

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	26.55	2.35	28.90	<=33.01	Pass	
			1880	28.03	2.35	30.38	<=33.01	Pass	
			1907.6	26.11	2.35	28.46	<=33.01	Pass	
	HSDPA	Subtest 1	1852.4	24.28	2.35	26.63	<=33.01	Pass	
		Subtest 2	1852.4	24.23	2.35	26.58	<=33.01	Pass	
		Subtest 3	1852.4	24.31	2.35	26.66	<=33.01	Pass	
		Subtest 4	1852.4	24.13	2.35	26.48	<=33.01	Pass	
		Subtest 1	1880	24.93	2.35	27.28	<=33.01	Pass	
		Subtest 2	1880	24.84	2.35	27.19	<=33.01	Pass	
		Subtest 3	1880	24.91	2.35	27.26	<=33.01	Pass	
		Subtest 4	1880	24.92	2.35	27.27	<=33.01	Pass	
		Subtest 1	1907.6	23.38	2.35	25.73	<=33.01	Pass	
		Subtest 2	1907.6	23.35	2.35	25.70	<=33.01	Pass	
		Subtest 3	1907.6	23.38	2.35	25.73	<=33.01	Pass	
		Subtest 4	1907.6	23.33	2.35	25.68	<=33.01	Pass	
		HSUPA	Subtest 1	1852.4	22.70	2.35	25.05	<=33.01	Pass
			Subtest 2	1852.4	22.68	2.35	25.03	<=33.01	Pass
			Subtest 3	1852.4	22.65	2.35	25.00	<=33.01	Pass
			Subtest 4	1852.4	22.89	2.35	25.24	<=33.01	Pass
			Subtest 5	1852.4	22.86	2.35	25.21	<=33.01	Pass
			Subtest 1	1880	22.93	2.35	25.28	<=33.01	Pass
			Subtest 2	1880	23.26	2.35	25.61	<=33.01	Pass
			Subtest 3	1880	23.10	2.35	25.45	<=33.01	Pass
			Subtest 4	1880	23.03	2.35	25.38	<=33.01	Pass
			Subtest 5	1880	22.88	2.35	25.23	<=33.01	Pass
			Subtest 1	1907.6	21.27	2.35	23.62	<=33.01	Pass
			Subtest 2	1907.6	21.89	2.35	24.24	<=33.01	Pass
	Subtest 3		1907.6	21.51	2.35	23.86	<=33.01	Pass	
	Subtest 4		1907.6	21.97	2.35	24.32	<=33.01	Pass	
	Subtest 5		1907.6	21.84	2.35	24.19	<=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	3.27	-7.761	-0.0042	-2.5 to 2.5	Pass
			3.85	-4.327	-0.0023	-2.5 to 2.5	Pass
			4.43	-2.890	-0.0016	-2.5 to 2.5	Pass
		-30	3.85	-3.569	-0.0019	-2.5 to 2.5	Pass
		-20	3.85	-4.721	-0.0025	-2.5 to 2.5	Pass

		-10	3.85	-4.156	-0.0022	-2.5 to 2.5	Pass		
		0	3.85	-2.460	-0.0013	-2.5 to 2.5	Pass		
		10	3.85	-6.459	-0.0035	-2.5 to 2.5	Pass		
		30	3.85	0.851	0.0005	-2.5 to 2.5	Pass		
		40	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass		
		50	3.85	-5.450	-0.0029	-2.5 to 2.5	Pass		
	1880	20	3.27	-5.107	-0.0027	-2.5 to 2.5	Pass		
			3.85	-8.497	-0.0045	-2.5 to 2.5	Pass		
			4.43	-2.539	-0.0014	-2.5 to 2.5	Pass		
		-30	3.85	-6.680	-0.0036	-2.5 to 2.5	Pass		
		-20	3.85	-6.008	-0.0032	-2.5 to 2.5	Pass		
		-10	3.85	-2.010	-0.0011	-2.5 to 2.5	Pass		
		0	3.85	-4.878	-0.0026	-2.5 to 2.5	Pass		
		10	3.85	-4.070	-0.0022	-2.5 to 2.5	Pass		
		30	3.85	-7.052	-0.0038	-2.5 to 2.5	Pass		
		40	3.85	0.186	0.0001	-2.5 to 2.5	Pass		
		50	3.85	-2.439	-0.0013	-2.5 to 2.5	Pass		
		1907.6	20	3.27	-1.023	-0.0005	-2.5 to 2.5	Pass	
	3.85			-4.742	-0.0025	-2.5 to 2.5	Pass		
	4.43			-1.645	-0.0009	-2.5 to 2.5	Pass		
	-30		3.85	-1.459	-0.0008	-2.5 to 2.5	Pass		
	-20		3.85	-3.505	-0.0018	-2.5 to 2.5	Pass		
	-10		3.85	-2.625	-0.0014	-2.5 to 2.5	Pass		
	0		3.85	-7.174	-0.0038	-2.5 to 2.5	Pass		
	10		3.85	0.765	0.0004	-2.5 to 2.5	Pass		
	30		3.85	2.167	0.0011	-2.5 to 2.5	Pass		
	40		3.85	0.951	0.0005	-2.5 to 2.5	Pass		
	50		3.85	1.473	0.0008	-2.5 to 2.5	Pass		
	HSDPA		1852.4	20	3.27	-3.583	-0.0019	-2.5 to 2.5	Pass
					3.85	2.024	0.0011	-2.5 to 2.5	Pass
		4.43			2.389	0.0013	-2.5 to 2.5	Pass	
		-30		3.85	1.717	0.0009	-2.5 to 2.5	Pass	
		-20		3.85	3.762	0.0020	-2.5 to 2.5	Pass	
-10		3.85		0.315	0.0002	-2.5 to 2.5	Pass		
0		3.85		-5.236	-0.0028	-2.5 to 2.5	Pass		
10		3.85		-4.106	-0.0022	-2.5 to 2.5	Pass		
30		3.85		-4.356	-0.0024	-2.5 to 2.5	Pass		
40		3.85		-1.781	-0.0010	-2.5 to 2.5	Pass		
50		3.85		-2.604	-0.0014	-2.5 to 2.5	Pass		
1880		20	3.27	-3.140	-0.0017	-2.5 to 2.5	Pass		
			3.85	-3.219	-0.0017	-2.5 to 2.5	Pass		
			4.43	-1.073	-0.0006	-2.5 to 2.5	Pass		
		-30	3.85	-2.403	-0.0013	-2.5 to 2.5	Pass		
		-20	3.85	-2.410	-0.0013	-2.5 to 2.5	Pass		
		-10	3.85	-1.209	-0.0006	-2.5 to 2.5	Pass		
		0	3.85	0.737	0.0004	-2.5 to 2.5	Pass		
		10	3.85	0.057	0.0000	-2.5 to 2.5	Pass		
		30	3.85	-1.824	-0.0010	-2.5 to 2.5	Pass		
		40	3.85	-3.548	-0.0019	-2.5 to 2.5	Pass		
50		3.85	-0.143	-0.0001	-2.5 to 2.5	Pass			
1907.6		20	3.27	-3.805	-0.0020	-2.5 to 2.5	Pass		
			3.85	-3.955	-0.0021	-2.5 to 2.5	Pass		
			4.43	-0.722	-0.0004	-2.5 to 2.5	Pass		
		-30	3.85	-1.194	-0.0006	-2.5 to 2.5	Pass		
		-20	3.85	0.179	0.0001	-2.5 to 2.5	Pass		
		-10	3.85	-0.107	-0.0001	-2.5 to 2.5	Pass		
		0	3.85	-4.900	-0.0026	-2.5 to 2.5	Pass		
		10	3.85	-3.970	-0.0021	-2.5 to 2.5	Pass		
30		3.85	-0.415	-0.0002	-2.5 to 2.5	Pass			

HSUPA	1852.4	40	3.85	0.315	0.0002	-2.5 to 2.5	Pass
		50	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
		20	3.27	-4.857	-0.0026	-2.5 to 2.5	Pass
			3.85	-0.851	-0.0005	-2.5 to 2.5	Pass
			4.43	-2.990	-0.0016	-2.5 to 2.5	Pass
		-30	3.85	-3.991	-0.0022	-2.5 to 2.5	Pass
		-20	3.85	-2.761	-0.0015	-2.5 to 2.5	Pass
		-10	3.85	-3.555	-0.0019	-2.5 to 2.5	Pass
		0	3.85	-1.881	-0.0010	-2.5 to 2.5	Pass
		10	3.85	-2.940	-0.0016	-2.5 to 2.5	Pass
		30	3.85	-4.177	-0.0023	-2.5 to 2.5	Pass
		40	3.85	-3.119	-0.0017	-2.5 to 2.5	Pass
		50	3.85	-0.937	-0.0005	-2.5 to 2.5	Pass
	1880	20	3.27	-0.744	-0.0004	-2.5 to 2.5	Pass
			3.85	0.551	0.0003	-2.5 to 2.5	Pass
			4.43	0.458	0.0002	-2.5 to 2.5	Pass
		-30	3.85	-1.130	-0.0006	-2.5 to 2.5	Pass
		-20	3.85	-5.951	-0.0032	-2.5 to 2.5	Pass
		-10	3.85	0.343	0.0002	-2.5 to 2.5	Pass
		0	3.85	1.781	0.0009	-2.5 to 2.5	Pass
		10	3.85	-4.263	-0.0023	-2.5 to 2.5	Pass
		30	3.85	0.443	0.0002	-2.5 to 2.5	Pass
		40	3.85	-3.505	-0.0019	-2.5 to 2.5	Pass
		50	3.85	-3.748	-0.0020	-2.5 to 2.5	Pass
	1907.6	20	3.27	-2.761	-0.0014	-2.5 to 2.5	Pass
			3.85	-0.894	-0.0005	-2.5 to 2.5	Pass
			4.43	-6.967	-0.0037	-2.5 to 2.5	Pass
		-30	3.85	-6.409	-0.0034	-2.5 to 2.5	Pass
		-20	3.85	-7.846	-0.0041	-2.5 to 2.5	Pass
		-10	3.85	-6.444	-0.0034	-2.5 to 2.5	Pass
		0	3.85	-10.600	-0.0056	-2.5 to 2.5	Pass
		10	3.85	-8.283	-0.0043	-2.5 to 2.5	Pass
		30	3.85	-7.017	-0.0037	-2.5 to 2.5	Pass
		40	3.85	-8.354	-0.0044	-2.5 to 2.5	Pass
		50	3.85	-7.331	-0.0038	-2.5 to 2.5	Pass

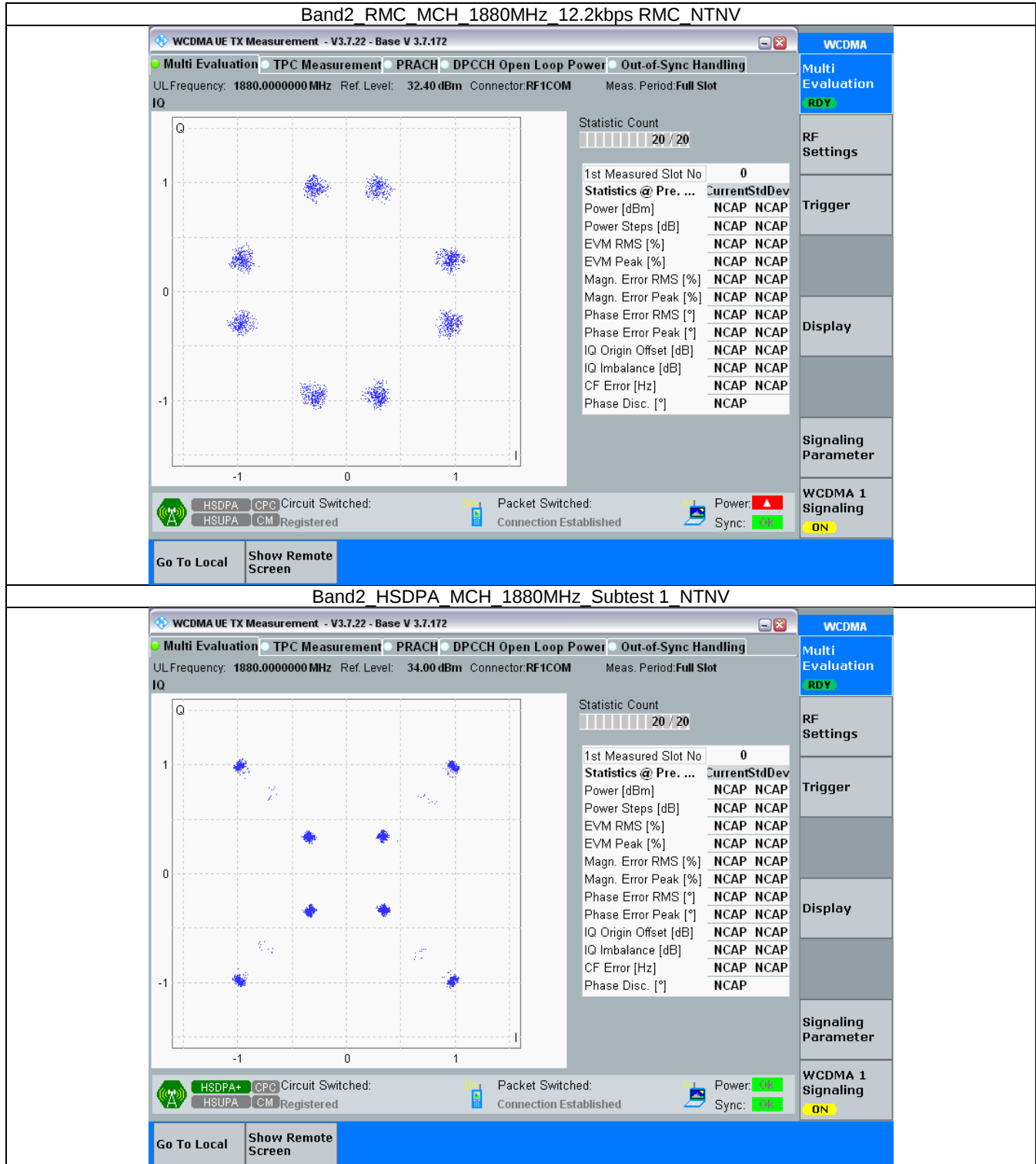
3. Modulation Characteristics

3.1 Band2

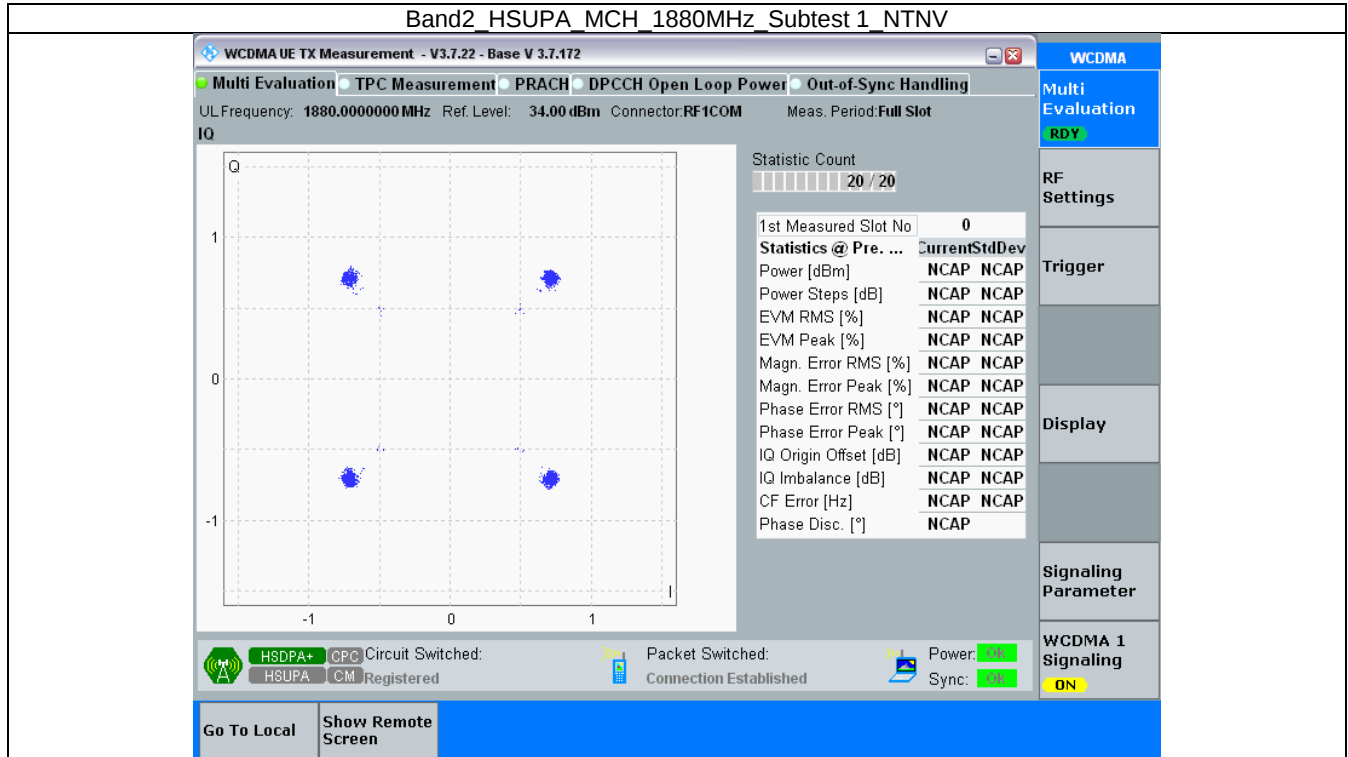
3.1.1 Test Result

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



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



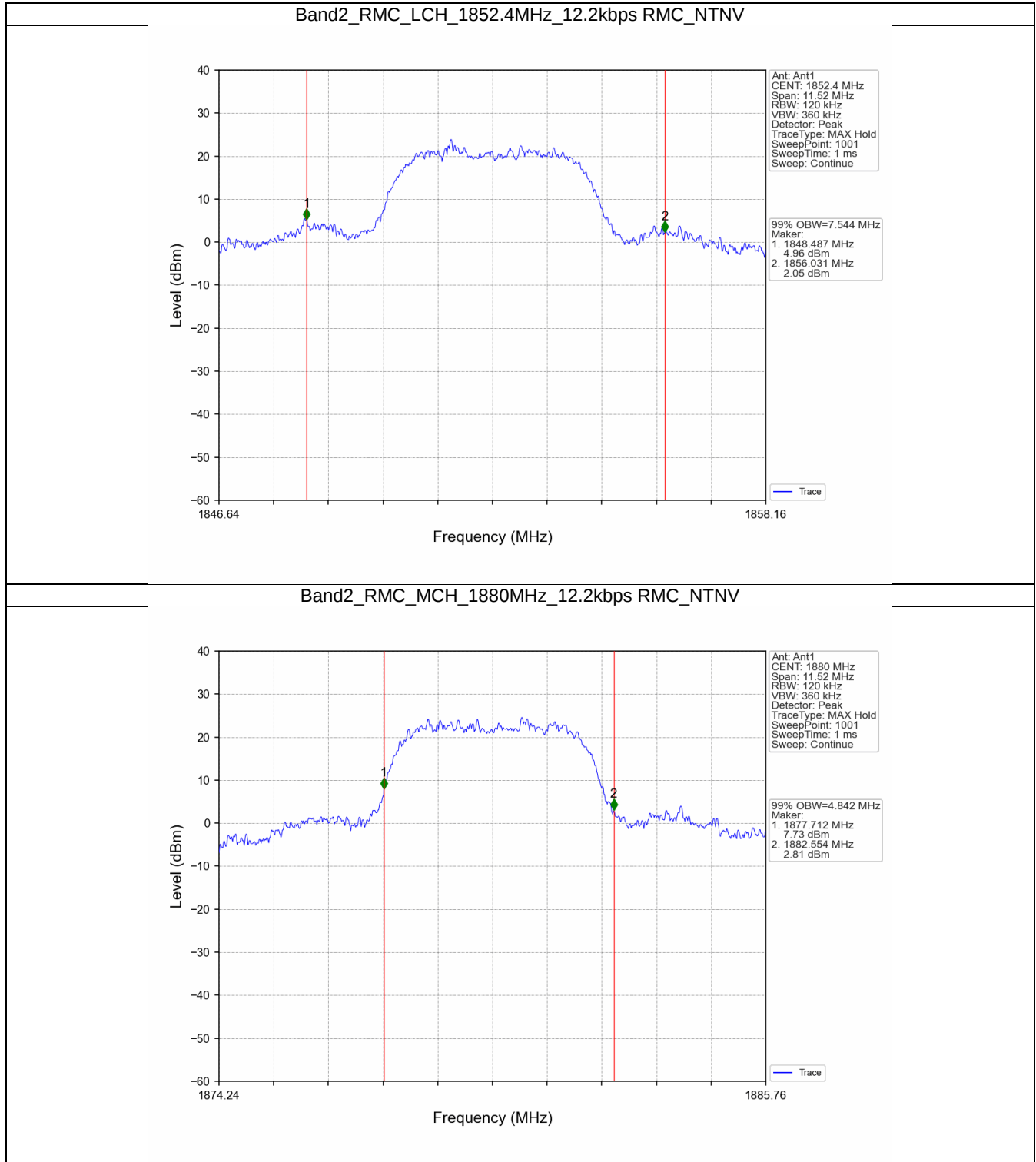
4. 99% & 26dB Bandwidth

4.1 Band2_OBW

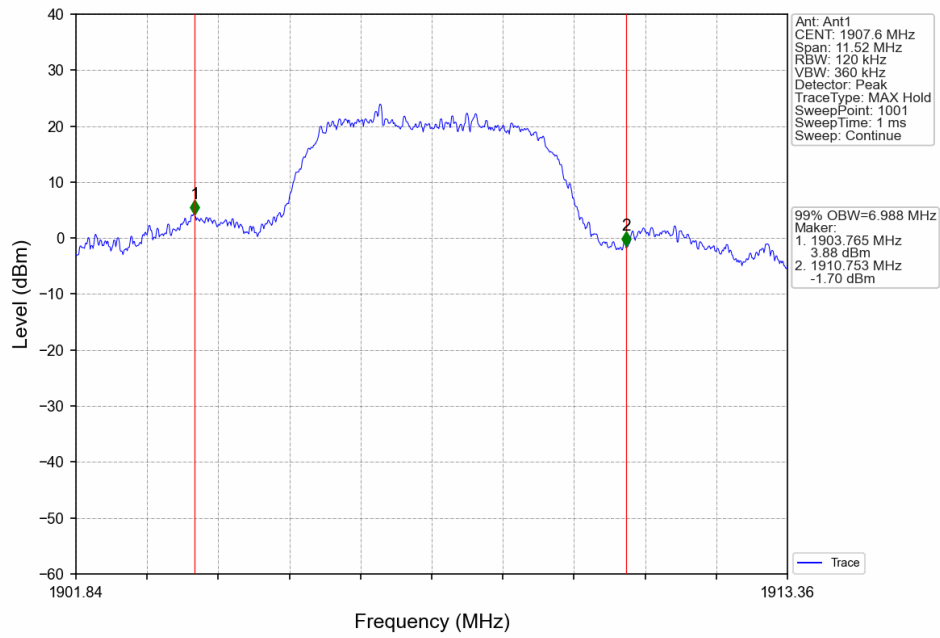
4.1.1 Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	7.544	/	Pass
			1880	4.842	/	Pass
			1907.6	6.988	/	Pass
	HSDPA	Subtest 1	1852.4	5.648	/	Pass
			1880	4.345	/	Pass
			1907.6	4.857	/	Pass
	HSUPA	Subtest 1	1852.4	5.621	/	Pass
			1880	4.411	/	Pass
			1907.6	4.749	/	Pass

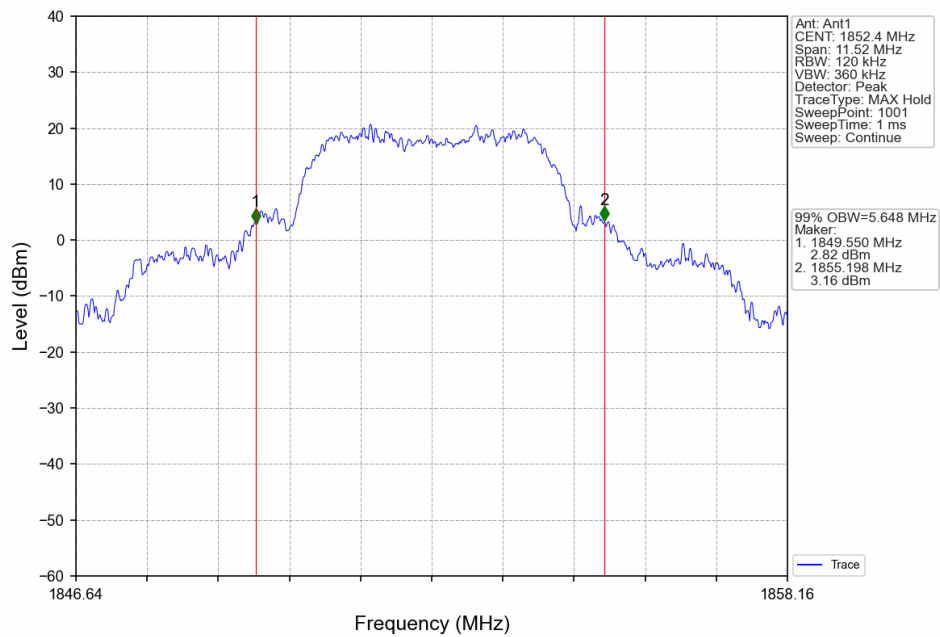
4.1.2 Test Graph



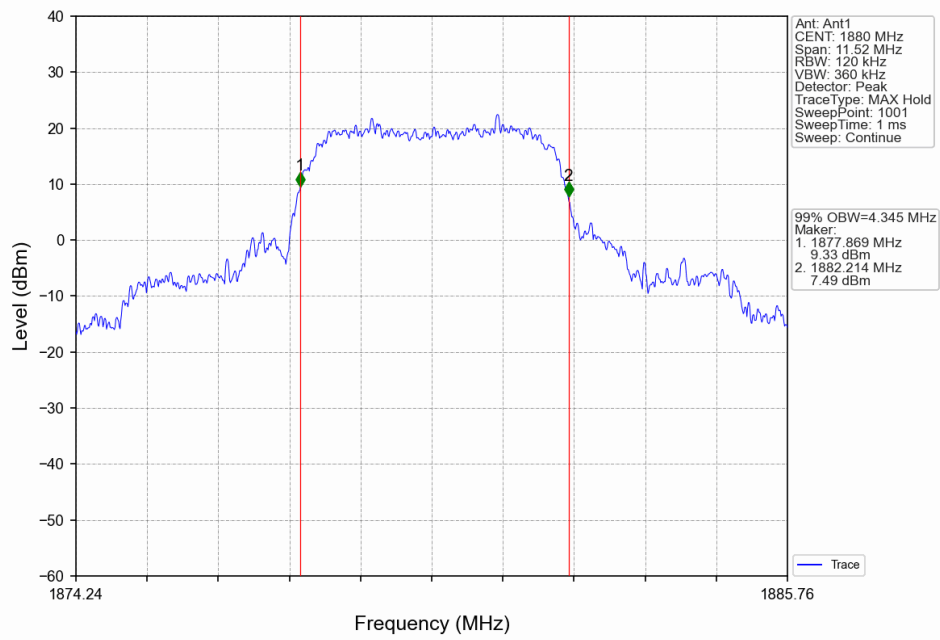
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



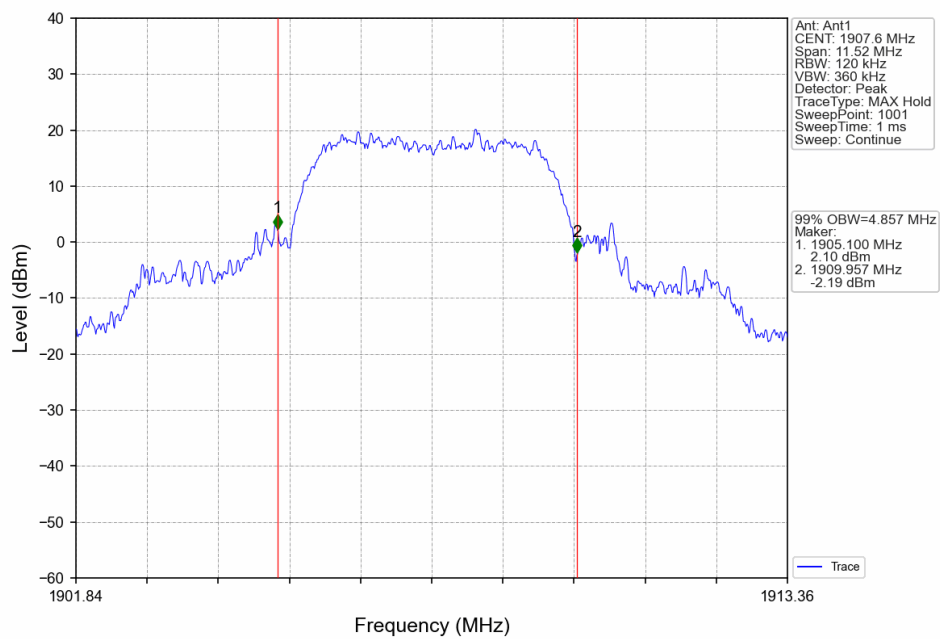
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



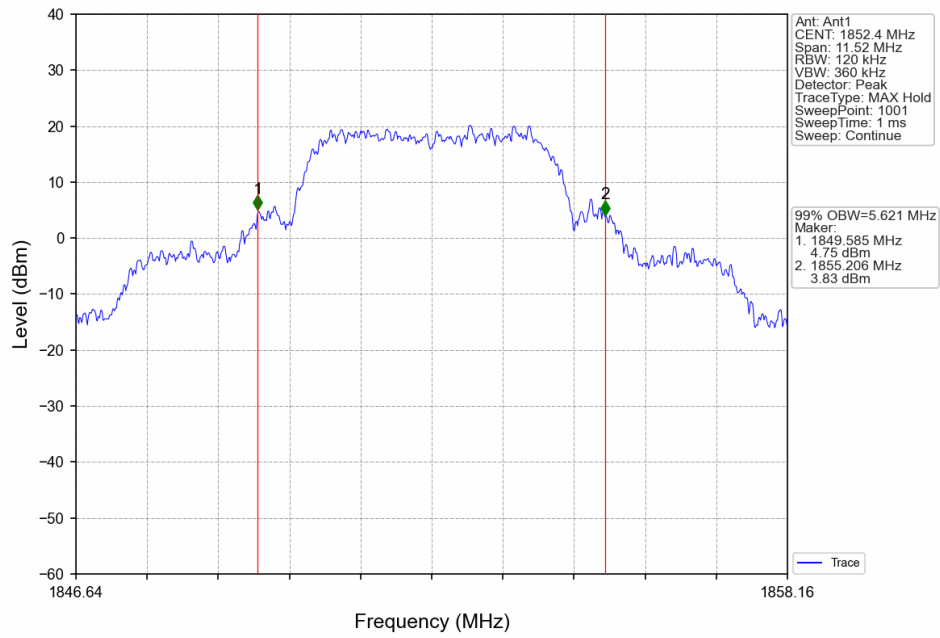
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



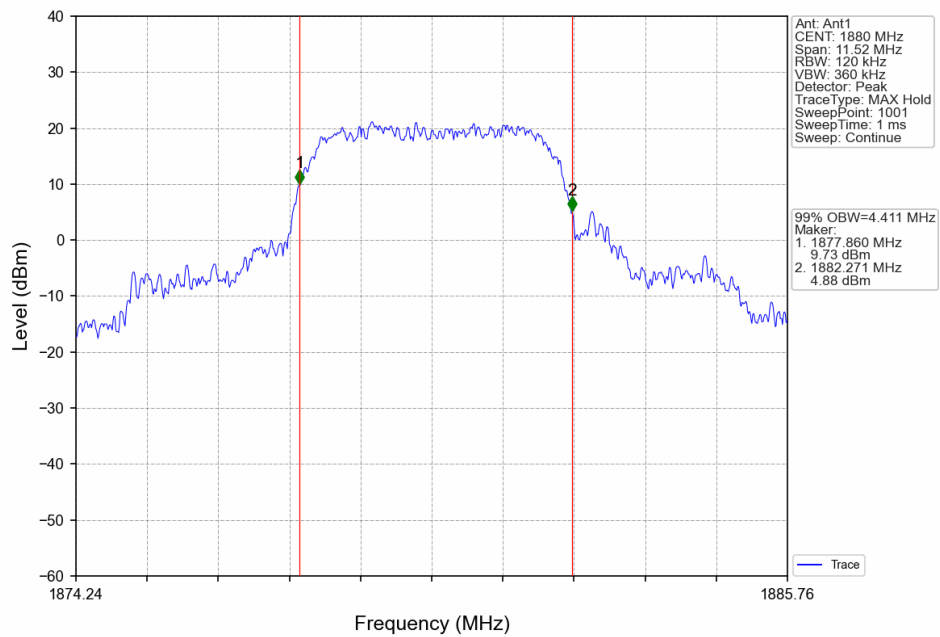
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



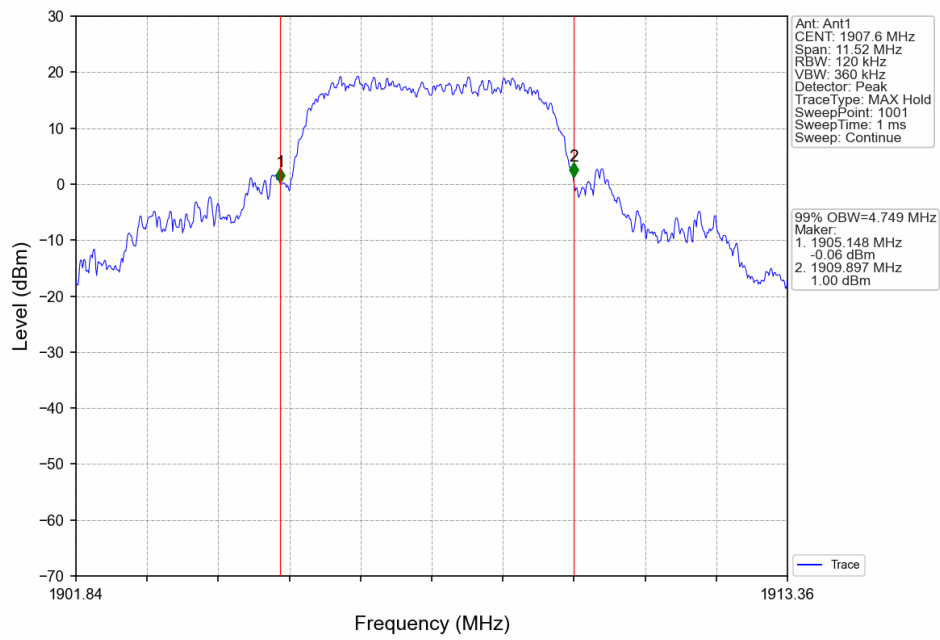
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

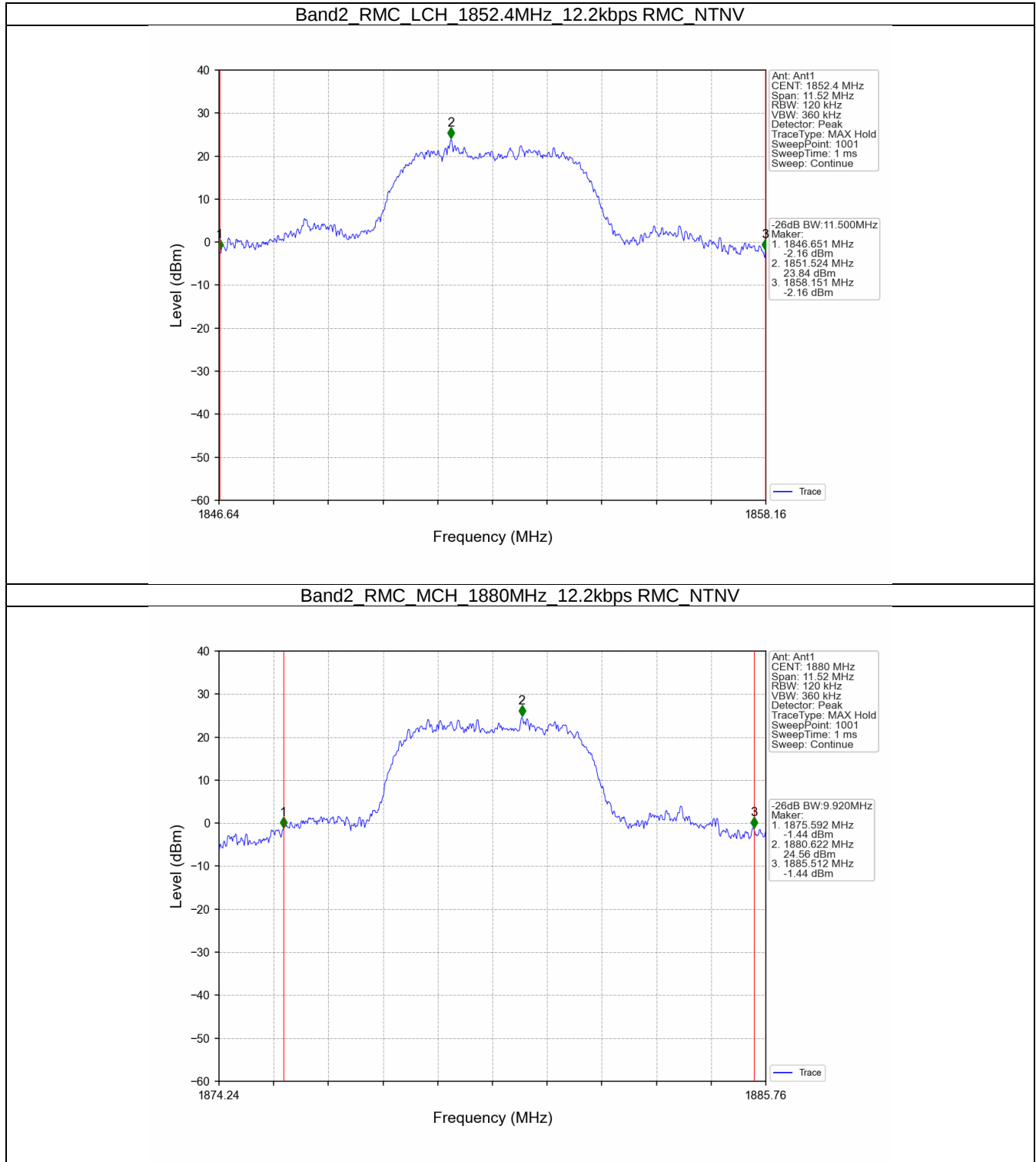


4.2 Band2_XDB

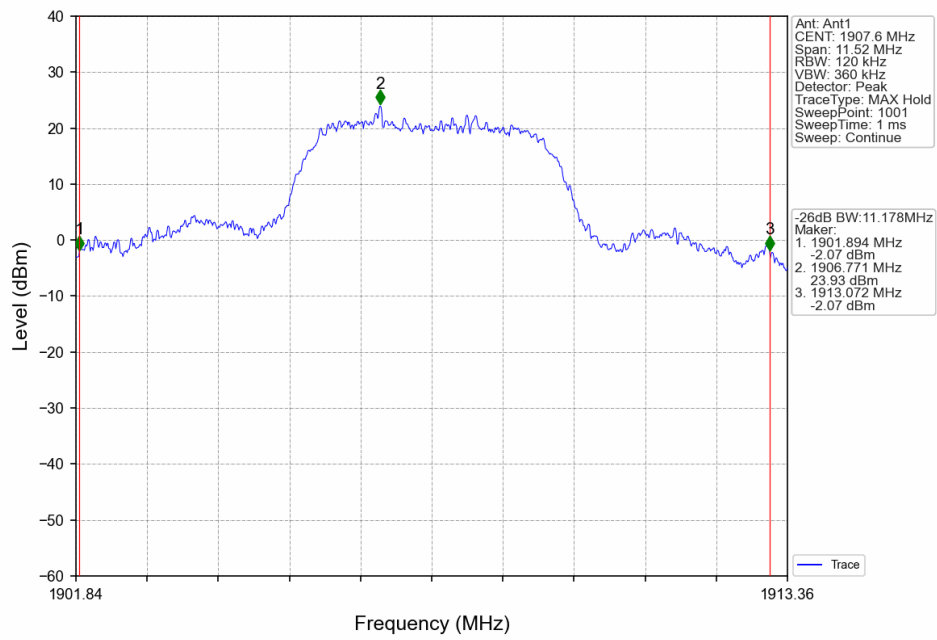
4.2.1 Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	11.500	/	Pass
			1880	9.920	/	Pass
			1907.6	11.178	/	Pass
	HSDPA	Subtest 1	1852.4	9.559	/	Pass
			1880	7.423	/	Pass
			1907.6	9.167	/	Pass
	HSUPA	Subtest 1	1852.4	9.757	/	Pass
			1880	8.441	/	Pass
			1907.6	9.342	/	Pass

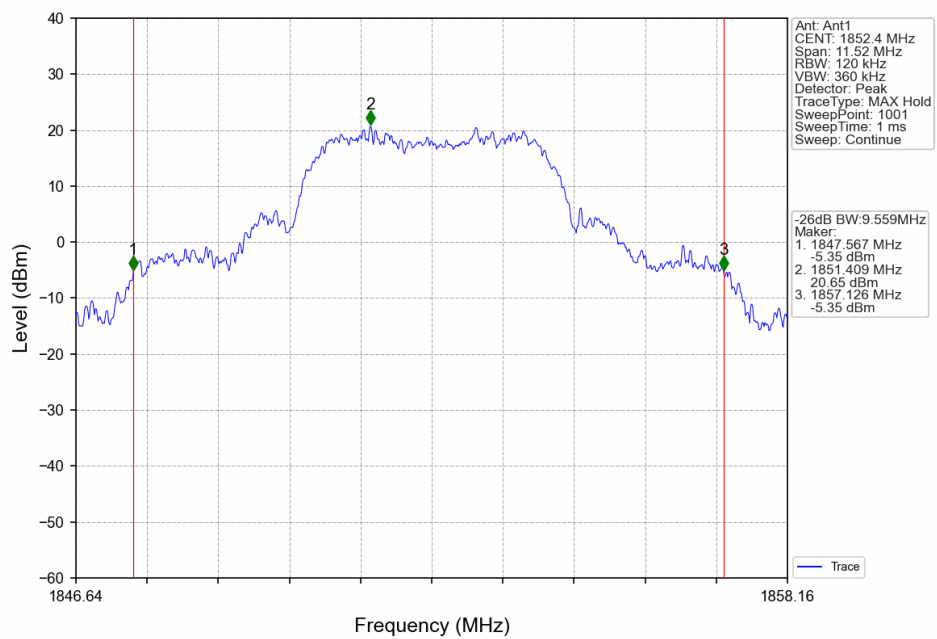
4.2.2 Test Graph



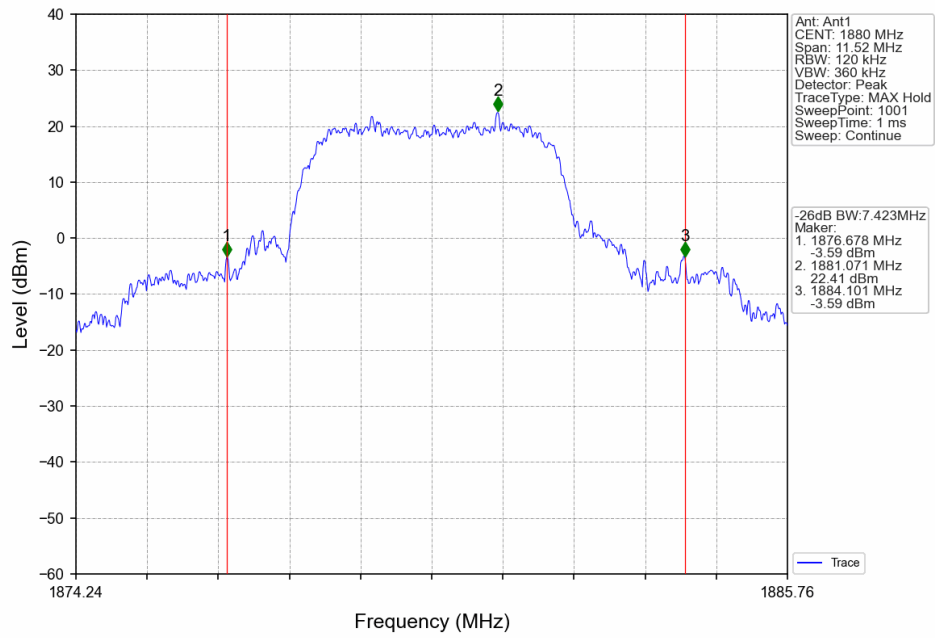
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



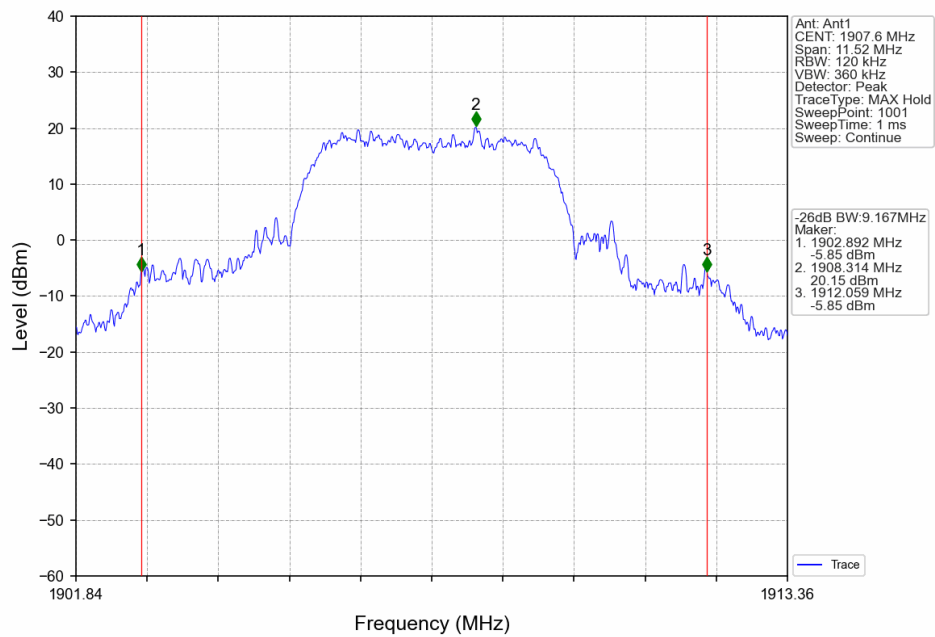
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



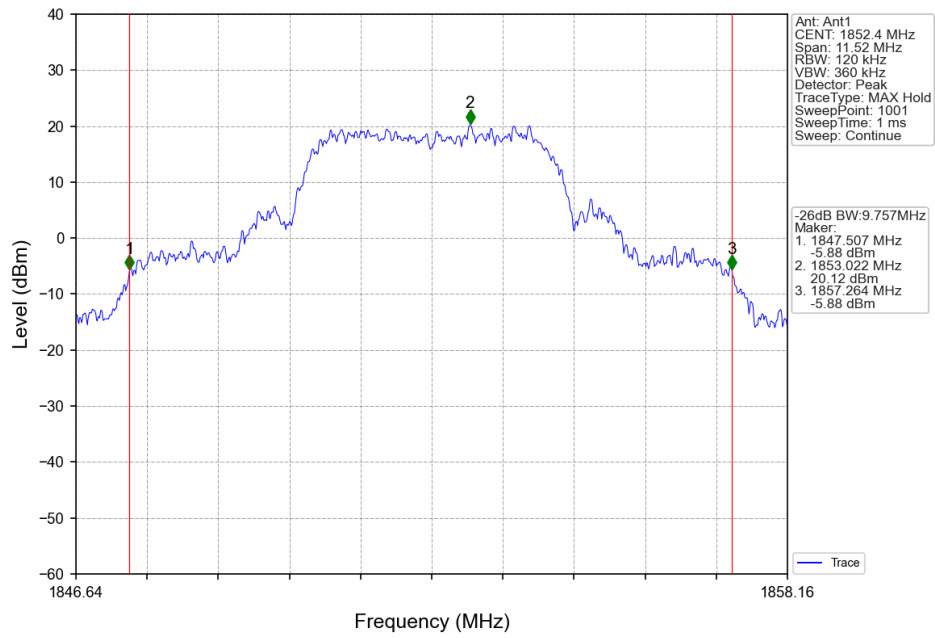
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



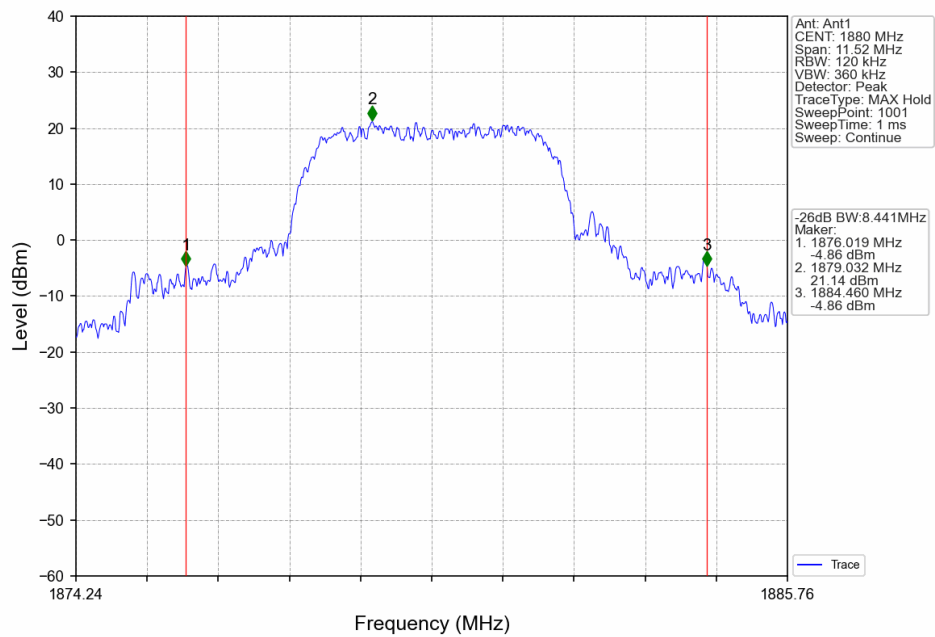
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



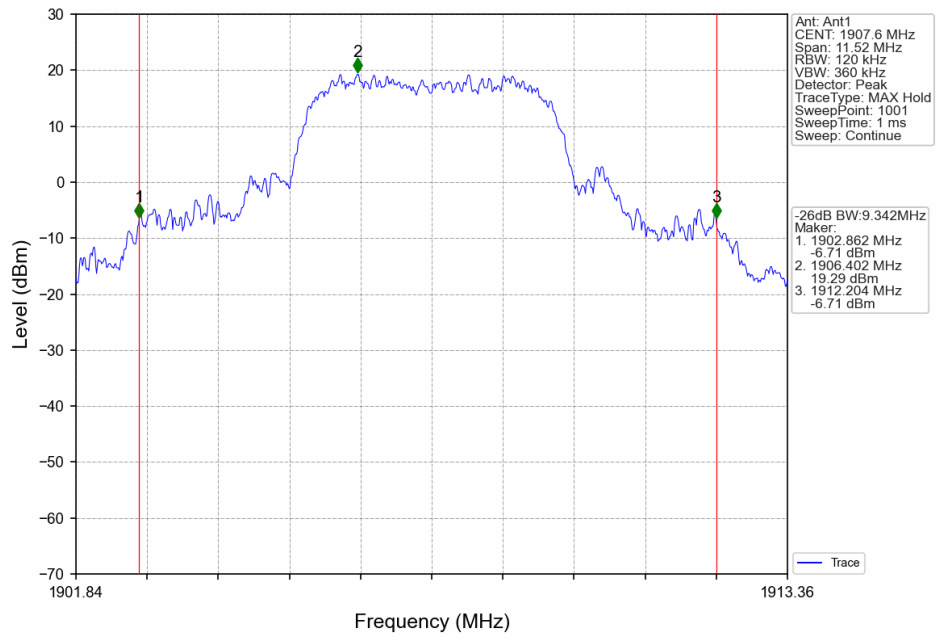
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



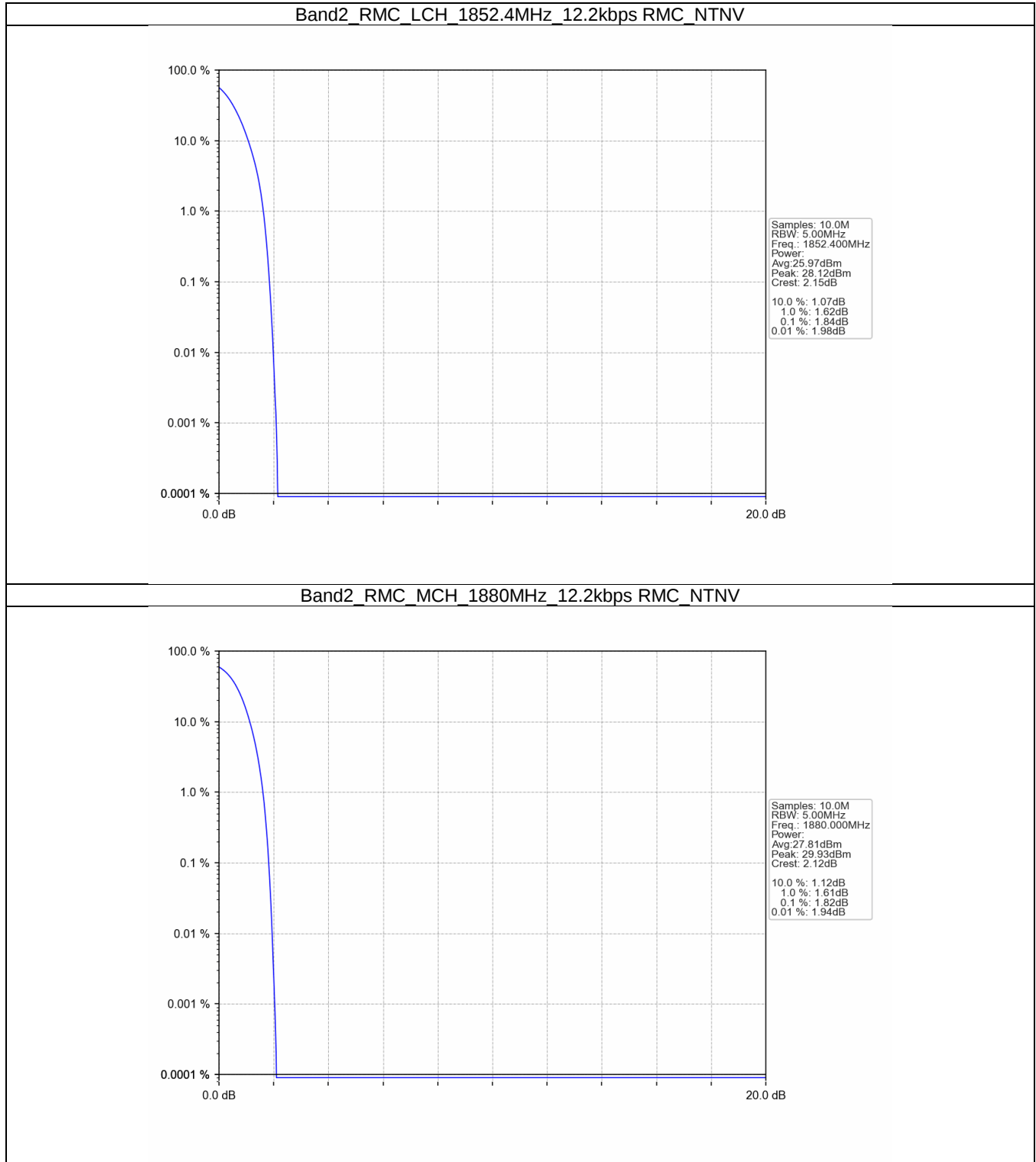
5. Peak-Average Ratio

5.1 Band2

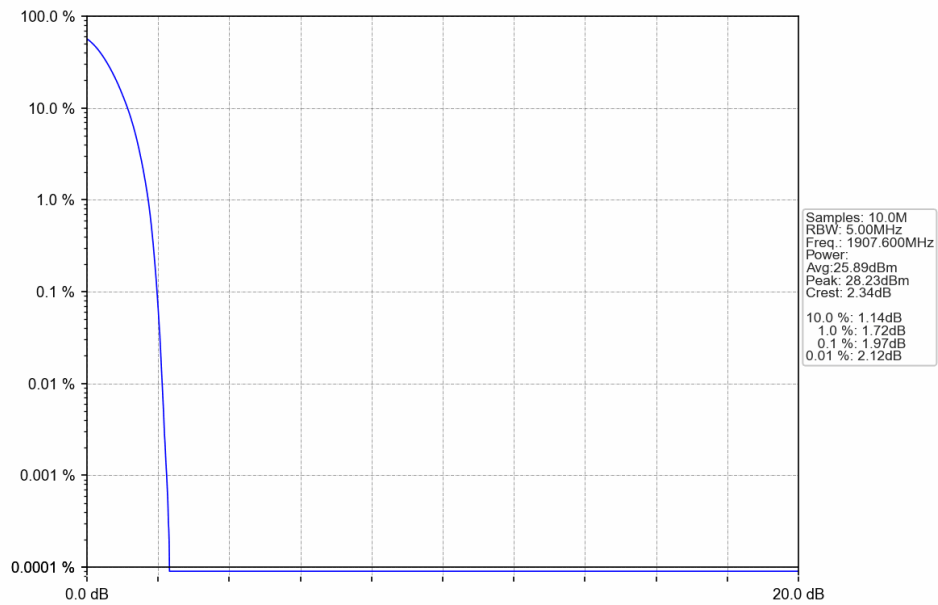
5.1.1 Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	1.84	<=13	Pass
			1880	1.82	<=13	Pass
			1907.6	1.97	<=13	Pass
	HSDPA	Subtest 1	1852.4	4.75	<=13	Pass
			1880	5.58	<=13	Pass
			1907.6	5.38	<=13	Pass
	HSUPA	Subtest 1	1852.4	4.72	<=13	Pass
			1880	5.42	<=13	Pass
			1907.6	5.35	<=13	Pass

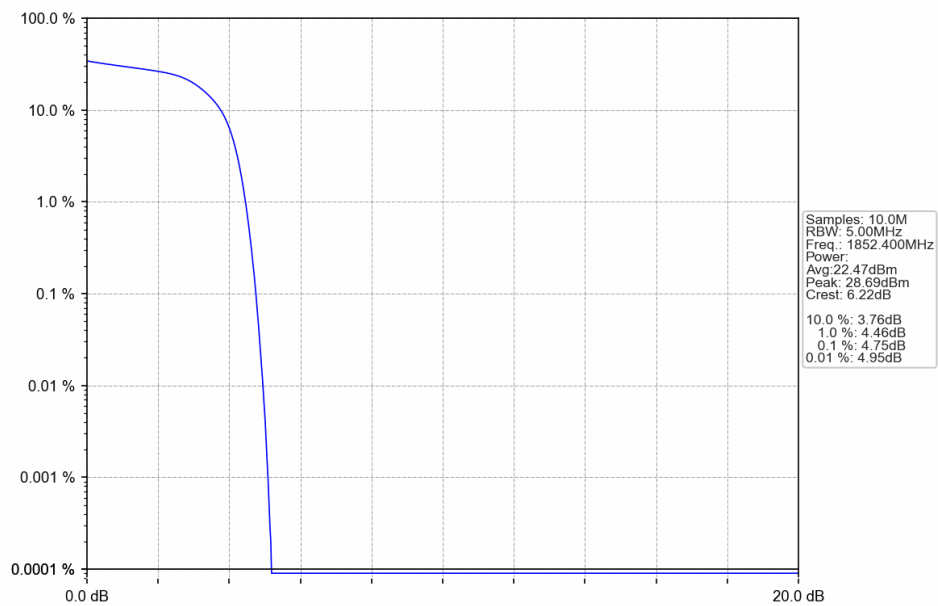
5.1.2 Test Graph



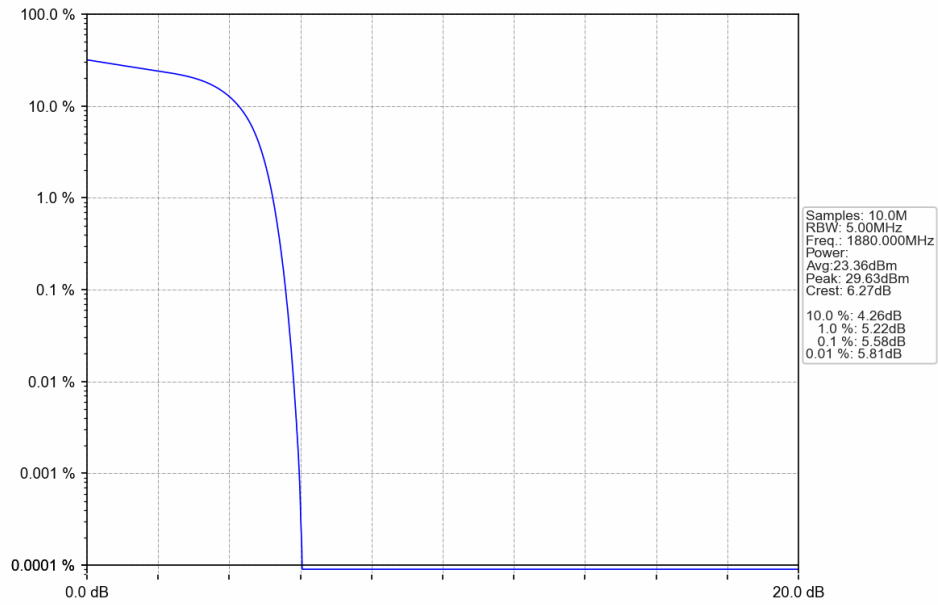
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



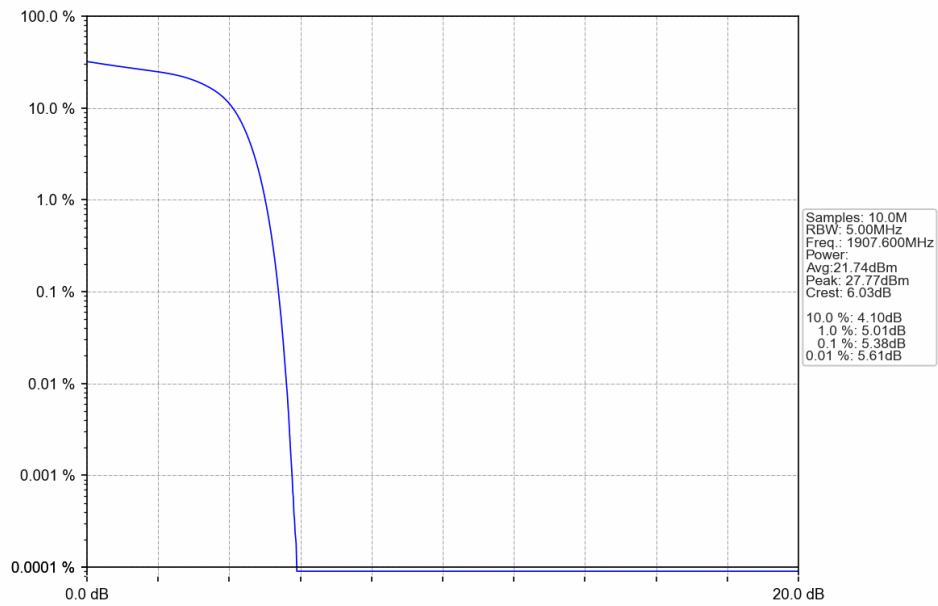
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



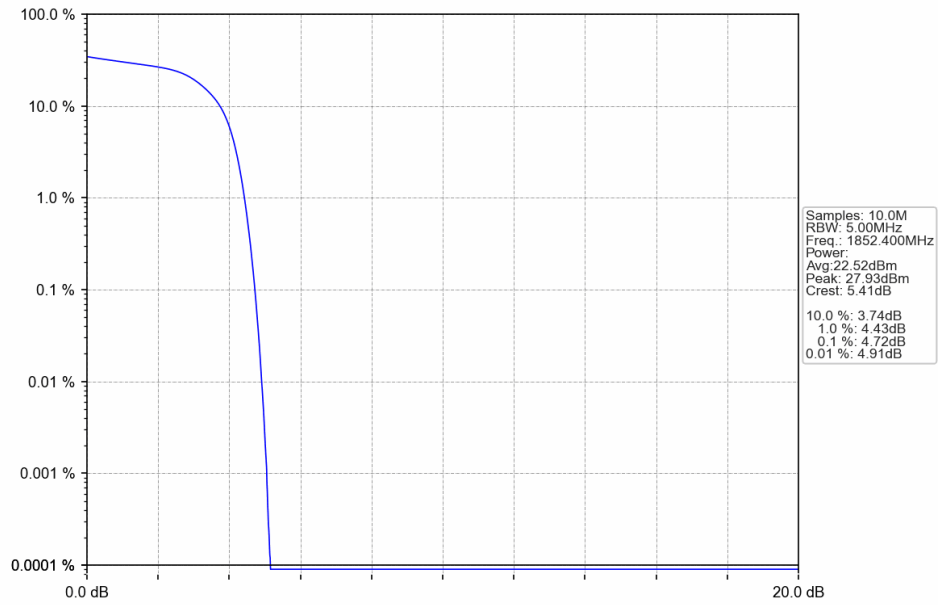
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



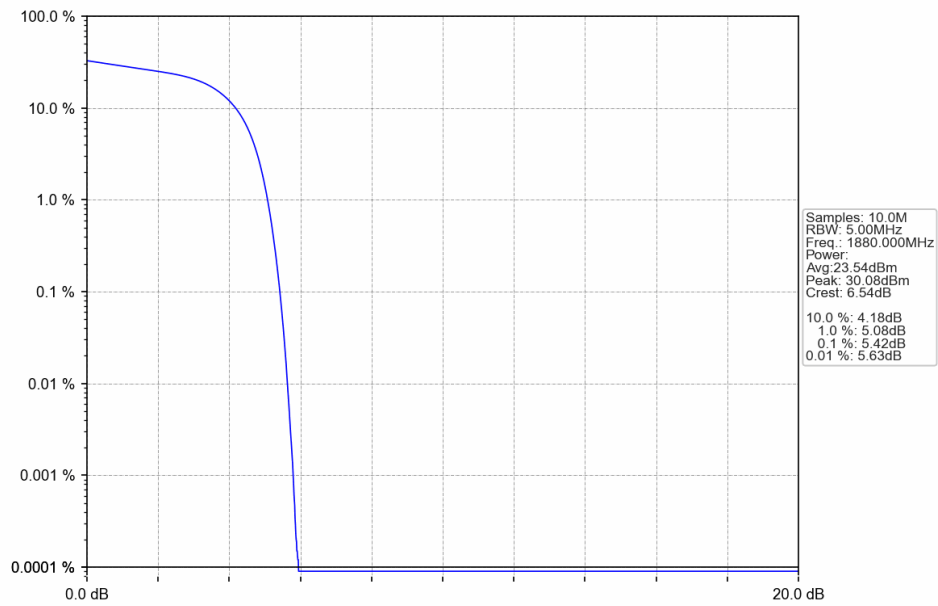
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



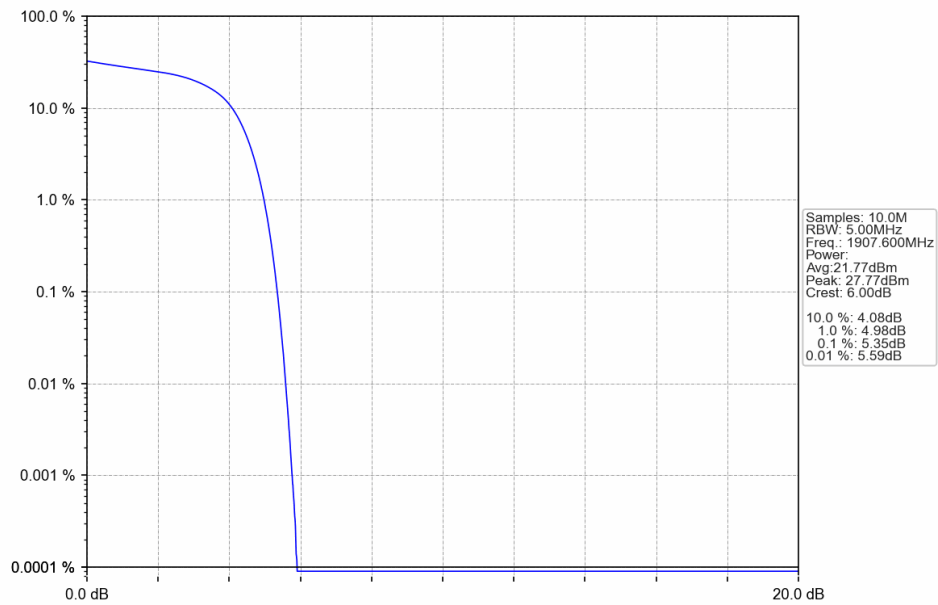
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



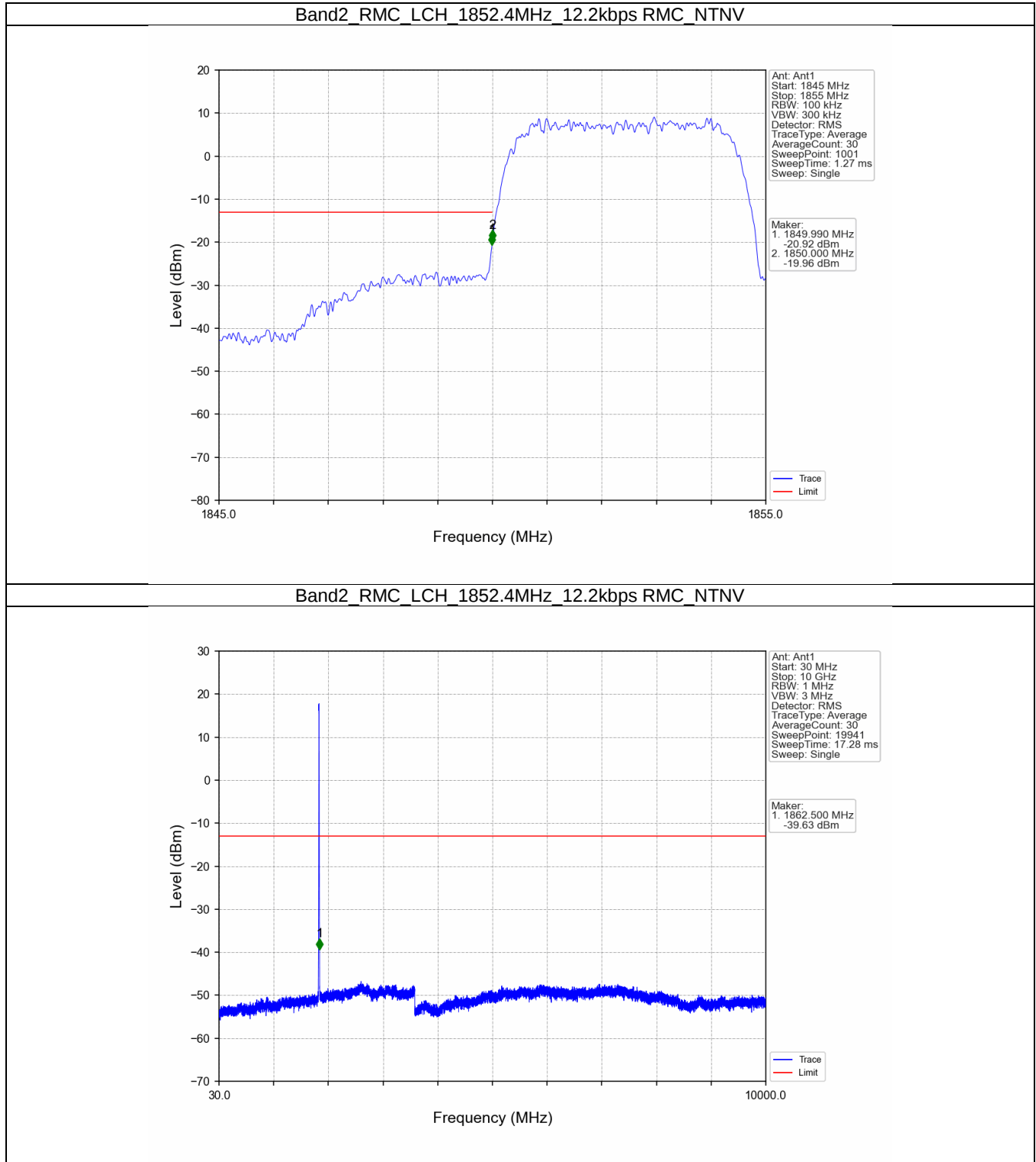
6. Spurious Emission

6.1 Band2

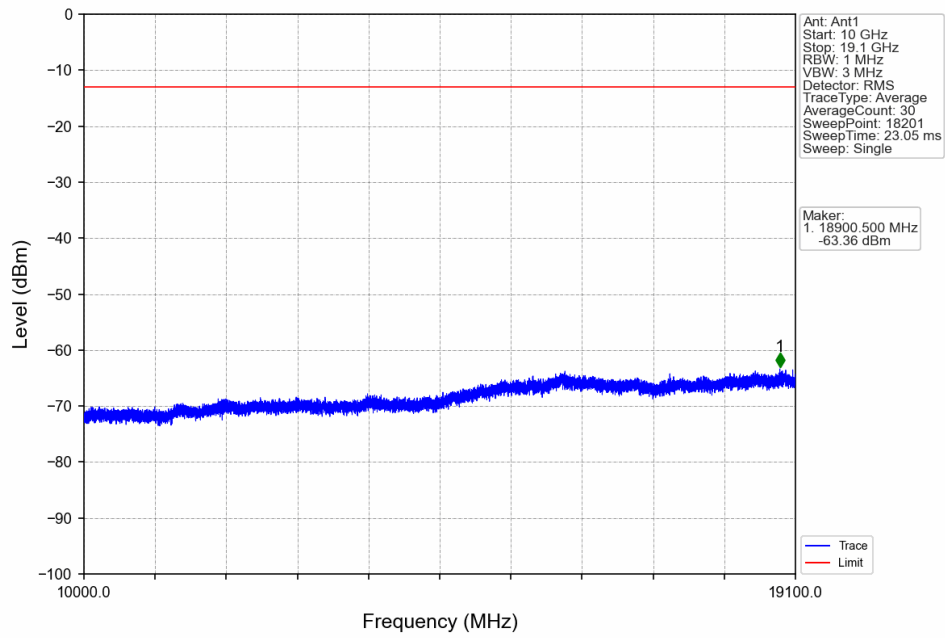
6.1.1 Test Result

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	

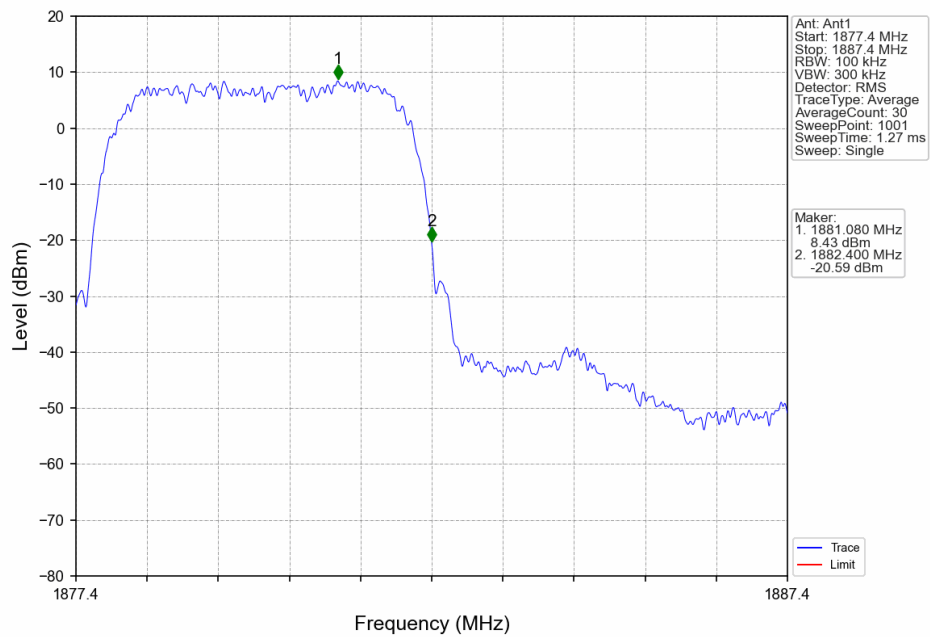
6.1.2 Test Graph



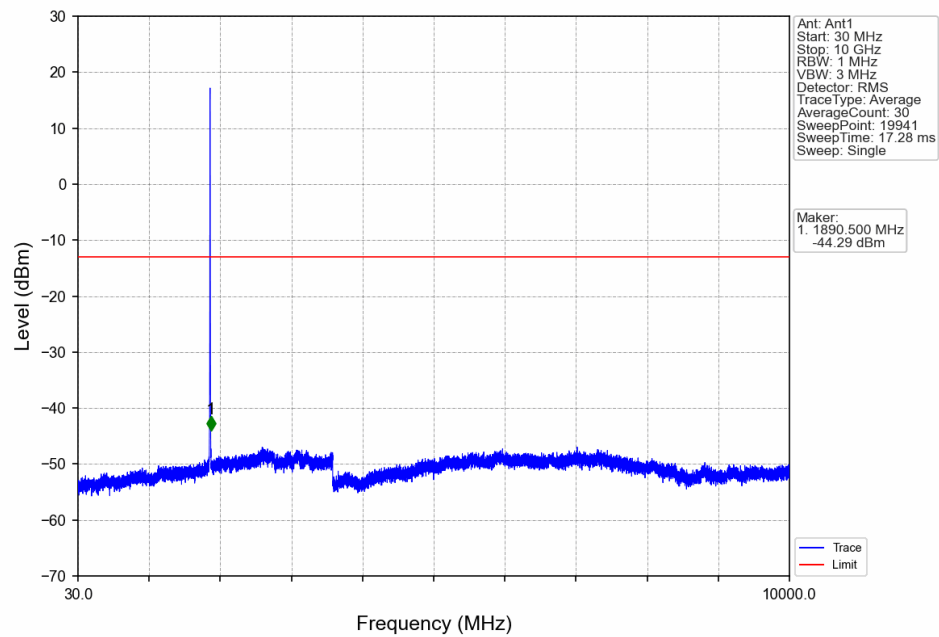
Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



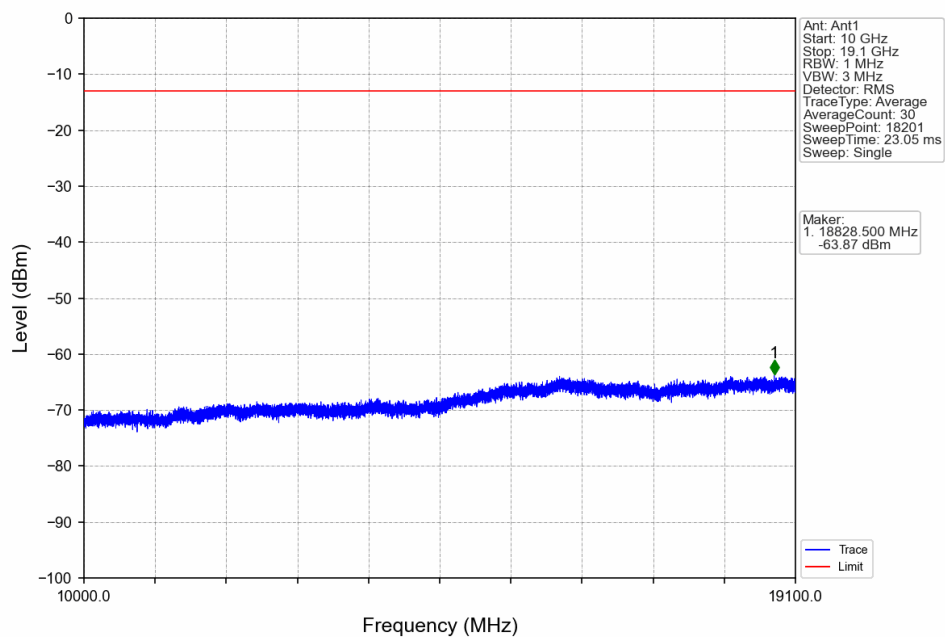
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



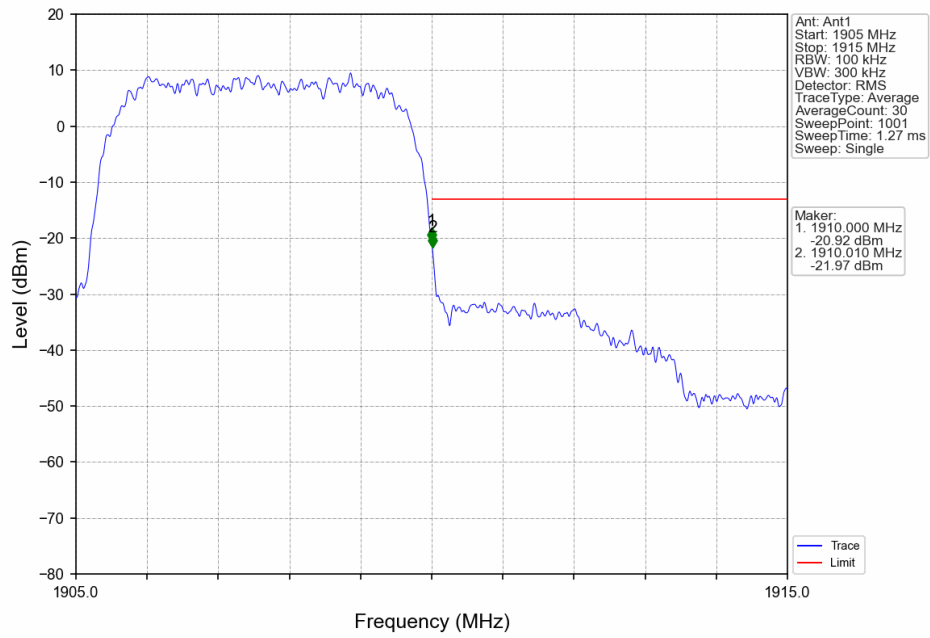
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



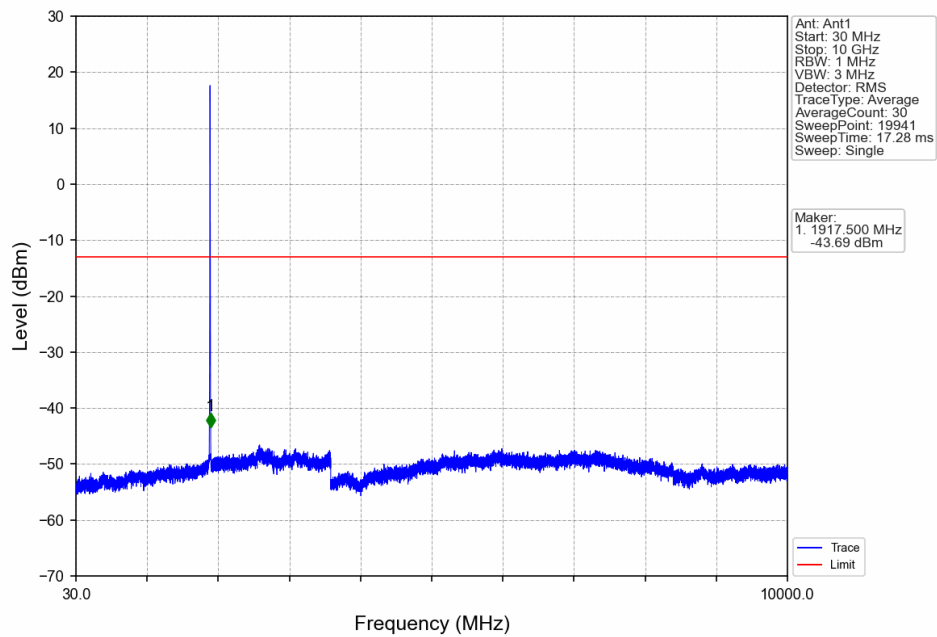
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



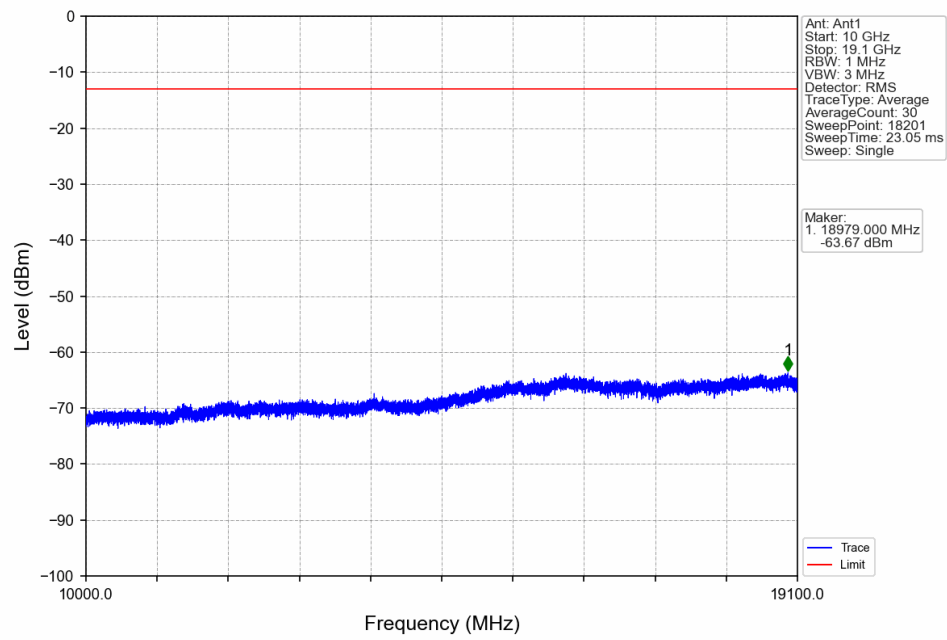
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



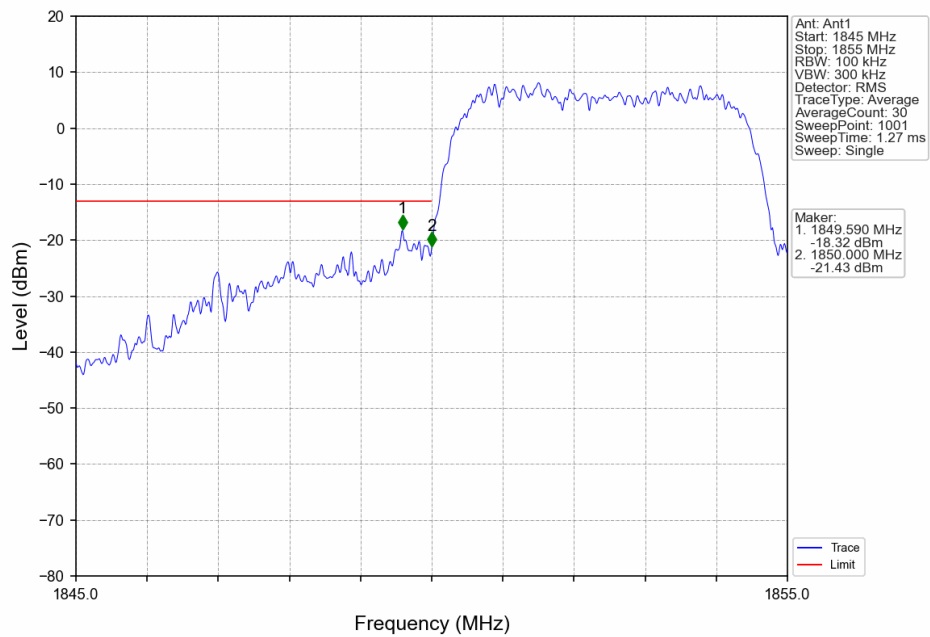
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



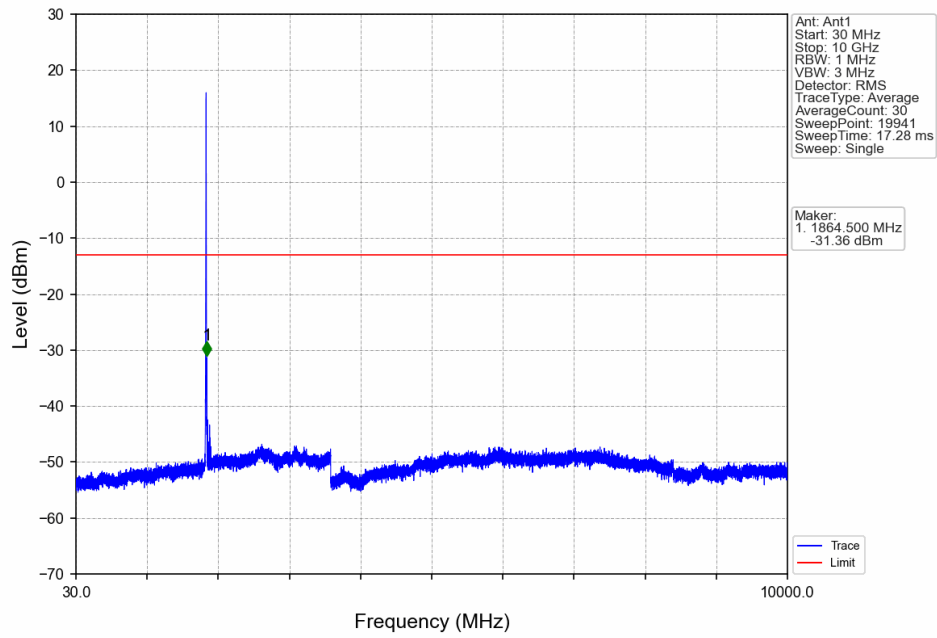
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



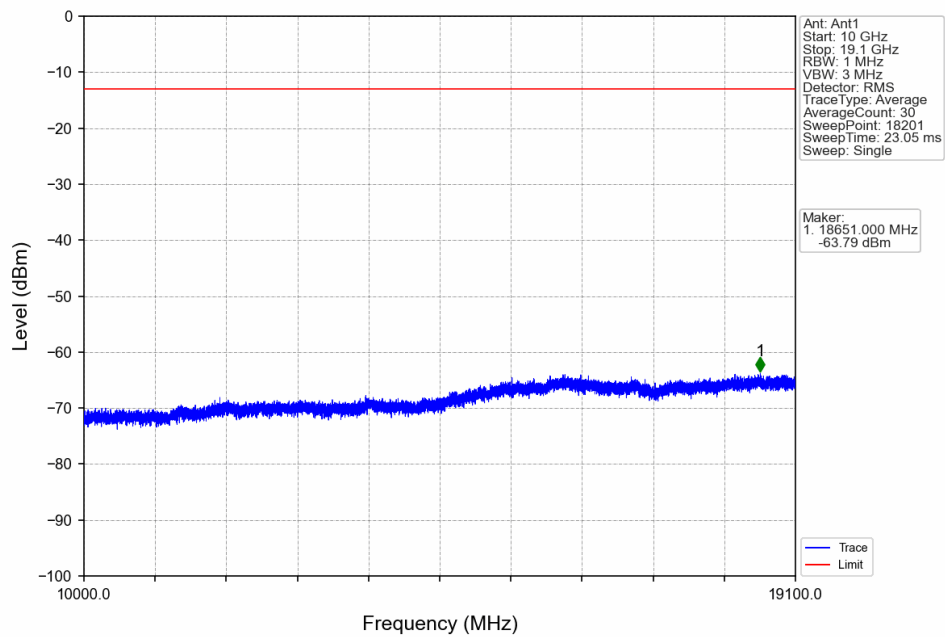
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



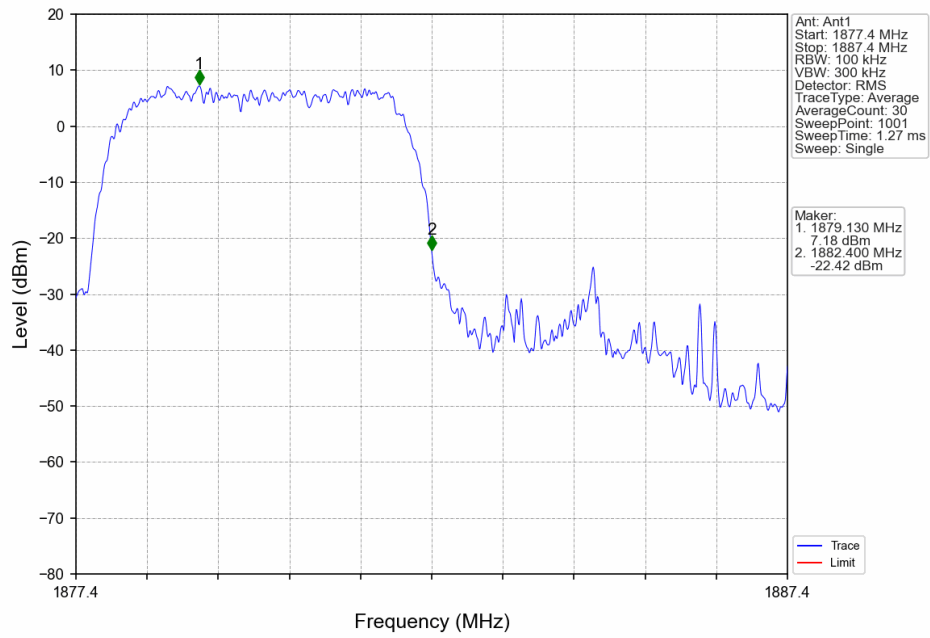
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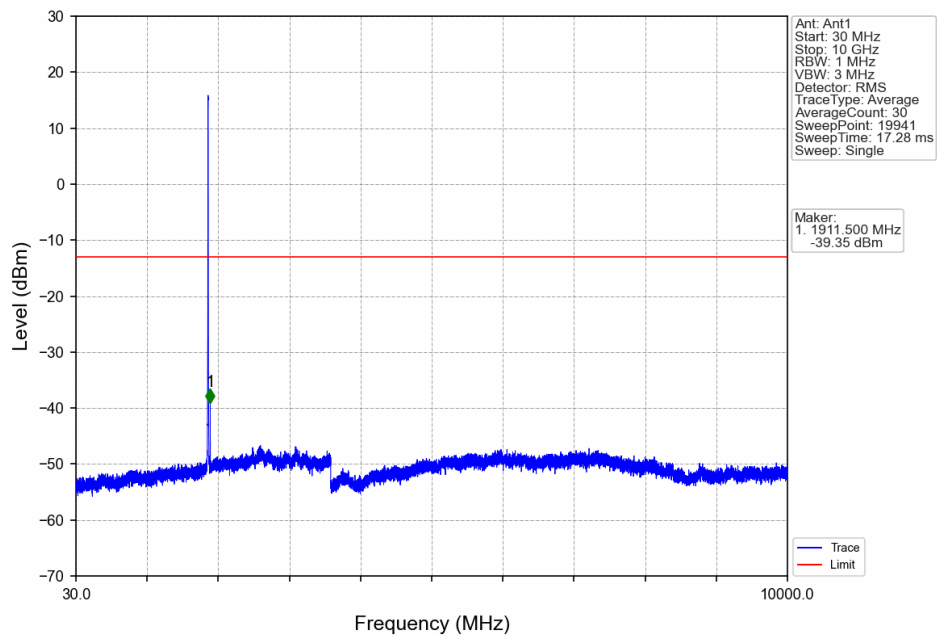
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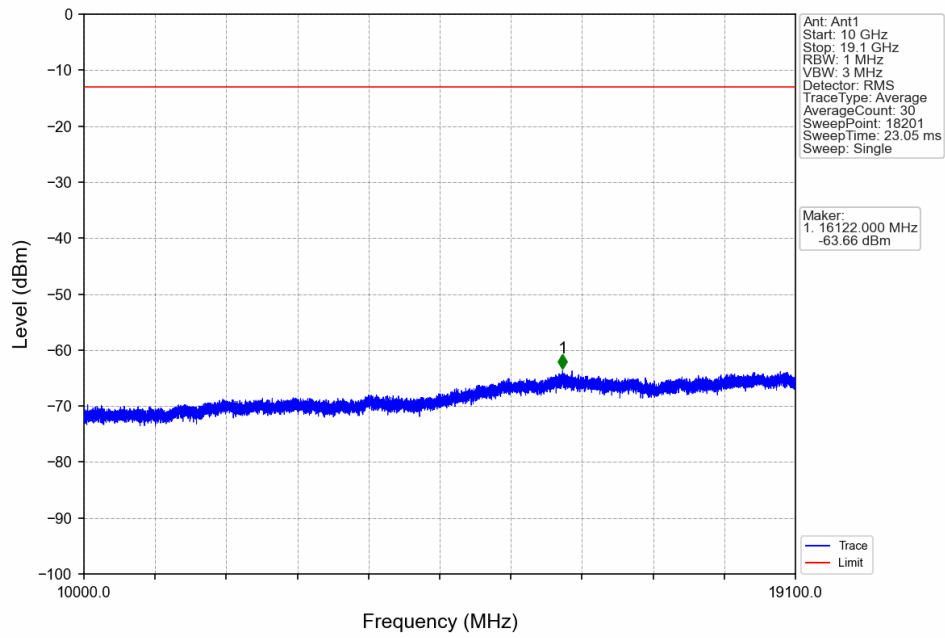
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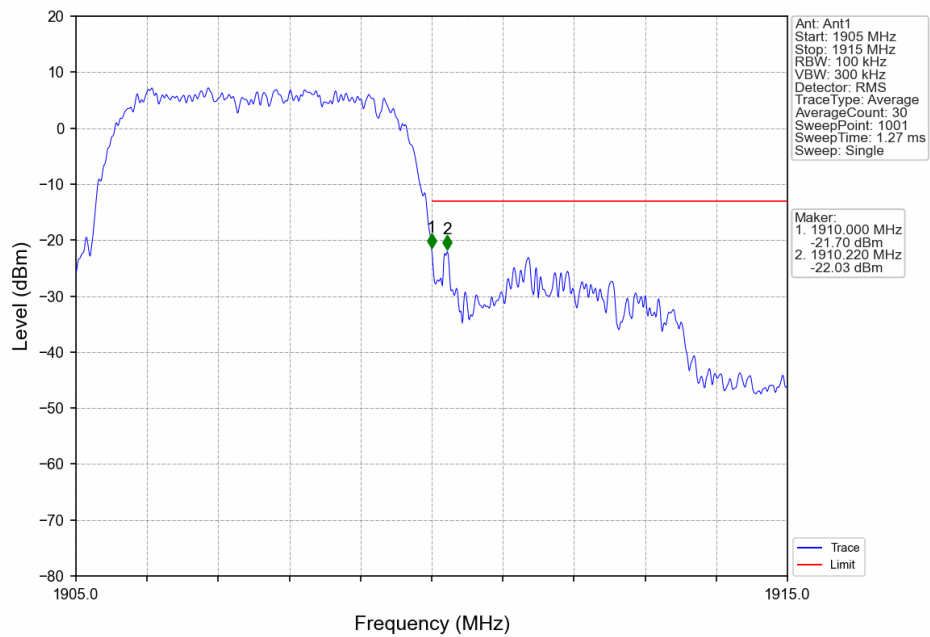
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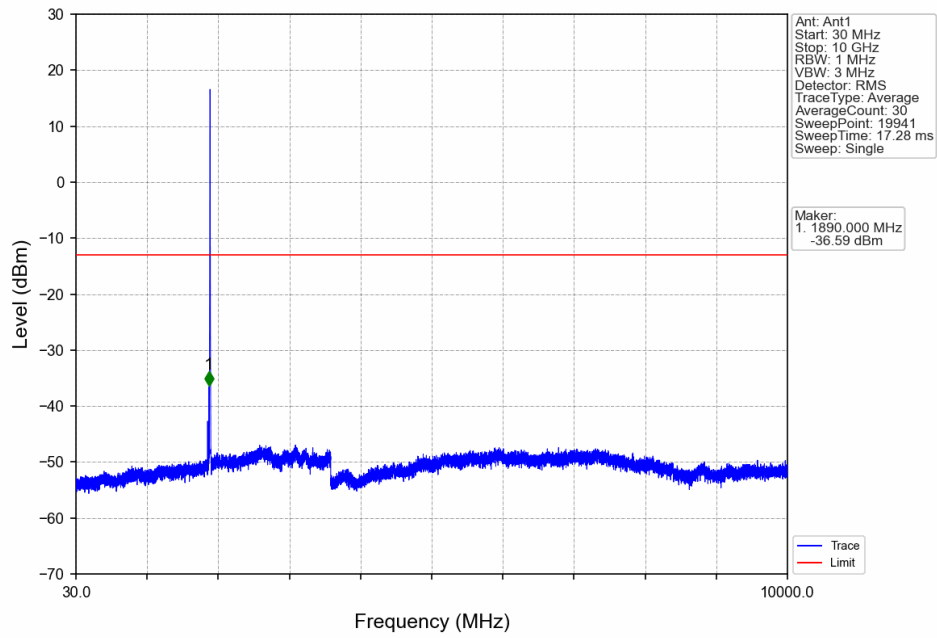
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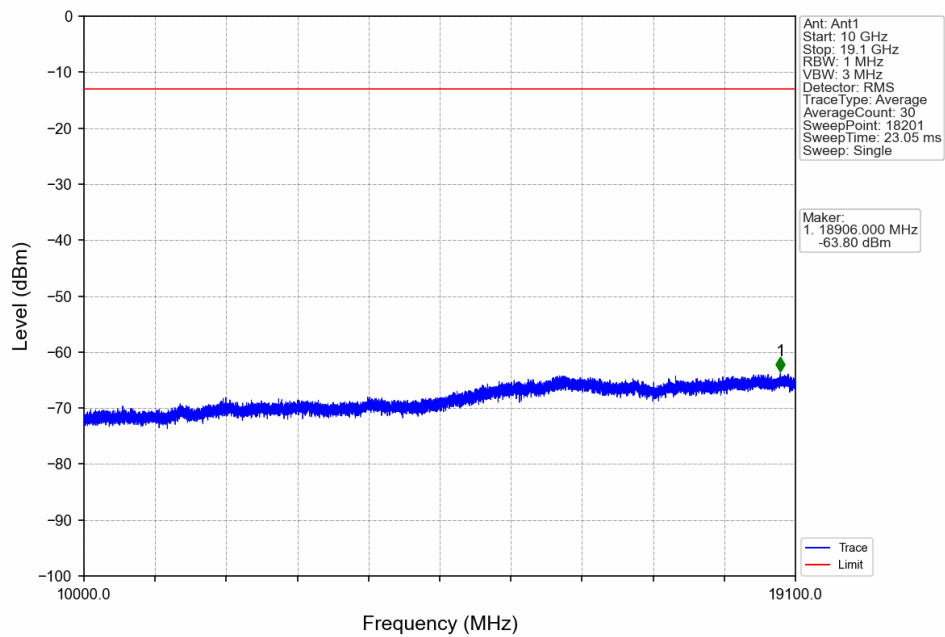
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



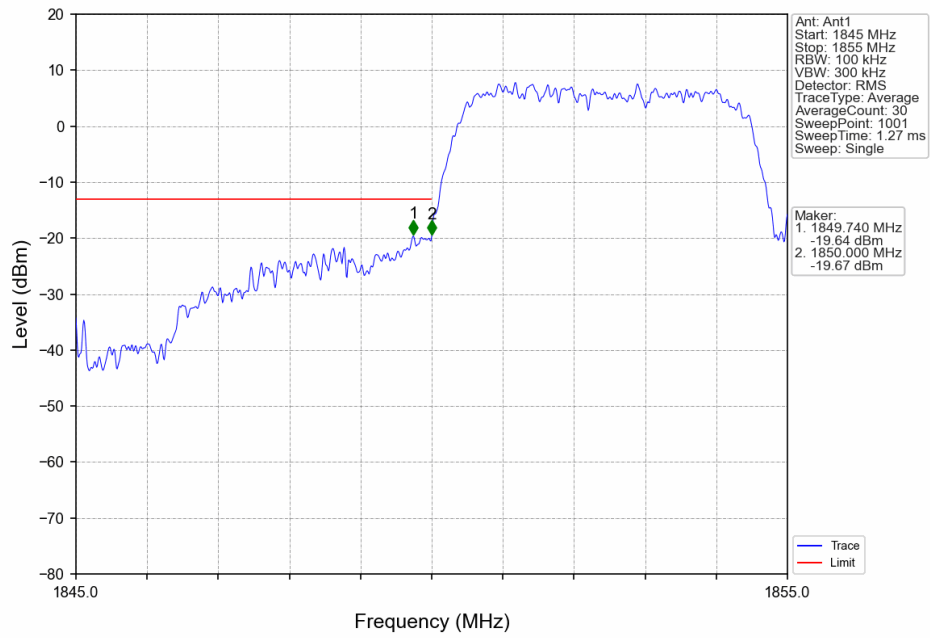
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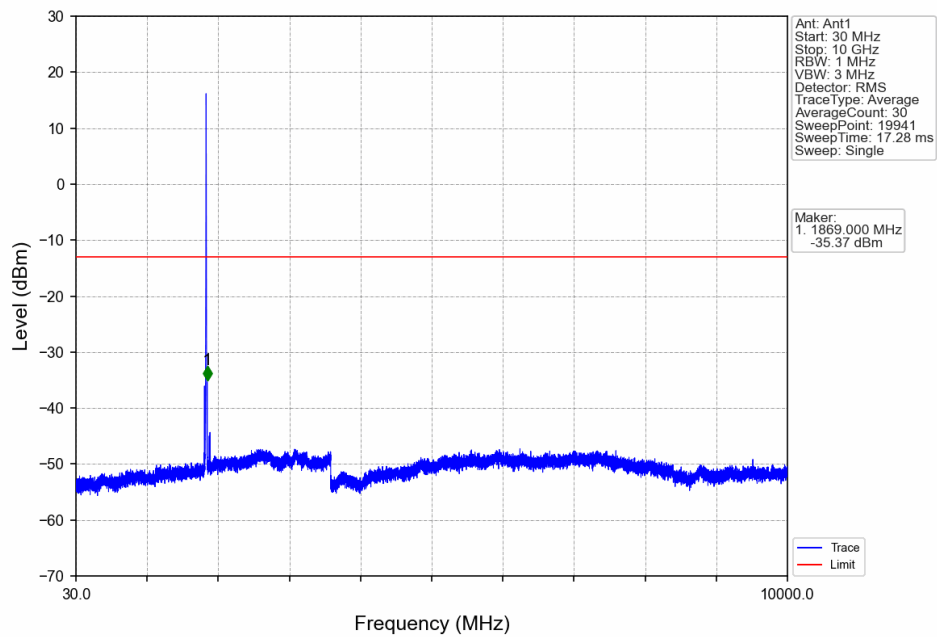
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



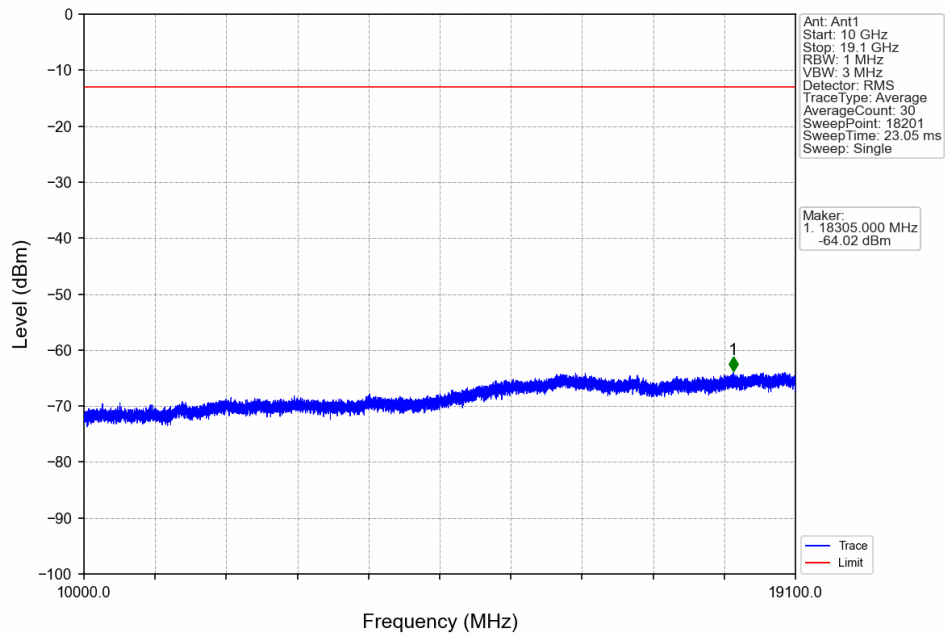
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



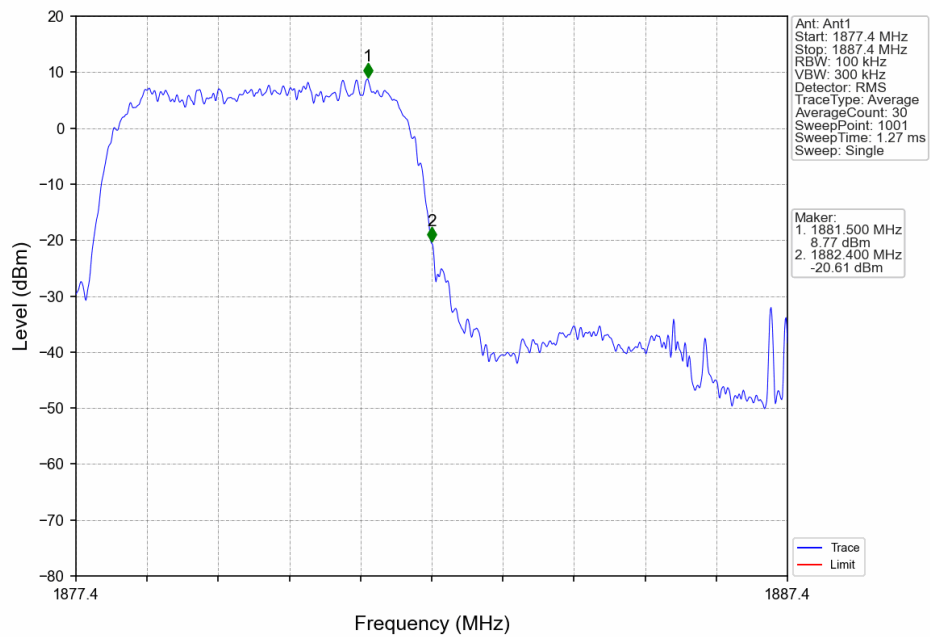
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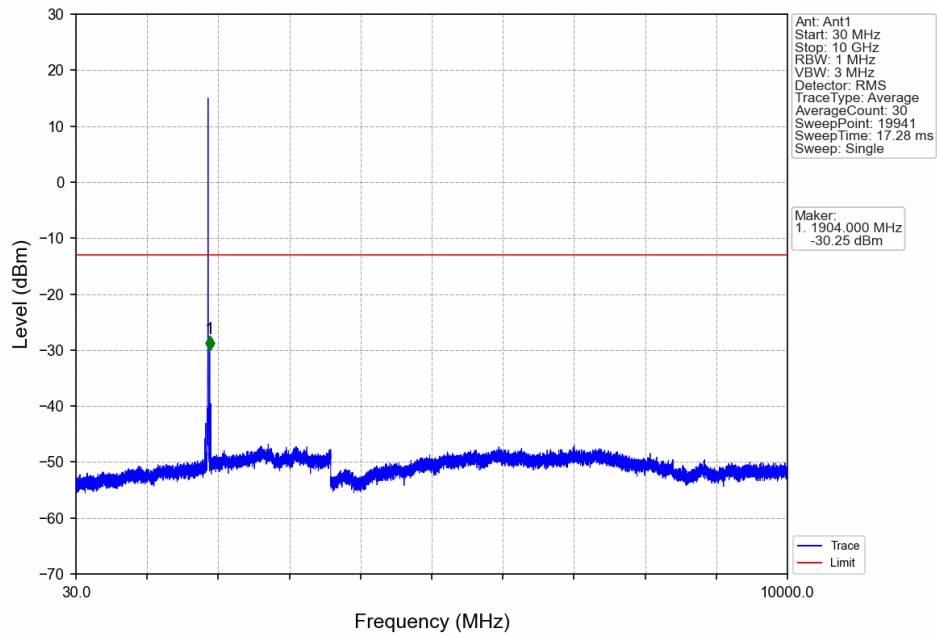
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



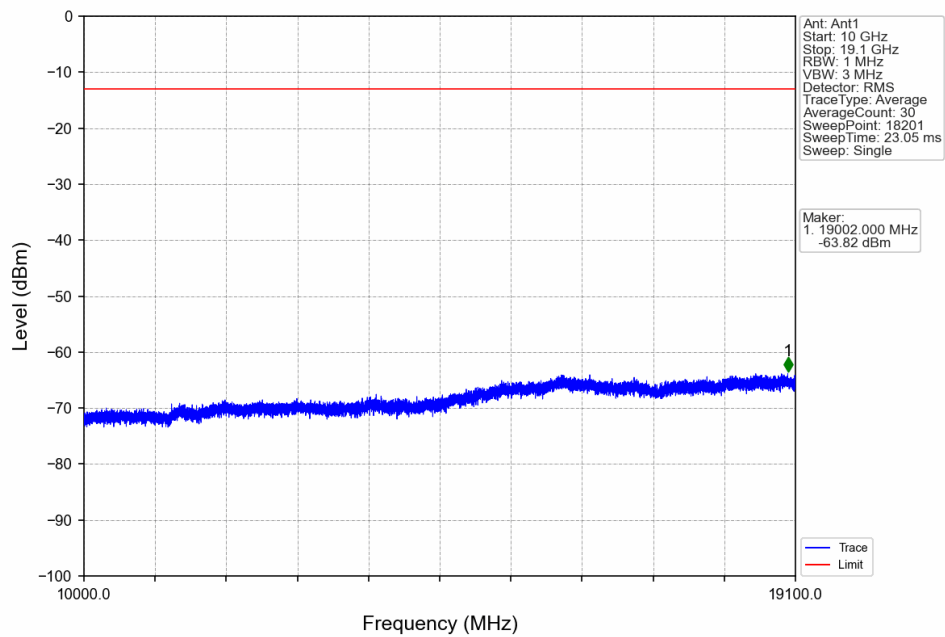
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



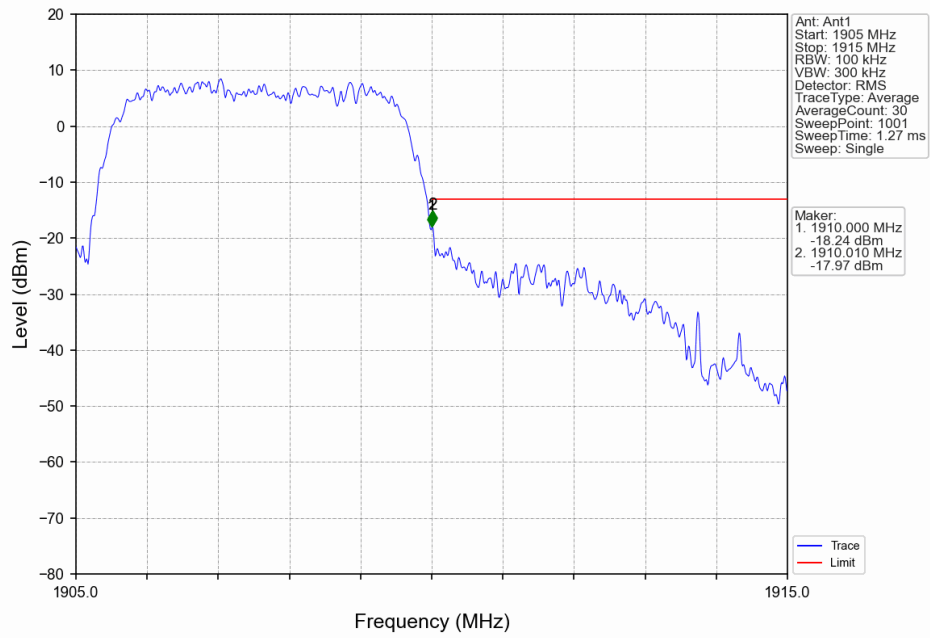
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



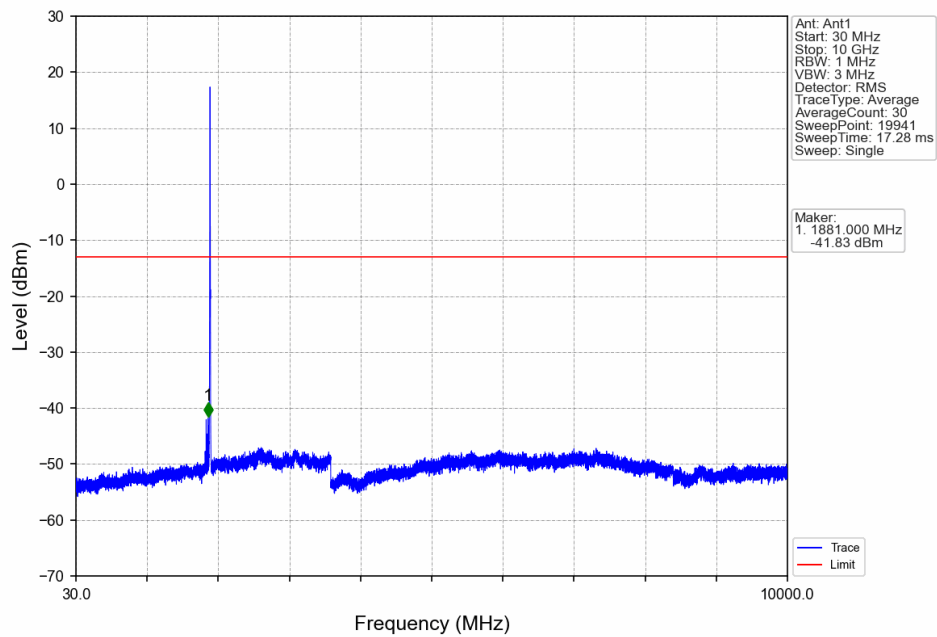
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

