

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	21.91	0.68	22.59	<=33.01	Pass
			1880	22.33	0.68	23.01	<=33.01	Pass
			1907.6	22.10	0.68	22.78	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	19.62	0.68	20.30	<=33.01	Pass
		Subtest 2	1852.4	19.60	0.68	20.28	<=33.01	Pass
		Subtest 3	1852.4	19.58	0.68	20.26	<=33.01	Pass
		Subtest 4	1852.4	19.60	0.68	20.28	<=33.01	Pass
		Subtest 1	1880	20.03	0.68	20.71	<=33.01	Pass
		Subtest 2	1880	20.03	0.68	20.71	<=33.01	Pass
		Subtest 3	1880	20.01	0.68	20.69	<=33.01	Pass
		Subtest 4	1880	20.01	0.68	20.69	<=33.01	Pass
		Subtest 1	1907.6	19.75	0.68	20.43	<=33.01	Pass
		Subtest 2	1907.6	19.77	0.68	20.45	<=33.01	Pass
		Subtest 3	1907.6	19.81	0.68	20.49	<=33.01	Pass
		Subtest 4	1907.6	19.78	0.68	20.46	<=33.01	Pass
	HSUPA	Subtest 1	1852.4	17.43	0.68	18.11	<=33.01	Pass
		Subtest 2	1852.4	17.67	0.68	18.35	<=33.01	Pass
		Subtest 3	1852.4	17.42	0.68	18.10	<=33.01	Pass
		Subtest 4	1852.4	17.17	0.68	17.85	<=33.01	Pass
		Subtest 5	1852.4	17.17	0.68	17.85	<=33.01	Pass
		Subtest 1	1880	18.08	0.68	18.76	<=33.01	Pass
		Subtest 2	1880	17.57	0.68	18.25	<=33.01	Pass
		Subtest 3	1880	17.83	0.68	18.51	<=33.01	Pass
		Subtest 4	1880	17.56	0.68	18.24	<=33.01	Pass
		Subtest 5	1880	18.07	0.68	18.75	<=33.01	Pass
		Subtest 1	1907.6	17.32	0.68	18.00	<=33.01	Pass
		Subtest 2	1907.6	17.84	0.68	18.52	<=33.01	Pass
		Subtest 3	1907.6	17.83	0.68	18.51	<=33.01	Pass
		Subtest 4	1907.6	17.37	0.68	18.05	<=33.01	Pass
		Subtest 5	1907.6	17.63	0.68	18.31	<=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	-9.263	-0.0050	-2.5 to 2.5	Pass

			3.85	-11.845	-0.0064	-2.5 to 2.5	Pass
			4.43	-13.125	-0.0071	-2.5 to 2.5	Pass
		-30	3.85	-9.813	-0.0053	-2.5 to 2.5	Pass
		-20	3.85	-14.734	-0.0080	-2.5 to 2.5	Pass
		-10	3.85	-9.770	-0.0053	-2.5 to 2.5	Pass
		0	3.85	-8.268	-0.0045	-2.5 to 2.5	Pass
		10	3.85	-8.583	-0.0046	-2.5 to 2.5	Pass
		30	3.85	-11.401	-0.0062	-2.5 to 2.5	Pass
		40	3.85	-15.872	-0.0086	-2.5 to 2.5	Pass
		50	3.85	-16.859	-0.0091	-2.5 to 2.5	Pass
	1880	20	3.27	-11.566	-0.0062	-2.5 to 2.5	Pass
			3.85	-18.225	-0.0097	-2.5 to 2.5	Pass
			4.43	-13.340	-0.0071	-2.5 to 2.5	Pass
		-30	3.85	-13.061	-0.0069	-2.5 to 2.5	Pass
		-20	3.85	-9.778	-0.0052	-2.5 to 2.5	Pass
		-10	3.85	-10.622	-0.0056	-2.5 to 2.5	Pass
		0	3.85	-9.692	-0.0052	-2.5 to 2.5	Pass
		10	3.85	-14.112	-0.0075	-2.5 to 2.5	Pass
		30	3.85	-15.221	-0.0081	-2.5 to 2.5	Pass
		40	3.85	-17.481	-0.0093	-2.5 to 2.5	Pass
		50	3.85	-15.607	-0.0083	-2.5 to 2.5	Pass
	1907.6	20	3.27	-14.598	-0.0077	-2.5 to 2.5	Pass
			3.85	-9.792	-0.0051	-2.5 to 2.5	Pass
			4.43	-13.225	-0.0069	-2.5 to 2.5	Pass
		-30	3.85	-10.500	-0.0055	-2.5 to 2.5	Pass
		-20	3.85	-11.330	-0.0059	-2.5 to 2.5	Pass
		-10	3.85	-9.120	-0.0048	-2.5 to 2.5	Pass
		0	3.85	-13.626	-0.0071	-2.5 to 2.5	Pass
		10	3.85	-10.736	-0.0056	-2.5 to 2.5	Pass
		30	3.85	-11.044	-0.0058	-2.5 to 2.5	Pass
		40	3.85	-17.581	-0.0092	-2.5 to 2.5	Pass
HSDPA	1852.4	20	3.27	-12.567	-0.0068	-2.5 to 2.5	Pass
			3.85	-11.215	-0.0061	-2.5 to 2.5	Pass
			4.43	-9.584	-0.0052	-2.5 to 2.5	Pass
		-30	3.85	-11.265	-0.0061	-2.5 to 2.5	Pass
		-20	3.85	-10.593	-0.0057	-2.5 to 2.5	Pass
		-10	3.85	-11.730	-0.0063	-2.5 to 2.5	Pass
		0	3.85	-5.879	-0.0032	-2.5 to 2.5	Pass
		10	3.85	-10.364	-0.0056	-2.5 to 2.5	Pass
		30	3.85	-8.075	-0.0044	-2.5 to 2.5	Pass
		40	3.85	-3.648	-0.0020	-2.5 to 2.5	Pass
		50	3.85	-14.749	-0.0080	-2.5 to 2.5	Pass
	1880	20	3.27	-8.411	-0.0045	-2.5 to 2.5	Pass
			3.85	-6.924	-0.0037	-2.5 to 2.5	Pass
			4.43	-12.431	-0.0066	-2.5 to 2.5	Pass
		-30	3.85	-9.692	-0.0052	-2.5 to 2.5	Pass
		-20	3.85	-8.705	-0.0046	-2.5 to 2.5	Pass
		-10	3.85	-10.293	-0.0055	-2.5 to 2.5	Pass
		0	3.85	-6.588	-0.0035	-2.5 to 2.5	Pass
		10	3.85	-10.893	-0.0058	-2.5 to 2.5	Pass
		30	3.85	-11.694	-0.0062	-2.5 to 2.5	Pass
		40	3.85	-5.865	-0.0031	-2.5 to 2.5	Pass
		50	3.85	-7.739	-0.0041	-2.5 to 2.5	Pass
	1907.6	20	3.27	-16.315	-0.0086	-2.5 to 2.5	Pass
			3.85	-15.900	-0.0083	-2.5 to 2.5	Pass

			4.43	-16.387	-0.0086	-2.5 to 2.5	Pass
		-30	3.85	-13.433	-0.0070	-2.5 to 2.5	Pass
		-20	3.85	-6.573	-0.0034	-2.5 to 2.5	Pass
		-10	3.85	-14.505	-0.0076	-2.5 to 2.5	Pass
		0	3.85	-10.829	-0.0057	-2.5 to 2.5	Pass
		10	3.85	-12.074	-0.0063	-2.5 to 2.5	Pass
		30	3.85	-10.378	-0.0054	-2.5 to 2.5	Pass
		40	3.85	-11.795	-0.0062	-2.5 to 2.5	Pass
		50	3.85	-13.554	-0.0071	-2.5 to 2.5	Pass
HSUPA	1852.4	20	3.27	-11.809	-0.0064	-2.5 to 2.5	Pass
			3.85	-13.347	-0.0072	-2.5 to 2.5	Pass
			4.43	-15.757	-0.0085	-2.5 to 2.5	Pass
		-30	3.85	-11.473	-0.0062	-2.5 to 2.5	Pass
		-20	3.85	-11.072	-0.0060	-2.5 to 2.5	Pass
		-10	3.85	-11.294	-0.0061	-2.5 to 2.5	Pass
		0	3.85	-7.832	-0.0042	-2.5 to 2.5	Pass
		10	3.85	-10.614	-0.0057	-2.5 to 2.5	Pass
		30	3.85	-7.167	-0.0039	-2.5 to 2.5	Pass
		40	3.85	-4.628	-0.0025	-2.5 to 2.5	Pass
		50	3.85	-9.069	-0.0049	-2.5 to 2.5	Pass
	1880	20	3.27	-9.613	-0.0051	-2.5 to 2.5	Pass
			3.85	-14.713	-0.0078	-2.5 to 2.5	Pass
			4.43	-16.987	-0.0090	-2.5 to 2.5	Pass
		-30	3.85	-13.554	-0.0072	-2.5 to 2.5	Pass
		-20	3.85	-14.577	-0.0078	-2.5 to 2.5	Pass
		-10	3.85	-6.380	-0.0034	-2.5 to 2.5	Pass
		0	3.85	-11.129	-0.0059	-2.5 to 2.5	Pass
		10	3.85	-7.417	-0.0039	-2.5 to 2.5	Pass
		30	3.85	-10.500	-0.0056	-2.5 to 2.5	Pass
		40	3.85	-6.316	-0.0034	-2.5 to 2.5	Pass
		50	3.85	-10.214	-0.0054	-2.5 to 2.5	Pass
	1907.6	20	3.27	-7.875	-0.0041	-2.5 to 2.5	Pass
			3.85	-14.277	-0.0075	-2.5 to 2.5	Pass
			4.43	-17.116	-0.0090	-2.5 to 2.5	Pass
		-30	3.85	-8.240	-0.0043	-2.5 to 2.5	Pass
		-20	3.85	-10.364	-0.0054	-2.5 to 2.5	Pass
		-10	3.85	-7.632	-0.0040	-2.5 to 2.5	Pass
		0	3.85	-8.254	-0.0043	-2.5 to 2.5	Pass
		10	3.85	-15.972	-0.0084	-2.5 to 2.5	Pass
		30	3.85	-9.077	-0.0048	-2.5 to 2.5	Pass
		40	3.85	-12.324	-0.0065	-2.5 to 2.5	Pass
		50	3.85	-14.226	-0.0075	-2.5 to 2.5	Pass

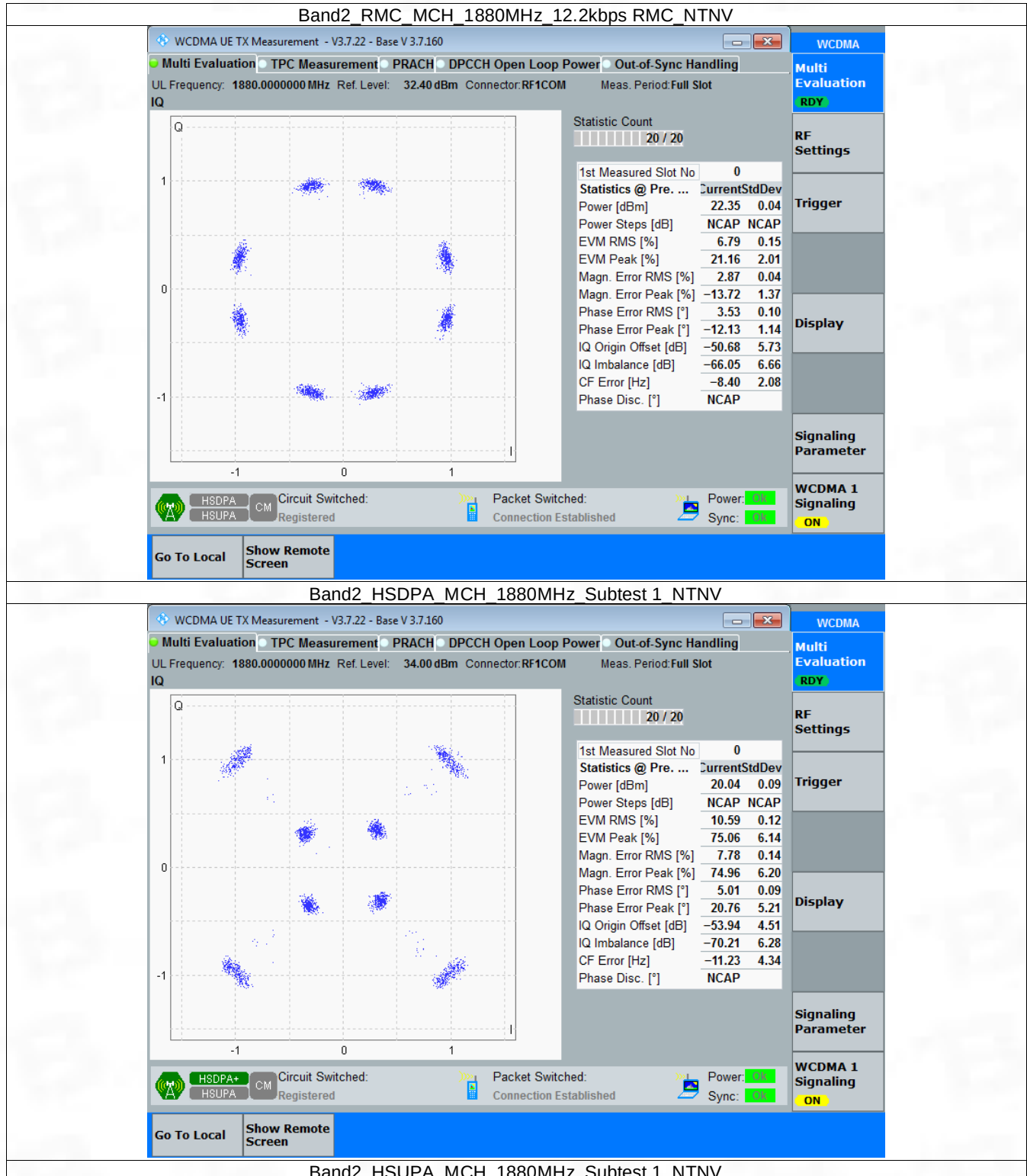
3. Modulation Characteristics

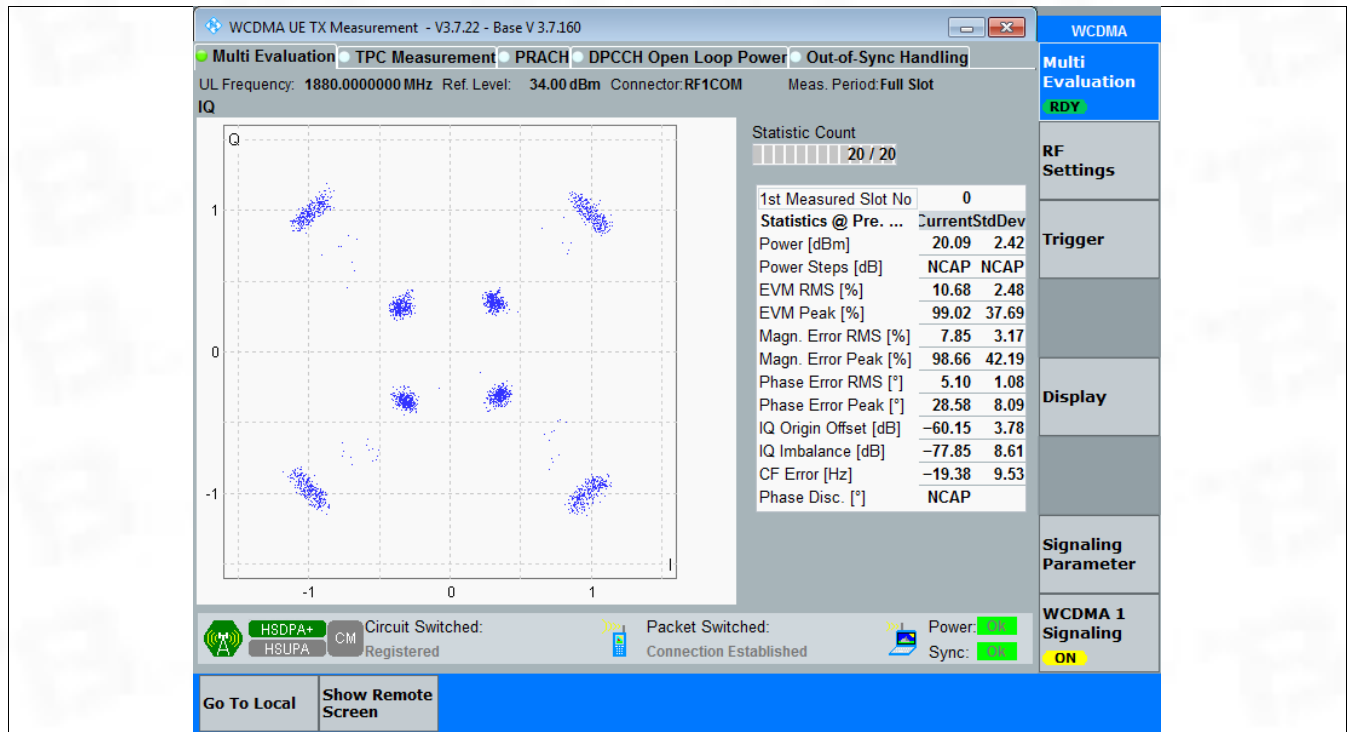
3.1 Band2

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





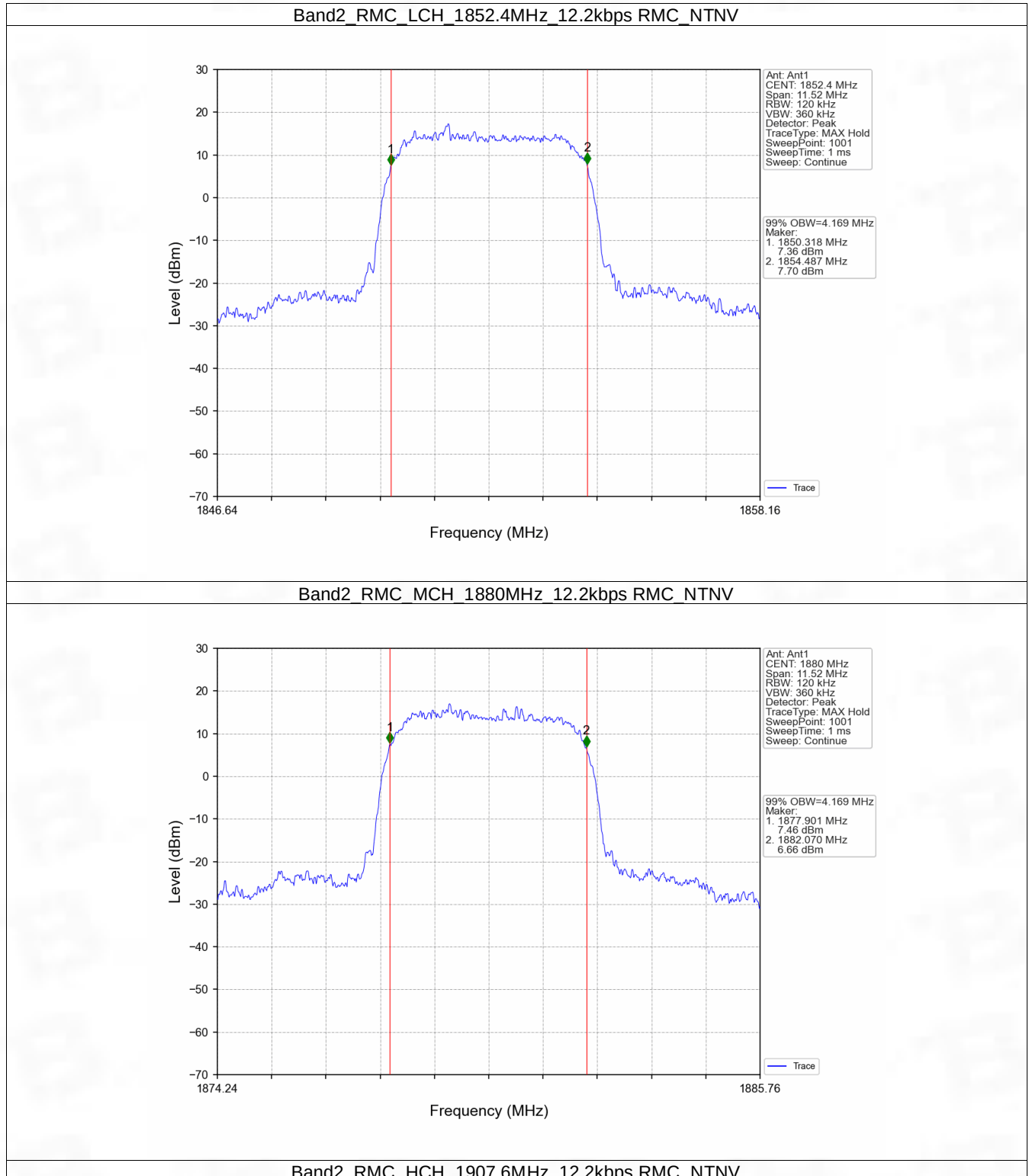
4. 99% & 26dB Bandwidth

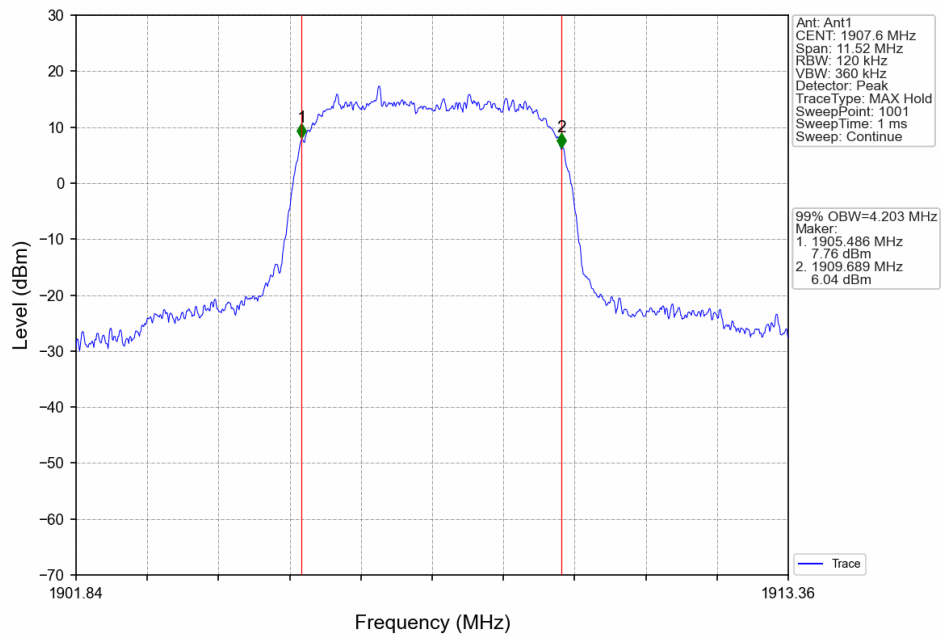
4.1 Band2_OBW

4.1.1 Test Result

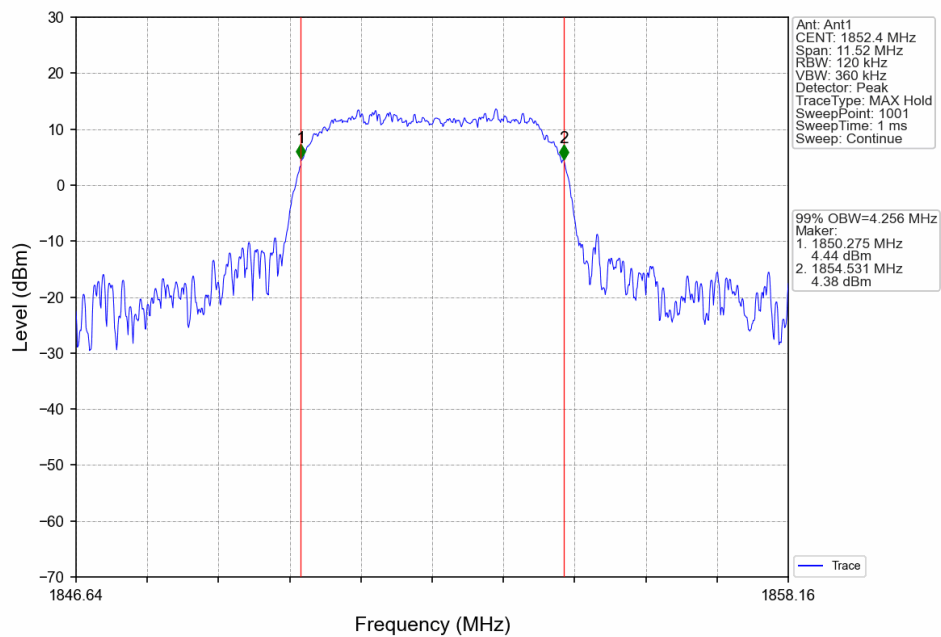
Band: 2					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.169	Pass
			1880	4.169	Pass
			1907.6	4.203	Pass
	HSDPA	Subtest 1	1852.4	4.256	Pass
			1880	4.222	Pass
			1907.6	4.233	Pass
	HSUPA	Subtest 1	1852.4	4.242	Pass
			1880	4.203	Pass
			1907.6	4.244	Pass

4.1.2 Test Graph

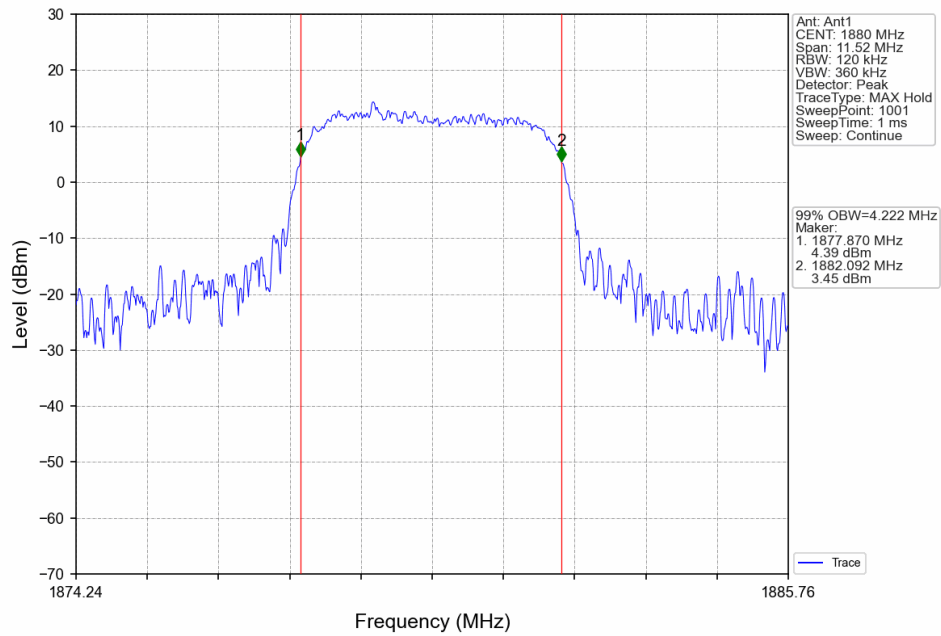




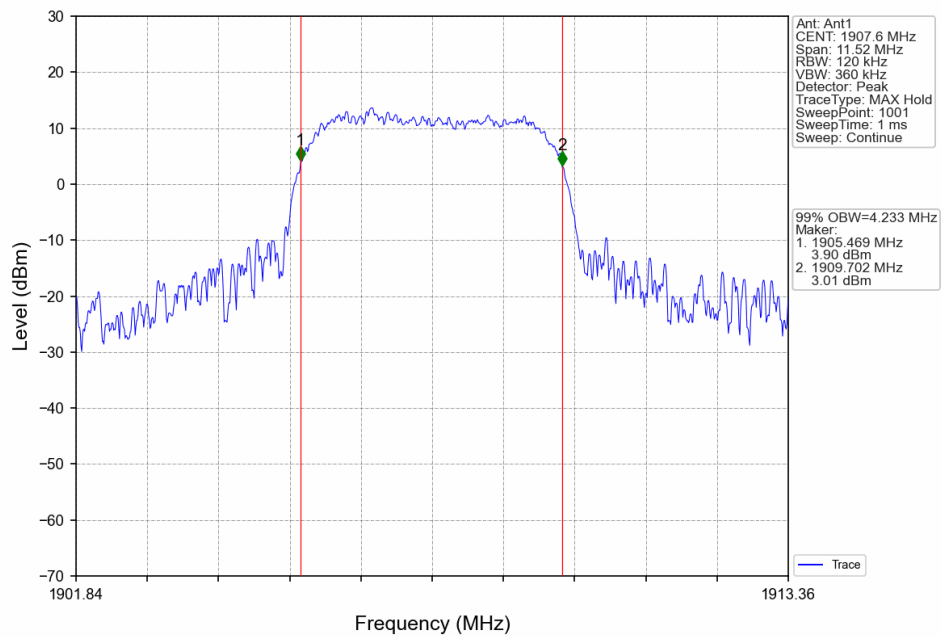
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



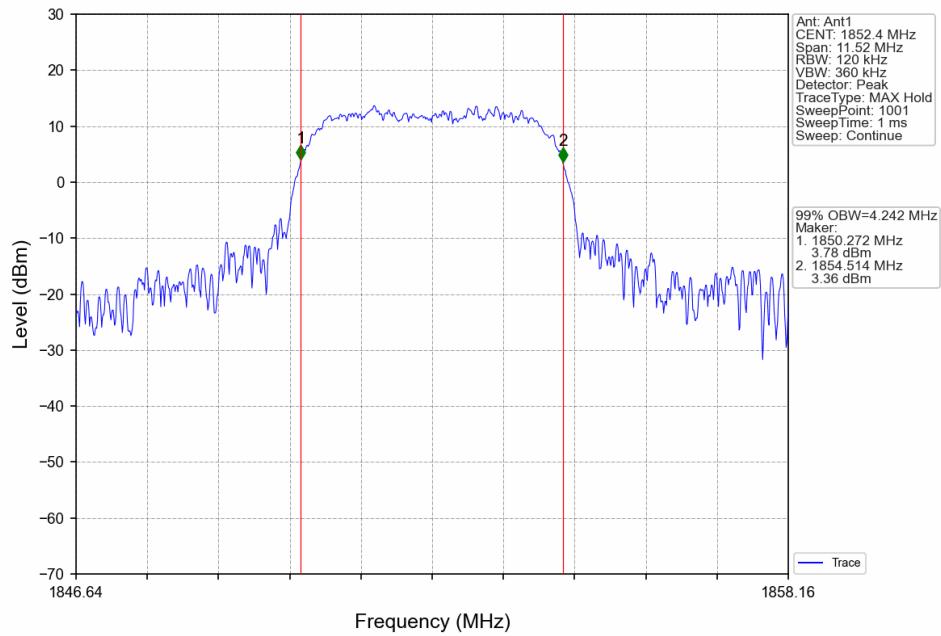
Band2 HSDPA MCH 1880MHz Subtest 1 NTN



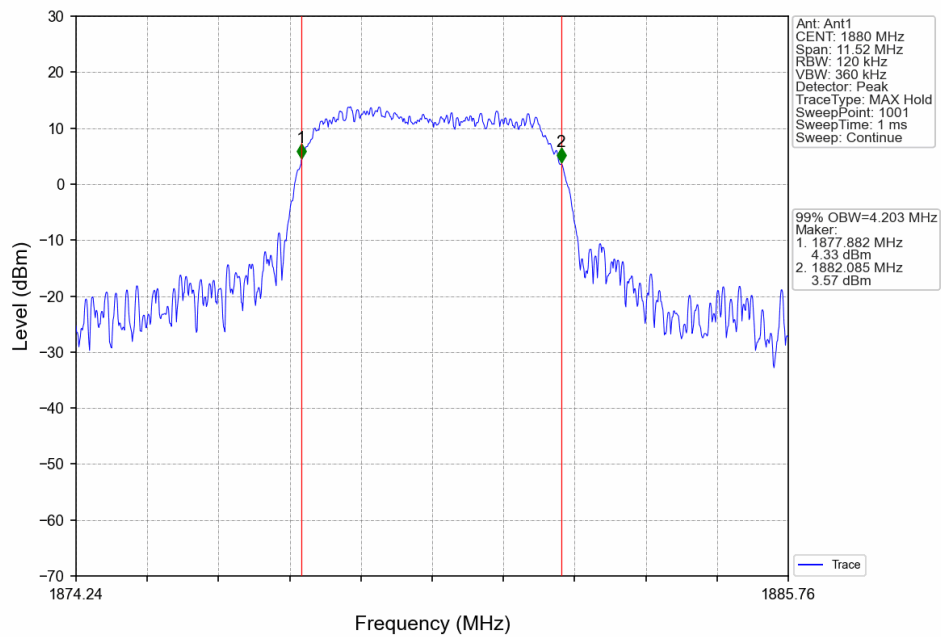
Band2 HSDPA HCH 1907.6MHz Subtest 1 NTN



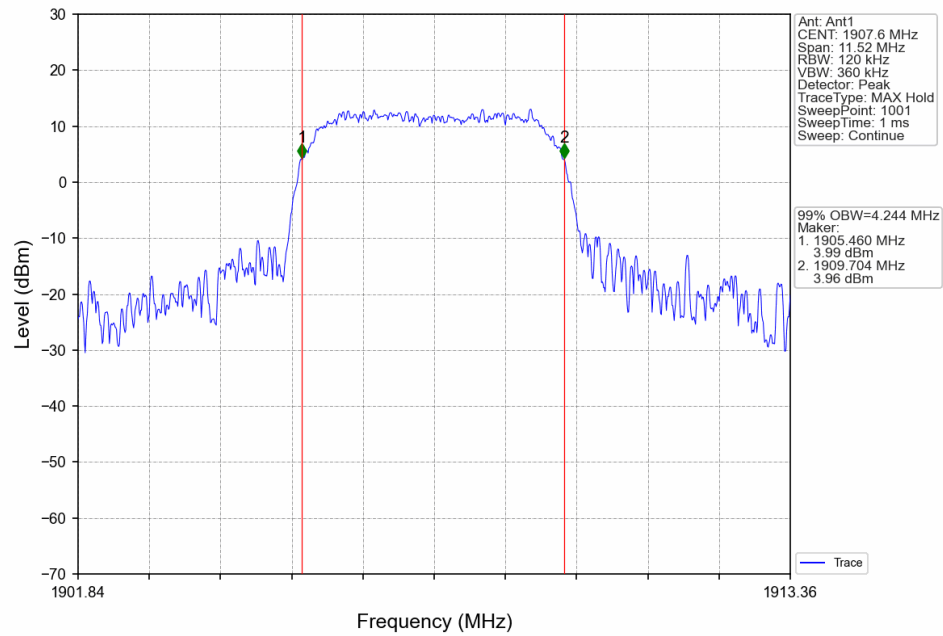
Band2 HSUPA LCH 1852.4MHz Subtest 1 NTN



Band2 HSUPA MCH 1880MHz Subtest 1 NTN



Band2 HSUPA HCH 1907.6MHz Subtest 1_NTNV

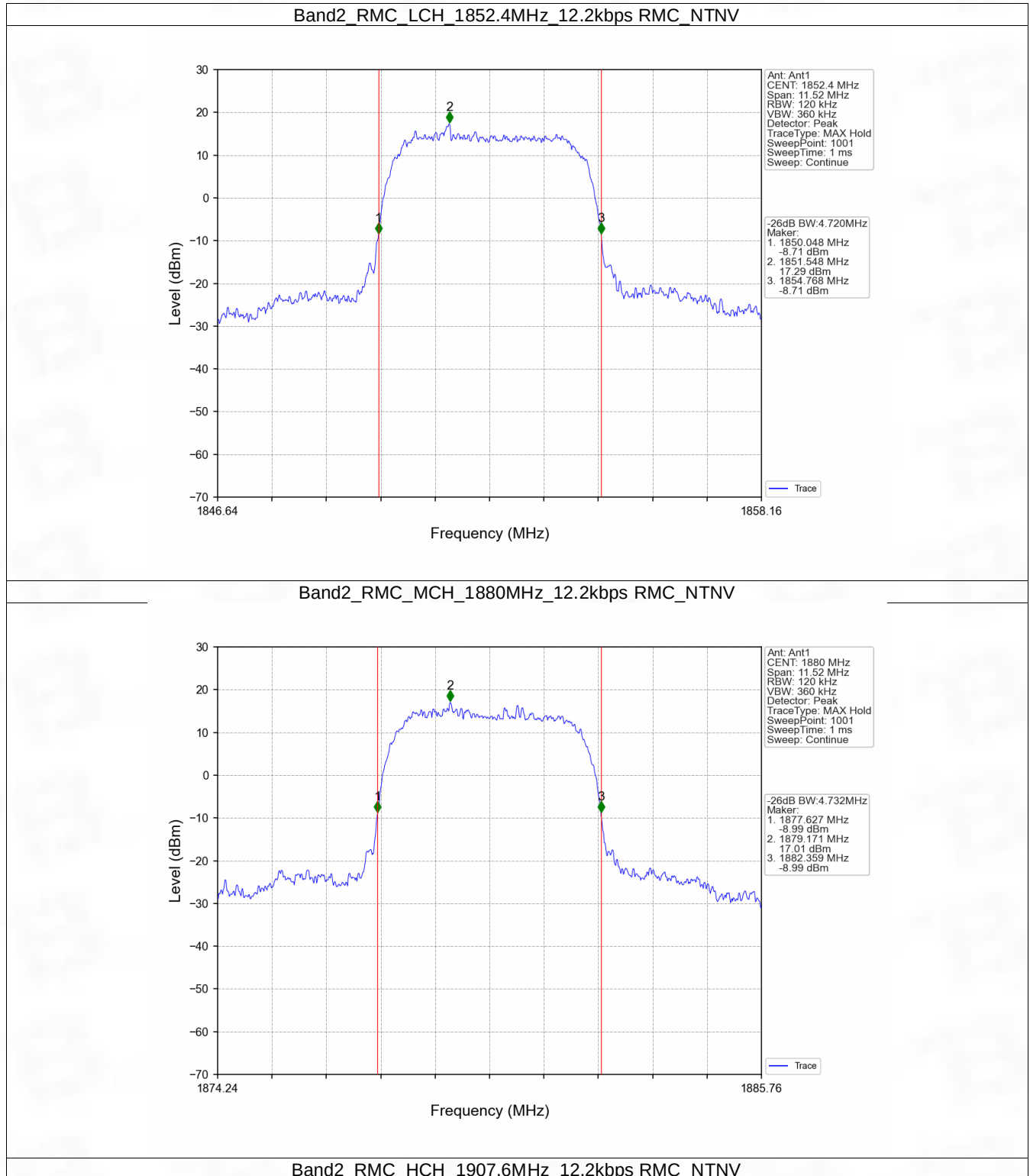


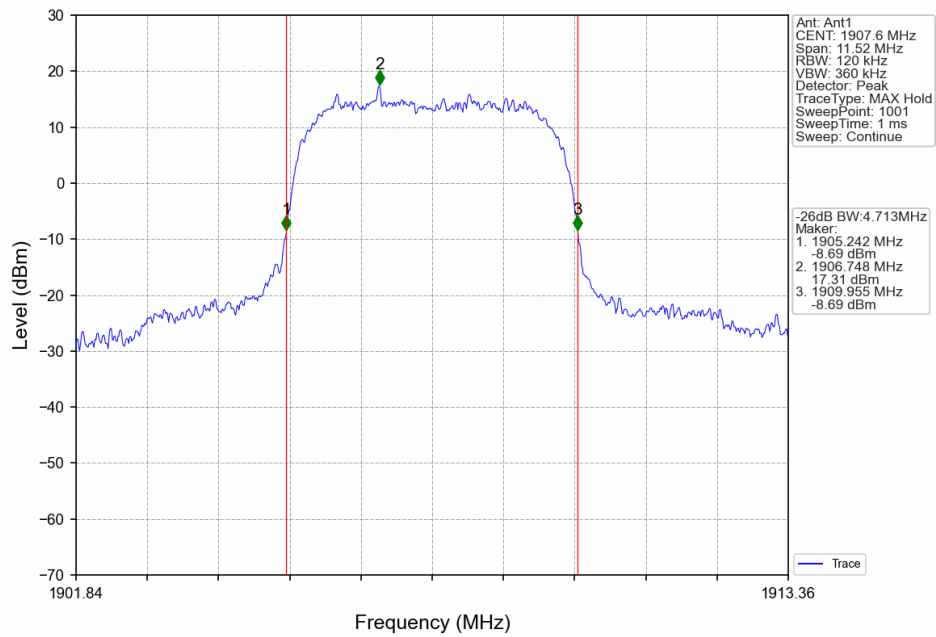
4.2 Band2_XDB

4.2.1 Test Result

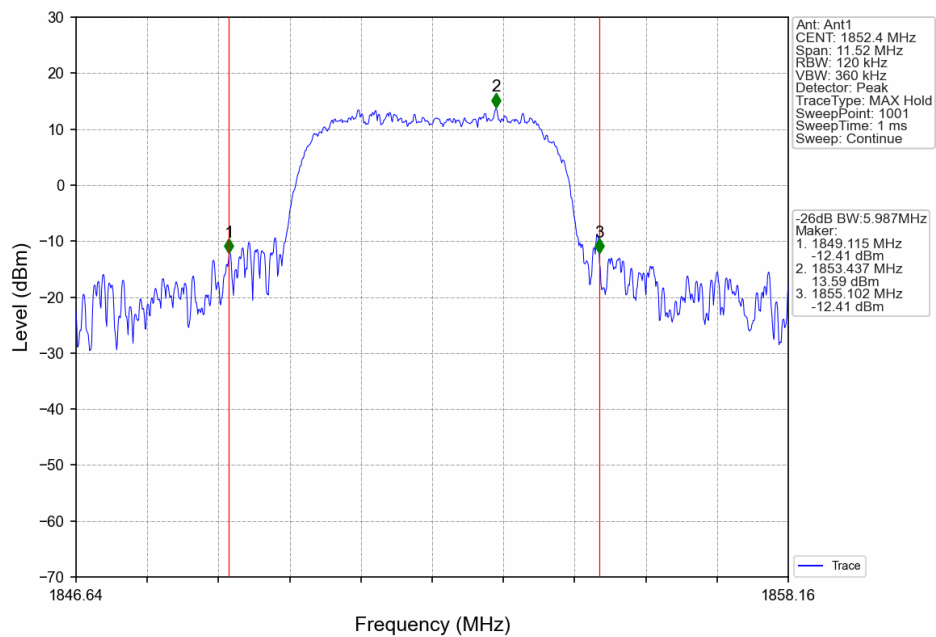
Band: 2					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.720	Pass
			1880	4.732	Pass
			1907.6	4.713	Pass
	HSDPA	Subtest 1	1852.4	5.987	Pass
			1880	4.969	Pass
			1907.6	5.832	Pass
	HSUPA	Subtest 1	1852.4	6.506	Pass
			1880	5.497	Pass
			1907.6	6.148	Pass

4.2.2 Test Graph

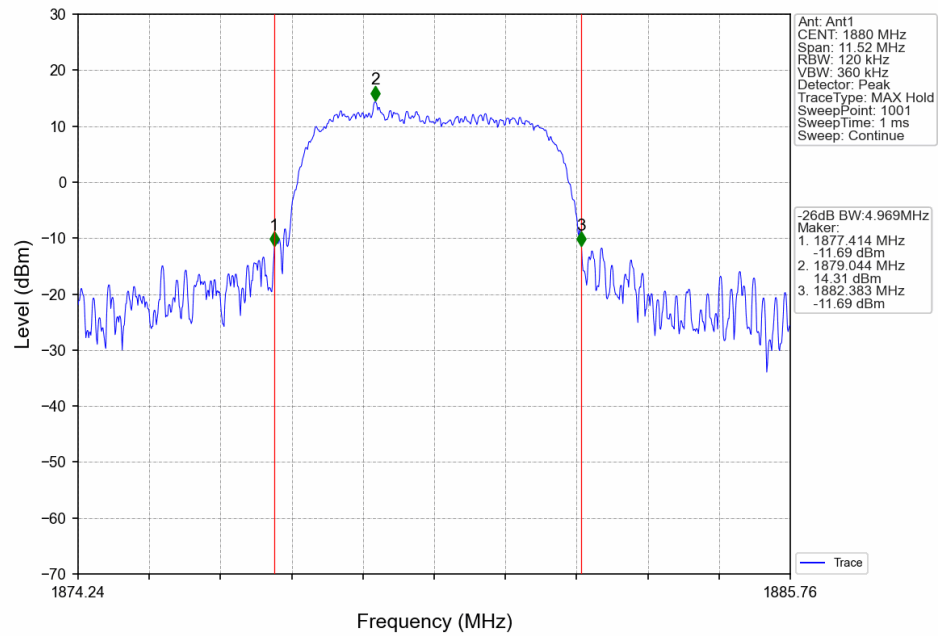




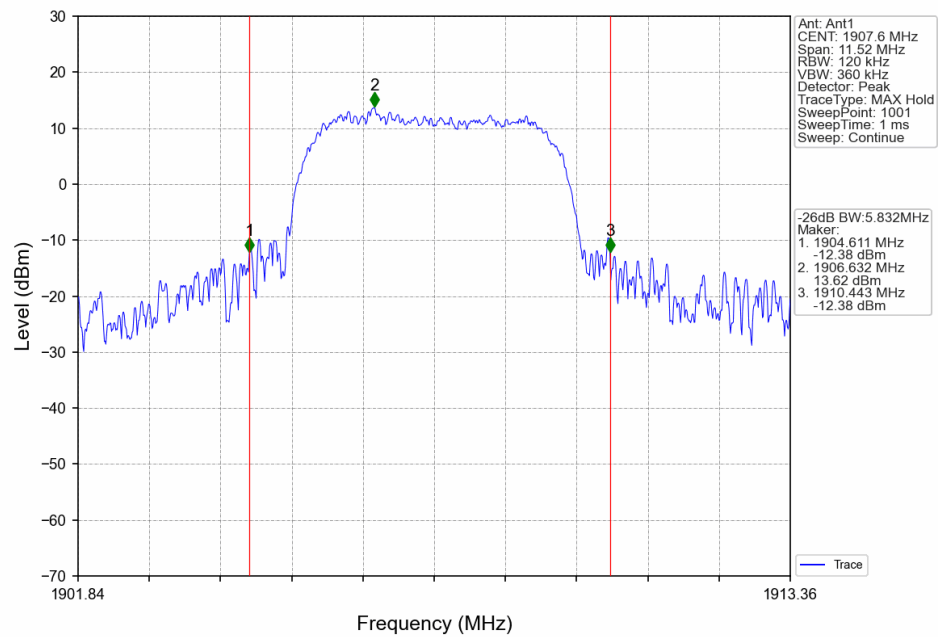
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



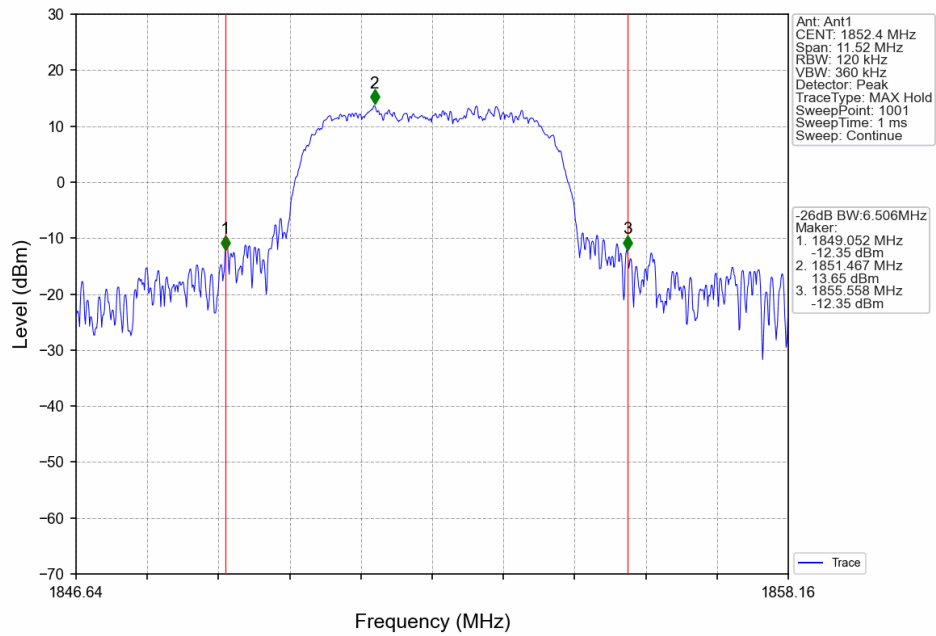
Band2 HSDPA MCH 1880MHz Subtest 1 NTN



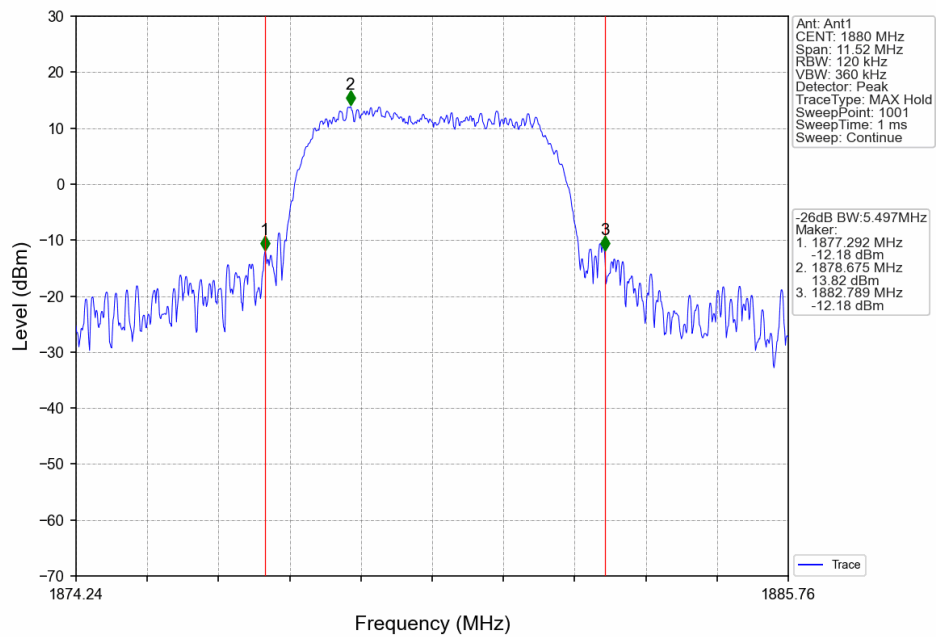
Band2 HSDPA HCH 1907.6MHz Subtest 1 NTN

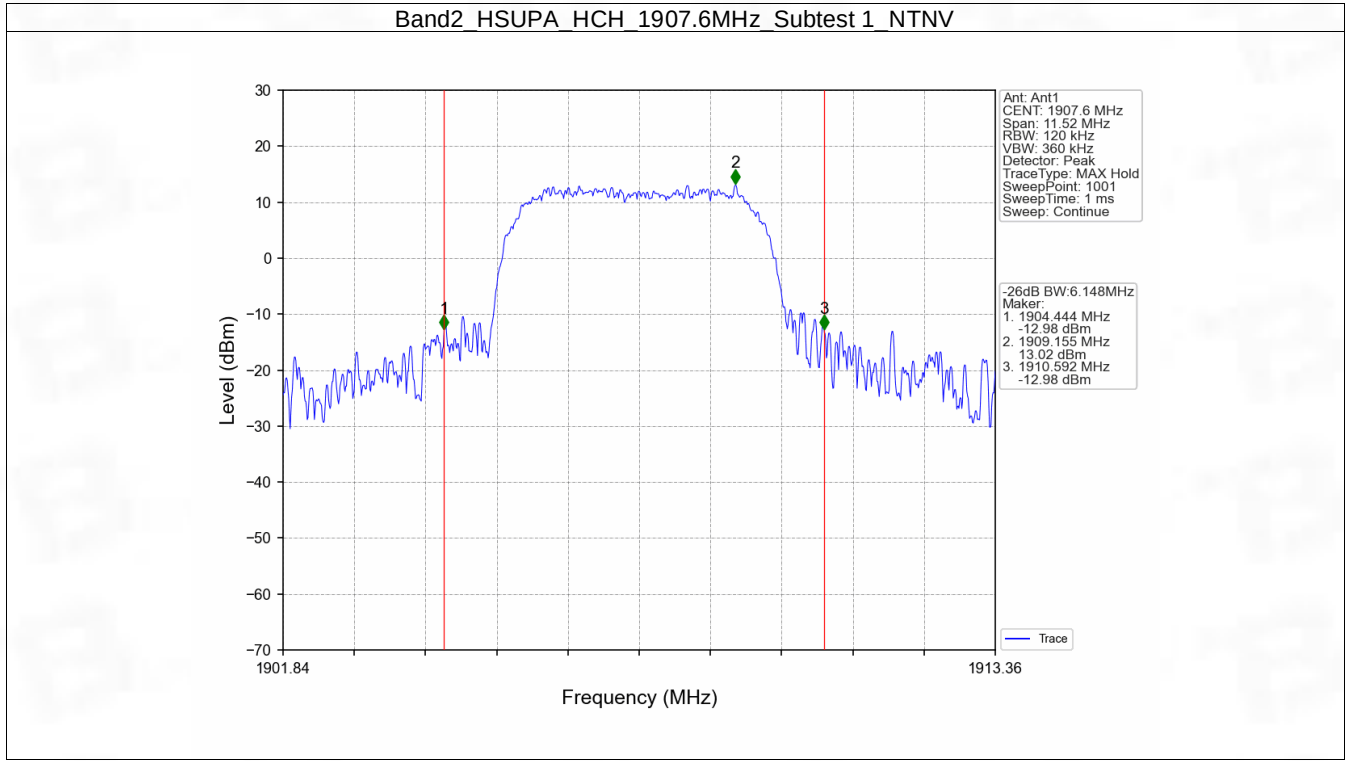


Band2 HSUPA LCH 1852.4MHz Subtest 1 NTN



Band2 HSUPA MCH 1880MHz Subtest 1 NTN





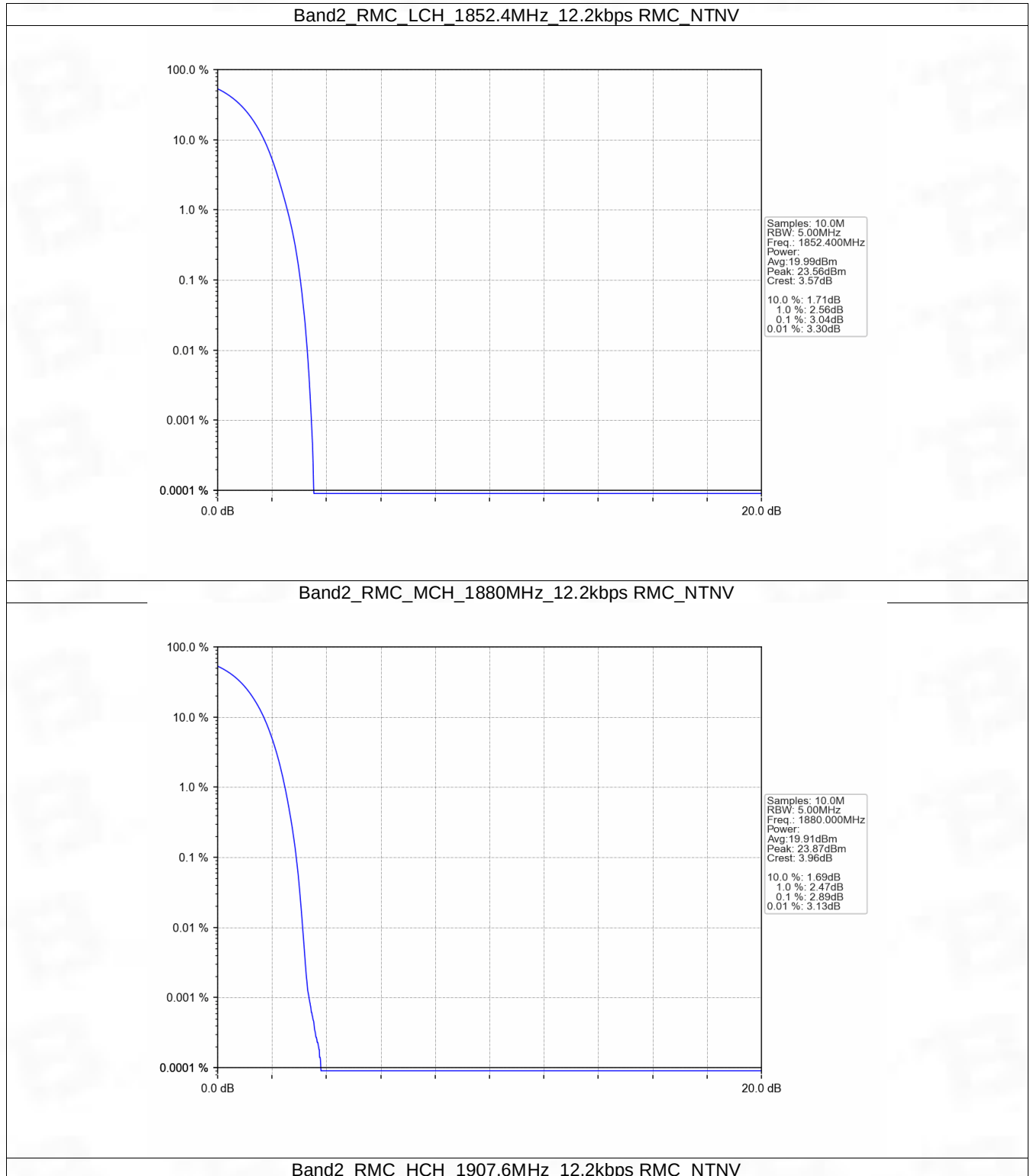
5. Peak-Average Ratio

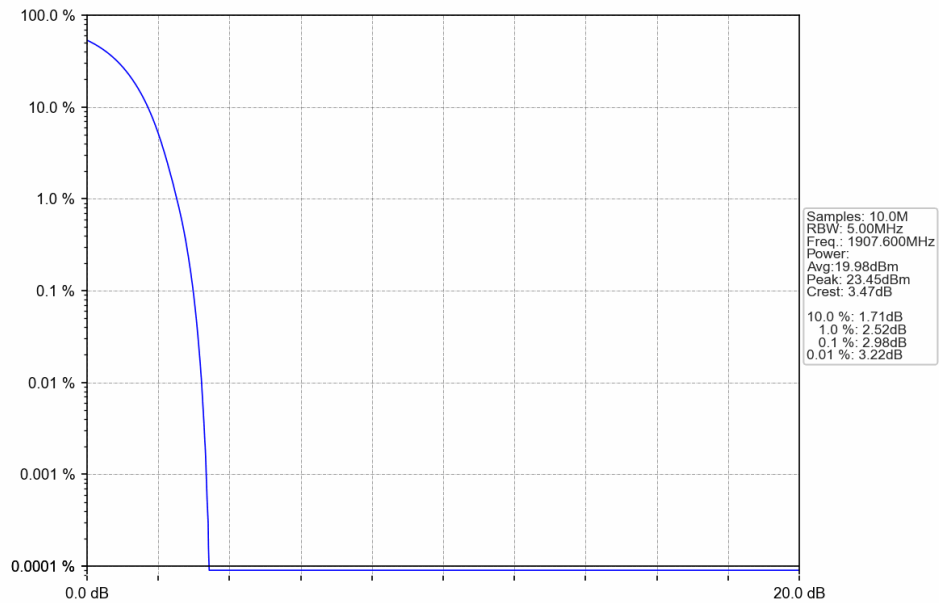
5.1 Band2

5.1.1 Test Result

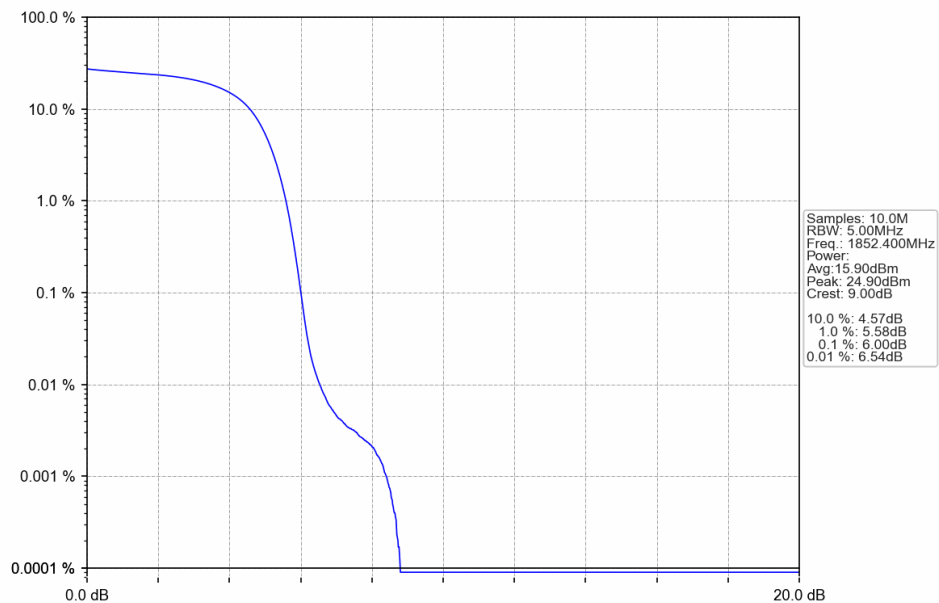
Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.04	<=13	Pass
			1880	2.89	<=13	Pass
			1907.6	2.98	<=13	Pass
	HSDPA	Subtest 1	1852.4	6.00	<=13	Pass
			1880	5.96	<=13	Pass
			1907.6	5.98	<=13	Pass
	HSUPA	Subtest 1	1852.4	5.99	<=13	Pass
			1880	5.96	<=13	Pass
			1907.6	5.97	<=13	Pass

5.1.2 Test Graph

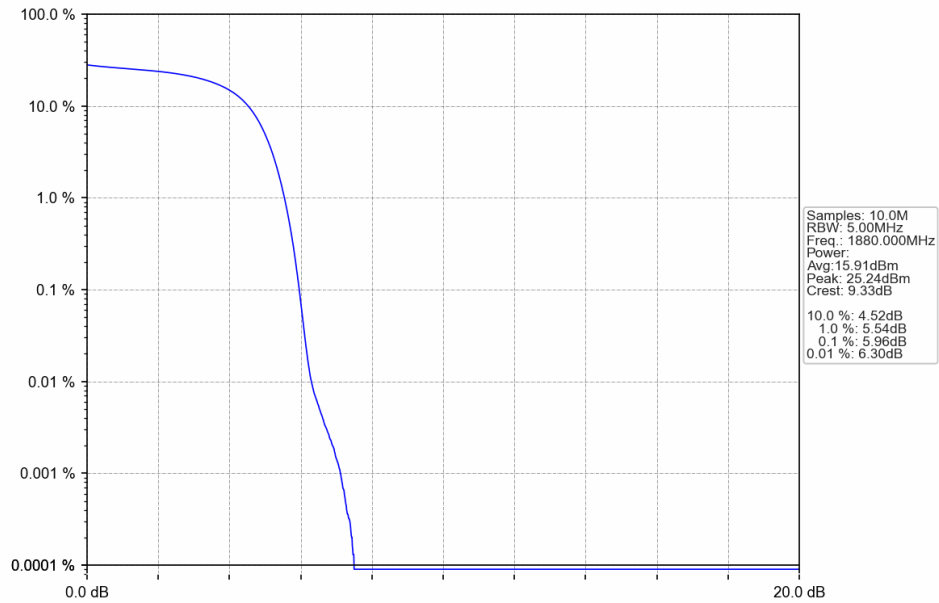




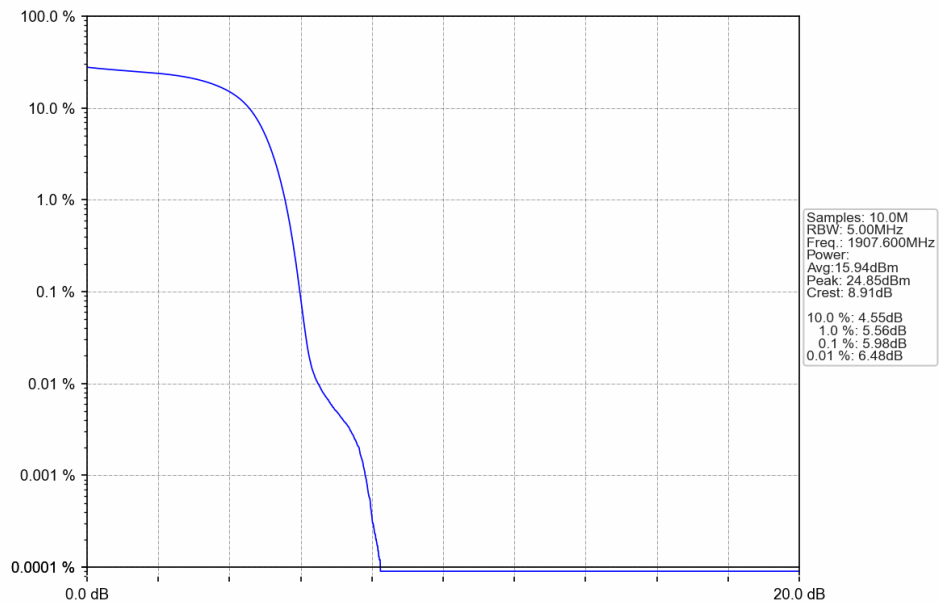
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



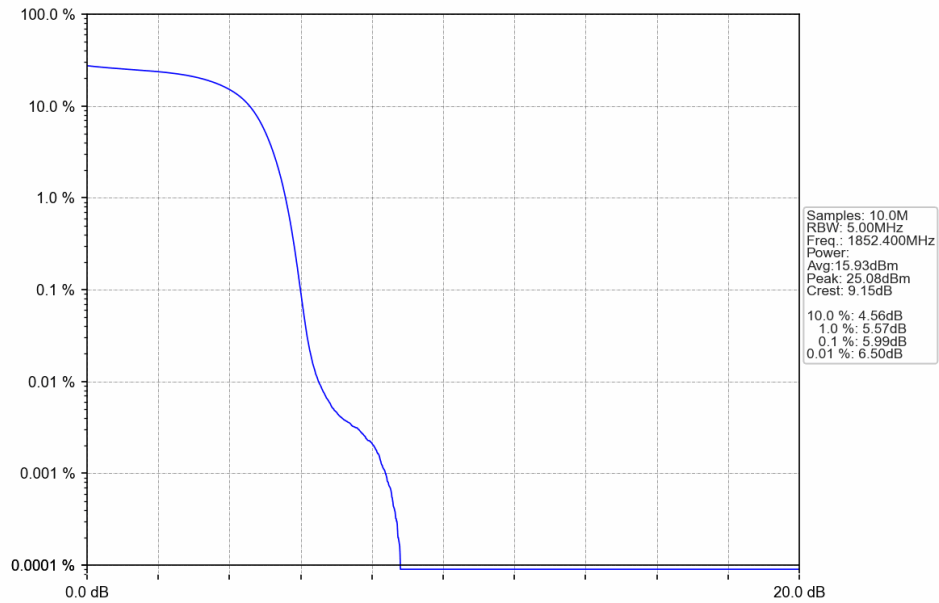
Band2 HSDPA MCH 1880MHz Subtest 1 NTNV



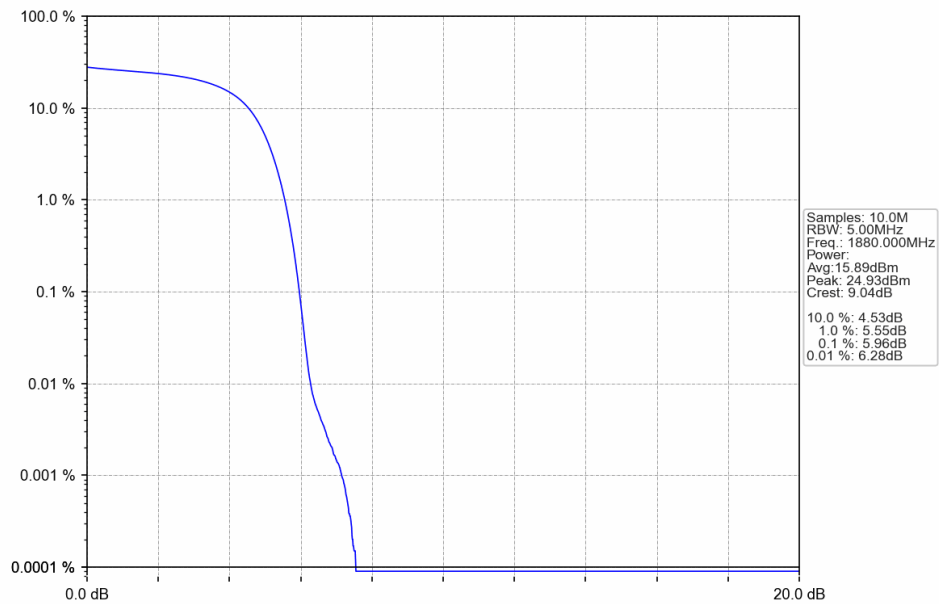
Band2 HSDPA HCH 1907.6MHz Subtest 1 NTNV



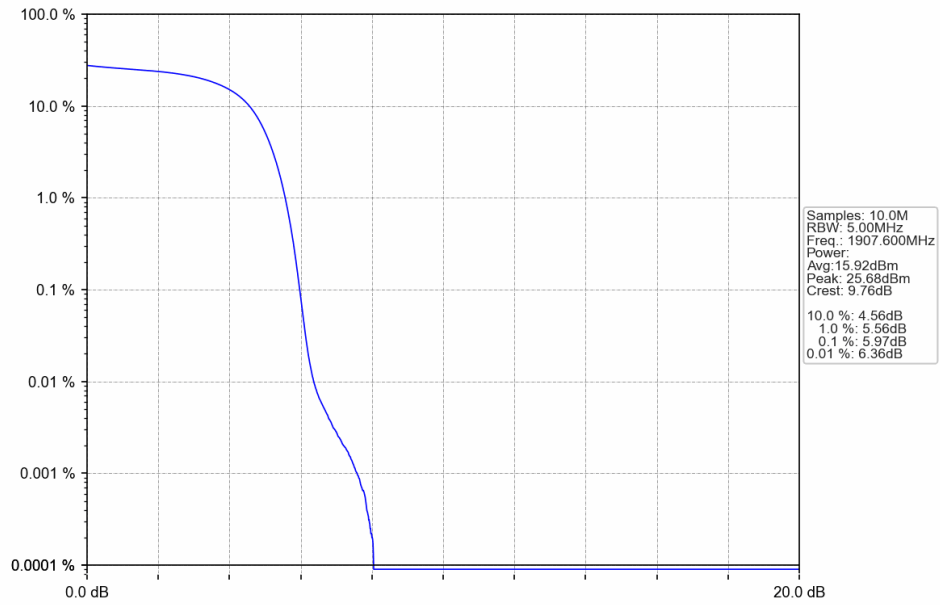
Band2 HSUPA LCH 1852.4MHz Subtest 1 NTN



Band2 HSUPA MCH 1880MHz Subtest 1 NTN



Band2 HSUPA HCH 1907.6MHz Subtest 1_NTNV



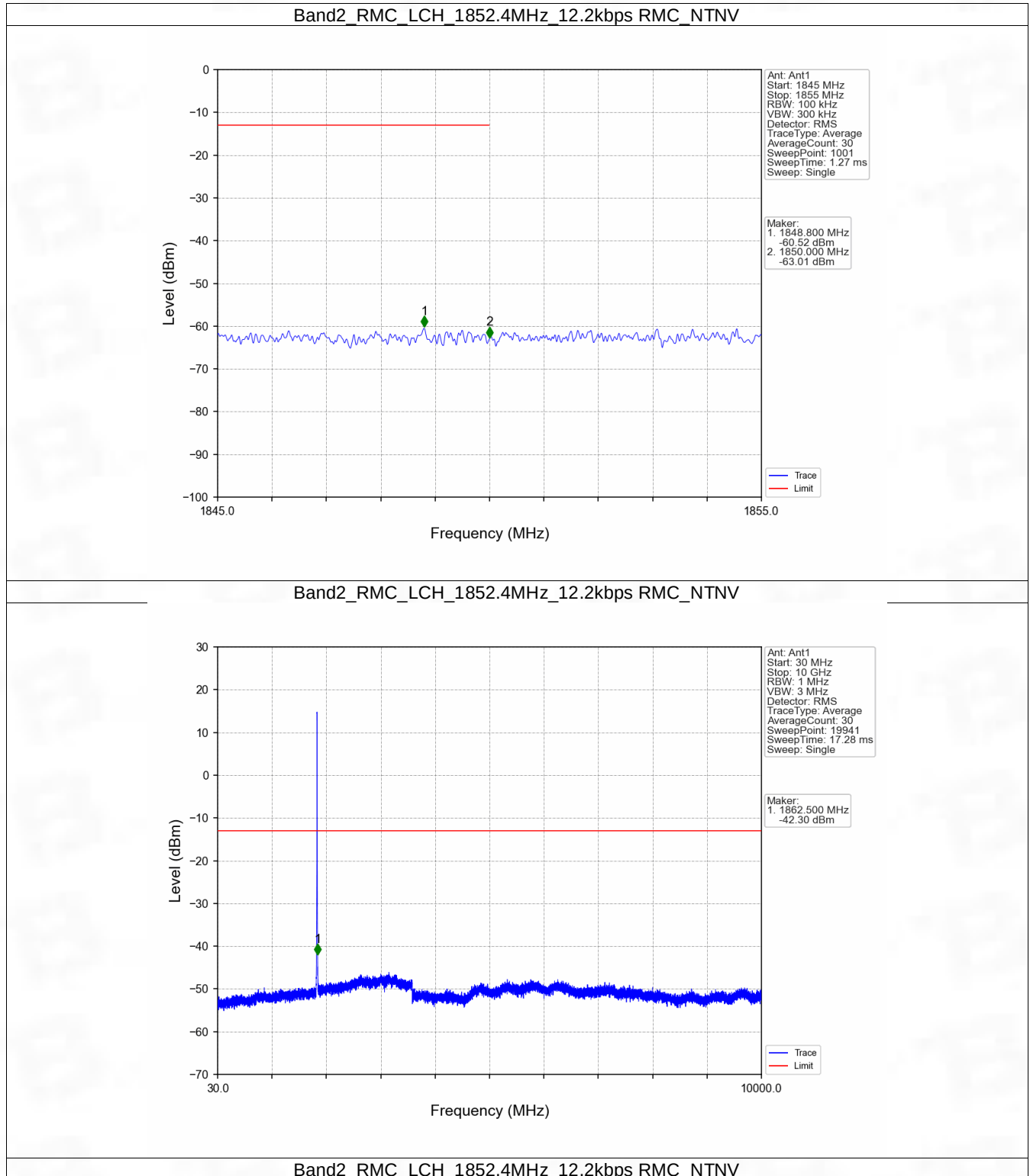
6. Spurious Emission

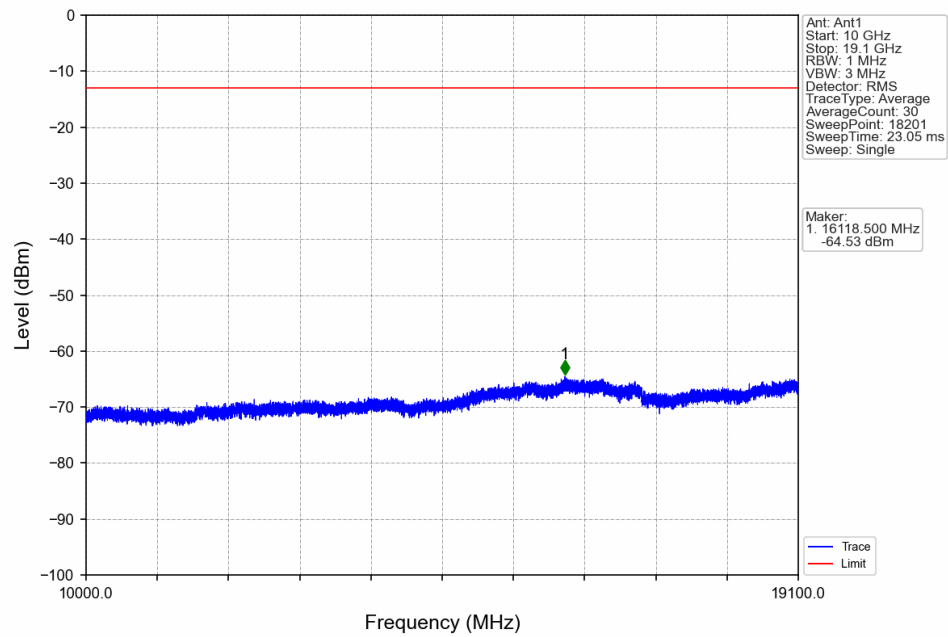
6.1 Band2

6.1.1 Test Result

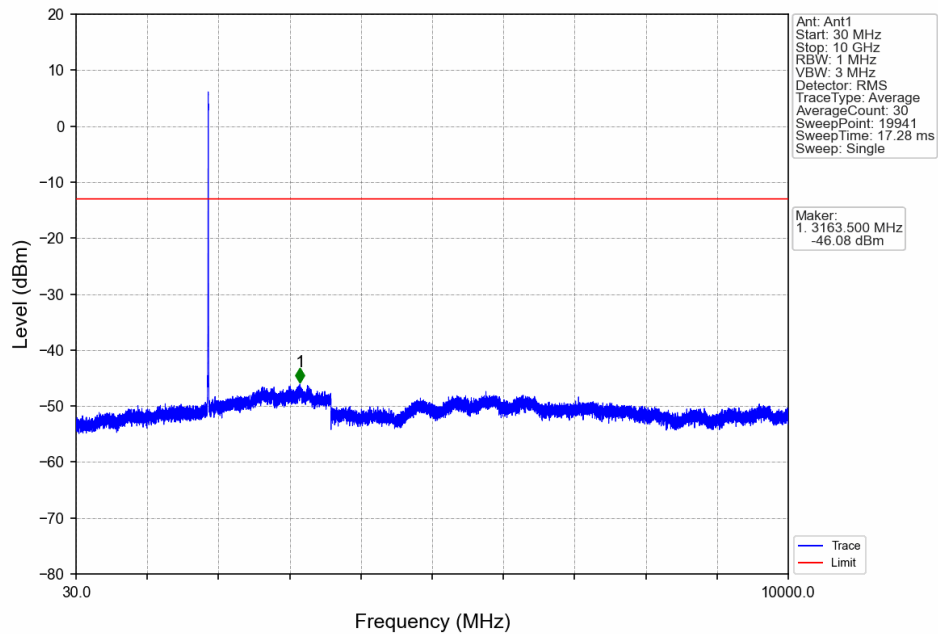
Band: 2						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass
	HSDPA	Subtest 1	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		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

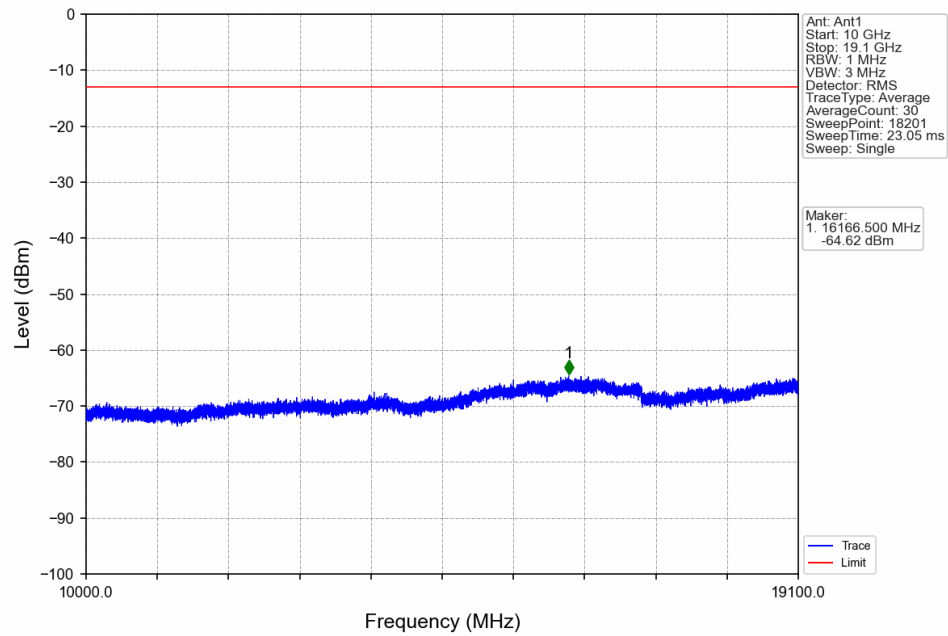




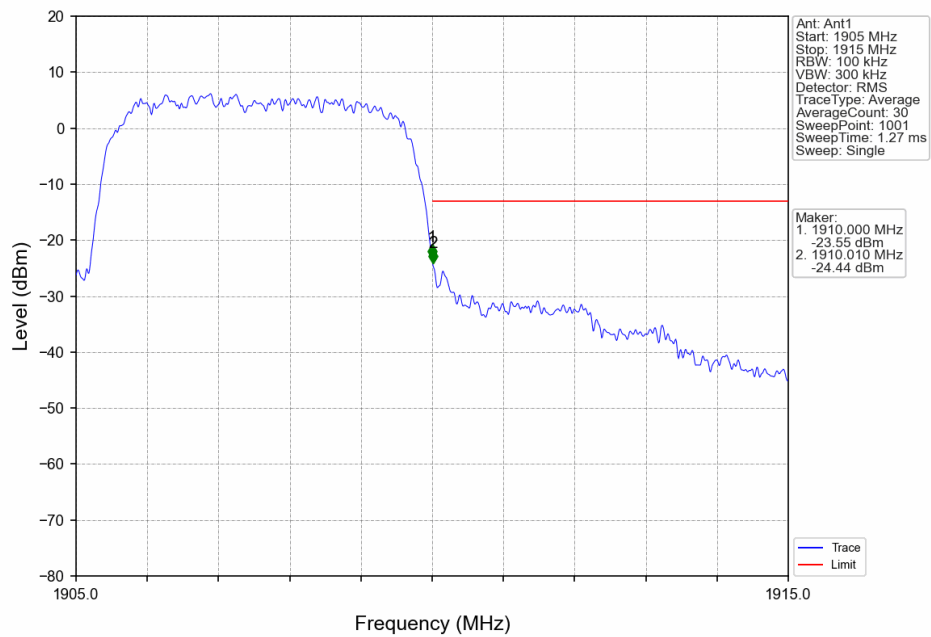
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



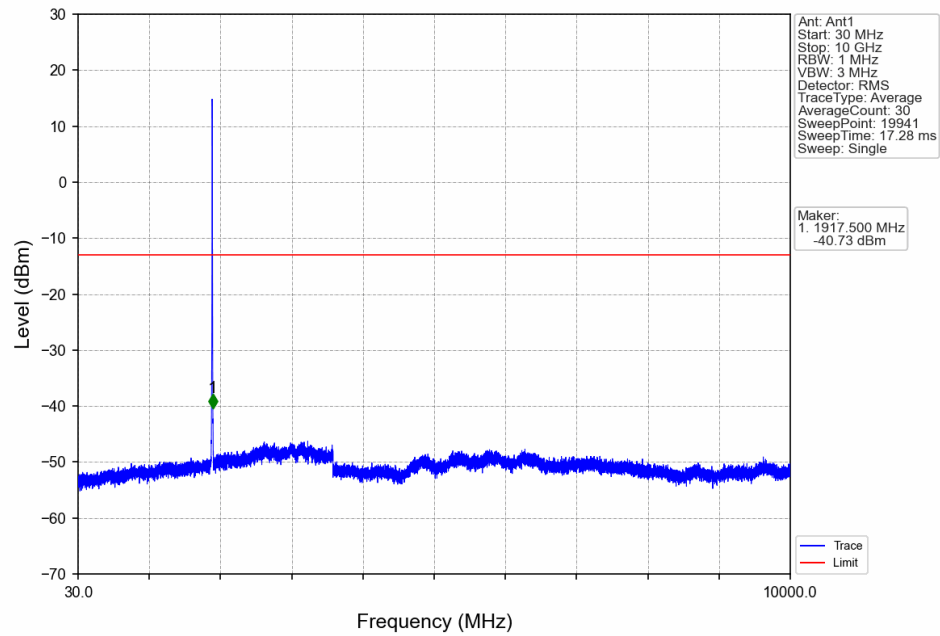
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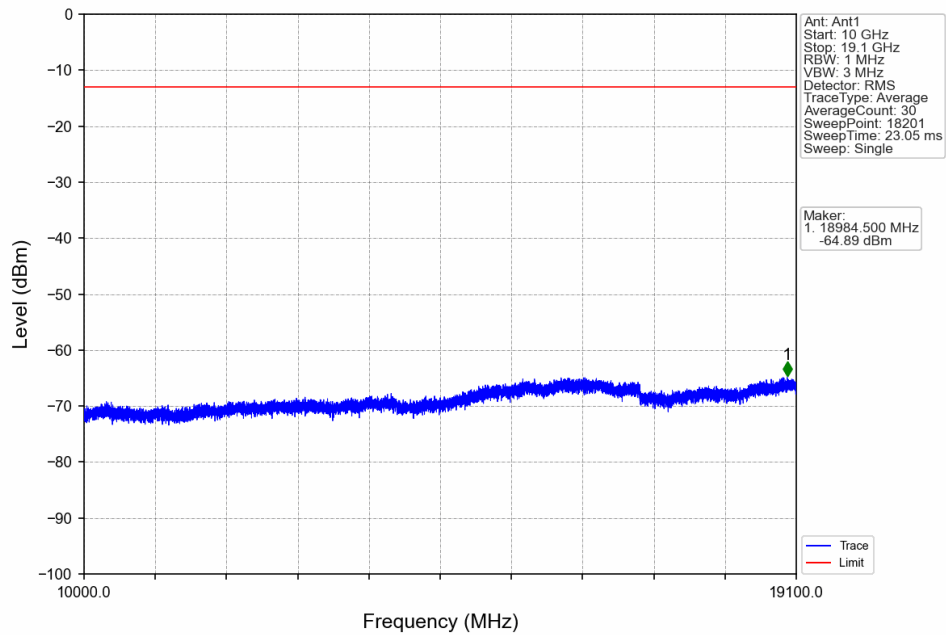
Band2_RMC_HCH_1907.6MHz_12.2kbps_RMC_NTNV



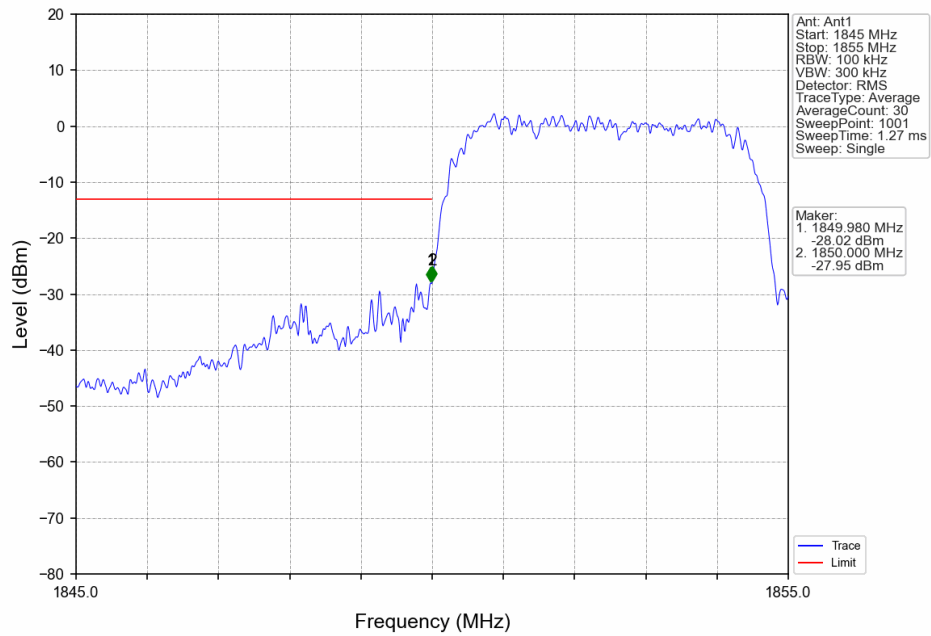
Band2 RMC HCH 1907.6MHz 12.2kbps RMC NTN



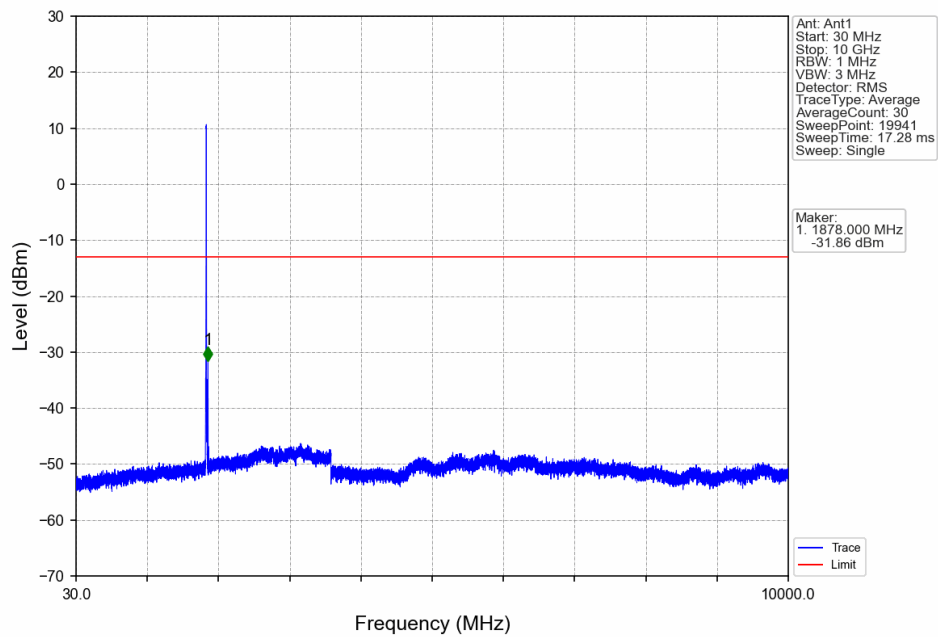
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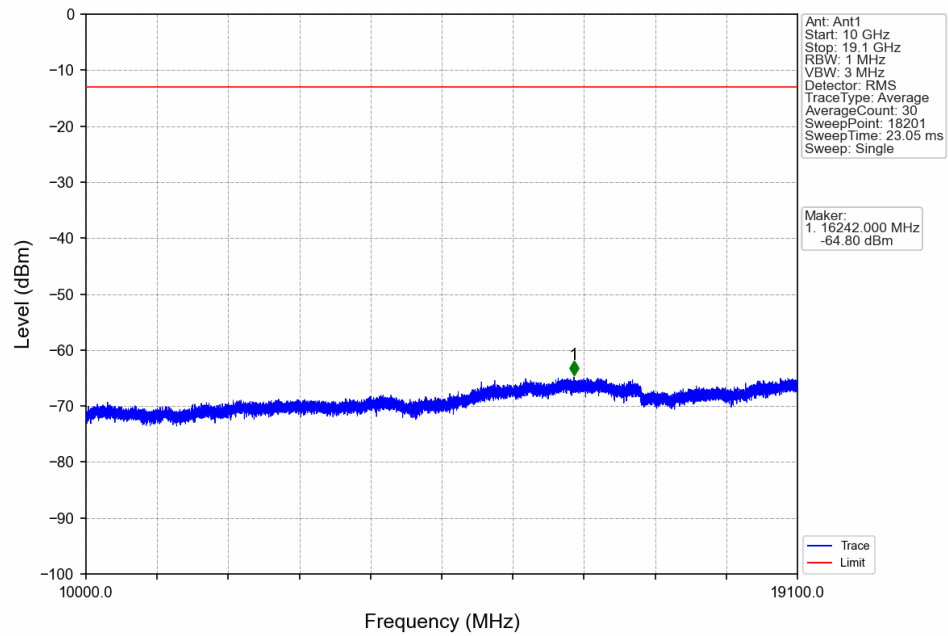
Band2 HSDPA LCH 1852.4MHz Subtest 1 NTN



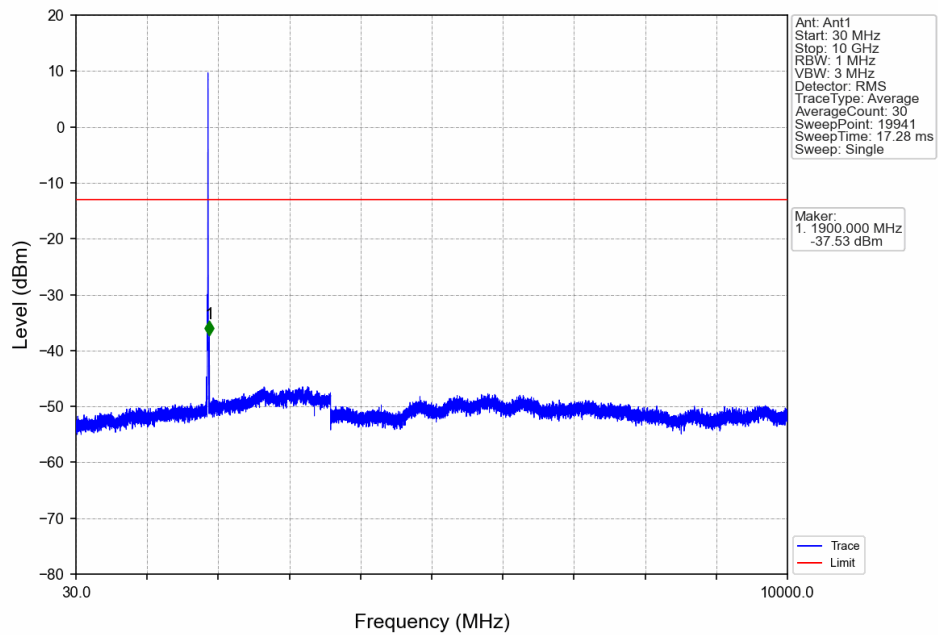
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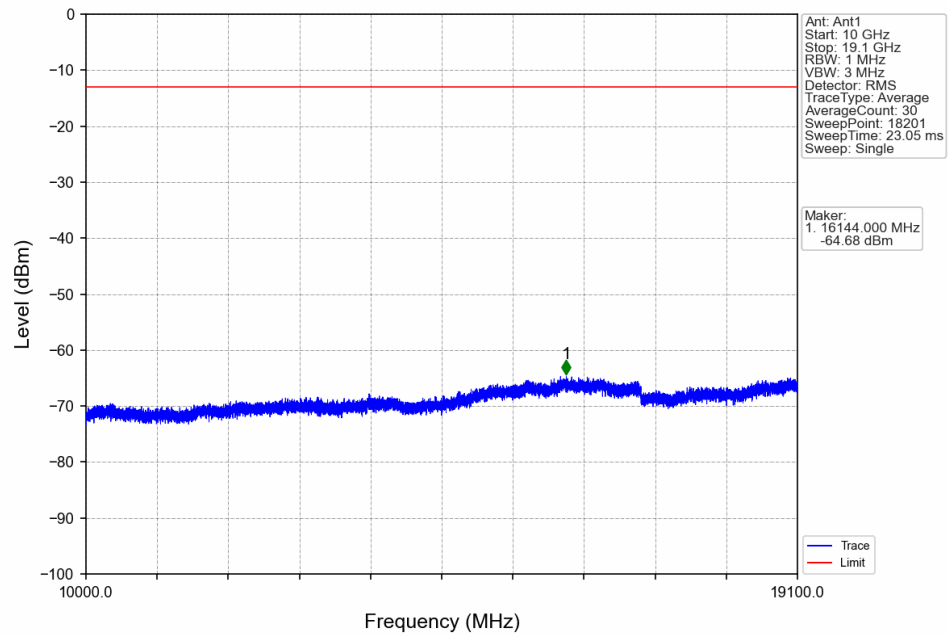
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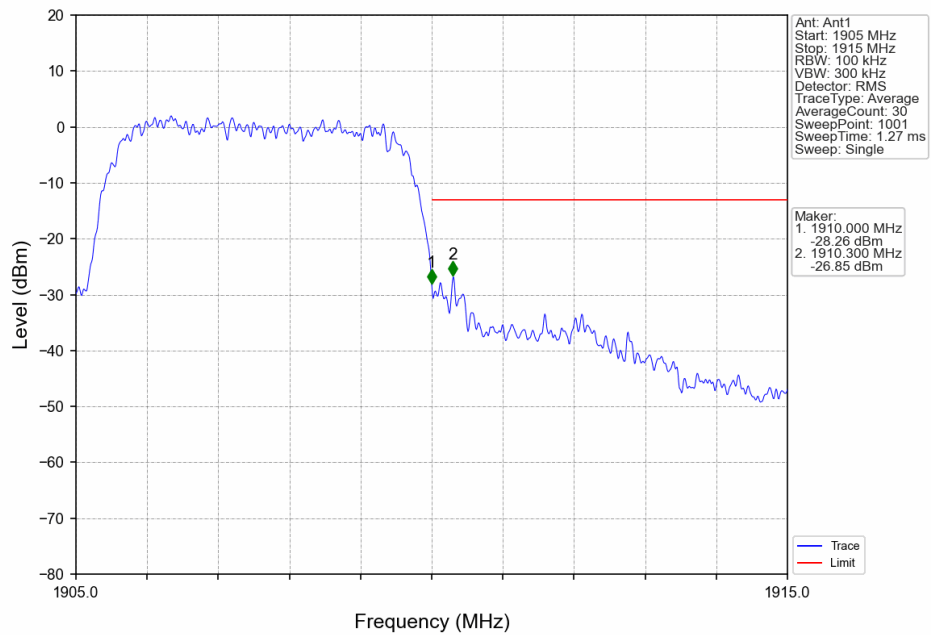
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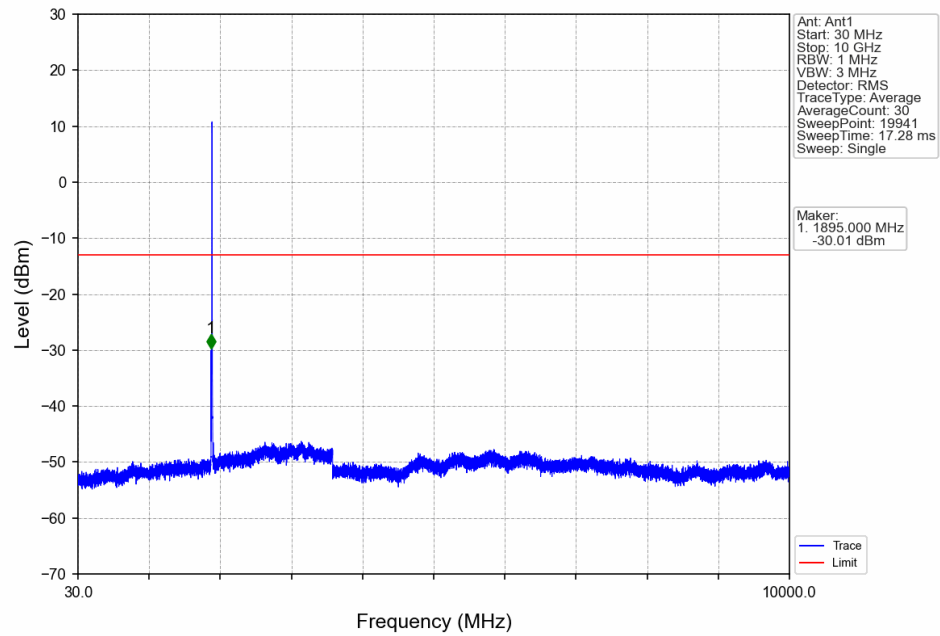
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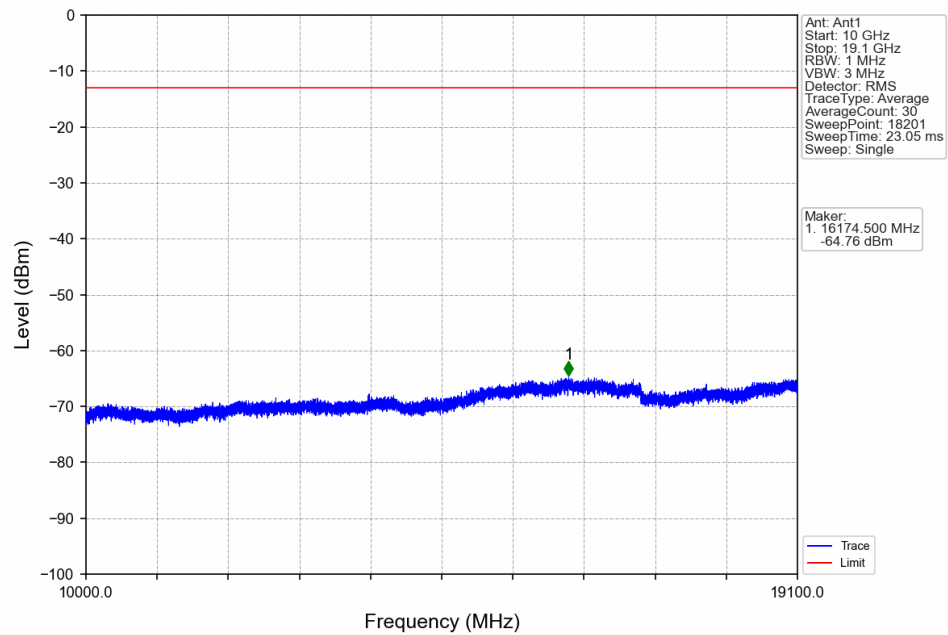
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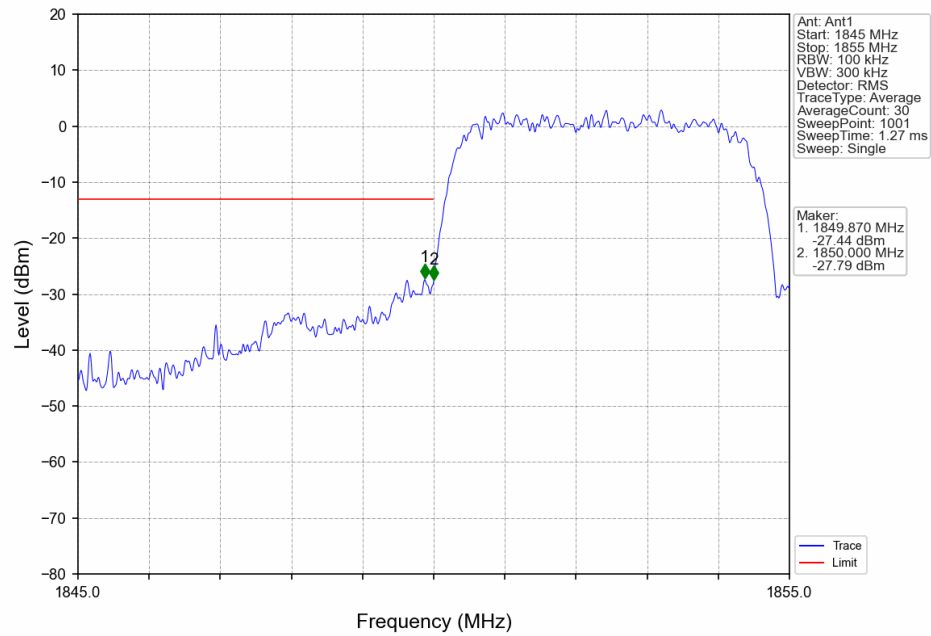
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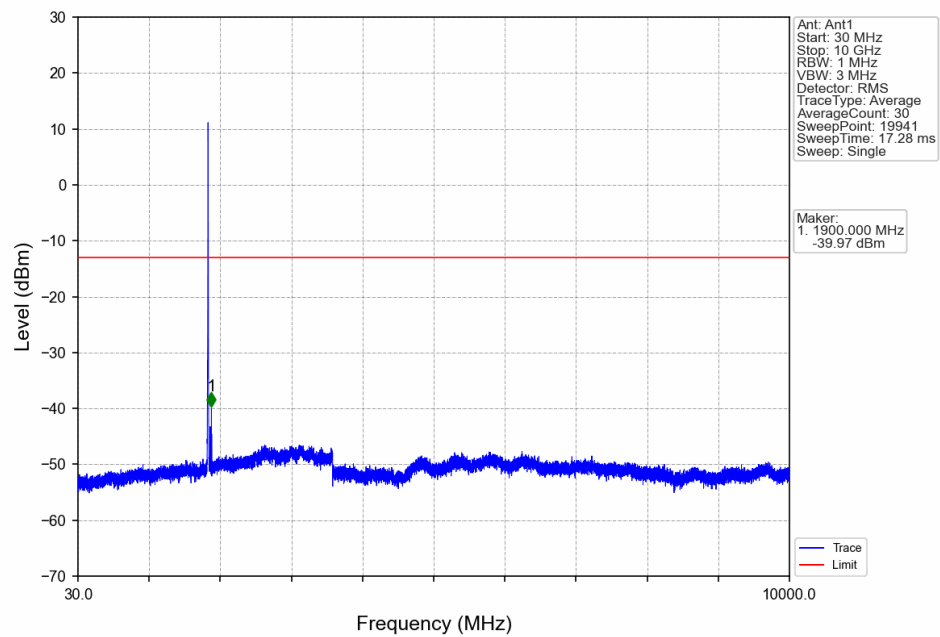
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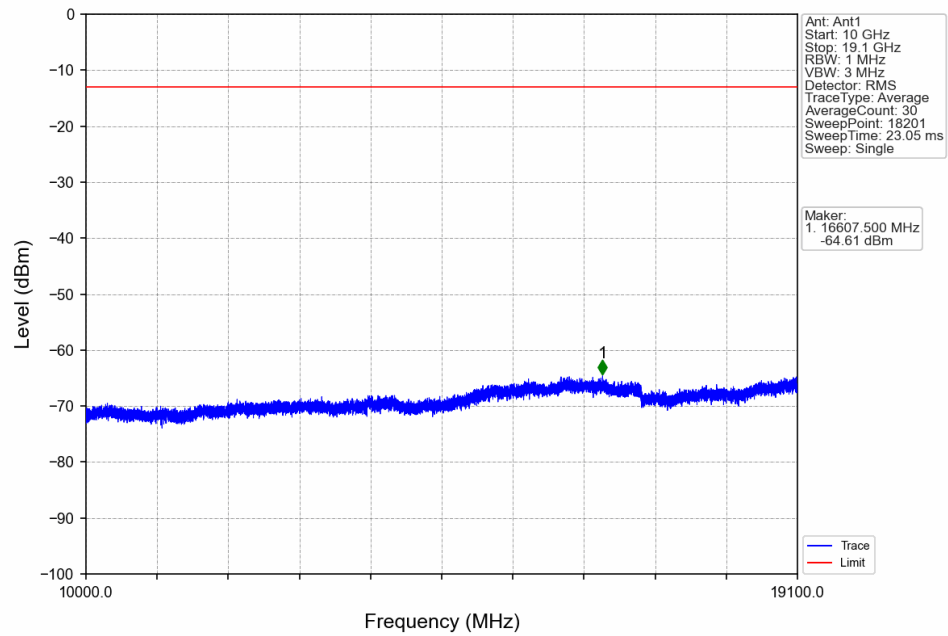
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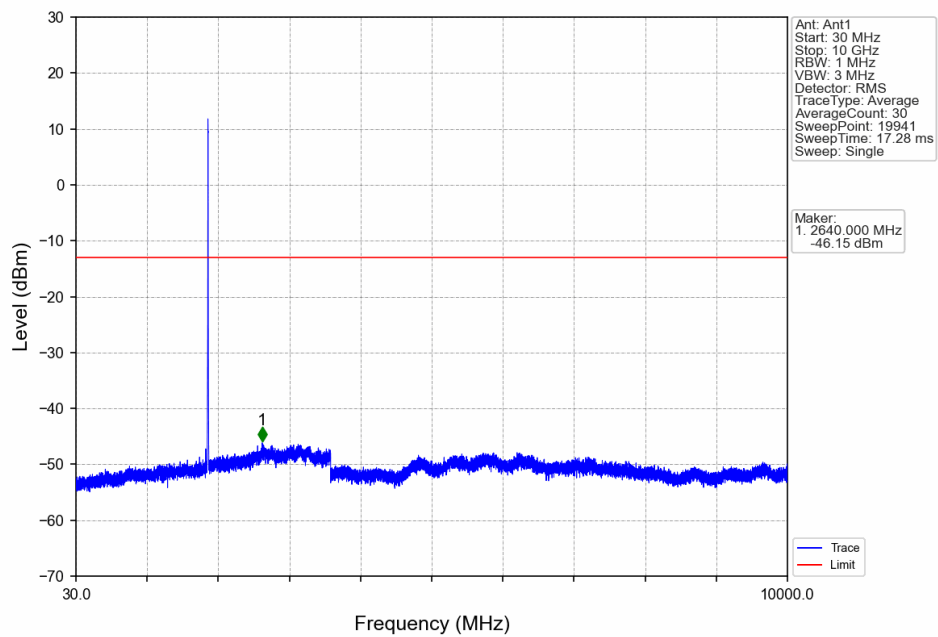
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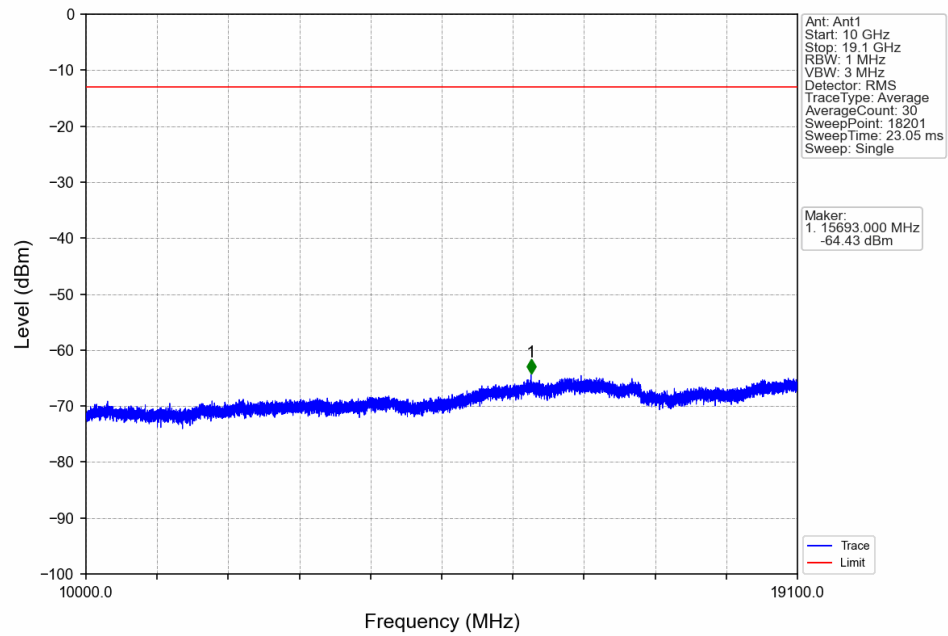
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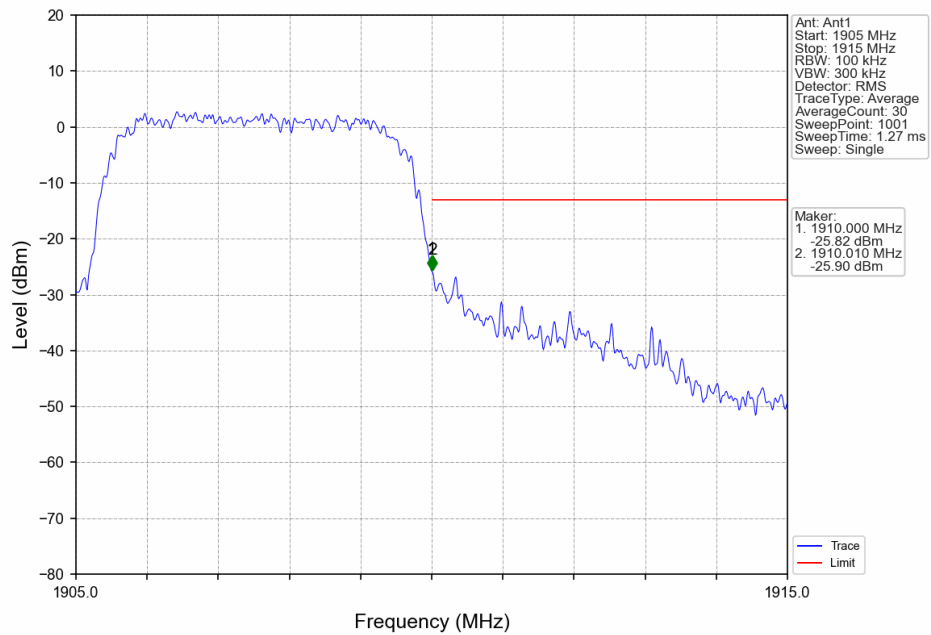
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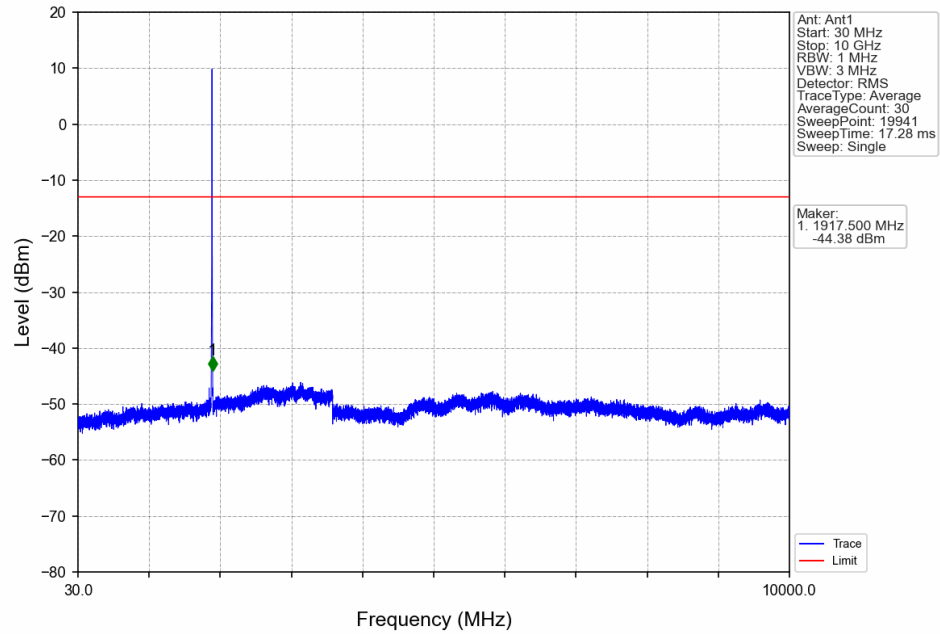
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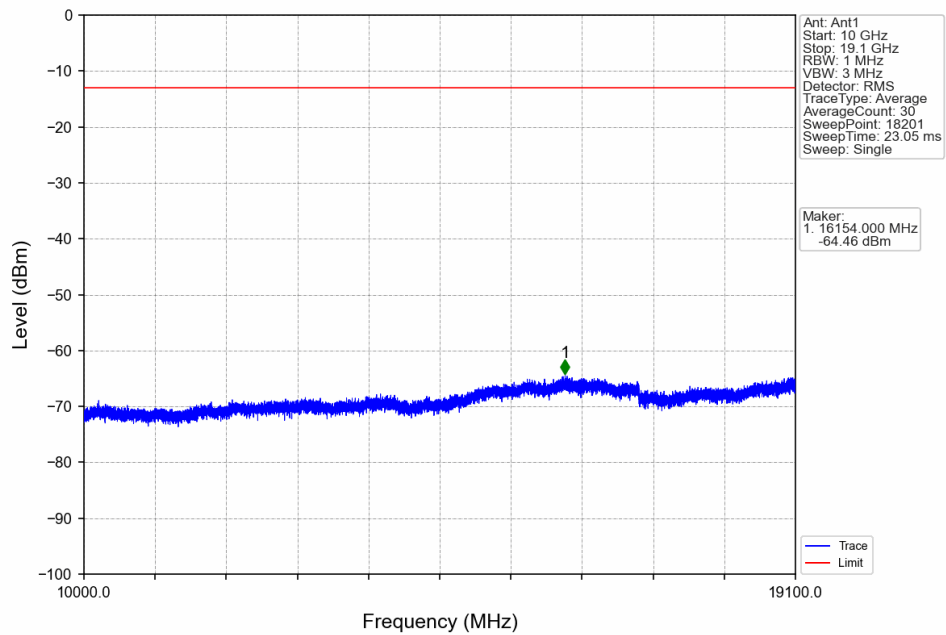
Band2 HSUPA HCH 1907.6MHz Subtest 1 NTNV



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	0.1710	0.0101	ppm	4M26F9W	24E	22.33

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	0.2000	0.0101	ppm	4M26F9W	24E	23.01