

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 Band2_EIRP

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	23.50	4.00	27.50	<=33.01	Pass	
			1880	23.83	4.00	27.83	<=33.01	Pass	
			1907.6	23.60	4.00	27.60	<=33.01	Pass	
	HSDPA	Subtest 1	1852.4	19.35	4.00	23.35	<=33.01	Pass	
		Subtest 2	1852.4	21.45	4.00	25.45	<=33.01	Pass	
		Subtest 3	1852.4	21.44	4.00	25.44	<=33.01	Pass	
		Subtest 4	1852.4	21.41	4.00	25.41	<=33.01	Pass	
		Subtest 1	1880	22.26	4.00	26.26	<=33.01	Pass	
		Subtest 2	1880	22.23	4.00	26.23	<=33.01	Pass	
		Subtest 3	1880	22.18	4.00	26.18	<=33.01	Pass	
		Subtest 4	1880	22.13	4.00	26.13	<=33.01	Pass	
		Subtest 1	1907.6	22.20	4.00	26.20	<=33.01	Pass	
		Subtest 2	1907.6	22.32	4.00	26.32	<=33.01	Pass	
		Subtest 3	1907.6	22.10	4.00	26.10	<=33.01	Pass	
		Subtest 4	1907.6	22.07	4.00	26.07	<=33.01	Pass	
		HSUPA	Subtest 1	1852.4	22.36	4.00	26.36	<=33.01	Pass
			Subtest 2	1852.4	22.56	4.00	26.56	<=33.01	Pass
			Subtest 3	1852.4	21.46	4.00	25.46	<=33.01	Pass
			Subtest 4	1852.4	22.58	4.00	26.58	<=33.01	Pass
			Subtest 5	1852.4	22.40	4.00	26.40	<=33.01	Pass
	Subtest 1		1880	20.90	4.00	24.90	<=33.01	Pass	
	Subtest 2		1880	21.11	4.00	25.11	<=33.01	Pass	
	Subtest 3		1880	21.14	4.00	25.14	<=33.01	Pass	
	Subtest 4		1880	19.88	4.00	23.88	<=33.01	Pass	
	Subtest 5		1880	21.08	4.00	25.08	<=33.01	Pass	
	Subtest 1		1907.6	19.83	4.00	23.83	<=33.01	Pass	
	Subtest 2		1907.6	19.64	4.00	23.64	<=33.01	Pass	
	Subtest 3		1907.6	20.98	4.00	24.98	<=33.01	Pass	
	Subtest 4		1907.6	19.71	4.00	23.71	<=33.01	Pass	
	Subtest 5		1907.6	19.93	4.00	23.93	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 Band2

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	10.613	0.0057	-2.5 to 2.5	Pass
			3.85	8.988	0.0049	-2.5 to 2.5	Pass

			4.43	9.020	0.0049	-2.5 to 2.5	Pass		
		-30	3.85	8.718	0.0047	-2.5 to 2.5	Pass		
		-20	3.85	8.882	0.0048	-2.5 to 2.5	Pass		
		-10	3.85	9.210	0.0050	-2.5 to 2.5	Pass		
		0	3.85	9.112	0.0049	-2.5 to 2.5	Pass		
		10	3.85	9.065	0.0049	-2.5 to 2.5	Pass		
		30	3.85	9.325	0.0050	-2.5 to 2.5	Pass		
		40	3.85	9.216	0.0050	-2.5 to 2.5	Pass		
	50	3.85	9.262	0.0050	-2.5 to 2.5	Pass			
	1880	20		3.27	11.530	0.0061	-2.5 to 2.5	Pass	
				3.85	10.487	0.0056	-2.5 to 2.5	Pass	
				4.43	11.686	0.0062	-2.5 to 2.5	Pass	
		-30	3.85	10.906	0.0058	-2.5 to 2.5	Pass		
		-20	3.85	10.452	0.0056	-2.5 to 2.5	Pass		
		-10	3.85	11.743	0.0062	-2.5 to 2.5	Pass		
		0	3.85	10.744	0.0057	-2.5 to 2.5	Pass		
		10	3.85	11.034	0.0059	-2.5 to 2.5	Pass		
		30	3.85	11.487	0.0061	-2.5 to 2.5	Pass		
		40	3.85	11.966	0.0064	-2.5 to 2.5	Pass		
	50	3.85	11.021	0.0059	-2.5 to 2.5	Pass			
	1907.6	20		3.27	11.830	0.0062	-2.5 to 2.5	Pass	
				3.85	12.665	0.0066	-2.5 to 2.5	Pass	
				4.43	12.481	0.0065	-2.5 to 2.5	Pass	
		-30	3.85	12.219	0.0064	-2.5 to 2.5	Pass		
		-20	3.85	12.334	0.0065	-2.5 to 2.5	Pass		
		-10	3.85	13.176	0.0069	-2.5 to 2.5	Pass		
		0	3.85	12.445	0.0065	-2.5 to 2.5	Pass		
		10	3.85	12.941	0.0068	-2.5 to 2.5	Pass		
		30	3.85	12.293	0.0064	-2.5 to 2.5	Pass		
		40	3.85	12.601	0.0066	-2.5 to 2.5	Pass		
	50	3.85	11.293	0.0059	-2.5 to 2.5	Pass			
	HSDPA	1852.4	20		3.27	11.612	0.0063	-2.5 to 2.5	Pass
					3.85	11.030	0.0060	-2.5 to 2.5	Pass
				4.43	11.038	0.0060	-2.5 to 2.5	Pass	
-30			3.85	11.129	0.0060	-2.5 to 2.5	Pass		
-20			3.85	10.884	0.0059	-2.5 to 2.5	Pass		
-10			3.85	10.468	0.0057	-2.5 to 2.5	Pass		
0			3.85	10.998	0.0059	-2.5 to 2.5	Pass		
10			3.85	10.743	0.0058	-2.5 to 2.5	Pass		
30			3.85	11.352	0.0061	-2.5 to 2.5	Pass		
40			3.85	10.714	0.0058	-2.5 to 2.5	Pass		
50		3.85	10.353	0.0056	-2.5 to 2.5	Pass			
1880		20		3.27	10.485	0.0056	-2.5 to 2.5	Pass	
				3.85	10.188	0.0054	-2.5 to 2.5	Pass	
				4.43	9.834	0.0052	-2.5 to 2.5	Pass	
		-30	3.85	9.706	0.0052	-2.5 to 2.5	Pass		
		-20	3.85	10.645	0.0057	-2.5 to 2.5	Pass		
		-10	3.85	10.232	0.0054	-2.5 to 2.5	Pass		
		0	3.85	11.650	0.0062	-2.5 to 2.5	Pass		
		10	3.85	10.208	0.0054	-2.5 to 2.5	Pass		
		30	3.85	9.840	0.0052	-2.5 to 2.5	Pass		
		40	3.85	9.523	0.0051	-2.5 to 2.5	Pass		
50		3.85	10.725	0.0057	-2.5 to 2.5	Pass			
1907.6		20		3.27	10.858	0.0057	-2.5 to 2.5	Pass	
				3.85	11.820	0.0062	-2.5 to 2.5	Pass	
				4.43	10.189	0.0053	-2.5 to 2.5	Pass	
		-30	3.85	11.023	0.0058	-2.5 to 2.5	Pass		

		-20	3.85	10.913	0.0057	-2.5 to 2.5	Pass	
		-10	3.85	10.729	0.0056	-2.5 to 2.5	Pass	
		0	3.85	10.709	0.0056	-2.5 to 2.5	Pass	
		10	3.85	11.085	0.0058	-2.5 to 2.5	Pass	
		30	3.85	10.461	0.0055	-2.5 to 2.5	Pass	
		40	3.85	10.790	0.0057	-2.5 to 2.5	Pass	
		50	3.85	10.612	0.0056	-2.5 to 2.5	Pass	
HSUPA	1852.4	20	3.27	11.981	0.0065	-2.5 to 2.5	Pass	
			3.85	12.621	0.0068	-2.5 to 2.5	Pass	
			4.43	10.851	0.0059	-2.5 to 2.5	Pass	
			-30	3.85	13.294	0.0072	-2.5 to 2.5	Pass
			-20	3.85	15.501	0.0084	-2.5 to 2.5	Pass
			-10	3.85	12.931	0.0070	-2.5 to 2.5	Pass
			0	3.85	10.269	0.0055	-2.5 to 2.5	Pass
			10	3.85	11.901	0.0064	-2.5 to 2.5	Pass
			30	3.85	11.806	0.0064	-2.5 to 2.5	Pass
			40	3.85	11.595	0.0063	-2.5 to 2.5	Pass
			50	3.85	12.516	0.0068	-2.5 to 2.5	Pass
			1880	20	3.27	13.136	0.0070	-2.5 to 2.5
		3.85			13.004	0.0069	-2.5 to 2.5	Pass
		4.43			13.342	0.0071	-2.5 to 2.5	Pass
		-30		3.85	12.031	0.0064	-2.5 to 2.5	Pass
		-20		3.85	11.864	0.0063	-2.5 to 2.5	Pass
		-10		3.85	12.372	0.0066	-2.5 to 2.5	Pass
		0		3.85	13.518	0.0072	-2.5 to 2.5	Pass
		10		3.85	13.829	0.0074	-2.5 to 2.5	Pass
		30		3.85	12.294	0.0065	-2.5 to 2.5	Pass
		40		3.85	13.655	0.0073	-2.5 to 2.5	Pass
		50		3.85	13.774	0.0073	-2.5 to 2.5	Pass
		1907.6		20	3.27	14.195	0.0074	-2.5 to 2.5
			3.85		15.527	0.0081	-2.5 to 2.5	Pass
			4.43		14.849	0.0078	-2.5 to 2.5	Pass
			-30	3.85	13.145	0.0069	-2.5 to 2.5	Pass
			-20	3.85	14.572	0.0076	-2.5 to 2.5	Pass
			-10	3.85	14.962	0.0078	-2.5 to 2.5	Pass
			0	3.85	13.231	0.0069	-2.5 to 2.5	Pass
			10	3.85	16.339	0.0086	-2.5 to 2.5	Pass
			30	3.85	15.350	0.0080	-2.5 to 2.5	Pass
			40	3.85	13.136	0.0069	-2.5 to 2.5	Pass
			50	3.85	13.460	0.0071	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band2_OBW

Band: 2						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.144	/	Pass
			1880	4.158	/	Pass
			1907.6	4.162	/	Pass
	HSDPA	Subtest 1	1852.4	4.170	/	Pass

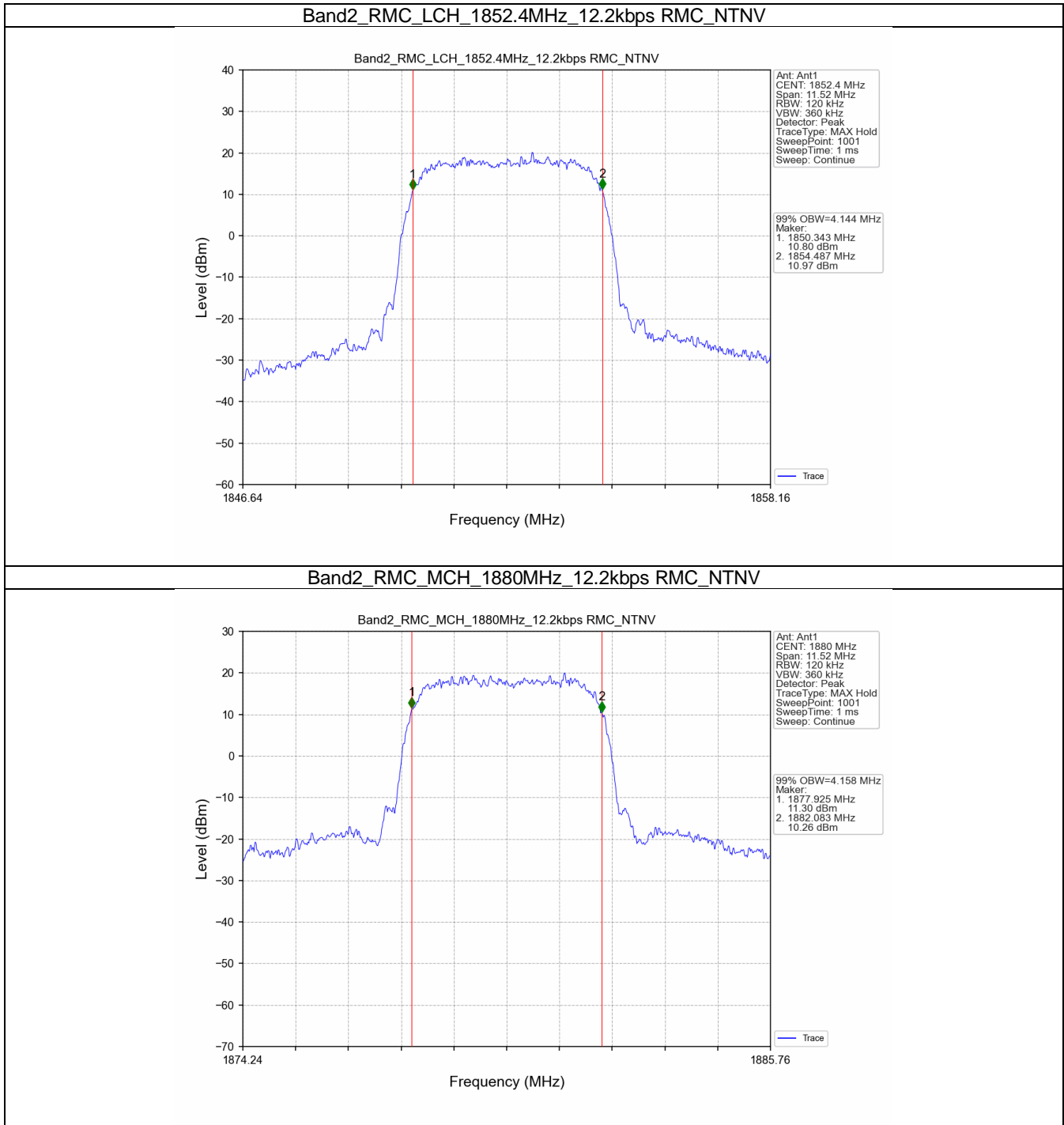
			1880	4.176	/	Pass
			1907.6	4.165	/	Pass
	HSUPA	Subtest 1	1852.4	4.147	/	Pass
			1880	4.180	/	Pass
			1907.6	4.175	/	Pass

3.1.2 Band2_XDB

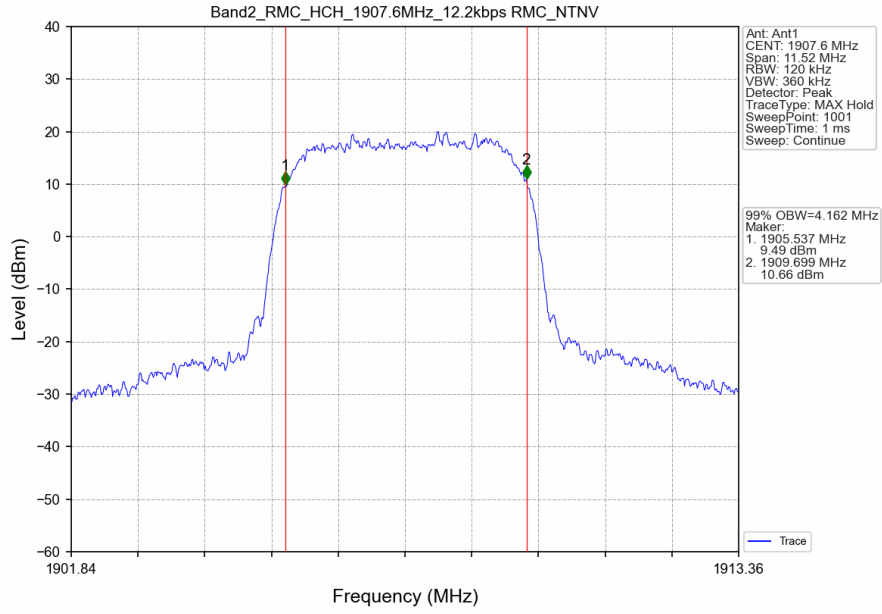
Band: 2						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.739	/	Pass
			1880	4.712	/	Pass
			1907.6	4.732	/	Pass
	HSDPA	Subtest 1	1852.4	4.777	/	Pass
			1880	4.778	/	Pass
			1907.6	4.769	/	Pass
	HSUPA	Subtest 1	1852.4	4.740	/	Pass
			1880	4.802	/	Pass
			1907.6	4.780	/	Pass

3.2 Test Graph

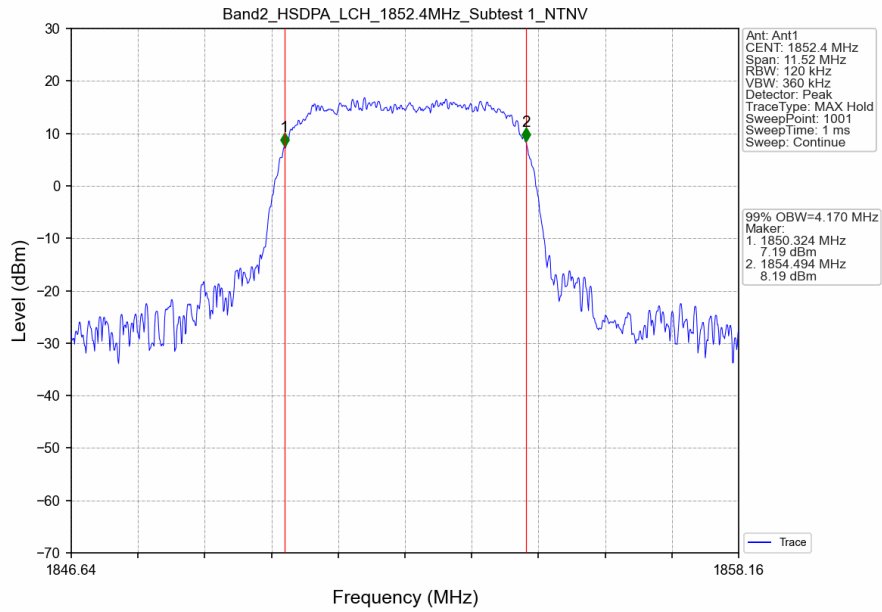
3.2.1 Band2_OBW



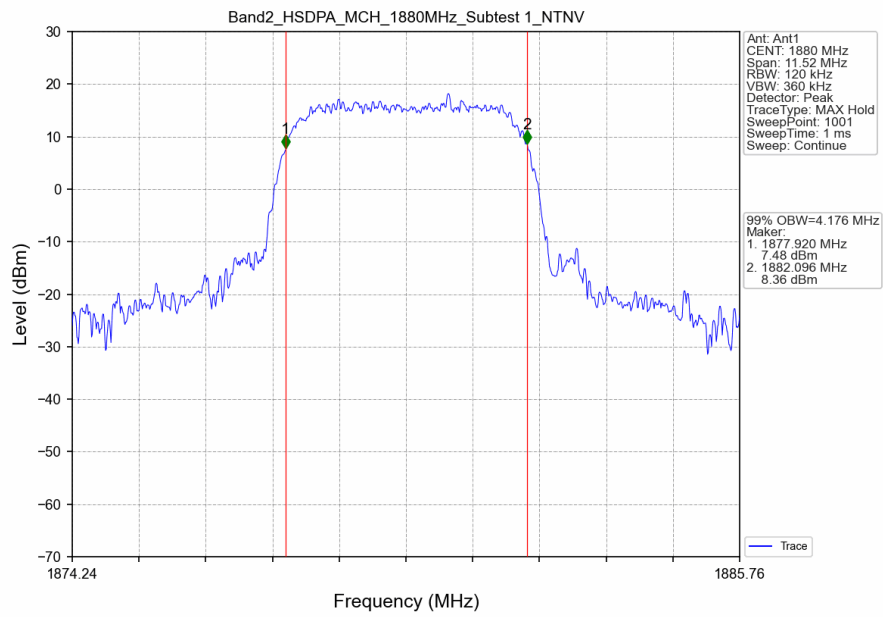
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



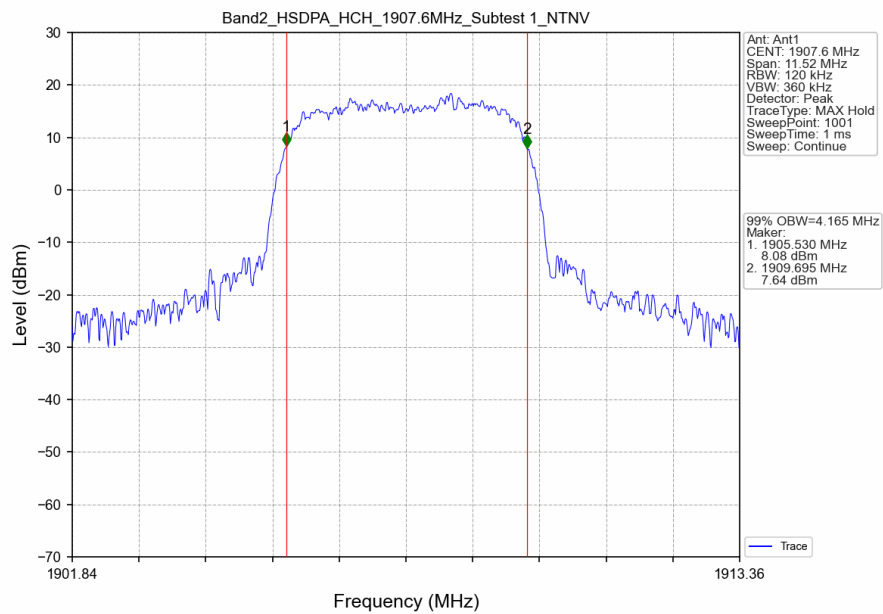
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



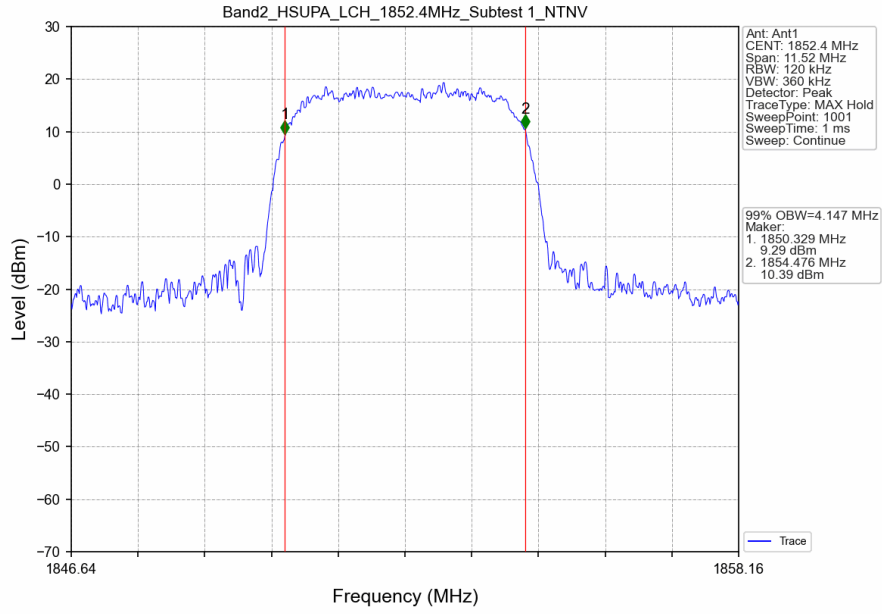
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



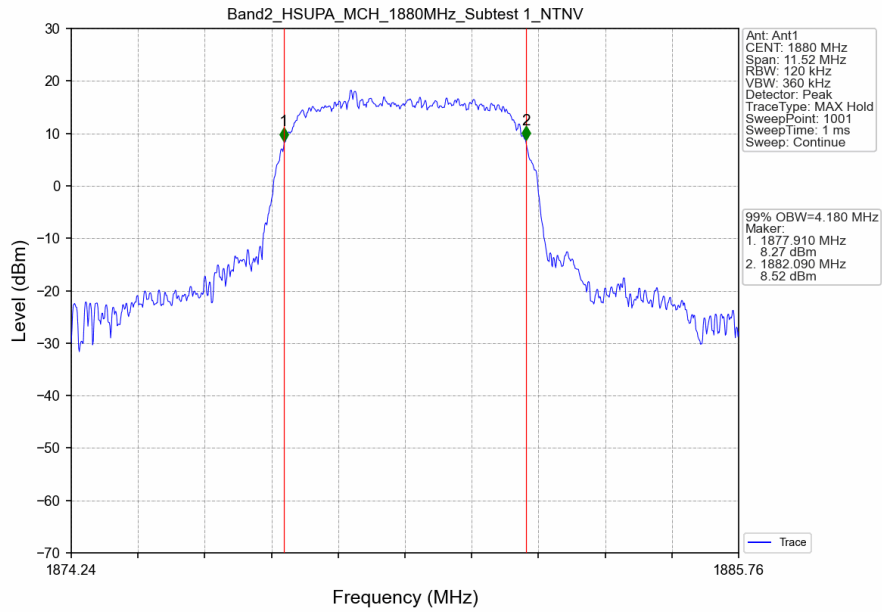
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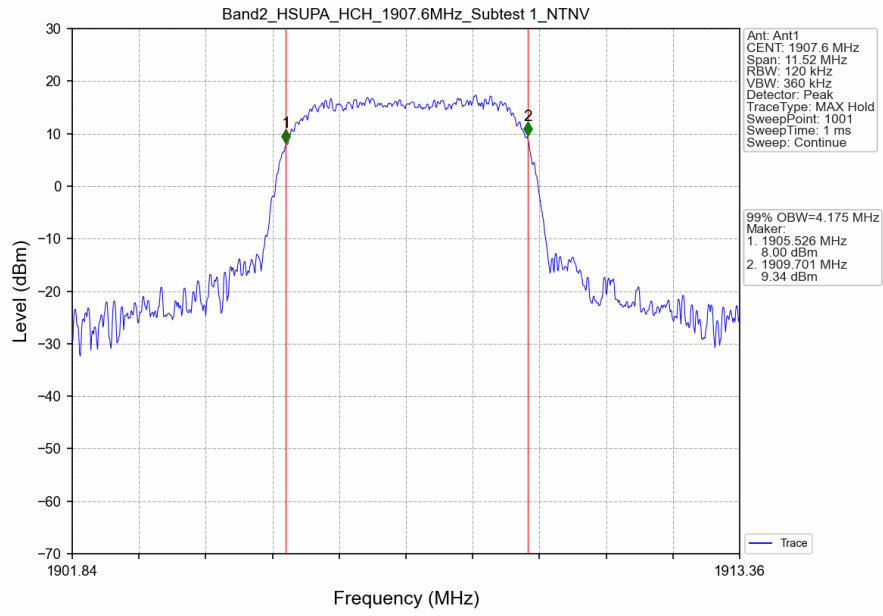
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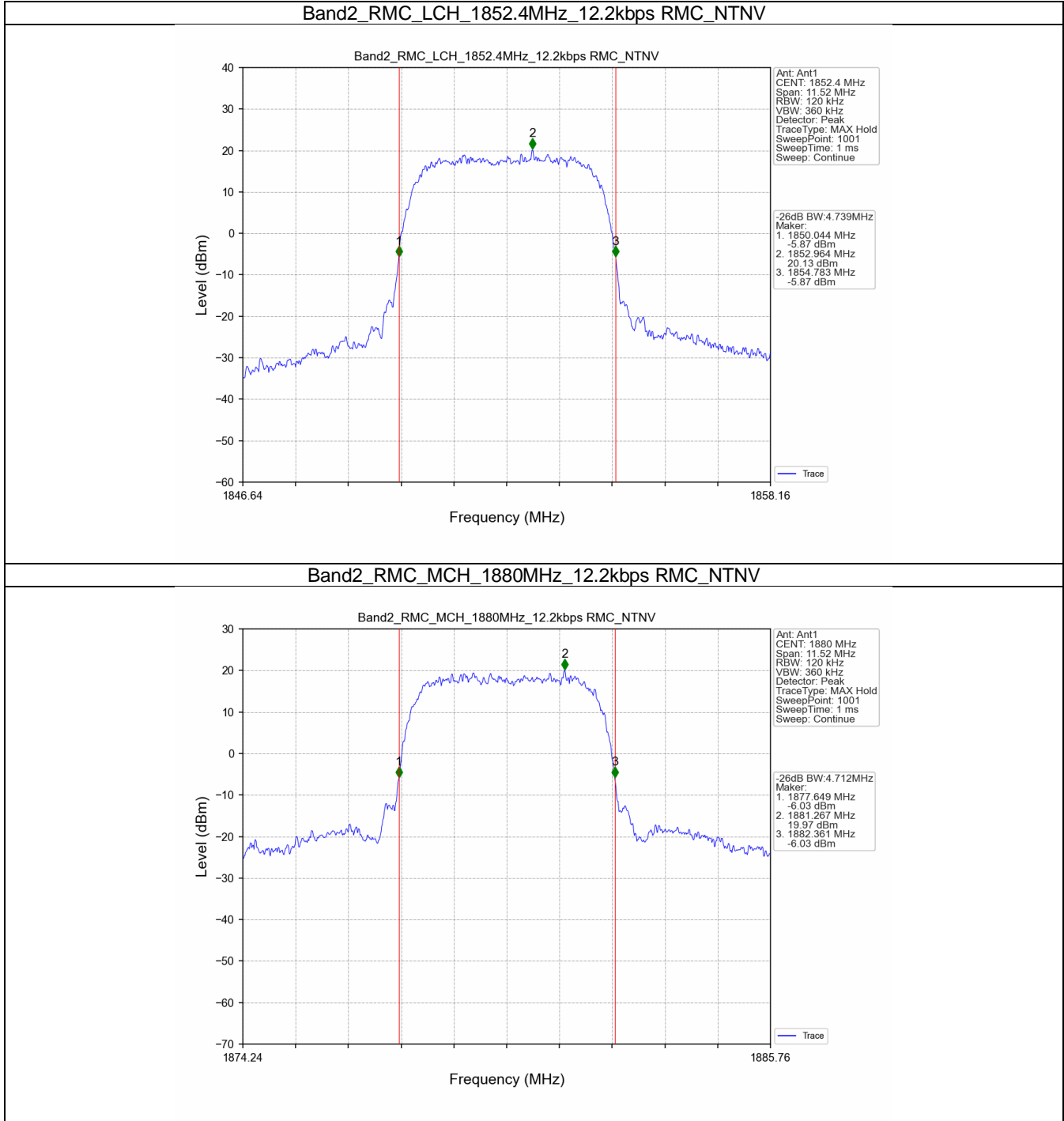
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



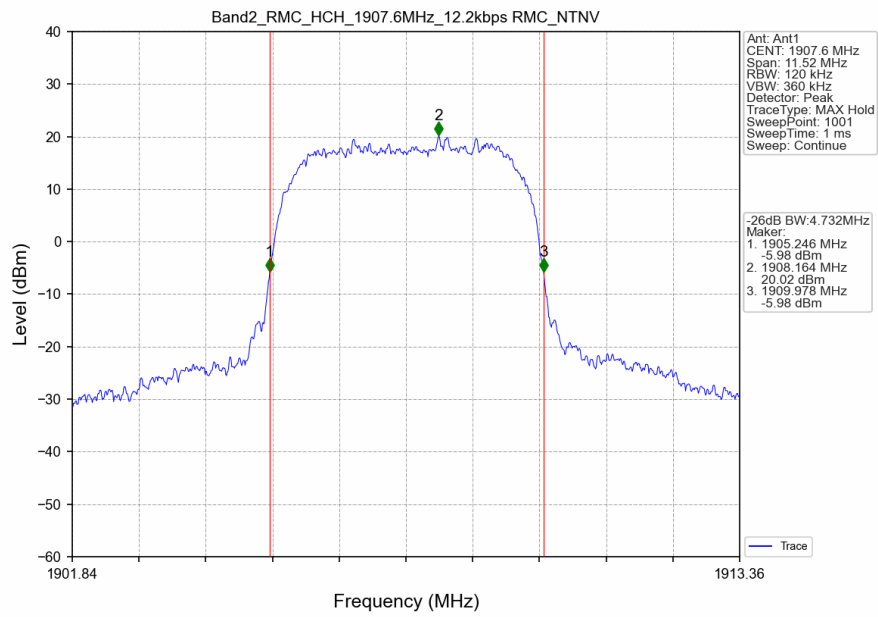
Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



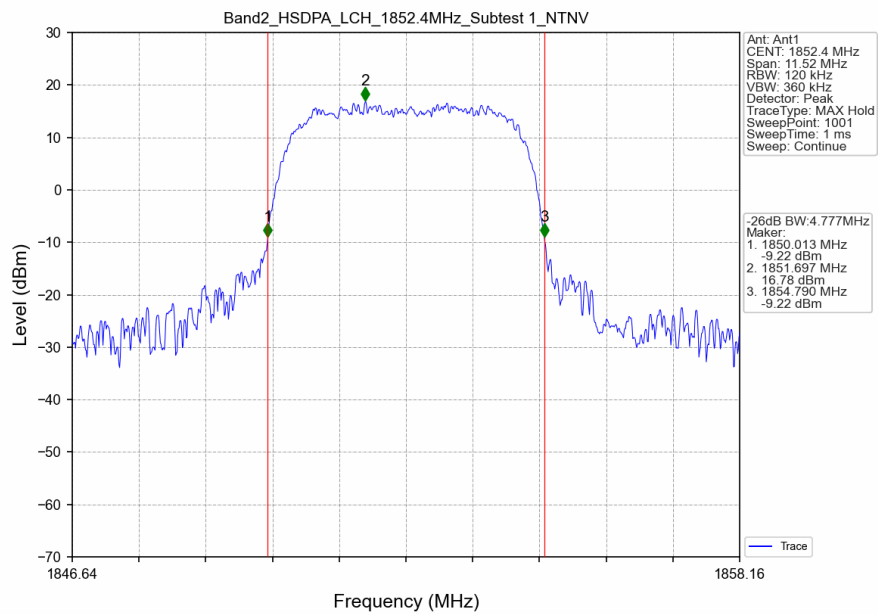
3.2.2 Band2_XDB



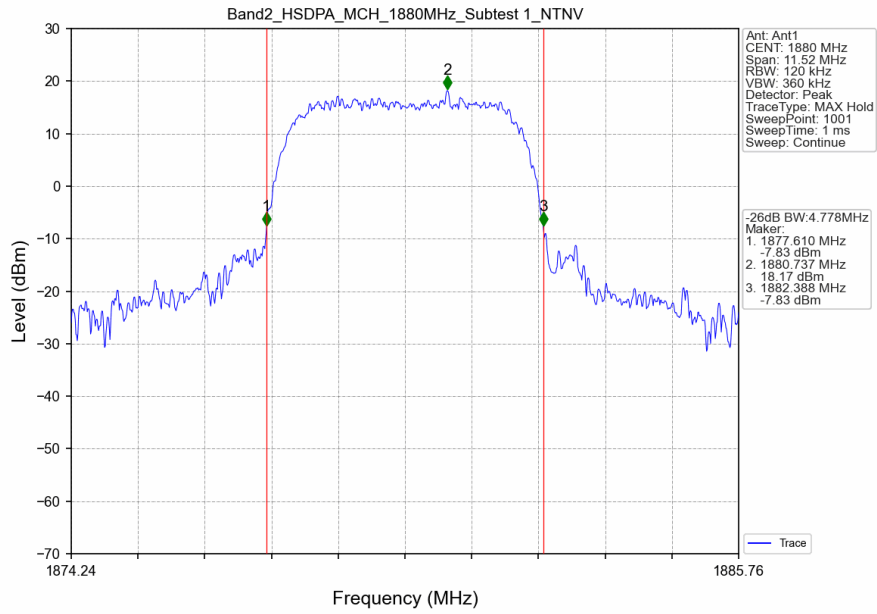
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



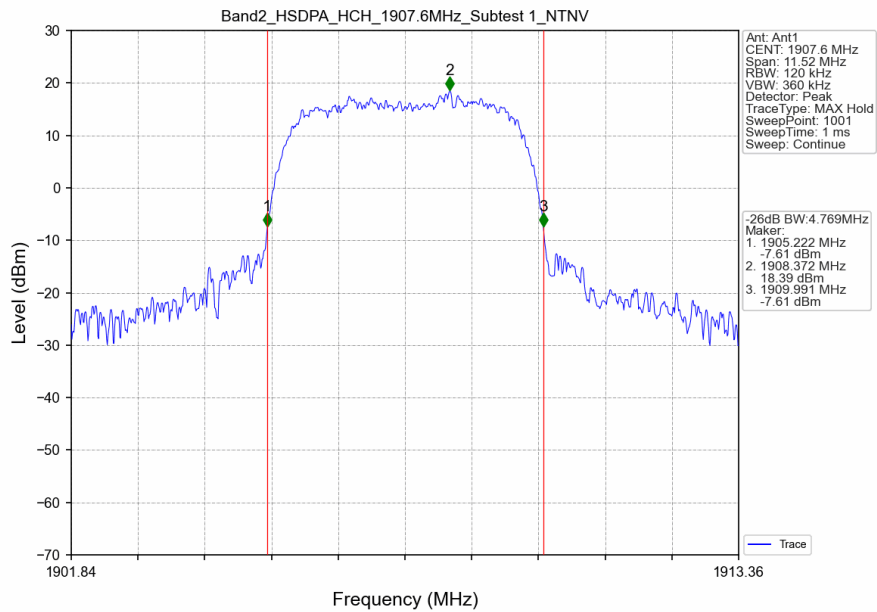
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



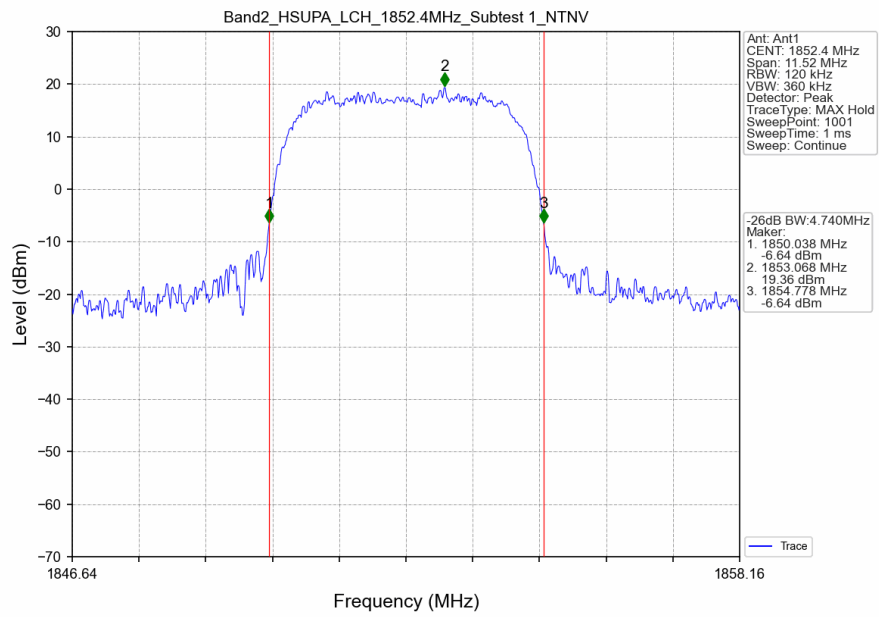
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



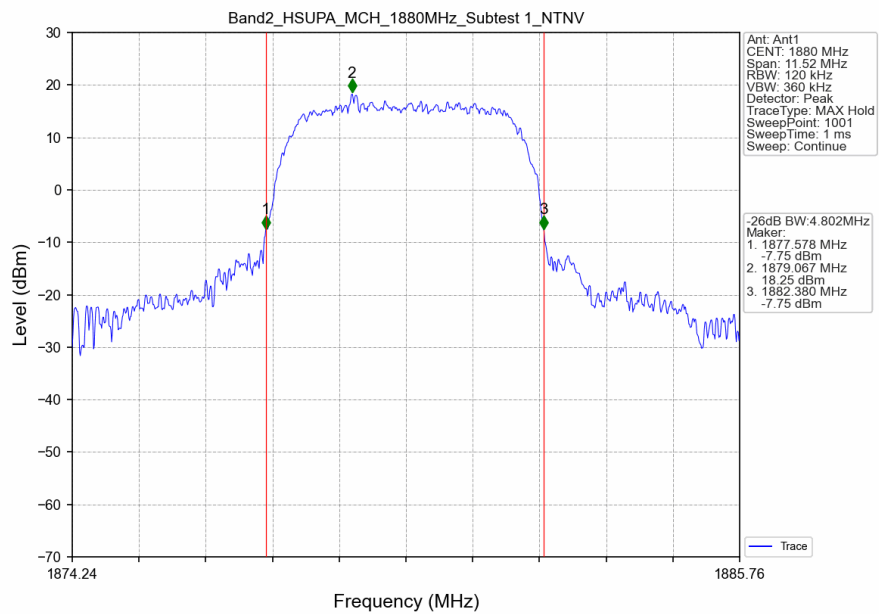
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



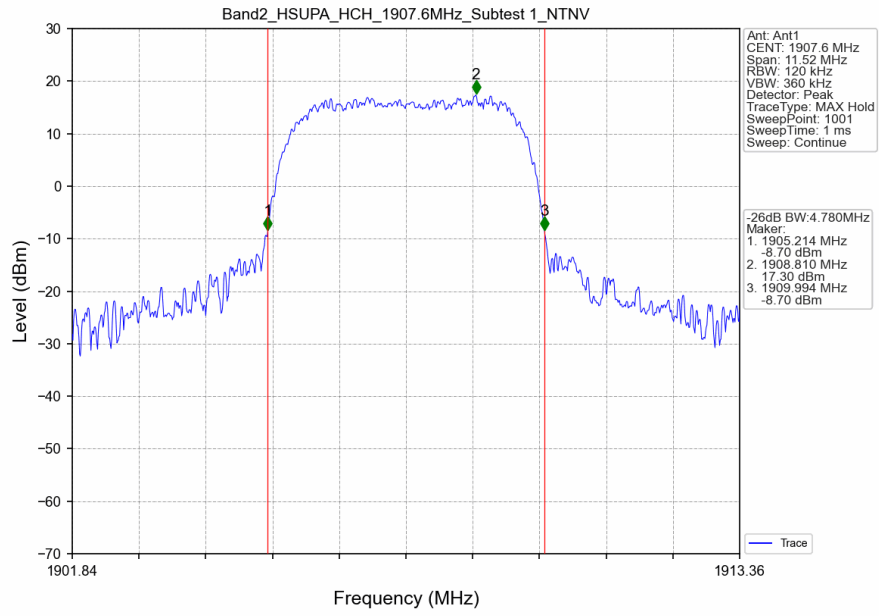
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



4. Peak-Average Ratio

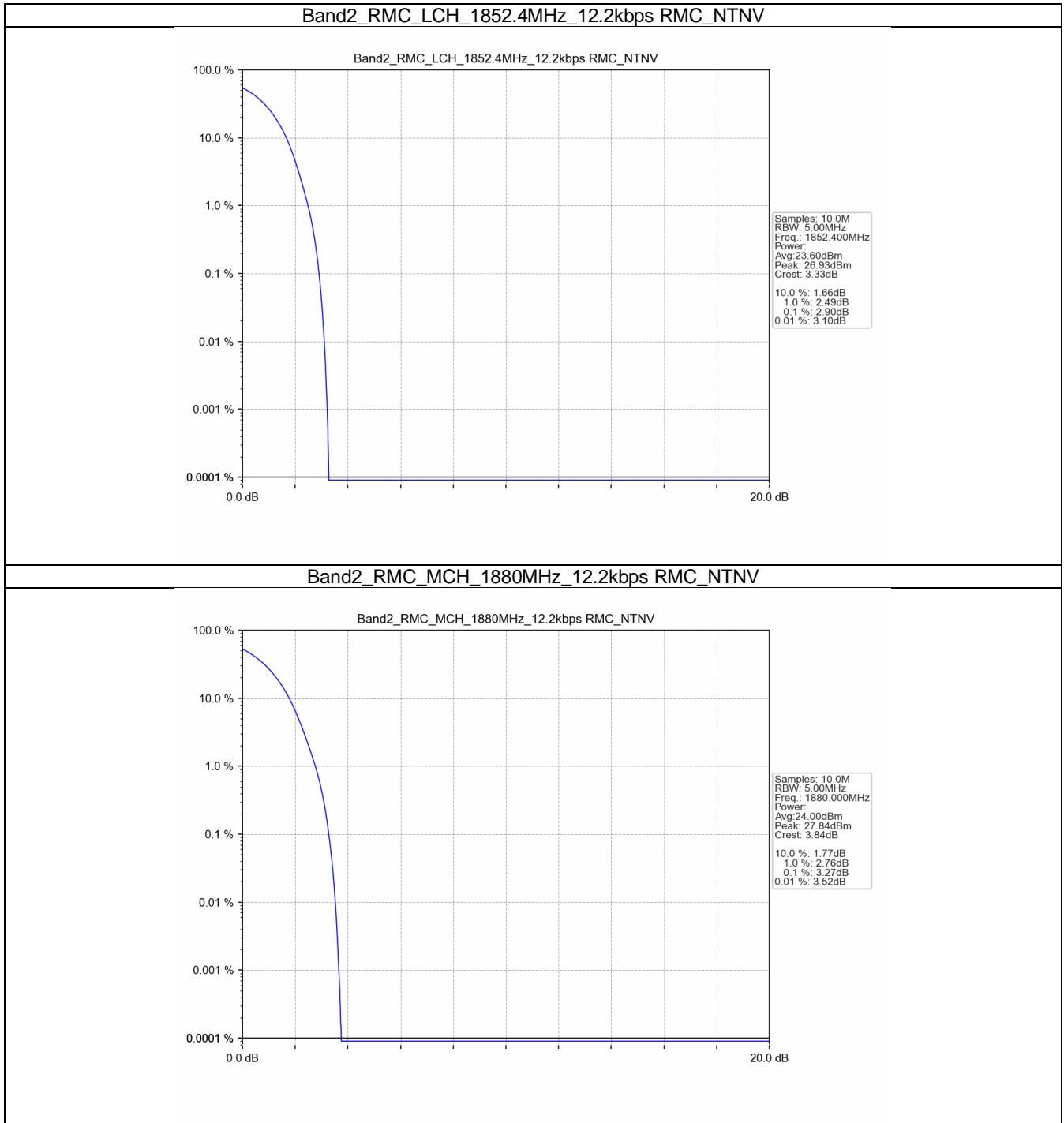
4.1 Test Result

4.1.1 Band2

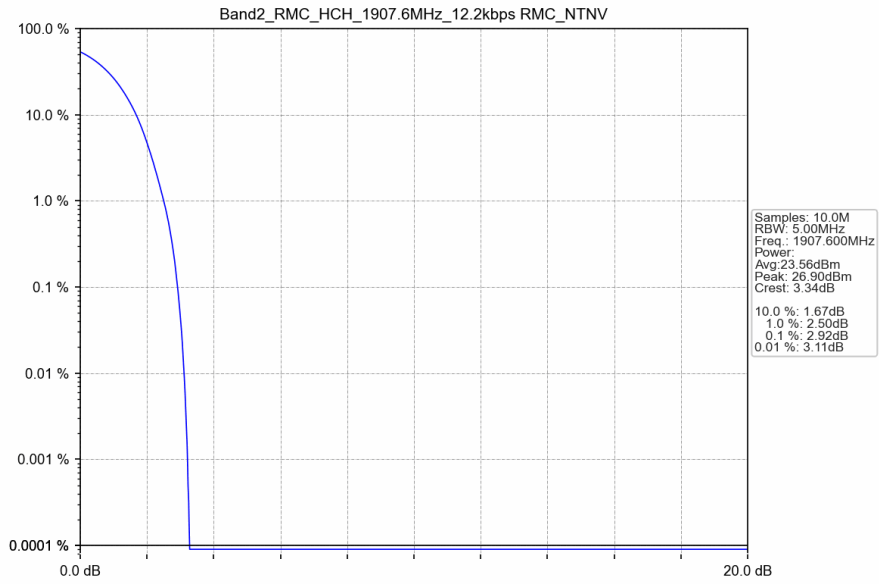
Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	2.90	<=13	Pass
			1880	3.27	<=13	Pass
			1907.6	2.92	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.56	<=13	Pass
			1880	5.88	<=13	Pass
			1907.6	5.90	<=13	Pass
	HSUPA	Subtest 1	1852.4	5.41	<=13	Pass
			1880	5.94	<=13	Pass
			1907.6	5.70	<=13	Pass

4.2 Test Graph

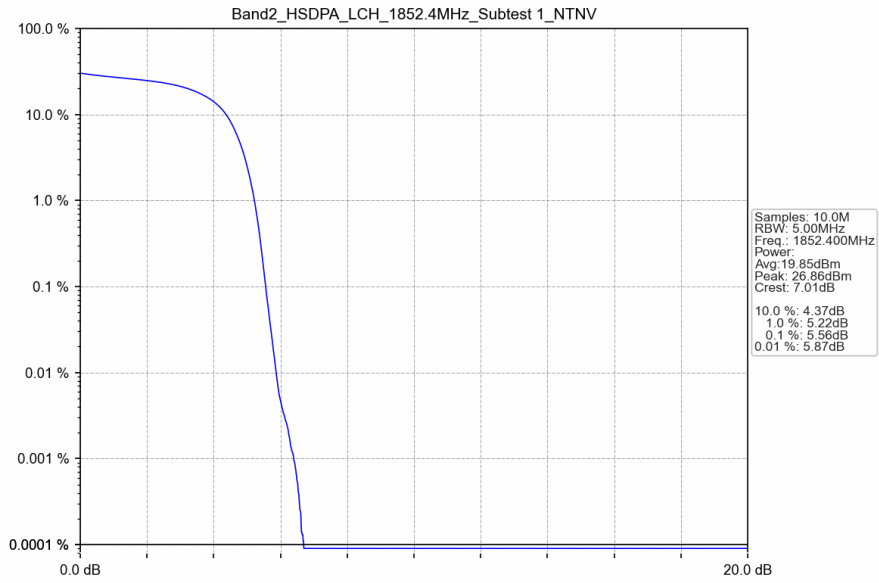
4.2.1 Band2



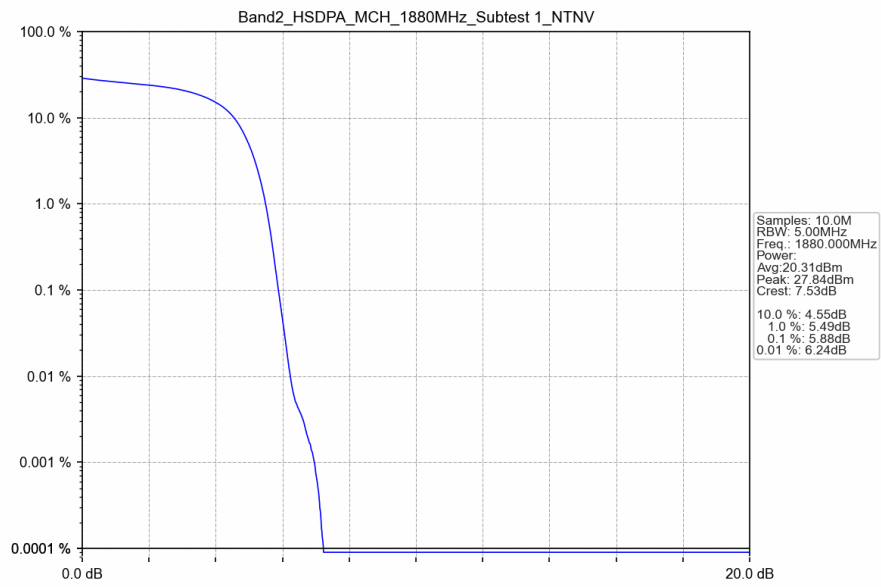
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



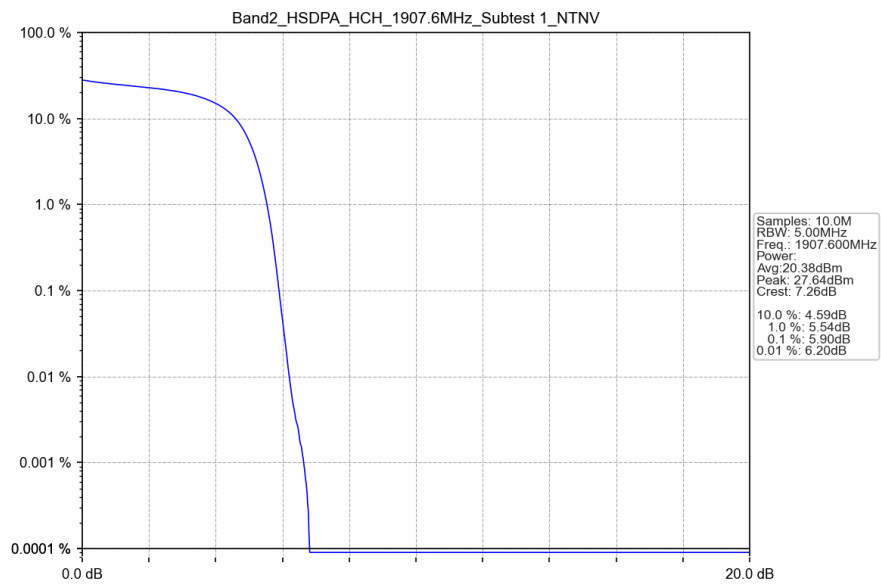
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



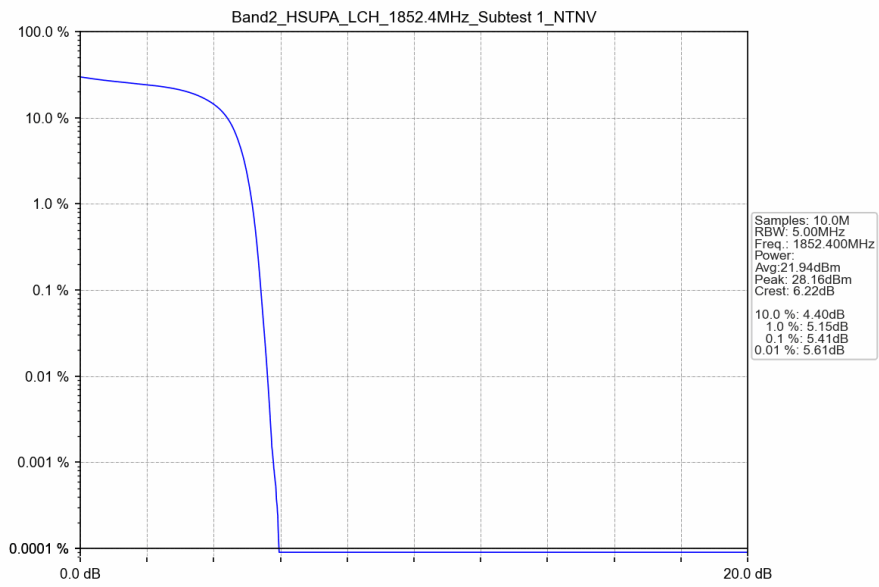
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



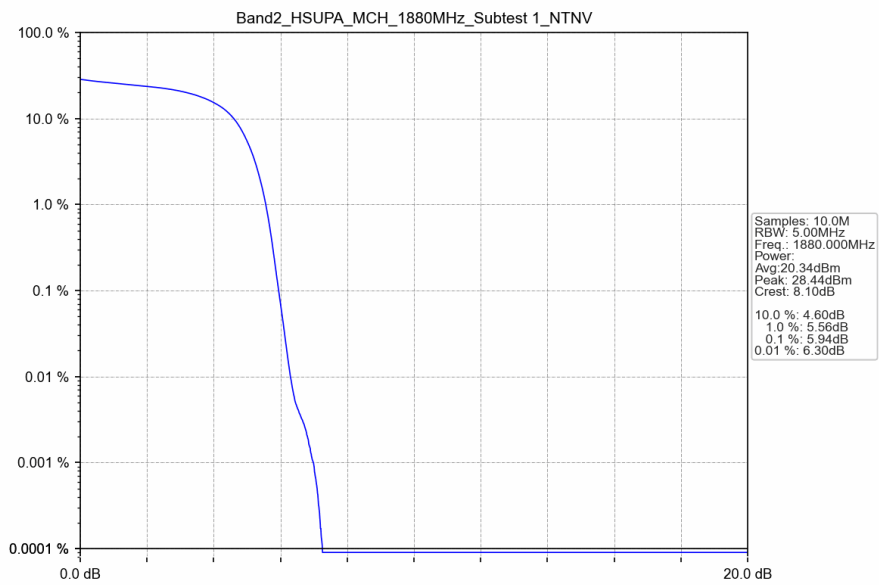
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



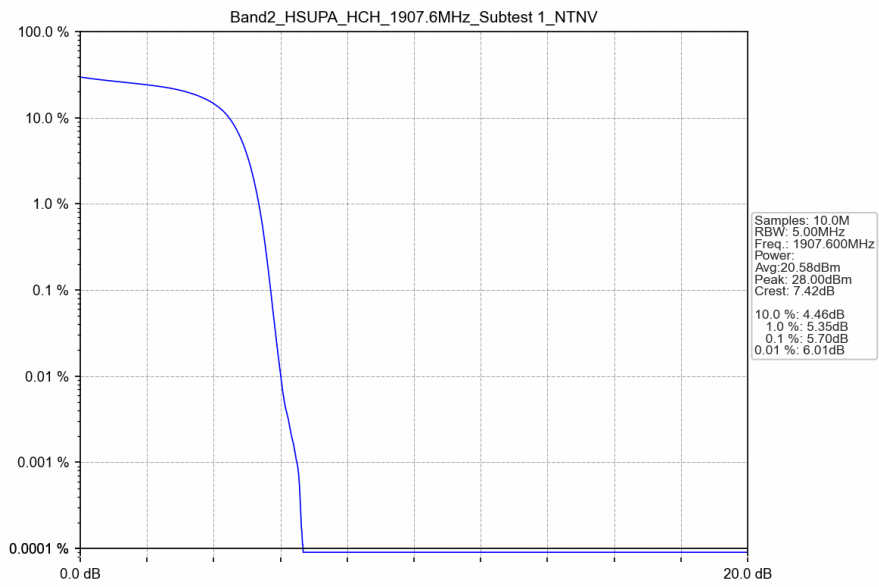
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



5. Spurious Emission

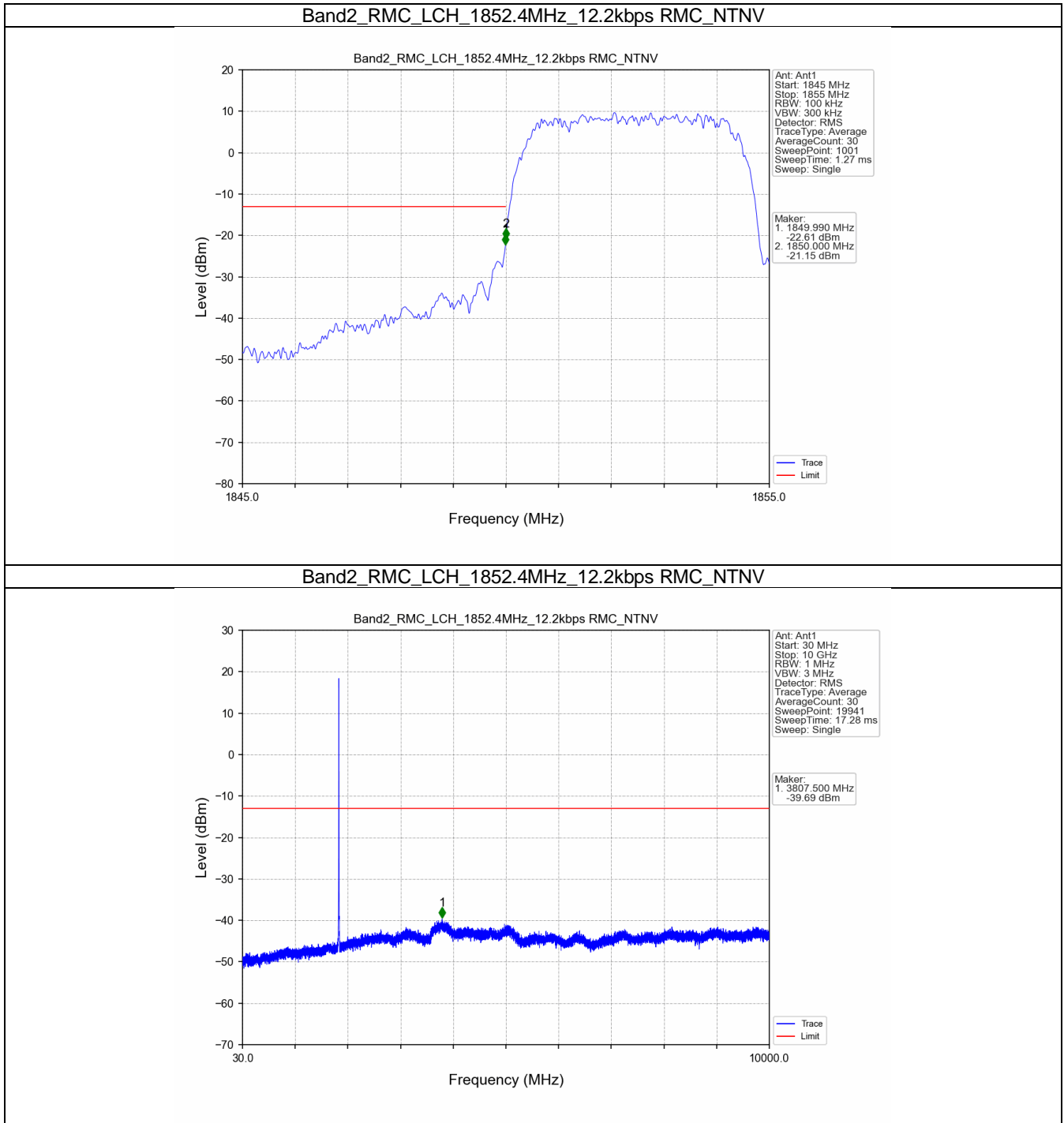
5.1 Test Result

5.1.1 Band2

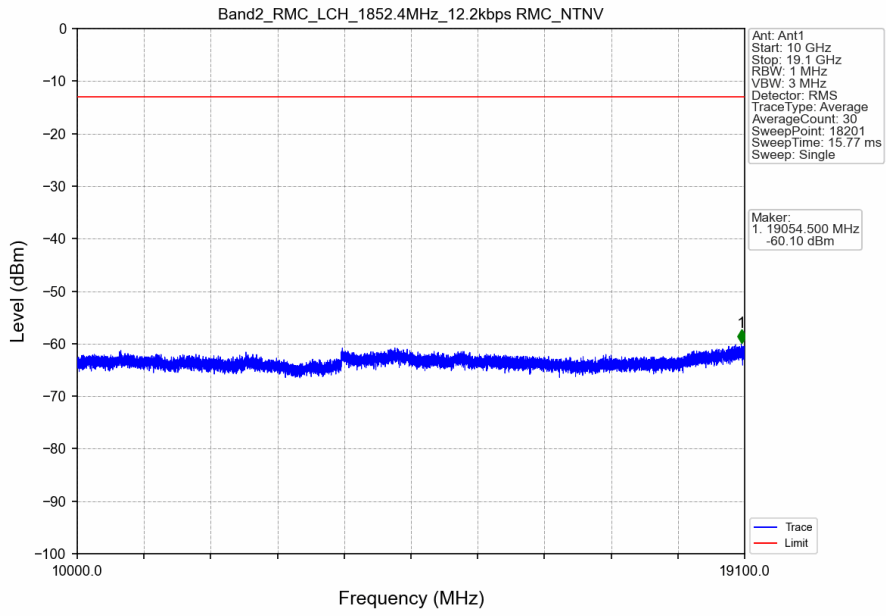
Band: 2						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass
	HSDPA	Subtest 1	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph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

5.2 Test Graph

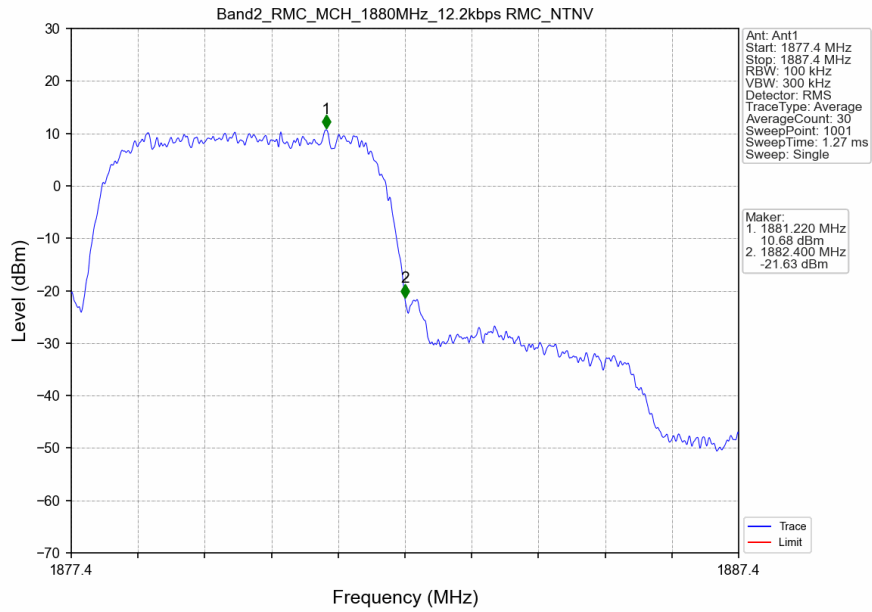
5.2.1 Band2



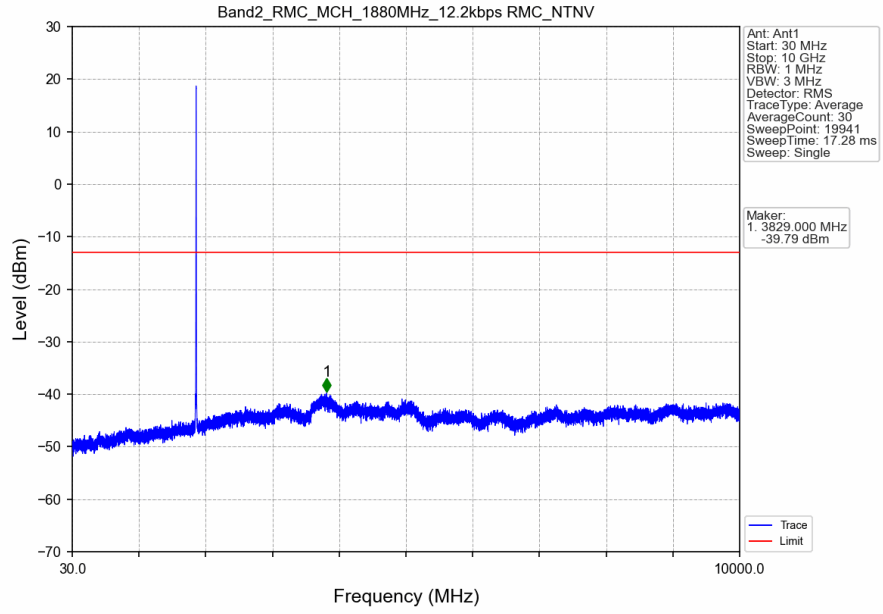
Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



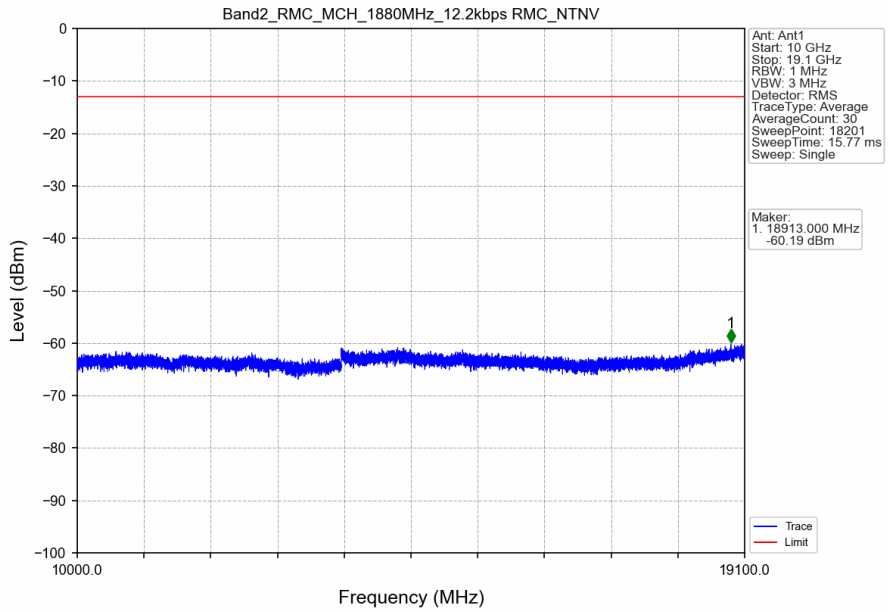
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



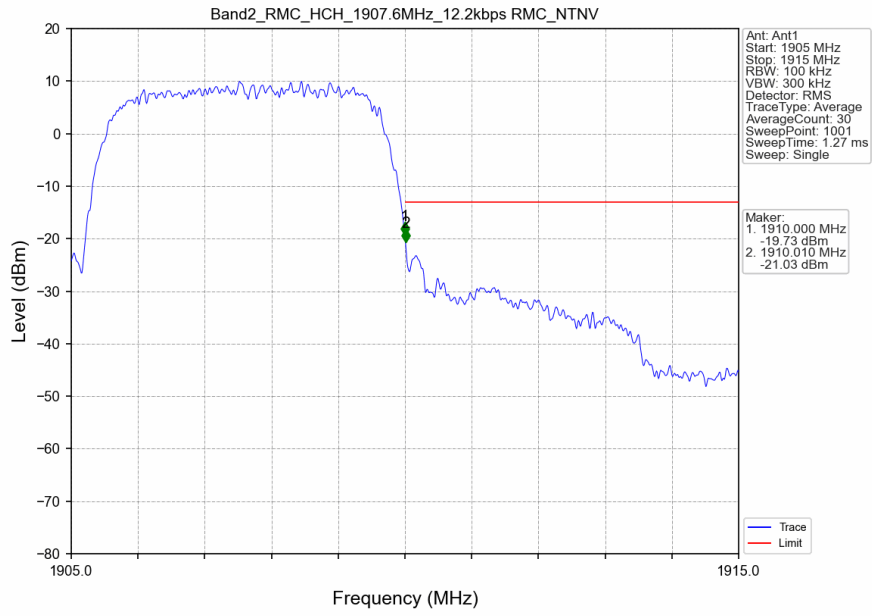
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



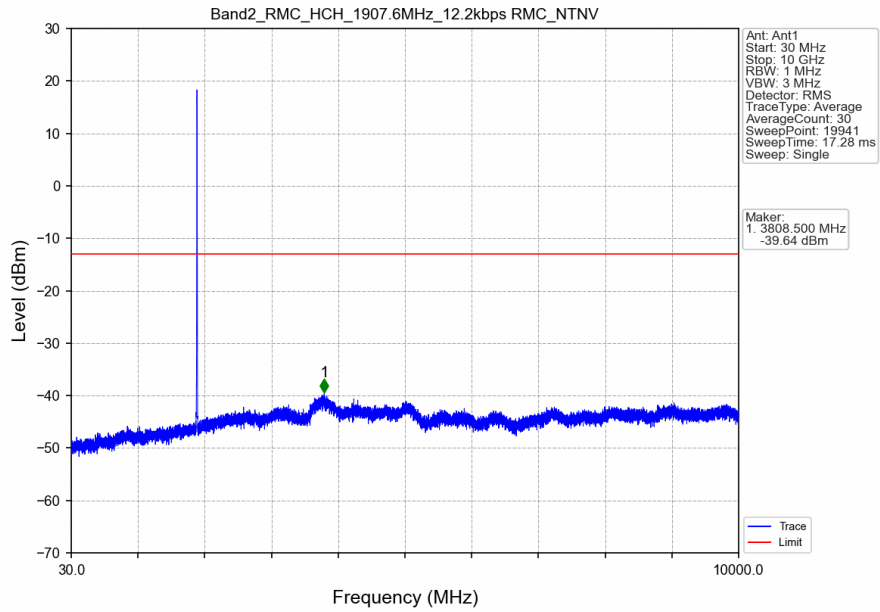
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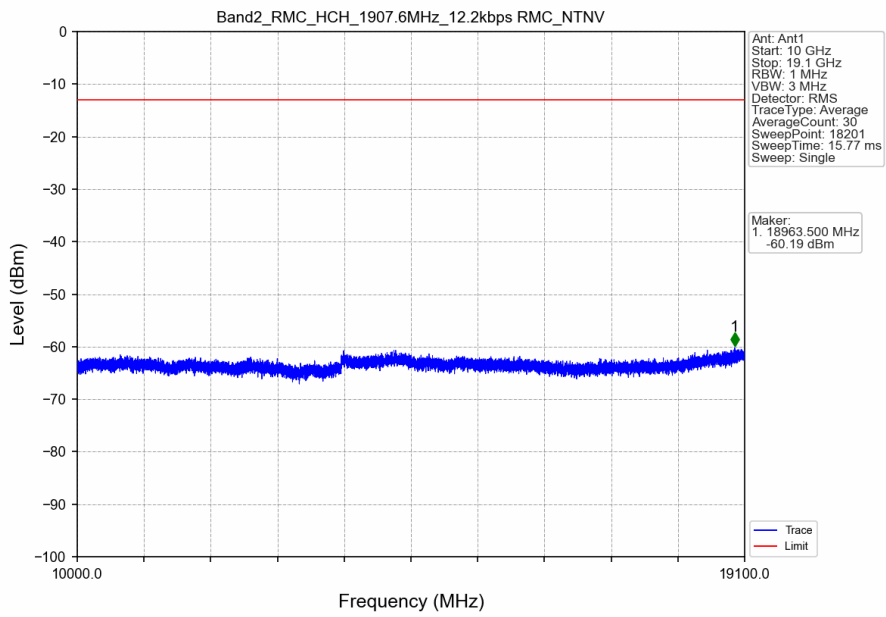
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



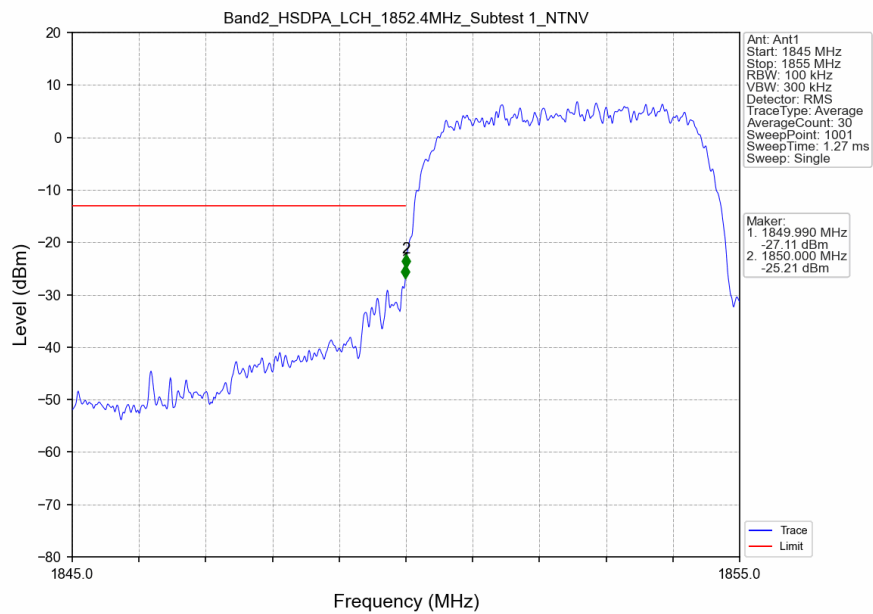
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



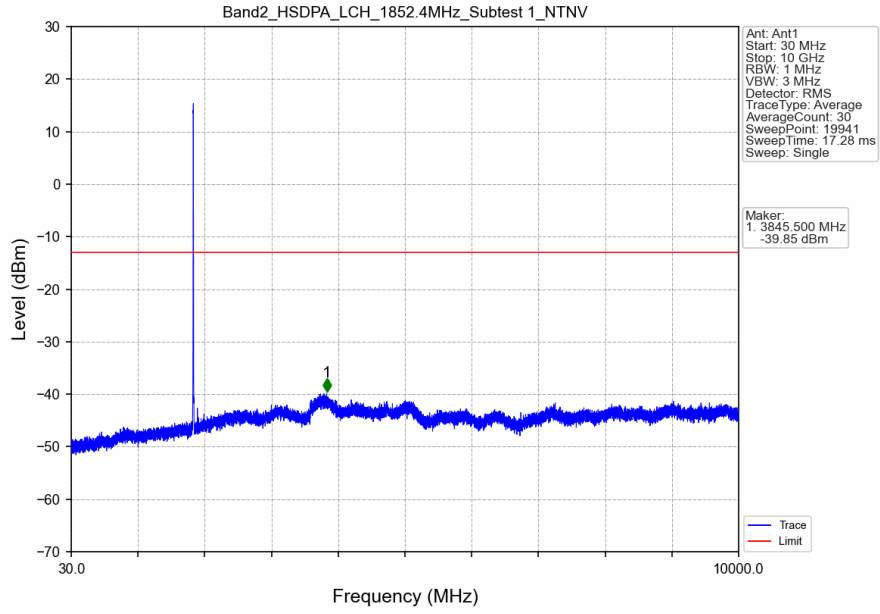
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



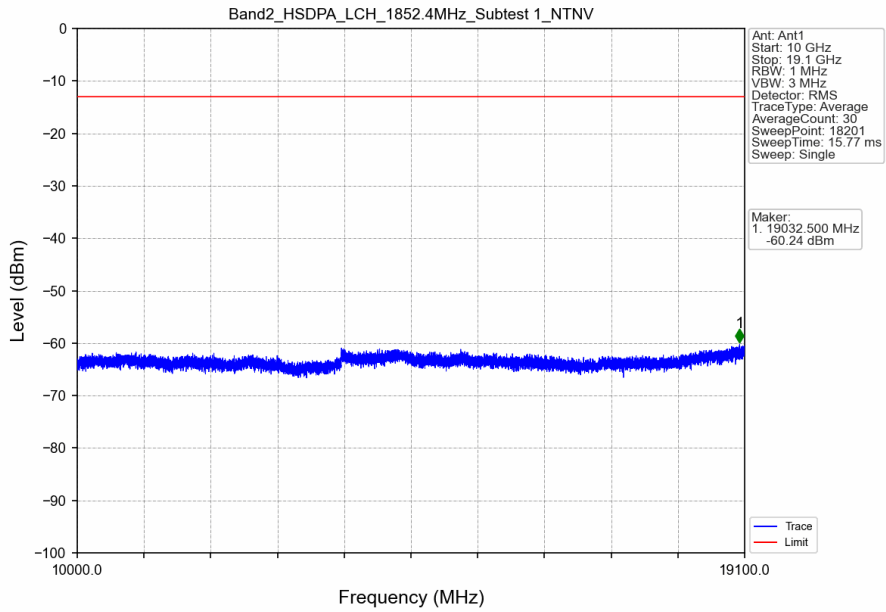
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



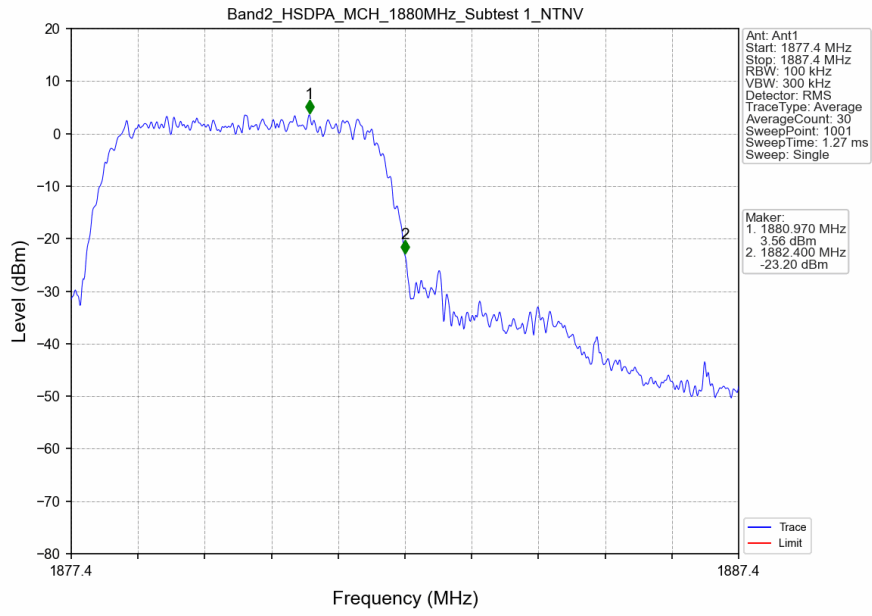
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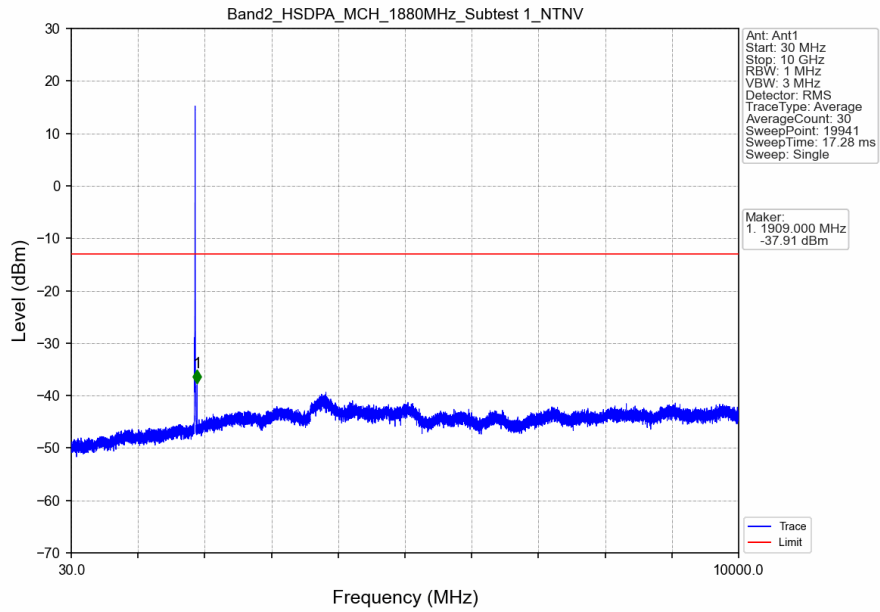
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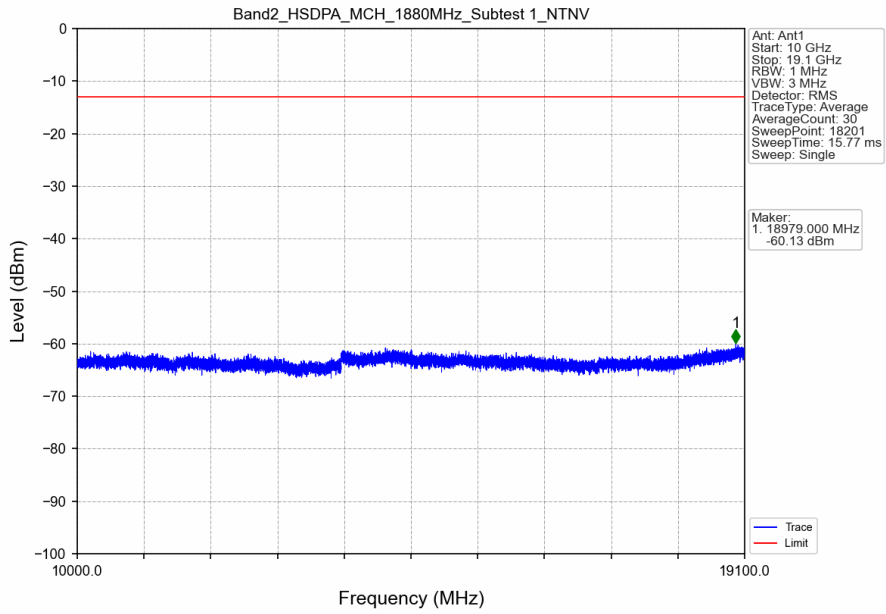
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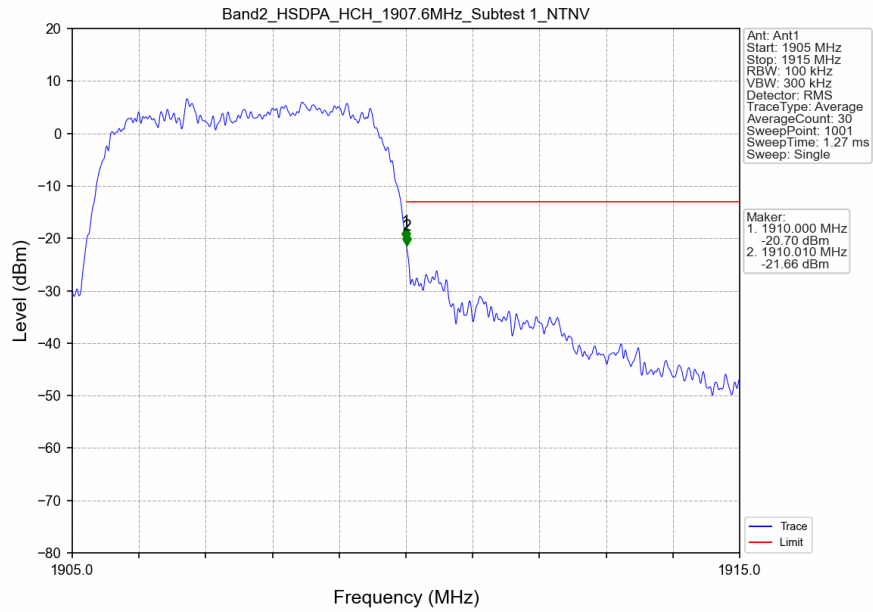
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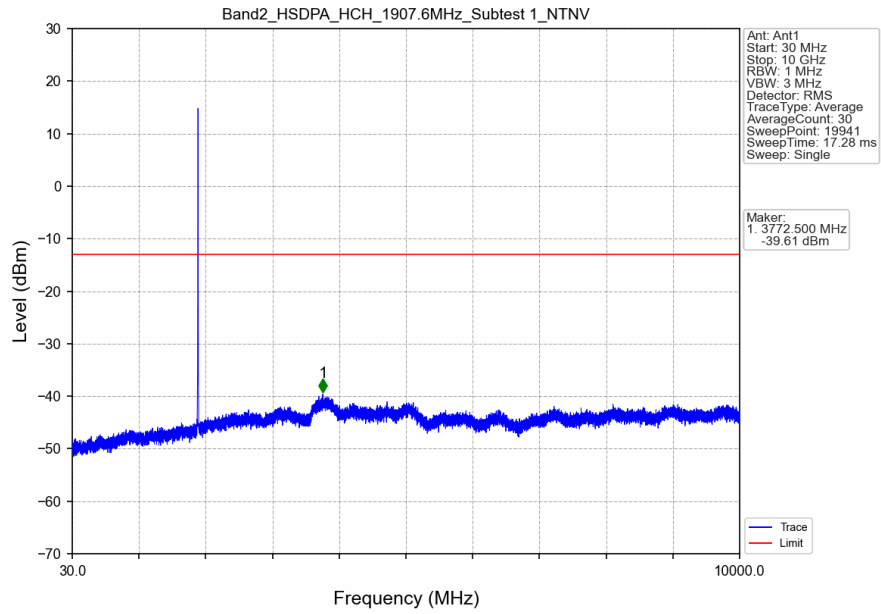
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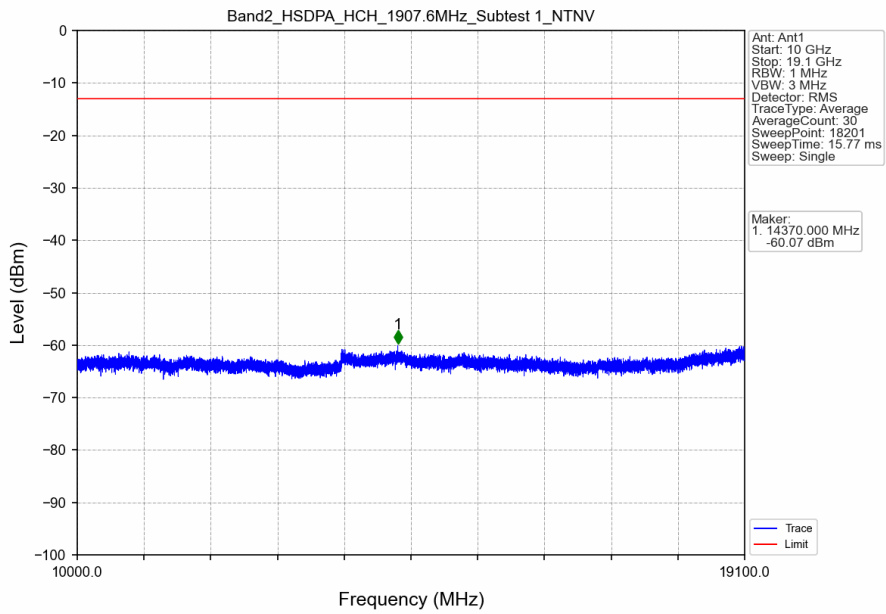
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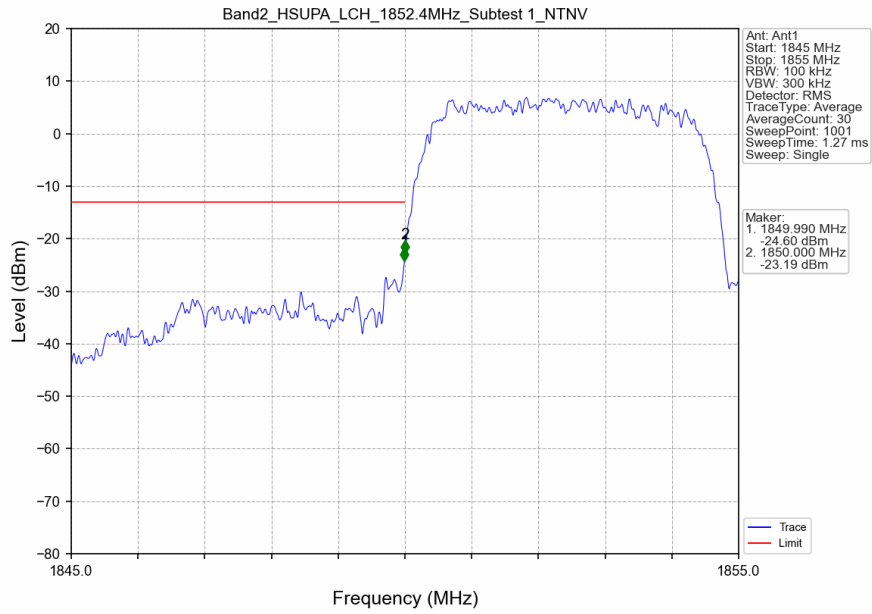
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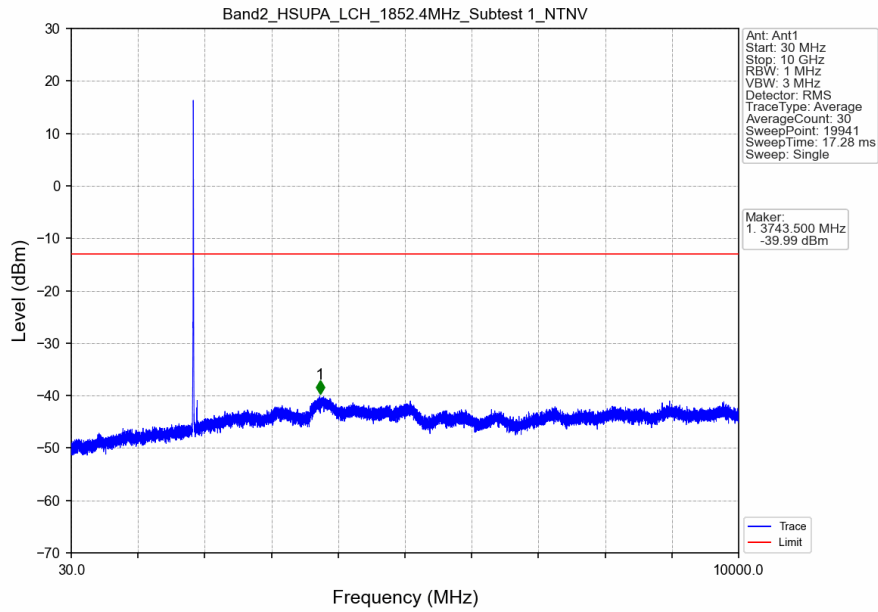
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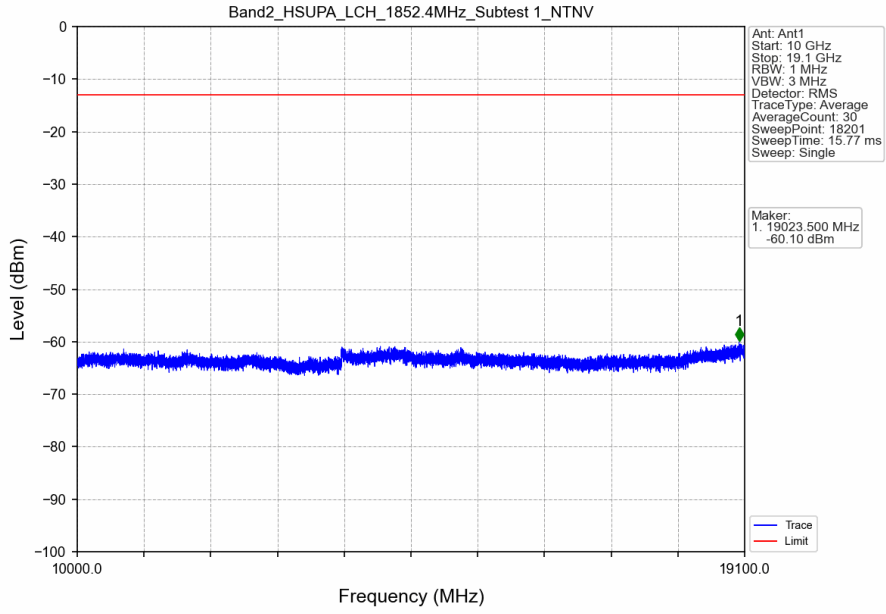
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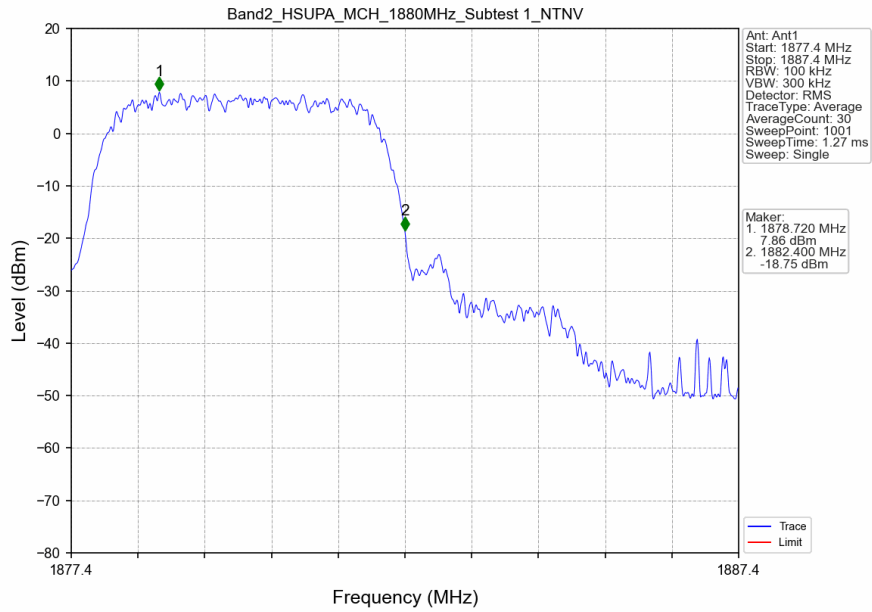
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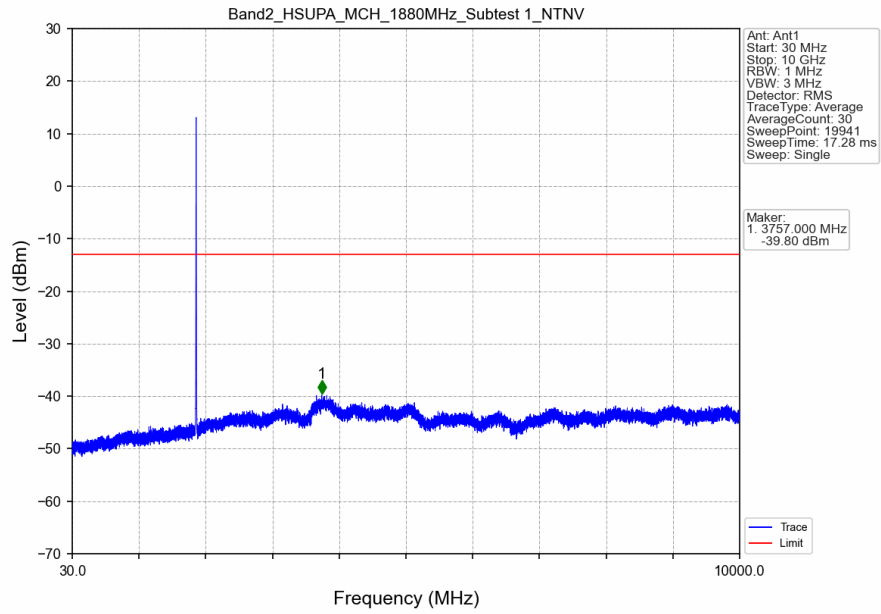
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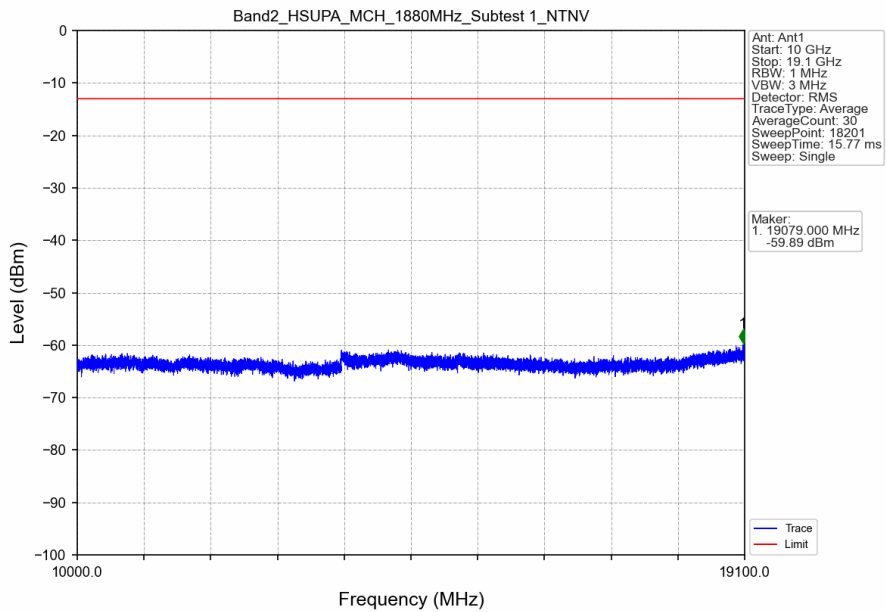
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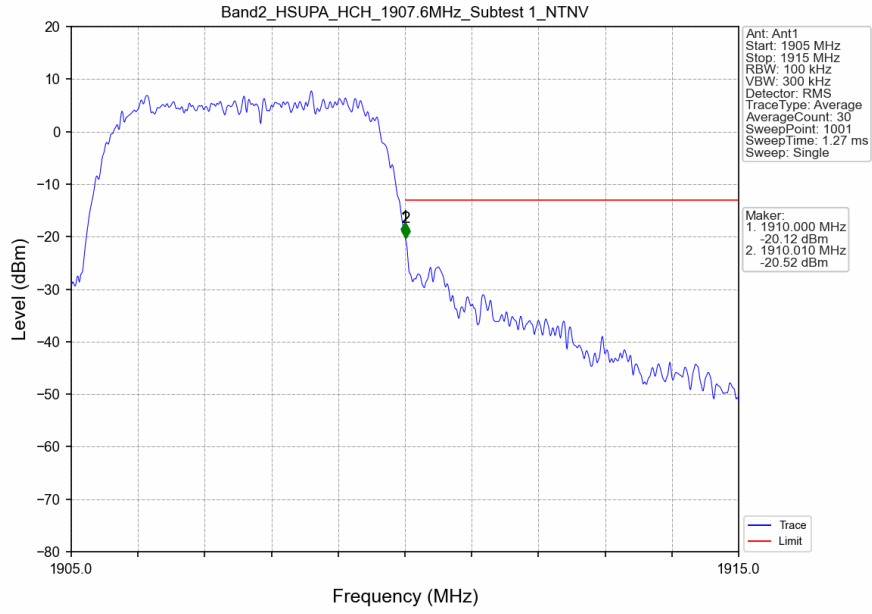
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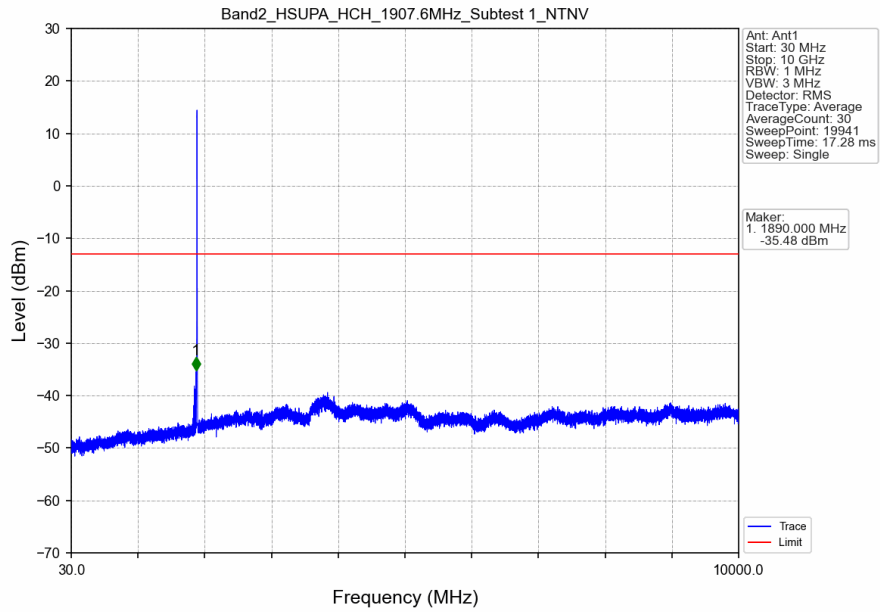
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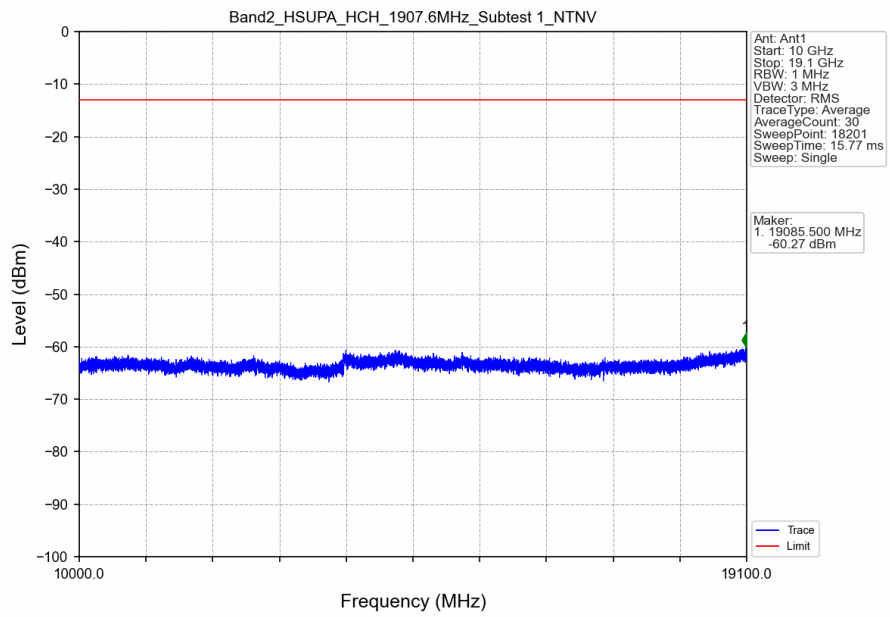
Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



6. Field Strength of Spurious Radiation

WCDMA Band 2-Low channel, Modulation: QPSK, Bandwidth:xxMHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3704.8	-59.82	-13	-46.82	-64.83	3.43	8.44	Horizontal	Pass
5557.2	-57.39	-13	-44.39	-63.6	4.24	10.45	Horizontal	Pass
7409.6	-55.84	-13	-42.84	-63.26	4.21	11.63	Horizontal	Pass
3704.8	-59.11	-13	-46.11	-64.12	3.43	8.44	Vertical	Pass
5557.2	-57.08	-13	-44.08	-63.29	4.24	10.45	Vertical	Pass
7409.6	-55.06	-13	-42.06	-62.48	4.21	11.63	Vertical	Pass

WCDMA Band 2-Middle channel, Modulation: QPSK, Bandwidth:xxMHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3760.0	-60.28	-13	-47.28	-65.34	3.46	8.52	Horizontal	Pass
5640.0	-56.92	-13	-43.92	-63.14	4.23	10.45	Horizontal	Pass
7520.0	-54.93	-13	-41.93	-62.47	4.22	11.76	Horizontal	Pass
3760.0	-59.3	-13	-46.3	-64.36	3.46	8.52	Vertical	Pass
5640.0	-58.15	-13	-45.15	-64.37	4.23	10.45	Vertical	Pass
7520.0	-56.14	-13	-43.14	-63.68	4.22	11.76	Vertical	Pass

WCDMA Band 2-High channel, Modulation: QPSK, Bandwidth:xxMHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3815.2	-59.89	-13	-46.89	-64.98	3.5	8.59	Horizontal	Pass
5722.8	-58.38	-13	-45.38	-64.6	4.23	10.45	Horizontal	Pass
7630.4	-54.79	-13	-41.79	-62.45	4.23	11.89	Horizontal	Pass
3815.2	-59.17	-13	-46.17	-64.26	3.5	8.59	Vertical	Pass
5722.8	-58.68	-13	-45.68	-64.9	4.23	10.45	Vertical	Pass
7630.4	-55.44	-13	-42.44	-63.1	4.23	11.89	Vertical	Pass