1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 BandII_EIRP

Band: II								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	24.13	-0.86	23.27	<=33.01	Pass
			1880	23.85	-0.86	22.99	<=33.01	Pass
			1907.6	23.76	-0.86	22.90	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	22.24	-0.86	21.38	<=33.01	Pass
		Subtest 2	1852.4	22.27	-0.86	21.41	<=33.01	Pass
		Subtest 3	1852.4	22.29	-0.86	21.43	<=33.01	Pass
		Subtest 4	1852.4	22.30	-0.86	21.44	<=33.01	Pass
		Subtest 1	1880	22.32	-0.86	21.46	<=33.01	Pass
		Subtest 2	1880	22.30	-0.86	21.44	<=33.01	Pass
		Subtest 3	1880	22.30	-0.86	21.44	<=33.01	Pass
		Subtest 4	1880	22.32	-0.86	21.46	<=33.01	Pass
		Subtest 1	1907.6	22.43	-0.86	21.57	<=33.01	Pass
		Subtest 2	1907.6	22.47	-0.86	21.61	<=33.01	Pass
		Subtest 3	1907.6	22.43	-0.86	21.57	<=33.01	Pass
		Subtest 4	1907.6	22.40	-0.86	21.54	<=33.01	Pass
	HSUPA	Subtest 1	1852.4	19.37	-0.86	18.51	<=33.01	Pass
		Subtest 2	1852.4	19.46	-0.86	18.60	<=33.01	Pass
		Subtest 3	1852.4	19.45	-0.86	18.59	<=33.01	Pass
		Subtest 4	1852.4	19.22	-0.86	18.36	<=33.01	Pass
		Subtest 5	1852.4	19.87	-0.86	19.01	<=33.01	Pass
		Subtest 1	1880	19.91	-0.86	19.05	<=33.01	Pass
		Subtest 2	1880	19.65	-0.86	18.79	<=33.01	Pass
		Subtest 3	1880	19.61	-0.86	18.75	<=33.01	Pass
		Subtest 4	1880	19.66	-0.86	18.80	<=33.01	Pass
		Subtest 5	1880	20.43	-0.86	19.57	<=33.01	Pass
		Subtest 1	1907.6	19.99	-0.86	19.13	<=33.01	Pass
		Subtest 2	1907.6	19.83	-0.86	18.97	<=33.01	Pass
		Subtest 3	1907.6	20.07	-0.86	19.21	<=33.01	Pass
		Subtest 4	1907.6	19.68	-0.86	18.82	<=33.01	Pass
		Subtest 5	1907.6	20.30	-0.86	19.44	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 BandII

Band: II							
Network	Frequency (MHz)	Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1852.4	20	LV	1.359	0.0007	-2.5 to 2.5	Pass
			NV	1.094	0.0006	-2.5 to 2.5	Pass
			HV	1.366	0.0007	-2.5 to 2.5	Pass
		-30	NV	-16.487	-0.0089	-2.5 to 2.5	Pass
		-20	NV	1.795	0.0010	-2.5 to 2.5	Pass
		-10	NV	0.787	0.0004	-2.5 to 2.5	Pass
		0	NV	0.851	0.0005	-2.5 to 2.5	Pass
		10	NV	1.717	0.0009	-2.5 to 2.5	Pass
		30	NV	0.250	0.0001	-2.5 to 2.5	Pass
		40	NV	1.695	0.0009	-2.5 to 2.5	Pass
		50	NV	4.005	0.0022	-2.5 to 2.5	Pass
	1880	20	LV	2.697	0.0014	-2.5 to 2.5	Pass
			NV	1.888	0.0010	-2.5 to 2.5	Pass
			HV	1.781	0.0009	-2.5 to 2.5	Pass
		-30	NV	1.831	0.0010	-2.5 to 2.5	Pass
		-20	NV	0.608	0.0003	-2.5 to 2.5	Pass
		-10	NV	2.046	0.0011	-2.5 to 2.5	Pass
		0	NV	3.448	0.0018	-2.5 to 2.5	Pass
		10	NV	3.405	0.0018	-2.5 to 2.5	Pass
		30	NV	-0.737	-0.0004	-2.5 to 2.5	Pass
		40	NV	-0.179	-0.0001	-2.5 to 2.5	Pass
		50	NV	0.744	0.0004	-2.5 to 2.5	Pass
	1907.6	20	LV	4.377	0.0023	-2.5 to 2.5	Pass
			NV	4.184	0.0022	-2.5 to 2.5	Pass
			HV	3.347	0.0018	-2.5 to 2.5	Pass
		-30	NV	-1.280	-0.0007	-2.5 to 2.5	Pass
		-20	NV	1.531	0.0008	-2.5 to 2.5	Pass
		-10	NV	2.718	0.0014	-2.5 to 2.5	Pass
		0	NV	5.322	0.0028	-2.5 to 2.5	Pass
		10	NV	3.312	0.0017	-2.5 to 2.5	Pass
		30	NV	4.442	0.0023	-2.5 to 2.5	Pass
		40	NV	2.403	0.0013	-2.5 to 2.5	Pass
		50	NV	5.293	0.0028	-2.5 to 2.5	Pass
HSDPA	1852.4	20	LV	5.972	0.0032	-2.5 to 2.5	Pass
			NV	3.777	0.0020	-2.5 to 2.5	Pass
			HV	2.789	0.0015	-2.5 to 2.5	Pass
		-30	NV	3.576	0.0019	-2.5 to 2.5	Pass
		-20	NV	2.031	0.0011	-2.5 to 2.5	Pass
		-10	NV	3.190	0.0017	-2.5 to 2.5	Pass
		0	NV	0.501	0.0003	-2.5 to 2.5	Pass
		10	NV	3.898	0.0021	-2.5 to 2.5	Pass
		30	NV	4.349	0.0023	-2.5 to 2.5	Pass
		40	NV	4.678	0.0025	-2.5 to 2.5	Pass
		50	NV	4.034	0.0022	-2.5 to 2.5	Pass
	1880	20	LV	1.631	0.0009	-2.5 to 2.5	Pass
			NV	0.644	0.0003	-2.5 to 2.5	Pass
			HV	3.333	0.0018	-2.5 to 2.5	Pass

		-30	NV	2.832	0.0015	-2.5 to 2.5	Pass
		-20	NV	1.738	0.0009	-2.5 to 2.5	Pass
		-10	NV	2.425	0.0013	-2.5 to 2.5	Pass
		0	NV	1.953	0.0010	-2.5 to 2.5	Pass
		10	NV	1.738	0.0009	-2.5 to 2.5	Pass
		30	NV	1.459	0.0008	-2.5 to 2.5	Pass
		40	NV	0.343	0.0002	-2.5 to 2.5	Pass
		50	NV	2.847	0.0015	-2.5 to 2.5	Pass
	1907.6	20	LV	4.342	0.0023	-2.5 to 2.5	Pass
			NV	-0.300	-0.0002	-2.5 to 2.5	Pass
			HV	1.209	0.0006	-2.5 to 2.5	Pass
		-30	NV	4.148	0.0022	-2.5 to 2.5	Pass
		-20	NV	-1.066	-0.0006	-2.5 to 2.5	Pass
		-10	NV	0.608	0.0003	-2.5 to 2.5	Pass
		0	NV	-0.708	-0.0004	-2.5 to 2.5	Pass
		10	NV	2.074	0.0011	-2.5 to 2.5	Pass
		30	NV	2.432	0.0013	-2.5 to 2.5	Pass
		40	NV	1.974	0.0010	-2.5 to 2.5	Pass
		50	NV	2.661	0.0014	-2.5 to 2.5	Pass
HSUPA	1852.4	20	LV	4.971	0.0027	-2.5 to 2.5	Pass
			NV	6.959	0.0038	-2.5 to 2.5	Pass
			HV	4.506	0.0024	-2.5 to 2.5	Pass
		-30	NV	3.262	0.0018	-2.5 to 2.5	Pass
		-20	NV	6.580	0.0036	-2.5 to 2.5	Pass
		-10	NV	4.971	0.0027	-2.5 to 2.5	Pass
		0	NV	3.998	0.0022	-2.5 to 2.5	Pass
		10	NV	0.994	0.0005	-2.5 to 2.5	Pass
		30	NV	3.018	0.0016	-2.5 to 2.5	Pass
		40	NV	5.465	0.0030	-2.5 to 2.5	Pass
		50	NV	5.307	0.0029	-2.5 to 2.5	Pass
	1880	20	LV	6.344	0.0034	-2.5 to 2.5	Pass
			NV	7.596	0.0040	-2.5 to 2.5	Pass
			HV	5.329	0.0028	-2.5 to 2.5	Pass
		-30	NV	6.344	0.0034	-2.5 to 2.5	Pass
		-20	NV	7.753	0.0041	-2.5 to 2.5	Pass
		-10	NV	8.798	0.0047	-2.5 to 2.5	Pass
		0	NV	3.383	0.0018	-2.5 to 2.5	Pass
		10	NV	6.495	0.0035	-2.5 to 2.5	Pass
		30	NV	5.329	0.0028	-2.5 to 2.5	Pass
		40	NV	8.769	0.0047	-2.5 to 2.5	Pass
		50	NV	5.822	0.0031	-2.5 to 2.5	Pass
	1907.6	20	LV	7.560	0.0040	-2.5 to 2.5	Pass
			NV	6.788	0.0036	-2.5 to 2.5	Pass
			HV	7.188	0.0038	-2.5 to 2.5	Pass
		-30	NV	4.628	0.0024	-2.5 to 2.5	Pass
		-20	NV	9.756	0.0051	-2.5 to 2.5	Pass
		-10	NV	8.454	0.0044	-2.5 to 2.5	Pass
		0	NV	8.218	0.0043	-2.5 to 2.5	Pass
		10	NV	4.199	0.0022	-2.5 to 2.5	Pass
		30	NV	5.286	0.0028	-2.5 to 2.5	Pass
		40	NV	4.277	0.0022	-2.5 to 2.5	Pass
		50	NV	5.300	0.0028	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 BandII_OBW

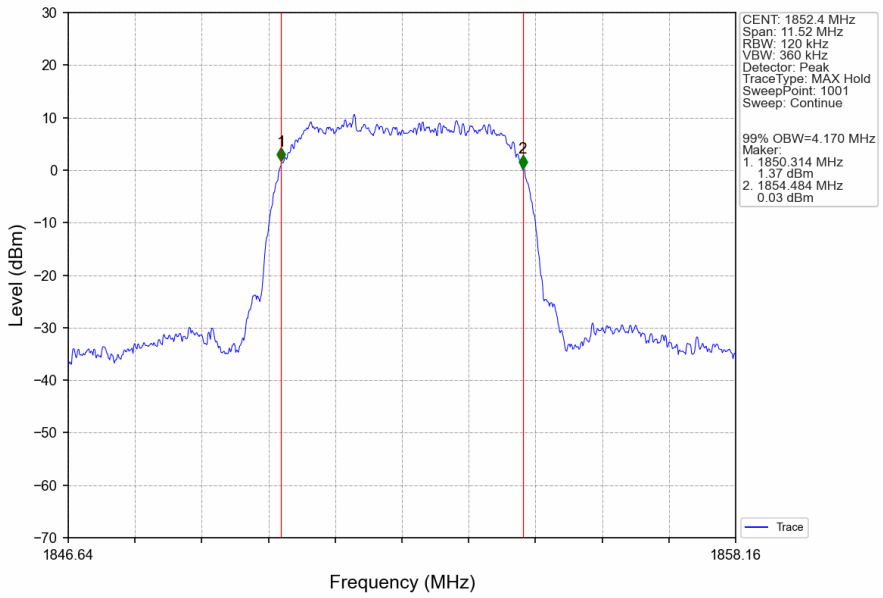
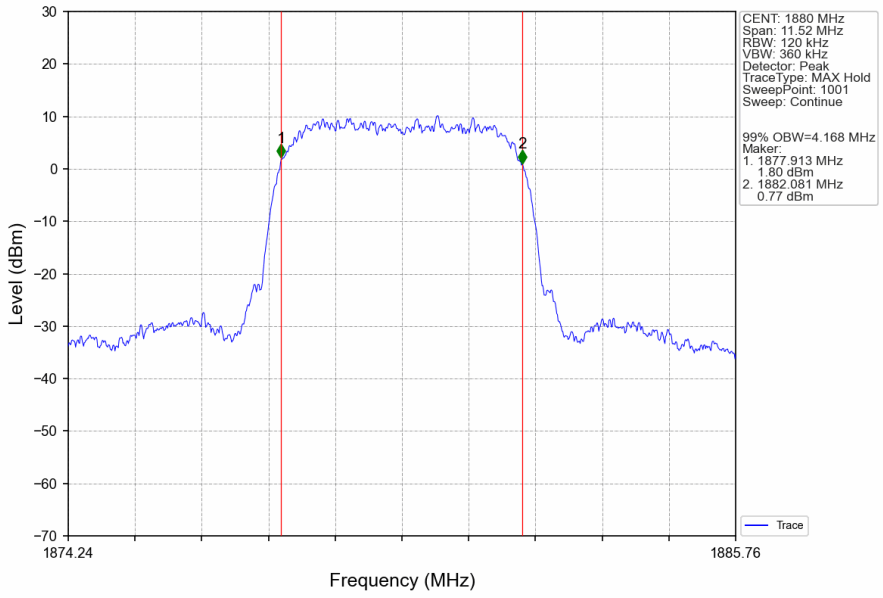
Band: II						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.170	/	Pass
			1880	4.168	/	Pass
			1907.6	4.172	/	Pass
	HSDPA	Subtest 1	1852.4	4.191	/	Pass
			1880	4.180	/	Pass
			1907.6	4.178	/	Pass
	HSUPA	Subtest 1	1852.4	4.166	/	Pass
			1880	4.191	/	Pass
			1907.6	4.178	/	Pass

3.1.2 BandII_XDB

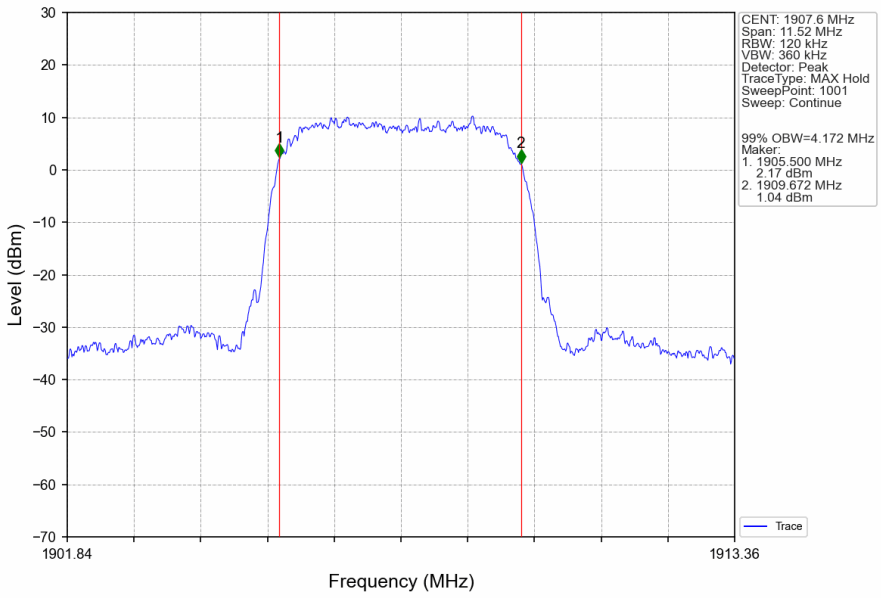
Band: II						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.717	/	Pass
			1880	4.720	/	Pass
			1907.6	4.729	/	Pass
	HSDPA	Subtest 1	1852.4	4.760	/	Pass
			1880	4.765	/	Pass
			1907.6	4.764	/	Pass
	HSUPA	Subtest 1	1852.4	4.729	/	Pass
			1880	4.744	/	Pass
			1907.6	4.754	/	Pass

3.2 Test Graph

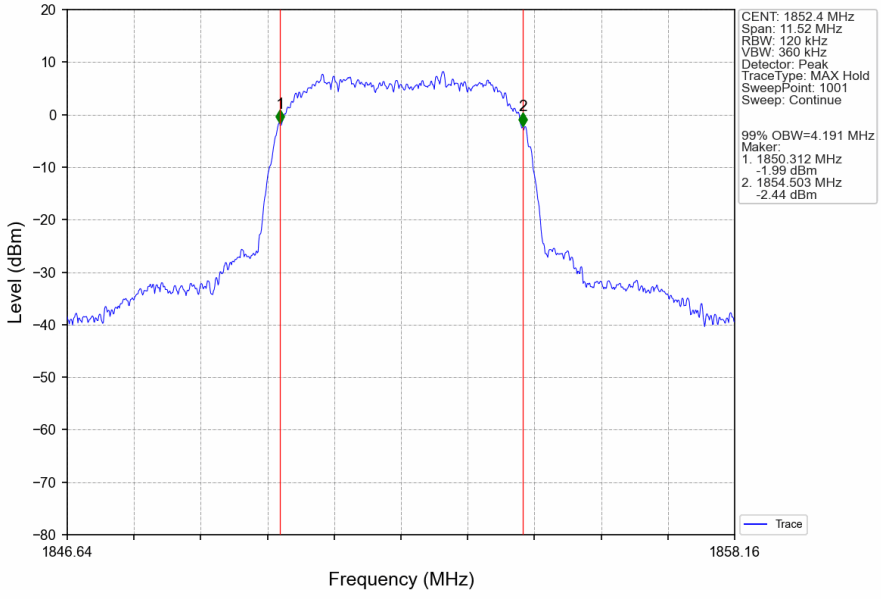
3.2.1 BandII_OBW

BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV

BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV


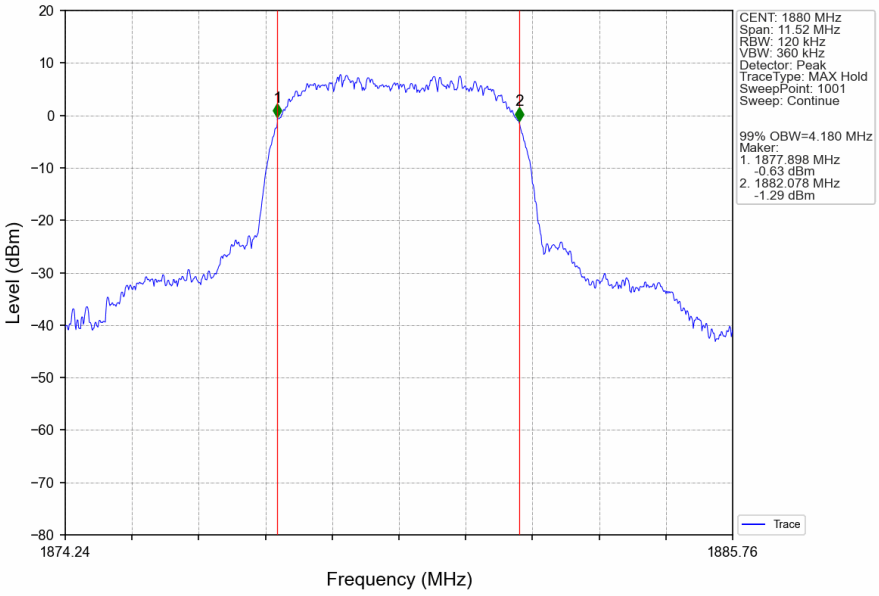
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



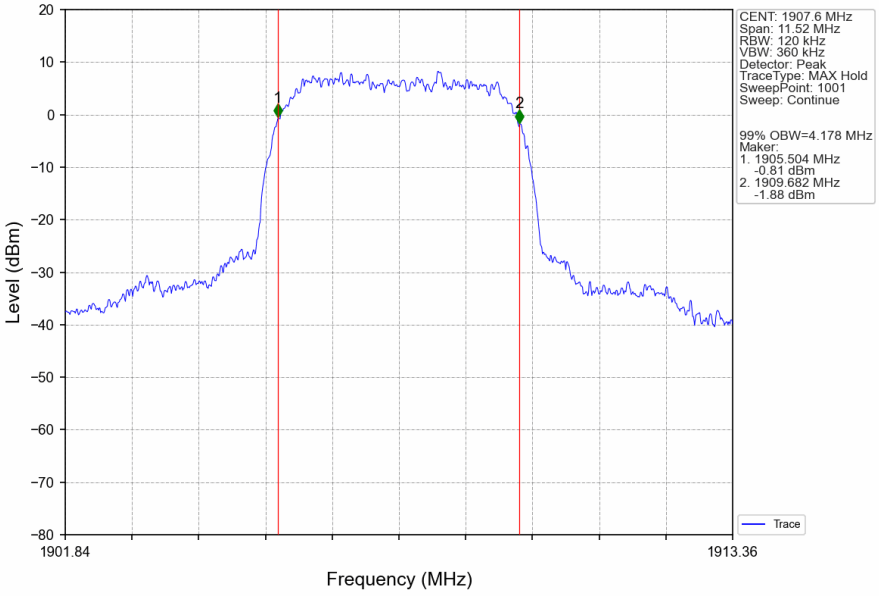
BandII_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



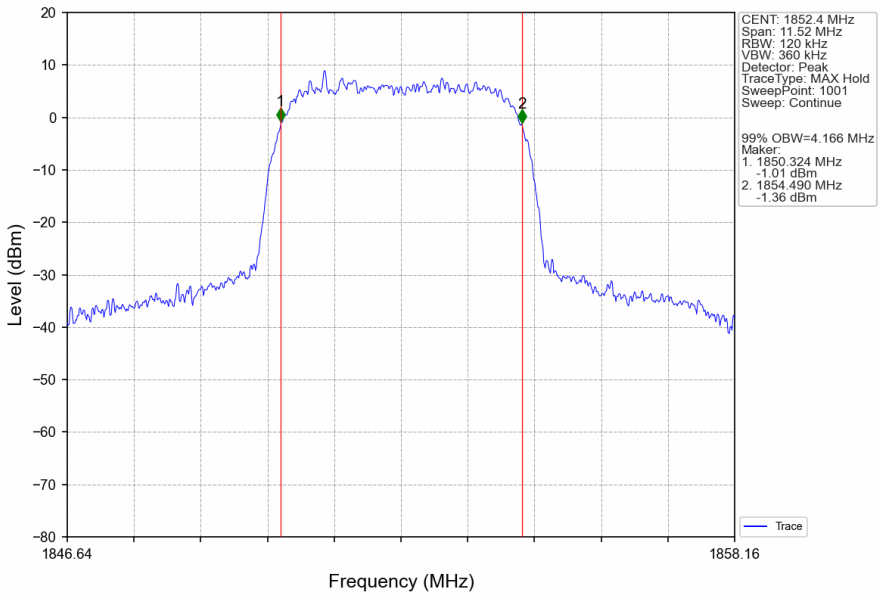
BandII_HSDPA_MCH_1880MHz_Subtest 1_NTNV



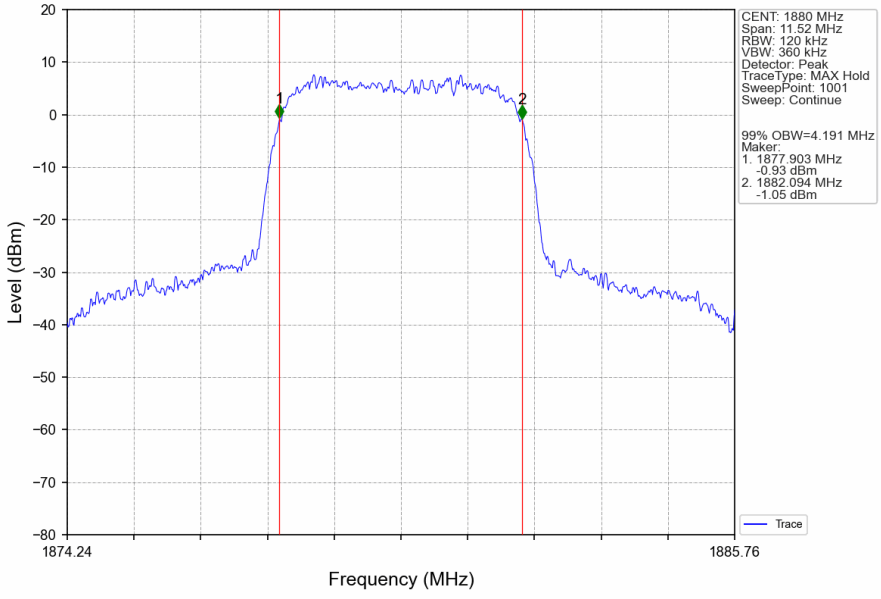
BandII_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



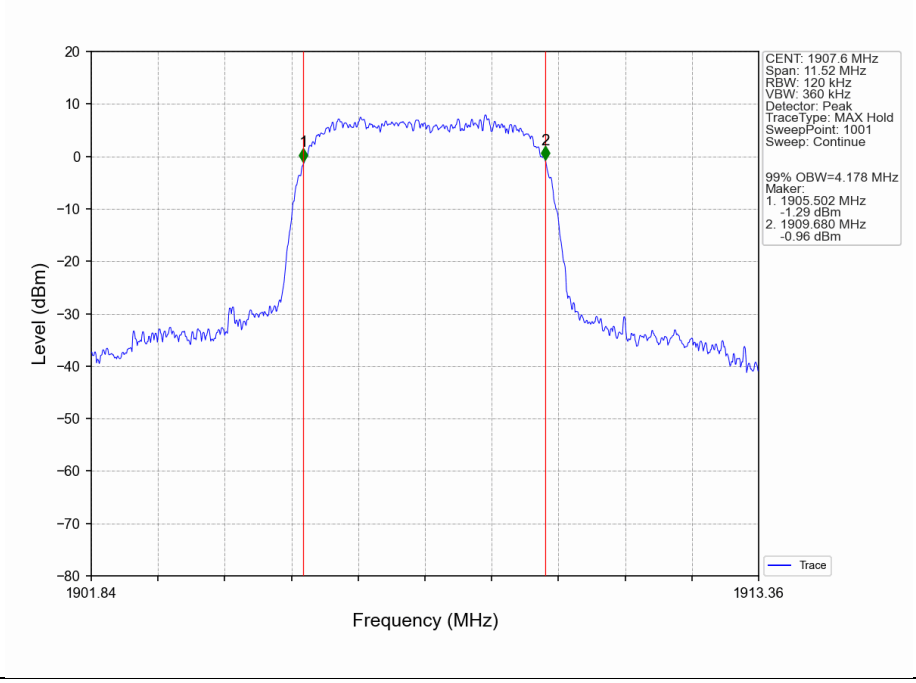
BandII_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



BandII_HSUPA_MCH_1880MHz_Subtest 1_NTNV

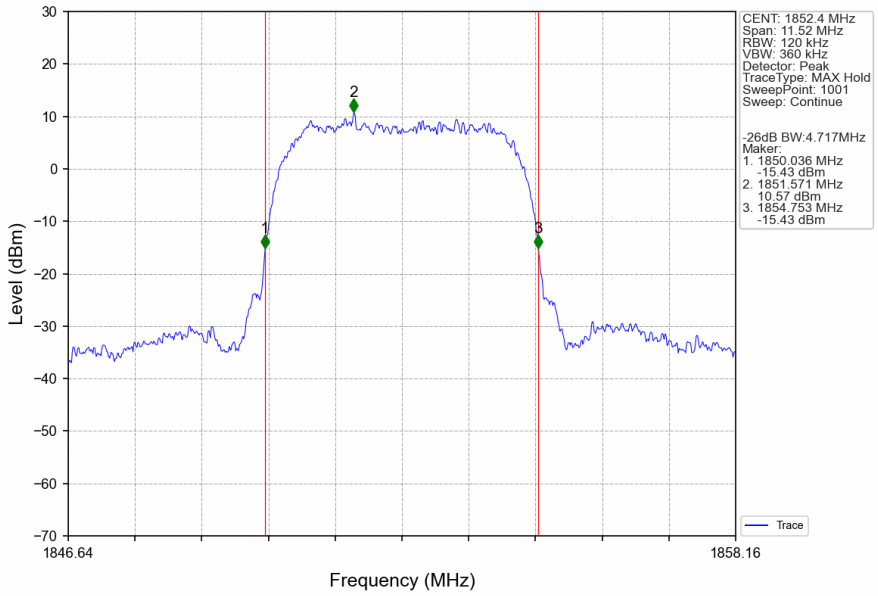


BandII_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

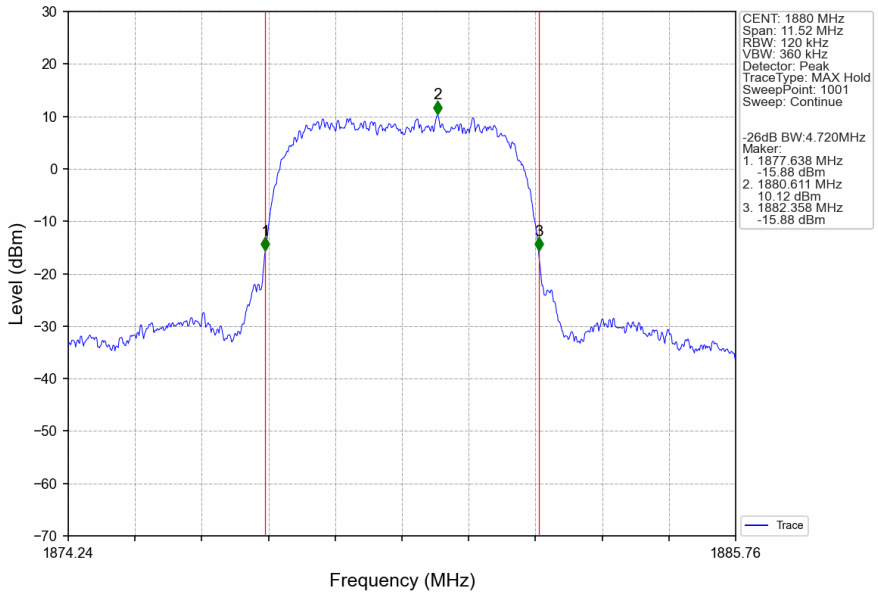


3.2.2 BandII_XDB

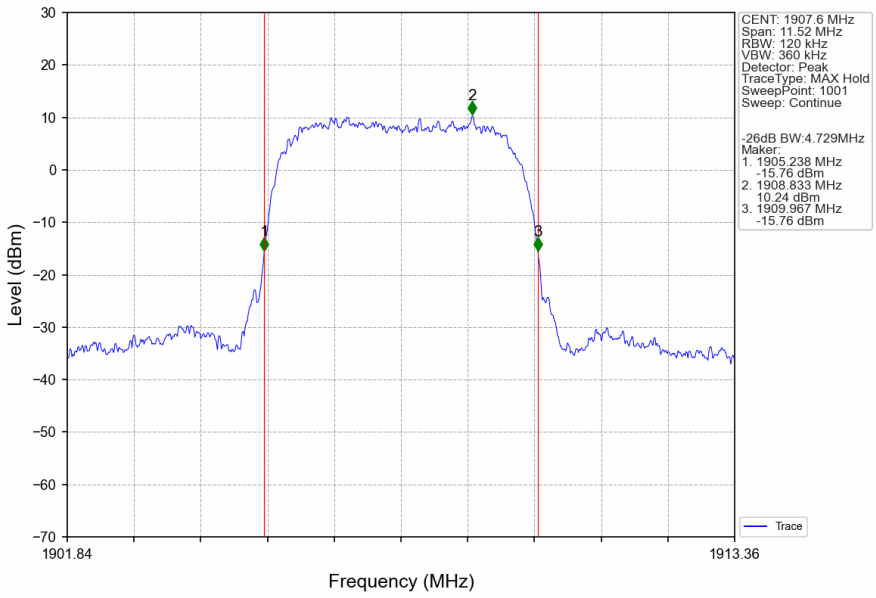
BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



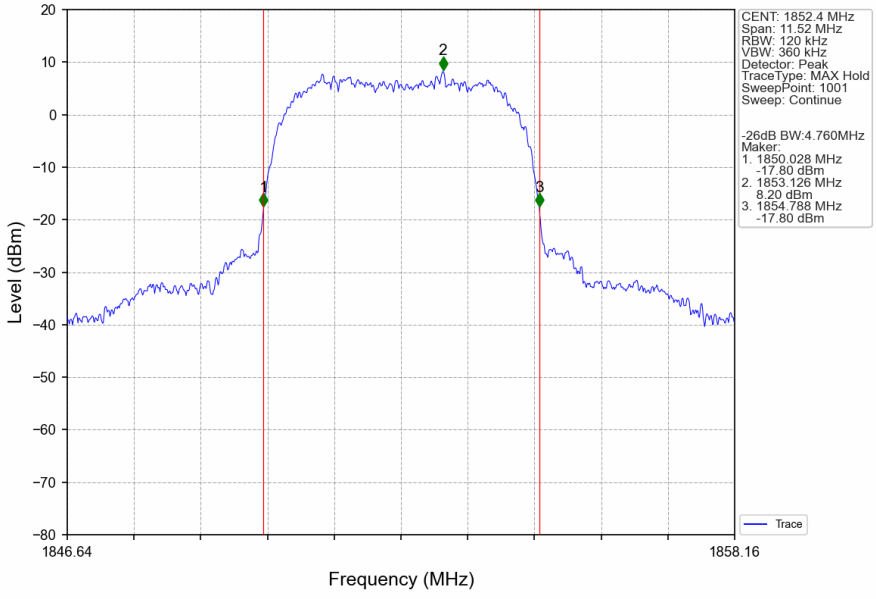
BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



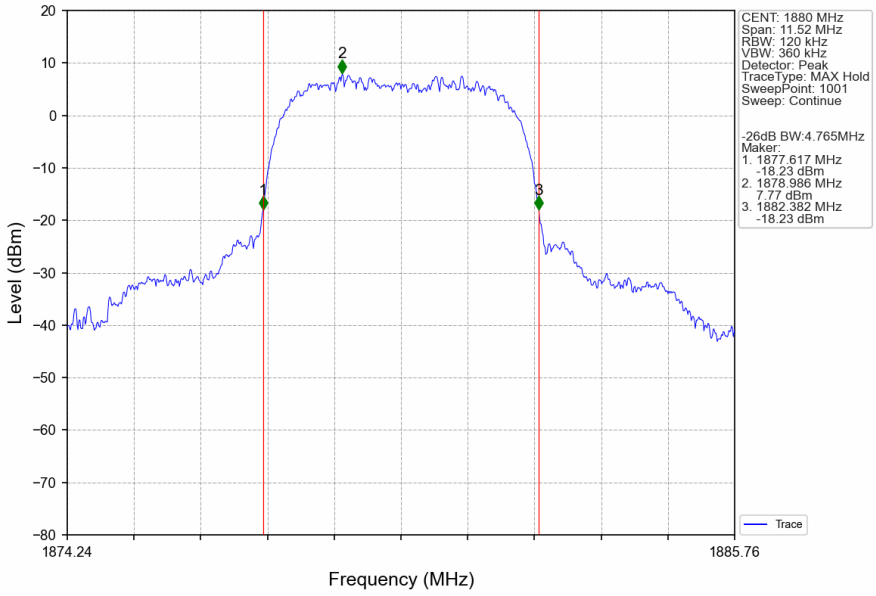
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



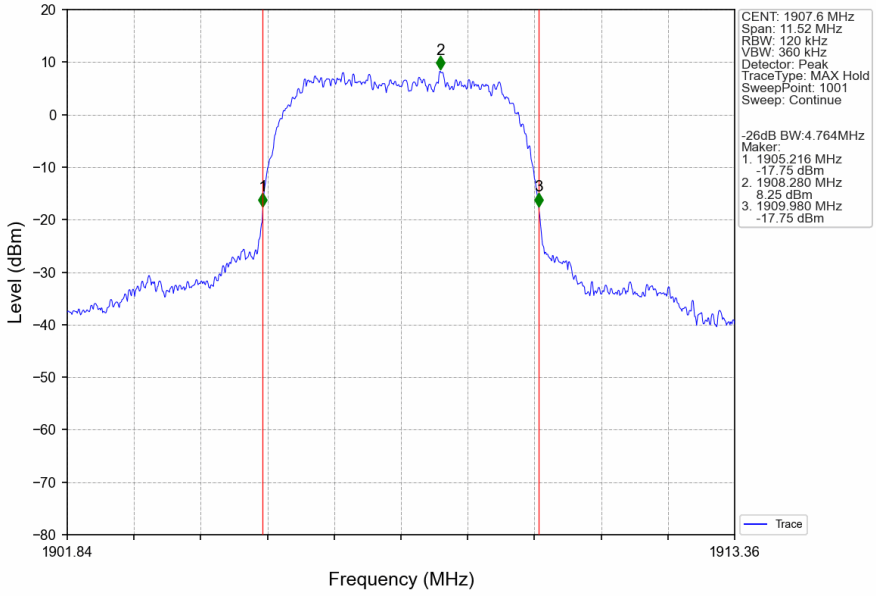
BandII_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



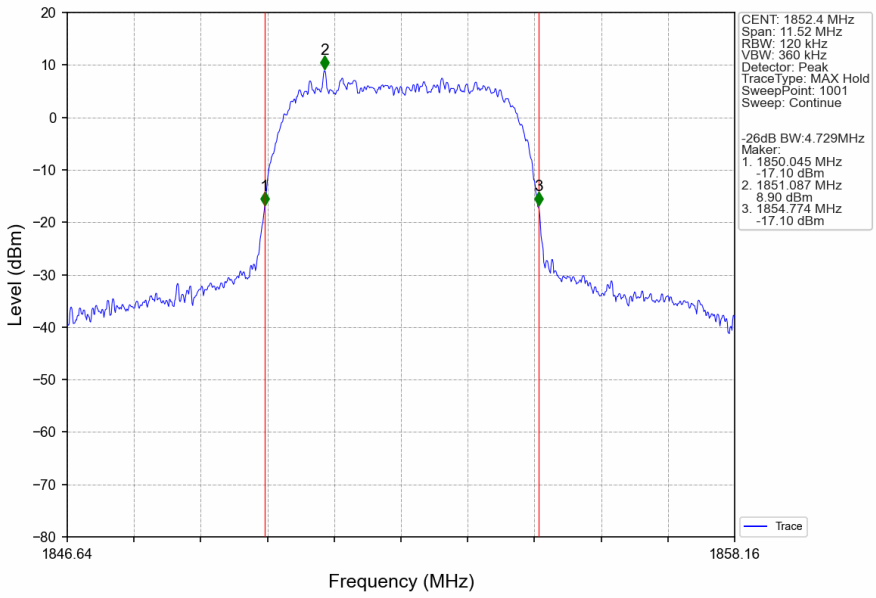
BandII_HSDPA_MCH_1880MHz_Subtest 1_NTNV



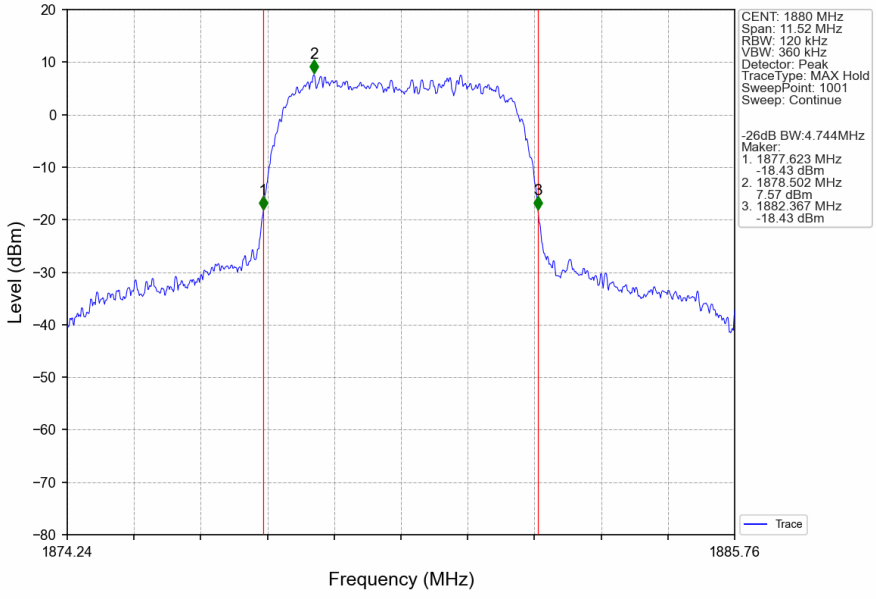
BandII_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



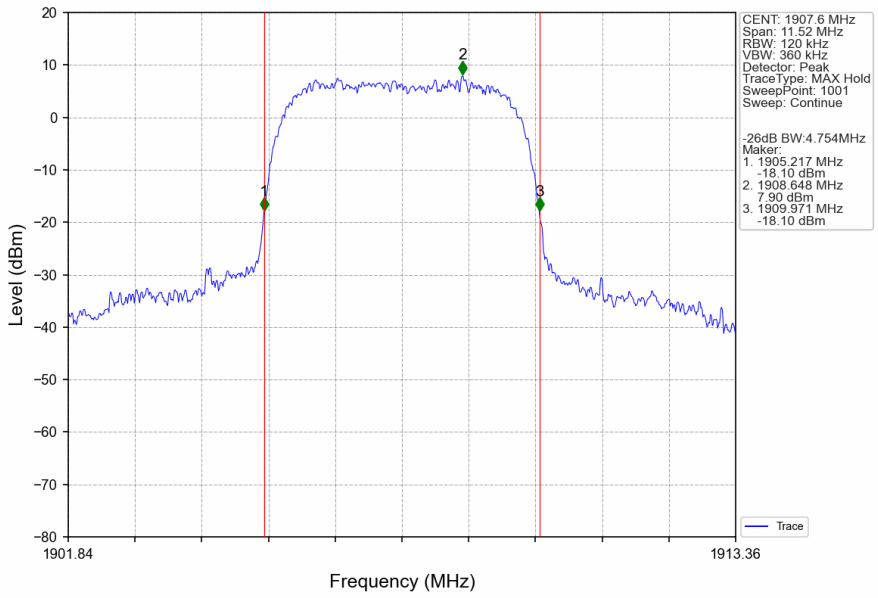
BandII_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



BandII_HSUPA_MCH_1880MHz_Subtest 1_NTNV



BandII_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



4. Peak-Average Ratio

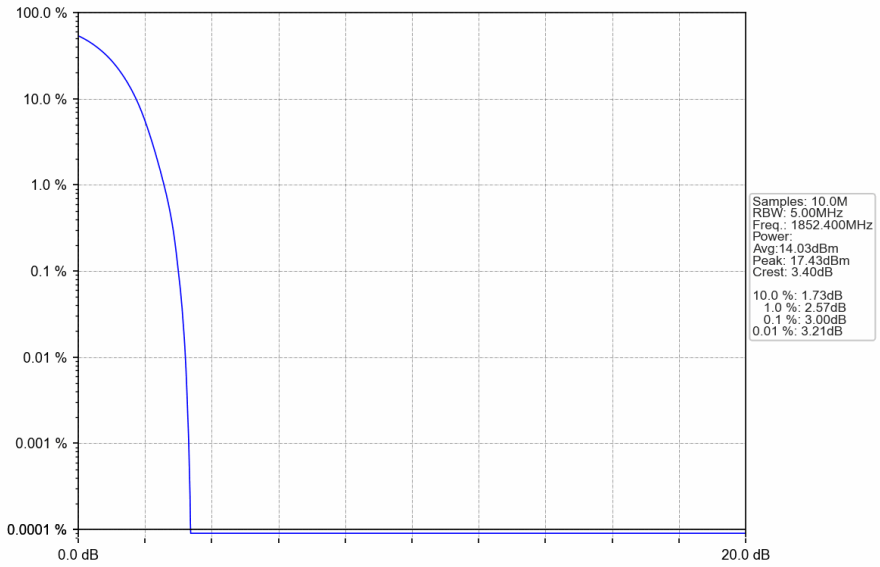
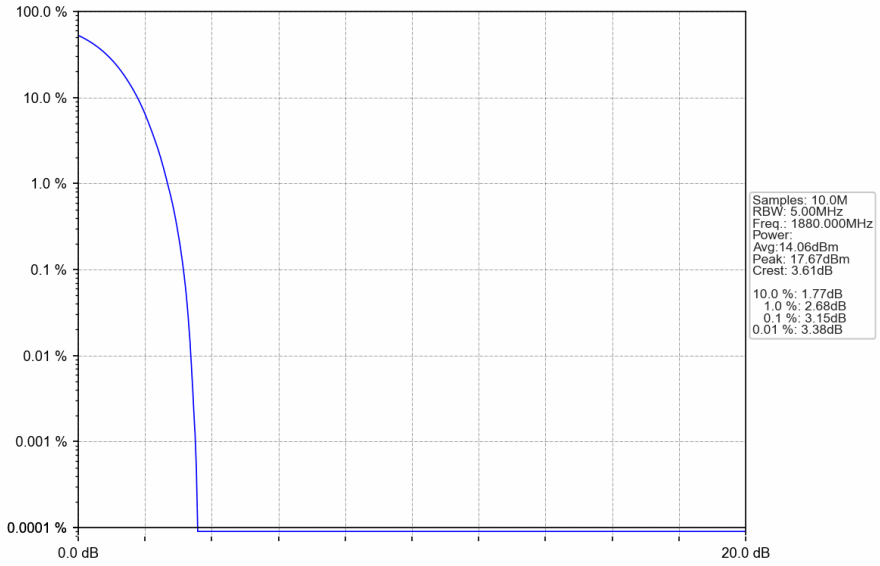
4.1 Test Result

4.1.1 BandII

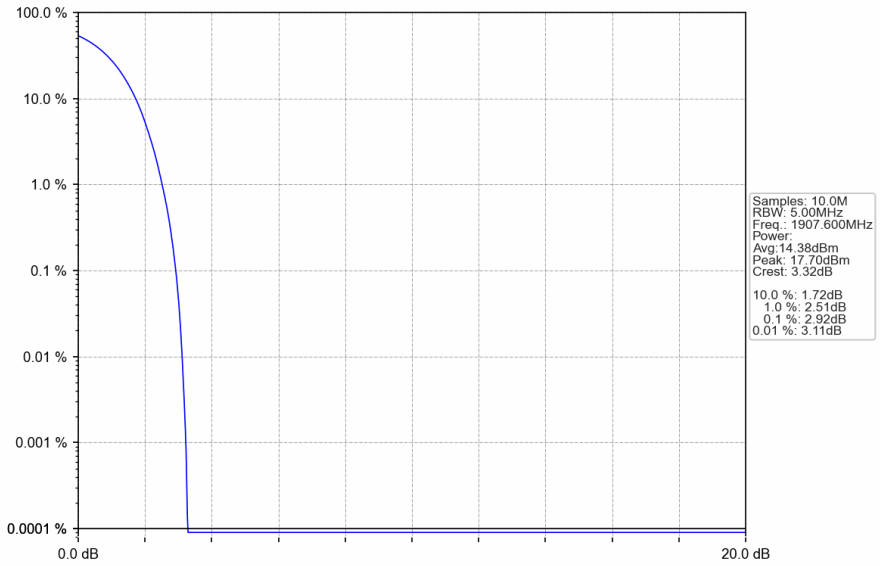
Band: II						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.00	<=13	Pass
			1880	3.15	<=13	Pass
			1907.6	2.92	<=13	Pass
	HSDPA	Subtest 1	1852.4	6.06	<=13	Pass
			1880	6.16	<=13	Pass
			1907.6	6.05	<=13	Pass
	HSUPA	Subtest 1	1852.4	7.01	<=13	Pass
			1880	7.04	<=13	Pass
			1907.6	7.00	<=13	Pass

4.2 Test Graph

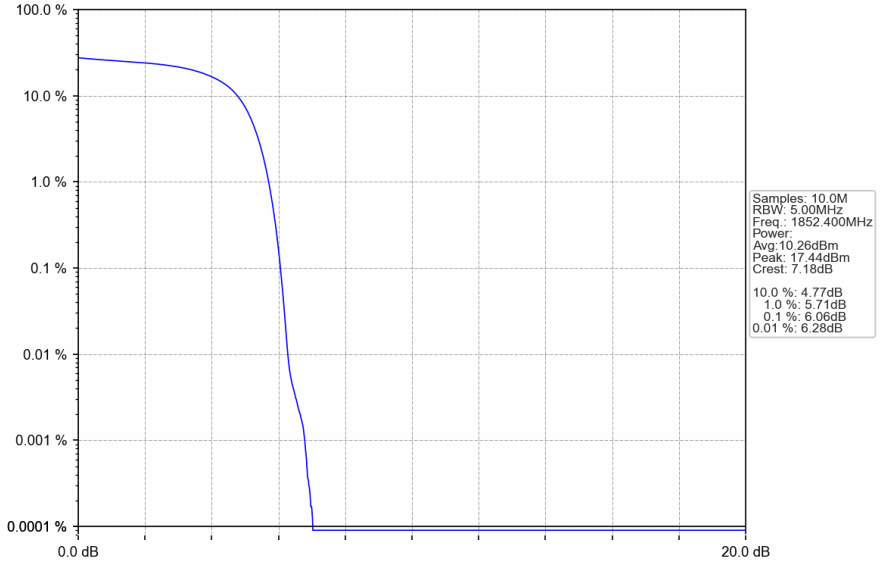
4.2.1 BandII

BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV

BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV


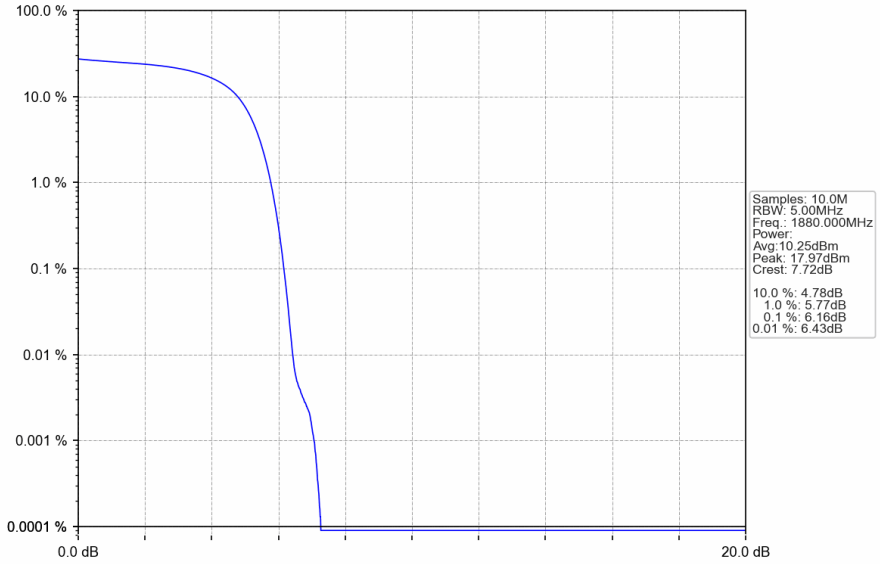
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



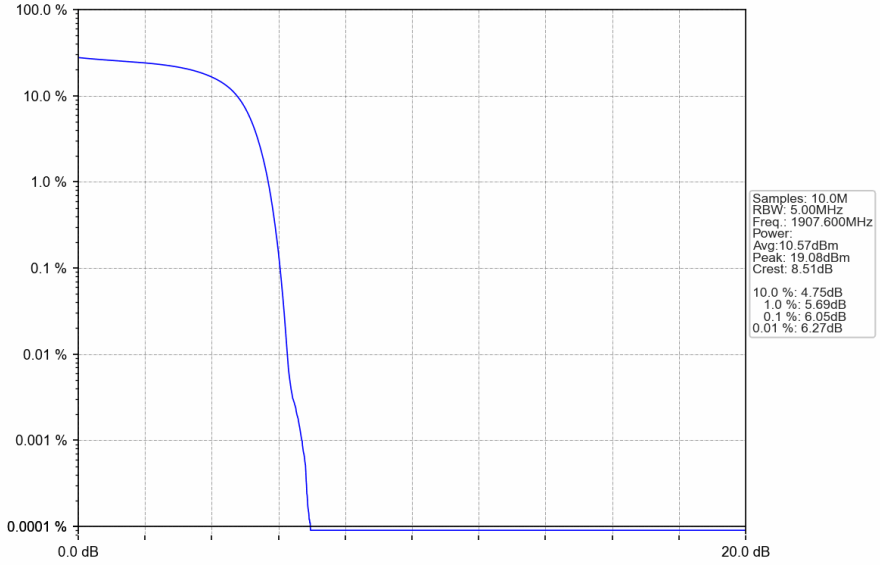
BandII_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



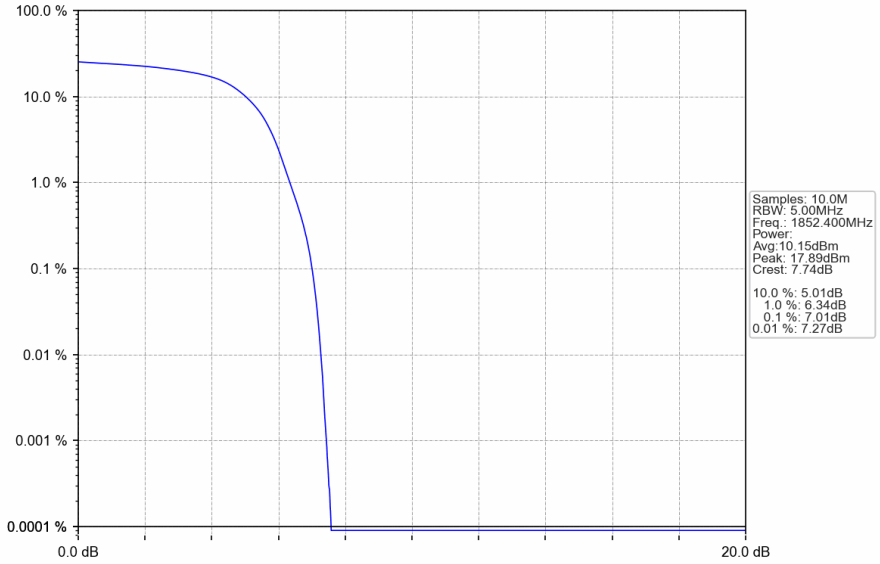
BandII_HSDPA_MCH_1880MHz_Subtest 1_NTNV



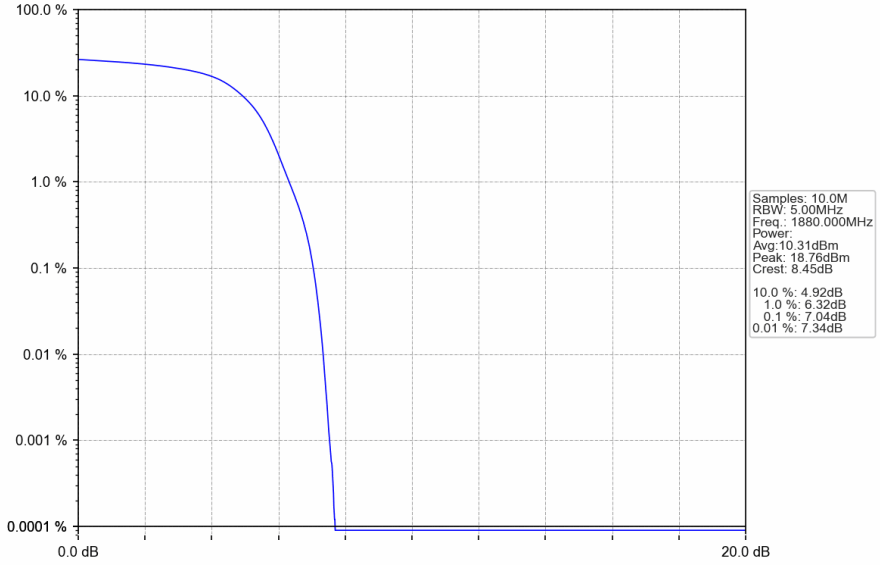
BandII_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



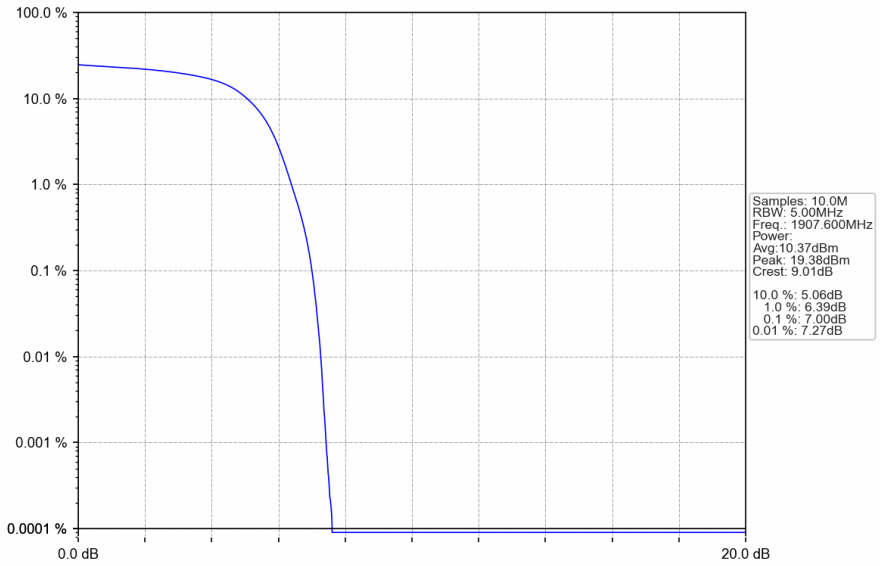
BandII_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



BandII_HSUPA_MCH_1880MHz_Subtest 1_NTNV



BandII_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



5. Spurious Emission

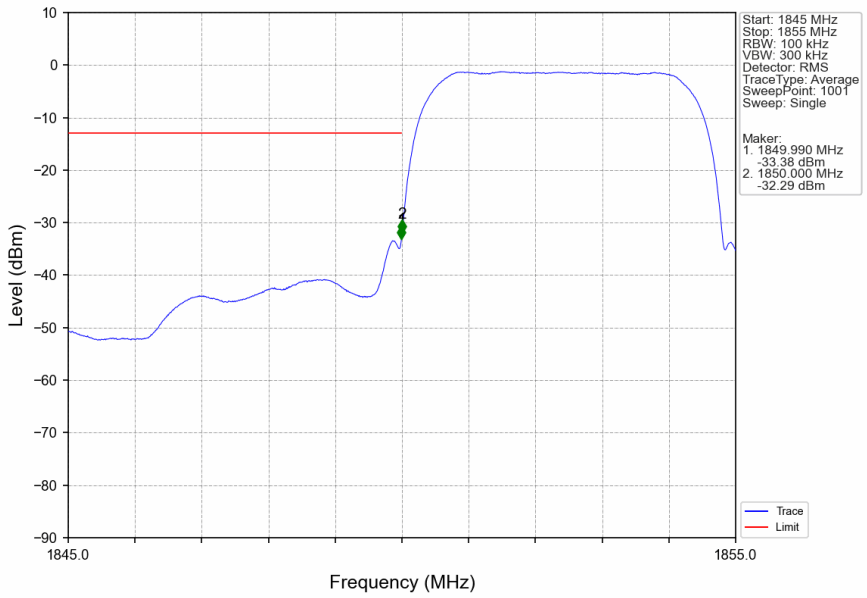
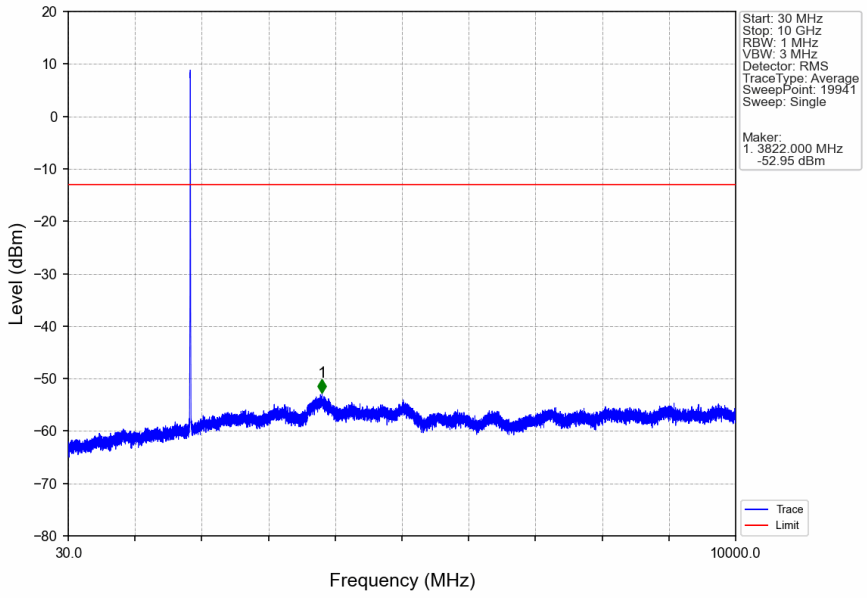
5.1 Test Result

5.1.1 BandII

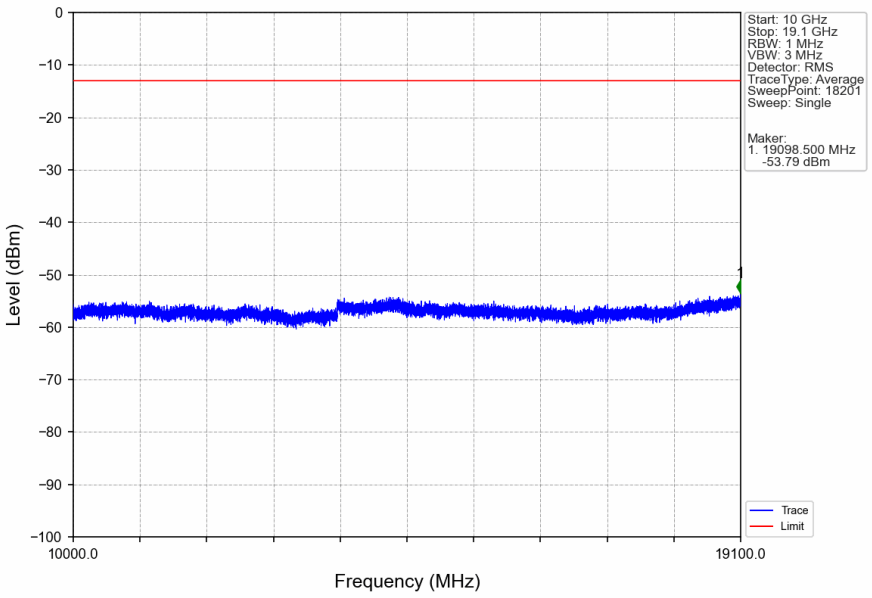
Band: II						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph		Pass
			1907.6	Refer To Test Graph		Pass
	HSDPA	Subtest 1	1852.4	Refer To Test Graph		Pass
			1880	Refer To Test Graph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

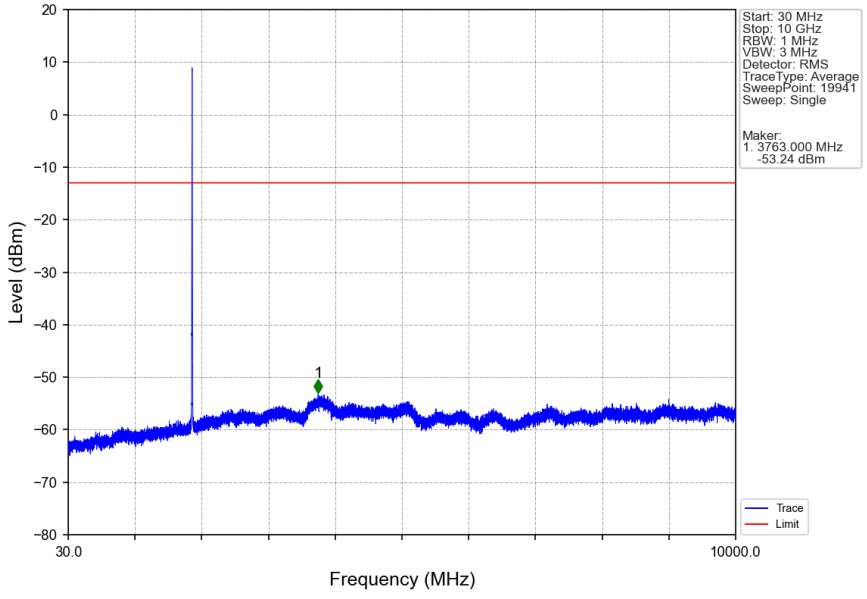
5.2.1 BandII

BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV

BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV


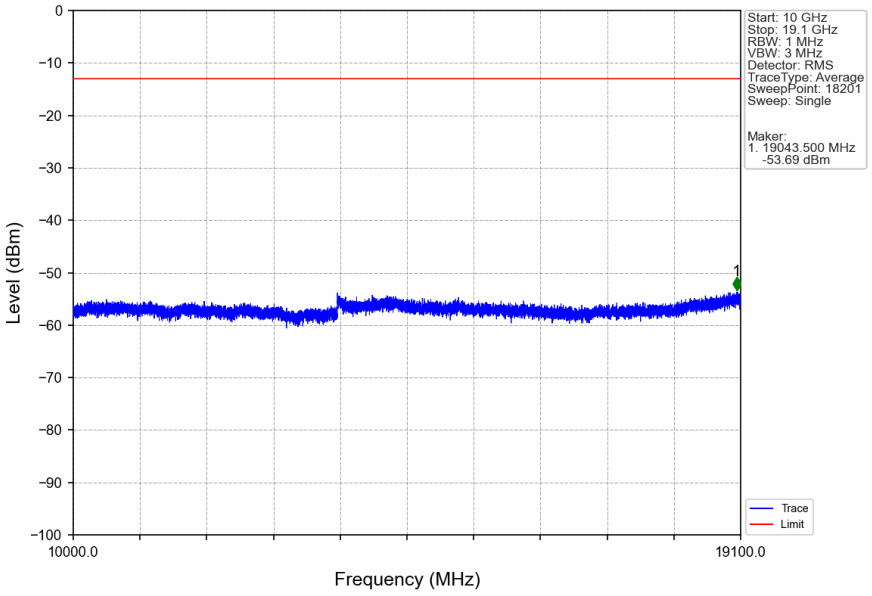
BandII_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



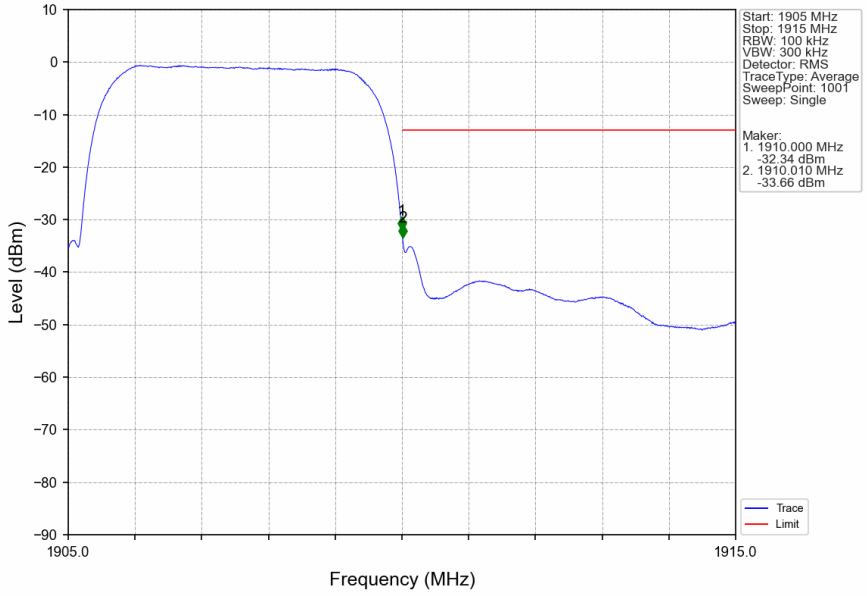
BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



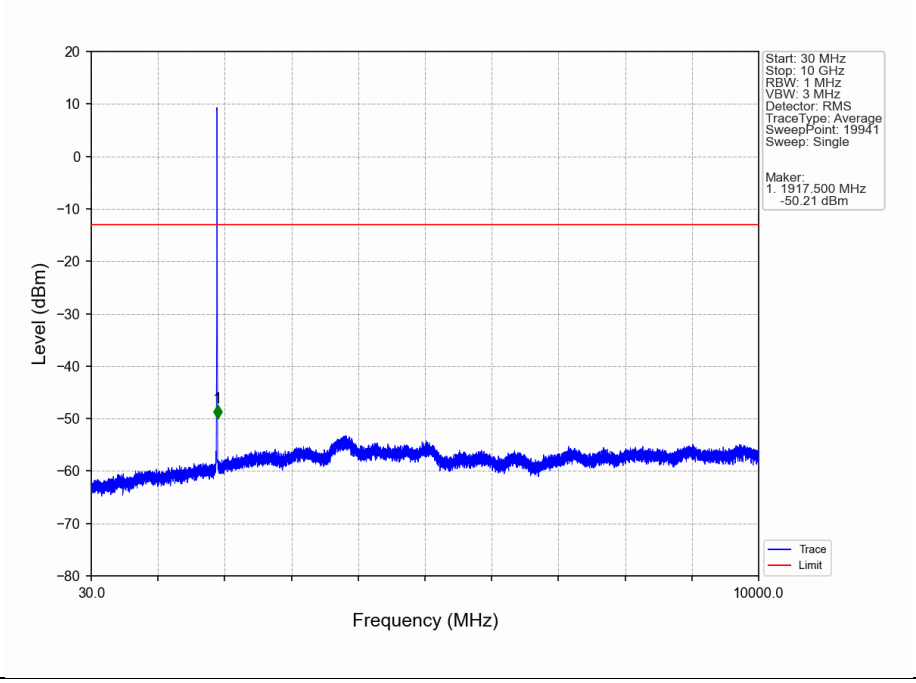
BandII_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



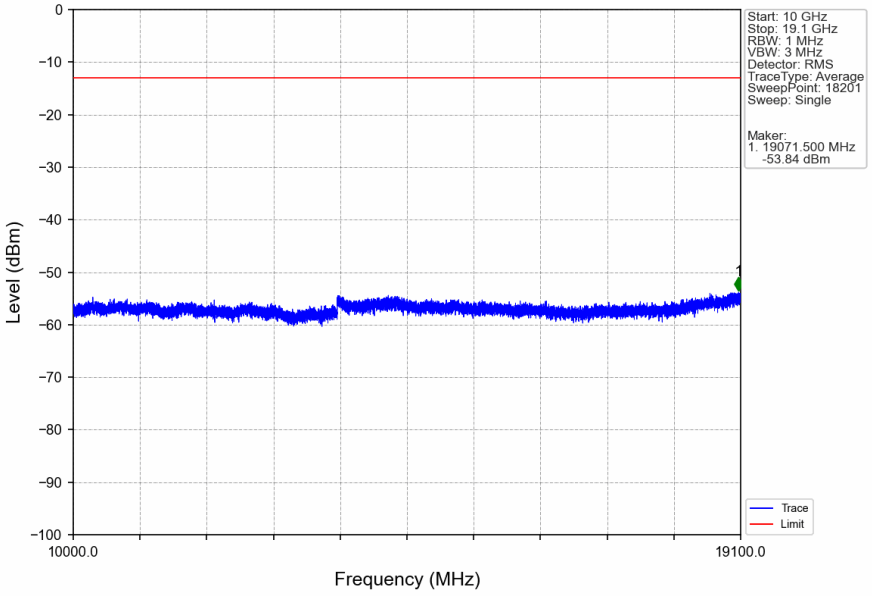
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



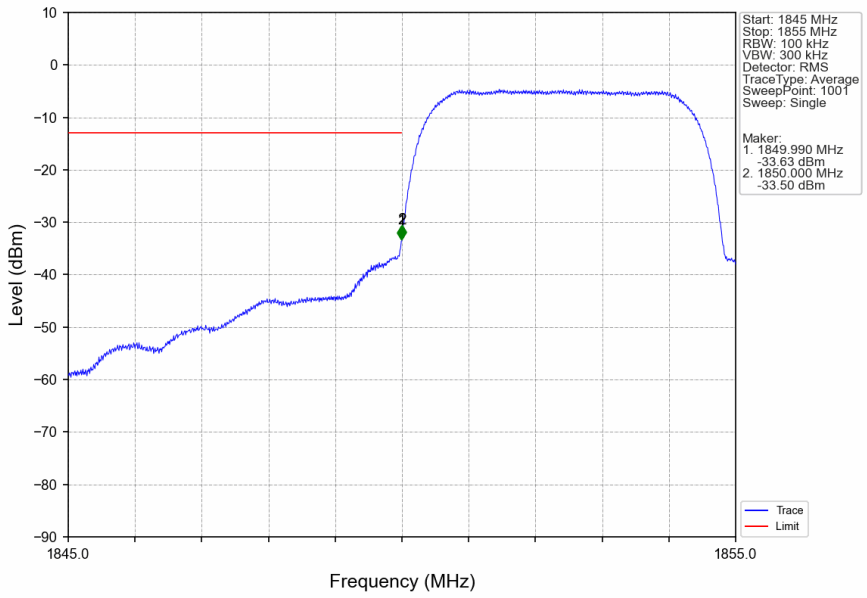
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



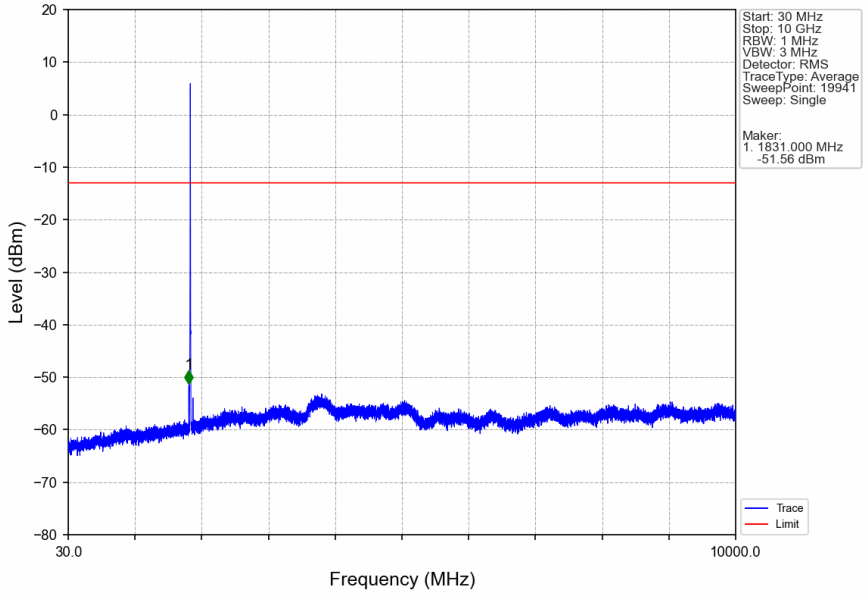
BandII_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



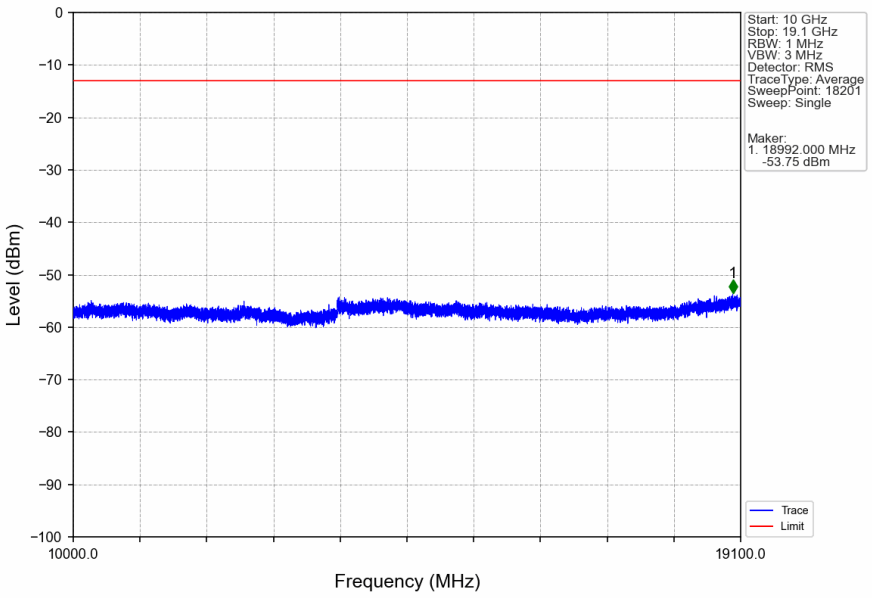
BandII_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



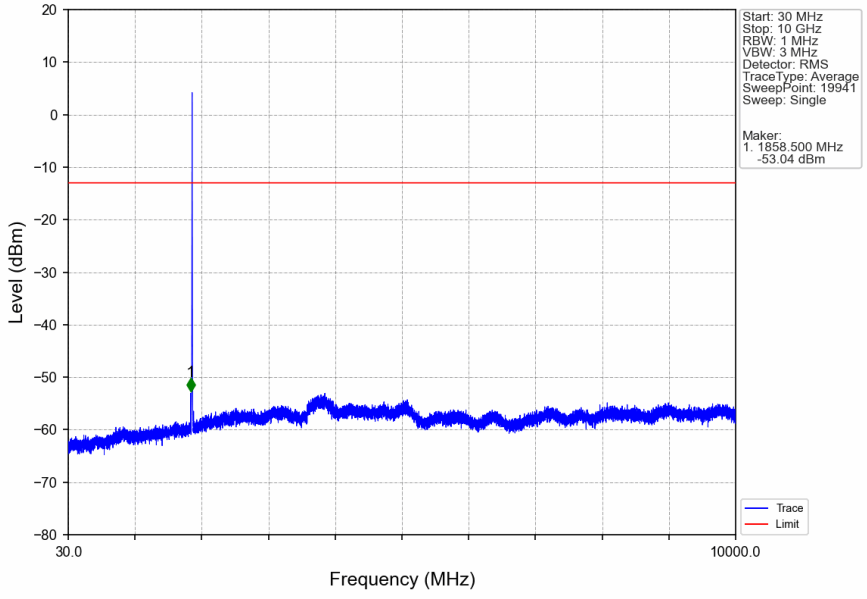
BandII_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



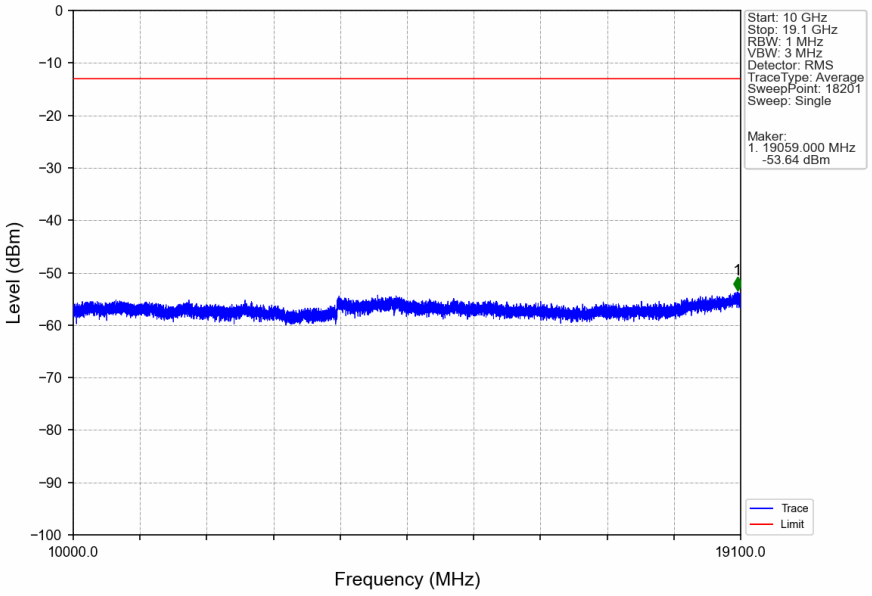
BandII_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



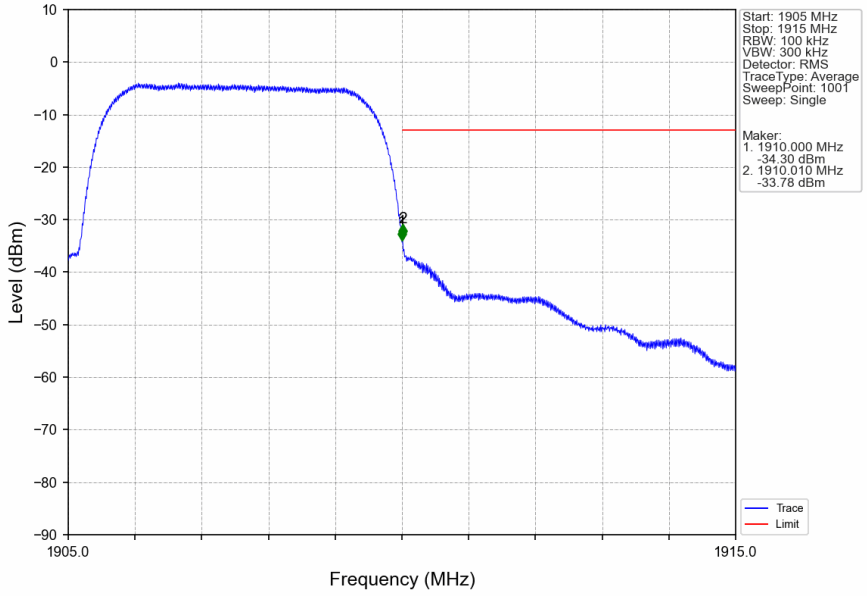
BandII_HSDPA_MCH_1880MHz_Subtest 1_NTNV



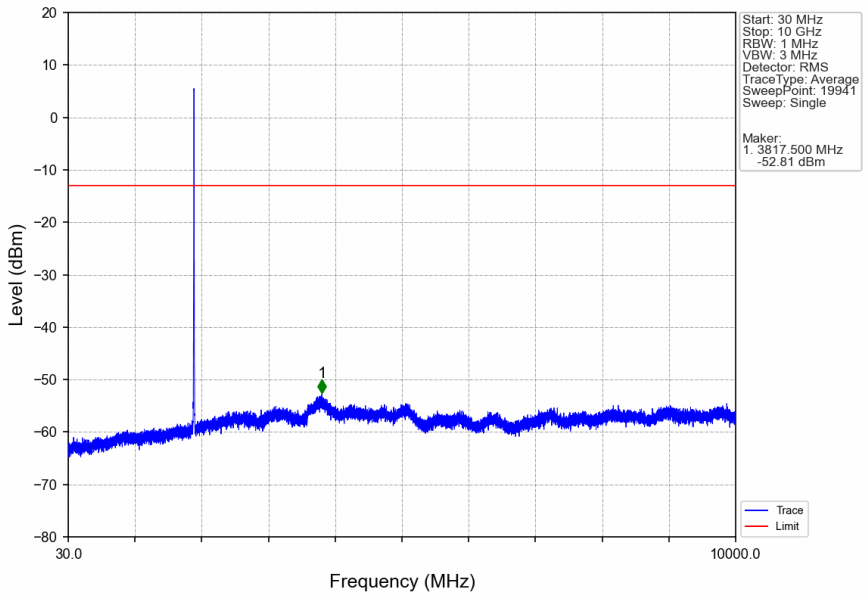
BandII_HSDPA_MCH_1880MHz_Subtest 1_NTNV



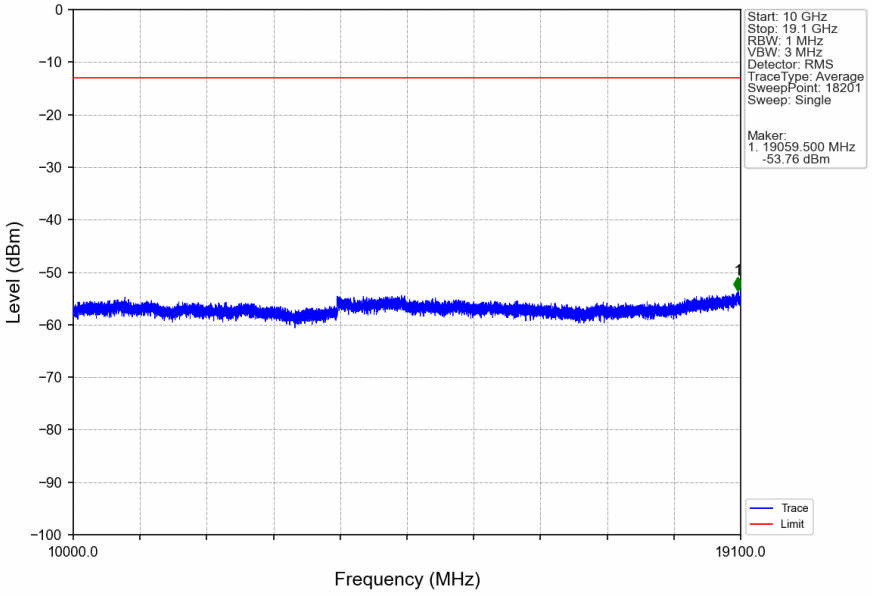
BandII_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



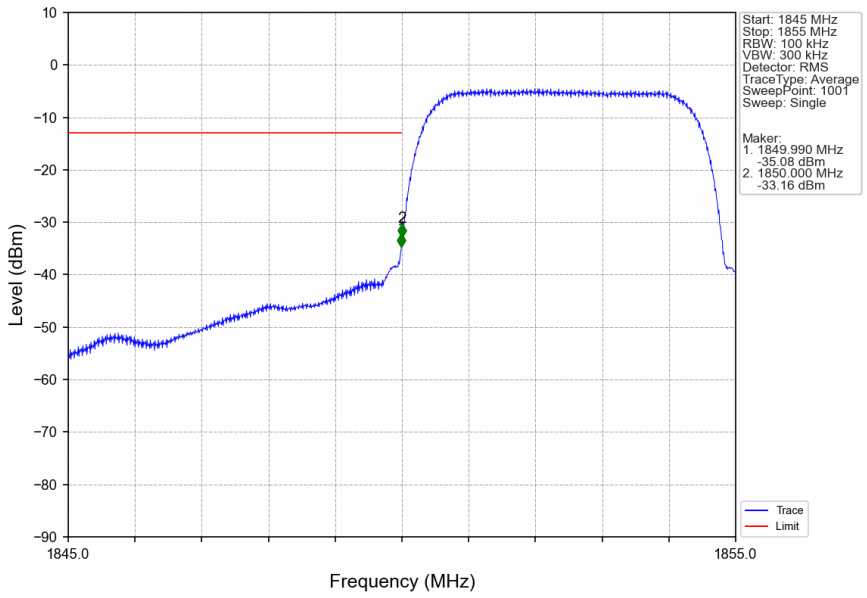
BandII_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



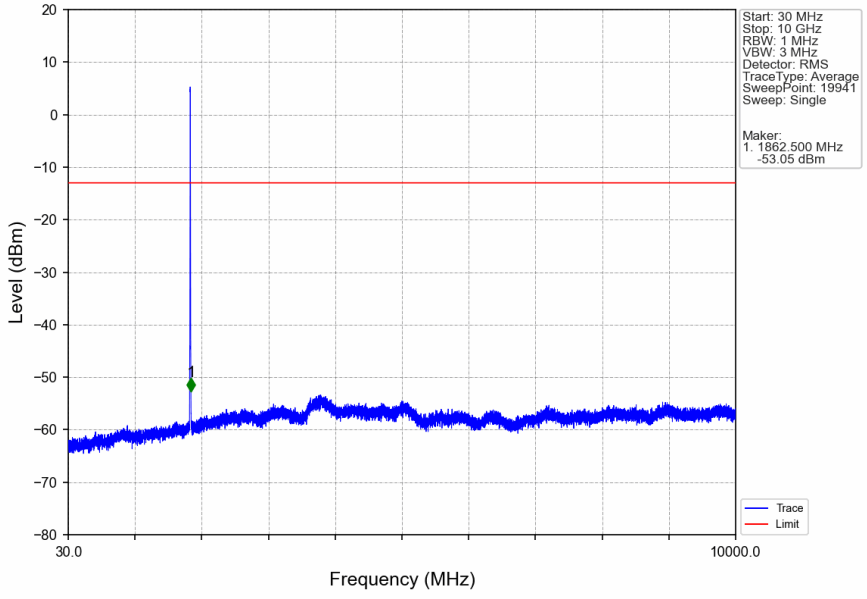
BandII_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



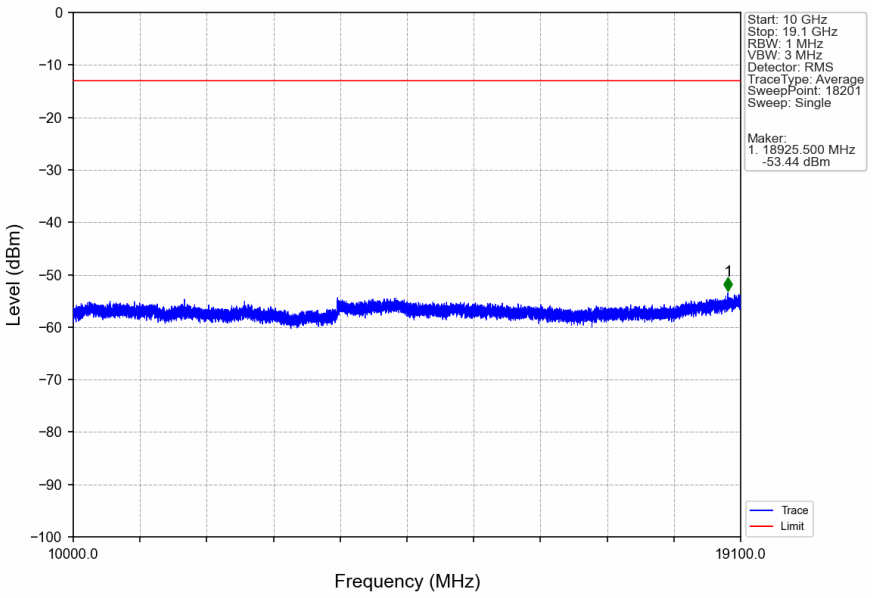
BandII_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



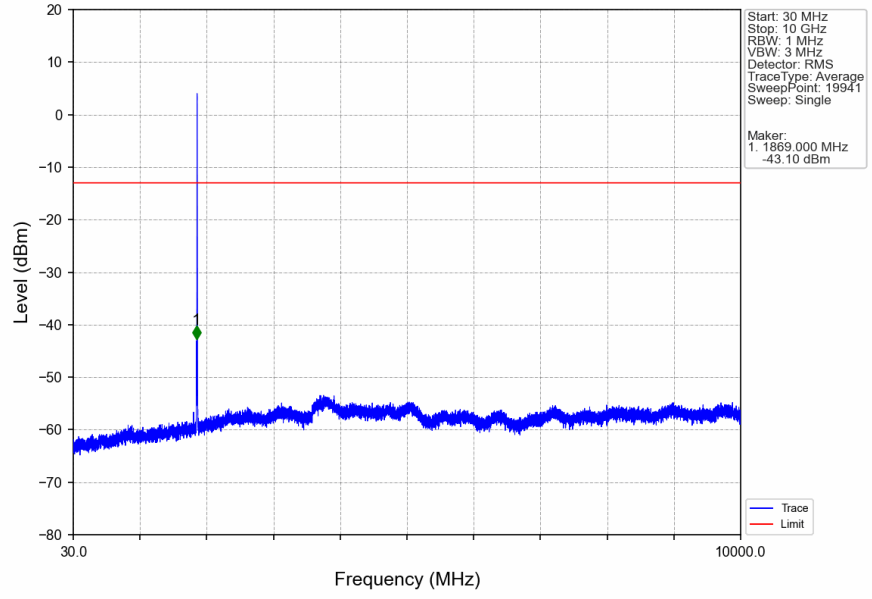
BandII_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



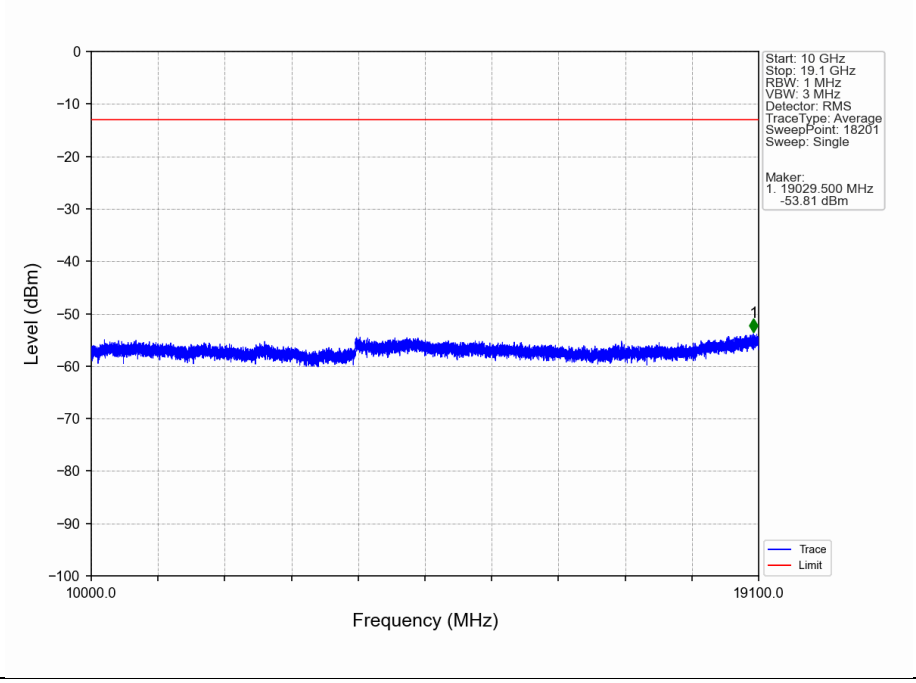
BandII_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



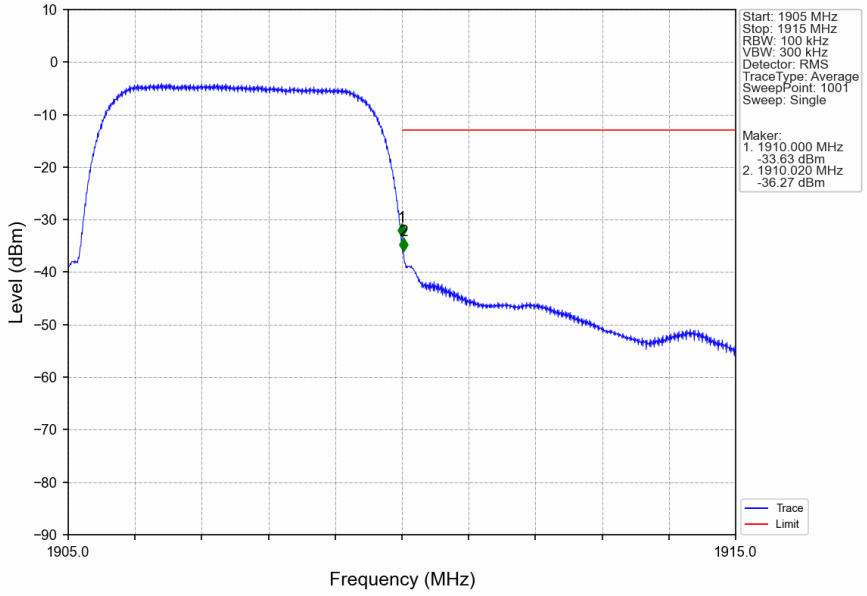
BandII_HSUPA_MCH_1880MHz_Subtest 1_NTNV



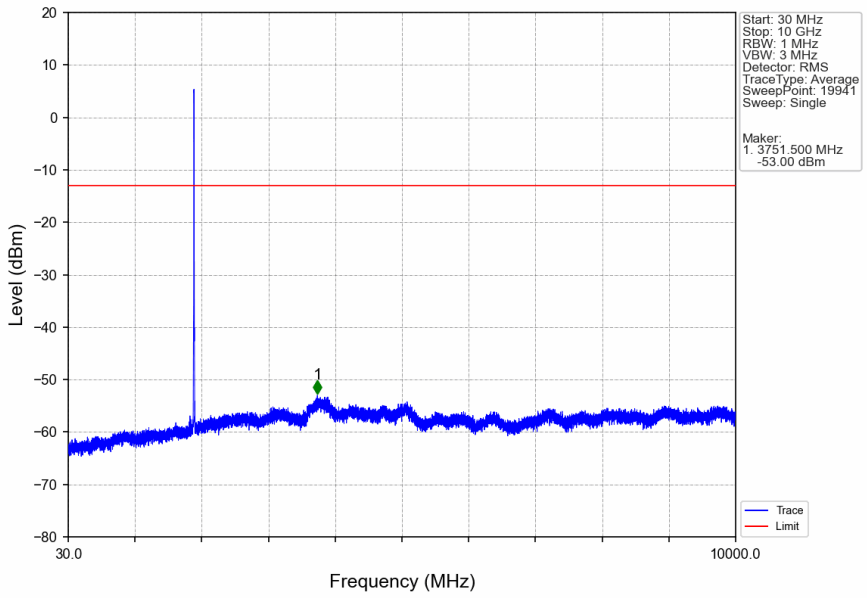
BandII_HSUPA_MCH_1880MHz_Subtest 1_NTNV



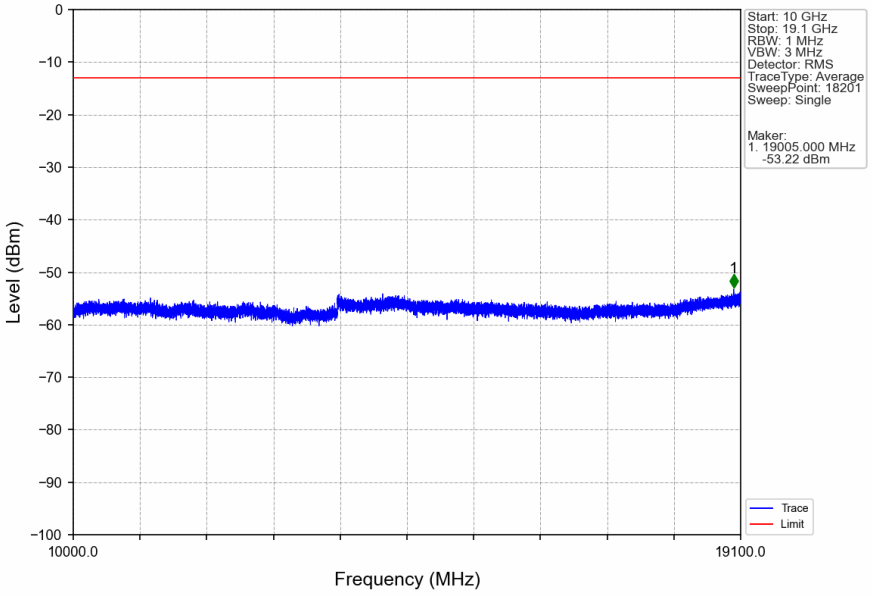
BandII_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



BandII_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



BandII_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



6. Field Strength of Spurious Radiation

WCDMA Band II ANT2-Low channel								
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	-55.47	-13	-42.47	-60.33	3.58	8.44	Horizontal	Pass
5557.2	-55.6	-13	-42.6	-61.31	4.74	10.45	Horizontal	Pass
7409.6	-55.72	-13	-42.72	-62.41	4.94	11.63	Horizontal	Pass
3704.8	-52.03	-13	-39.03	-56.89	3.58	8.44	Vertical	Pass
5557.2	-54.67	-13	-41.67	-60.38	4.74	10.45	Vertical	Pass
7409.6	-48.61	-13	-35.61	-55.3	4.94	11.63	Vertical	Pass

WCDMA Band II ANT2-Middle channel								
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	-53.5	-13	-40.5	-58.39	3.63	8.52	Horizontal	Pass
5640.0	-54.21	-13	-41.21	-59.91	4.75	10.45	Horizontal	Pass
7520.0	-57.1	-13	-44.1	-63.92	4.94	11.76	Horizontal	Pass
3760.0	-51.6	-13	-38.6	-56.49	3.63	8.52	Vertical	Pass
5640.0	-52.53	-13	-39.53	-58.23	4.75	10.45	Vertical	Pass
7520.0	-51.72	-13	-38.72	-58.54	4.94	11.76	Vertical	Pass

WCDMA Band II ANT2-High channel								
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	-51.9	-13	-38.9	-56.81	3.68	8.59	Horizontal	Pass
5722.8	-54.26	-13	-41.26	-59.95	4.76	10.45	Horizontal	Pass
7630.4	-56.73	-13	-43.73	-63.67	4.95	11.89	Horizontal	Pass
3815.2	-50.19	-13	-37.19	-55.1	3.68	8.59	Vertical	Pass
5722.8	-51.1	-13	-38.1	-56.79	4.76	10.45	Vertical	Pass
7630.4	-49.43	-13	-36.43	-56.37	4.95	11.89	Vertical	Pass