

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	22.32	-0.4	21.92	<=33.01	Pass	
			1880	22.1	-0.4	21.7	<=33.01	Pass	
			1907.6	22.07	-0.4	21.67	<=33.01	Pass	
	HSDPA	Subtest 1	1852.4	22.68	-0.4	22.28	<=33.01	Pass	
		Subtest 2	1852.4	22.66	-0.4	22.26	<=33.01	Pass	
		Subtest 3	1852.4	22.69	-0.4	22.29	<=33.01	Pass	
		Subtest 4	1852.4	22.71	-0.4	22.31	<=33.01	Pass	
		Subtest 1	1880	22.32	-0.4	21.92	<=33.01	Pass	
		Subtest 2	1880	22.31	-0.4	21.91	<=33.01	Pass	
		Subtest 3	1880	22.31	-0.4	21.91	<=33.01	Pass	
		Subtest 4	1880	22.33	-0.4	21.93	<=33.01	Pass	
		Subtest 1	1907.6	22.31	-0.4	21.91	<=33.01	Pass	
		Subtest 2	1907.6	22.37	-0.4	21.97	<=33.01	Pass	
		Subtest 3	1907.6	22.36	-0.4	21.96	<=33.01	Pass	
		Subtest 4	1907.6	22.32	-0.4	21.92	<=33.01	Pass	
		HSUPA	Subtest 1	1852.4	21.53	-0.4	21.13	<=33.01	Pass
			Subtest 2	1852.4	21.42	-0.4	21.02	<=33.01	Pass
			Subtest 3	1852.4	21.12	-0.4	20.72	<=33.01	Pass
			Subtest 4	1852.4	21.1	-0.4	20.7	<=33.01	Pass
	Subtest 5		1852.4	20.86	-0.4	20.46	<=33.01	Pass	
	Subtest 1		1880	21.01	-0.4	20.61	<=33.01	Pass	
	Subtest 2		1880	20.59	-0.4	20.19	<=33.01	Pass	
	Subtest 3		1880	21.07	-0.4	20.67	<=33.01	Pass	
	Subtest 4		1880	20.71	-0.4	20.31	<=33.01	Pass	
	Subtest 5		1880	21.14	-0.4	20.74	<=33.01	Pass	
	Subtest 1		1907.6	21.07	-0.4	20.67	<=33.01	Pass	
	Subtest 2		1907.6	21.19	-0.4	20.79	<=33.01	Pass	
	Subtest 3		1907.6	21.07	-0.4	20.67	<=33.01	Pass	
	Subtest 4		1907.6	21.05	-0.4	20.65	<=33.01	Pass	
	Subtest 5	1907.6	20.58	-0.4	20.18	<=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	12	-0.615	-0.0003	-2.5 to 2.5	Pass
			24	-5.164	-0.0028	-2.5 to 2.5	Pass

			48	-2.094	-0.0011	-2.5 to 2.5	Pass	
		-30	24	2.204	0.0012	-2.5 to 2.5	Pass	
		-20	24	-4.489	-0.0024	-2.5 to 2.5	Pass	
		-10	24	-2.127	-0.0011	-2.5 to 2.5	Pass	
		0	24	-9.960	-0.0054	-2.5 to 2.5	Pass	
		10	24	-5.718	-0.0031	-2.5 to 2.5	Pass	
		30	24	8.677	0.0047	-2.5 to 2.5	Pass	
		40	24	-1.356	-0.0007	-2.5 to 2.5	Pass	
		50	24	2.277	0.0012	-2.5 to 2.5	Pass	
		1880	20	12	-6.324	-0.0034	-2.5 to 2.5	Pass
				24	-1.618	-0.0009	-2.5 to 2.5	Pass
				48	-1.315	-0.0007	-2.5 to 2.5	Pass
			-30	24	2.511	0.0013	-2.5 to 2.5	Pass
			-20	24	3.959	0.0021	-2.5 to 2.5	Pass
	-10		24	-3.189	-0.0017	-2.5 to 2.5	Pass	
	0		24	9.801	0.0052	-2.5 to 2.5	Pass	
	10		24	0.753	0.0004	-2.5 to 2.5	Pass	
	30		24	-9.259	-0.0049	-2.5 to 2.5	Pass	
	40		24	3.983	0.0021	-2.5 to 2.5	Pass	
	50	24	-7.768	-0.0041	-2.5 to 2.5	Pass		
	1907.6	20	12	9.214	0.0048	-2.5 to 2.5	Pass	
			24	-1.796	-0.0009	-2.5 to 2.5	Pass	
			48	1.563	0.0008	-2.5 to 2.5	Pass	
		-30	24	-6.442	-0.0034	-2.5 to 2.5	Pass	
		-20	24	6.614	0.0035	-2.5 to 2.5	Pass	
		-10	24	-5.177	-0.0027	-2.5 to 2.5	Pass	
		0	24	-0.612	-0.0003	-2.5 to 2.5	Pass	
		10	24	0.495	0.0003	-2.5 to 2.5	Pass	
		30	24	0.629	0.0003	-2.5 to 2.5	Pass	
		40	24	3.474	0.0018	-2.5 to 2.5	Pass	
		50	24	-9.378	-0.0049	-2.5 to 2.5	Pass	
		HSDPA	1852.4	20	12	-2.590	-0.0014	-2.5 to 2.5
	24				0.099	0.0001	-2.5 to 2.5	Pass
	48				1.394	0.0008	-2.5 to 2.5	Pass
	-30			24	1.919	0.0010	-2.5 to 2.5	Pass
	-20			24	1.138	0.0006	-2.5 to 2.5	Pass
-10	24			3.187	0.0017	-2.5 to 2.5	Pass	
0	24			3.227	0.0017	-2.5 to 2.5	Pass	
10	24			2.922	0.0016	-2.5 to 2.5	Pass	
30	24			4.021	0.0022	-2.5 to 2.5	Pass	
40	24			3.314	0.0018	-2.5 to 2.5	Pass	
50	24		-5.413	-0.0029	-2.5 to 2.5	Pass		
1880	20		12	-4.795	-0.0026	-2.5 to 2.5	Pass	
			24	-2.200	-0.0012	-2.5 to 2.5	Pass	
			48	9.392	0.0050	-2.5 to 2.5	Pass	
	-30		24	11.696	0.0062	-2.5 to 2.5	Pass	
	-20		24	4.766	0.0025	-2.5 to 2.5	Pass	
	-10		24	-1.718	-0.0009	-2.5 to 2.5	Pass	
	0		24	-1.164	-0.0006	-2.5 to 2.5	Pass	
	10		24	1.411	0.0008	-2.5 to 2.5	Pass	
	30		24	13.983	0.0074	-2.5 to 2.5	Pass	
	40		24	8.085	0.0043	-2.5 to 2.5	Pass	
50	24		0.954	0.0005	-2.5 to 2.5	Pass		
1907.6	20		12	0.661	0.0003	-2.5 to 2.5	Pass	
			24	0.790	0.0004	-2.5 to 2.5	Pass	
		48	-0.181	-0.0001	-2.5 to 2.5	Pass		
		-30	24	4.423	0.0023	-2.5 to 2.5	Pass	

		-20	24	4.246	0.0022	-2.5 to 2.5	Pass
		-10	24	-5.220	-0.0027	-2.5 to 2.5	Pass
		0	24	5.978	0.0031	-2.5 to 2.5	Pass
		10	24	8.833	0.0046	-2.5 to 2.5	Pass
		30	24	5.388	0.0028	-2.5 to 2.5	Pass
		40	24	-1.973	-0.0010	-2.5 to 2.5	Pass
		50	24	-4.947	-0.0026	-2.5 to 2.5	Pass
HSUPA	1852.4	20	12	-13.463	-0.0073	-2.5 to 2.5	Pass
			24	-13.400	-0.0072	-2.5 to 2.5	Pass
			48	-13.074	-0.0071	-2.5 to 2.5	Pass
		-30	24	-4.184	-0.0023	-2.5 to 2.5	Pass
		-20	24	-0.472	-0.0003	-2.5 to 2.5	Pass
		-10	24	2.161	0.0012	-2.5 to 2.5	Pass
		0	24	4.951	0.0027	-2.5 to 2.5	Pass
		10	24	0.343	0.0002	-2.5 to 2.5	Pass
		30	24	3.094	0.0017	-2.5 to 2.5	Pass
		40	24	-1.731	-0.0009	-2.5 to 2.5	Pass
	50	24	4.311	0.0023	-2.5 to 2.5	Pass	
	1880	20	12	-14.655	-0.0078	-2.5 to 2.5	Pass
			24	-15.169	-0.0081	-2.5 to 2.5	Pass
			48	3.177	0.0017	-2.5 to 2.5	Pass
		-30	24	-5.677	-0.0030	-2.5 to 2.5	Pass
		-20	24	-6.031	-0.0032	-2.5 to 2.5	Pass
		-10	24	-9.933	-0.0053	-2.5 to 2.5	Pass
		0	24	-1.916	-0.0010	-2.5 to 2.5	Pass
		10	24	-10.314	-0.0055	-2.5 to 2.5	Pass
		30	24	-9.660	-0.0051	-2.5 to 2.5	Pass
		40	24	-11.800	-0.0063	-2.5 to 2.5	Pass
	50	24	-11.852	-0.0063	-2.5 to 2.5	Pass	
	1907.6	20	12	-5.361	-0.0028	-2.5 to 2.5	Pass
			24	-14.235	-0.0075	-2.5 to 2.5	Pass
			48	-9.223	-0.0048	-2.5 to 2.5	Pass
		-30	24	-0.302	-0.0002	-2.5 to 2.5	Pass
		-20	24	-3.584	-0.0019	-2.5 to 2.5	Pass
		-10	24	2.798	0.0015	-2.5 to 2.5	Pass
		0	24	-10.142	-0.0053	-2.5 to 2.5	Pass
		10	24	-13.800	-0.0072	-2.5 to 2.5	Pass
		30	24	-6.252	-0.0033	-2.5 to 2.5	Pass
		40	24	0.289	0.0002	-2.5 to 2.5	Pass
50	24	-0.459	-0.0002	-2.5 to 2.5	Pass		

3. 99% & 26dB Bandwidth

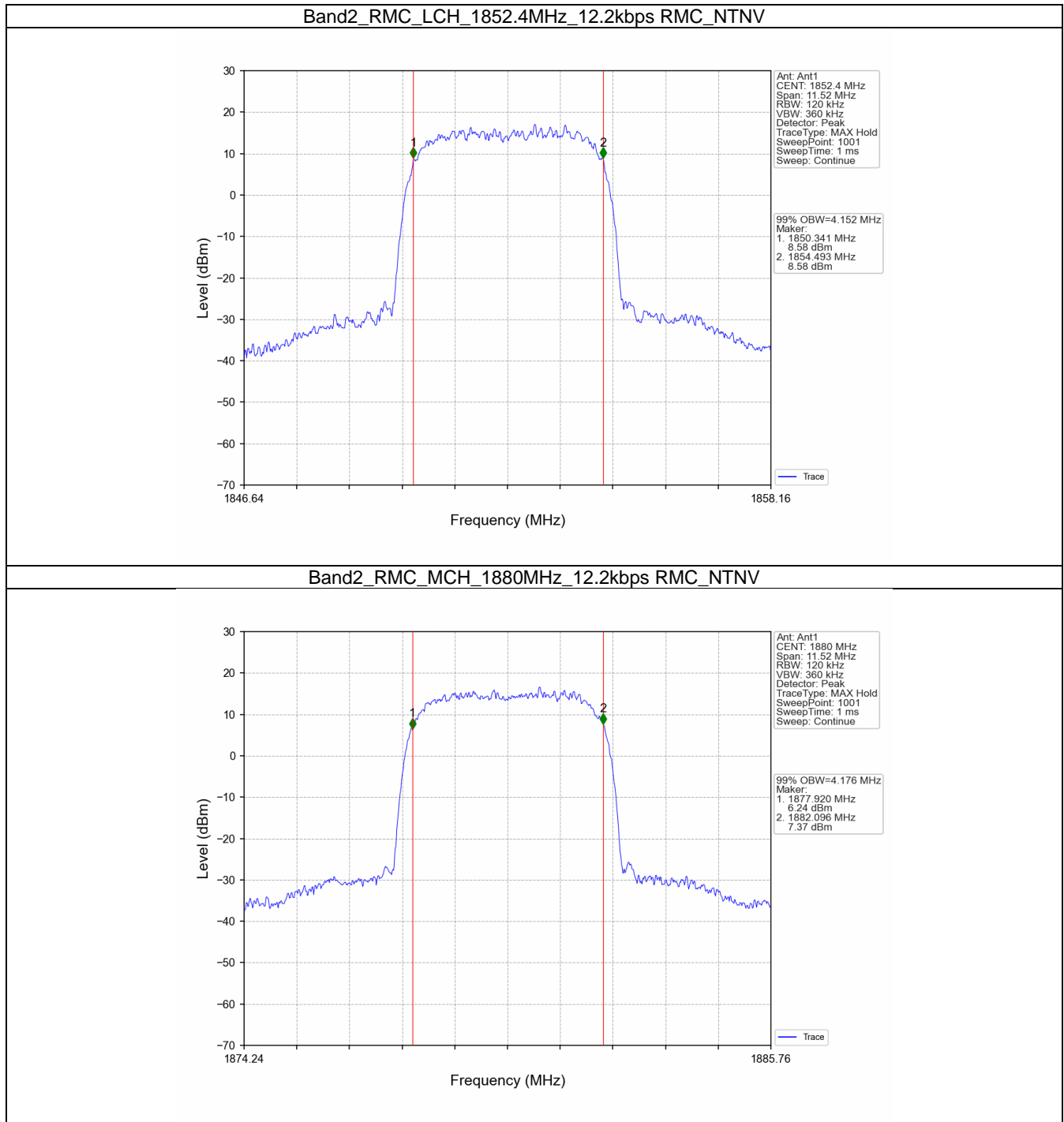
3.1 Band2_OBW

3.1.1 Test Result

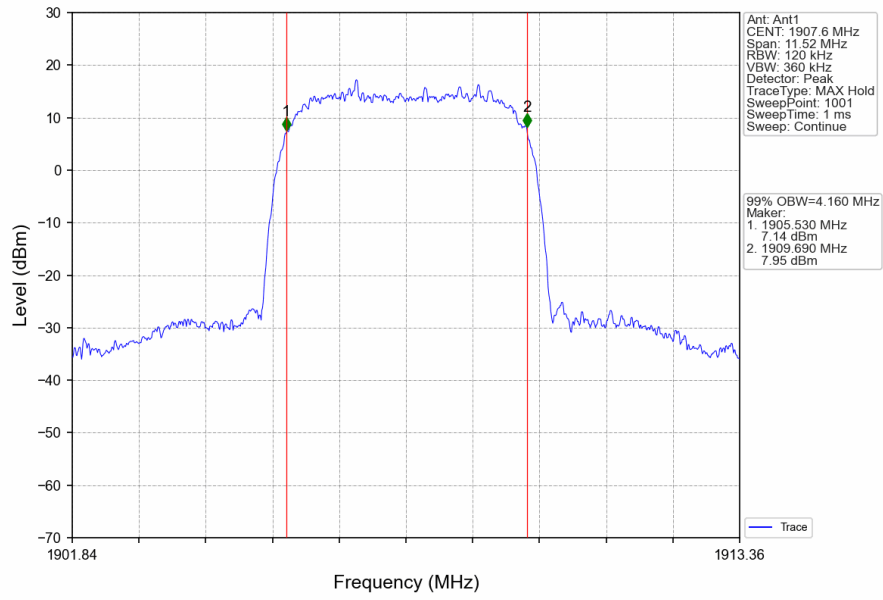
Band: 2						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.152	/	Pass
			1880	4.176	/	Pass
			1907.6	4.160	/	Pass
	HSDPA	Subtest 1	1852.4	4.151	/	Pass

			1880	4.149	/	Pass
			1907.6	4.148	/	Pass
	HSUPA	Subtest 1	1852.4	4.155	/	Pass
			1880	4.148	/	Pass
			1907.6	4.171	/	Pass

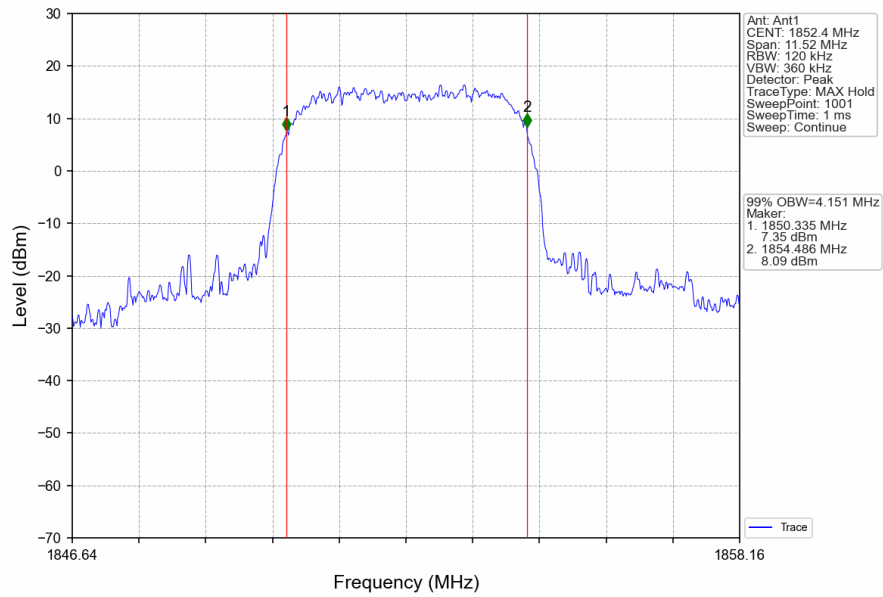
3.1.2 Test Graph



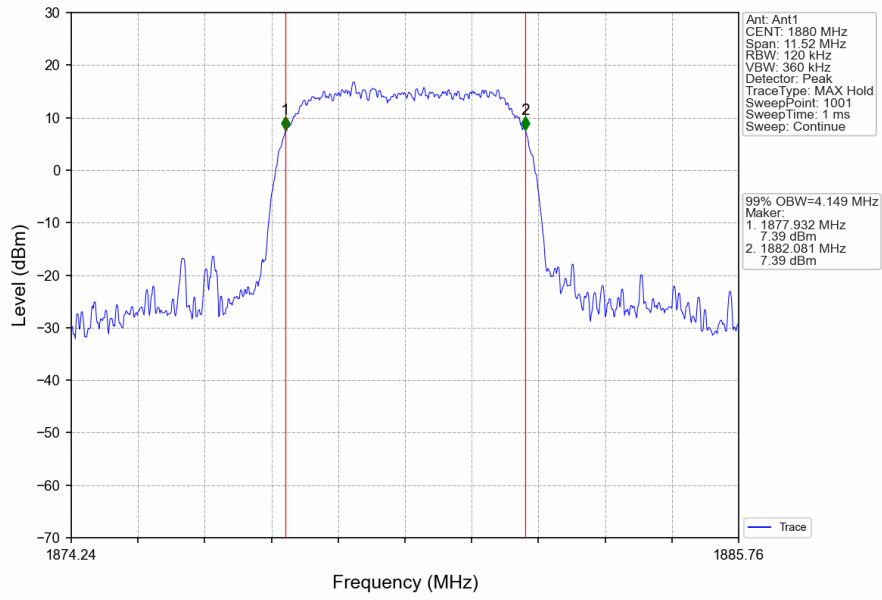
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



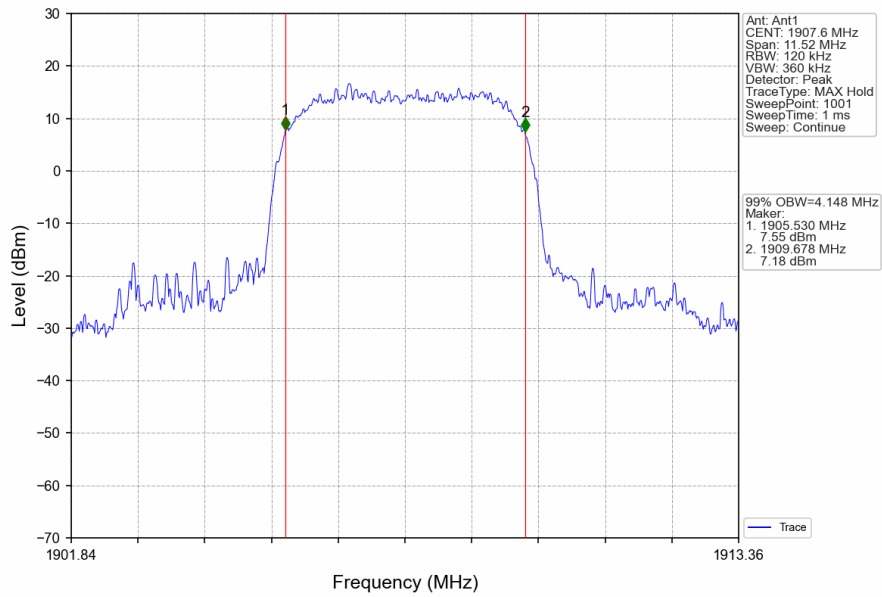
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



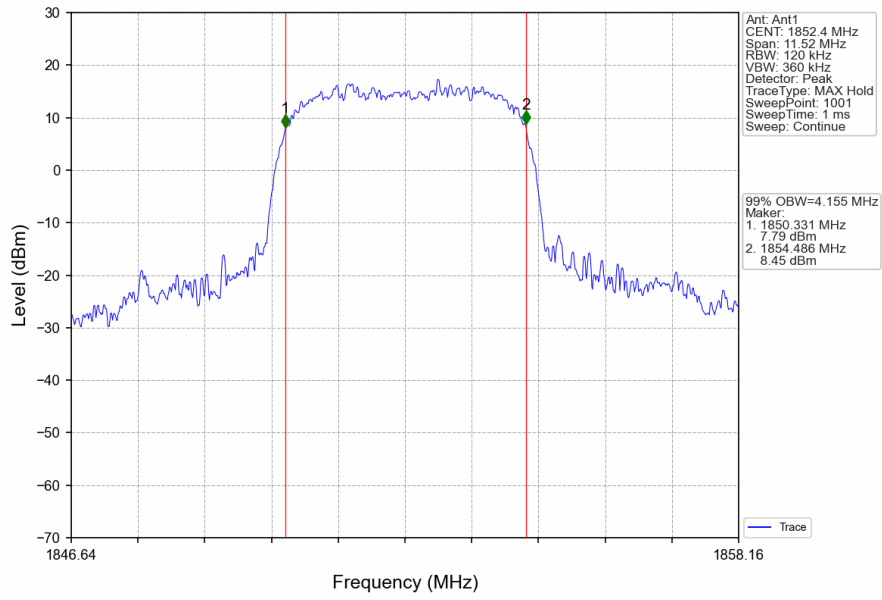
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



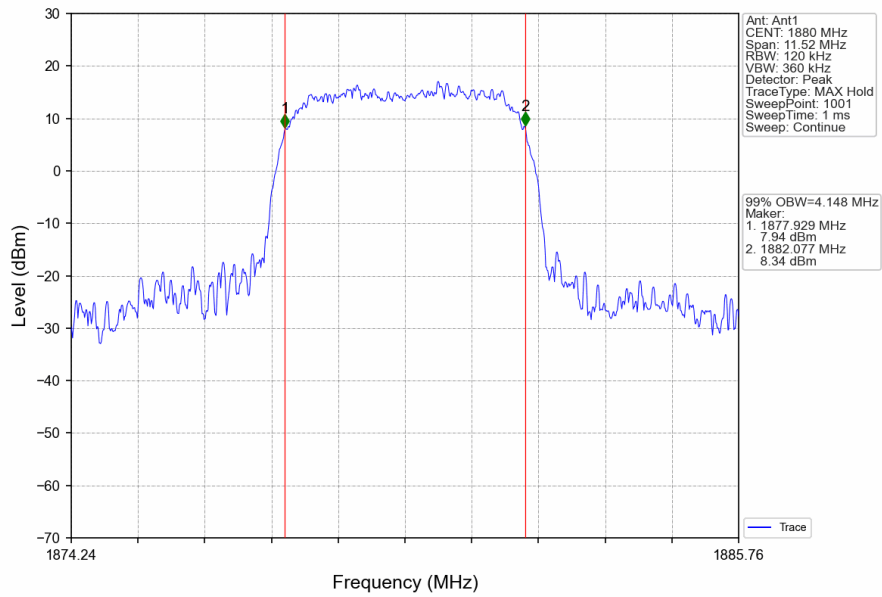
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



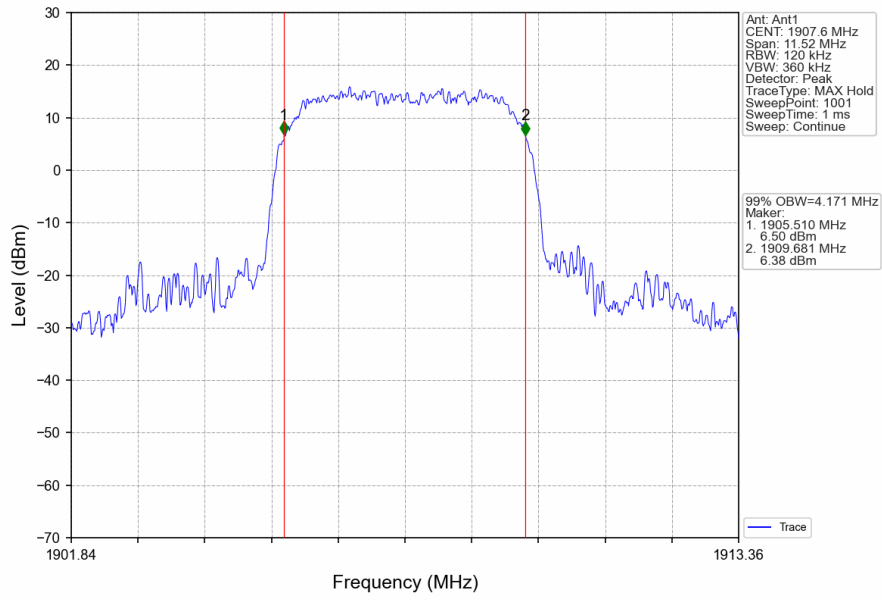
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

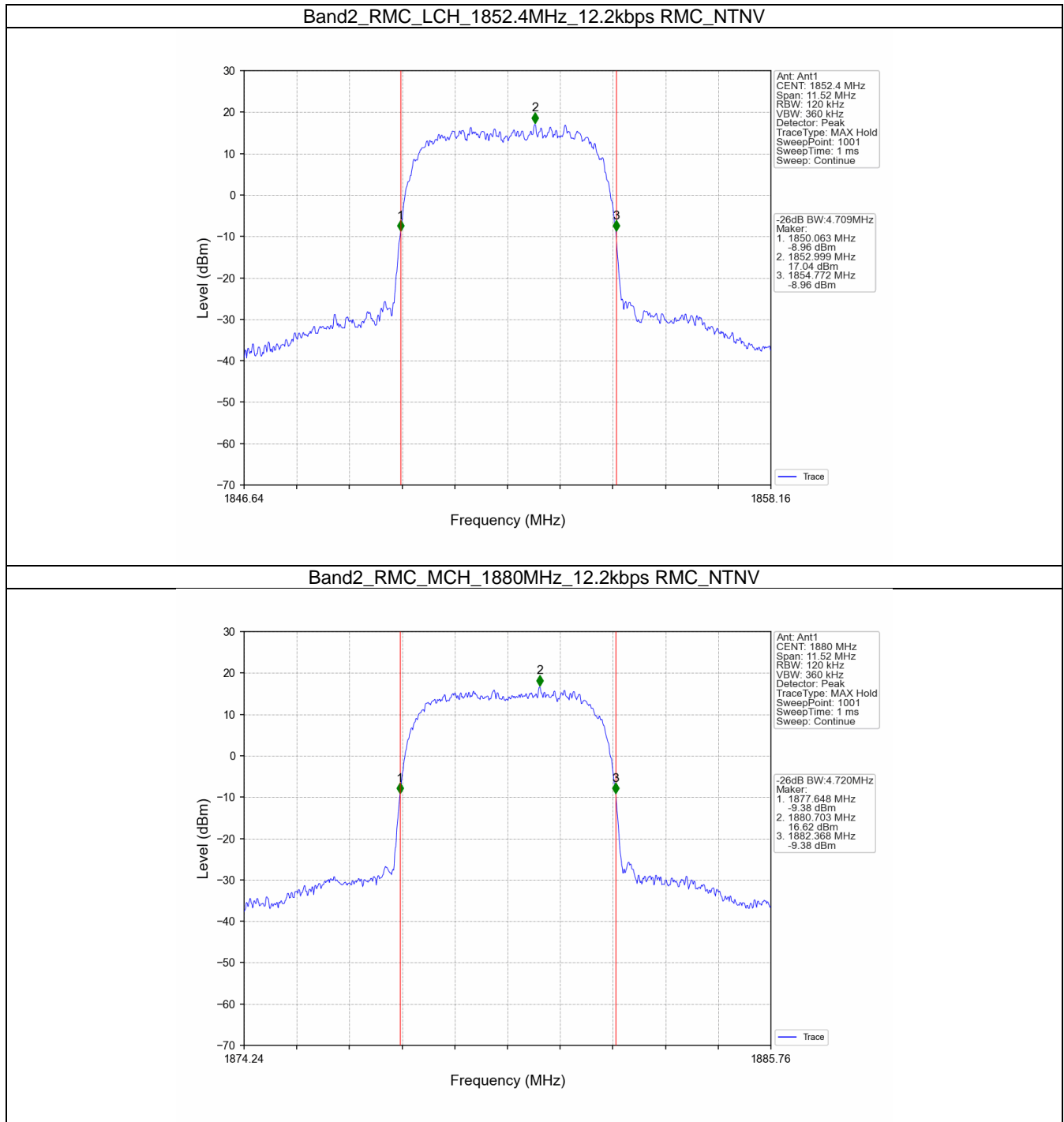


3.2 Band2_XDB

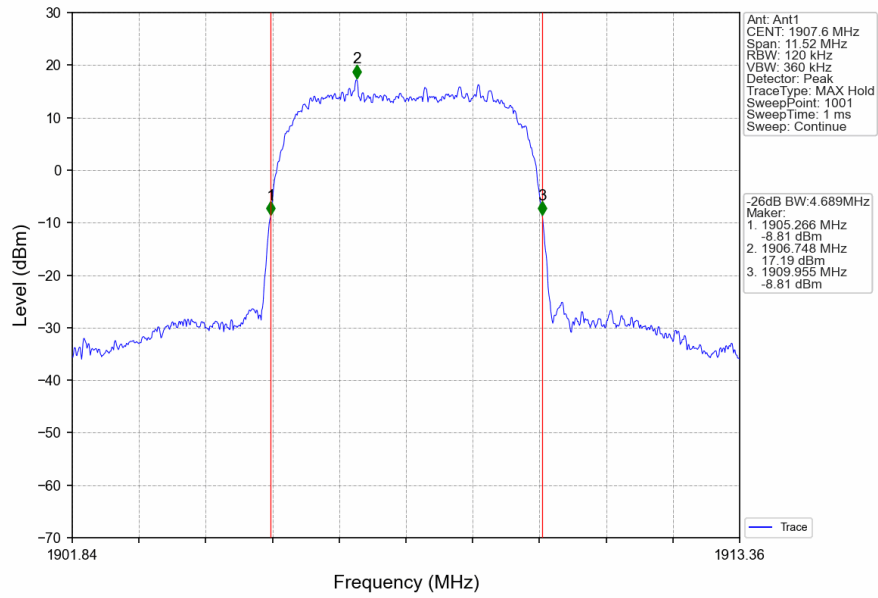
3.2.1 Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.709	/	Pass
			1880	4.720	/	Pass
			1907.6	4.689	/	Pass
	HSDPA	Subtest 1	1852.4	4.703	/	Pass
			1880	4.703	/	Pass
			1907.6	4.684	/	Pass
	HSUPA	Subtest 1	1852.4	4.707	/	Pass
			1880	4.697	/	Pass
			1907.6	4.709	/	Pass

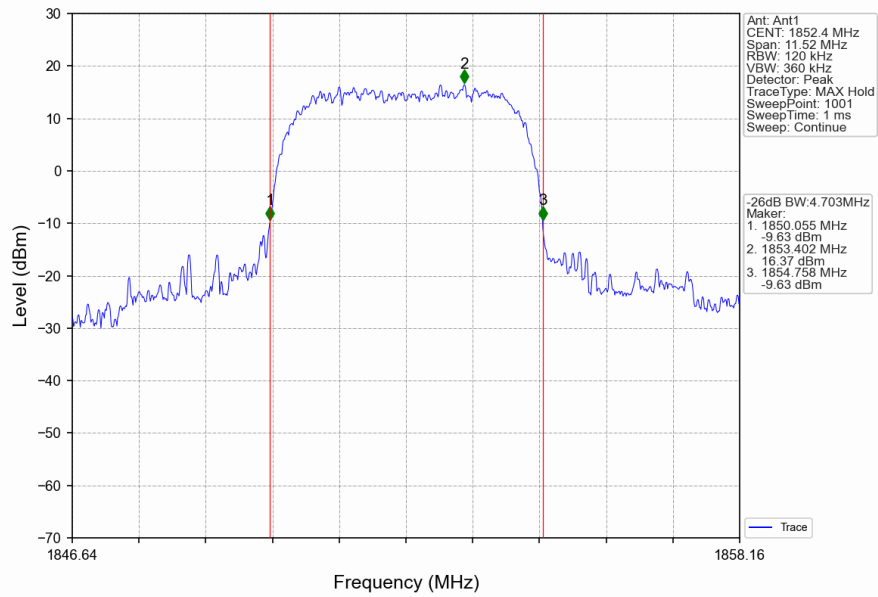
3.2.2 Test Graph



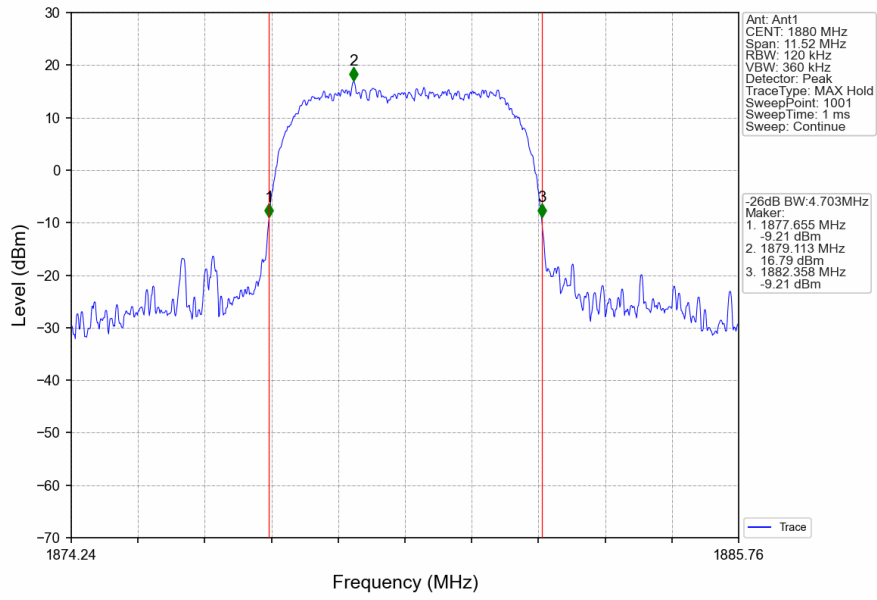
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



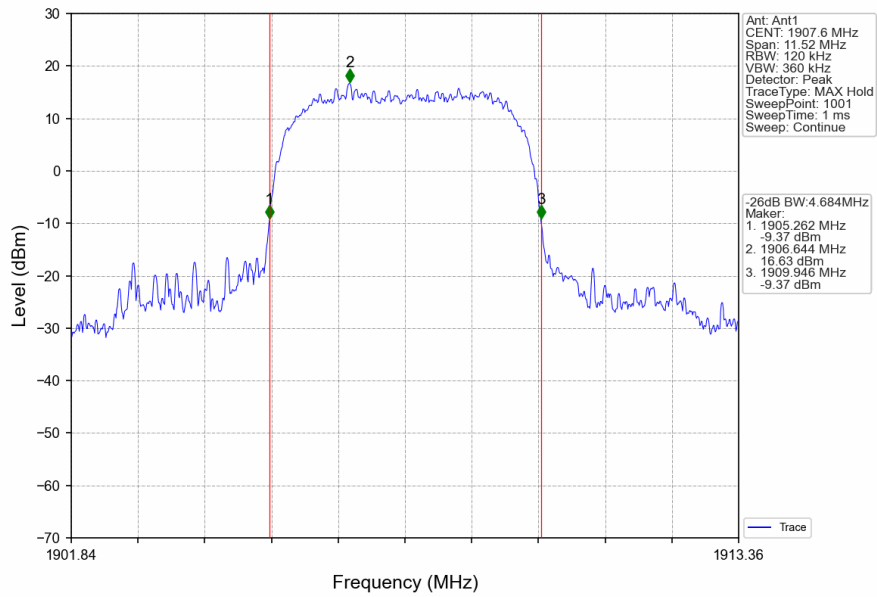
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



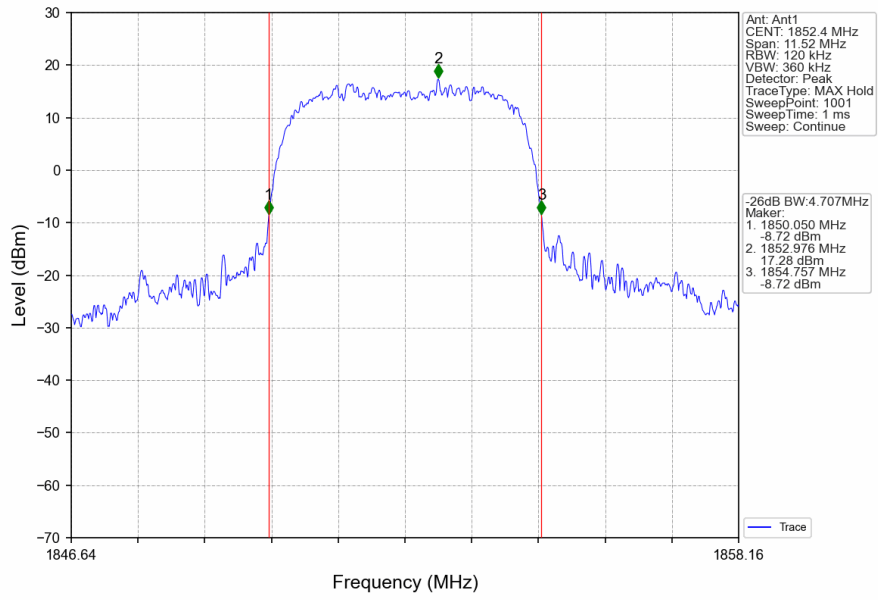
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



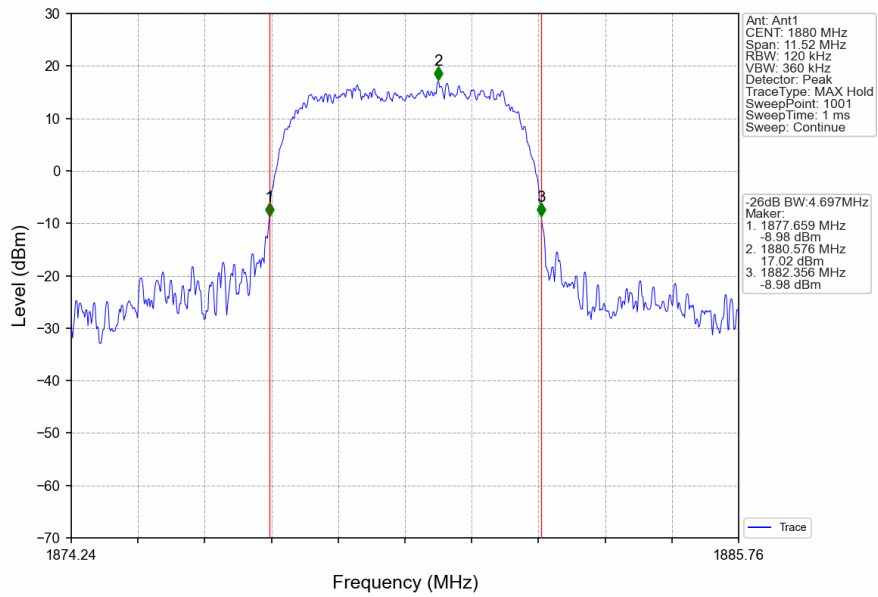
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



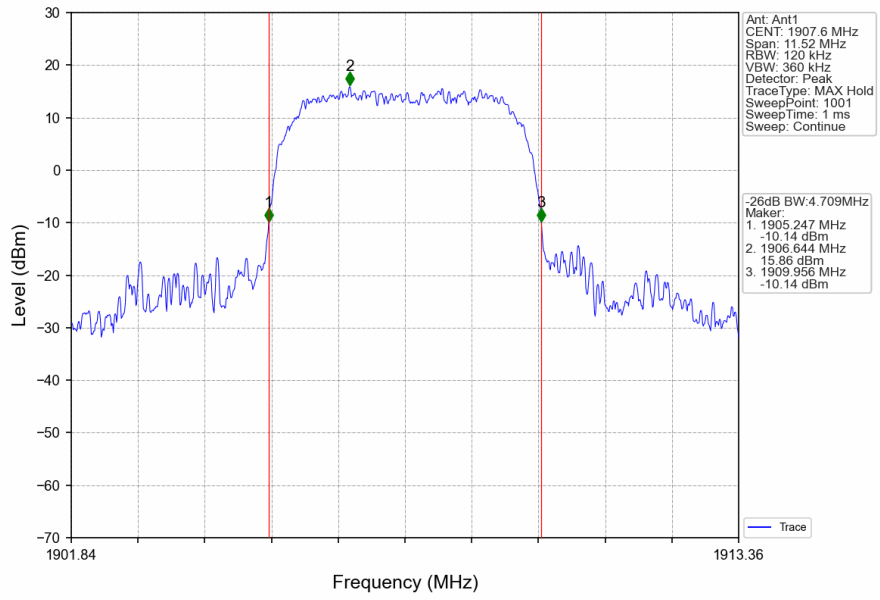
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



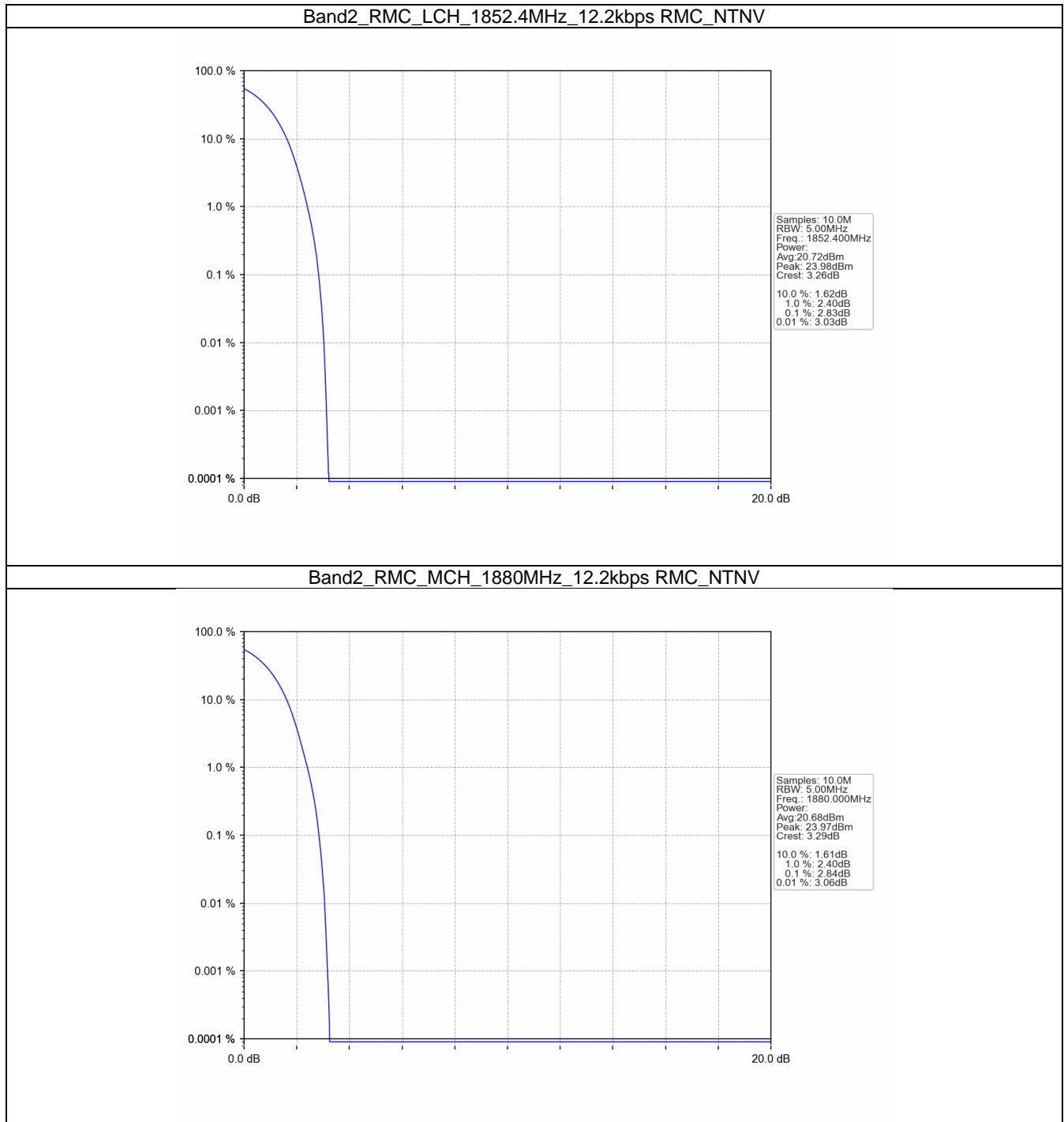
4. Peak-Average Ratio

4.1 Band2

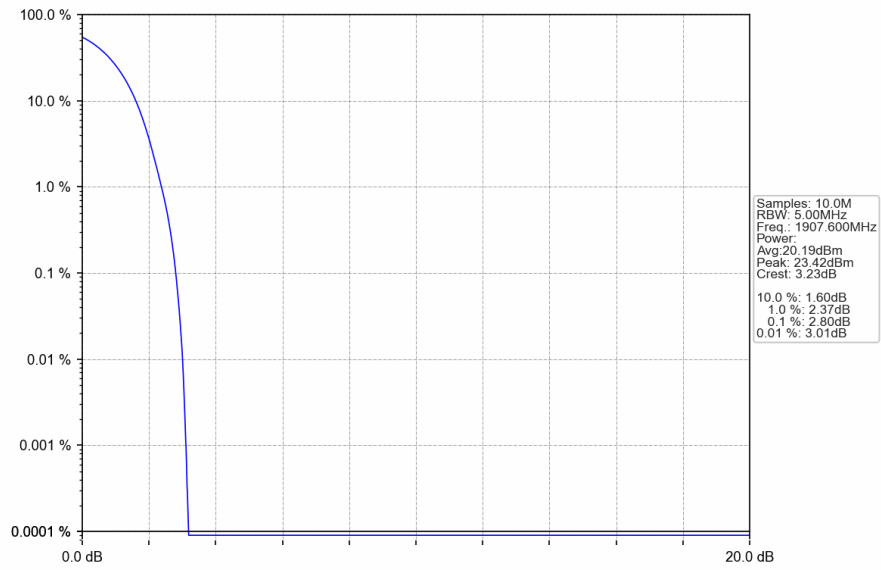
4.1.1 Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	2.83	<=13	Pass
			1880	2.84	<=13	Pass
			1907.6	2.80	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.41	<=13	Pass
			1880	5.41	<=13	Pass
			1907.6	5.43	<=13	Pass
	HSUPA	Subtest 1	1852.4	5.31	<=13	Pass
			1880	5.39	<=13	Pass
			1907.6	5.39	<=13	Pass

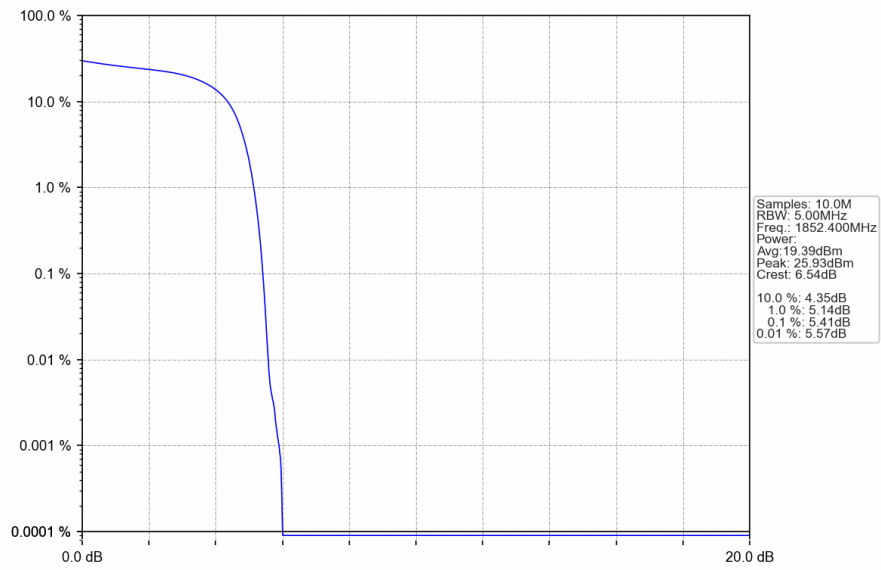
4.1.2 Test Graph



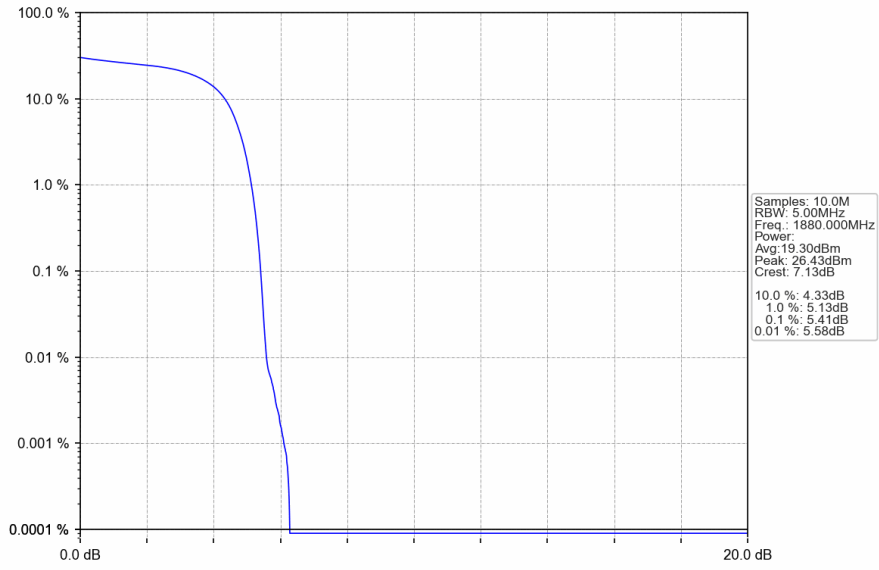
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



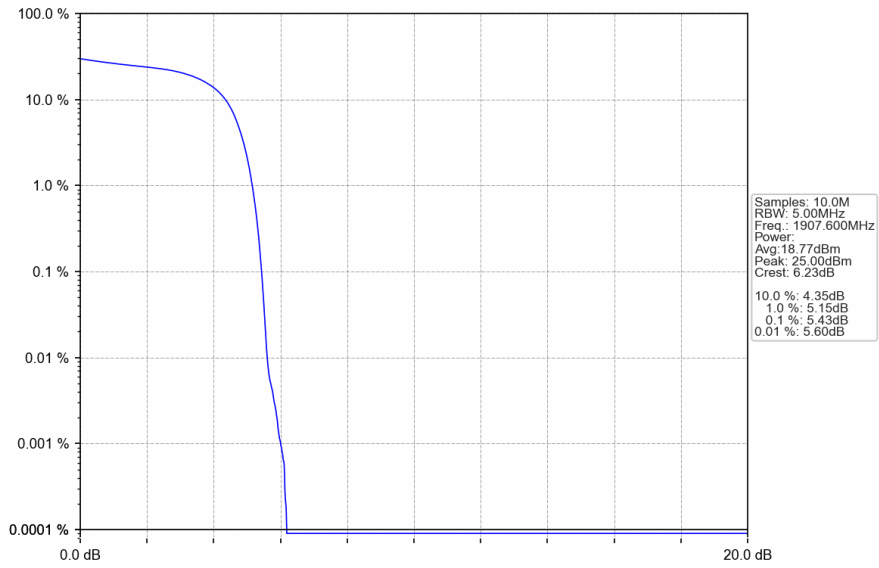
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



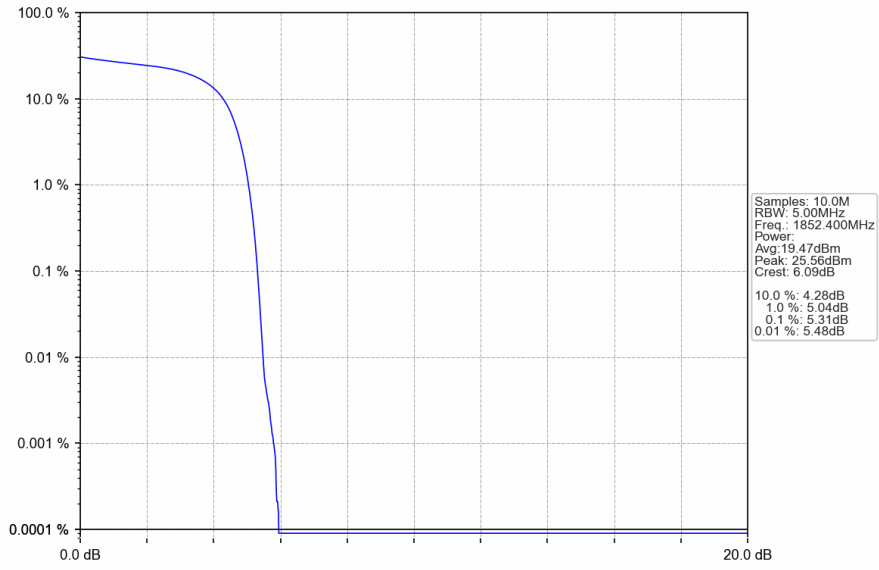
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



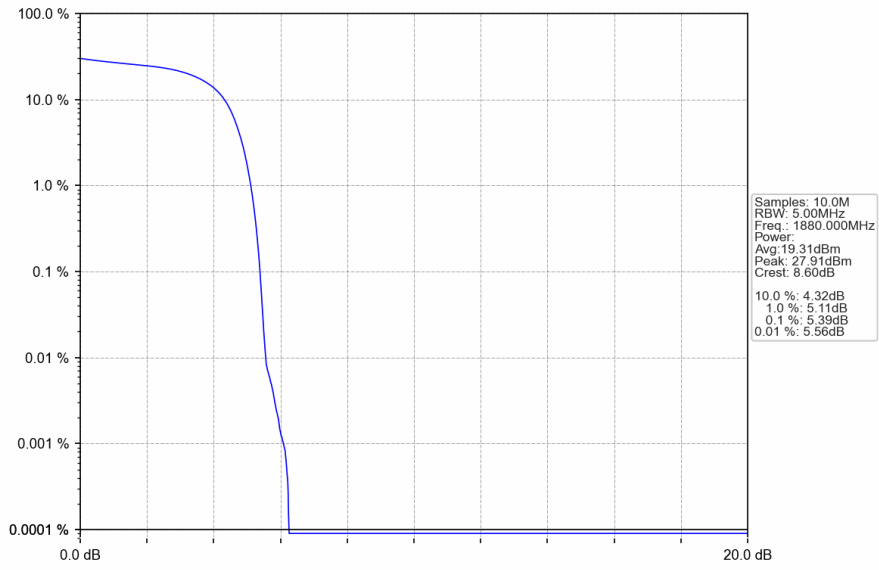
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



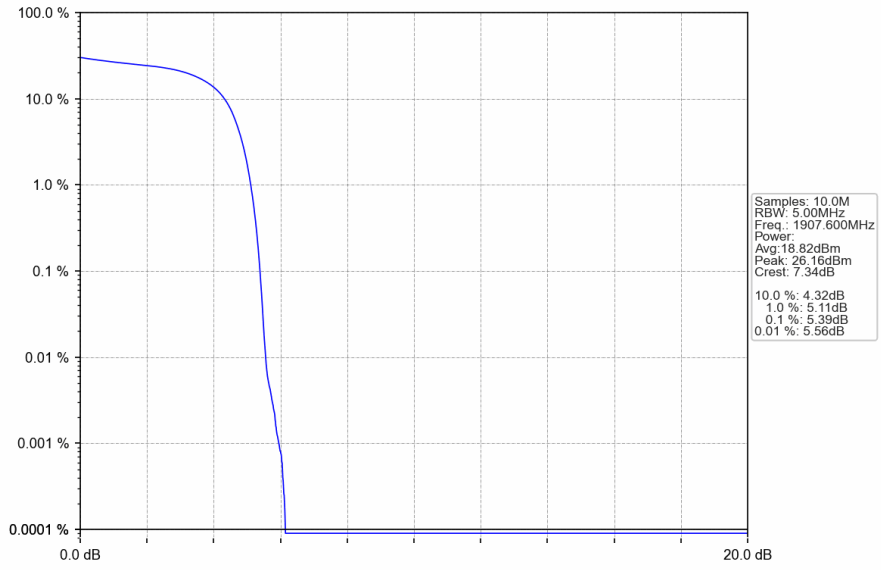
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



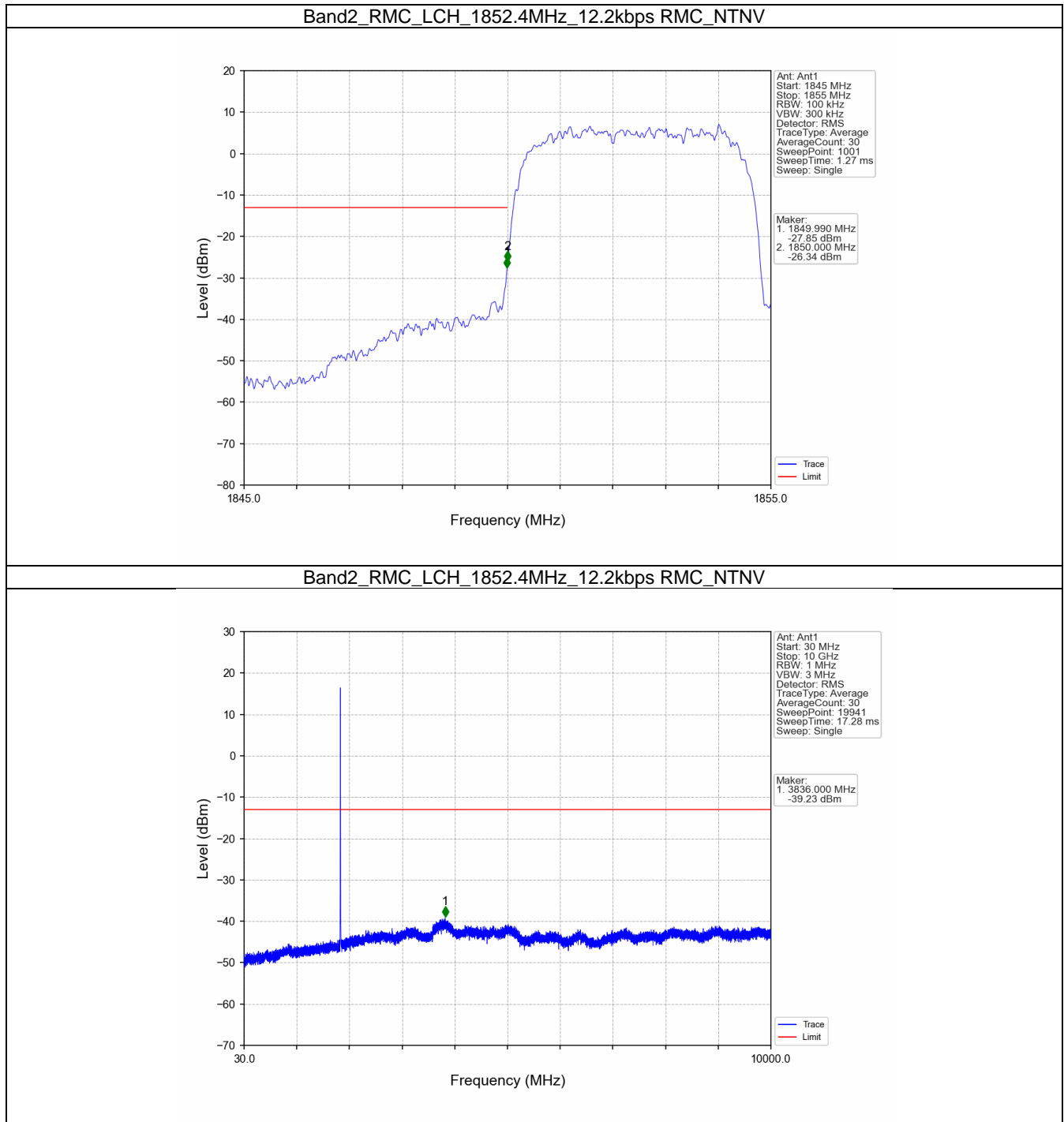
5. Spurious Emission

5.1 Band2

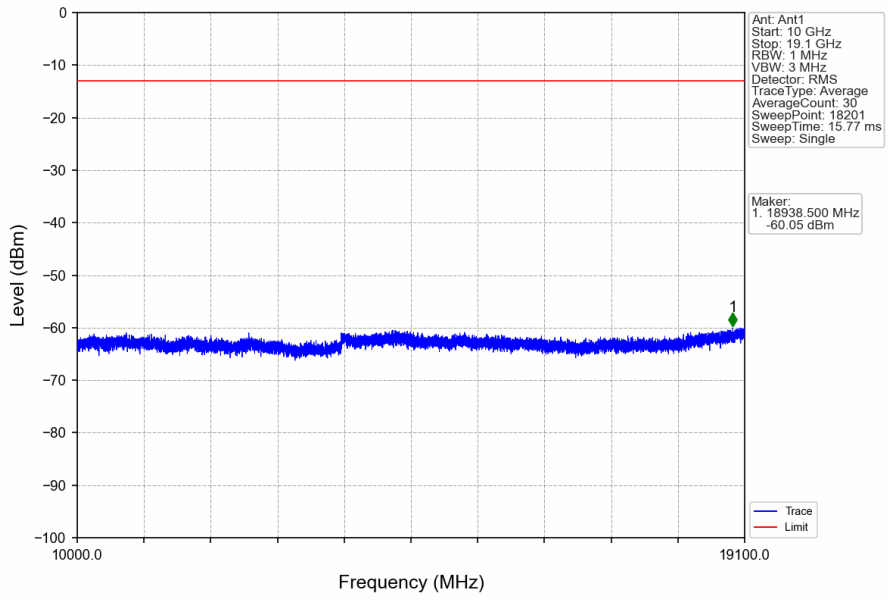
5.1.1 Test Result

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

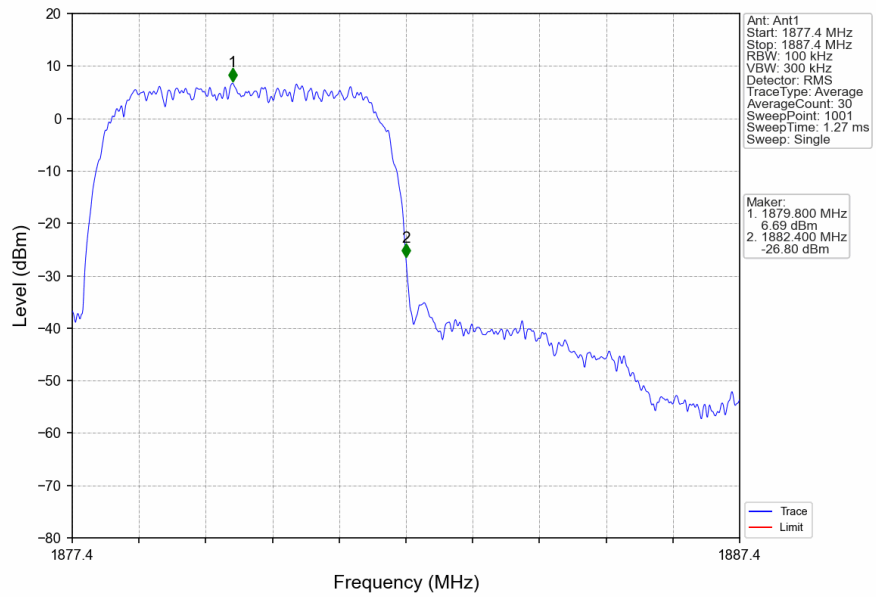
5.1.2 Test Graph



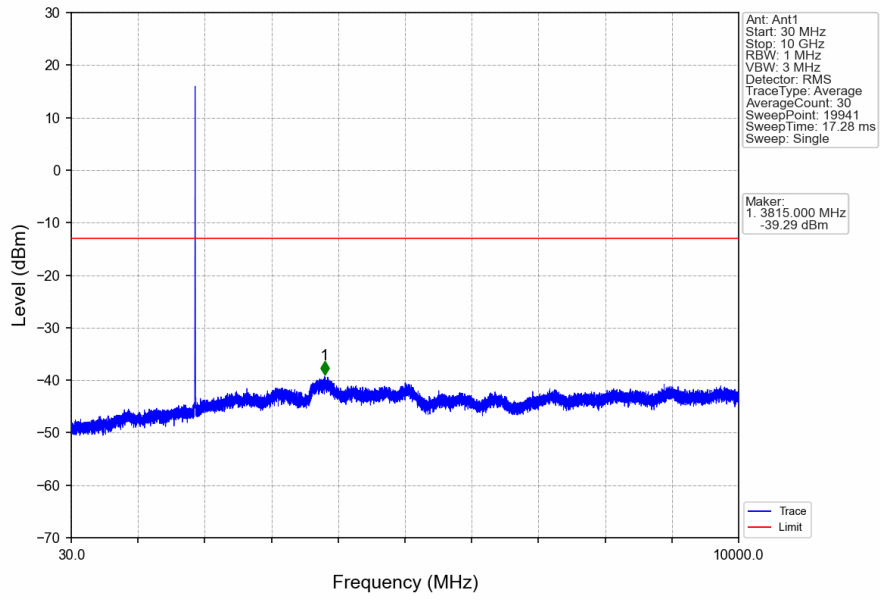
Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



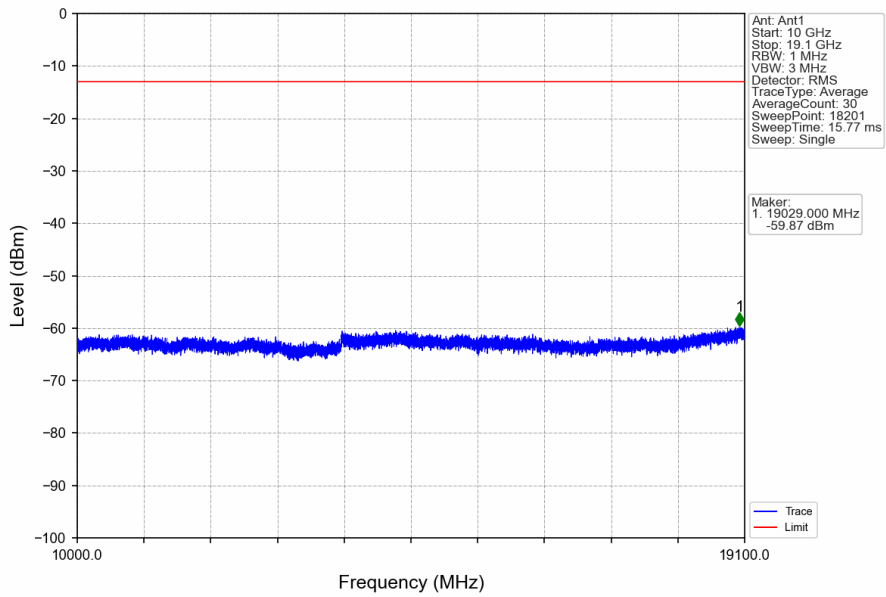
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



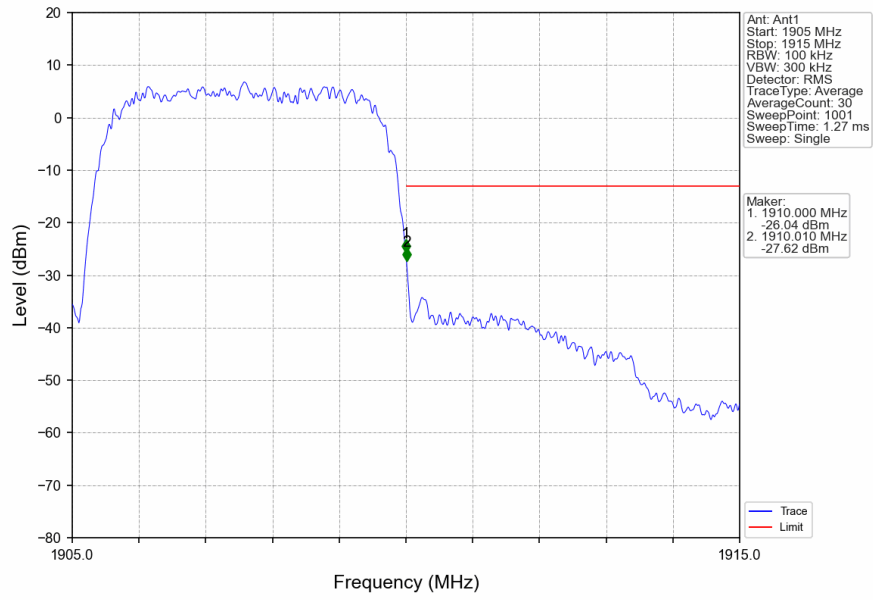
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



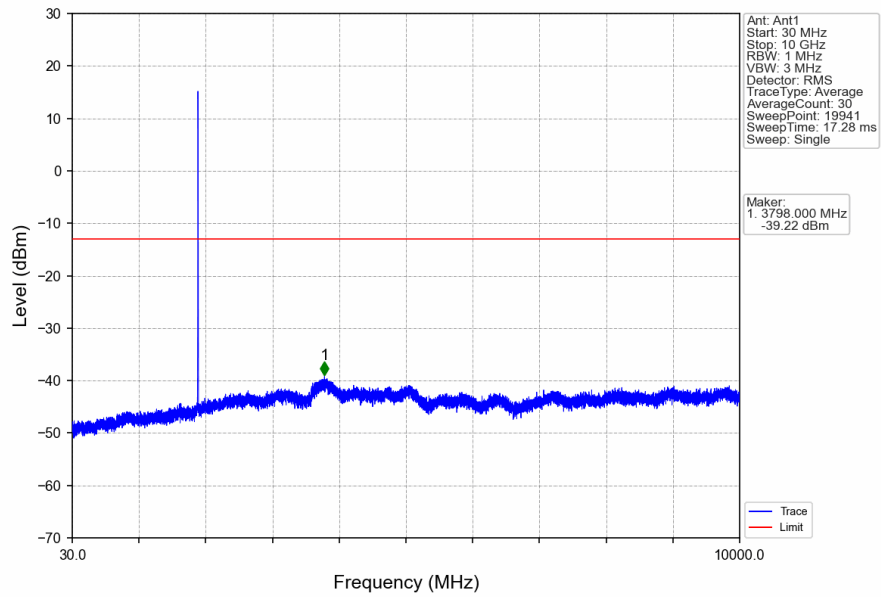
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



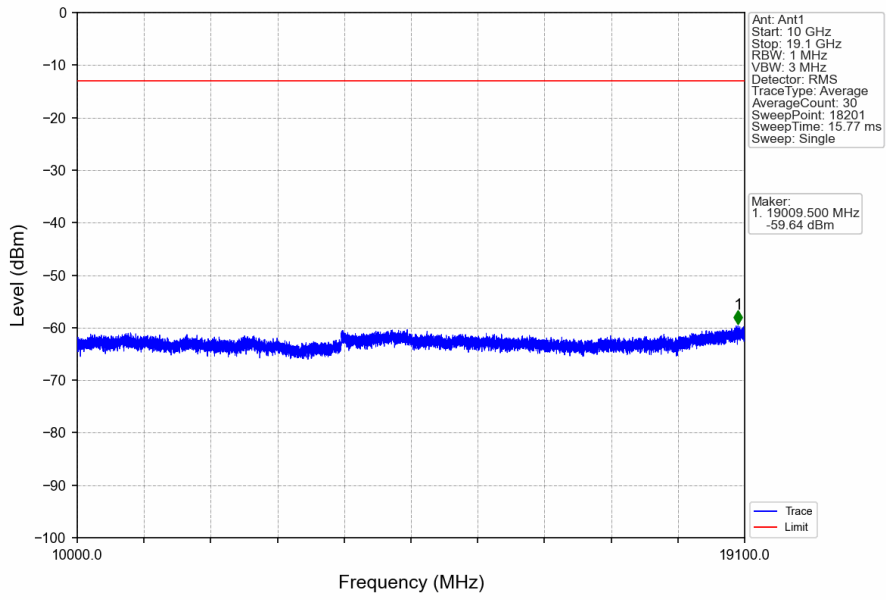
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



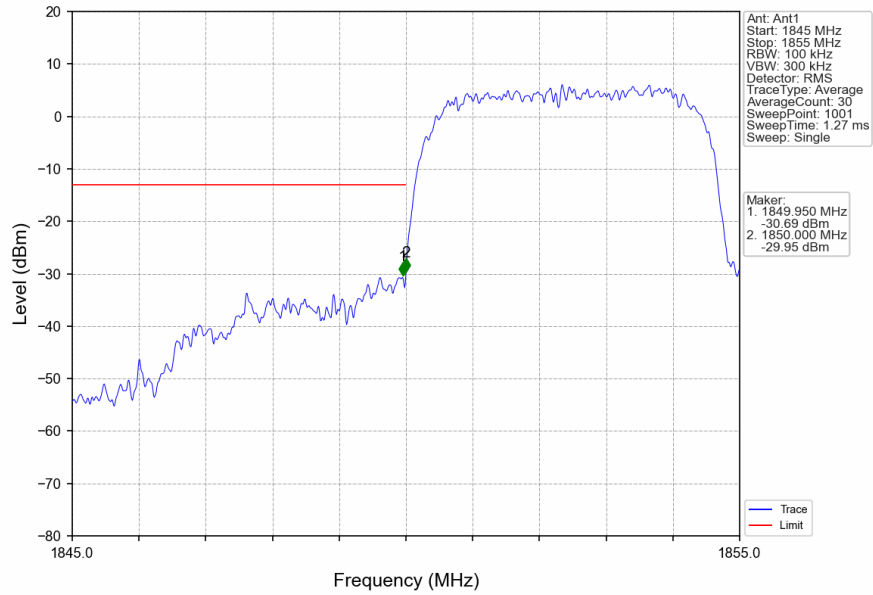
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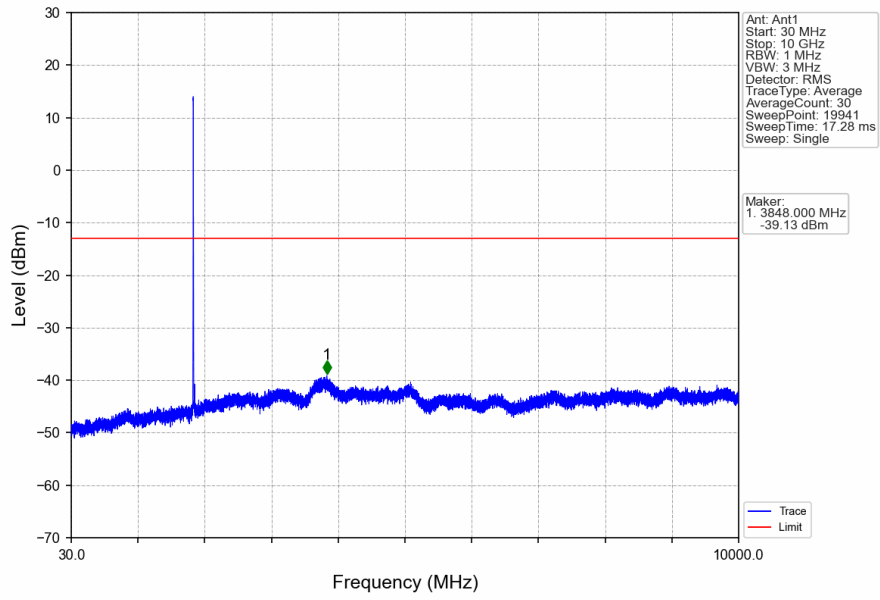
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



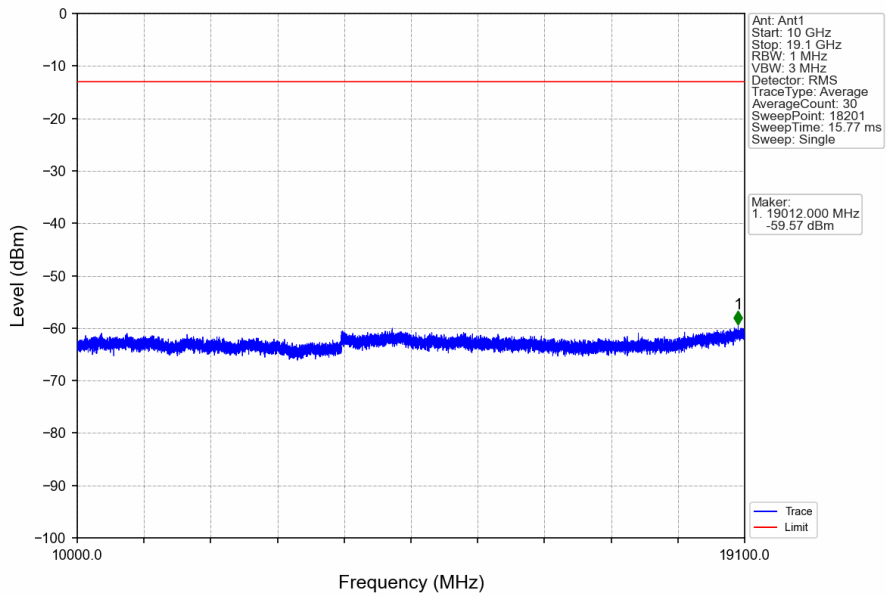
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



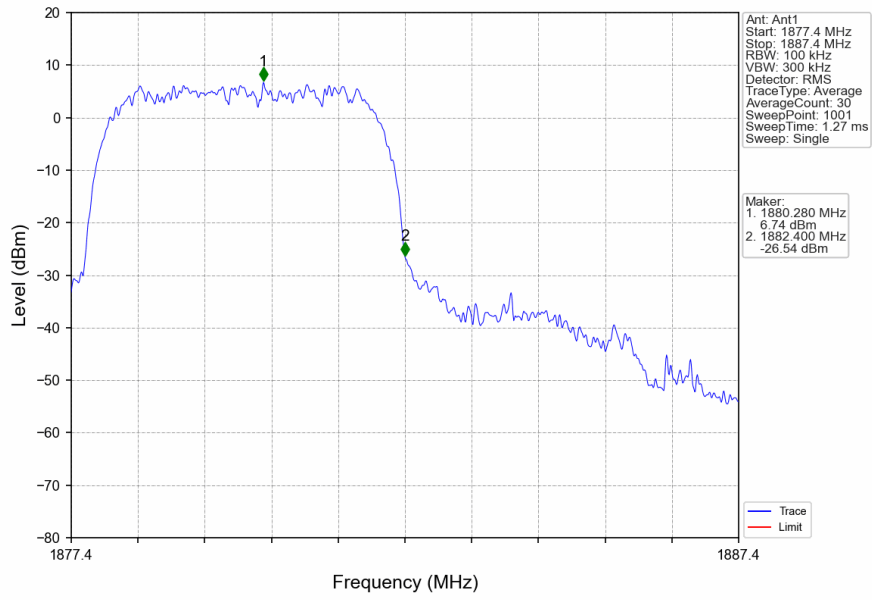
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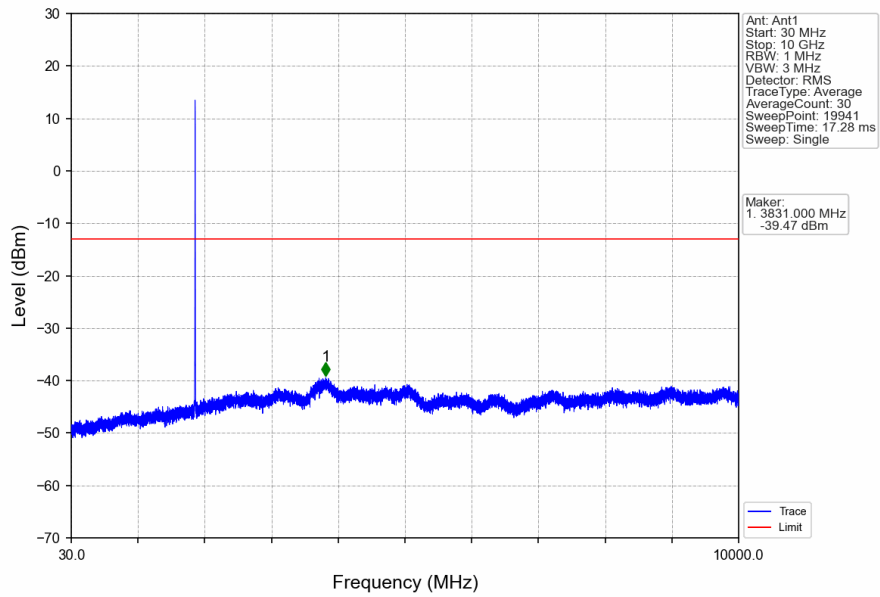
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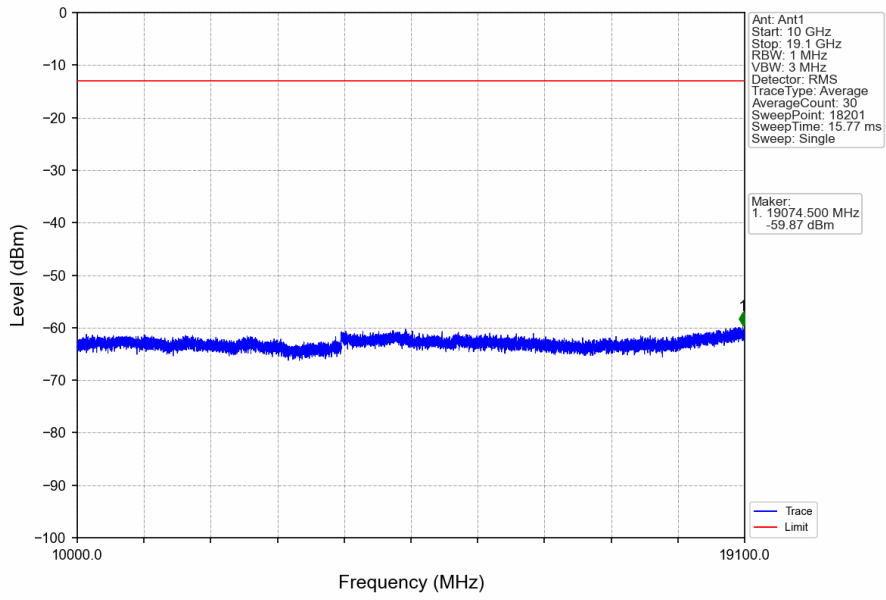
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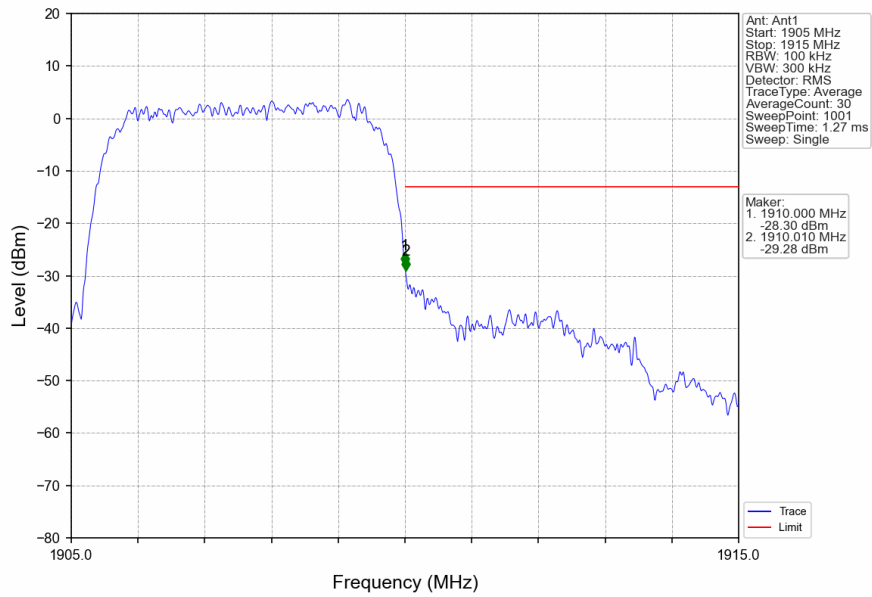
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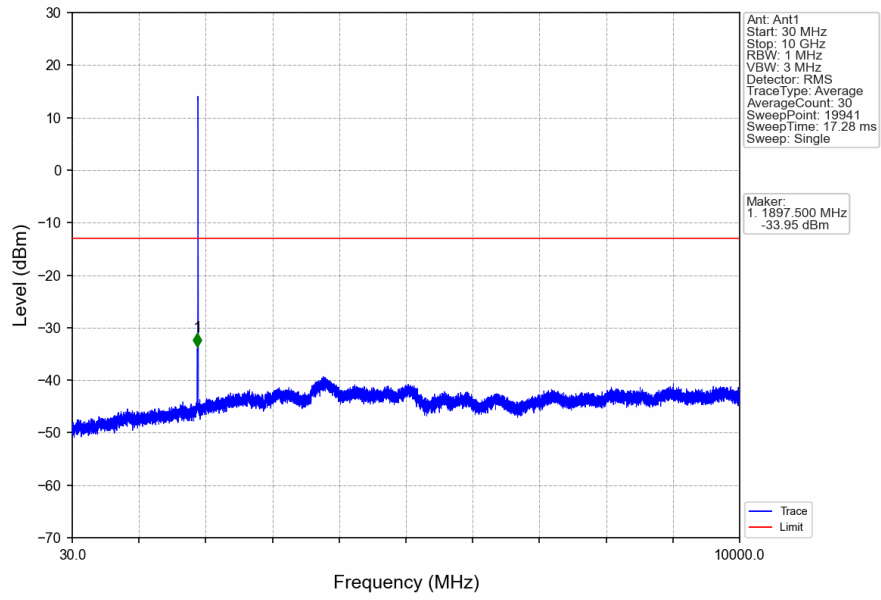
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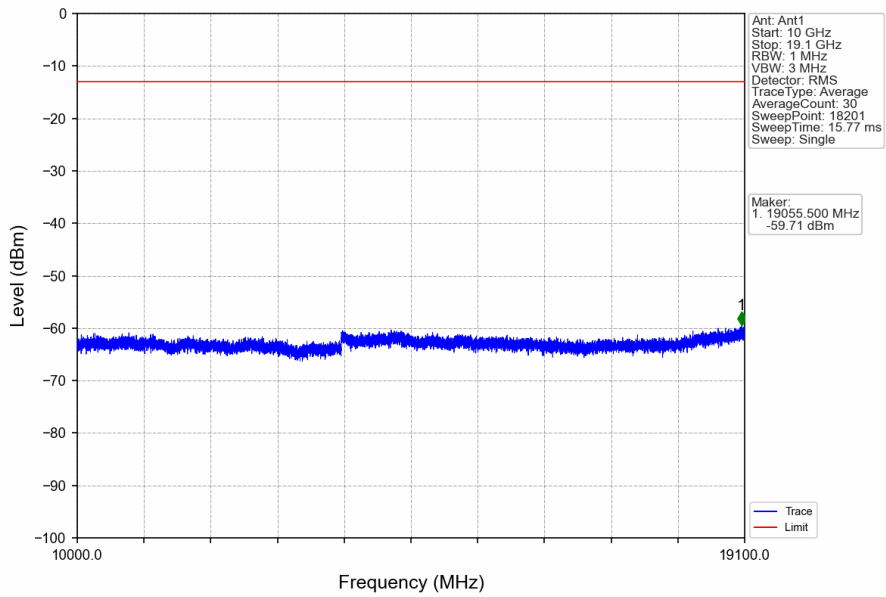
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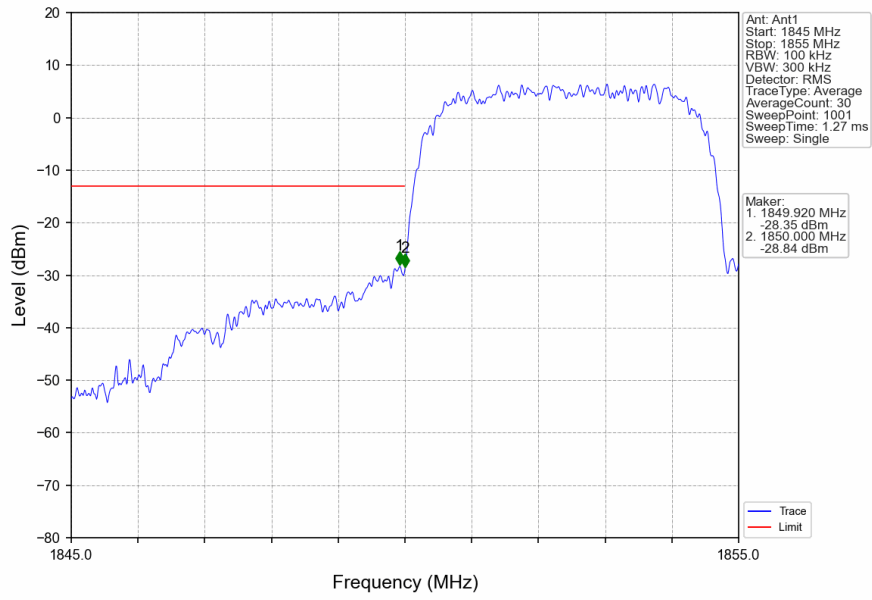
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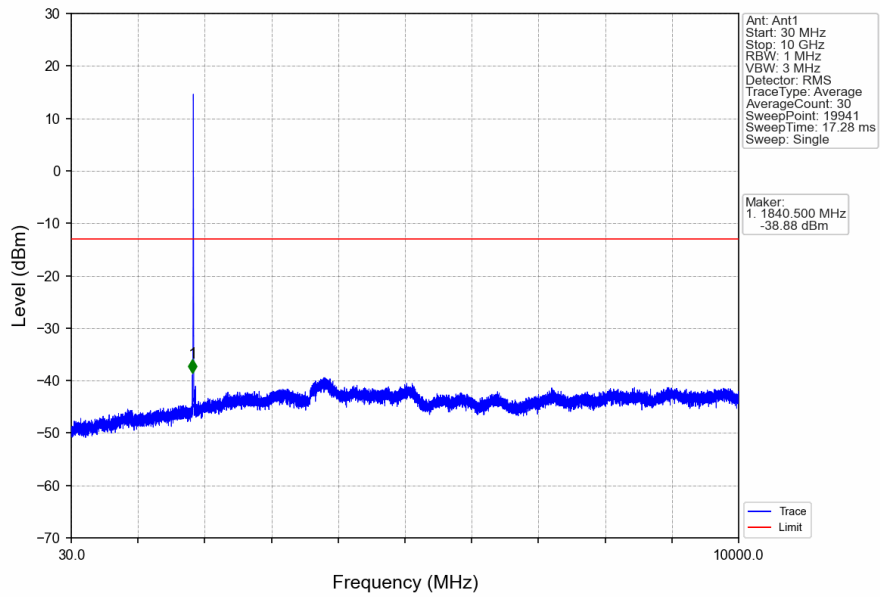
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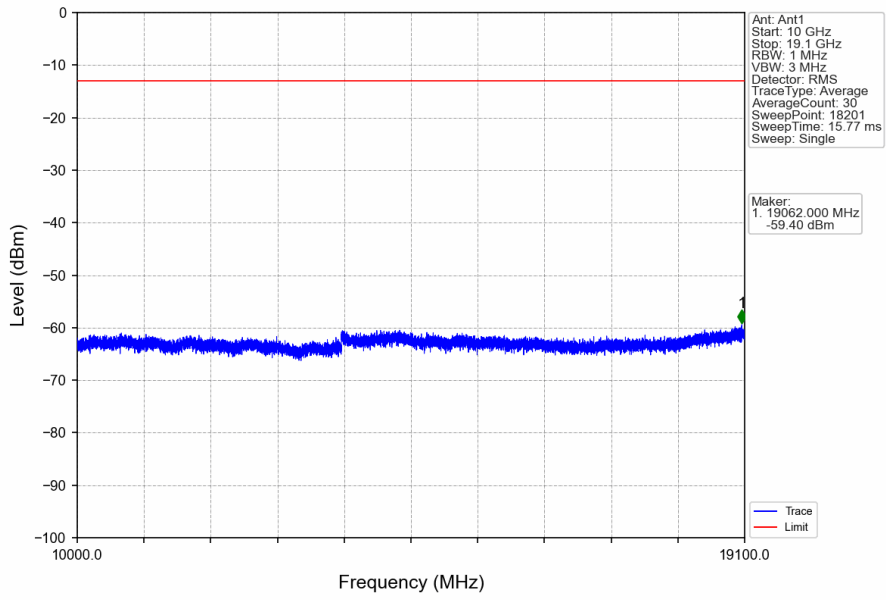
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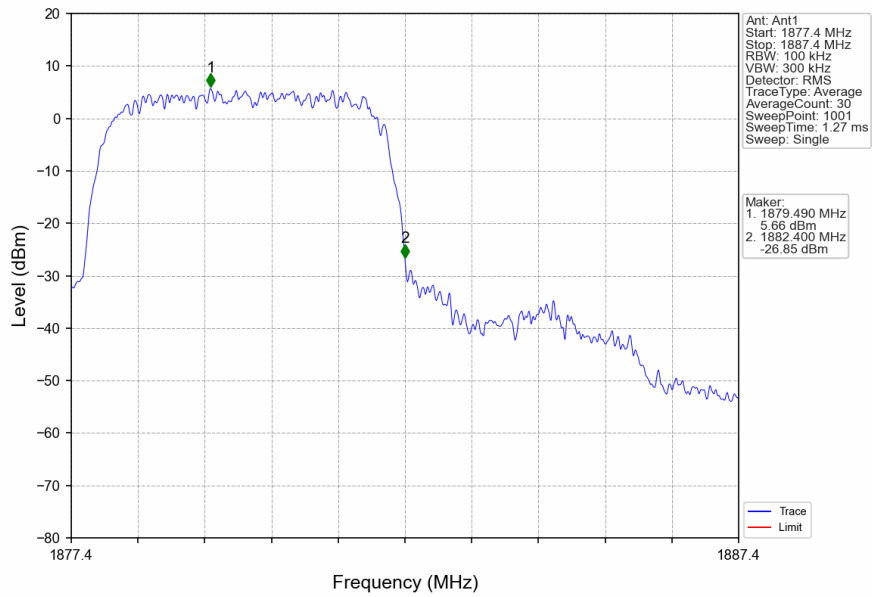
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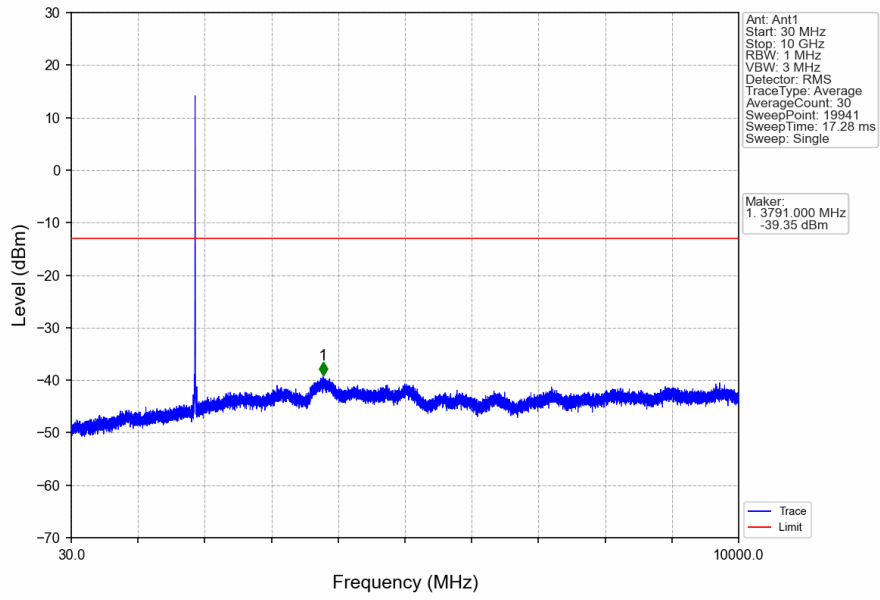
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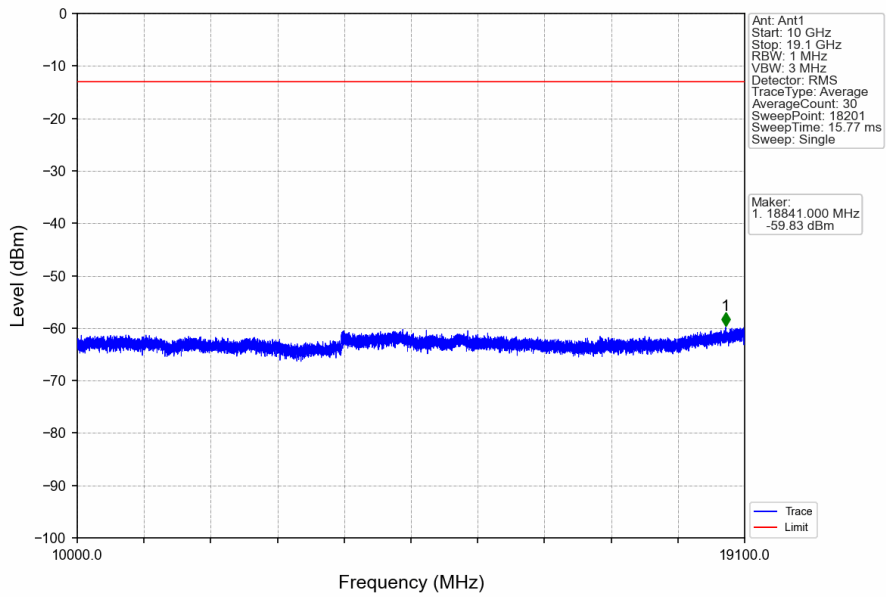
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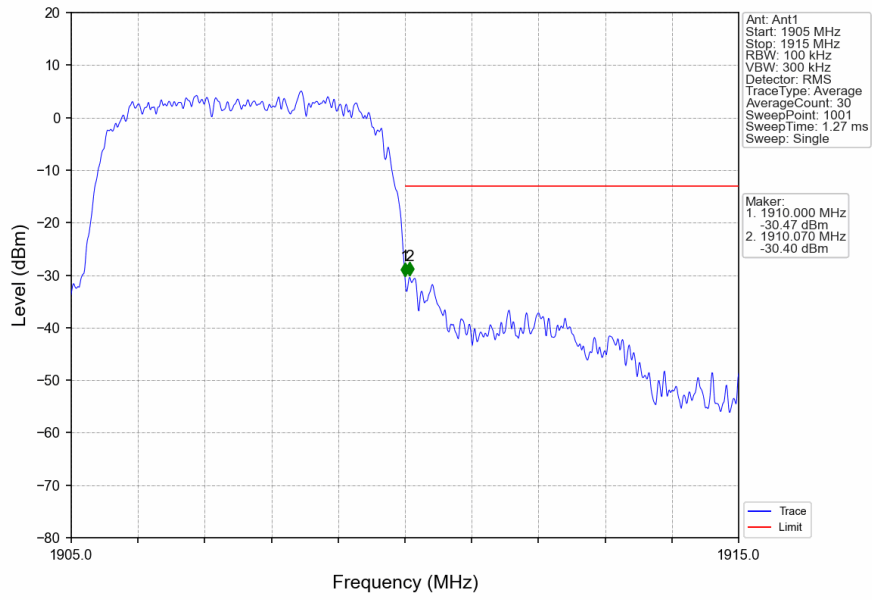
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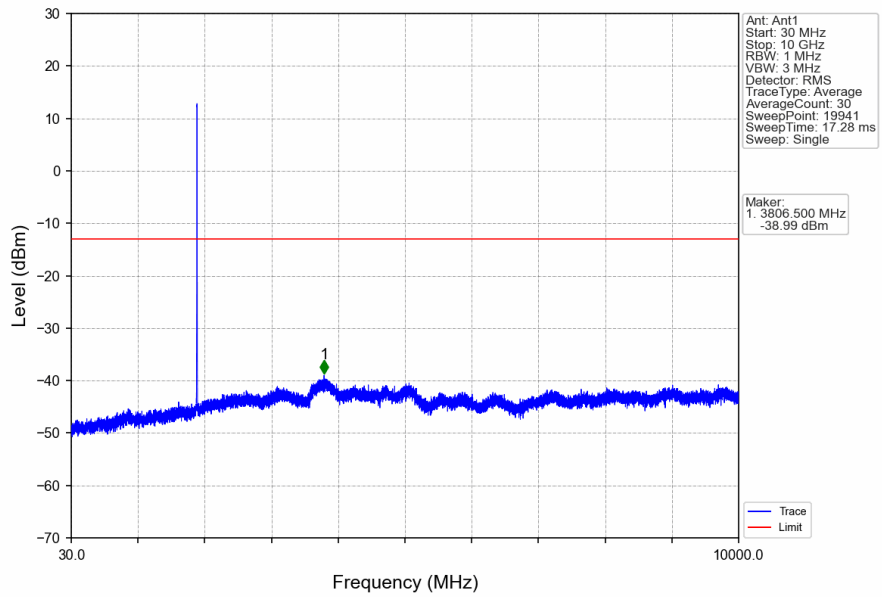
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

