

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	14.43	0.34	14.77	<=33.01	Pass	
			1880	19.65	0.34	19.99	<=33.01	Pass	
			1907.6	18.39	0.34	18.73	<=33.01	Pass	
	HSDPA	Subtest 1	1852.4	17.35	0.34	17.69	<=33.01	Pass	
		Subtest 2	1852.4	17.31	0.34	17.65	<=33.01	Pass	
		Subtest 3	1852.4	17.36	0.34	17.7	<=33.01	Pass	
		Subtest 4	1852.4	17.32	0.34	17.66	<=33.01	Pass	
		Subtest 1	1880	16.84	0.34	17.18	<=33.01	Pass	
		Subtest 2	1880	16.87	0.34	17.21	<=33.01	Pass	
		Subtest 3	1880	16.85	0.34	17.19	<=33.01	Pass	
		Subtest 4	1880	16.88	0.34	17.22	<=33.01	Pass	
		Subtest 1	1907.6	16.04	0.34	16.38	<=33.01	Pass	
		Subtest 2	1907.6	16.06	0.34	16.4	<=33.01	Pass	
		Subtest 3	1907.6	16.06	0.34	16.4	<=33.01	Pass	
		Subtest 4	1907.6	16.04	0.34	16.38	<=33.01	Pass	
		HSUPA	Subtest 1	1852.4	14.74	0.34	15.08	<=33.01	Pass
			Subtest 2	1852.4	15.03	0.34	15.37	<=33.01	Pass
	Subtest 3		1852.4	14.75	0.34	15.09	<=33.01	Pass	
	Subtest 4		1852.4	15.26	0.34	15.6	<=33.01	Pass	
	Subtest 5		1852.4	15.07	0.34	15.41	<=33.01	Pass	
	Subtest 1		1880	14.33	0.34	14.67	<=33.01	Pass	
	Subtest 2		1880	14.59	0.34	14.93	<=33.01	Pass	
	Subtest 3		1880	14.35	0.34	14.69	<=33.01	Pass	
	Subtest 4		1880	14.87	0.34	15.21	<=33.01	Pass	
	Subtest 5		1880	14.66	0.34	15	<=33.01	Pass	
	Subtest 1		1907.6	13.56	0.34	13.9	<=33.01	Pass	
	Subtest 2		1907.6	14.08	0.34	14.42	<=33.01	Pass	
	Subtest 3		1907.6	13.85	0.34	14.19	<=33.01	Pass	
	Subtest 4		1907.6	14.07	0.34	14.41	<=33.01	Pass	
	Subtest 5		1907.6	13.59	0.34	13.93	<=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	3.948	0.0021	-2.5 to 2.5	Pass
			3.85	3.290	0.0018	-2.5 to 2.5	Pass
			4.43	3.169	0.0017	-2.5 to 2.5	Pass
		-30	3.85	2.525	0.0014	-2.5 to 2.5	Pass
		-20	3.85	3.211	0.0017	-2.5 to 2.5	Pass
		-10	3.85	2.954	0.0016	-2.5 to 2.5	Pass
		0	3.85	2.918	0.0016	-2.5 to 2.5	Pass
		10	3.85	2.503	0.0014	-2.5 to 2.5	Pass
		30	3.85	2.868	0.0015	-2.5 to 2.5	Pass
	40	3.85	2.832	0.0015	-2.5 to 2.5	Pass	
	50	3.85	3.269	0.0018	-2.5 to 2.5	Pass	
	1880	20	3.27	2.546	0.0014	-2.5 to 2.5	Pass
			3.85	3.326	0.0018	-2.5 to 2.5	Pass
			4.43	3.347	0.0018	-2.5 to 2.5	Pass
		-30	3.85	3.147	0.0017	-2.5 to 2.5	Pass
		-20	3.85	3.462	0.0018	-2.5 to 2.5	Pass
		-10	3.85	3.133	0.0017	-2.5 to 2.5	Pass
		0	3.85	3.090	0.0016	-2.5 to 2.5	Pass
		10	3.85	2.854	0.0015	-2.5 to 2.5	Pass
		30	3.85	3.161	0.0017	-2.5 to 2.5	Pass
	40	3.85	2.975	0.0016	-2.5 to 2.5	Pass	
	50	3.85	3.641	0.0019	-2.5 to 2.5	Pass	
	1907.6	20	3.27	2.561	0.0013	-2.5 to 2.5	Pass
			3.85	3.154	0.0017	-2.5 to 2.5	Pass
			4.43	3.369	0.0018	-2.5 to 2.5	Pass
		-30	3.85	3.440	0.0018	-2.5 to 2.5	Pass
		-20	3.85	3.684	0.0019	-2.5 to 2.5	Pass
		-10	3.85	3.004	0.0016	-2.5 to 2.5	Pass
		0	3.85	2.925	0.0015	-2.5 to 2.5	Pass
		10	3.85	2.890	0.0015	-2.5 to 2.5	Pass
30		3.85	2.139	0.0011	-2.5 to 2.5	Pass	
40	3.85	3.190	0.0017	-2.5 to 2.5	Pass		
50	3.85	3.169	0.0017	-2.5 to 2.5	Pass		
HSDPA	1852.4	20	3.27	2.174	0.0012	-2.5 to 2.5	Pass
			3.85	2.739	0.0015	-2.5 to 2.5	Pass
			4.43	1.509	0.0008	-2.5 to 2.5	Pass
		-30	3.85	2.224	0.0012	-2.5 to 2.5	Pass
		-20	3.85	2.010	0.0011	-2.5 to 2.5	Pass
		-10	3.85	2.704	0.0015	-2.5 to 2.5	Pass
		0	3.85	1.931	0.0010	-2.5 to 2.5	Pass
		10	3.85	2.210	0.0012	-2.5 to 2.5	Pass
		30	3.85	3.240	0.0017	-2.5 to 2.5	Pass
40	3.85	2.089	0.0011	-2.5 to 2.5	Pass		

	1880	50	3.85	3.211	0.0017	-2.5 to 2.5	Pass
		20	3.27	2.453	0.0013	-2.5 to 2.5	Pass
			3.85	3.018	0.0016	-2.5 to 2.5	Pass
			4.43	2.575	0.0014	-2.5 to 2.5	Pass
		-30	3.85	3.669	0.0020	-2.5 to 2.5	Pass
		-20	3.85	2.654	0.0014	-2.5 to 2.5	Pass
		-10	3.85	2.925	0.0016	-2.5 to 2.5	Pass
		0	3.85	2.854	0.0015	-2.5 to 2.5	Pass
		10	3.85	2.990	0.0016	-2.5 to 2.5	Pass
		30	3.85	3.011	0.0016	-2.5 to 2.5	Pass
	40	3.85	2.539	0.0014	-2.5 to 2.5	Pass	
	50	3.85	2.768	0.0015	-2.5 to 2.5	Pass	
	1907.6	20	3.27	2.203	0.0012	-2.5 to 2.5	Pass
			3.85	1.981	0.0010	-2.5 to 2.5	Pass
			4.43	1.180	0.0006	-2.5 to 2.5	Pass
		-30	3.85	2.360	0.0012	-2.5 to 2.5	Pass
		-20	3.85	1.423	0.0007	-2.5 to 2.5	Pass
		-10	3.85	1.287	0.0007	-2.5 to 2.5	Pass
		0	3.85	0.880	0.0005	-2.5 to 2.5	Pass
10		3.85	2.689	0.0014	-2.5 to 2.5	Pass	
30		3.85	1.724	0.0009	-2.5 to 2.5	Pass	
40		3.85	1.738	0.0009	-2.5 to 2.5	Pass	
50	3.85	2.296	0.0012	-2.5 to 2.5	Pass		
HSUPA	1852.4	20	3.27	4.642	0.0025	-2.5 to 2.5	Pass
			3.85	6.008	0.0032	-2.5 to 2.5	Pass
			4.43	6.058	0.0033	-2.5 to 2.5	Pass
		-30	3.85	5.322	0.0029	-2.5 to 2.5	Pass
		-20	3.85	5.100	0.0028	-2.5 to 2.5	Pass
		-10	3.85	7.060	0.0038	-2.5 to 2.5	Pass
		0	3.85	5.944	0.0032	-2.5 to 2.5	Pass
		10	3.85	6.015	0.0032	-2.5 to 2.5	Pass
		30	3.85	6.444	0.0035	-2.5 to 2.5	Pass
		40	3.85	6.266	0.0034	-2.5 to 2.5	Pass
	50	3.85	5.751	0.0031	-2.5 to 2.5	Pass	
	1880	20	3.27	6.845	0.0036	-2.5 to 2.5	Pass
			3.85	6.680	0.0036	-2.5 to 2.5	Pass
			4.43	5.765	0.0031	-2.5 to 2.5	Pass
		-30	3.85	6.087	0.0032	-2.5 to 2.5	Pass
		-20	3.85	6.380	0.0034	-2.5 to 2.5	Pass
		-10	3.85	5.407	0.0029	-2.5 to 2.5	Pass
		0	3.85	5.028	0.0027	-2.5 to 2.5	Pass
		10	3.85	6.366	0.0034	-2.5 to 2.5	Pass
		30	3.85	5.479	0.0029	-2.5 to 2.5	Pass
		40	3.85	6.258	0.0033	-2.5 to 2.5	Pass
	50	3.85	4.971	0.0026	-2.5 to 2.5	Pass	
	1907.6	20	3.27	6.058	0.0032	-2.5 to 2.5	Pass
			3.85	5.729	0.0030	-2.5 to 2.5	Pass
			4.43	5.271	0.0028	-2.5 to 2.5	Pass
		-30	3.85	5.944	0.0031	-2.5 to 2.5	Pass
		-20	3.85	6.194	0.0032	-2.5 to 2.5	Pass
		-10	3.85	5.236	0.0027	-2.5 to 2.5	Pass
		0	3.85	4.113	0.0022	-2.5 to 2.5	Pass
		10	3.85	6.280	0.0033	-2.5 to 2.5	Pass
30		3.85	5.286	0.0028	-2.5 to 2.5	Pass	
40		3.85	4.735	0.0025	-2.5 to 2.5	Pass	
50	3.85	5.357	0.0028	-2.5 to 2.5	Pass		

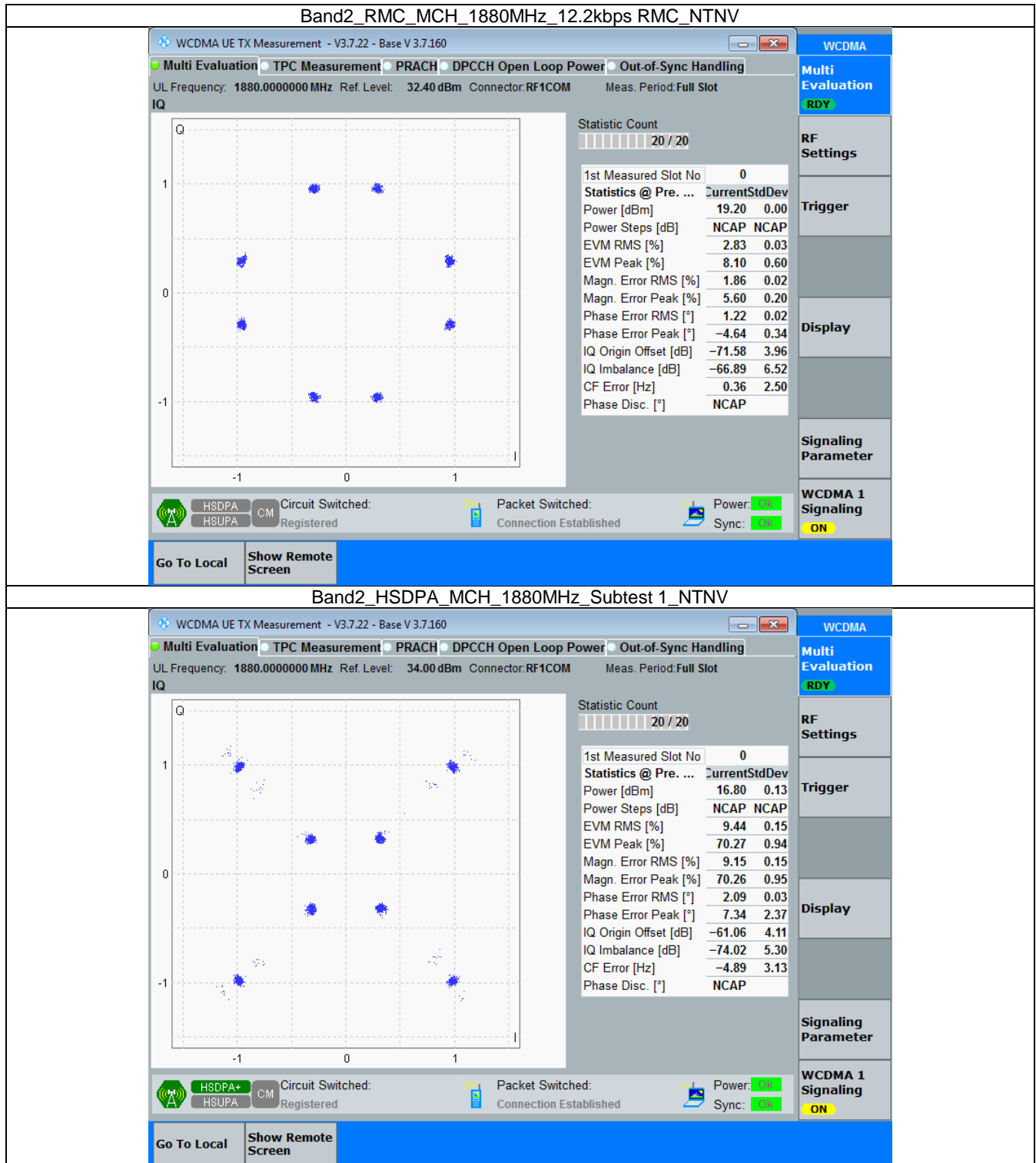
3. Modulation Characteristics

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



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV

WCDMA UE TX Measurement - V3.7.22 - Base V 3.7.160

Multi Evaluation
 TPC Measurement
 PRACH
 DPCCH Open Loop Power
 Out-of-Sync Handling

UL Frequency: 1880.000000 MHz Ref. Level: 34.00 dBm Connector: RF1COM Meas. Period: Full Slot

IQ

Statistic Count: 20 / 20

1st Measured Slot No	0
Statistics @ Pre. ...	CurrentStdDev
Power [dBm]	17.29 2.46
Power Steps [dB]	NCAP NCAP
EVM RMS [%]	2.71 4.08
EVM Peak [%]	7.35 35.05
Magn. Error RMS [%]	1.76 4.35
Magn. Error Peak [%]	4.53 36.17
Phase Error RMS [°]	1.89 0.32
Phase Error Peak [°]	7.03 3.83
IQ Origin Offset [dB]	-76.71 7.61
IQ Imbalance [dB]	-70.20 5.50
CF Error [Hz]	4.81 7.47
Phase Disc. [°]	NCAP

HSDPA+ HSDPA CM Circuit Switched: Registered
 Packet Switched: Connection Established
 Power: ■ Sync: ■

WCDMA
 Multi Evaluation RDY
 RF Settings
 Trigger
 Display
 Signaling Parameter
 WCDMA 1 Signaling ON

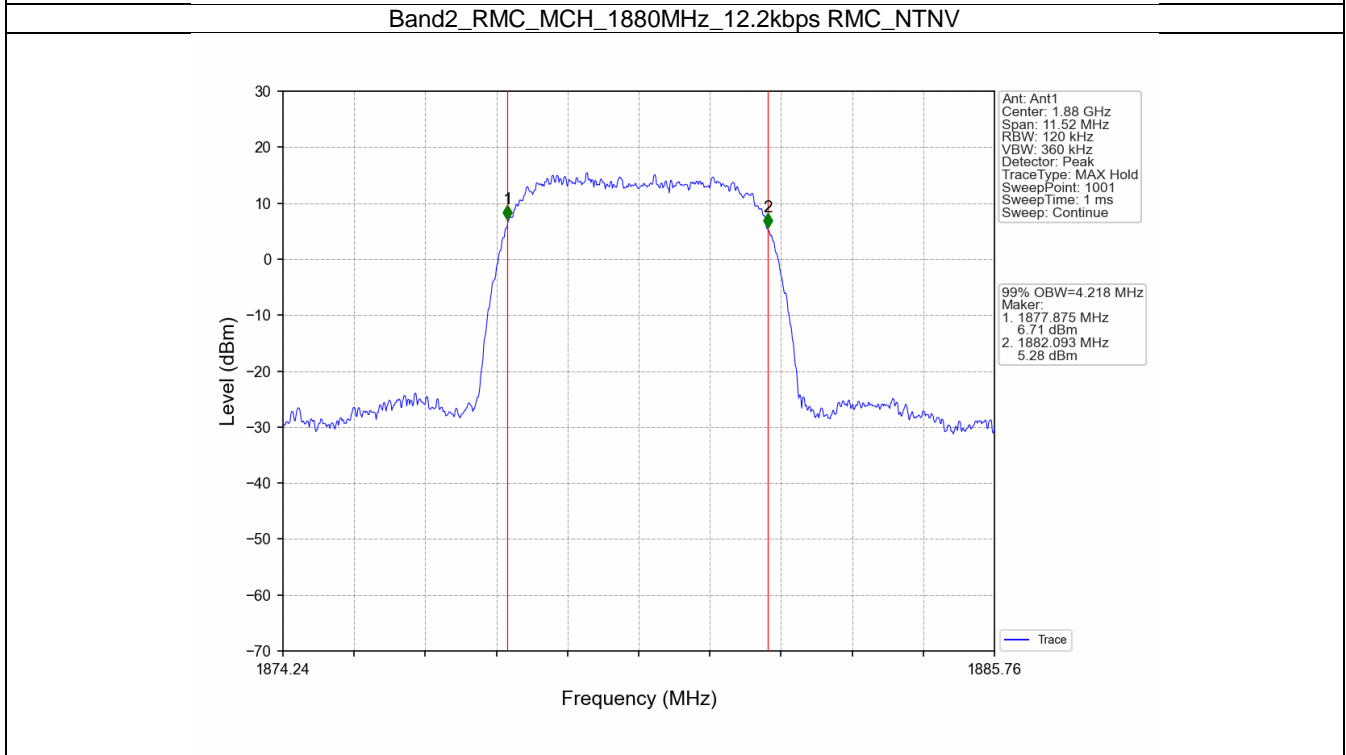
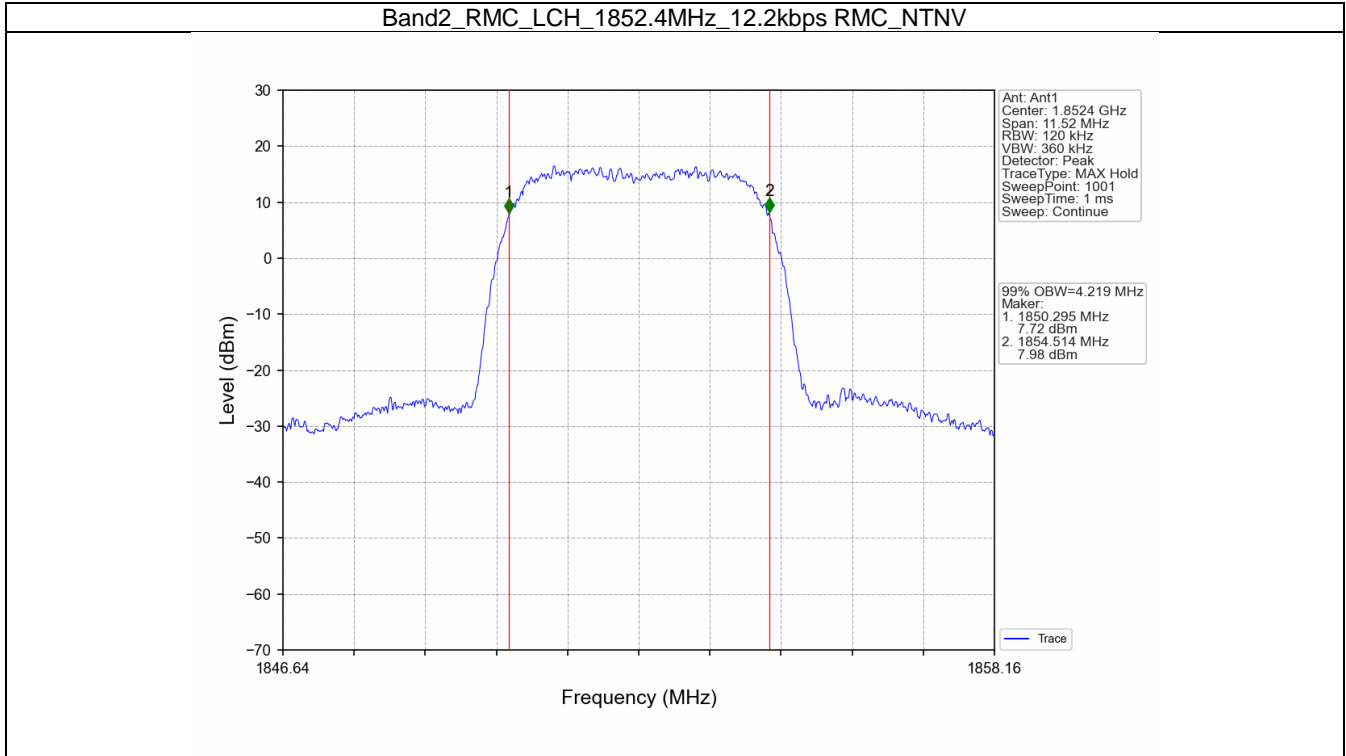
4. 99% & 26dB Bandwidth

4.1 Band2_OBW

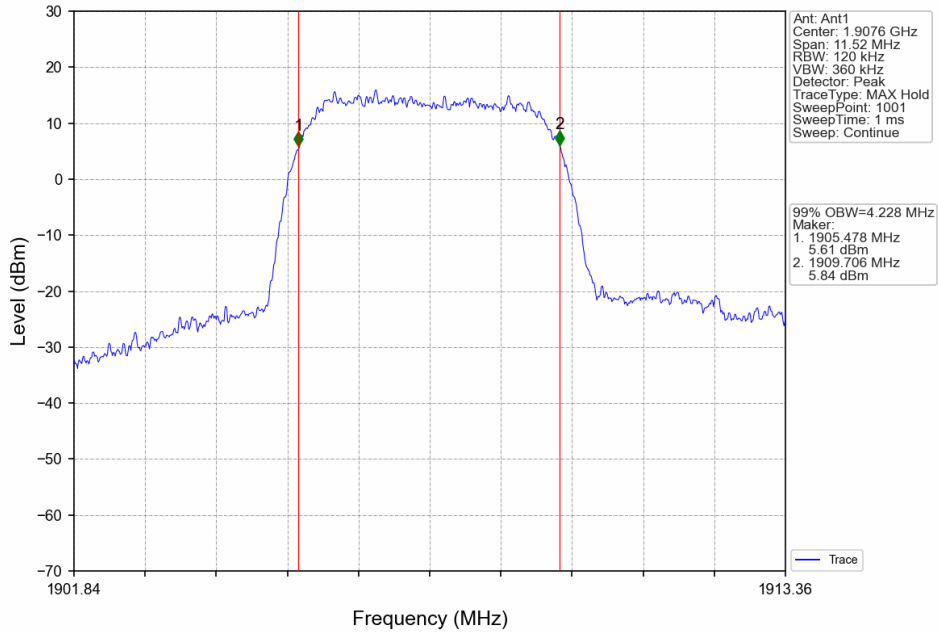
4.1.1 Test Result

Band: 2					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.219	Pass
			1880	4.218	Pass
			1907.6	4.228	Pass
	HSDPA	Subtest 1	1852.4	4.227	Pass
			1880	4.260	Pass
			1907.6	4.235	Pass
	HSUPA	Subtest 1	1852.4	4.244	Pass
			1880	4.251	Pass
			1907.6	4.233	Pass

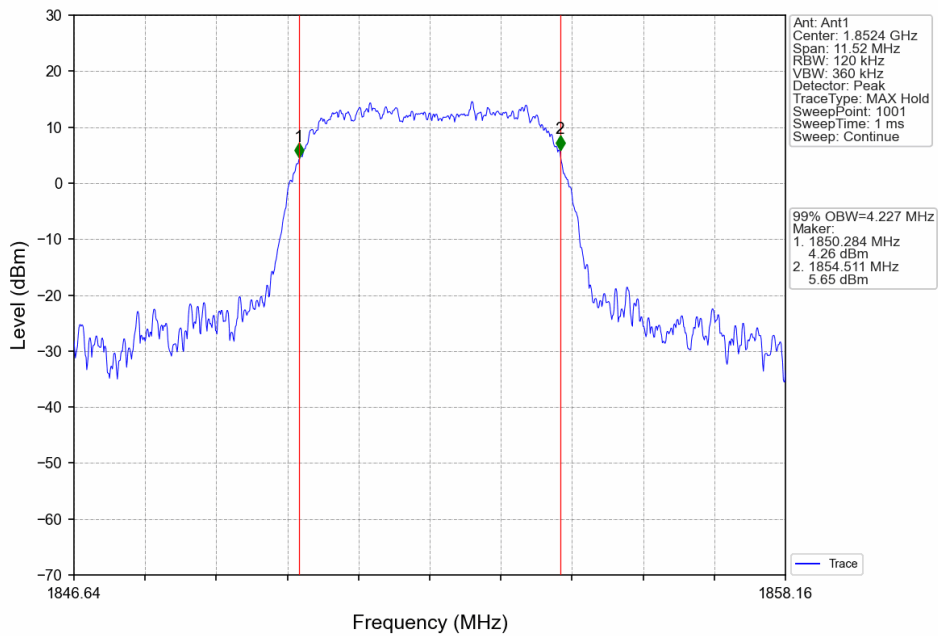
4.1.2 Test Graph



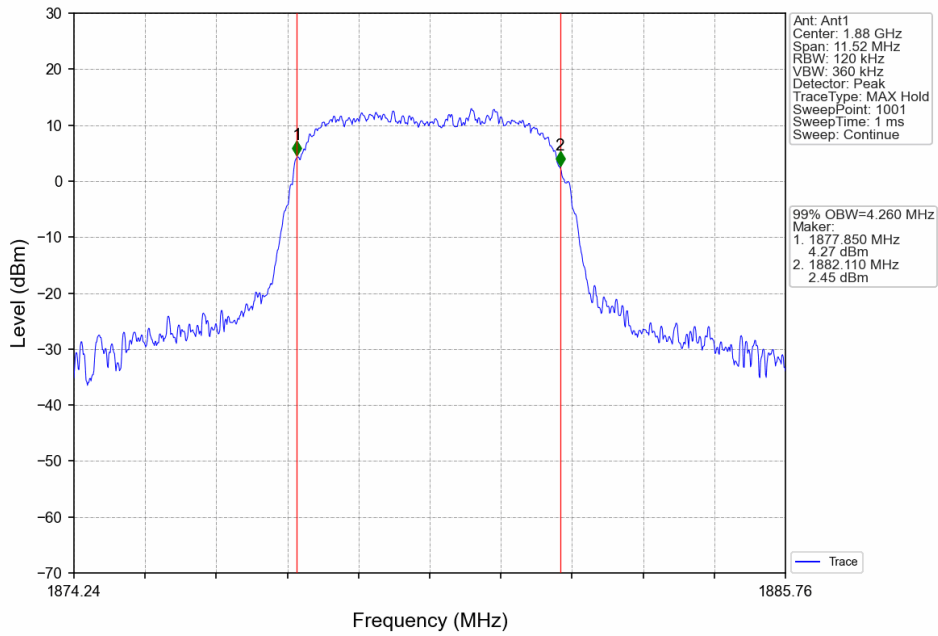
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



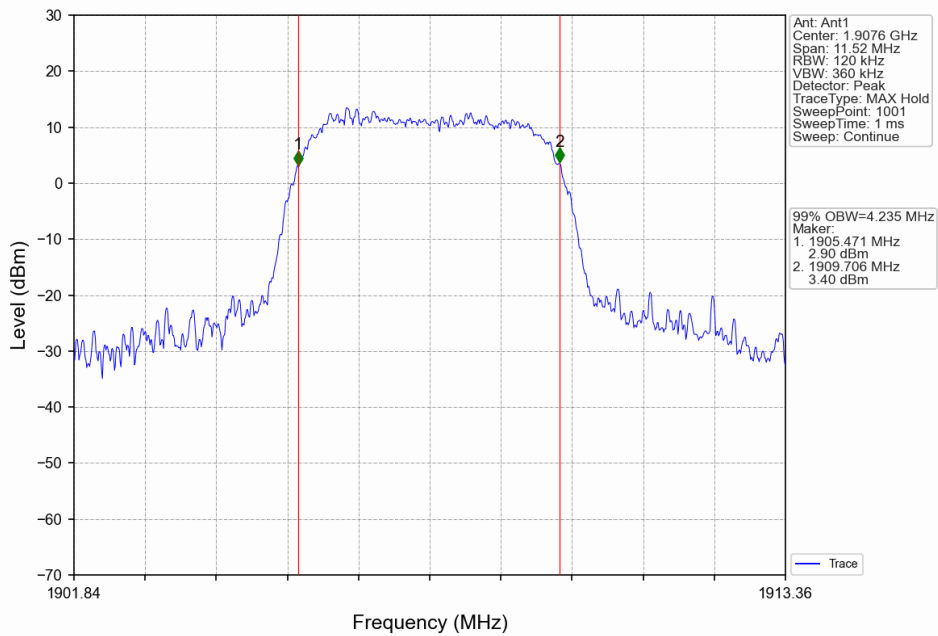
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



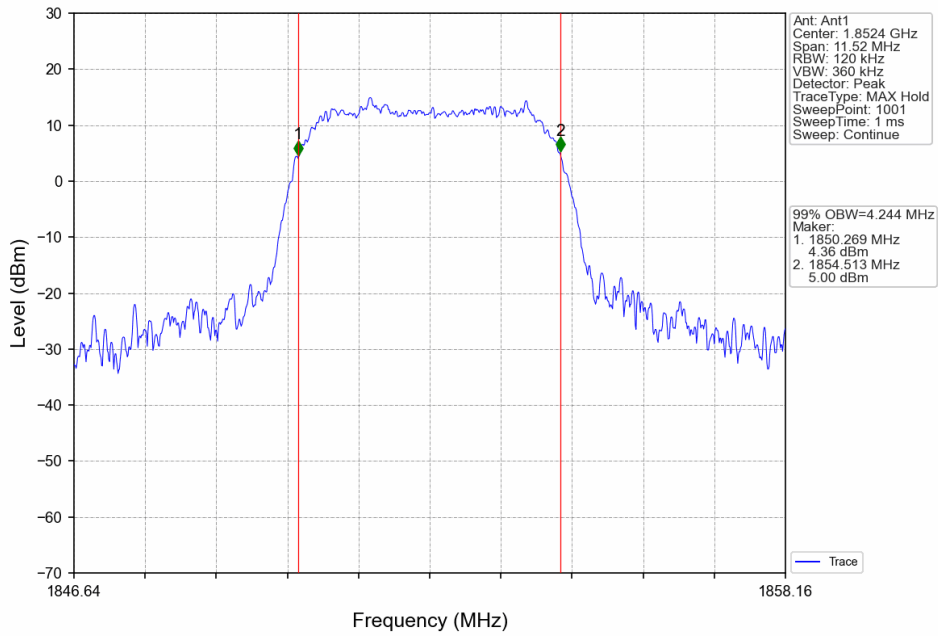
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



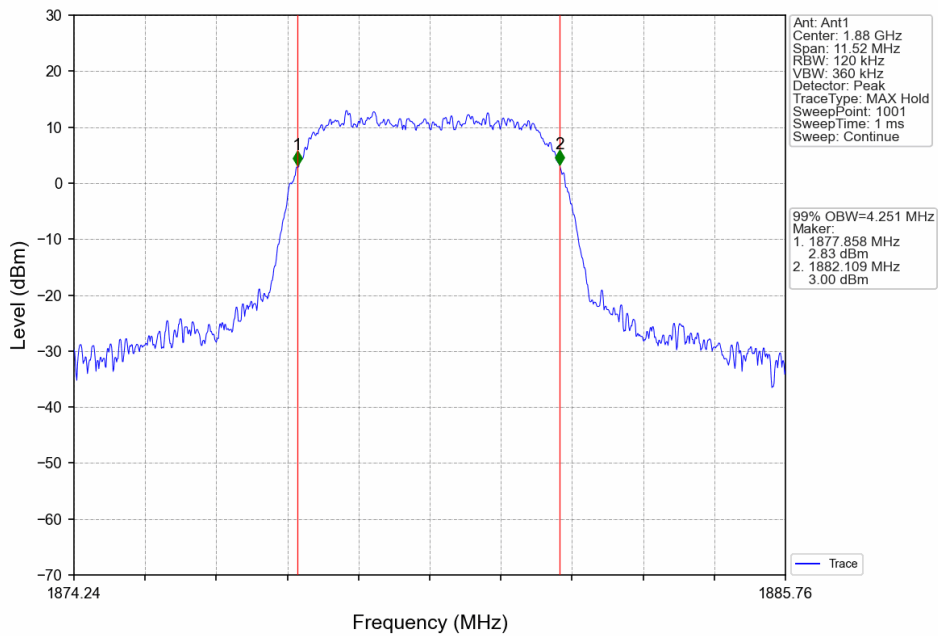
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



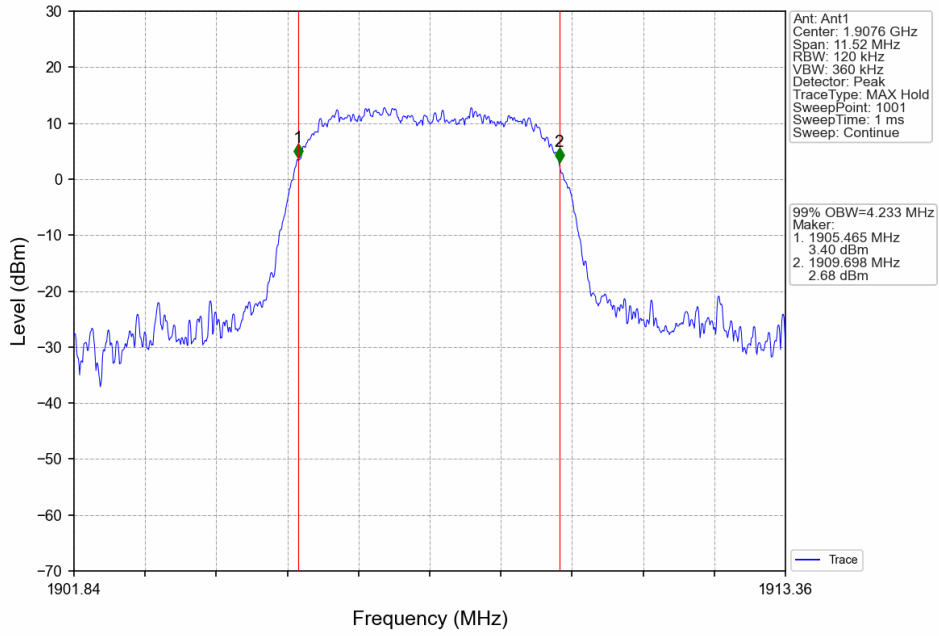
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV

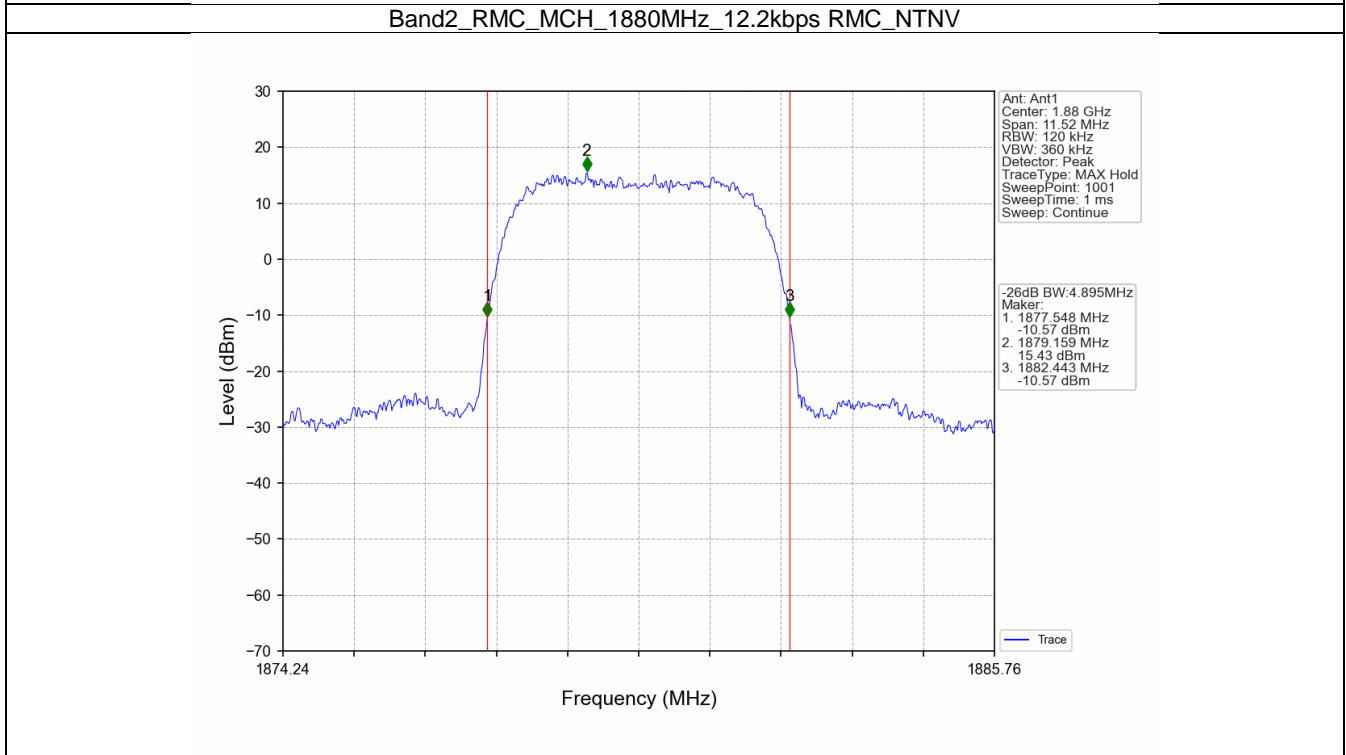
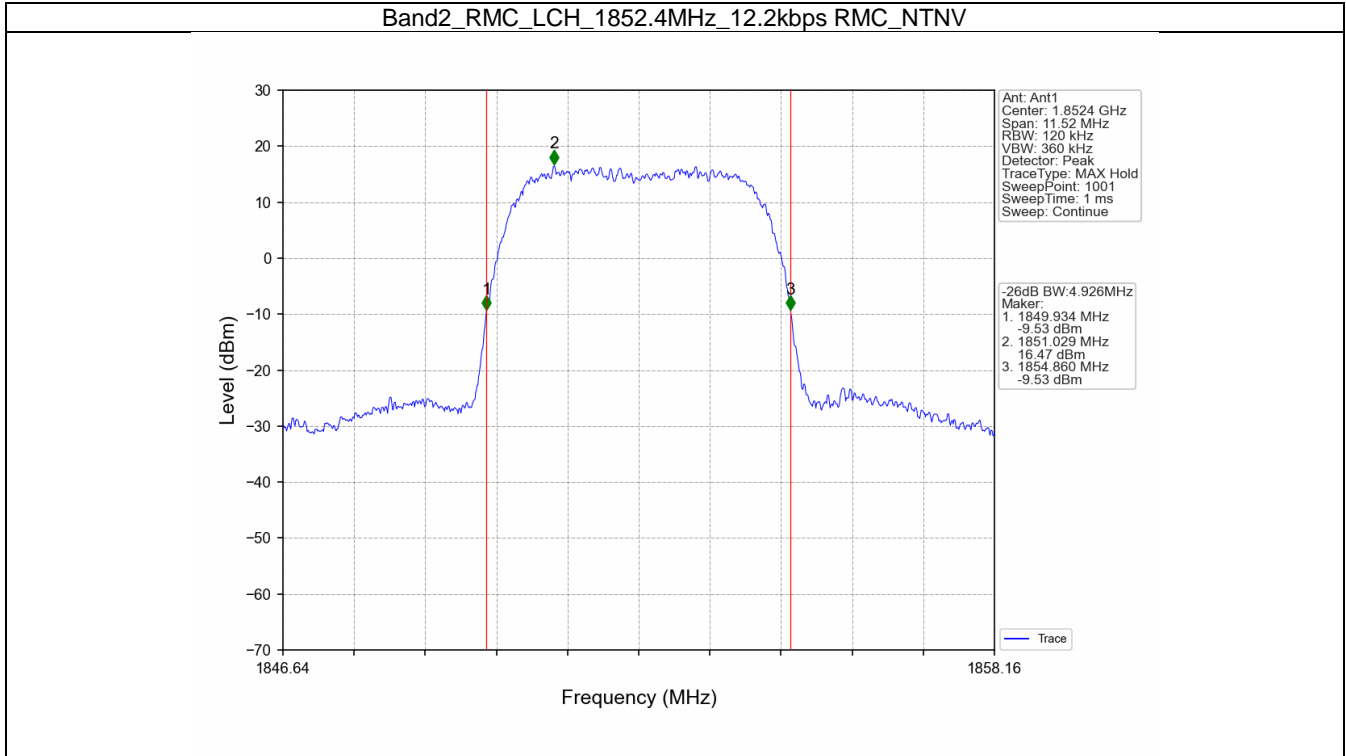


4.2 Band2_XDB

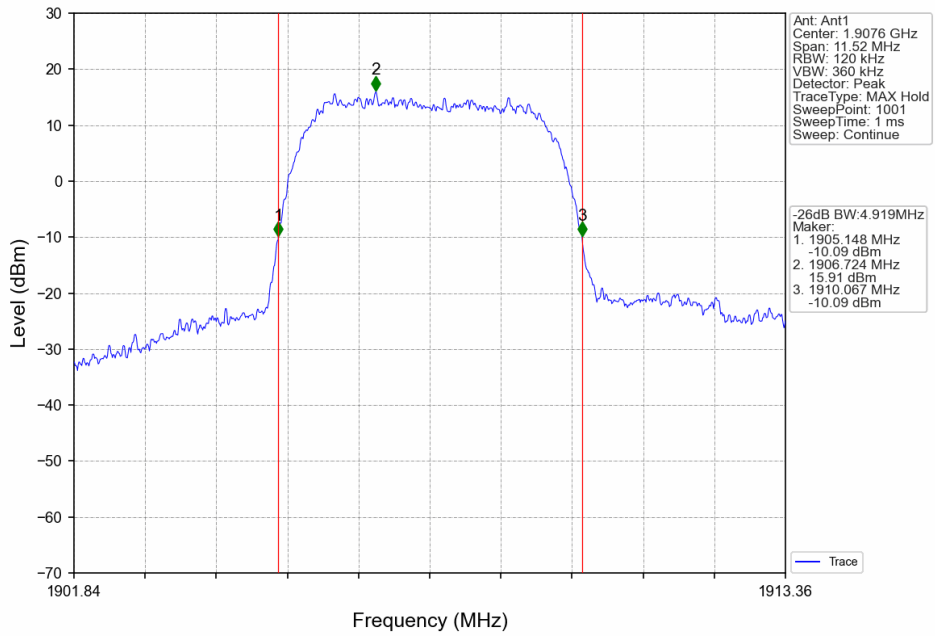
4.2.1 Test Result

Band: 2					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	RMC	12.2kbps RMC	1852.4	4.926	Pass
			1880	4.895	Pass
			1907.6	4.919	Pass
	HSDPA	Subtest 1	1852.4	4.896	Pass
			1880	4.938	Pass
			1907.6	4.923	Pass
	HSUPA	Subtest 1	1852.4	4.910	Pass
			1880	4.939	Pass
			1907.6	4.947	Pass

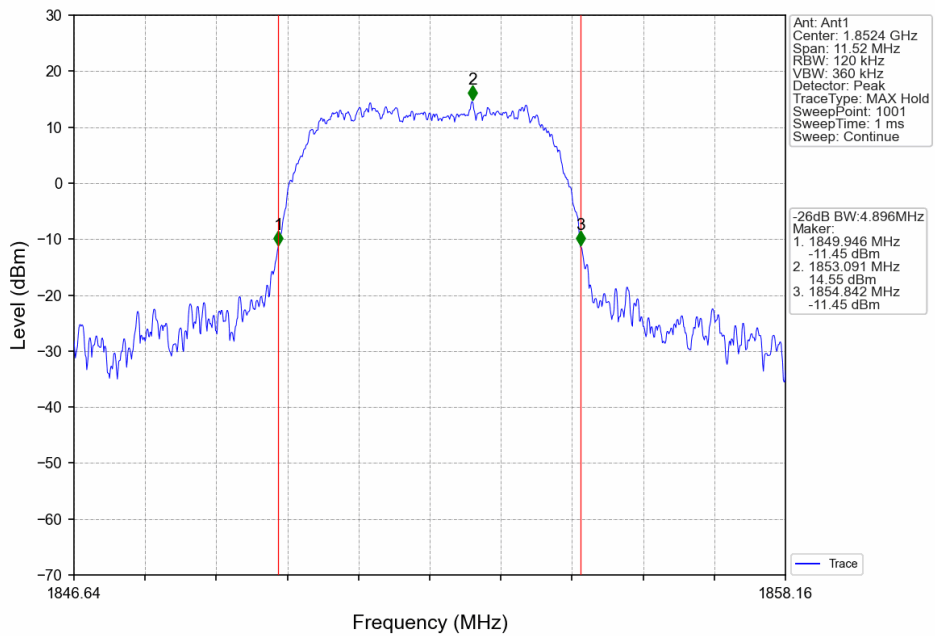
4.2.2 Test Graph



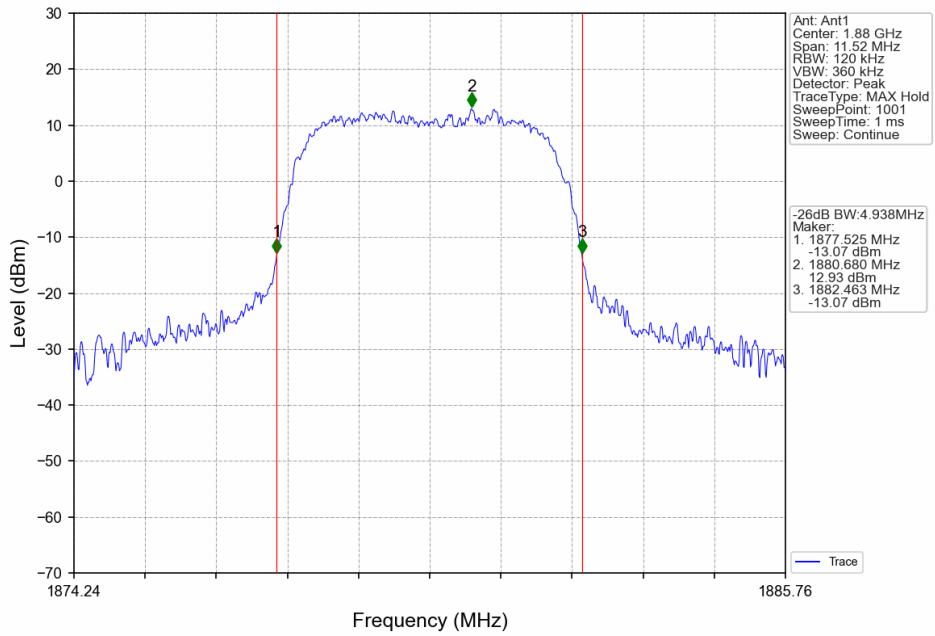
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



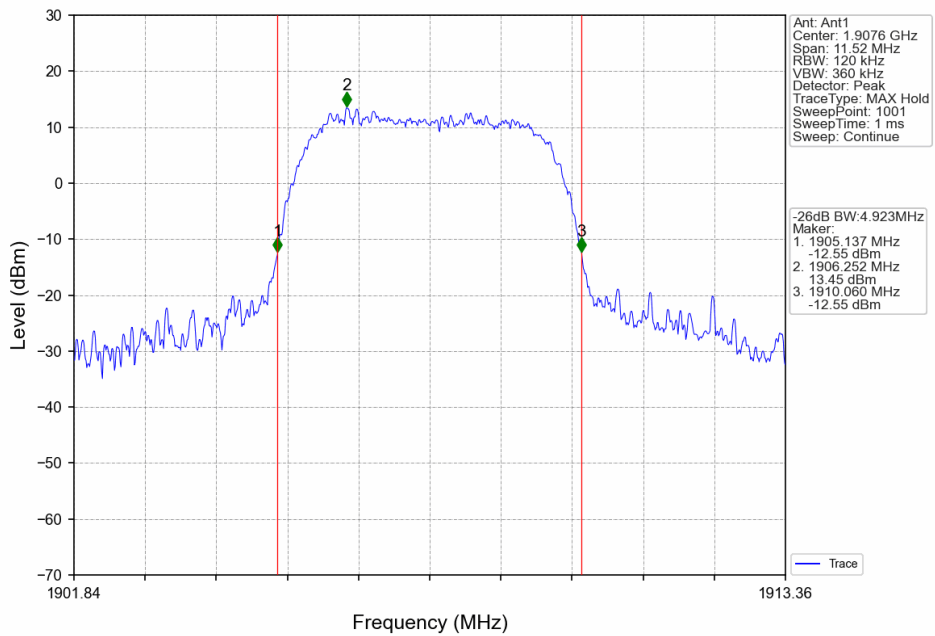
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



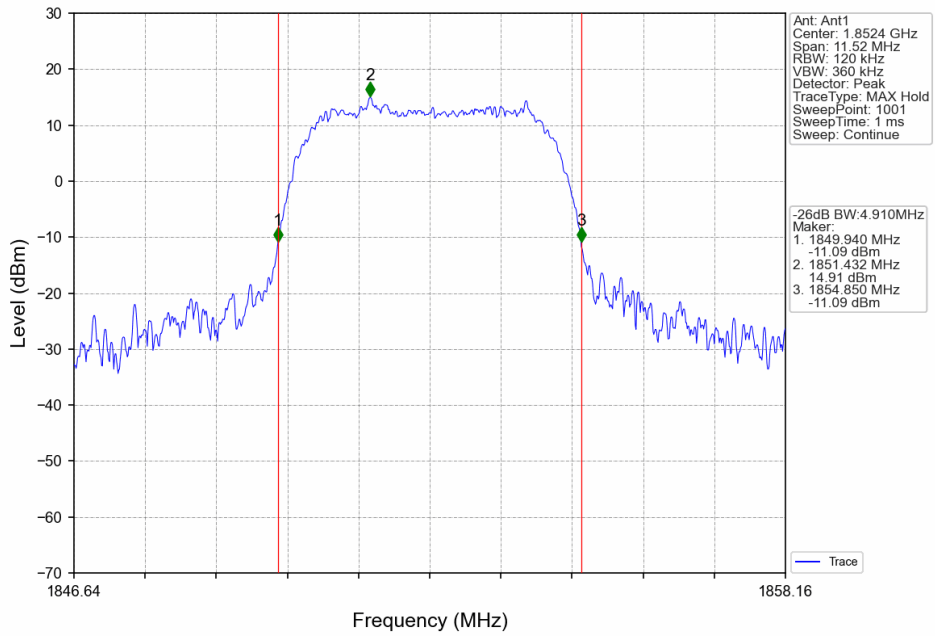
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



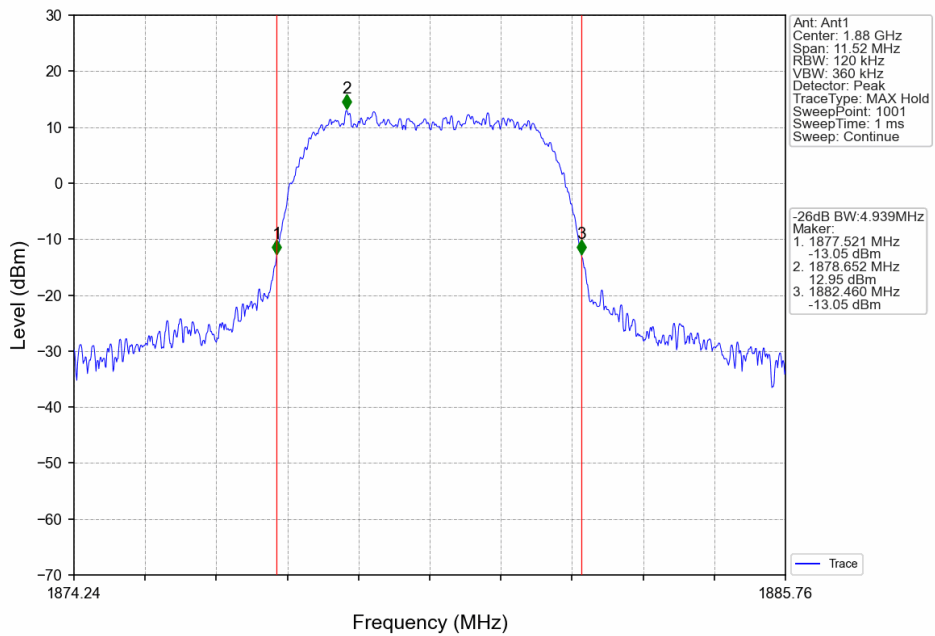
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



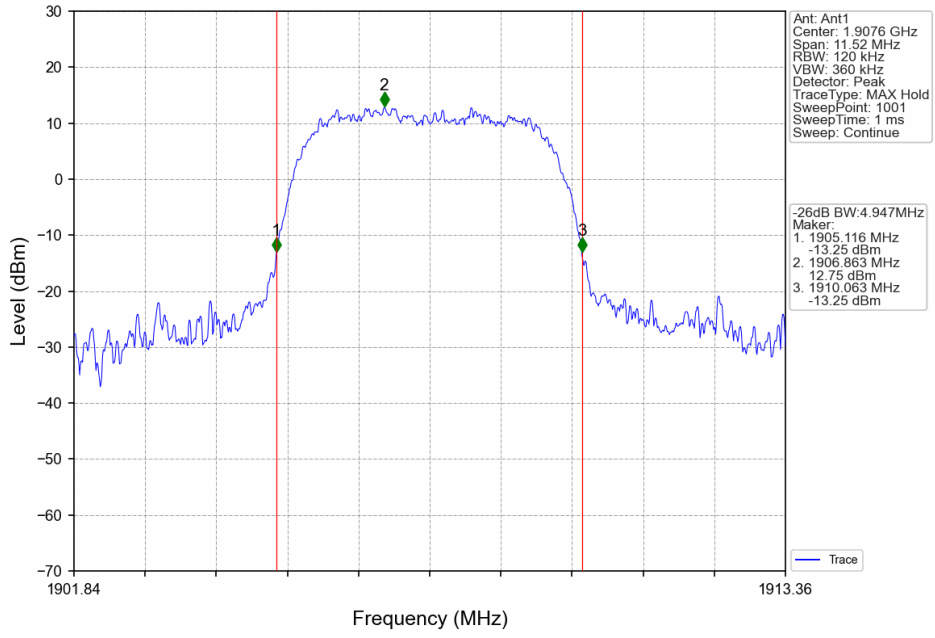
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



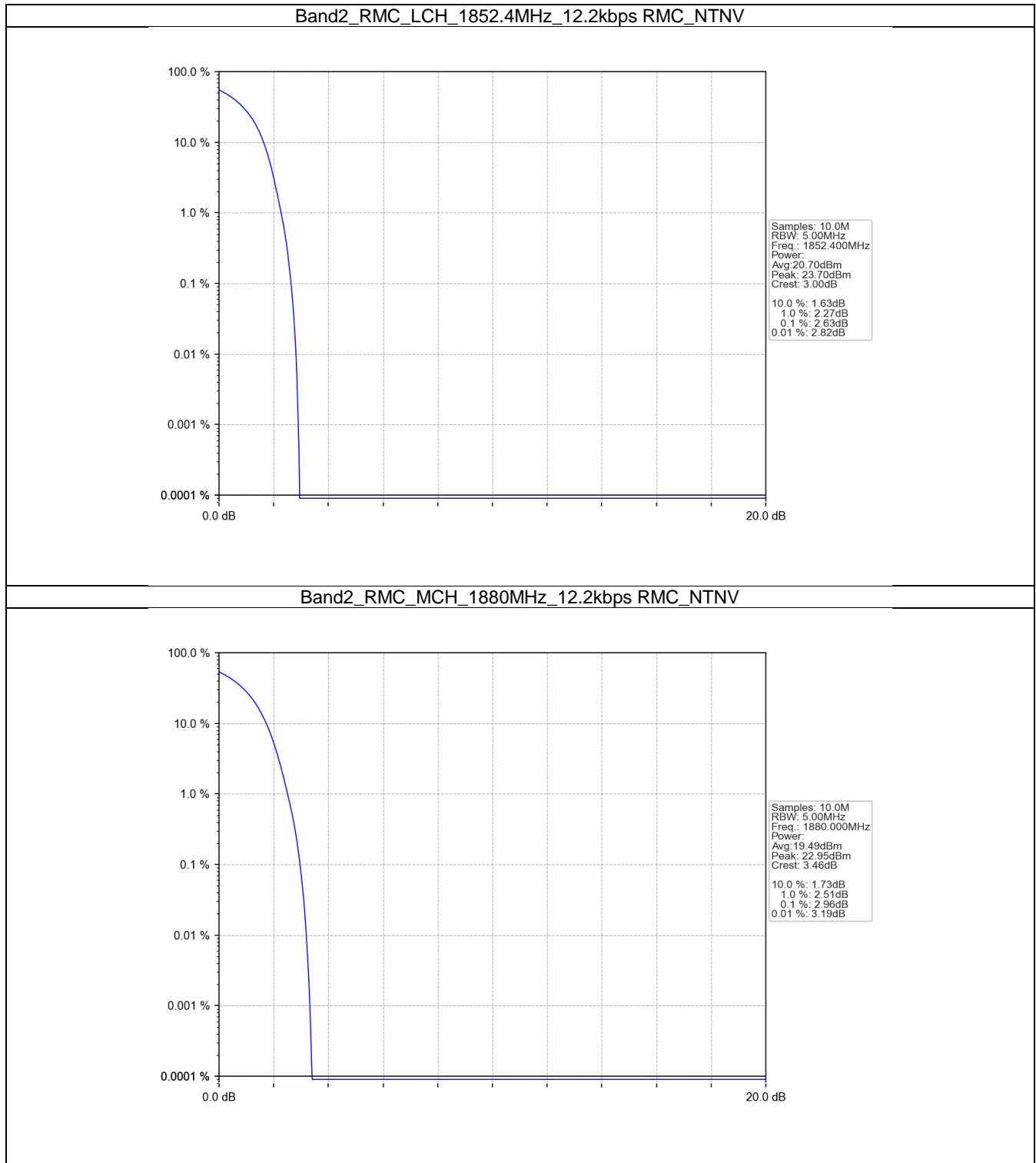
5. Peak-Average Ratio

5.1 Band2

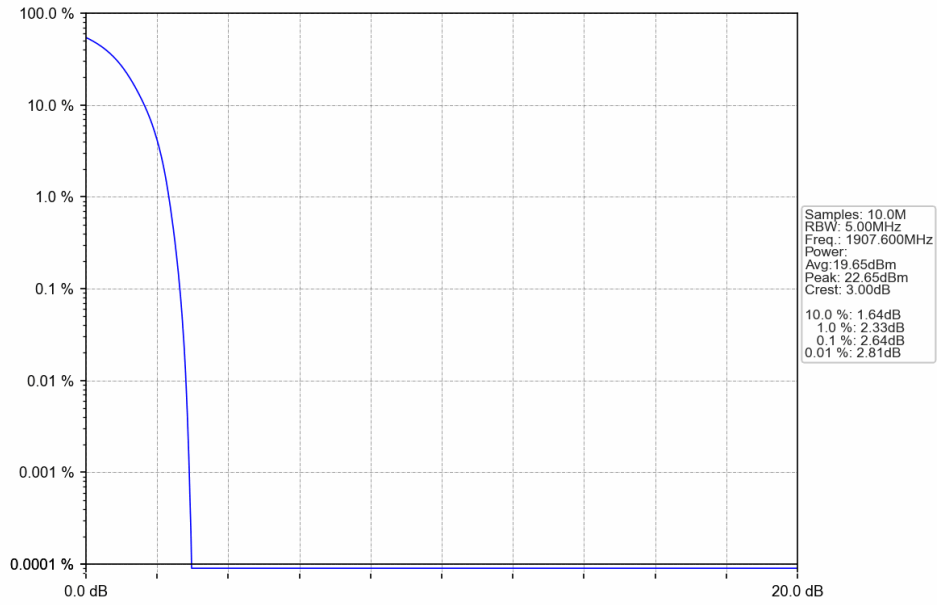
5.1.1 Test Result

Band: 2						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1852.4	2.63	<=13	Pass
			1880	2.96	<=13	Pass
			1907.6	2.64	<=13	Pass
	HSDPA	Subtest 1	1852.4	5.86	<=13	Pass
			1880	6.01	<=13	Pass
			1907.6	6.08	<=13	Pass
	HSUPA	Subtest 1	1852.4	6.00	<=13	Pass
			1880	6.05	<=13	Pass
			1907.6	6.12	<=13	Pass

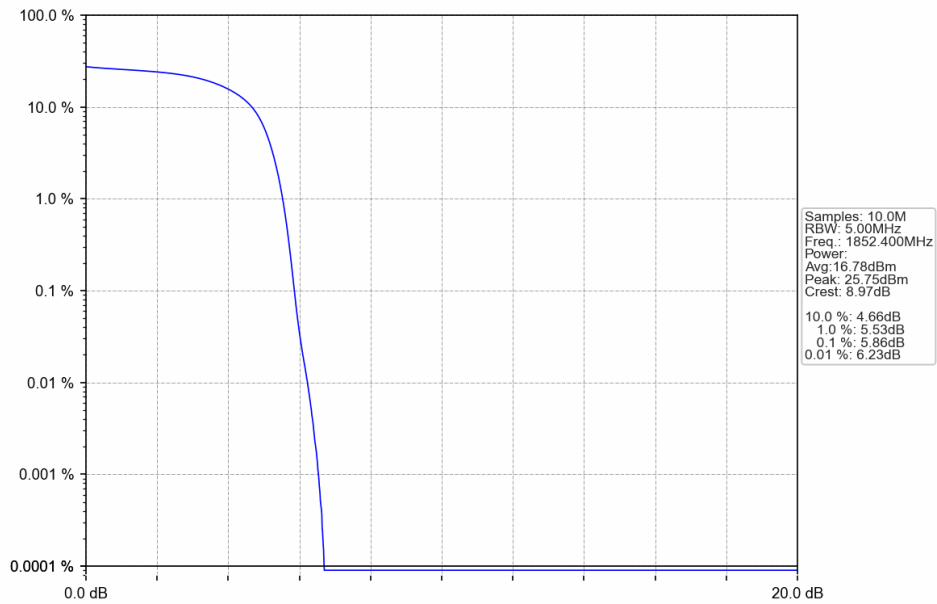
5.1.2 Test Graph



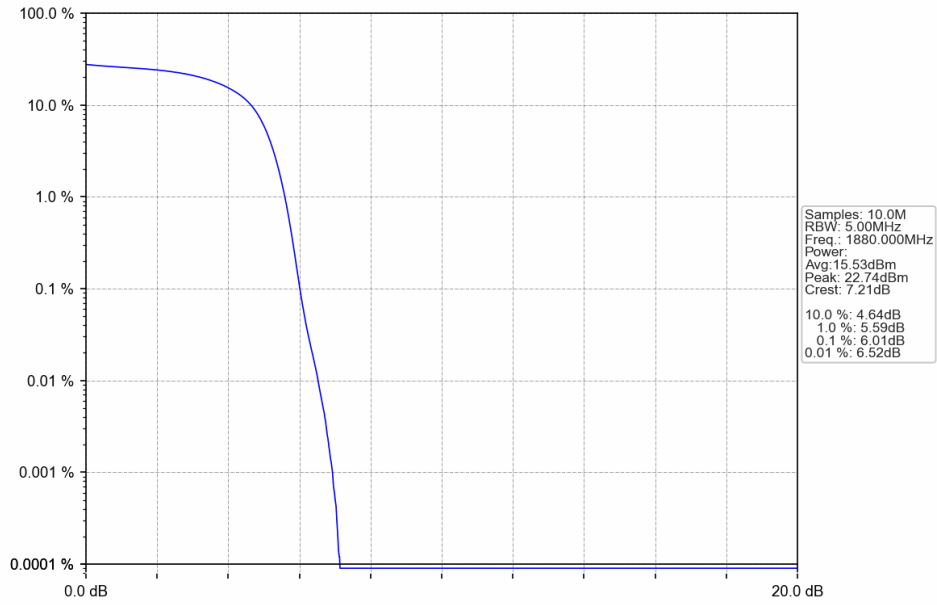
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



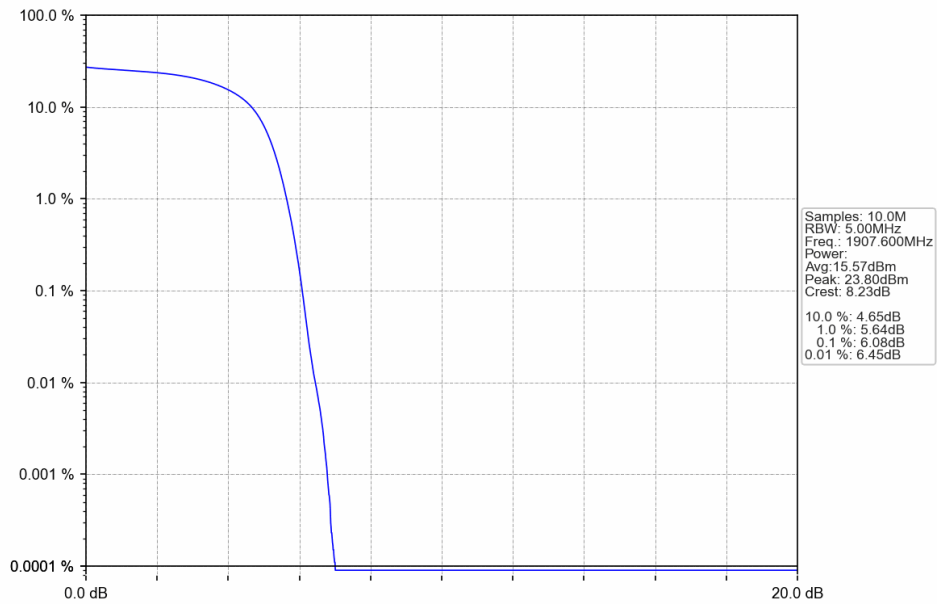
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



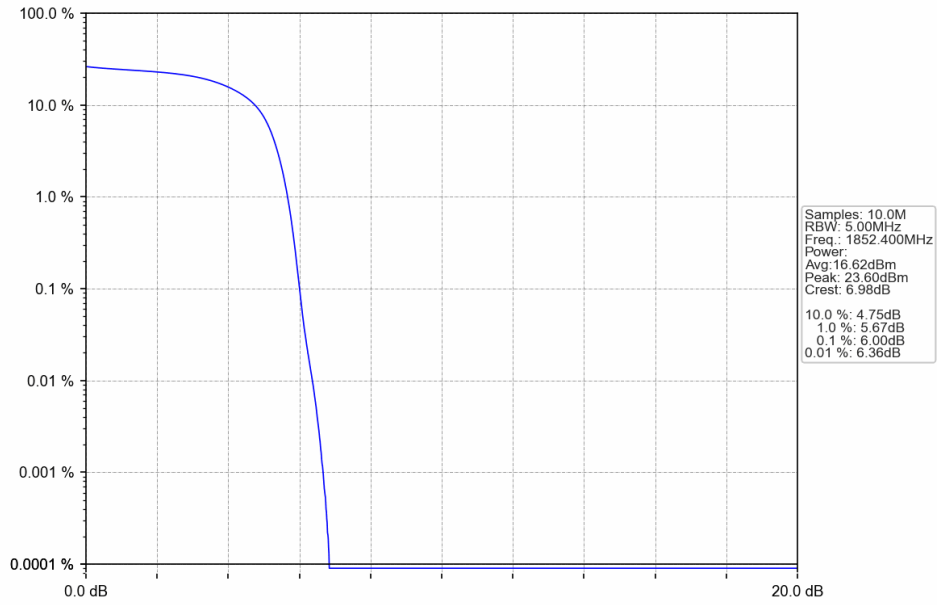
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



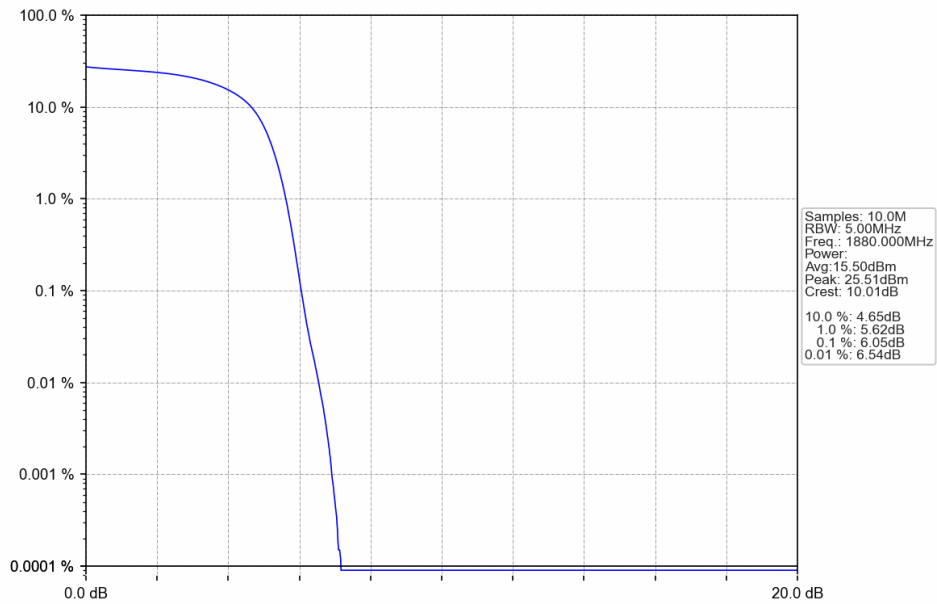
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



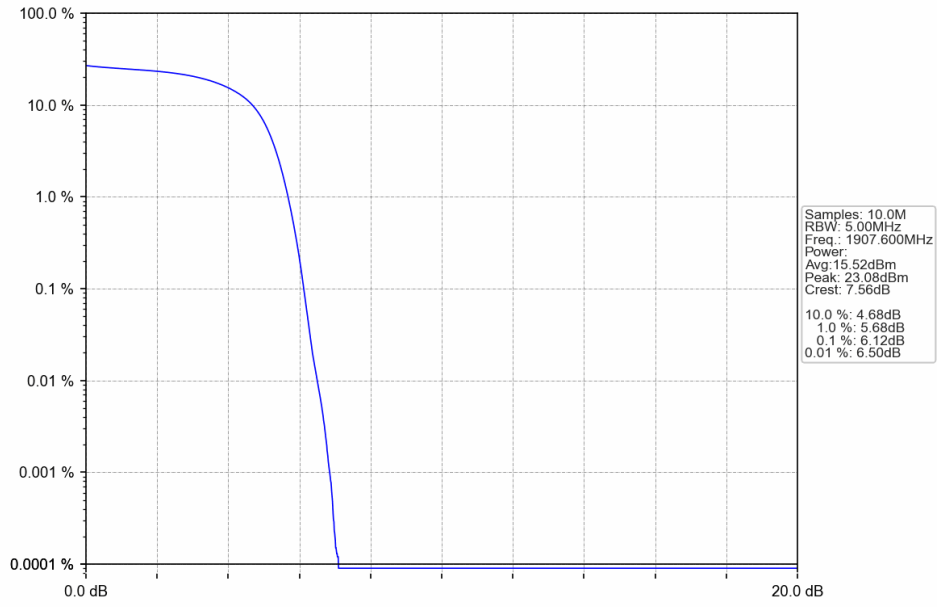
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



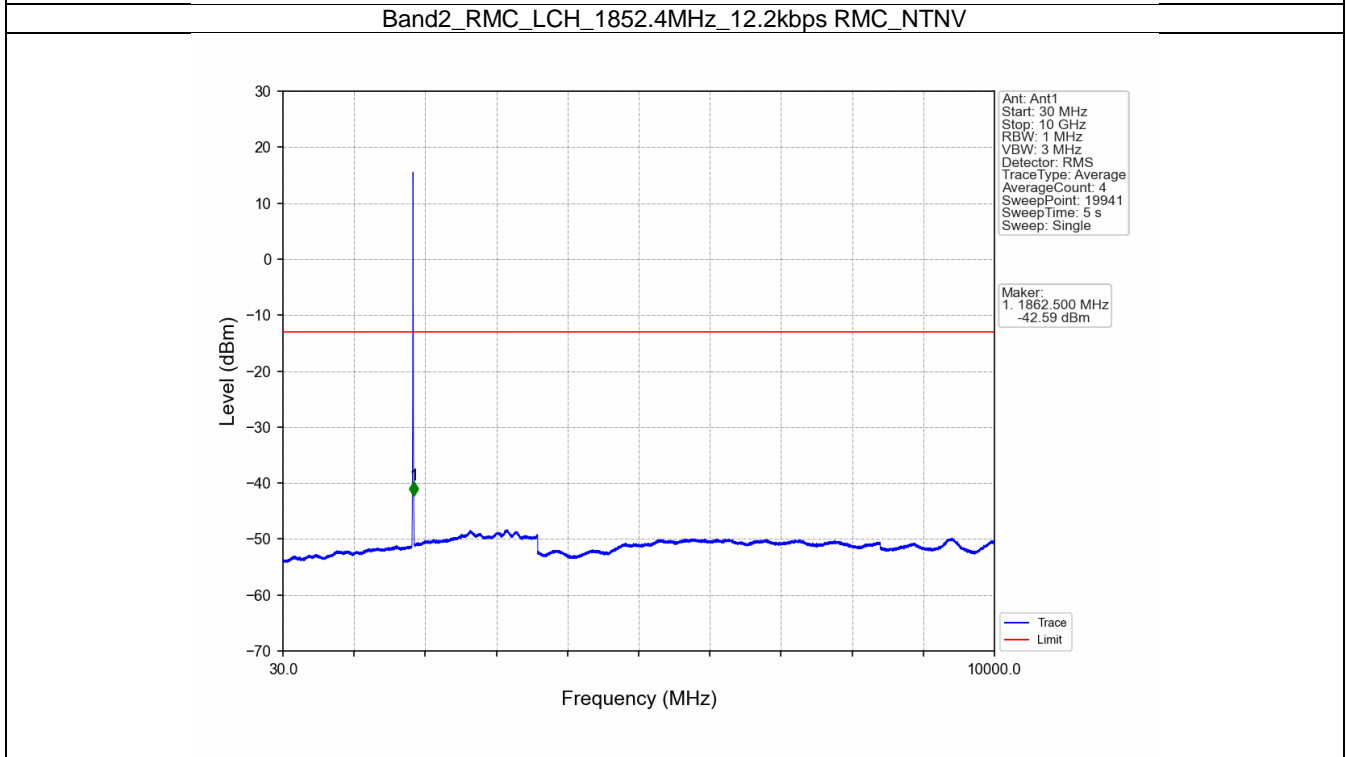
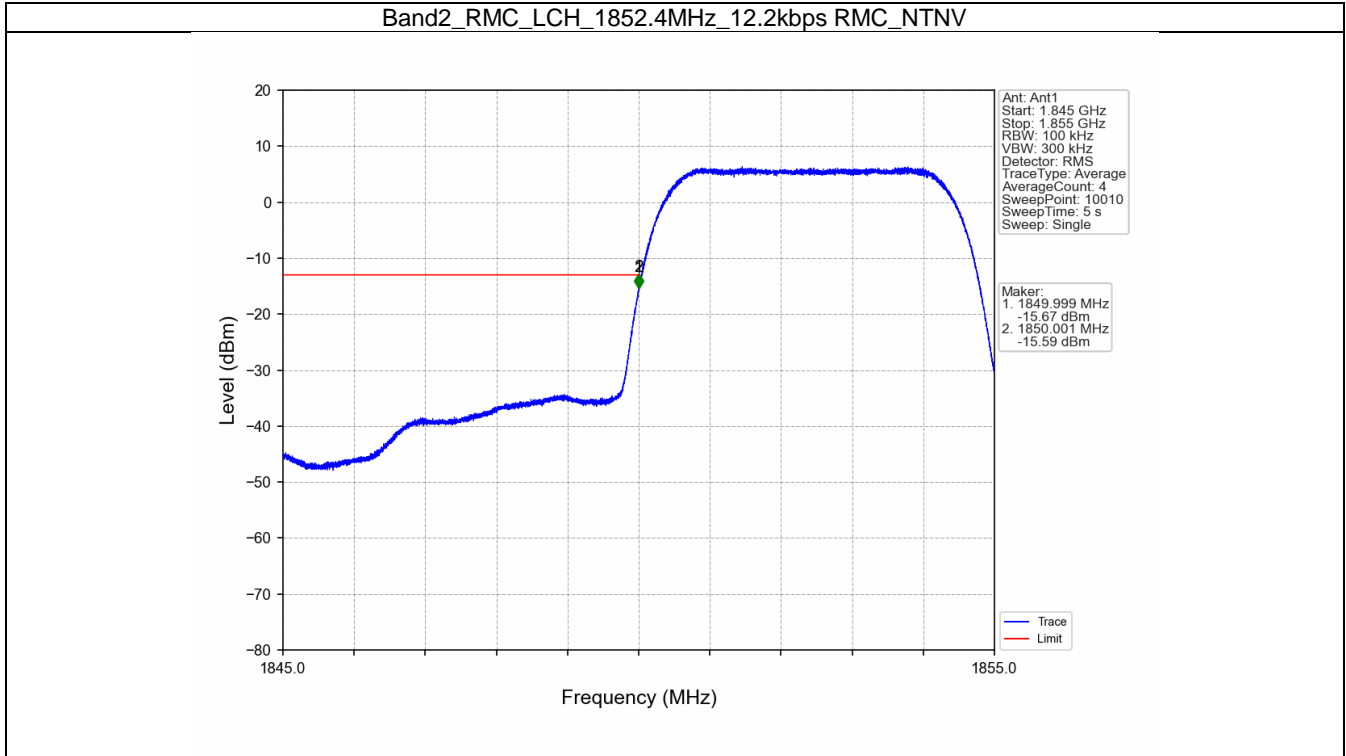
6. Spurious Emission

6.1 Band2

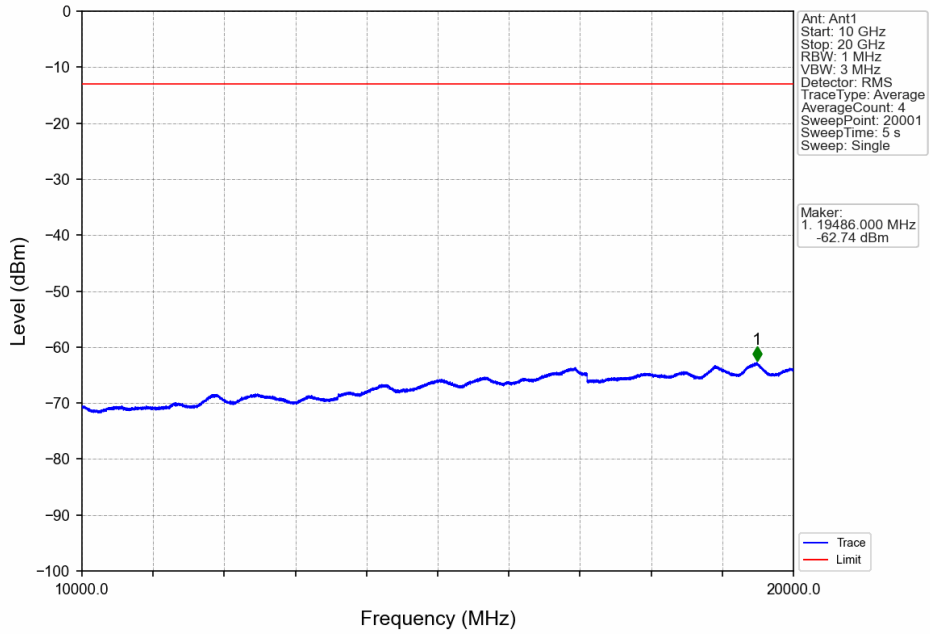
6.1.1 Test Result

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

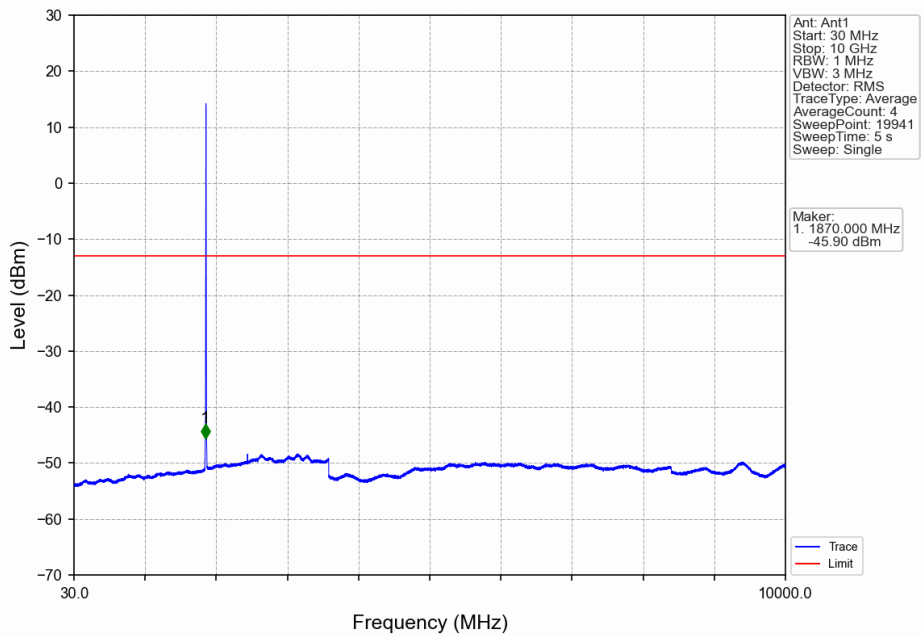
6.1.2 Test Graph



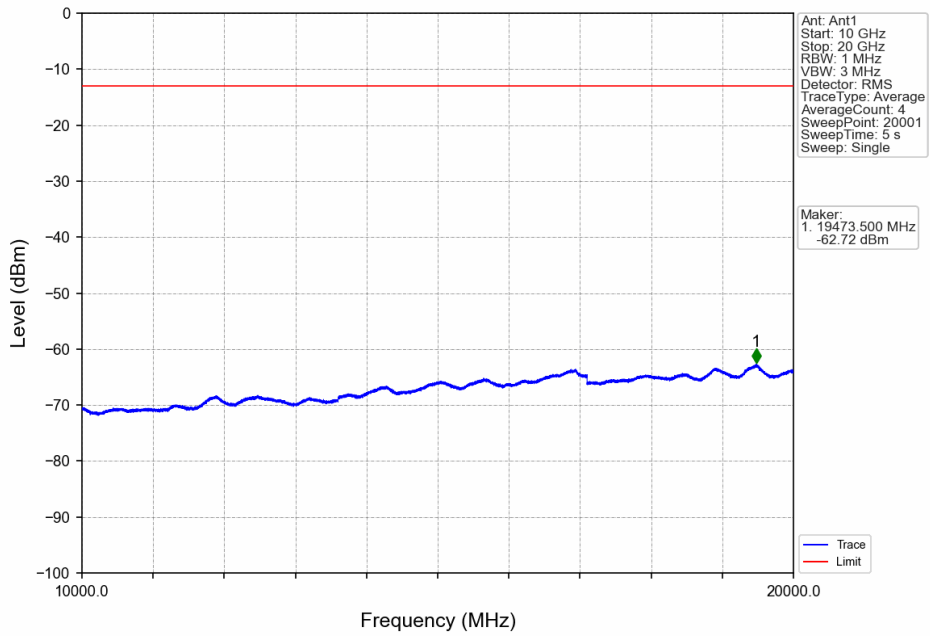
Band2_RMC_LCH_1852.4MHz_12.2kbps RMC_NTNV



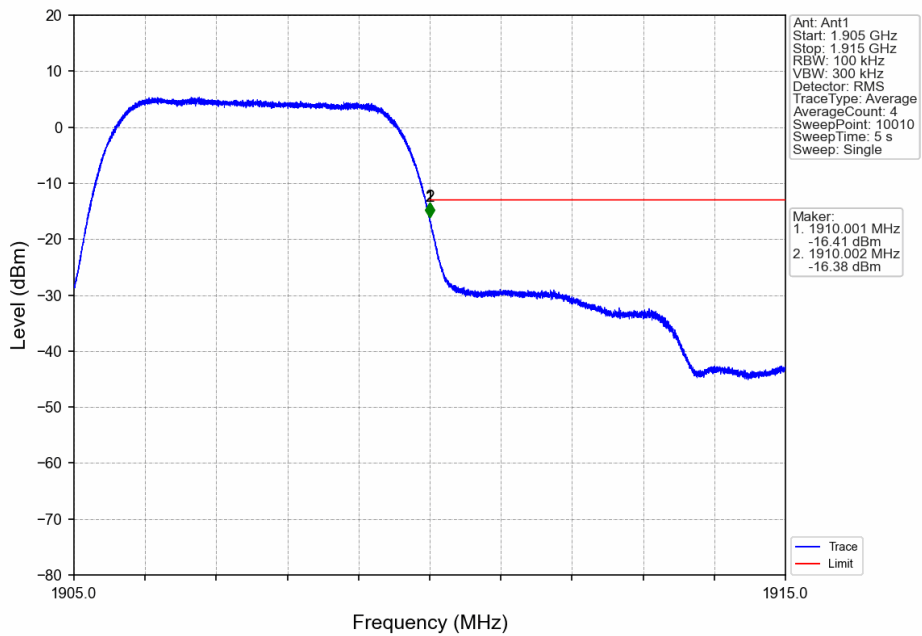
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



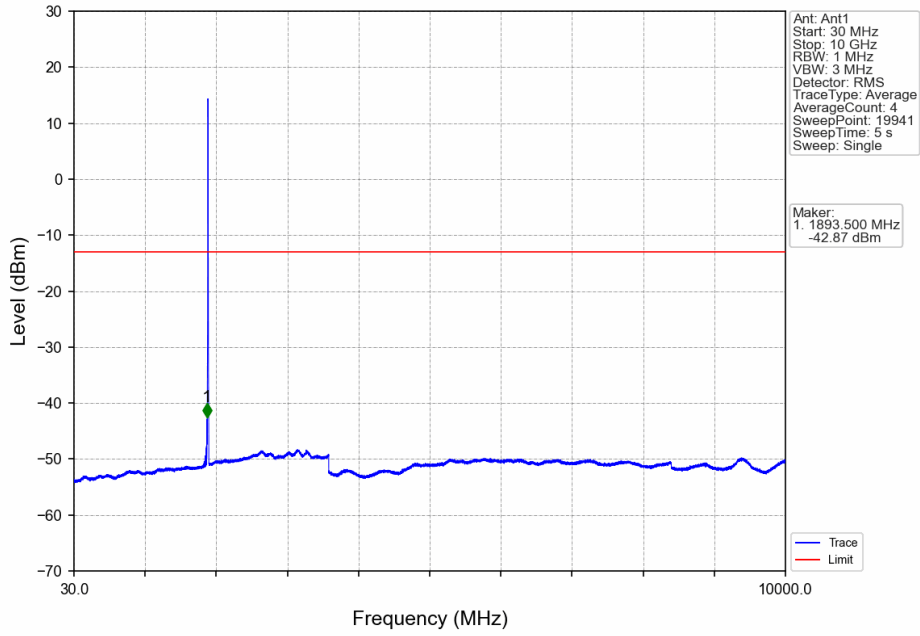
Band2_RMC_MCH_1880MHz_12.2kbps RMC_NTNV



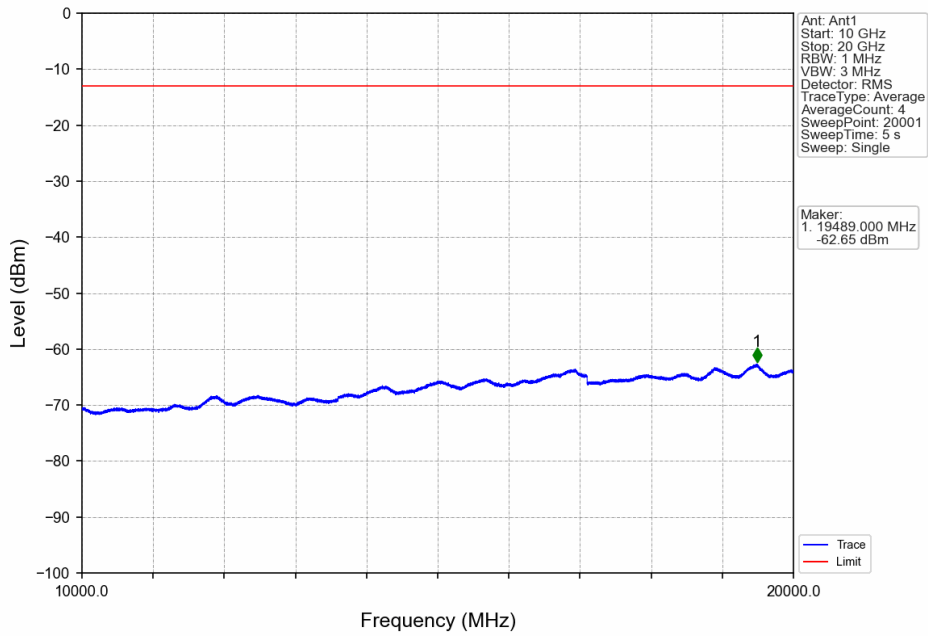
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



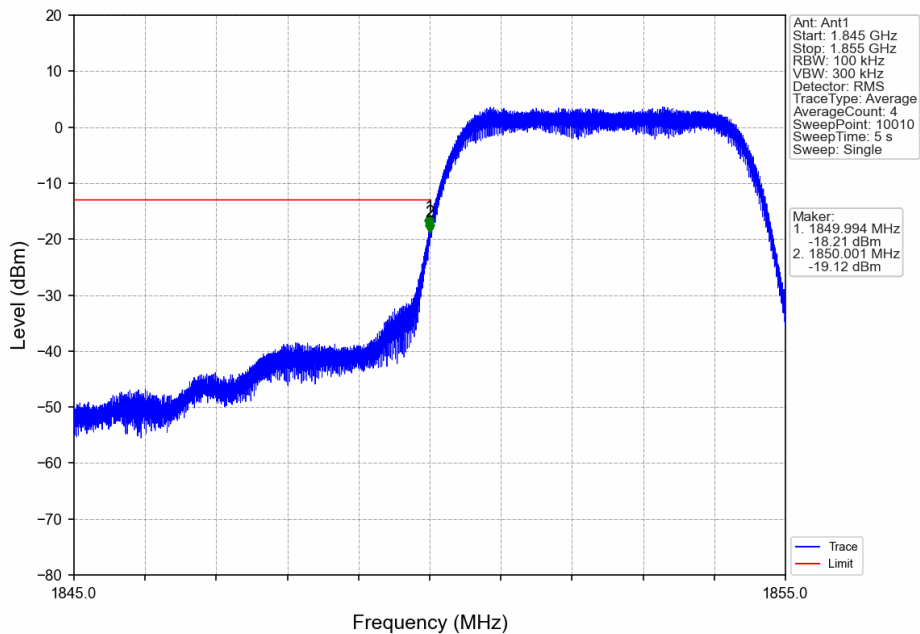
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



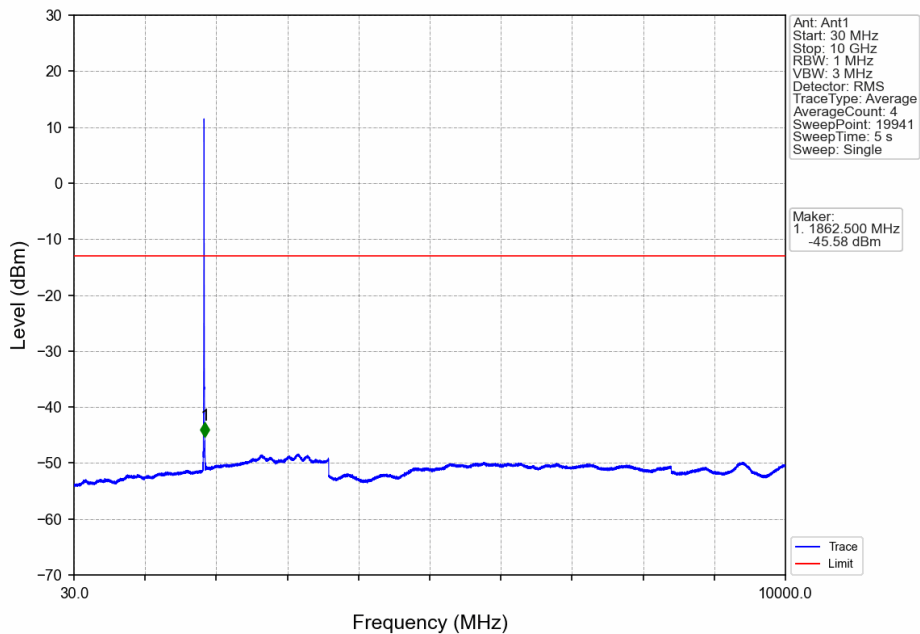
Band2_RMC_HCH_1907.6MHz_12.2kbps RMC_NTNV



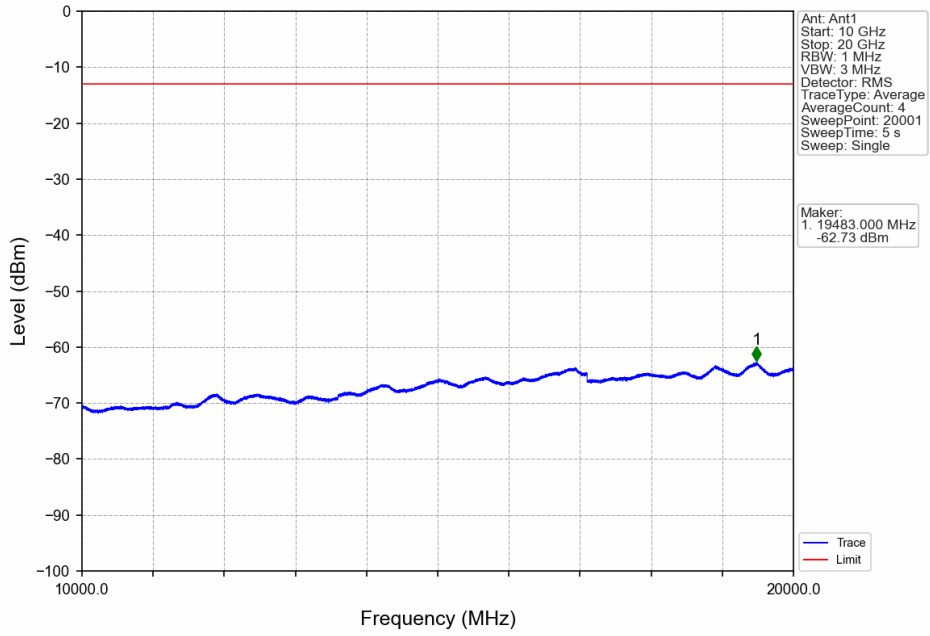
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



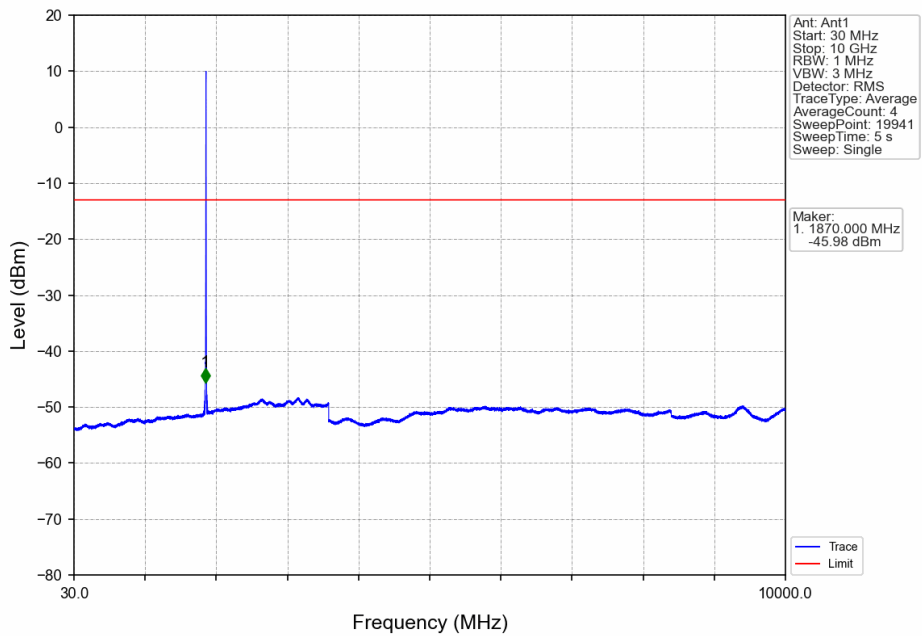
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



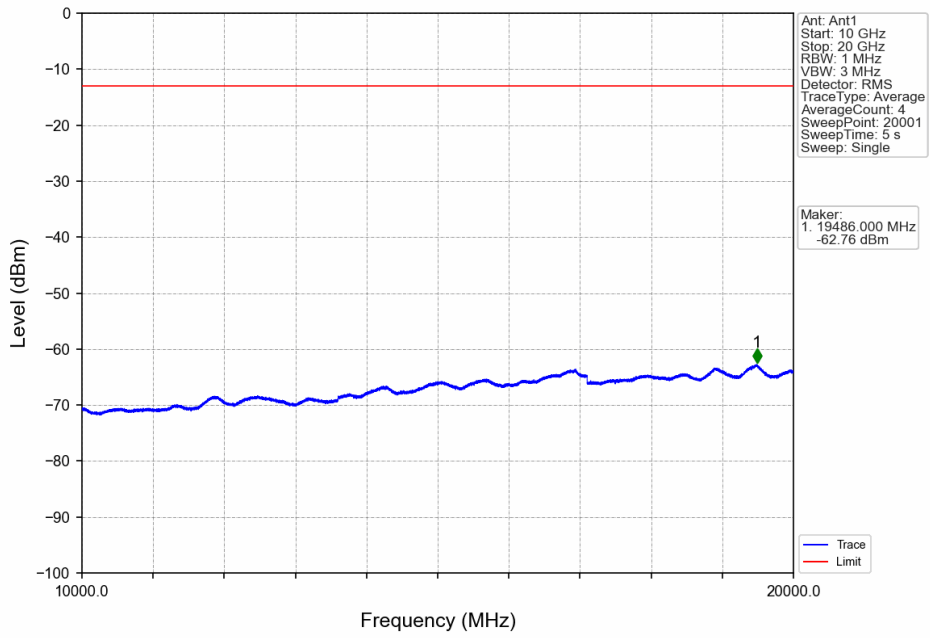
Band2_HSDPA_LCH_1852.4MHz_Subtest 1_NTNV



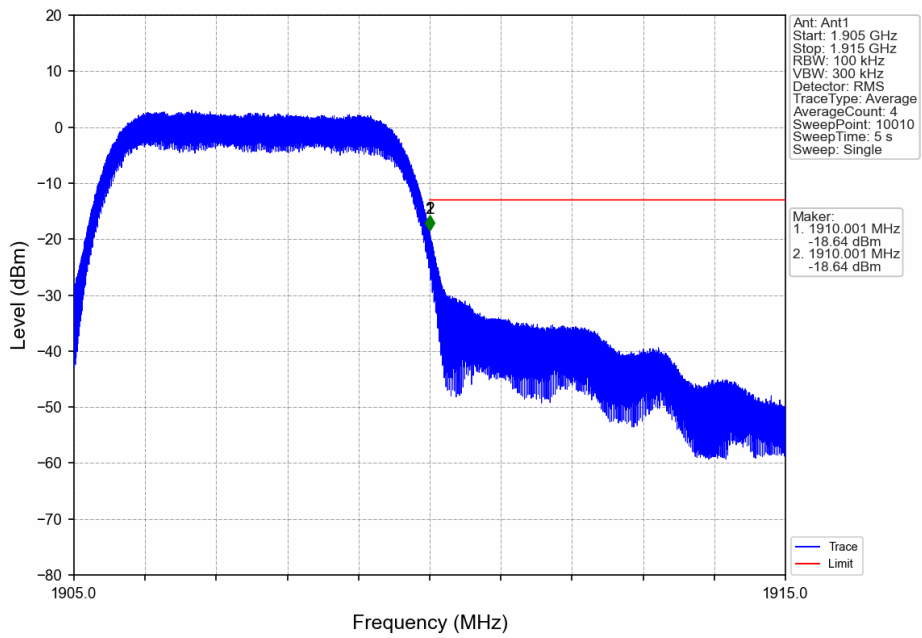
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



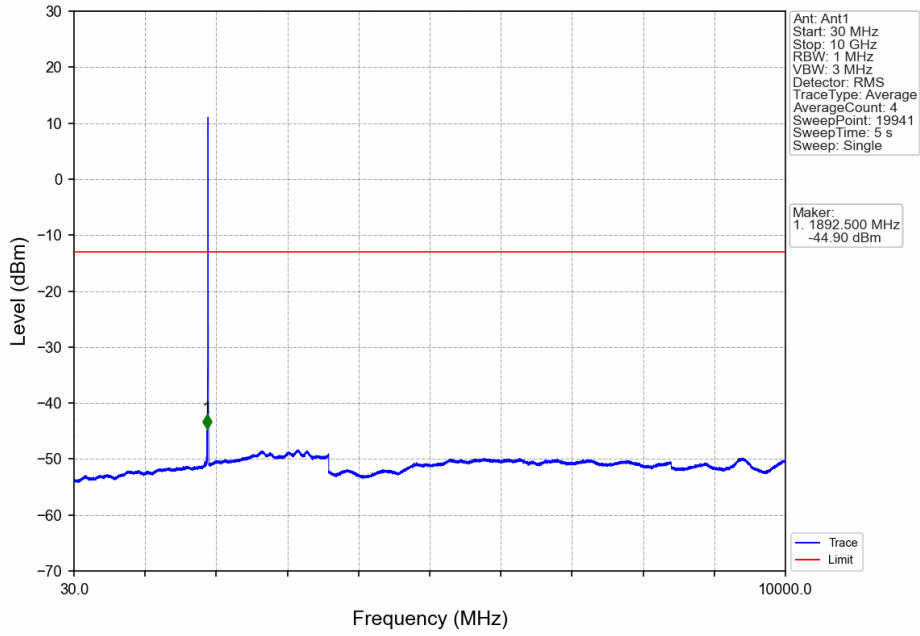
Band2_HSDPA_MCH_1880MHz_Subtest 1_NTNV



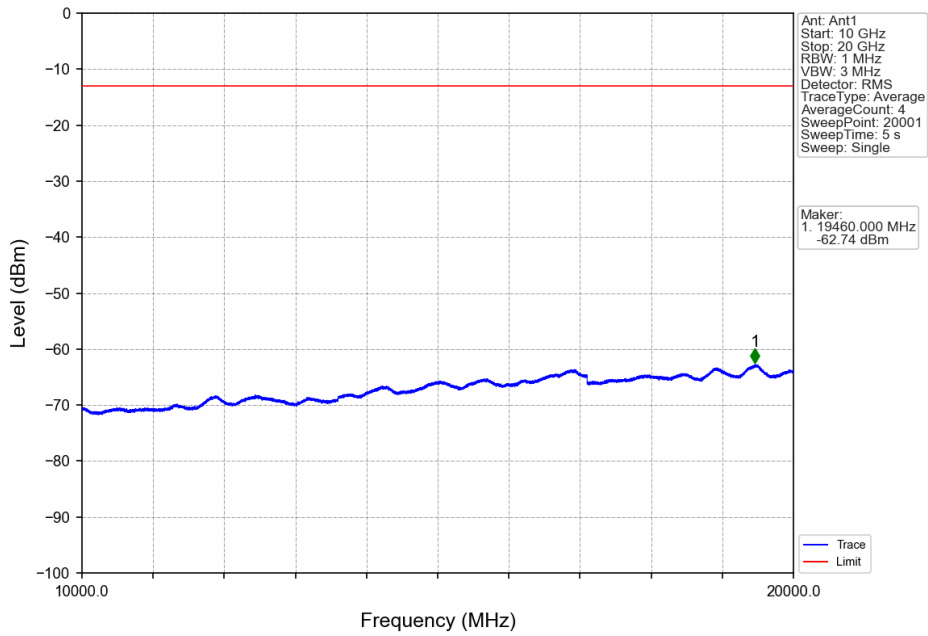
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



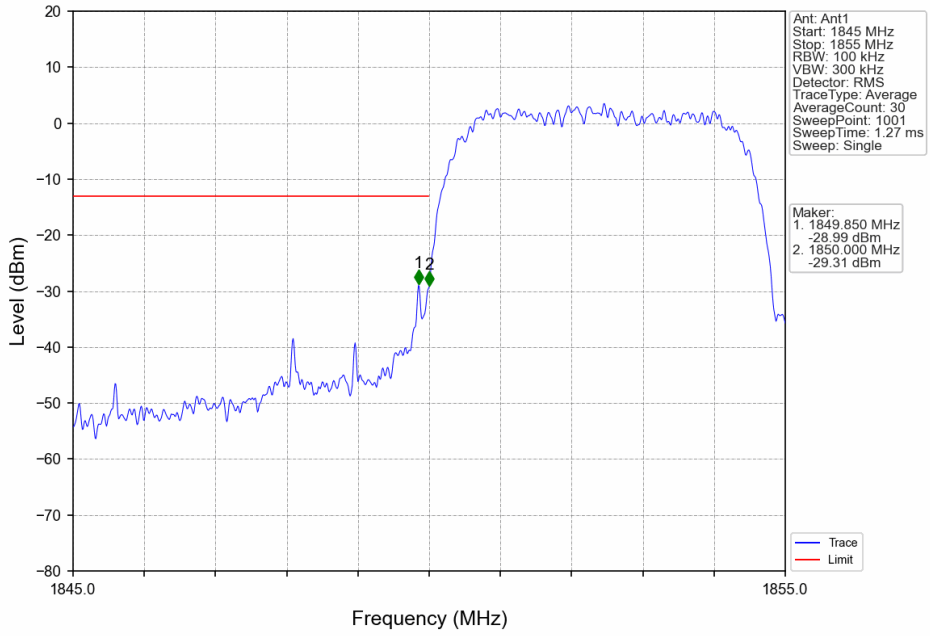
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



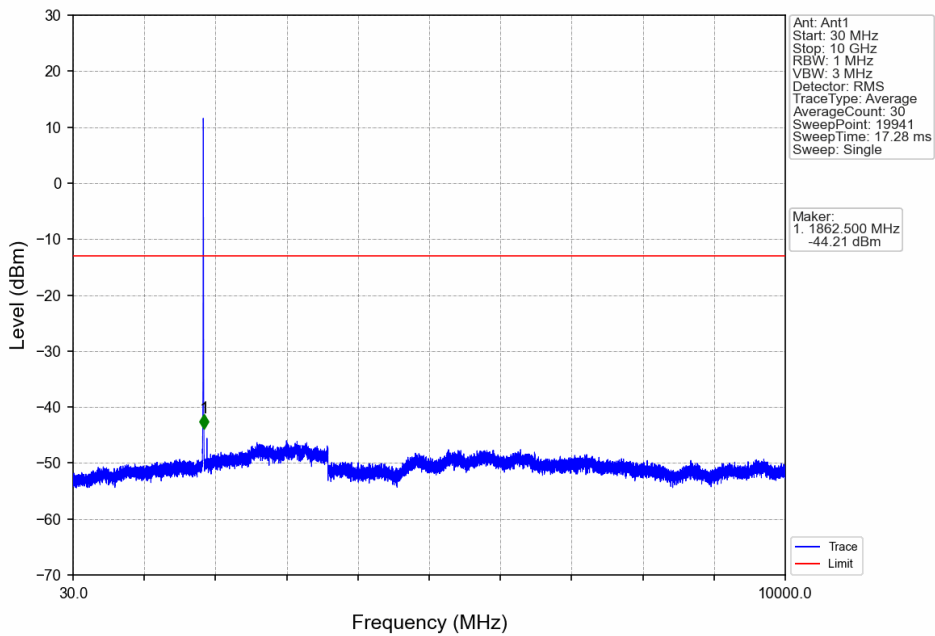
Band2_HSDPA_HCH_1907.6MHz_Subtest 1_NTNV



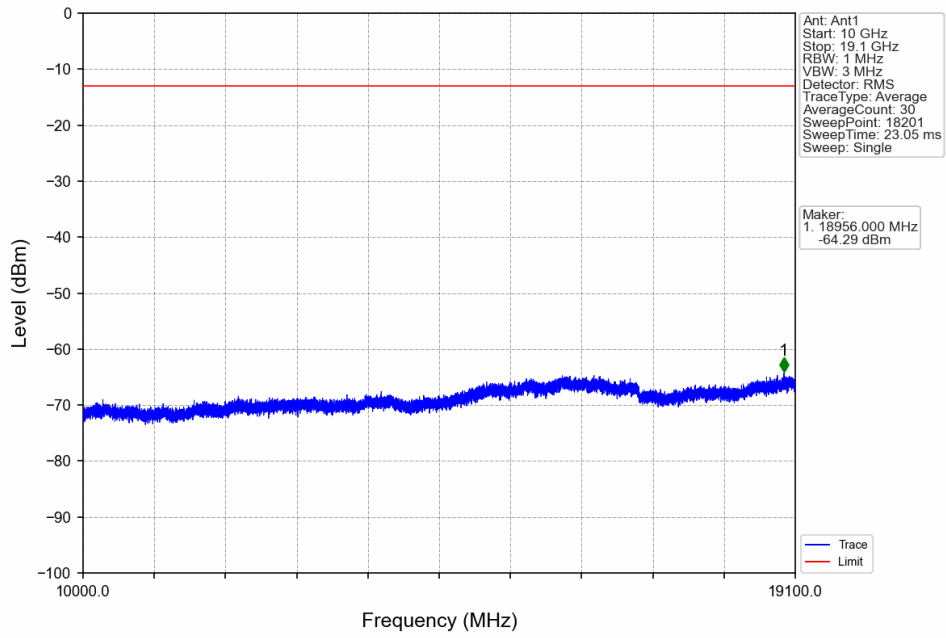
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



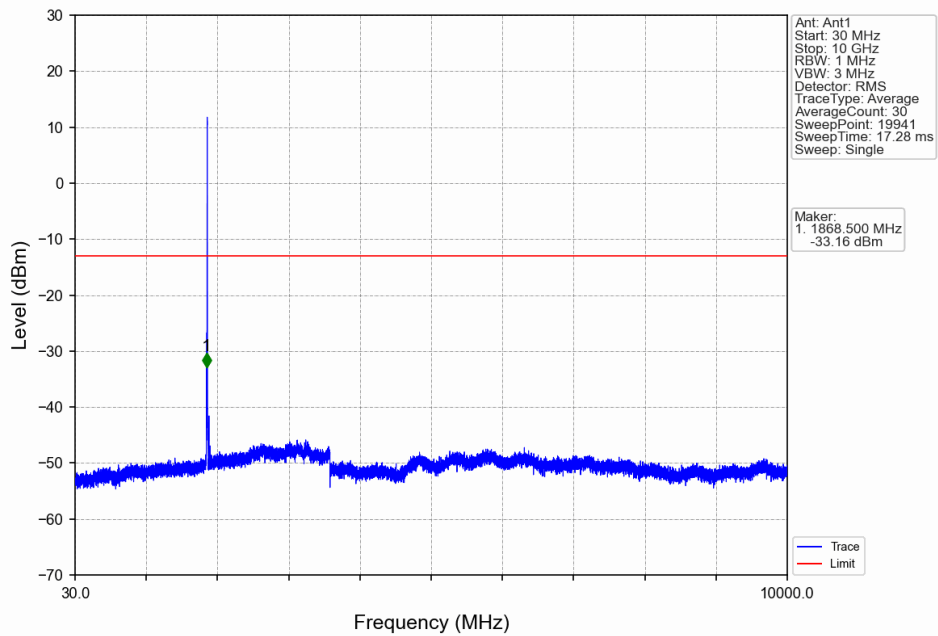
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



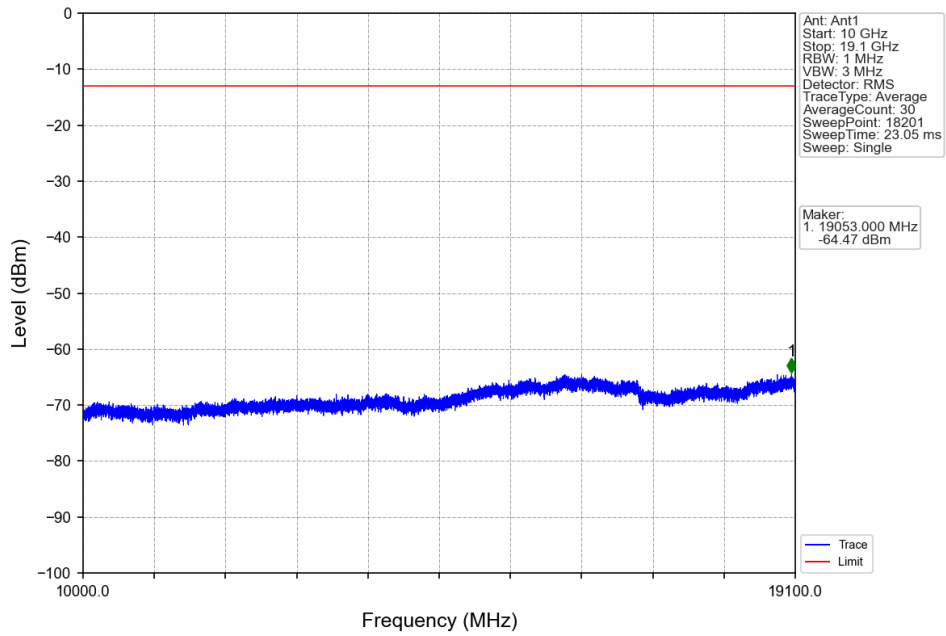
Band2_HSUPA_LCH_1852.4MHz_Subtest 1_NTNV



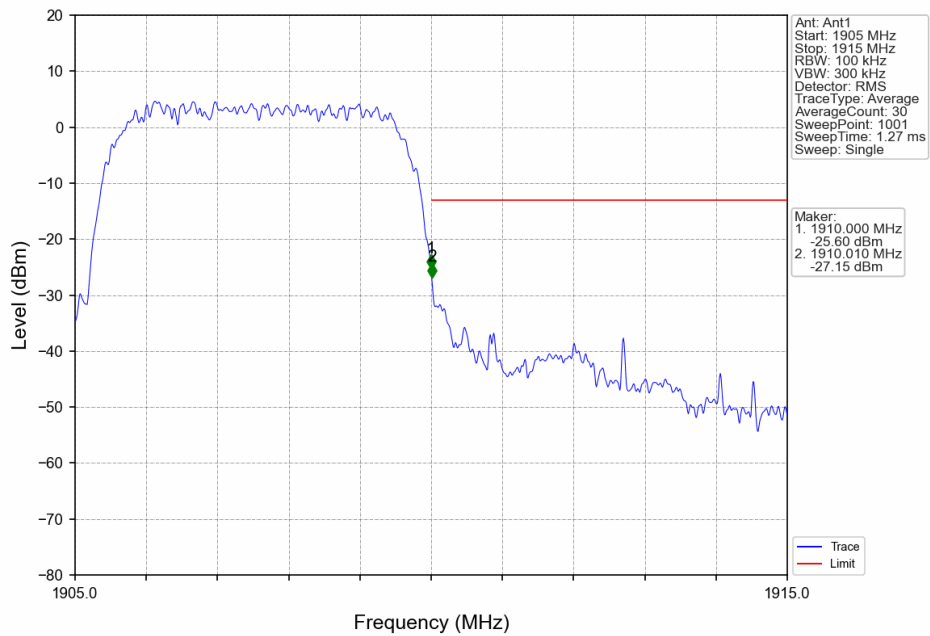
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



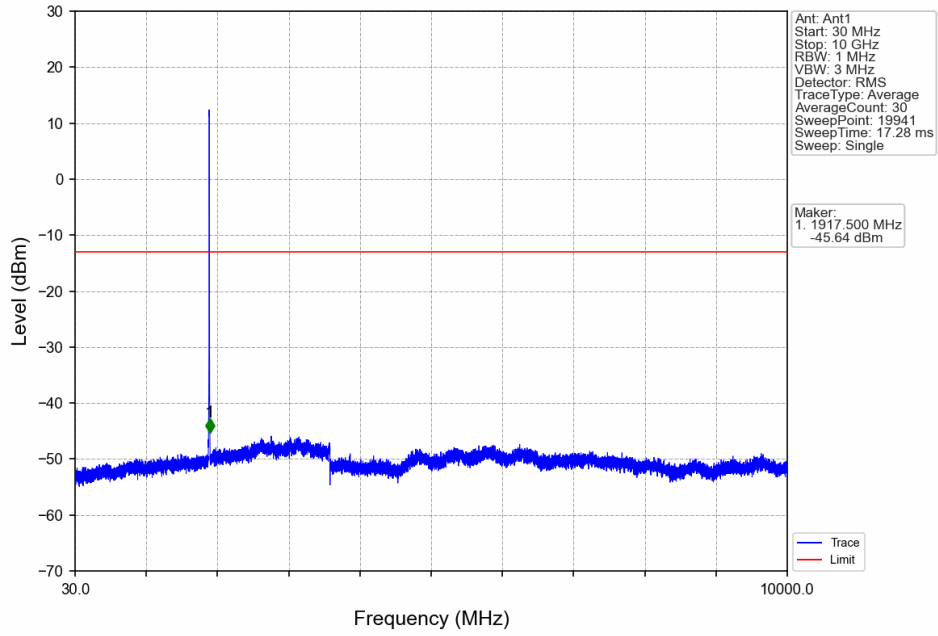
Band2_HSUPA_MCH_1880MHz_Subtest 1_NTNV



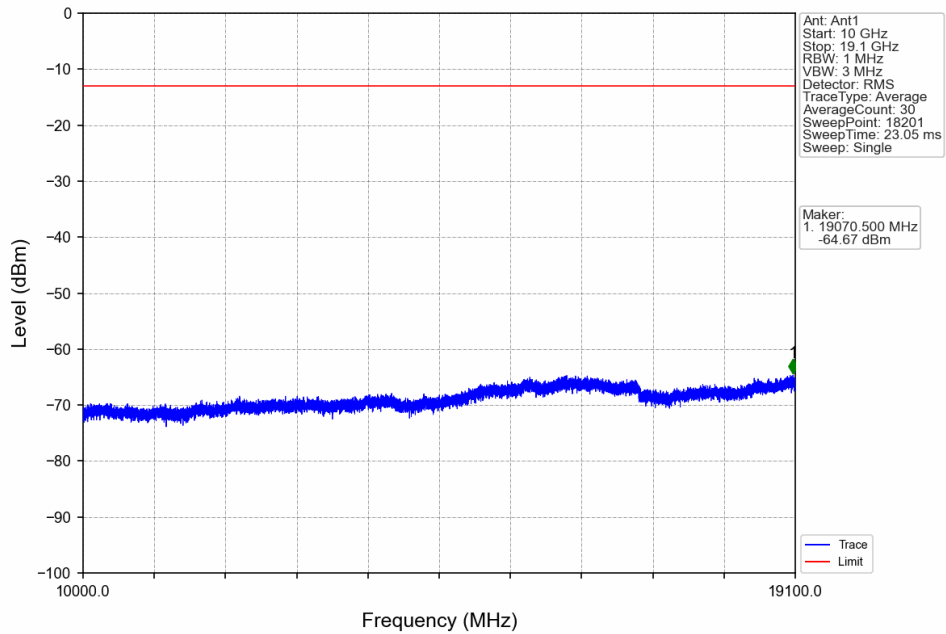
Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



Band2_HSUPA_HCH_1907.6MHz_Subtest 1_NTNV



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	0.0923	0.0038	ppm	4M26F9W	24E	19.65

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	0.0997	0.0038	ppm	4M26F9W	24E	19.99