

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result_Ant2

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	23.97	-3.50	20.47	<=33.01	Pass
			1880	23.93	-3.50	20.43	<=33.01	Pass
			1907.6	24.14	-3.50	20.64	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	22.80	-3.50	19.30	<=33.01	Pass
		Subtest 2	1852.4	22.79	-3.50	19.29	<=33.01	Pass
		Subtest 3	1852.4	21.78	-3.50	18.28	<=33.01	Pass
		Subtest 4	1852.4	21.79	-3.50	18.29	<=33.01	Pass
		Subtest 1	1880	22.68	-3.50	19.18	<=33.01	Pass
		Subtest 2	1880	22.68	-3.50	19.18	<=33.01	Pass
		Subtest 3	1880	21.67	-3.50	18.17	<=33.01	Pass
		Subtest 4	1880	21.68	-3.50	18.18	<=33.01	Pass
		Subtest 1	1907.6	22.97	-3.50	19.47	<=33.01	Pass
		Subtest 2	1907.6	22.96	-3.50	19.46	<=33.01	Pass
		Subtest 3	1907.6	21.96	-3.50	18.46	<=33.01	Pass
		Subtest 4	1907.6	21.97	-3.50	18.47	<=33.01	Pass
	HSUPA	Subtest 1	1852.4	20.96	-3.50	17.46	<=33.01	Pass
		Subtest 2	1852.4	20.21	-3.50	16.71	<=33.01	Pass
		Subtest 3	1852.4	21.21	-3.50	17.71	<=33.01	Pass
		Subtest 4	1852.4	21.77	-3.50	18.27	<=33.01	Pass
		Subtest 5	1852.4	21.37	-3.50	17.87	<=33.01	Pass
		Subtest 1	1880	20.89	-3.50	17.39	<=33.01	Pass
		Subtest 2	1880	20.68	-3.50	17.18	<=33.01	Pass
		Subtest 3	1880	21.48	-3.50	17.98	<=33.01	Pass
		Subtest 4	1880	21.36	-3.50	17.86	<=33.01	Pass
		Subtest 5	1880	21.27	-3.50	17.77	<=33.01	Pass
		Subtest 1	1907.6	20.24	-3.50	16.74	<=33.01	Pass
		Subtest 2	1907.6	20.39	-3.50	16.89	<=33.01	Pass
		Subtest 3	1907.6	21.64	-3.50	18.14	<=33.01	Pass
		Subtest 4	1907.6	21.24	-3.50	17.74	<=33.01	Pass
		Subtest 5	1907.6	21.43	-3.50	17.93	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.2 Test Result_Ant1

1.2.1 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	23.64	-2.00	21.64	<=33.01	Pass
			1880	23.30	-2.00	21.30	<=33.01	Pass
			1907.6	23.52	-2.00	21.52	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	21.47	-2.00	19.47	<=33.01	Pass
		Subtest 2	1852.4	21.46	-2.00	19.46	<=33.01	Pass
		Subtest 3	1852.4	21.47	-2.00	19.47	<=33.01	Pass
		Subtest 4	1852.4	21.46	-2.00	19.46	<=33.01	Pass
		Subtest 1	1880	21.38	-2.00	19.38	<=33.01	Pass
		Subtest 2	1880	21.37	-2.00	19.37	<=33.01	Pass
		Subtest 3	1880	21.27	-2.00	19.27	<=33.01	Pass
		Subtest 4	1880	21.28	-2.00	19.28	<=33.01	Pass
		Subtest 1	1907.6	21.33	-2.00	19.33	<=33.01	Pass

		Subtest 2	1907.6	21.33	-2.00	19.33	<=33.01	Pass
		Subtest 3	1907.6	21.32	-2.00	19.32	<=33.01	Pass
		Subtest 4	1907.6	21.33	-2.00	19.33	<=33.01	Pass
	HSUPA	Subtest 1	1852.4	20.36	-2.00	18.36	<=33.01	Pass
		Subtest 2	1852.4	20.36	-2.00	18.36	<=33.01	Pass
		Subtest 3	1852.4	20.73	-2.00	18.73	<=33.01	Pass
		Subtest 4	1852.4	20.86	-2.00	18.86	<=33.01	Pass
		Subtest 5	1852.4	20.78	-2.00	18.78	<=33.01	Pass
		Subtest 1	1880	20.11	-2.00	18.11	<=33.01	Pass
		Subtest 2	1880	20.05	-2.00	18.05	<=33.01	Pass
		Subtest 3	1880	20.74	-2.00	18.74	<=33.01	Pass
		Subtest 4	1880	20.55	-2.00	18.55	<=33.01	Pass
		Subtest 5	1880	20.82	-2.00	18.82	<=33.01	Pass
		Subtest 1	1907.6	20.19	-2.00	18.19	<=33.01	Pass
		Subtest 2	1907.6	20.21	-2.00	18.21	<=33.01	Pass
		Subtest 3	1907.6	20.88	-2.00	18.88	<=33.01	Pass
		Subtest 4	1907.6	20.69	-2.00	18.69	<=33.01	Pass
		Subtest 5	1907.6	20.82	-2.00	18.82	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result_Ant2

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	2.623	0.0014	-2.5 to 2.5	Pass
			NV	0.995	0.0005	-2.5 to 2.5	Pass
			HV	-0.014	0.0000	-2.5 to 2.5	Pass
		-30	NV	0.306	0.0002	-2.5 to 2.5	Pass
		-20	NV	0.962	0.0005	-2.5 to 2.5	Pass
		-10	NV	0.941	0.0005	-2.5 to 2.5	Pass
		0	NV	1.849	0.0010	-2.5 to 2.5	Pass
		10	NV	1.170	0.0006	-2.5 to 2.5	Pass
		30	NV	3.650	0.0020	-2.5 to 2.5	Pass
		40	NV	2.794	0.0015	-2.5 to 2.5	Pass
		50	NV	1.185	0.0006	-2.5 to 2.5	Pass
	1880	20	LV	2.461	0.0013	-2.5 to 2.5	Pass
			NV	3.803	0.0020	-2.5 to 2.5	Pass
			HV	0.915	0.0005	-2.5 to 2.5	Pass
		-30	NV	2.392	0.0013	-2.5 to 2.5	Pass
		-20	NV	7.131	0.0038	-2.5 to 2.5	Pass
		-10	NV	1.845	0.0010	-2.5 to 2.5	Pass
		0	NV	3.924	0.0021	-2.5 to 2.5	Pass
		10	NV	0.761	0.0004	-2.5 to 2.5	Pass
		30	NV	2.331	0.0012	-2.5 to 2.5	Pass
		40	NV	4.816	0.0026	-2.5 to 2.5	Pass
		50	NV	3.778	0.0020	-2.5 to 2.5	Pass
	1907.6	20	LV	2.230	0.0012	-2.5 to 2.5	Pass
			NV	4.284	0.0022	-2.5 to 2.5	Pass
			HV	3.400	0.0018	-2.5 to 2.5	Pass
		-30	NV	4.609	0.0024	-2.5 to 2.5	Pass
		-20	NV	2.579	0.0014	-2.5 to 2.5	Pass
		-10	NV	2.586	0.0014	-2.5 to 2.5	Pass
		0	NV	5.254	0.0028	-2.5 to 2.5	Pass
		10	NV	3.447	0.0018	-2.5 to 2.5	Pass
		30	NV	1.554	0.0008	-2.5 to 2.5	Pass
		40	NV	1.263	0.0007	-2.5 to 2.5	Pass

		50	NV	3.348	0.0018	-2.5 to 2.5	Pass
HSDPA	1852.4	20	LV	-2.435	-0.0013	-2.5 to 2.5	Pass
			NV	-2.352	-0.0013	-2.5 to 2.5	Pass
			HV	-1.204	-0.0006	-2.5 to 2.5	Pass
		-30	NV	-0.677	-0.0004	-2.5 to 2.5	Pass
		-20	NV	-0.441	-0.0002	-2.5 to 2.5	Pass
		-10	NV	0.445	0.0002	-2.5 to 2.5	Pass
		0	NV	-0.358	-0.0002	-2.5 to 2.5	Pass
		10	NV	0.446	0.0002	-2.5 to 2.5	Pass
		30	NV	1.132	0.0006	-2.5 to 2.5	Pass
		40	NV	2.309	0.0012	-2.5 to 2.5	Pass
		50	NV	0.424	0.0002	-2.5 to 2.5	Pass
	1880	20	LV	2.156	0.0011	-2.5 to 2.5	Pass
			NV	2.100	0.0011	-2.5 to 2.5	Pass
			HV	1.429	0.0008	-2.5 to 2.5	Pass
		-30	NV	3.092	0.0016	-2.5 to 2.5	Pass
		-20	NV	3.299	0.0018	-2.5 to 2.5	Pass
		-10	NV	3.175	0.0017	-2.5 to 2.5	Pass
		0	NV	1.032	0.0005	-2.5 to 2.5	Pass
		10	NV	2.421	0.0013	-2.5 to 2.5	Pass
		30	NV	2.421	0.0013	-2.5 to 2.5	Pass
		40	NV	2.354	0.0013	-2.5 to 2.5	Pass
		50	NV	0.716	0.0004	-2.5 to 2.5	Pass
	1907.6	20	LV	5.292	0.0028	-2.5 to 2.5	Pass
			NV	2.449	0.0013	-2.5 to 2.5	Pass
			HV	4.085	0.0021	-2.5 to 2.5	Pass
		-30	NV	0.035	0.0000	-2.5 to 2.5	Pass
		-20	NV	2.800	0.0015	-2.5 to 2.5	Pass
		-10	NV	-0.041	0.0000	-2.5 to 2.5	Pass
		0	NV	2.971	0.0016	-2.5 to 2.5	Pass
		10	NV	4.644	0.0024	-2.5 to 2.5	Pass
		30	NV	1.412	0.0007	-2.5 to 2.5	Pass
		40	NV	1.511	0.0008	-2.5 to 2.5	Pass
		50	NV	2.071	0.0011	-2.5 to 2.5	Pass
HSUPA	1852.4	20	LV	5.383	0.0029	-2.5 to 2.5	Pass
			NV	1.949	0.0011	-2.5 to 2.5	Pass
			HV	3.253	0.0018	-2.5 to 2.5	Pass
		-30	NV	2.005	0.0011	-2.5 to 2.5	Pass
		-20	NV	1.613	0.0009	-2.5 to 2.5	Pass
		-10	NV	2.067	0.0011	-2.5 to 2.5	Pass
		0	NV	4.281	0.0023	-2.5 to 2.5	Pass
		10	NV	0.889	0.0005	-2.5 to 2.5	Pass
		30	NV	2.491	0.0013	-2.5 to 2.5	Pass
		40	NV	1.033	0.0006	-2.5 to 2.5	Pass
		50	NV	2.049	0.0011	-2.5 to 2.5	Pass
	1880	20	LV	7.502	0.0040	-2.5 to 2.5	Pass
			NV	6.100	0.0032	-2.5 to 2.5	Pass
			HV	5.527	0.0029	-2.5 to 2.5	Pass
		-30	NV	2.162	0.0012	-2.5 to 2.5	Pass
		-20	NV	2.163	0.0012	-2.5 to 2.5	Pass
		-10	NV	7.119	0.0038	-2.5 to 2.5	Pass
		0	NV	6.327	0.0034	-2.5 to 2.5	Pass
		10	NV	2.963	0.0016	-2.5 to 2.5	Pass
		30	NV	5.113	0.0027	-2.5 to 2.5	Pass
		40	NV	2.719	0.0014	-2.5 to 2.5	Pass
		50	NV	5.553	0.0030	-2.5 to 2.5	Pass
	1907.6	20	LV	3.711	0.0019	-2.5 to 2.5	Pass
			NV	4.336	0.0023	-2.5 to 2.5	Pass
			HV	3.753	0.0020	-2.5 to 2.5	Pass
		-30	NV	5.078	0.0027	-2.5 to 2.5	Pass
		-20	NV	4.347	0.0023	-2.5 to 2.5	Pass
		-10	NV	3.068	0.0016	-2.5 to 2.5	Pass
		0	NV	1.967	0.0010	-2.5 to 2.5	Pass
		10	NV	3.542	0.0019	-2.5 to 2.5	Pass

		30	NV	5.007	0.0026	-2.5 to 2.5	Pass
		40	NV	5.360	0.0028	-2.5 to 2.5	Pass
		50	NV	3.403	0.0018	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result_Ant2

3.1.1 Band2_OBW

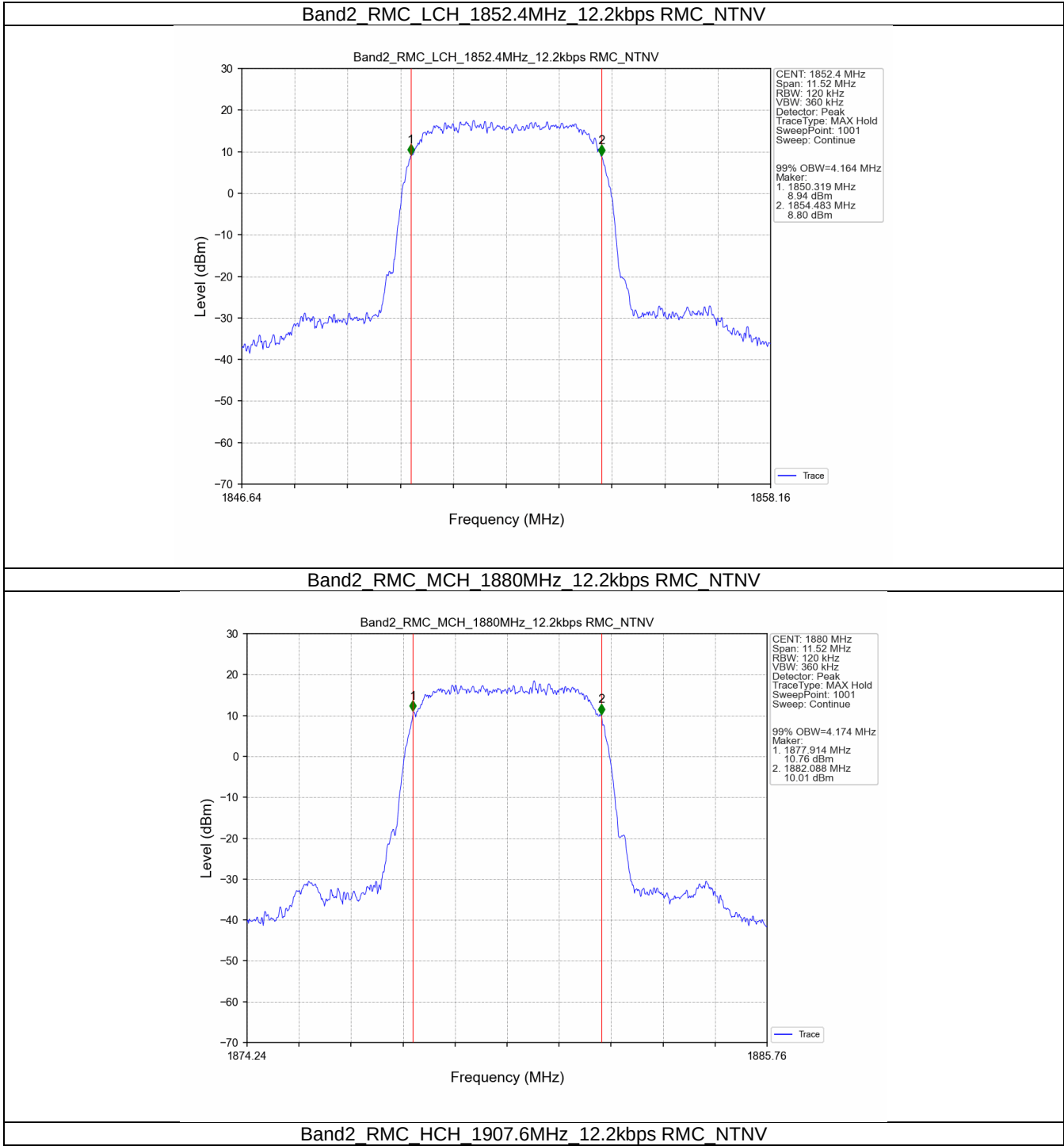
Band: 2						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.164	/	Pass
			1880	4.174	/	Pass
			1907.6	4.155	/	Pass
	HSDPA	Subtest 1	1852.4	4.160	/	Pass
			1880	4.144	/	Pass
			1907.6	4.151	/	Pass
	HSUPA	Subtest 1	1852.4	4.146	/	Pass
			1880	4.160	/	Pass
			1907.6	4.163	/	Pass

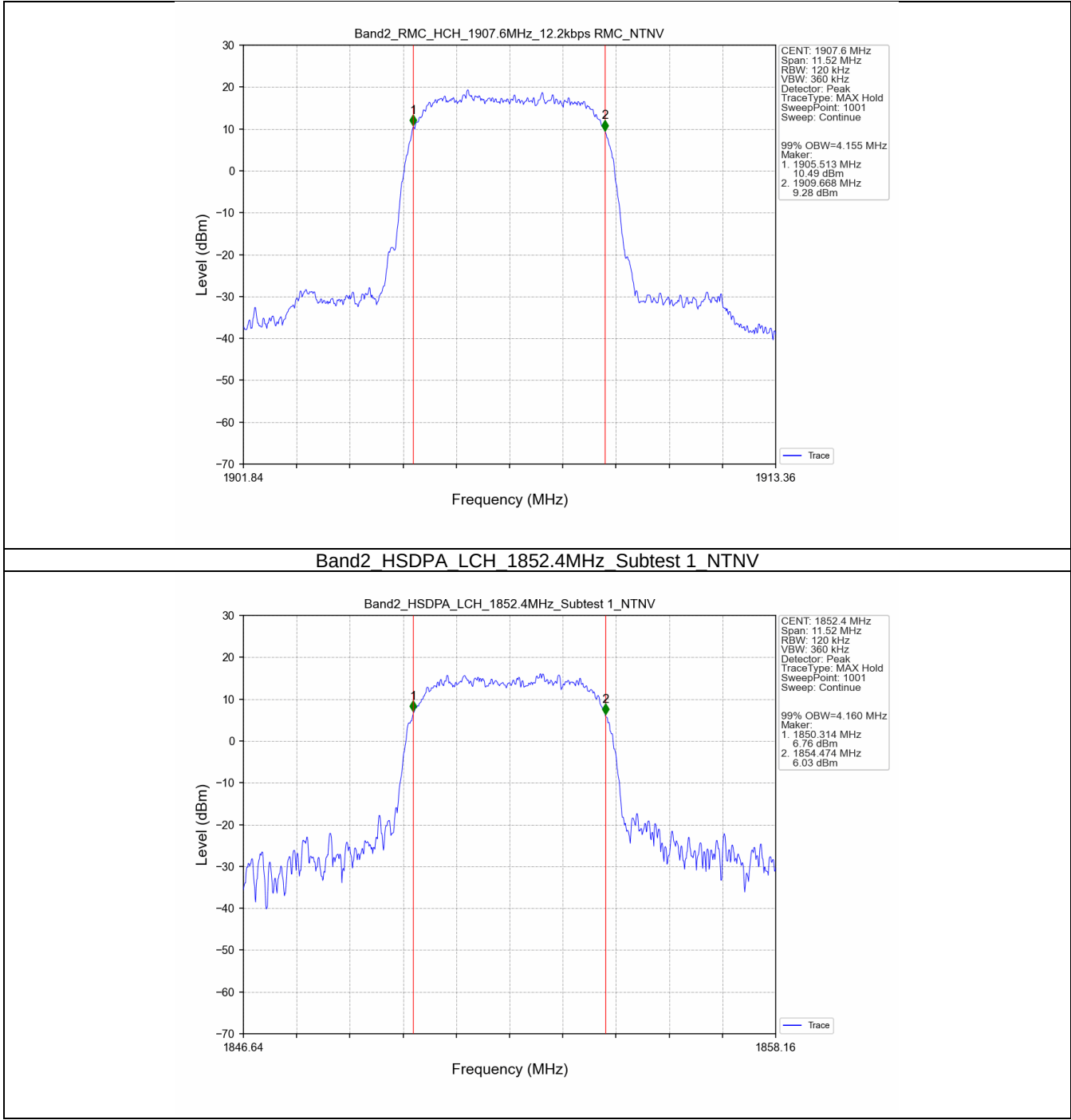
3.1.2 Band2_XDB

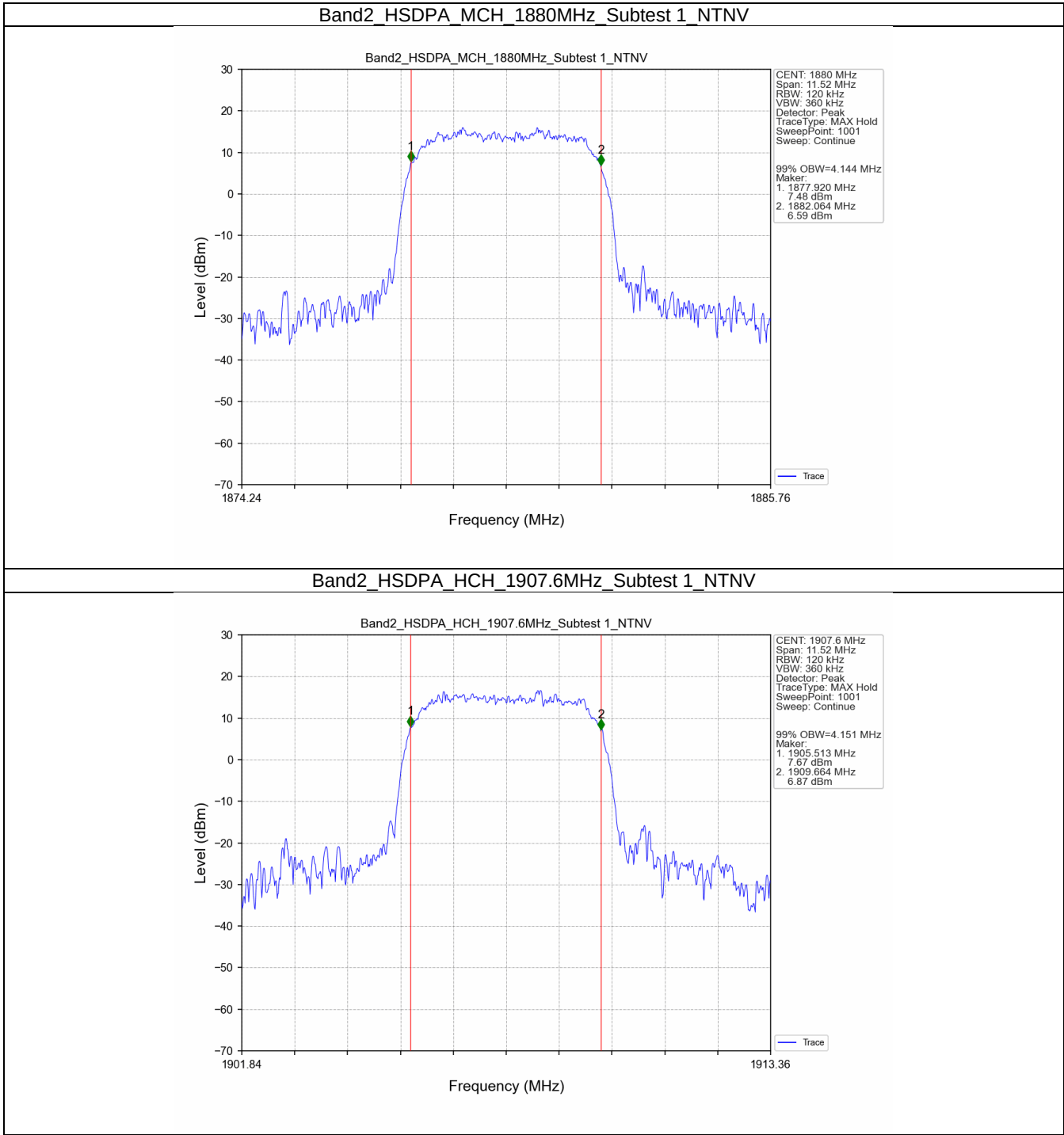
Band: 2						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.744	/	Pass
			1880	4.718	/	Pass
			1907.6	4.721	/	Pass
	HSDPA	Subtest 1	1852.4	4.744	/	Pass
			1880	4.722	/	Pass
			1907.6	4.714	/	Pass
	HSUPA	Subtest 1	1852.4	4.717	/	Pass
			1880	4.730	/	Pass
			1907.6	4.713	/	Pass

3.2 Test Graph

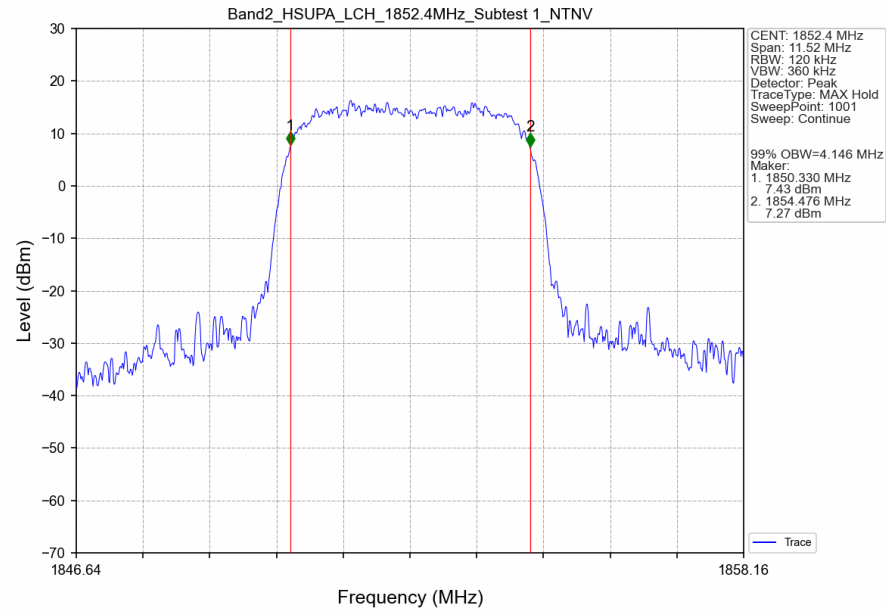
3.2.1 Band2_OBW



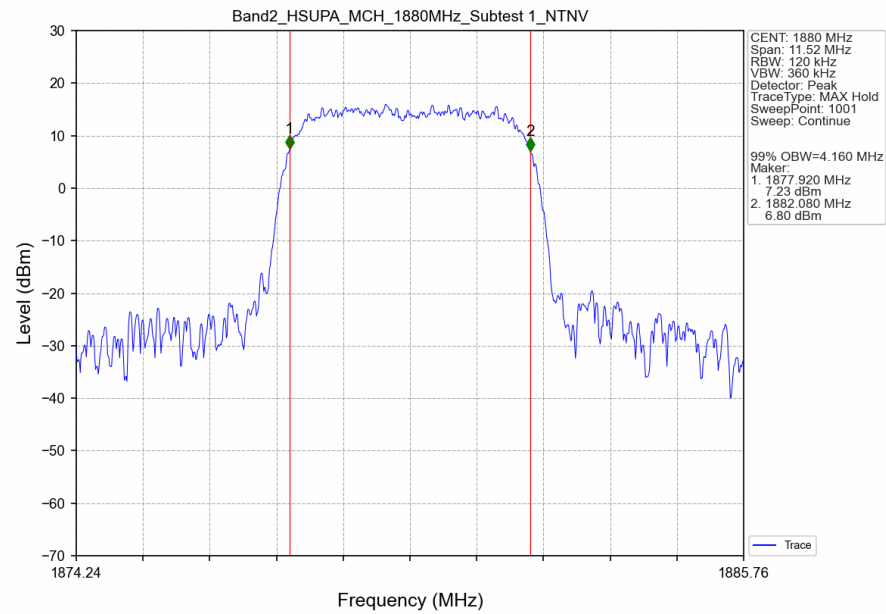


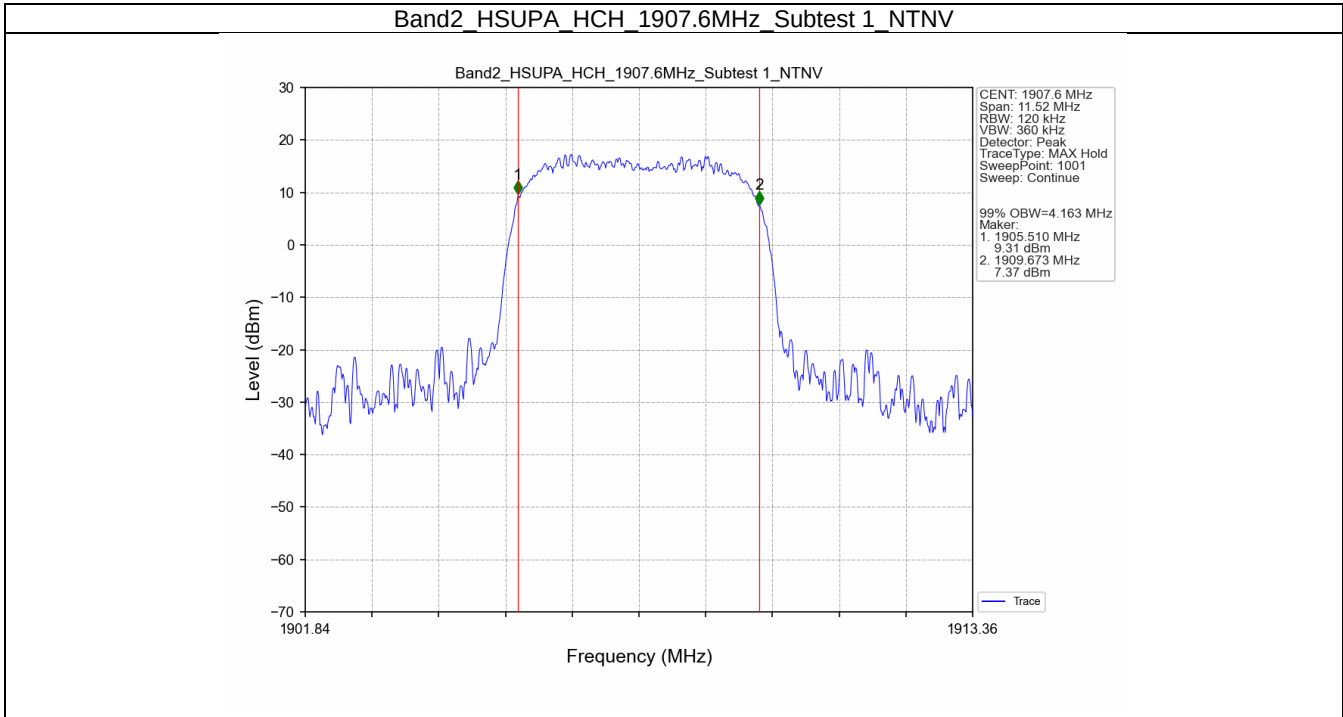


Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV

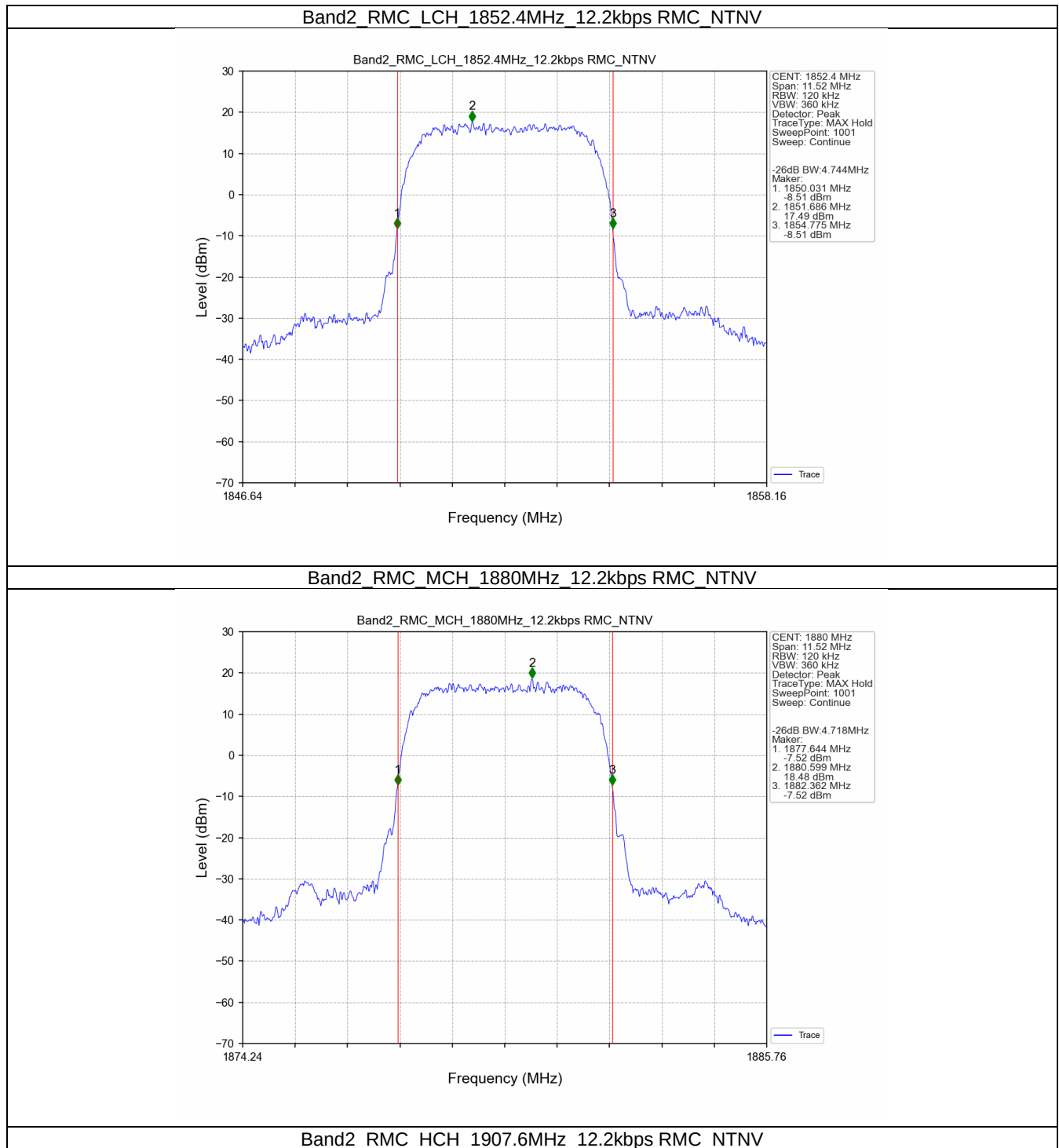


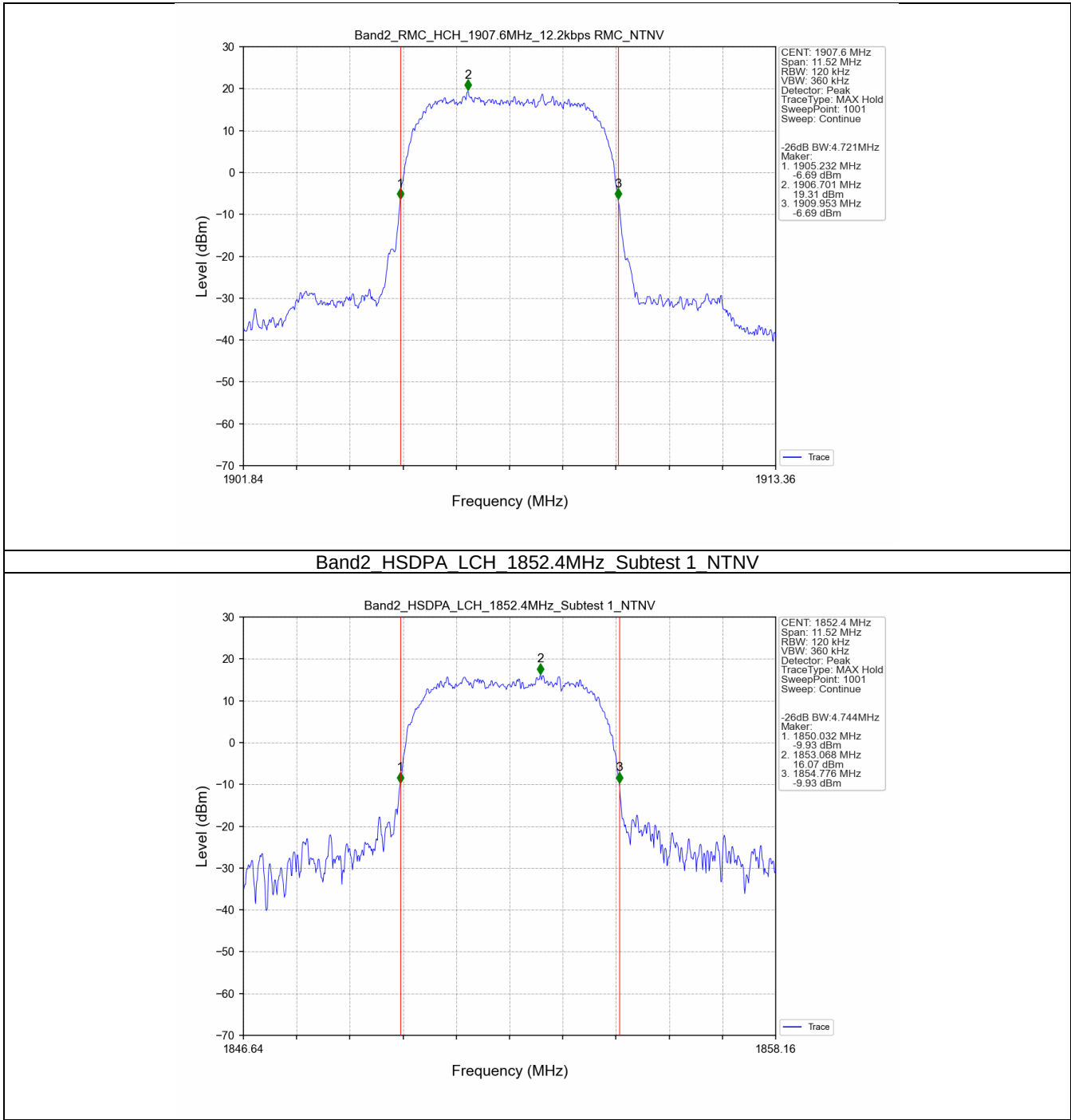
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



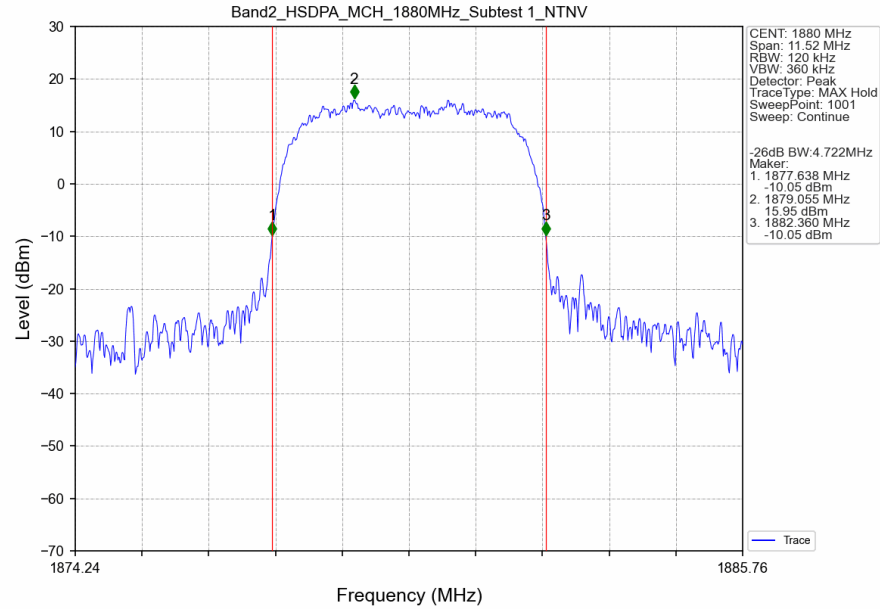


3.2.2 Band2_XDB

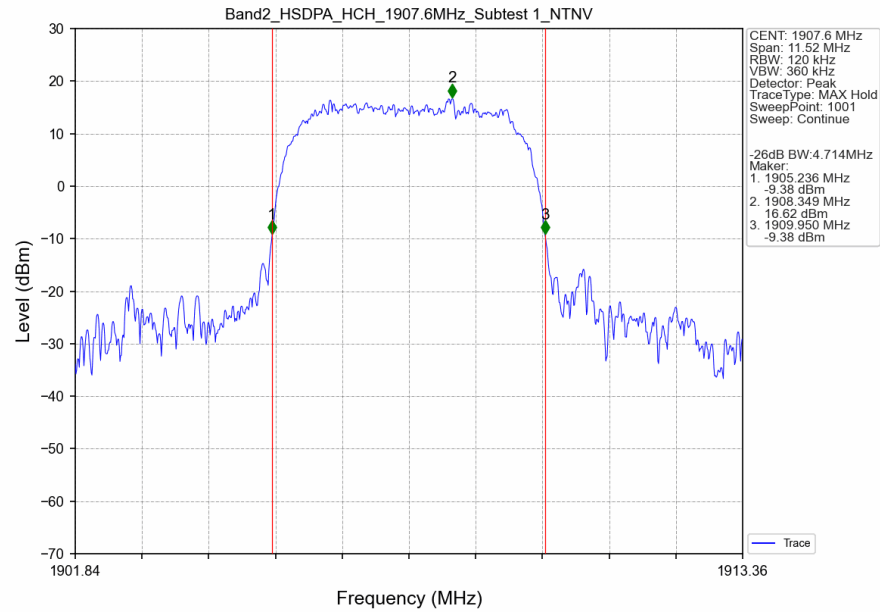




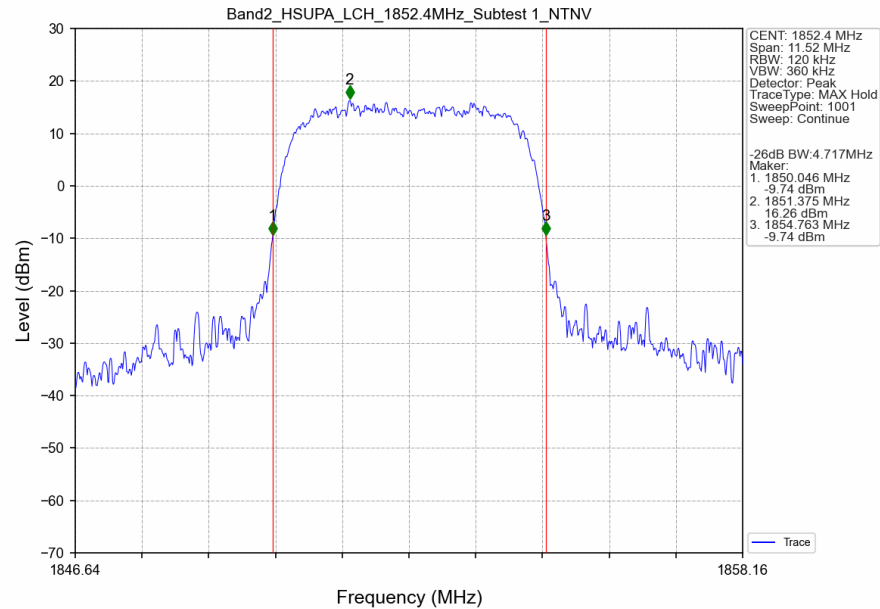
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



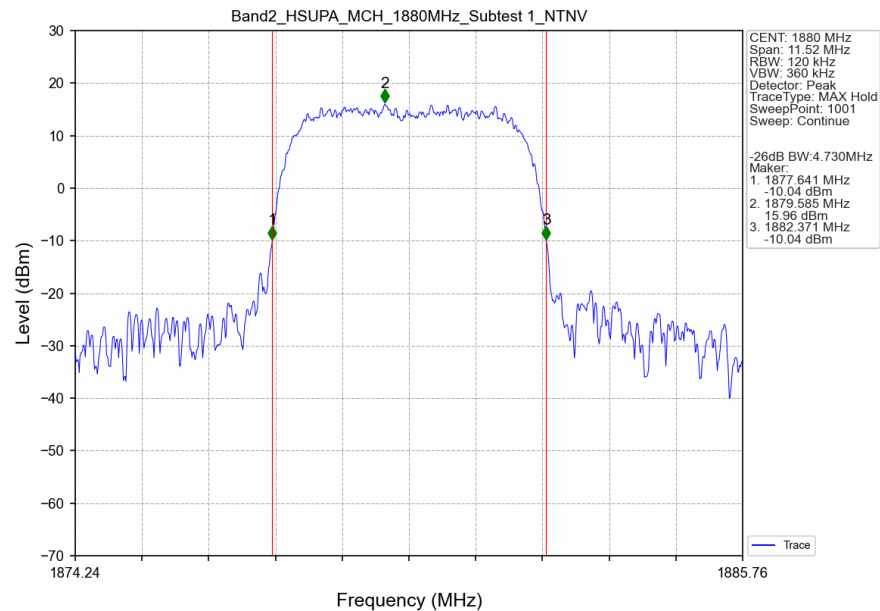
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV

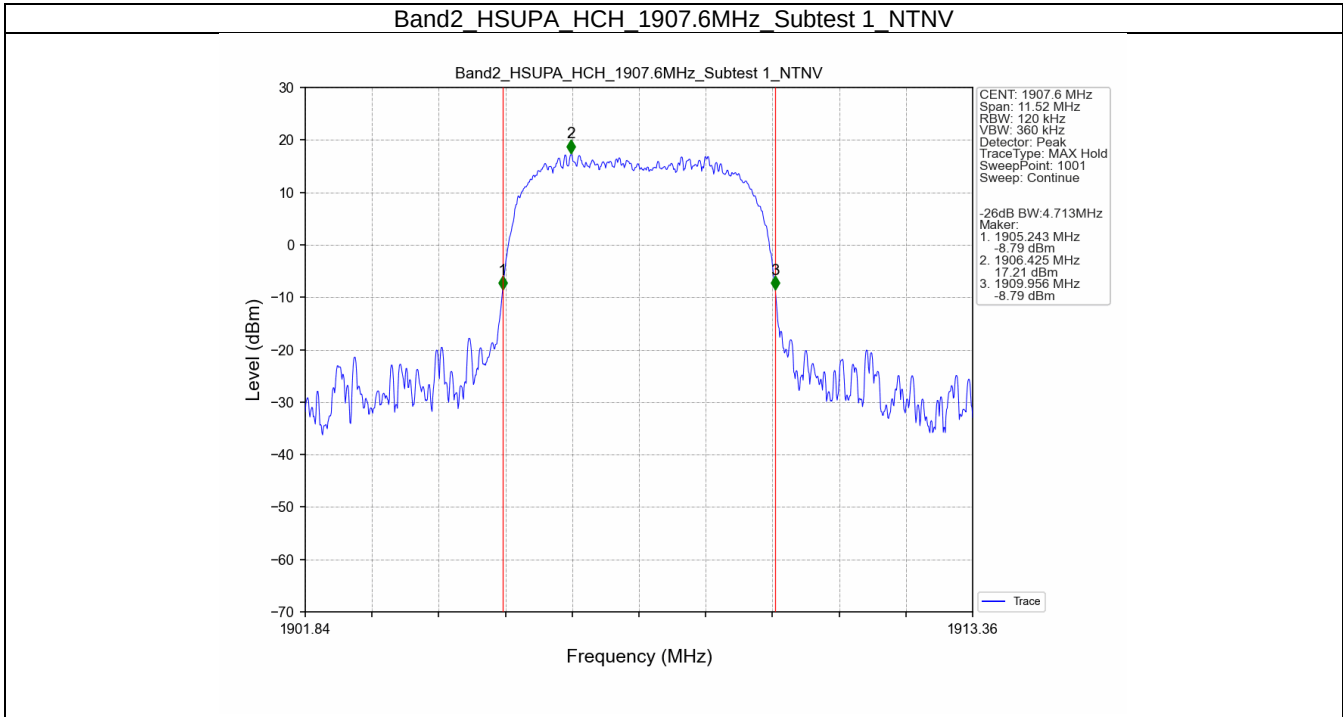


Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV





4. Peak-Average Ratio

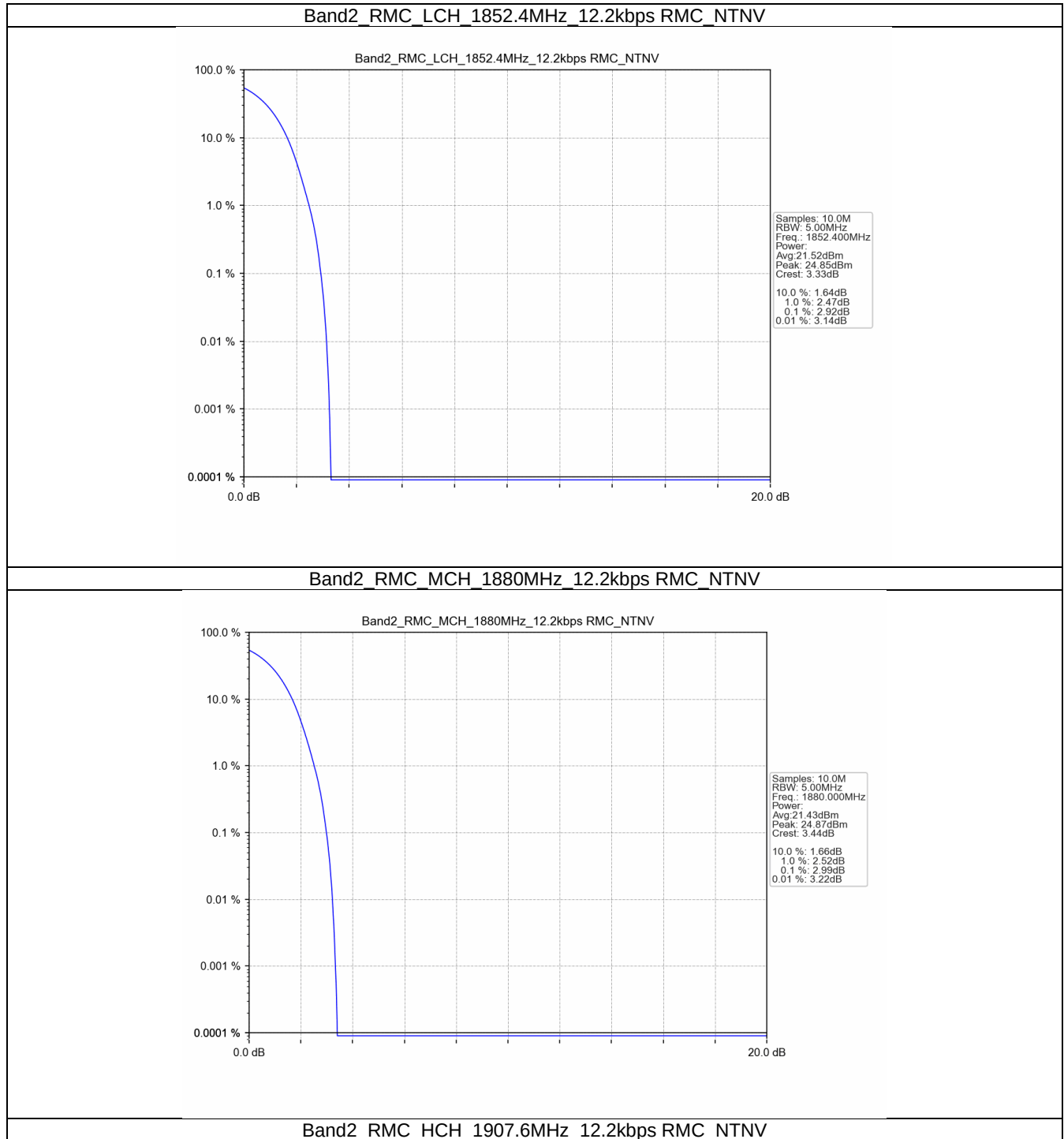
4.1 Test Result_Ant2

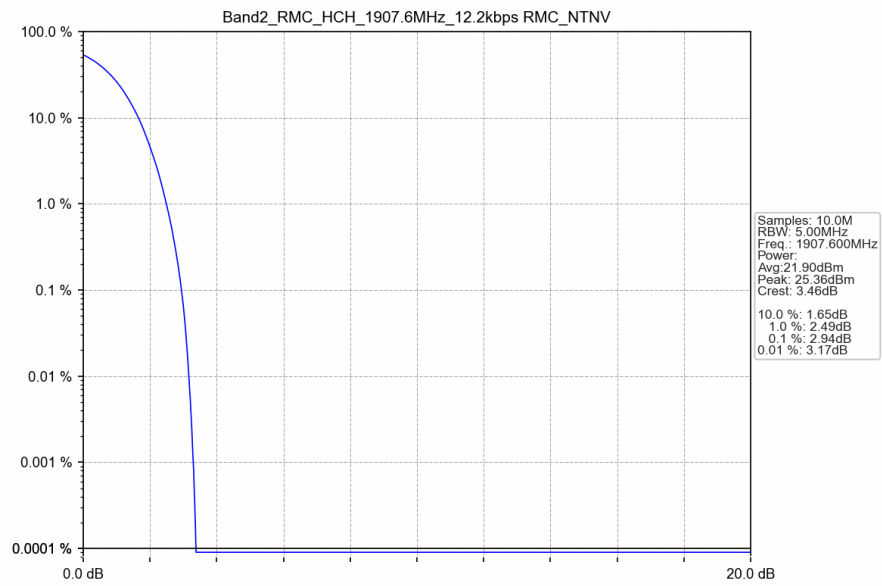
4.1.1 Band2

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	2.92	<=13	Pass
			1880	2.99	<=13	Pass
			1907.6	2.94	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.95	<=13	Pass
			1880	5.99	<=13	Pass
			1907.6	5.87	<=13	Pass
	HSUPA	Subtest 1	1852.4	5.43	<=13	Pass
			1880	5.50	<=13	Pass
			1907.6	5.43	<=13	Pass

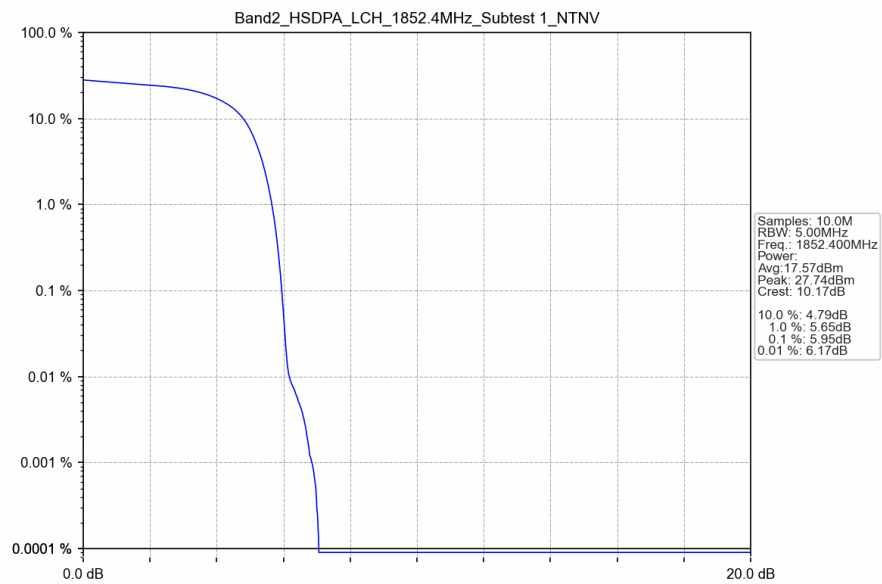
4.2 Test Graph

4.2.1 Band2

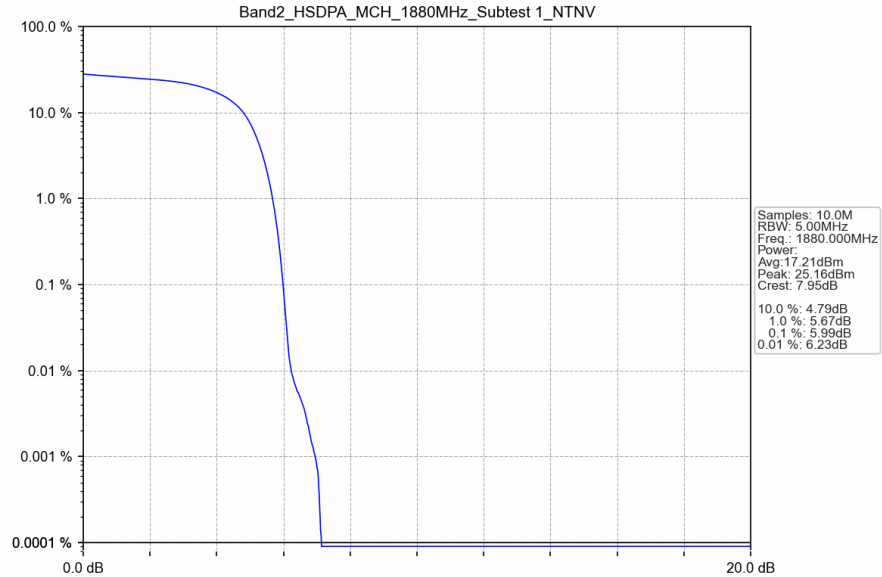




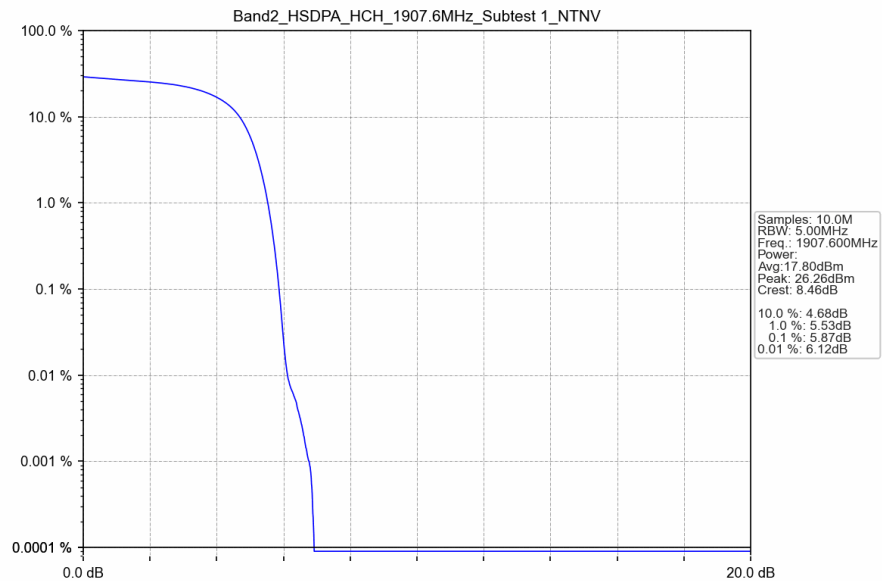
Band2 HSDPA LCH 1852.4MHz Subtest 1 NTN



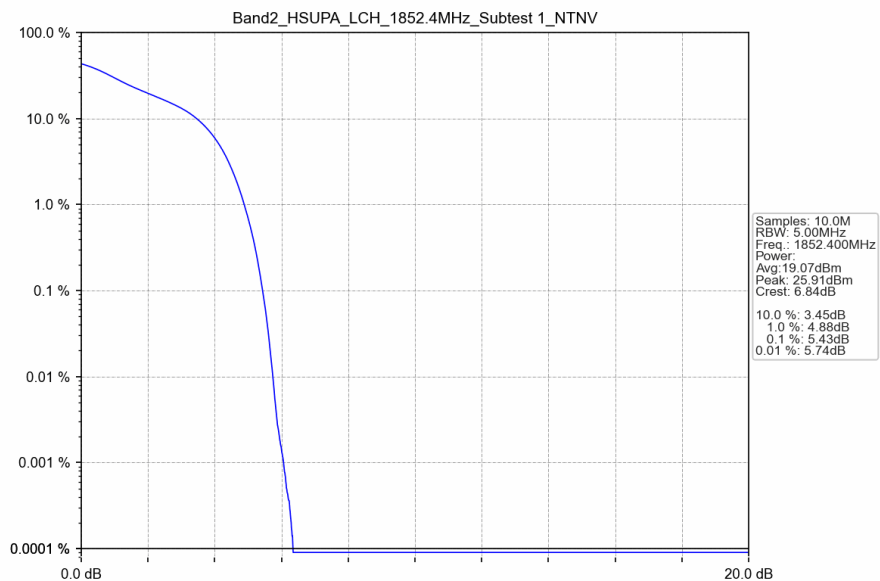
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



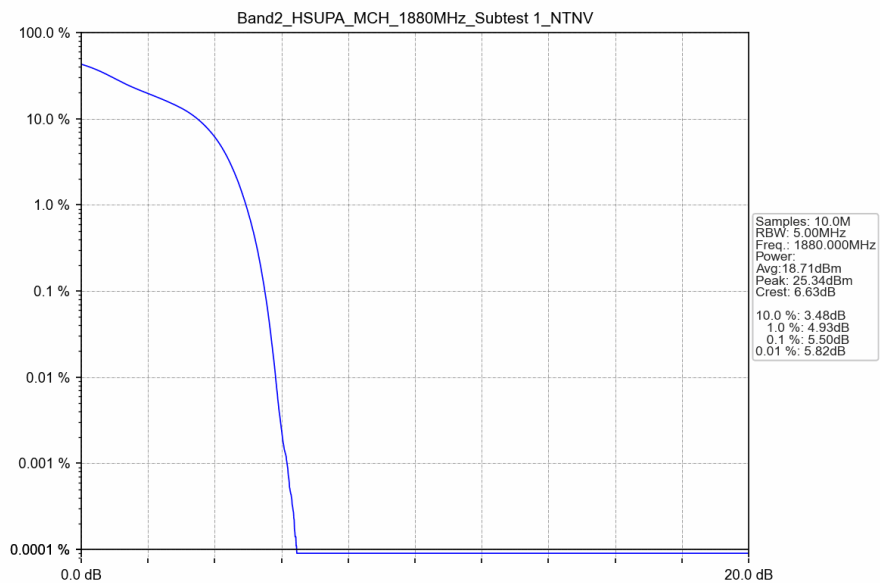
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV

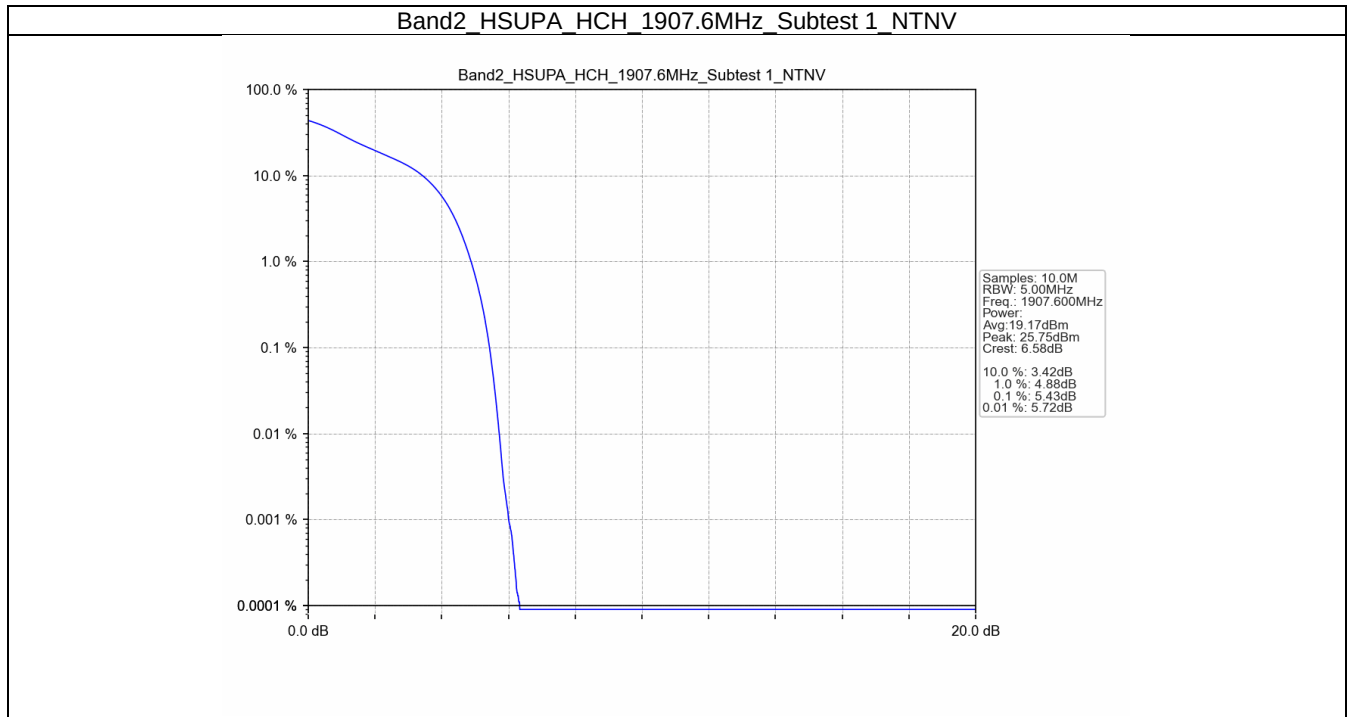


Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV





5. Spurious Emission

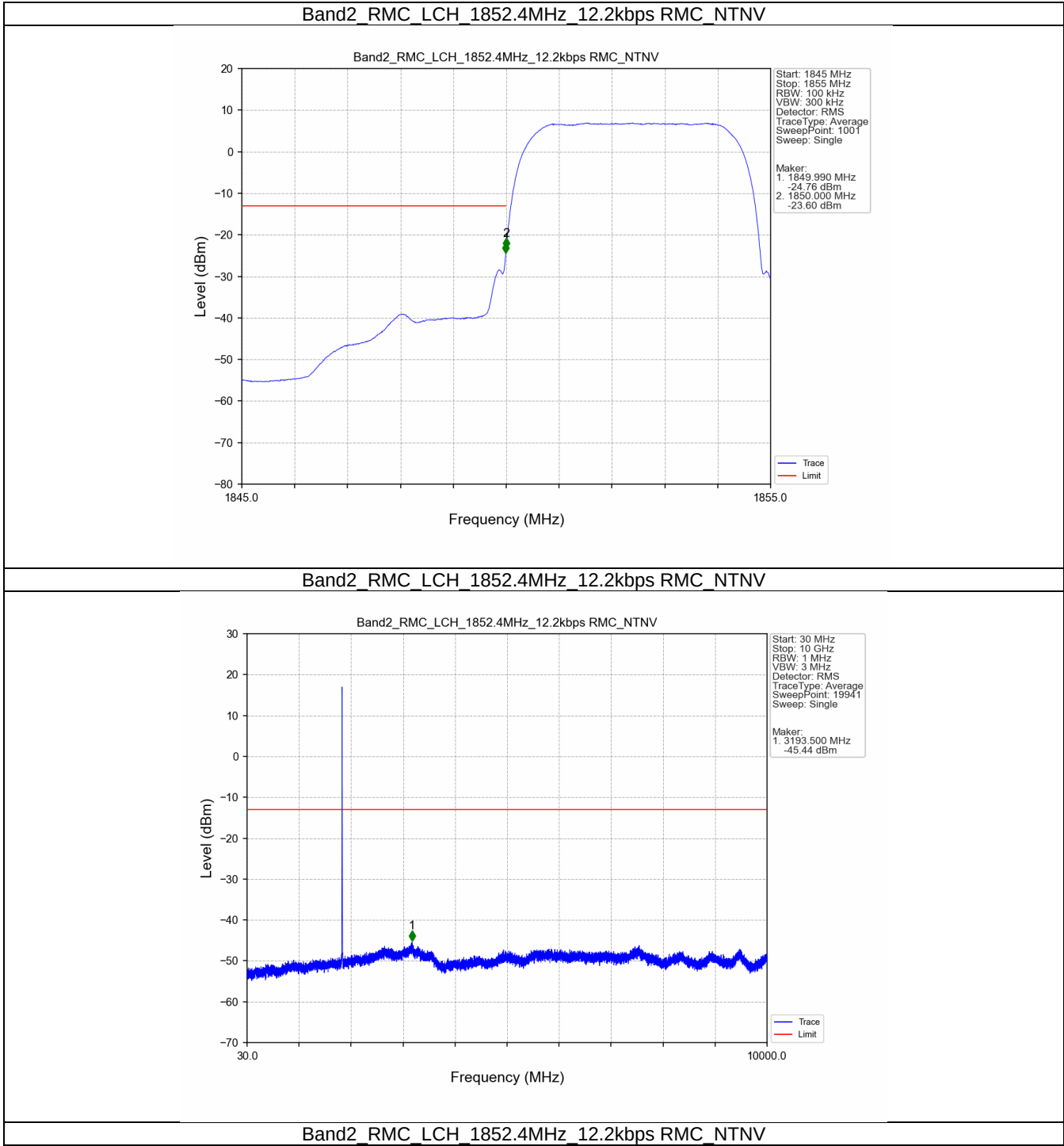
5.1 Test Result_Ant2

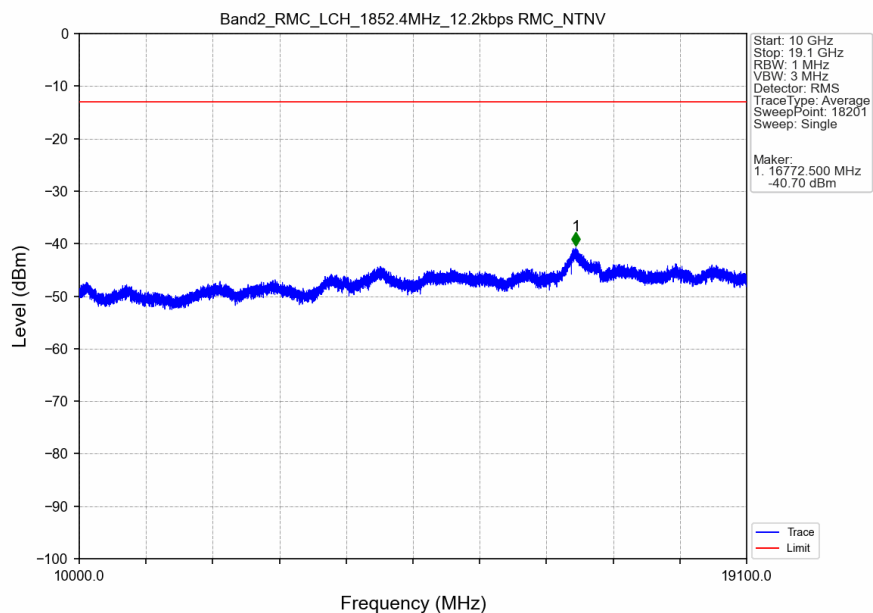
5.1.1 Band2

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	

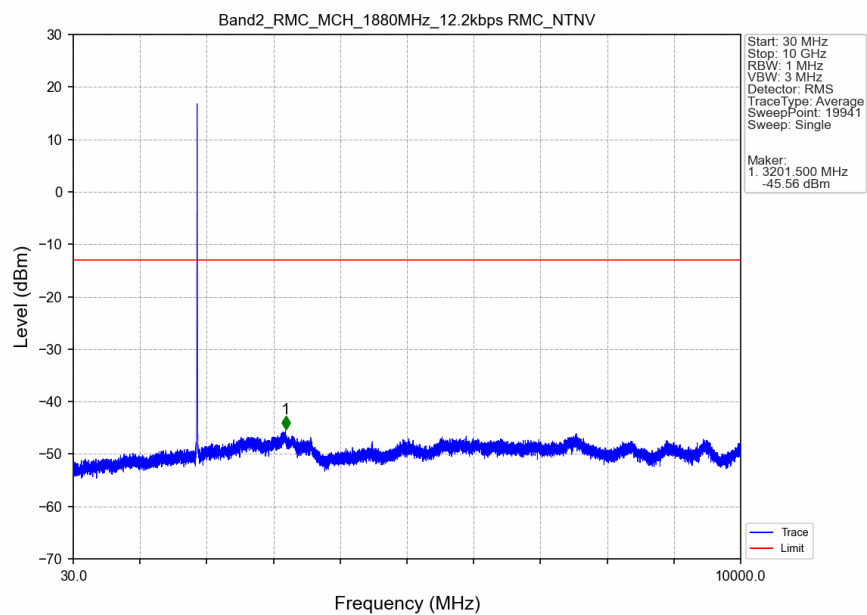
5.2 Test Graph

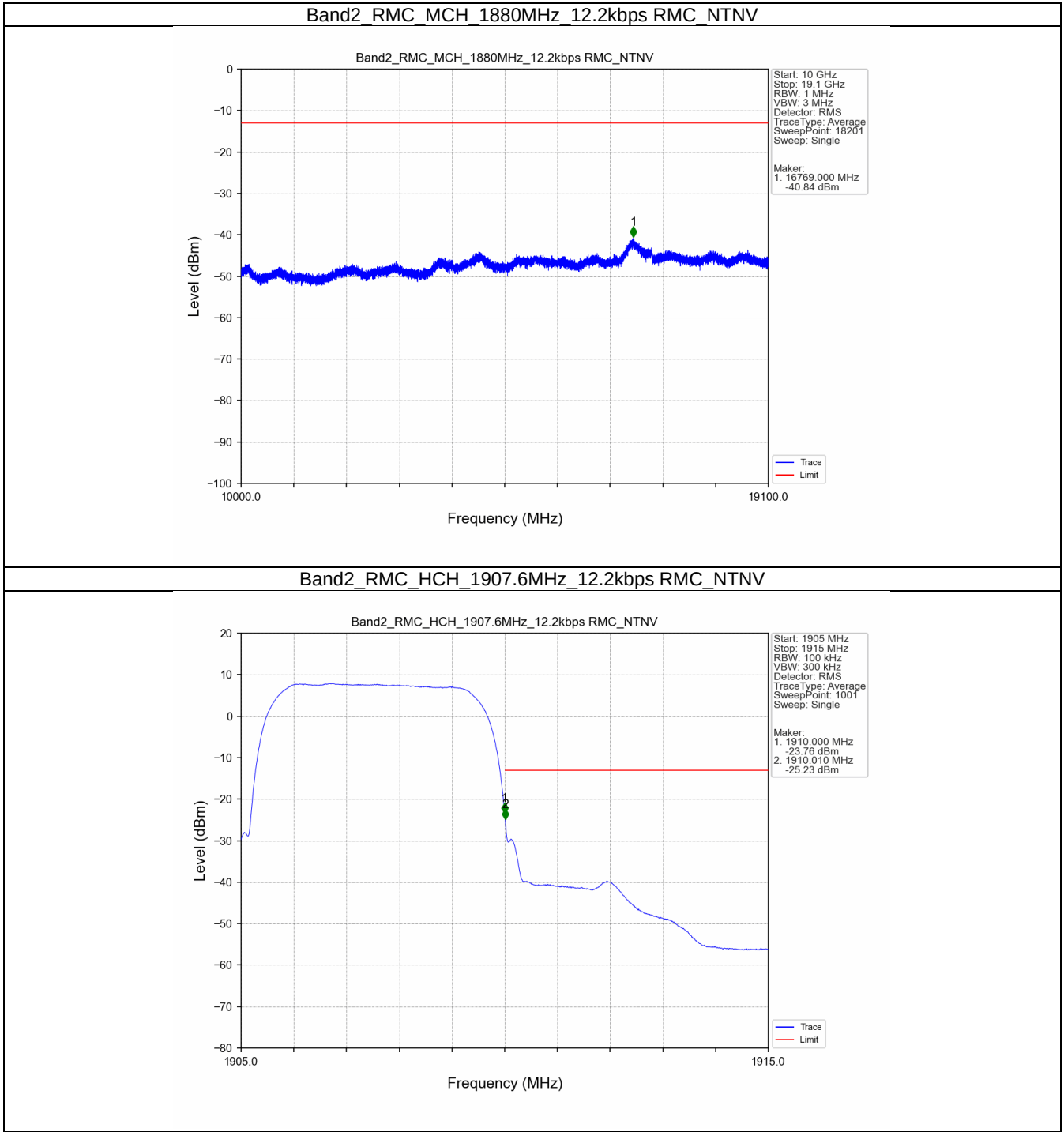
5.2.1 Band2



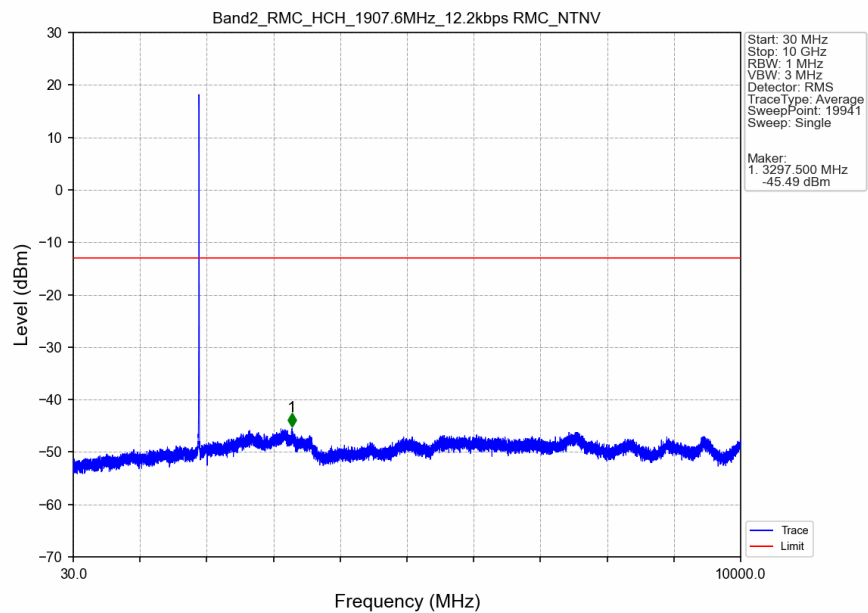


Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV

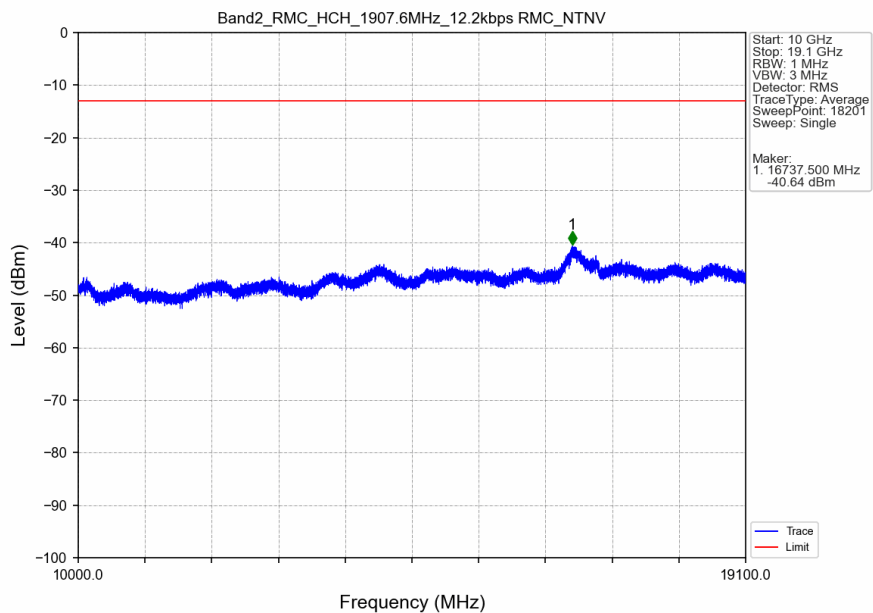




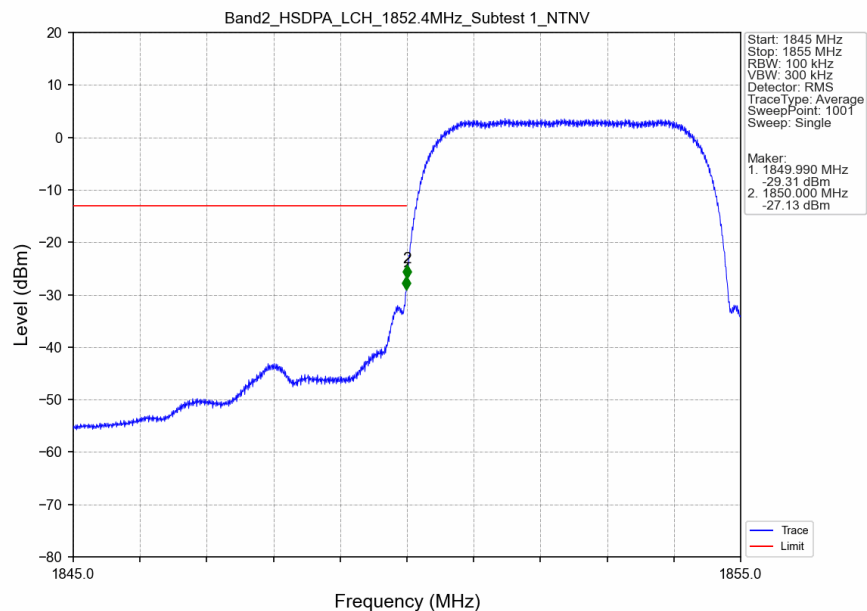
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



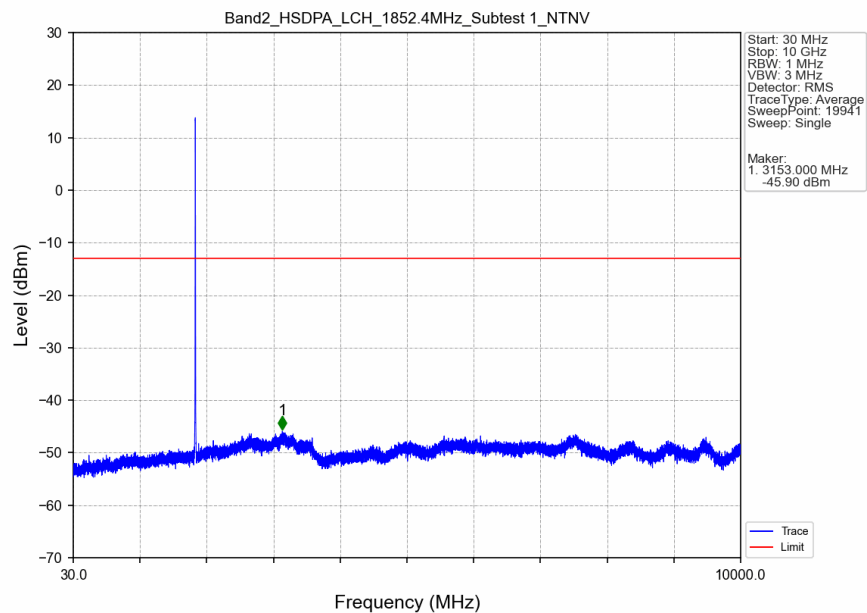
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



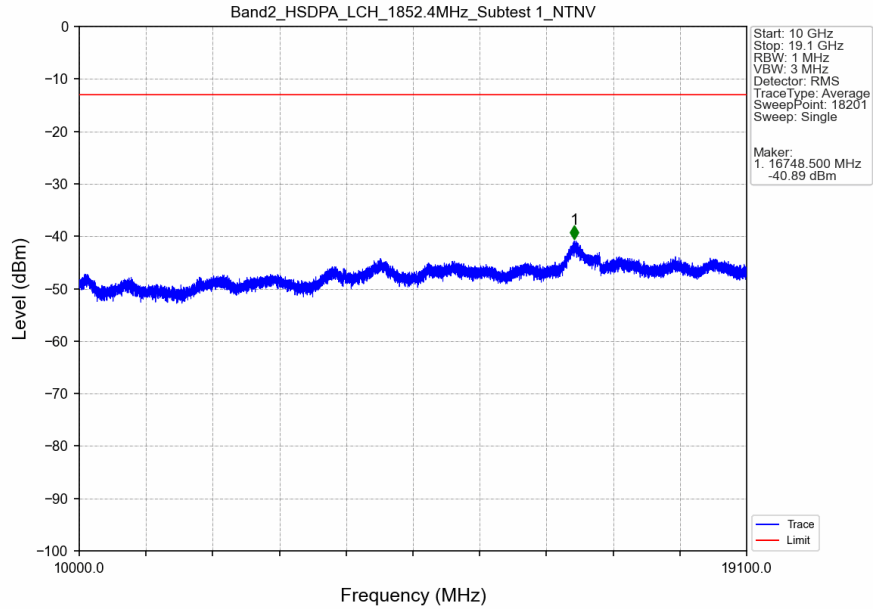
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



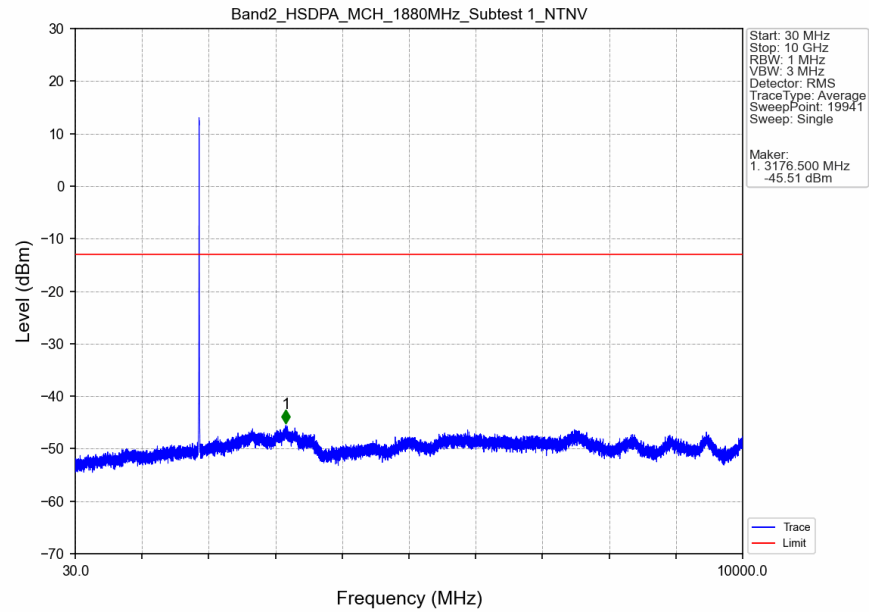
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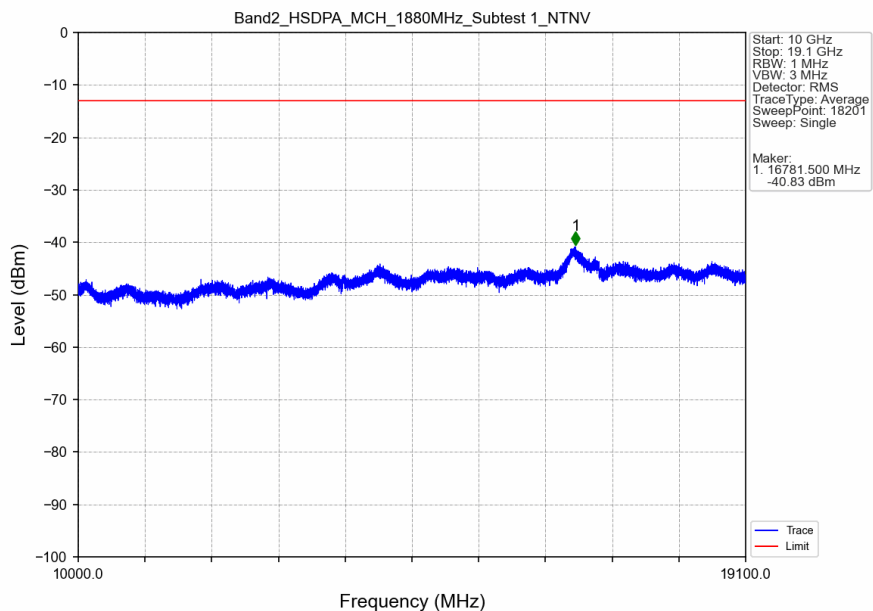
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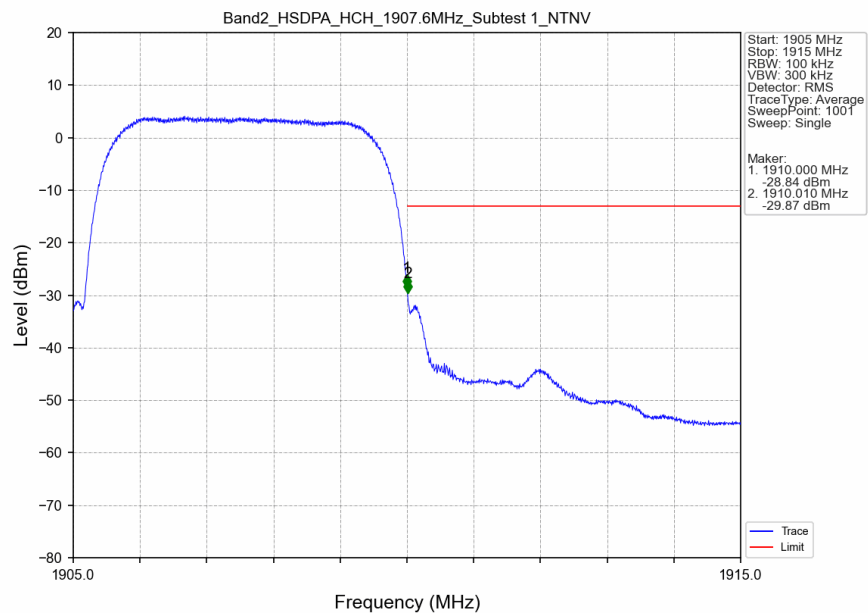
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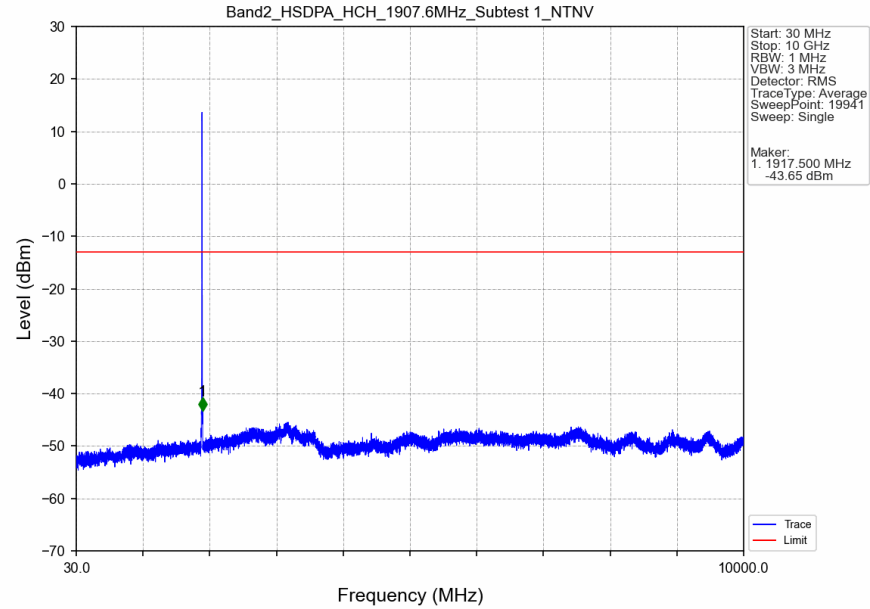
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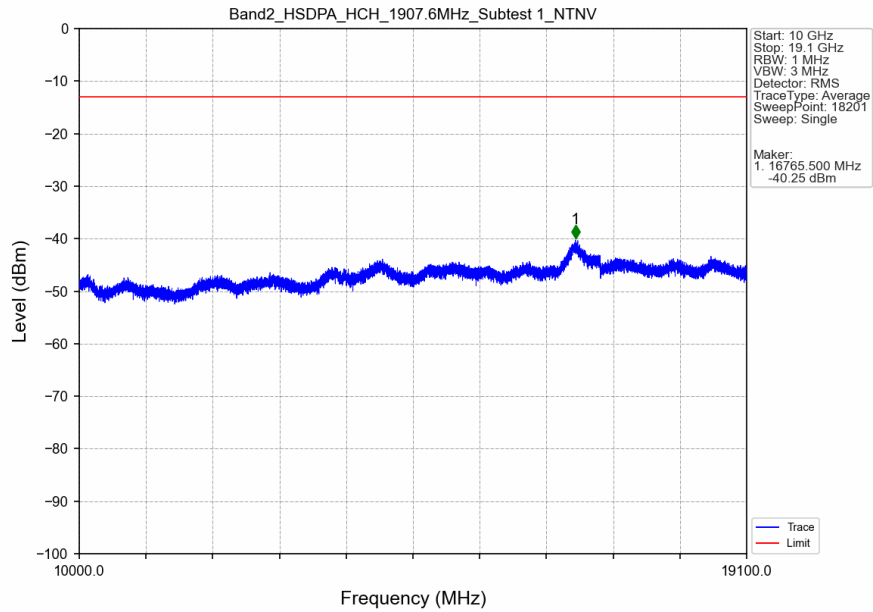
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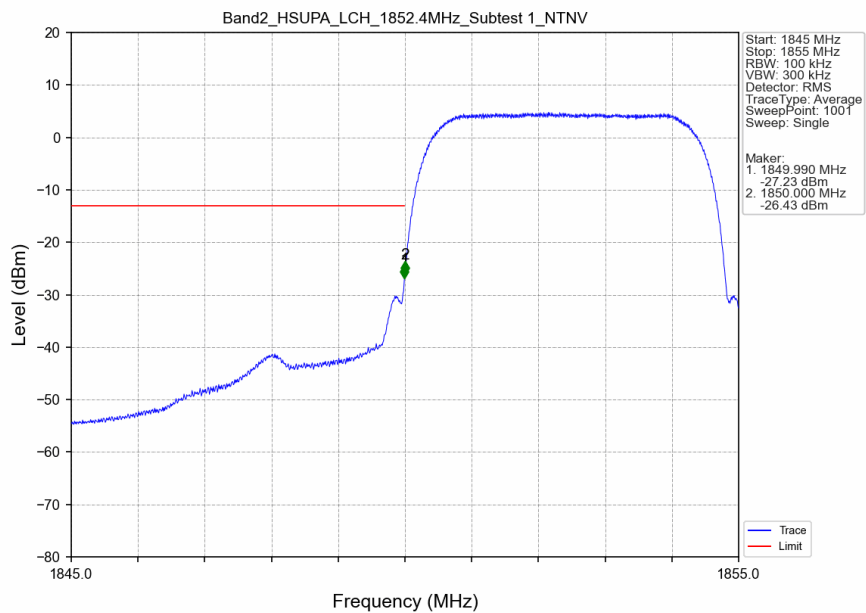
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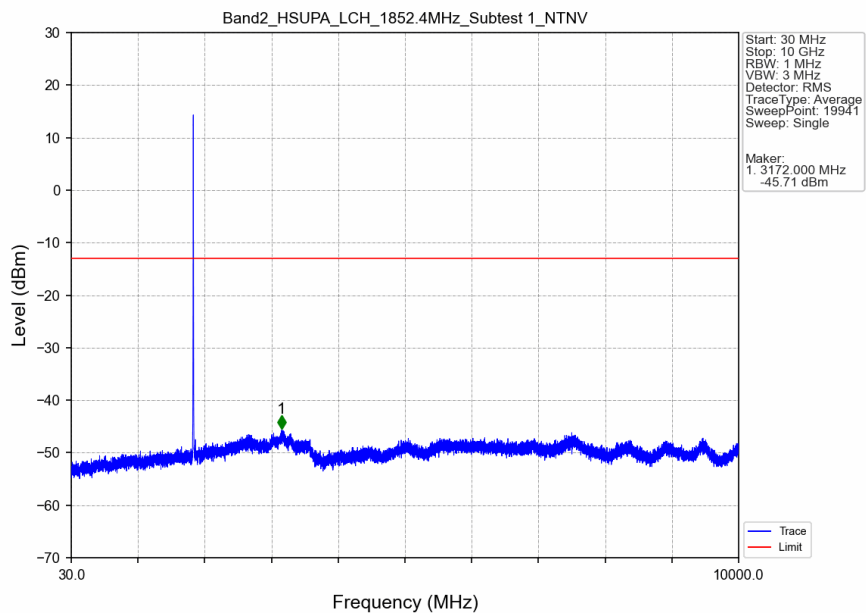
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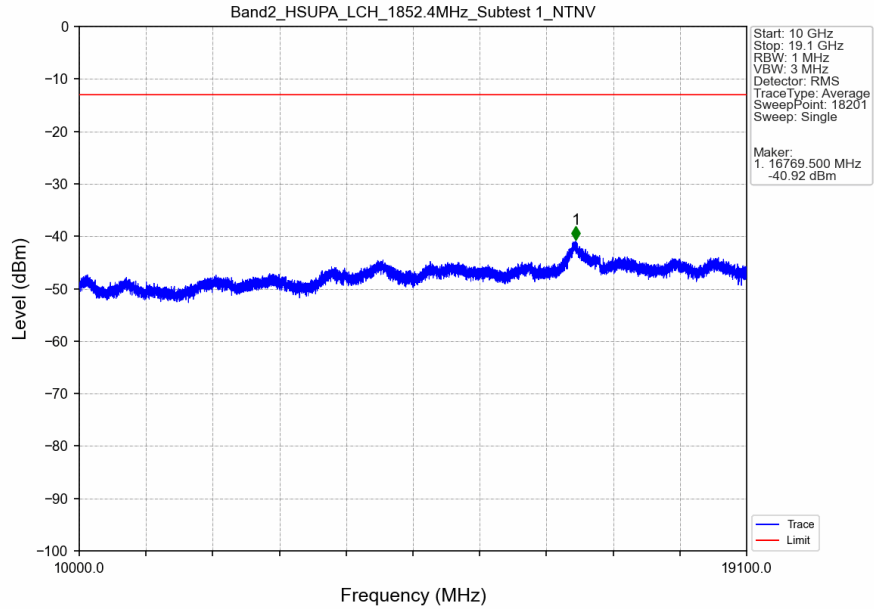
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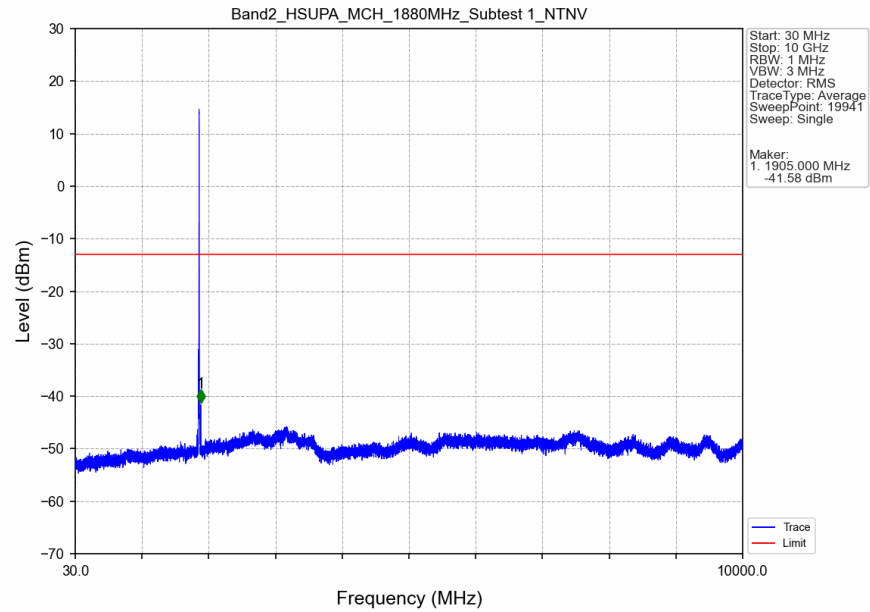
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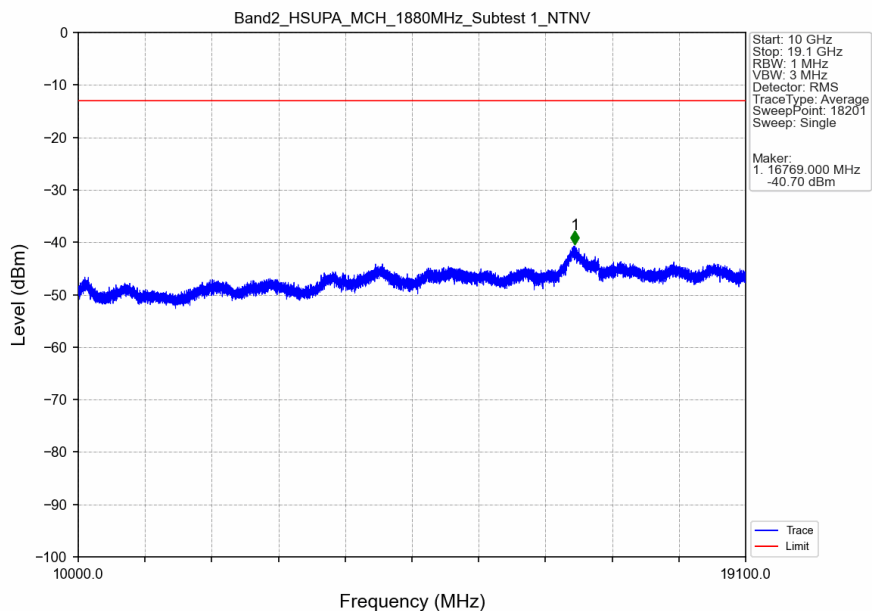
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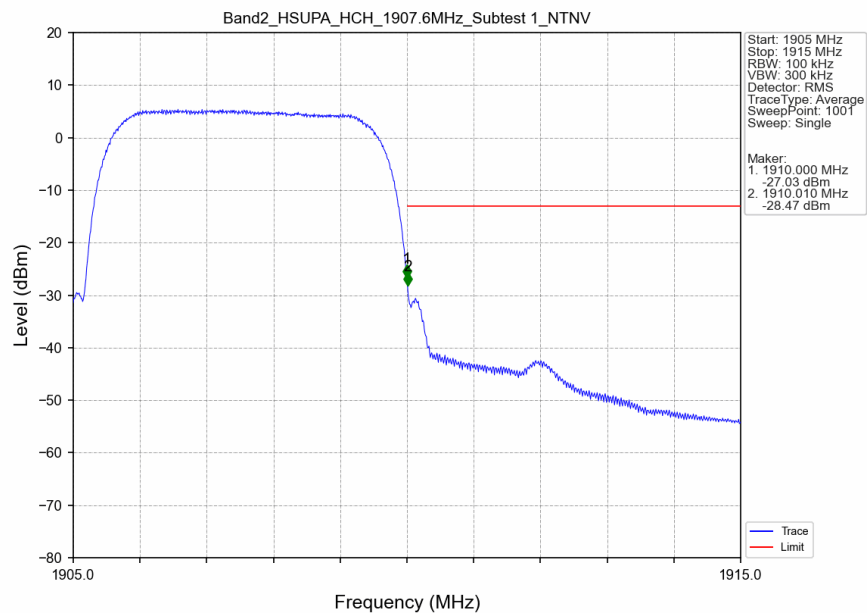
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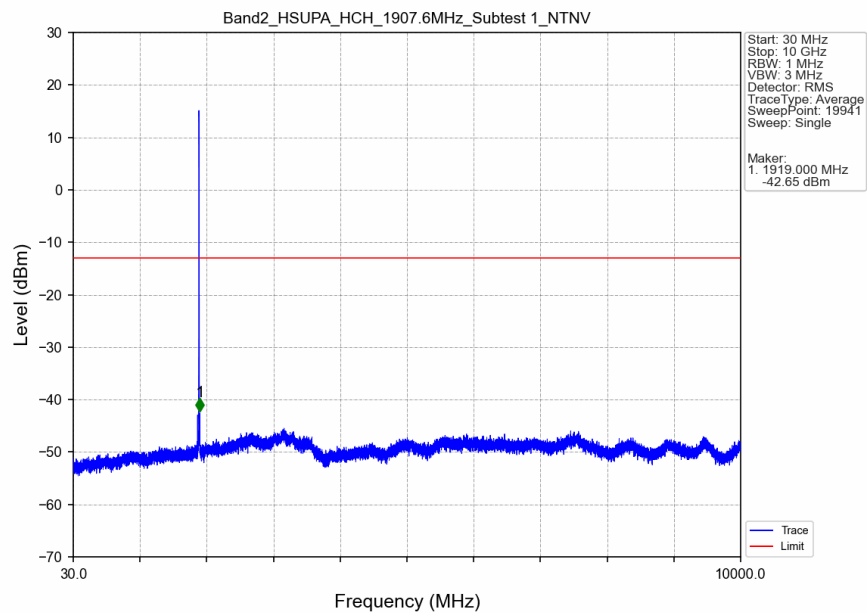
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

