

Appendix G for KSCR220400050307

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	22.10	2.00	24.10	<=33.01	Pass
			1880	24.15	2.00	26.15	<=33.01	Pass
			1907.6	24.43	2.00	26.43	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	22.35	2.00	24.35	<=33.01	Pass
			1852.4	22.38	2.00	24.38	<=33.01	Pass
			1852.4	22.42	2.00	24.42	<=33.01	Pass
			1852.4	22.48	2.00	24.48	<=33.01	Pass
			1880	22.40	2.00	24.40	<=33.01	Pass
			1880	22.30	2.00	24.30	<=33.01	Pass
			1880	22.40	2.00	24.40	<=33.01	Pass
			1880	22.44	2.00	24.44	<=33.01	Pass
			1907.6	22.58	2.00	24.58	<=33.01	Pass
			1907.6	22.54	2.00	24.54	<=33.01	Pass
			1907.6	22.46	2.00	24.46	<=33.01	Pass
			1907.6	22.47	2.00	24.47	<=33.01	Pass
	HSUPA	Subtest 2	1852.4	20.92	2.00	22.92	<=33.01	Pass
			1852.4	20.60	2.00	22.60	<=33.01	Pass
			1852.4	20.59	2.00	22.59	<=33.01	Pass
			1852.4	21.15	2.00	23.15	<=33.01	Pass
			1852.4	20.62	2.00	22.62	<=33.01	Pass
			1880	20.94	2.00	22.94	<=33.01	Pass
			1880	20.85	2.00	22.85	<=33.01	Pass
			1880	21.02	2.00	23.02	<=33.01	Pass
			1880	20.81	2.00	22.81	<=33.01	Pass
			1880	20.93	2.00	22.93	<=33.01	Pass
			1907.6	21.12	2.00	23.12	<=33.01	Pass
			1907.6	20.63	2.00	22.63	<=33.01	Pass
			1907.6	20.73	2.00	22.73	<=33.01	Pass
			1907.6	21.00	2.00	23.00	<=33.01	Pass
			1907.6	21.18	2.00	23.18	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1852.4	20	6.12	-0.835	-0.0005	-2.5 to 2.5	Pass
			7.2	-1.094	-0.0006	-2.5 to 2.5	Pass
			8.28	-0.189	-0.0001	-2.5 to 2.5	Pass
		-30	7.2	-0.051	0.0000	-2.5 to 2.5	Pass
		-20	7.2	0.202	0.0001	-2.5 to 2.5	Pass
		-10	7.2	-2.739	-0.0015	-2.5 to 2.5	Pass
		0	7.2	-1.210	-0.0007	-2.5 to 2.5	Pass
		10	7.2	-1.298	-0.0007	-2.5 to 2.5	Pass
		30	7.2	-1.971	-0.0011	-2.5 to 2.5	Pass
		40	7.2	-1.301	-0.0007	-2.5 to 2.5	Pass
	50	7.2	-2.762	-0.0015	-2.5 to 2.5	Pass	
	1880	20	6.12	-1.125	-0.0006	-2.5 to 2.5	Pass
			7.2	-0.986	-0.0005	-2.5 to 2.5	Pass
			8.28	-1.103	-0.0006	-2.5 to 2.5	Pass
		-30	7.2	-1.073	-0.0006	-2.5 to 2.5	Pass
		-20	7.2	-1.405	-0.0007	-2.5 to 2.5	Pass
		-10	7.2	-0.972	-0.0005	-2.5 to 2.5	Pass
		0	7.2	-0.434	-0.0002	-2.5 to 2.5	Pass
		10	7.2	-0.899	-0.0005	-2.5 to 2.5	Pass
		30	7.2	-1.054	-0.0006	-2.5 to 2.5	Pass
		40	7.2	-1.091	-0.0006	-2.5 to 2.5	Pass
	50	7.2	-0.794	-0.0004	-2.5 to 2.5	Pass	
	1907.6	20	6.12	-0.767	-0.0004	-2.5 to 2.5	Pass
			7.2	-0.668	-0.0004	-2.5 to 2.5	Pass
			8.28	-0.285	-0.0001	-2.5 to 2.5	Pass
		-30	7.2	-1.391	-0.0007	-2.5 to 2.5	Pass
		-20	7.2	-0.177	-0.0001	-2.5 to 2.5	Pass
		-10	7.2	-0.793	-0.0004	-2.5 to 2.5	Pass
		0	7.2	-1.013	-0.0005	-2.5 to 2.5	Pass
		10	7.2	-0.642	-0.0003	-2.5 to 2.5	Pass
30		7.2	-0.452	-0.0002	-2.5 to 2.5	Pass	
40		7.2	-0.211	-0.0001	-2.5 to 2.5	Pass	
50	7.2	-0.430	-0.0002	-2.5 to 2.5	Pass		
HSDPA	1852.4	20	6.12	1.161	0.0006	-2.5 to 2.5	Pass
			7.2	1.146	0.0006	-2.5 to 2.5	Pass
			8.28	2.013	0.0011	-2.5 to 2.5	Pass
		-30	7.2	1.373	0.0007	-2.5 to 2.5	Pass
		-20	7.2	2.073	0.0011	-2.5 to 2.5	Pass
		-10	7.2	2.509	0.0014	-2.5 to 2.5	Pass
		0	7.2	1.670	0.0009	-2.5 to 2.5	Pass



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		10	7.2	2.383	0.0013	-2.5 to 2.5	Pass	
		30	7.2	1.560	0.0008	-2.5 to 2.5	Pass	
		40	7.2	1.504	0.0008	-2.5 to 2.5	Pass	
		50	7.2	2.411	0.0013	-2.5 to 2.5	Pass	
	1880	20	6.12	1.559	0.0008	-2.5 to 2.5	Pass	
			7.2	1.711	0.0009	-2.5 to 2.5	Pass	
			8.28	2.461	0.0013	-2.5 to 2.5	Pass	
		-30	7.2	1.972	0.0010	-2.5 to 2.5	Pass	
		-20	7.2	3.147	0.0017	-2.5 to 2.5	Pass	
		-10	7.2	2.786	0.0015	-2.5 to 2.5	Pass	
		0	7.2	2.966	0.0016	-2.5 to 2.5	Pass	
		10	7.2	2.194	0.0012	-2.5 to 2.5	Pass	
		30	7.2	2.920	0.0016	-2.5 to 2.5	Pass	
		40	7.2	2.856	0.0015	-2.5 to 2.5	Pass	
		50	7.2	0.958	0.0005	-2.5 to 2.5	Pass	
		1907.6	20	6.12	2.466	0.0013	-2.5 to 2.5	Pass
	7.2			2.872	0.0015	-2.5 to 2.5	Pass	
	8.28			3.209	0.0017	-2.5 to 2.5	Pass	
	-30		7.2	2.497	0.0013	-2.5 to 2.5	Pass	
	-20		7.2	2.858	0.0015	-2.5 to 2.5	Pass	
	-10		7.2	1.728	0.0009	-2.5 to 2.5	Pass	
	0		7.2	3.697	0.0019	-2.5 to 2.5	Pass	
	10		7.2	2.590	0.0014	-2.5 to 2.5	Pass	
	30		7.2	2.943	0.0015	-2.5 to 2.5	Pass	
	40		7.2	2.340	0.0012	-2.5 to 2.5	Pass	
	50		7.2	2.624	0.0014	-2.5 to 2.5	Pass	
	HSUPA		1852.4	20	6.12	-5.176	-0.0028	-2.5 to 2.5
		7.2			-3.922	-0.0021	-2.5 to 2.5	Pass
8.28		-4.457			-0.0024	-2.5 to 2.5	Pass	
-30		7.2		-2.093	-0.0011	-2.5 to 2.5	Pass	
-20		7.2		-4.584	-0.0025	-2.5 to 2.5	Pass	
-10		7.2		-3.114	-0.0017	-2.5 to 2.5	Pass	
0		7.2		-3.593	-0.0019	-2.5 to 2.5	Pass	
10		7.2		-3.950	-0.0021	-2.5 to 2.5	Pass	
30		7.2		-4.422	-0.0024	-2.5 to 2.5	Pass	
40		7.2		-2.013	-0.0011	-2.5 to 2.5	Pass	
50		7.2		-3.698	-0.0020	-2.5 to 2.5	Pass	
1880		20		6.12	-6.714	-0.0036	-2.5 to 2.5	Pass
			7.2	-6.332	-0.0034	-2.5 to 2.5	Pass	
			8.28	-6.640	-0.0035	-2.5 to 2.5	Pass	
		-30	7.2	-3.781	-0.0020	-2.5 to 2.5	Pass	
		-20	7.2	-2.824	-0.0015	-2.5 to 2.5	Pass	
		-10	7.2	-2.546	-0.0014	-2.5 to 2.5	Pass	
		0	7.2	-4.585	-0.0024	-2.5 to 2.5	Pass	
		10	7.2	-2.830	-0.0015	-2.5 to 2.5	Pass	
		30	7.2	-5.118	-0.0027	-2.5 to 2.5	Pass	
		40	7.2	-5.221	-0.0028	-2.5 to 2.5	Pass	
		50	7.2	-5.500	-0.0029	-2.5 to 2.5	Pass	
		1907.6	20	6.12	-2.516	-0.0013	-2.5 to 2.5	Pass
7.2				-4.811	-0.0025	-2.5 to 2.5	Pass	
8.28				-2.214	-0.0012	-2.5 to 2.5	Pass	



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		-30	7.2	-5.290	-0.0028	-2.5 to 2.5	Pass
		-20	7.2	-5.649	-0.0030	-2.5 to 2.5	Pass
		-10	7.2	-2.851	-0.0015	-2.5 to 2.5	Pass
		0	7.2	-4.784	-0.0025	-2.5 to 2.5	Pass
		10	7.2	-5.731	-0.0030	-2.5 to 2.5	Pass
		30	7.2	-4.268	-0.0022	-2.5 to 2.5	Pass
		40	7.2	-4.941	-0.0026	-2.5 to 2.5	Pass
		50	7.2	-7.118	-0.0037	-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



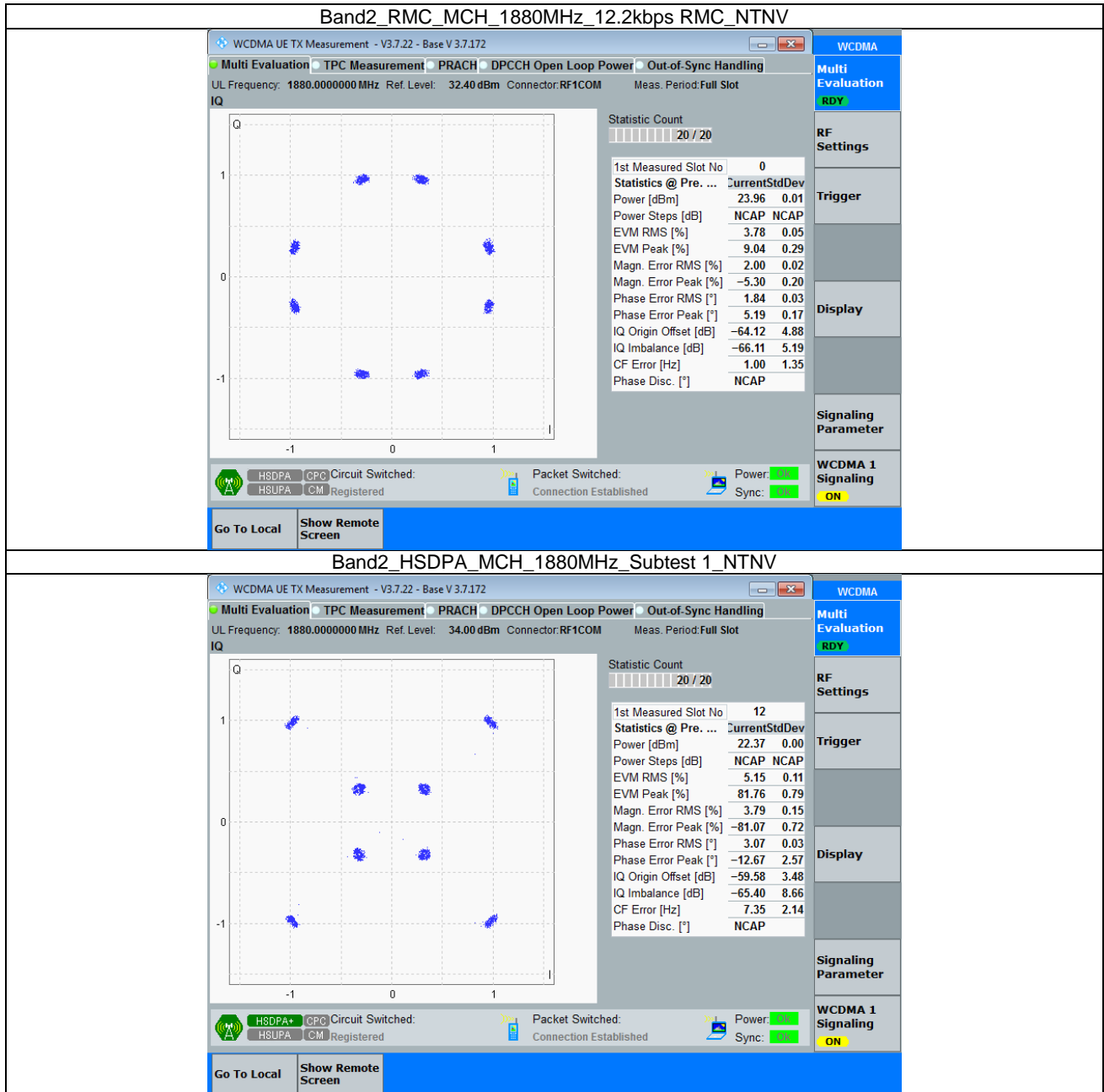
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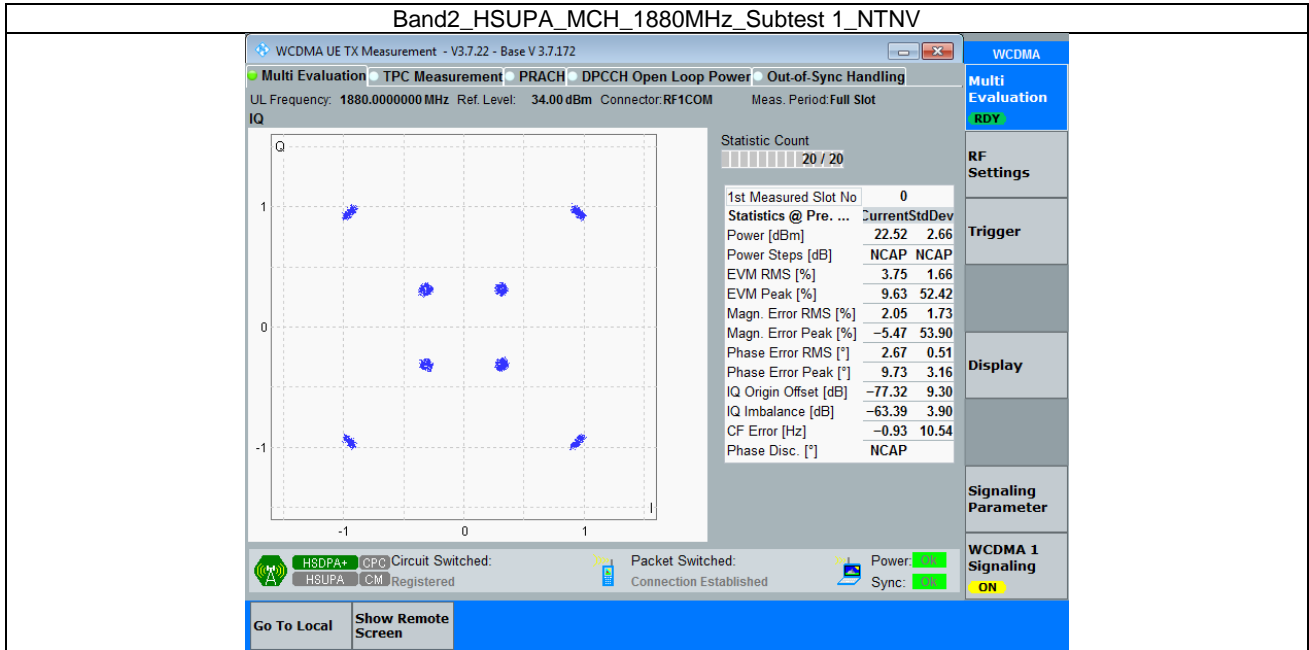
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3.1.2 Test Graph



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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	4.129	Pass
			1880	4.123	Pass
			1907.6	4.109	Pass
	HSDPA	Subtest 1	1852.4	4.122	Pass
			1880	4.126	Pass
			1907.6	4.119	Pass
	HSUPA	Subtest 1	1852.4	4.127	Pass
			1880	4.118	Pass
			1907.6	4.130	Pass

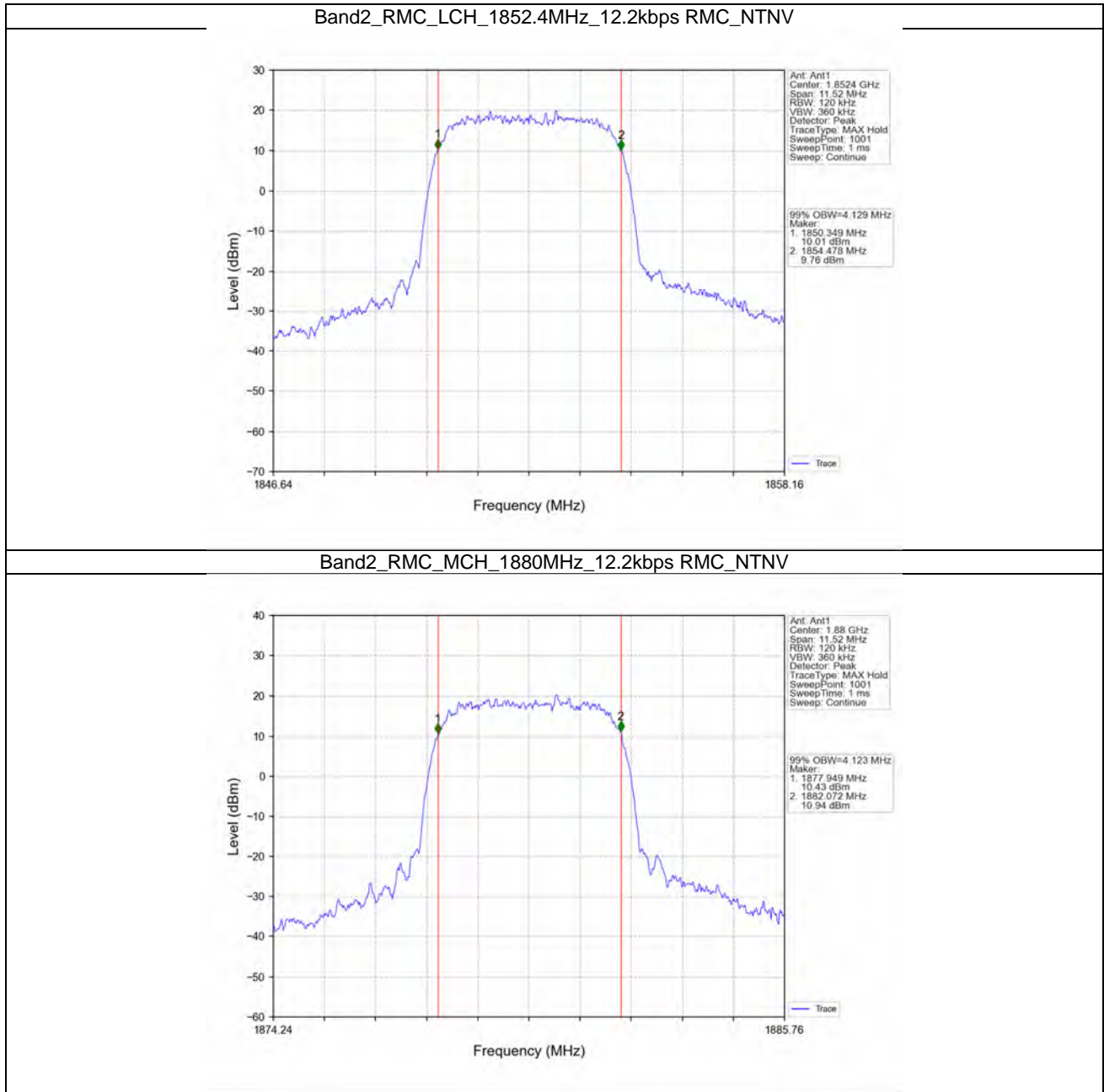


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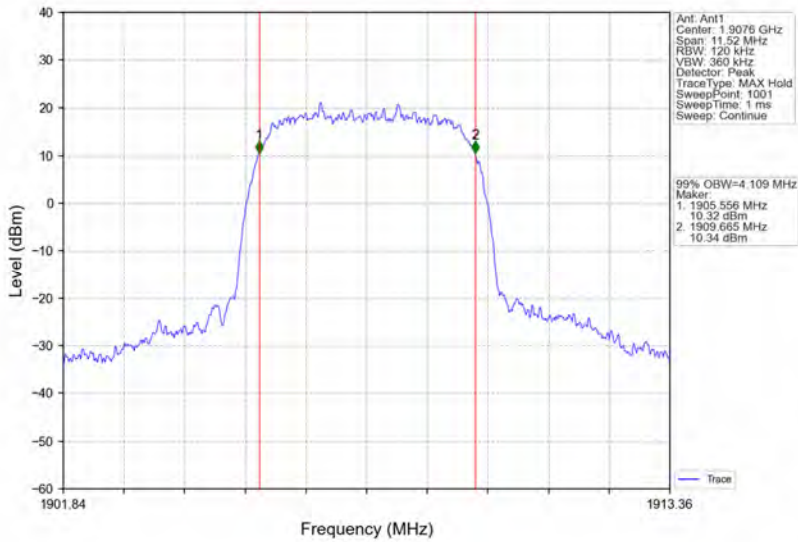
4.1.2 Test Graph



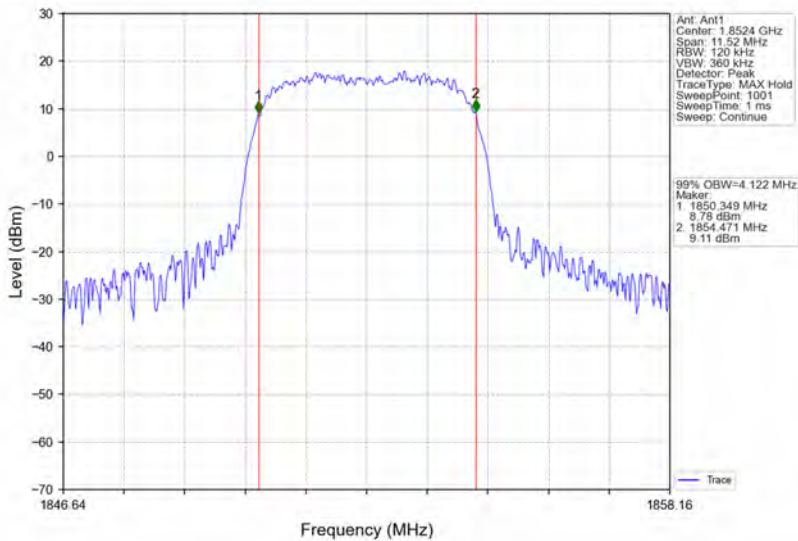
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Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



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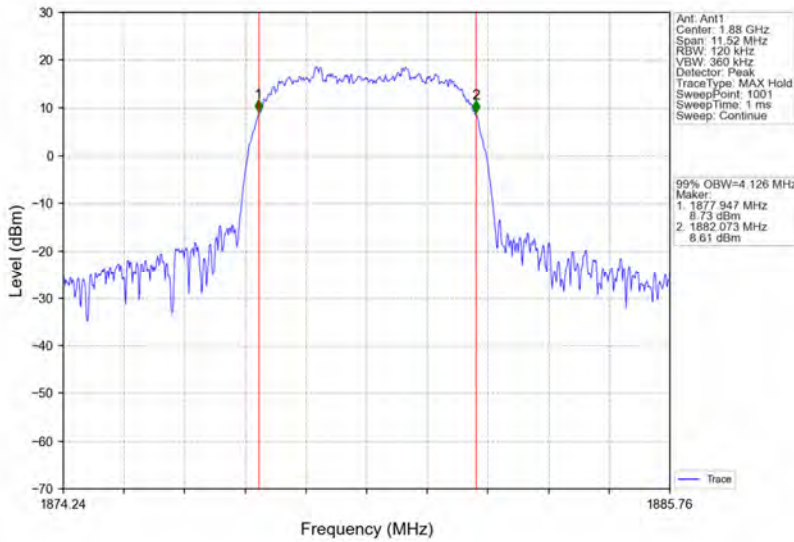
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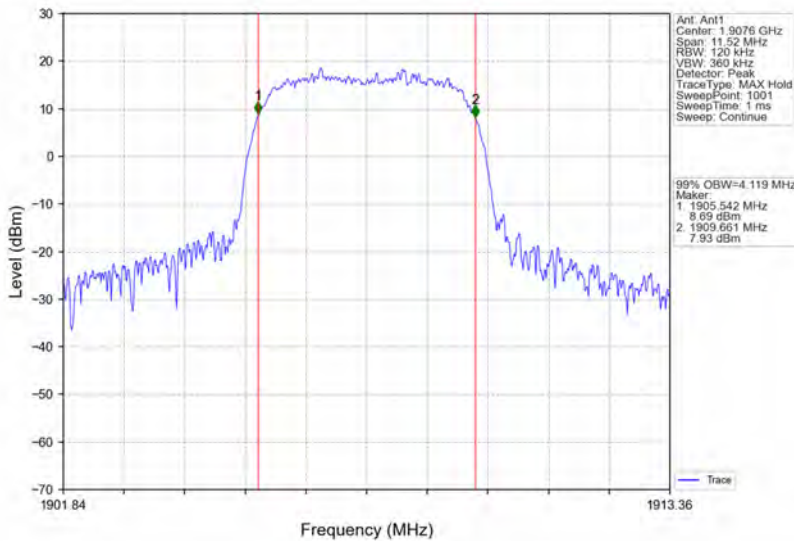
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Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



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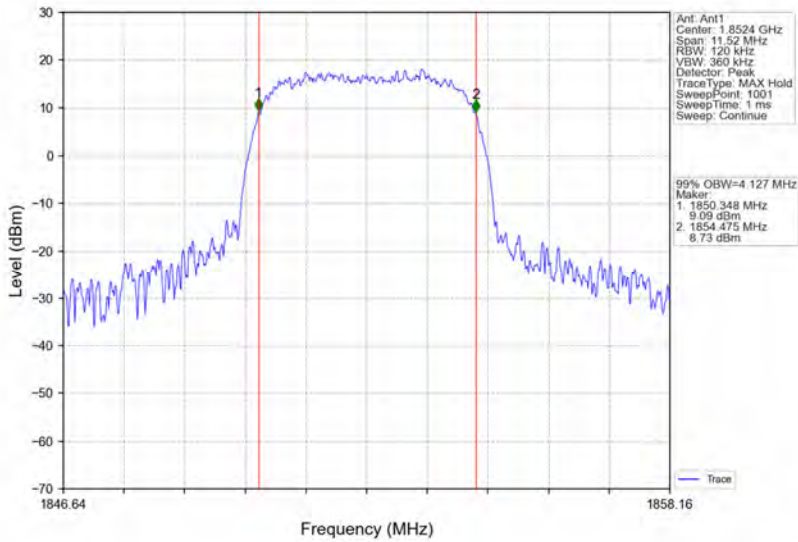
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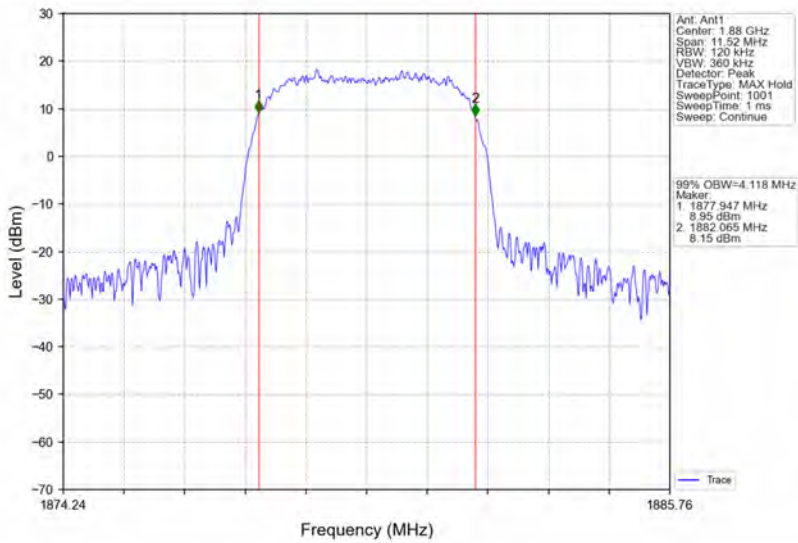


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Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



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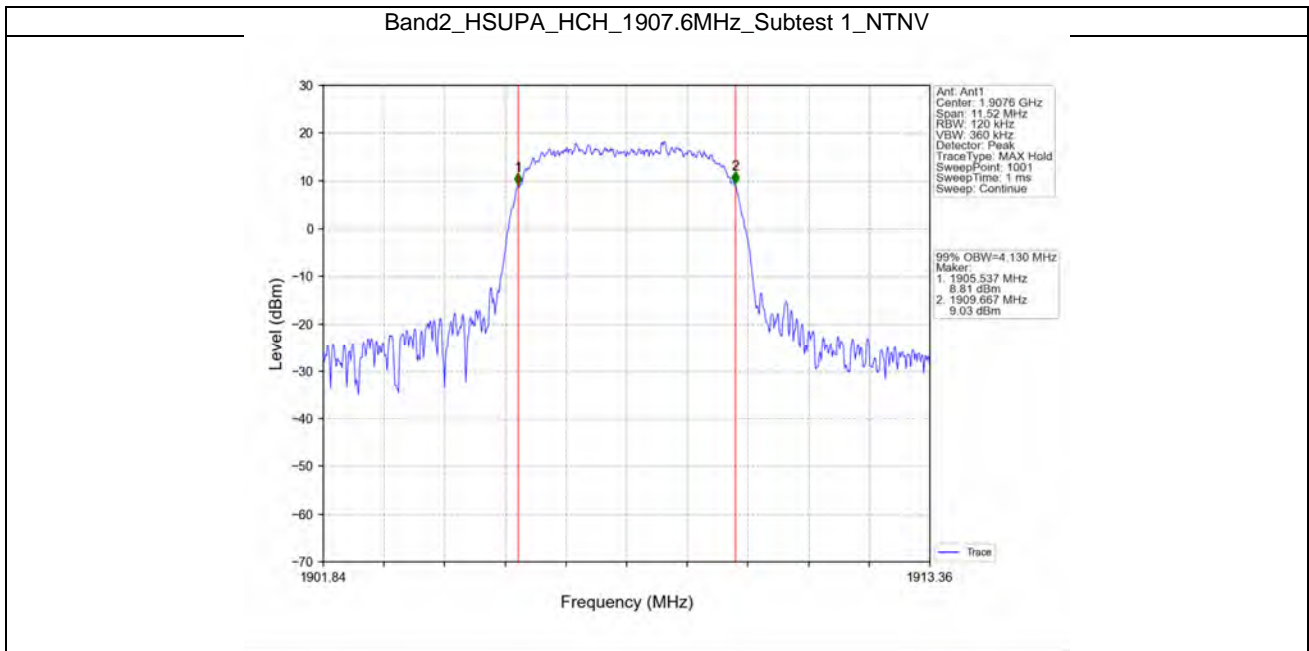
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4.2 Band2_XDB

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	4.727	Pass
			1880	4.732	Pass
			1907.6	4.718	Pass
	HSDPA	Subtest 1	1852.4	4.744	Pass
			1880	4.721	Pass
			1907.6	4.722	Pass
	HSUPA	Subtest 1	1852.4	4.749	Pass
			1880	4.723	Pass
			1907.6	4.717	Pass

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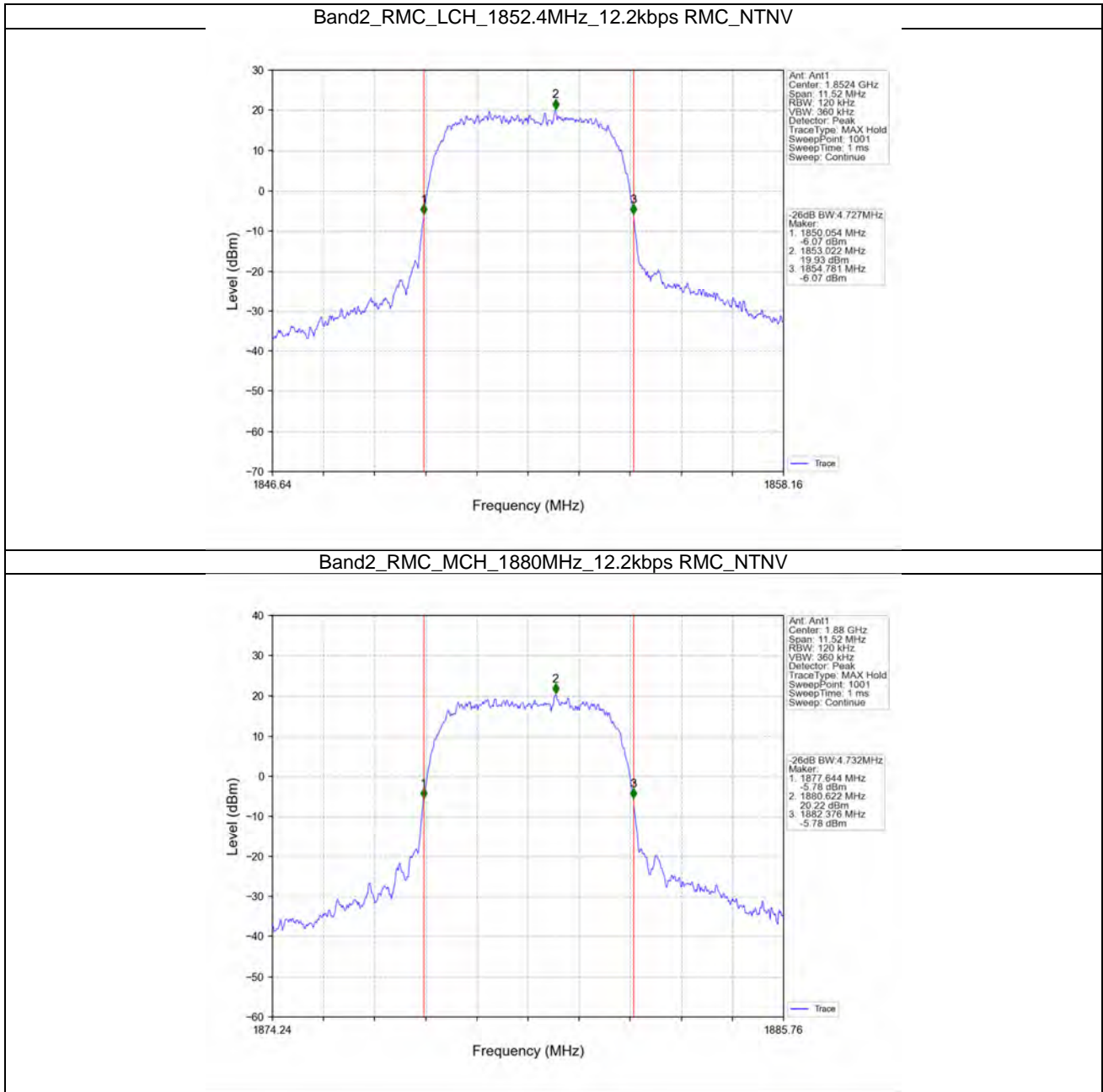
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4.2.2 Test Graph



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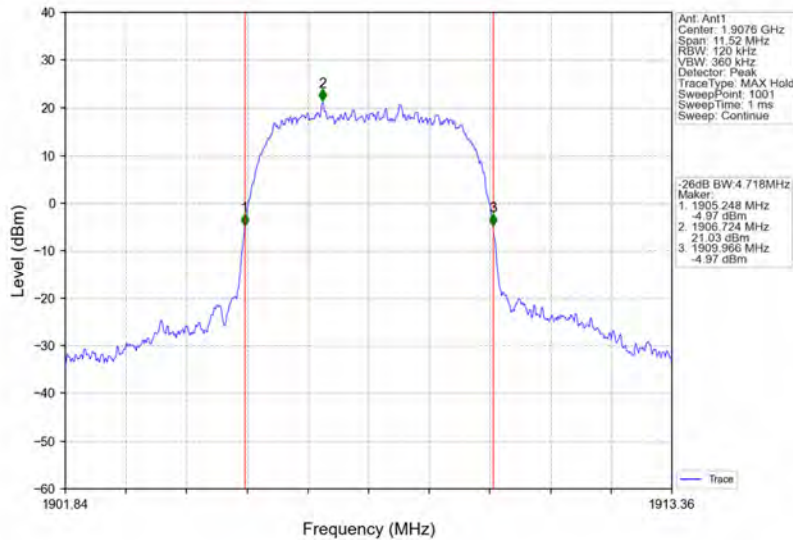
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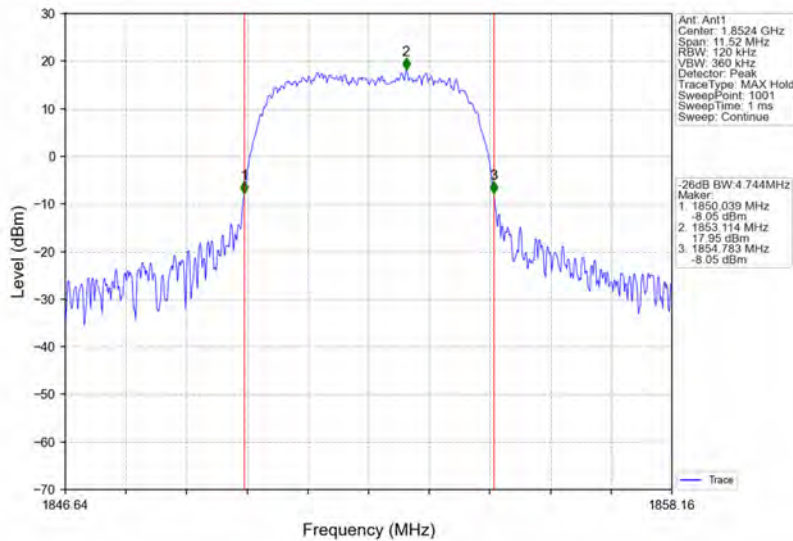
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Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



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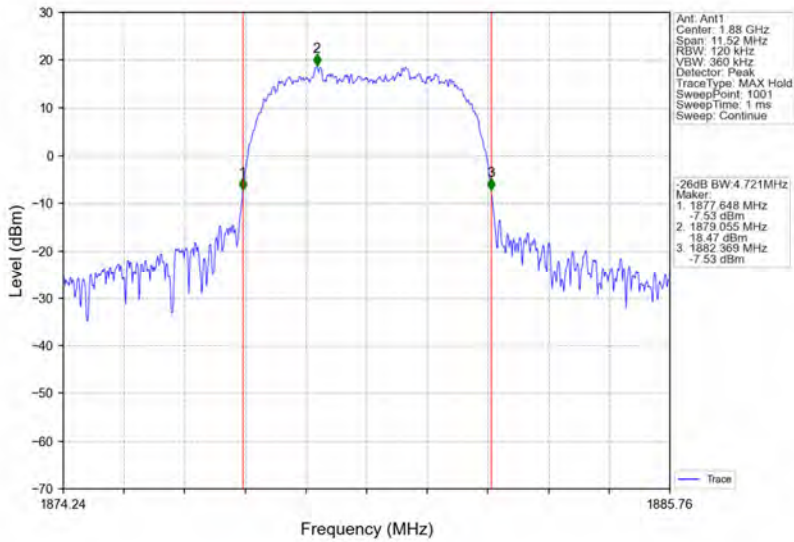
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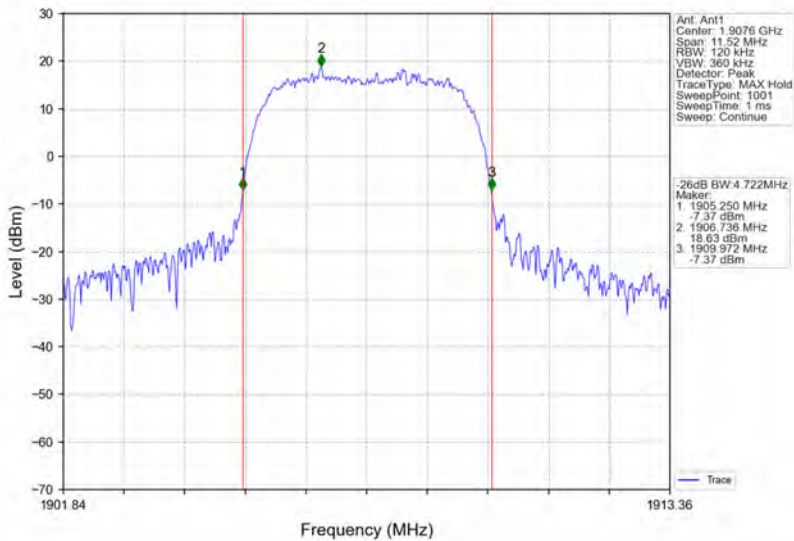


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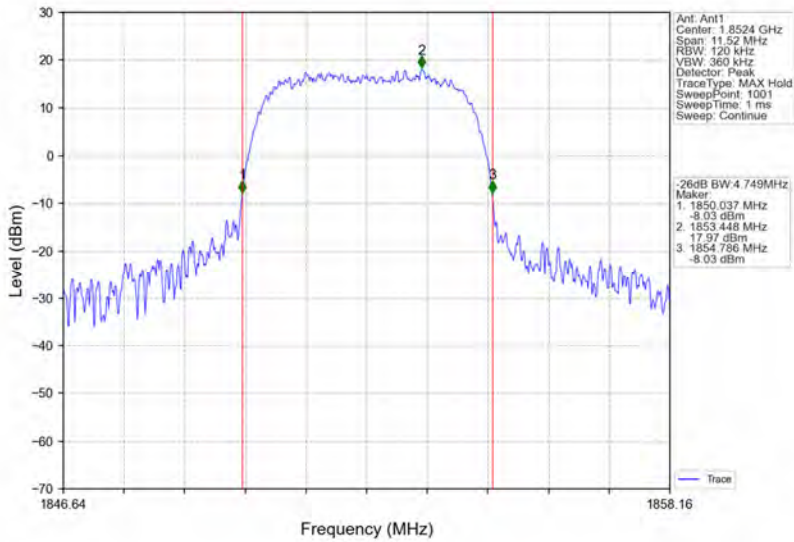
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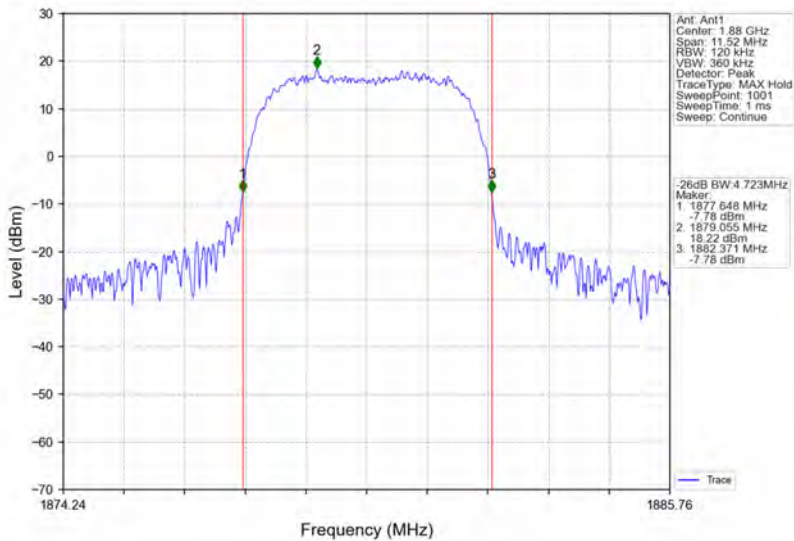


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Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



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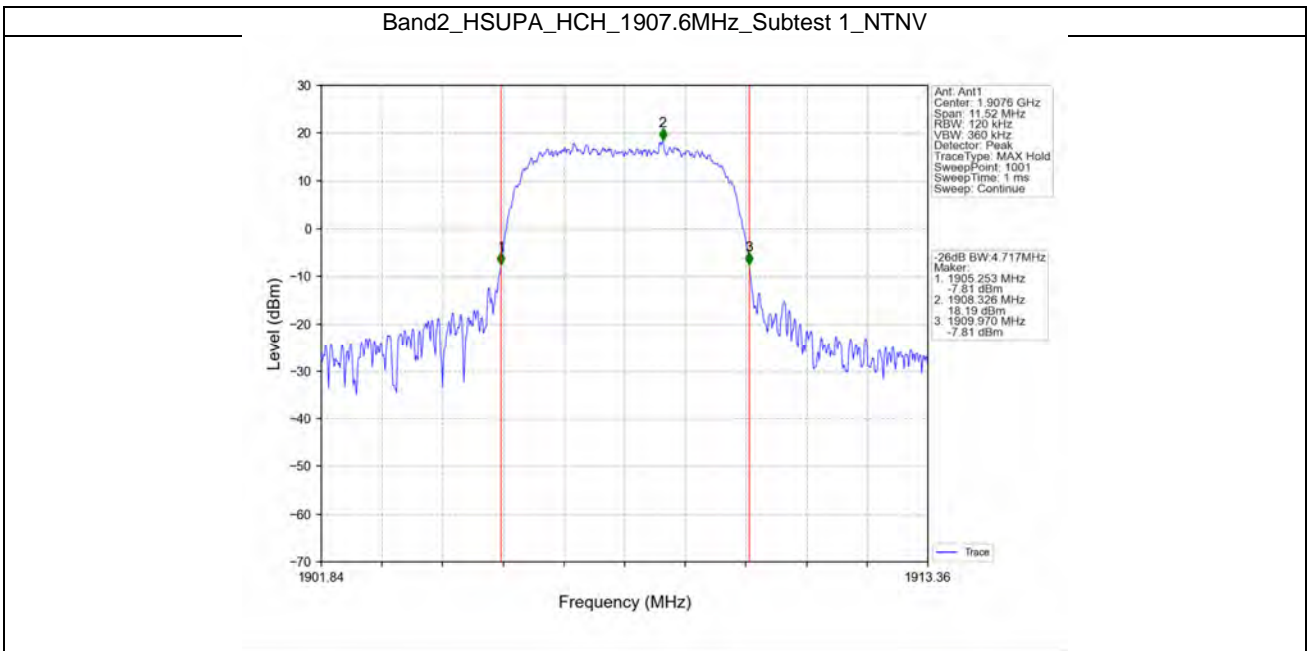
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5. Peak-Average Ratio

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	3.01	<=13	Pass
			1880	3.01	<=13	Pass
			1907.6	2.97	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.83	<=13	Pass
			1880	5.71	<=13	Pass
			1907.6	5.66	<=13	Pass
	HSUPA	Subtest 1	1852.4	5.77	<=13	Pass
			1880	5.64	<=13	Pass
			1907.6	5.65	<=13	Pass
			1907.6	5.65	<=13	Pass



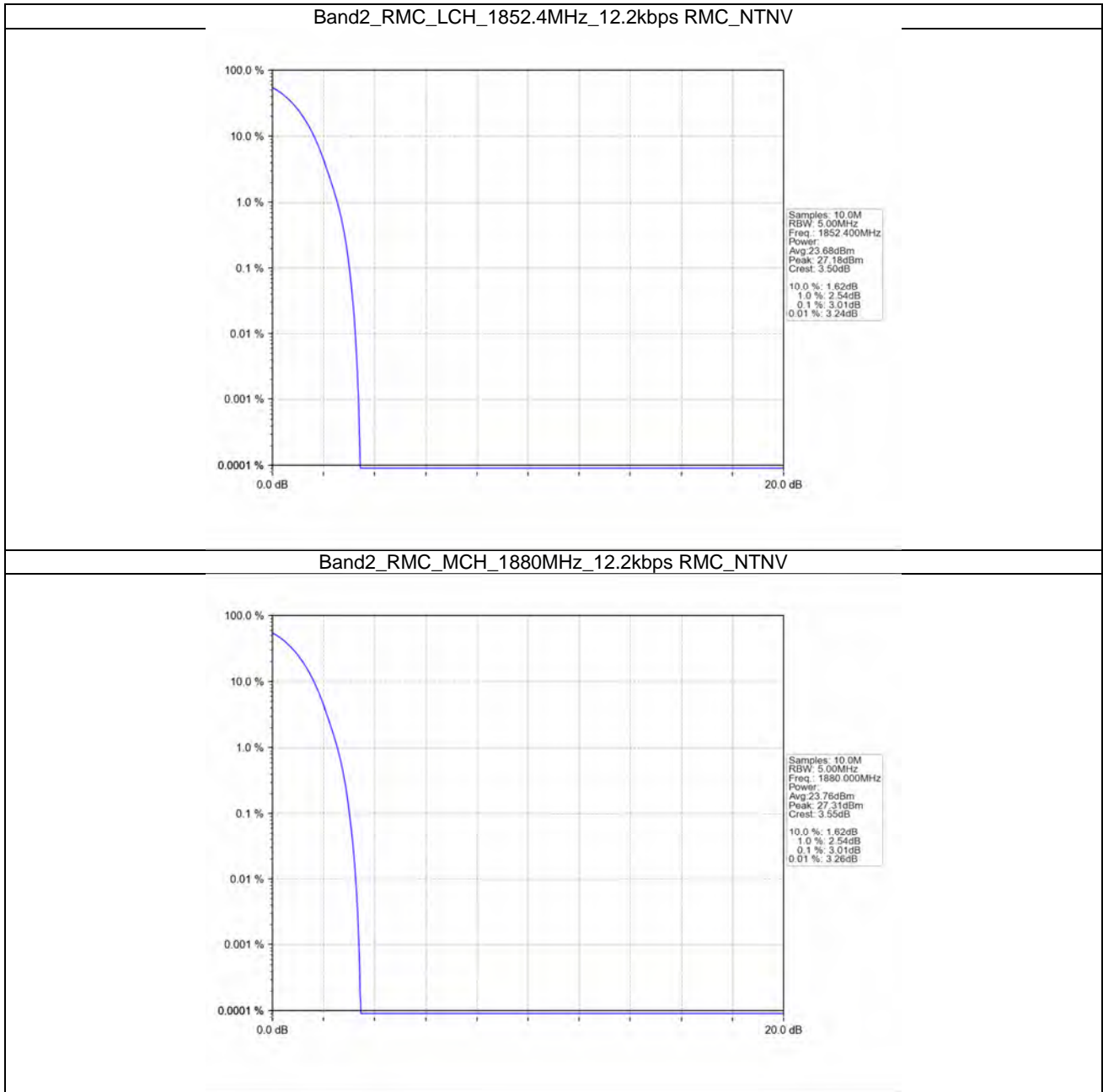
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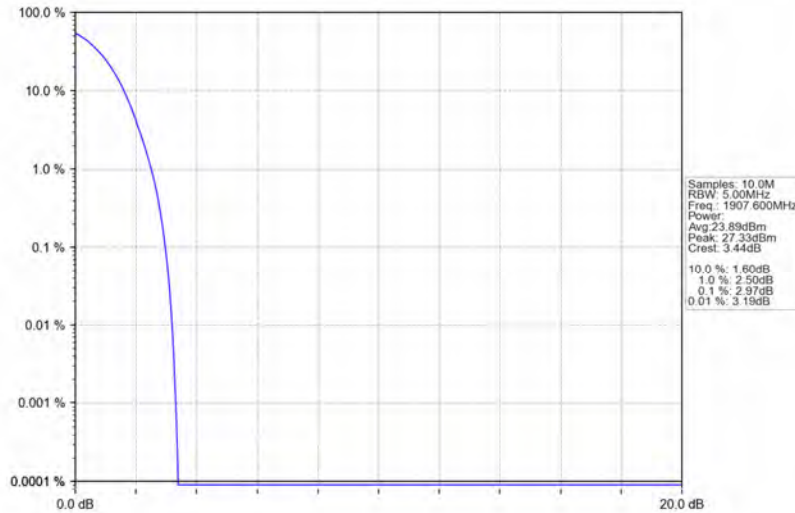
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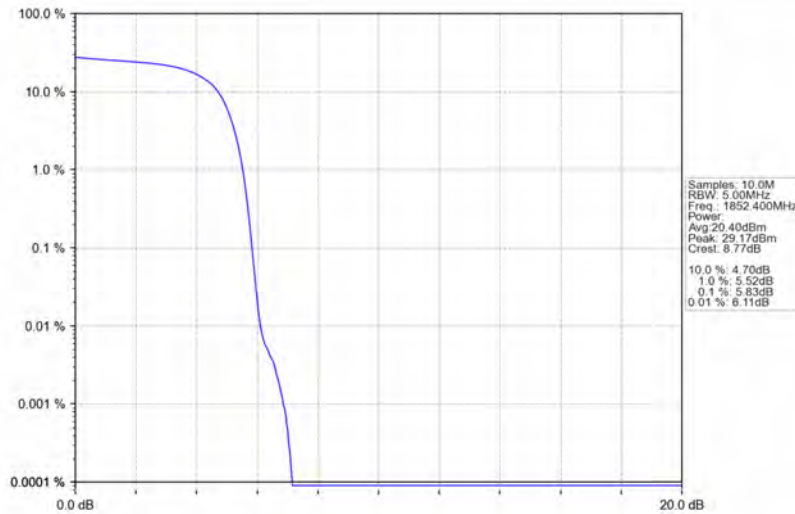
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Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



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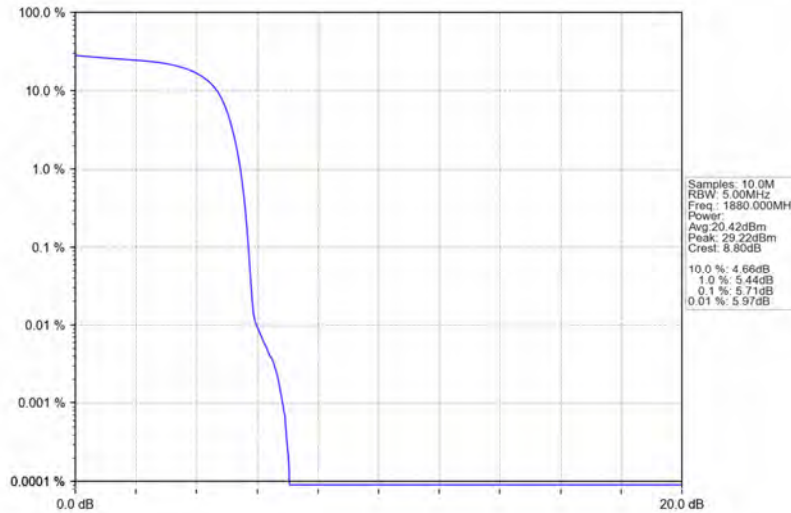
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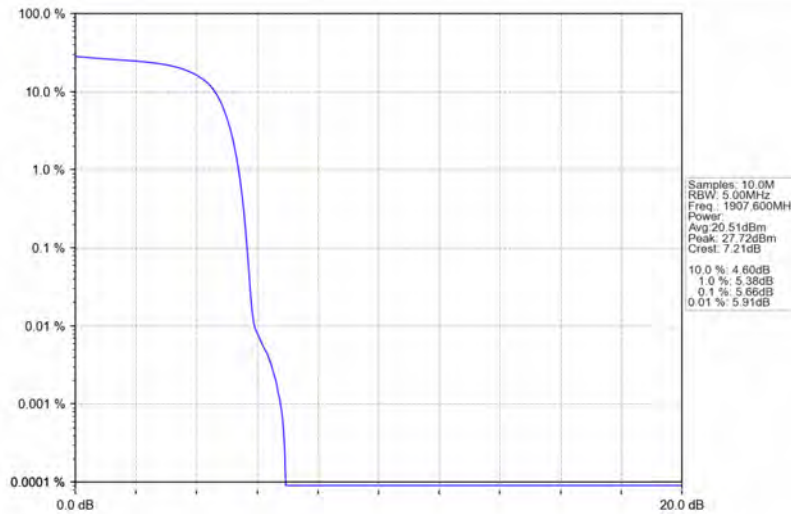
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Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



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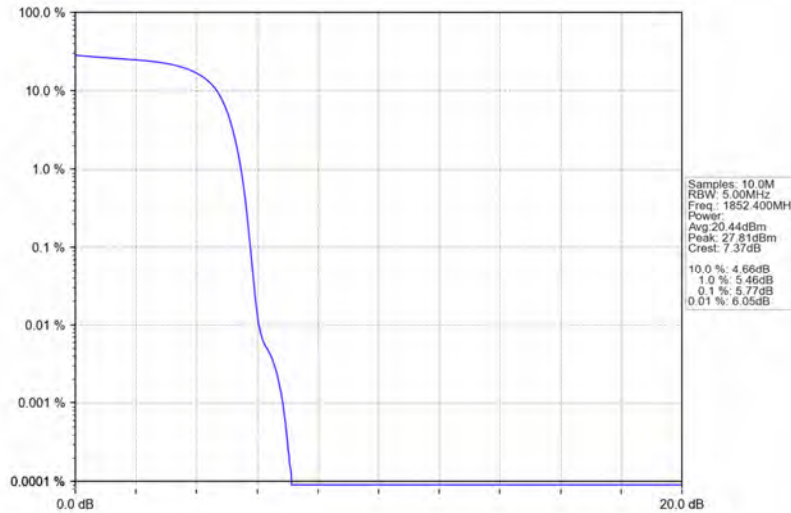
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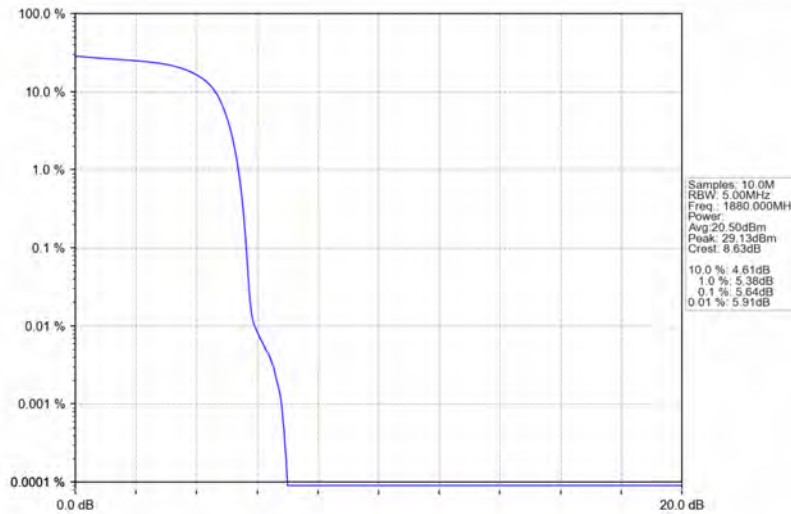


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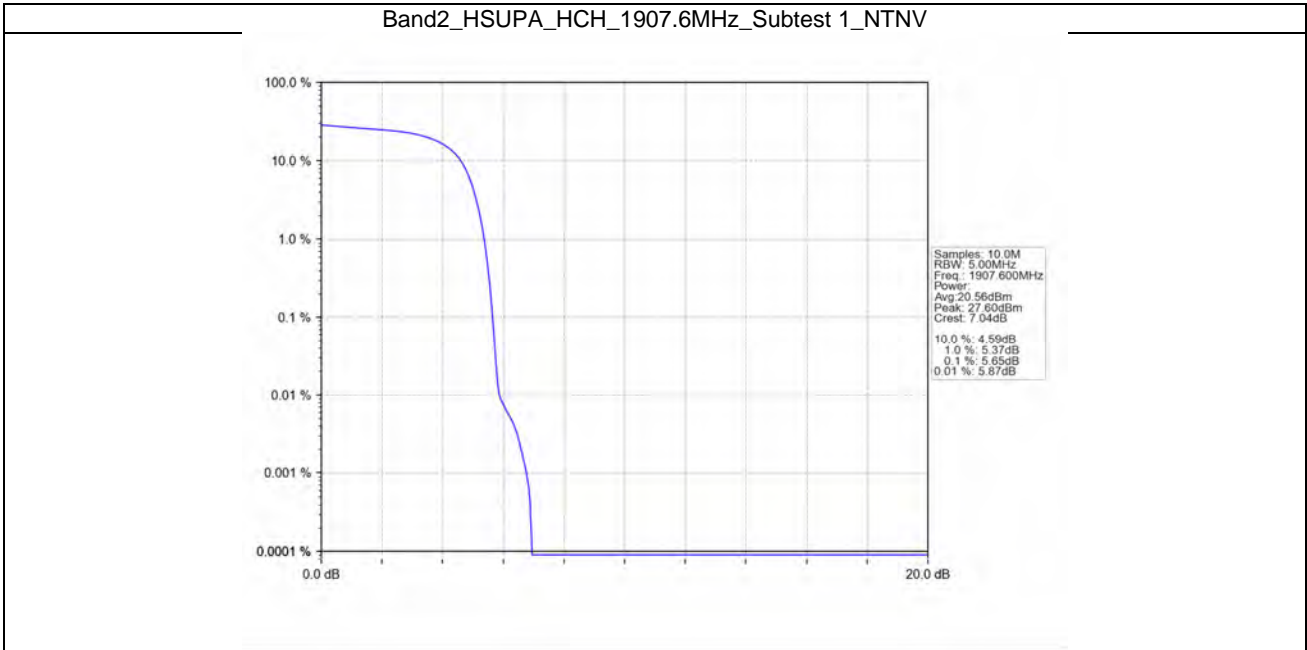
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6. Spurious Emission

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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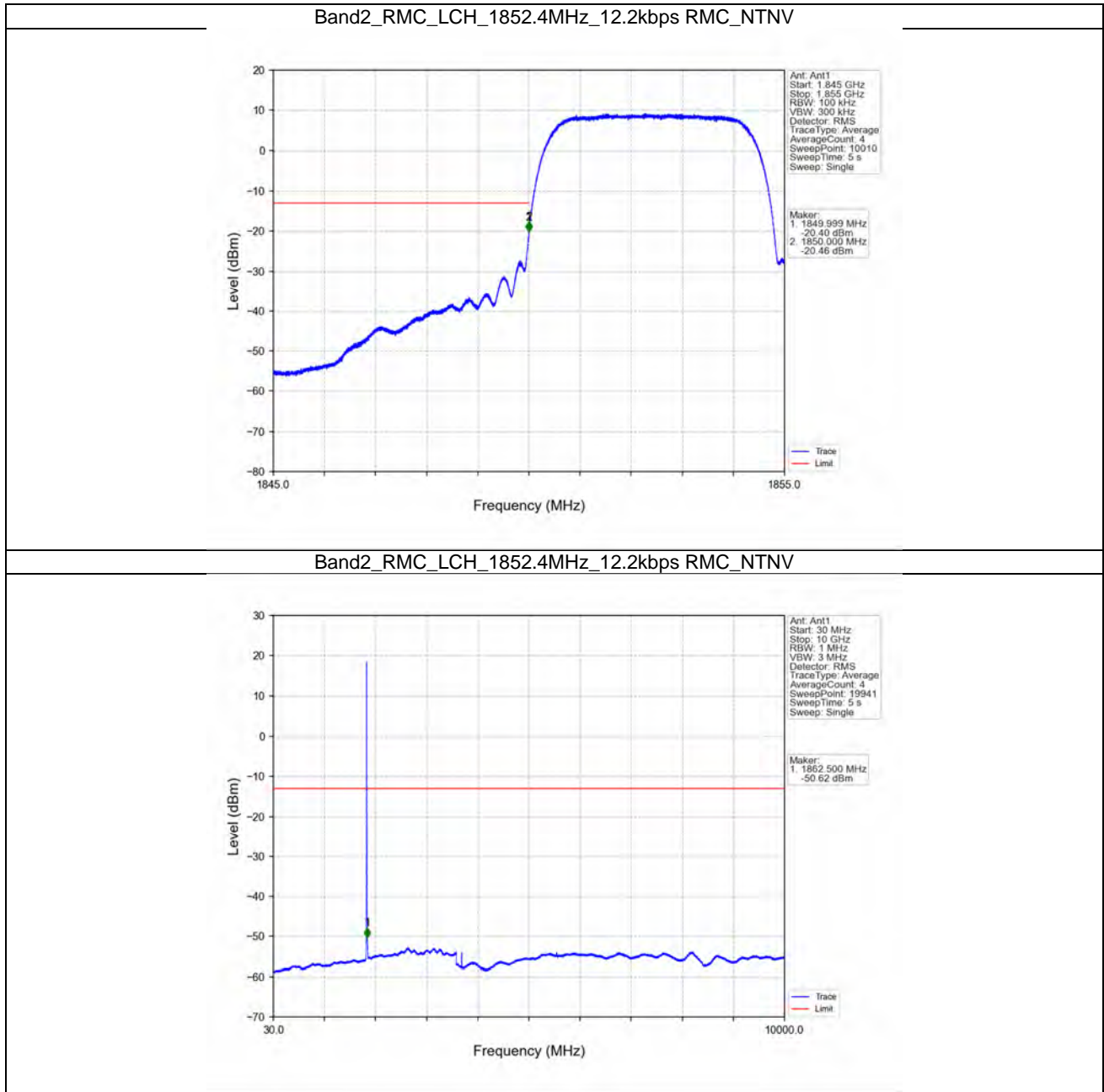
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6.1.2 Test Graph



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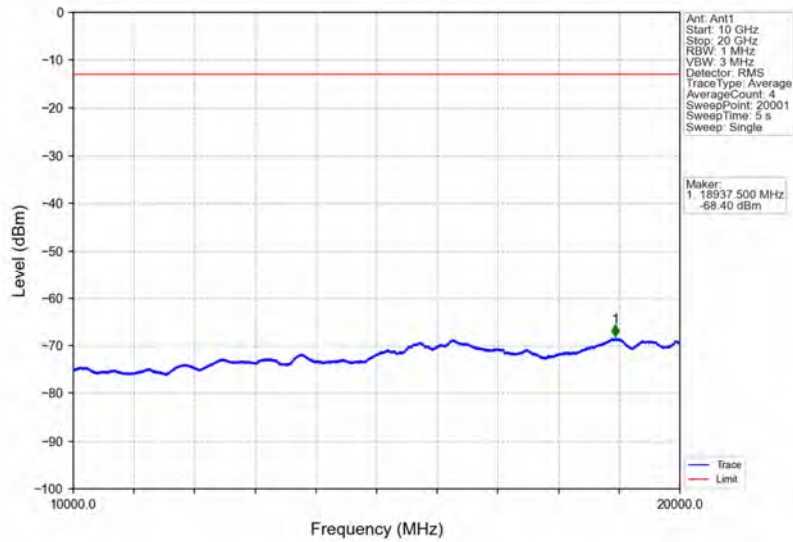
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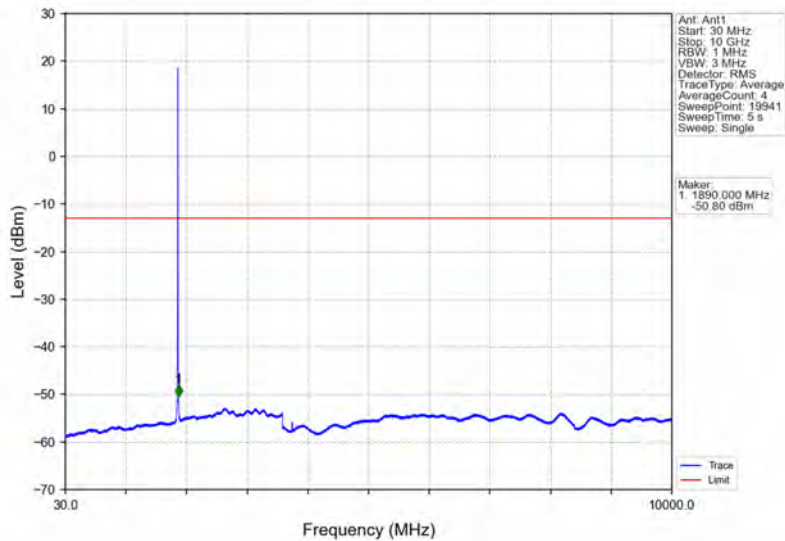
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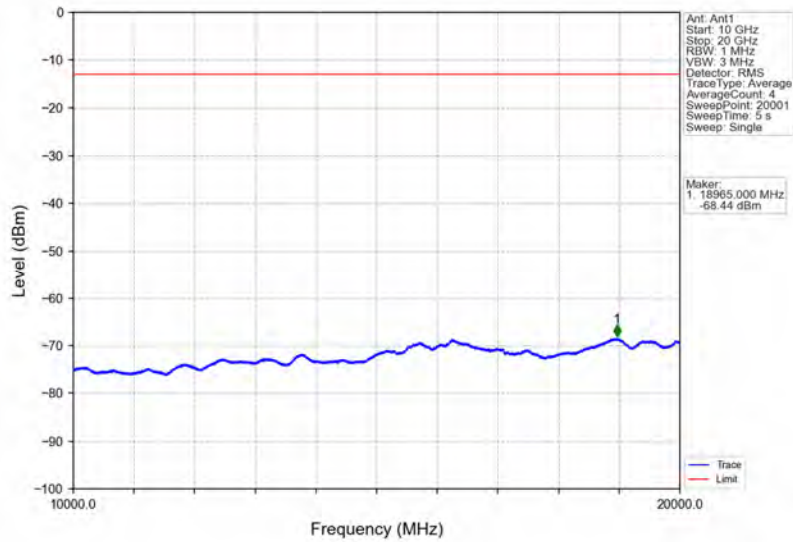
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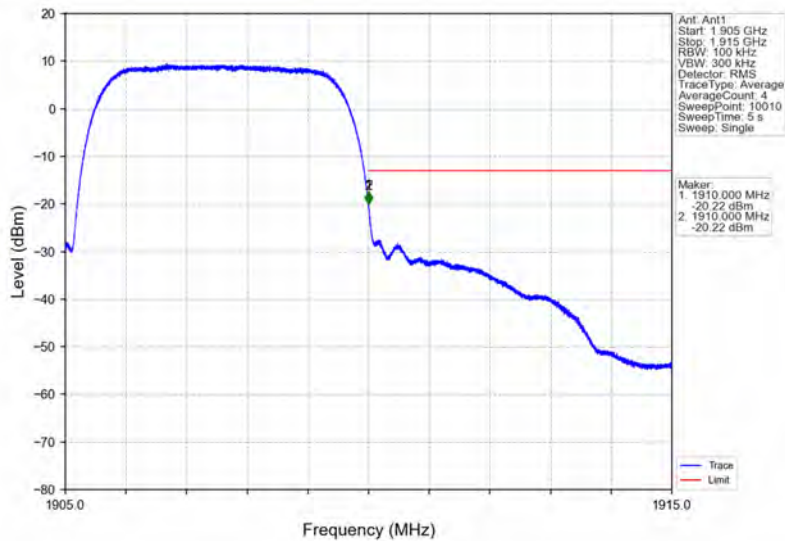


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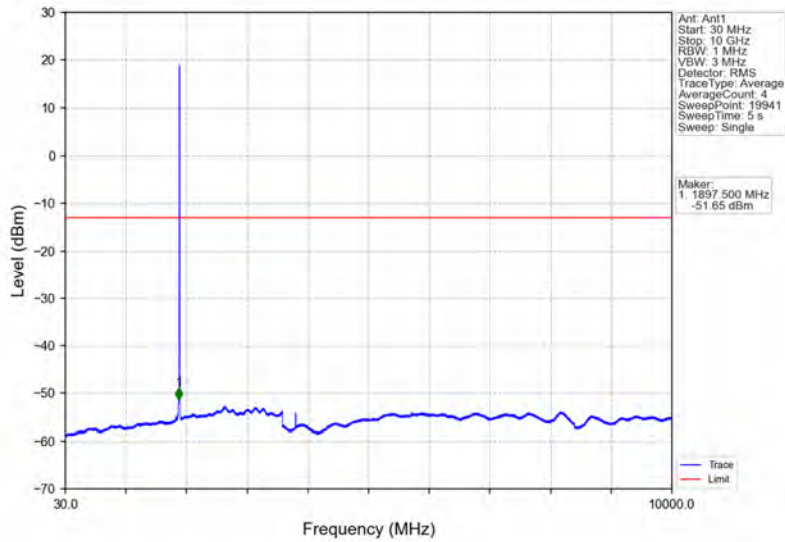
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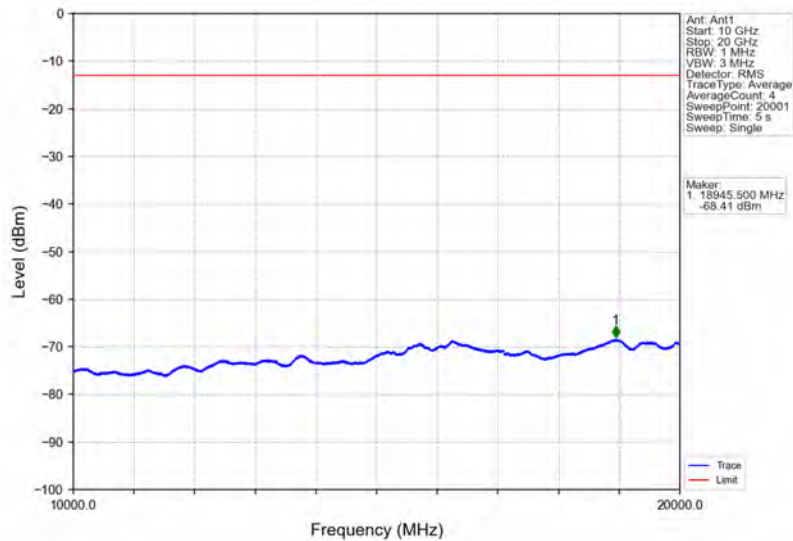
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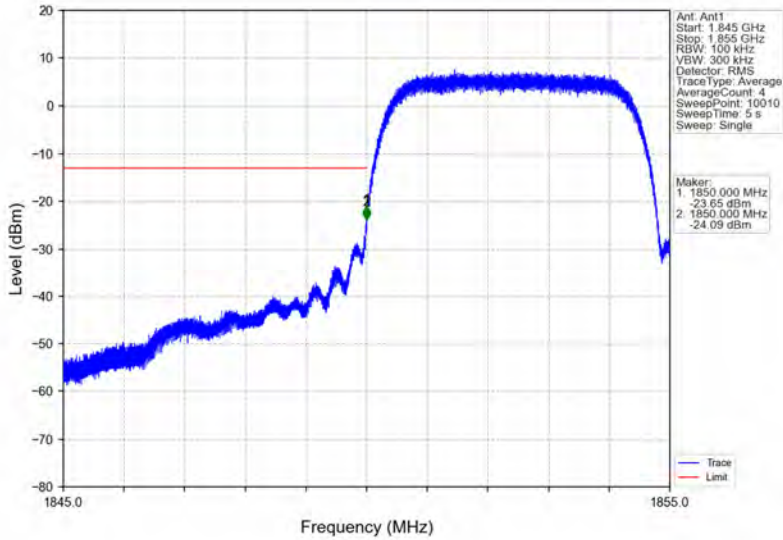
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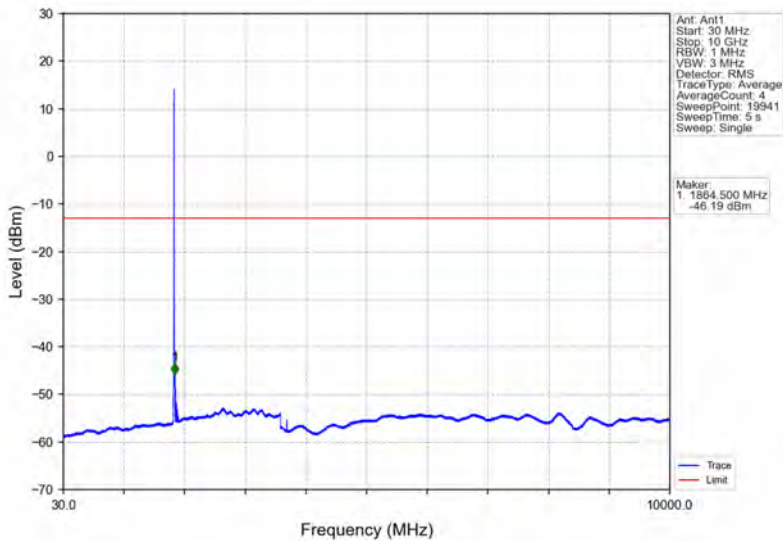


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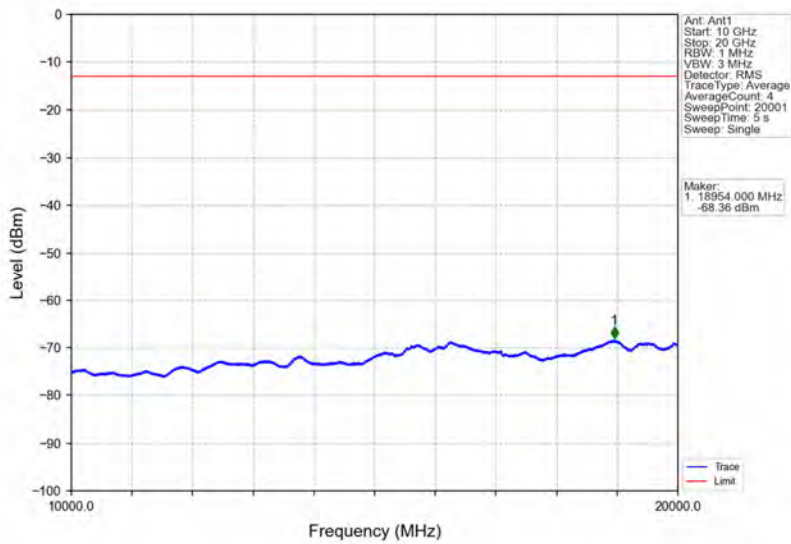
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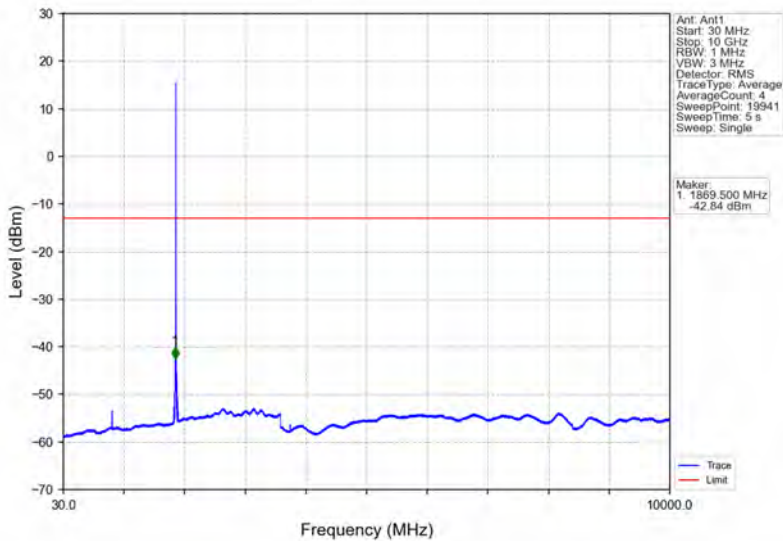
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Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



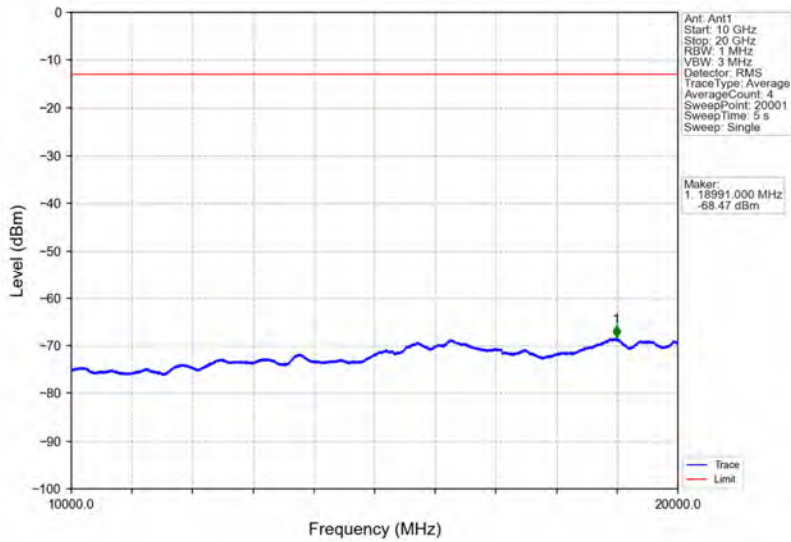
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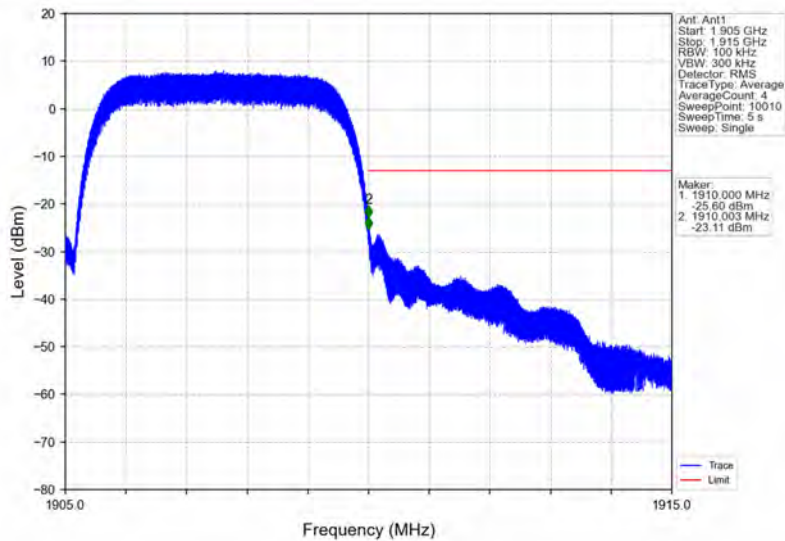
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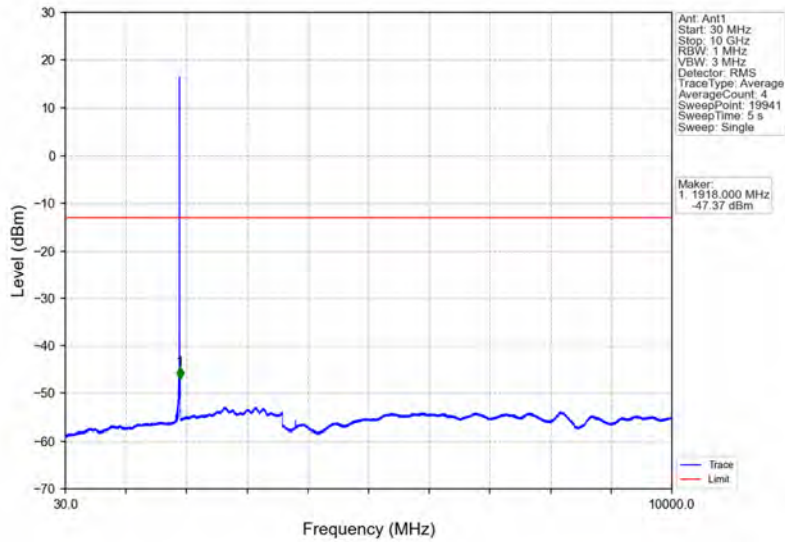
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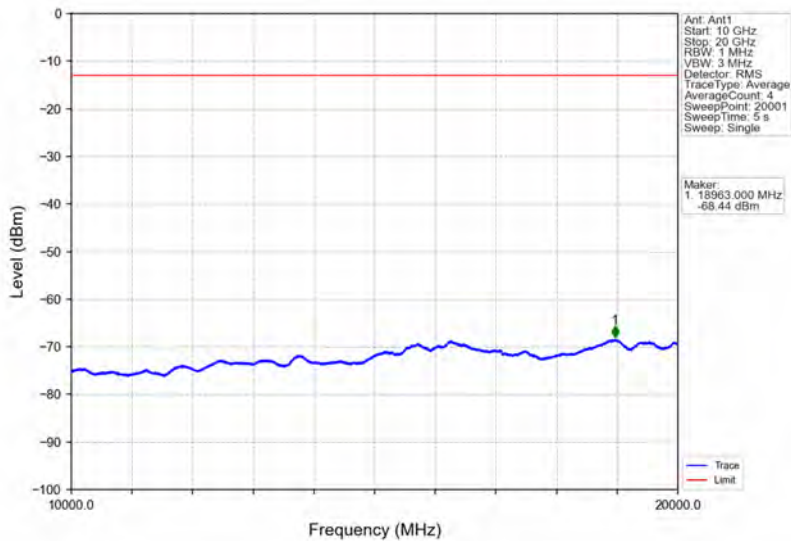
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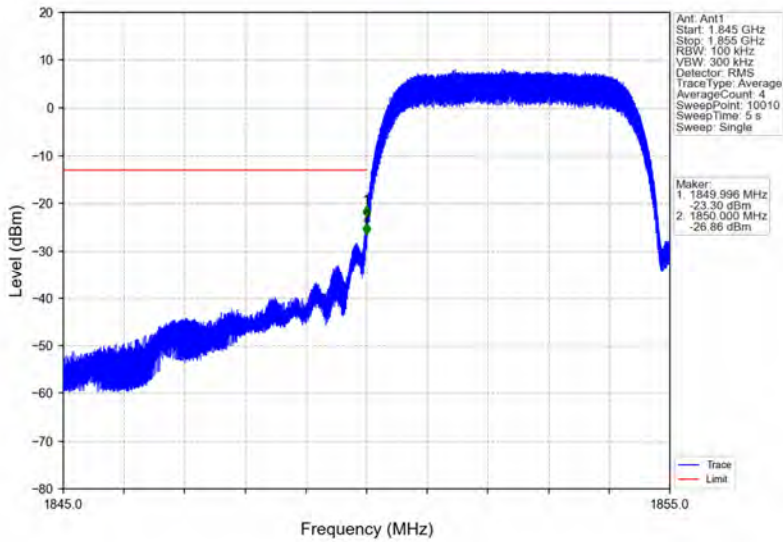
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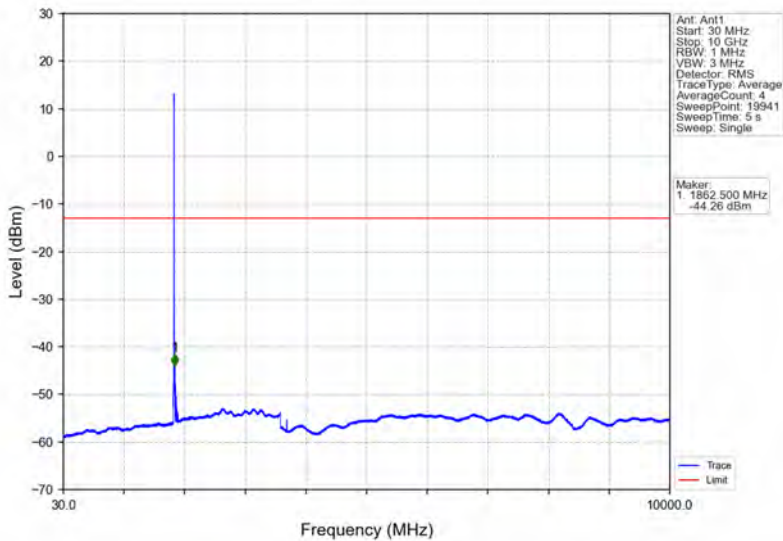
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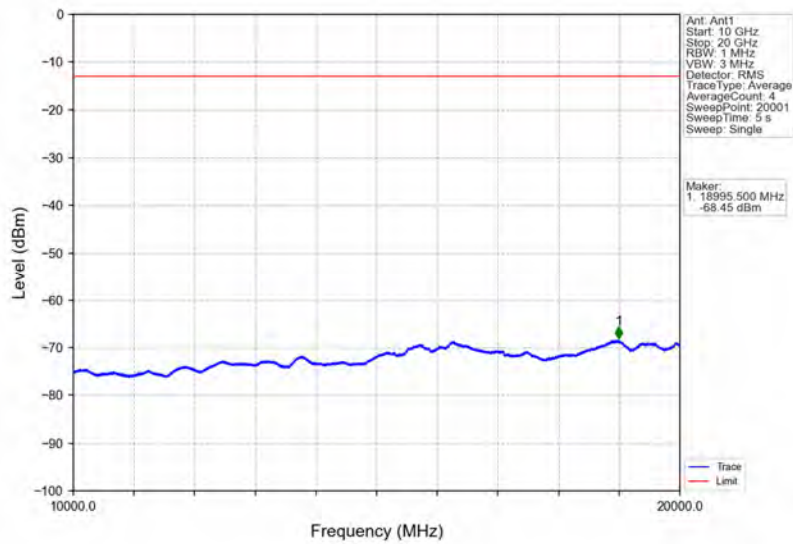
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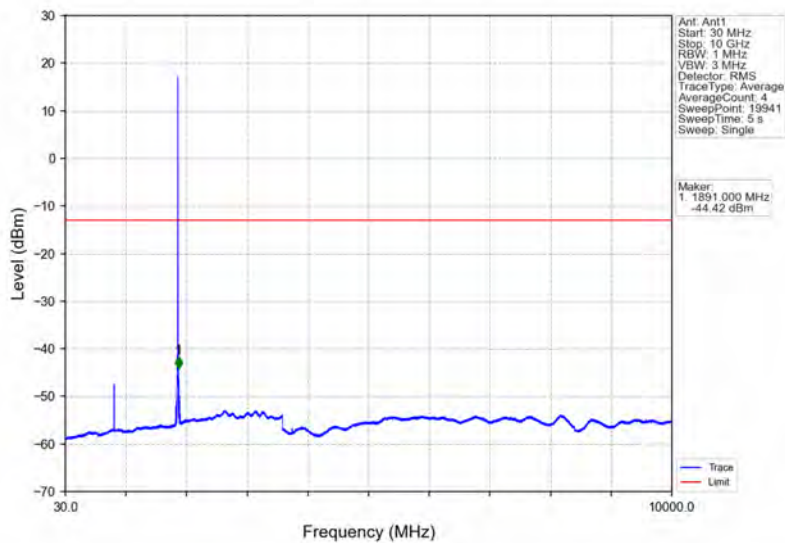


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Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



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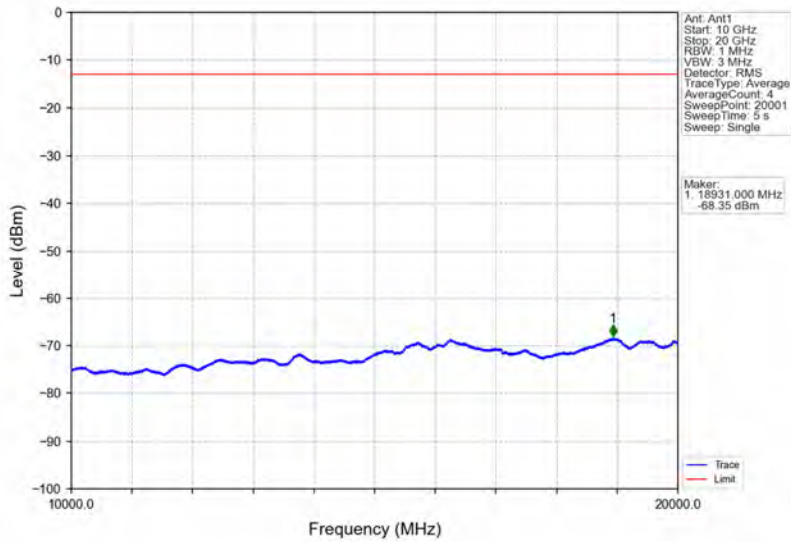
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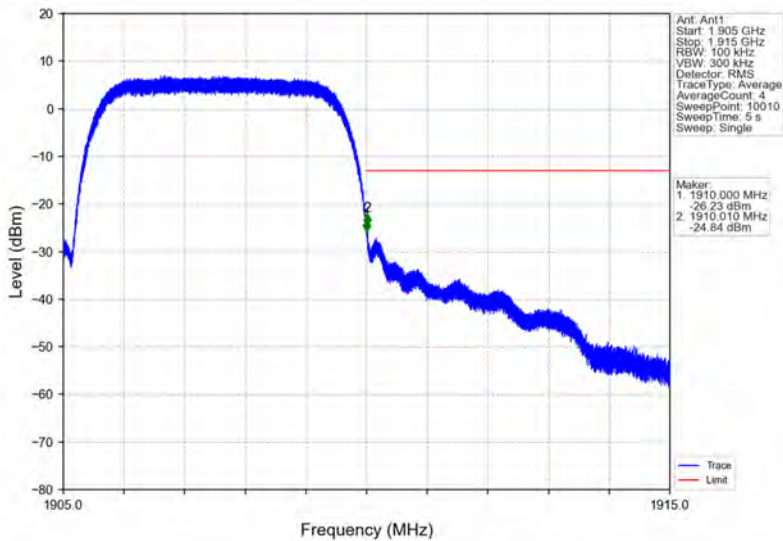


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Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

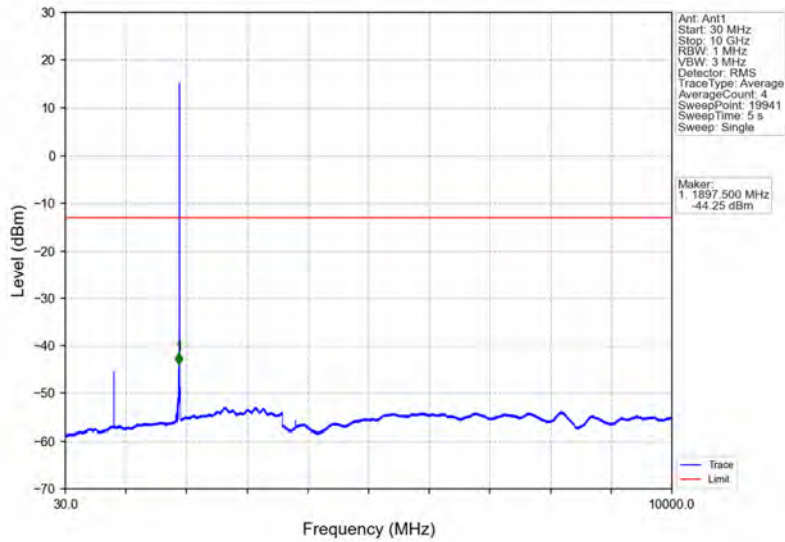


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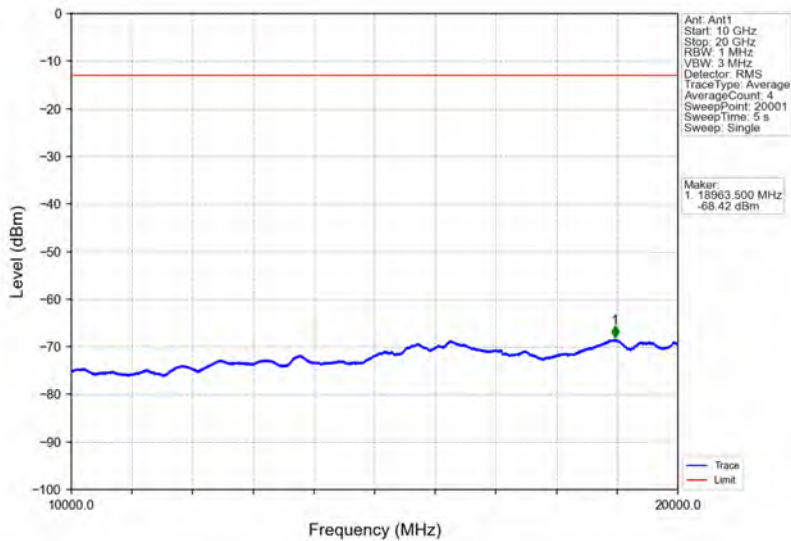
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