

Appendix C for KSCR220500071002-WCDMA B2

1. Effective (Isotropic) Radiated Power Output Data

1.1 Band2_EIRP

1.1.1 Test Result

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	20.69	-2.26	18.43	<=33.01	Pass	
			1880	21.26	-2.26	19.00	<=33.01	Pass	
			1907.6	20.46	-2.26	18.20	<=33.01	Pass	
	HSDPA	Subtest 1	1852.4	18.70	-2.26	16.44	<=33.01	Pass	
		Subtest 2	1852.4	18.95	-2.26	16.69	<=33.01	Pass	
		Subtest 3	1852.4	18.89	-2.26	16.63	<=33.01	Pass	
		Subtest 4	1852.4	18.98	-2.26	16.72	<=33.01	Pass	
		Subtest 1	1880	19.55	-2.26	17.29	<=33.01	Pass	
		Subtest 2	1880	19.47	-2.26	17.21	<=33.01	Pass	
		Subtest 3	1880	19.49	-2.26	17.23	<=33.01	Pass	
		Subtest 4	1880	19.32	-2.26	17.06	<=33.01	Pass	
		Subtest 1	1907.6	18.86	-2.26	16.60	<=33.01	Pass	
		Subtest 2	1907.6	18.77	-2.26	16.51	<=33.01	Pass	
		Subtest 3	1907.6	18.79	-2.26	16.53	<=33.01	Pass	
		Subtest 4	1907.6	18.77	-2.26	16.51	<=33.01	Pass	
		HSUPA	Subtest 1	1852.4	17.30	-2.26	15.04	<=33.01	Pass
			Subtest 2	1852.4	17.37	-2.26	15.11	<=33.01	Pass
			Subtest 3	1852.4	17.11	-2.26	14.85	<=33.01	Pass
			Subtest 4	1852.4	17.57	-2.26	15.31	<=33.01	Pass
			Subtest 5	1852.4	17.37	-2.26	15.11	<=33.01	Pass
	Subtest 1		1880	18.14	-2.26	15.88	<=33.01	Pass	
	Subtest 2		1880	17.69	-2.26	15.43	<=33.01	Pass	
	Subtest 3		1880	17.69	-2.26	15.43	<=33.01	Pass	
	Subtest 4		1880	18.11	-2.26	15.85	<=33.01	Pass	
	Subtest 5		1880	17.69	-2.26	15.43	<=33.01	Pass	
	Subtest 1		1907.6	18.15	-2.26	15.89	<=33.01	Pass	
	Subtest 2		1907.6	17.92	-2.26	15.66	<=33.01	Pass	
	Subtest 3		1907.6	18.05	-2.26	15.79	<=33.01	Pass	
	Subtest 4	1907.6	17.87	-2.26	15.61	<=33.01	Pass		
	Subtest 5	1907.6	18.65	-2.26	16.39	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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2. Frequency Stability

2.1 Band2

2.1.1 Test Result

Band: 2								
Network	Frequency (MHz)	Temp. (°C)	Voltage (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
					Result	Limit		
RMC	1852.4	20	102	3.504	0.0019	-2.5 to 2.5	Pass	
			120	3.220	0.0017	-2.5 to 2.5	Pass	
			138	2.473	0.0013	-2.5 to 2.5	Pass	
		0	120	2.318	0.0013	-2.5 to 2.5	Pass	
		10	120	1.786	0.0010	-2.5 to 2.5	Pass	
		30	120	2.924	0.0016	-2.5 to 2.5	Pass	
		40	120	1.646	0.0009	-2.5 to 2.5	Pass	
	45	120	2.458	0.0013	-2.5 to 2.5	Pass		
	1880	20	102	-1.642	-0.0009	-2.5 to 2.5	Pass	
			120	-1.764	-0.0009	-2.5 to 2.5	Pass	
			138	-0.903	-0.0005	-2.5 to 2.5	Pass	
		0	120	-1.600	-0.0009	-2.5 to 2.5	Pass	
		10	120	-1.773	-0.0009	-2.5 to 2.5	Pass	
		30	120	-1.109	-0.0006	-2.5 to 2.5	Pass	
		40	120	-1.360	-0.0007	-2.5 to 2.5	Pass	
	45	120	-0.729	-0.0004	-2.5 to 2.5	Pass		
	1907.6	20	102	-4.788	-0.0025	-2.5 to 2.5	Pass	
			120	-5.474	-0.0029	-2.5 to 2.5	Pass	
			138	-5.775	-0.0030	-2.5 to 2.5	Pass	
		0	120	-4.736	-0.0025	-2.5 to 2.5	Pass	
		10	120	-6.908	-0.0036	-2.5 to 2.5	Pass	
		30	120	-5.948	-0.0031	-2.5 to 2.5	Pass	
		40	120	-6.041	-0.0032	-2.5 to 2.5	Pass	
	45	120	-6.033	-0.0032	-2.5 to 2.5	Pass		
	HSDPA	1852.4	20	102	4.958	0.0027	-2.5 to 2.5	Pass
				120	4.816	0.0026	-2.5 to 2.5	Pass
				138	5.232	0.0028	-2.5 to 2.5	Pass
0			120	4.943	0.0027	-2.5 to 2.5	Pass	
10			120	3.267	0.0018	-2.5 to 2.5	Pass	
30			120	4.760	0.0026	-2.5 to 2.5	Pass	
40			120	4.501	0.0024	-2.5 to 2.5	Pass	
45		120	5.541	0.0030	-2.5 to 2.5	Pass		
1880		20	102	-0.676	-0.0004	-2.5 to 2.5	Pass	
			120	-1.423	-0.0008	-2.5 to 2.5	Pass	
			138	-1.147	-0.0006	-2.5 to 2.5	Pass	
		0	120	-0.675	-0.0004	-2.5 to 2.5	Pass	
		10	120	-1.229	-0.0007	-2.5 to 2.5	Pass	
		30	120	-1.896	-0.0010	-2.5 to 2.5	Pass	
		40	120	-1.028	-0.0005	-2.5 to 2.5	Pass	
		45	120	-1.121	-0.0006	-2.5 to 2.5	Pass	



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	1907.6	20	102	-2.920	-0.0015	-2.5 to 2.5	Pass	
			120	-3.713	-0.0019	-2.5 to 2.5	Pass	
			138	-4.224	-0.0022	-2.5 to 2.5	Pass	
		0	120	-3.380	-0.0018	-2.5 to 2.5	Pass	
			10	120	-4.226	-0.0022	-2.5 to 2.5	Pass
			30	120	-4.200	-0.0022	-2.5 to 2.5	Pass
			40	120	-3.748	-0.0020	-2.5 to 2.5	Pass
			45	120	-3.949	-0.0021	-2.5 to 2.5	Pass
HSUPA	1852.4	20	102	0.308	0.0002	-2.5 to 2.5	Pass	
			120	-3.925	-0.0021	-2.5 to 2.5	Pass	
			138	3.874	0.0021	-2.5 to 2.5	Pass	
		0	120	0.824	0.0004	-2.5 to 2.5	Pass	
			10	120	0.944	0.0005	-2.5 to 2.5	Pass
			30	120	0.412	0.0002	-2.5 to 2.5	Pass
			40	120	-0.682	-0.0004	-2.5 to 2.5	Pass
			45	120	2.111	0.0011	-2.5 to 2.5	Pass
	1880	20	102	-2.753	-0.0015	-2.5 to 2.5	Pass	
			120	-3.327	-0.0018	-2.5 to 2.5	Pass	
			138	-3.720	-0.0020	-2.5 to 2.5	Pass	
		0	120	-1.909	-0.0010	-2.5 to 2.5	Pass	
			10	120	-2.521	-0.0013	-2.5 to 2.5	Pass
			30	120	-3.126	-0.0017	-2.5 to 2.5	Pass
			40	120	-2.606	-0.0014	-2.5 to 2.5	Pass
			45	120	-3.874	-0.0021	-2.5 to 2.5	Pass
1907.6	20	102	-5.003	-0.0026	-2.5 to 2.5	Pass		
		120	-5.023	-0.0026	-2.5 to 2.5	Pass		
		138	-3.603	-0.0019	-2.5 to 2.5	Pass		
	0	120	-5.149	-0.0027	-2.5 to 2.5	Pass		
		10	120	-4.837	-0.0025	-2.5 to 2.5	Pass	
		30	120	-5.691	-0.0030	-2.5 to 2.5	Pass	
		40	120	-5.420	-0.0028	-2.5 to 2.5	Pass	
		45	120	-5.025	-0.0026	-2.5 to 2.5	Pass	

3. Modulation Characteristics

3.1 Band2

3.1.1 Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	Modulation Characteristics		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1880	Refer To Test Graph		Pass
	HSDPA	Subtest 1	1880	Refer To Test Graph		Pass
	HSUPA	Subtest 1	1880	Refer To Test Graph		Pass



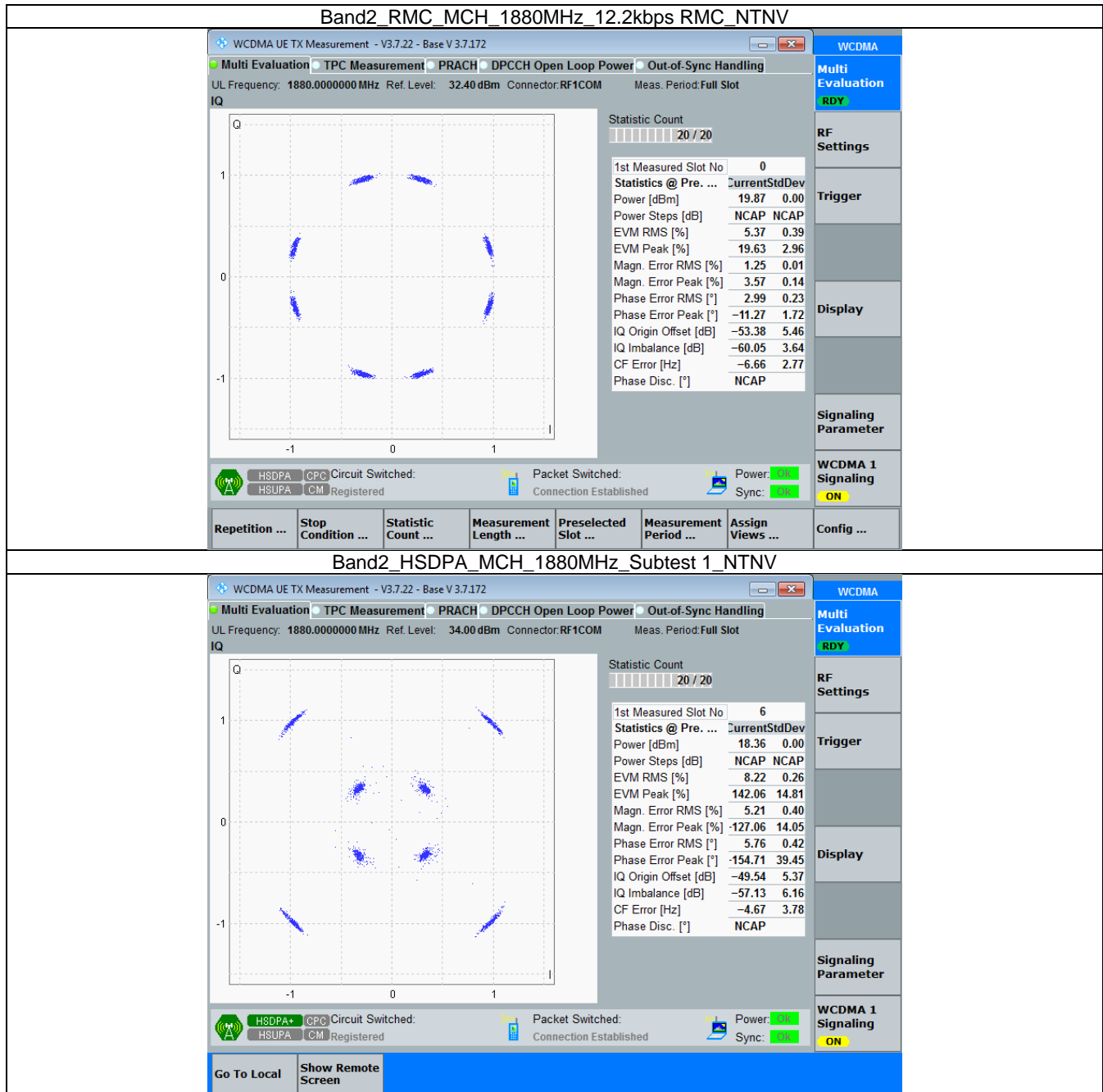
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3.1.2 Test Graph

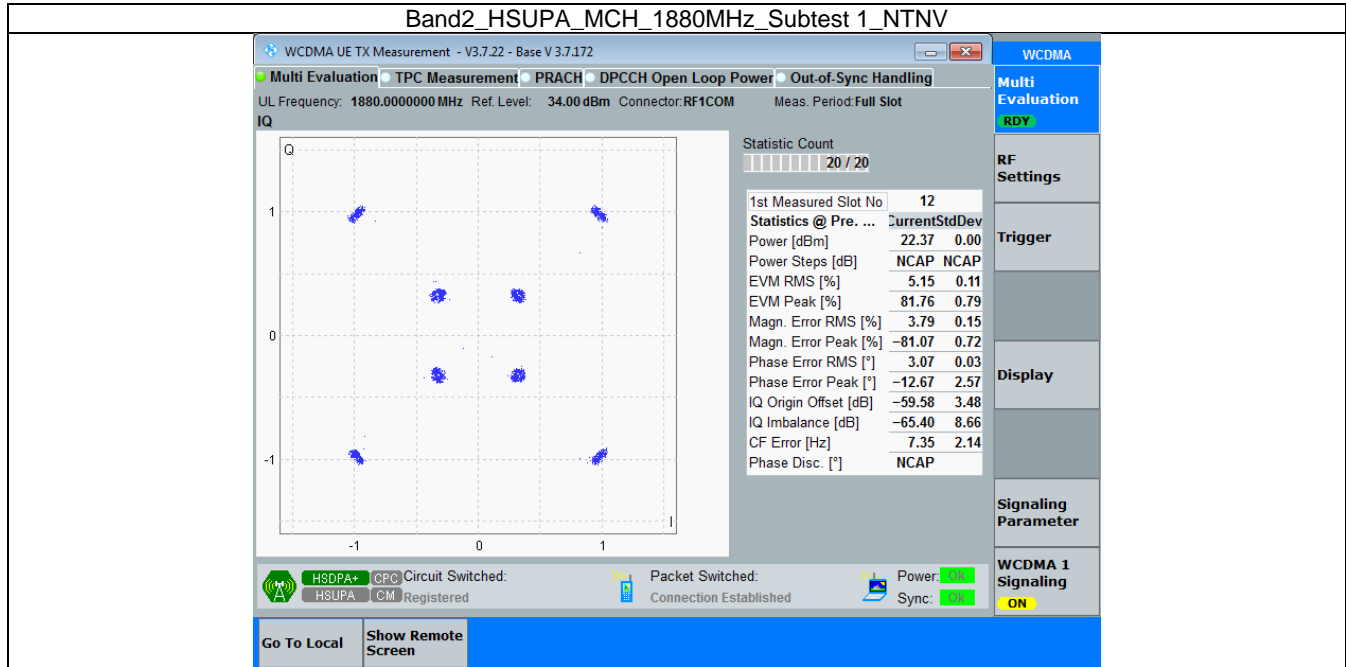


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4. 99% & 26dB Bandwidth

4.1 Band2_OBW

4.1.1 Test Result

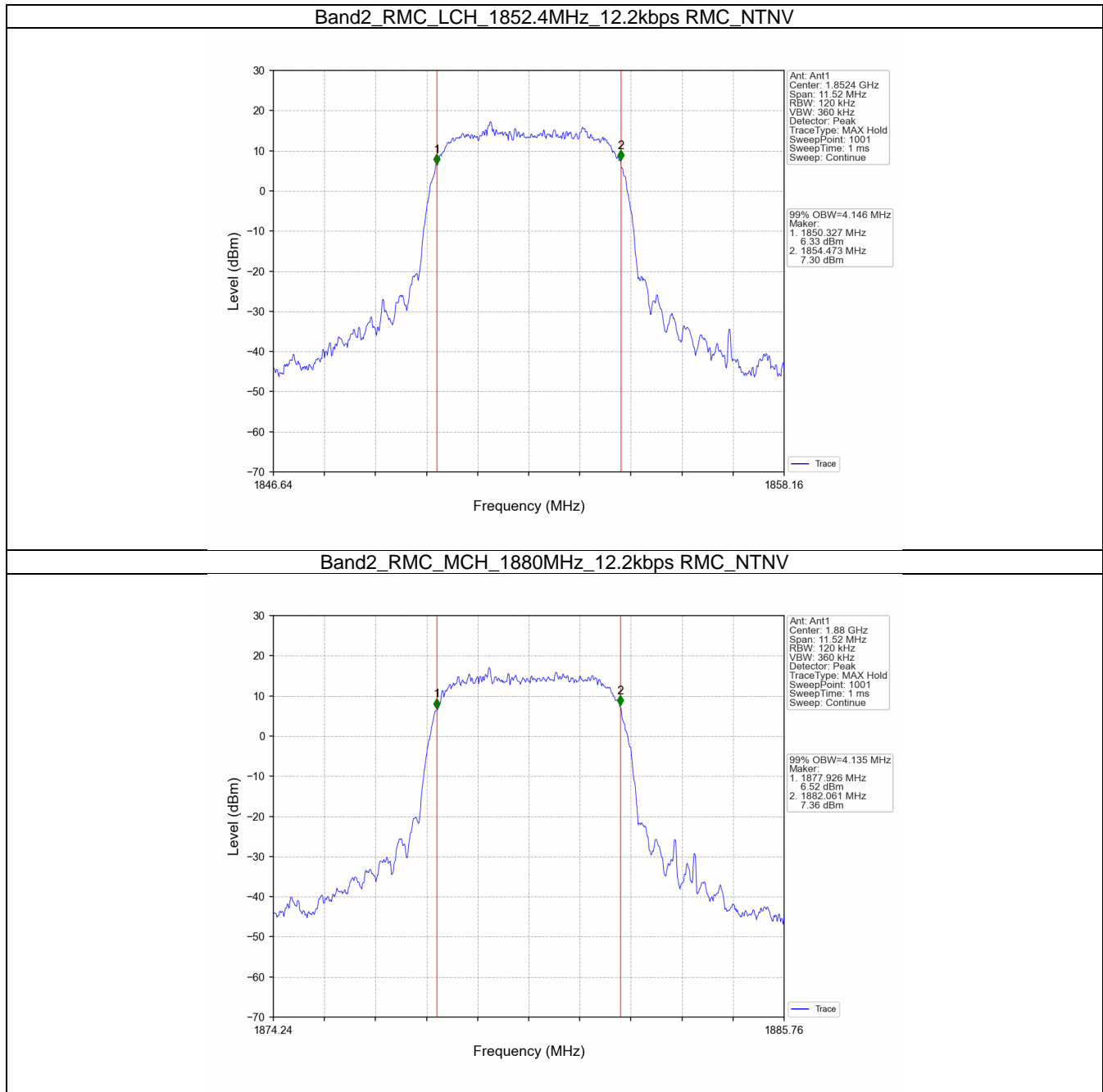
Band: 2					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.146	Pass
			1880	4.135	Pass
			1907.6	4.114	Pass
	HSDPA	Subtest 1	1852.4	4.129	Pass
			1880	4.182	Pass
			1907.6	4.120	Pass
	HSUPA	Subtest 1	1852.4	4.138	Pass
			1880	4.193	Pass
			1907.6	4.125	Pass



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4.1.2 Test Graph



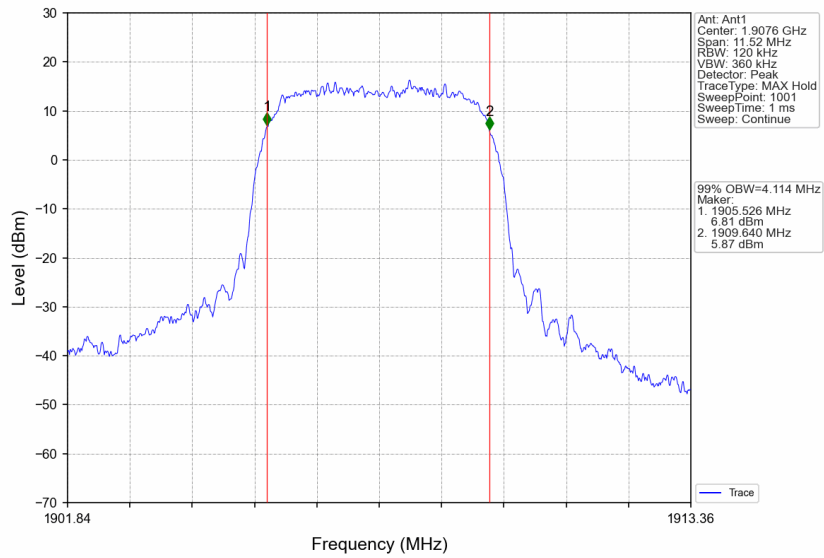
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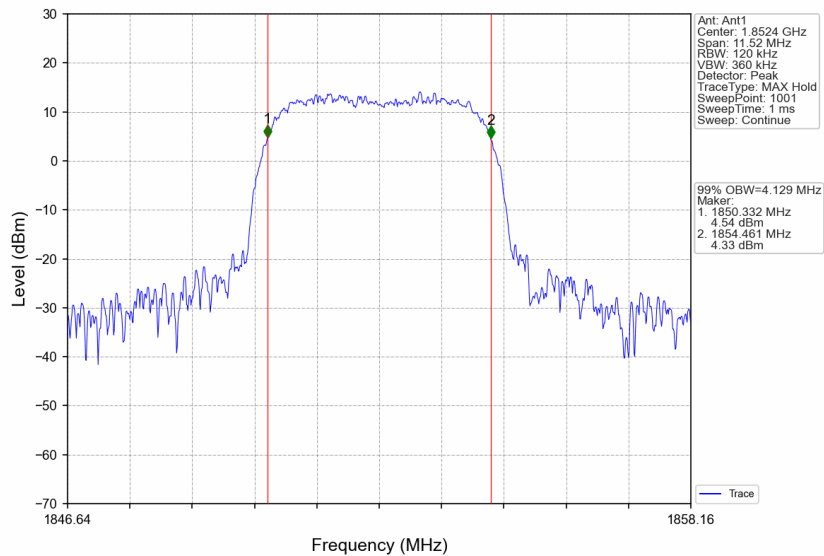
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Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



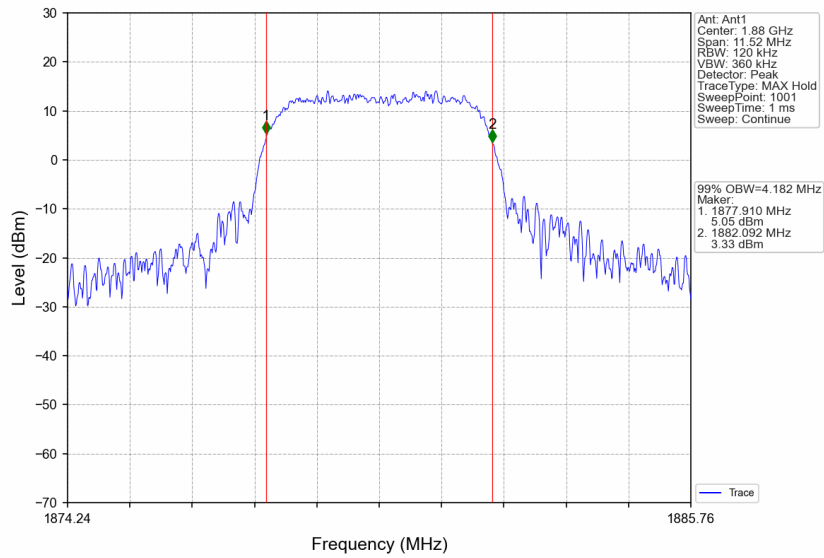
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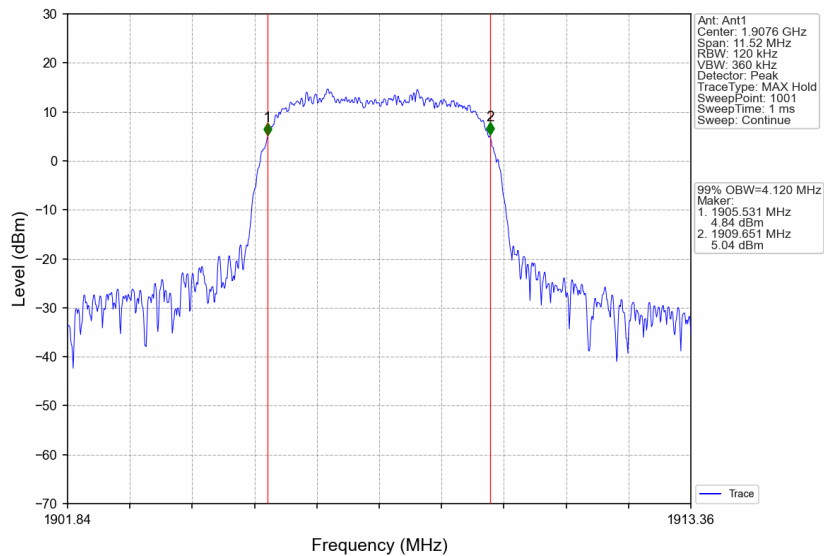
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Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



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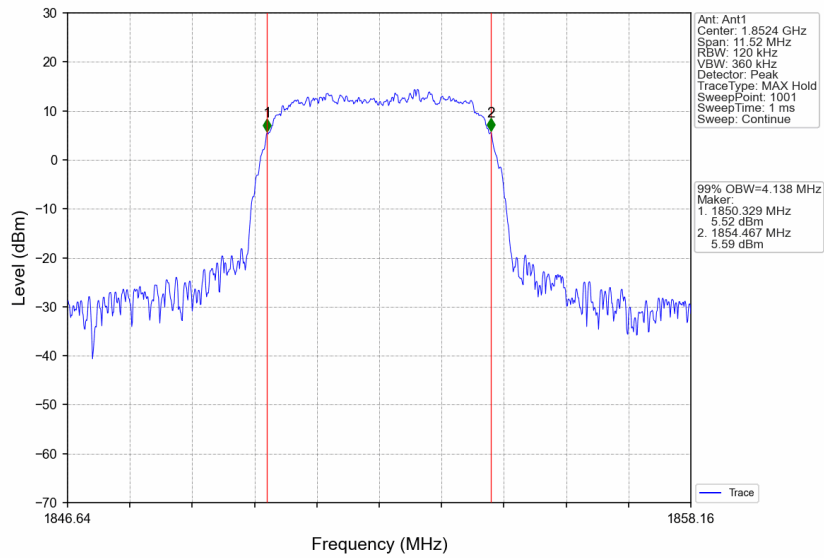
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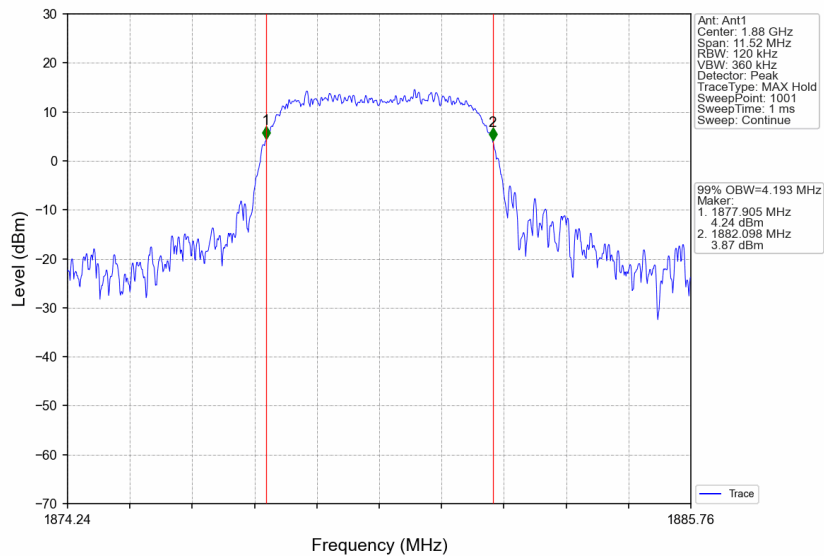
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Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV

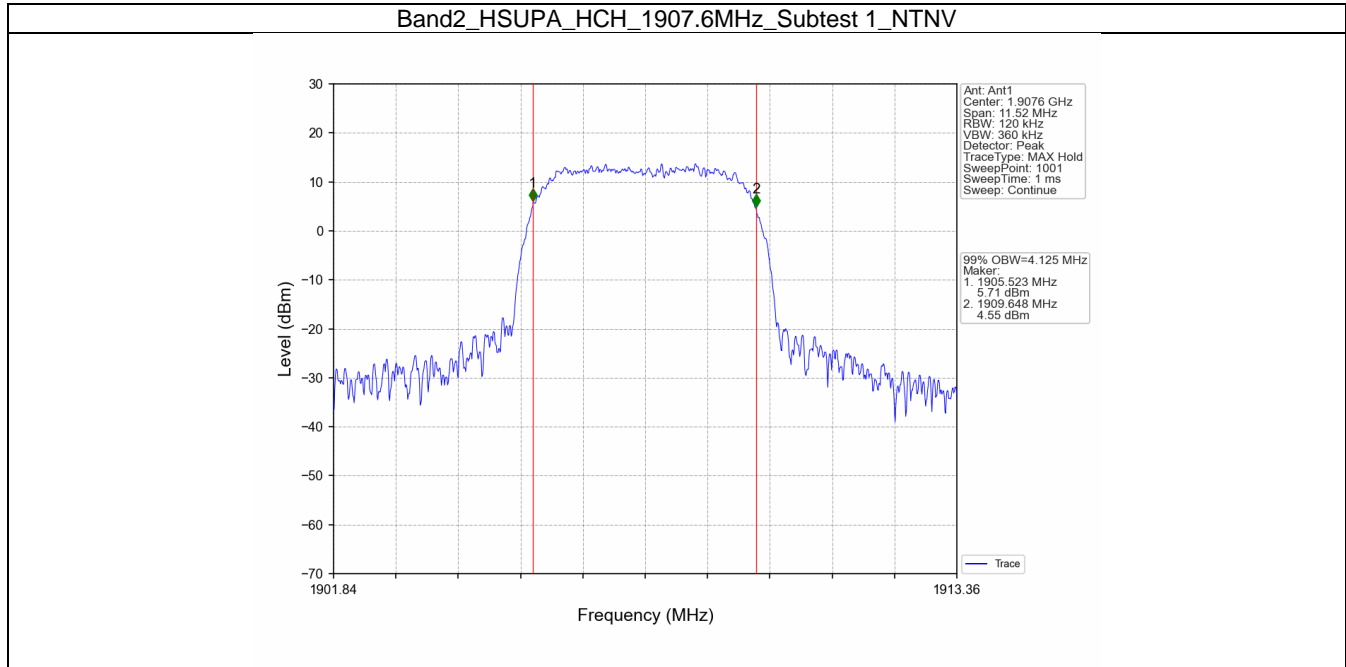


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4.2 Band2_XDB

4.2.1 Test Result

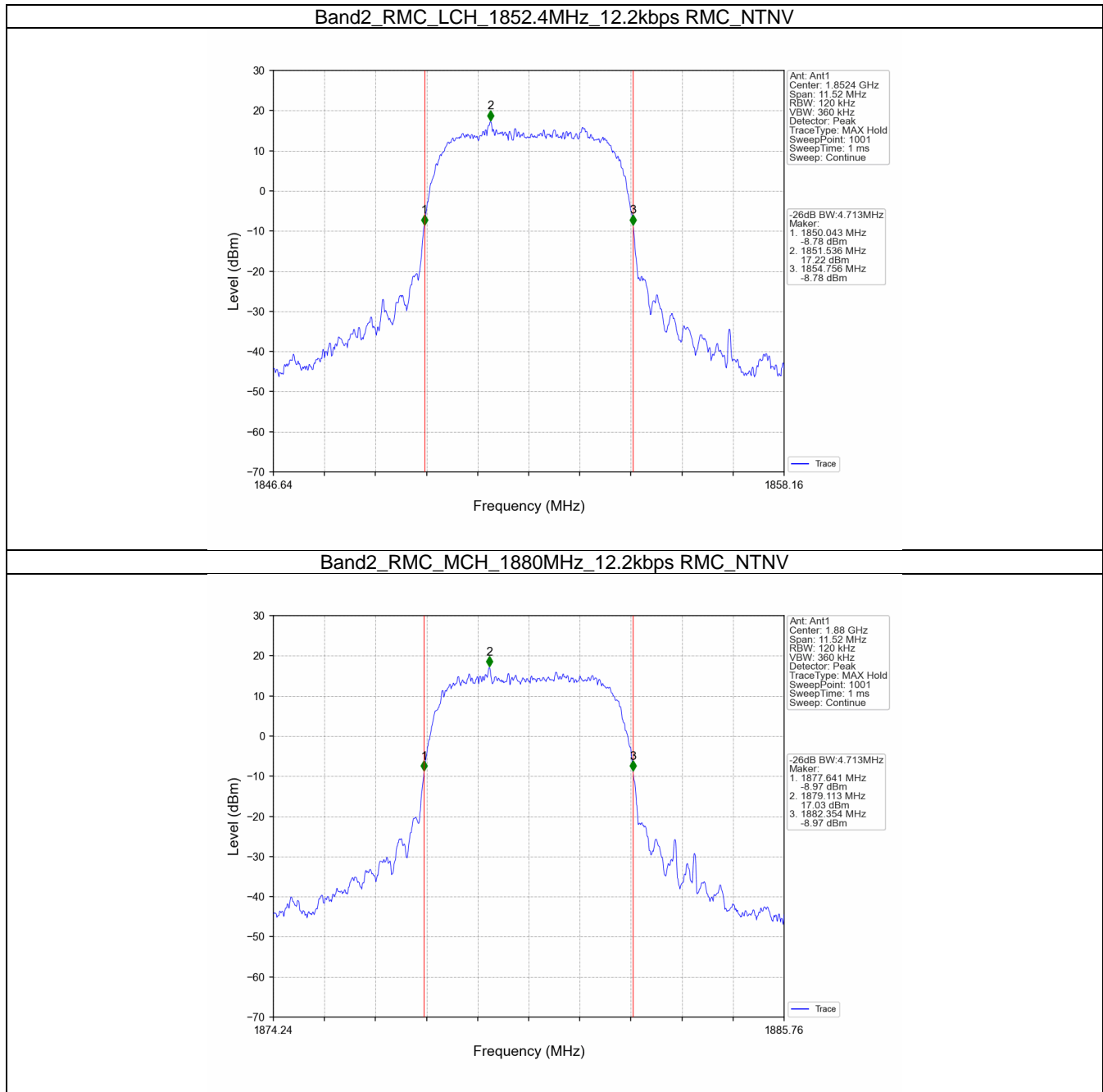
Band: 2					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.713	Pass
			1880	4.713	Pass
			1907.6	4.714	Pass
	HSDPA	Subtest 1	1852.4	4.749	Pass
			1880	6.360	Pass
			1907.6	4.720	Pass
	HSUPA	Subtest 1	1852.4	4.746	Pass
			1880	6.070	Pass
			1907.6	4.756	Pass



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4.2.2 Test Graph



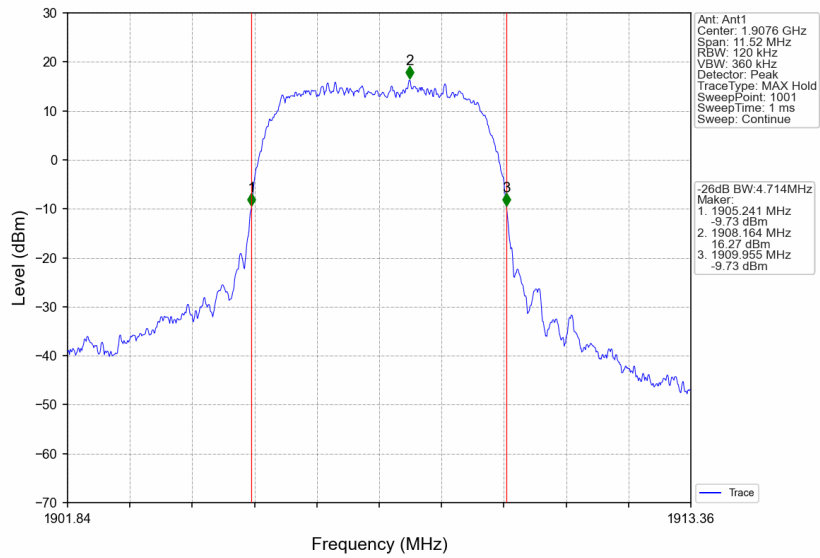
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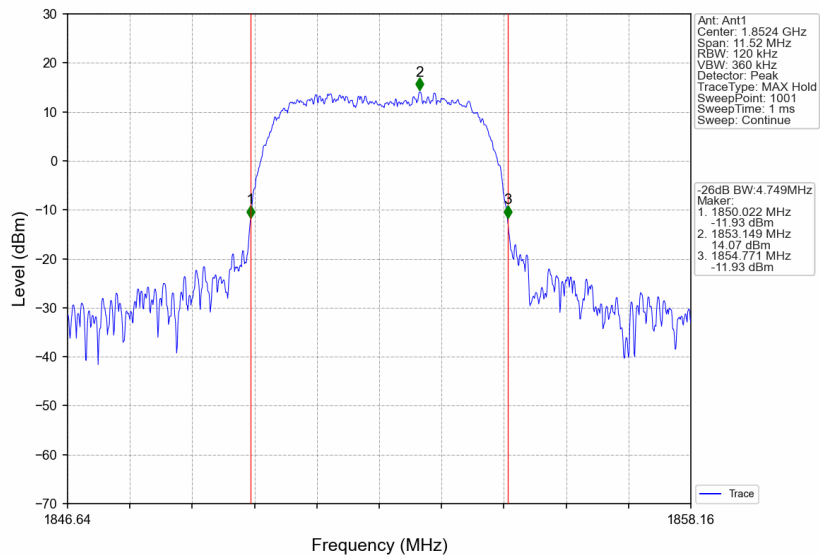
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Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



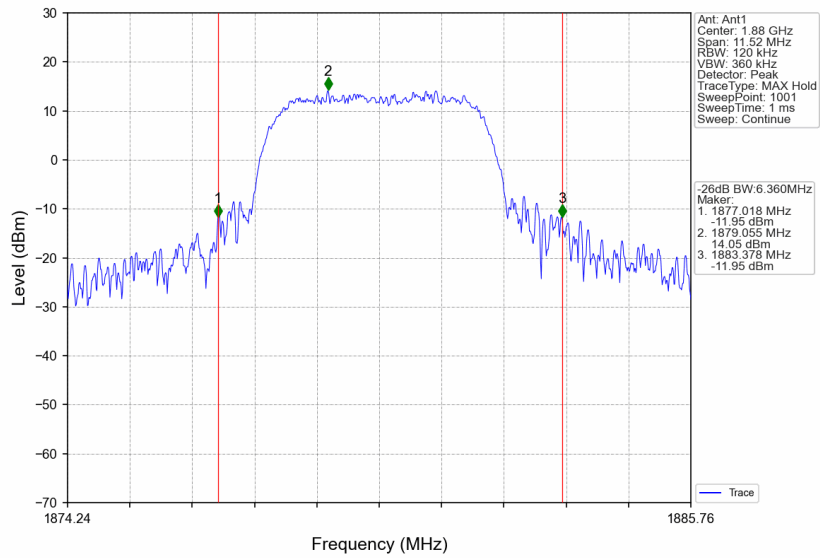
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



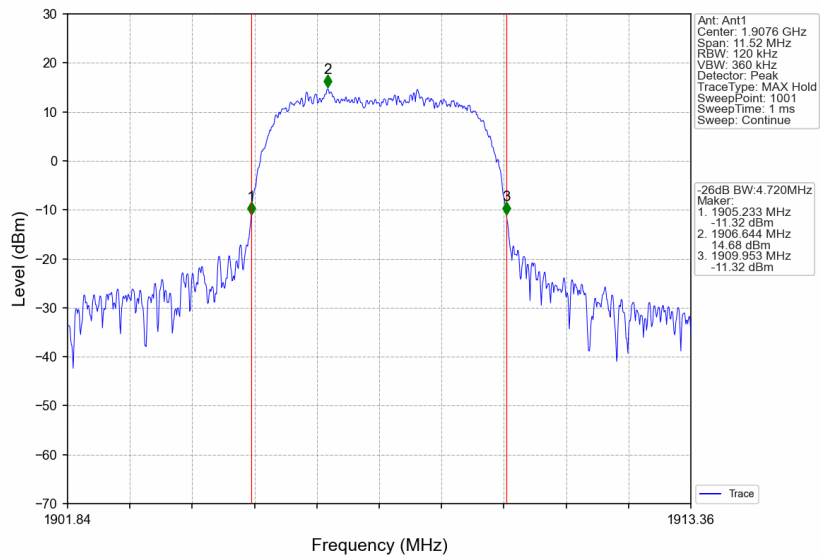
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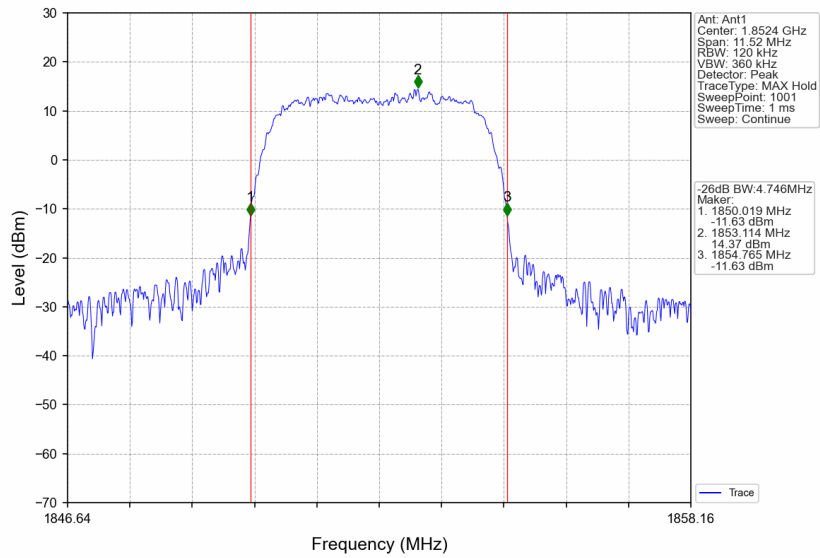
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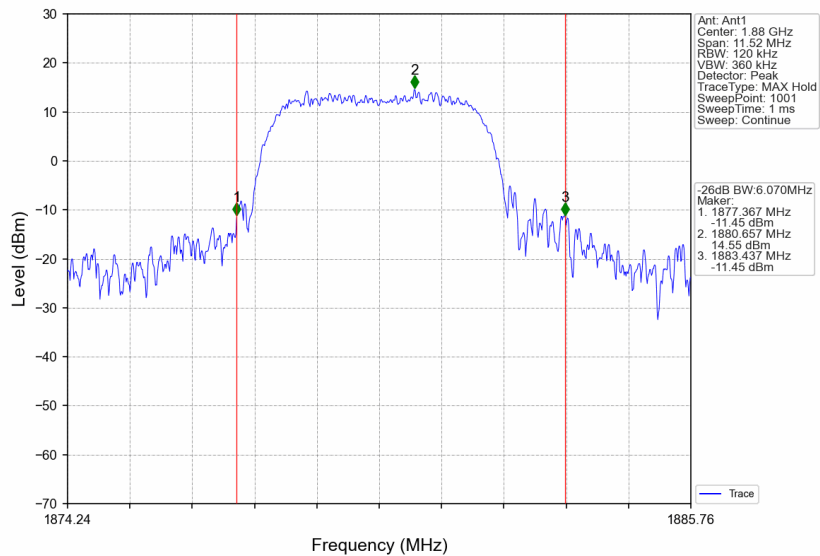
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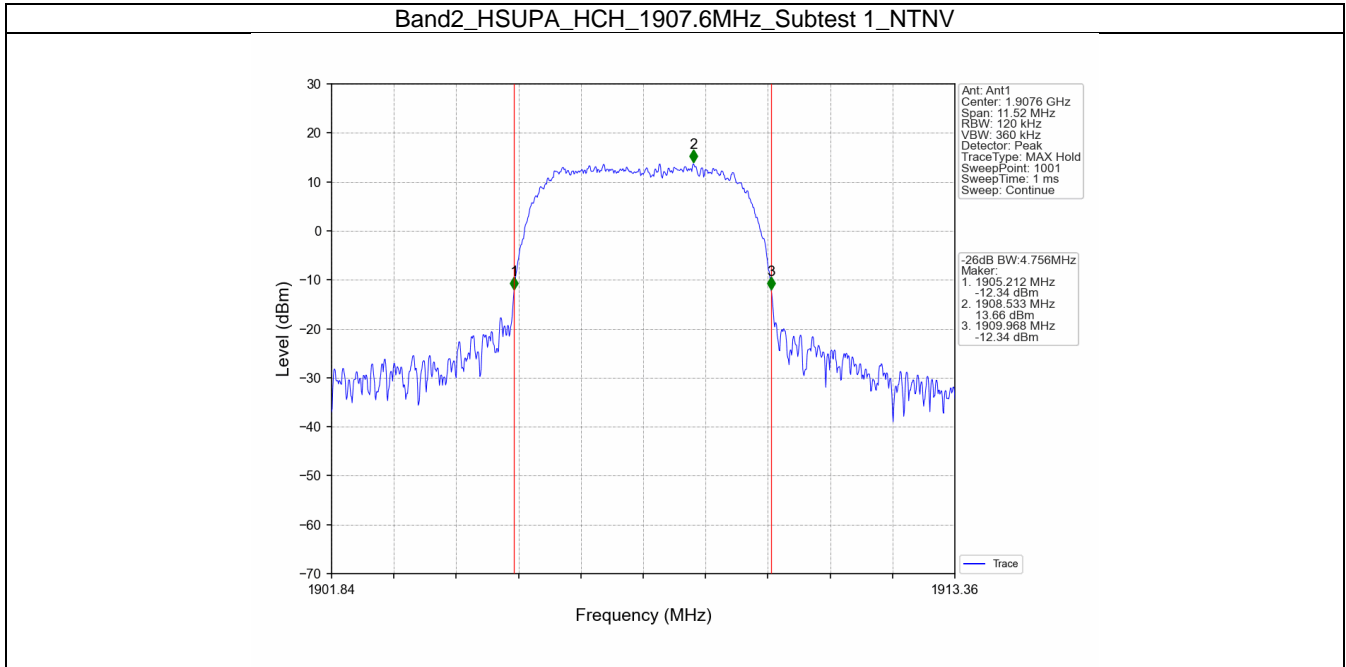


Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



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5. Peak-Average Ratio

5.1 Band2

5.1.1 Test Result

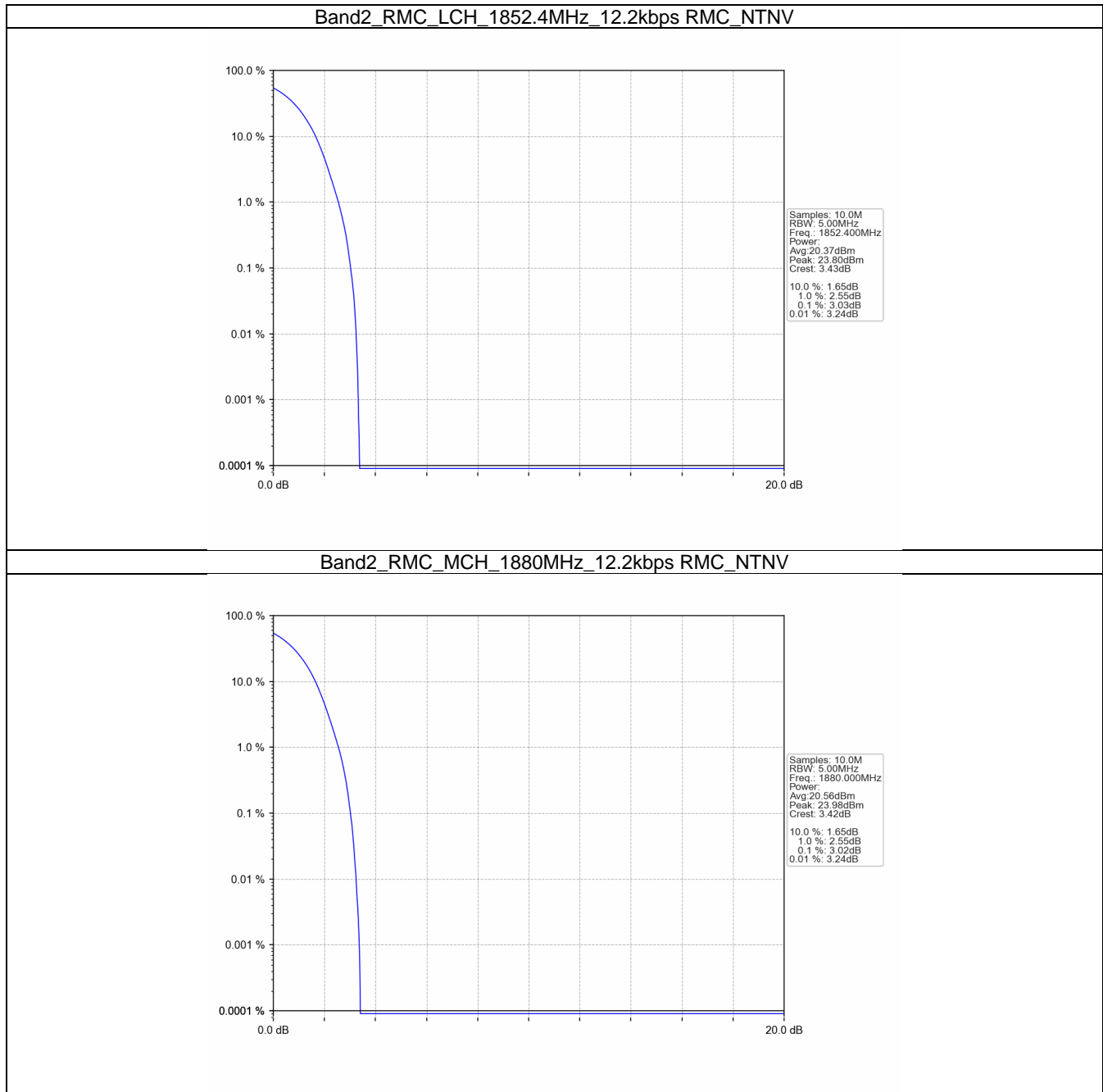
Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.03	<=13	Pass
			1880	3.02	<=13	Pass
			1907.6	3.01	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.70	<=13	Pass
			1880	5.69	<=13	Pass
			1907.6	6.39	<=13	Pass
	HSUPA	Subtest 1	1852.4	5.72	<=13	Pass
			1880	5.73	<=13	Pass
			1907.6	5.77	<=13	Pass



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5.1.2 Test Graph



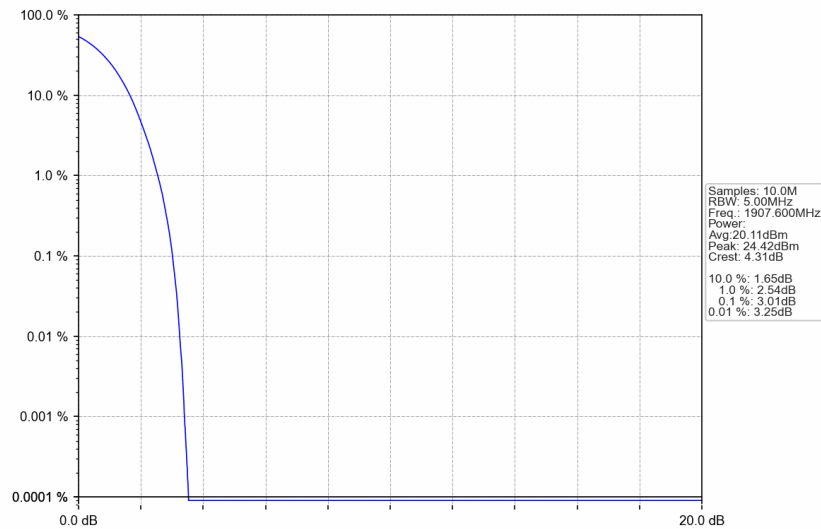
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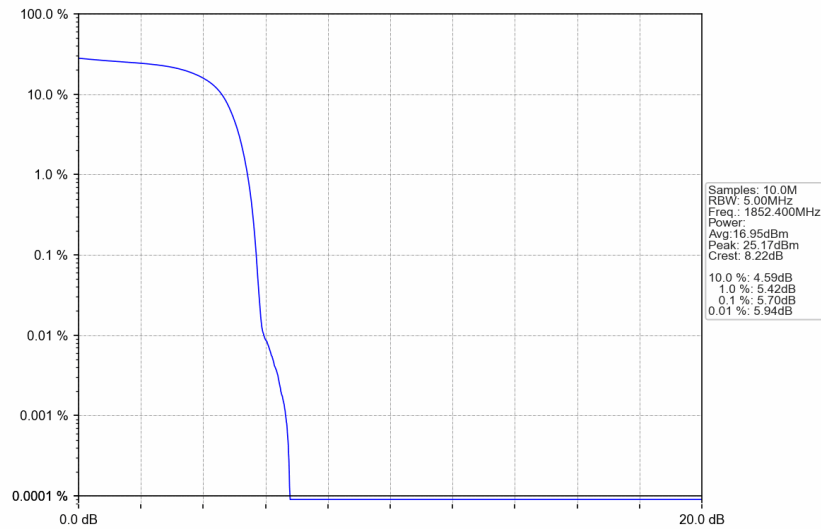
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Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



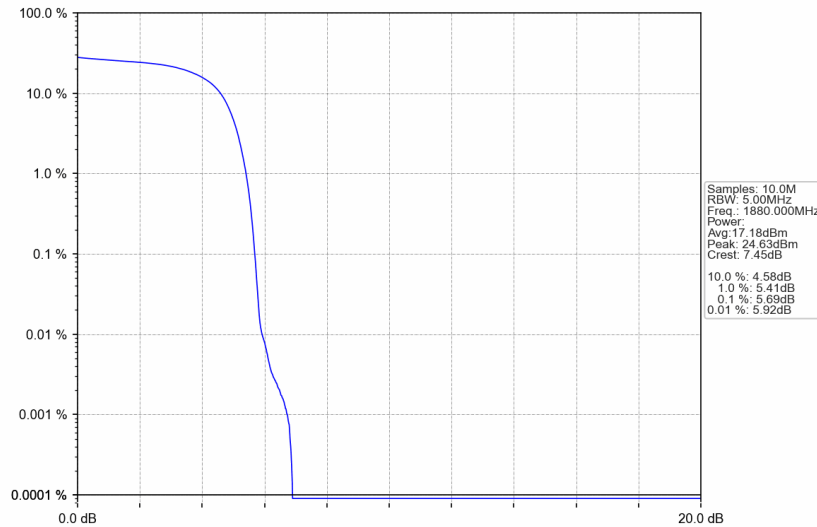
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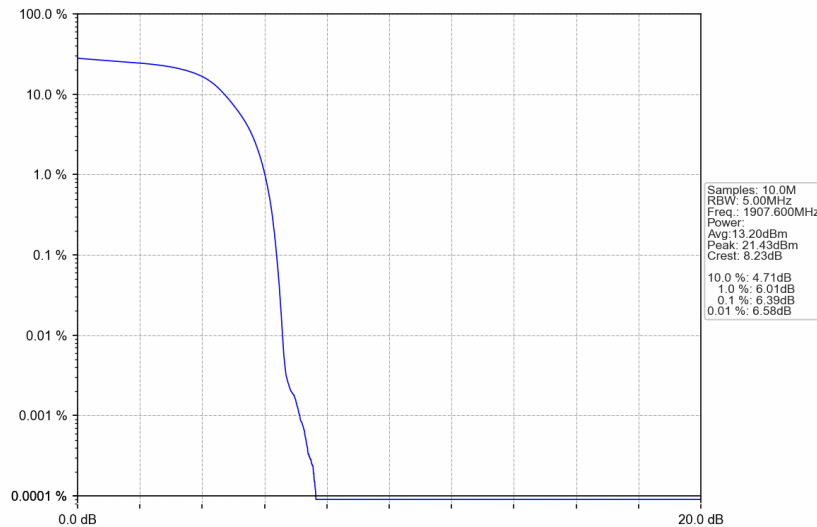
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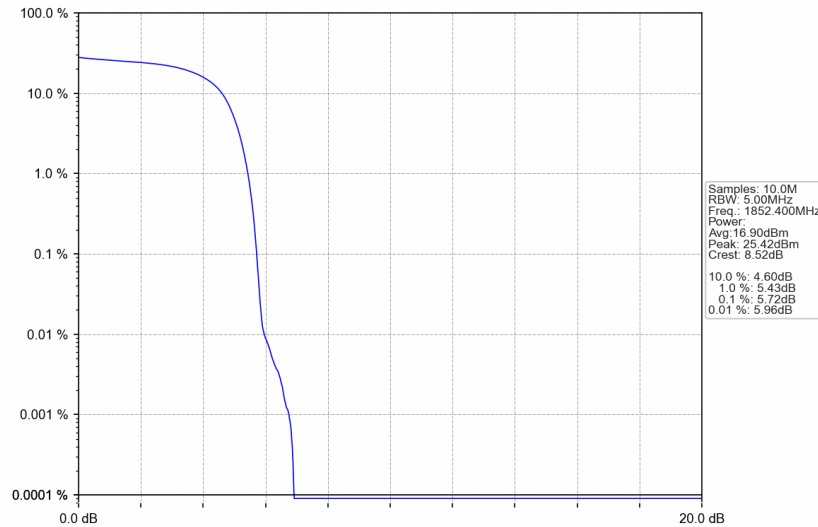
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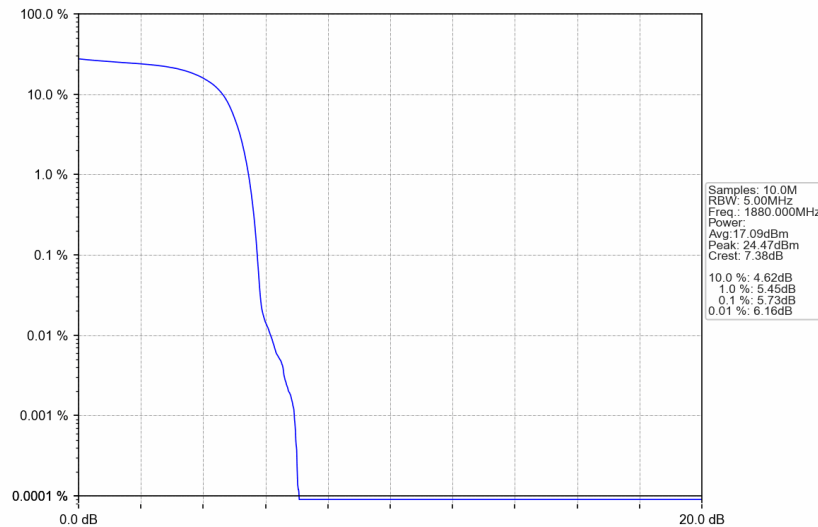
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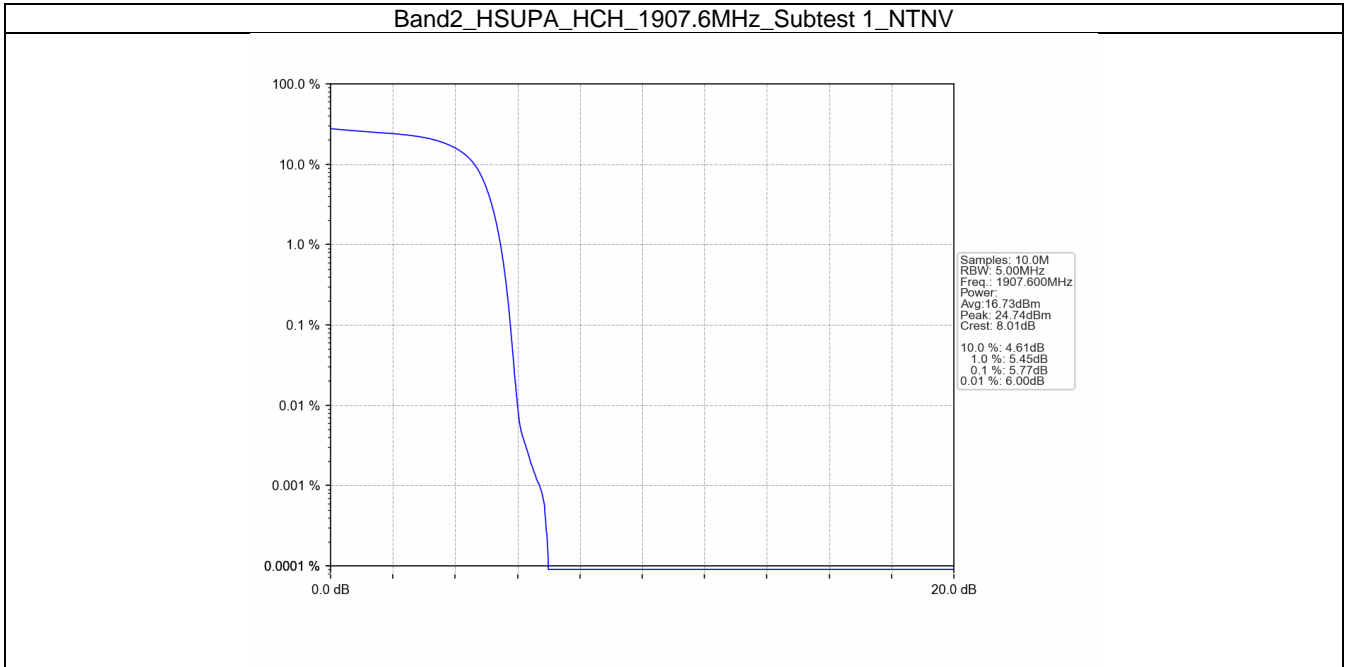
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Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



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6. Spurious Emission

6.1 Band2

6.1.1 Test Result

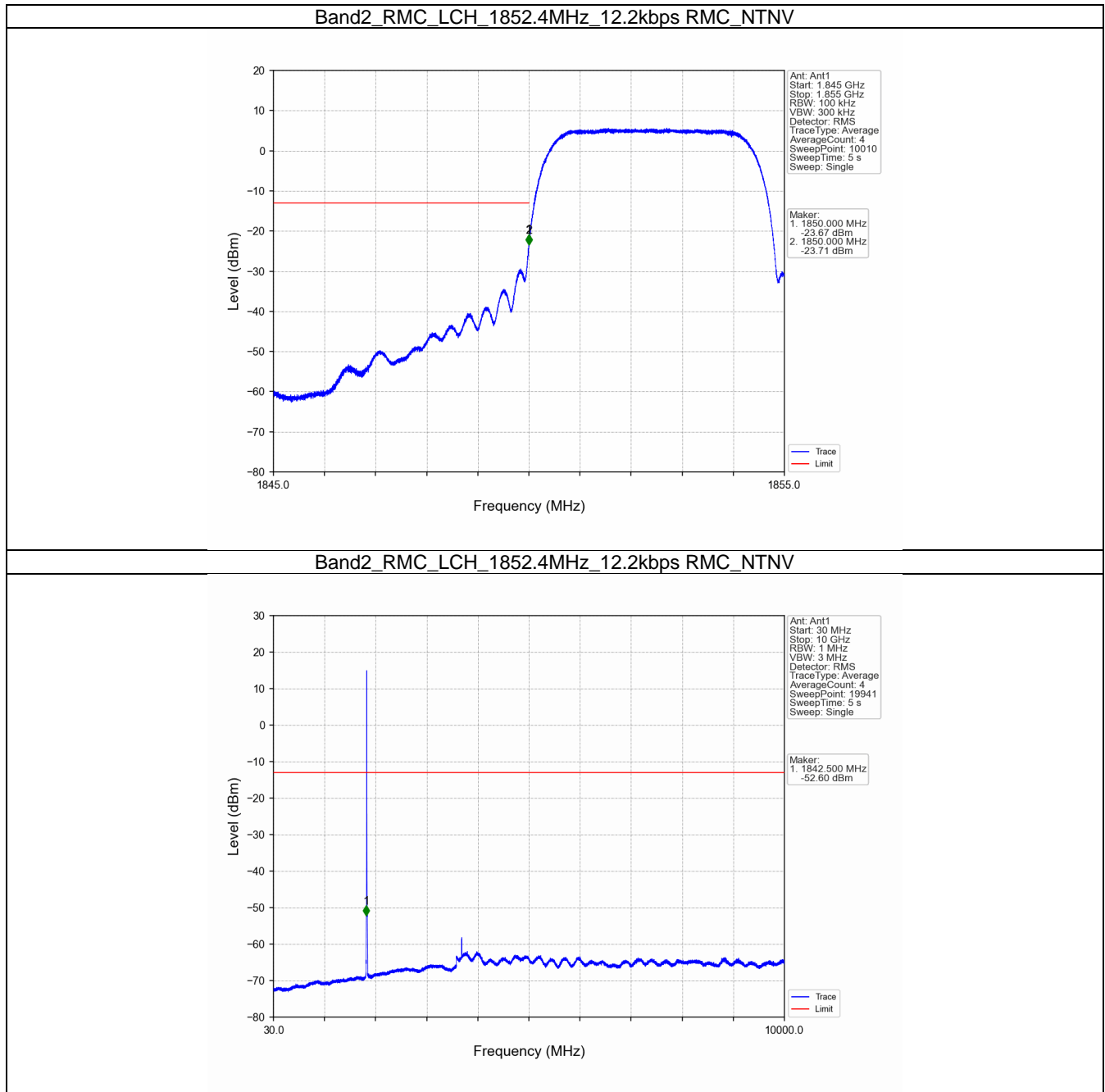
Band: 2						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass
	HSDPA	Subtest 1	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		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



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6.1.2 Test Graph



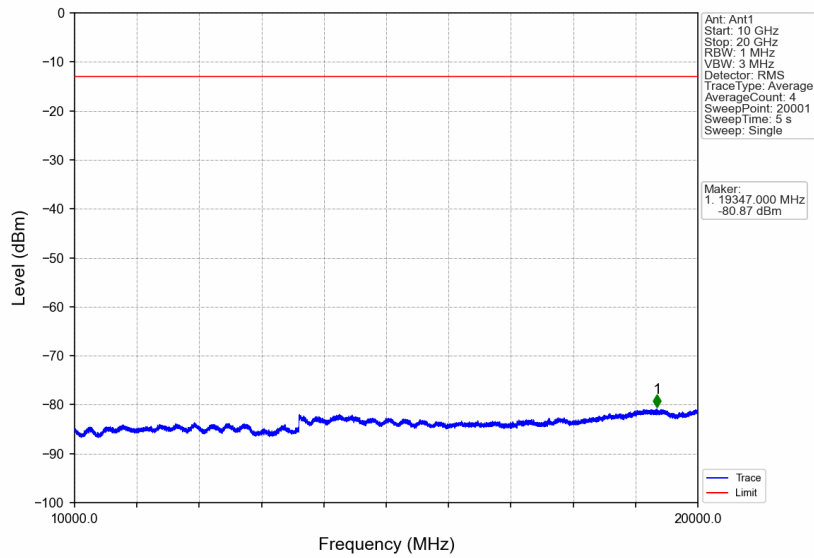
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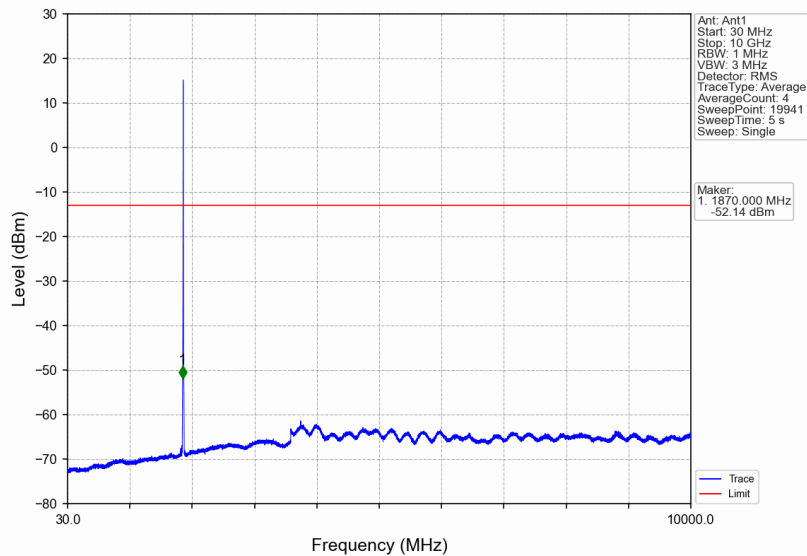
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Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV

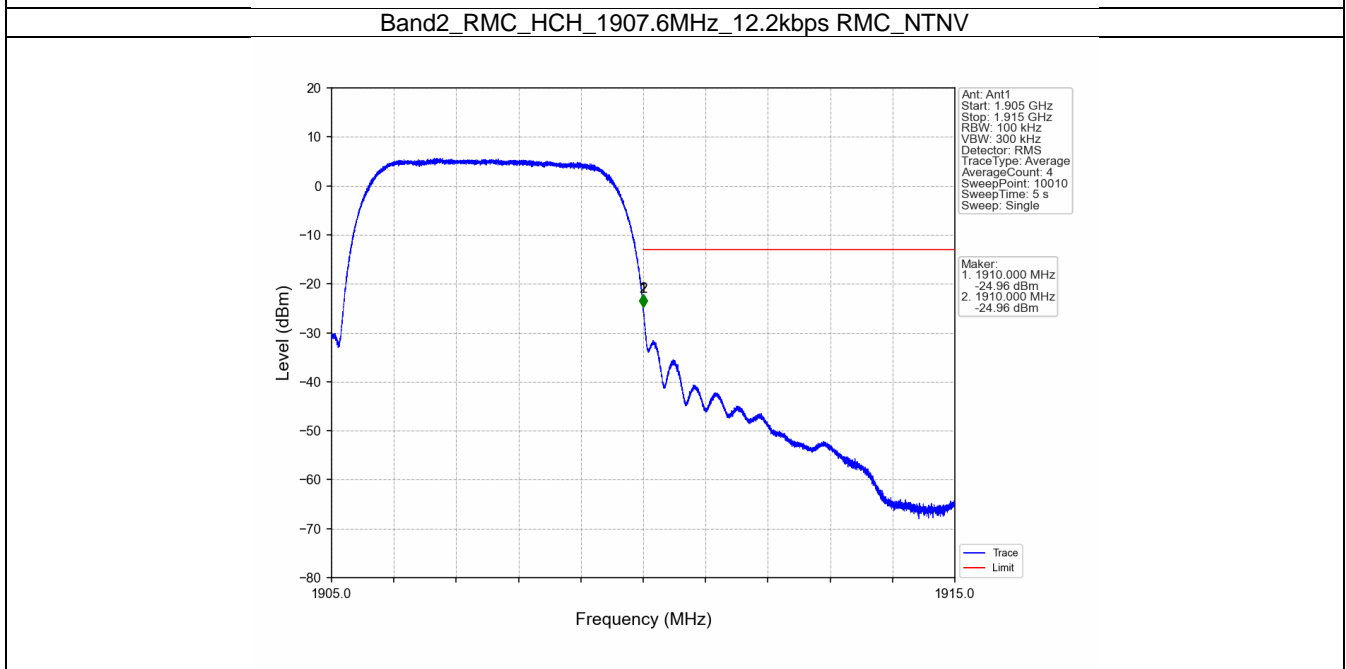
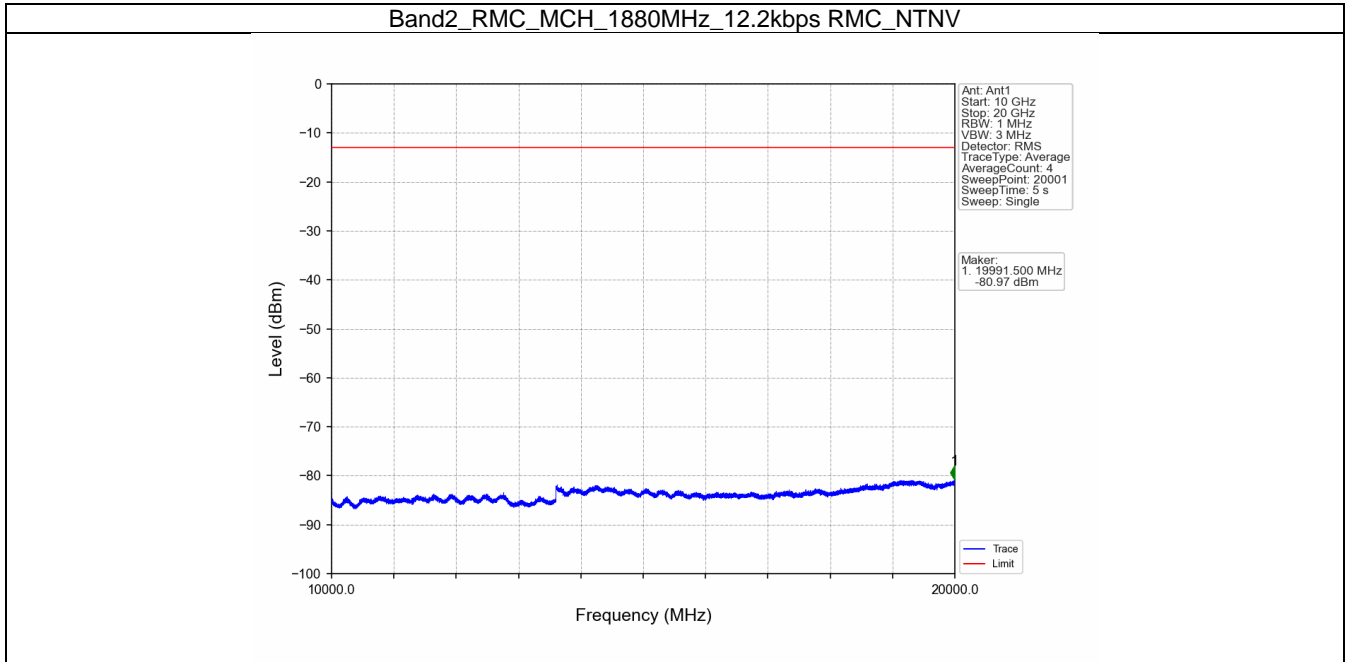


Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



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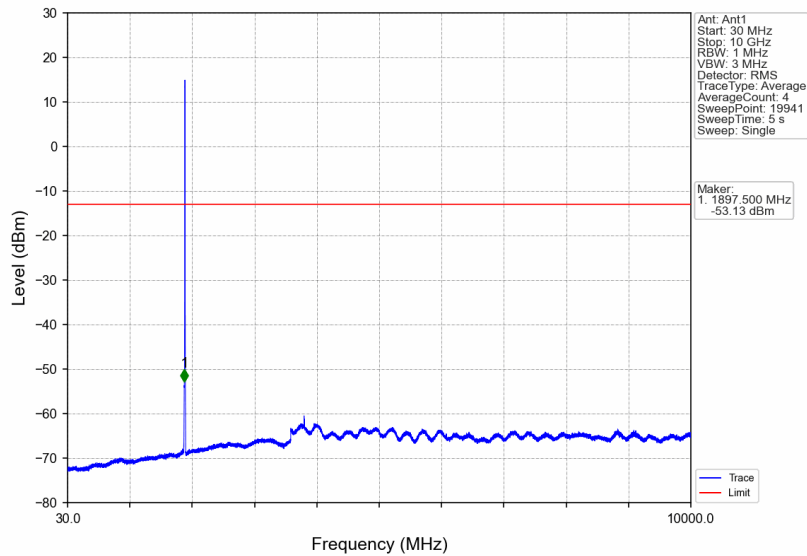
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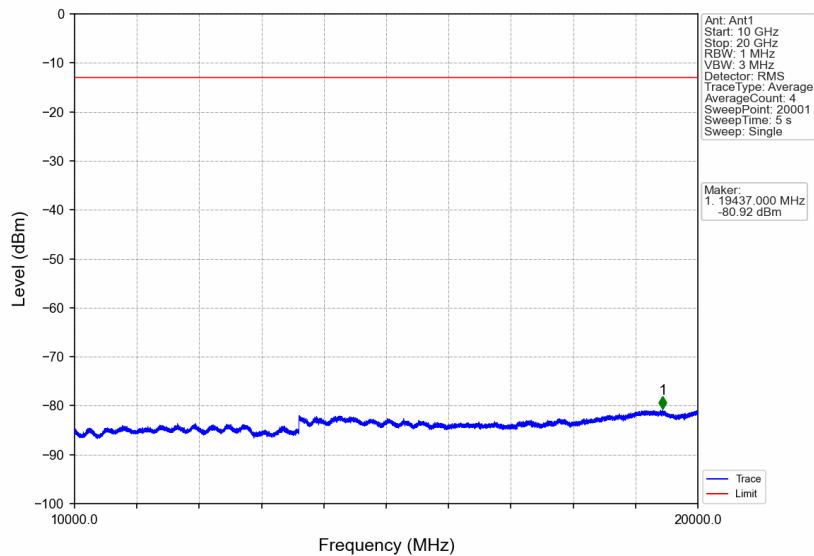
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Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



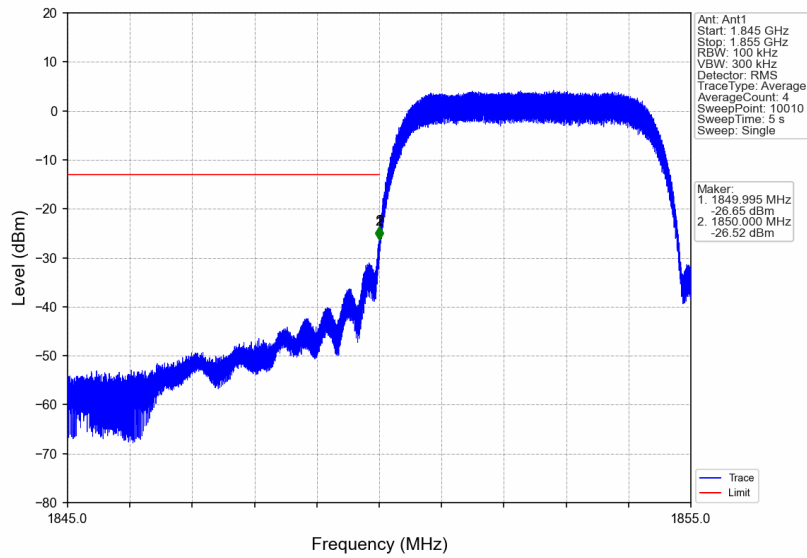
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



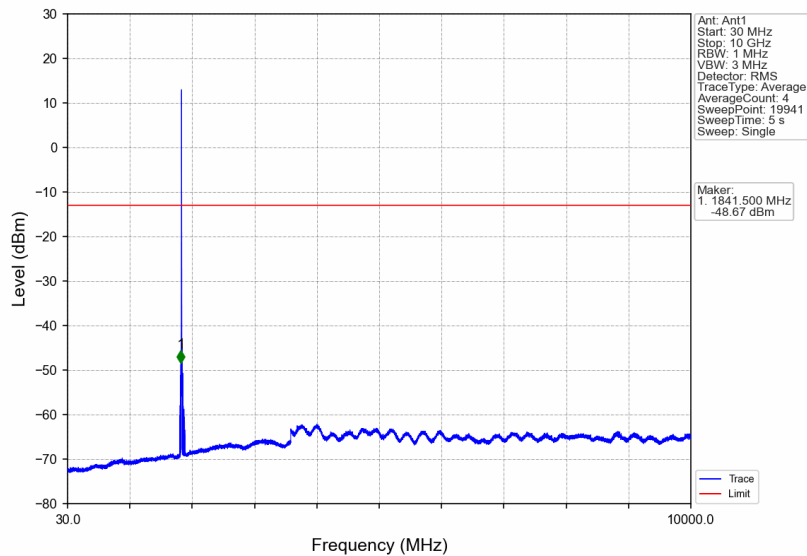
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Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV

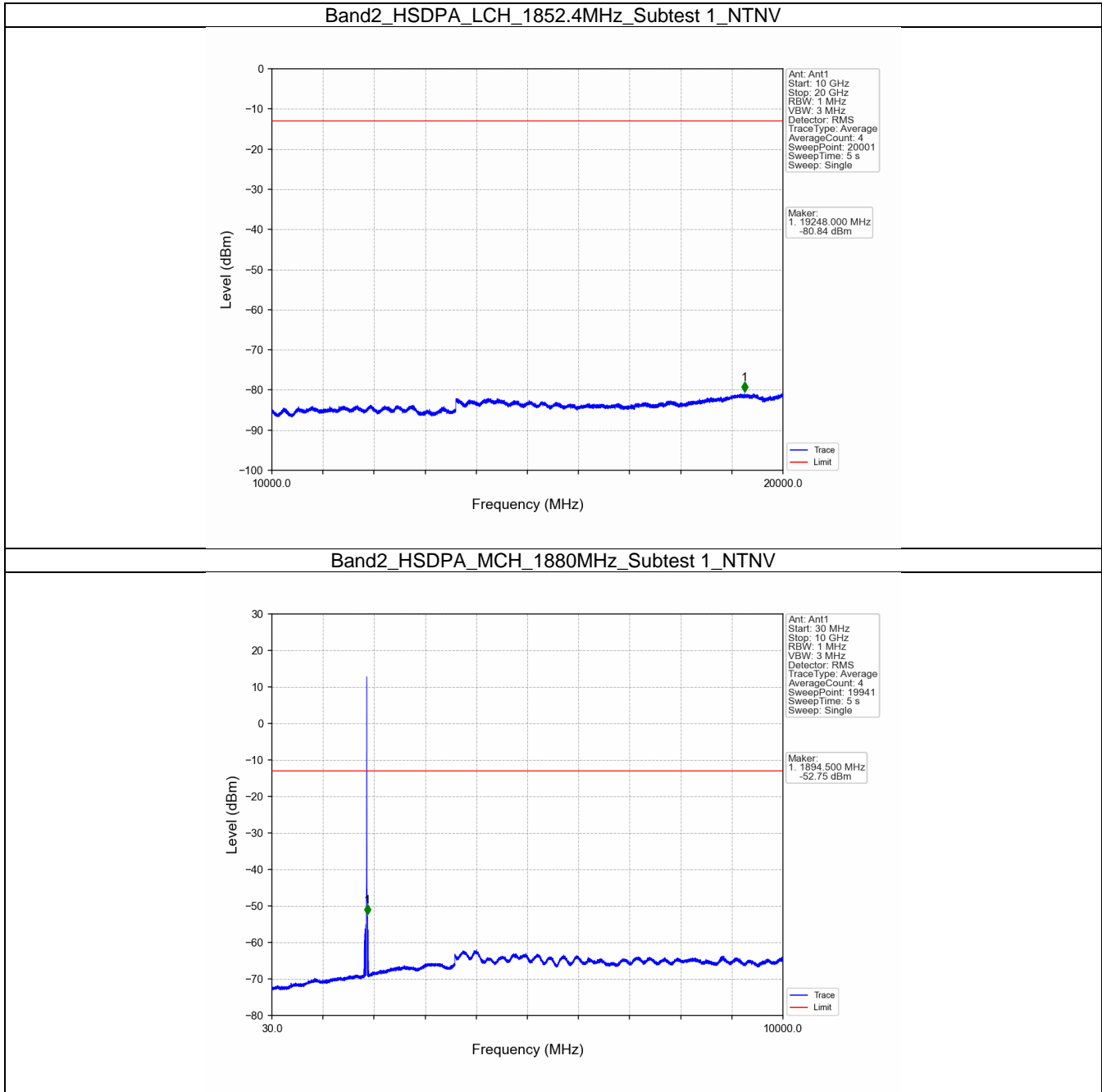


Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



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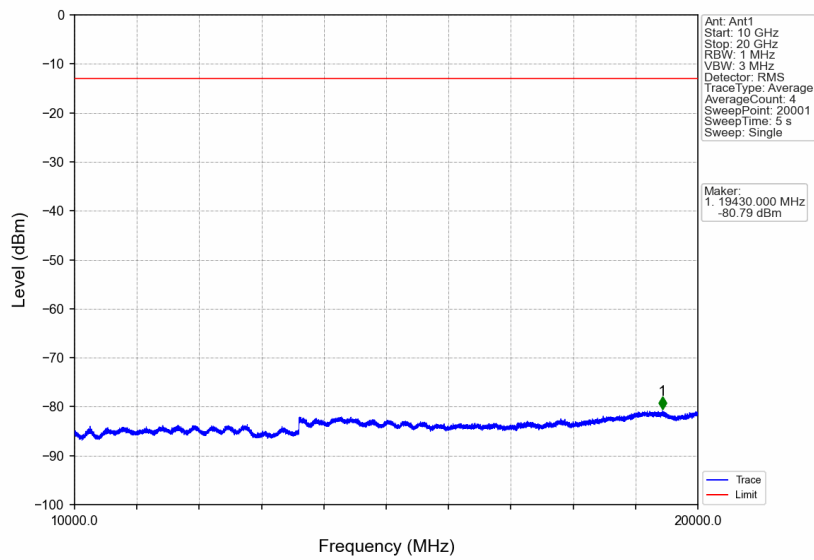
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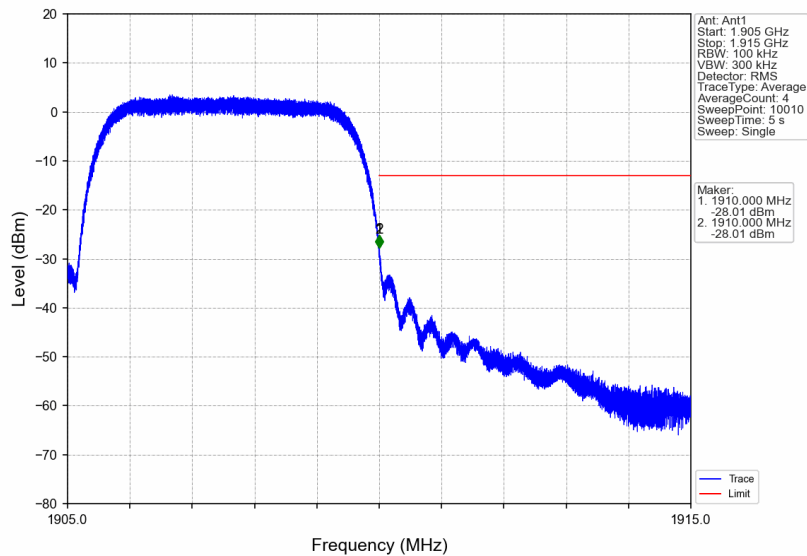
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Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



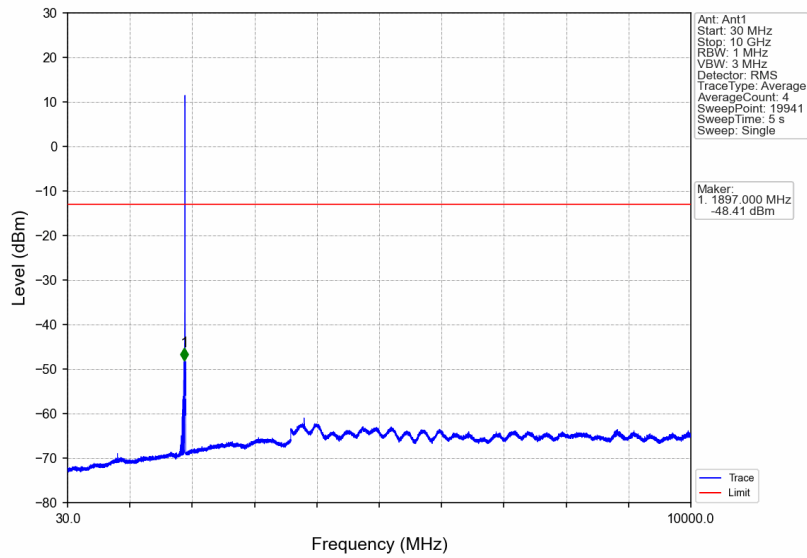
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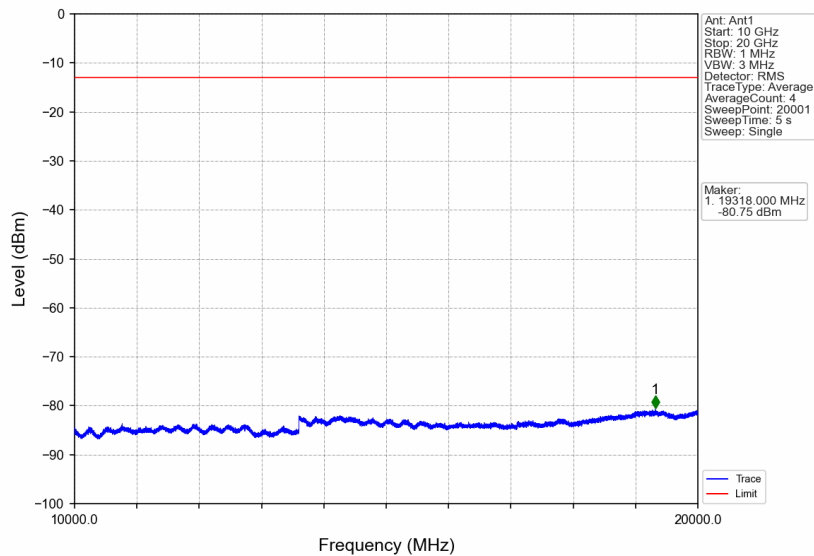
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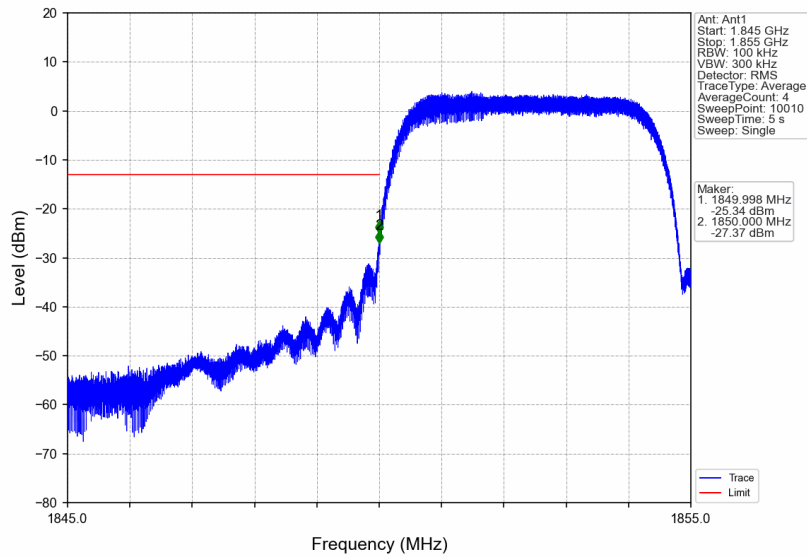
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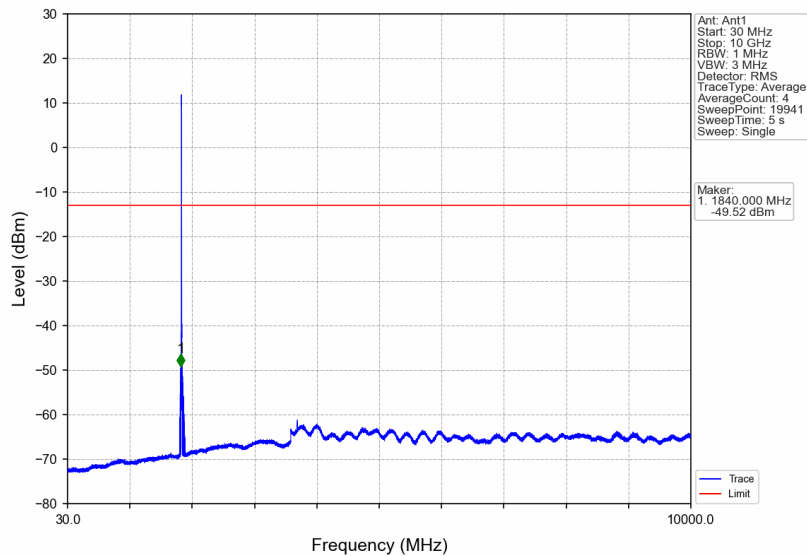
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Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



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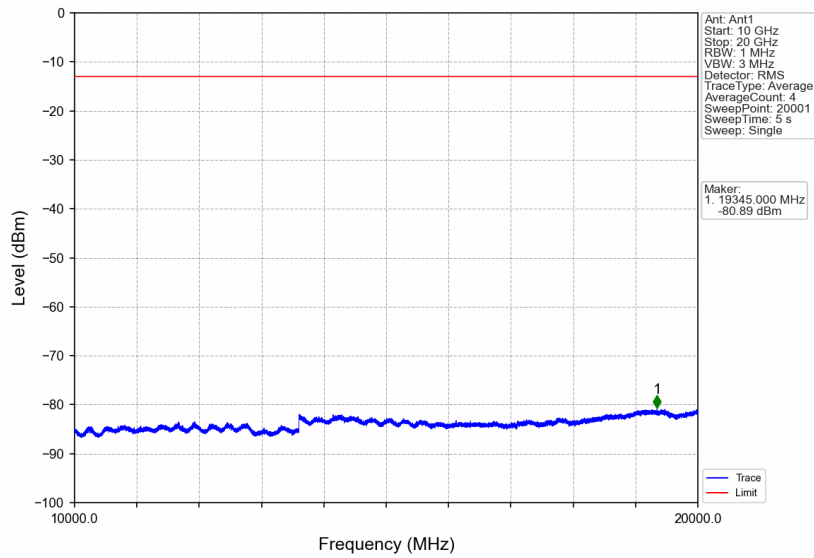
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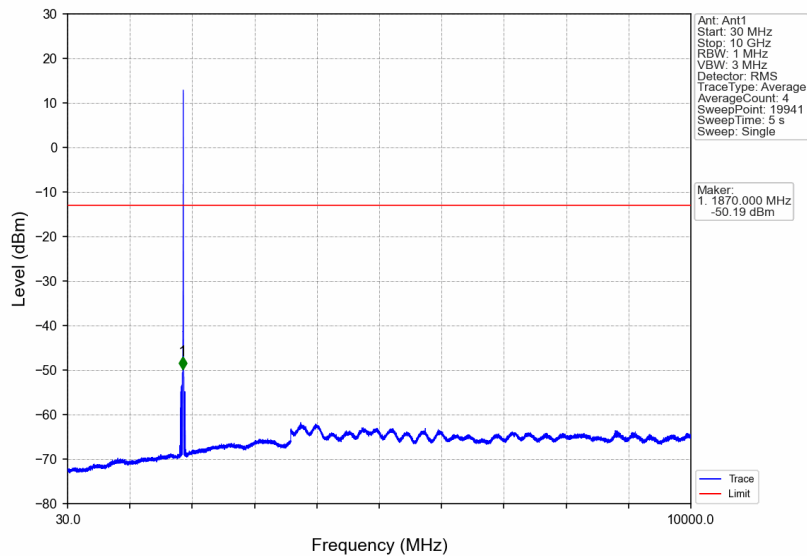
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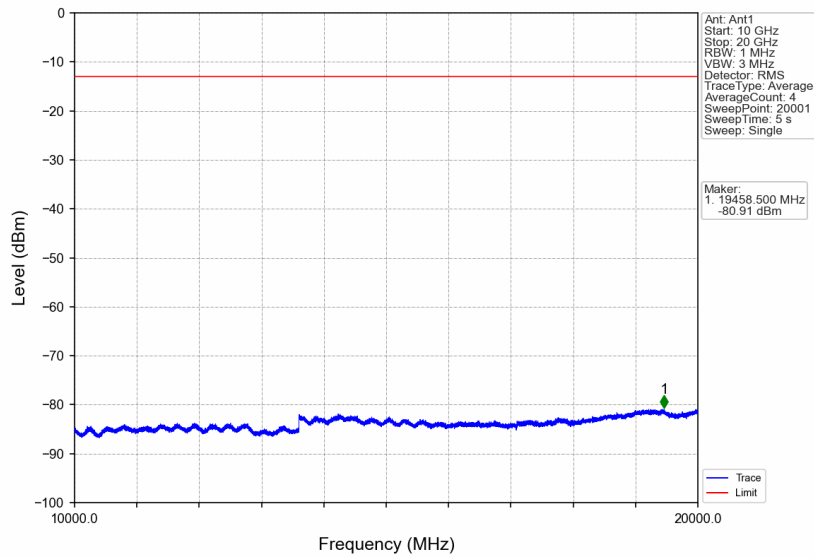
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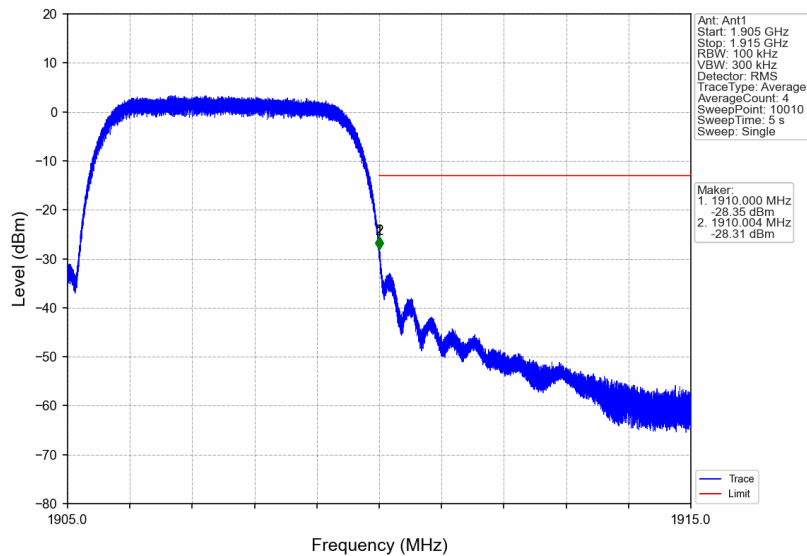
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Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



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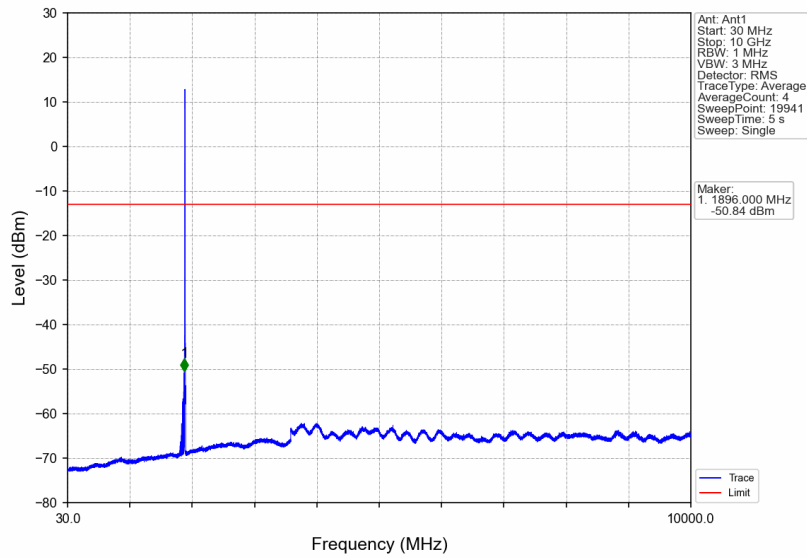
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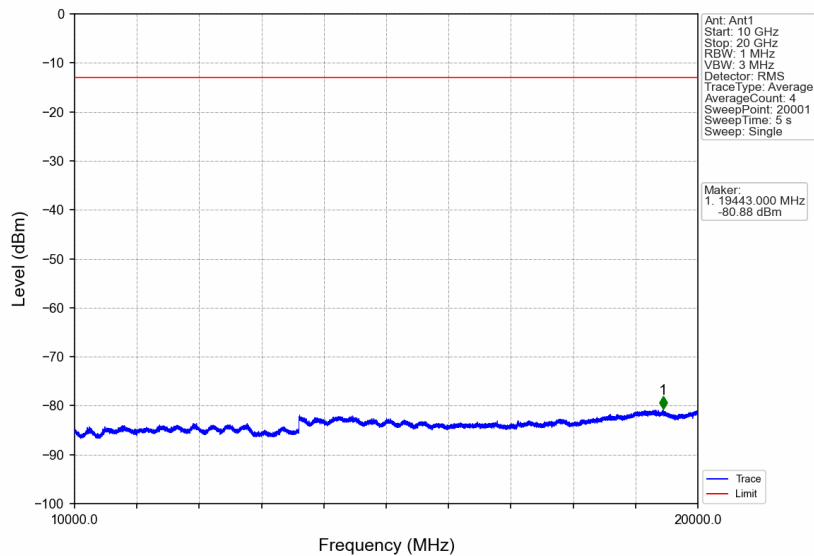
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Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



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