

1. Conducted Output Power Data

1.1 Band4_Power

1.1.1 Test Result

Band: 4						
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Limit	Verdict
	Network	Subset				
NTNV	HSDPA	Subtest 1	1712.4	20.11	<=30	Pass
		Subtest 2	1712.4	20.07	<=30	Pass
		Subtest 3	1712.4	20.07	<=30	Pass
		Subtest 4	1712.4	20.09	<=30	Pass
		Subtest 1	1732.6	20.14	<=30	Pass
		Subtest 2	1732.6	20.11	<=30	Pass
		Subtest 3	1732.6	20.11	<=30	Pass
		Subtest 4	1732.6	20.11	<=30	Pass
		Subtest 1	1752.6	20.19	<=30	Pass
		Subtest 2	1752.6	20.19	<=30	Pass
		Subtest 3	1752.6	20.16	<=30	Pass
		Subtest 4	1752.6	20.18	<=30	Pass
	HSUPA	Subtest 1	1712.4	17.68	<=30	Pass
		Subtest 2	1712.4	18.05	<=30	Pass
		Subtest 3	1712.4	18.05	<=30	Pass
		Subtest 4	1712.4	17.70	<=30	Pass
		Subtest 5	1712.4	18.05	<=30	Pass
		Subtest 1	1732.6	18.06	<=30	Pass
		Subtest 2	1732.6	18.04	<=30	Pass
		Subtest 3	1732.6	17.59	<=30	Pass
		Subtest 4	1732.6	17.48	<=30	Pass
		Subtest 5	1732.6	18.07	<=30	Pass
		Subtest 1	1752.6	18.18	<=30	Pass
		Subtest 2	1752.6	18.18	<=30	Pass
		Subtest 3	1752.6	18.15	<=30	Pass
		Subtest 4	1752.6	17.57	<=30	Pass
		Subtest 5	1752.6	18.17	<=30	Pass

2. Frequency Stability

2.1 Band4

2.1.1 Test Result

Band: 4							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
HSDPA	1712.4	20	3.27	-8.447	-0.0049	-2.5 to 2.5	Pass
			3.85	-18.740	-0.0109	-2.5 to 2.5	Pass
			4.43	-16.937	-0.0099	-2.5 to 2.5	Pass
		-30	3.85	-15.371	-0.0090	-2.5 to 2.5	Pass
		-20	3.85	-11.601	-0.0068	-2.5 to 2.5	Pass
		-10	3.85	-14.348	-0.0084	-2.5 to 2.5	Pass
		0	3.85	-18.625	-0.0109	-2.5 to 2.5	Pass
		10	3.85	-15.793	-0.0092	-2.5 to 2.5	Pass
		30	3.85	-15.986	-0.0093	-2.5 to 2.5	Pass
		40	3.85	-15.285	-0.0089	-2.5 to 2.5	Pass
		50	3.85	-9.835	-0.0057	-2.5 to 2.5	Pass
	1732.6	20	3.27	0.150	0.0001	-2.5 to 2.5	Pass
			3.85	8.318	0.0048	-2.5 to 2.5	Pass
			4.43	8.812	0.0051	-2.5 to 2.5	Pass
		-30	3.85	8.655	0.0050	-2.5 to 2.5	Pass
		-20	3.85	2.339	0.0013	-2.5 to 2.5	Pass
		-10	3.85	5.178	0.0030	-2.5 to 2.5	Pass
		0	3.85	9.778	0.0056	-2.5 to 2.5	Pass
		10	3.85	7.453	0.0043	-2.5 to 2.5	Pass
		30	3.85	0.265	0.0002	-2.5 to 2.5	Pass
		40	3.85	5.178	0.0030	-2.5 to 2.5	Pass
		50	3.85	7.367	0.0043	-2.5 to 2.5	Pass
	1752.6	20	3.27	-9.127	-0.0052	-2.5 to 2.5	Pass
			3.85	-5.465	-0.0031	-2.5 to 2.5	Pass
			4.43	2.310	0.0013	-2.5 to 2.5	Pass
		-30	3.85	7.646	0.0044	-2.5 to 2.5	Pass
		-20	3.85	9.627	0.0055	-2.5 to 2.5	Pass
		-10	3.85	14.691	0.0084	-2.5 to 2.5	Pass
		0	3.85	12.567	0.0072	-2.5 to 2.5	Pass
		10	3.85	14.141	0.0081	-2.5 to 2.5	Pass
		30	3.85	11.909	0.0068	-2.5 to 2.5	Pass
		40	3.85	10.643	0.0061	-2.5 to 2.5	Pass
		50	3.85	9.127	0.0052	-2.5 to 2.5	Pass
HSUPA	1712.4	20	3.27	-15.936	-0.0093	-2.5 to 2.5	Pass
			3.85	-27.938	-0.0163	-2.5 to 2.5	Pass
			4.43	-20.843	-0.0122	-2.5 to 2.5	Pass
		-30	3.85	-19.119	-0.0112	-2.5 to 2.5	Pass
		-20	3.85	-18.232	-0.0106	-2.5 to 2.5	Pass
		-10	3.85	-15.779	-0.0092	-2.5 to 2.5	Pass
		0	3.85	-14.241	-0.0083	-2.5 to 2.5	Pass
		10	3.85	-13.747	-0.0080	-2.5 to 2.5	Pass
		30	3.85	-14.391	-0.0084	-2.5 to 2.5	Pass
		40	3.85	-13.518	-0.0079	-2.5 to 2.5	Pass
		50	3.85	-13.733	-0.0080	-2.5 to 2.5	Pass
	1732.6	20	3.27	-27.223	-0.0157	-2.5 to 2.5	Pass
			3.85	-14.563	-0.0084	-2.5 to 2.5	Pass
			4.43	-16.973	-0.0098	-2.5 to 2.5	Pass
		-30	3.85	-18.632	-0.0108	-2.5 to 2.5	Pass
		-20	3.85	-15.907	-0.0092	-2.5 to 2.5	Pass

		-10	3.85	-16.830	-0.0097	-2.5 to 2.5	Pass
		0	3.85	-11.859	-0.0068	-2.5 to 2.5	Pass
		10	3.85	-16.809	-0.0097	-2.5 to 2.5	Pass
		30	3.85	-20.428	-0.0118	-2.5 to 2.5	Pass
		40	3.85	-9.813	-0.0057	-2.5 to 2.5	Pass
		50	3.85	-17.331	-0.0100	-2.5 to 2.5	Pass
	1752.6	20	3.27	1.173	0.0007	-2.5 to 2.5	Pass
			3.85	-11.408	-0.0065	-2.5 to 2.5	Pass
			4.43	-9.549	-0.0054	-2.5 to 2.5	Pass
		-30	3.85	-13.840	-0.0079	-2.5 to 2.5	Pass
		-20	3.85	-11.694	-0.0067	-2.5 to 2.5	Pass
		-10	3.85	-8.218	-0.0047	-2.5 to 2.5	Pass
		0	3.85	-12.159	-0.0069	-2.5 to 2.5	Pass
		10	3.85	-9.906	-0.0057	-2.5 to 2.5	Pass
		30	3.85	-13.955	-0.0080	-2.5 to 2.5	Pass
		40	3.85	-9.220	-0.0053	-2.5 to 2.5	Pass
		50	3.85	-11.051	-0.0063	-2.5 to 2.5	Pass

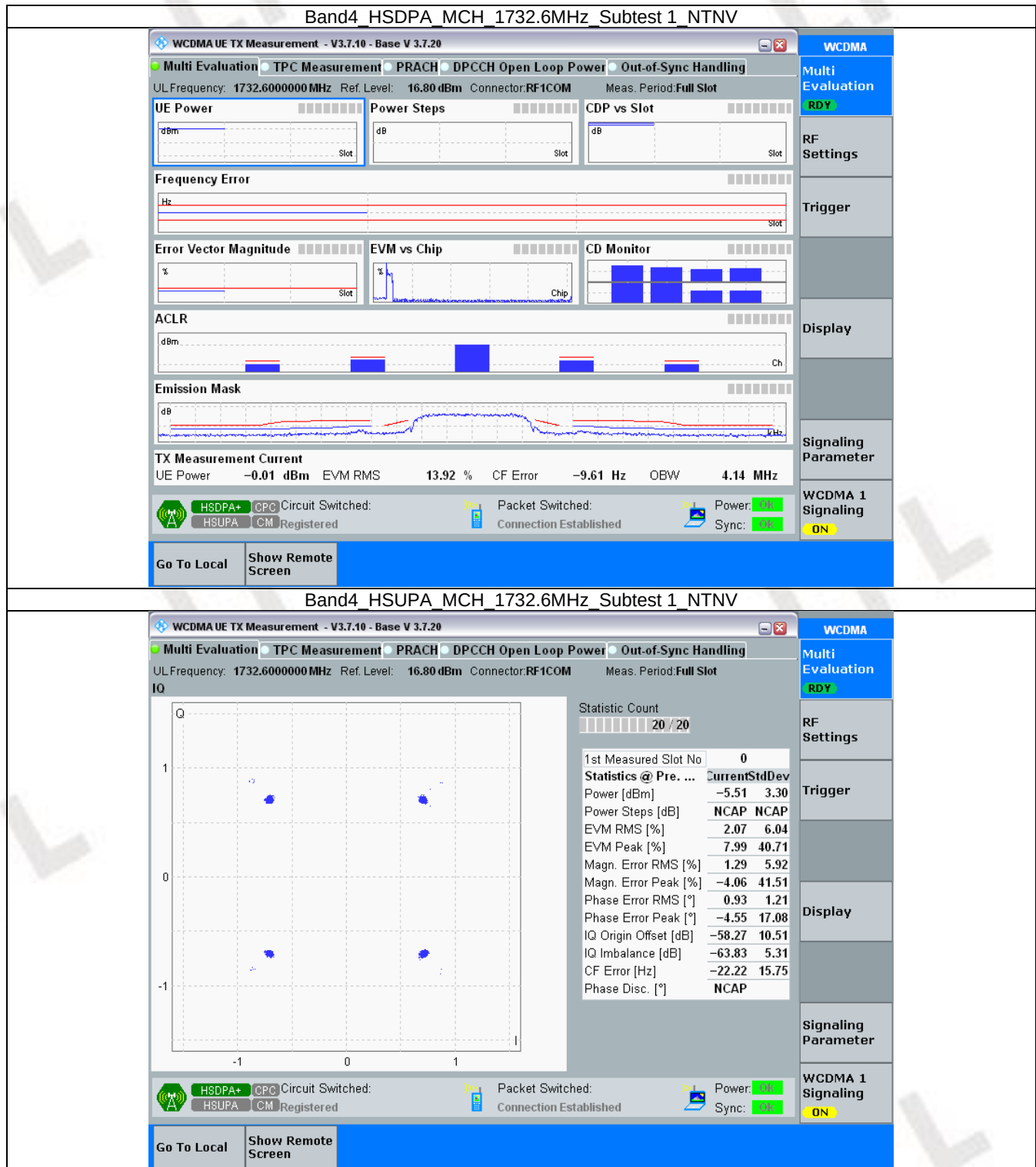
3. Modulation Characteristics

3.1 Band4

3.1.1 Test Result

Band: 4					
ENV	Mode		Frequency (MHz)	Modulation Characteristics	
	Network	Subset		Result	Limit
NTNV	HSDPA	Subtest 1	1732.6	Refer To Test Graph	Pass
	HSUPA	Subtest 1	1732.6	Refer To Test Graph	Pass

3.1.2 Test Graph



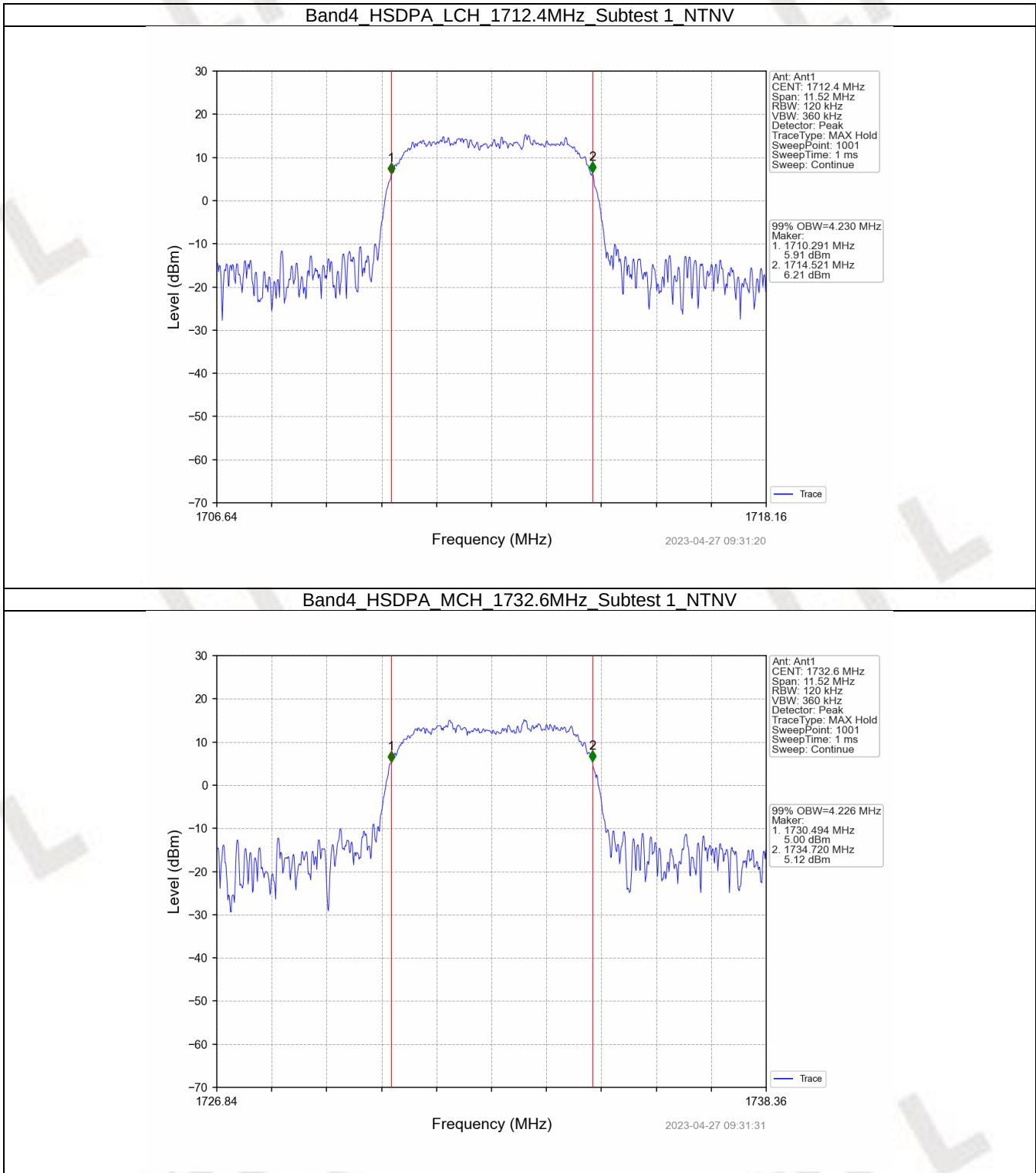
4. 99% & 26dB Bandwidth

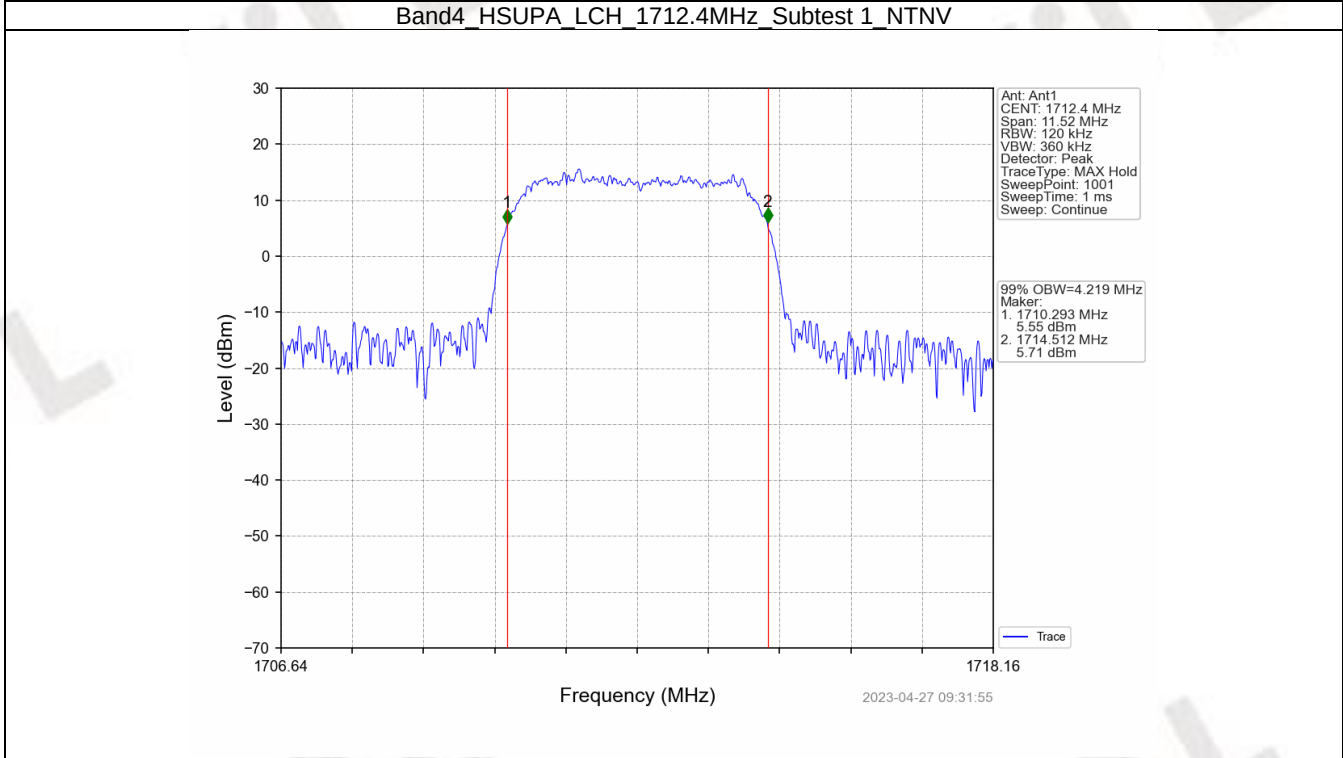
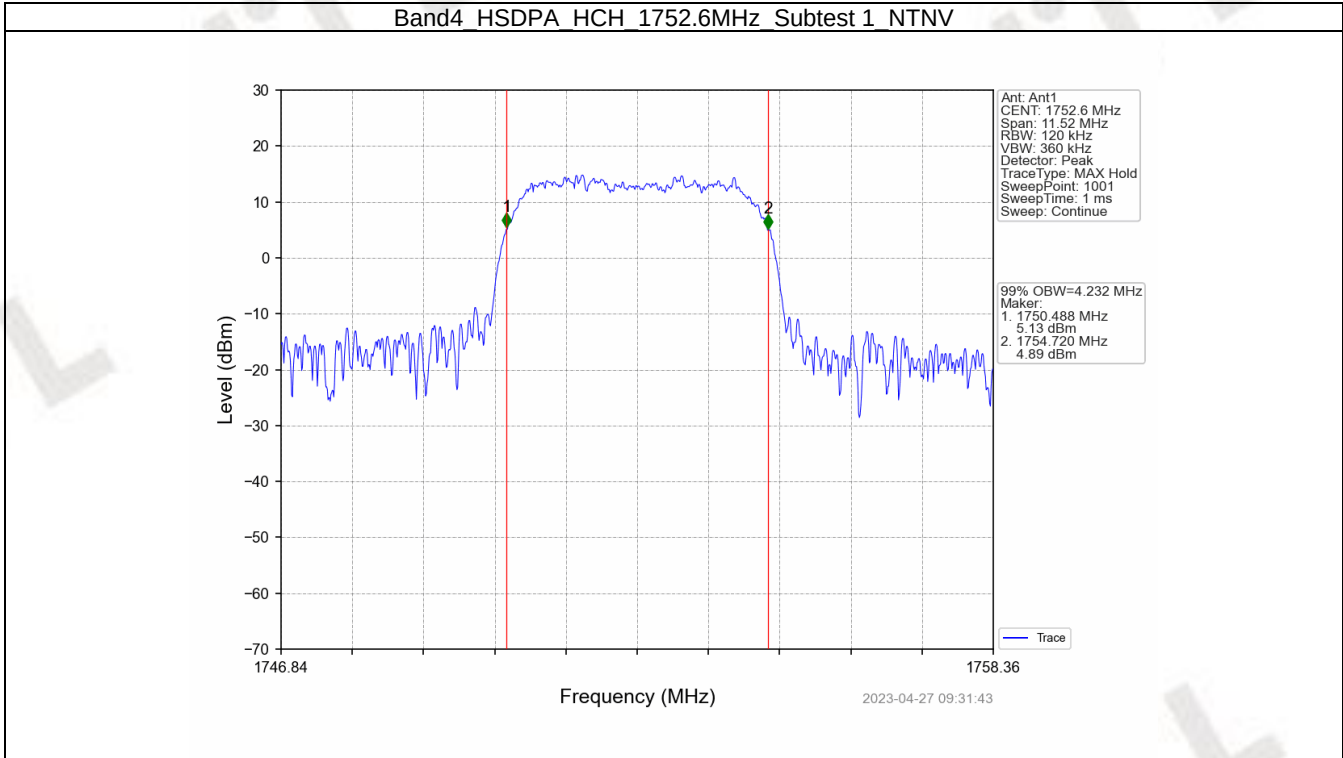
4.1 Band4_OBW

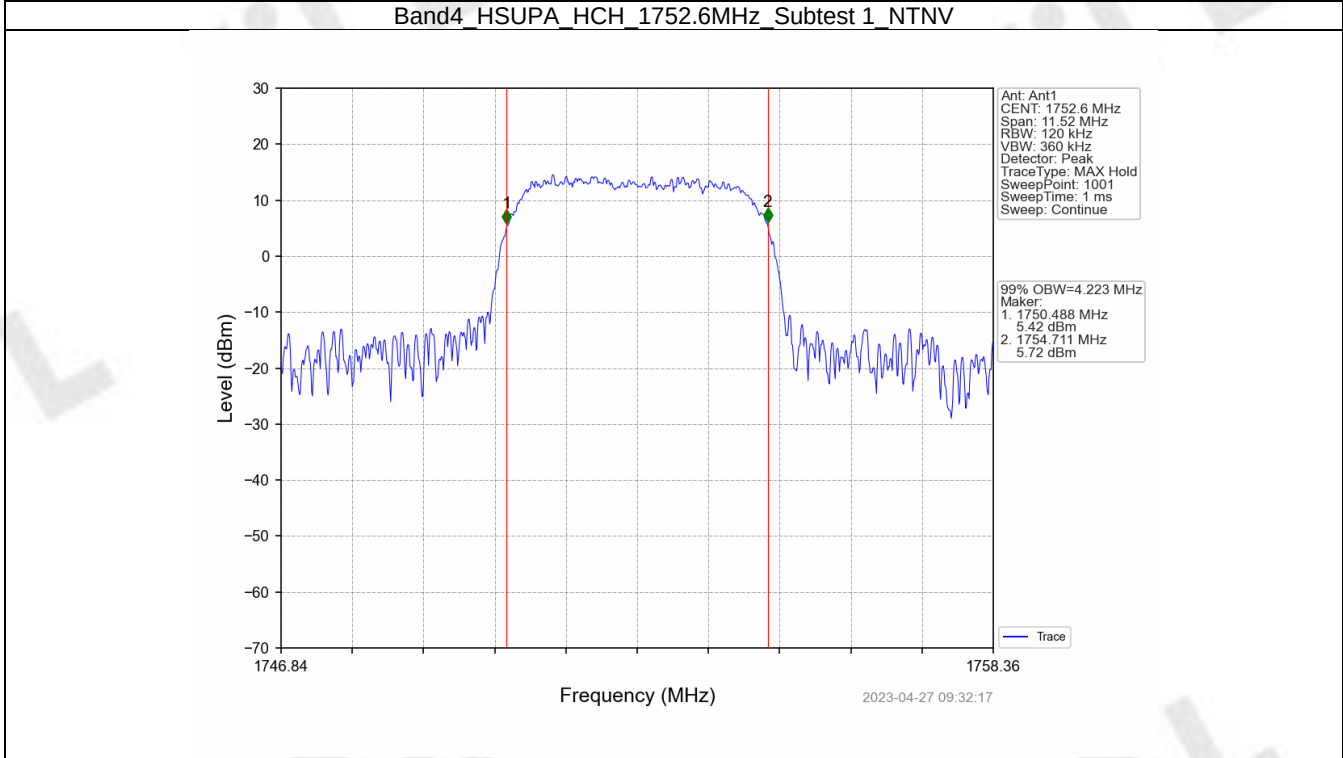
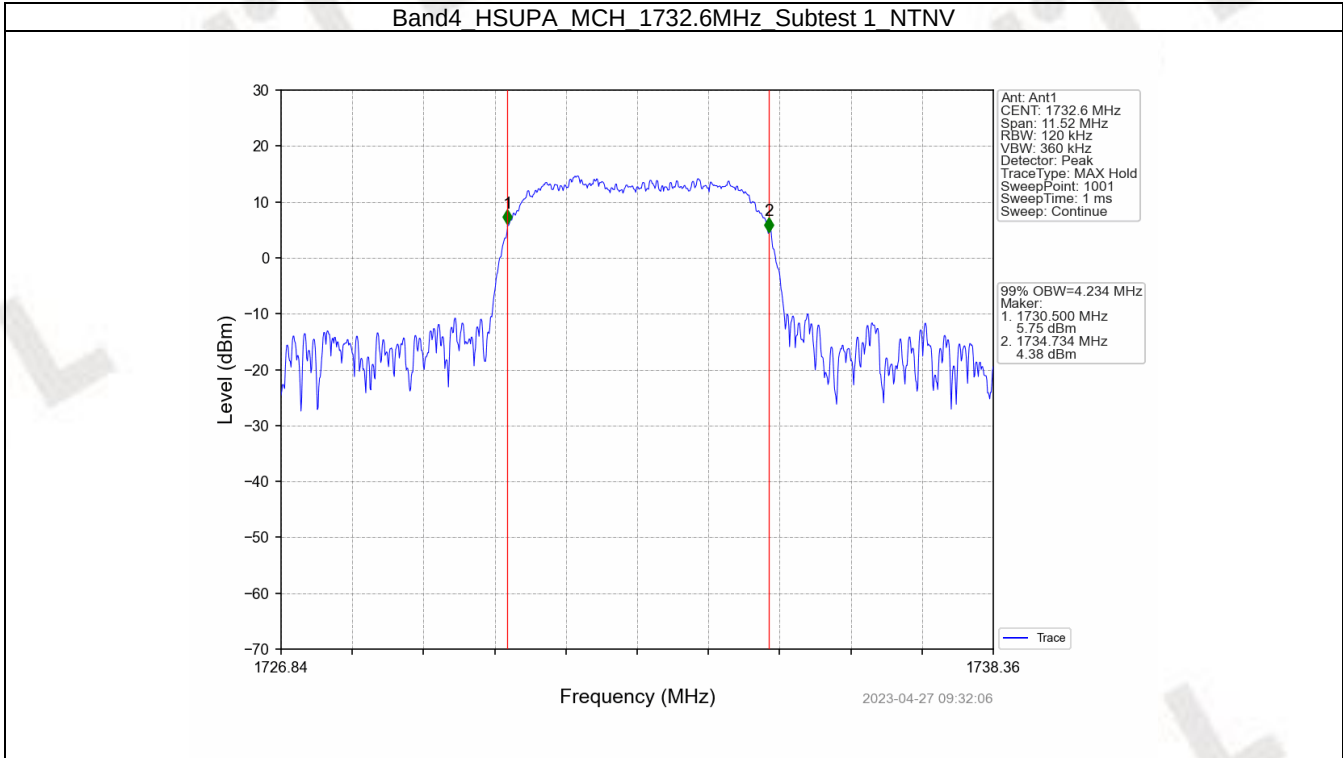
4.1.1 Test Result

Band: 4					
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	HSDPA	Subtest 1	1712.4	4.230	Pass
			1732.6	4.226	Pass
			1752.6	4.232	Pass
	HSUPA	Subtest 1	1712.4	4.219	Pass
			1732.6	4.234	Pass
			1752.6	4.223	Pass

4.1.2 Test Graph





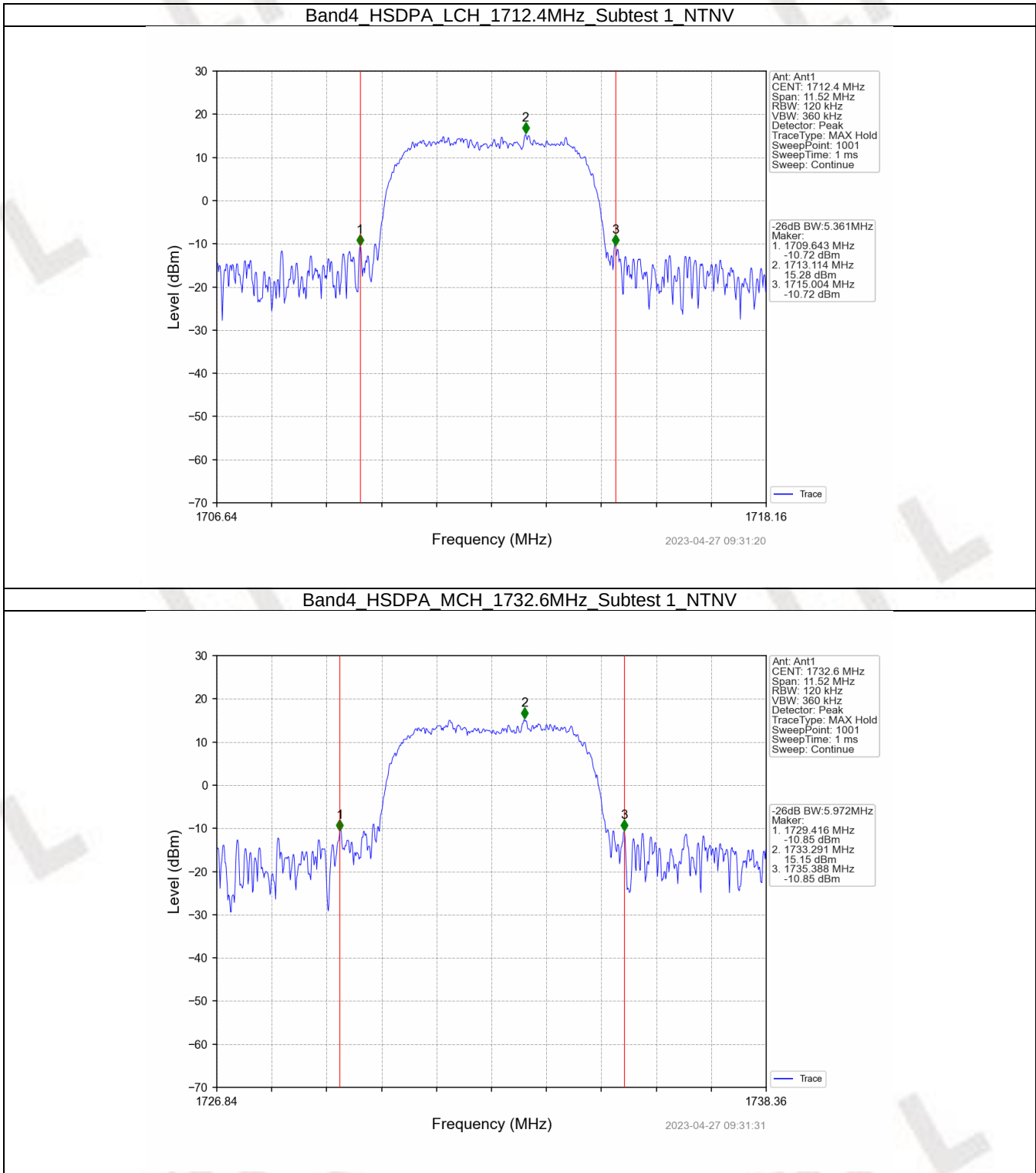


4.2 Band4_XDB

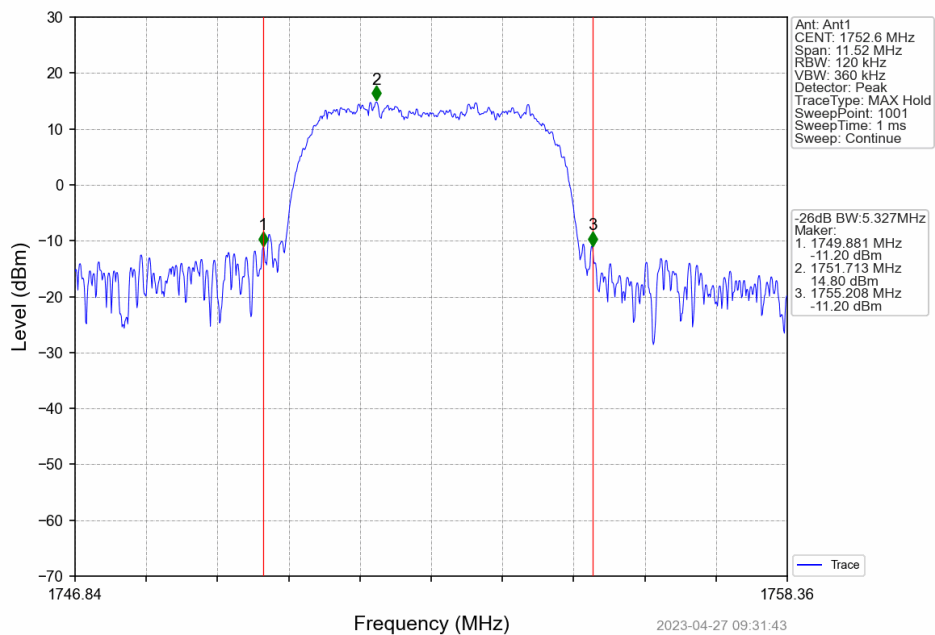
4.2.1 Test Result

Band: 4					
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)	Verdict
	Network	Subset		Result	
NTNV	HSDPA	Subtest 1	1712.4	5.361	Pass
			1732.6	5.972	Pass
			1752.6	5.327	Pass
	HSUPA	Subtest 1	1712.4	4.839	Pass
			1732.6	5.739	Pass
			1752.6	5.216	Pass

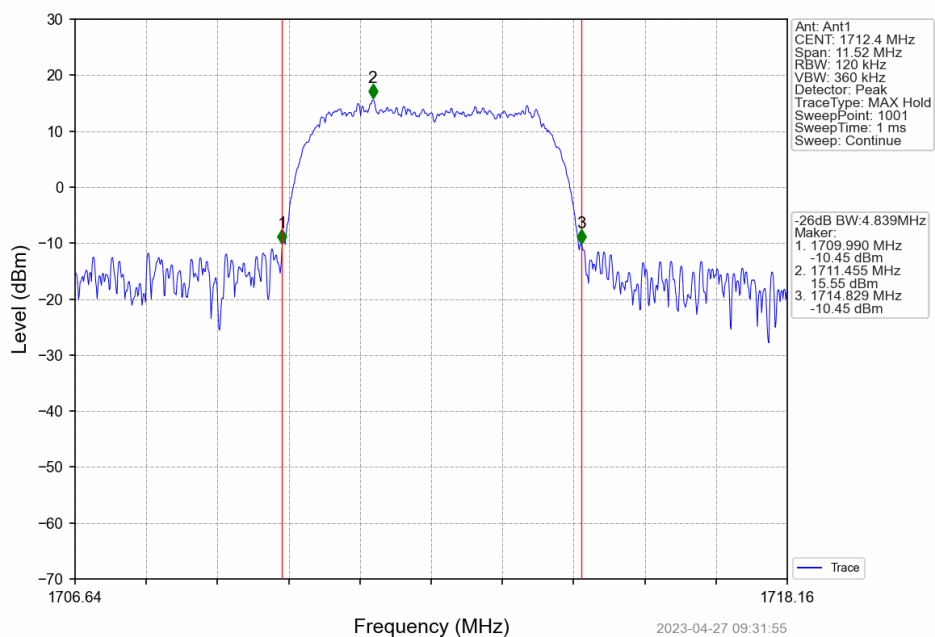
4.2.2 Test Graph

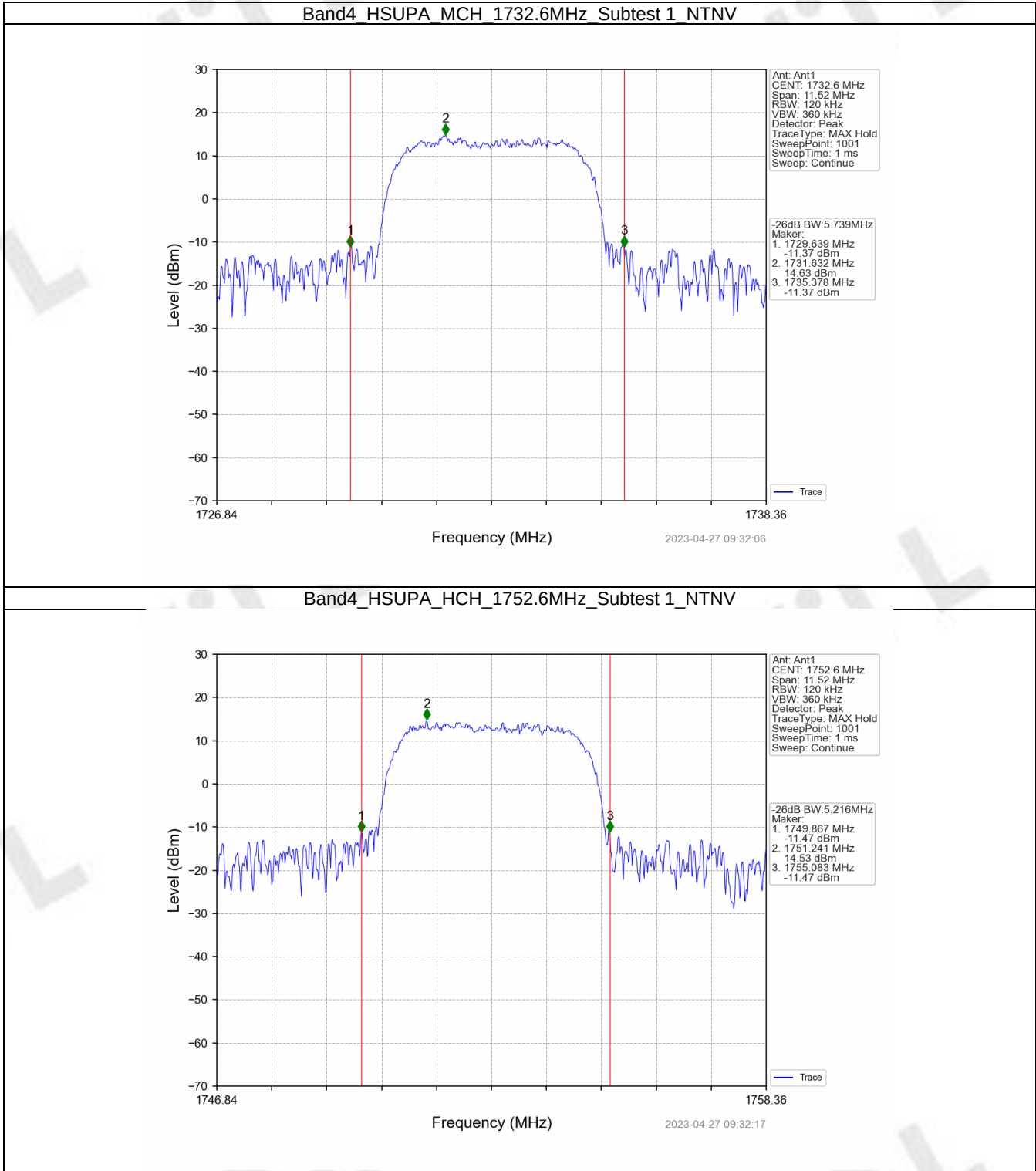


Band4 HSDPA HCH 1752.6MHz Subtest 1 NTN



Band4 HSUPA LCH 1712.4MHz Subtest 1 NTN





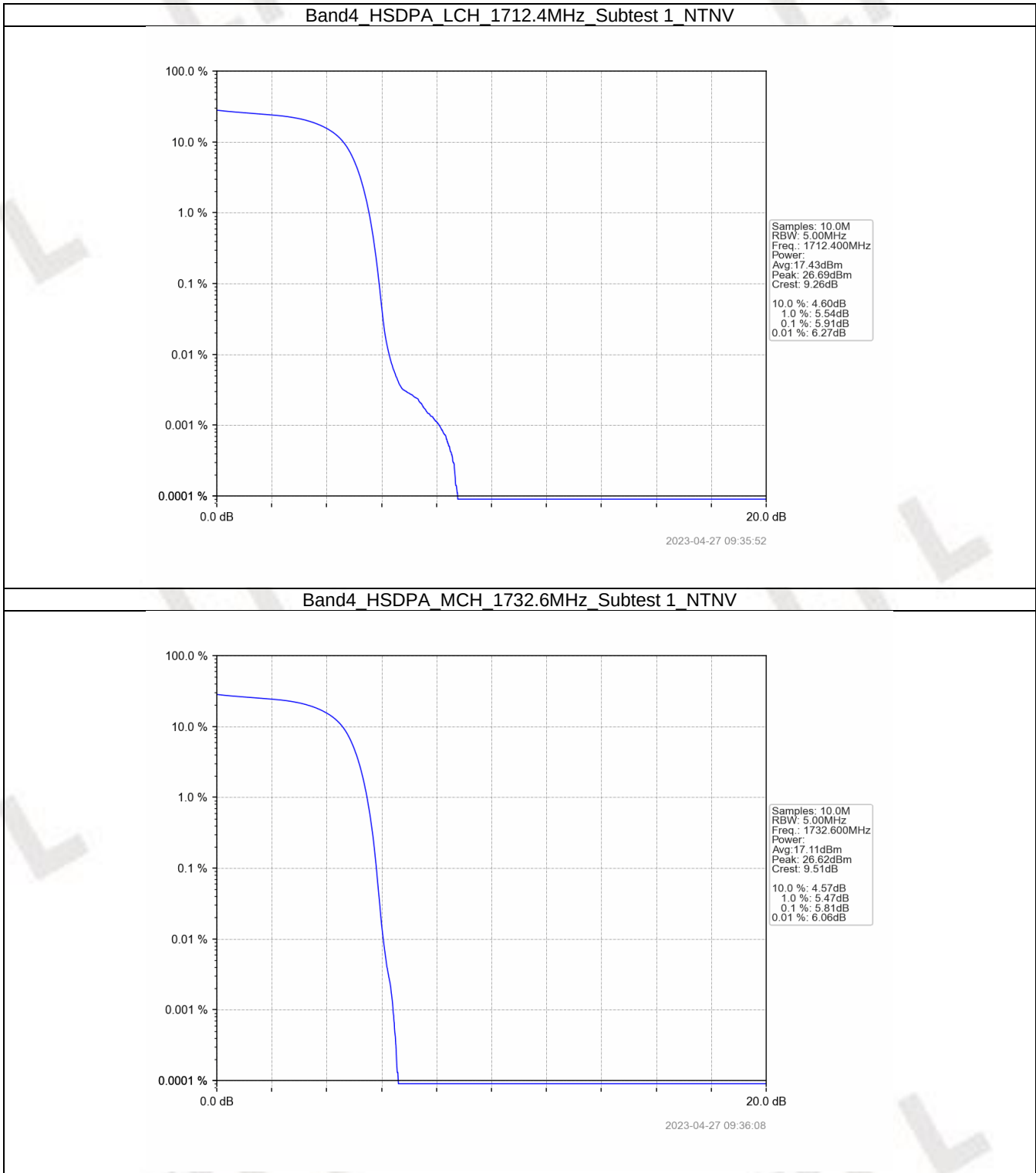
5. Peak-Average Ratio

5.1 Band4

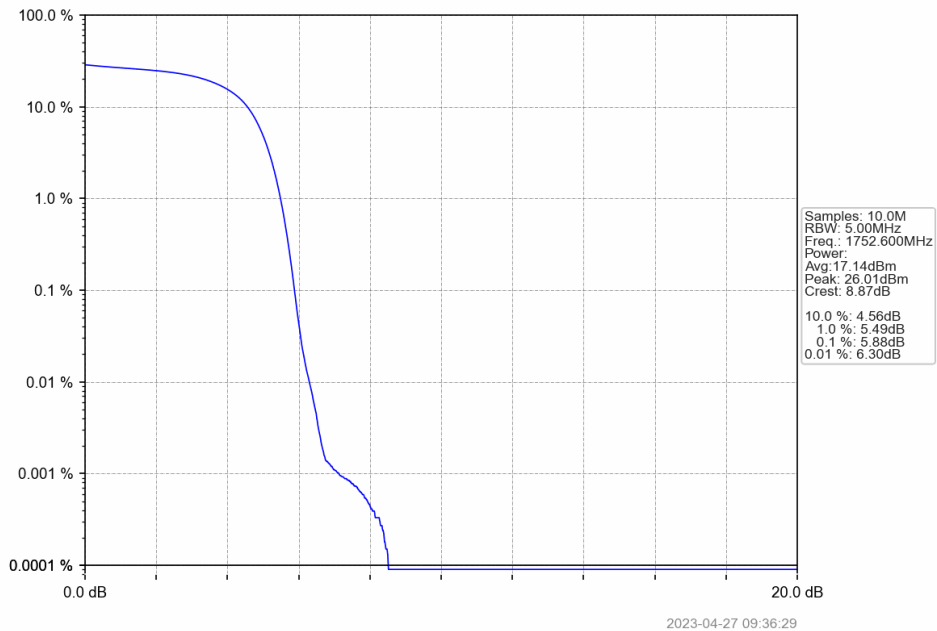
5.1.1 Test Result

Band: 4						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	HSDPA	Subtest 1	1712.4	5.91	<=13	Pass
			1732.6	5.81	<=13	Pass
			1752.6	5.88	<=13	Pass
	HSUPA	Subtest 1	1712.4	5.90	<=13	Pass
			1732.6	5.84	<=13	Pass
			1752.6	5.91	<=13	Pass

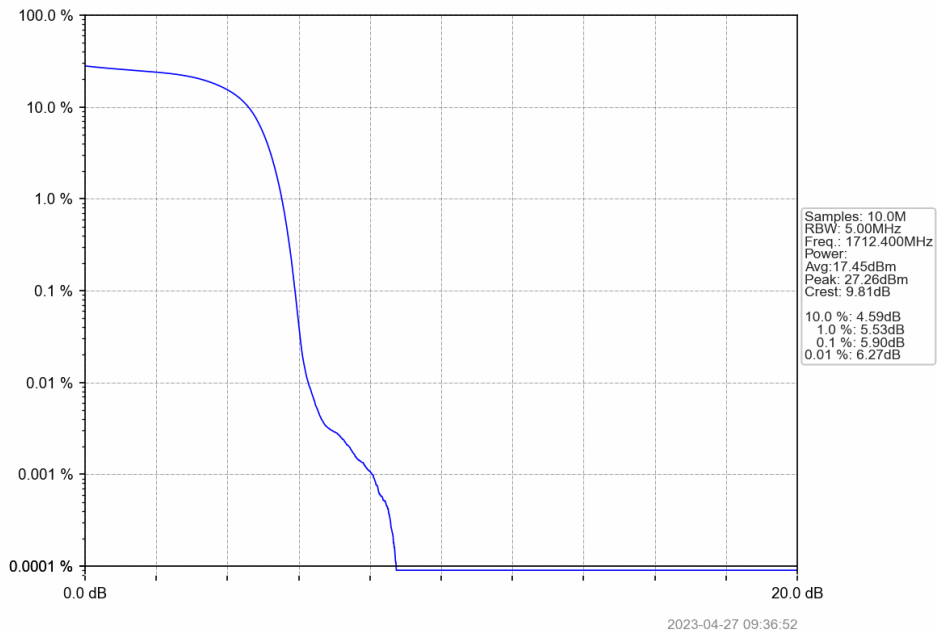
5.1.2 Test Graph



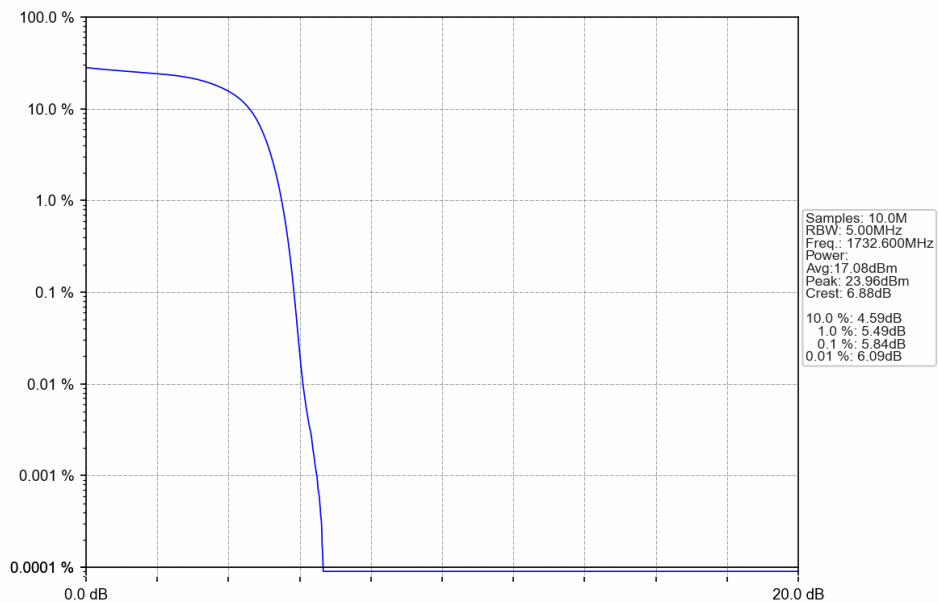
Band4 HSDPA HCH 1752.6MHz Subtest 1 NTNV



Band4 HSUPA LCH 1712.4MHz Subtest 1 NTNV

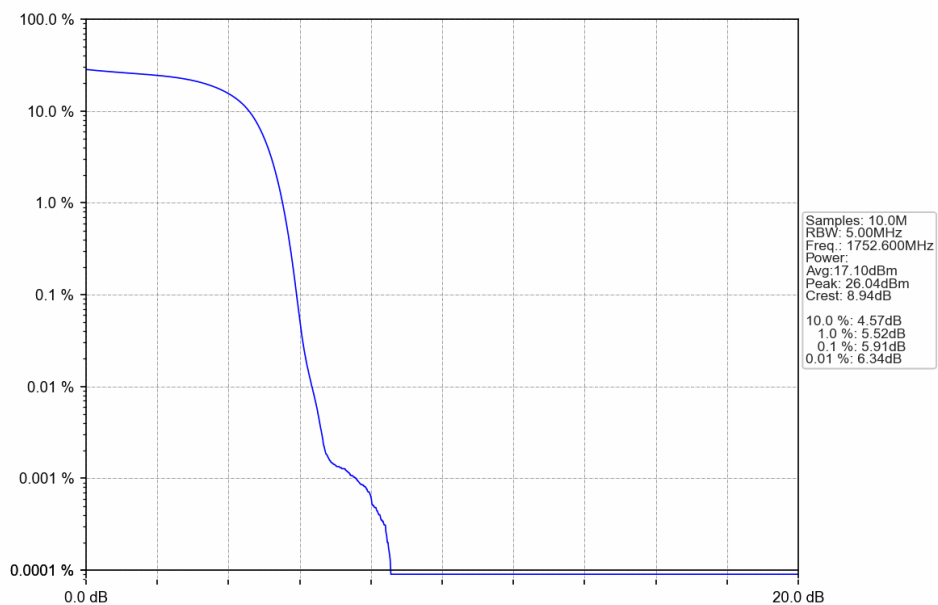


Band4 HSUPA MCH 1732.6MHz Subtest 1 NTNV



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Band4 HSUPA HCH 1752.6MHz Subtest 1 NTNV



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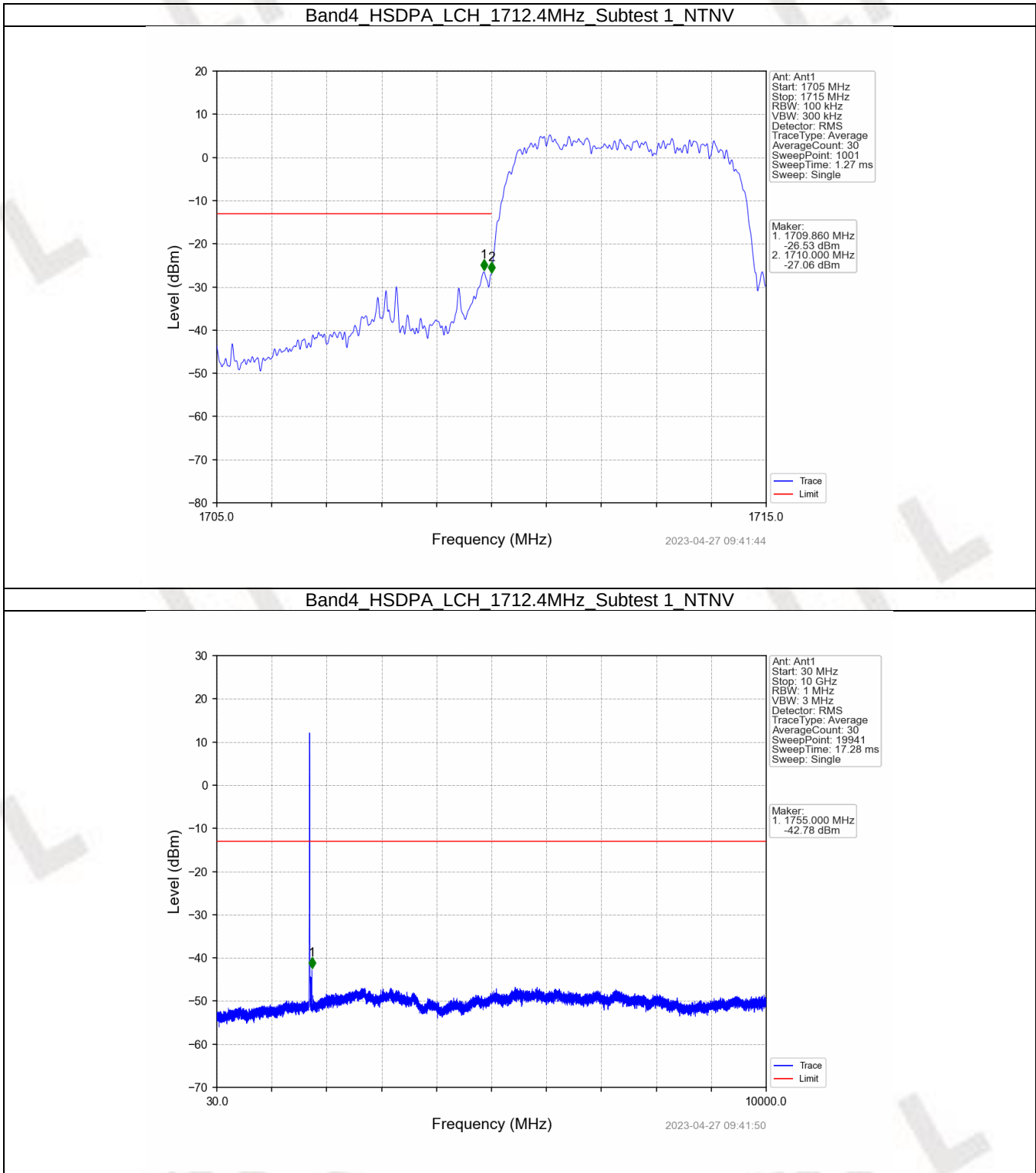
6. Spurious Emission

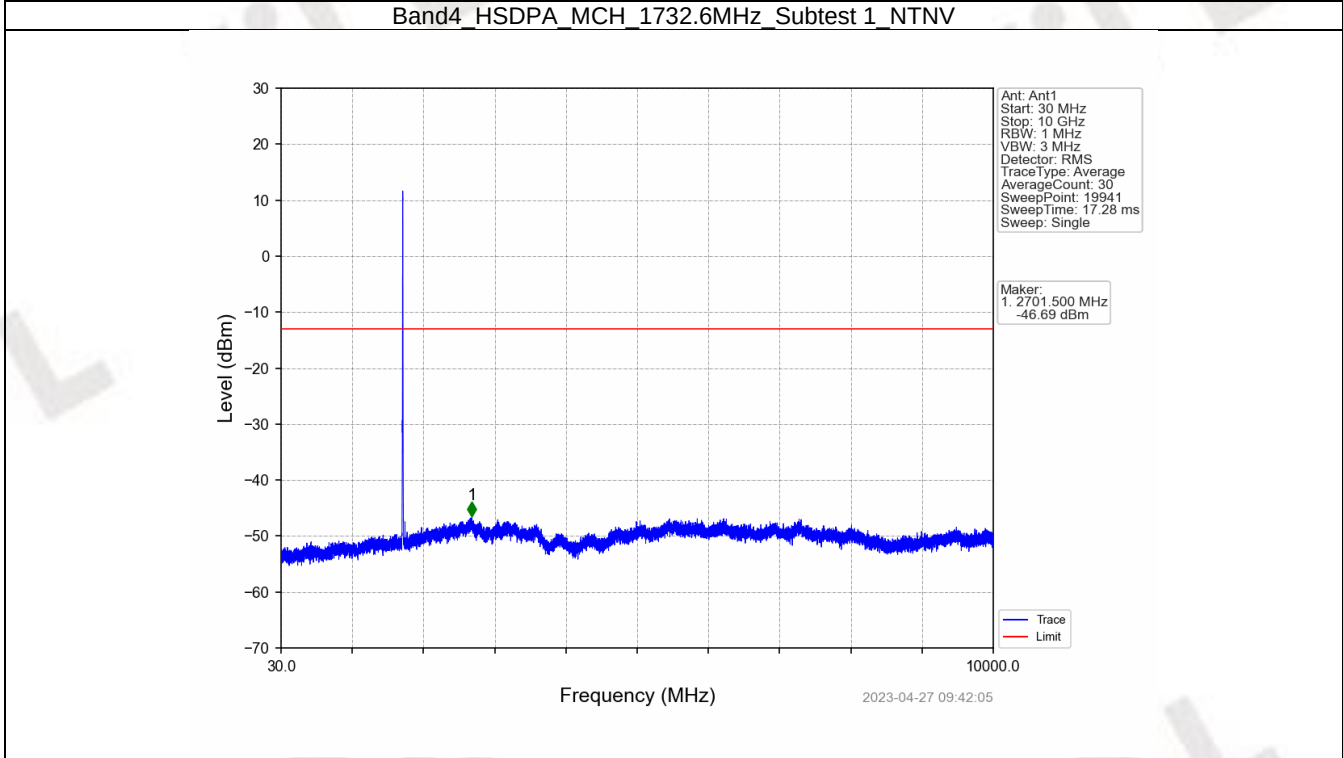
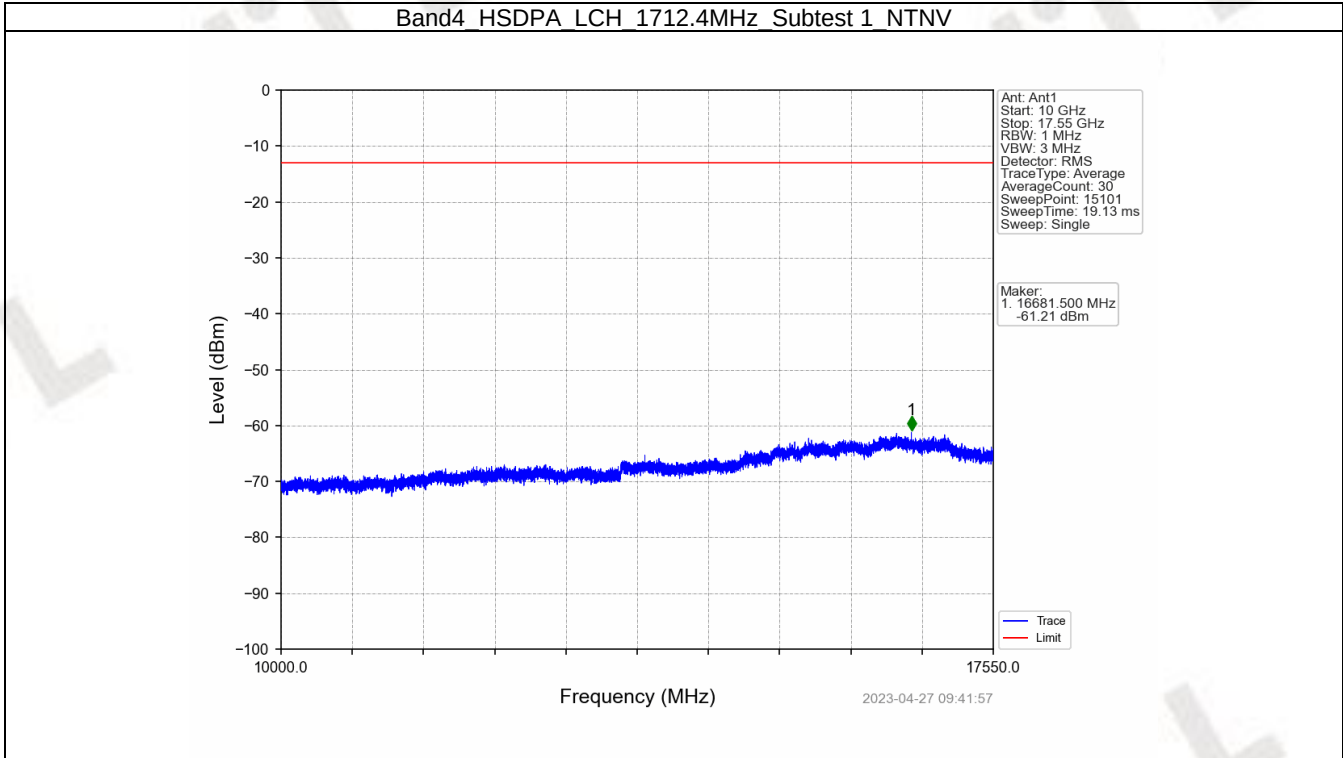
6.1 Band4

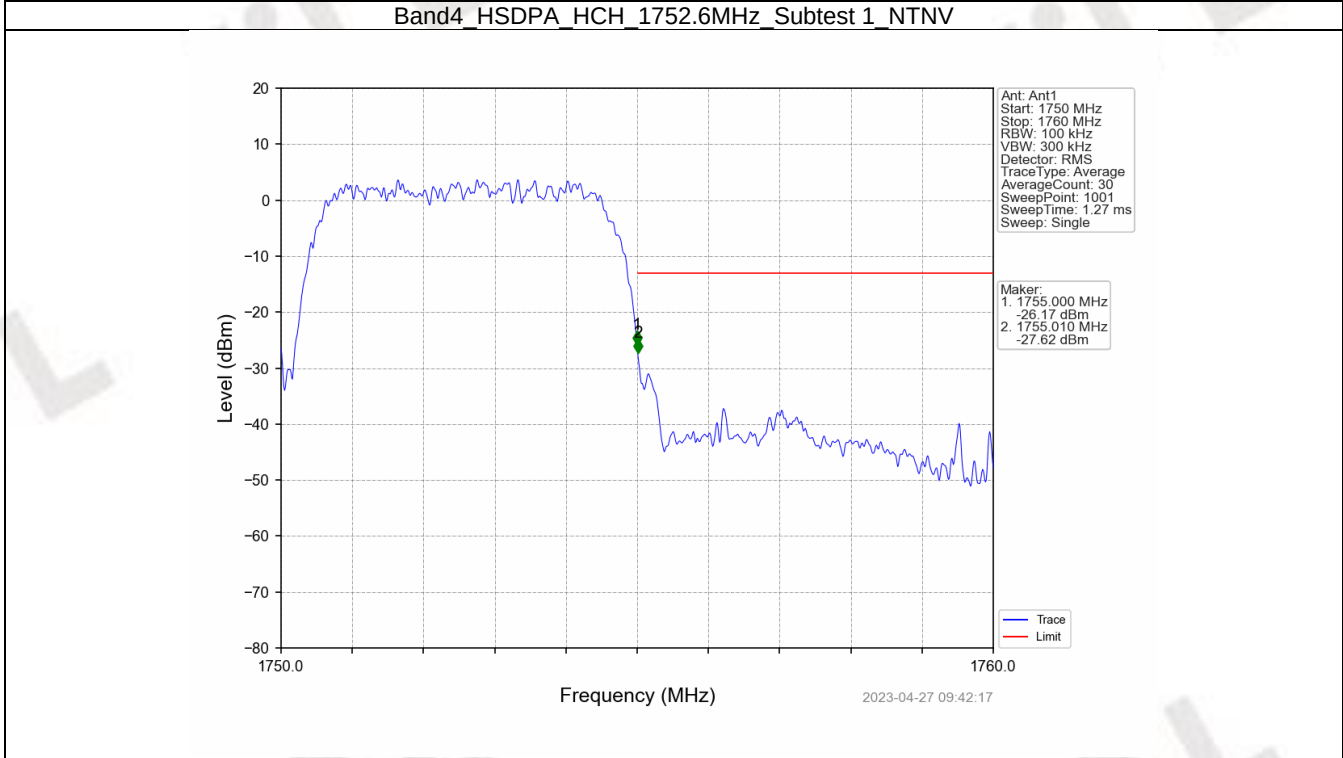
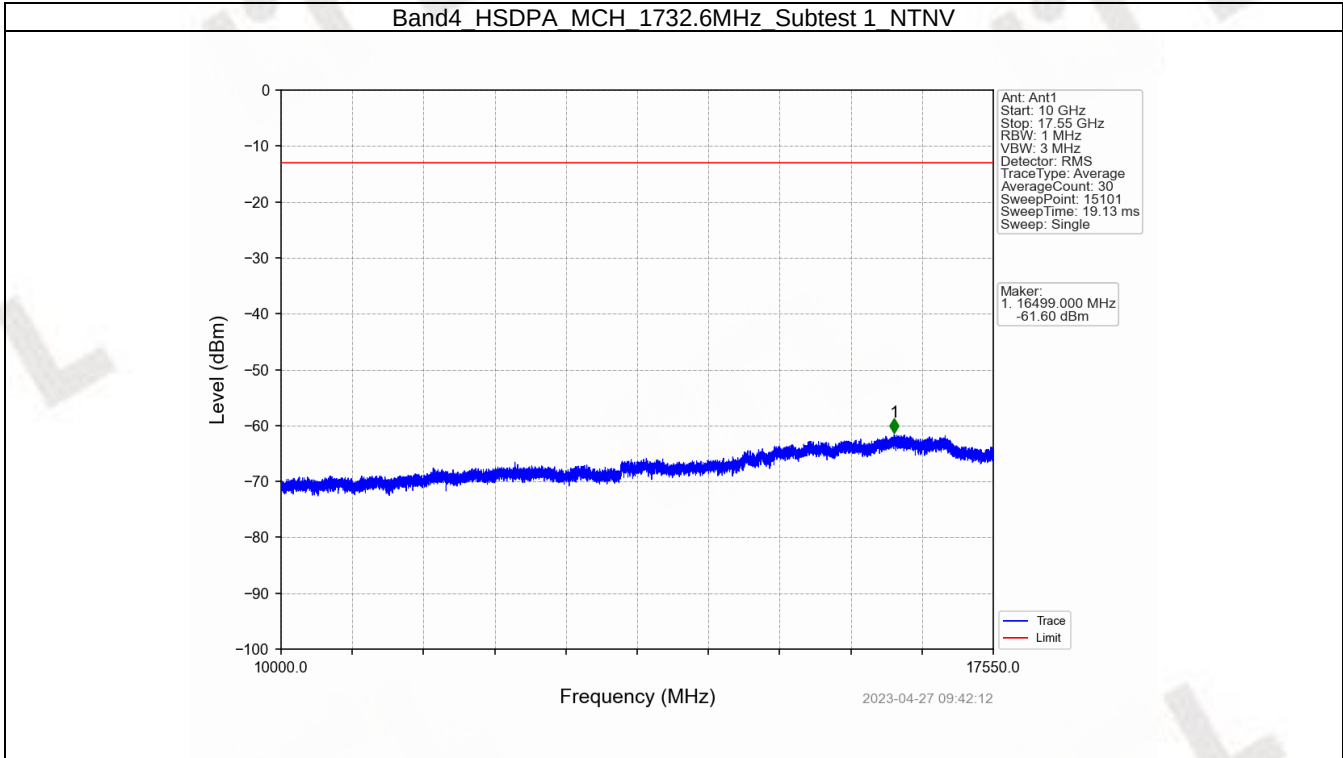
6.1.1 Test Result

Band: 4						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	HSDPA	Subtest 1	1712.4	Refer To Test Graph		Pass
			1732.6	Refer To Test Graph		Pass
			1752.6	Refer To Test Graph		Pass
	HSUPA	Subtest 1	1712.4	Refer To Test Graph		Pass
			1732.6	Refer To Test Graph		Pass
			1752.6	Refer To Test Graph		Pass

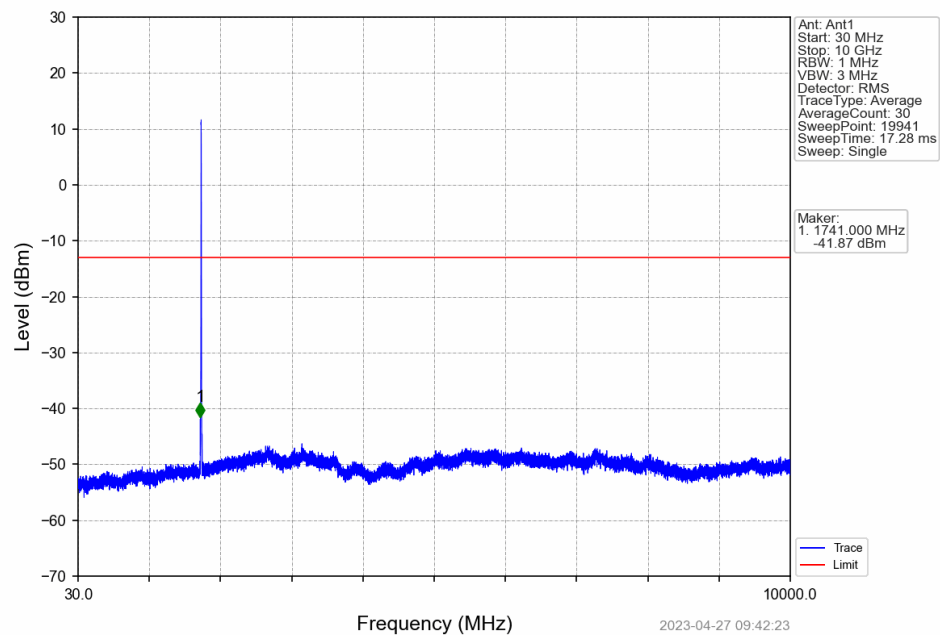
6.1.2 Test Graph



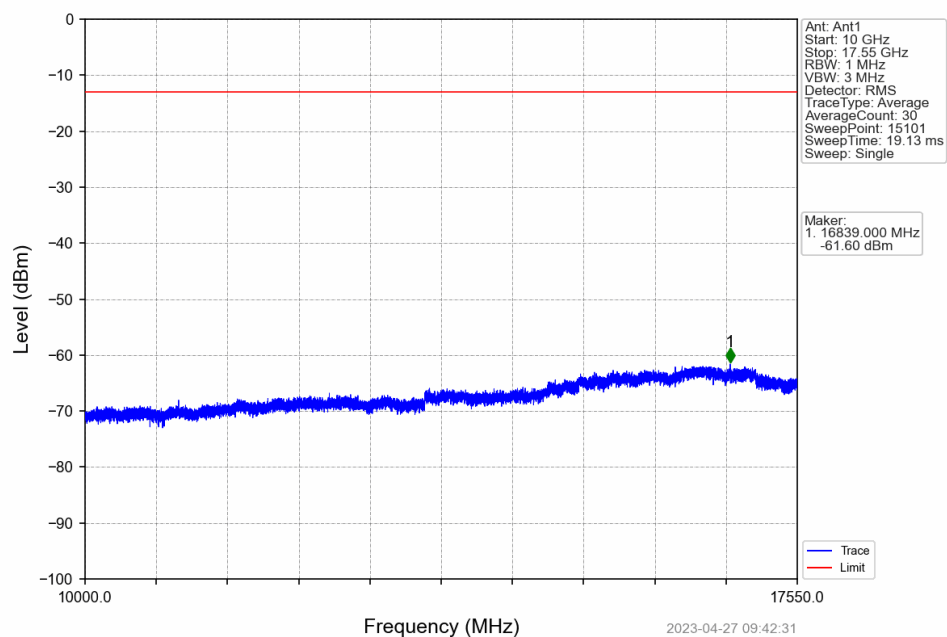


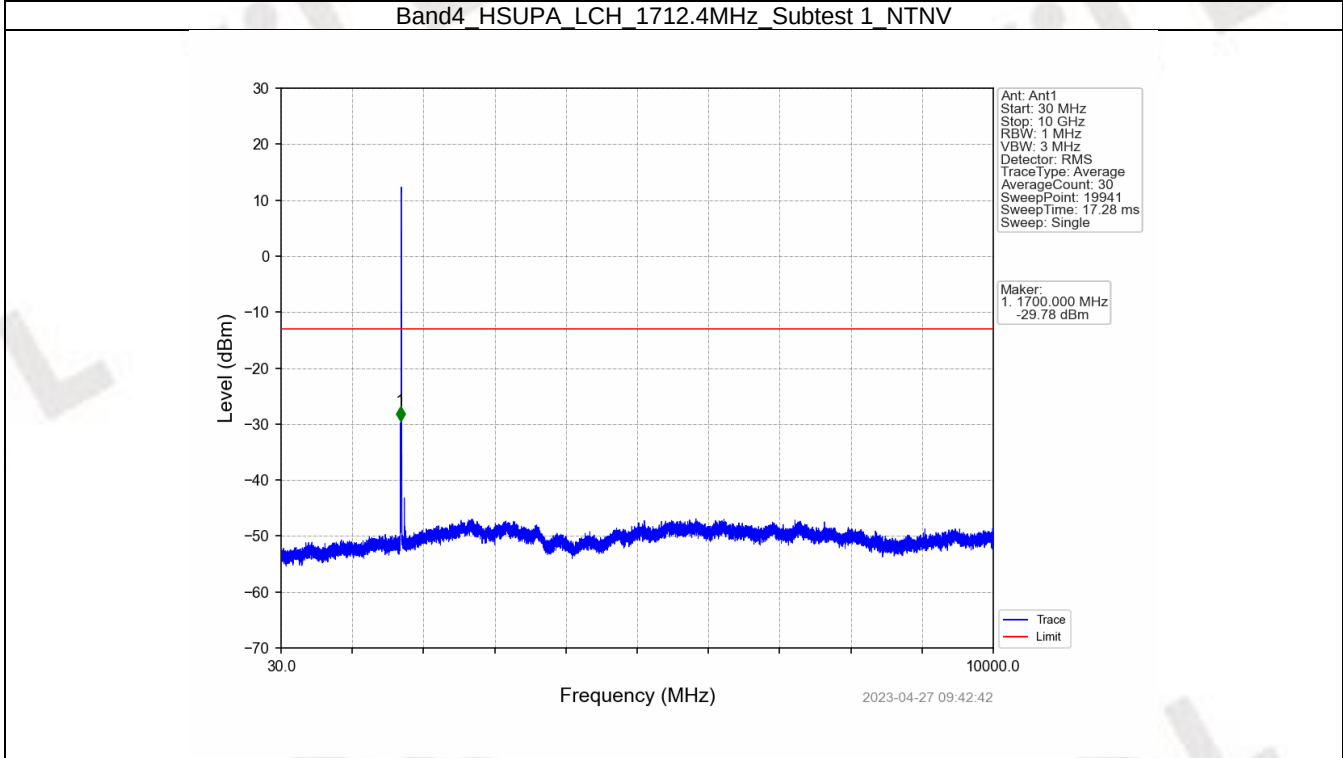
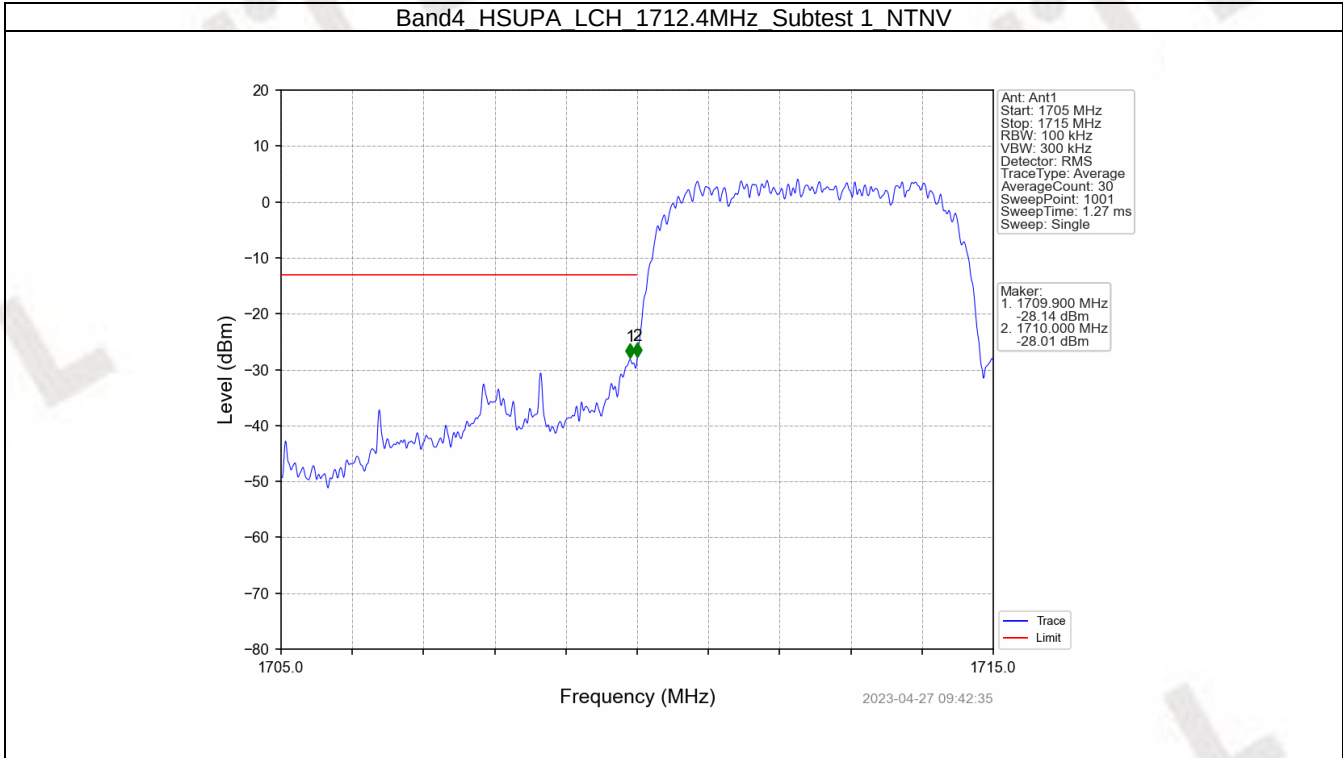


Band4 HSDPA HCH 1752.6MHz Subtest 1 NTN

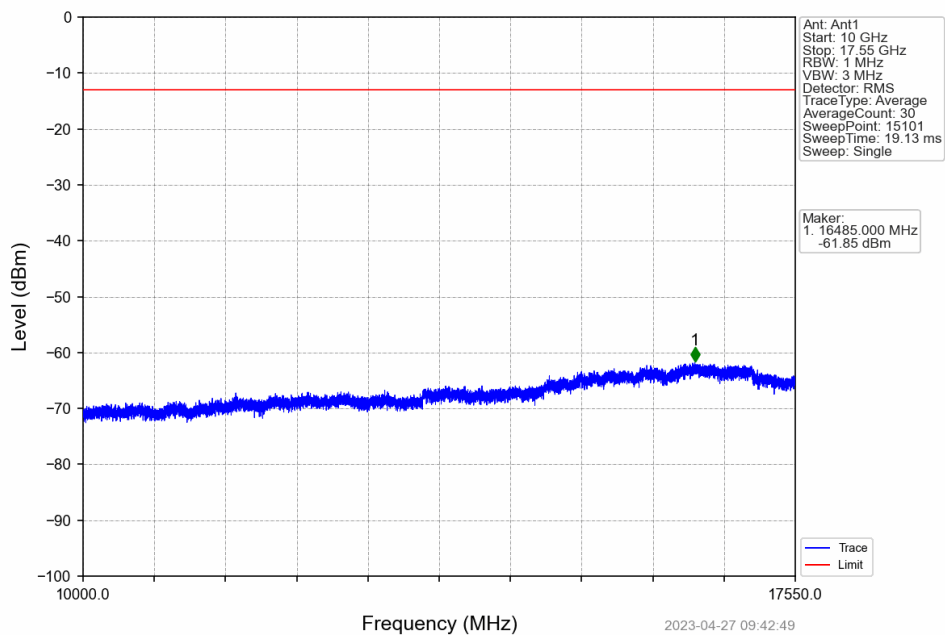


Band4 HSDPA HCH 1752.6MHz Subtest 1 NTN

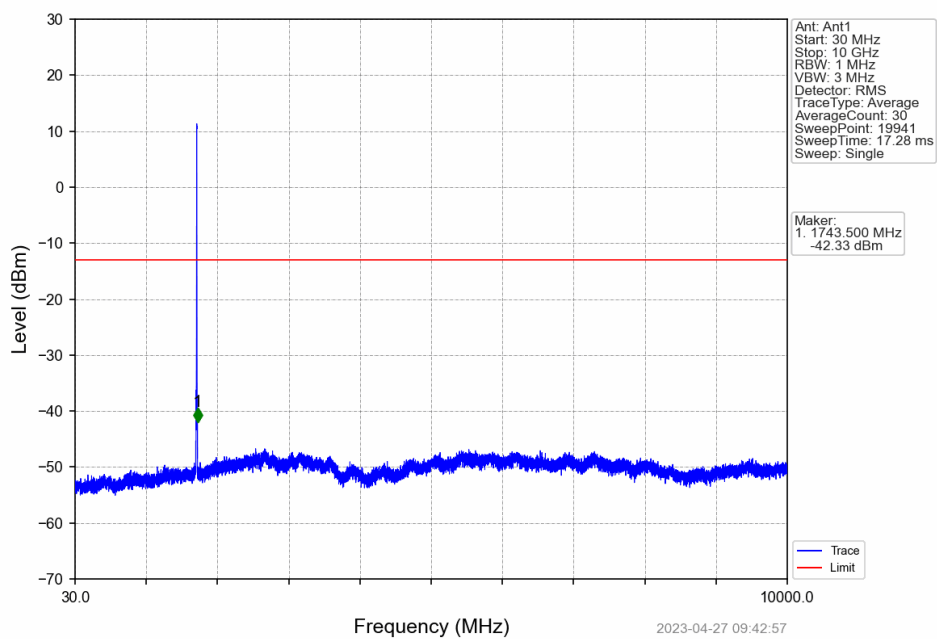


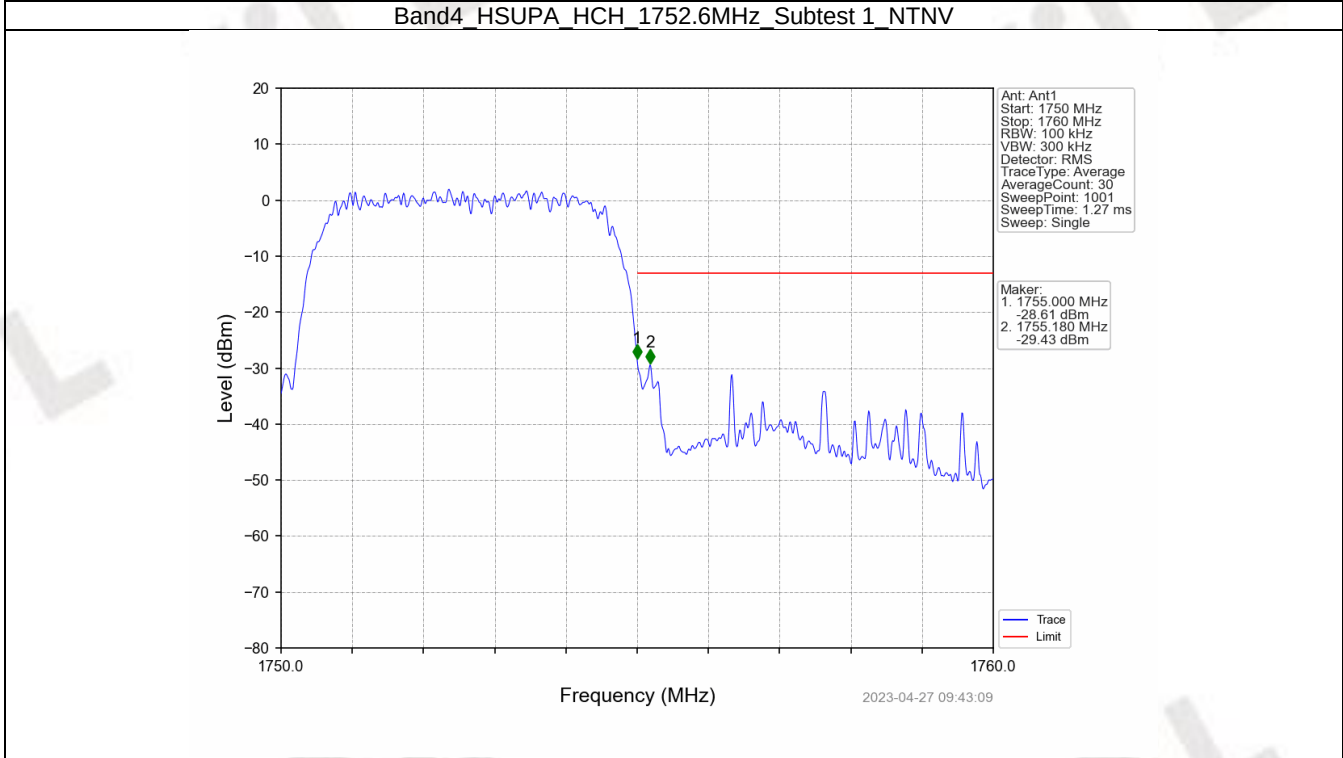
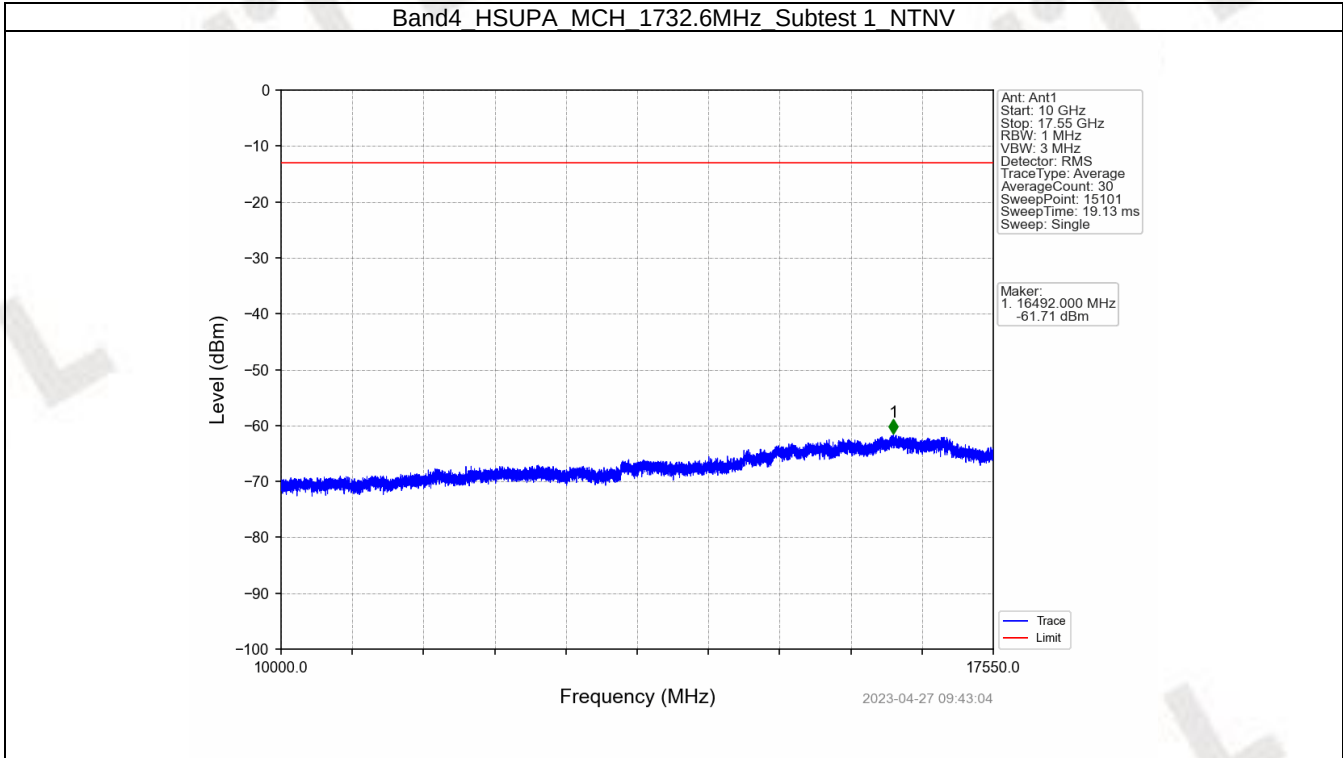


Band4 HSUPA LCH 1712.4MHz Subtest 1 NTN

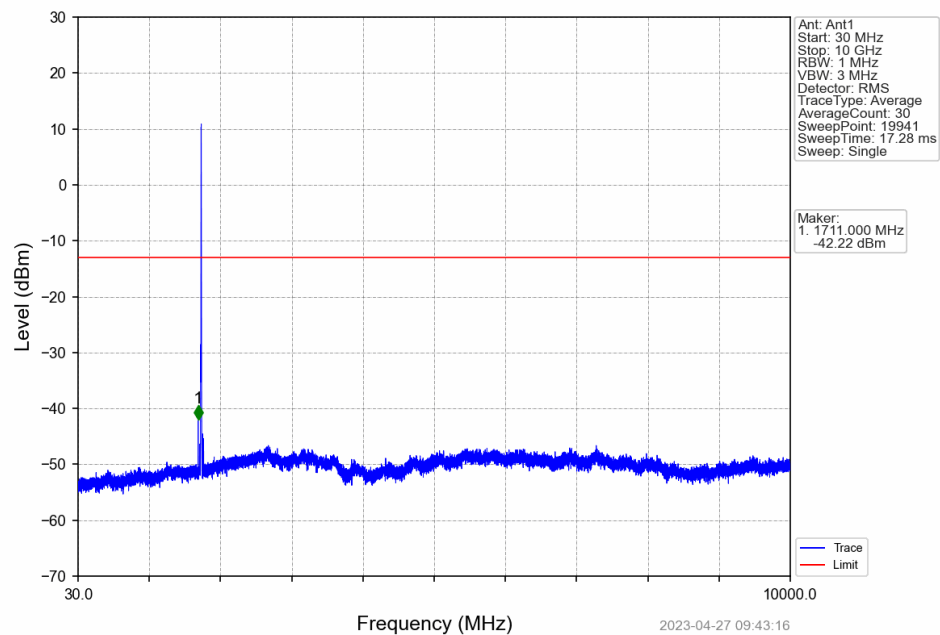


Band4 HSUPA MCH 1732.6MHz Subtest 1 NTN





Band4 HSUPA HCH 1752.6MHz Subtest 1 NTNV



Band4 HSUPA HCH 1752.6MHz Subtest 1 NTNV

