

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	21.62	0.48	22.10	<=33.01	Pass	
			1880	21.42	0.48	21.90	<=33.01	Pass	
			1907.6	21.46	0.48	21.94	<=33.01	Pass	
	HSDPA	Subtest 1	1852.4	19.32	0.48	19.80	<=33.01	Pass	
		Subtest 2	1852.4	19.31	0.48	19.79	<=33.01	Pass	
		Subtest 3	1852.4	19.29	0.48	19.77	<=33.01	Pass	
		Subtest 4	1852.4	19.30	0.48	19.78	<=33.01	Pass	
		Subtest 1	1880	19.07	0.48	19.55	<=33.01	Pass	
		Subtest 2	1880	19.06	0.48	19.54	<=33.01	Pass	
		Subtest 3	1880	19.04	0.48	19.52	<=33.01	Pass	
		Subtest 4	1880	19.05	0.48	19.53	<=33.01	Pass	
		Subtest 1	1907.6	19.16	0.48	19.64	<=33.01	Pass	
		Subtest 2	1907.6	19.21	0.48	19.69	<=33.01	Pass	
		Subtest 3	1907.6	19.15	0.48	19.63	<=33.01	Pass	
		Subtest 4	1907.6	19.13	0.48	19.61	<=33.01	Pass	
		HSUPA	Subtest 1	1852.4	17.10	0.48	17.58	<=33.01	Pass
			Subtest 2	1852.4	17.33	0.48	17.81	<=33.01	Pass
			Subtest 3	1852.4	17.31	0.48	17.79	<=33.01	Pass
			Subtest 4	1852.4	16.79	0.48	17.27	<=33.01	Pass
			Subtest 5	1852.4	17.12	0.48	17.60	<=33.01	Pass
			Subtest 1	1880	16.89	0.48	17.37	<=33.01	Pass
			Subtest 2	1880	17.10	0.48	17.58	<=33.01	Pass
			Subtest 3	1880	16.91	0.48	17.39	<=33.01	Pass
			Subtest 4	1880	17.11	0.48	17.59	<=33.01	Pass
			Subtest 5	1880	17.11	0.48	17.59	<=33.01	Pass
			Subtest 1	1907.6	17.20	0.48	17.68	<=33.01	Pass
			Subtest 2	1907.6	16.71	0.48	17.19	<=33.01	Pass
	Subtest 3		1907.6	16.71	0.48	17.19	<=33.01	Pass	
	Subtest 4		1907.6	16.68	0.48	17.16	<=33.01	Pass	
	Subtest 5		1907.6	17.01	0.48	17.49	<=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	-12.209	-0.0066	-2.5 to 2.5	Pass
			3.85	-9.892	-0.0053	-2.5 to 2.5	Pass
			4.43	-10.493	-0.0057	-2.5 to 2.5	Pass
		-30	3.85	-11.702	-0.0063	-2.5 to 2.5	Pass
		-20	3.85	-10.471	-0.0057	-2.5 to 2.5	Pass
		-10	3.85	-11.959	-0.0065	-2.5 to 2.5	Pass
		0	3.85	-14.377	-0.0078	-2.5 to 2.5	Pass
		10	3.85	-17.595	-0.0095	-2.5 to 2.5	Pass
		30	3.85	-10.421	-0.0056	-2.5 to 2.5	Pass
		40	3.85	-12.660	-0.0068	-2.5 to 2.5	Pass
		50	3.85	-15.807	-0.0085	-2.5 to 2.5	Pass
	1880	20	3.27	-19.012	-0.0101	-2.5 to 2.5	Pass
			3.85	-10.686	-0.0057	-2.5 to 2.5	Pass
			4.43	-12.324	-0.0066	-2.5 to 2.5	Pass
		-30	3.85	-14.062	-0.0075	-2.5 to 2.5	Pass
		-20	3.85	-14.899	-0.0079	-2.5 to 2.5	Pass
		-10	3.85	-11.158	-0.0059	-2.5 to 2.5	Pass
		0	3.85	-12.195	-0.0065	-2.5 to 2.5	Pass
		10	3.85	-12.896	-0.0069	-2.5 to 2.5	Pass
		30	3.85	-14.205	-0.0076	-2.5 to 2.5	Pass
		40	3.85	-16.222	-0.0086	-2.5 to 2.5	Pass
		50	3.85	-10.629	-0.0057	-2.5 to 2.5	Pass
	1907.6	20	3.27	-11.938	-0.0063	-2.5 to 2.5	Pass
			3.85	-10.979	-0.0058	-2.5 to 2.5	Pass
			4.43	-13.704	-0.0072	-2.5 to 2.5	Pass
		-30	3.85	-16.701	-0.0088	-2.5 to 2.5	Pass
		-20	3.85	-16.744	-0.0088	-2.5 to 2.5	Pass
		-10	3.85	-11.866	-0.0062	-2.5 to 2.5	Pass
		0	3.85	-13.418	-0.0070	-2.5 to 2.5	Pass
		10	3.85	-10.114	-0.0053	-2.5 to 2.5	Pass
		30	3.85	-15.435	-0.0081	-2.5 to 2.5	Pass
		40	3.85	-15.013	-0.0079	-2.5 to 2.5	Pass
		50	3.85	-17.946	-0.0094	-2.5 to 2.5	Pass
HSDPA	1852.4	20	3.27	-18.218	-0.0098	-2.5 to 2.5	Pass
			3.85	-16.966	-0.0092	-2.5 to 2.5	Pass
			4.43	-12.753	-0.0069	-2.5 to 2.5	Pass
		-30	3.85	-16.437	-0.0089	-2.5 to 2.5	Pass
		-20	3.85	-10.257	-0.0055	-2.5 to 2.5	Pass
		-10	3.85	-11.058	-0.0060	-2.5 to 2.5	Pass
		0	3.85	-10.200	-0.0055	-2.5 to 2.5	Pass
		10	3.85	-13.697	-0.0074	-2.5 to 2.5	Pass
		30	3.85	-11.730	-0.0063	-2.5 to 2.5	Pass
		40	3.85	-13.103	-0.0071	-2.5 to 2.5	Pass
		50	3.85	-13.740	-0.0074	-2.5 to 2.5	Pass
	1880	20	3.27	-13.297	-0.0071	-2.5 to 2.5	Pass
			3.85	-6.659	-0.0035	-2.5 to 2.5	Pass
			4.43	-16.766	-0.0089	-2.5 to 2.5	Pass
		-30	3.85	-12.224	-0.0065	-2.5 to 2.5	Pass
		-20	3.85	-12.403	-0.0066	-2.5 to 2.5	Pass
		-10	3.85	-16.887	-0.0090	-2.5 to 2.5	Pass
		0	3.85	-11.873	-0.0063	-2.5 to 2.5	Pass
		10	3.85	-14.706	-0.0078	-2.5 to 2.5	Pass
		30	3.85	-15.256	-0.0081	-2.5 to 2.5	Pass
		40	3.85	-15.585	-0.0083	-2.5 to 2.5	Pass
		50	3.85	-13.318	-0.0071	-2.5 to 2.5	Pass

	1907.6	20	3.27	-13.361	-0.0070	-2.5 to 2.5	Pass
			3.85	-9.735	-0.0051	-2.5 to 2.5	Pass
			4.43	-10.092	-0.0053	-2.5 to 2.5	Pass
		-30	3.85	-17.366	-0.0091	-2.5 to 2.5	Pass
		-20	3.85	-12.910	-0.0068	-2.5 to 2.5	Pass
		-10	3.85	-13.597	-0.0071	-2.5 to 2.5	Pass
		0	3.85	-16.994	-0.0089	-2.5 to 2.5	Pass
		10	3.85	-14.319	-0.0075	-2.5 to 2.5	Pass
		30	3.85	-10.035	-0.0053	-2.5 to 2.5	Pass
		40	3.85	-12.274	-0.0064	-2.5 to 2.5	Pass
HSUPA	1852.4	20	3.27	-10.293	-0.0056	-2.5 to 2.5	Pass
			3.85	-7.761	-0.0042	-2.5 to 2.5	Pass
			4.43	-8.955	-0.0048	-2.5 to 2.5	Pass
		-30	3.85	-10.371	-0.0056	-2.5 to 2.5	Pass
		-20	3.85	-4.985	-0.0027	-2.5 to 2.5	Pass
		-10	3.85	-7.968	-0.0043	-2.5 to 2.5	Pass
		0	3.85	-9.456	-0.0051	-2.5 to 2.5	Pass
		10	3.85	-10.672	-0.0058	-2.5 to 2.5	Pass
		30	3.85	-7.288	-0.0039	-2.5 to 2.5	Pass
		40	3.85	-13.847	-0.0075	-2.5 to 2.5	Pass
		50	3.85	-7.839	-0.0042	-2.5 to 2.5	Pass
	1880	20	3.27	-7.989	-0.0042	-2.5 to 2.5	Pass
			3.85	-7.625	-0.0041	-2.5 to 2.5	Pass
			4.43	-9.356	-0.0050	-2.5 to 2.5	Pass
		-30	3.85	-12.982	-0.0069	-2.5 to 2.5	Pass
		-20	3.85	-5.715	-0.0030	-2.5 to 2.5	Pass
		-10	3.85	-6.487	-0.0035	-2.5 to 2.5	Pass
		0	3.85	-6.752	-0.0036	-2.5 to 2.5	Pass
		10	3.85	-10.557	-0.0056	-2.5 to 2.5	Pass
		30	3.85	-7.811	-0.0042	-2.5 to 2.5	Pass
		40	3.85	-3.397	-0.0018	-2.5 to 2.5	Pass
		50	3.85	-8.662	-0.0046	-2.5 to 2.5	Pass
	1907.6	20	3.27	-14.470	-0.0076	-2.5 to 2.5	Pass
			3.85	-15.450	-0.0081	-2.5 to 2.5	Pass
			4.43	-14.913	-0.0078	-2.5 to 2.5	Pass
		-30	3.85	-14.133	-0.0074	-2.5 to 2.5	Pass
		-20	3.85	-11.308	-0.0059	-2.5 to 2.5	Pass
		-10	3.85	-17.059	-0.0089	-2.5 to 2.5	Pass
		0	3.85	-14.670	-0.0077	-2.5 to 2.5	Pass
		10	3.85	-12.724	-0.0067	-2.5 to 2.5	Pass
		30	3.85	-10.300	-0.0054	-2.5 to 2.5	Pass
		40	3.85	-13.833	-0.0073	-2.5 to 2.5	Pass
		50	3.85	-14.684	-0.0077	-2.5 to 2.5	Pass

3. Modulation Characteristics

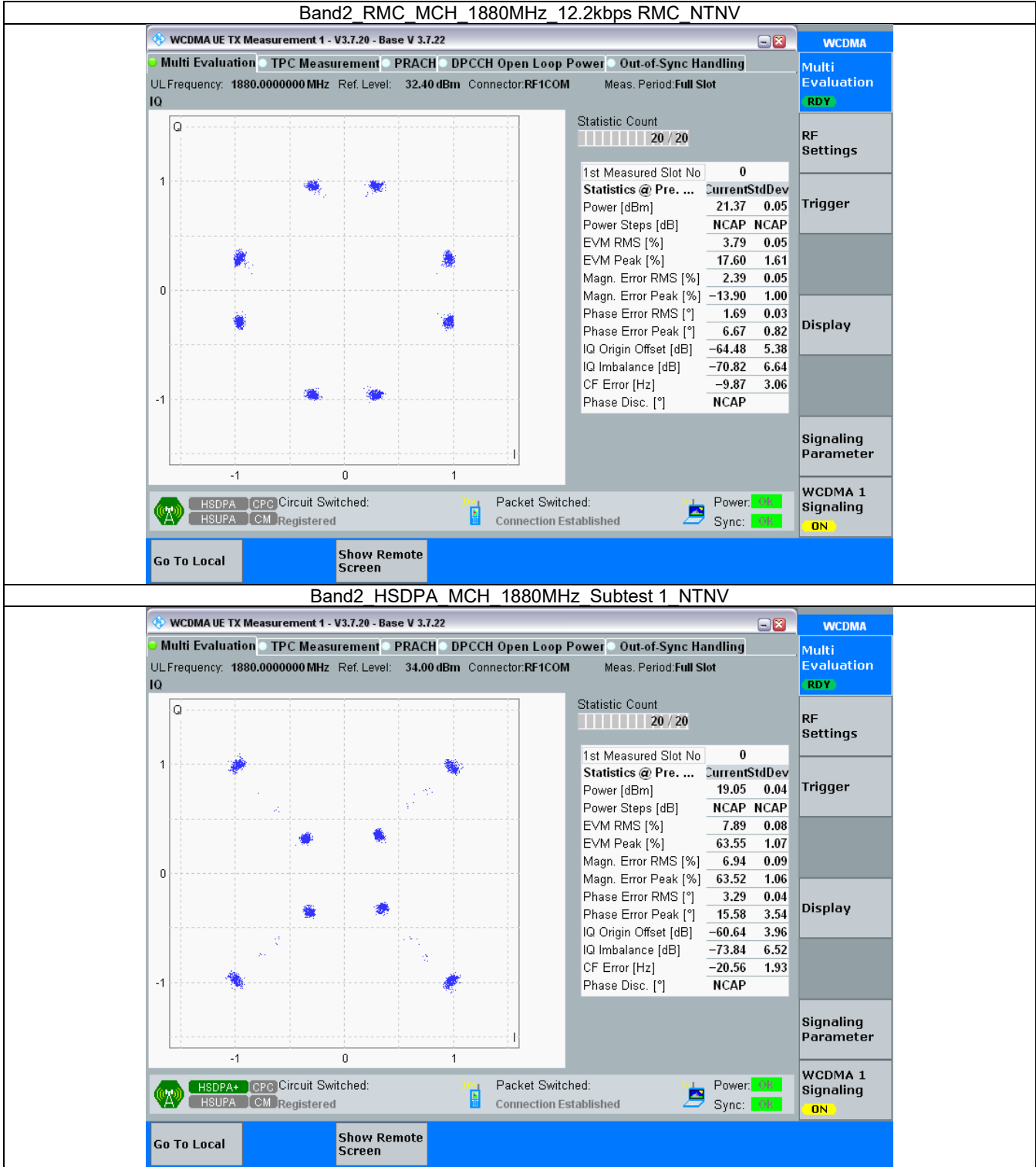
3.1 Band2

3.1.1 Test Result

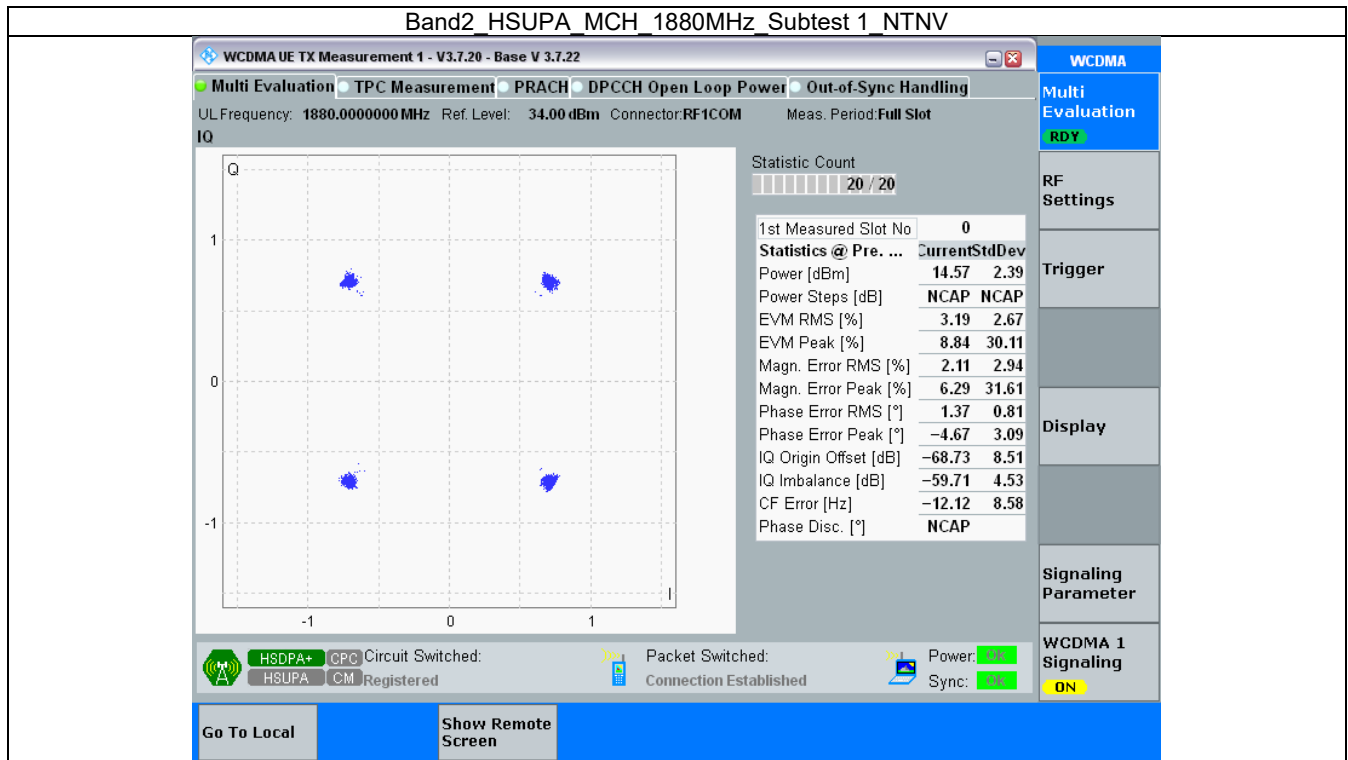
Band: 2

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 NTN



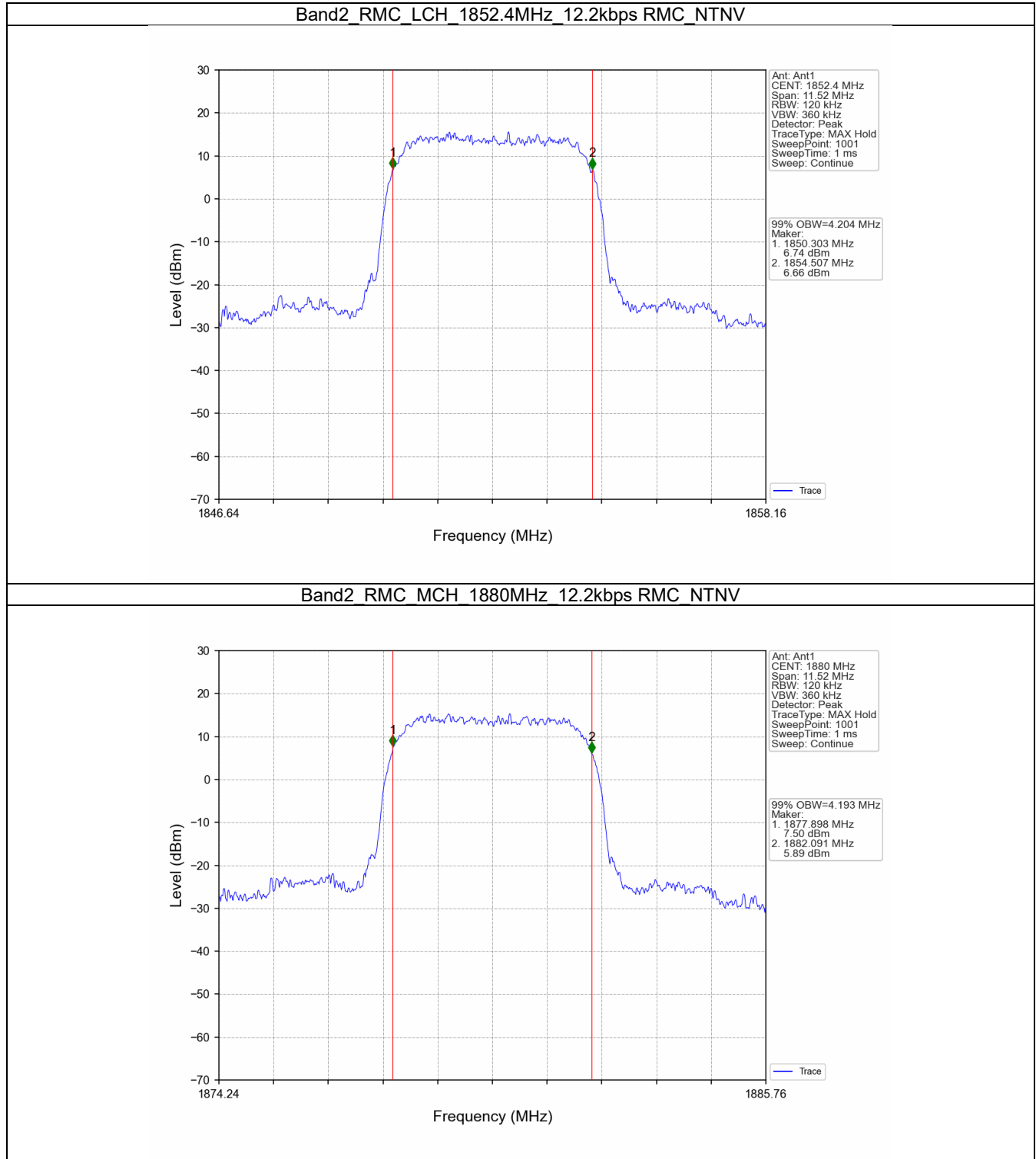
4. 99% & 26dB Bandwidth

4.1 Band2_OBW

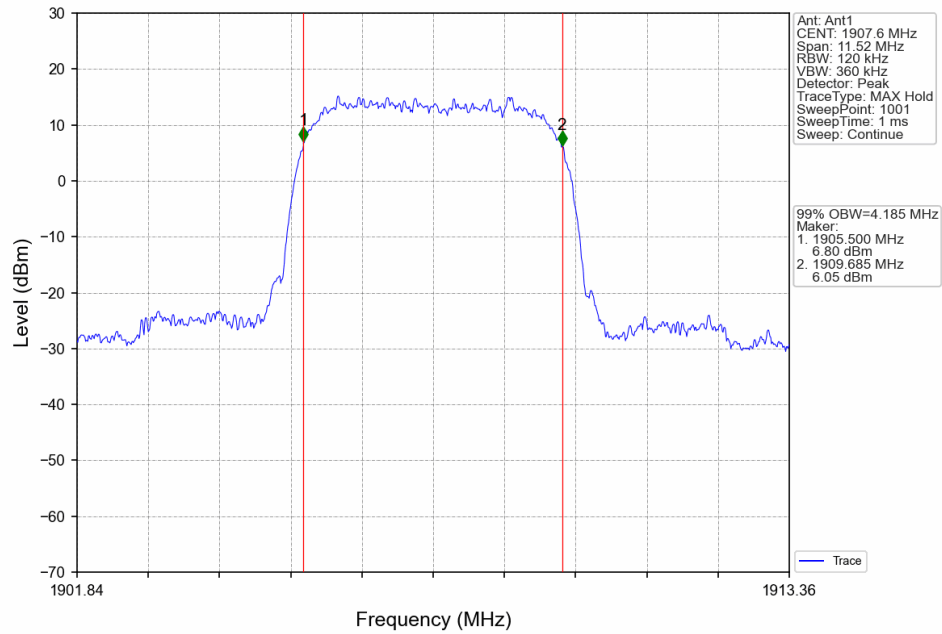
4.1.1 Test Result

Band: 2					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.204	Pass
			1880	4.193	Pass
			1907.6	4.185	Pass
	HSDPA	Subtest 1	1852.4	4.203	Pass
			1880	4.214	Pass
			1907.6	4.245	Pass
	HSUPA	Subtest 1	1852.4	4.194	Pass
			1880	4.212	Pass
			1907.6	4.255	Pass

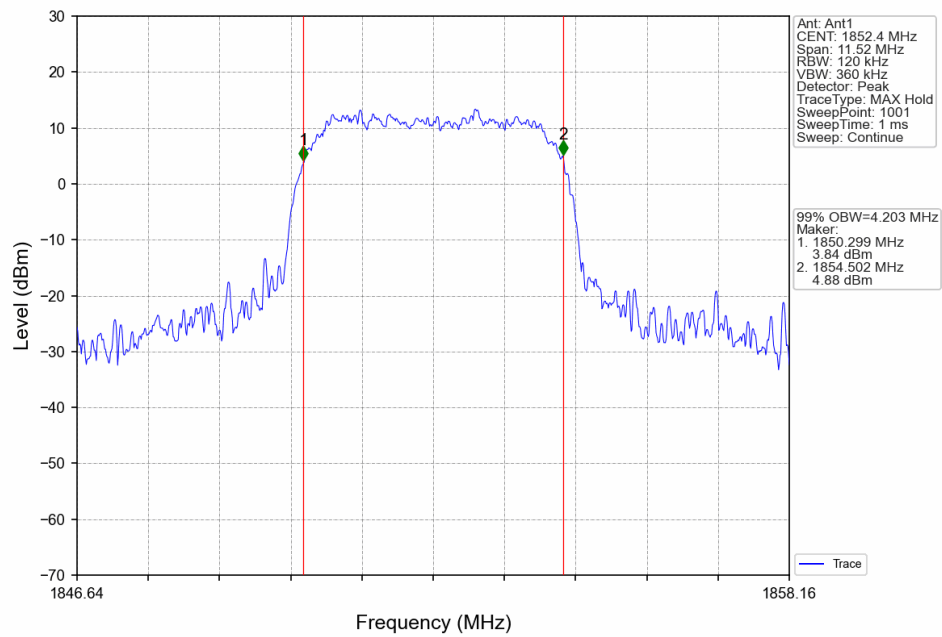
4.1.2 Test Graph



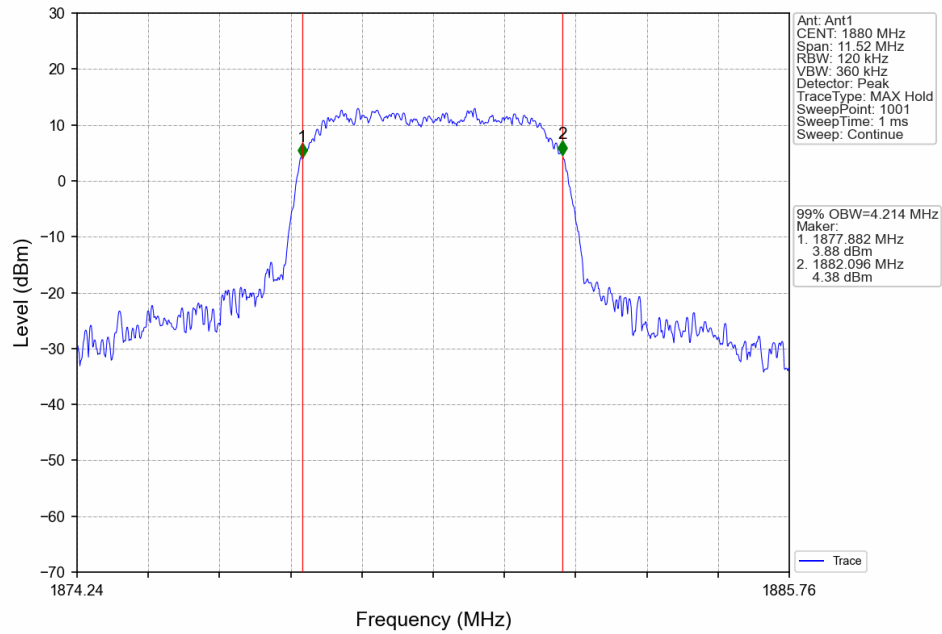
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



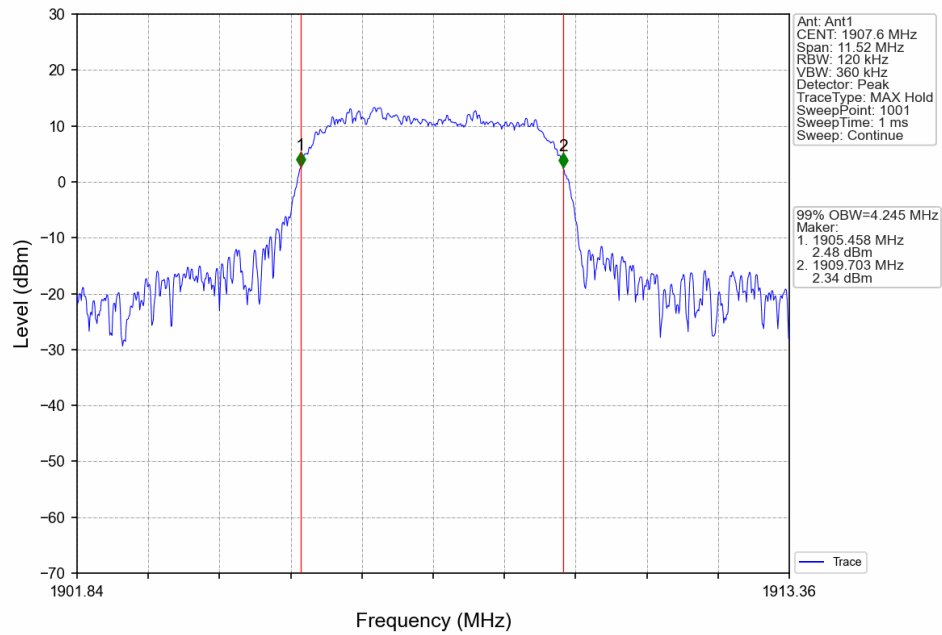
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



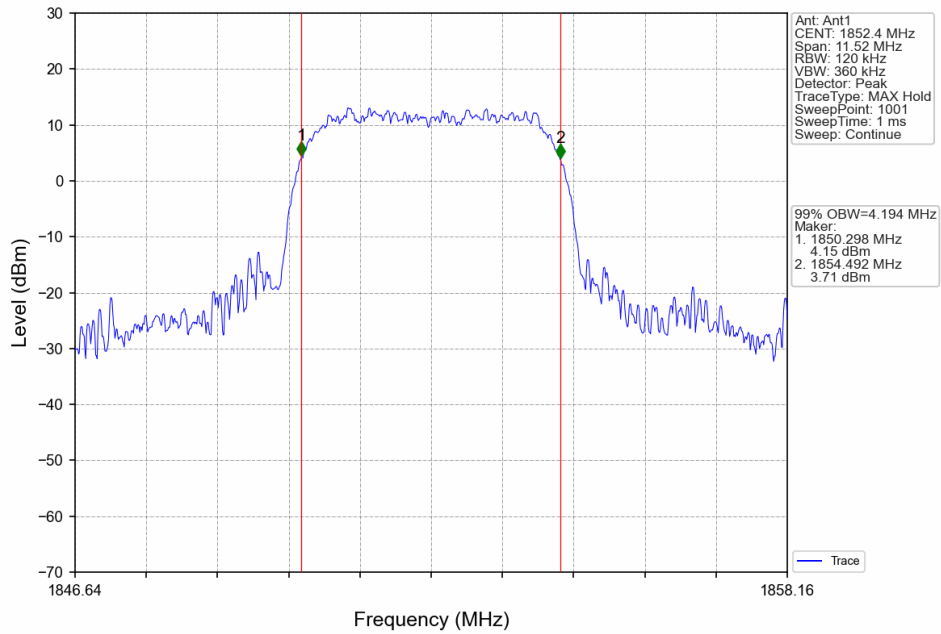
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



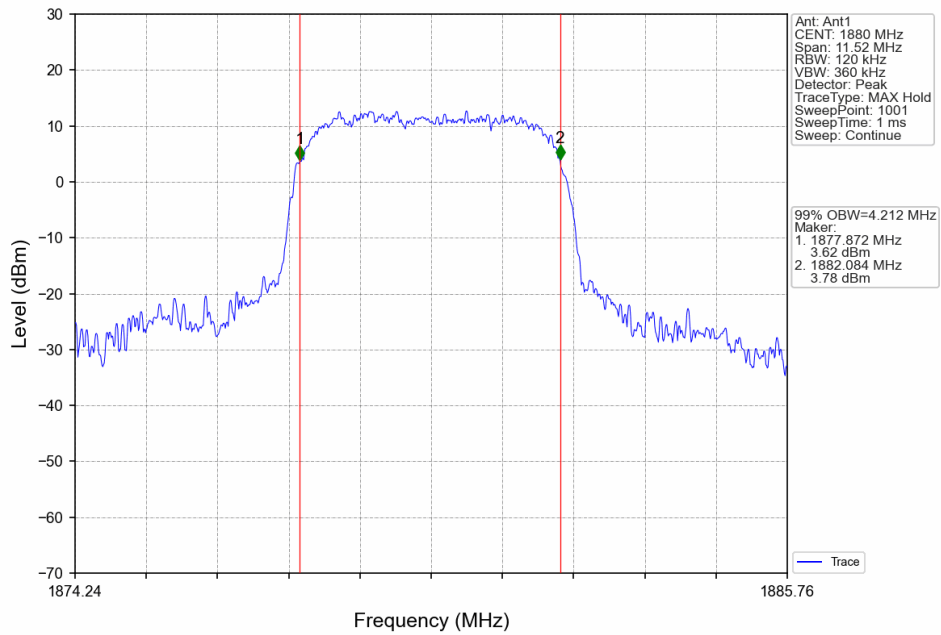
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



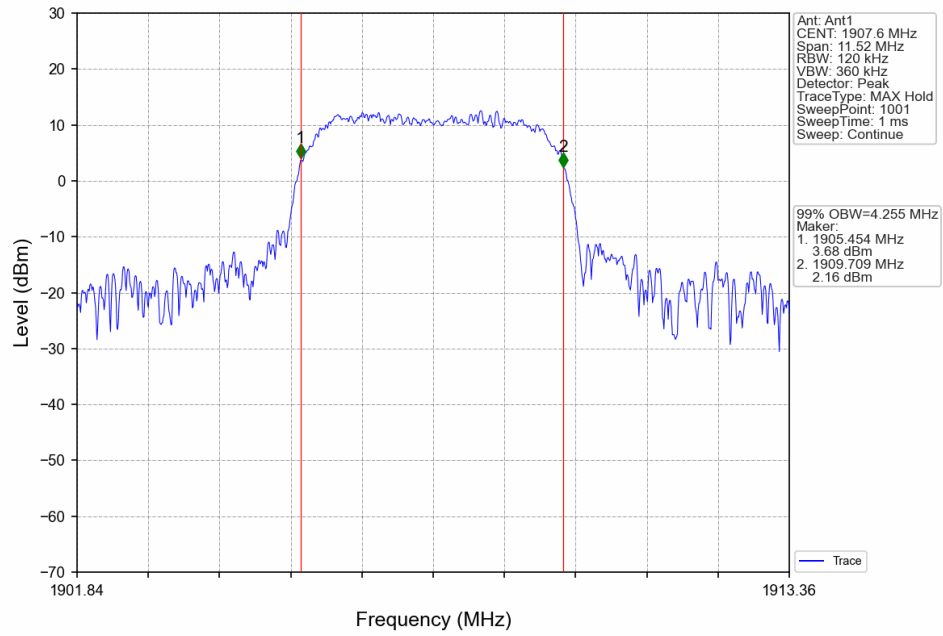
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

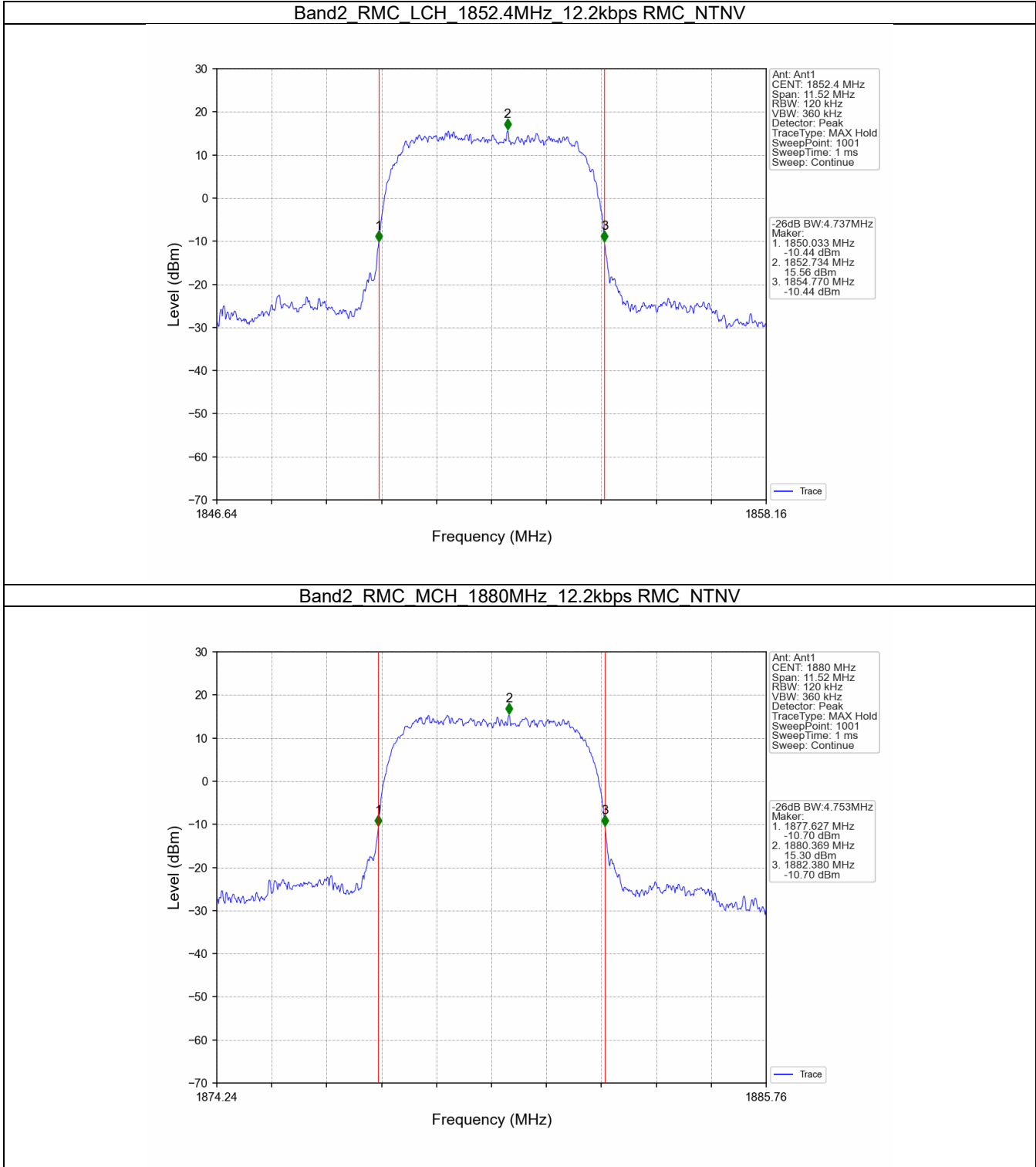


4.2 Band2_XDB

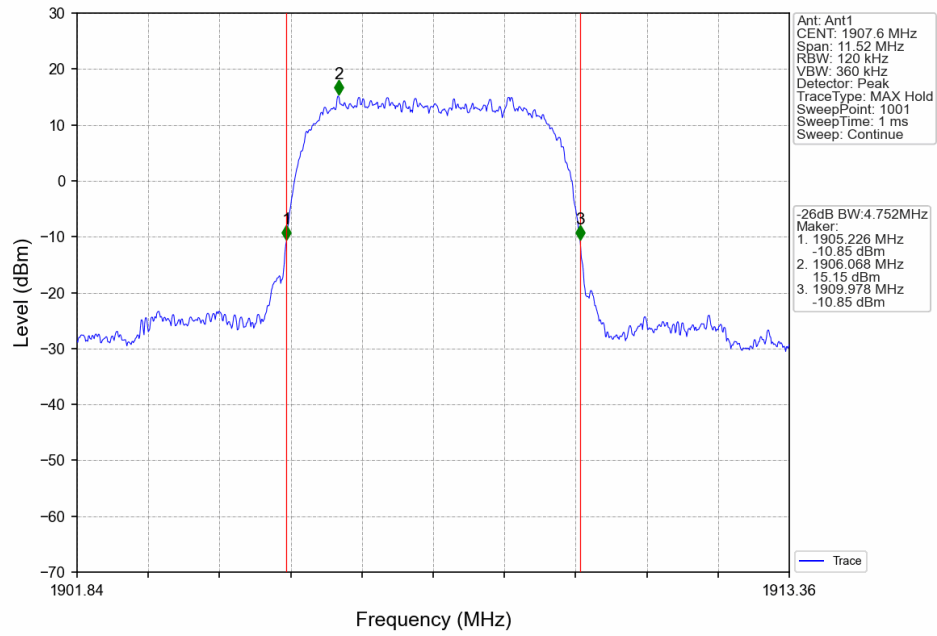
4.2.1 Test Result

Band: 2					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.737	Pass
			1880	4.753	Pass
			1907.6	4.752	Pass
	HSDPA	Subtest 1	1852.4	4.745	Pass
			1880	4.768	Pass
			1907.6	5.948	Pass
	HSUPA	Subtest 1	1852.4	5.185	Pass
			1880	4.776	Pass
			1907.6	6.526	Pass

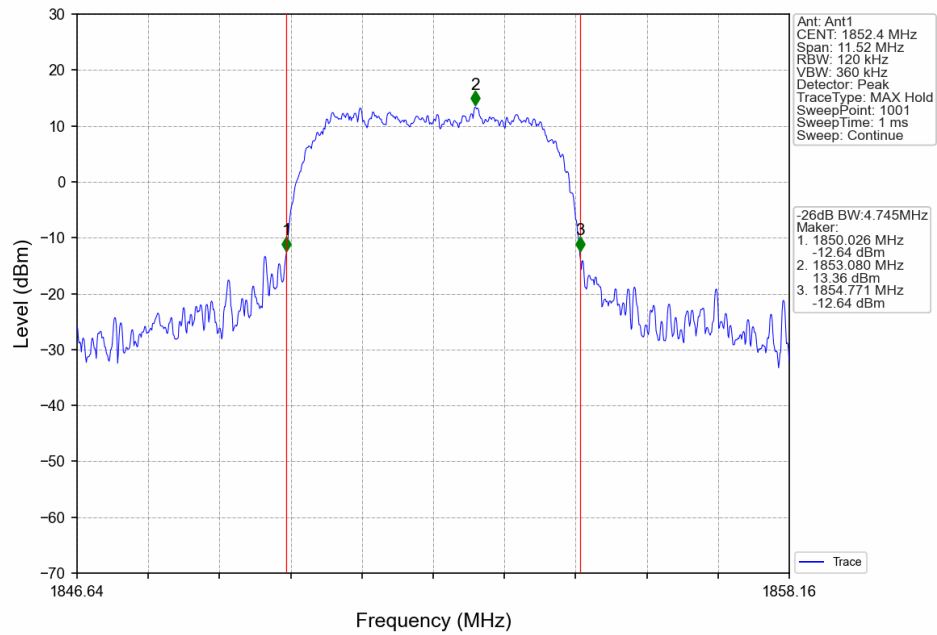
4.2.2 Test Graph



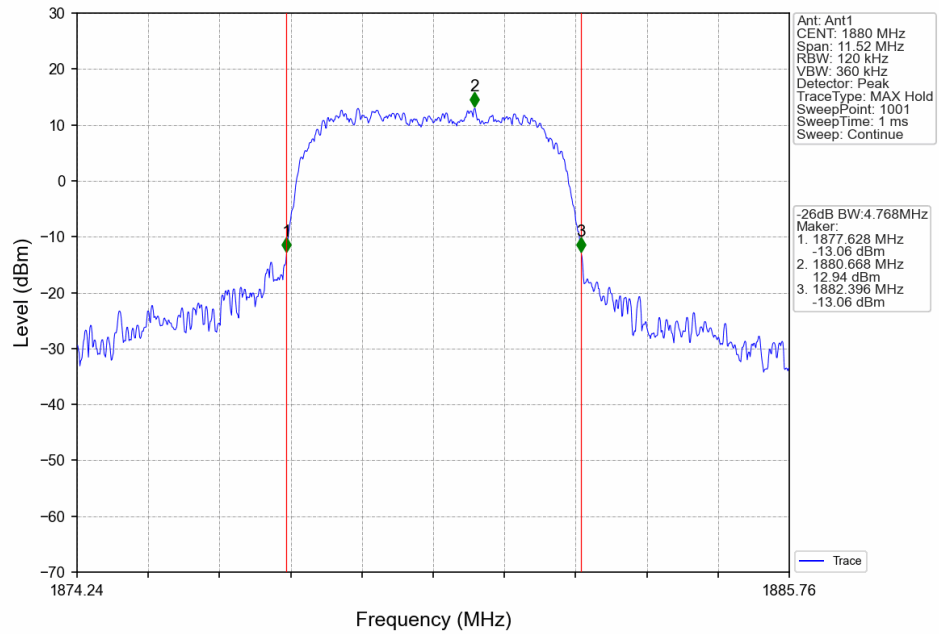
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



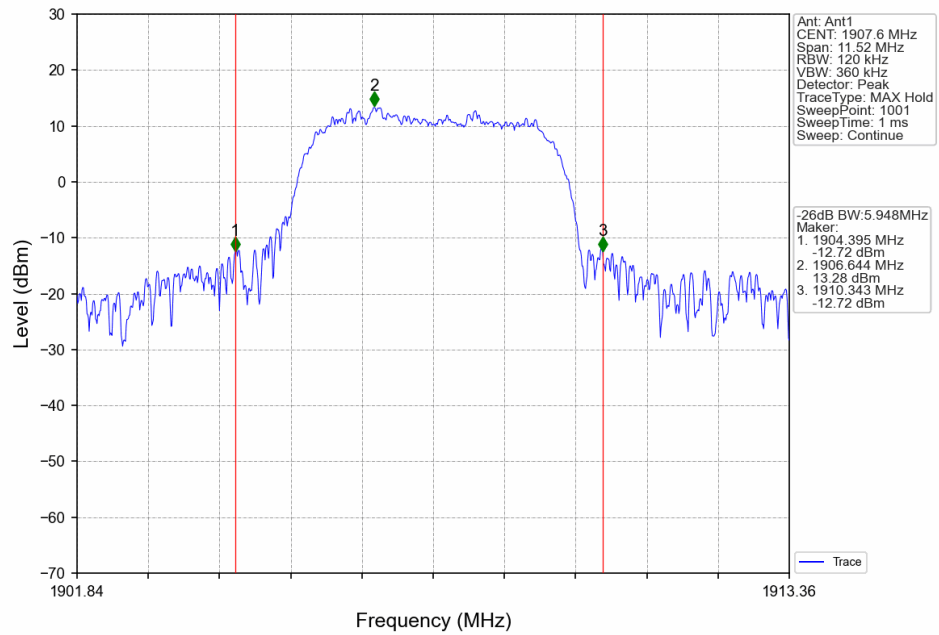
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



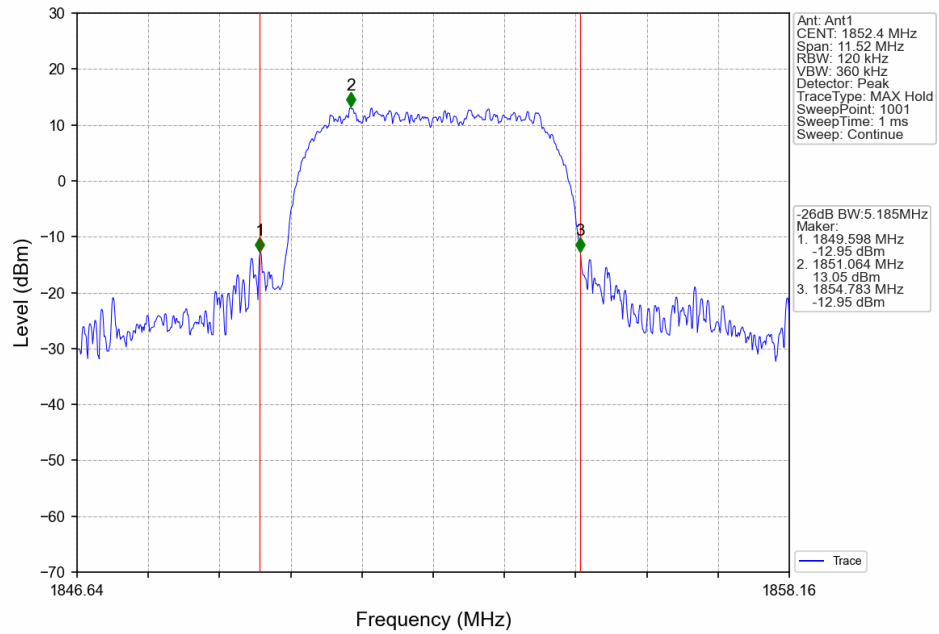
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



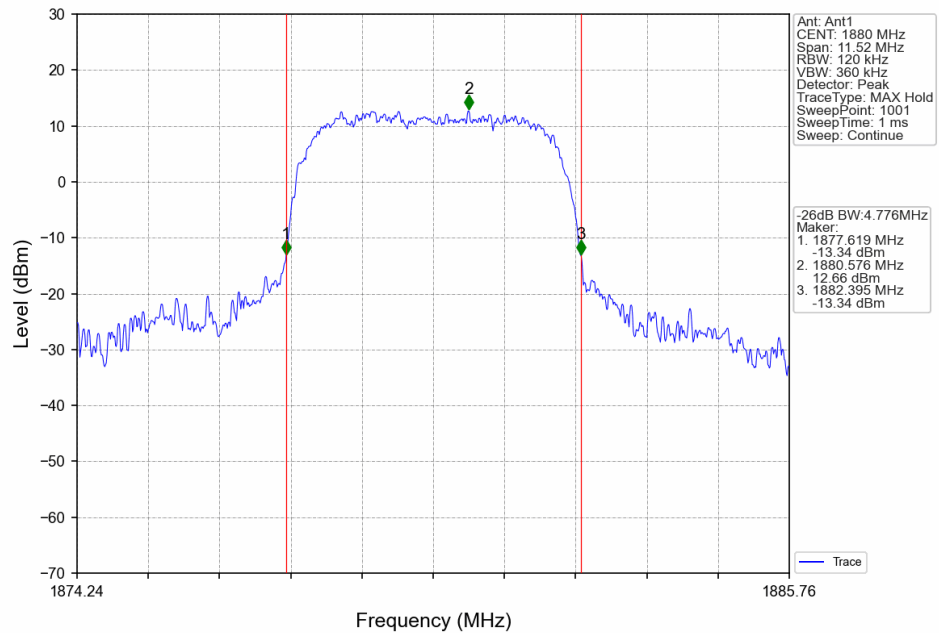
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



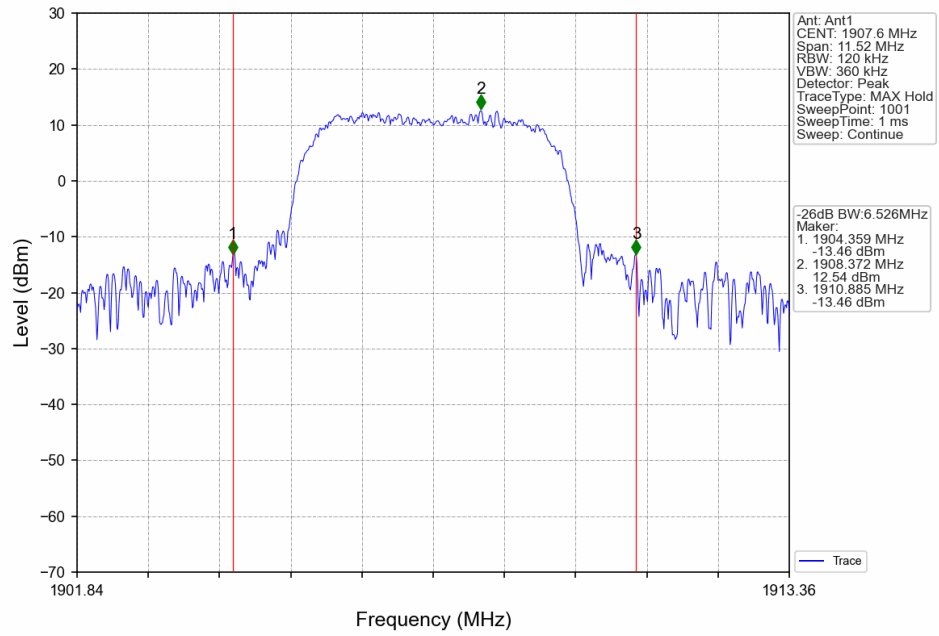
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



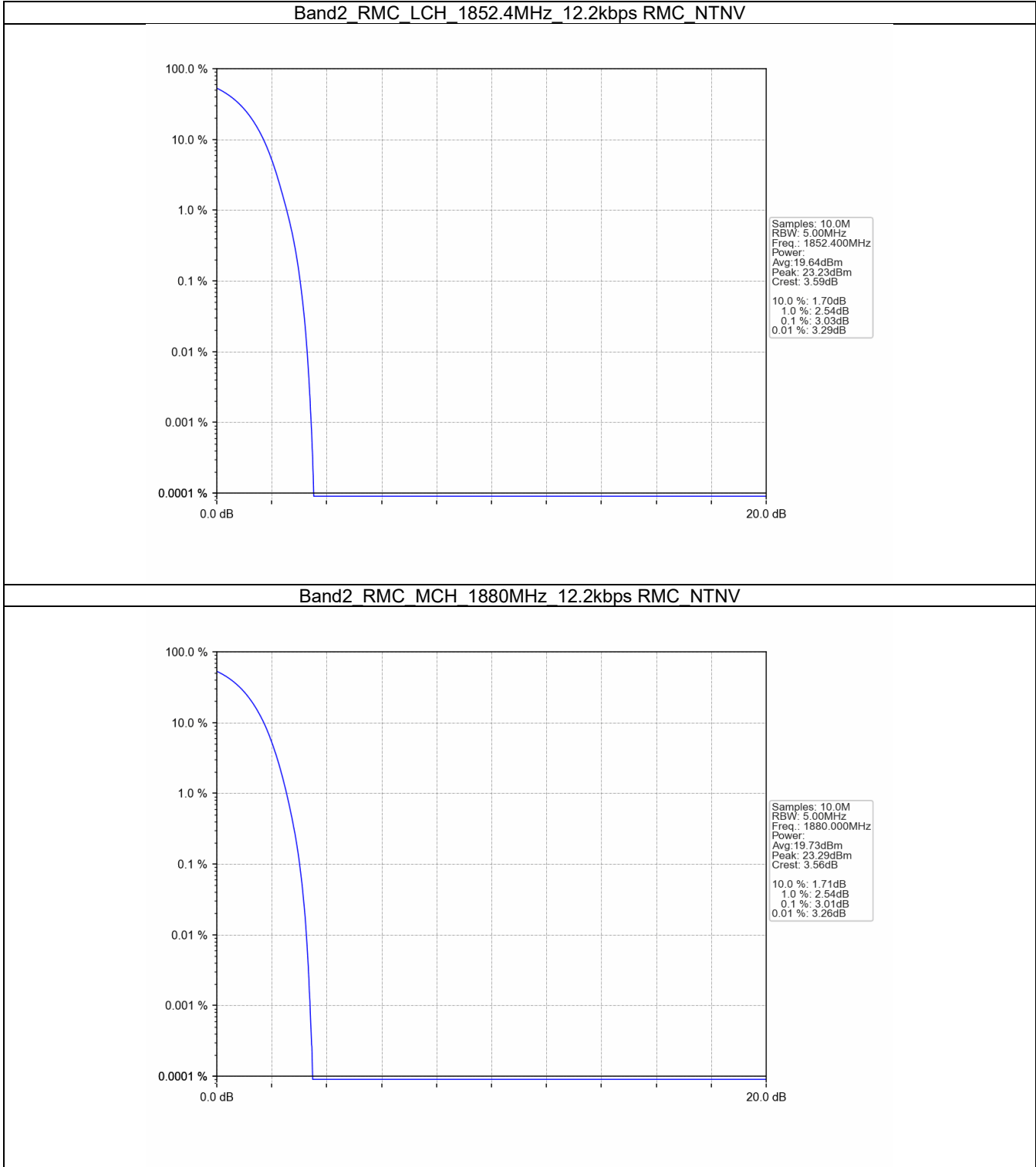
5. Peak-Average Ratio

5.1 Band2

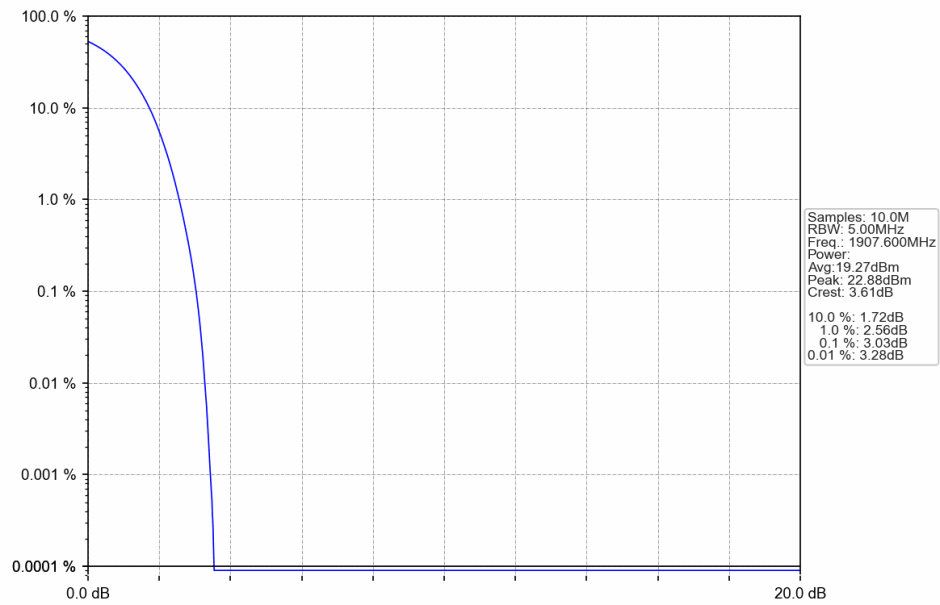
5.1.1 Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.03	<=13	Pass
			1880	3.01	<=13	Pass
			1907.6	3.03	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.86	<=13	Pass
			1880	5.63	<=13	Pass
			1907.6	5.91	<=13	Pass
	HSUPA	Subtest 1	1852.4	5.81	<=13	Pass
			1880	5.84	<=13	Pass
			1907.6	5.93	<=13	Pass

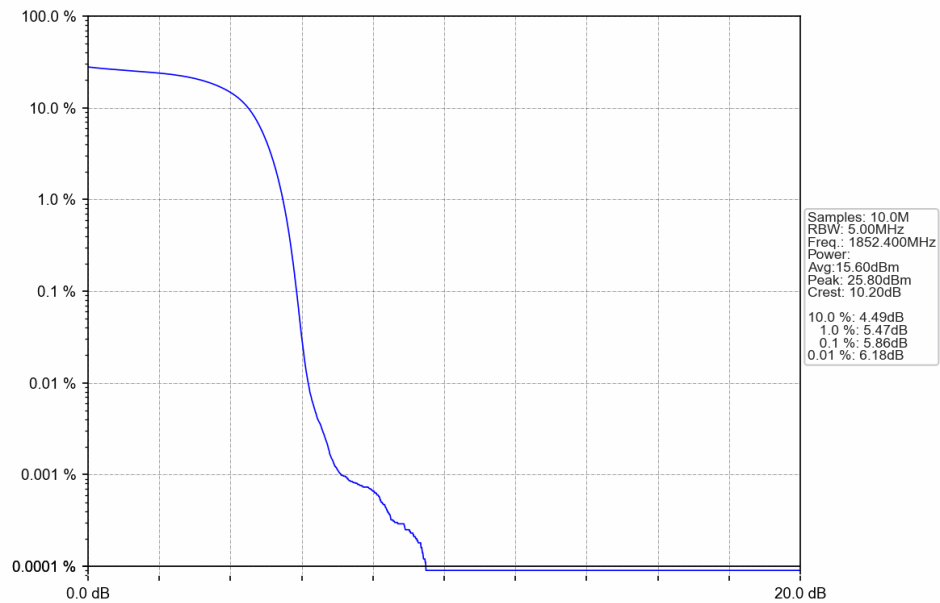
5.1.2 Test Graph



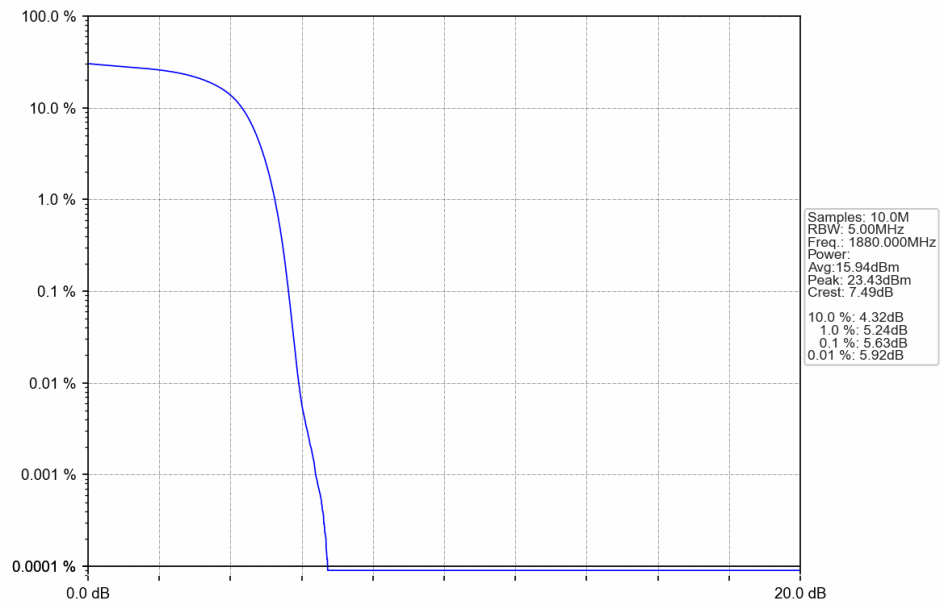
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



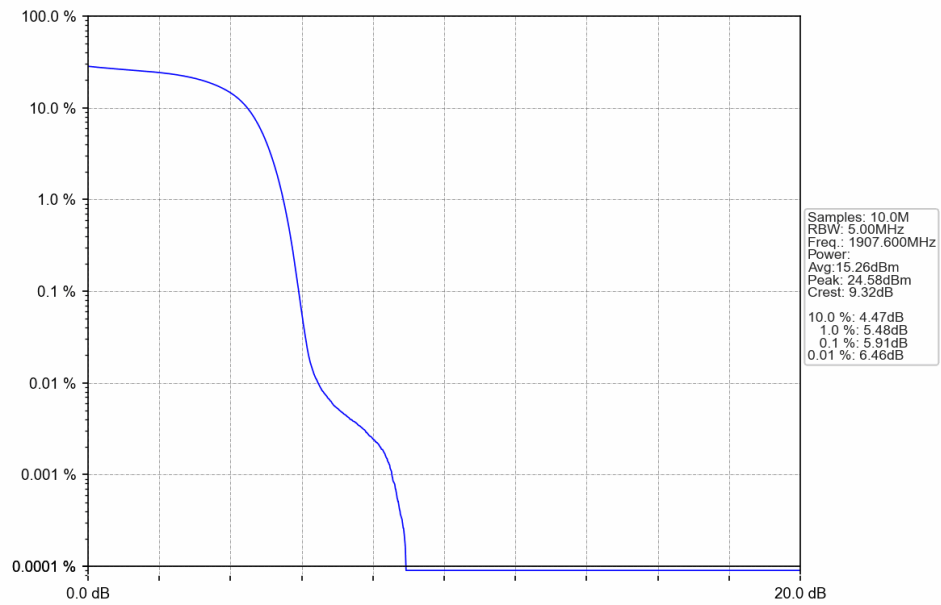
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



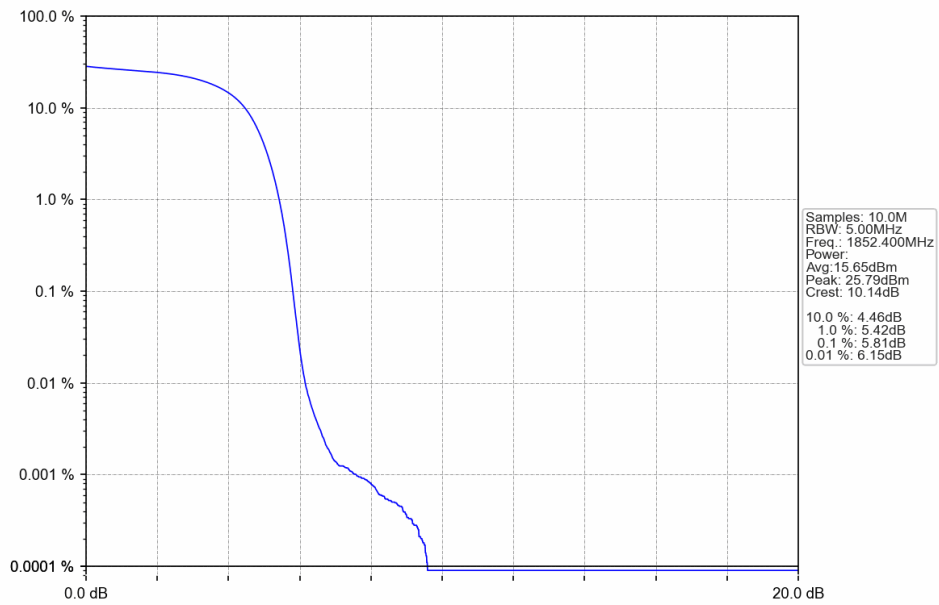
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



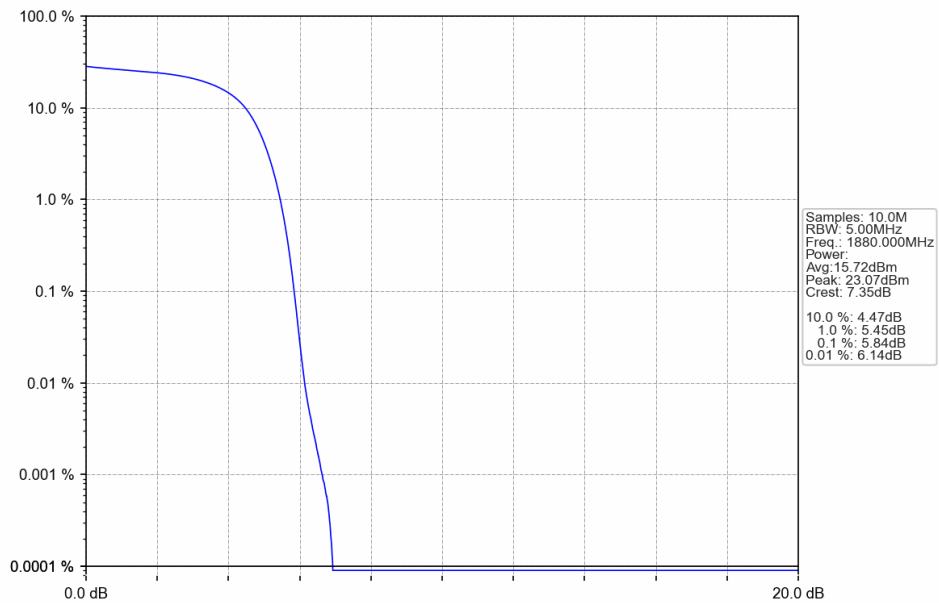
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



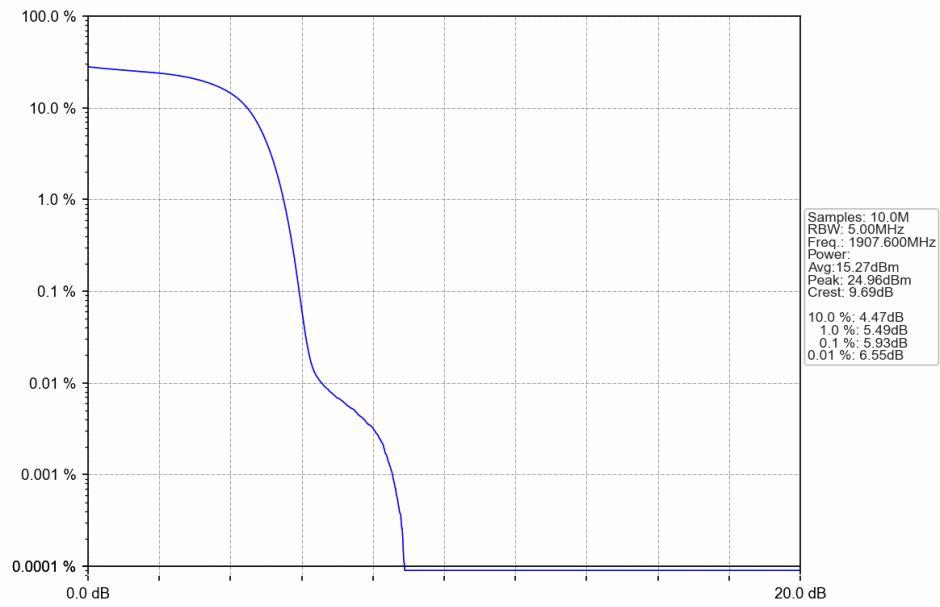
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



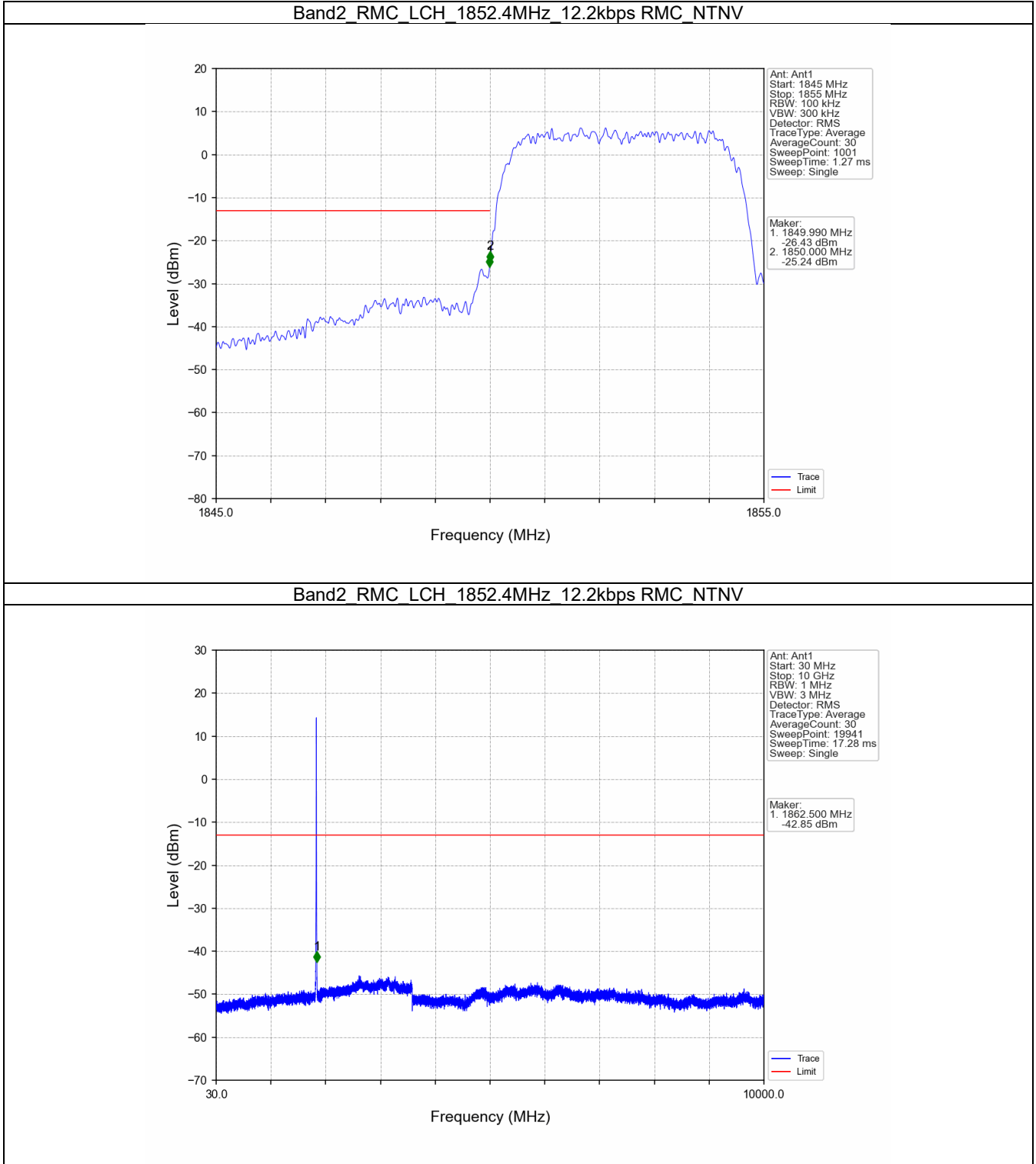
6. Spurious Emission

6.1 Band2

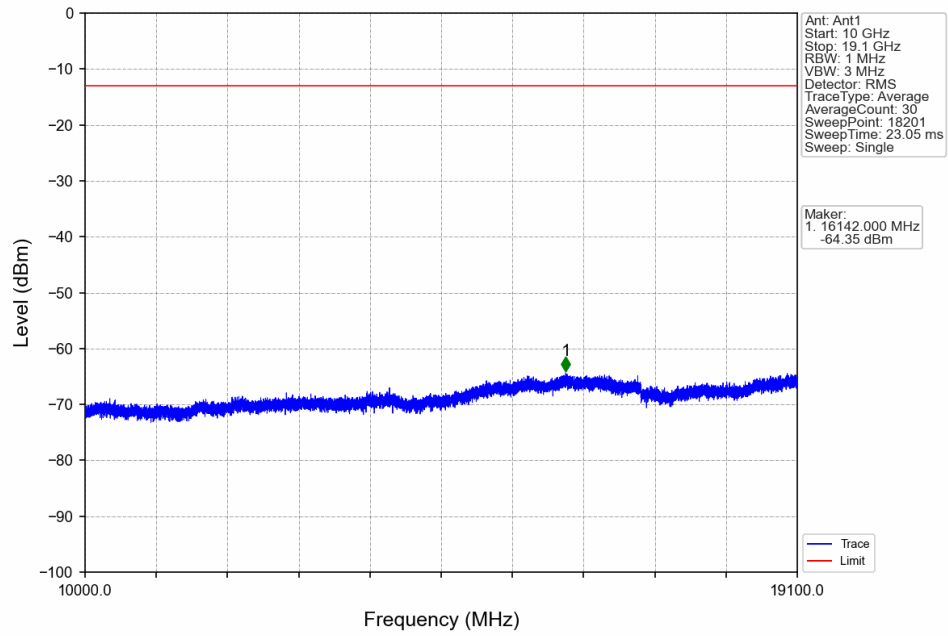
6.1.1 Test Result

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

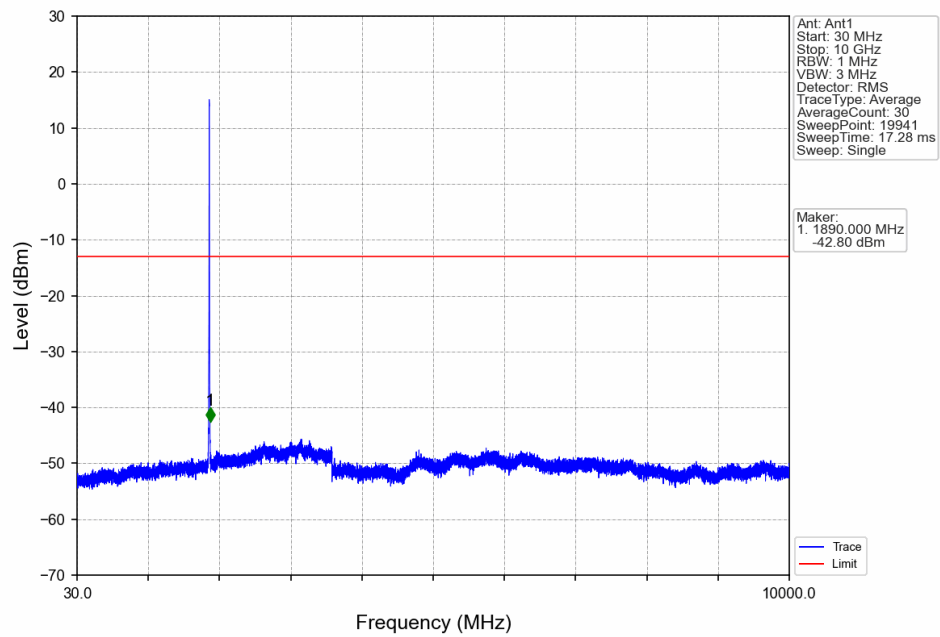
6.1.2 Test Graph



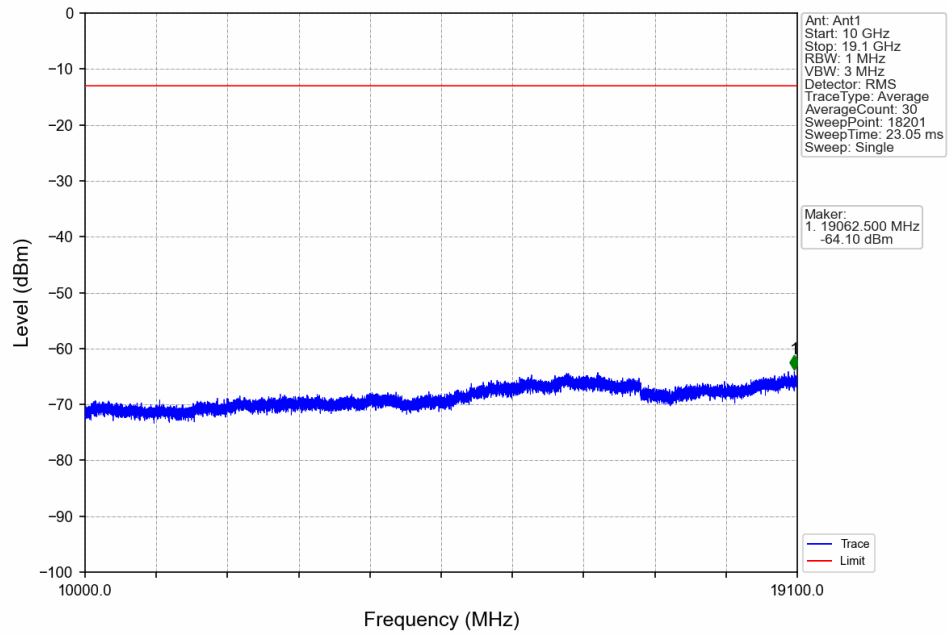
Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



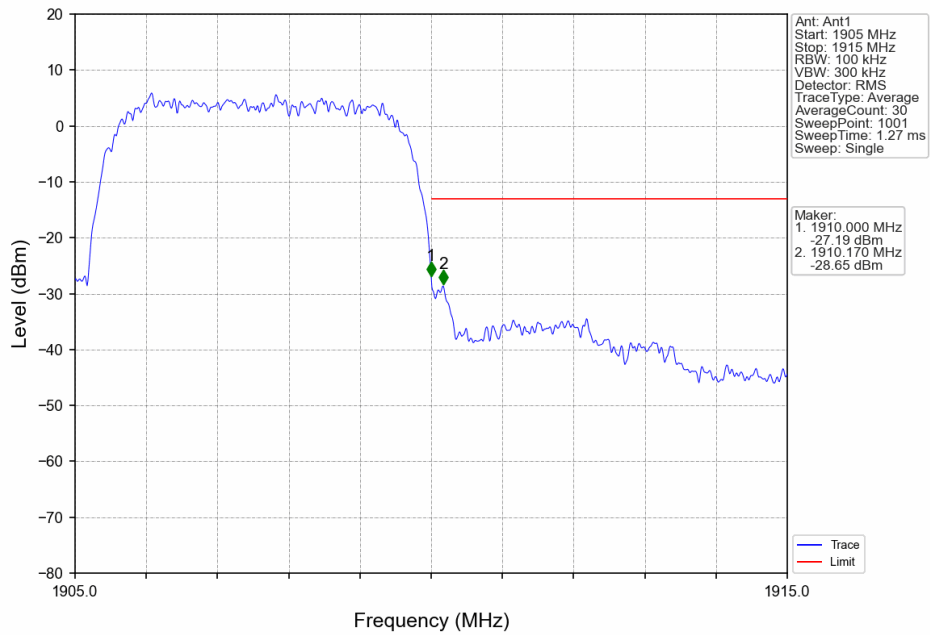
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



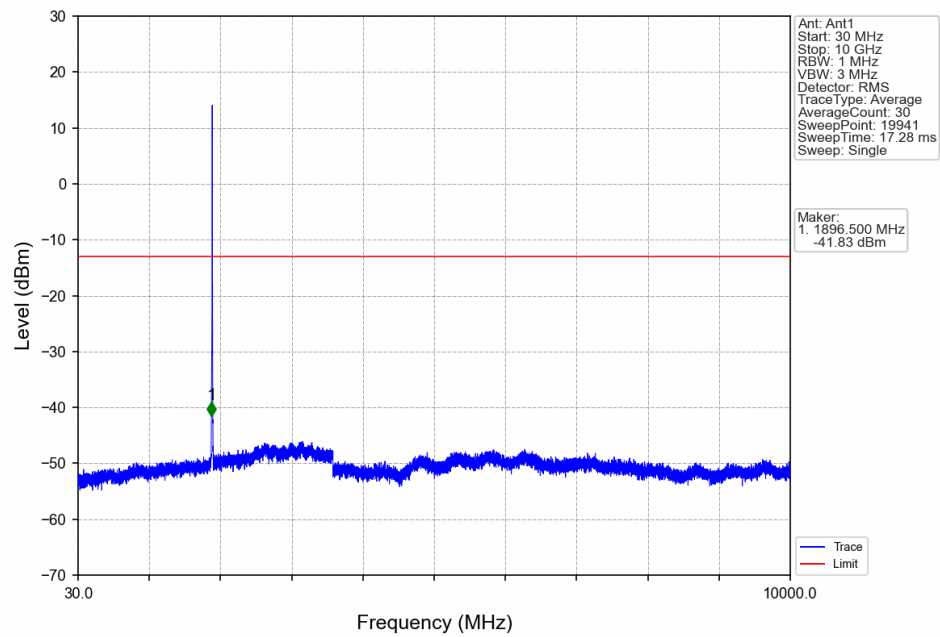
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



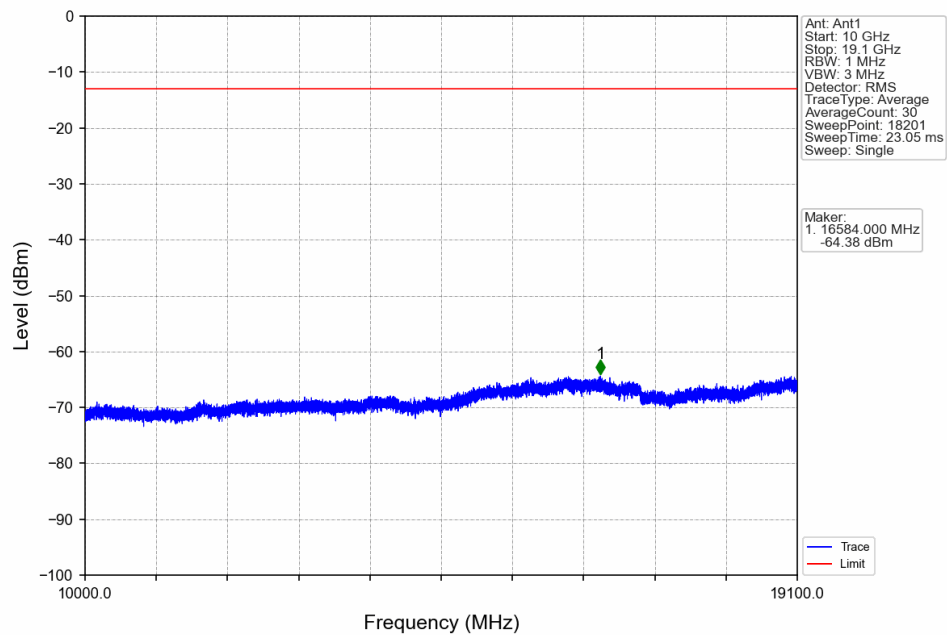
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



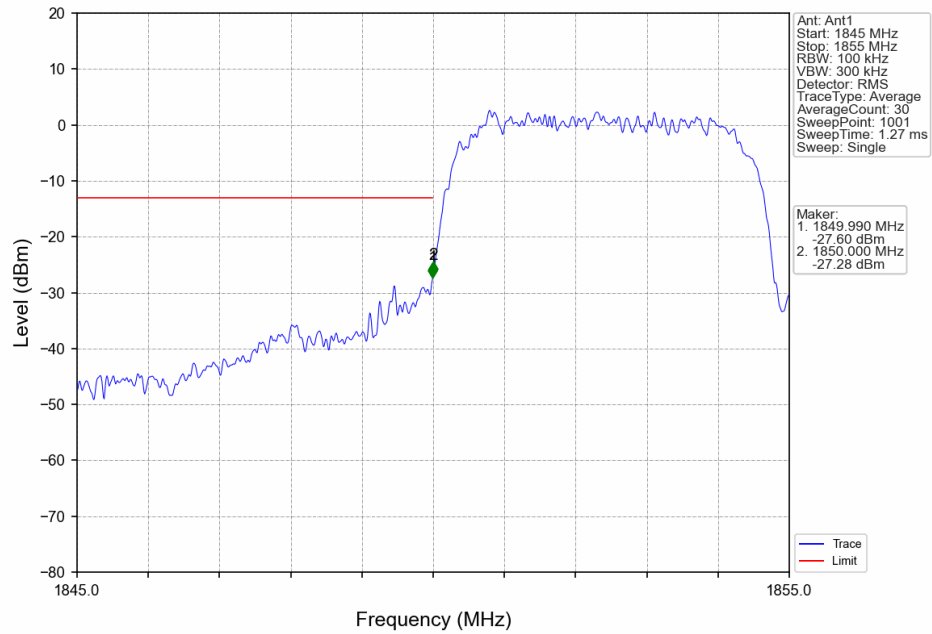
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



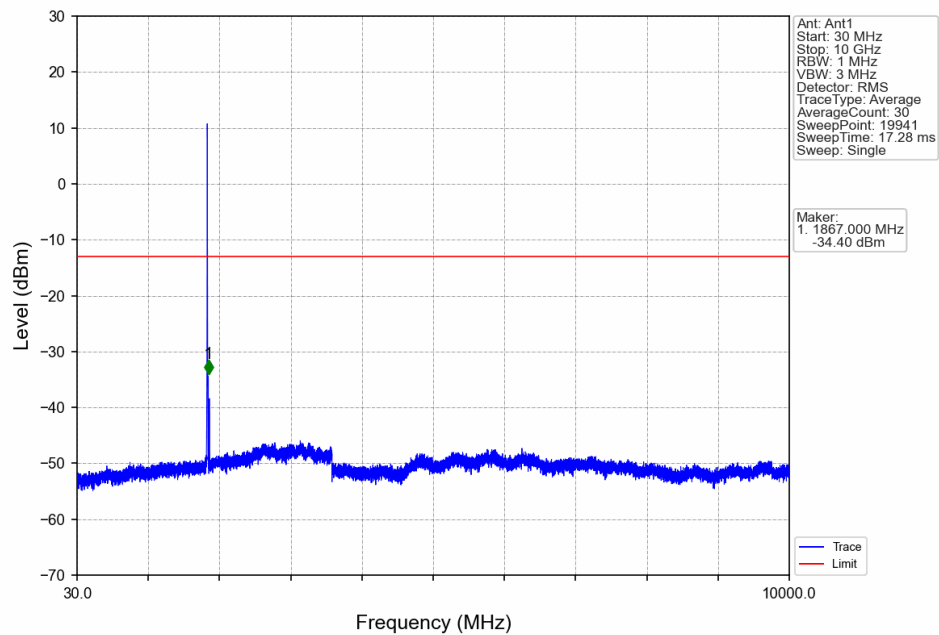
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



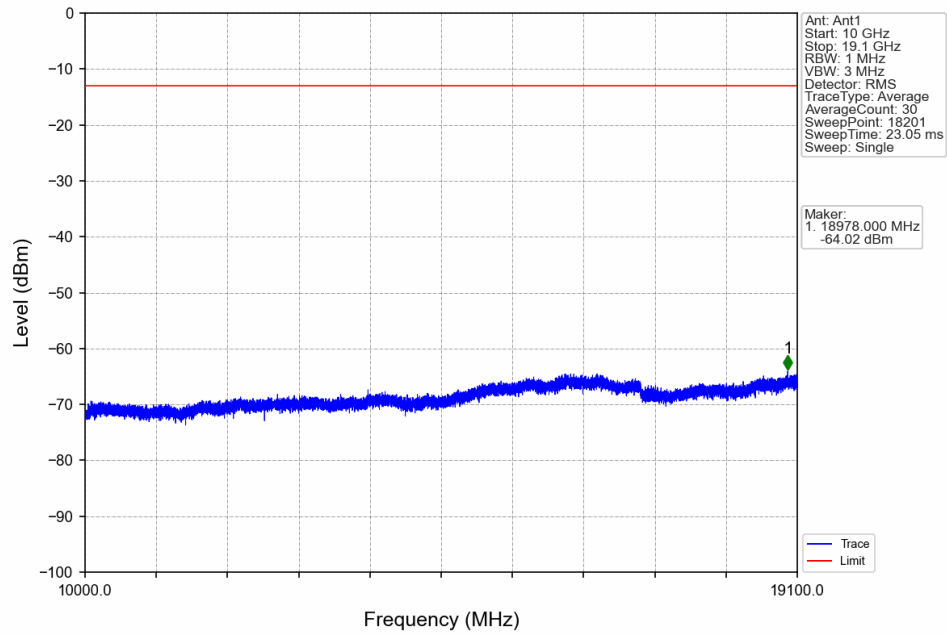
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



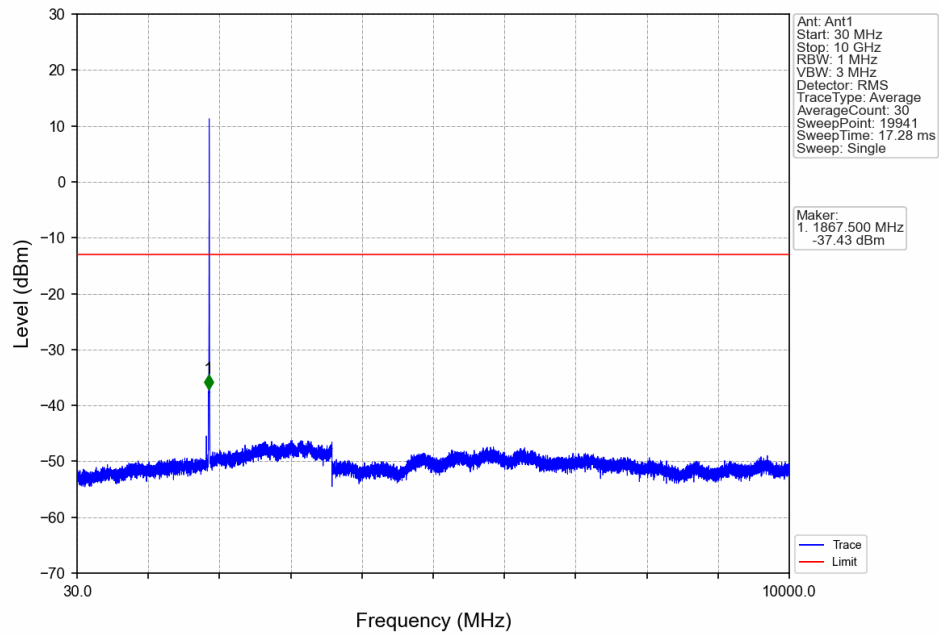
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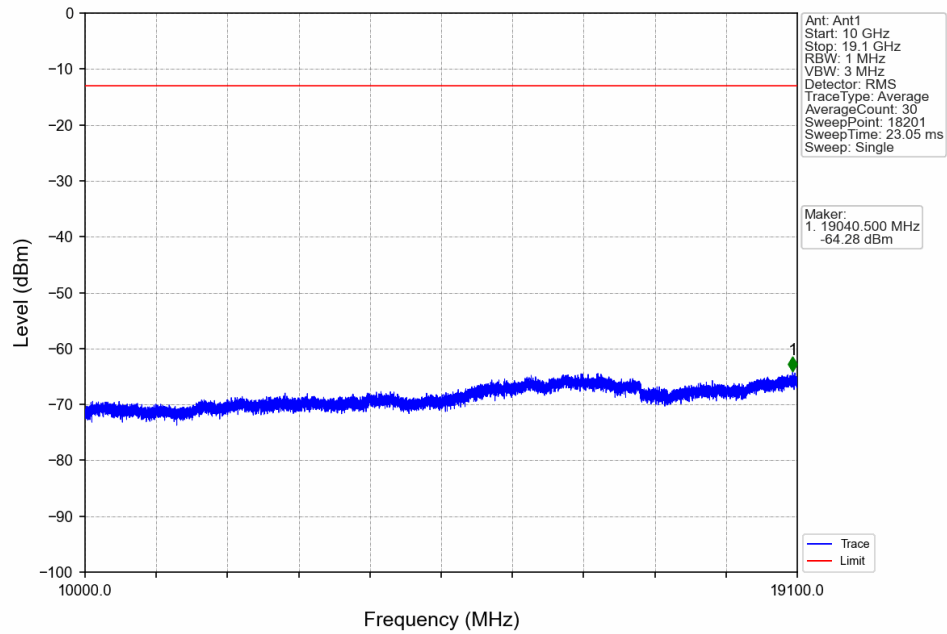
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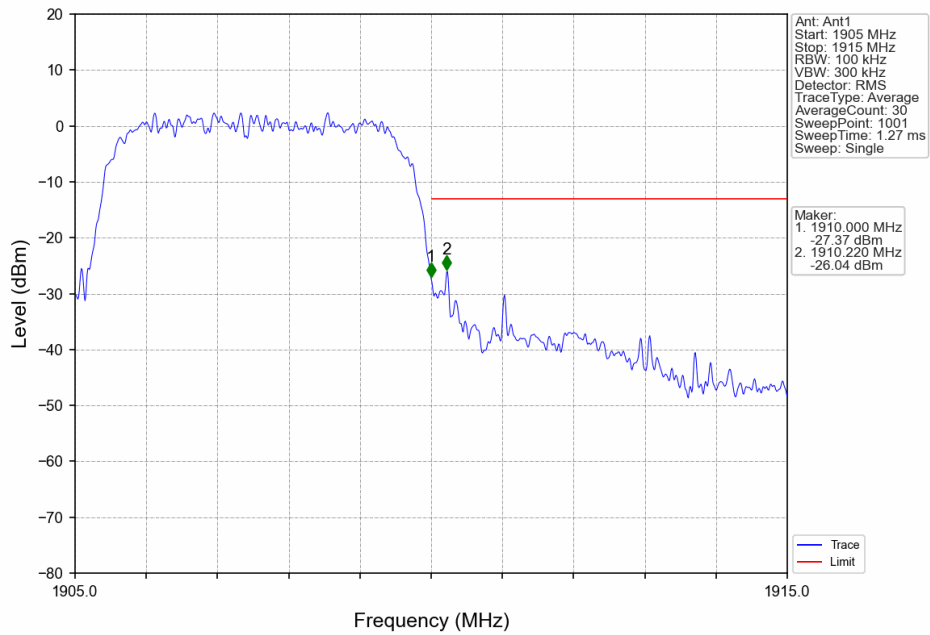
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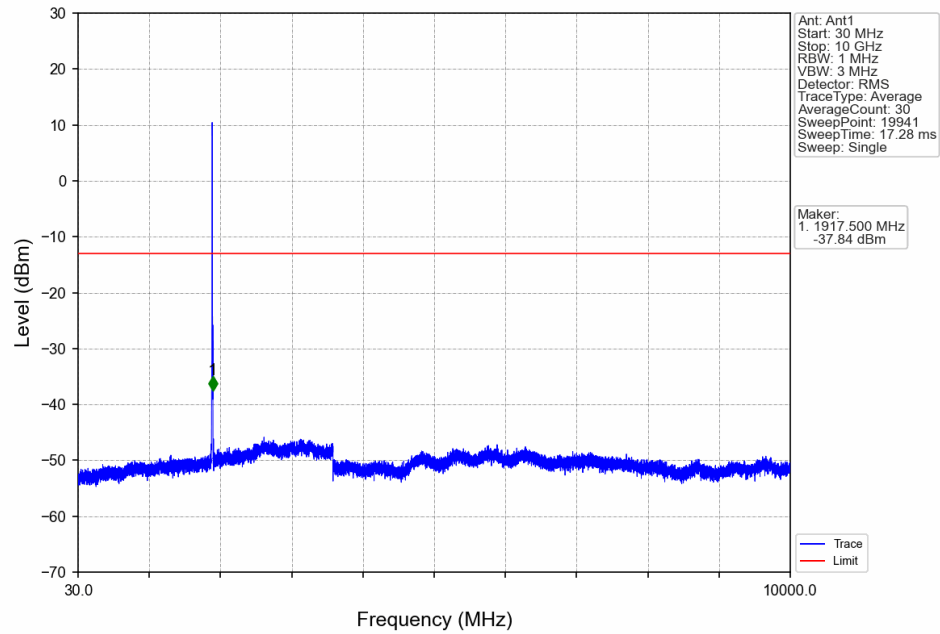
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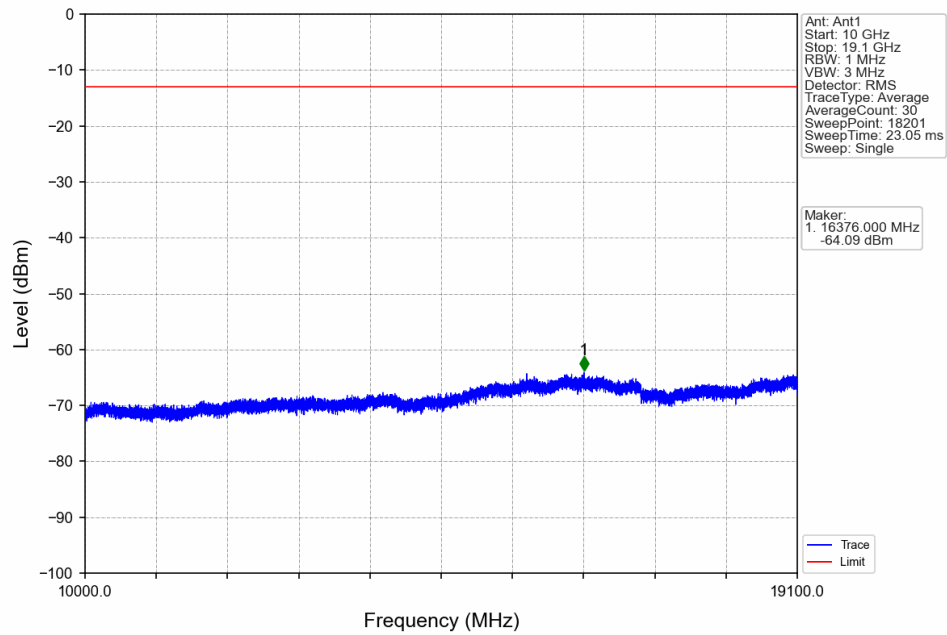
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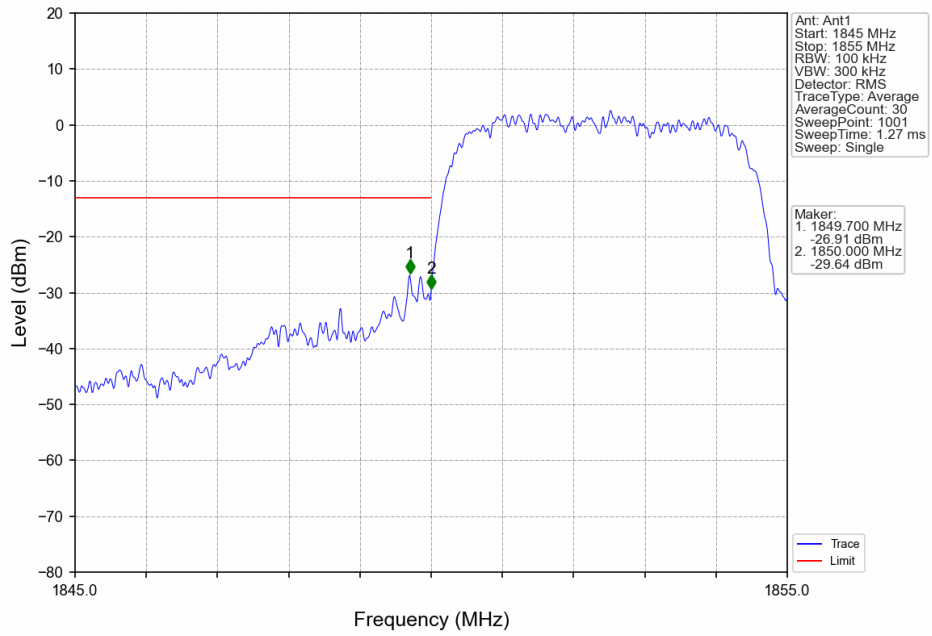
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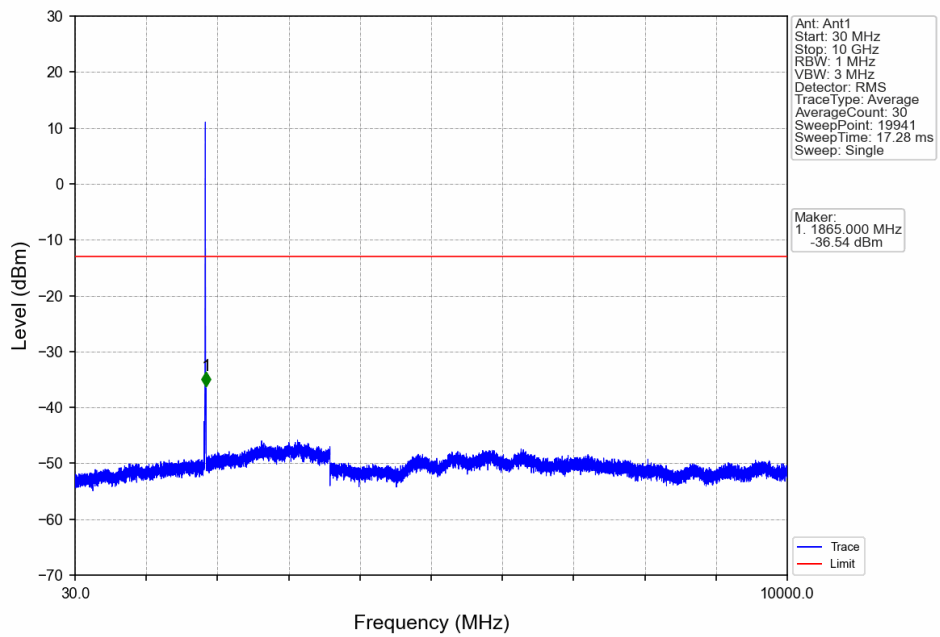
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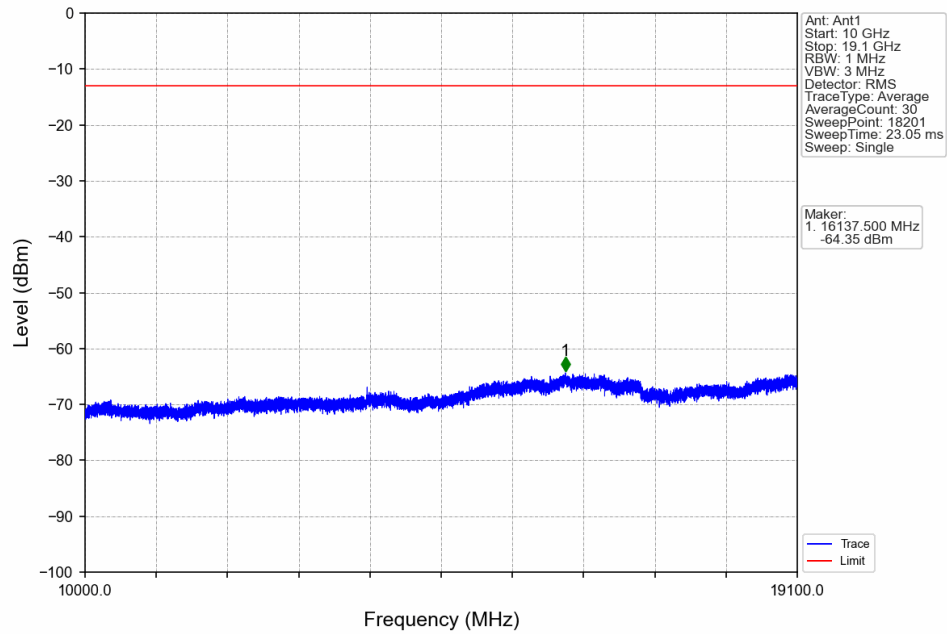
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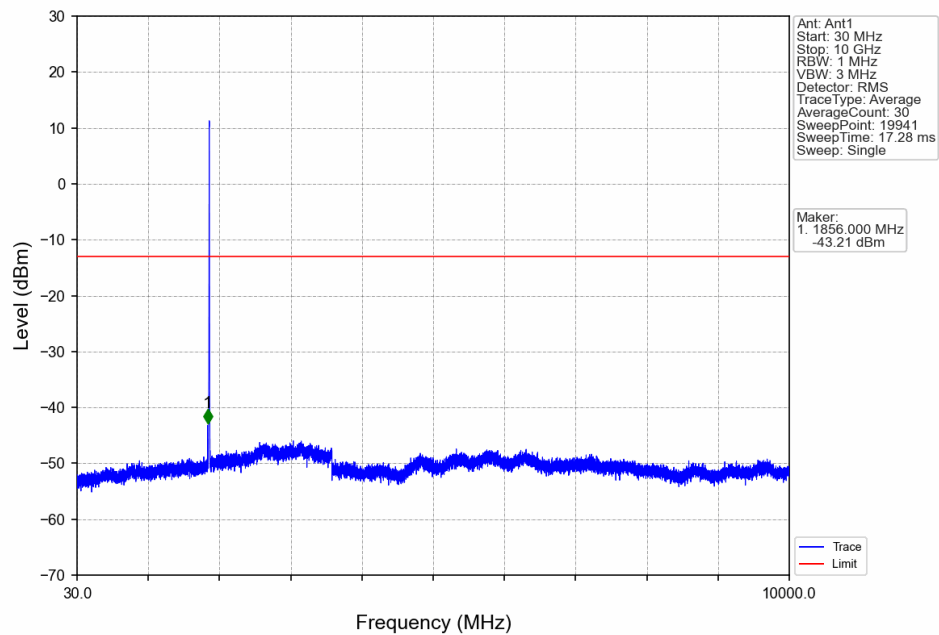
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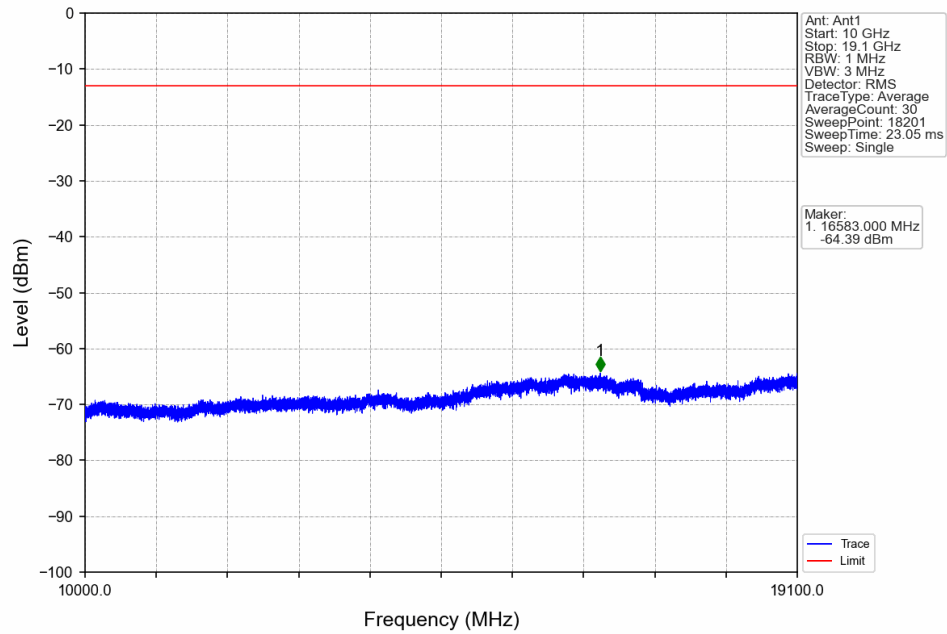
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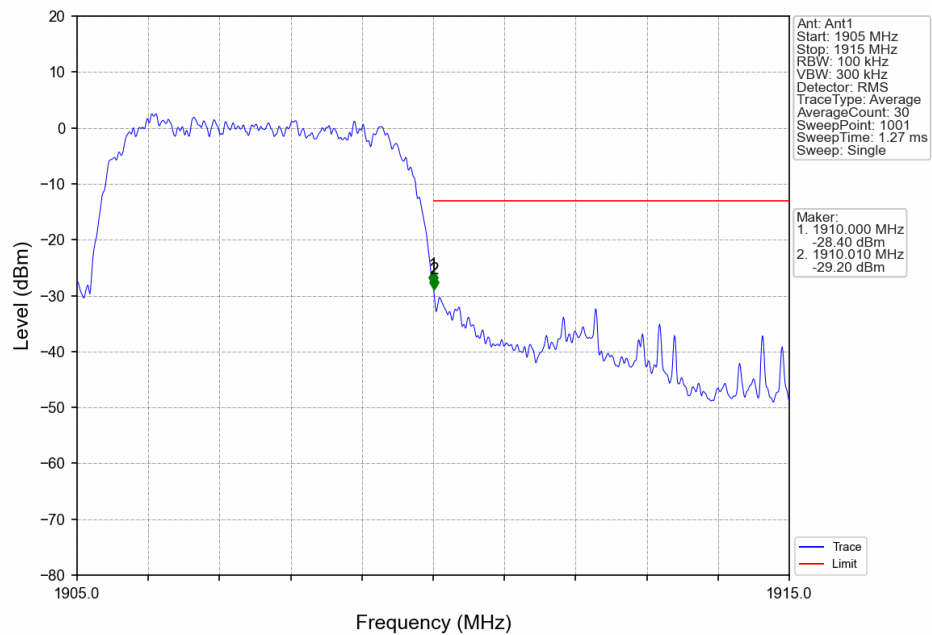
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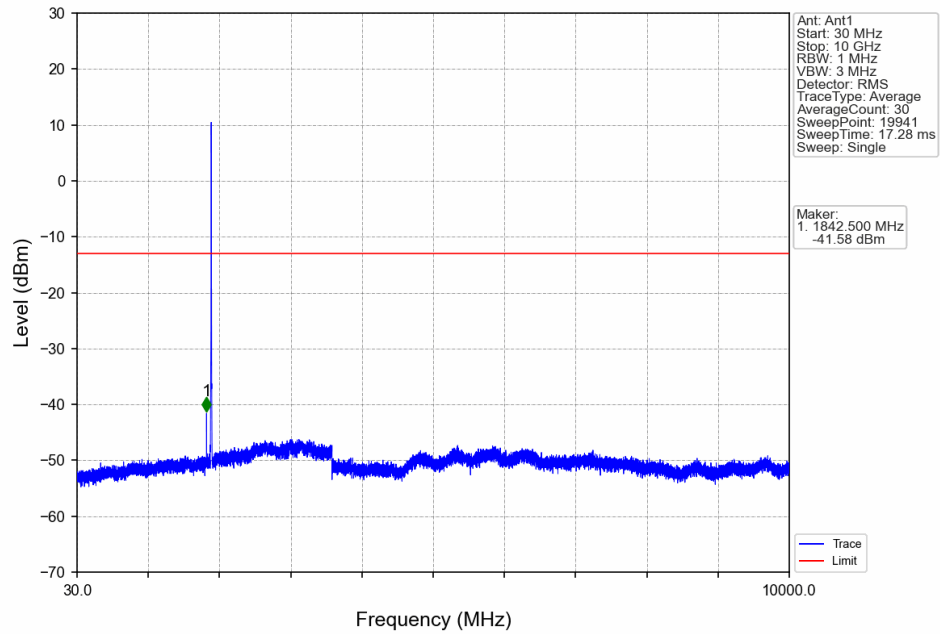
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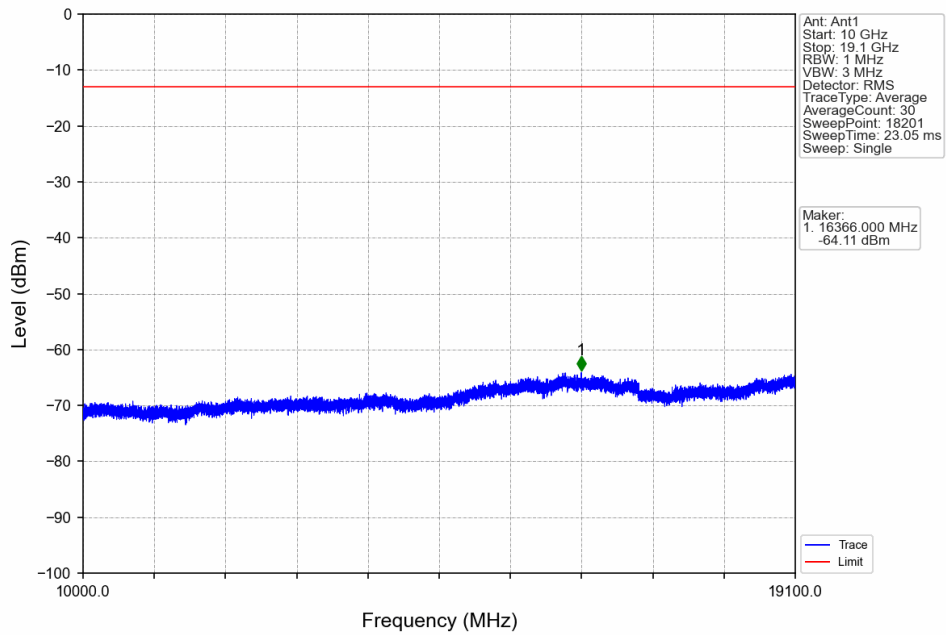
Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



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	0.1452	0.0101	ppm	4M25F9W	24E	21.62

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	0.1622	0.0101	ppm	4M25F9W	24E	22.10