

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	21.47	0.41	21.88	<=33.01	Pass
			1880	21.31	0.41	21.72	<=33.01	Pass
			1907.6	21.29	0.41	21.70	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	21.29	0.41	21.70	<=33.01	Pass
		Subtest 2	1852.4	21.30	0.41	21.71	<=33.01	Pass
		Subtest 3	1852.4	21.32	0.41	21.73	<=33.01	Pass
		Subtest 4	1852.4	21.30	0.41	21.71	<=33.01	Pass
		Subtest 1	1880	21.32	0.41	21.73	<=33.01	Pass
		Subtest 2	1880	21.33	0.41	21.74	<=33.01	Pass
		Subtest 3	1880	21.32	0.41	21.73	<=33.01	Pass
		Subtest 4	1880	21.30	0.41	21.71	<=33.01	Pass
		Subtest 1	1907.6	21.35	0.41	21.76	<=33.01	Pass
		Subtest 2	1907.6	21.35	0.41	21.76	<=33.01	Pass
		Subtest 3	1907.6	21.36	0.41	21.77	<=33.01	Pass
		Subtest 4	1907.6	21.33	0.41	21.74	<=33.01	Pass
	HSUPA	Subtest 1	1852.4	19.33	0.41	19.74	<=33.01	Pass
		Subtest 2	1852.4	19.05	0.41	19.46	<=33.01	Pass
		Subtest 3	1852.4	19.42	0.41	19.83	<=33.01	Pass
		Subtest 4	1852.4	18.97	0.41	19.38	<=33.01	Pass
		Subtest 5	1852.4	19.31	0.41	19.72	<=33.01	Pass
		Subtest 1	1880	19.26	0.41	19.67	<=33.01	Pass
		Subtest 2	1880	19.35	0.41	19.76	<=33.01	Pass
		Subtest 3	1880	19.36	0.41	19.77	<=33.01	Pass
		Subtest 4	1880	19.64	0.41	20.05	<=33.01	Pass
		Subtest 5	1880	19.60	0.41	20.01	<=33.01	Pass
		Subtest 1	1907.6	19.17	0.41	19.58	<=33.01	Pass
		Subtest 2	1907.6	19.80	0.41	20.21	<=33.01	Pass
		Subtest 3	1907.6	19.52	0.41	19.93	<=33.01	Pass
		Subtest 4	1907.6	19.07	0.41	19.48	<=33.01	Pass
		Subtest 5	1907.6	19.56	0.41	19.97	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

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	3.23	-9.198	-0.0050	-2.5 to 2.5	Pass
			3.8	-7.081	-0.0038	-2.5 to 2.5	Pass
			4.37	-8.876	-0.0048	-2.5 to 2.5	Pass
		-30	3.8	-7.081	-0.0038	-2.5 to 2.5	Pass
		-20	3.8	-0.923	-0.0005	-2.5 to 2.5	Pass
		-10	3.8	-0.672	-0.0004	-2.5 to 2.5	Pass
		0	3.8	5.157	0.0028	-2.5 to 2.5	Pass
		10	3.8	-7.825	-0.0042	-2.5 to 2.5	Pass
		30	3.8	-7.560	-0.0041	-2.5 to 2.5	Pass
		40	3.8	-8.762	-0.0047	-2.5 to 2.5	Pass
		50	3.8	-7.668	-0.0041	-2.5 to 2.5	Pass
	1880	20	3.23	0.501	0.0003	-2.5 to 2.5	Pass
			3.8	0.901	0.0005	-2.5 to 2.5	Pass
			4.37	-1.431	-0.0008	-2.5 to 2.5	Pass
		-30	3.8	0.072	0.0000	-2.5 to 2.5	Pass
		-20	3.8	-1.330	-0.0007	-2.5 to 2.5	Pass
		-10	3.8	-2.103	-0.0011	-2.5 to 2.5	Pass
		0	3.8	-4.034	-0.0021	-2.5 to 2.5	Pass
		10	3.8	-2.868	-0.0015	-2.5 to 2.5	Pass
		30	3.8	-0.129	-0.0001	-2.5 to 2.5	Pass
		40	3.8	-4.241	-0.0023	-2.5 to 2.5	Pass
		50	3.8	-2.804	-0.0015	-2.5 to 2.5	Pass
	1907.6	20	3.23	-1.616	-0.0008	-2.5 to 2.5	Pass
			3.8	-3.791	-0.0020	-2.5 to 2.5	Pass
			4.37	-1.881	-0.0010	-2.5 to 2.5	Pass
		-30	3.8	-2.260	-0.0012	-2.5 to 2.5	Pass
		-20	3.8	-1.874	-0.0010	-2.5 to 2.5	Pass
		-10	3.8	-3.076	-0.0016	-2.5 to 2.5	Pass
		0	3.8	-0.415	-0.0002	-2.5 to 2.5	Pass
		10	3.8	0.372	0.0002	-2.5 to 2.5	Pass
		30	3.8	0.036	0.0000	-2.5 to 2.5	Pass
		40	3.8	-0.372	-0.0002	-2.5 to 2.5	Pass
		50	3.8	1.724	0.0009	-2.5 to 2.5	Pass
HSDPA	1852.4	20	3.23	3.233	0.0017	-2.5 to 2.5	Pass
			3.8	5.300	0.0029	-2.5 to 2.5	Pass
			4.37	4.356	0.0024	-2.5 to 2.5	Pass
		-30	3.8	4.807	0.0026	-2.5 to 2.5	Pass
		-20	3.8	3.998	0.0022	-2.5 to 2.5	Pass
		-10	3.8	2.832	0.0015	-2.5 to 2.5	Pass
		0	3.8	4.542	0.0025	-2.5 to 2.5	Pass
		10	3.8	1.767	0.0010	-2.5 to 2.5	Pass
		30	3.8	2.918	0.0016	-2.5 to 2.5	Pass
		40	3.8	5.558	0.0030	-2.5 to 2.5	Pass
		50	3.8	3.111	0.0017	-2.5 to 2.5	Pass
	1880	20	3.23	15.907	0.0085	-2.5 to 2.5	Pass
			3.8	15.872	0.0084	-2.5 to 2.5	Pass
			4.37	15.113	0.0080	-2.5 to 2.5	Pass
		-30	3.8	14.749	0.0078	-2.5 to 2.5	Pass
		-20	3.8	17.903	0.0095	-2.5 to 2.5	Pass

		-10	3.8	13.561	0.0072	-2.5 to 2.5	Pass
		0	3.8	14.434	0.0077	-2.5 to 2.5	Pass
		10	3.8	13.812	0.0073	-2.5 to 2.5	Pass
		30	3.8	13.998	0.0074	-2.5 to 2.5	Pass
		40	3.8	11.330	0.0060	-2.5 to 2.5	Pass
	1907.6	50	3.8	6.623	0.0035	-2.5 to 2.5	Pass
		20	3.23	1.431	0.0008	-2.5 to 2.5	Pass
			3.8	2.961	0.0016	-2.5 to 2.5	Pass
			4.37	3.347	0.0018	-2.5 to 2.5	Pass
		-30	3.8	-0.093	0.0000	-2.5 to 2.5	Pass
		-20	3.8	5.486	0.0029	-2.5 to 2.5	Pass
		-10	3.8	5.157	0.0027	-2.5 to 2.5	Pass
		0	3.8	8.476	0.0044	-2.5 to 2.5	Pass
		10	3.8	10.414	0.0055	-2.5 to 2.5	Pass
		30	3.8	9.627	0.0050	-2.5 to 2.5	Pass
		40	3.8	12.066	0.0063	-2.5 to 2.5	Pass
		50	3.8	12.517	0.0066	-2.5 to 2.5	Pass
HSUPA	1852.4	20	3.23	-12.066	-0.0065	-2.5 to 2.5	Pass
			3.8	-14.613	-0.0079	-2.5 to 2.5	Pass
			4.37	-12.910	-0.0070	-2.5 to 2.5	Pass
		-30	3.8	-16.394	-0.0089	-2.5 to 2.5	Pass
		-20	3.8	-15.643	-0.0084	-2.5 to 2.5	Pass
		-10	3.8	-14.069	-0.0076	-2.5 to 2.5	Pass
		0	3.8	-15.407	-0.0083	-2.5 to 2.5	Pass
		10	3.8	-10.693	-0.0058	-2.5 to 2.5	Pass
		30	3.8	-6.967	-0.0038	-2.5 to 2.5	Pass
		40	3.8	-2.282	-0.0012	-2.5 to 2.5	Pass
		50	3.8	-5.951	-0.0032	-2.5 to 2.5	Pass
	1880	20	3.23	-18.003	-0.0096	-2.5 to 2.5	Pass
			3.8	-9.327	-0.0050	-2.5 to 2.5	Pass
			4.37	-16.329	-0.0087	-2.5 to 2.5	Pass
		-30	3.8	-7.689	-0.0041	-2.5 to 2.5	Pass
		-20	3.8	-6.087	-0.0032	-2.5 to 2.5	Pass
		-10	3.8	-3.712	-0.0020	-2.5 to 2.5	Pass
		0	3.8	-8.197	-0.0044	-2.5 to 2.5	Pass
		10	3.8	-9.892	-0.0053	-2.5 to 2.5	Pass
		30	3.8	-8.276	-0.0044	-2.5 to 2.5	Pass
		40	3.8	-9.921	-0.0053	-2.5 to 2.5	Pass
		50	3.8	-6.366	-0.0034	-2.5 to 2.5	Pass
	1907.6	20	3.23	-7.875	-0.0041	-2.5 to 2.5	Pass
			3.8	-11.137	-0.0058	-2.5 to 2.5	Pass
			4.37	-8.740	-0.0046	-2.5 to 2.5	Pass
		-30	3.8	-11.694	-0.0061	-2.5 to 2.5	Pass
		-20	3.8	-7.961	-0.0042	-2.5 to 2.5	Pass
		-10	3.8	-7.868	-0.0041	-2.5 to 2.5	Pass
		0	3.8	-8.891	-0.0047	-2.5 to 2.5	Pass
		10	3.8	-9.255	-0.0049	-2.5 to 2.5	Pass
		30	3.8	-8.690	-0.0046	-2.5 to 2.5	Pass
		40	3.8	-8.426	-0.0044	-2.5 to 2.5	Pass
		50	3.8	-8.526	-0.0045	-2.5 to 2.5	Pass

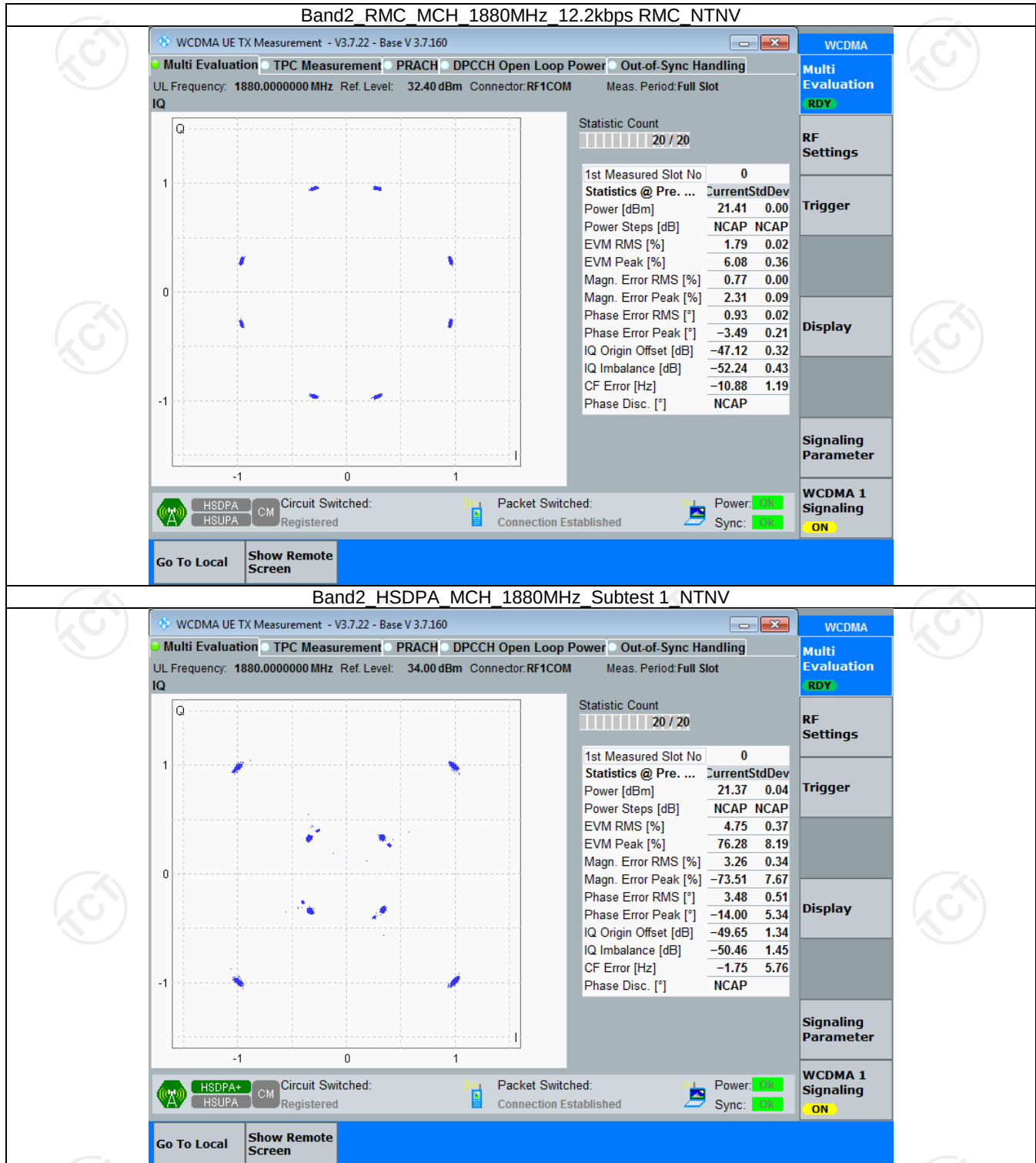
3. Modulation Characteristics

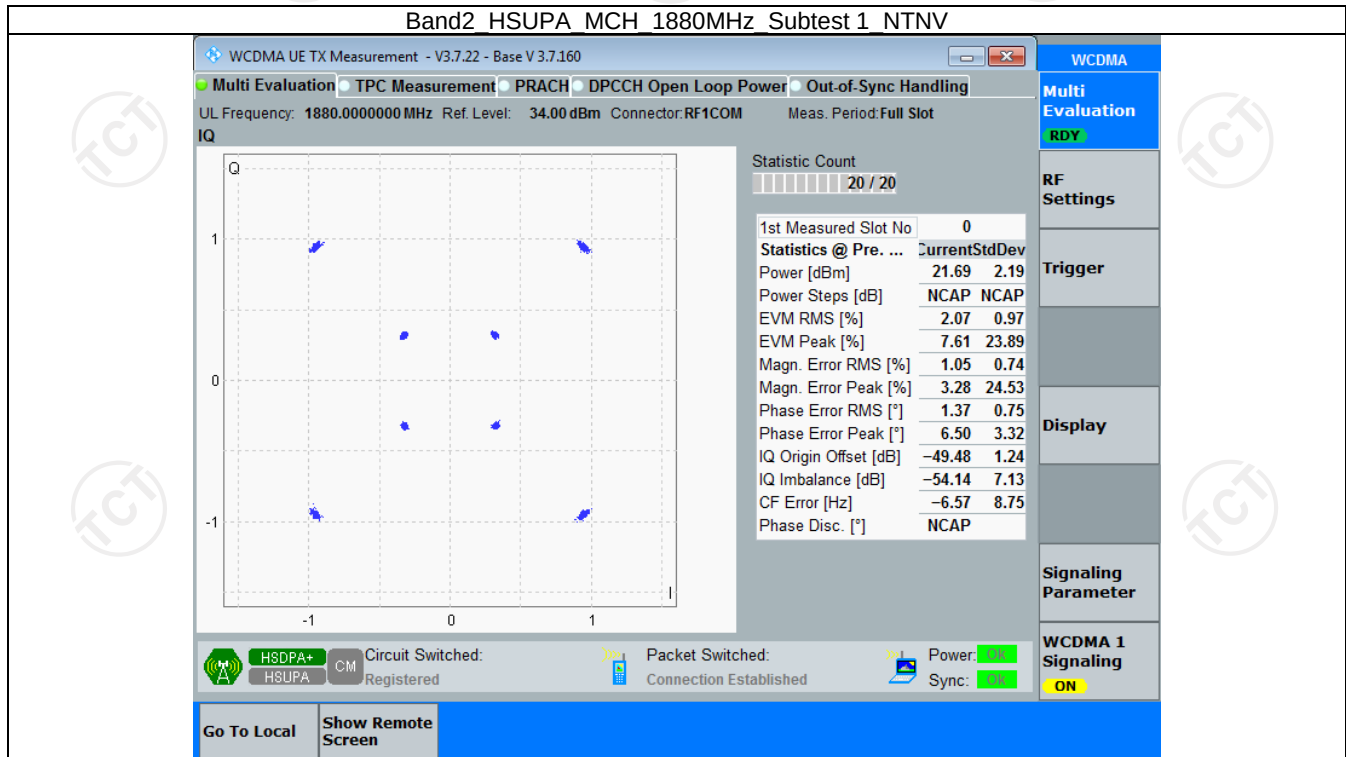
3.1 Band2

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

3.1.2 Test Graph





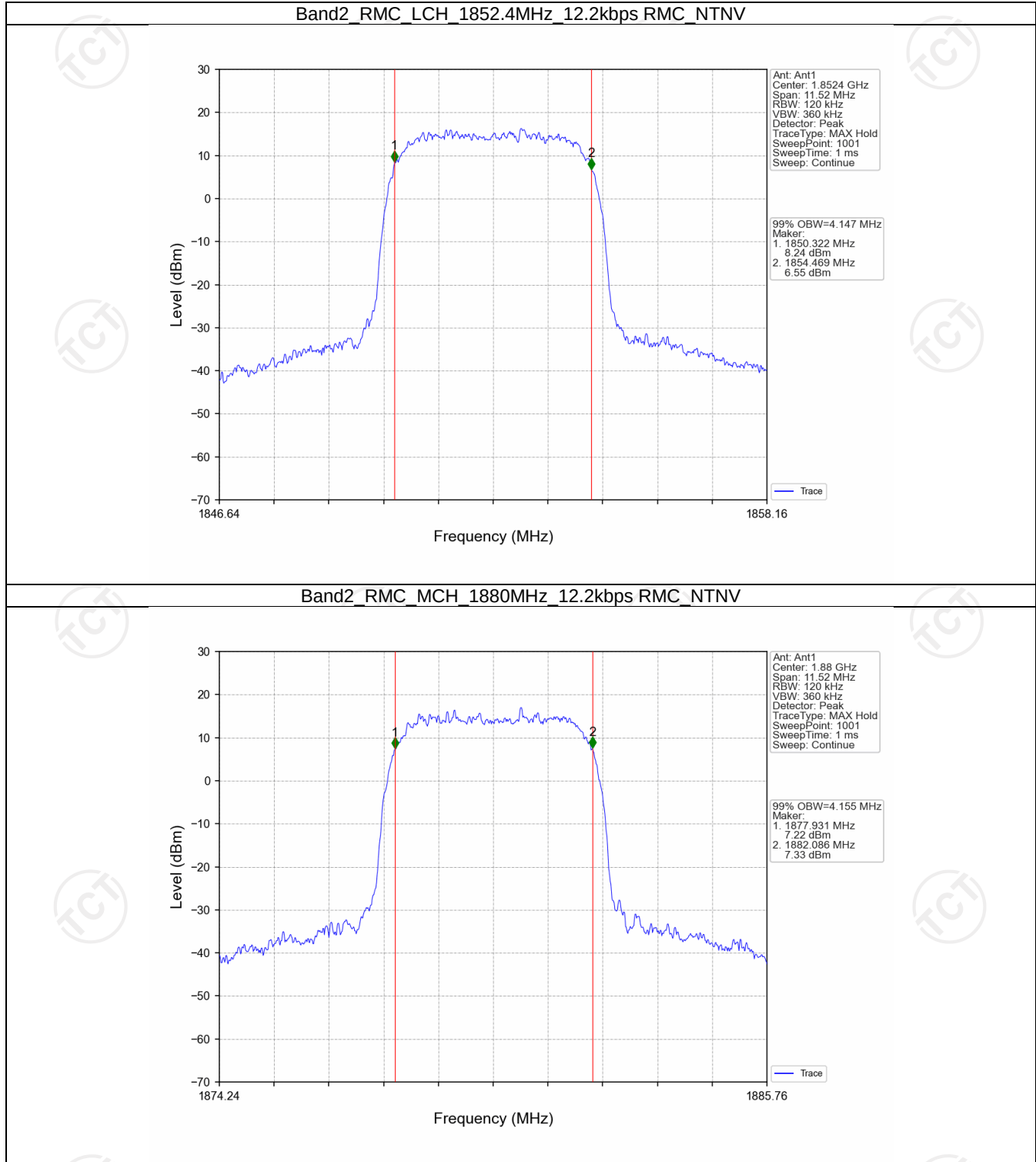
4. 99% & 26dB Bandwidth

4.1 Band2_OBW

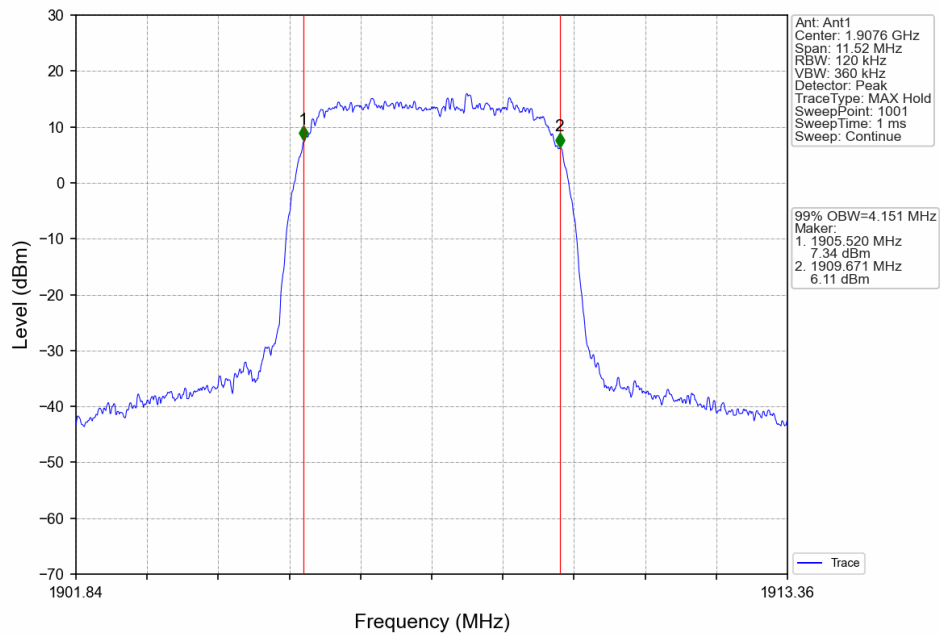
4.1.1 Test Result

Band: 2					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.147	Pass
			1880	4.155	Pass
			1907.6	4.151	Pass
	HSDPA	Subtest 1	1852.4	4.177	Pass
			1880	4.165	Pass
			1907.6	4.176	Pass
	HSUPA	Subtest 1	1852.4	4.159	Pass
			1880	4.158	Pass
			1907.6	4.169	Pass

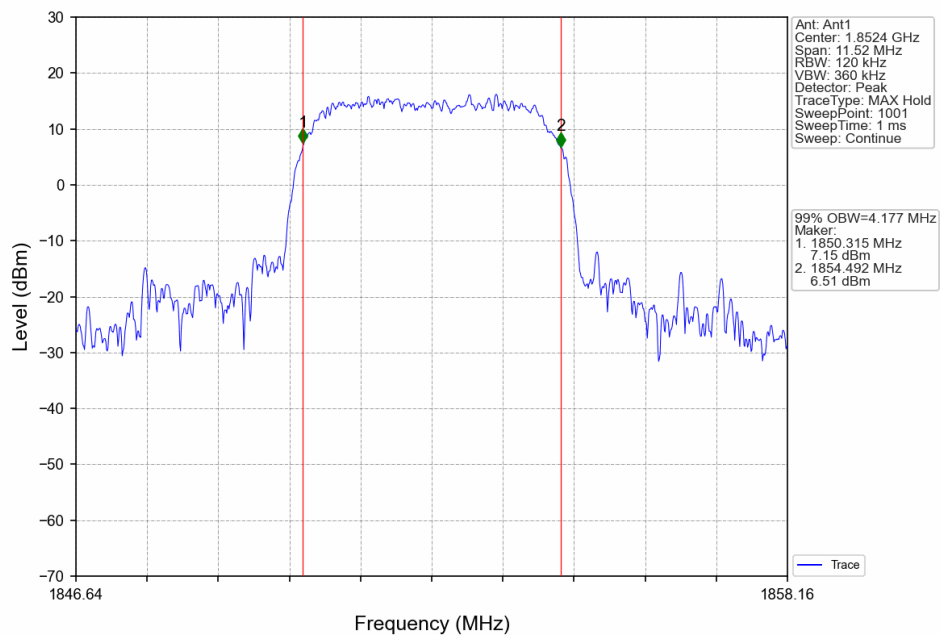
4.1.1.2 Test Graph



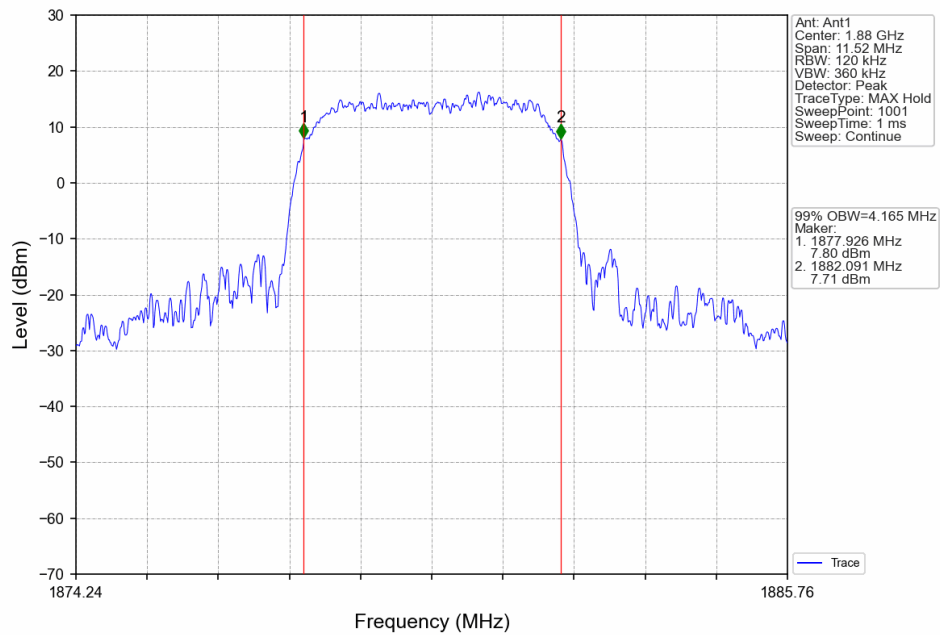
Band2_RMC_HCH_1907.6MHz_12.2kbps_RMC_NTNV



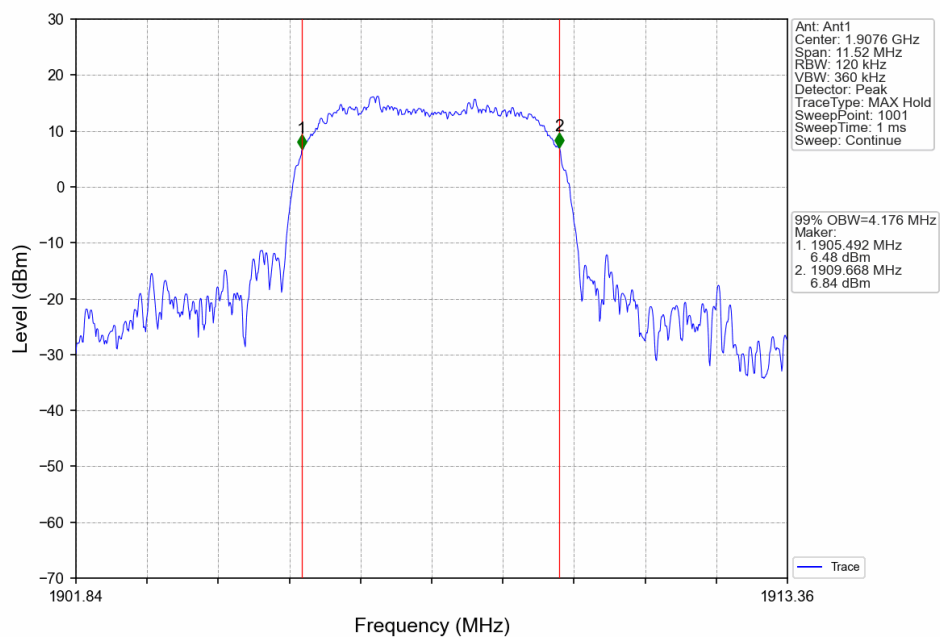
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



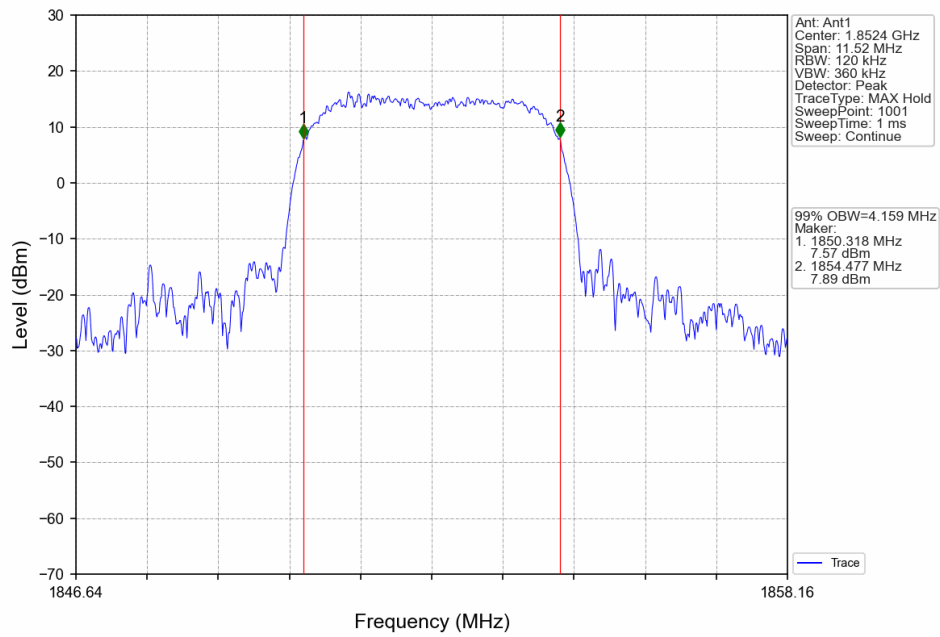
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



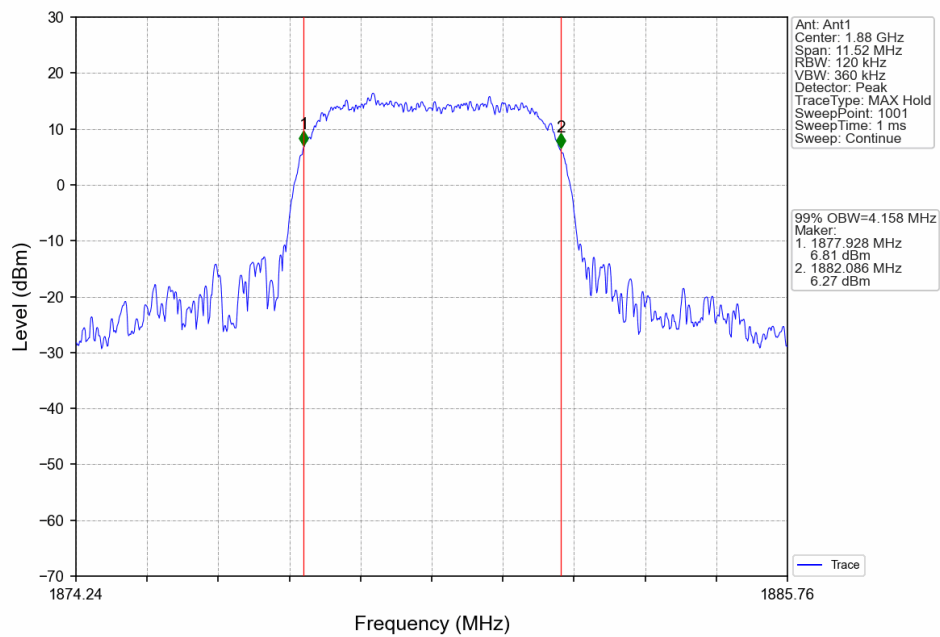
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



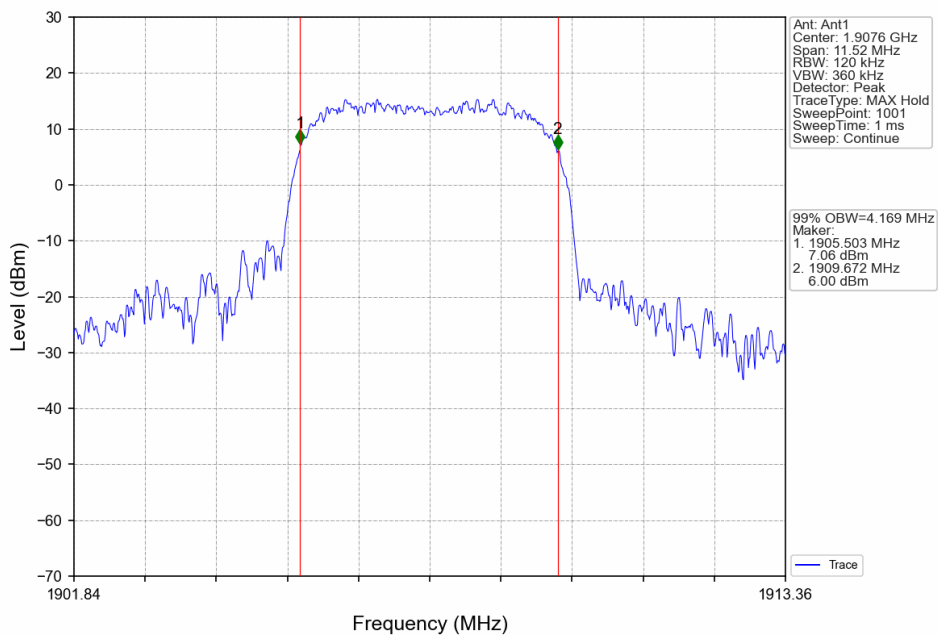
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2 HSUPA HCH 1907.6MHz Subtest 1 NTNV

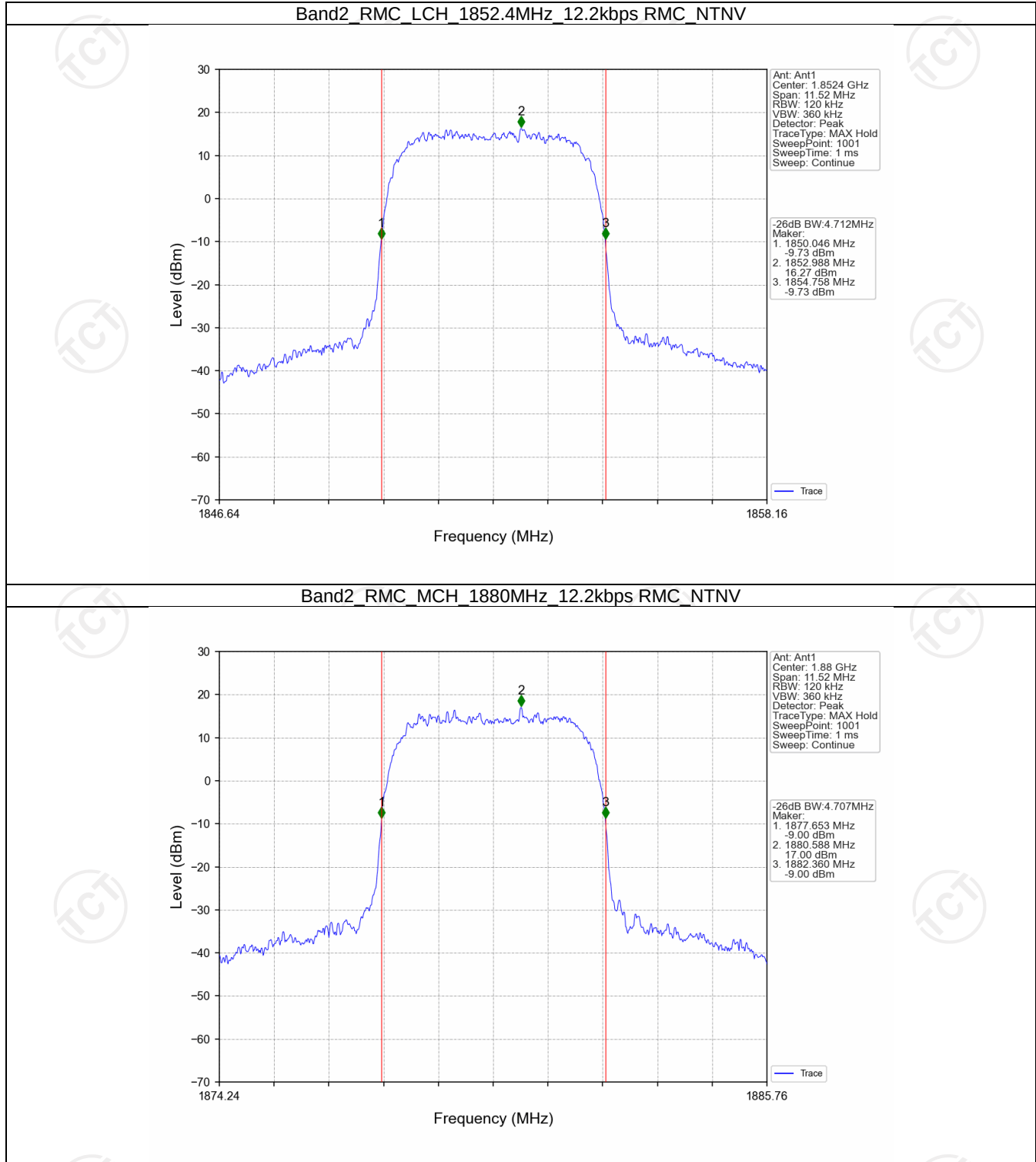


4.2 Band2_XDB

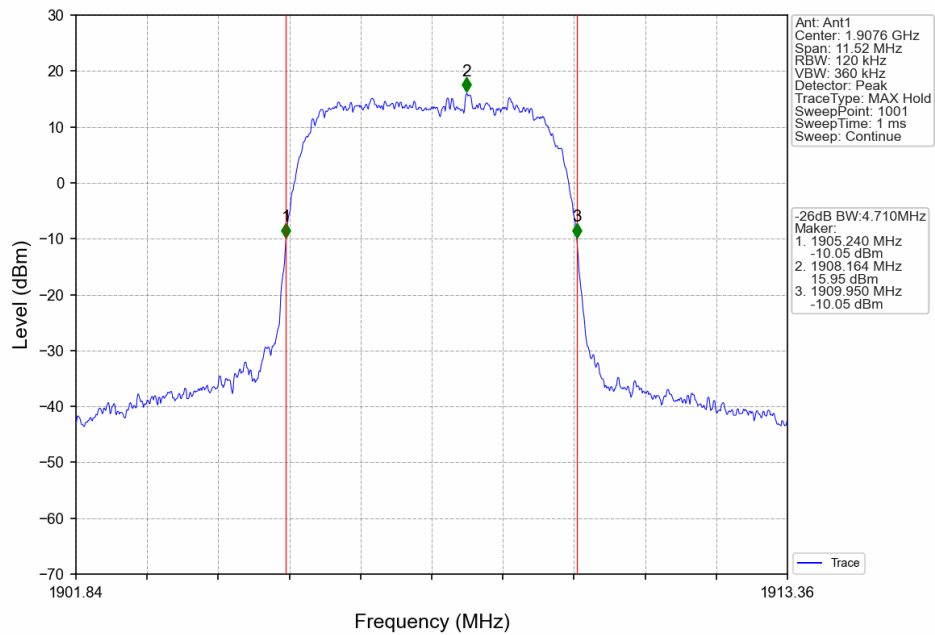
4.2.1 Test Result

Band: 2					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.712	Pass
			1880	4.707	Pass
			1907.6	4.710	Pass
	HSDPA	Subtest 1	1852.4	4.715	Pass
			1880	4.712	Pass
			1907.6	4.706	Pass
	HSUPA	Subtest 1	1852.4	4.726	Pass
			1880	4.696	Pass
			1907.6	4.995	Pass

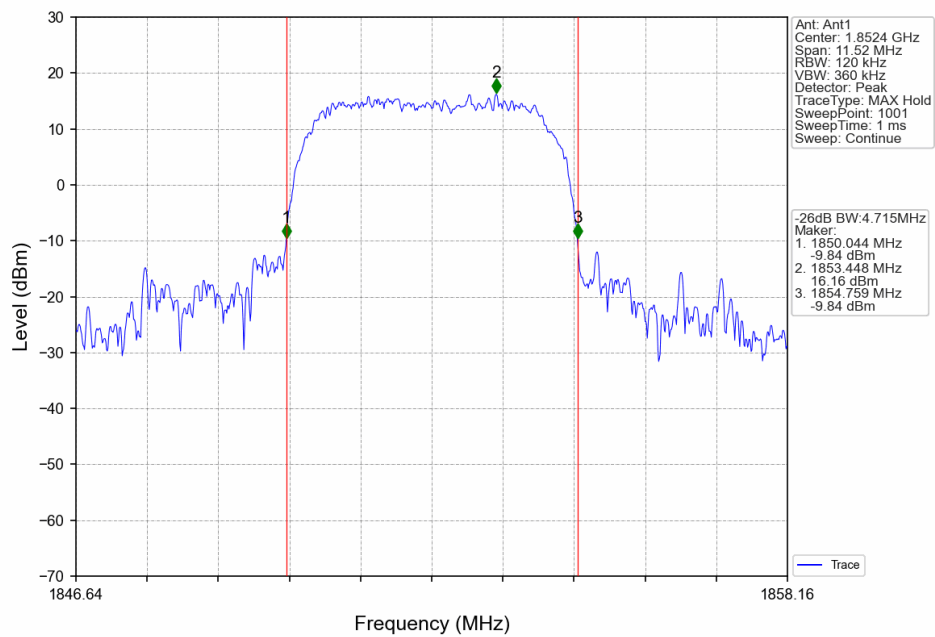
4.2.2 Test Graph



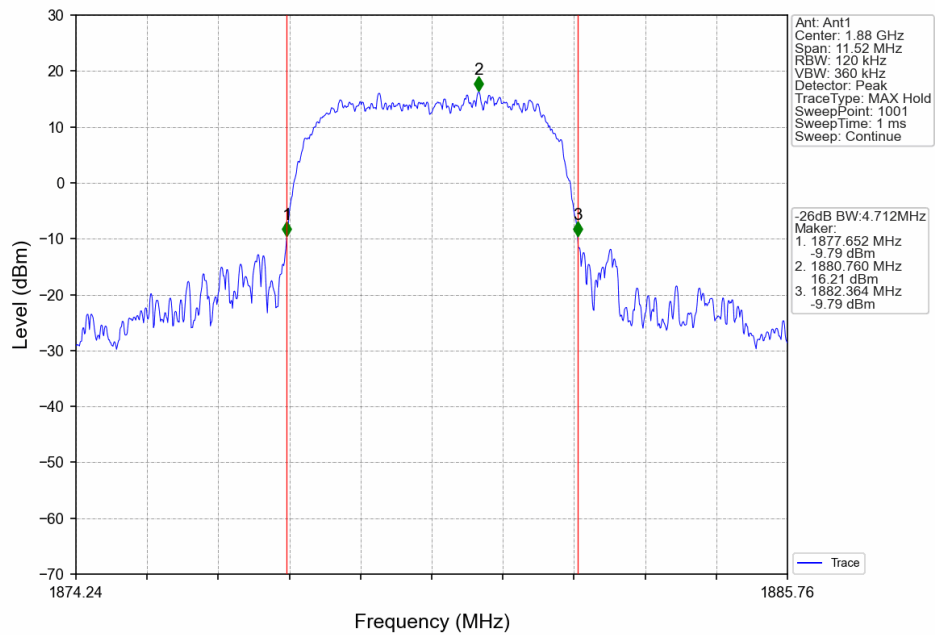
Band2_RMC_HCH_1907.6MHz_12.2kbps_RMC_NTNV



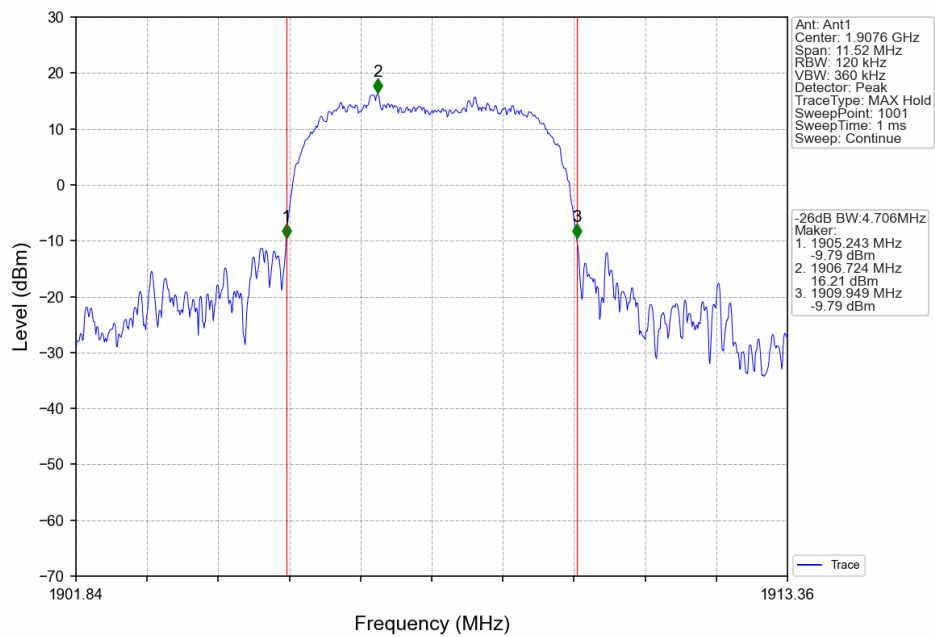
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



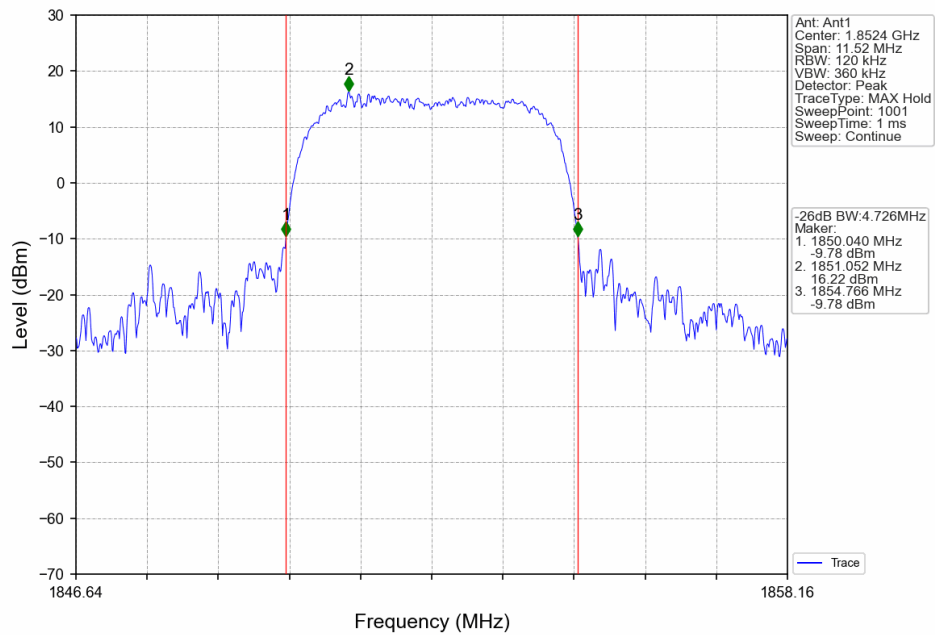
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



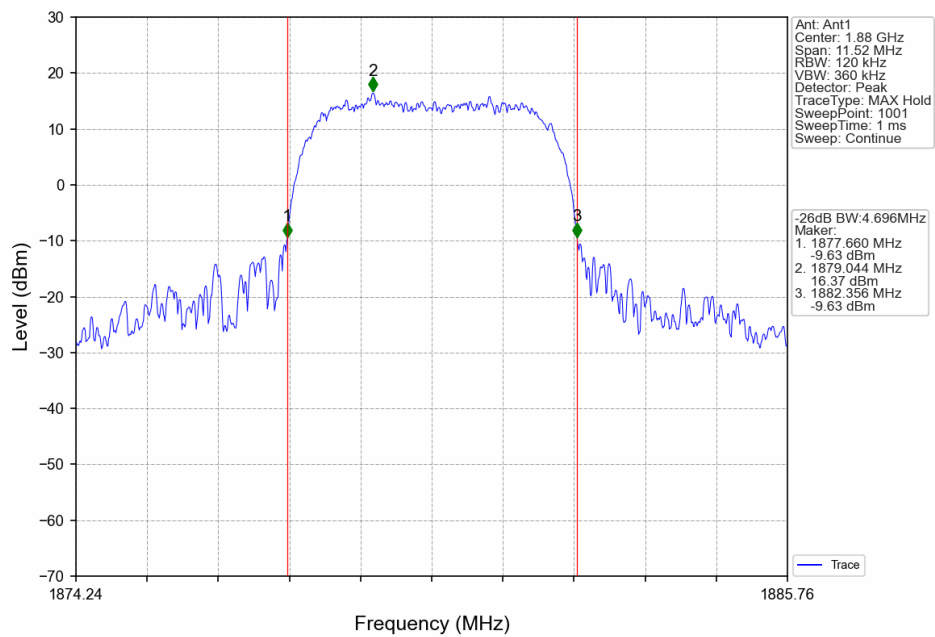
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



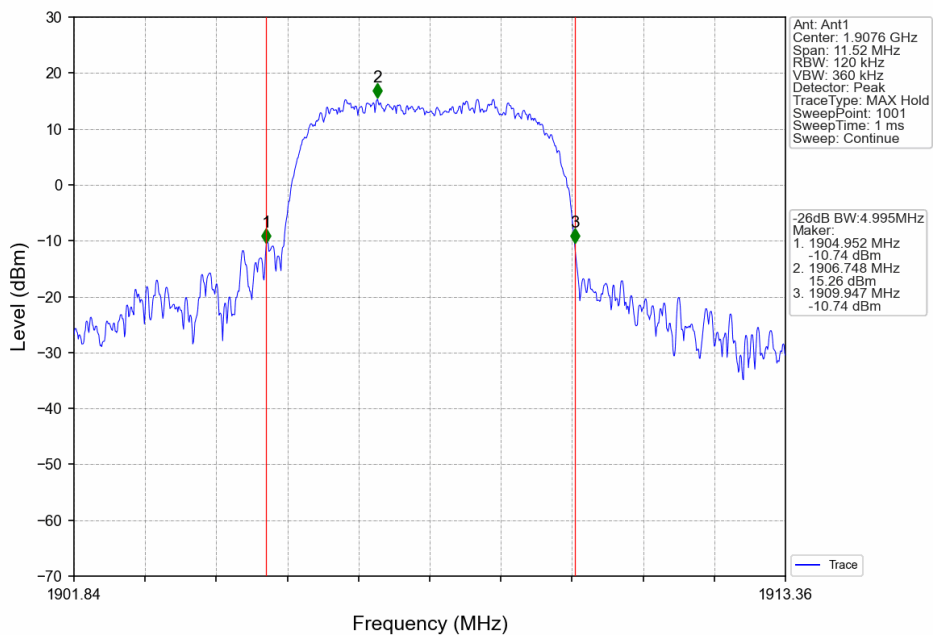
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2 HSUPA HCH 1907.6MHz Subtest 1 NTNV



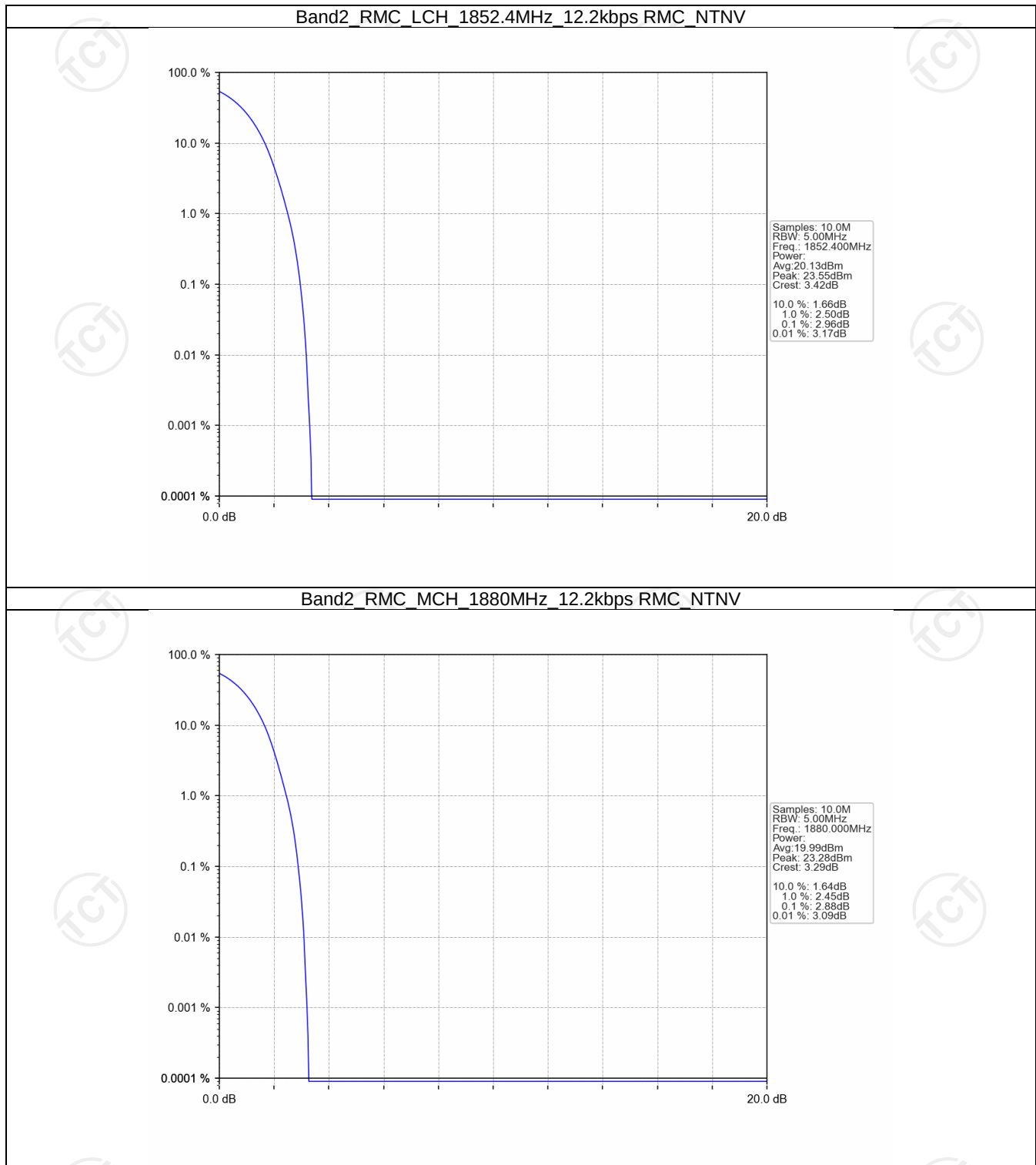
5. Peak-Average Ratio

5.1 Band2

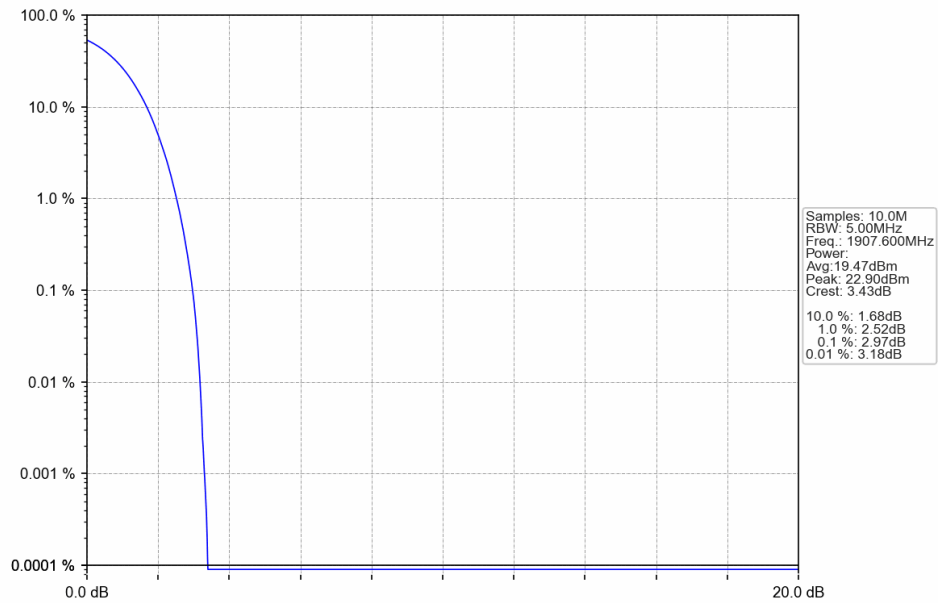
5.1.1 Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	2.96	<=13	Pass
			1880	2.88	<=13	Pass
			1907.6	2.97	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.56	<=13	Pass
			1880	5.42	<=13	Pass
			1907.6	5.72	<=13	Pass
	HSUPA	Subtest 1	1852.4	5.46	<=13	Pass
			1880	5.42	<=13	Pass
			1907.6	5.62	<=13	Pass

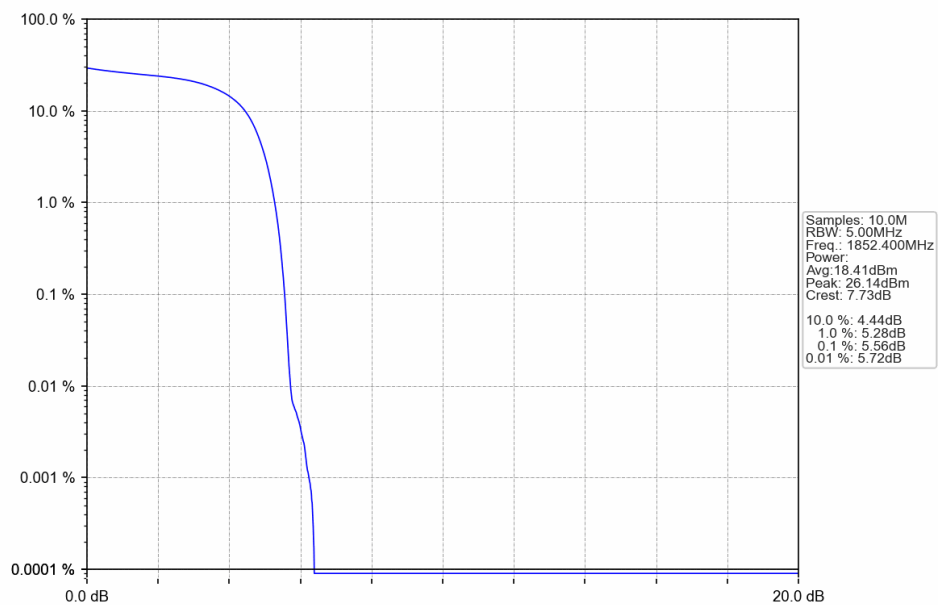
5.1.2 Test Graph



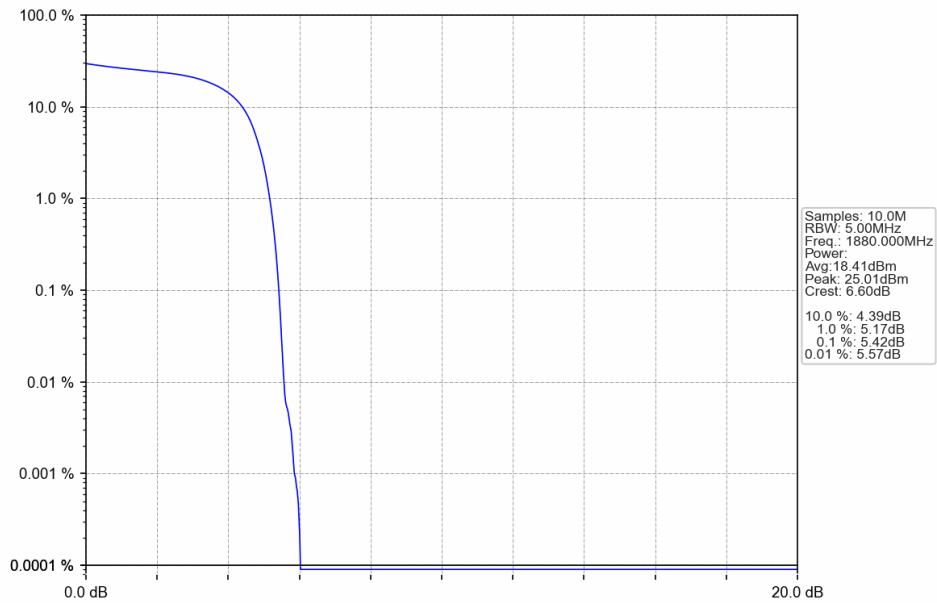
Band2_RMC_HCH_1907.6MHz_12.2kbps_RMC_NTNV



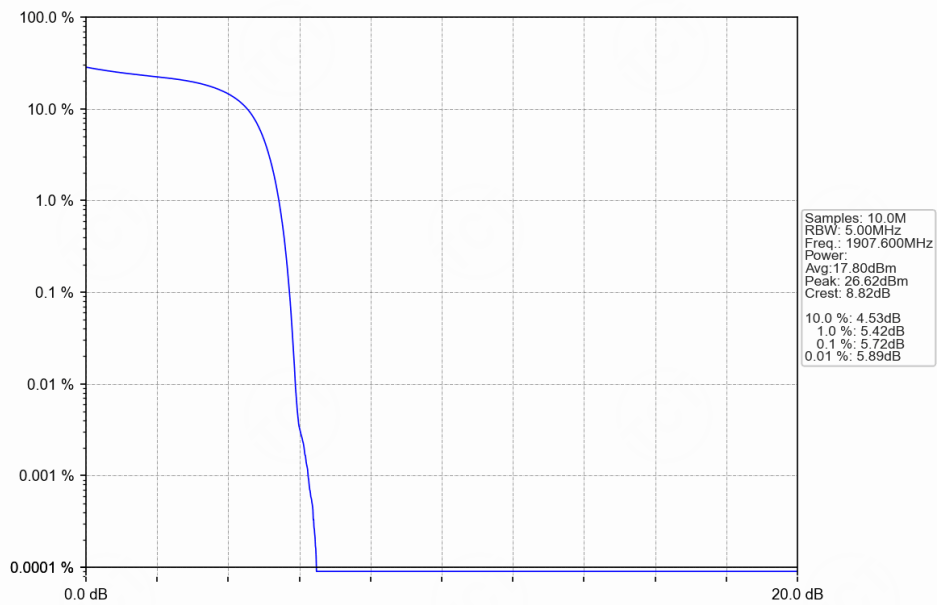
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



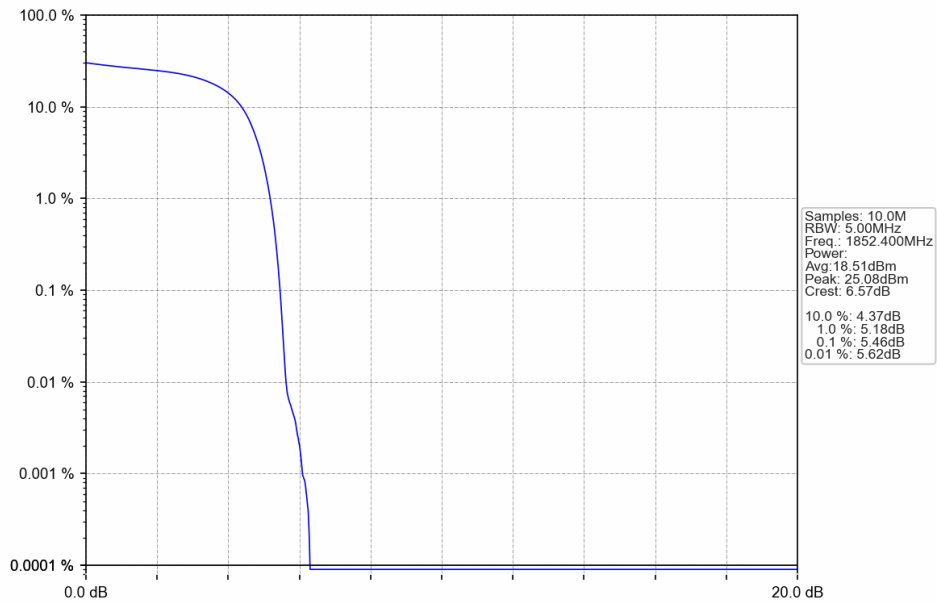
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



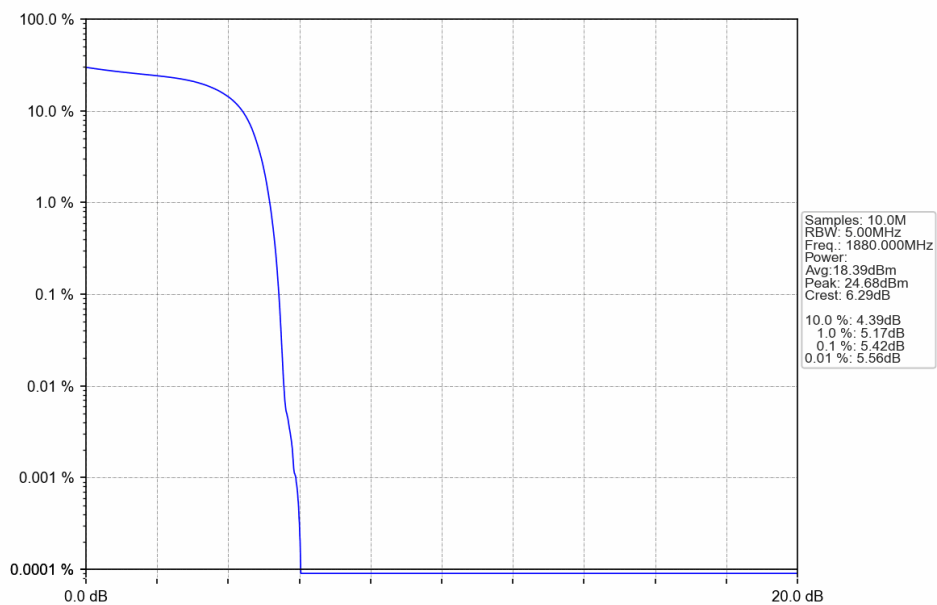
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



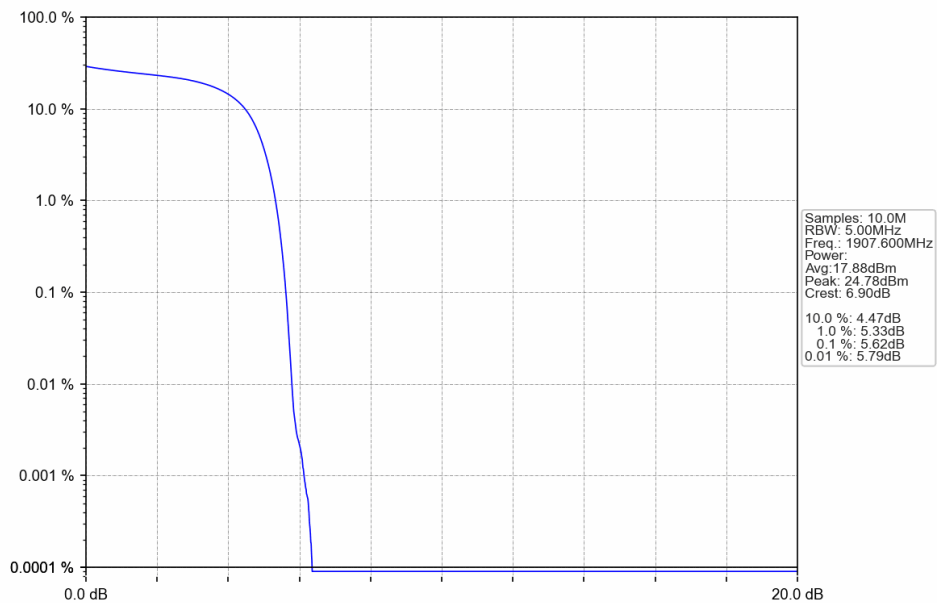
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2 HSUPA HCH 1907.6MHz Subtest 1 NTV



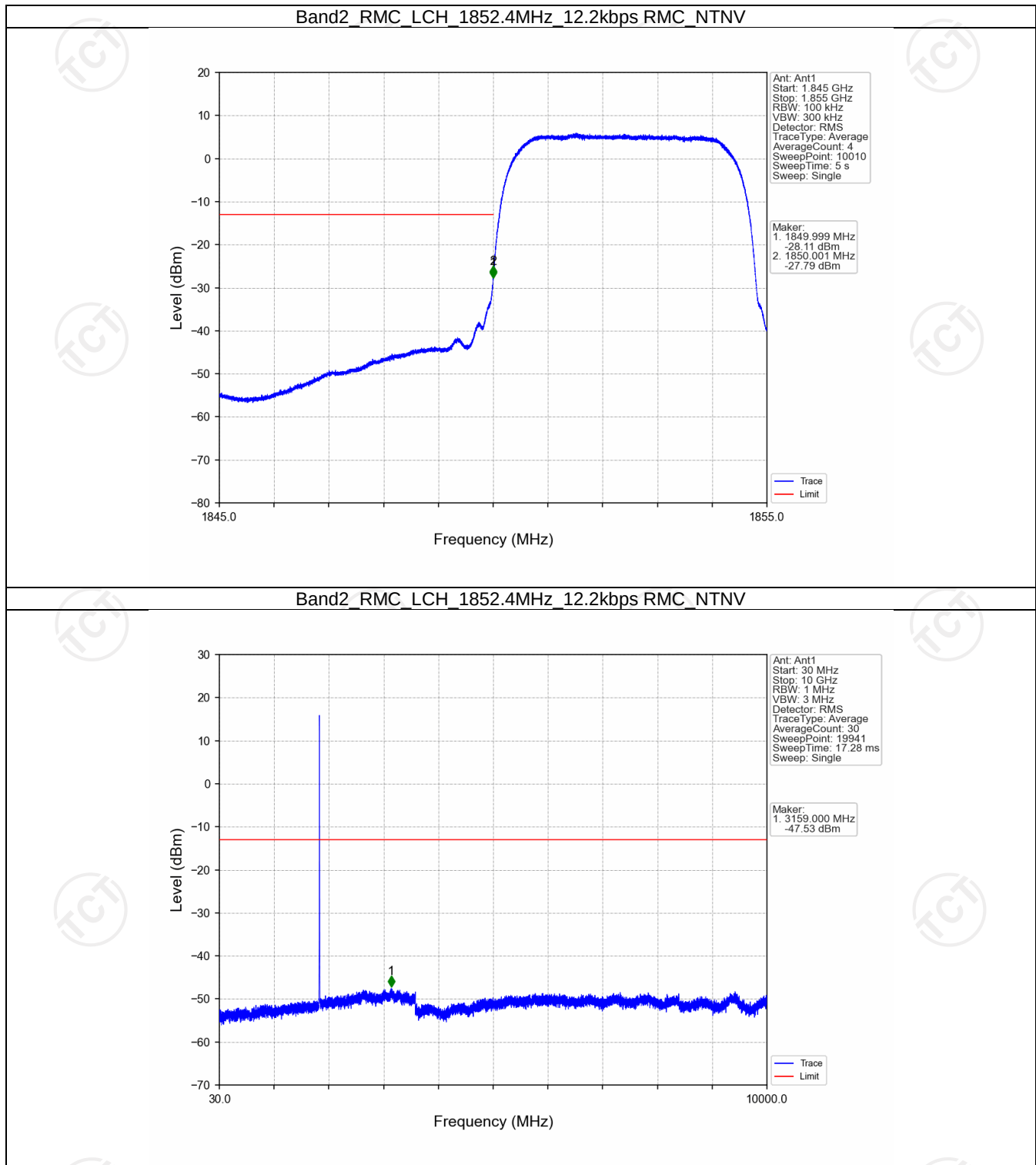
6. Spurious Emission

6.1 Band2

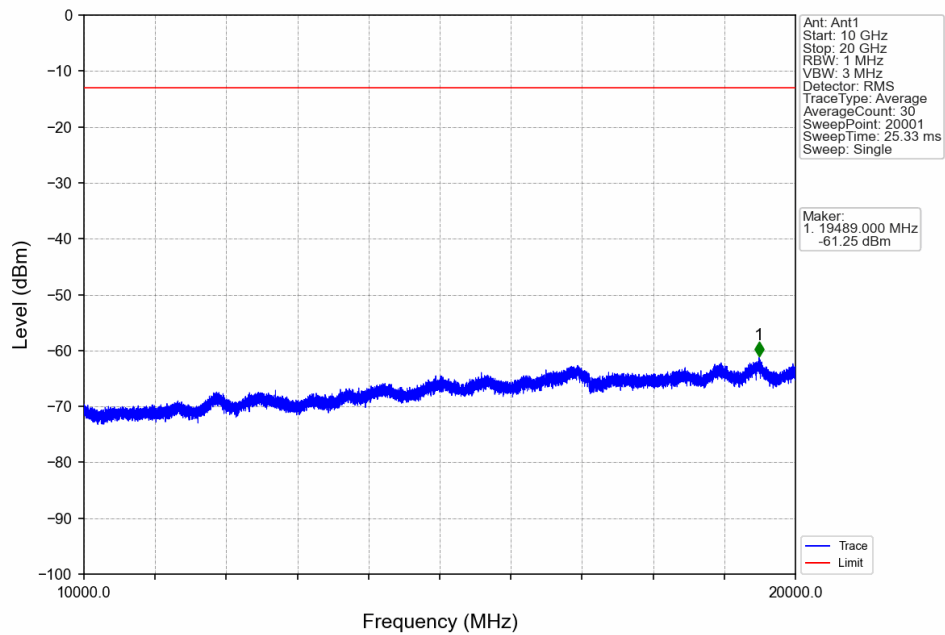
6.1.1 Test Result

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

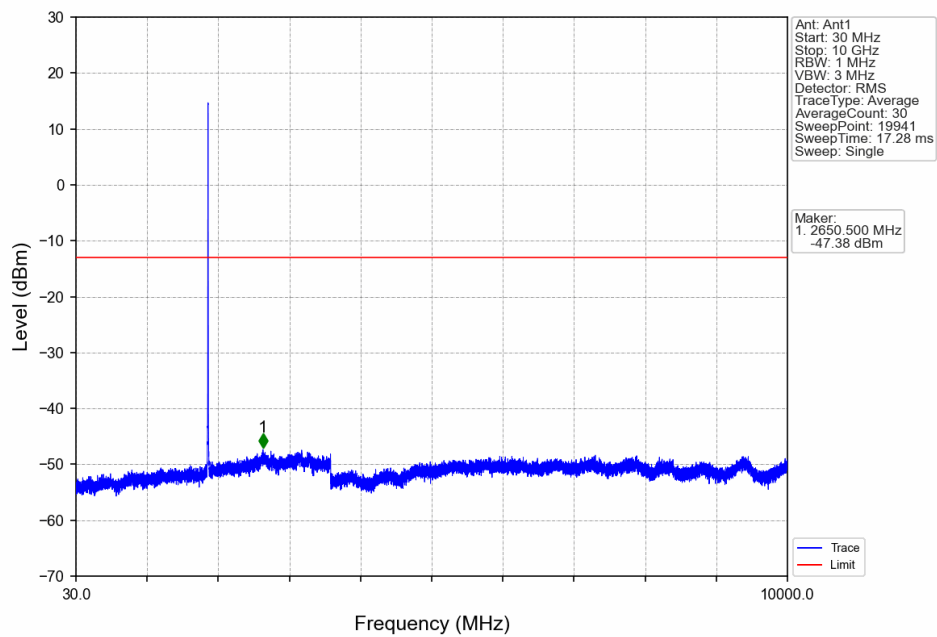
6.1.2 Test Graph



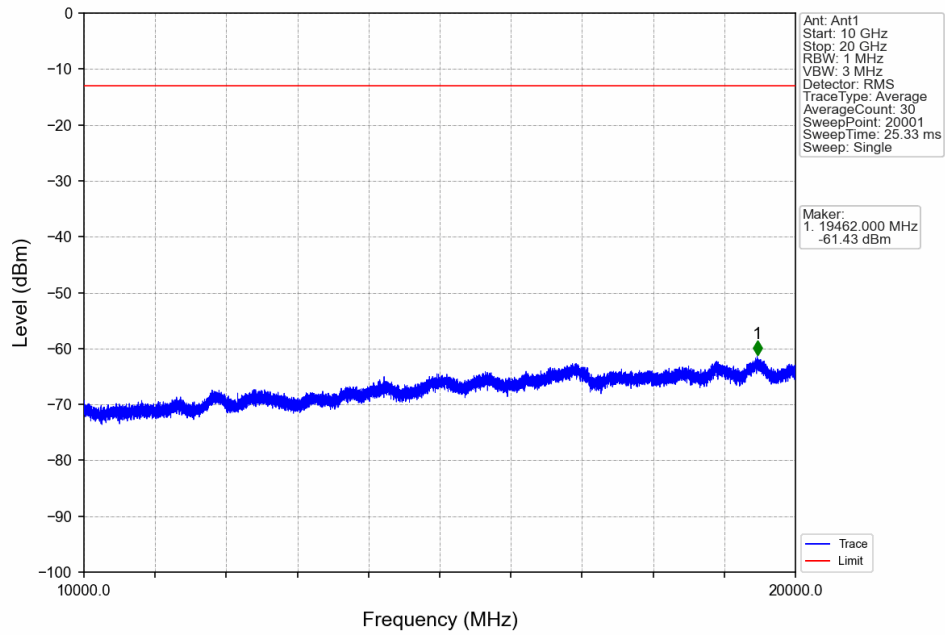
Band2_RMC_LCH_1852.4MHz_12.2kbps_RMC_NTNV



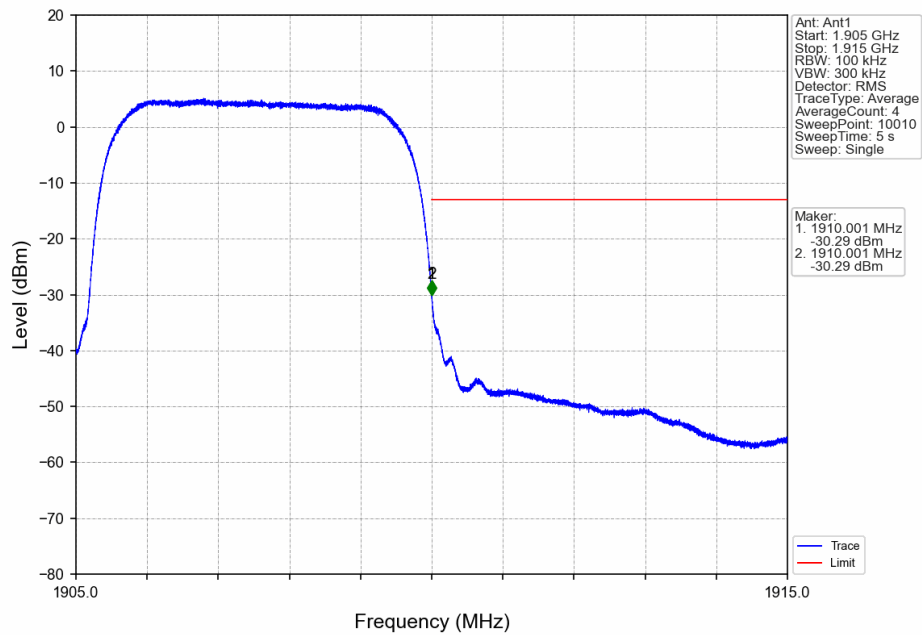
Band2_RMC_MCH_1880MHz_12.2kbps_RMC_NTNV



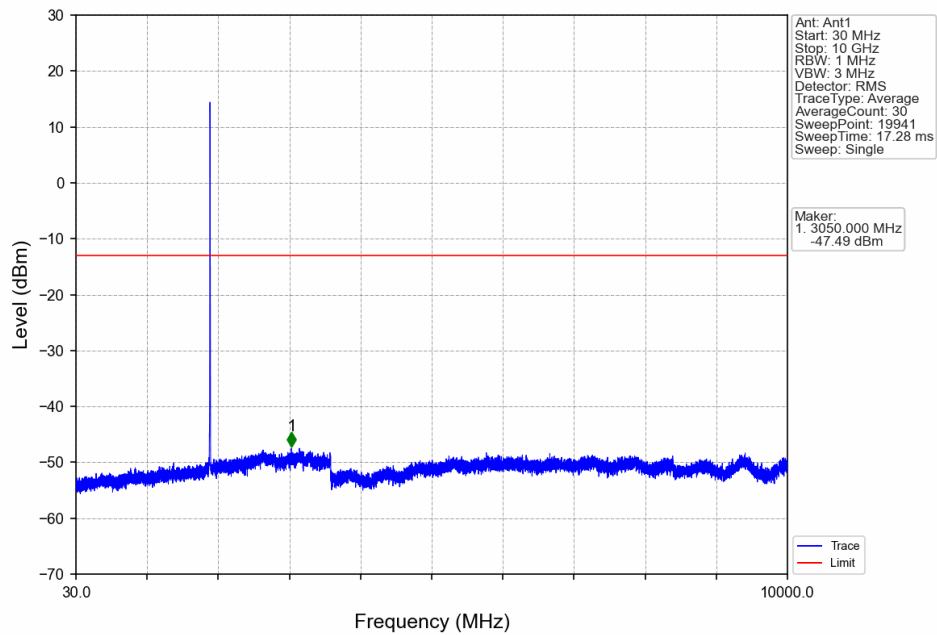
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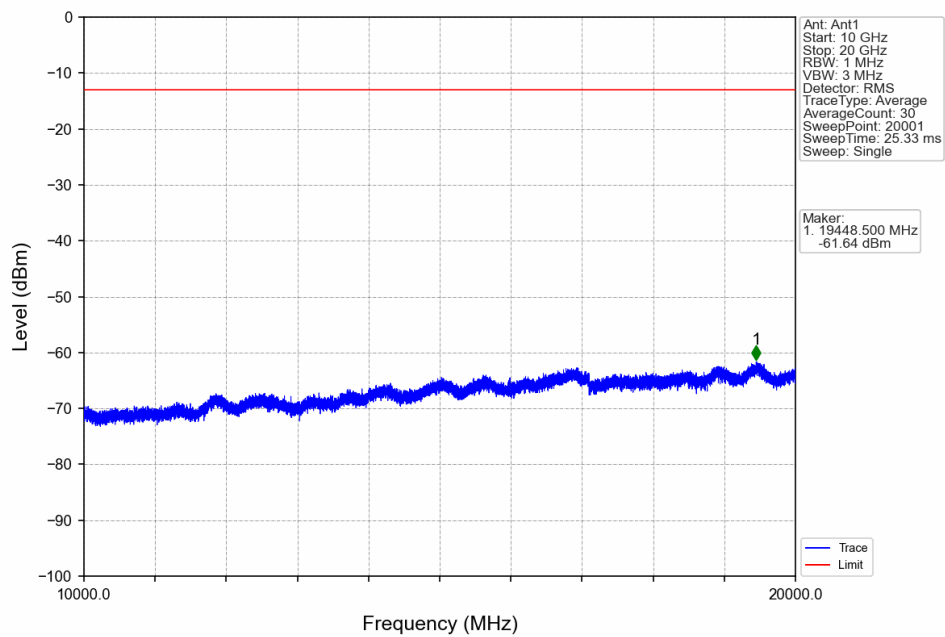
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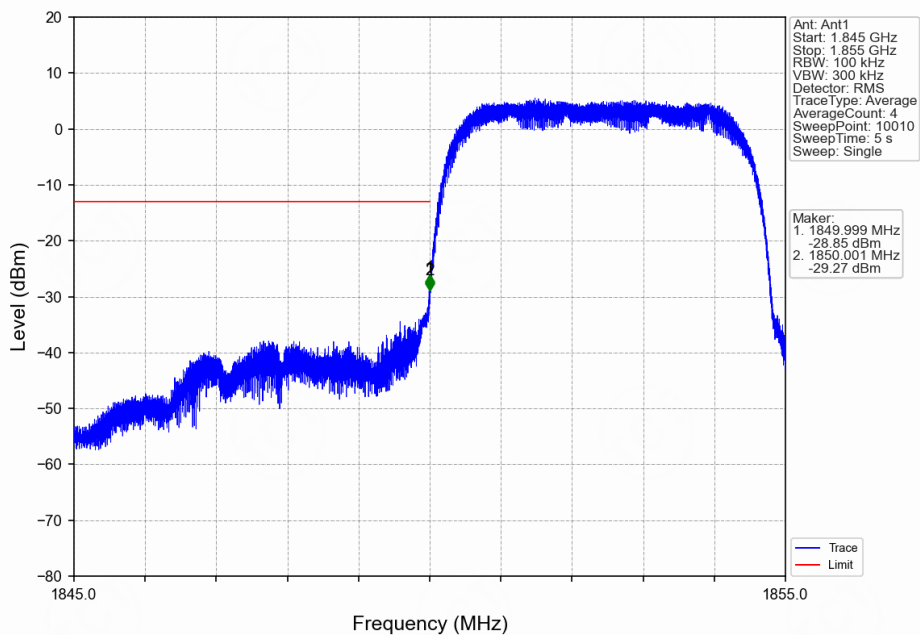
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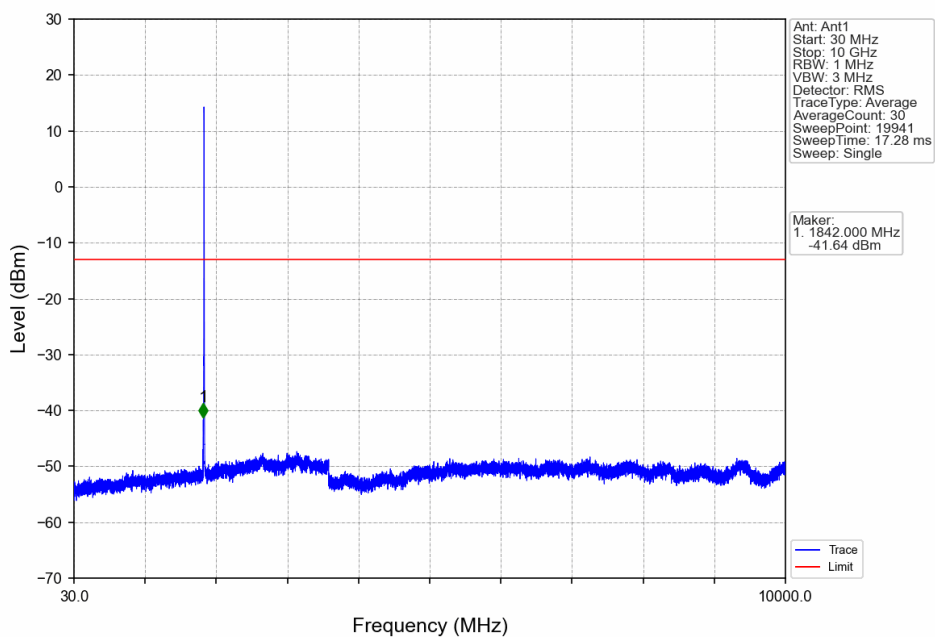
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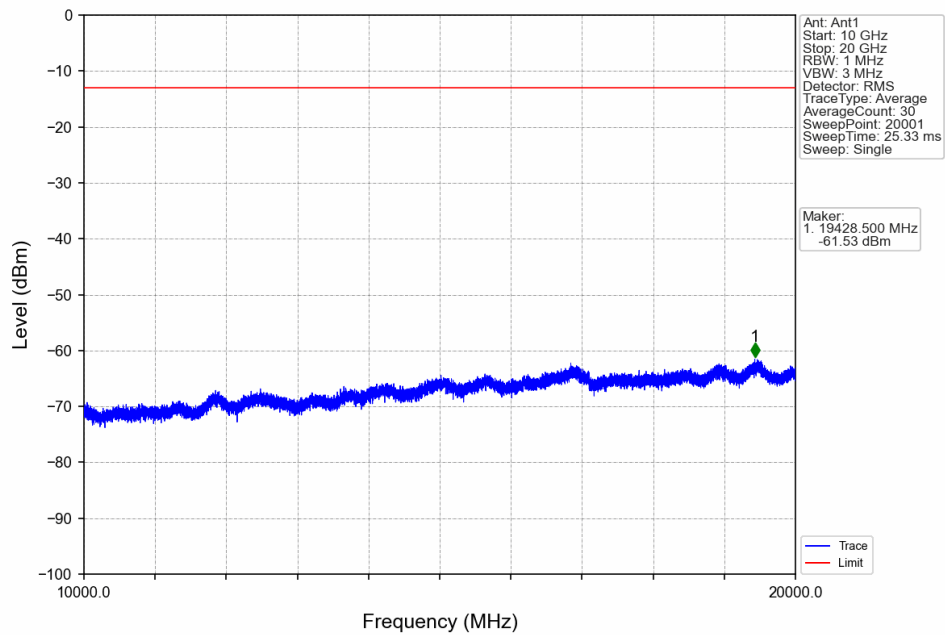
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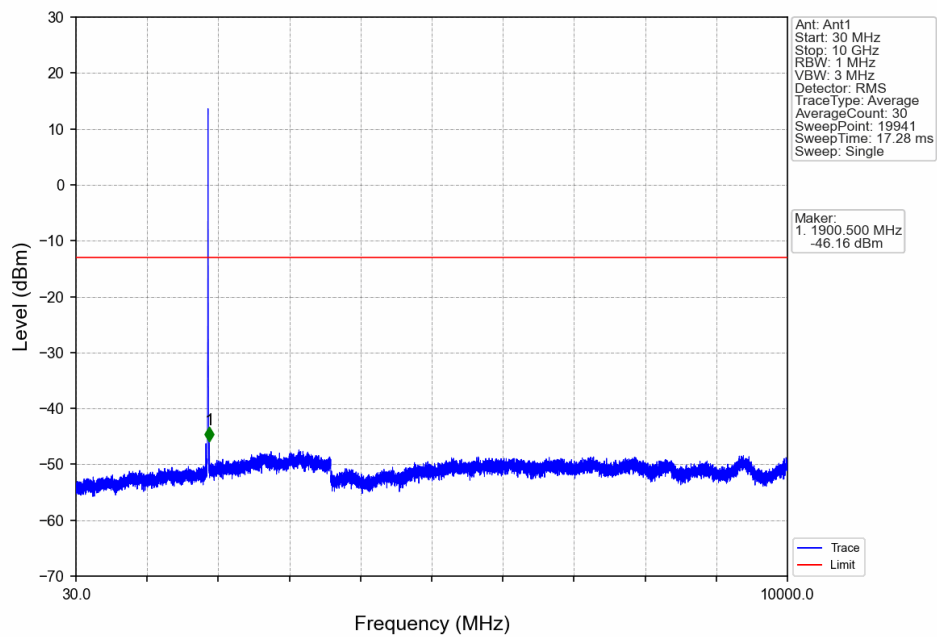
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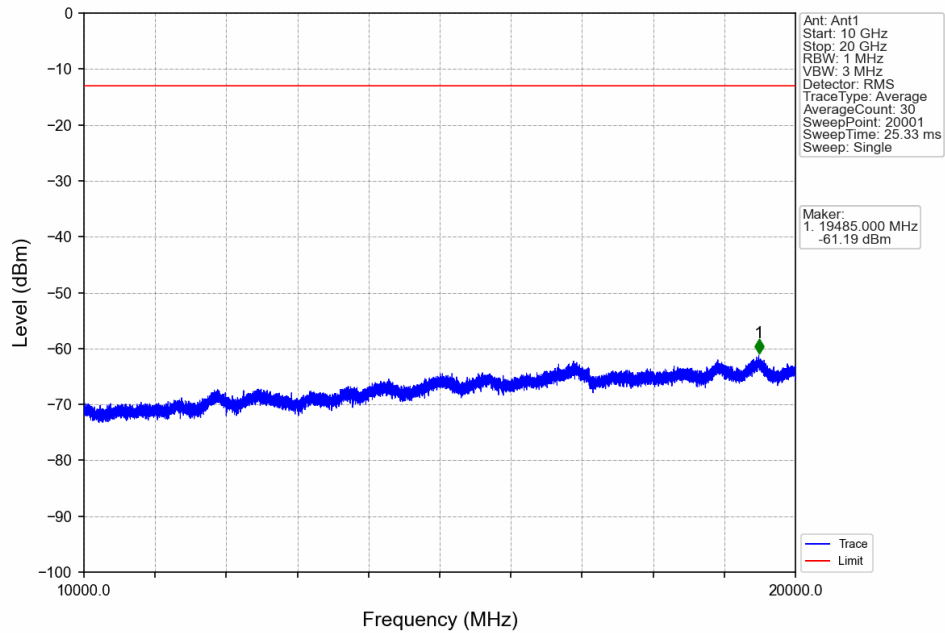
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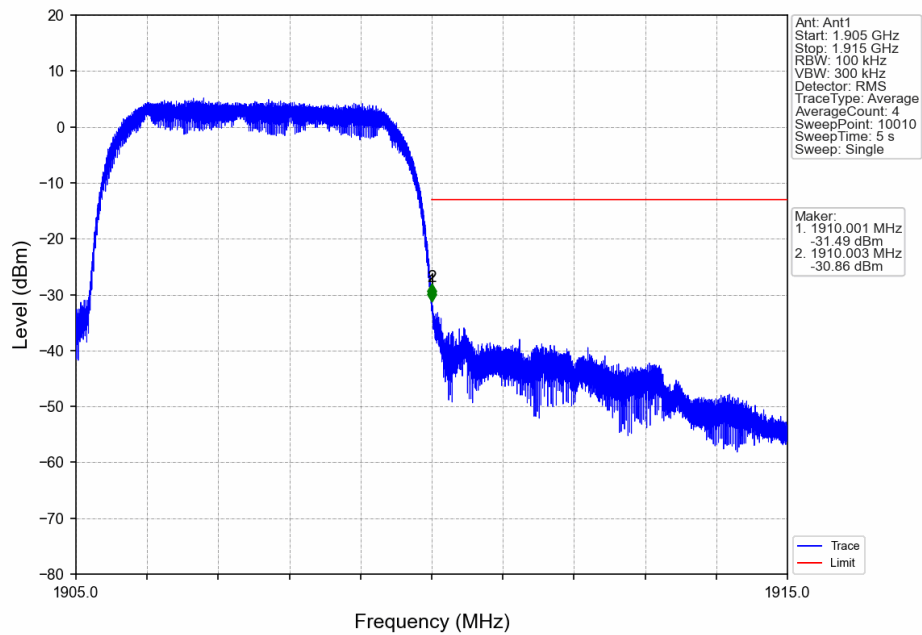
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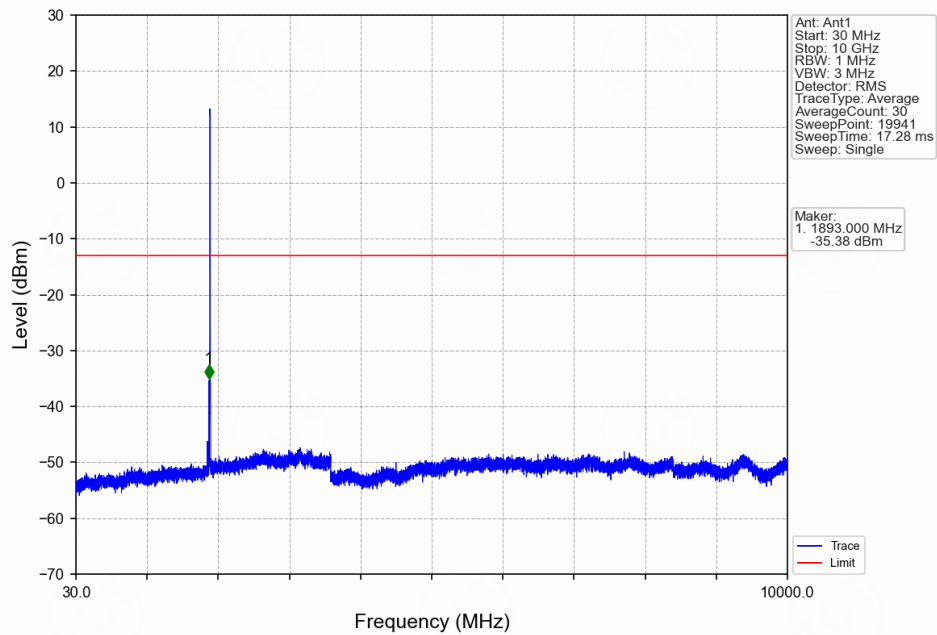
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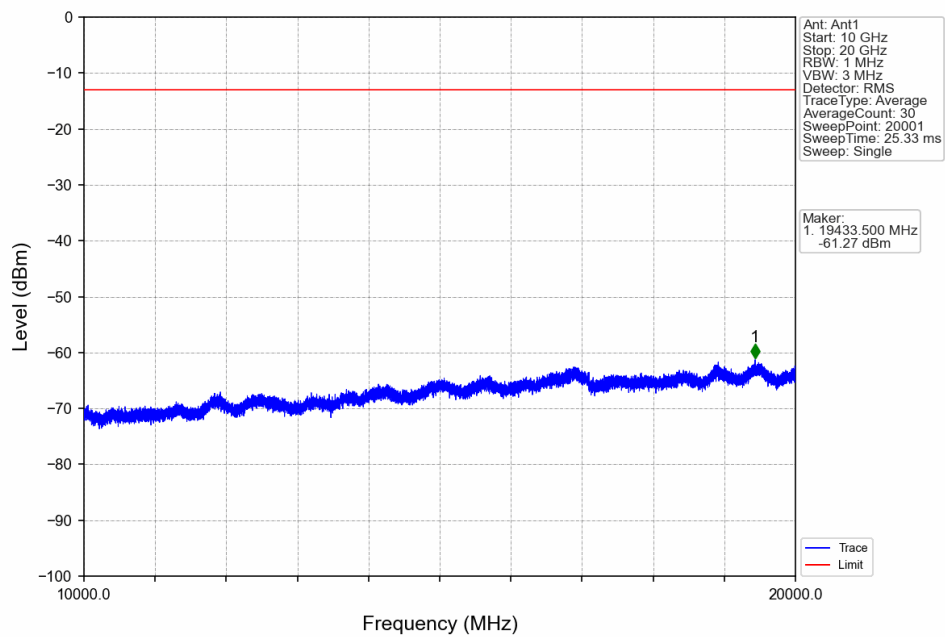
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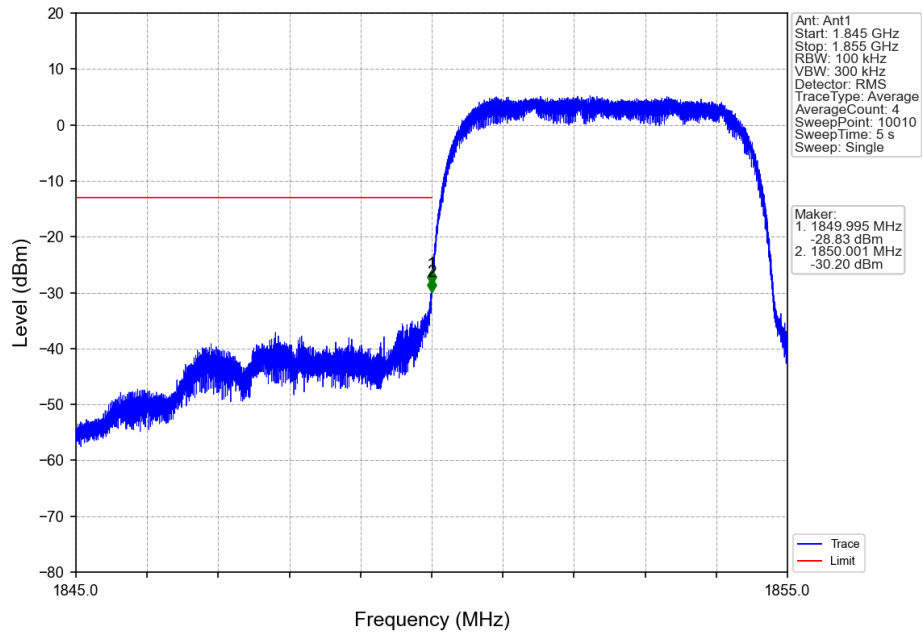
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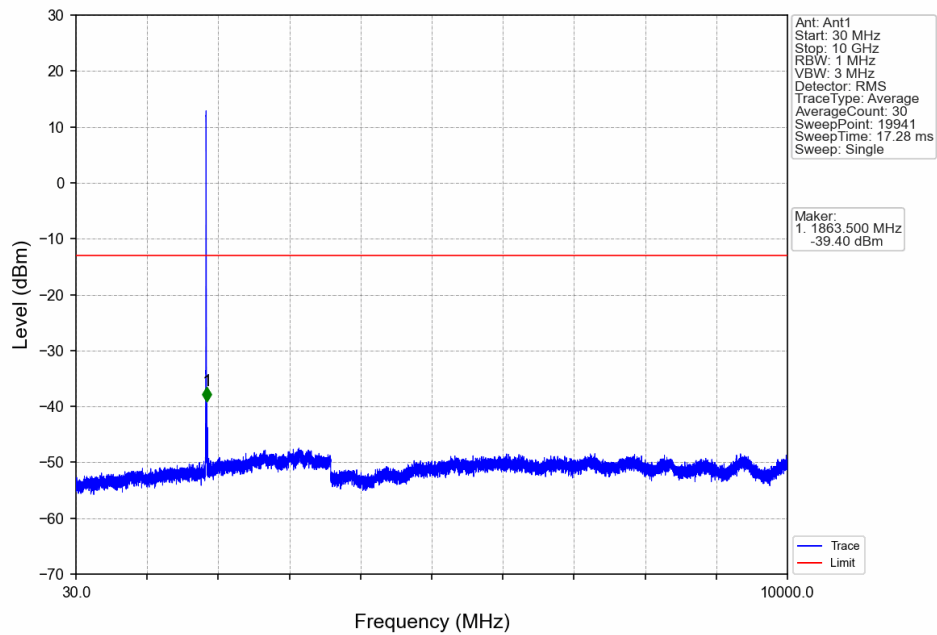
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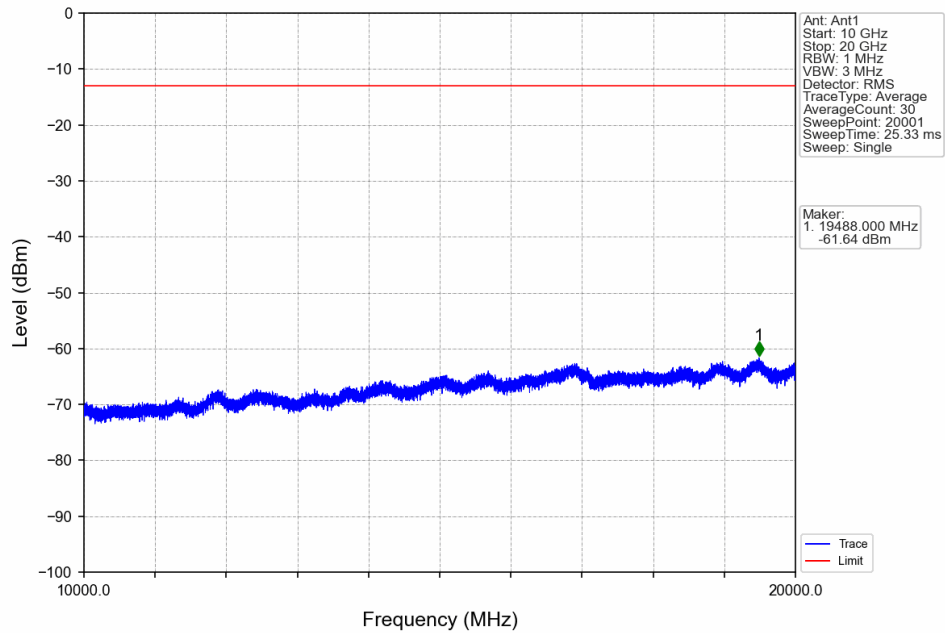
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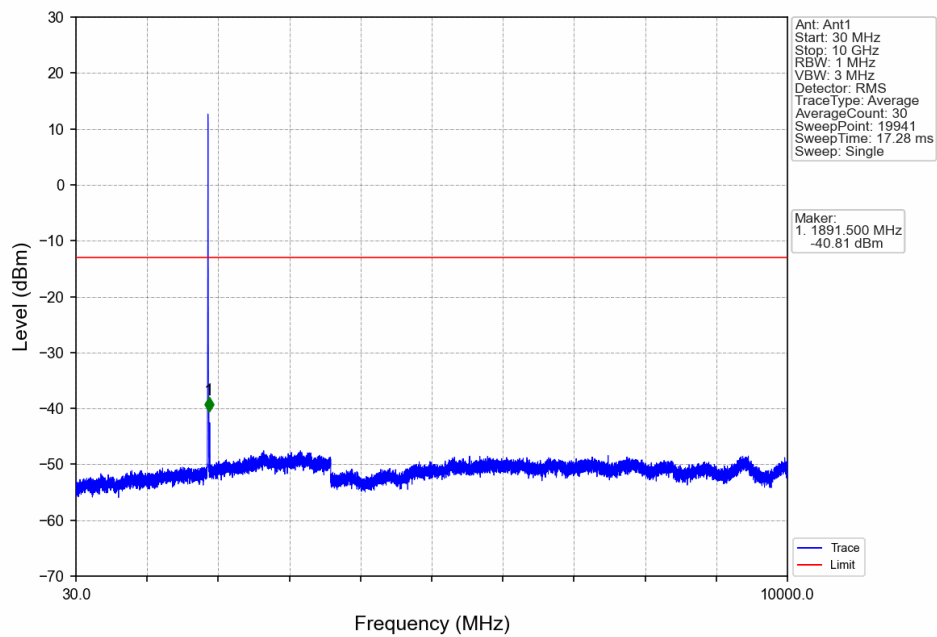
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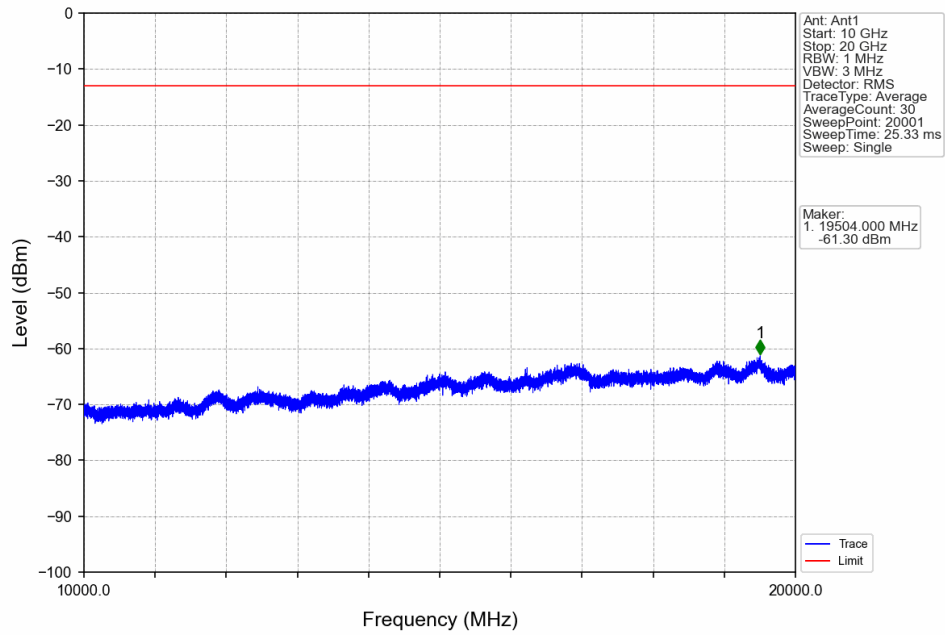
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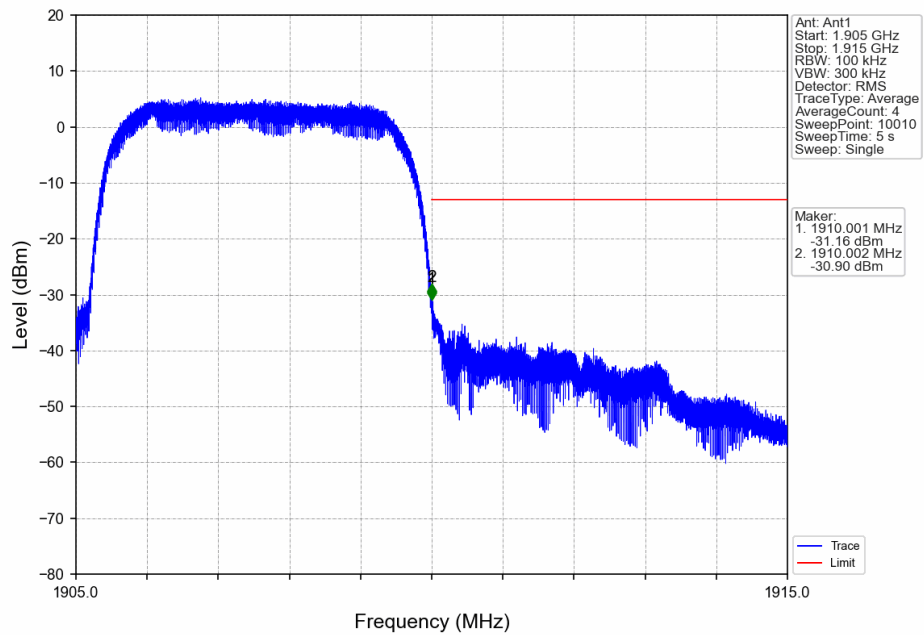
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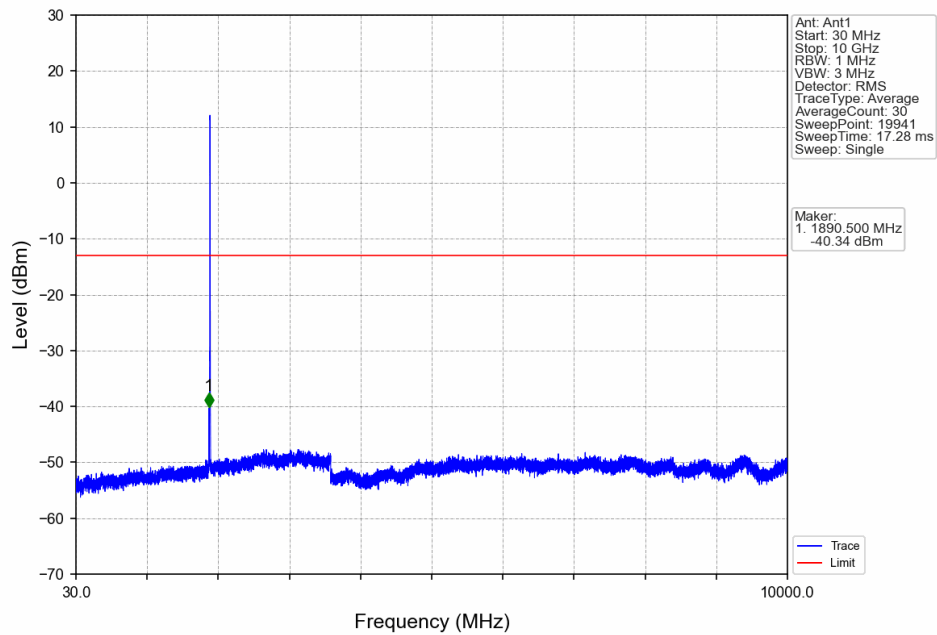
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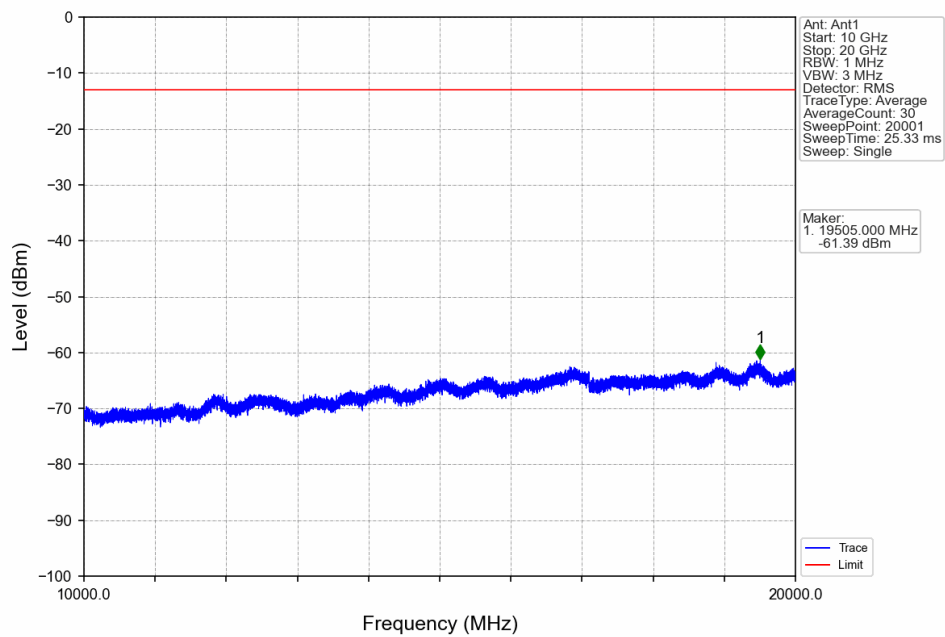
Band2 HSUPA HCH 1907.6MHz Subtest 1 NTN



Band2 HSUPA HCH 1907.6MHz Subtest 1 NTN



Band2 HSUPA HCH 1907.6MHz Subtest 1 NTN



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
2	3.84	1852.4	1907.6	0.1403	0.0096	ppm	4M18F9W	24E	21.47

7.2 Form731_EIRP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
2	3.84	1852.4	1907.6	0.1542	0.0096	ppm	4M18F9W	24E	21.88