

Appendix B WCDMA 4

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 Band4_EIRP

Band: 4								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	23.13	-1.50	21.63	<=30	Pass
		12.2kbps AMR	1712.4	23.13	-1.50	21.63	<=30	Pass
		12.2kbps RMC	1732.6	23.16	-1.50	21.66	<=30	Pass
		12.2kbps AMR	1732.6	23.20	-1.50	21.70	<=30	Pass
		12.2kbps RMC	1752.6	23.35	-1.50	21.85	<=30	Pass
		12.2kbps AMR	1752.6	23.38	-1.50	21.88	<=30	Pass
	HSUPA	Subtest 1	1712.4	21.37	-1.50	19.87	<=30	Pass
		Subtest 2	1712.4	21.66	-1.50	20.16	<=30	Pass
		Subtest 3	1712.4	21.66	-1.50	20.16	<=30	Pass
		Subtest 4	1712.4	21.06	-1.50	19.56	<=30	Pass
		Subtest 5	1712.4	20.51	-1.50	19.01	<=30	Pass
		Subtest 1	1732.6	21.35	-1.50	19.85	<=30	Pass
		Subtest 2	1732.6	21.77	-1.50	20.27	<=30	Pass
		Subtest 3	1732.6	21.76	-1.50	20.26	<=30	Pass
		Subtest 4	1732.6	21.05	-1.50	19.55	<=30	Pass
		Subtest 5	1732.6	20.64	-1.50	19.14	<=30	Pass
		Subtest 1	1752.6	21.59	-1.50	20.09	<=30	Pass
		Subtest 2	1752.6	21.90	-1.50	20.40	<=30	Pass
		Subtest 3	1752.6	21.89	-1.50	20.39	<=30	Pass
		Subtest 4	1752.6	21.33	-1.50	19.83	<=30	Pass
		Subtest 5	1752.6	20.84	-1.50	19.34	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 Band4

Band: 4							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1712.4	20	3.27	1.352	0.0008	-2.5 to 2.5	Pass
			3.85	1.945	0.0011	-2.5 to 2.5	Pass
			4.43	2.024	0.0012	-2.5 to 2.5	Pass
		-30	3.85	1.531	0.0009	-2.5 to 2.5	Pass
		-20	3.85	2.131	0.0012	-2.5 to 2.5	Pass
		-10	3.85	1.895	0.0011	-2.5 to 2.5	Pass
		0	3.85	1.760	0.0010	-2.5 to 2.5	Pass
		10	3.85	1.824	0.0011	-2.5 to 2.5	Pass
		30	3.85	1.910	0.0011	-2.5 to 2.5	Pass
		40	3.85	2.038	0.0012	-2.5 to 2.5	Pass
		50	3.85	1.988	0.0012	-2.5 to 2.5	Pass
	1732.6	20	3.27	-1.652	-0.0010	-2.5 to 2.5	Pass
			3.85	-1.380	-0.0008	-2.5 to 2.5	Pass

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			4.43	-1.380	-0.0008	-2.5 to 2.5	Pass
		-30	3.85	-1.938	-0.0011	-2.5 to 2.5	Pass
		-20	3.85	-1.738	-0.0010	-2.5 to 2.5	Pass
		-10	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
		0	3.85	-1.624	-0.0009	-2.5 to 2.5	Pass
		10	3.85	-1.881	-0.0011	-2.5 to 2.5	Pass
		30	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
		40	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
		50	3.85	-2.153	-0.0012	-2.5 to 2.5	Pass
	1752.6	20	3.27	-4.671	-0.0027	-2.5 to 2.5	Pass
			3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
			4.43	-4.900	-0.0028	-2.5 to 2.5	Pass
		-30	3.85	-4.299	-0.0025	-2.5 to 2.5	Pass
		-20	3.85	-4.241	-0.0024	-2.5 to 2.5	Pass
		-10	3.85	-4.764	-0.0027	-2.5 to 2.5	Pass
		0	3.85	-4.420	-0.0025	-2.5 to 2.5	Pass
		10	3.85	-4.442	-0.0025	-2.5 to 2.5	Pass
		30	3.85	-4.463	-0.0025	-2.5 to 2.5	Pass
		40	3.85	-4.828	-0.0028	-2.5 to 2.5	Pass
		50	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
HSUPA	1712.4	20	3.27	1.030	0.0006	-2.5 to 2.5	Pass
			3.85	0.715	0.0004	-2.5 to 2.5	Pass
			4.43	0.973	0.0006	-2.5 to 2.5	Pass
		-30	3.85	0.844	0.0005	-2.5 to 2.5	Pass
		-20	3.85	0.665	0.0004	-2.5 to 2.5	Pass
		-10	3.85	0.508	0.0003	-2.5 to 2.5	Pass
		0	3.85	1.044	0.0006	-2.5 to 2.5	Pass
		10	3.85	0.765	0.0004	-2.5 to 2.5	Pass
		30	3.85	0.651	0.0004	-2.5 to 2.5	Pass
		40	3.85	0.515	0.0003	-2.5 to 2.5	Pass
		50	3.85	0.737	0.0004	-2.5 to 2.5	Pass
	1732.6	20	3.27	1.187	0.0007	-2.5 to 2.5	Pass
			3.85	1.080	0.0006	-2.5 to 2.5	Pass
			4.43	0.772	0.0004	-2.5 to 2.5	Pass
		-30	3.85	2.003	0.0012	-2.5 to 2.5	Pass
		-20	3.85	0.708	0.0004	-2.5 to 2.5	Pass
		-10	3.85	1.481	0.0009	-2.5 to 2.5	Pass
		0	3.85	1.395	0.0008	-2.5 to 2.5	Pass
		10	3.85	1.209	0.0007	-2.5 to 2.5	Pass
		30	3.85	1.659	0.0010	-2.5 to 2.5	Pass
		40	3.85	1.860	0.0011	-2.5 to 2.5	Pass
		50	3.85	0.687	0.0004	-2.5 to 2.5	Pass
	1752.6	20	3.27	-1.445	-0.0008	-2.5 to 2.5	Pass
			3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
			4.43	-1.667	-0.0010	-2.5 to 2.5	Pass
		-30	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
		-20	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
		-10	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
		0	3.85	-1.910	-0.0011	-2.5 to 2.5	Pass
		10	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
		30	3.85	-1.752	-0.0010	-2.5 to 2.5	Pass
		40	3.85	-1.438	-0.0008	-2.5 to 2.5	Pass
		50	3.85	-1.853	-0.0011	-2.5 to 2.5	Pass



3. Modulation Characteristics

3.1 Test Result

3.1.1 Band4

Band: 4

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ENV	Mode		Frequency (MHz)	Modulation Characteristics		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1732.6	Refer To Test Graph		Pass
	HSUPA	Subtest 1	1732.6	Refer To Test Graph		Pass

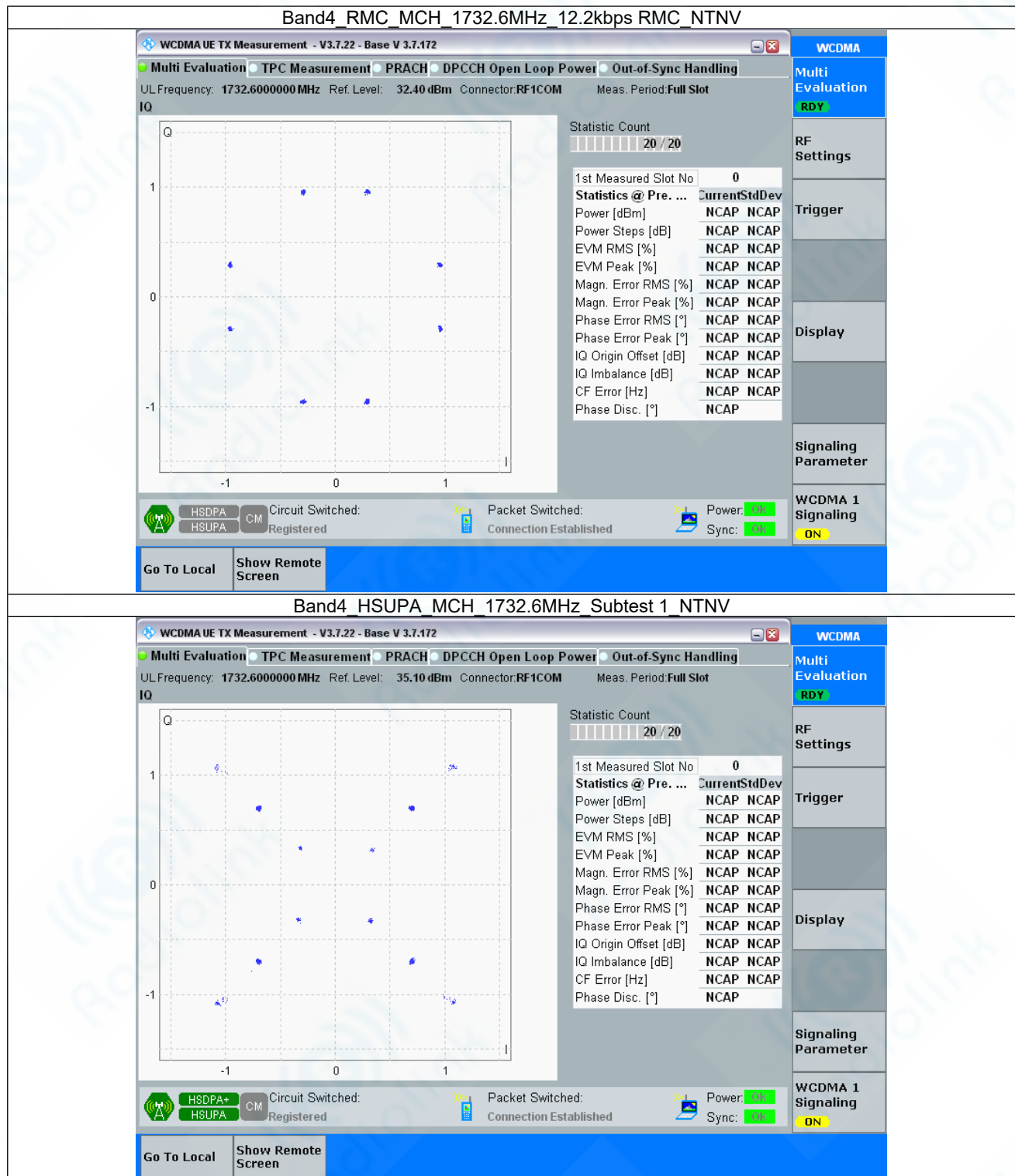


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3.2 Test Graph

3.2.1 Band4



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4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

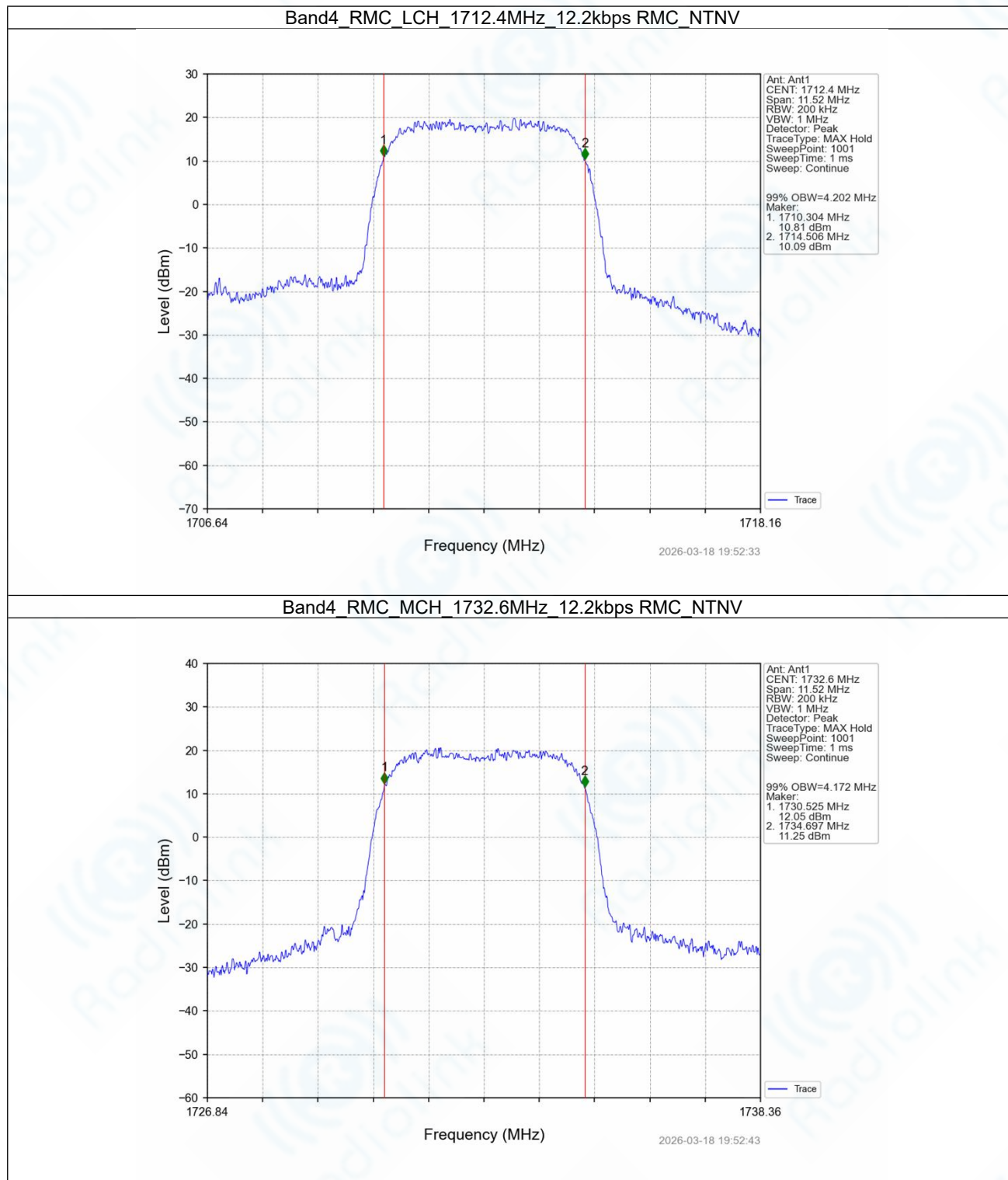
Band: 4						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.202	/	Pass
			1732.6	4.172	/	Pass
			1752.6	4.182	/	Pass
	HSUPA	Subtest 1	1712.4	4.207	/	Pass
			1732.6	4.188	/	Pass
			1752.6	4.199	/	Pass

4.1.2 Band4_XDB

Band: 4						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.837	/	Pass
			1732.6	4.824	/	Pass
			1752.6	4.811	/	Pass
	HSUPA	Subtest 1	1712.4	4.839	/	Pass
			1732.6	4.830	/	Pass
			1752.6	4.844	/	Pass

4.2 Test Graph

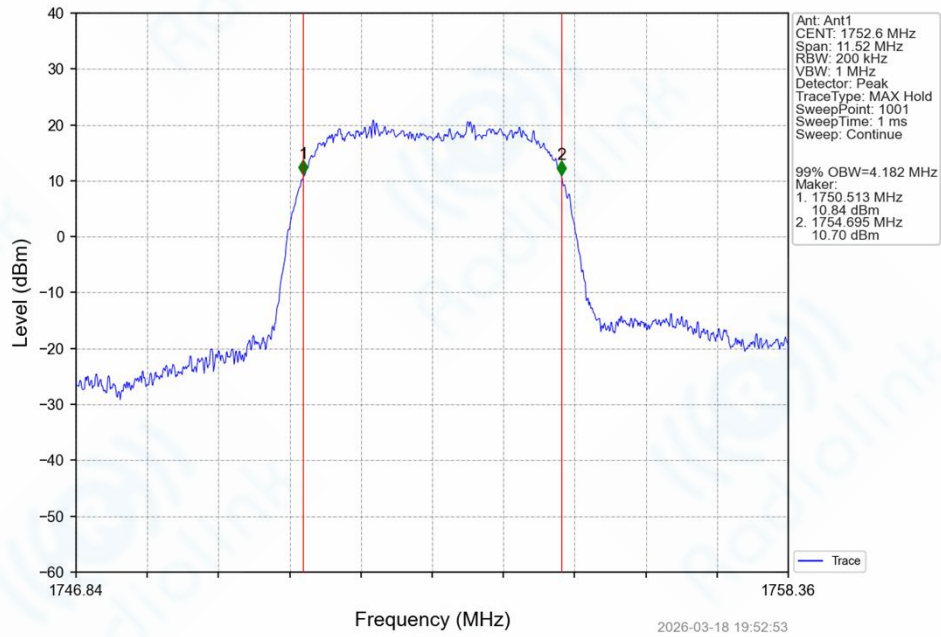
4.2.1 Band4_OBW



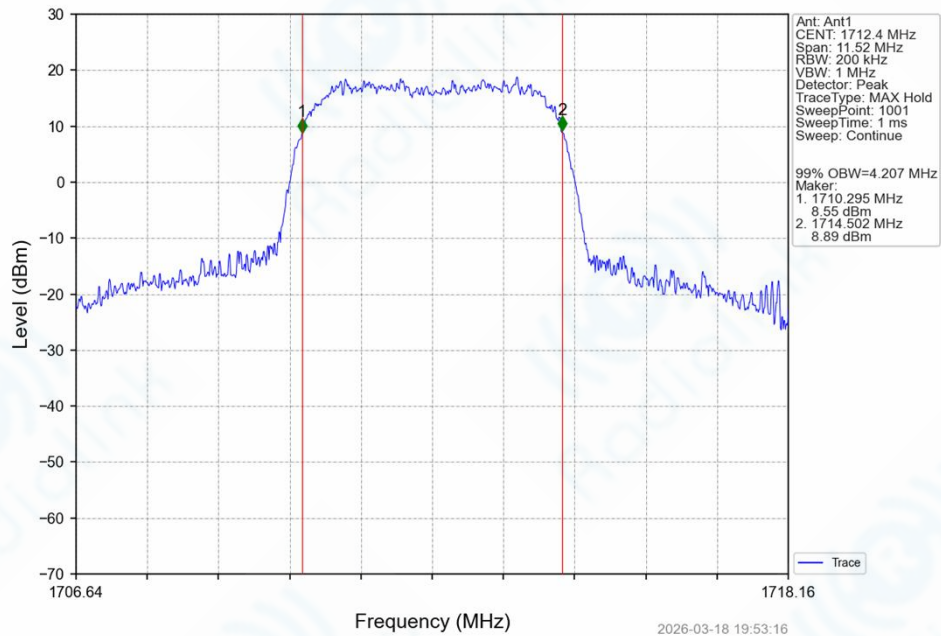
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Band4_RMC_HCH_1752.6MHz_12.2kbps_RMC_NTNV



Band4_HSUPA_LCH_1712.4MHz_Subtest 1_NTNV

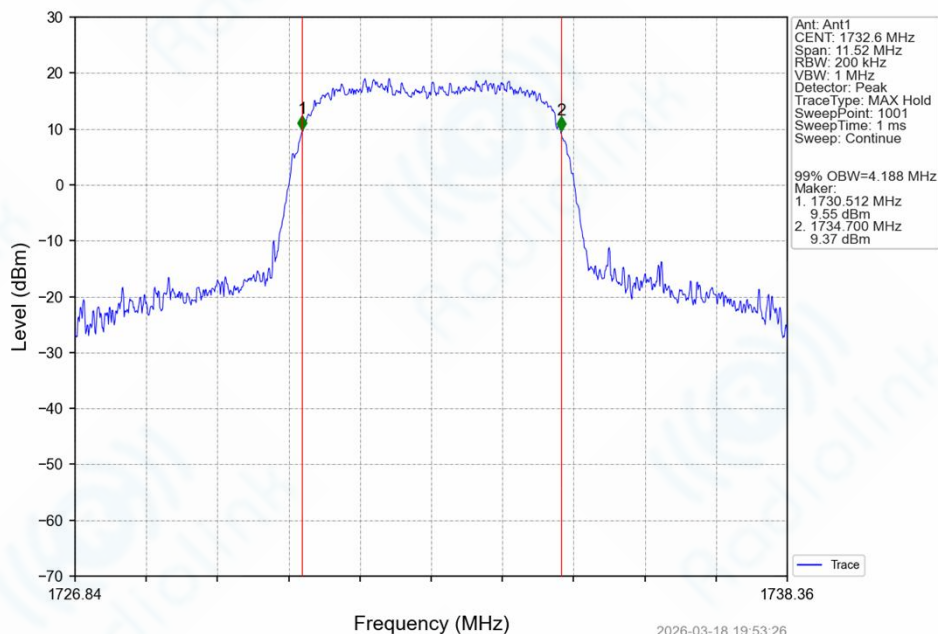


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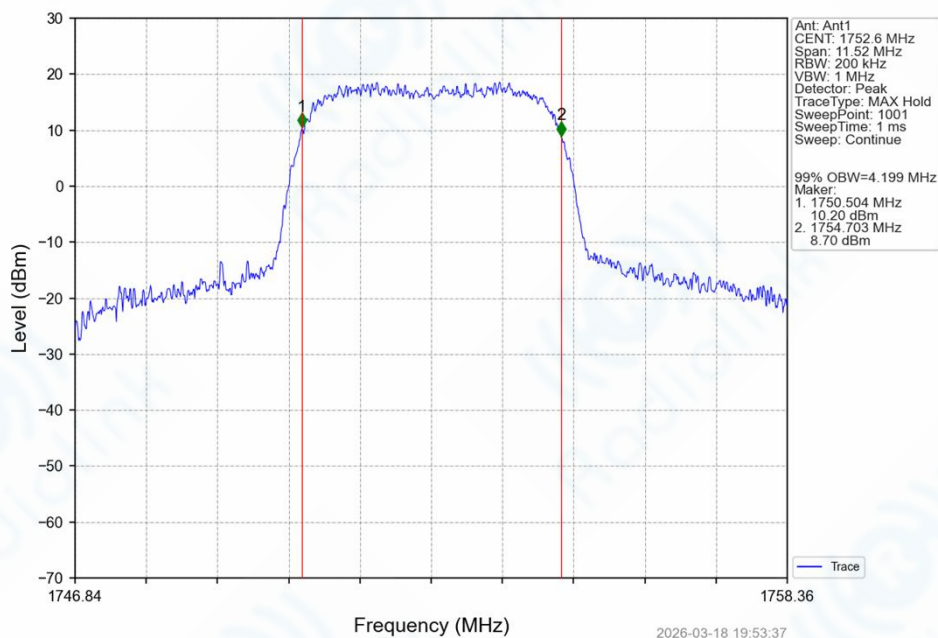
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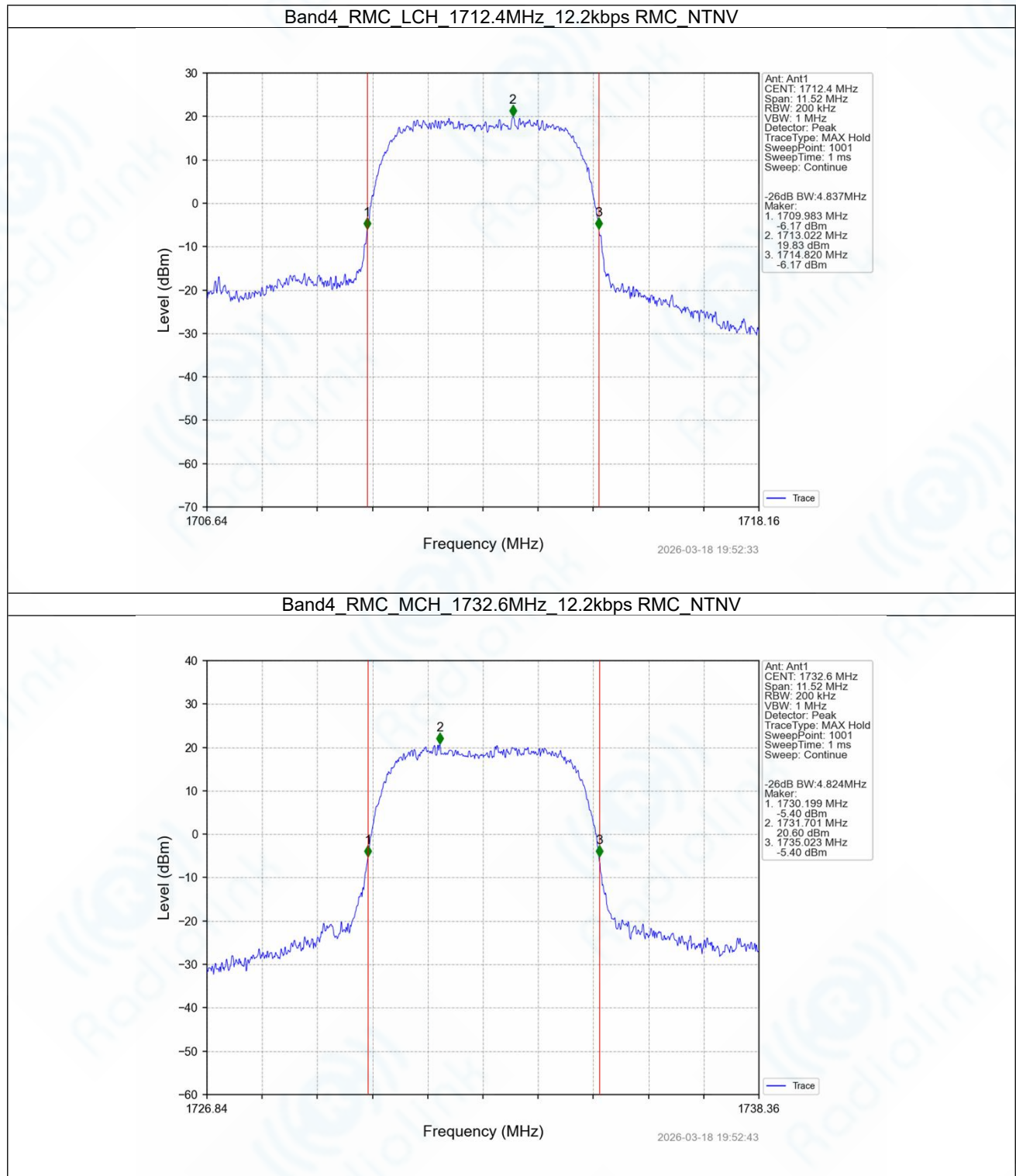
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Band4_HSUPA_HCH_1752.6MHz_Subtest 1_NTNV



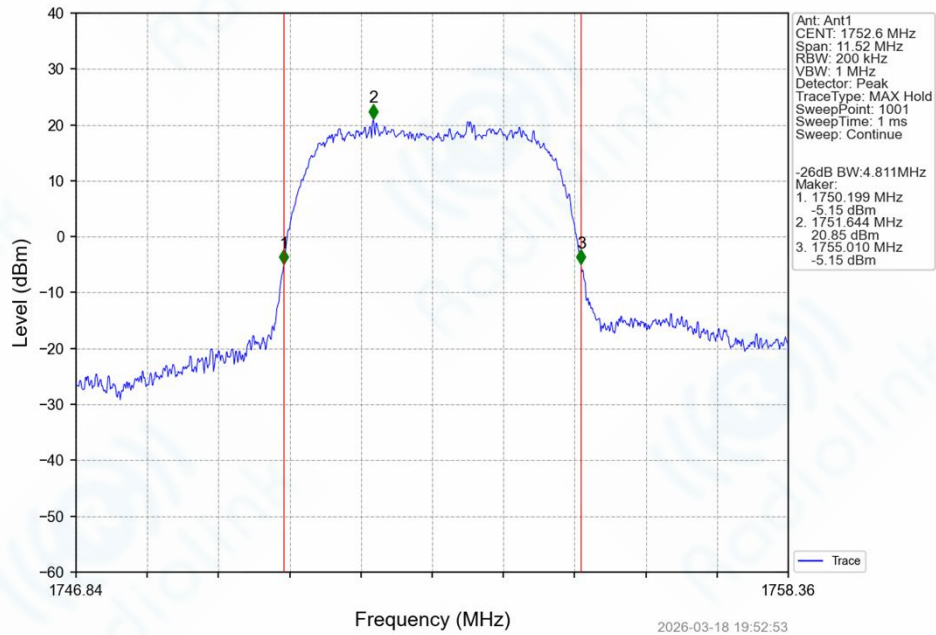
4.2.2 Band4_XDB



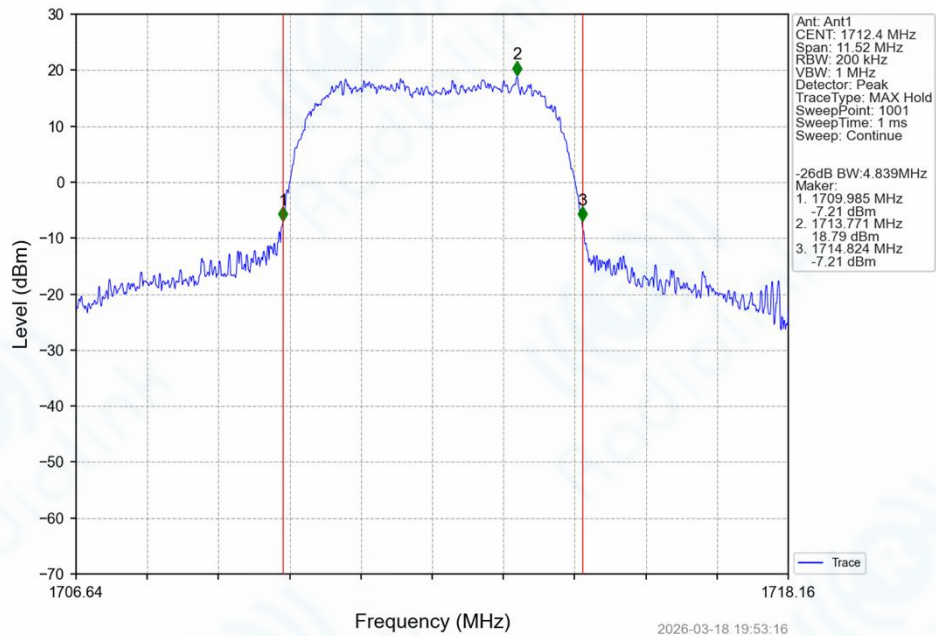
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Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV



Band4_HSUPA_LCH_1712.4MHz_Subtest 1_NTNV

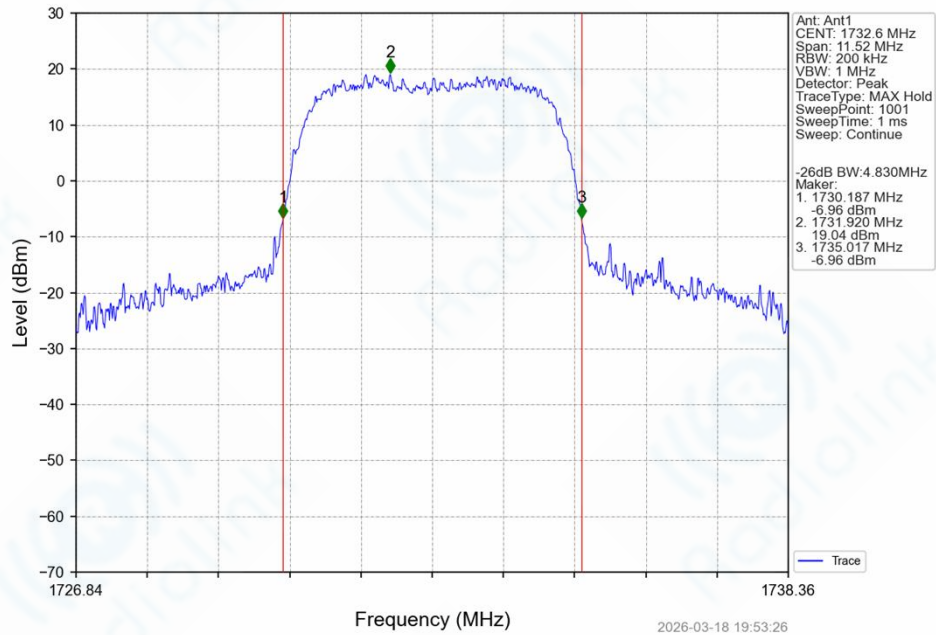


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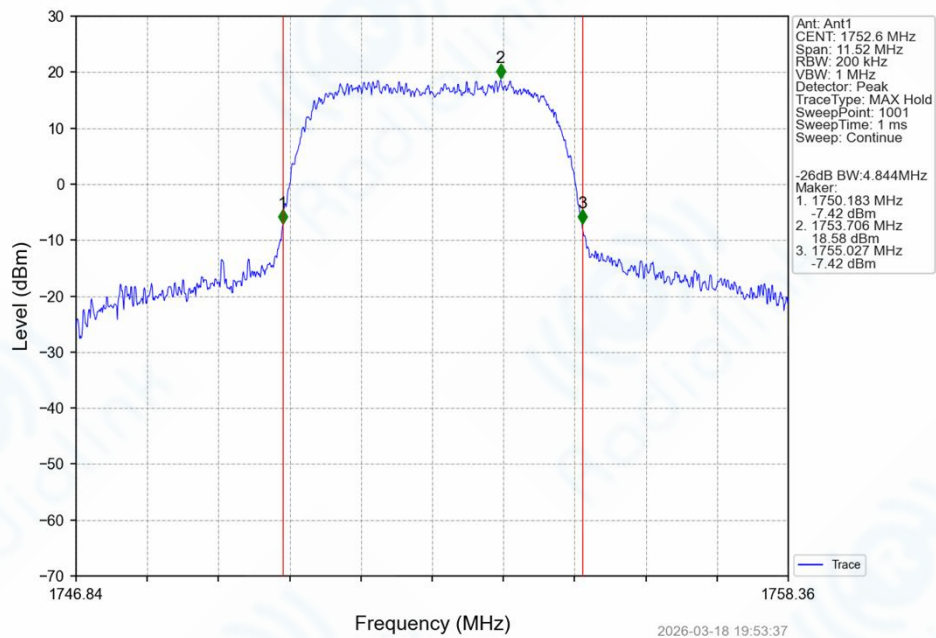
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Band4_HSUPA_MCH_1732.6MHz_Subtest 1_NTNV



Band4_HSUPA_HCH_1752.6MHz_Subtest 1_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 Band4

Band: 4						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	2.69	<=13	Pass
			1732.6	2.80	<=13	Pass
			1752.6	2.71	<=13	Pass
	HSUPA	Subtest 1	1712.4	4.10	<=13	Pass
			1732.6	4.91	<=13	Pass
			1752.6	4.93	<=13	Pass

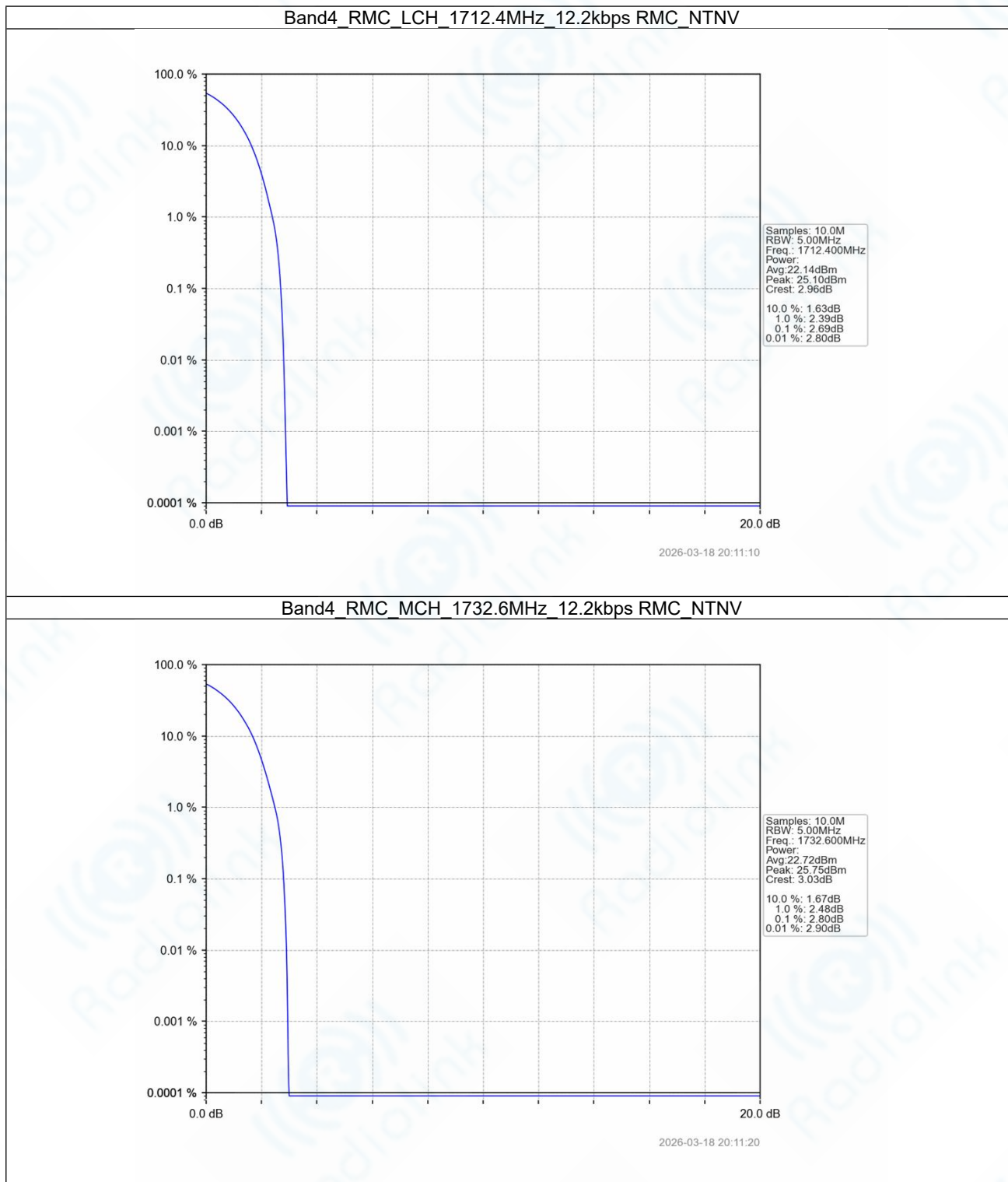


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5.2 Test Graph

5.2.1 Band4

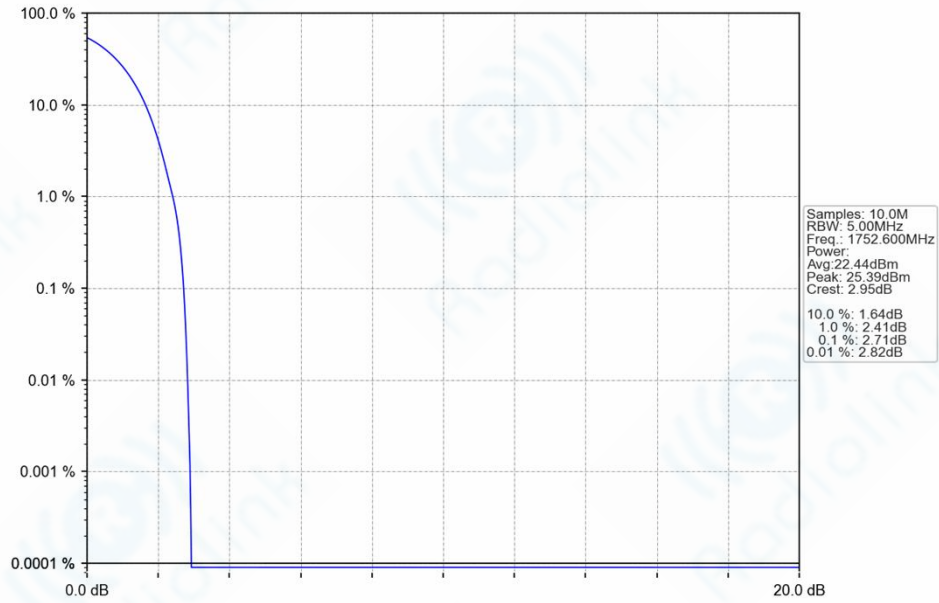


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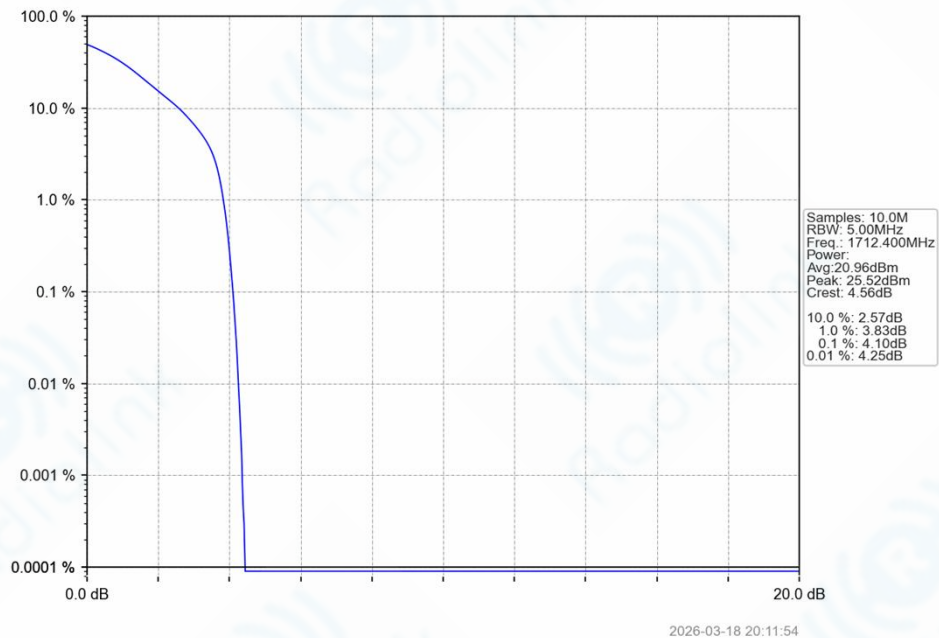
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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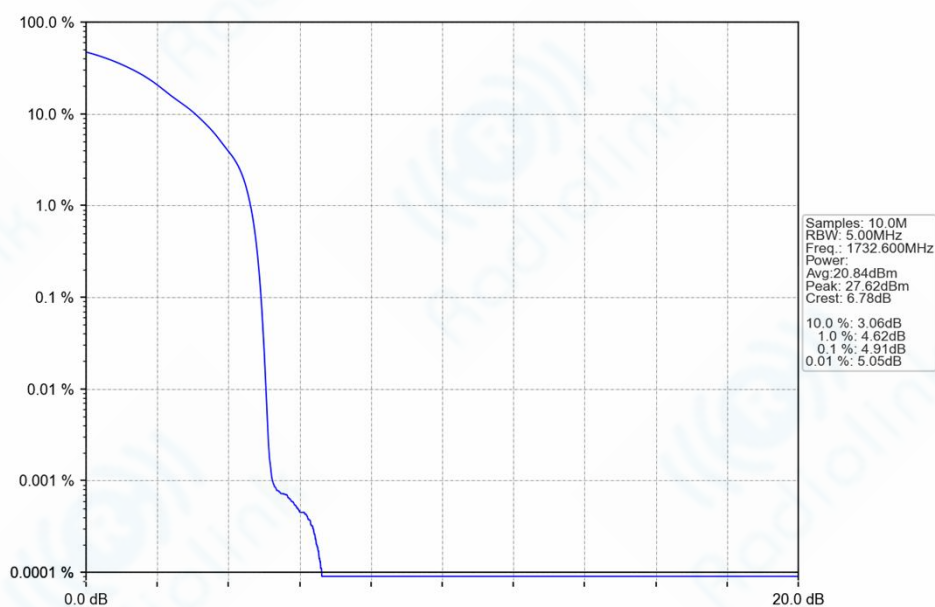
Band4_RMC_HCH_1752.6MHz_12.2kbps_RMC_NTNV



Band4_HSUPA_LCH_1712.4MHz_Subtest 1_NTNV

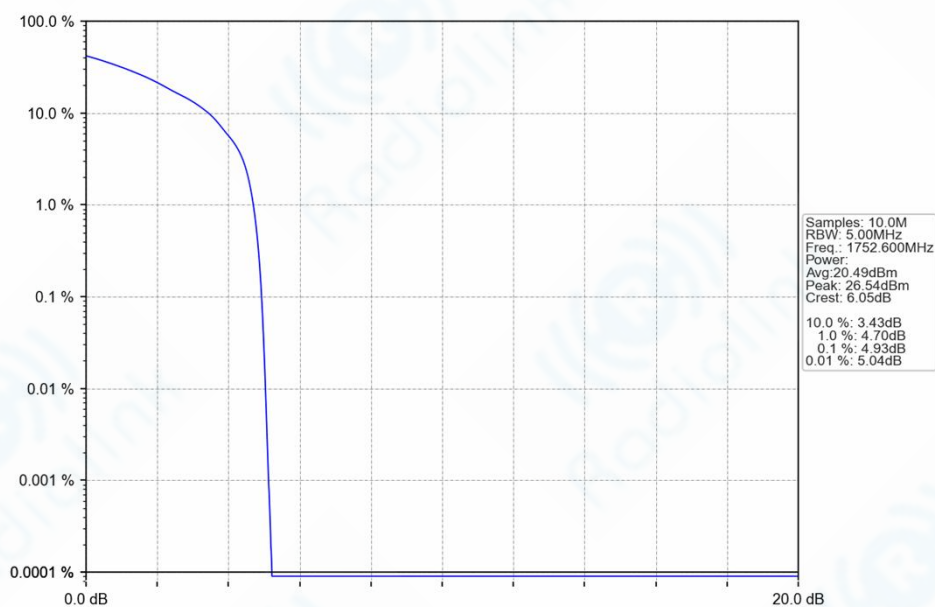


Band4_HSUPA_MCH_1732.6MHz_Subtest 1_NTNV



2026-03-18 20:12:07

Band4_HSUPA_HCH_1752.6MHz_Subtest 1_NTNV



2026-03-18 20:12:18


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6. Spurious Emission

6.1 Test Result

6.1.1 Band4

Band: 4						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	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

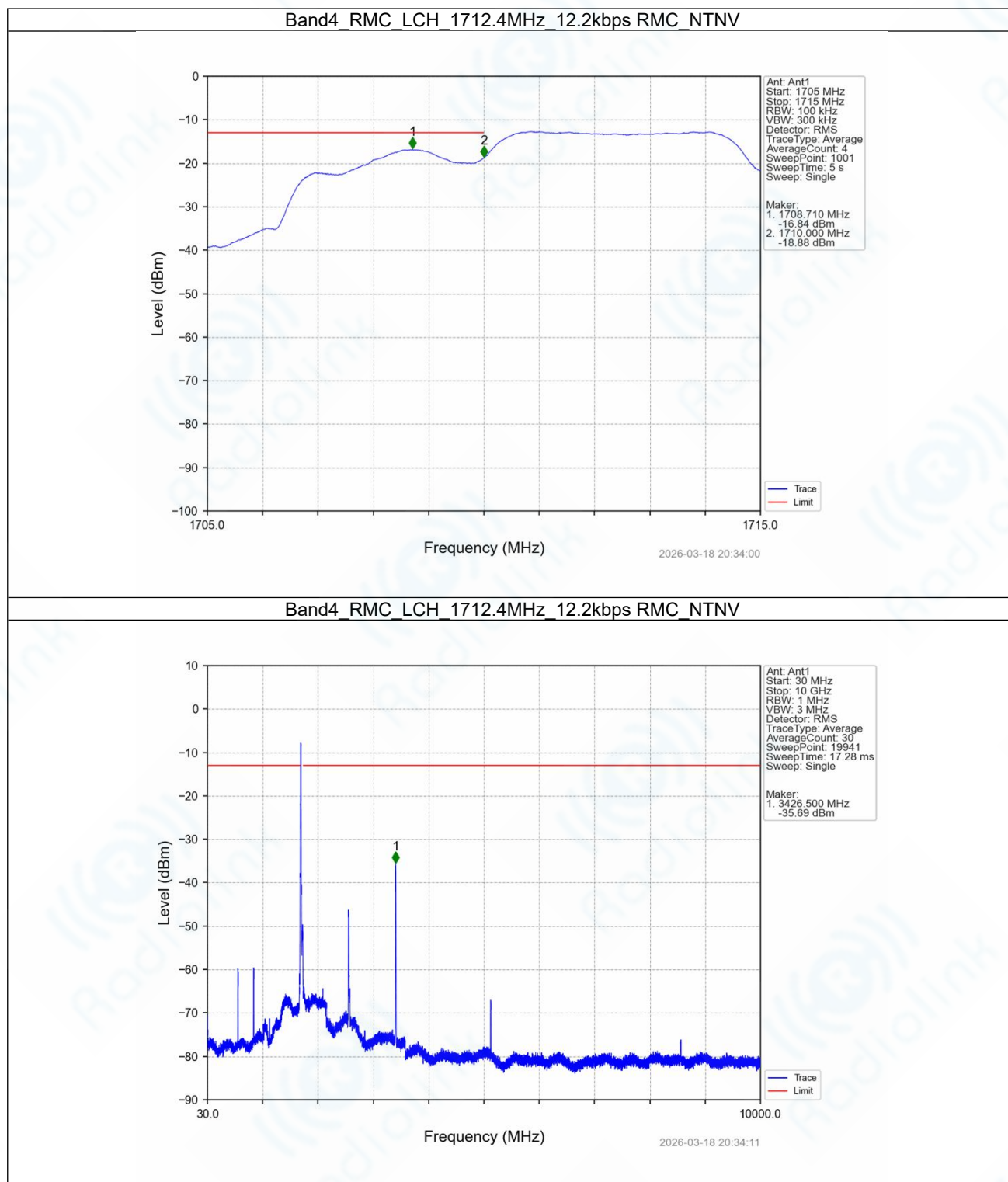


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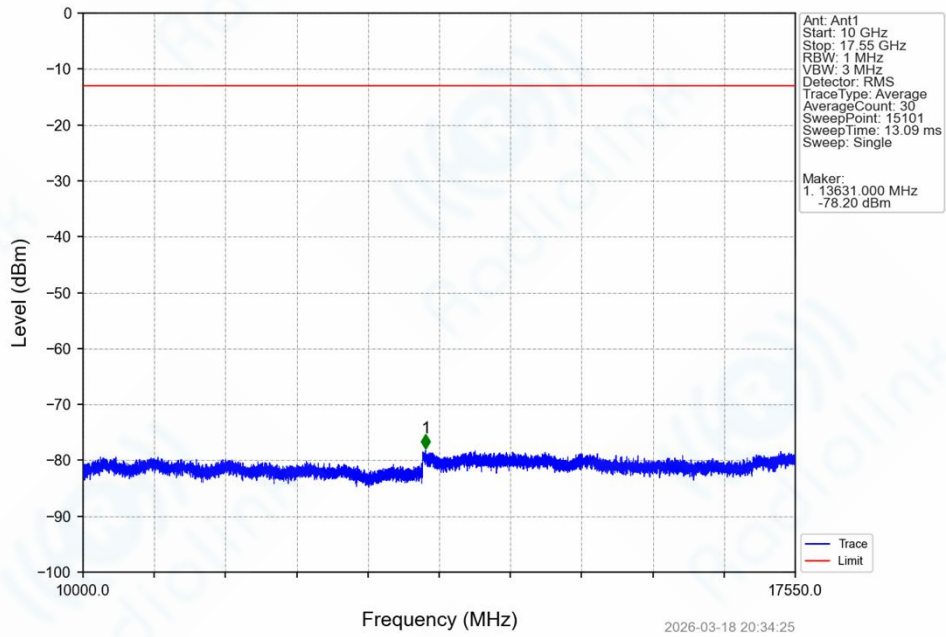
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6.2 Test Graph

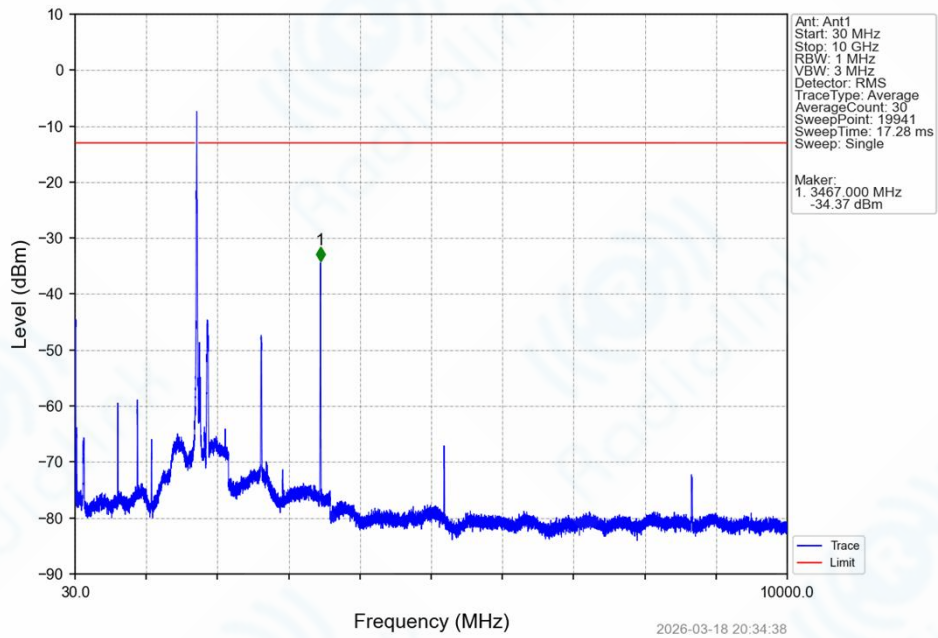
6.2.1 Band4



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Band4_RMC_MCH_1732.6MHz_12.2kbps RMC_NTNV

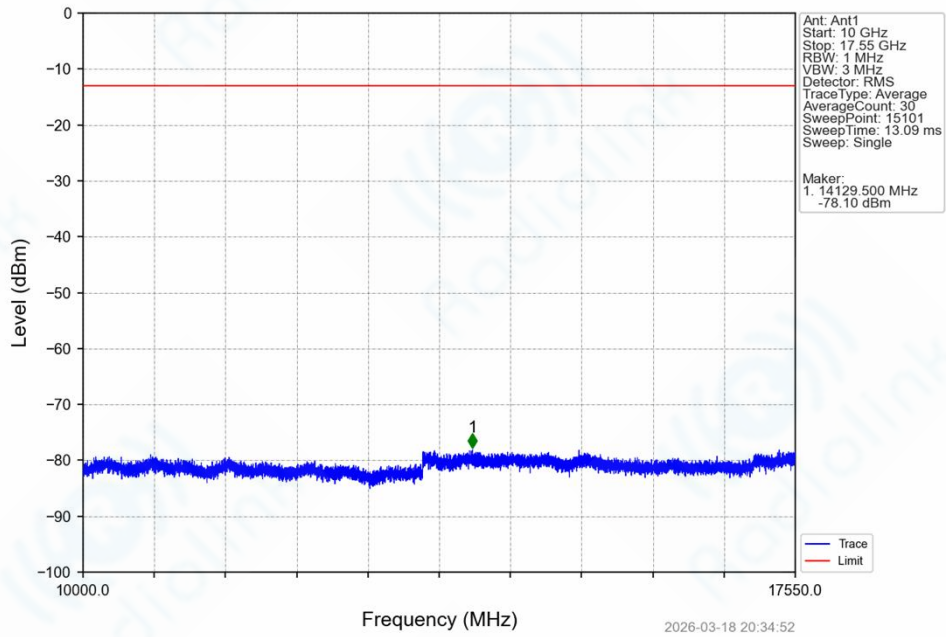


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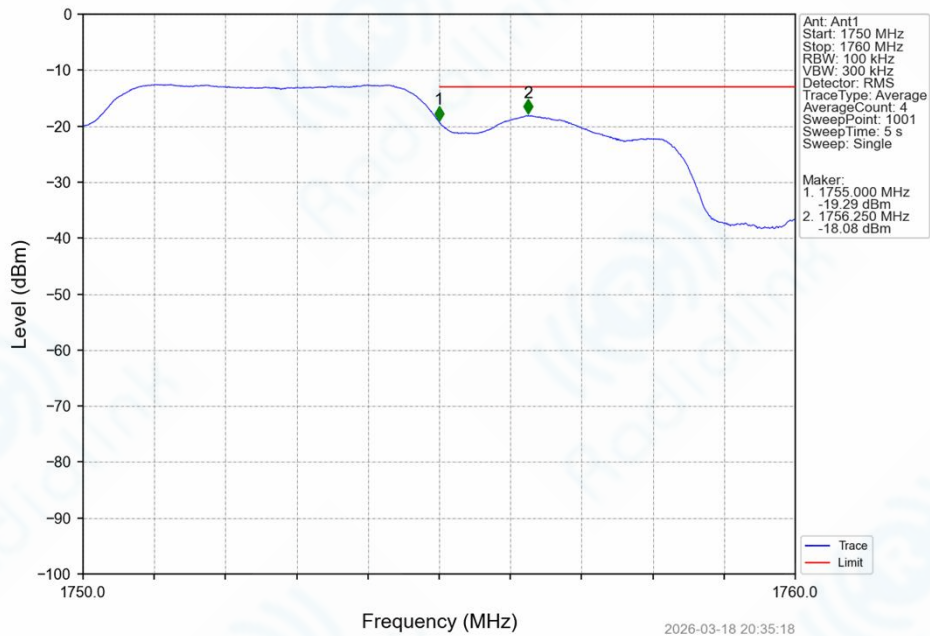
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Band4_RMC_MCH_1732.6MHz_12.2kbps RMC_NTNV



Band4_RMC_HCH_1752.6MHz_12.2kbps RMC_NTNV

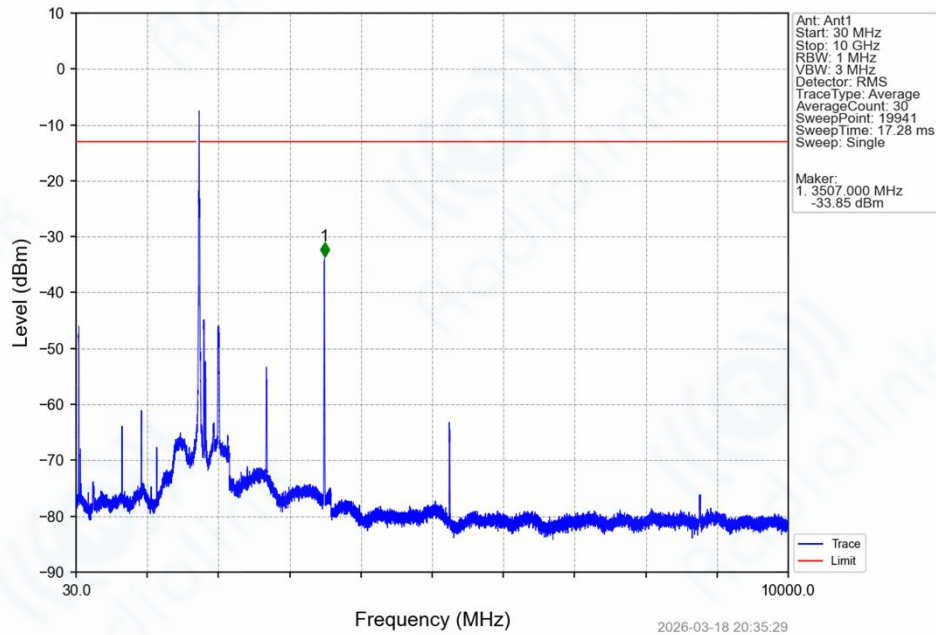


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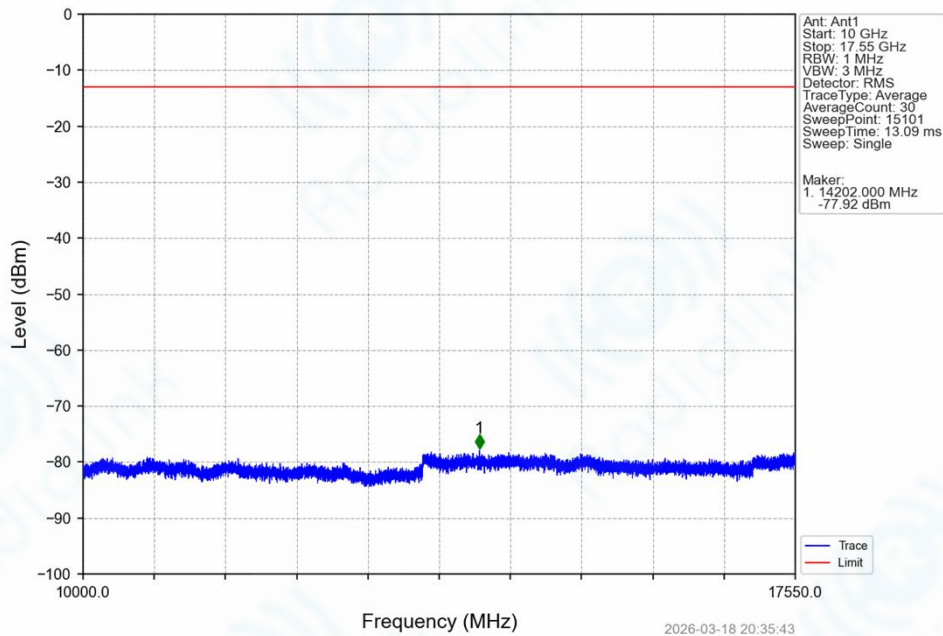
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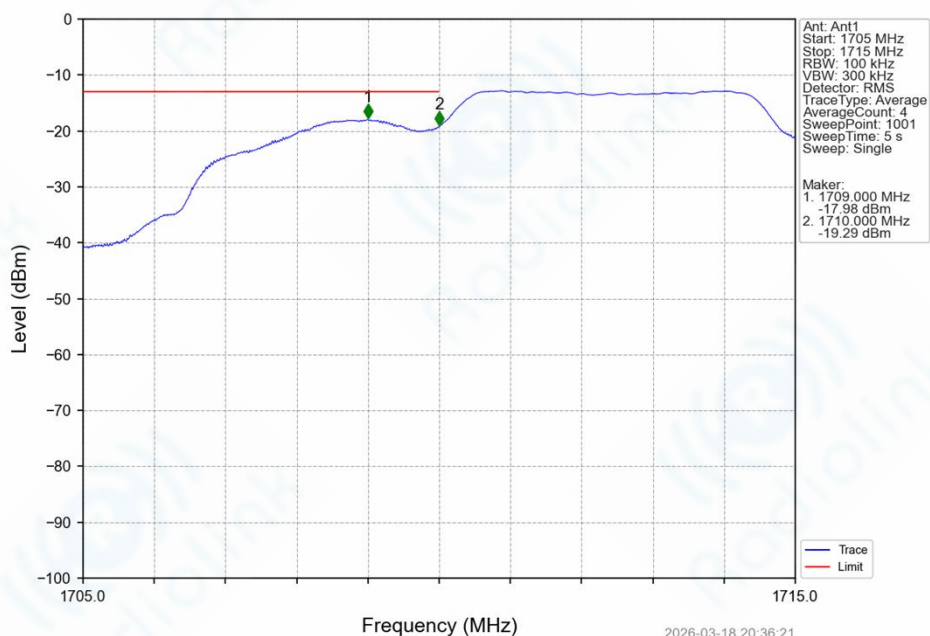
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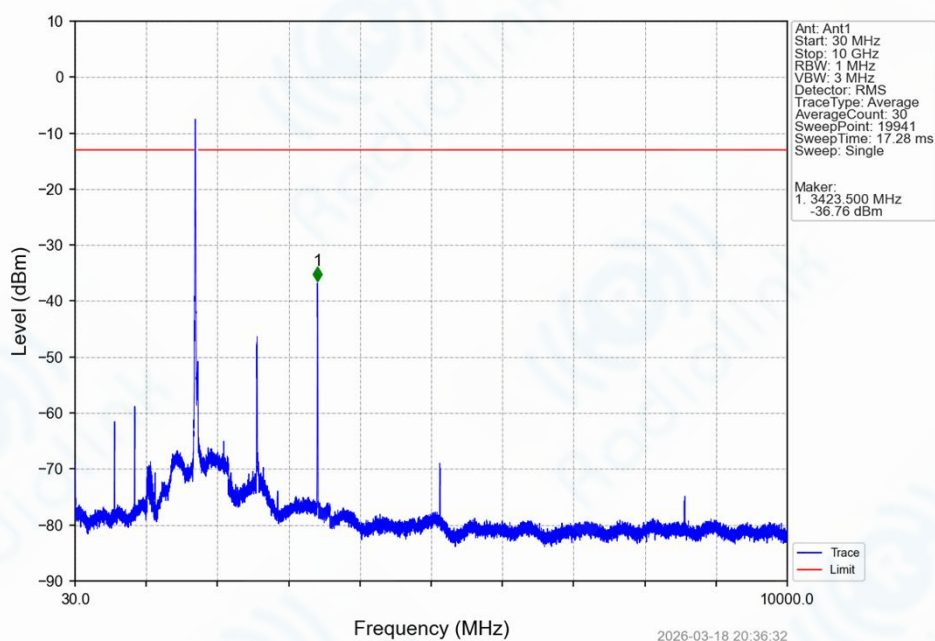
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Band4_HSUPA_LCH_1712.4MHz_Subtest 1_NTNV



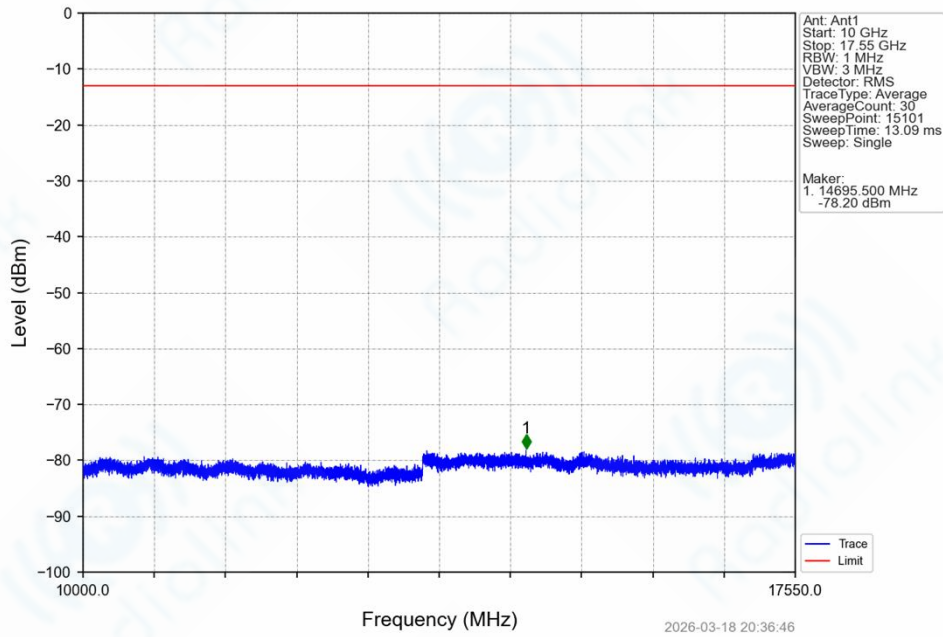
Band4_HSUPA_LCH_1712.4MHz_Subtest 1_NTNV



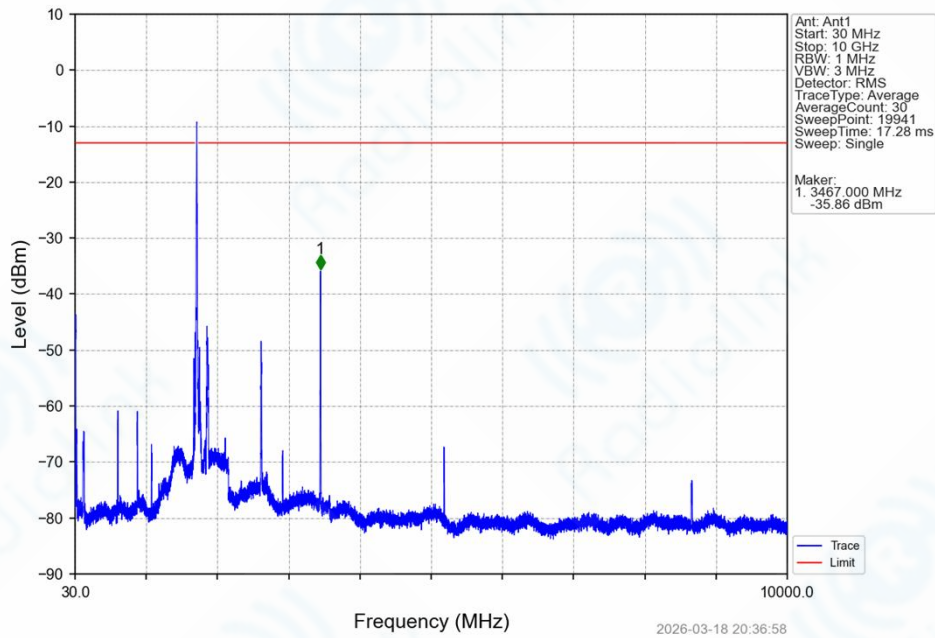
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Band4_HSUPA_LCH_1712.4MHz_Subtest 1_NTNV



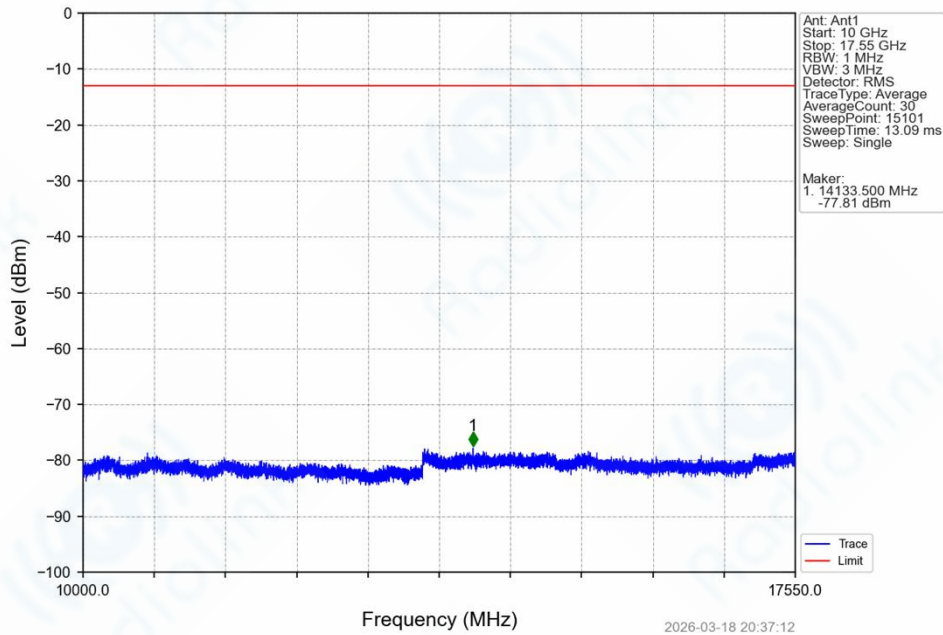
Band4_HSUPA_MCH_1732.6MHz_Subtest 1_NTNV


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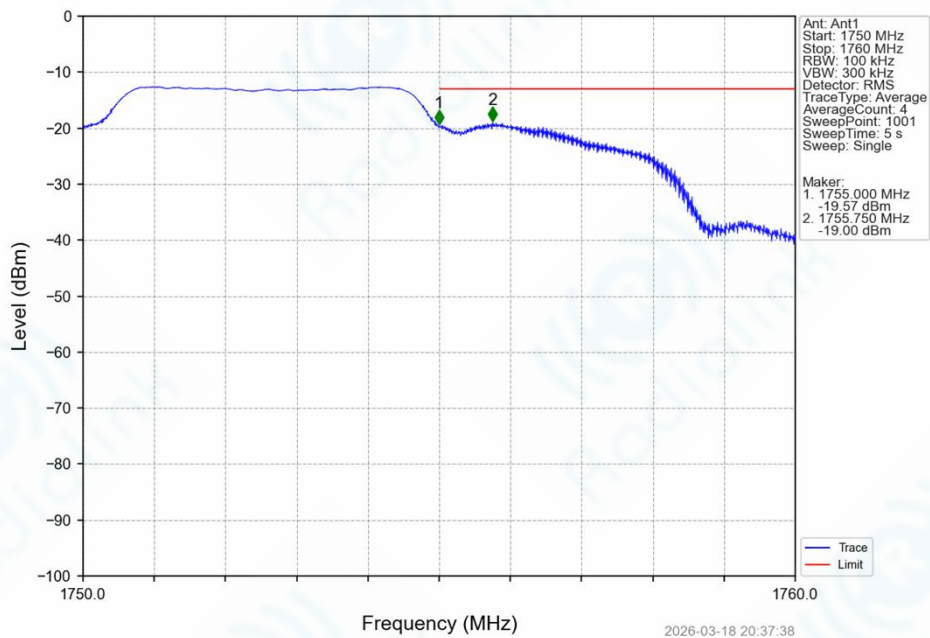
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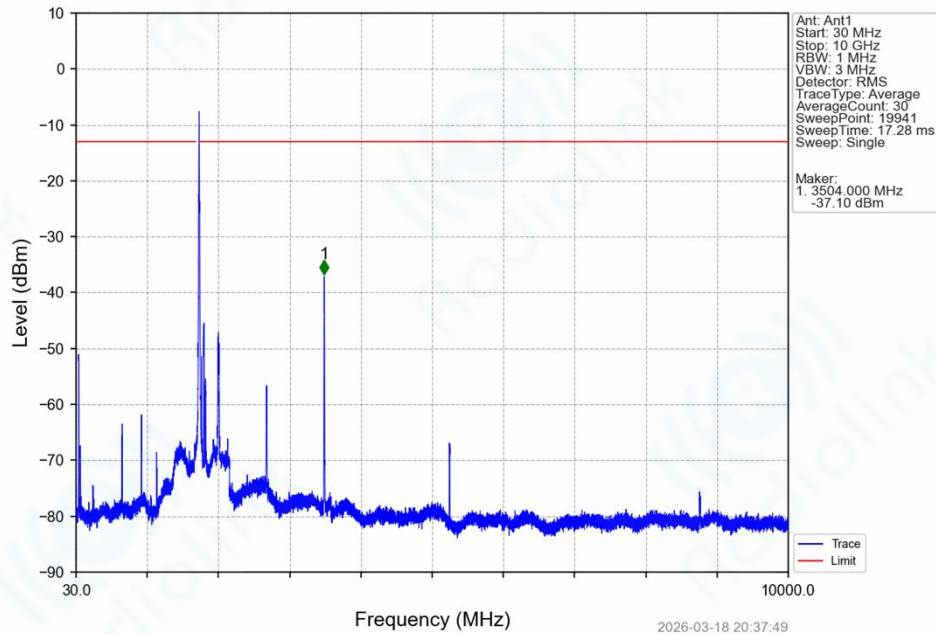
Band4_HSUPA_MCH_1732.6MHz_Subtest 1_NTNV



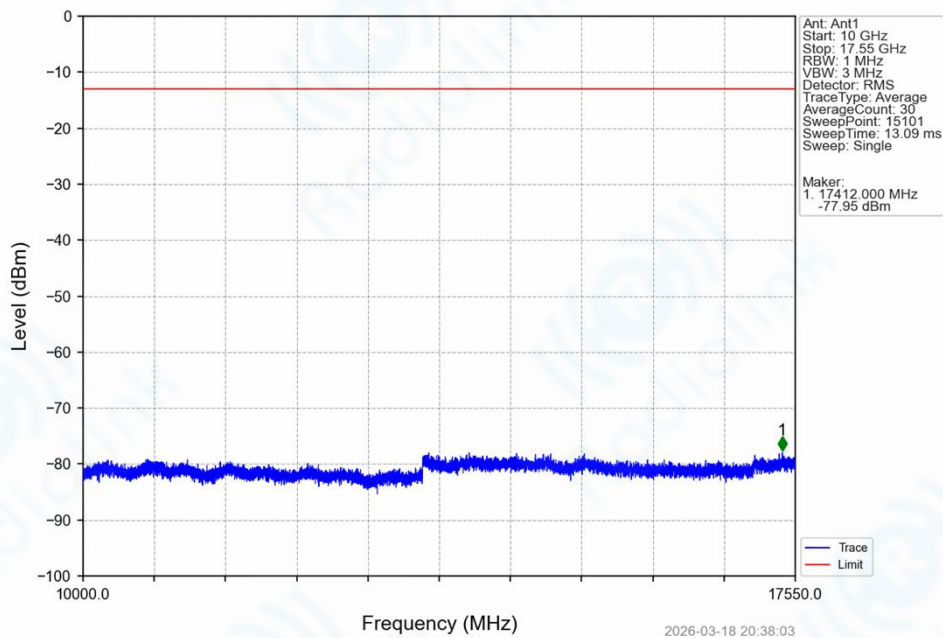
Band4_HSUPA_HCH_1752.6MHz_Subtest 1_NTNV



Band4_HSUPA_HCH_1752.6MHz_Subtest 1_NTNV



Band4_HSUPA_HCH_1752.6MHz_Subtest 1_NTNV


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7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	3.84	1712.4	1752.6	0.2178	99.0000	ppm	4M21F9W	27L	23.38

7.1.2 Form731_EIRP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	3.84	1712.4	1752.6	0.1542	99.0000	ppm	4M21F9W	27L	21.88



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