

**Appendix A.3****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	23.22	1.00	24.22	<=33.01	Pass
			1880	23.06	1.00	24.06	<=33.01	Pass
			1907.6	23.28	1.00	24.28	<=33.01	Pass
	HSDPA	Subtest 1	1852.4	21.32	1.00	22.32	<=33.01	Pass
		Subtest 2	1852.4	21.44	1.00	22.44	<=33.01	Pass
		Subtest 3	1852.4	21.44	1.00	22.44	<=33.01	Pass
		Subtest 4	1852.4	21.39	1.00	22.39	<=33.01	Pass
		Subtest 1	1880	21.19	1.00	22.19	<=33.01	Pass
		Subtest 2	1880	21.22	1.00	22.22	<=33.01	Pass
		Subtest 3	1880	21.20	1.00	22.20	<=33.01	Pass
		Subtest 4	1880	21.18	1.00	22.18	<=33.01	Pass
		Subtest 1	1907.6	21.72	1.00	22.72	<=33.01	Pass
		Subtest 2	1907.6	21.60	1.00	22.60	<=33.01	Pass
		Subtest 3	1907.6	21.67	1.00	22.67	<=33.01	Pass
		Subtest 4	1907.6	21.62	1.00	22.62	<=33.01	Pass
	HSUPA	Subtest 1	1852.4	19.34	1.00	20.34	<=33.01	Pass
		Subtest 2	1852.4	19.42	1.00	20.42	<=33.01	Pass
		Subtest 3	1852.4	19.93	1.00	20.93	<=33.01	Pass
		Subtest 4	1852.4	18.67	1.00	19.67	<=33.01	Pass
		Subtest 5	1852.4	18.51	1.00	19.51	<=33.01	Pass
		Subtest 1	1880	19.00	1.00	20.00	<=33.01	Pass
		Subtest 2	1880	19.77	1.00	20.77	<=33.01	Pass
		Subtest 3	1880	19.76	1.00	20.76	<=33.01	Pass
		Subtest 4	1880	18.31	1.00	19.31	<=33.01	Pass
		Subtest 5	1880	18.77	1.00	19.77	<=33.01	Pass
		Subtest 1	1907.6	19.42	1.00	20.42	<=33.01	Pass
		Subtest 2	1907.6	19.71	1.00	20.71	<=33.01	Pass
		Subtest 3	1907.6	20.16	1.00	21.16	<=33.01	Pass
		Subtest 4	1907.6	19.14	1.00	20.14	<=33.01	Pass
		Subtest 5	1907.6	18.87	1.00	19.87	<=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	LV	-1.667	-0.0009	-2.5 to 2.5	Pass
			NV	-1.709	-0.0009	-2.5 to 2.5	Pass
			HV	0.136	0.0001	-2.5 to 2.5	Pass
		-30	NV	-0.887	-0.0005	-2.5 to 2.5	Pass
		-20	NV	-1.152	-0.0006	-2.5 to 2.5	Pass
		-10	NV	-1.209	-0.0007	-2.5 to 2.5	Pass
		0	NV	-1.130	-0.0006	-2.5 to 2.5	Pass
		10	NV	-0.722	-0.0004	-2.5 to 2.5	Pass
		30	NV	-0.973	-0.0005	-2.5 to 2.5	Pass
		40	NV	-1.774	-0.0010	-2.5 to 2.5	Pass
		50	NV	-0.486	-0.0003	-2.5 to 2.5	Pass
	1880	20	LV	-0.622	-0.0003	-2.5 to 2.5	Pass
			NV	-0.408	-0.0002	-2.5 to 2.5	Pass
			HV	-0.987	-0.0005	-2.5 to 2.5	Pass
		-30	NV	-0.594	-0.0003	-2.5 to 2.5	Pass
		-20	NV	-0.780	-0.0004	-2.5 to 2.5	Pass
		-10	NV	0.072	0.0000	-2.5 to 2.5	Pass
		0	NV	-0.622	-0.0003	-2.5 to 2.5	Pass
		10	NV	-0.100	-0.0001	-2.5 to 2.5	Pass
		30	NV	-0.544	-0.0003	-2.5 to 2.5	Pass
		40	NV	-0.772	-0.0004	-2.5 to 2.5	Pass
		50	NV	-0.122	-0.0001	-2.5 to 2.5	Pass
	1907.6	20	LV	-0.858	-0.0004	-2.5 to 2.5	Pass
			NV	-0.021	0.0000	-2.5 to 2.5	Pass
			HV	-1.116	-0.0006	-2.5 to 2.5	Pass
		-30	NV	-0.637	-0.0003	-2.5 to 2.5	Pass
		-20	NV	-0.780	-0.0004	-2.5 to 2.5	Pass
		-10	NV	0.157	0.0001	-2.5 to 2.5	Pass
		0	NV	-0.844	-0.0004	-2.5 to 2.5	Pass
		10	NV	-0.865	-0.0005	-2.5 to 2.5	Pass
		30	NV	-0.672	-0.0004	-2.5 to 2.5	Pass
		40	NV	-0.458	-0.0002	-2.5 to 2.5	Pass
HSDPA	1852.4	20	LV	-2.804	-0.0015	-2.5 to 2.5	Pass
			NV	-3.719	-0.0020	-2.5 to 2.5	Pass
			HV	-4.356	-0.0024	-2.5 to 2.5	Pass
		-30	NV	-4.699	-0.0025	-2.5 to 2.5	Pass
		-20	NV	-3.877	-0.0021	-2.5 to 2.5	Pass
		-10	NV	-3.705	-0.0020	-2.5 to 2.5	Pass
		0	NV	-2.725	-0.0015	-2.5 to 2.5	Pass
		10	NV	-3.033	-0.0016	-2.5 to 2.5	Pass
		30	NV	-3.133	-0.0017	-2.5 to 2.5	Pass
		40	NV	-2.389	-0.0013	-2.5 to 2.5	Pass
		50	NV	-3.204	-0.0017	-2.5 to 2.5	Pass
	1880	20	LV	-0.222	-0.0001	-2.5 to 2.5	Pass
			NV	-1.152	-0.0006	-2.5 to 2.5	Pass
			HV	-0.529	-0.0003	-2.5 to 2.5	Pass
		-30	NV	-0.587	-0.0003	-2.5 to 2.5	Pass
		-20	NV	-0.429	-0.0002	-2.5 to 2.5	Pass
		-10	NV	0.222	0.0001	-2.5 to 2.5	Pass

		0	NV	-1.574	-0.0008	-2.5 to 2.5	Pass
		10	NV	0.093	0.0000	-2.5 to 2.5	Pass
		30	NV	-0.787	-0.0004	-2.5 to 2.5	Pass
		40	NV	-1.466	-0.0008	-2.5 to 2.5	Pass
		50	NV	-1.116	-0.0006	-2.5 to 2.5	Pass
	1907.6	20	LV	-2.611	-0.0014	-2.5 to 2.5	Pass
			NV	-2.239	-0.0012	-2.5 to 2.5	Pass
			HV	-2.589	-0.0014	-2.5 to 2.5	Pass
		-30	NV	-1.531	-0.0008	-2.5 to 2.5	Pass
		-20	NV	-3.126	-0.0016	-2.5 to 2.5	Pass
		-10	NV	-1.423	-0.0007	-2.5 to 2.5	Pass
		0	NV	-2.804	-0.0015	-2.5 to 2.5	Pass
		10	NV	-1.774	-0.0009	-2.5 to 2.5	Pass
		30	NV	-2.010	-0.0011	-2.5 to 2.5	Pass
		40	NV	-1.688	-0.0009	-2.5 to 2.5	Pass
		50	NV	-2.797	-0.0015	-2.5 to 2.5	Pass
	1852.4	20	LV	-2.017	-0.0011	-2.5 to 2.5	Pass
			NV	-0.036	0.0000	-2.5 to 2.5	Pass
			HV	-0.308	-0.0002	-2.5 to 2.5	Pass
		-30	NV	0.007	0.0000	-2.5 to 2.5	Pass
		-20	NV	1.101	0.0006	-2.5 to 2.5	Pass
		-10	NV	0.064	0.0000	-2.5 to 2.5	Pass
		0	NV	-1.523	-0.0008	-2.5 to 2.5	Pass
		10	NV	0.007	0.0000	-2.5 to 2.5	Pass
		30	NV	0.286	0.0002	-2.5 to 2.5	Pass
		40	NV	-0.472	-0.0003	-2.5 to 2.5	Pass
		50	NV	-0.951	-0.0005	-2.5 to 2.5	Pass
	1880	20	LV	-4.613	-0.0025	-2.5 to 2.5	Pass
			NV	-2.618	-0.0014	-2.5 to 2.5	Pass
			HV	-1.817	-0.0010	-2.5 to 2.5	Pass
		-30	NV	-1.903	-0.0010	-2.5 to 2.5	Pass
		-20	NV	-1.094	-0.0006	-2.5 to 2.5	Pass
		-10	NV	-1.745	-0.0009	-2.5 to 2.5	Pass
		0	NV	-0.758	-0.0004	-2.5 to 2.5	Pass
		10	NV	-1.545	-0.0008	-2.5 to 2.5	Pass
		30	NV	-2.811	-0.0015	-2.5 to 2.5	Pass
		40	NV	-1.938	-0.0010	-2.5 to 2.5	Pass
		50	NV	-1.838	-0.0010	-2.5 to 2.5	Pass
	1907.6	20	LV	-0.057	0.0000	-2.5 to 2.5	Pass
			NV	0.572	0.0003	-2.5 to 2.5	Pass
			HV	0.257	0.0001	-2.5 to 2.5	Pass
		-30	NV	1.395	0.0007	-2.5 to 2.5	Pass
		-20	NV	0.937	0.0005	-2.5 to 2.5	Pass
		-10	NV	0.594	0.0003	-2.5 to 2.5	Pass
		0	NV	1.116	0.0006	-2.5 to 2.5	Pass
		10	NV	0.679	0.0004	-2.5 to 2.5	Pass
		30	NV	0.622	0.0003	-2.5 to 2.5	Pass
		40	NV	0.637	0.0003	-2.5 to 2.5	Pass
		50	NV	0.944	0.0005	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth



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3.1 Test Result

3.1.1 Band2_OBW

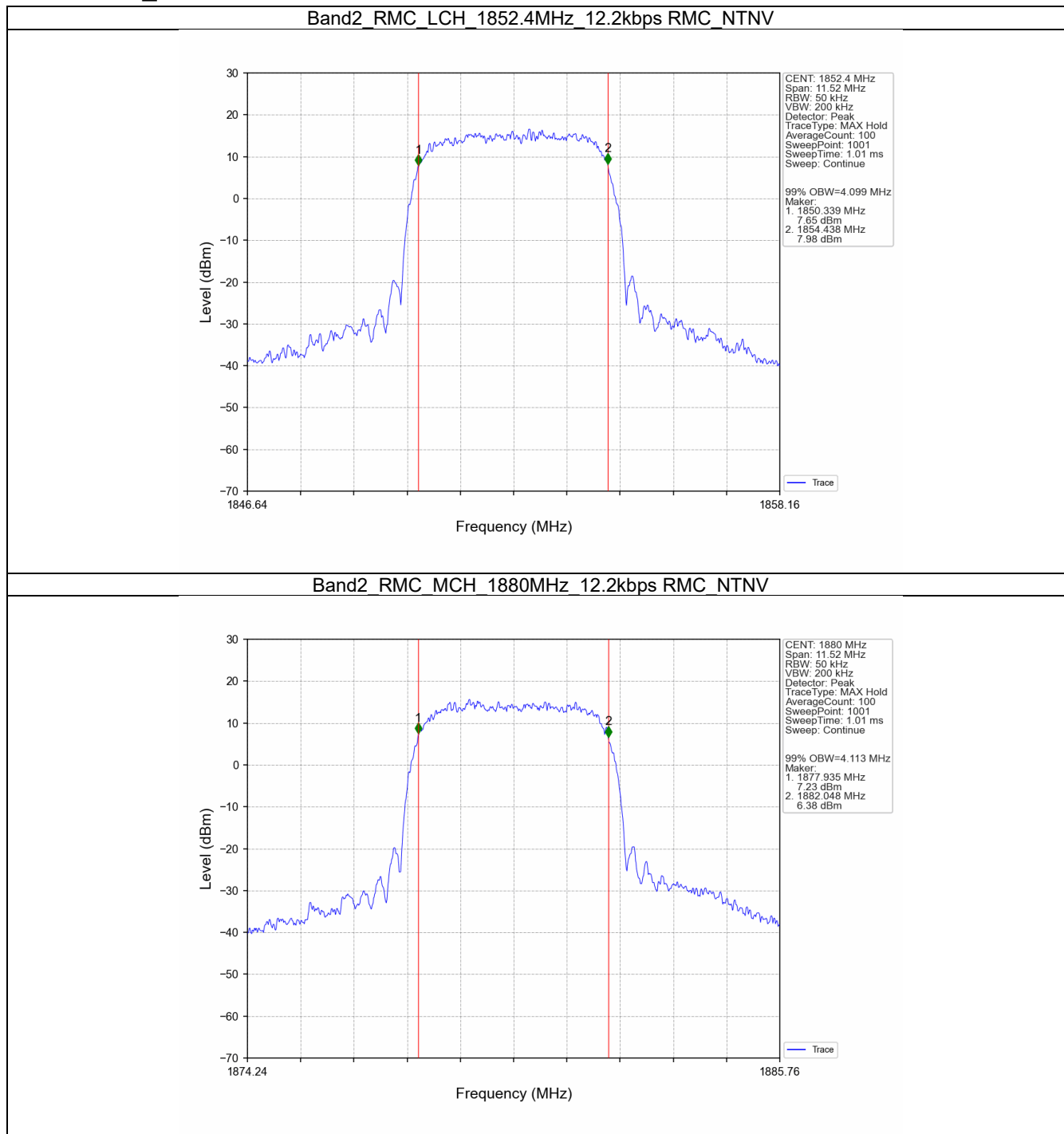
Band: 2						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.099	/	Pass
			1880	4.113	/	Pass
			1907.6	4.109	/	Pass
	HSDPA	Subtest 1	1852.4	4.123	/	Pass
			1880	4.115	/	Pass
			1907.6	4.119	/	Pass
	HSUPA	Subtest 1	1852.4	4.103	/	Pass
			1880	4.123	/	Pass
			1907.6	4.122	/	Pass

3.1.2 Band2_XDB

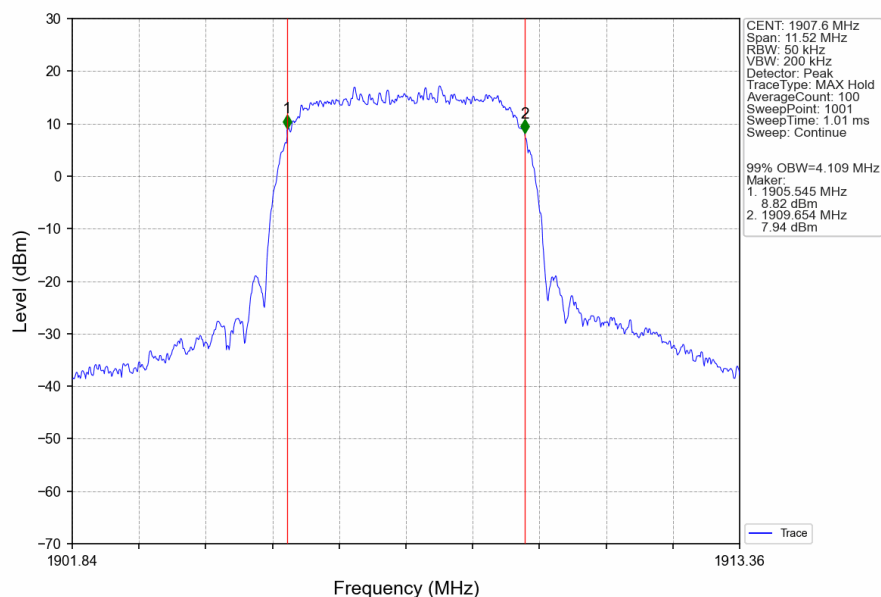
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ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	4.701	/	Pass
			1880	4.698	/	Pass
			1907.6	4.695	/	Pass
	HSDPA	Subtest 1	1852.4	4.696	/	Pass
			1880	4.721	/	Pass
			1907.6	4.707	/	Pass
	HSUPA	Subtest 1	1852.4	4.688	/	Pass
			1880	4.697	/	Pass
			1907.6	4.686	/	Pass

3.2 Test Graph

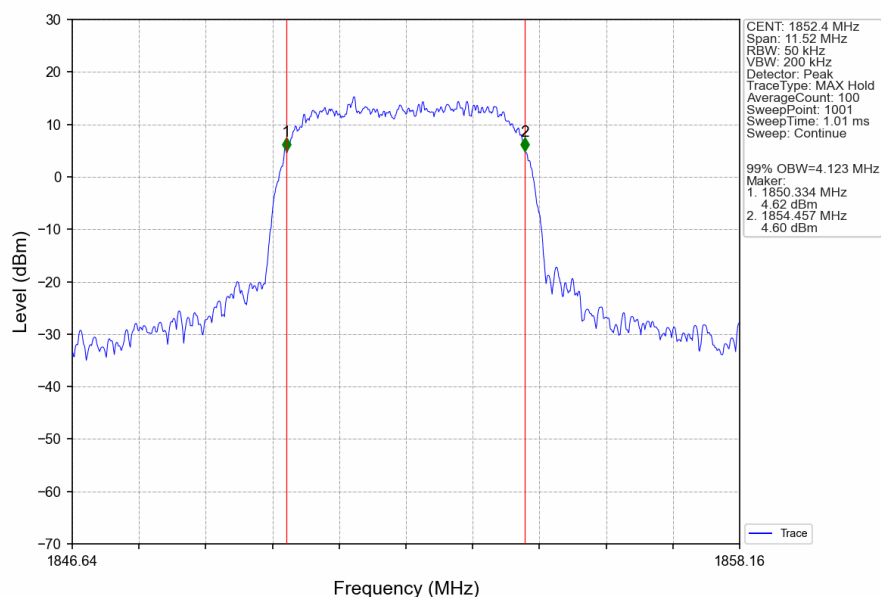
3.2.1 Band2_OBW



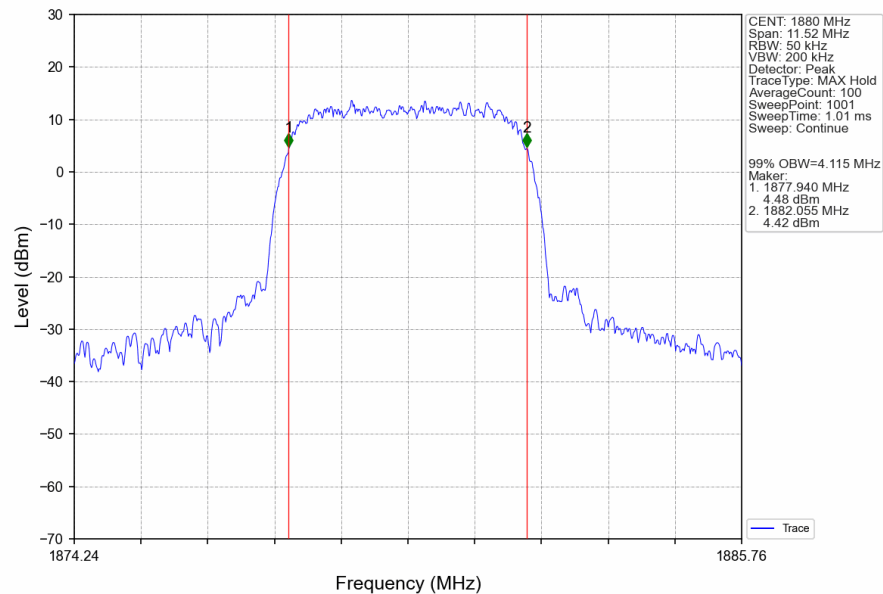
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



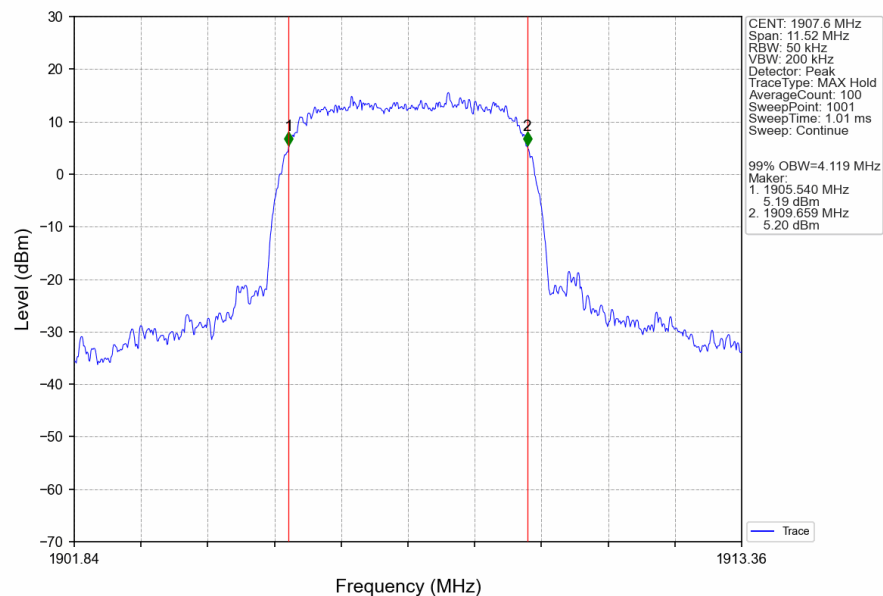
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



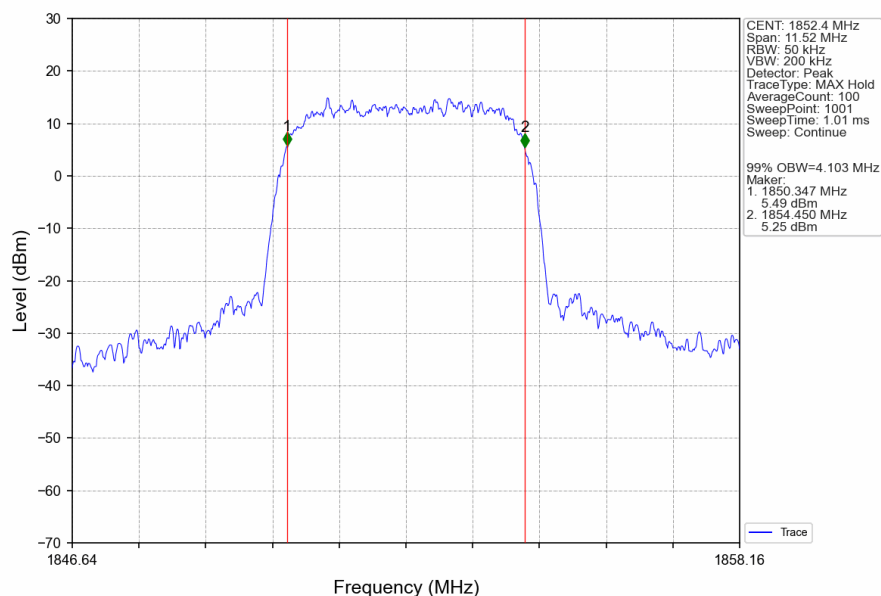
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



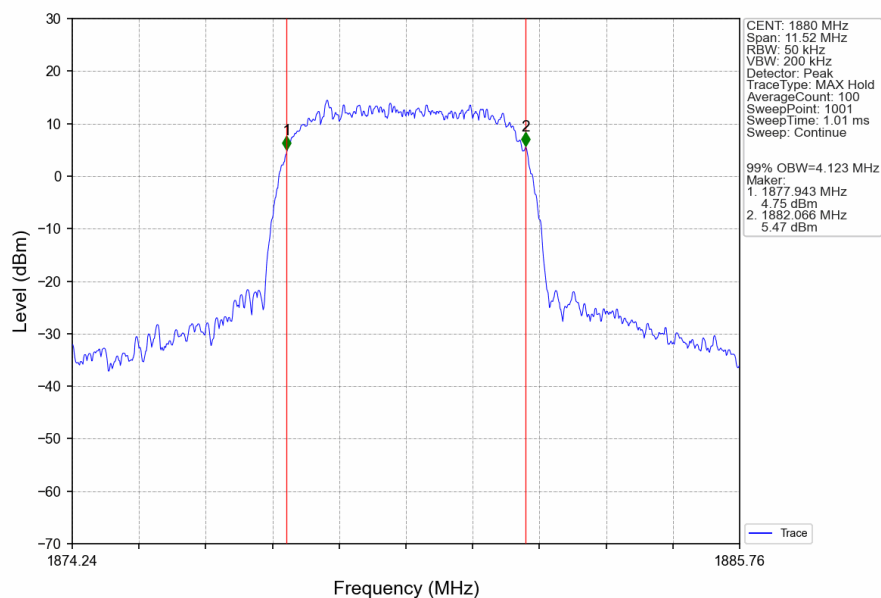
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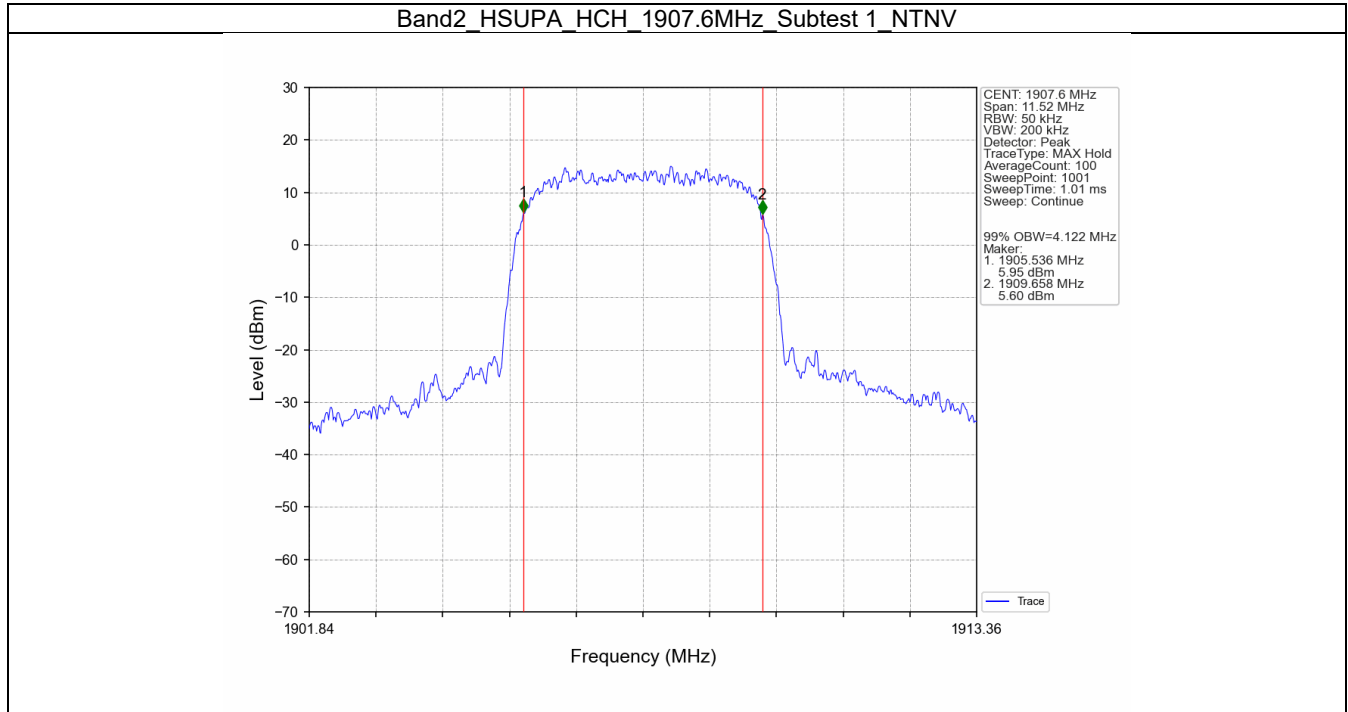


Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV

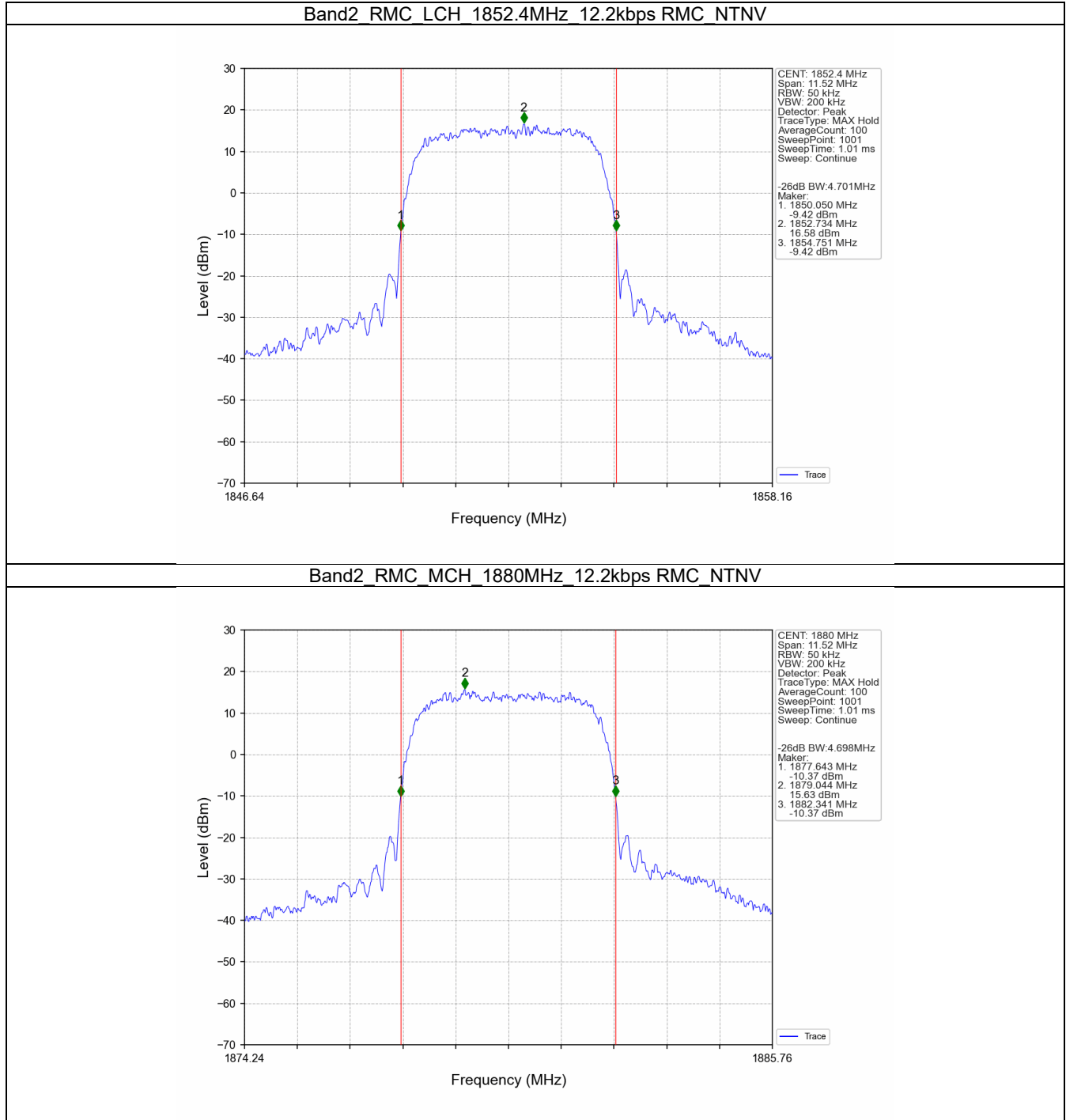


Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV

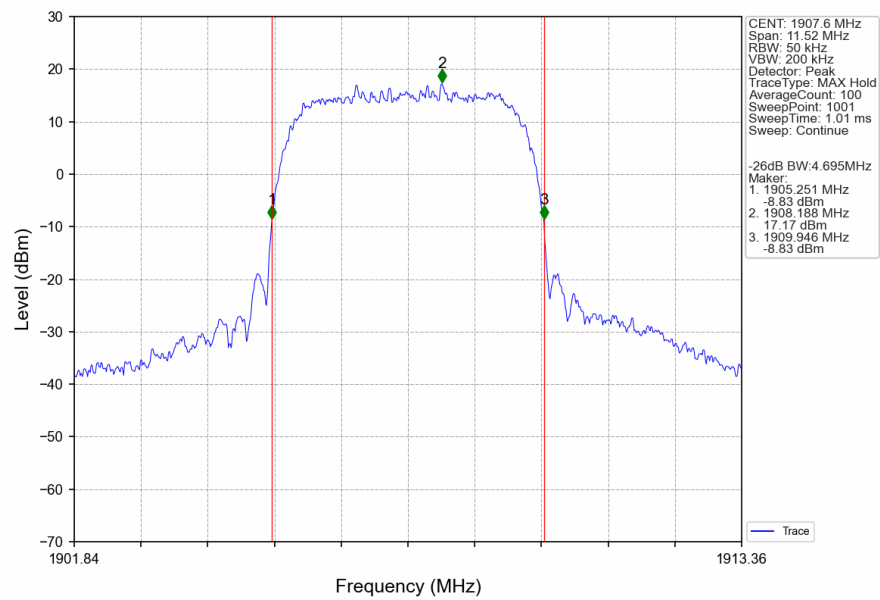




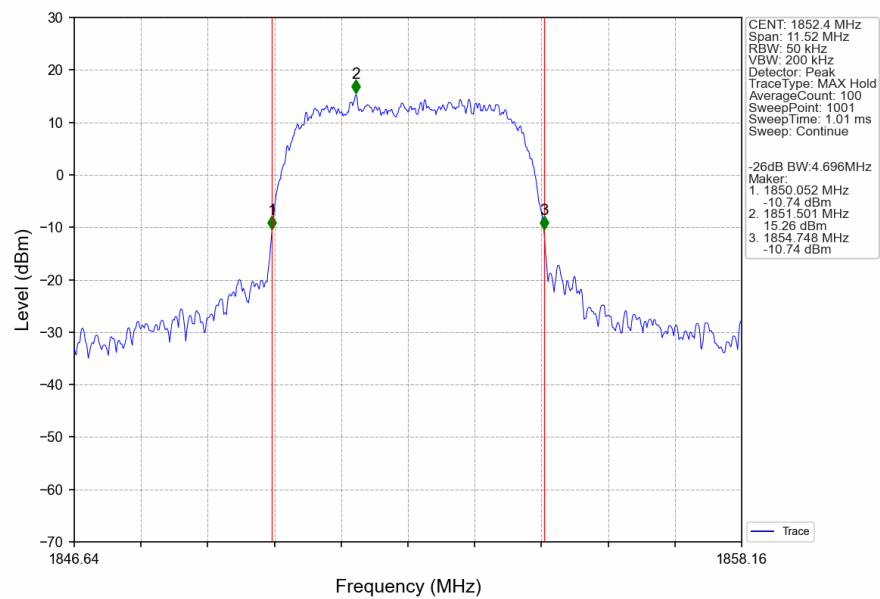
3.2.2 Band2_XDB



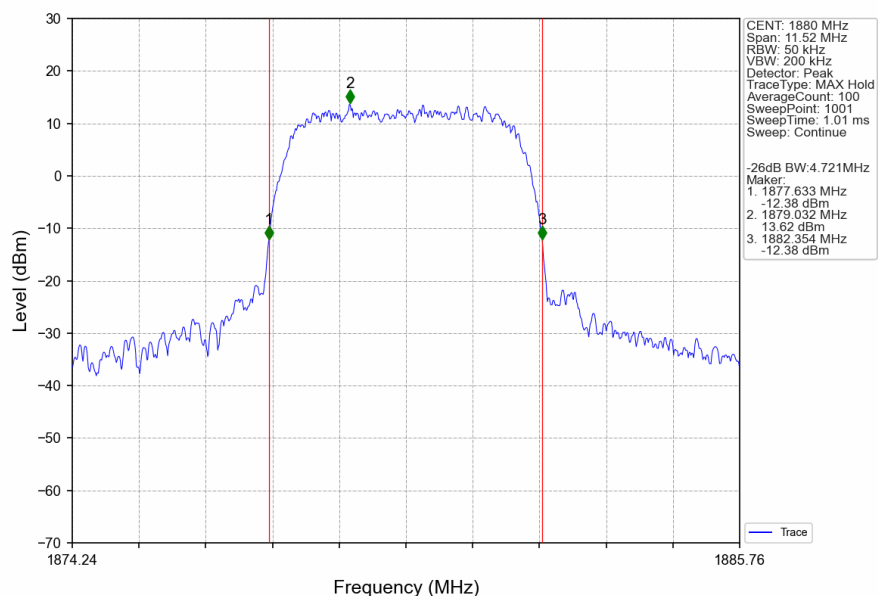
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



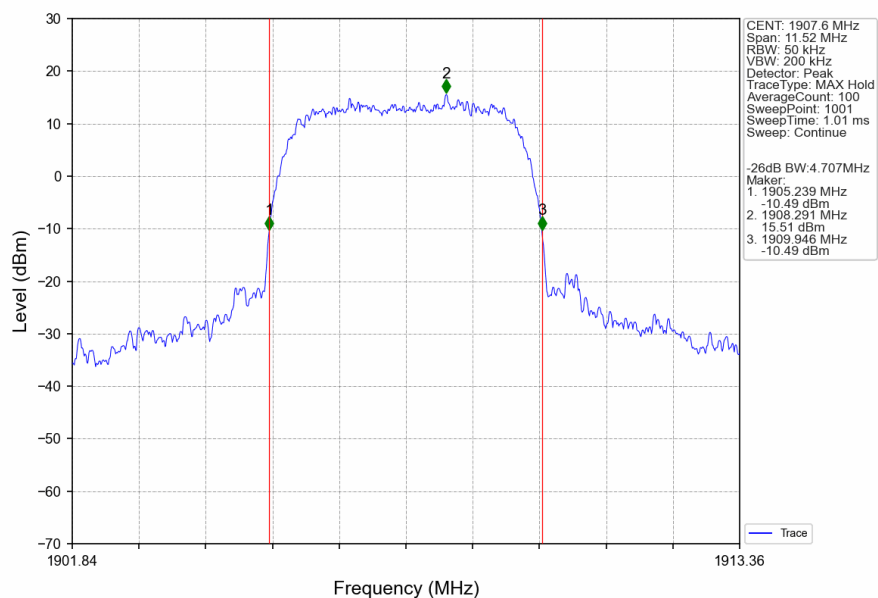
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



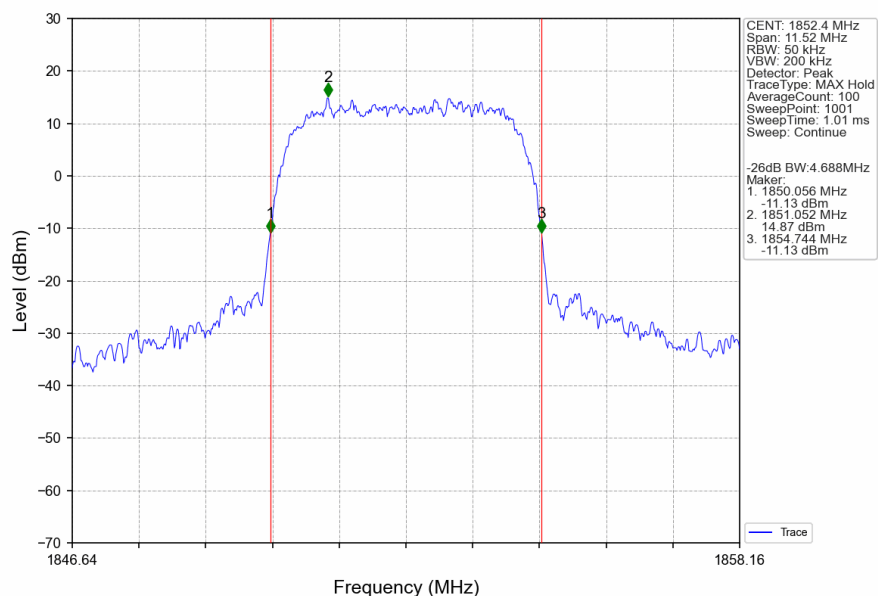
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



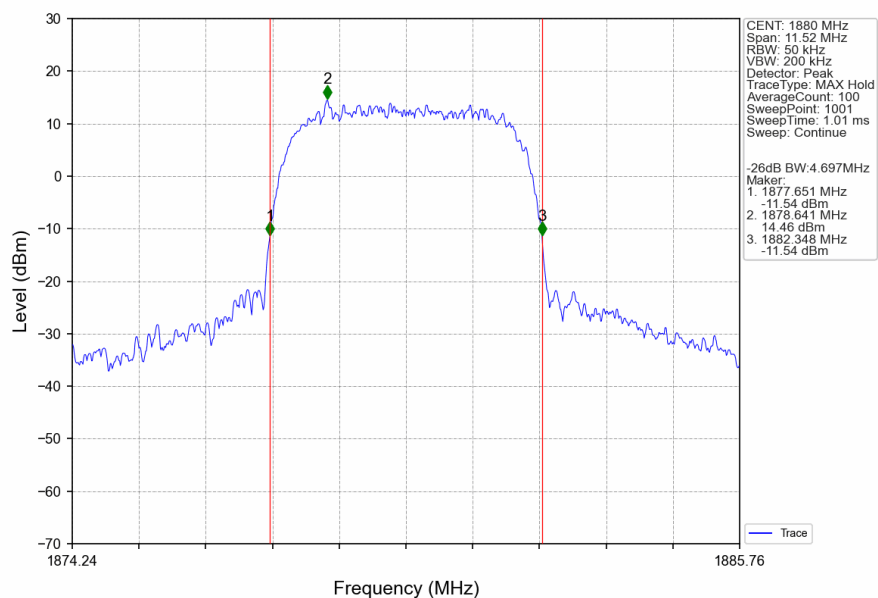
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV

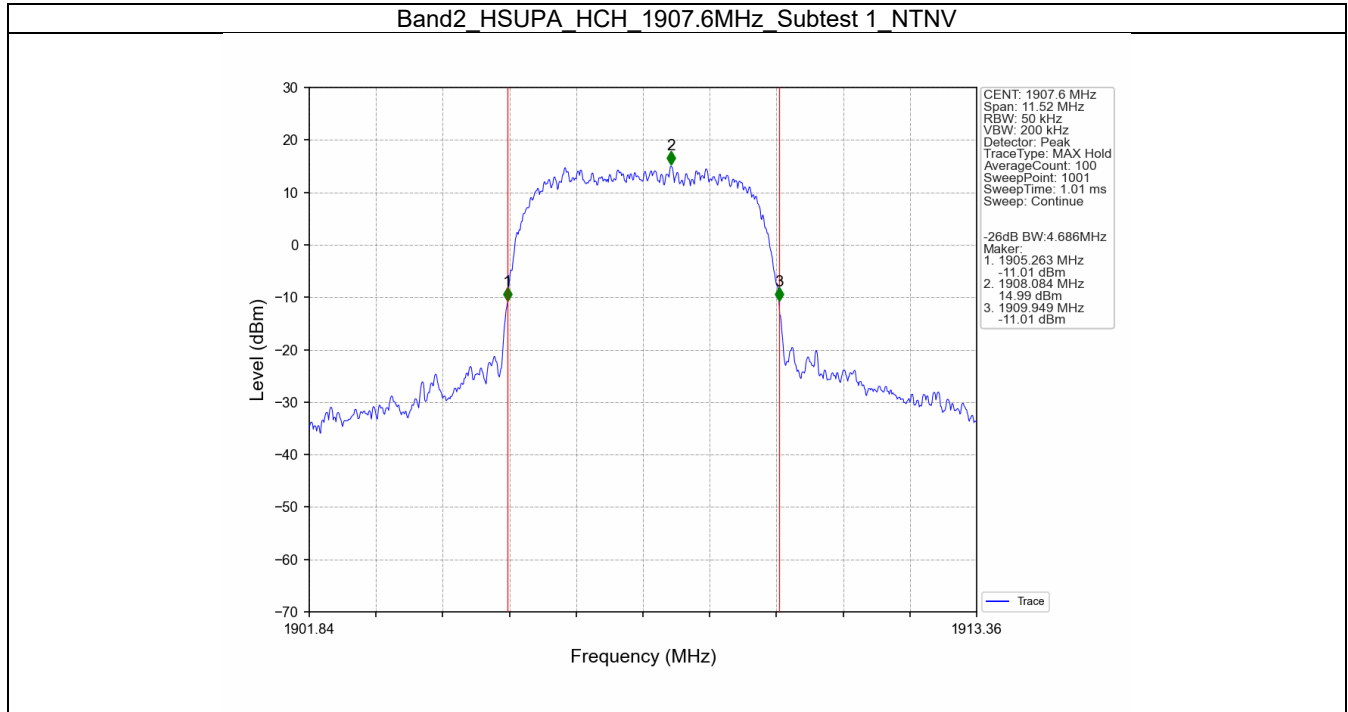


Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV







4. Peak-Average Ratio

4.1 Test Result

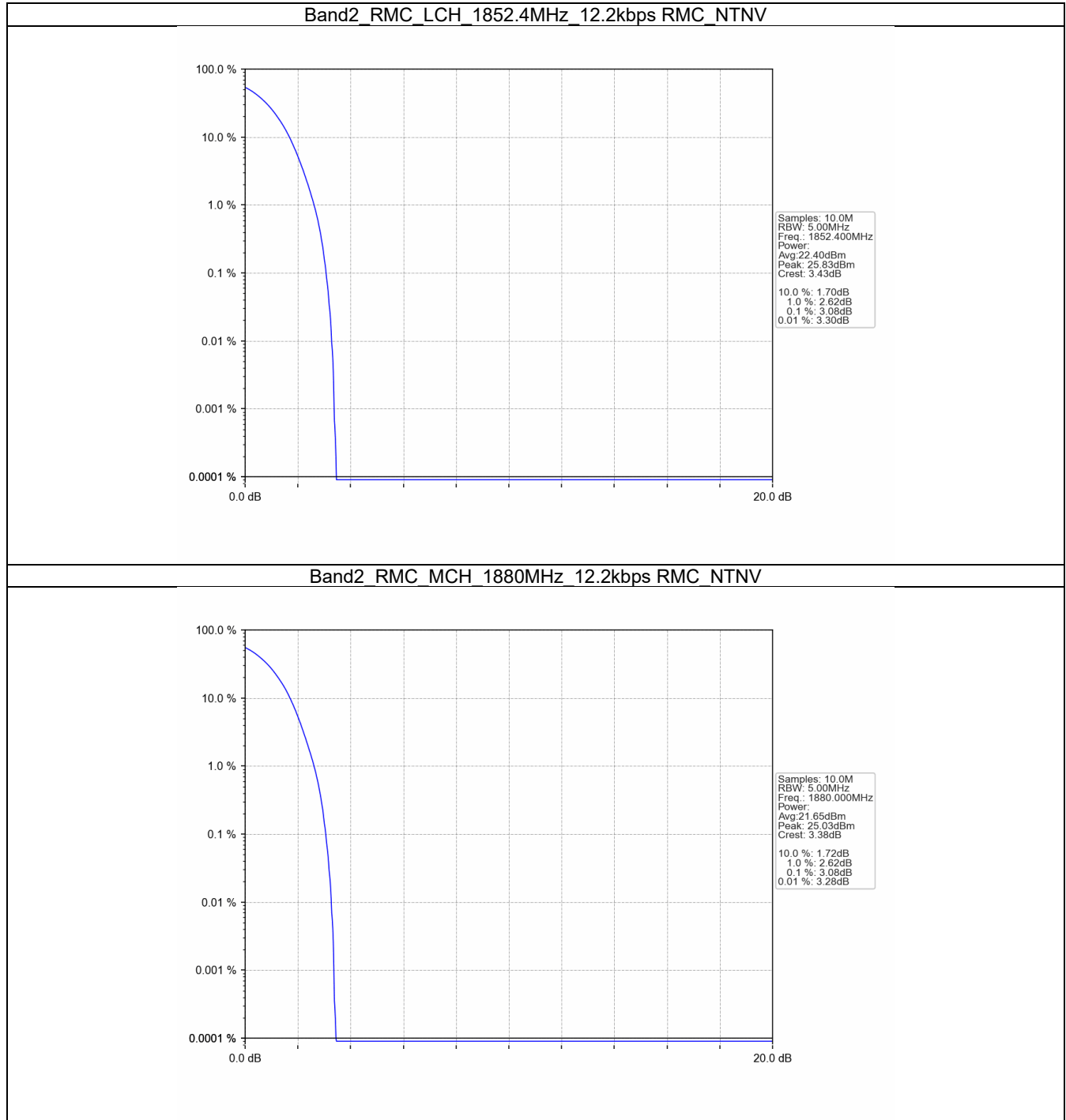
4.1.1 Band2

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	3.08	<=13	Pass
			1880	3.08	<=13	Pass
			1907.6	3.12	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.70	<=13	Pass
			1880	5.70	<=13	Pass
			1907.6	5.78	<=13	Pass
	HSUPA	Subtest 1	1852.4	6.92	<=13	Pass
			1880	6.88	<=13	Pass
			1907.6	7.10	<=13	Pass

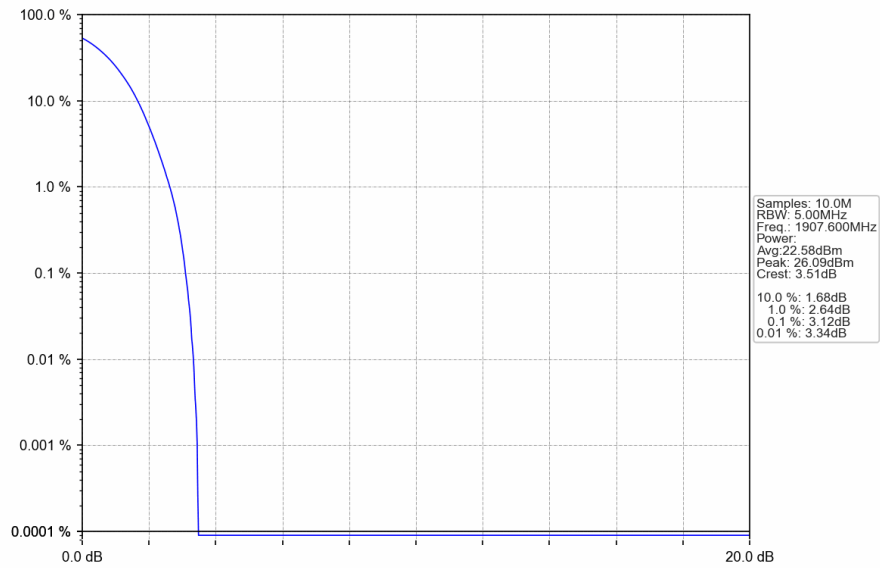


4.2 Test Graph

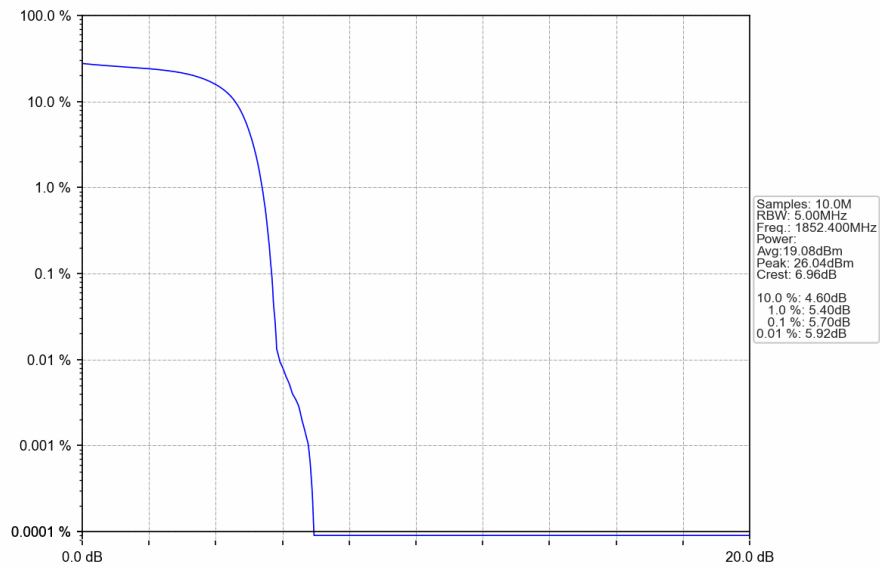
4.2.1 Band2



Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV

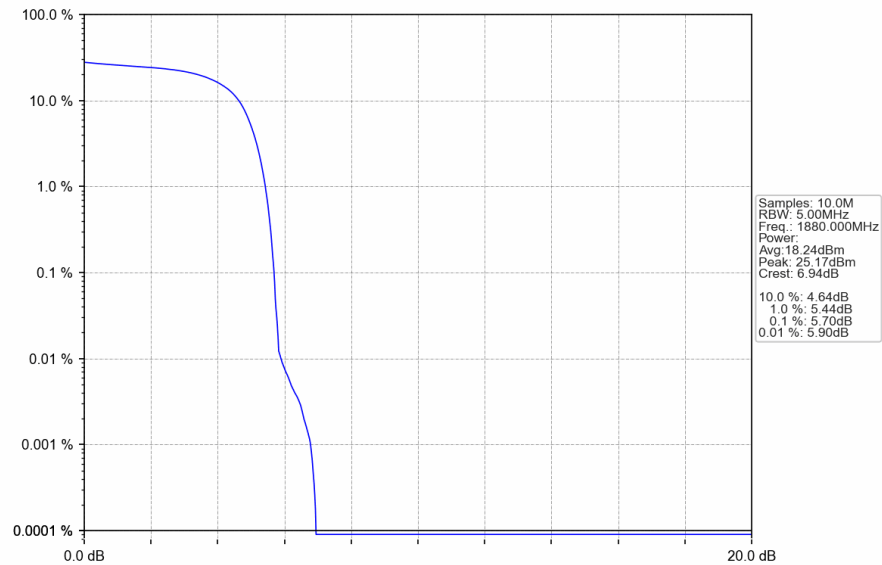


Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV

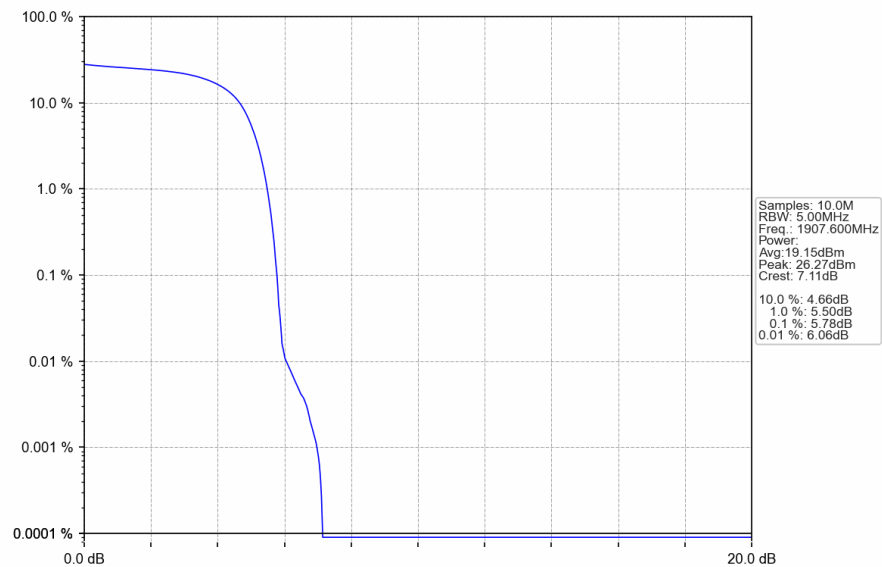




Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV

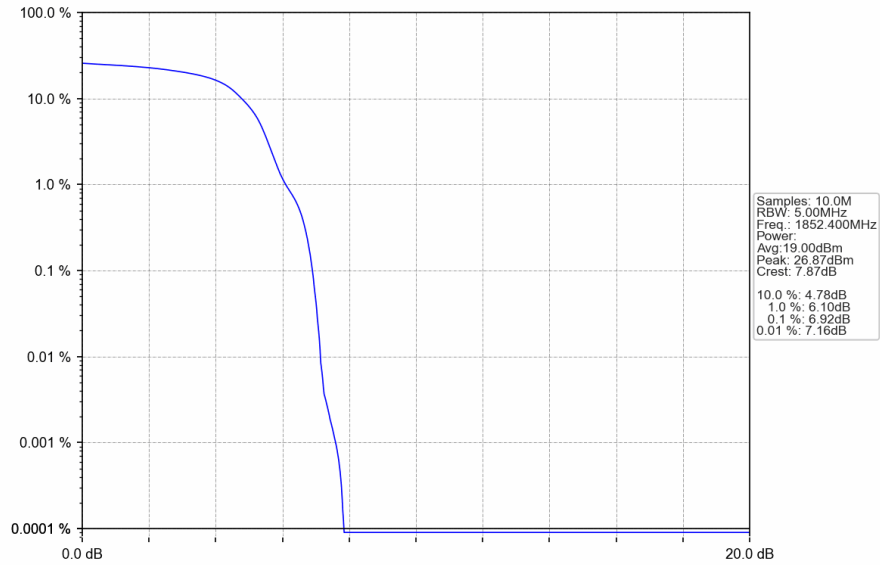


Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV

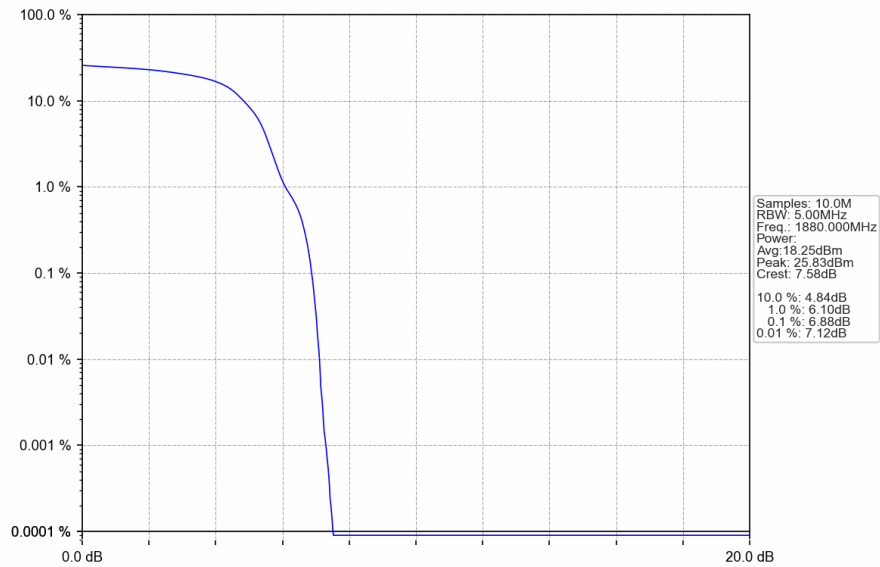




Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV

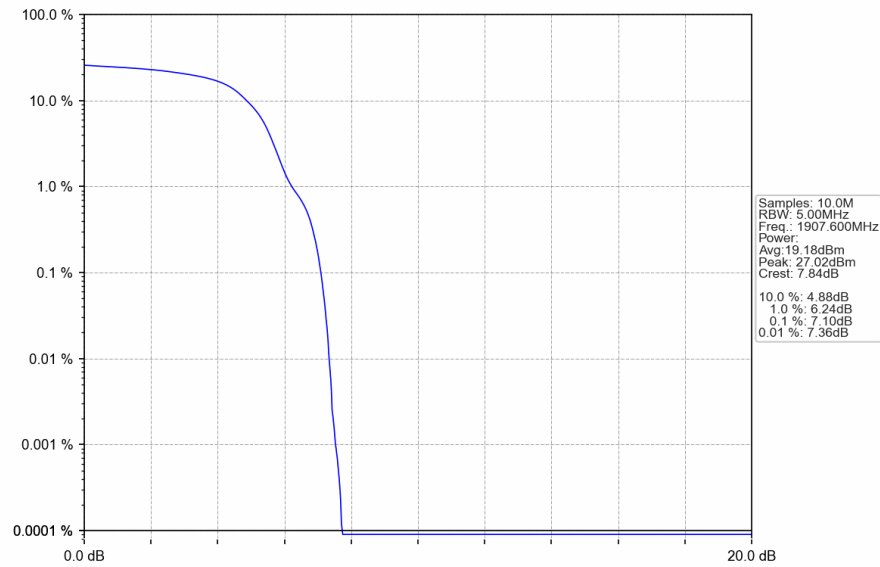


Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV





Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV





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5. Spurious Emission

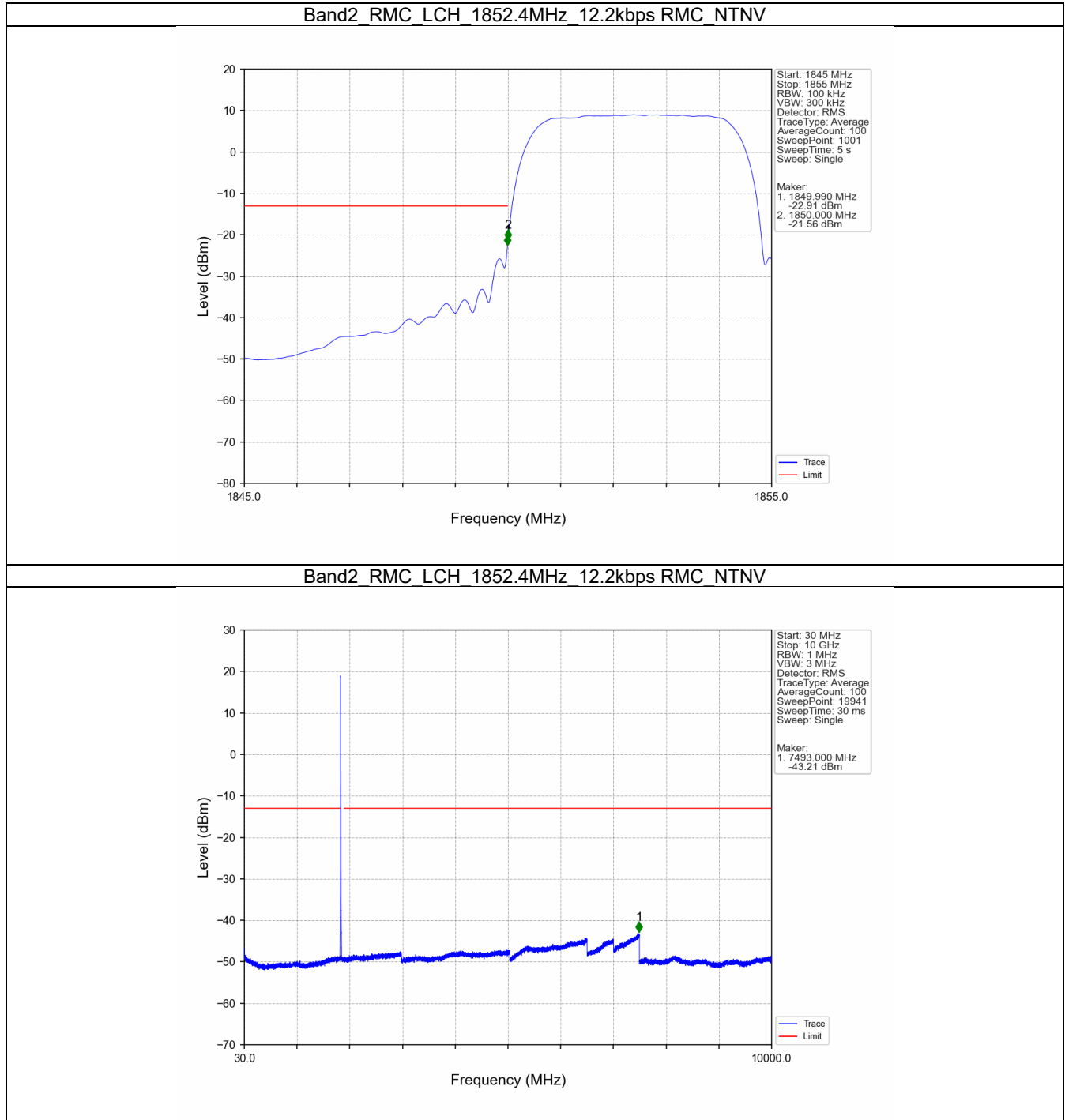
5.1 Test Result

5.1.1 Band2

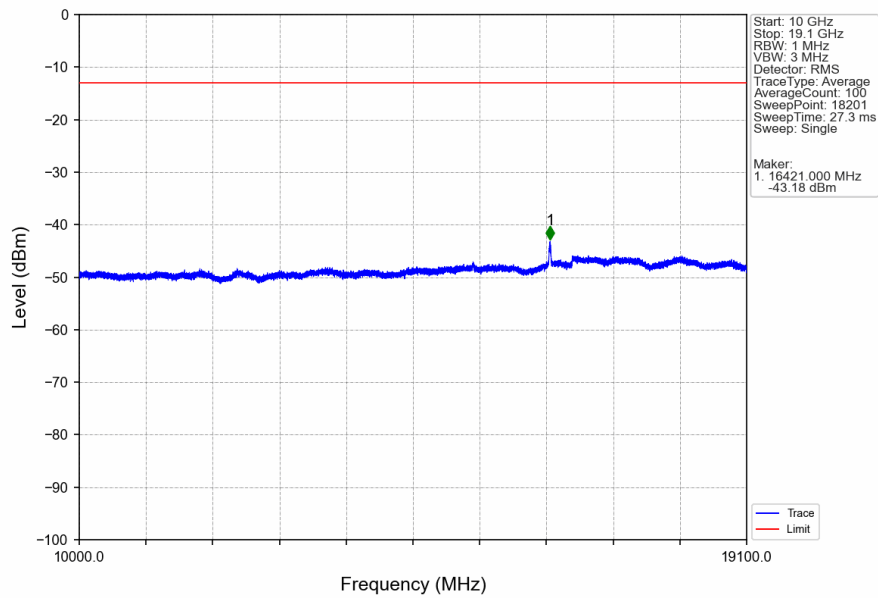
Band: 2						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	Refer To Test Graph	Pass	
			1880	Refer To Test Graph	Pass	
			1907.6	Refer To Test Graph	Pass	
	HSDPA	Subtest 1	1852.4	Refer To Test Graph	Pass	
			1880	Refer To Test Graph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

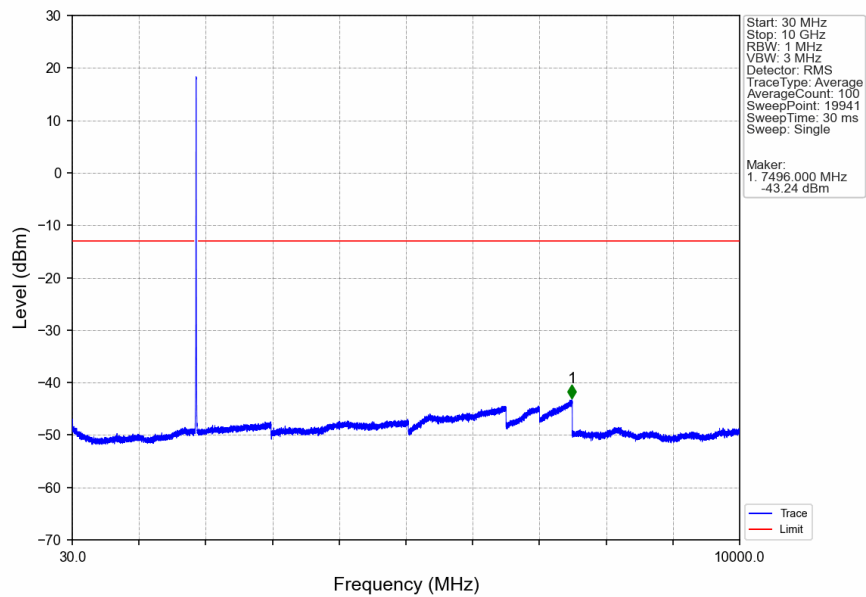
5.2.1 Band2

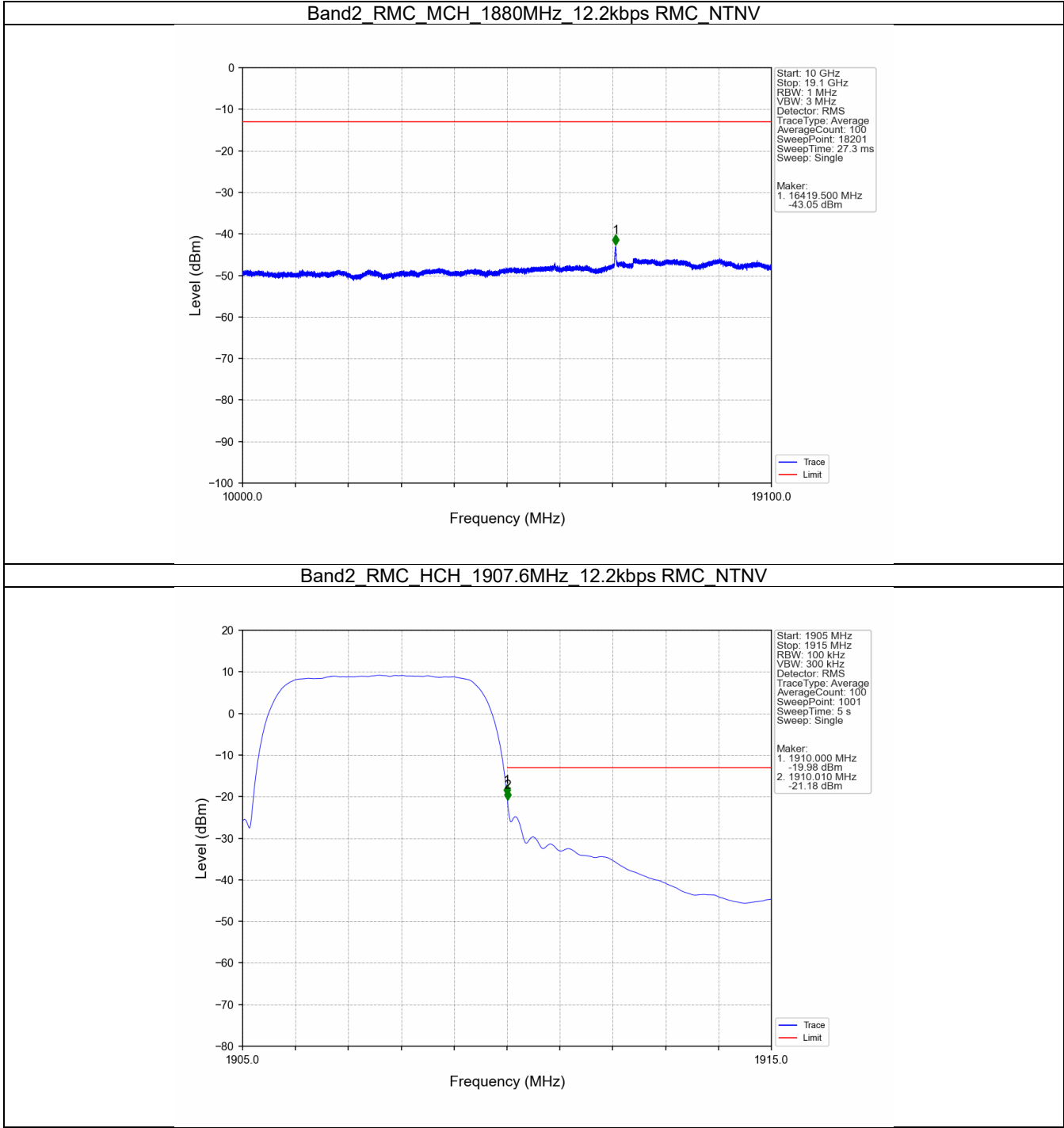


Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV

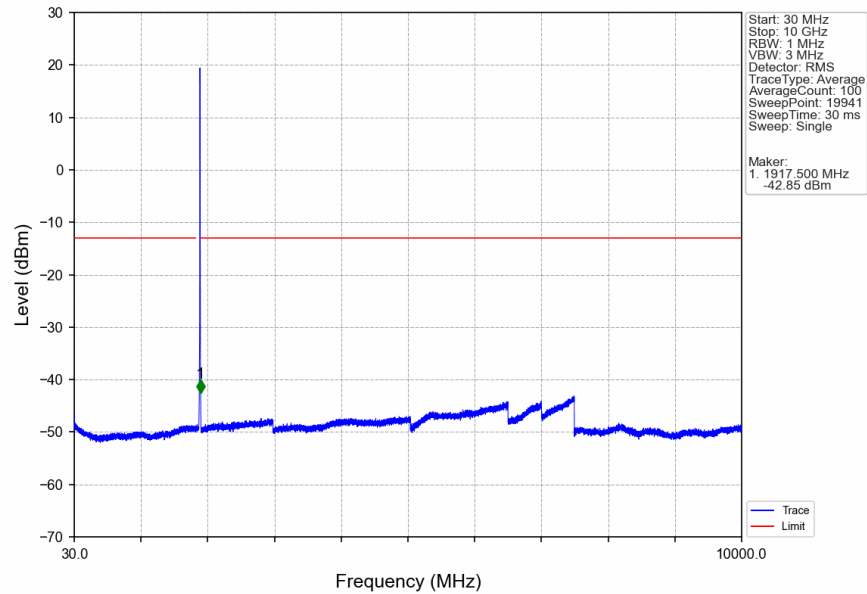


Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV

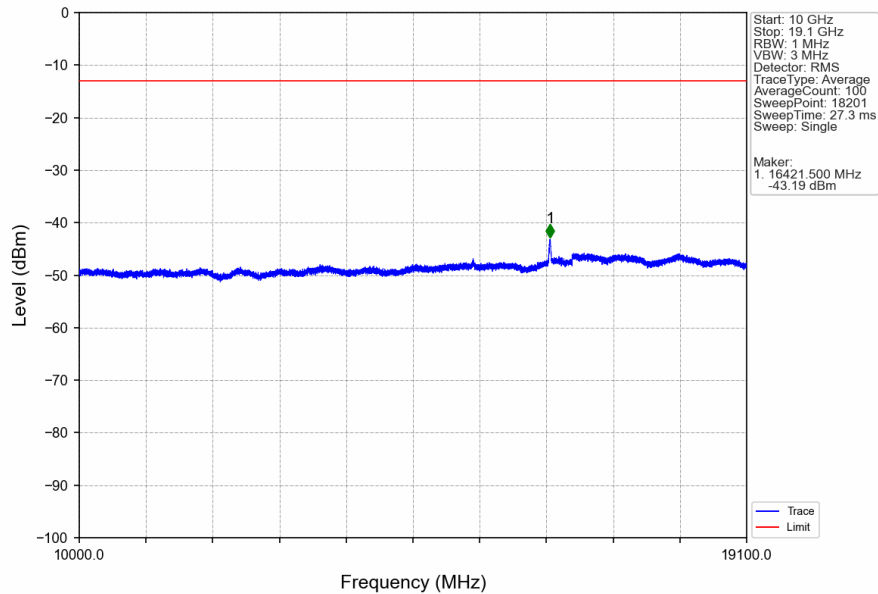




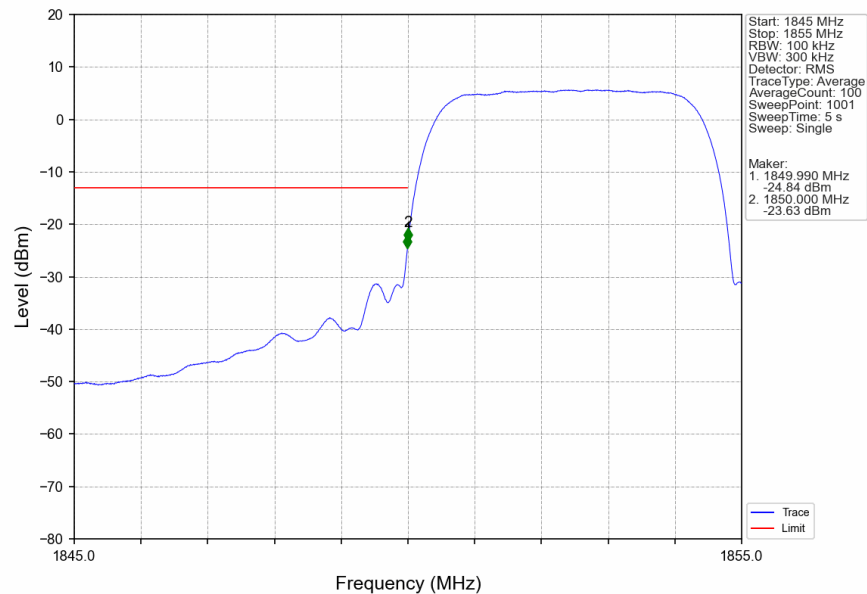
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



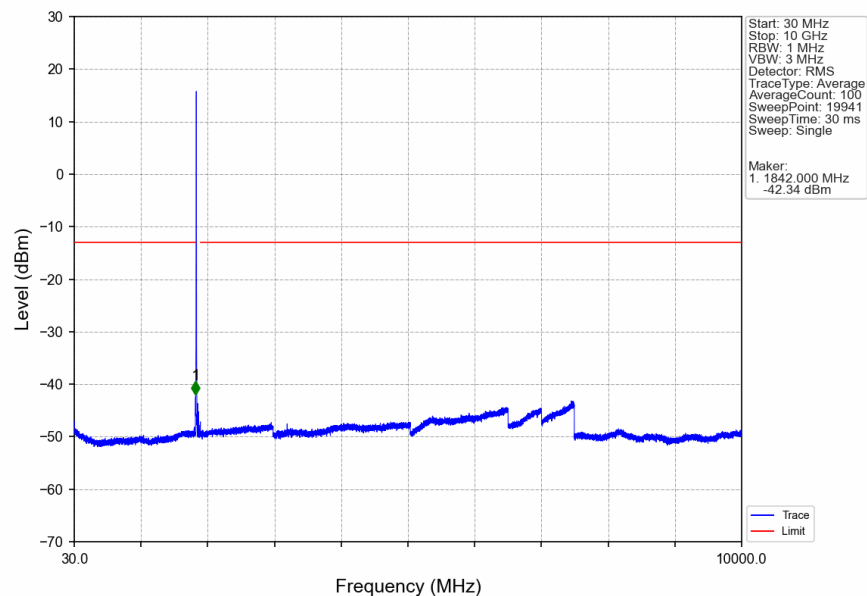
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV

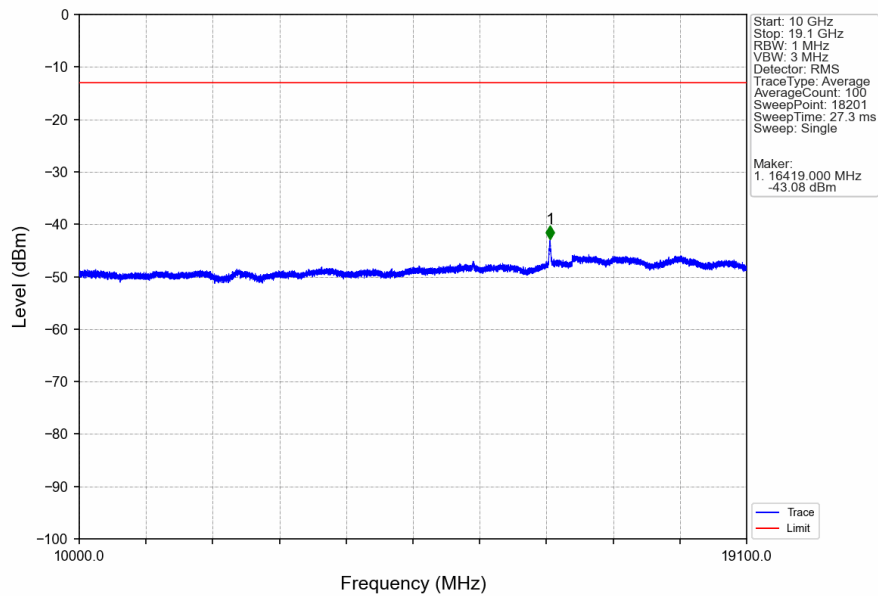


Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV

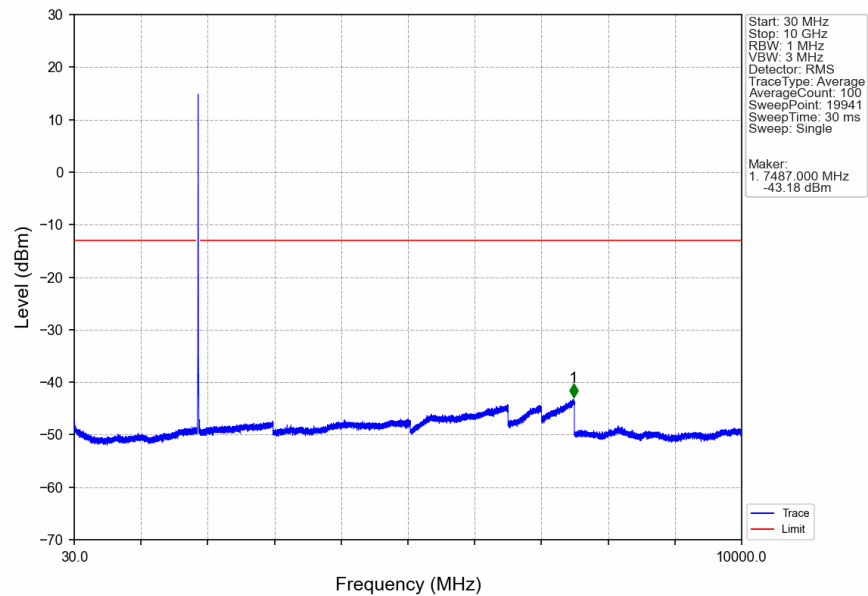




Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV

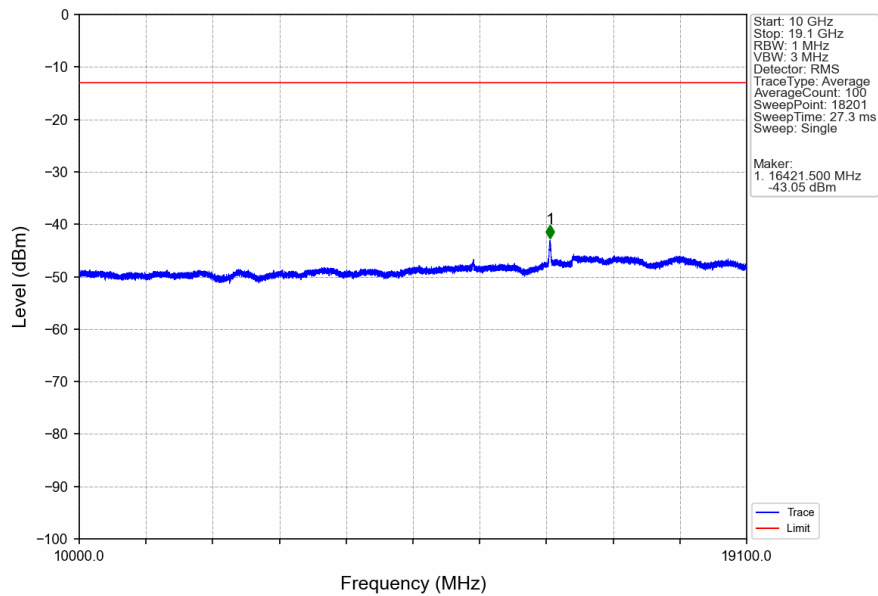


Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV

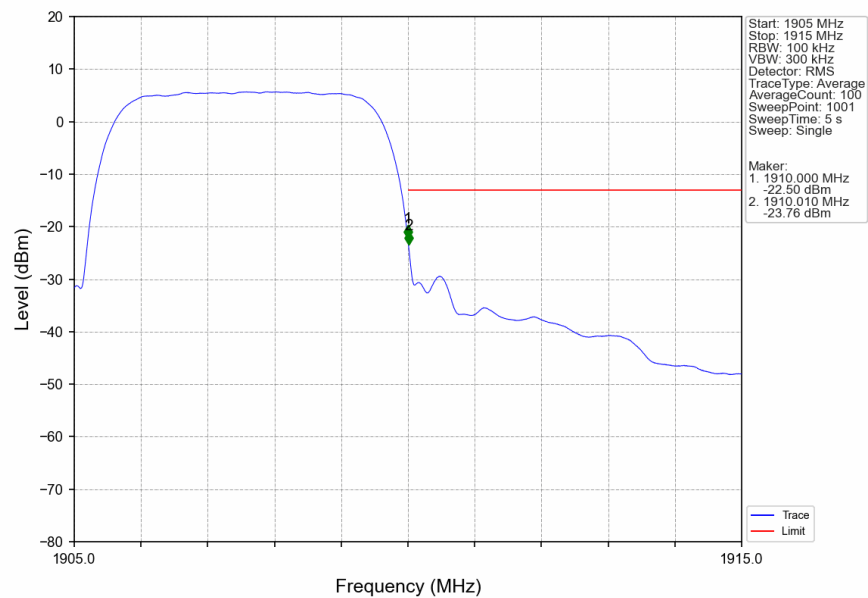




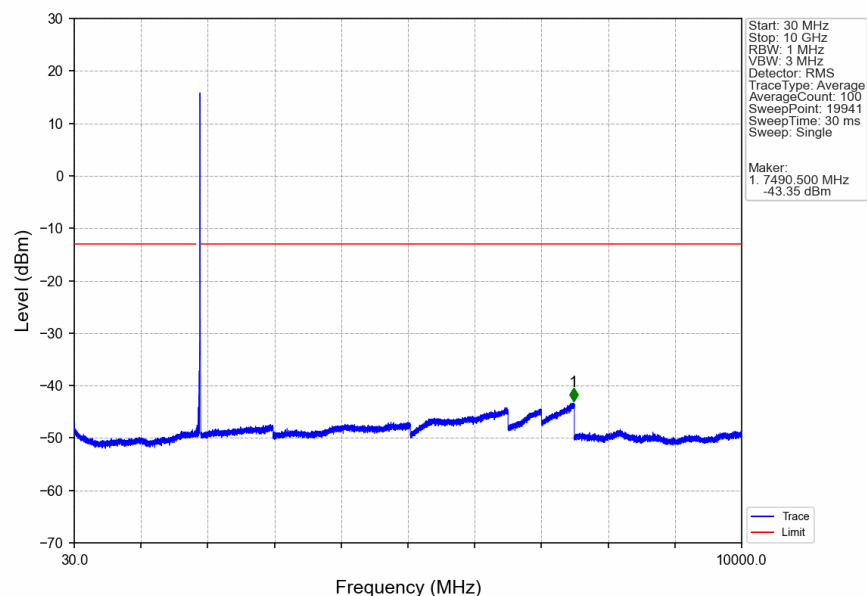
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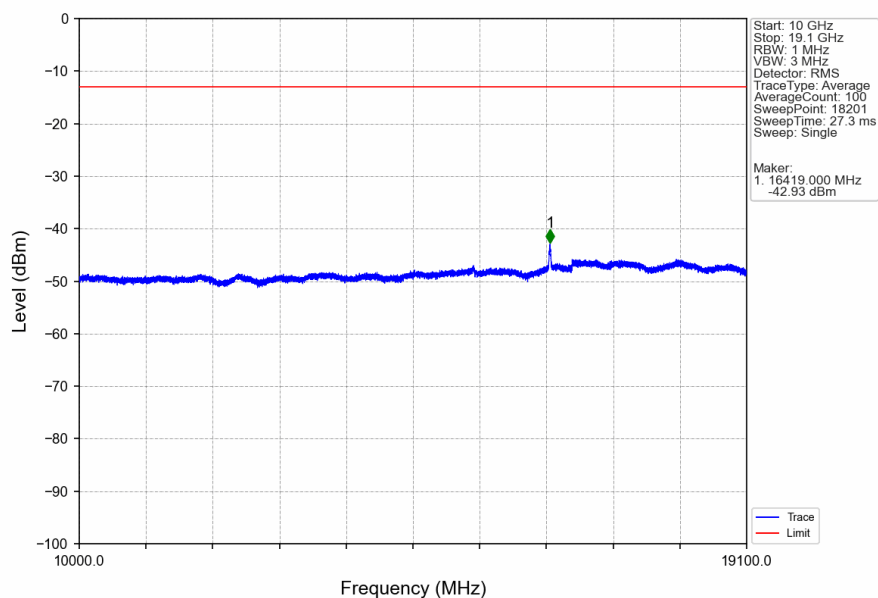
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



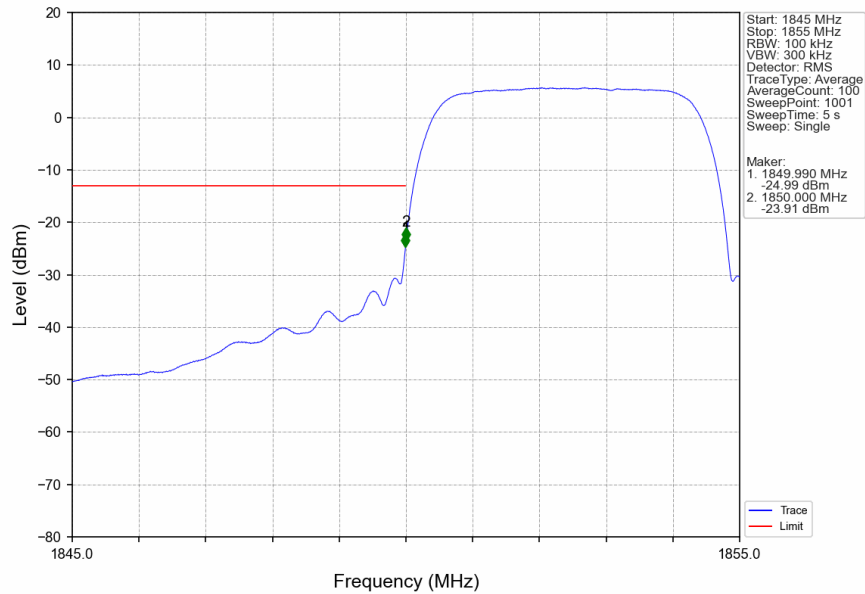
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



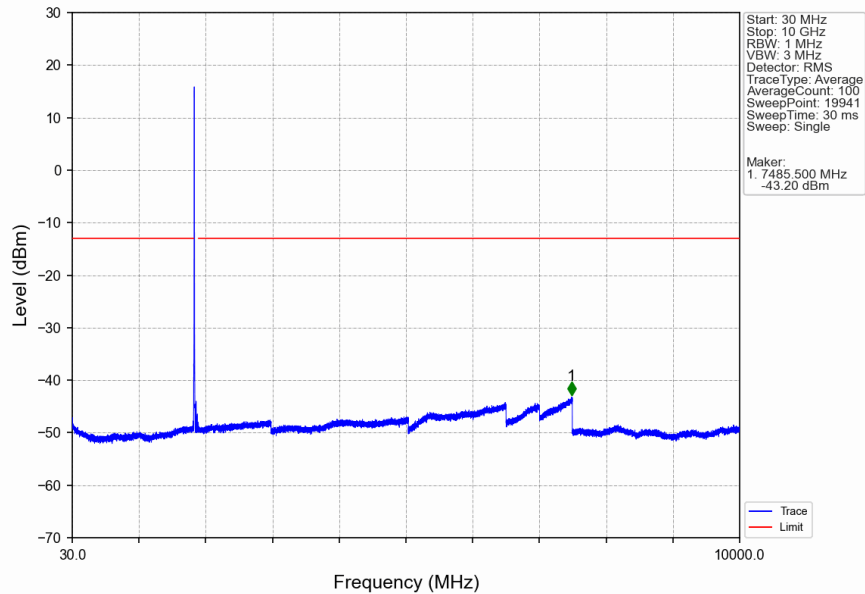
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



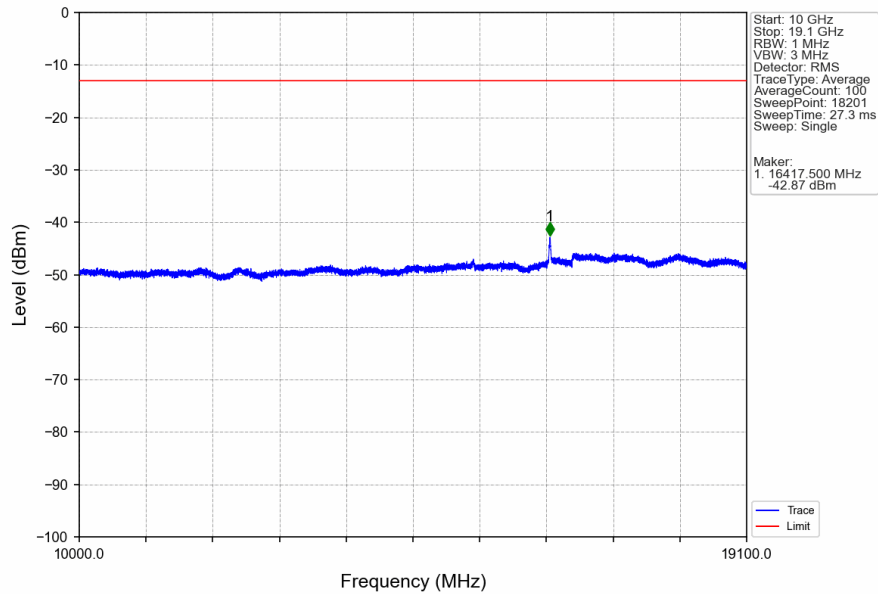
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



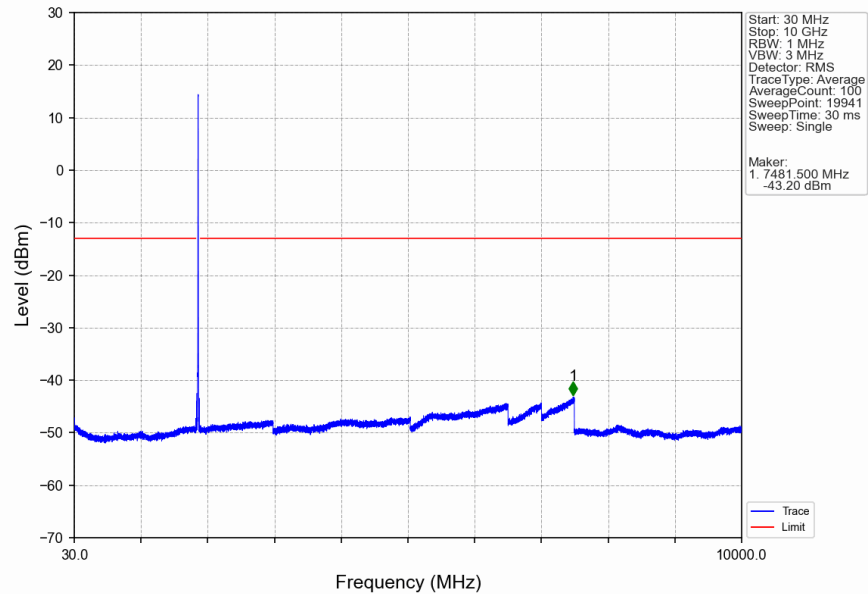
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



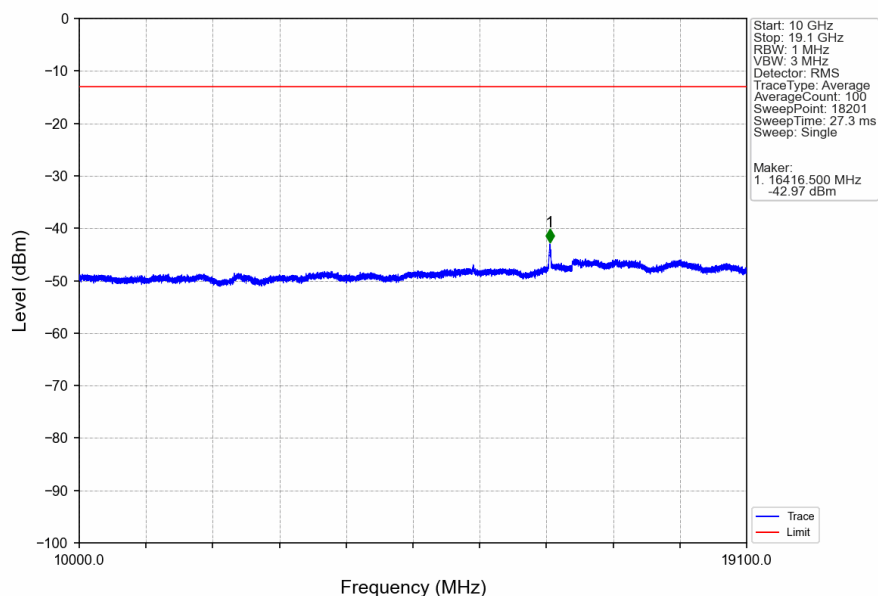
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



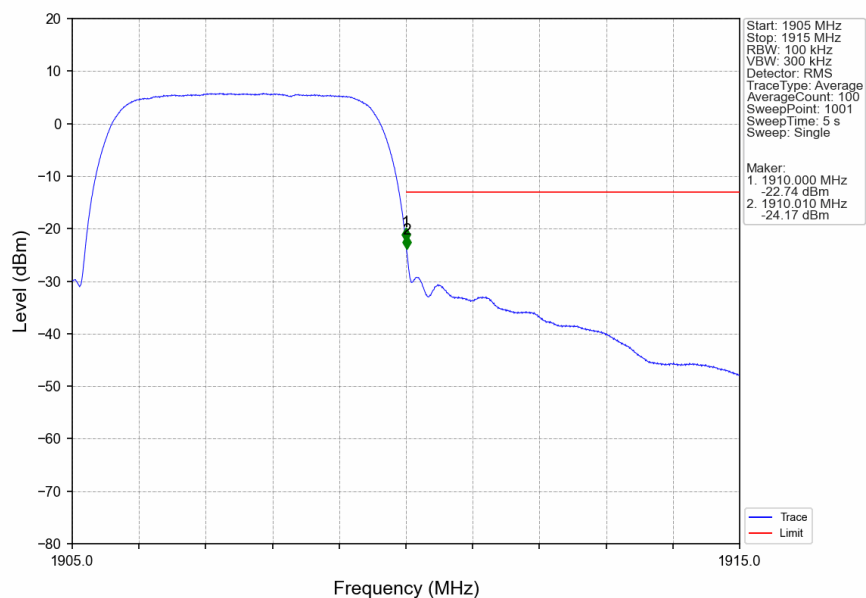
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV

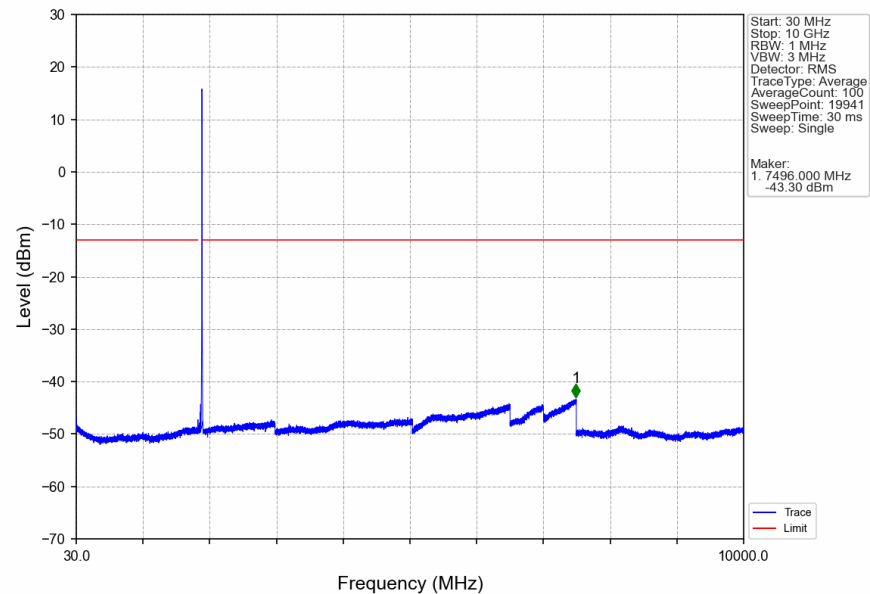


Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

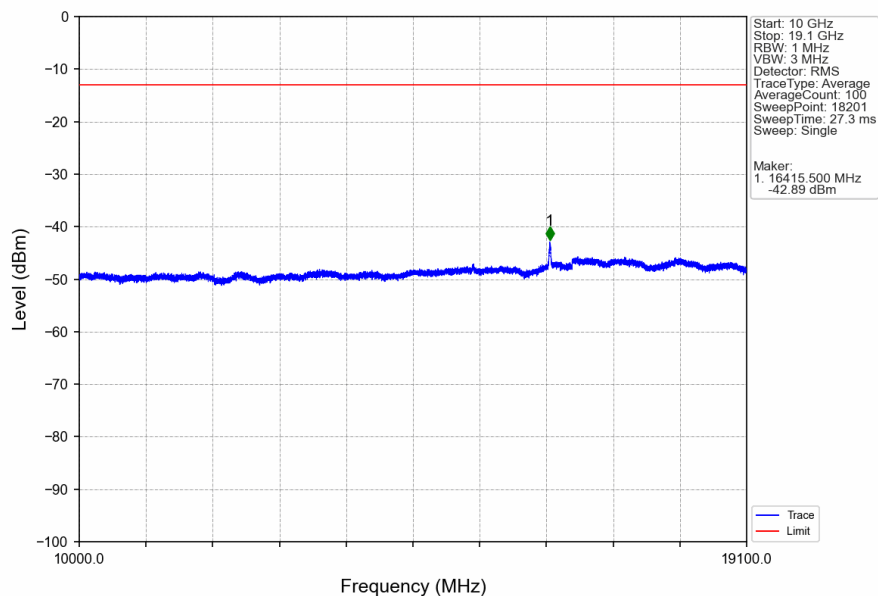




Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



---End of Attachment---