

Appendix Test Data for WCDMA_band_2

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	23.26	0.88	24.14	<=33.01	Pass
			1880	23.12	0.88	24.00	<=33.01	Pass
			1907.6	23.11	0.88	23.99	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	21.14	0.88	22.02	<=33.01	Pass
		Subtest 2	1852.4	21.17	0.88	22.05	<=33.01	Pass
		Subtest 3	1852.4	21.16	0.88	22.04	<=33.01	Pass
		Subtest 4	1852.4	21.16	0.88	22.04	<=33.01	Pass
		Subtest 1	1880	21.00	0.88	21.88	<=33.01	Pass
		Subtest 2	1880	20.98	0.88	21.86	<=33.01	Pass
		Subtest 3	1880	20.98	0.88	21.86	<=33.01	Pass
		Subtest 4	1880	20.98	0.88	21.86	<=33.01	Pass
		Subtest 1	1907.6	21.00	0.88	21.88	<=33.01	Pass
		Subtest 2	1907.6	20.98	0.88	21.86	<=33.01	Pass
		Subtest 3	1907.6	20.98	0.88	21.86	<=33.01	Pass
		Subtest 4	1907.6	20.98	0.88	21.86	<=33.01	Pass
	HSUPA	Subtest 1	1852.4	18.96	0.88	19.84	<=33.01	Pass
		Subtest 2	1852.4	18.27	0.88	19.15	<=33.01	Pass
		Subtest 3	1852.4	18.20	0.88	19.08	<=33.01	Pass
		Subtest 4	1852.4	18.44	0.88	19.32	<=33.01	Pass
		Subtest 5	1852.4	18.94	0.88	19.82	<=33.01	Pass
		Subtest 1	1880	18.71	0.88	19.59	<=33.01	Pass
		Subtest 2	1880	18.63	0.88	19.51	<=33.01	Pass
		Subtest 3	1880	18.93	0.88	19.81	<=33.01	Pass
		Subtest 4	1880	18.89	0.88	19.77	<=33.01	Pass
		Subtest 5	1880	19.01	0.88	19.89	<=33.01	Pass
		Subtest 1	1907.6	18.93	0.88	19.81	<=33.01	Pass
		Subtest 2	1907.6	18.65	0.88	19.53	<=33.01	Pass
		Subtest 3	1907.6	18.50	0.88	19.38	<=33.01	Pass
		Subtest 4	1907.6	18.41	0.88	19.29	<=33.01	Pass
		Subtest 5	1907.6	19.42	0.88	20.30	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1852.4	20	3.15	3.269	0.0018	-2.5 to 2.5	Pass
			3.80	3.204	0.0017	-2.5 to 2.5	Pass
			4.26	3.755	0.0020	-2.5 to 2.5	Pass
		-30	3.80	3.641	0.0020	-2.5 to 2.5	Pass
		-20	3.80	3.347	0.0018	-2.5 to 2.5	Pass
		-10	3.80	3.390	0.0018	-2.5 to 2.5	Pass
		0	3.80	4.613	0.0025	-2.5 to 2.5	Pass
		10	3.80	4.427	0.0024	-2.5 to 2.5	Pass
		30	3.80	3.705	0.0020	-2.5 to 2.5	Pass
		40	3.80	3.605	0.0019	-2.5 to 2.5	Pass
		50	3.80	3.369	0.0018	-2.5 to 2.5	Pass
	1880	20	3.15	3.026	0.0016	-2.5 to 2.5	Pass
			3.80	3.641	0.0019	-2.5 to 2.5	Pass
			4.26	4.342	0.0023	-2.5 to 2.5	Pass
		-30	3.80	3.769	0.0020	-2.5 to 2.5	Pass
		-20	3.80	4.199	0.0022	-2.5 to 2.5	Pass
		-10	3.80	3.798	0.0020	-2.5 to 2.5	Pass
		0	3.80	3.233	0.0017	-2.5 to 2.5	Pass
		10	3.80	3.412	0.0018	-2.5 to 2.5	Pass
		30	3.80	3.741	0.0020	-2.5 to 2.5	Pass
		40	3.80	3.977	0.0021	-2.5 to 2.5	Pass
		50	3.80	4.442	0.0024	-2.5 to 2.5	Pass
	1907.6	20	3.15	3.676	0.0019	-2.5 to 2.5	Pass
			3.80	4.170	0.0022	-2.5 to 2.5	Pass
			4.26	5.171	0.0027	-2.5 to 2.5	Pass
		-30	3.80	3.891	0.0020	-2.5 to 2.5	Pass
		-20	3.80	4.241	0.0022	-2.5 to 2.5	Pass
		-10	3.80	4.041	0.0021	-2.5 to 2.5	Pass
		0	3.80	3.219	0.0017	-2.5 to 2.5	Pass
		10	3.80	4.134	0.0022	-2.5 to 2.5	Pass
		30	3.80	3.526	0.0018	-2.5 to 2.5	Pass
		40	3.80	4.721	0.0025	-2.5 to 2.5	Pass
		50	3.80	3.483	0.0018	-2.5 to 2.5	Pass
HSDPA	1852.4	20	3.15	1.287	0.0007	-2.5 to 2.5	Pass
			3.80	1.295	0.0007	-2.5 to 2.5	Pass
			4.26	1.044	0.0006	-2.5 to 2.5	Pass
		-30	3.80	0.958	0.0005	-2.5 to 2.5	Pass
		-20	3.80	1.073	0.0006	-2.5 to 2.5	Pass
		-10	3.80	1.338	0.0007	-2.5 to 2.5	Pass
		0	3.80	2.410	0.0013	-2.5 to 2.5	Pass
		10	3.80	1.316	0.0007	-2.5 to 2.5	Pass
		30	3.80	2.317	0.0013	-2.5 to 2.5	Pass
		40	3.80	1.059	0.0006	-2.5 to 2.5	Pass
		50	3.80	1.523	0.0008	-2.5 to 2.5	Pass
	1880	20	3.15	1.473	0.0008	-2.5 to 2.5	Pass
			3.80	0.272	0.0001	-2.5 to 2.5	Pass
			4.26	1.345	0.0007	-2.5 to 2.5	Pass
		-30	3.80	1.037	0.0006	-2.5 to 2.5	Pass
		-20	3.80	1.502	0.0008	-2.5 to 2.5	Pass
		-10	3.80	0.730	0.0004	-2.5 to 2.5	Pass

		0	3.80	1.338	0.0007	-2.5 to 2.5	Pass
		10	3.80	1.409	0.0007	-2.5 to 2.5	Pass
		30	3.80	1.044	0.0006	-2.5 to 2.5	Pass
		40	3.80	1.109	0.0006	-2.5 to 2.5	Pass
		50	3.80	1.395	0.0007	-2.5 to 2.5	Pass
	1907.6	20	3.15	0.222	0.0001	-2.5 to 2.5	Pass
			3.80	1.416	0.0007	-2.5 to 2.5	Pass
			4.26	1.574	0.0008	-2.5 to 2.5	Pass
		-30	3.80	0.801	0.0004	-2.5 to 2.5	Pass
		-20	3.80	1.116	0.0006	-2.5 to 2.5	Pass
		-10	3.80	2.060	0.0011	-2.5 to 2.5	Pass
		0	3.80	-0.172	-0.0001	-2.5 to 2.5	Pass
		10	3.80	0.372	0.0002	-2.5 to 2.5	Pass
		30	3.80	1.688	0.0009	-2.5 to 2.5	Pass
		40	3.80	0.587	0.0003	-2.5 to 2.5	Pass
		50	3.80	1.273	0.0007	-2.5 to 2.5	Pass
HSUPA	1852.4	20	3.15	8.190	0.0044	-2.5 to 2.5	Pass
			3.80	8.054	0.0043	-2.5 to 2.5	Pass
			4.26	8.576	0.0046	-2.5 to 2.5	Pass
		-30	3.80	9.041	0.0049	-2.5 to 2.5	Pass
		-20	3.80	8.297	0.0045	-2.5 to 2.5	Pass
		-10	3.80	8.476	0.0046	-2.5 to 2.5	Pass
		0	3.80	8.590	0.0046	-2.5 to 2.5	Pass
		10	3.80	7.424	0.0040	-2.5 to 2.5	Pass
		30	3.80	9.542	0.0052	-2.5 to 2.5	Pass
		40	3.80	9.234	0.0050	-2.5 to 2.5	Pass
		50	3.80	6.216	0.0034	-2.5 to 2.5	Pass
	1880	20	3.15	8.826	0.0047	-2.5 to 2.5	Pass
			3.80	7.489	0.0040	-2.5 to 2.5	Pass
			4.26	7.010	0.0037	-2.5 to 2.5	Pass
		-30	3.80	7.324	0.0039	-2.5 to 2.5	Pass
		-20	3.80	8.583	0.0046	-2.5 to 2.5	Pass
		-10	3.80	6.459	0.0034	-2.5 to 2.5	Pass
		0	3.80	5.436	0.0029	-2.5 to 2.5	Pass
		10	3.80	8.905	0.0047	-2.5 to 2.5	Pass
		30	3.80	5.751	0.0031	-2.5 to 2.5	Pass
		40	3.80	7.596	0.0040	-2.5 to 2.5	Pass
		50	3.80	6.981	0.0037	-2.5 to 2.5	Pass
	1907.6	20	3.15	9.019	0.0047	-2.5 to 2.5	Pass
			3.80	7.889	0.0041	-2.5 to 2.5	Pass
			4.26	11.101	0.0058	-2.5 to 2.5	Pass
		-30	3.80	8.705	0.0046	-2.5 to 2.5	Pass
		-20	3.80	6.752	0.0035	-2.5 to 2.5	Pass
		-10	3.80	11.086	0.0058	-2.5 to 2.5	Pass
		0	3.80	12.109	0.0063	-2.5 to 2.5	Pass
		10	3.80	7.567	0.0040	-2.5 to 2.5	Pass
		30	3.80	7.625	0.0040	-2.5 to 2.5	Pass
		40	3.80	7.982	0.0042	-2.5 to 2.5	Pass
		50	3.80	9.677	0.0051	-2.5 to 2.5	Pass

3. Modulation Characteristics

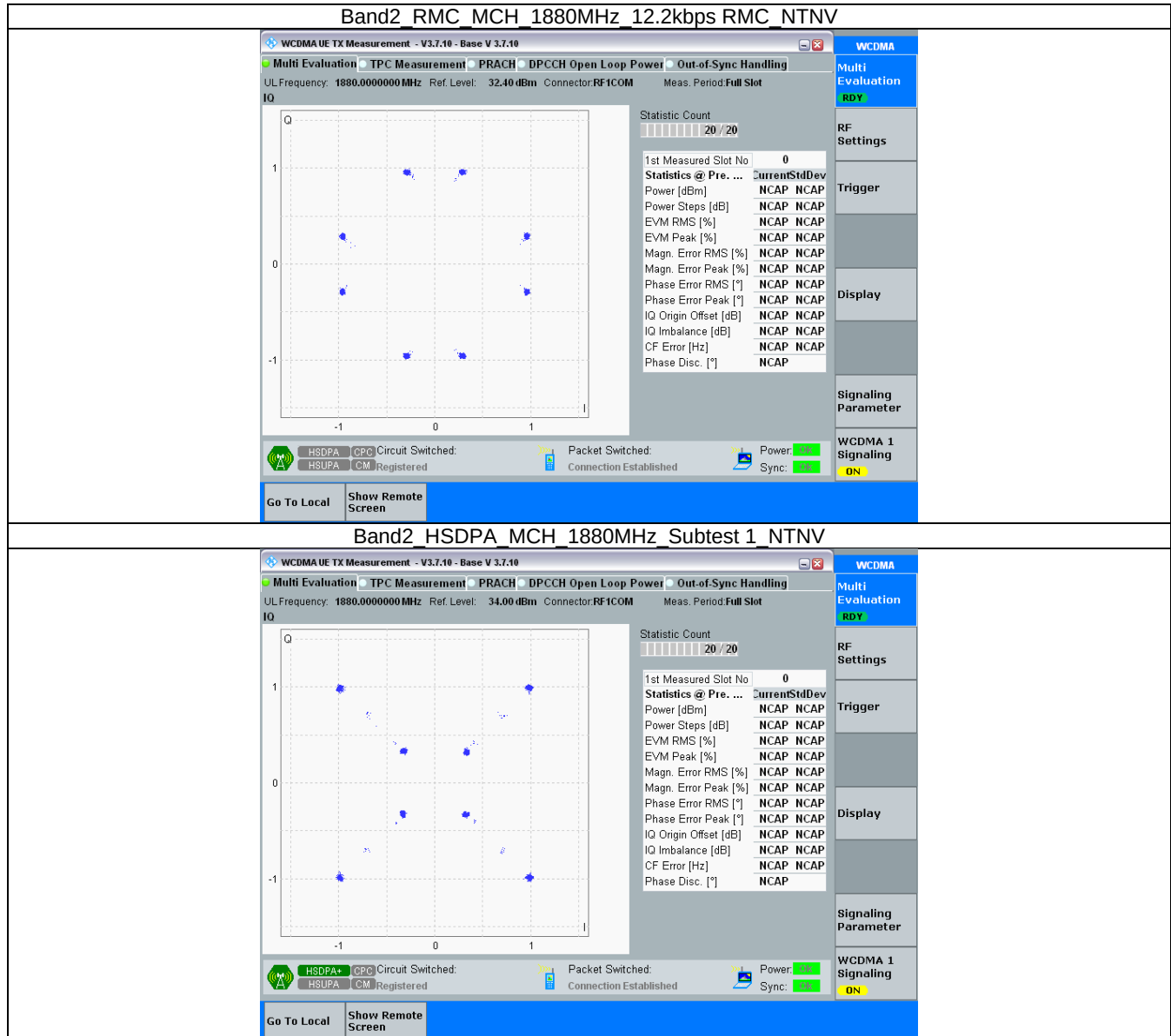
3.1 Test Result

3.1.1 Band2

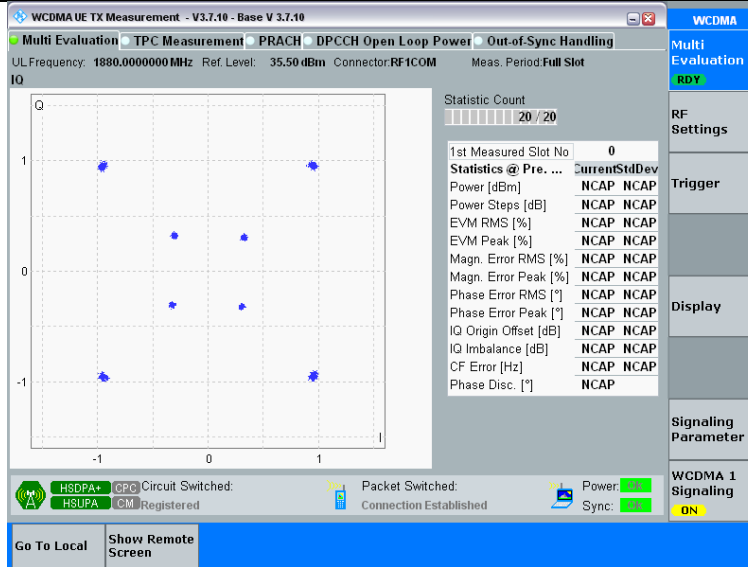
Band: 2						
ENV	Mode		Frequency (MHz)	Modulation Characteristics		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1880	Refer To Test Graph		Pass
	HSDPA	Subtest 1	1880	Refer To Test Graph		Pass
	HSUPA	Subtest 1	1880	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 Band2



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band2_OBW

Band: 2						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.172	/	Pass
			1880	4.189	/	Pass
			1907.6	4.174	/	Pass
	HSDPA	Subtest 1	1852.4	4.173	/	Pass
			1880	4.187	/	Pass
			1907.6	4.176	/	Pass
	HSUPA	Subtest 1	1852.4	4.196	/	Pass
			1880	4.206	/	Pass
			1907.6	4.181	/	Pass

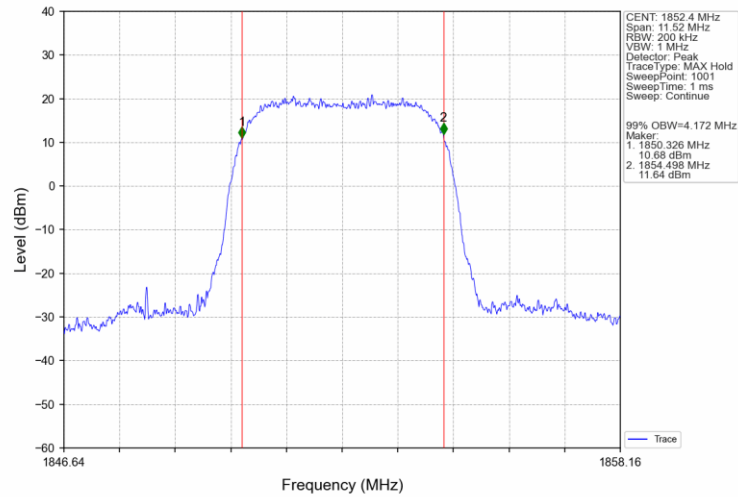
4.1.2 Band2_XDB

Band: 2						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.802	/	Pass
			1880	4.795	/	Pass
			1907.6	4.787	/	Pass
	HSDPA	Subtest 1	1852.4	4.805	/	Pass
			1880	4.810	/	Pass
			1907.6	4.774	/	Pass
	HSUPA	Subtest 1	1852.4	4.817	/	Pass
			1880	4.825	/	Pass
			1907.6	4.794	/	Pass

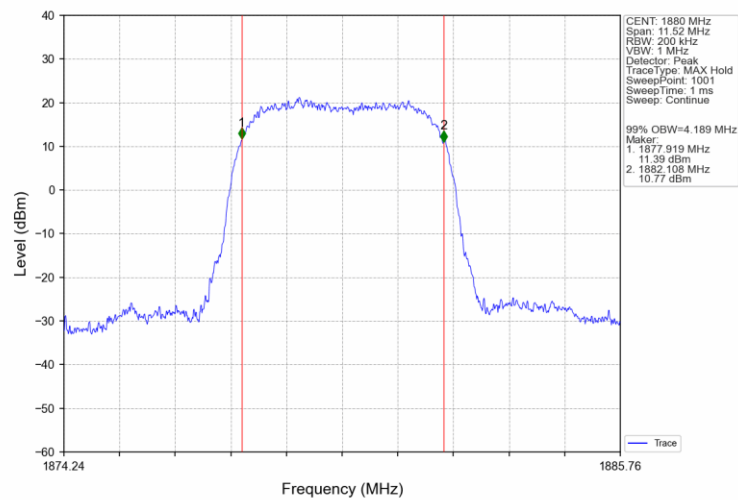
4.2 Test Graph

4.2.1 Band2_OBW

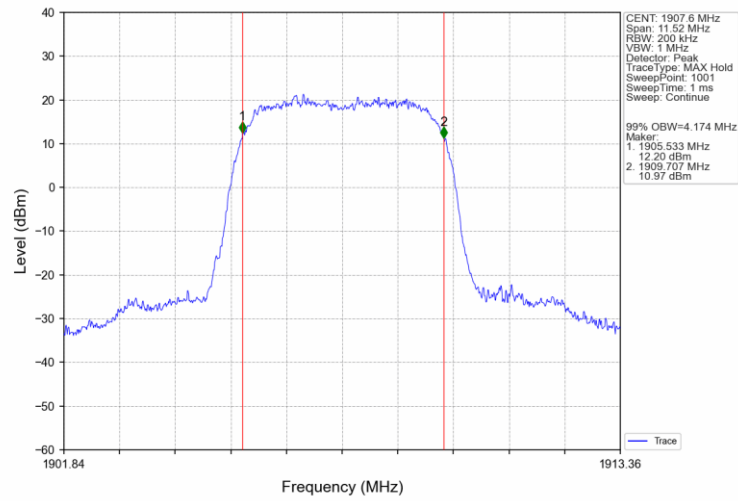
Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



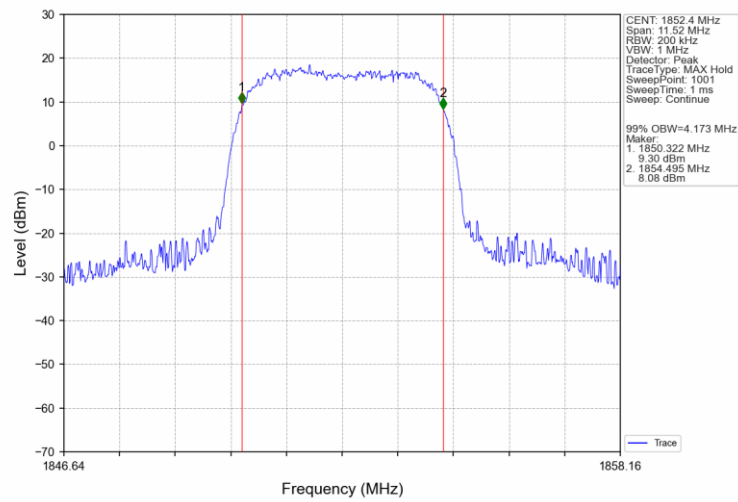
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



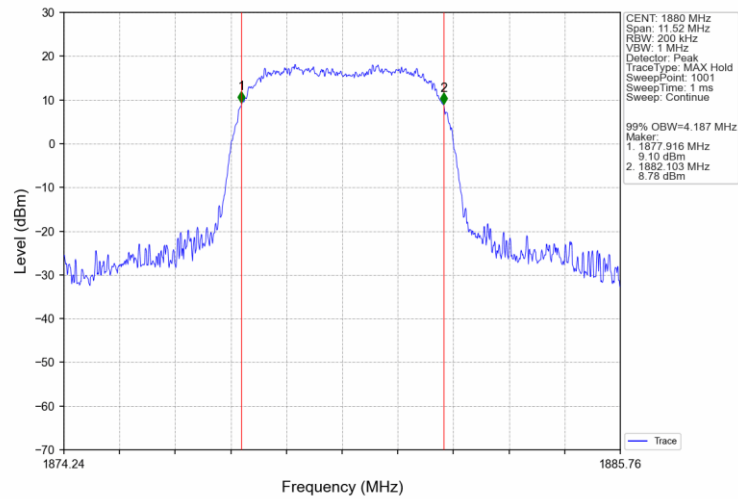
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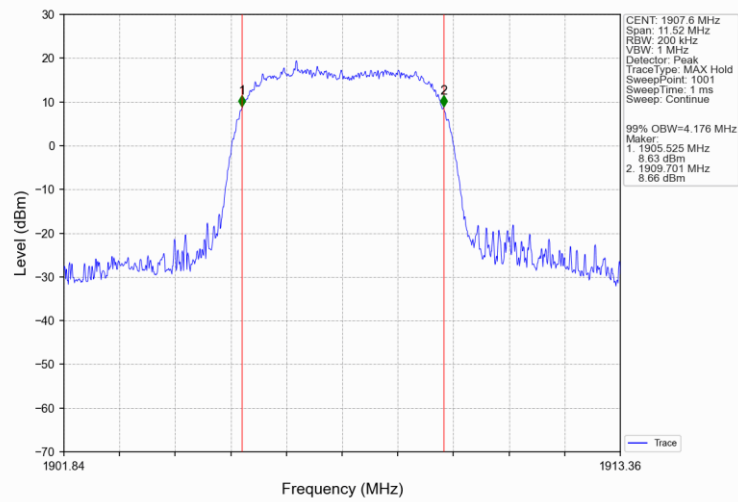
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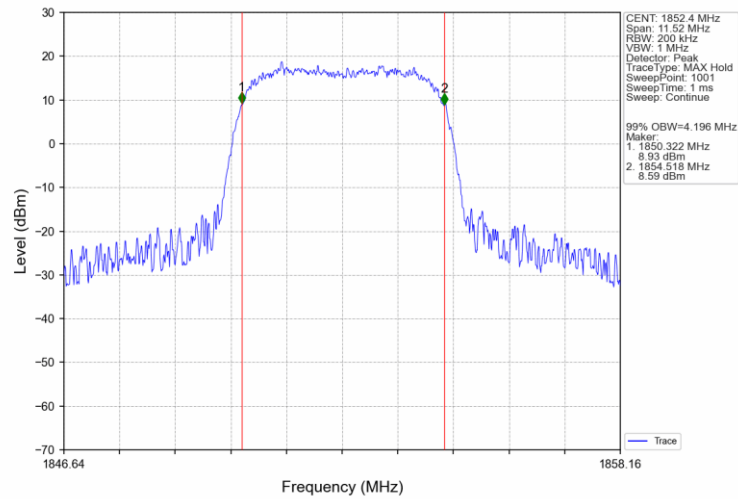
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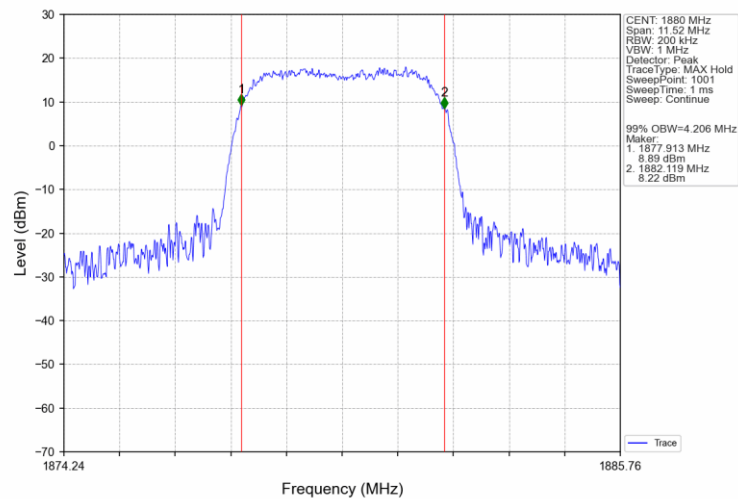
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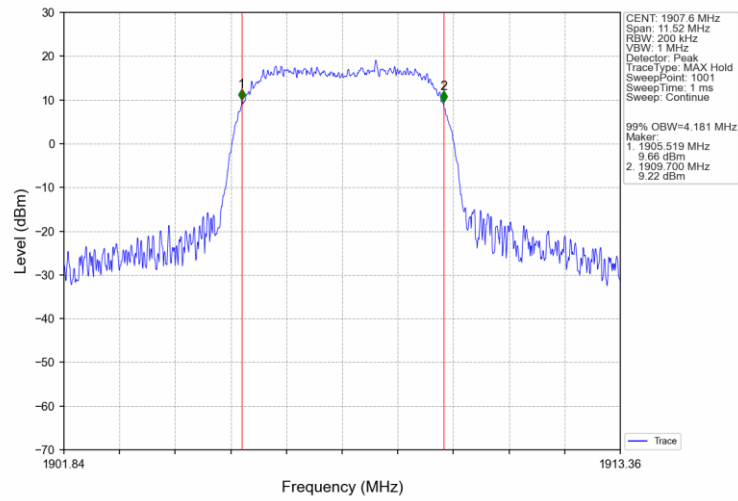
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV

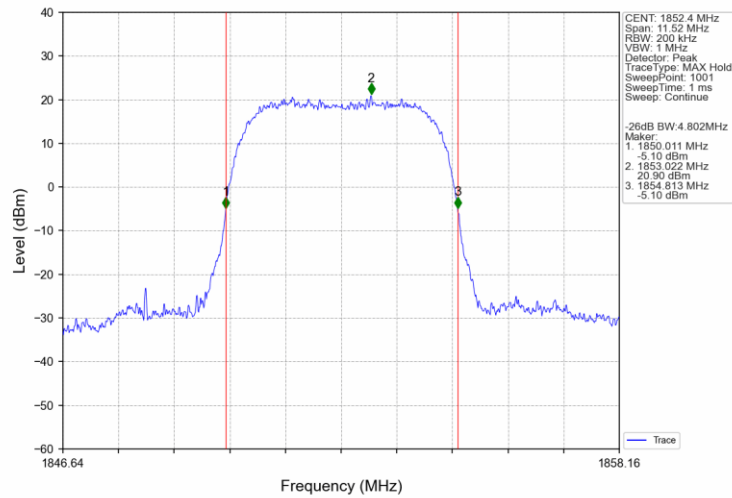


Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

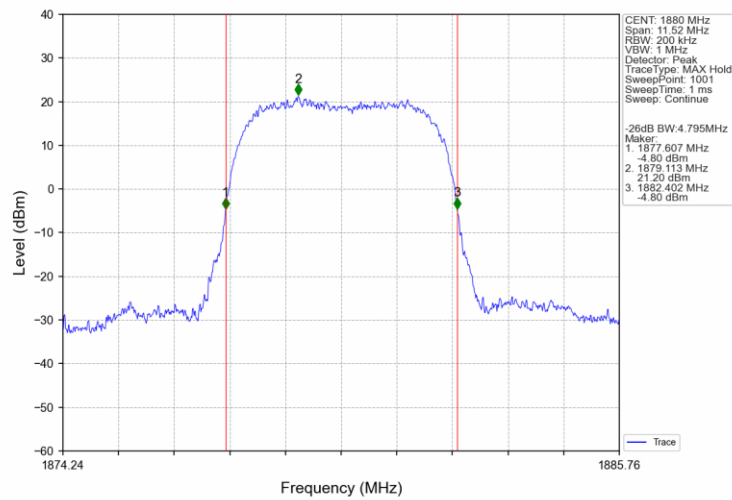


4.2.2 Band2_XDB

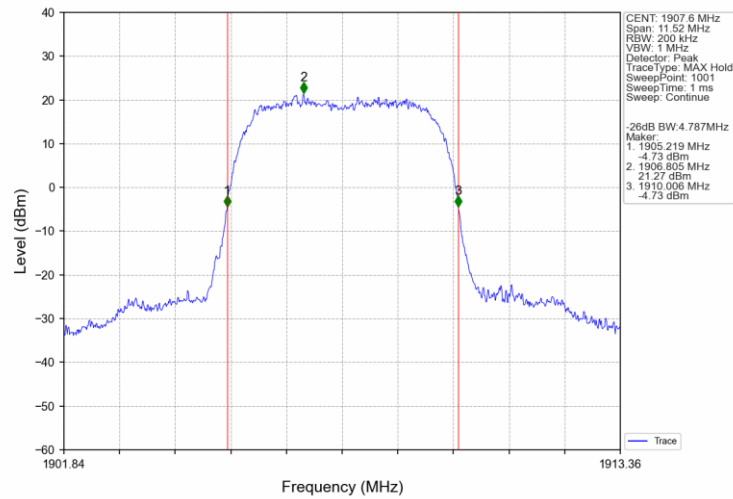
Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



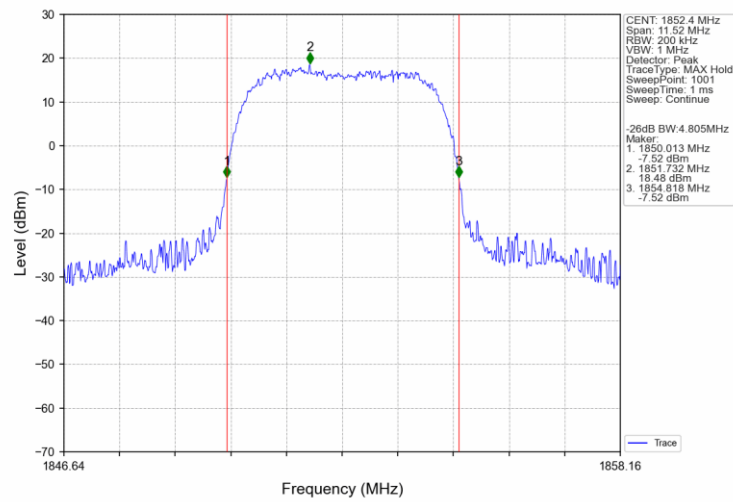
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



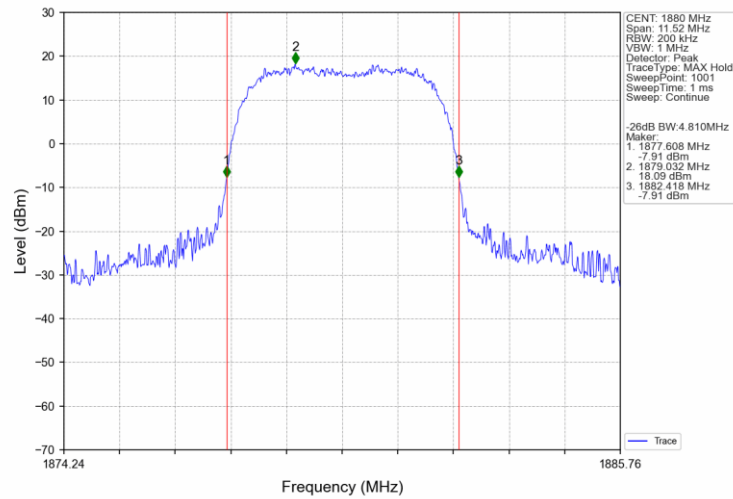
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



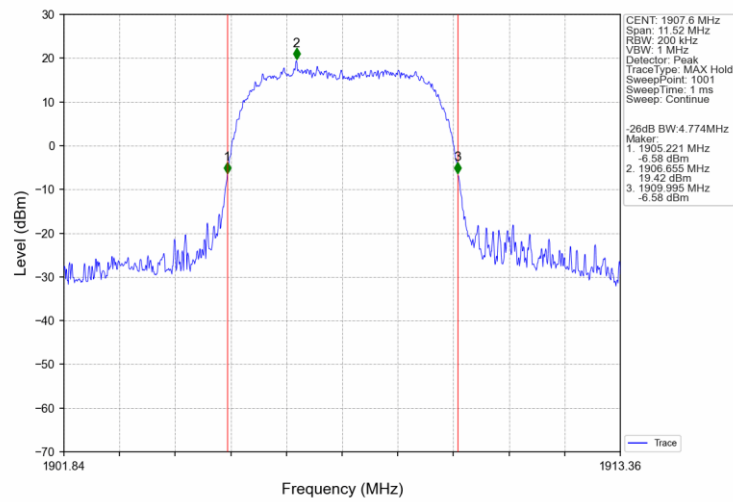
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



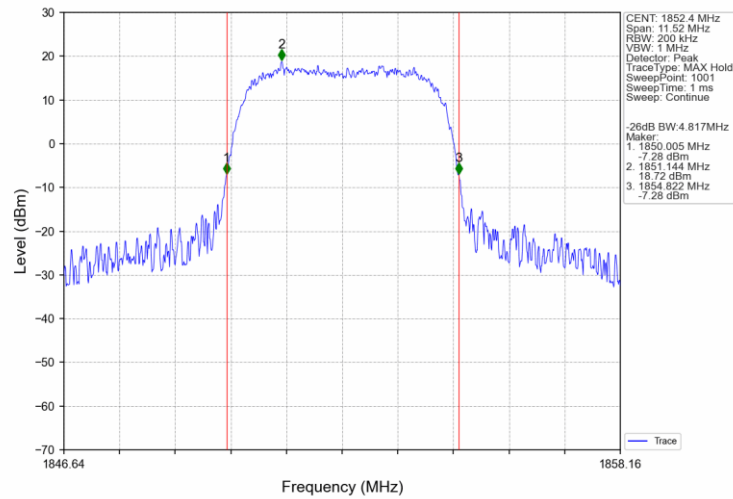
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



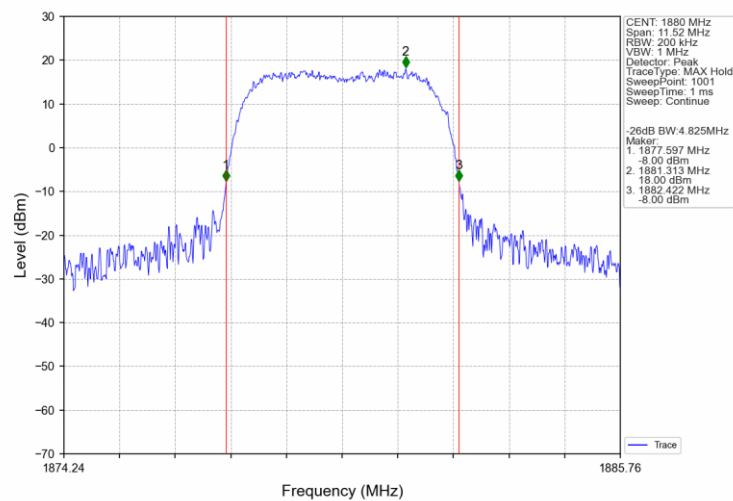
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV

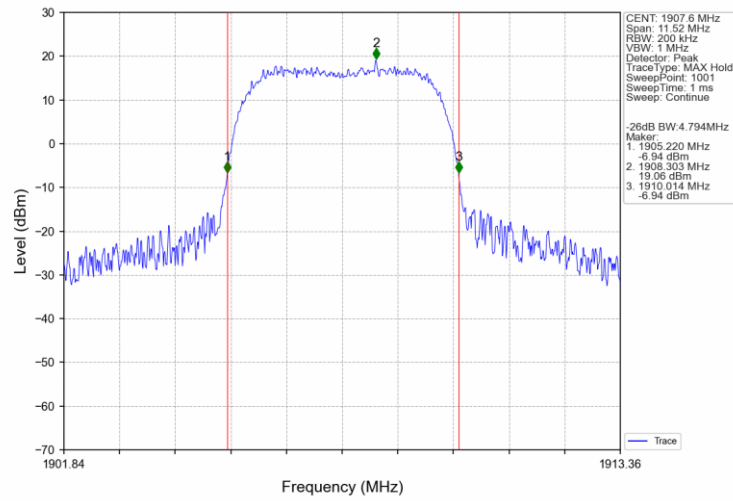


Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV





Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



5. Peak-Average Ratio

5.1 Test Result

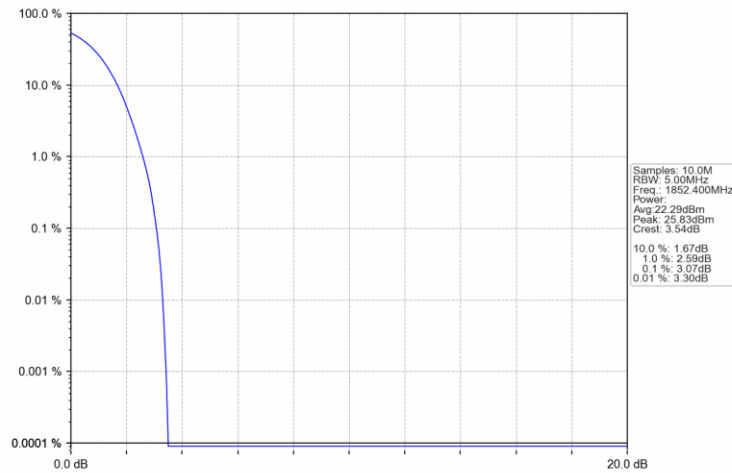
5.1.1 Band2

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.07	<=13	Pass
			1880	3.10	<=13	Pass
			1907.6	3.00	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.74	<=13	Pass
			1880	5.76	<=13	Pass
			1907.6	5.66	<=13	Pass
	HSUPA	Subtest 1	1852.4	6.92	<=13	Pass
			1880	6.89	<=13	Pass
			1907.6	6.73	<=13	Pass

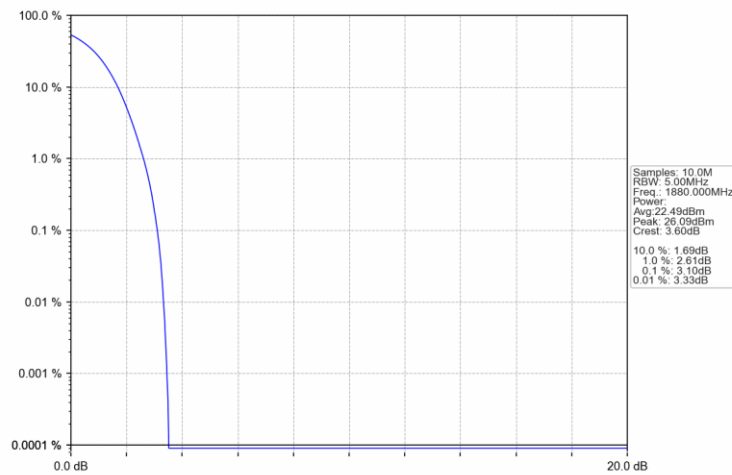
5.2 Test Graph

5.2.1 Band2

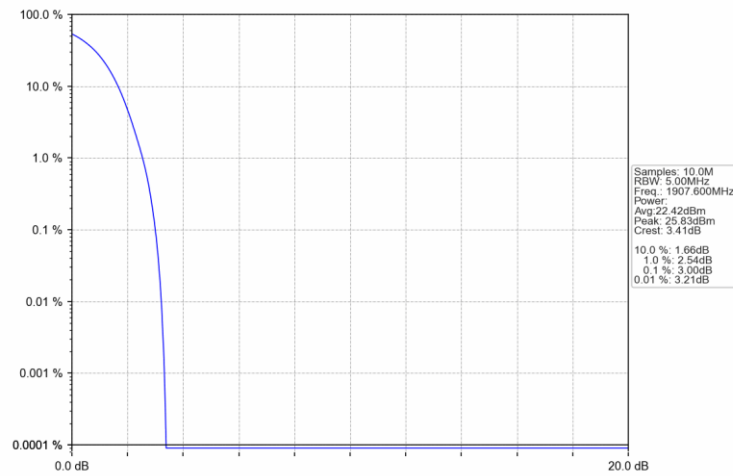
Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



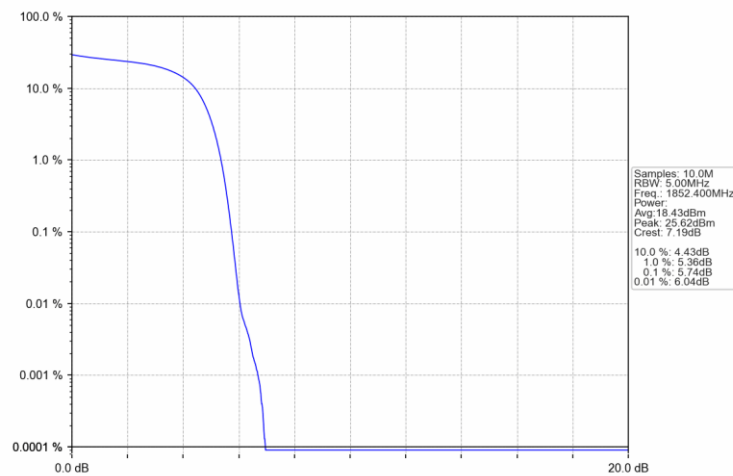
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



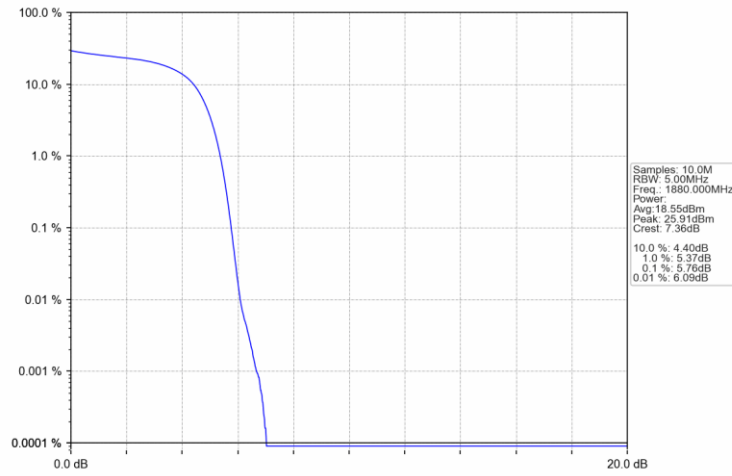
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



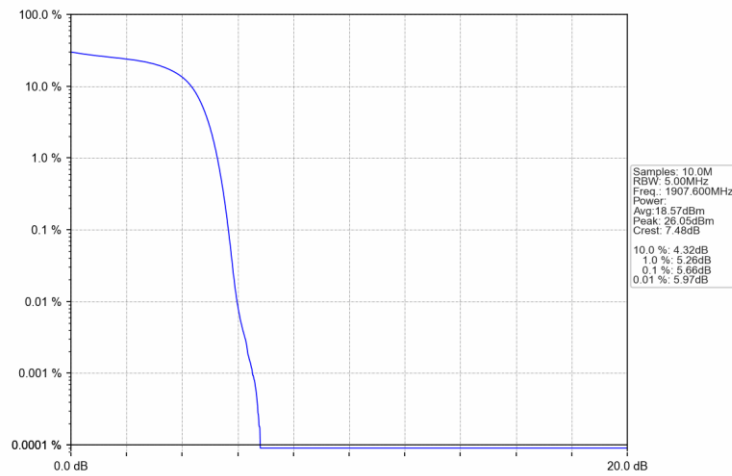
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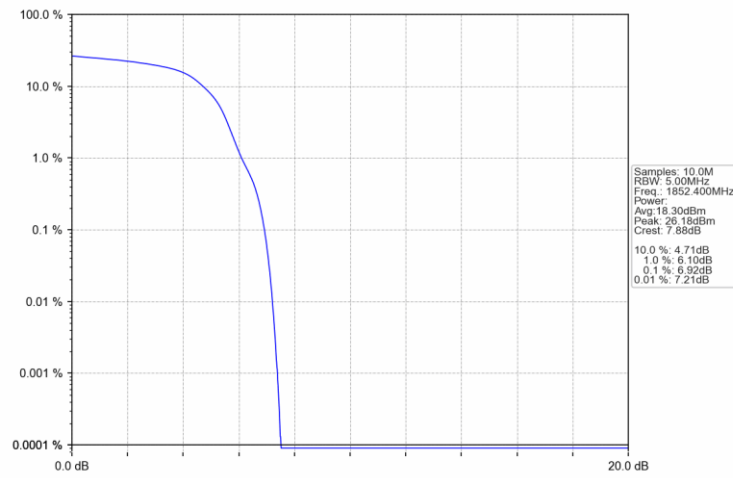
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



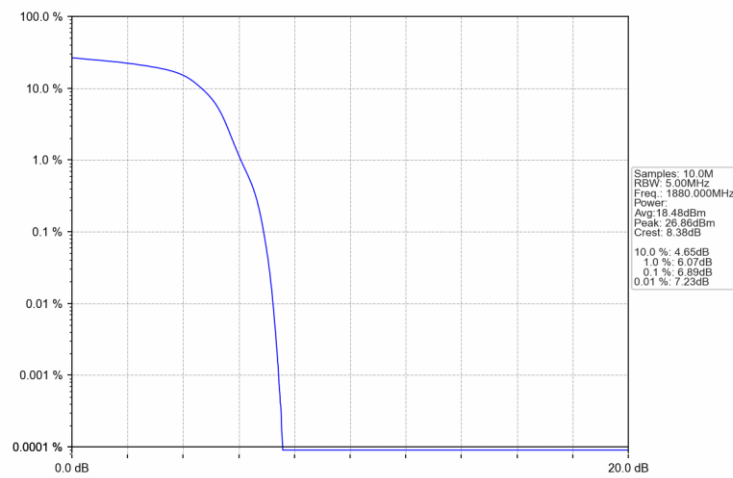
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

