

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	19.62	2.68	22.30	<=33.01	Pass
			1880	19.92	2.68	22.60	<=33.01	Pass
			1907.6	20.07	2.68	22.75	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	17.18	2.68	19.86	<=33.01	Pass
		Subtest 2	1852.4	17.19	2.68	19.87	<=33.01	Pass
		Subtest 3	1852.4	17.19	2.68	19.87	<=33.01	Pass
		Subtest 4	1852.4	17.22	2.68	19.90	<=33.01	Pass
		Subtest 1	1880	17.57	2.68	20.25	<=33.01	Pass
		Subtest 2	1880	17.57	2.68	20.25	<=33.01	Pass
		Subtest 3	1880	17.57	2.68	20.25	<=33.01	Pass
		Subtest 4	1880	17.62	2.68	20.30	<=33.01	Pass
		Subtest 1	1907.6	17.62	2.68	20.30	<=33.01	Pass
		Subtest 2	1907.6	17.60	2.68	20.28	<=33.01	Pass
		Subtest 3	1907.6	17.59	2.68	20.27	<=33.01	Pass
		Subtest 4	1907.6	17.61	2.68	20.29	<=33.01	Pass
	HSUPA	Subtest 1	1852.4	15.29	2.68	17.97	<=33.01	Pass
		Subtest 2	1852.4	15.06	2.68	17.74	<=33.01	Pass
		Subtest 3	1852.4	15.29	2.68	17.97	<=33.01	Pass
		Subtest 4	1852.4	14.78	2.68	17.46	<=33.01	Pass
		Subtest 5	1852.4	15.03	2.68	17.71	<=33.01	Pass
		Subtest 1	1880	15.61	2.68	18.29	<=33.01	Pass
		Subtest 2	1880	15.12	2.68	17.80	<=33.01	Pass
		Subtest 3	1880	15.14	2.68	17.82	<=33.01	Pass
		Subtest 4	1880	15.61	2.68	18.29	<=33.01	Pass
		Subtest 5	1880	15.42	2.68	18.10	<=33.01	Pass
		Subtest 1	1907.6	15.75	2.68	18.43	<=33.01	Pass
		Subtest 2	1907.6	15.21	2.68	17.89	<=33.01	Pass
		Subtest 3	1907.6	15.27	2.68	17.95	<=33.01	Pass
		Subtest 4	1907.6	15.75	2.68	18.43	<=33.01	Pass
		Subtest 5	1907.6	15.22	2.68	17.90	<=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	-12.968	-0.0070	-2.5 to 2.5	Pass
			3.85	-14.327	-0.0077	-2.5 to 2.5	Pass
			4.43	-16.780	-0.0091	-2.5 to 2.5	Pass
		-30	3.85	-18.568	-0.0100	-2.5 to 2.5	Pass
		-20	3.85	-14.198	-0.0077	-2.5 to 2.5	Pass

		-10	3.85	-18.382	-0.0099	-2.5 to 2.5	Pass	
		0	3.85	-18.168	-0.0098	-2.5 to 2.5	Pass	
		10	3.85	-12.295	-0.0066	-2.5 to 2.5	Pass	
		30	3.85	-15.242	-0.0082	-2.5 to 2.5	Pass	
		40	3.85	-16.980	-0.0092	-2.5 to 2.5	Pass	
		50	3.85	-15.500	-0.0084	-2.5 to 2.5	Pass	
	1880	20	3.27	-10.958	-0.0058	-2.5 to 2.5	Pass	
			3.85	-16.165	-0.0086	-2.5 to 2.5	Pass	
			4.43	-9.756	-0.0052	-2.5 to 2.5	Pass	
		-30	3.85	-14.248	-0.0076	-2.5 to 2.5	Pass	
		-20	3.85	-17.216	-0.0092	-2.5 to 2.5	Pass	
		-10	3.85	-17.703	-0.0094	-2.5 to 2.5	Pass	
		0	3.85	-8.669	-0.0046	-2.5 to 2.5	Pass	
		10	3.85	-12.224	-0.0065	-2.5 to 2.5	Pass	
		30	3.85	-16.651	-0.0089	-2.5 to 2.5	Pass	
		40	3.85	-19.376	-0.0103	-2.5 to 2.5	Pass	
		50	3.85	-15.063	-0.0080	-2.5 to 2.5	Pass	
	1907.6	20	3.27	-10.815	-0.0057	-2.5 to 2.5	Pass	
			3.85	-9.570	-0.0050	-2.5 to 2.5	Pass	
			4.43	-11.530	-0.0060	-2.5 to 2.5	Pass	
		-30	3.85	-14.291	-0.0075	-2.5 to 2.5	Pass	
		-20	3.85	-19.298	-0.0101	-2.5 to 2.5	Pass	
		-10	3.85	-14.176	-0.0074	-2.5 to 2.5	Pass	
		0	3.85	-12.295	-0.0064	-2.5 to 2.5	Pass	
		10	3.85	-16.923	-0.0089	-2.5 to 2.5	Pass	
		30	3.85	-14.062	-0.0074	-2.5 to 2.5	Pass	
		40	3.85	-12.910	-0.0068	-2.5 to 2.5	Pass	
		50	3.85	-18.568	-0.0097	-2.5 to 2.5	Pass	
	HSDPA	1852.4	20	3.27	-21.915	-0.0118	-2.5 to 2.5	Pass
				3.85	-18.682	-0.0101	-2.5 to 2.5	Pass
				4.43	-21.007	-0.0113	-2.5 to 2.5	Pass
			-30	3.85	-19.512	-0.0105	-2.5 to 2.5	Pass
-20			3.85	-16.844	-0.0091	-2.5 to 2.5	Pass	
-10			3.85	-15.371	-0.0083	-2.5 to 2.5	Pass	
0			3.85	-20.514	-0.0111	-2.5 to 2.5	Pass	
10			3.85	-16.301	-0.0088	-2.5 to 2.5	Pass	
30			3.85	-18.790	-0.0101	-2.5 to 2.5	Pass	
40			3.85	-17.180	-0.0093	-2.5 to 2.5	Pass	
50			3.85	-15.514	-0.0084	-2.5 to 2.5	Pass	
1880		20	3.27	-10.965	-0.0058	-2.5 to 2.5	Pass	
			3.85	-6.087	-0.0032	-2.5 to 2.5	Pass	
			4.43	-10.865	-0.0058	-2.5 to 2.5	Pass	
		-30	3.85	-10.915	-0.0058	-2.5 to 2.5	Pass	
		-20	3.85	-8.926	-0.0047	-2.5 to 2.5	Pass	
		-10	3.85	-6.981	-0.0037	-2.5 to 2.5	Pass	
		0	3.85	-11.065	-0.0059	-2.5 to 2.5	Pass	
		10	3.85	-8.218	-0.0044	-2.5 to 2.5	Pass	
		30	3.85	-7.167	-0.0038	-2.5 to 2.5	Pass	
		40	3.85	-5.486	-0.0029	-2.5 to 2.5	Pass	
		50	3.85	-7.310	-0.0039	-2.5 to 2.5	Pass	
1907.6		20	3.27	-18.632	-0.0098	-2.5 to 2.5	Pass	
			3.85	-13.161	-0.0069	-2.5 to 2.5	Pass	
			4.43	-16.437	-0.0086	-2.5 to 2.5	Pass	
		-30	3.85	-16.809	-0.0088	-2.5 to 2.5	Pass	
		-20	3.85	-15.771	-0.0083	-2.5 to 2.5	Pass	
		-10	3.85	-18.017	-0.0094	-2.5 to 2.5	Pass	
		0	3.85	-16.015	-0.0084	-2.5 to 2.5	Pass	
		10	3.85	-17.474	-0.0092	-2.5 to 2.5	Pass	
30		3.85	-16.608	-0.0087	-2.5 to 2.5	Pass		

HSUPA		40	3.85	-14.584	-0.0076	-2.5 to 2.5	Pass
		50	3.85	-22.717	-0.0119	-2.5 to 2.5	Pass
		20	3.27	-9.921	-0.0054	-2.5 to 2.5	Pass
			3.85	-10.543	-0.0057	-2.5 to 2.5	Pass
			4.43	-10.343	-0.0056	-2.5 to 2.5	Pass
		-30	3.85	-12.760	-0.0069	-2.5 to 2.5	Pass
		-20	3.85	-15.471	-0.0084	-2.5 to 2.5	Pass
		-10	3.85	-9.277	-0.0050	-2.5 to 2.5	Pass
		0	3.85	-11.101	-0.0060	-2.5 to 2.5	Pass
		10	3.85	-13.475	-0.0073	-2.5 to 2.5	Pass
		30	3.85	-13.411	-0.0072	-2.5 to 2.5	Pass
		40	3.85	-9.398	-0.0051	-2.5 to 2.5	Pass
		50	3.85	-10.636	-0.0057	-2.5 to 2.5	Pass
	1880	20	3.27	-11.916	-0.0063	-2.5 to 2.5	Pass
			3.85	-15.271	-0.0081	-2.5 to 2.5	Pass
			4.43	-14.277	-0.0076	-2.5 to 2.5	Pass
		-30	3.85	-13.304	-0.0071	-2.5 to 2.5	Pass
		-20	3.85	-12.224	-0.0065	-2.5 to 2.5	Pass
		-10	3.85	-12.782	-0.0068	-2.5 to 2.5	Pass
		0	3.85	-11.687	-0.0062	-2.5 to 2.5	Pass
		10	3.85	-14.591	-0.0078	-2.5 to 2.5	Pass
		30	3.85	-12.689	-0.0067	-2.5 to 2.5	Pass
		40	3.85	-10.450	-0.0056	-2.5 to 2.5	Pass
		50	3.85	-14.498	-0.0077	-2.5 to 2.5	Pass
	1907.6	20	3.27	-11.408	-0.0060	-2.5 to 2.5	Pass
			3.85	-15.550	-0.0082	-2.5 to 2.5	Pass
			4.43	-8.490	-0.0045	-2.5 to 2.5	Pass
		-30	3.85	-9.949	-0.0052	-2.5 to 2.5	Pass
		-20	3.85	-12.681	-0.0066	-2.5 to 2.5	Pass
		-10	3.85	-16.022	-0.0084	-2.5 to 2.5	Pass
		0	3.85	-10.972	-0.0058	-2.5 to 2.5	Pass
		10	3.85	-13.855	-0.0073	-2.5 to 2.5	Pass
		30	3.85	-11.523	-0.0060	-2.5 to 2.5	Pass
		40	3.85	-9.871	-0.0052	-2.5 to 2.5	Pass
		50	3.85	-17.431	-0.0091	-2.5 to 2.5	Pass

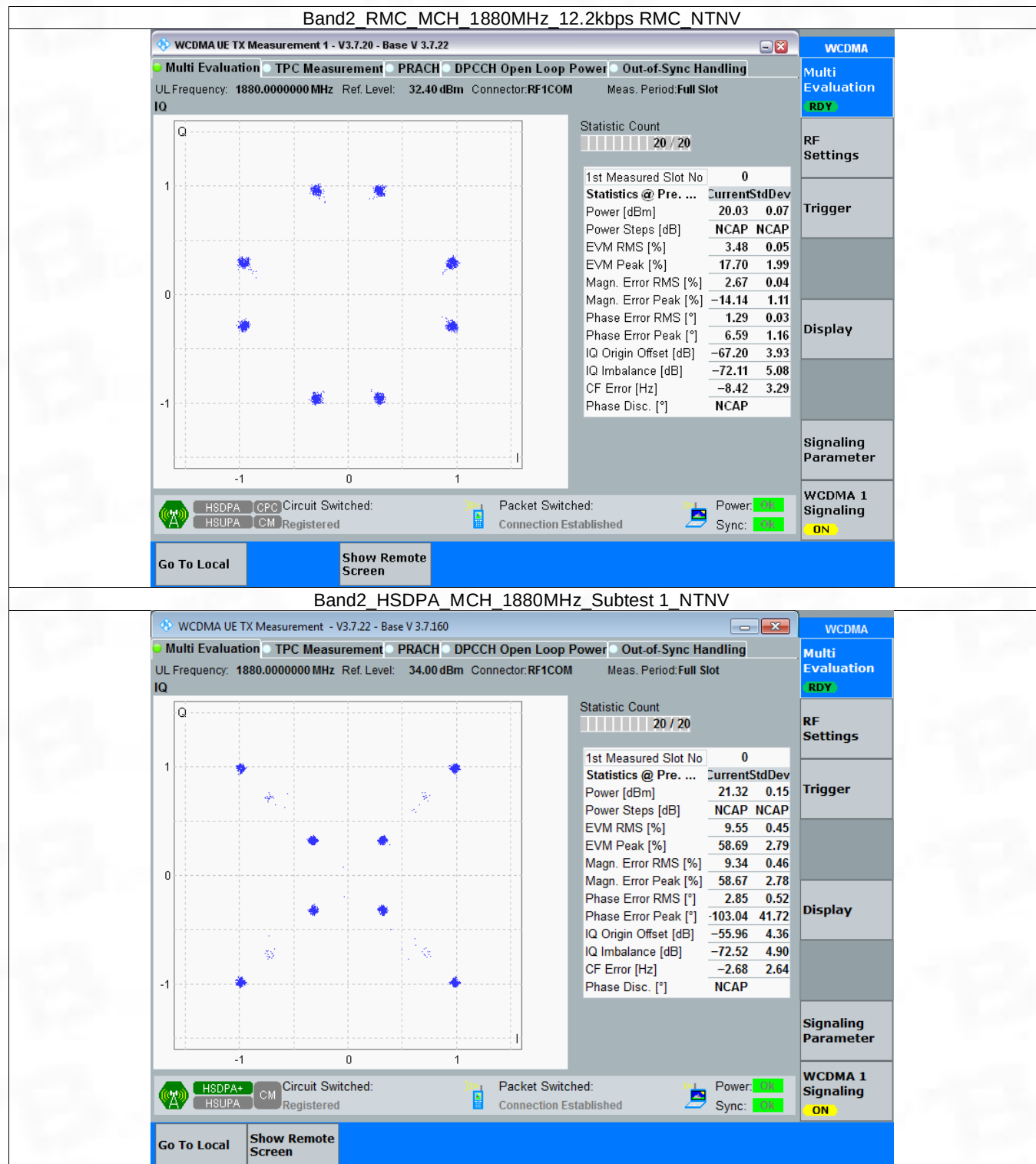
3. Modulation Characteristics

3.1 Band2

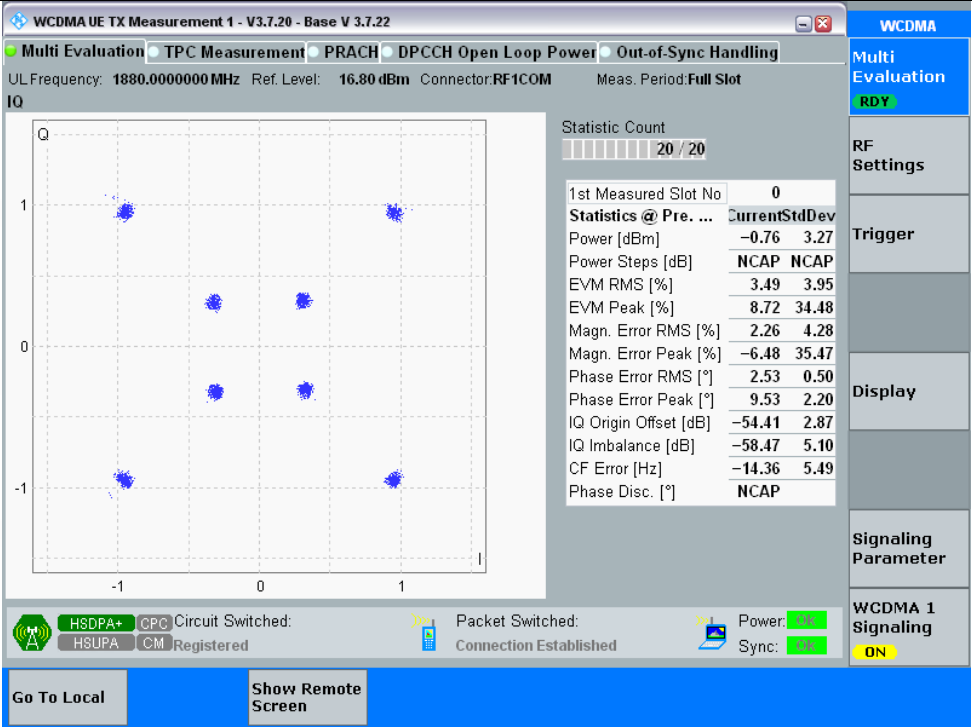
3.1.1 Test Result

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



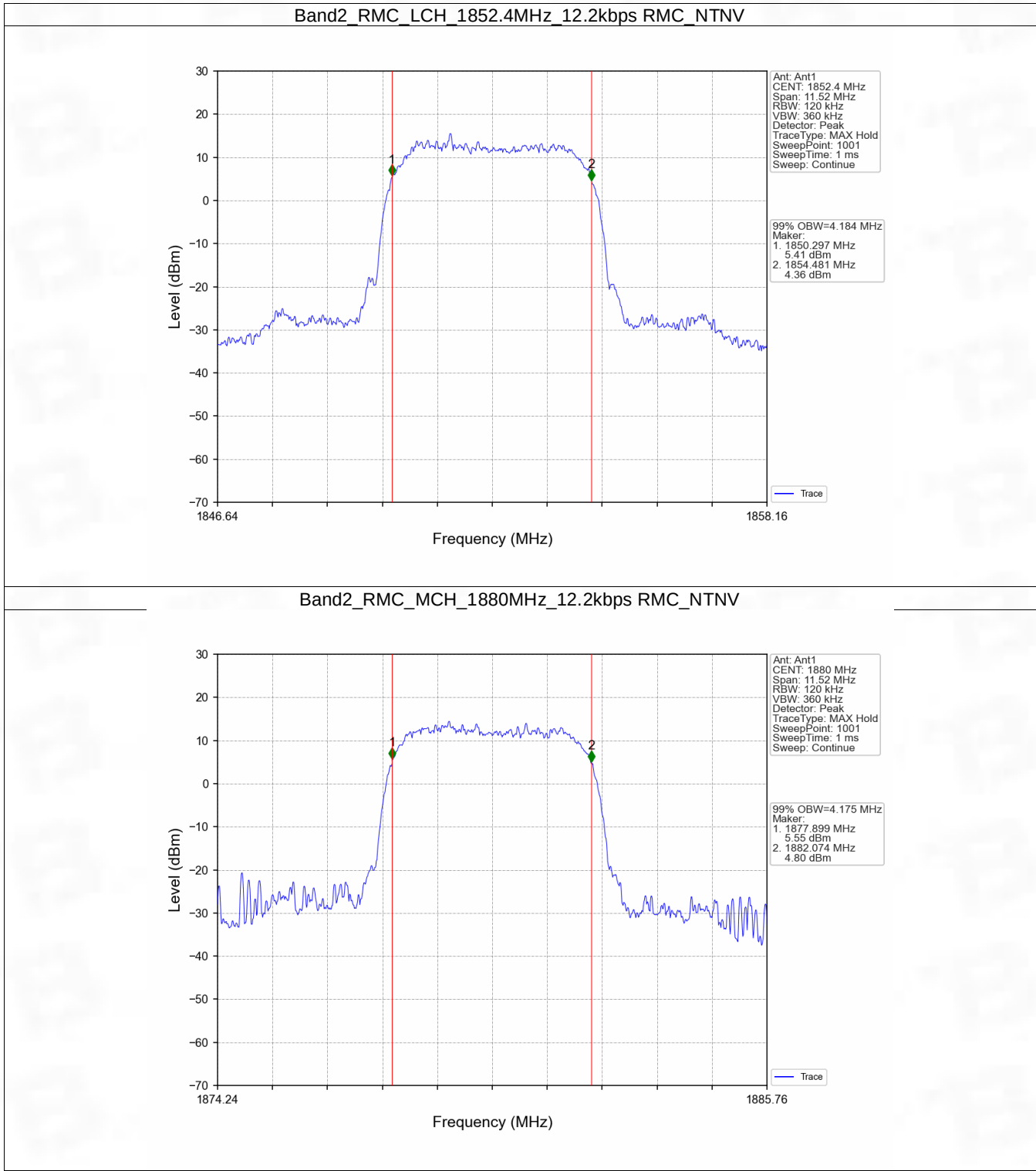
4. 99% & 26dB Bandwidth

4.1 Band2_OBW

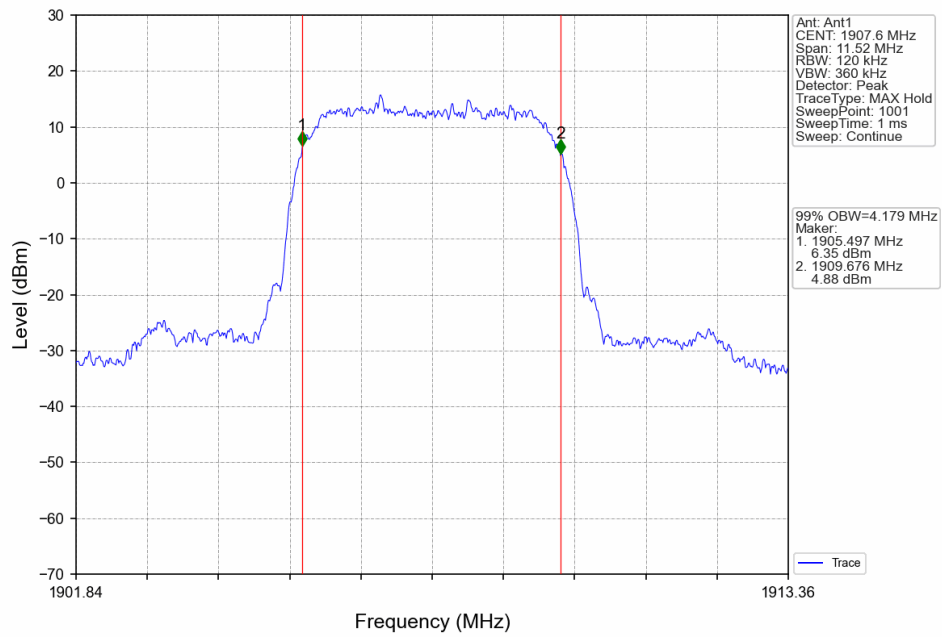
4.1.1 Test Result

Band: 2					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.184	Pass
			1880	4.175	Pass
			1907.6	4.179	Pass
	HSDPA	Subtest 1	1852.4	4.244	Pass
			1880	4.247	Pass
			1907.6	4.249	Pass
	HSUPA	Subtest 1	1852.4	4.241	Pass
			1880	4.213	Pass
			1907.6	4.241	Pass

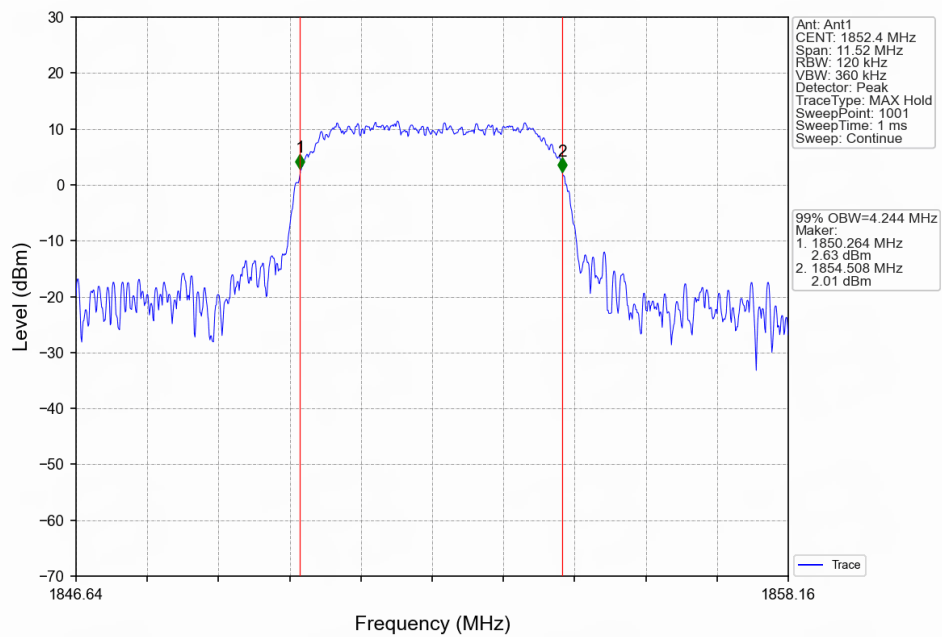
4.1.2 Test Graph



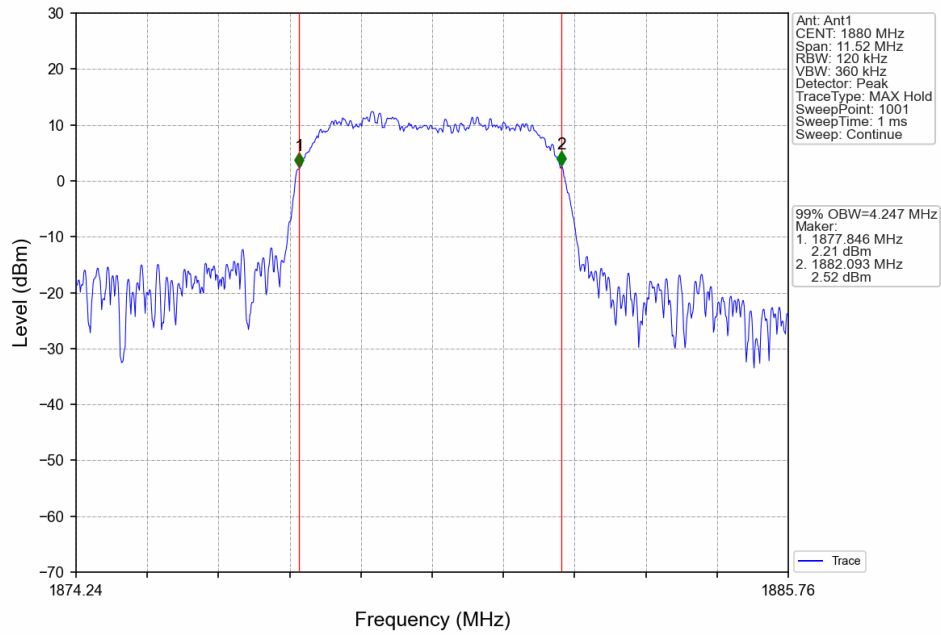
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



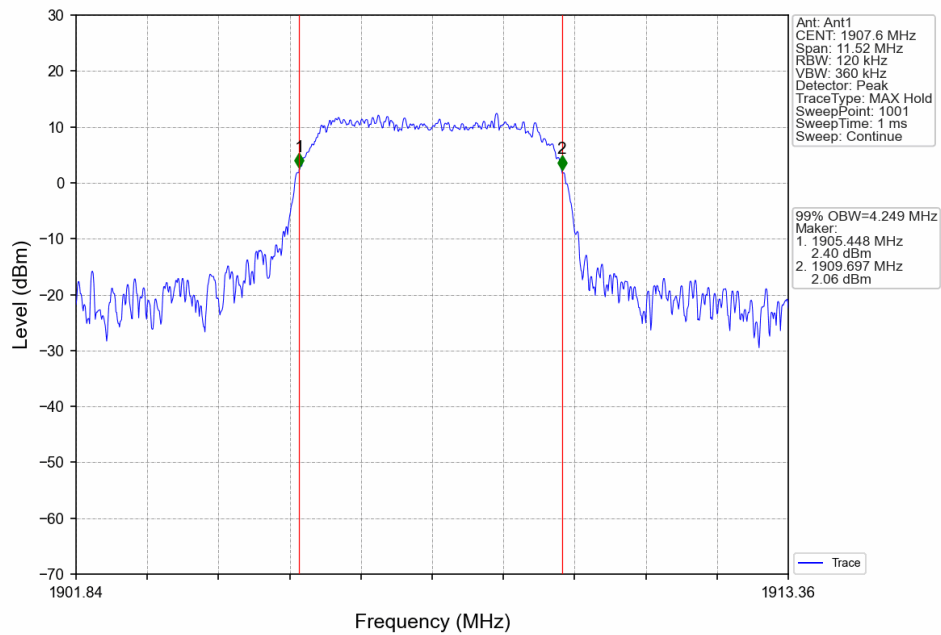
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



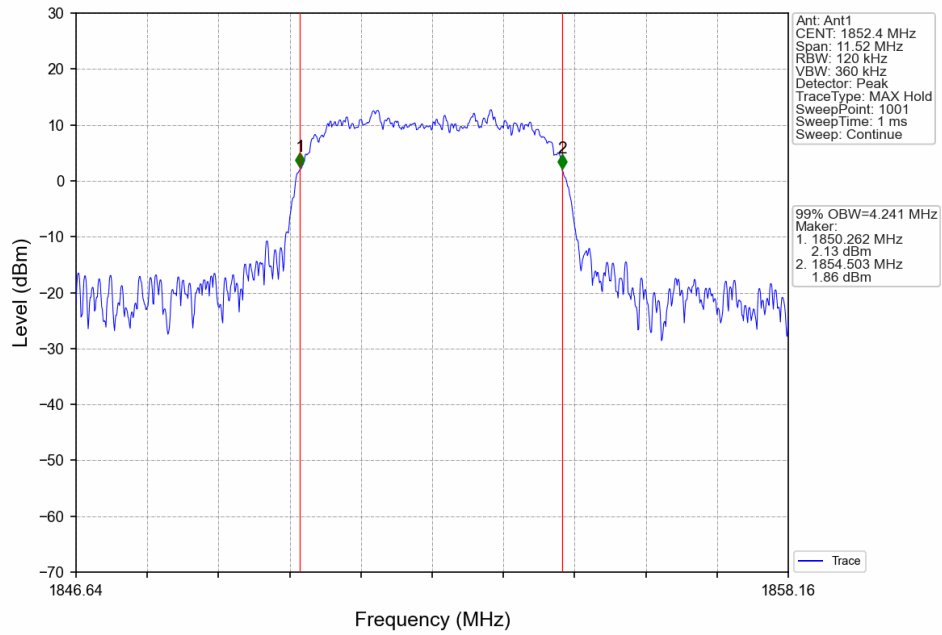
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



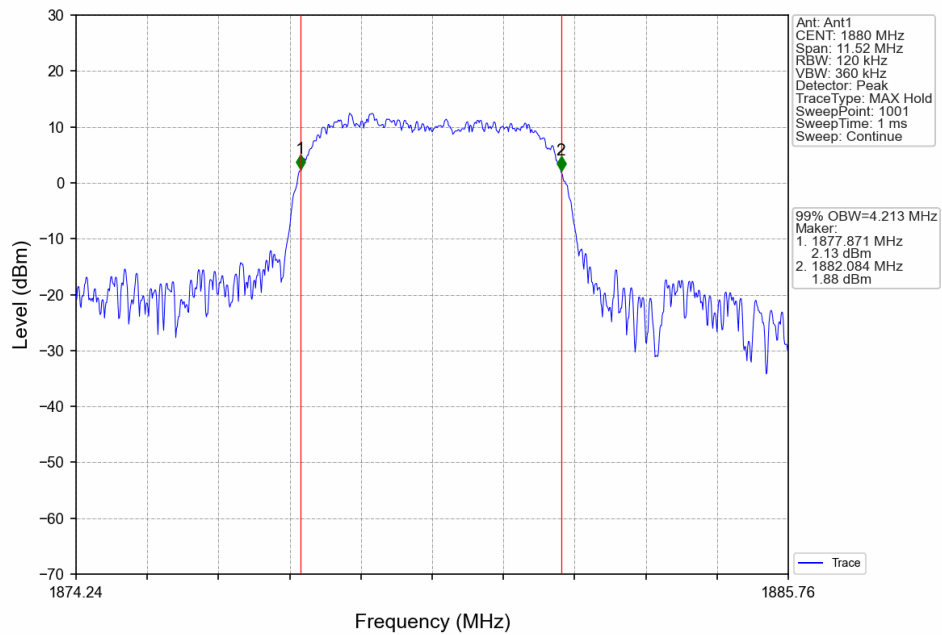
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



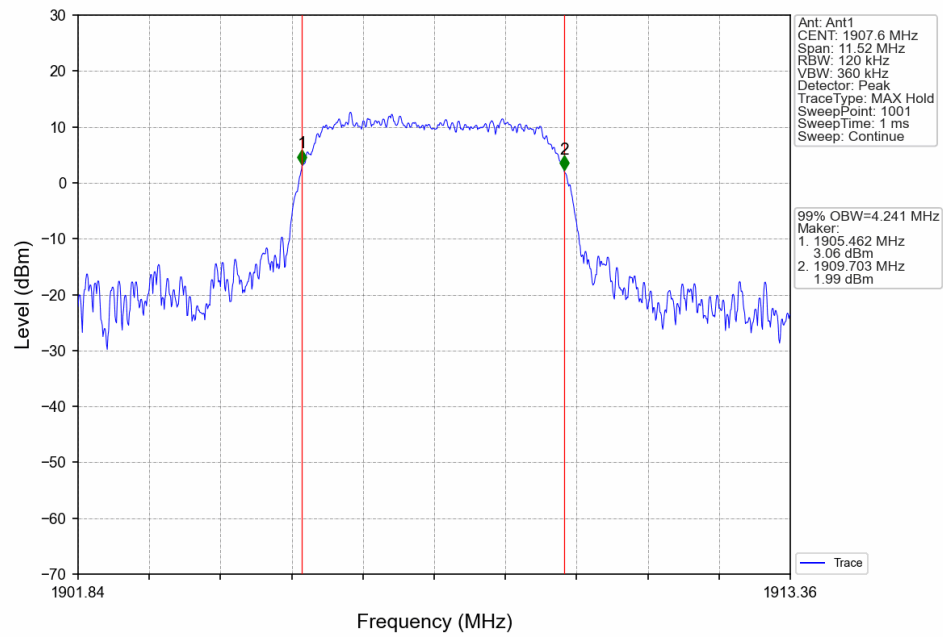
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

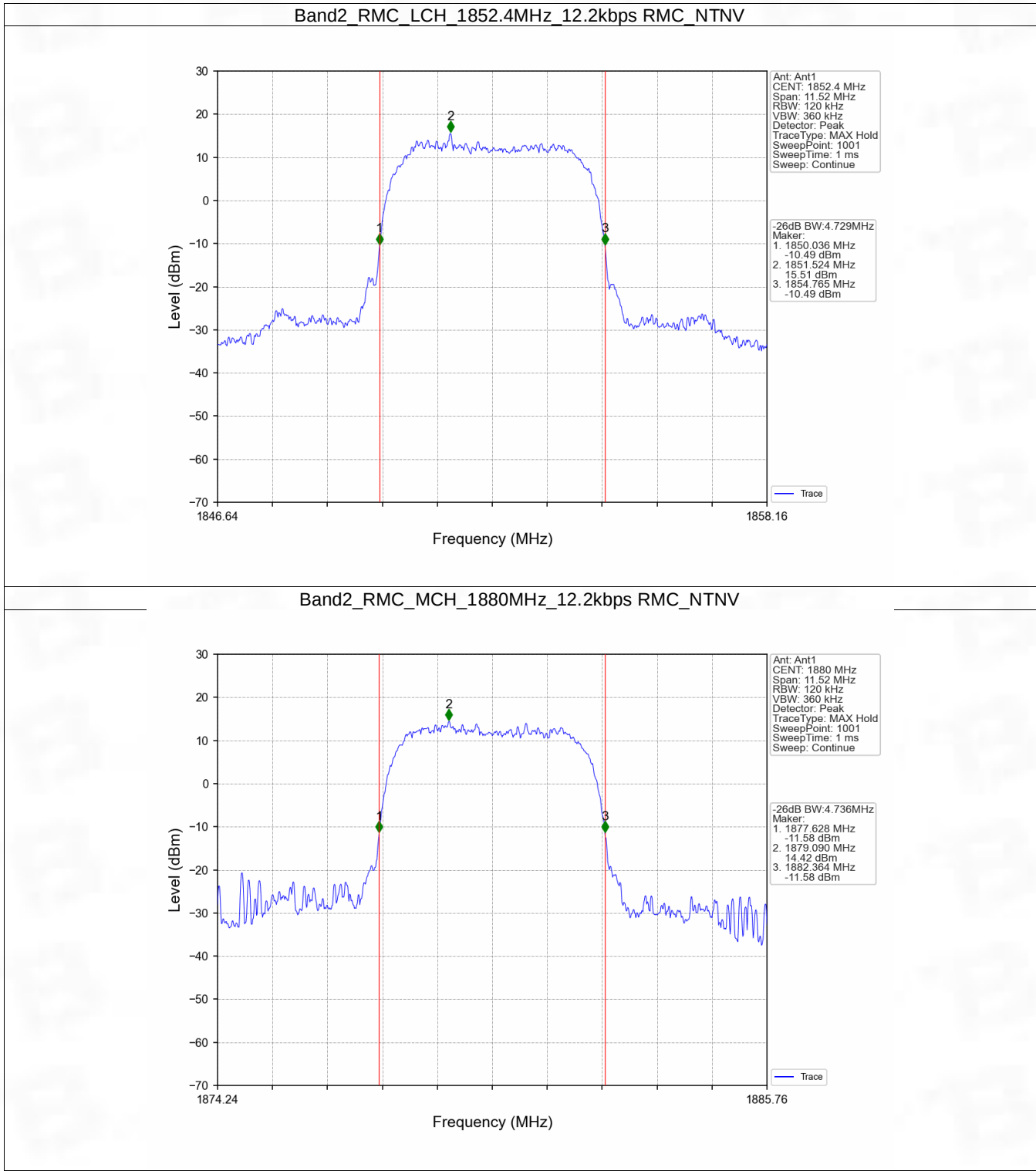


4.2 Band2_XDB

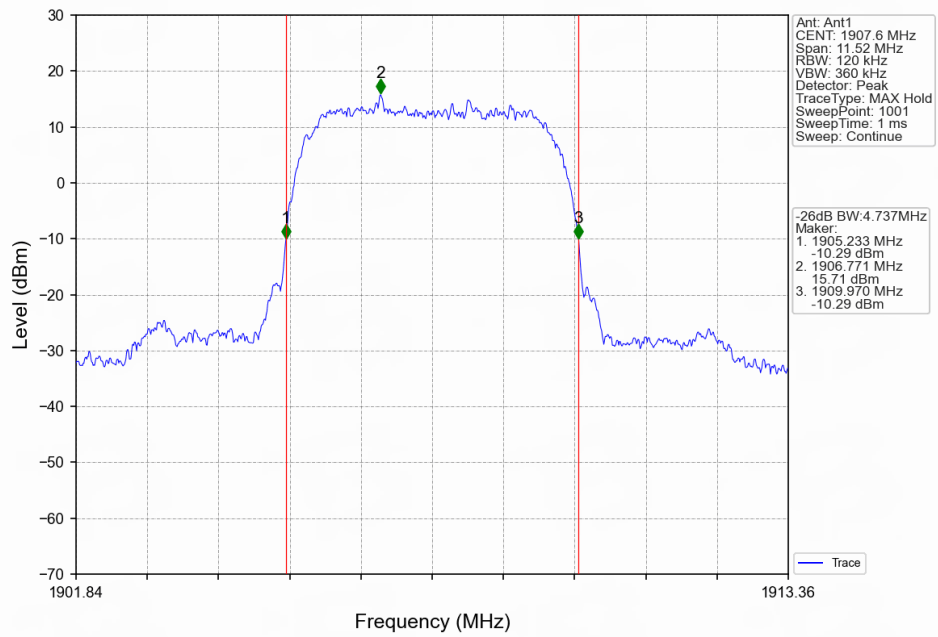
4.2.1 Test Result

Band: 2					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.729	Pass
			1880	4.736	Pass
			1907.6	4.737	Pass
	HSDPA	Subtest 1	1852.4	5.849	Pass
			1880	5.595	Pass
			1907.6	5.368	Pass
	HSUPA	Subtest 1	1852.4	5.261	Pass
			1880	5.132	Pass
			1907.6	5.611	Pass

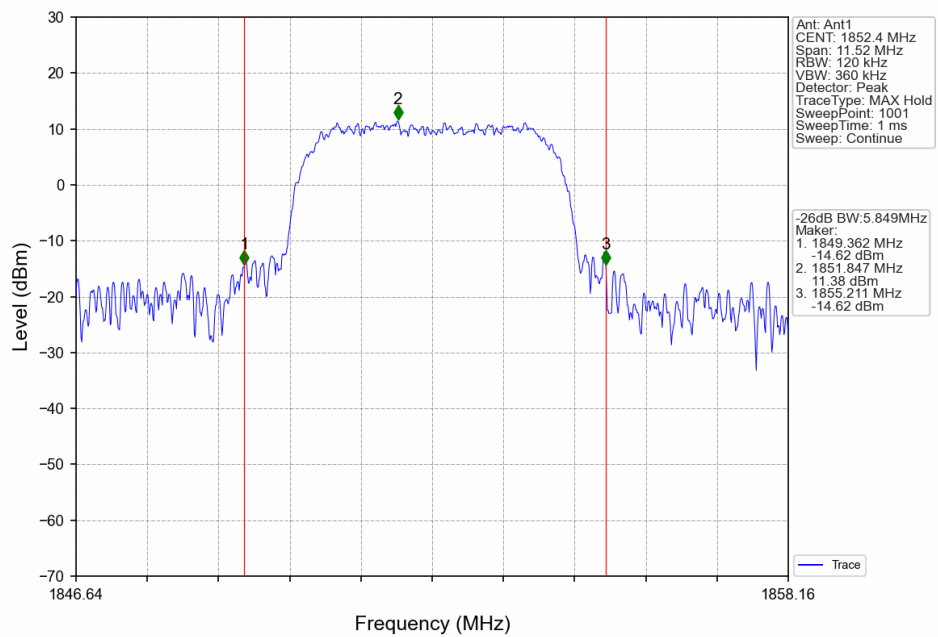
4.2.2 Test Graph



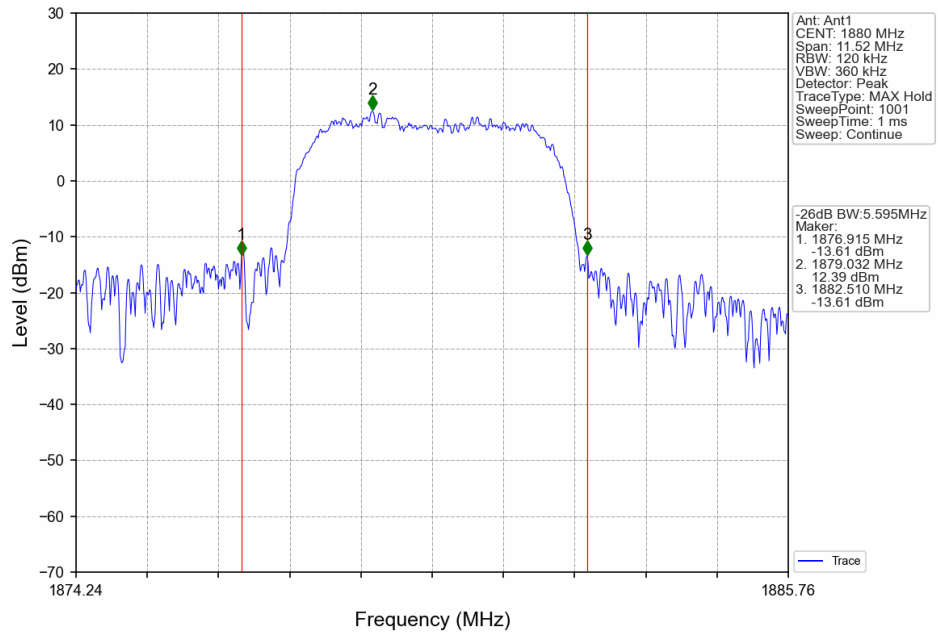
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



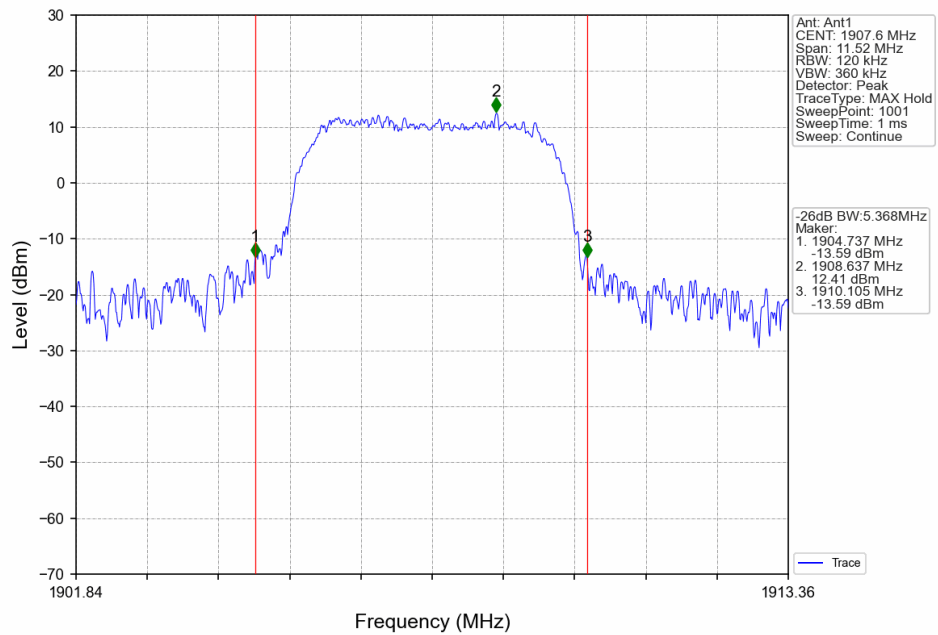
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



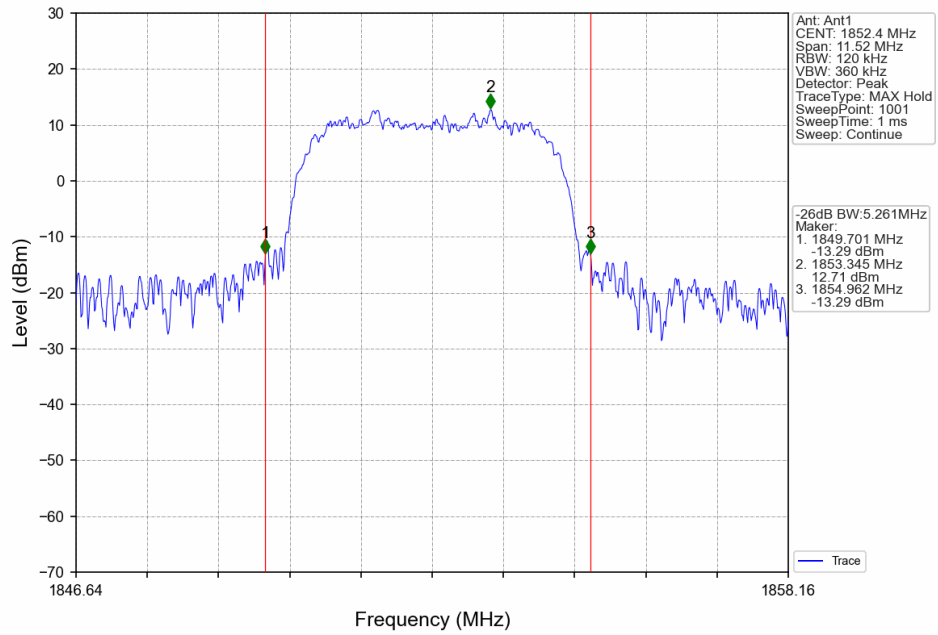
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



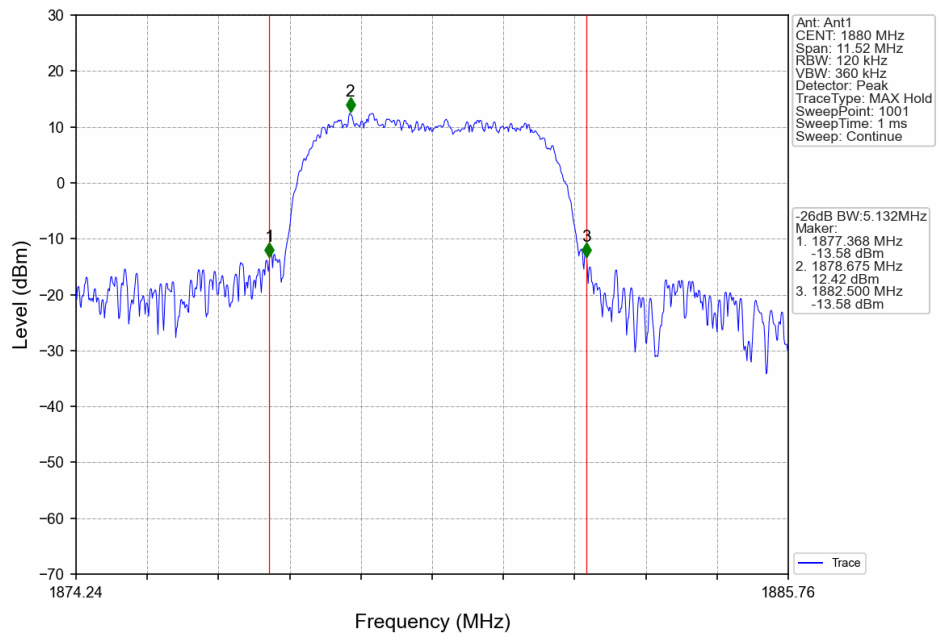
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



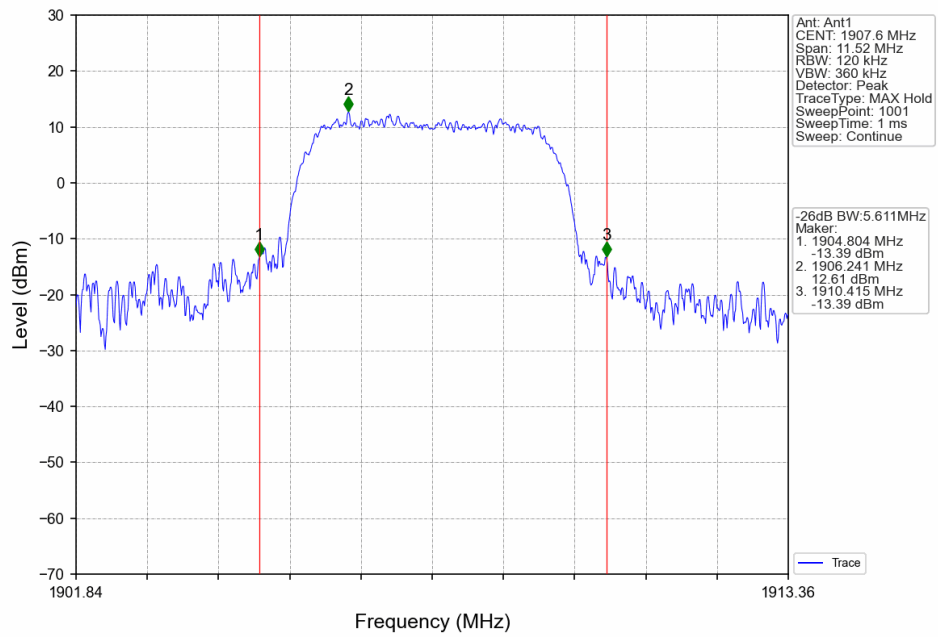
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



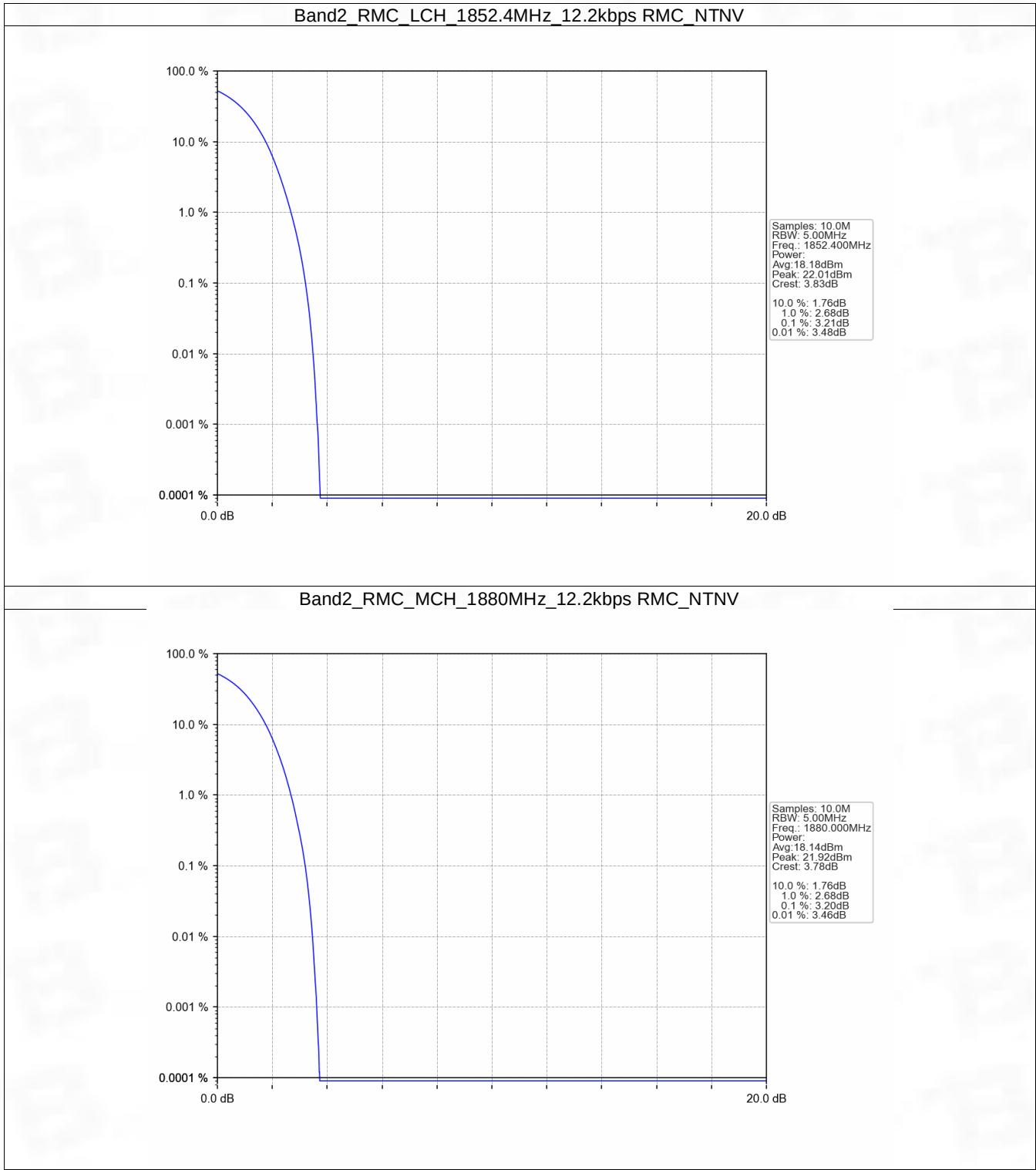
5. Peak-Average Ratio

5.1 Band2

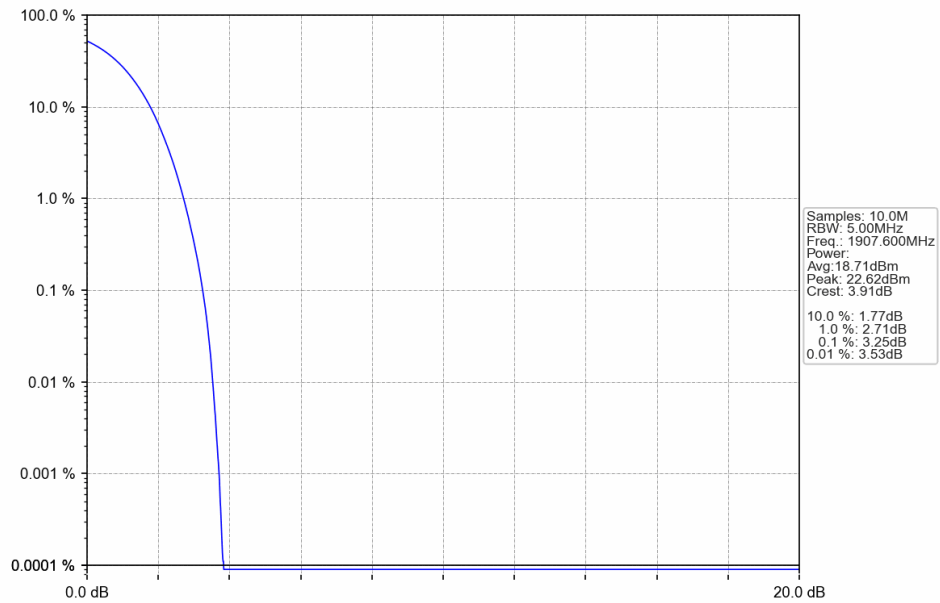
5.1.1 Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.21	<=13	Pass
			1880	3.20	<=13	Pass
			1907.6	3.25	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.93	<=13	Pass
			1880	6.19	<=13	Pass
			1907.6	6.37	<=13	Pass
	HSUPA	Subtest 1	1852.4	6.33	<=13	Pass
			1880	6.30	<=13	Pass
			1907.6	6.23	<=13	Pass

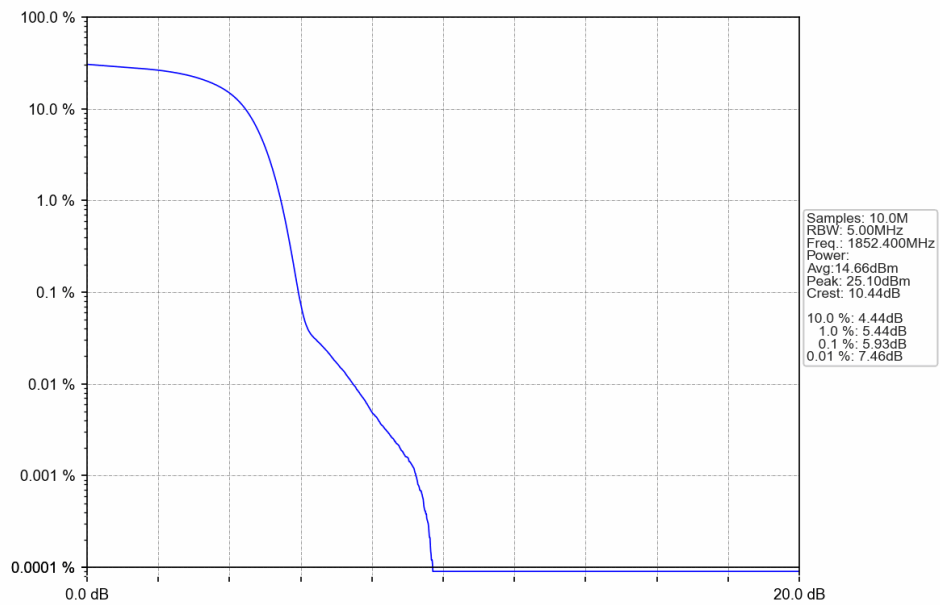
5.1.2 Test Graph



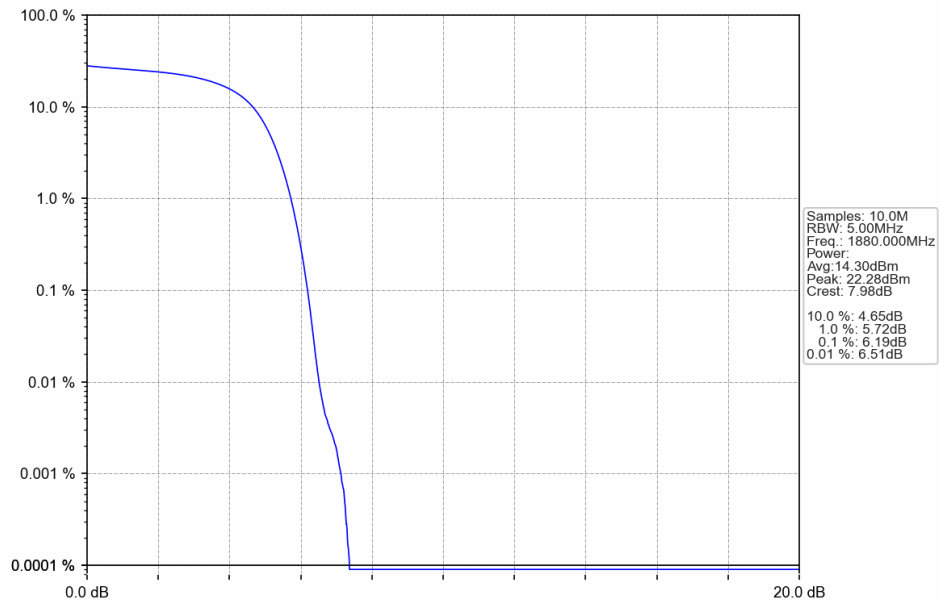
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



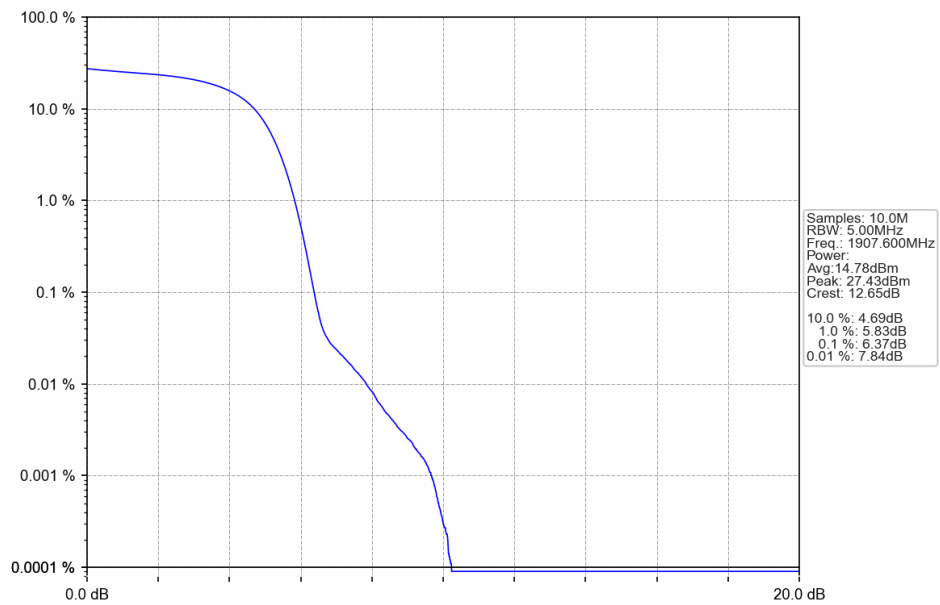
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



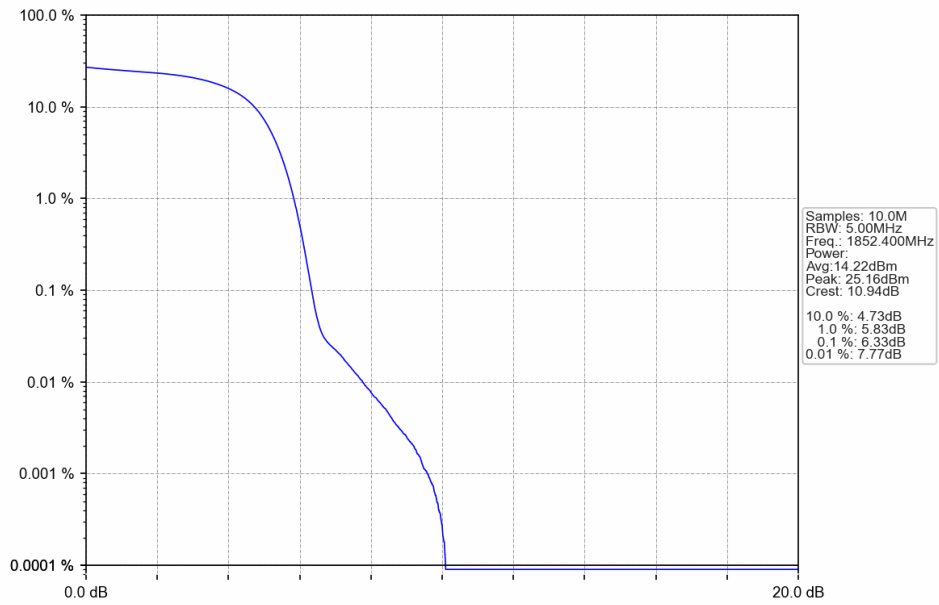
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



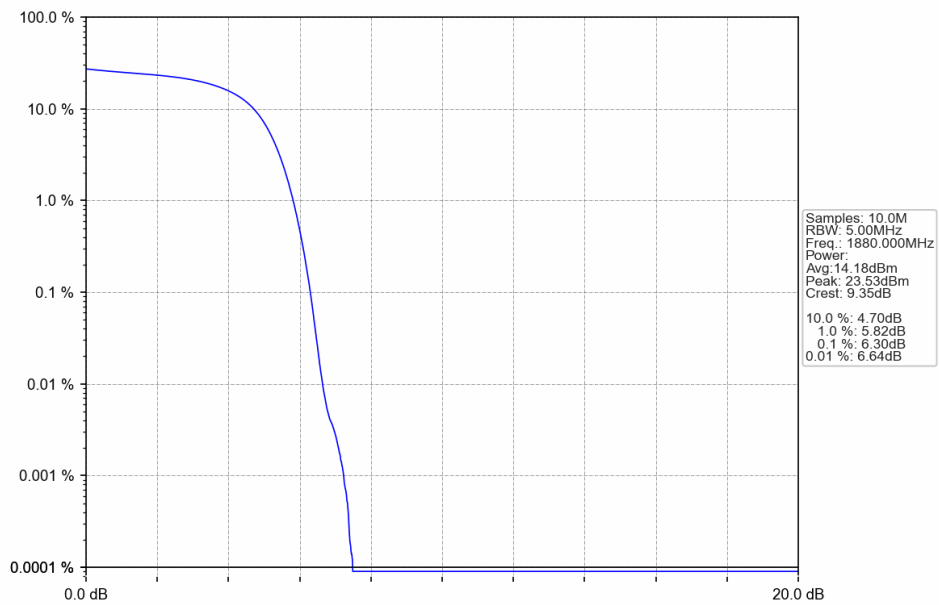
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



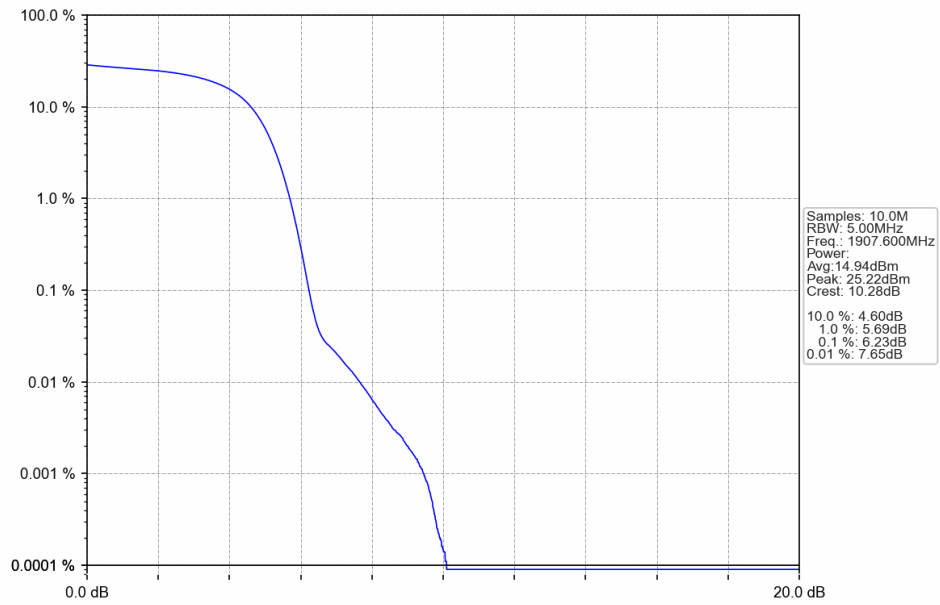
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



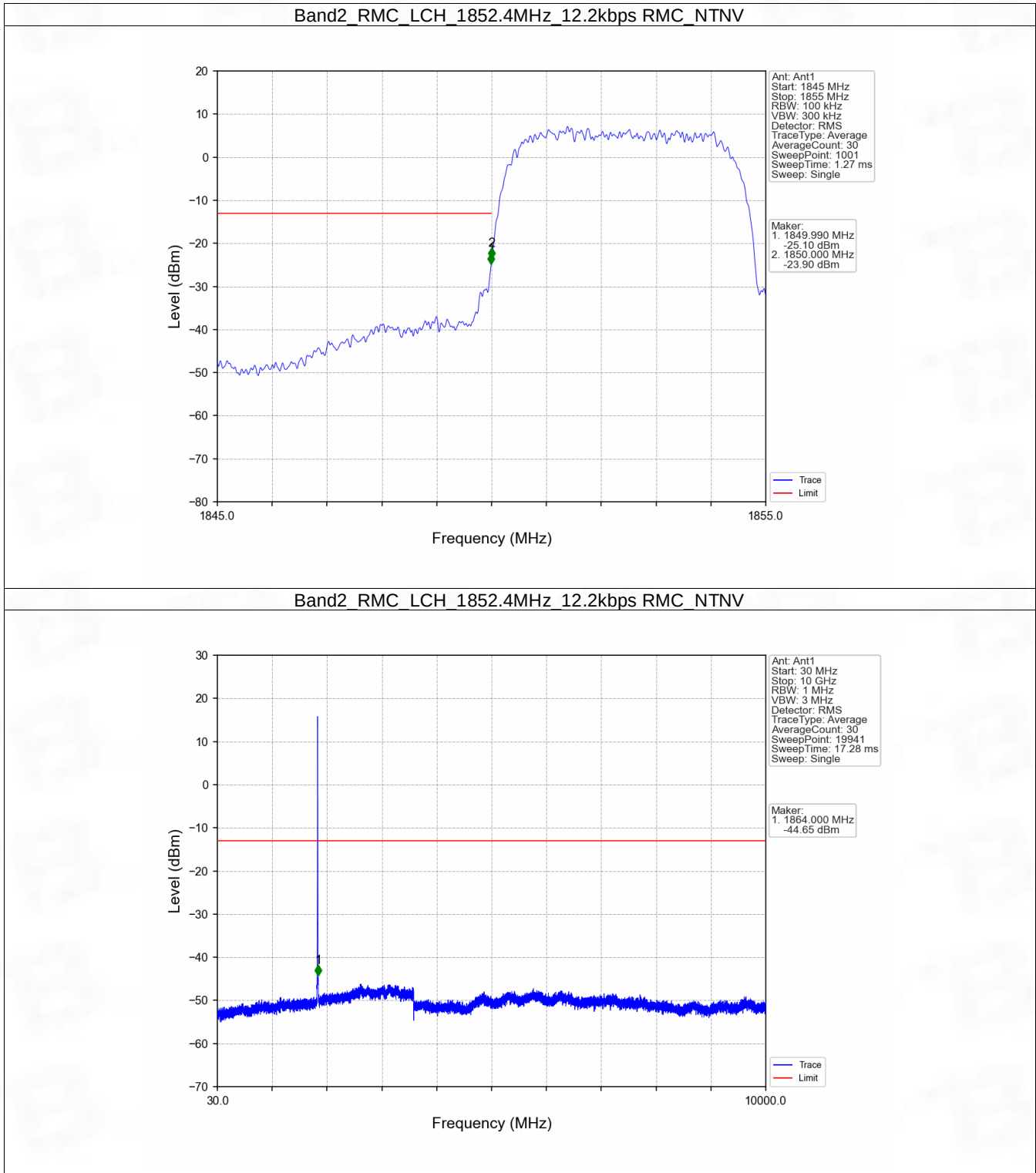
6. Spurious Emission

6.1 Band2

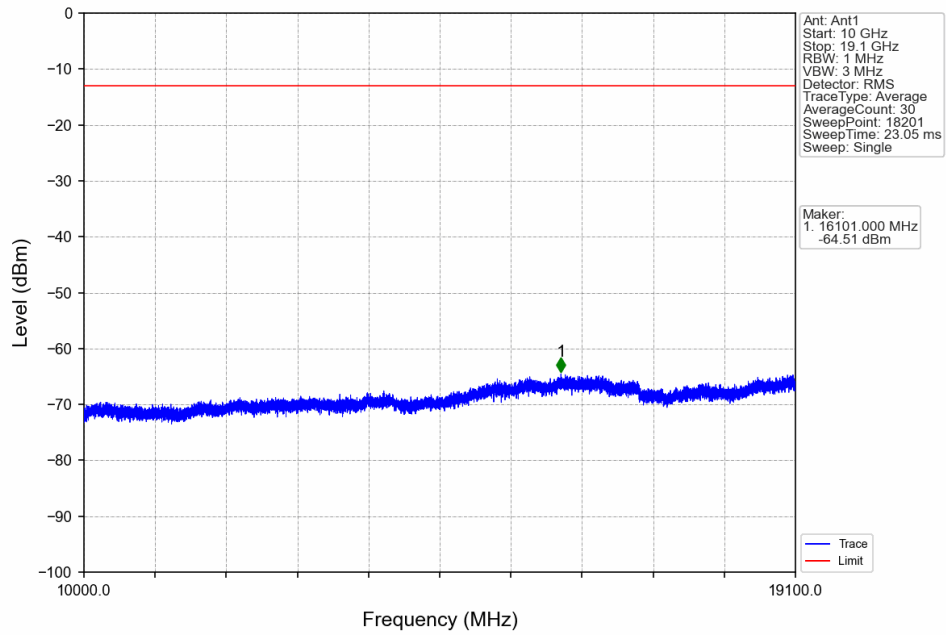
6.1.1 Test Result

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

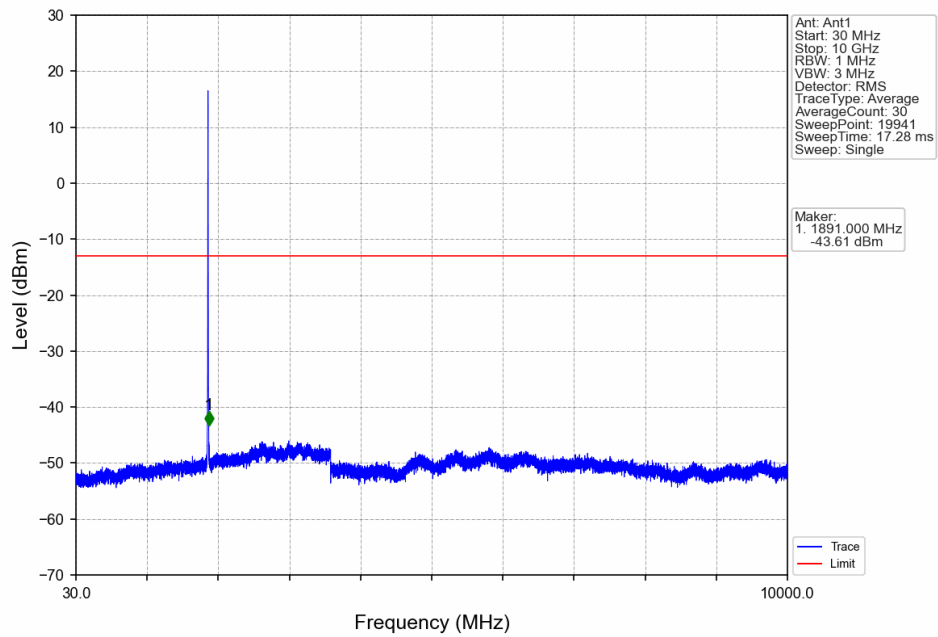
6.1.2 Test Graph



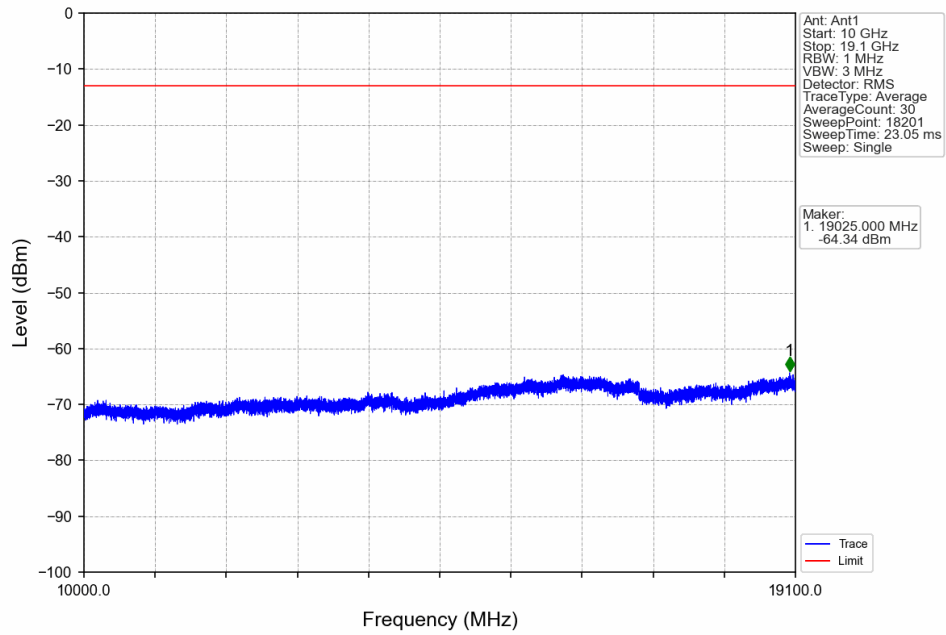
Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



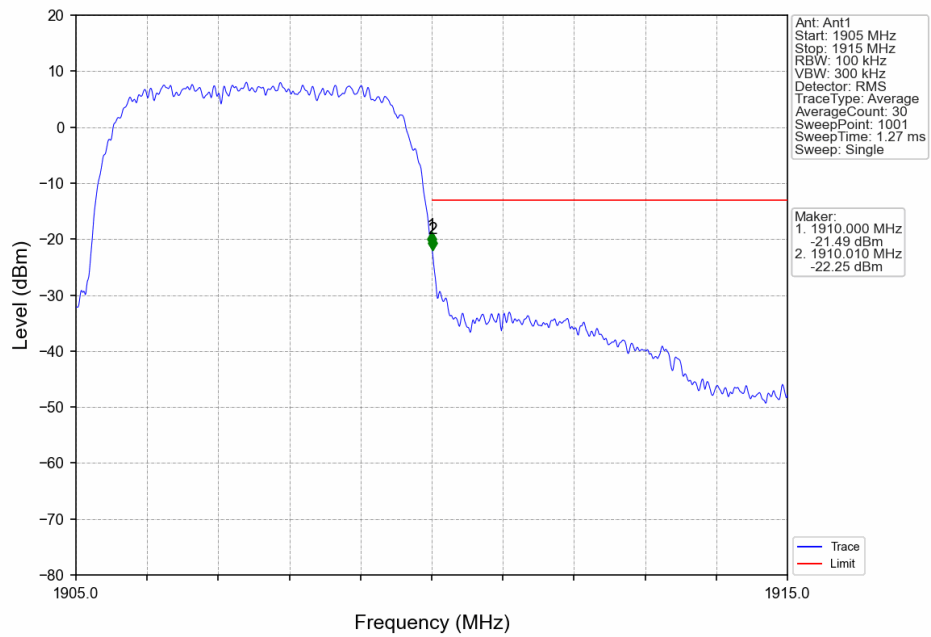
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



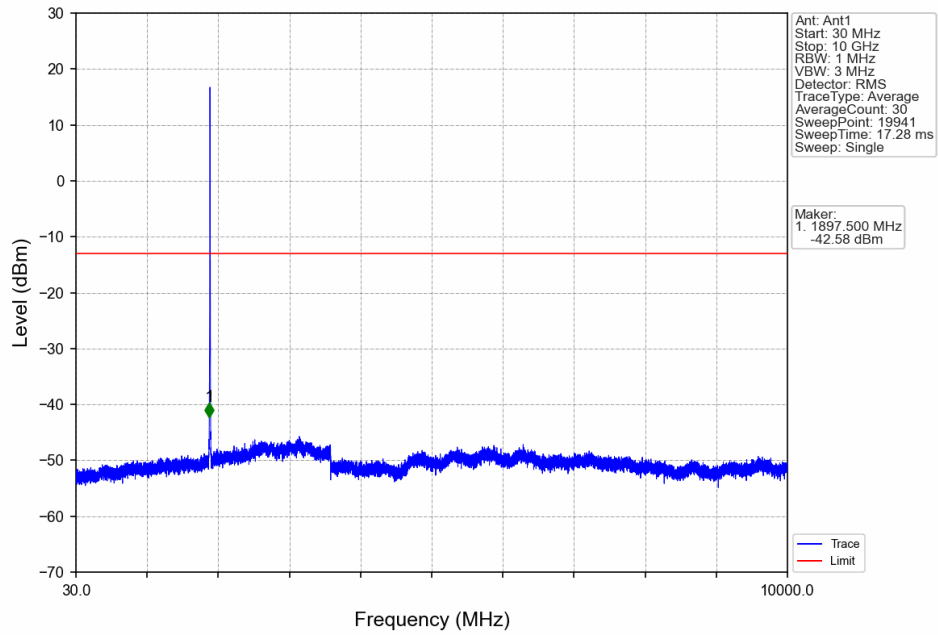
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



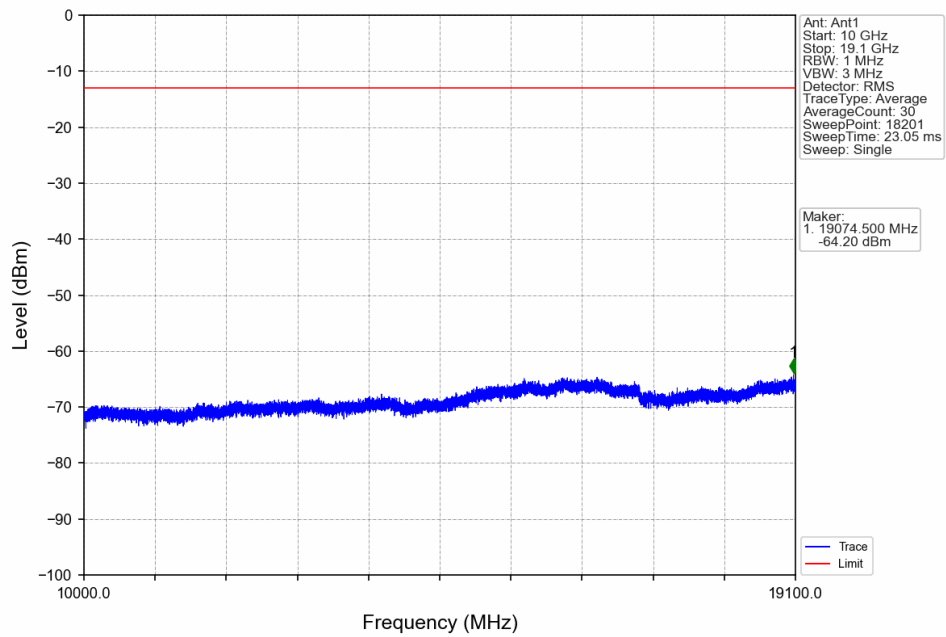
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



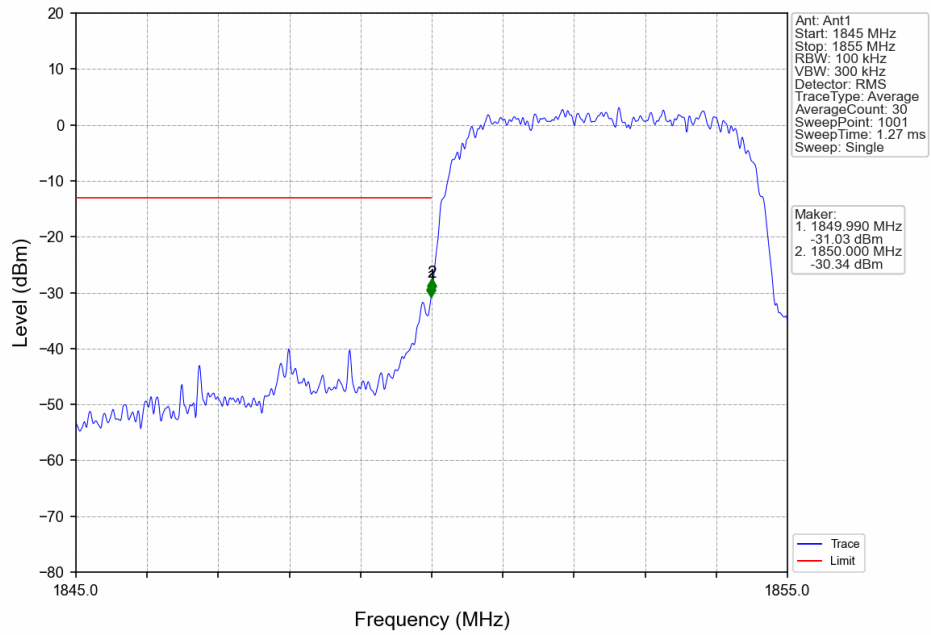
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



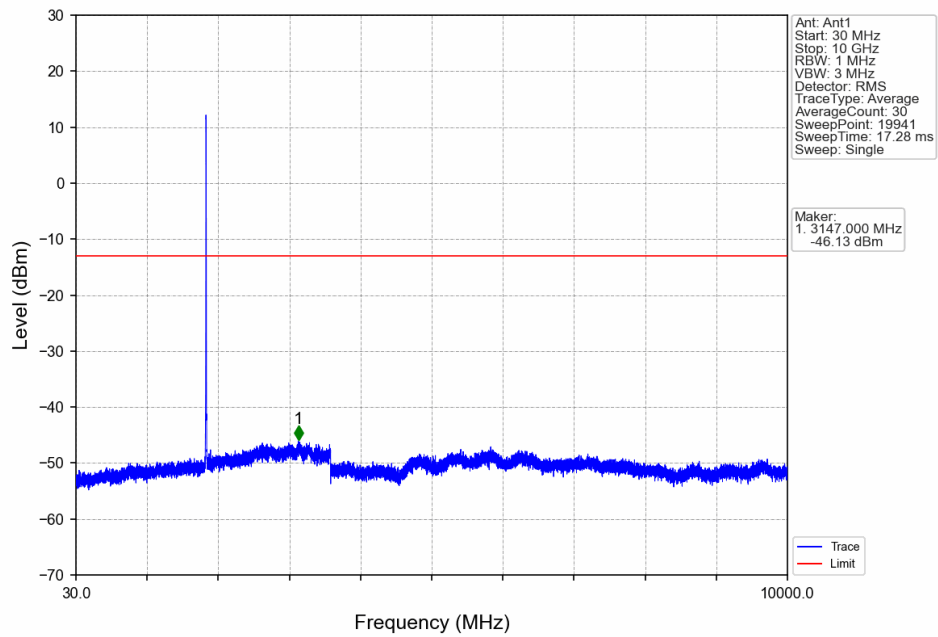
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



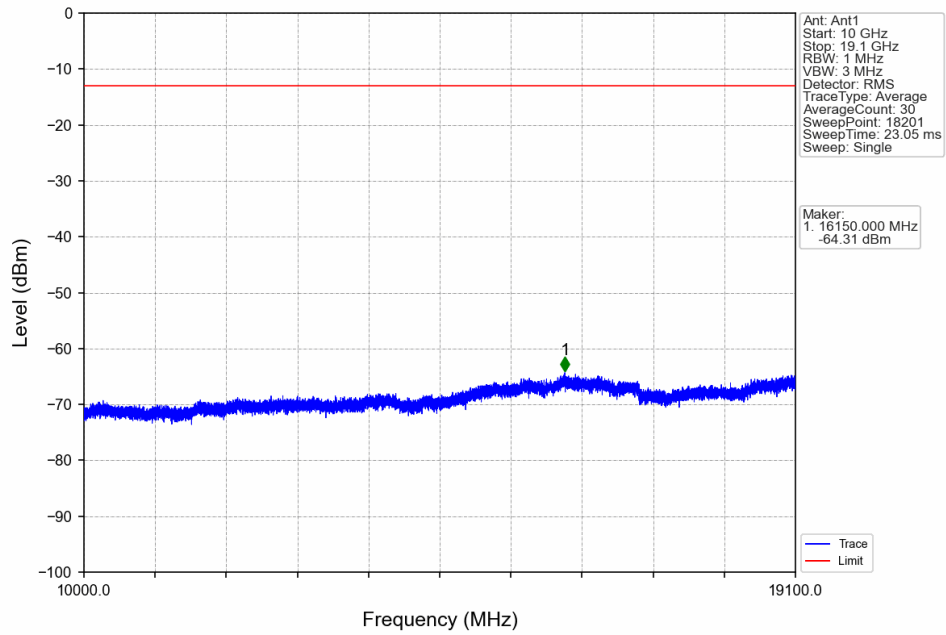
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



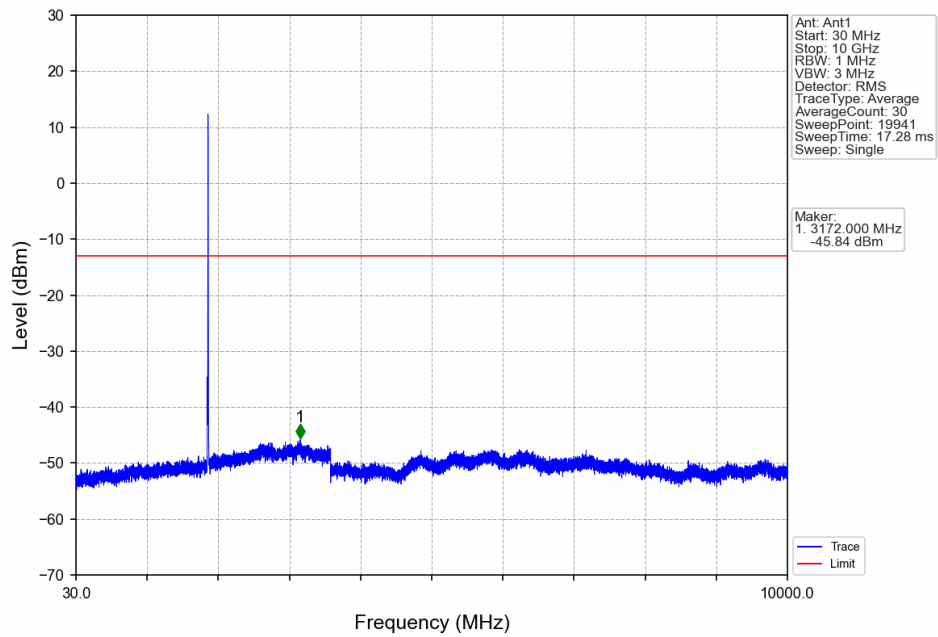
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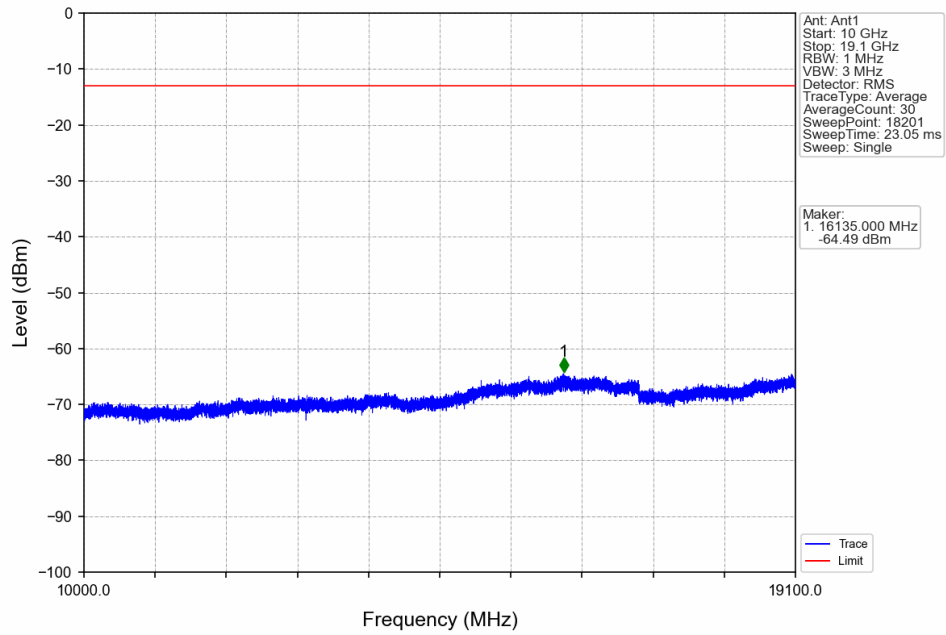
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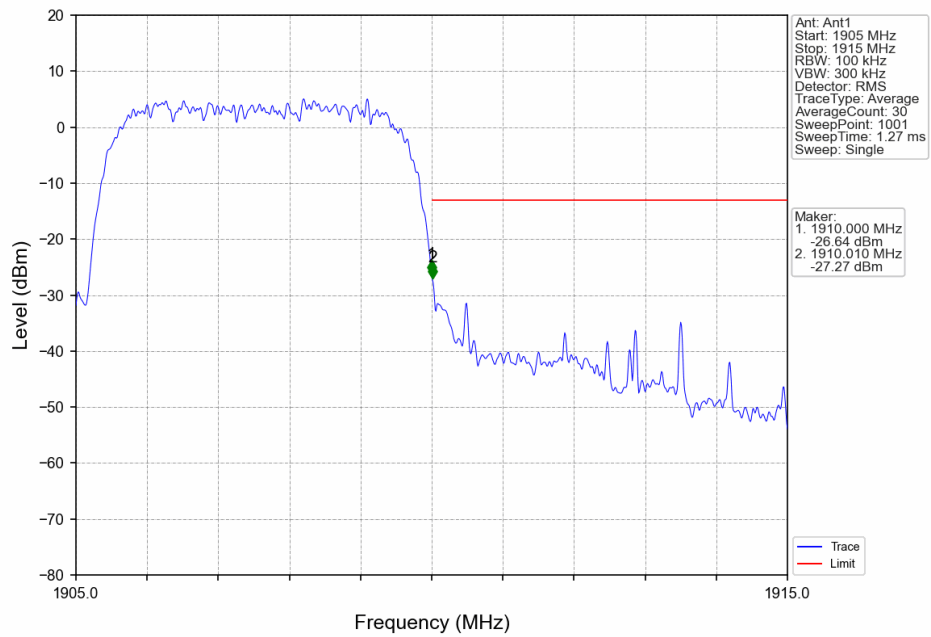
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



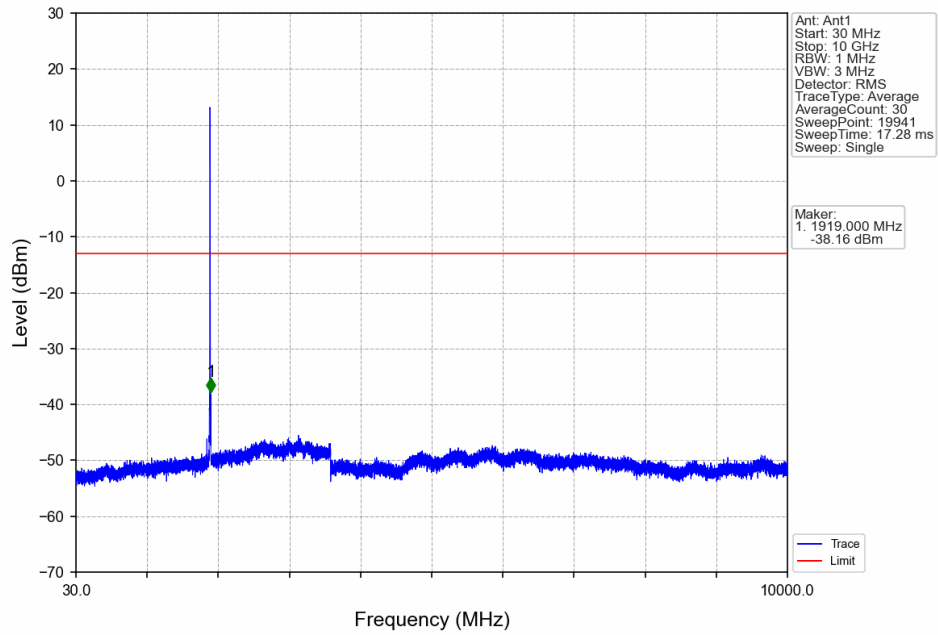
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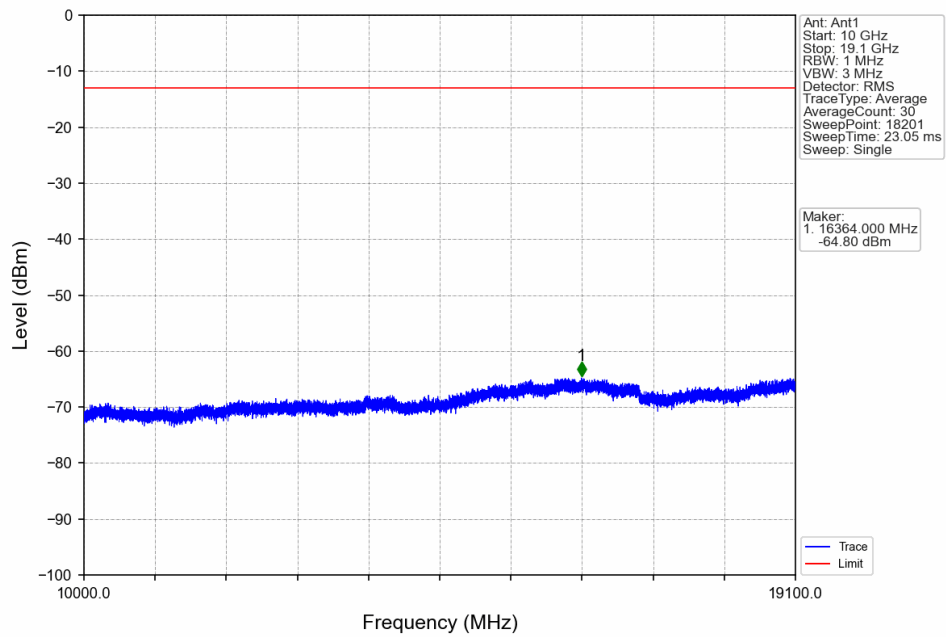
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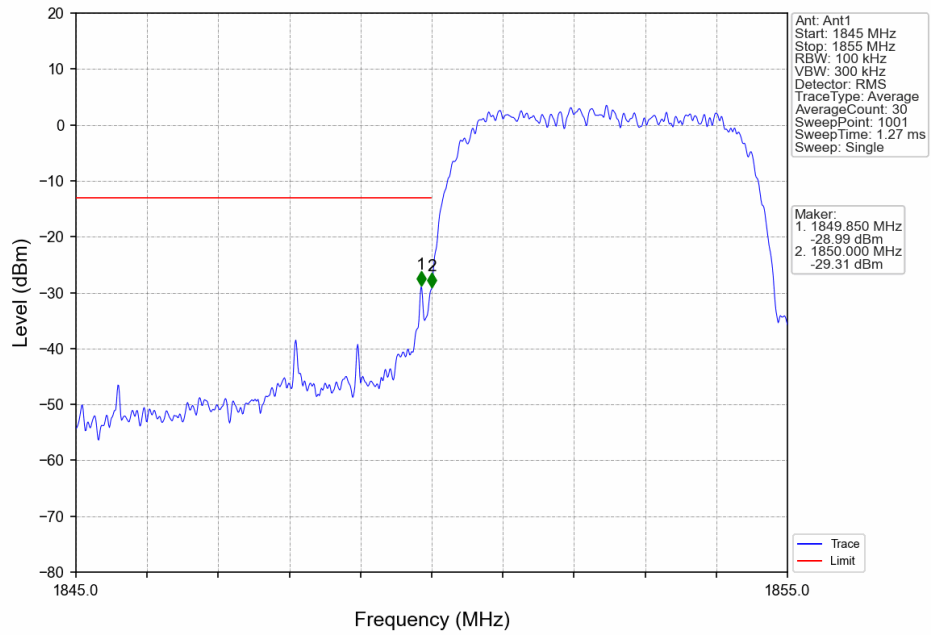
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



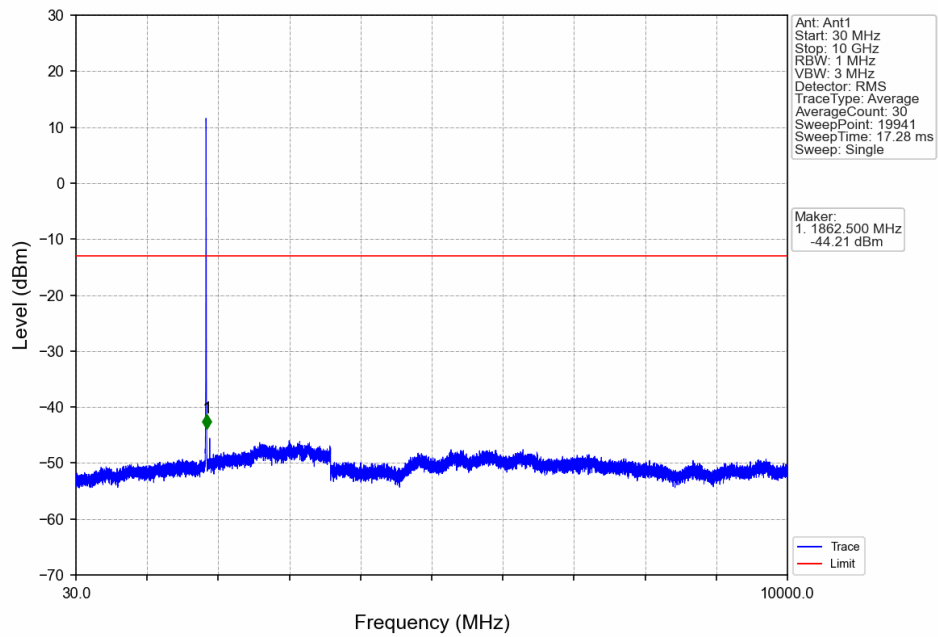
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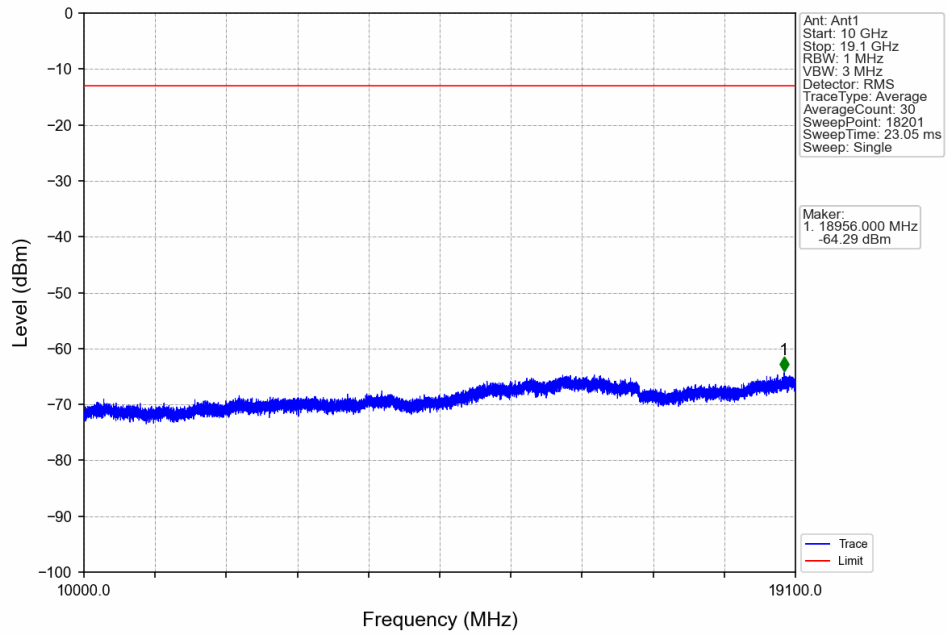
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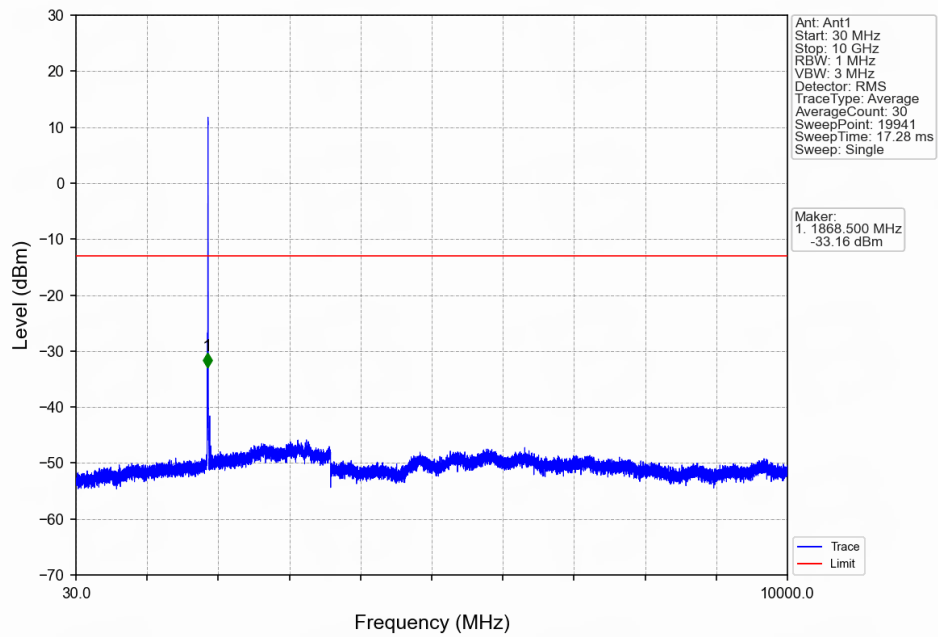
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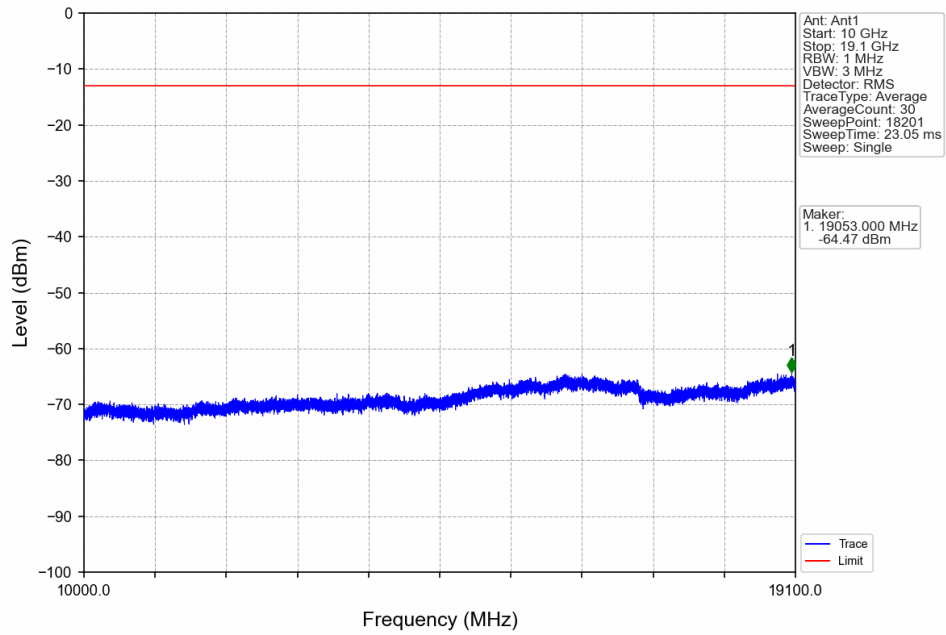
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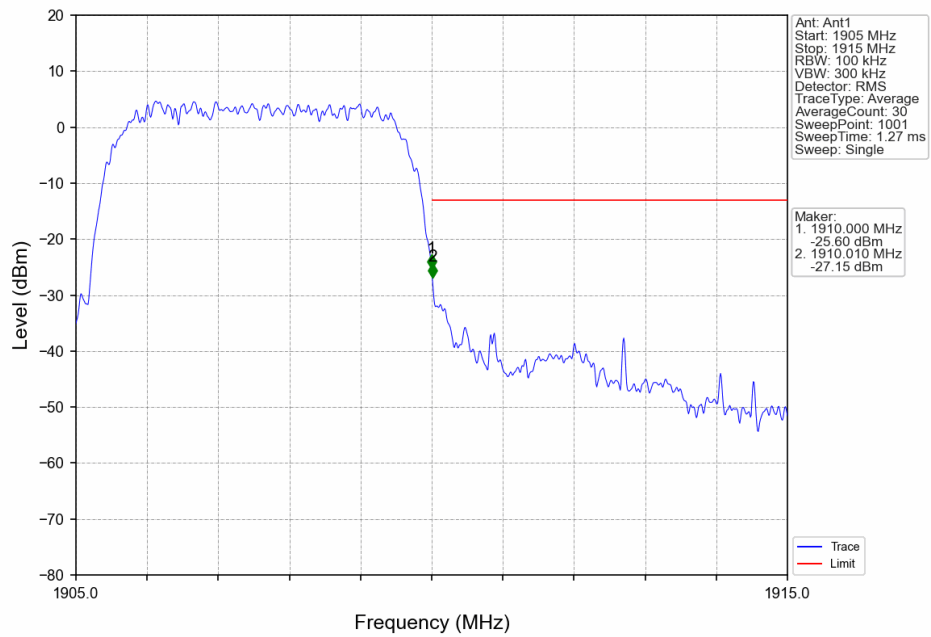
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



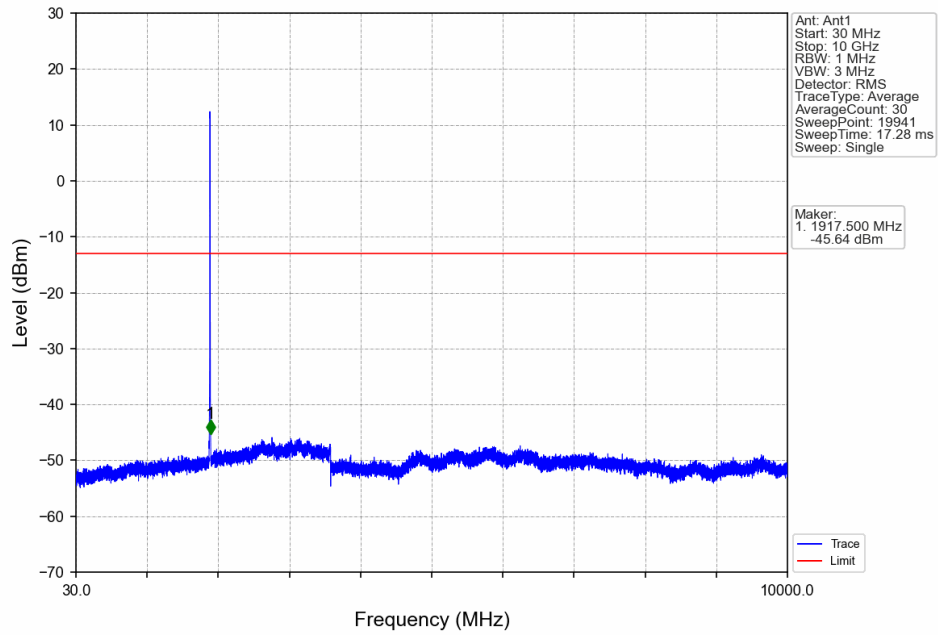
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



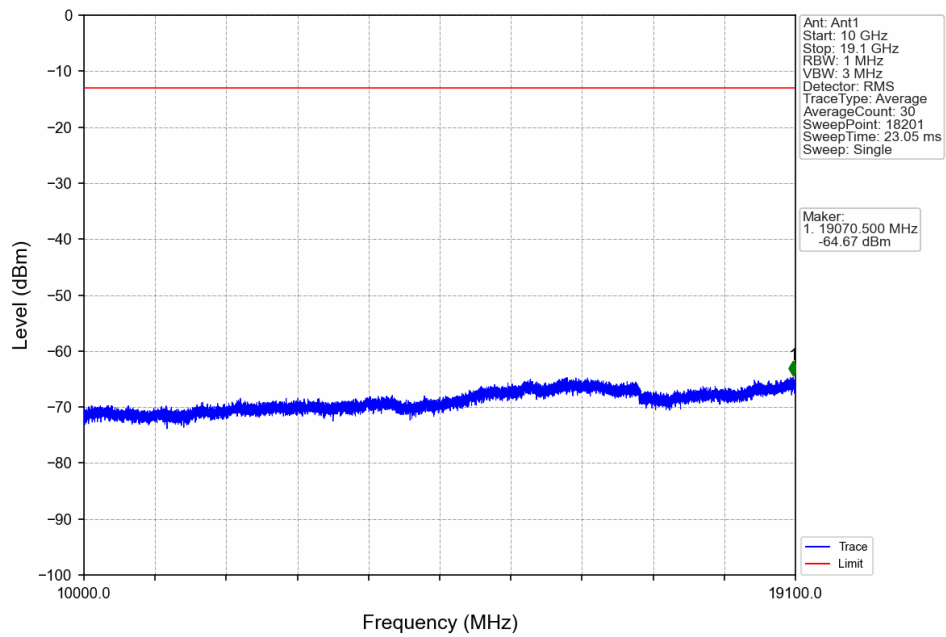
Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



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	0.1016	0.0119	ppm	4M25F9W	24E	20.07

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	0.1884	0.0119	ppm	4M25F9W	24E	22.75