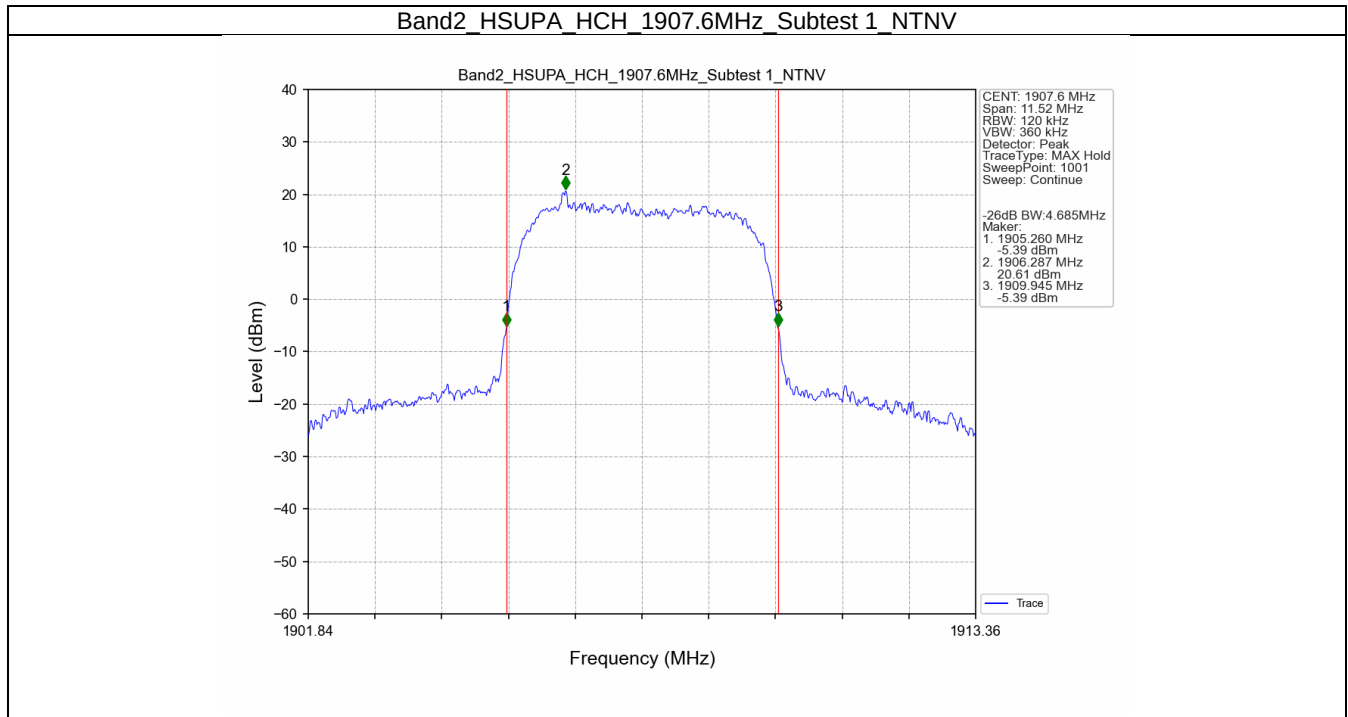


Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV





4. Peak-Average Ratio

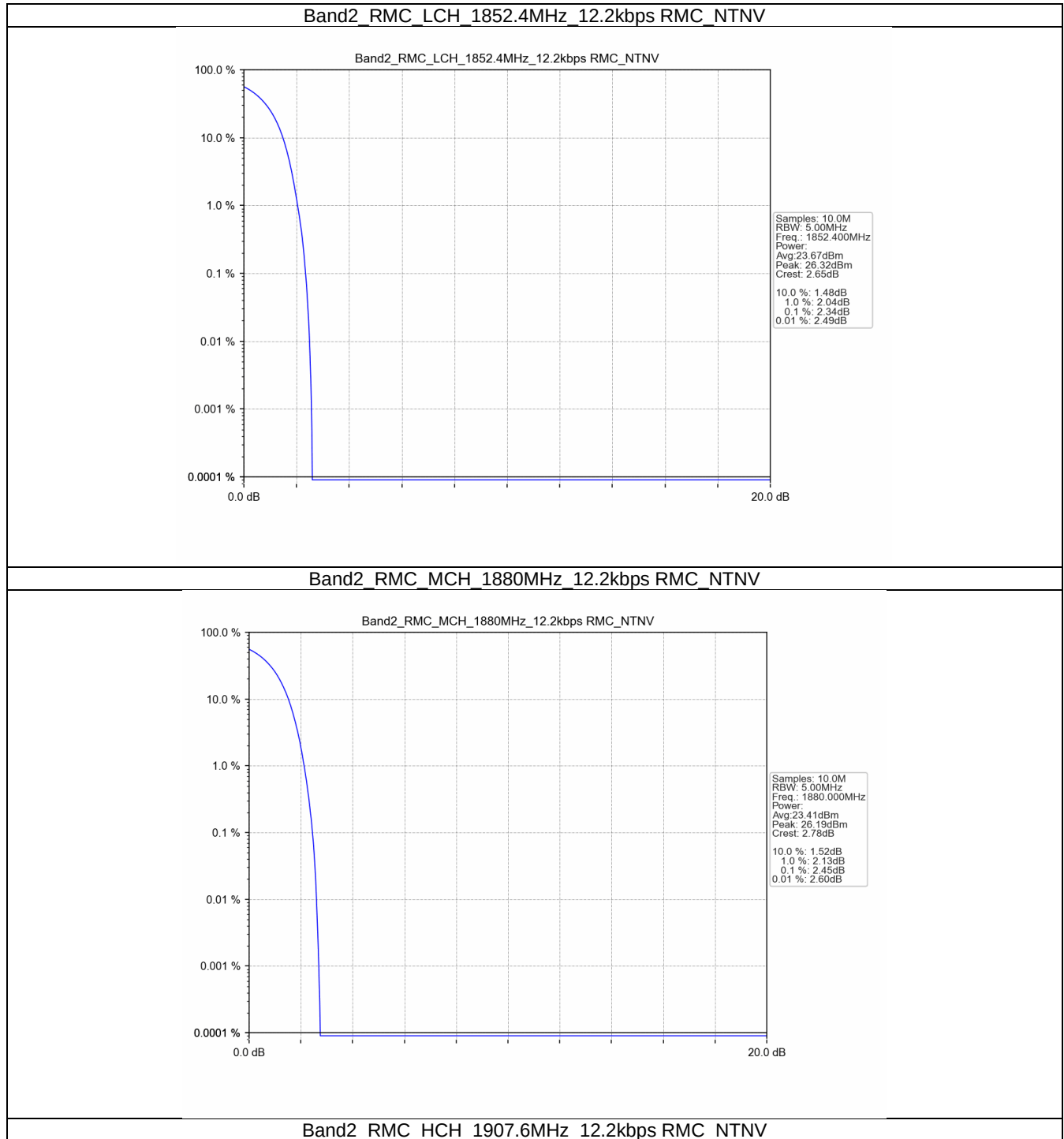
4.1 Test Result

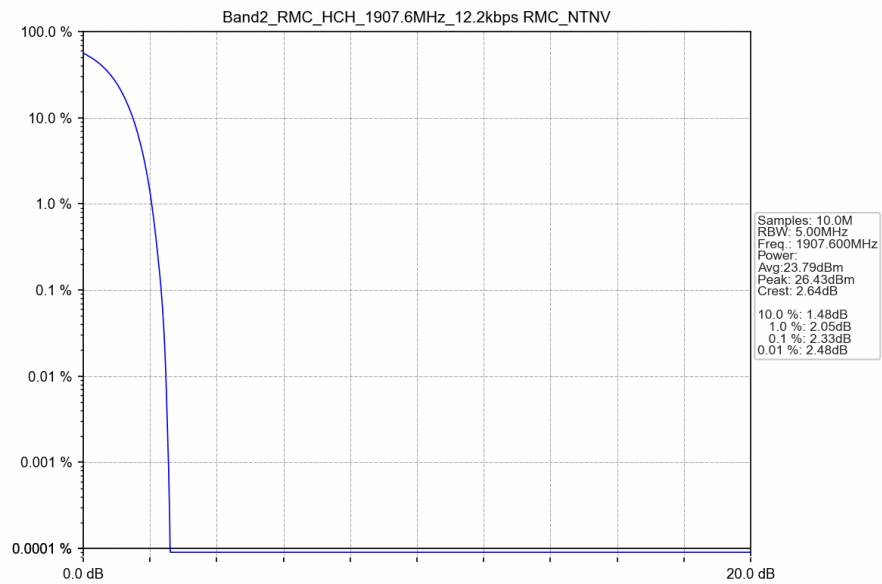
4.1.1 Band2

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	2.34	<=13	Pass
			1880	2.45	<=13	Pass
			1907.6	2.33	<=13	Pass
	HSDPA	Subtest 1	1852.4	3.54	<=13	Pass
			1880	3.64	<=13	Pass
			1907.6	3.67	<=13	Pass
	HSUPA	Subtest 1	1852.4	3.72	<=13	Pass
			1880	3.88	<=13	Pass
			1907.6	3.82	<=13	Pass

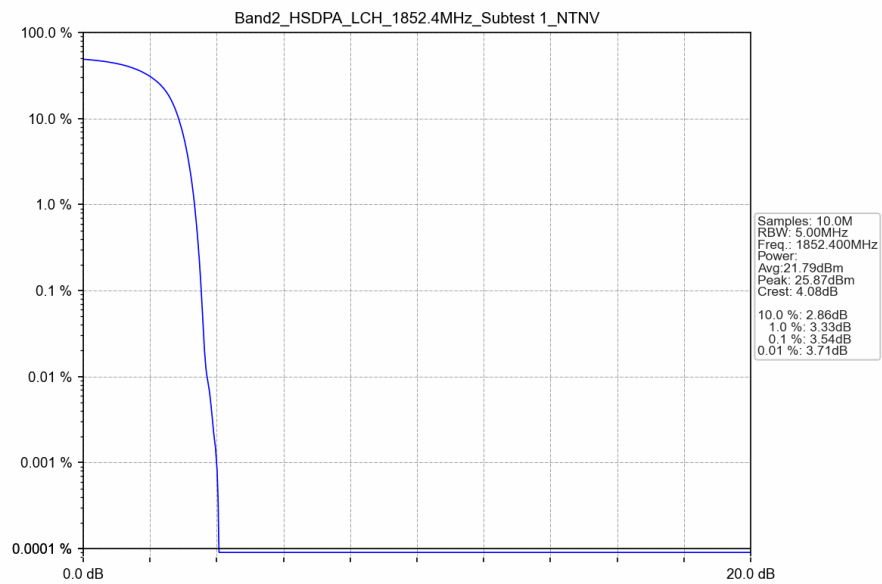
4.2 Test Graph

4.2.1 Band2

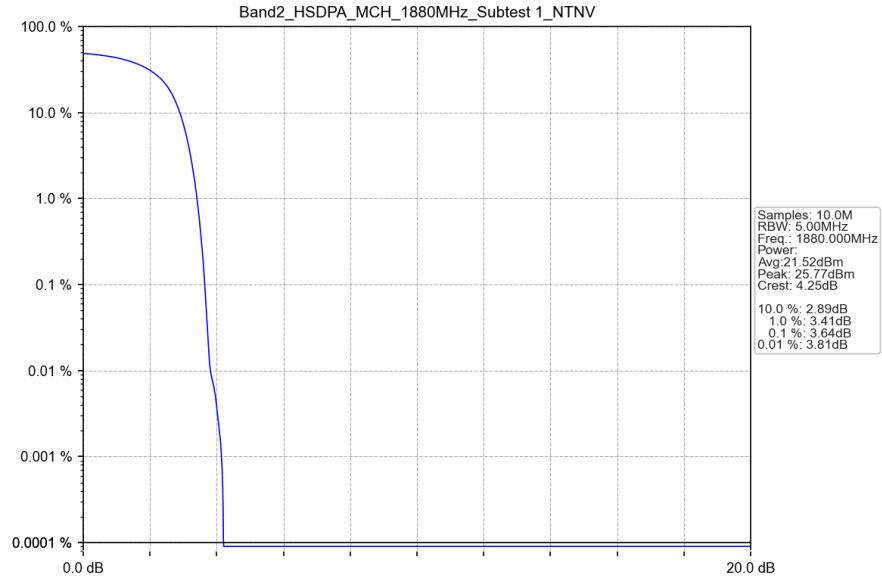




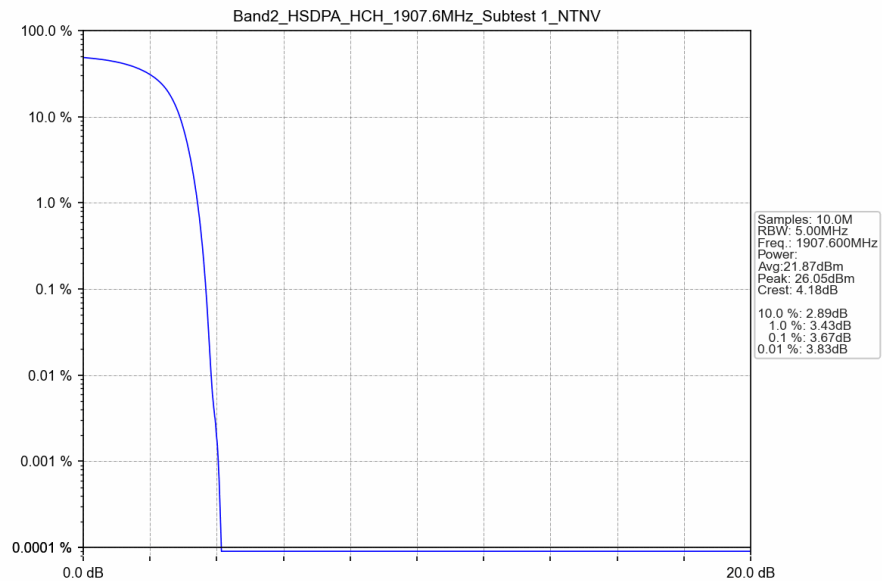
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



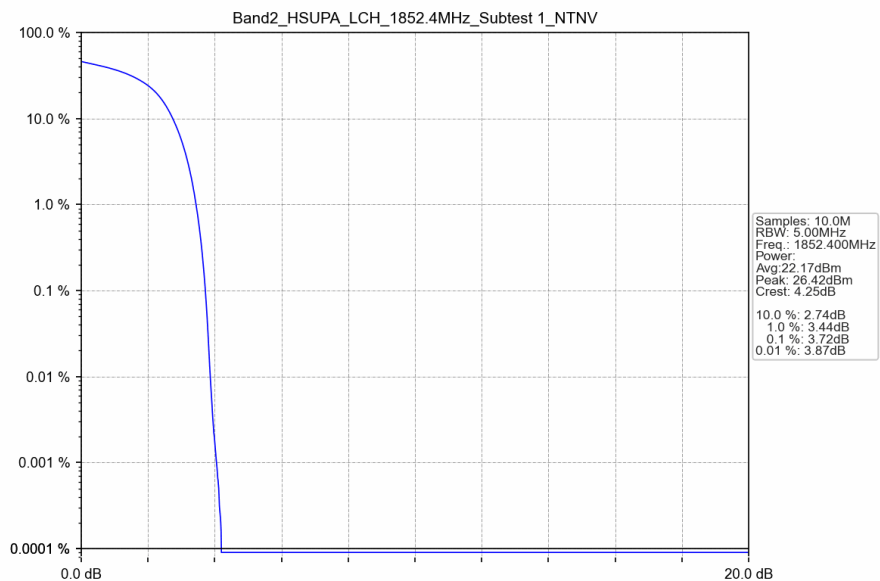
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



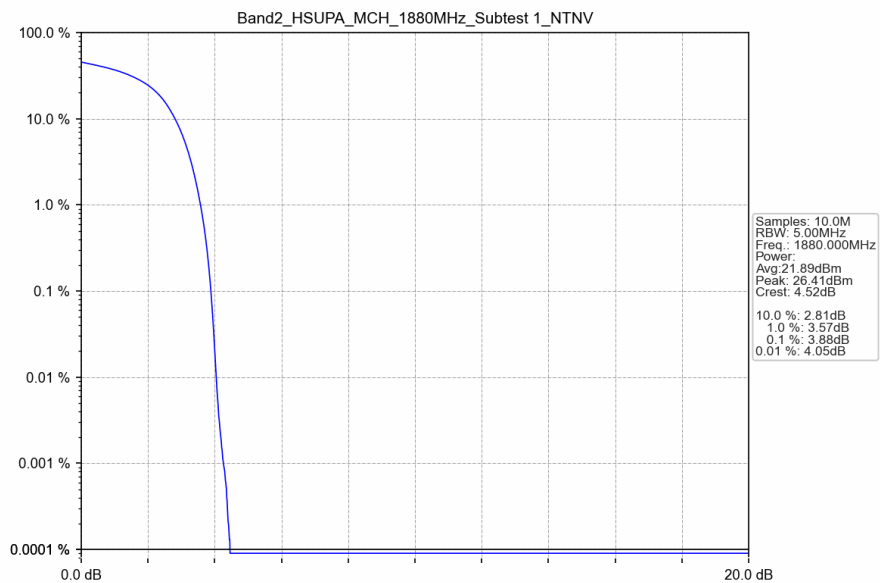
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV

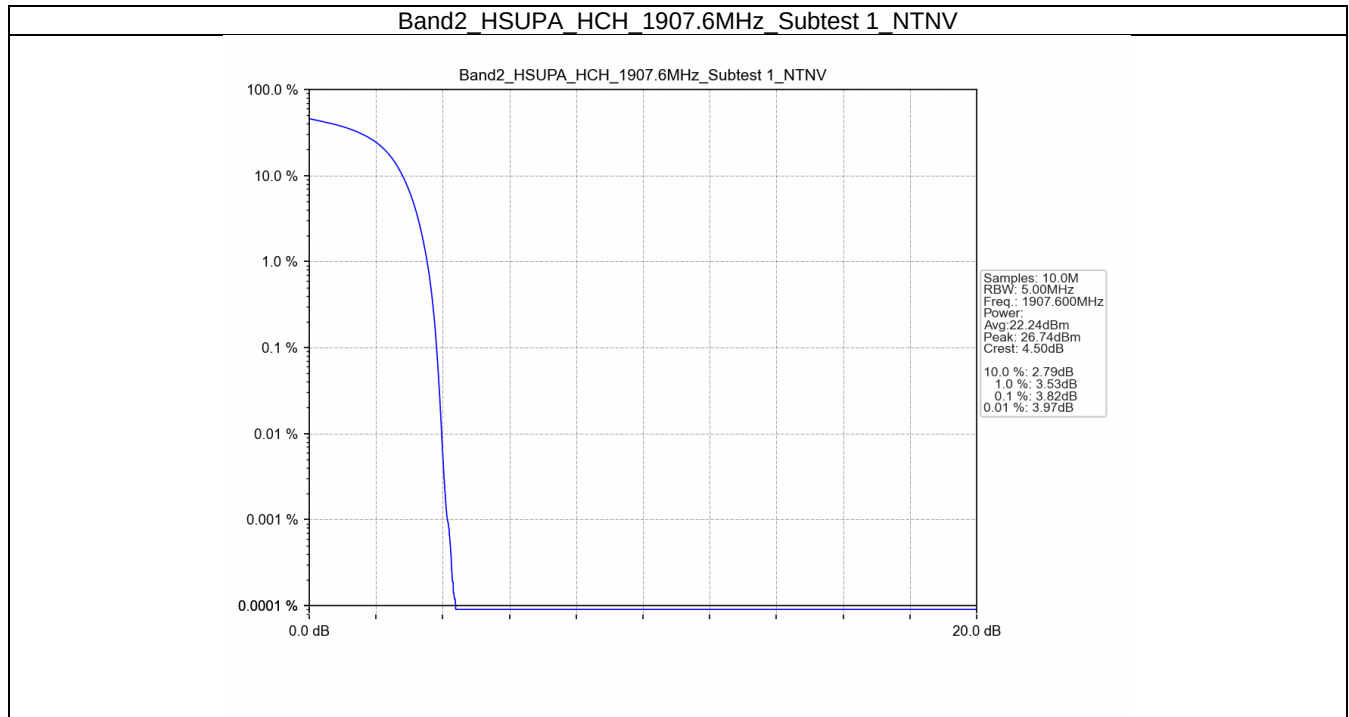


Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV





5. Spurious Emission

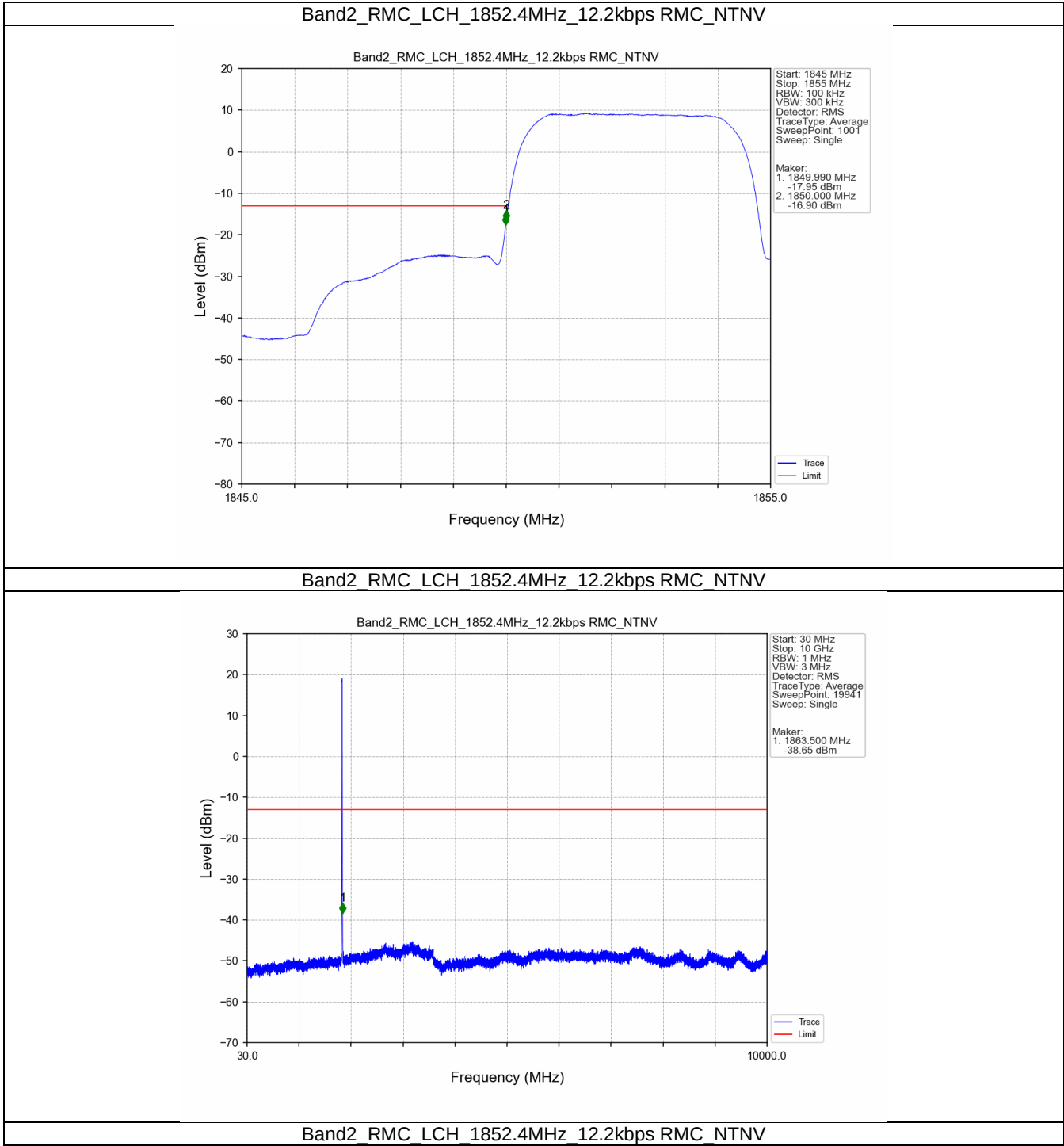
5.1 Test Result

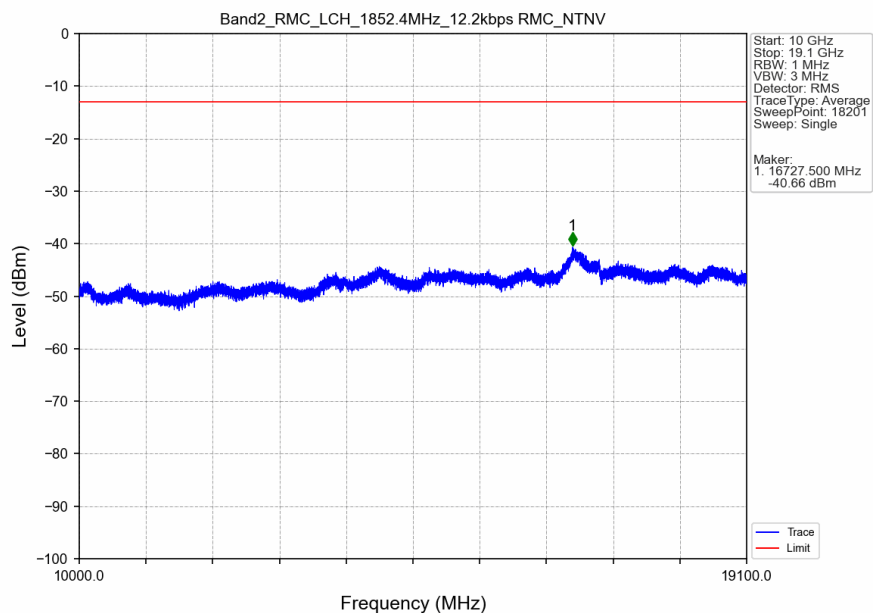
5.1.1 Band2

Band: 2						
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	

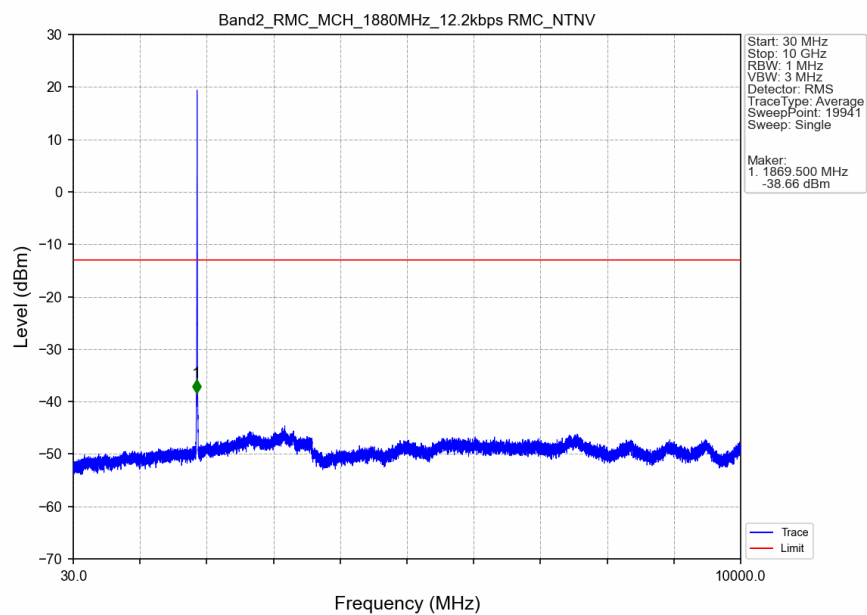
5.2 Test Graph

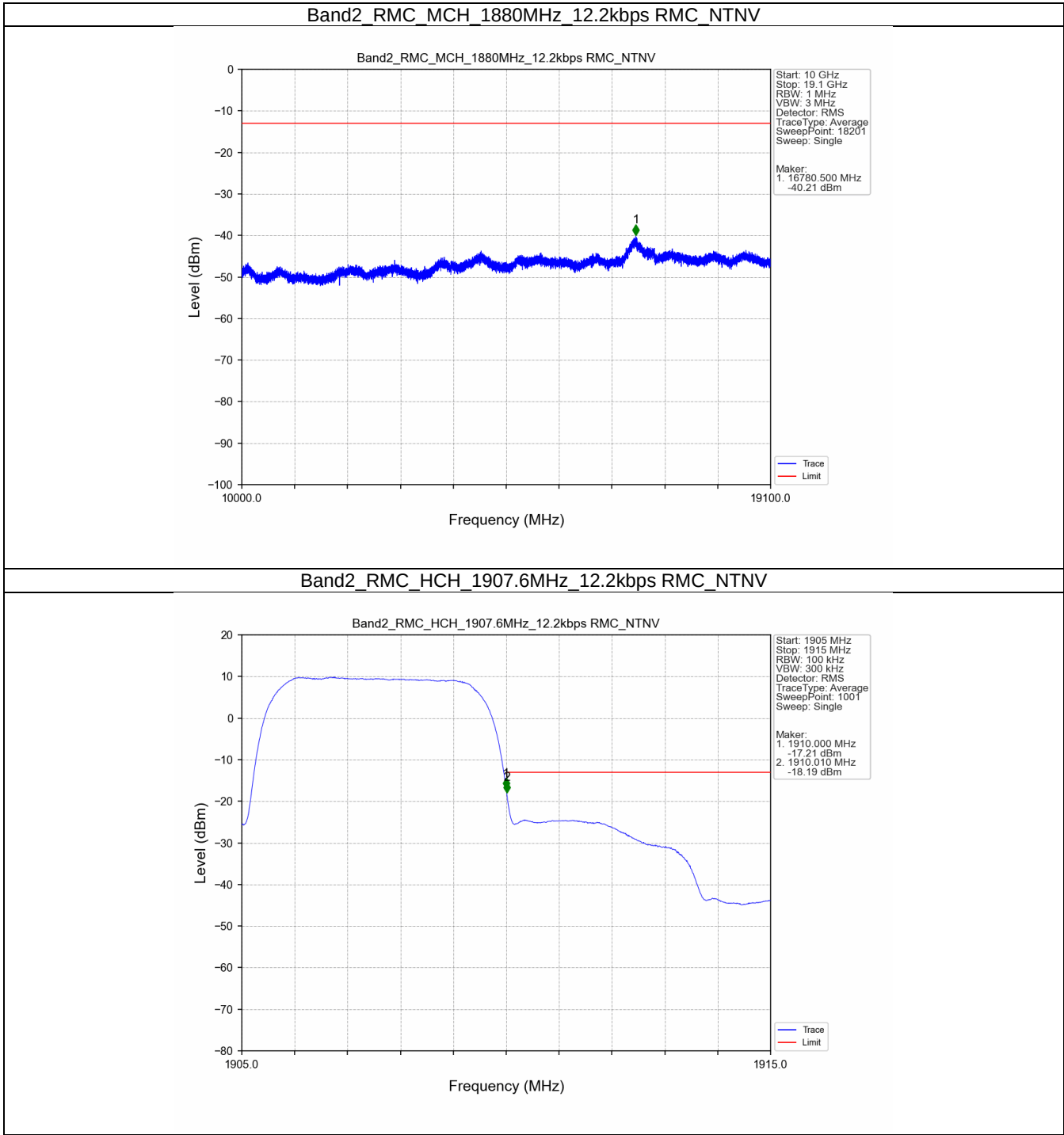
5.2.1 Band2



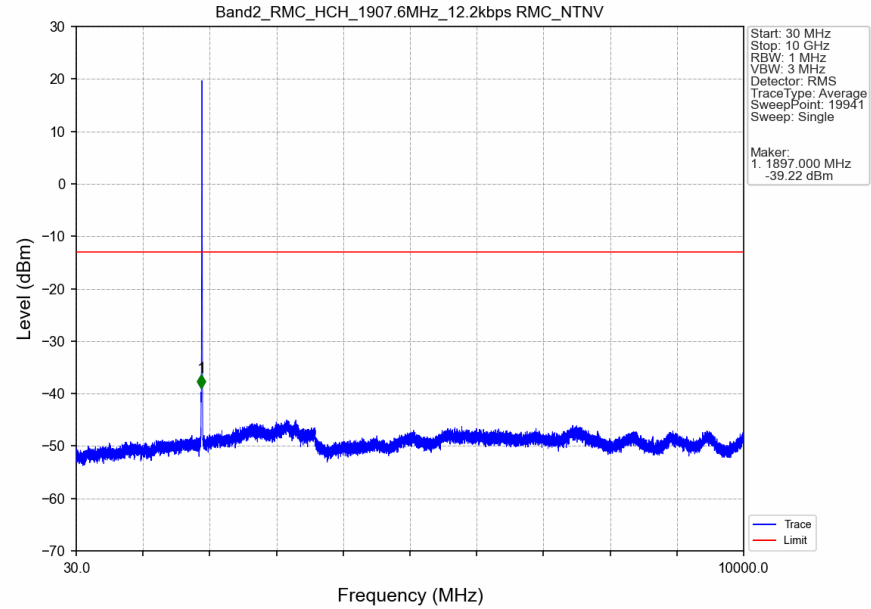


Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV

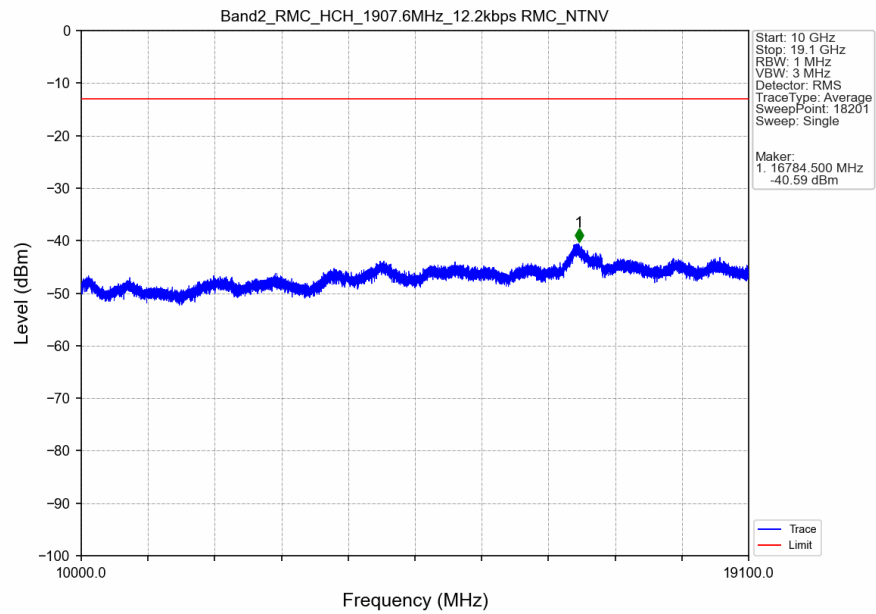




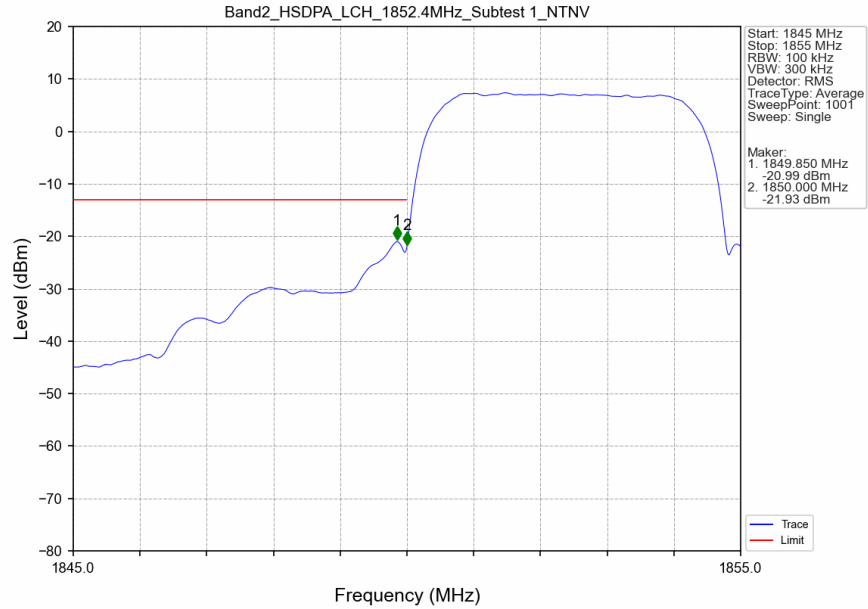
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



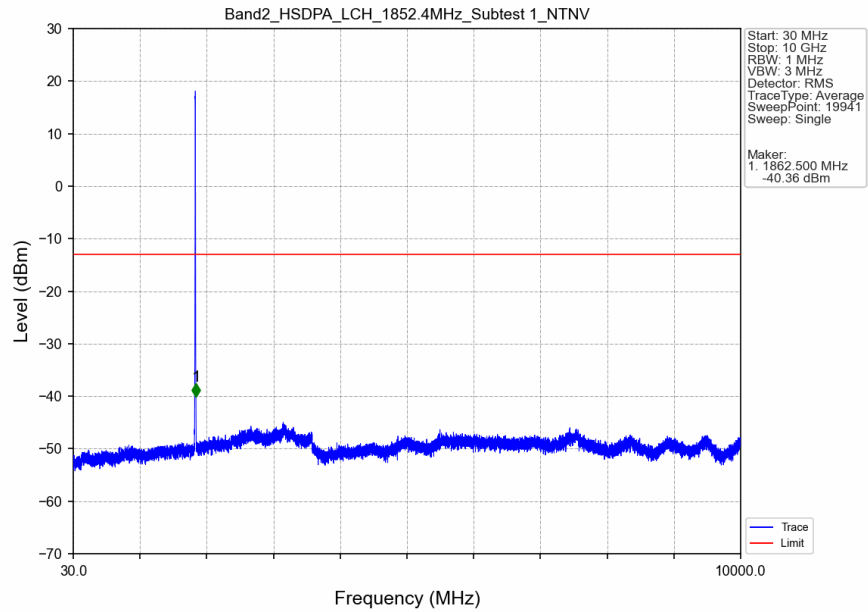
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



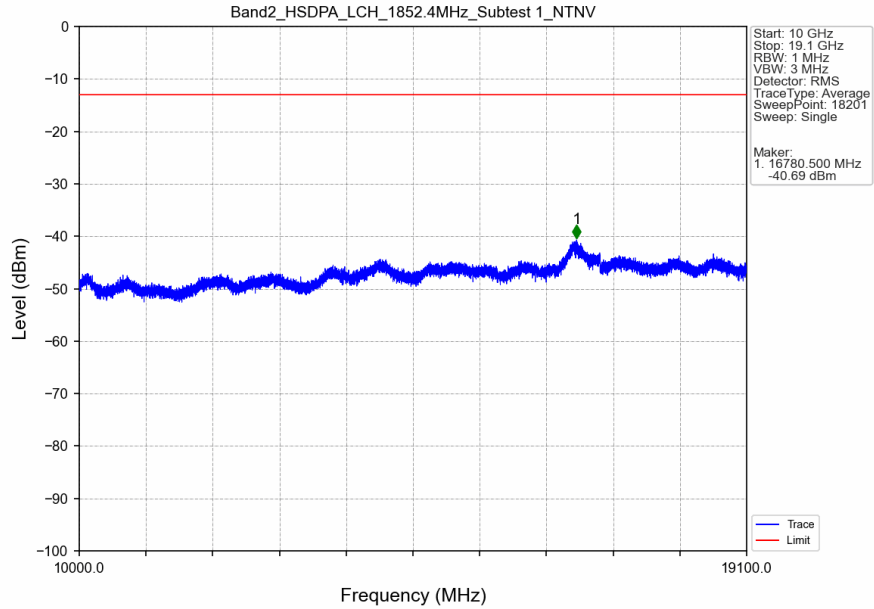
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



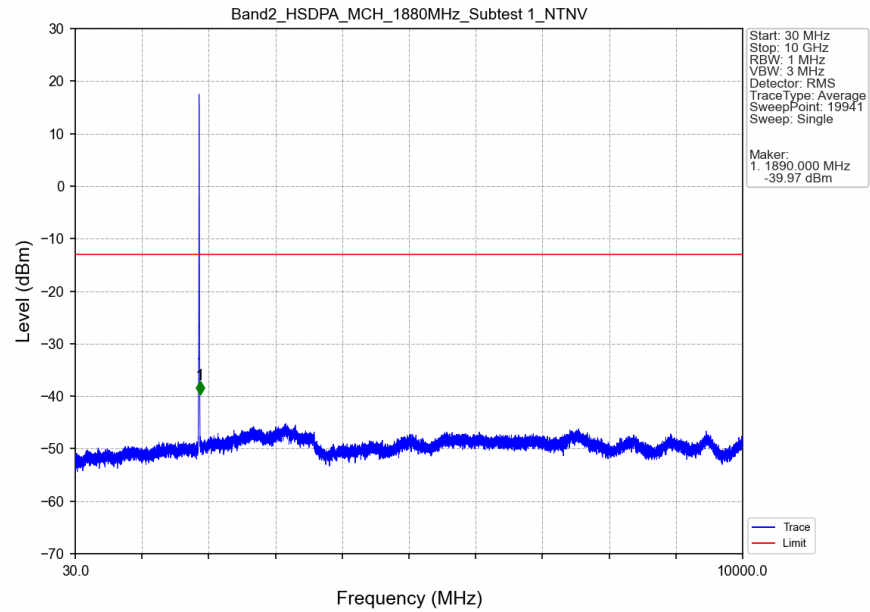
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



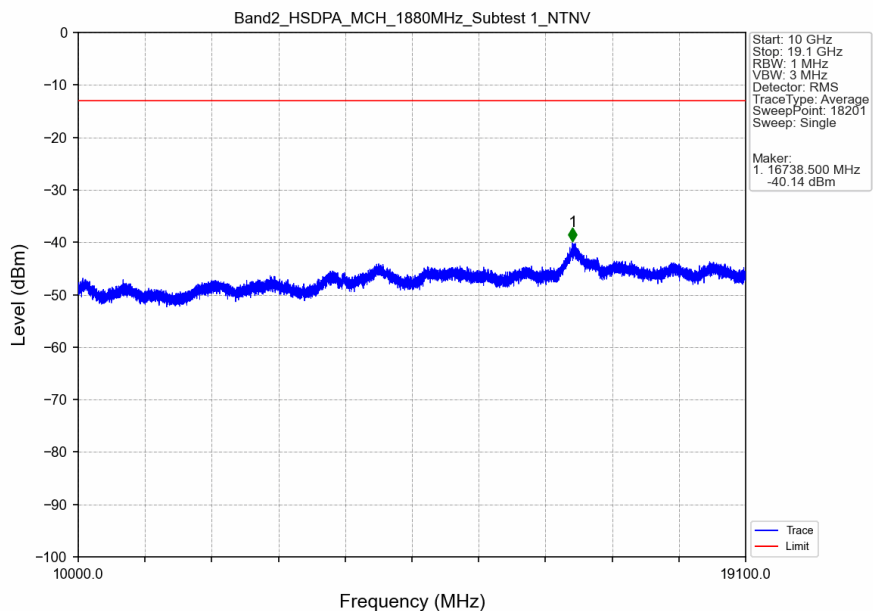
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



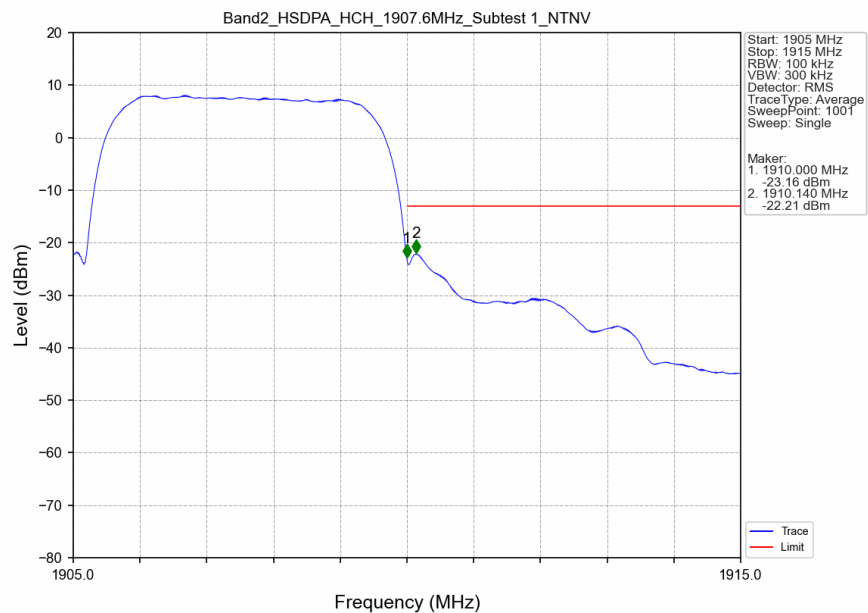
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



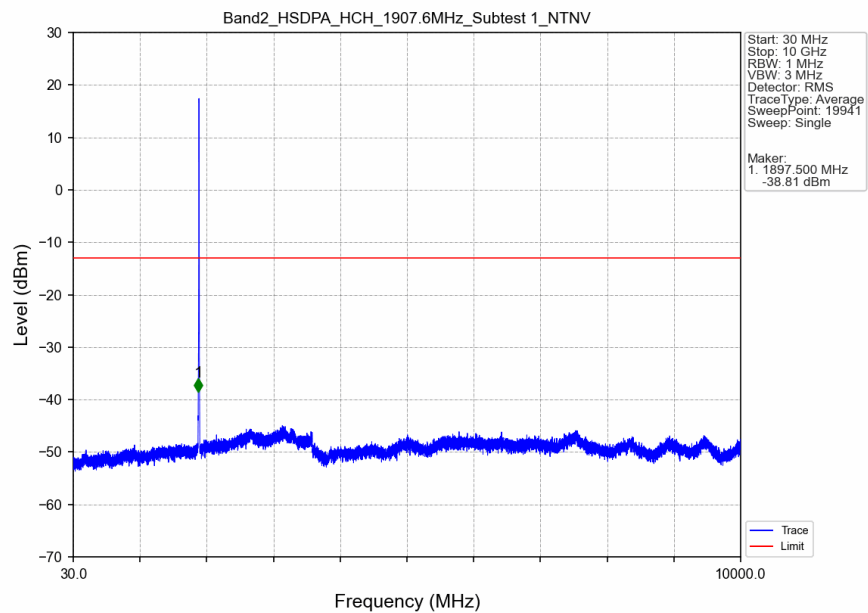
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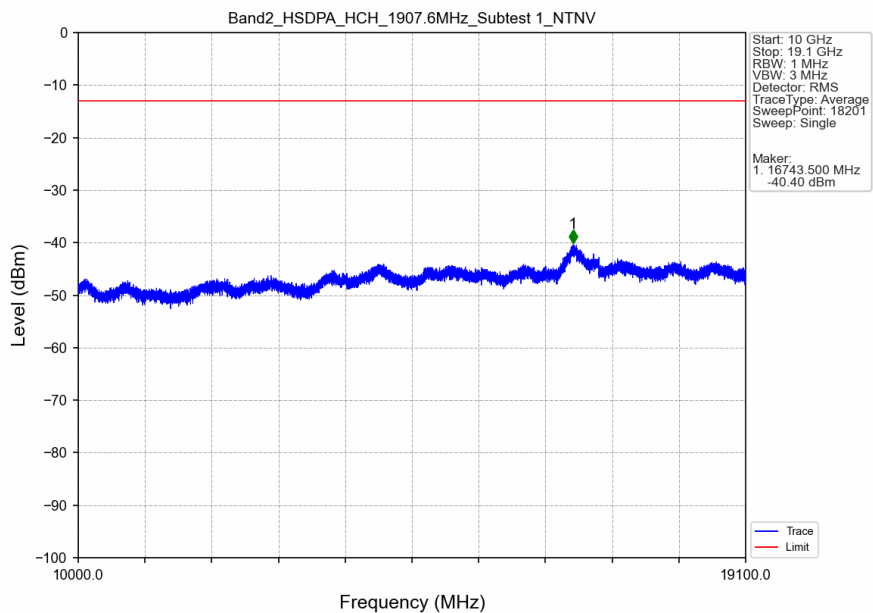
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV

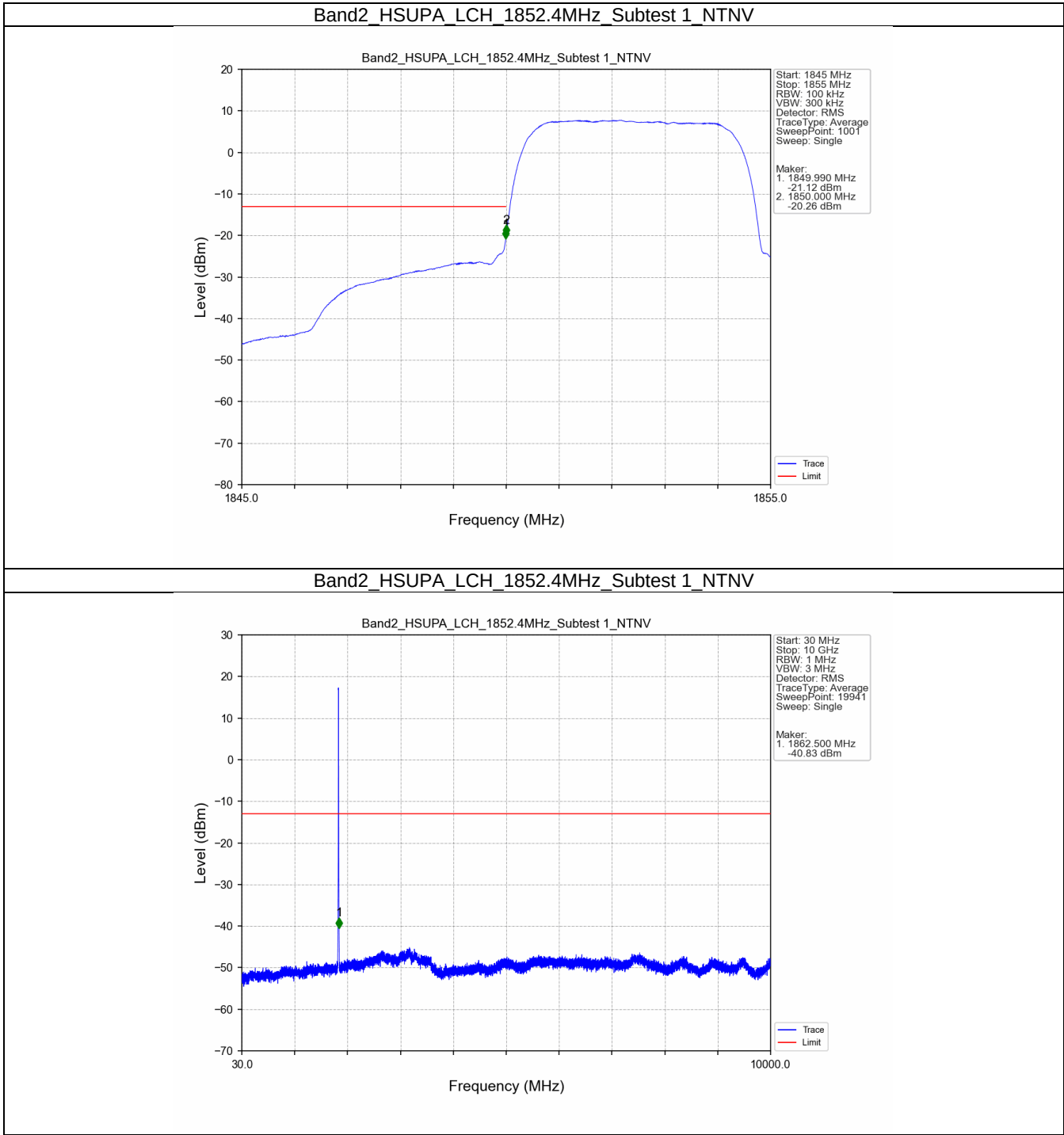


Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV

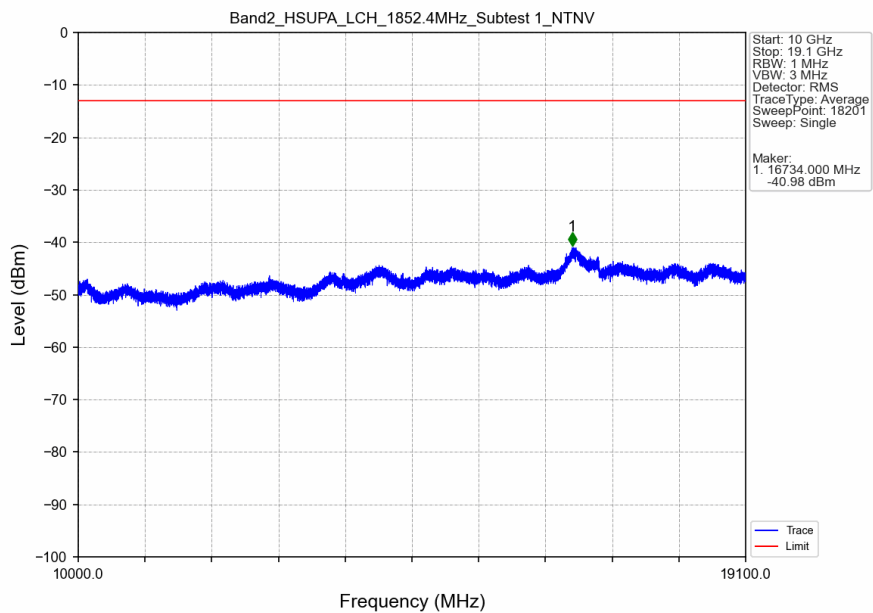


Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV

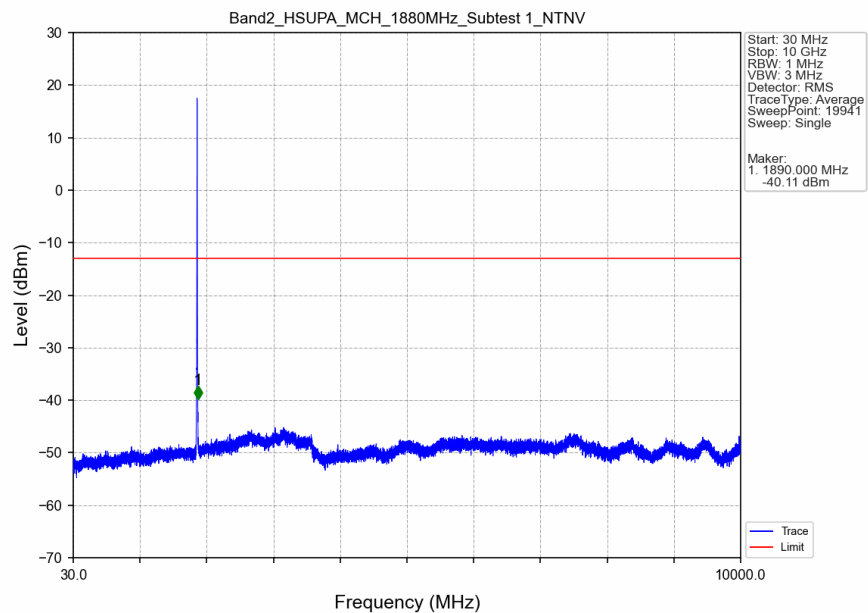


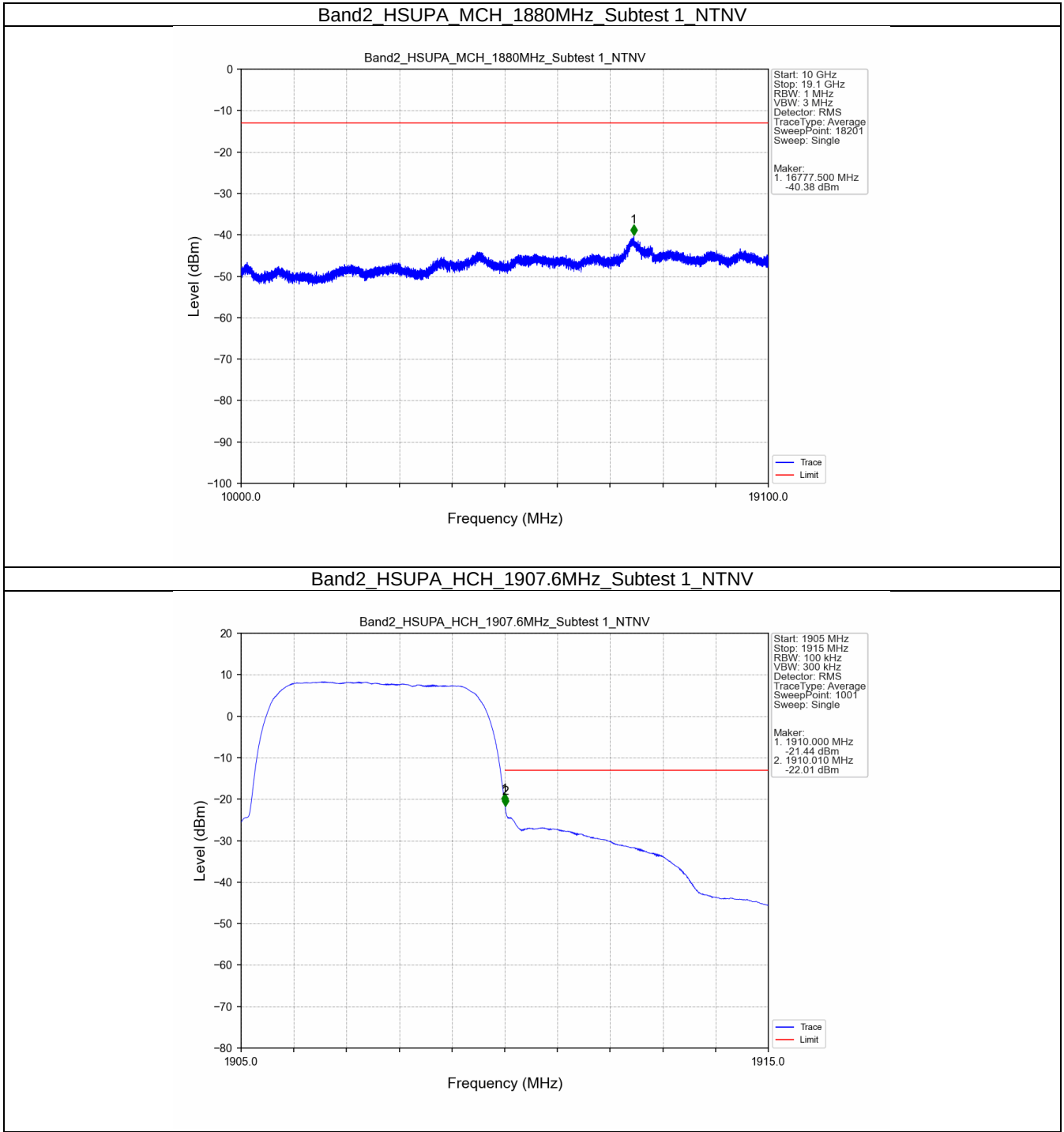


Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV

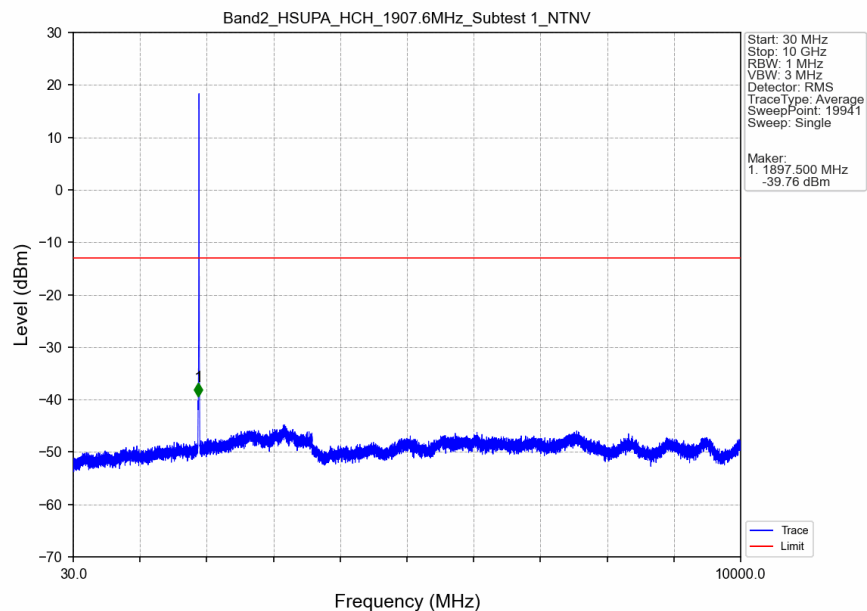


Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV





Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

