

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 BandIV_EIRP

Band: IV								
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
	Network	Subset				Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	22.71	-1.53	21.18	<=30	Pass
			1732.6	22.86	-1.53	21.33	<=30	Pass
			1752.6	22.74	-1.53	21.21	<=30	Pass
	HSDPA	Subtest 1	1712.4	20.73	-1.53	19.20	<=30	Pass
		Subtest 2	1712.4	20.73	-1.53	19.20	<=30	Pass
		Subtest 3	1712.4	20.74	-1.53	19.21	<=30	Pass
		Subtest 4	1712.4	20.75	-1.53	19.22	<=30	Pass
		Subtest 1	1732.6	20.87	-1.53	19.34	<=30	Pass
		Subtest 2	1732.6	20.88	-1.53	19.35	<=30	Pass
		Subtest 3	1732.6	20.87	-1.53	19.34	<=30	Pass
		Subtest 4	1732.6	20.88	-1.53	19.35	<=30	Pass
		Subtest 1	1752.6	20.48	-1.53	18.95	<=30	Pass
		Subtest 2	1752.6	20.48	-1.53	18.95	<=30	Pass
		Subtest 3	1752.6	20.50	-1.53	18.97	<=30	Pass
		Subtest 4	1752.6	20.50	-1.53	18.97	<=30	Pass
	HSUPA	Subtest 1	1712.4	19.01	-1.53	17.48	<=30	Pass
		Subtest 2	1712.4	18.55	-1.53	17.02	<=30	Pass
		Subtest 3	1712.4	18.76	-1.53	17.23	<=30	Pass
		Subtest 4	1712.4	19.01	-1.53	17.48	<=30	Pass
		Subtest 5	1712.4	18.81	-1.53	17.28	<=30	Pass
		Subtest 1	1732.6	18.87	-1.53	17.34	<=30	Pass
		Subtest 2	1732.6	19.13	-1.53	17.60	<=30	Pass
		Subtest 3	1732.6	18.89	-1.53	17.36	<=30	Pass
		Subtest 4	1732.6	18.88	-1.53	17.35	<=30	Pass
		Subtest 5	1732.6	19.16	-1.53	17.63	<=30	Pass
		Subtest 1	1752.6	18.87	-1.53	17.34	<=30	Pass
		Subtest 2	1752.6	18.62	-1.53	17.09	<=30	Pass
		Subtest 3	1752.6	18.62	-1.53	17.09	<=30	Pass
		Subtest 4	1752.6	18.64	-1.53	17.11	<=30	Pass
		Subtest 5	1752.6	18.67	-1.53	17.14	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 Band IV

Band: IV							
Network	Frequency (MHz)	Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1712.4	20	LV	4.716	0.0028	-2.5 to 2.5	Pass
			NV	-1.261	-0.0007	-2.5 to 2.5	Pass
			HV	0.238	0.0001	-2.5 to 2.5	Pass
		-30	NV	1.252	0.0007	-2.5 to 2.5	Pass
		-20	NV	1.510	0.0009	-2.5 to 2.5	Pass
		-10	NV	0.824	0.0005	-2.5 to 2.5	Pass
		0	NV	1.521	0.0009	-2.5 to 2.5	Pass
		10	NV	0.911	0.0005	-2.5 to 2.5	Pass
		30	NV	3.251	0.0019	-2.5 to 2.5	Pass
		40	NV	2.747	0.0016	-2.5 to 2.5	Pass
		50	NV	5.029	0.0029	-2.5 to 2.5	Pass
	1732.6	20	LV	0.874	0.0005	-2.5 to 2.5	Pass
			NV	-0.676	-0.0004	-2.5 to 2.5	Pass
			HV	0.974	0.0006	-2.5 to 2.5	Pass
		-30	NV	1.057	0.0006	-2.5 to 2.5	Pass
		-20	NV	1.598	0.0009	-2.5 to 2.5	Pass
		-10	NV	-1.015	-0.0006	-2.5 to 2.5	Pass
		0	NV	1.945	0.0011	-2.5 to 2.5	Pass
		10	NV	-1.023	-0.0006	-2.5 to 2.5	Pass
		30	NV	1.503	0.0009	-2.5 to 2.5	Pass
		40	NV	-0.164	-0.0001	-2.5 to 2.5	Pass
		50	NV	1.616	0.0009	-2.5 to 2.5	Pass
	1752.6	20	LV	-4.184	-0.0024	-2.5 to 2.5	Pass
			NV	-2.492	-0.0014	-2.5 to 2.5	Pass
			HV	-2.051	-0.0012	-2.5 to 2.5	Pass
		-30	NV	-4.303	-0.0025	-2.5 to 2.5	Pass
		-20	NV	-0.741	-0.0004	-2.5 to 2.5	Pass
		-10	NV	-3.443	-0.0020	-2.5 to 2.5	Pass
		0	NV	-1.732	-0.0010	-2.5 to 2.5	Pass
		10	NV	-1.350	-0.0008	-2.5 to 2.5	Pass
		30	NV	0.130	0.0001	-2.5 to 2.5	Pass
		40	NV	-3.547	-0.0020	-2.5 to 2.5	Pass
		50	NV	-3.308	-0.0019	-2.5 to 2.5	Pass
HSDPA	1712.4	20	LV	7.274	0.0042	-2.5 to 2.5	Pass
			NV	1.983	0.0012	-2.5 to 2.5	Pass
			HV	1.669	0.0010	-2.5 to 2.5	Pass
		-30	NV	1.854	0.0011	-2.5 to 2.5	Pass
		-20	NV	5.256	0.0031	-2.5 to 2.5	Pass
		-10	NV	2.146	0.0013	-2.5 to 2.5	Pass
		0	NV	4.858	0.0028	-2.5 to 2.5	Pass
		10	NV	4.021	0.0023	-2.5 to 2.5	Pass
		30	NV	4.449	0.0026	-2.5 to 2.5	Pass
		40	NV	3.141	0.0018	-2.5 to 2.5	Pass
		50	NV	3.006	0.0018	-2.5 to 2.5	Pass
	1732.6	20	LV	1.826	0.0011	-2.5 to 2.5	Pass
			NV	3.069	0.0018	-2.5 to 2.5	Pass
			HV	3.122	0.0018	-2.5 to 2.5	Pass

		-30	NV	1.147	0.0007	-2.5 to 2.5	Pass
		-20	NV	2.576	0.0015	-2.5 to 2.5	Pass
		-10	NV	-2.024	-0.0012	-2.5 to 2.5	Pass
		0	NV	1.501	0.0009	-2.5 to 2.5	Pass
		10	NV	2.187	0.0013	-2.5 to 2.5	Pass
		30	NV	-1.052	-0.0006	-2.5 to 2.5	Pass
		40	NV	2.014	0.0012	-2.5 to 2.5	Pass
		50	NV	-0.993	-0.0006	-2.5 to 2.5	Pass
	1752.6	20	LV	-3.489	-0.0020	-2.5 to 2.5	Pass
			NV	-4.684	-0.0027	-2.5 to 2.5	Pass
			HV	-1.986	-0.0011	-2.5 to 2.5	Pass
		-30	NV	-0.192	-0.0001	-2.5 to 2.5	Pass
		-20	NV	-3.775	-0.0022	-2.5 to 2.5	Pass
		-10	NV	-4.086	-0.0023	-2.5 to 2.5	Pass
		0	NV	-2.384	-0.0014	-2.5 to 2.5	Pass
		10	NV	0.460	0.0003	-2.5 to 2.5	Pass
		30	NV	1.342	0.0008	-2.5 to 2.5	Pass
		40	NV	-1.562	-0.0009	-2.5 to 2.5	Pass
		50	NV	0.554	0.0003	-2.5 to 2.5	Pass
HSUPA	1712.4	20	LV	3.846	0.0022	-2.5 to 2.5	Pass
			NV	0.324	0.0002	-2.5 to 2.5	Pass
			HV	0.566	0.0003	-2.5 to 2.5	Pass
		-30	NV	1.872	0.0011	-2.5 to 2.5	Pass
		-20	NV	0.024	0.0000	-2.5 to 2.5	Pass
		-10	NV	2.824	0.0016	-2.5 to 2.5	Pass
		0	NV	1.826	0.0011	-2.5 to 2.5	Pass
		10	NV	3.446	0.0020	-2.5 to 2.5	Pass
		30	NV	6.273	0.0037	-2.5 to 2.5	Pass
		40	NV	1.701	0.0010	-2.5 to 2.5	Pass
		50	NV	2.886	0.0017	-2.5 to 2.5	Pass
	1732.6	20	LV	3.907	0.0023	-2.5 to 2.5	Pass
			NV	-2.503	-0.0014	-2.5 to 2.5	Pass
			HV	-1.409	-0.0008	-2.5 to 2.5	Pass
		-30	NV	0.549	0.0003	-2.5 to 2.5	Pass
		-20	NV	0.929	0.0005	-2.5 to 2.5	Pass
		-10	NV	2.516	0.0015	-2.5 to 2.5	Pass
		0	NV	-0.356	-0.0002	-2.5 to 2.5	Pass
		10	NV	1.002	0.0006	-2.5 to 2.5	Pass
		30	NV	1.838	0.0011	-2.5 to 2.5	Pass
		40	NV	0.266	0.0002	-2.5 to 2.5	Pass
		50	NV	0.071	0.0000	-2.5 to 2.5	Pass
	1752.6	20	LV	-1.938	-0.0011	-2.5 to 2.5	Pass
			NV	-5.890	-0.0034	-2.5 to 2.5	Pass
			HV	-4.535	-0.0026	-2.5 to 2.5	Pass
		-30	NV	-3.859	-0.0022	-2.5 to 2.5	Pass
		-20	NV	-2.183	-0.0012	-2.5 to 2.5	Pass
		-10	NV	-0.961	-0.0005	-2.5 to 2.5	Pass
		0	NV	-2.683	-0.0015	-2.5 to 2.5	Pass
		10	NV	-2.254	-0.0013	-2.5 to 2.5	Pass
		30	NV	-2.530	-0.0014	-2.5 to 2.5	Pass
		40	NV	-2.932	-0.0017	-2.5 to 2.5	Pass
		50	NV	-2.347	-0.0013	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 BandIV_OBW

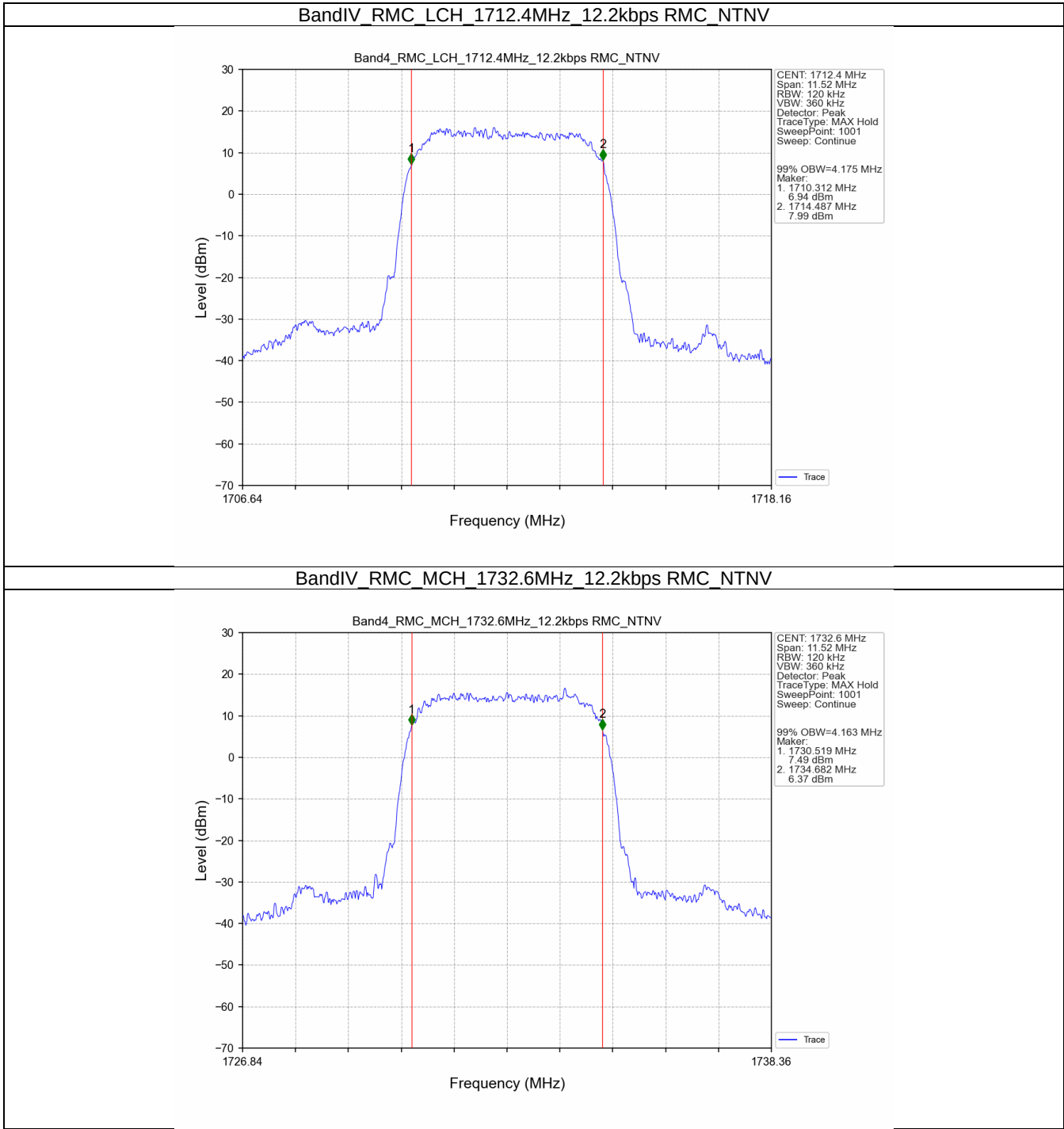
Band: IV						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.175	/	Pass
			1732.6	4.163	/	Pass
			1752.6	4.183	/	Pass
	HSDPA	Subtest 1	1712.4	4.168	/	Pass
			1732.6	4.155	/	Pass
			1752.6	4.166	/	Pass
	HSUPA	Subtest 1	1712.4	4.178	/	Pass
			1732.6	4.167	/	Pass
			1752.6	4.176	/	Pass

3.1.2 BandIV_XDB

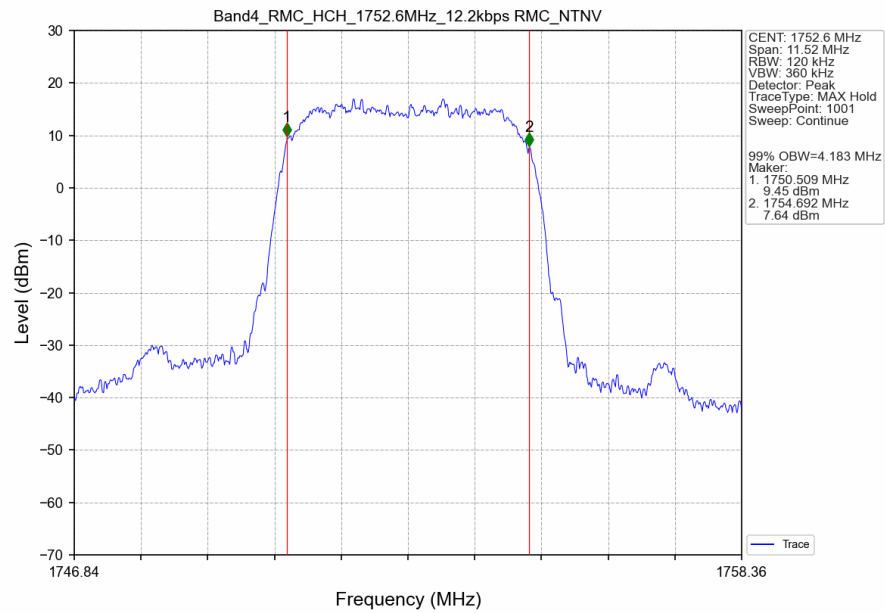
Band: IV						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.743	/	Pass
			1732.6	4.734	/	Pass
			1752.6	4.735	/	Pass
	HSDPA	Subtest 1	1712.4	4.743	/	Pass
			1732.6	4.725	/	Pass
			1752.6	4.720	/	Pass
	HSUPA	Subtest 1	1712.4	4.741	/	Pass
			1732.6	4.732	/	Pass
			1752.6	4.741	/	Pass

3.2 Test Graph

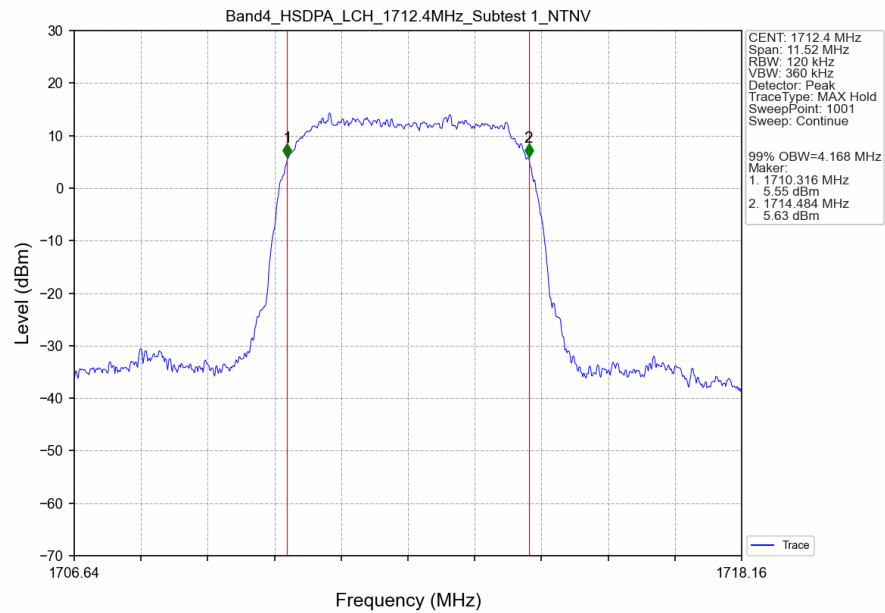
3.2.1 BandIV_OBW



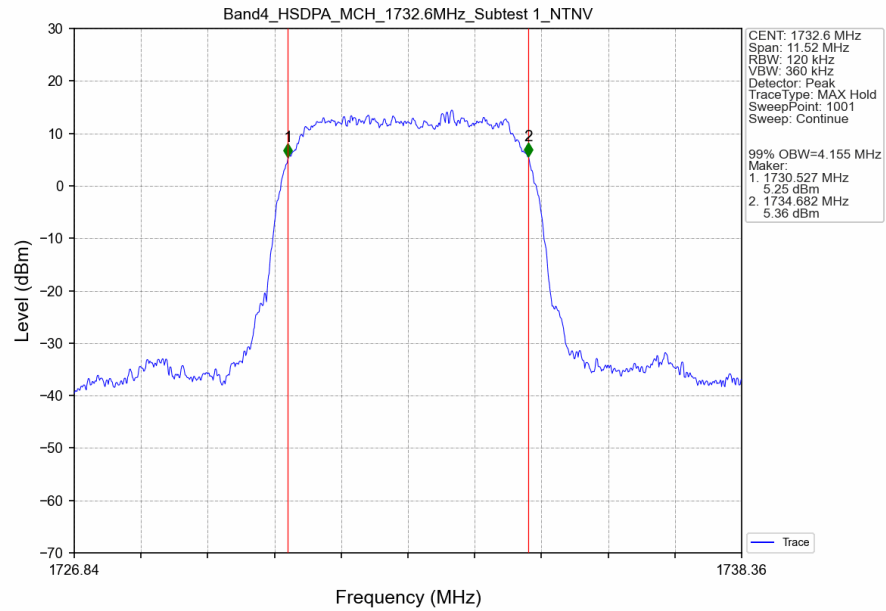
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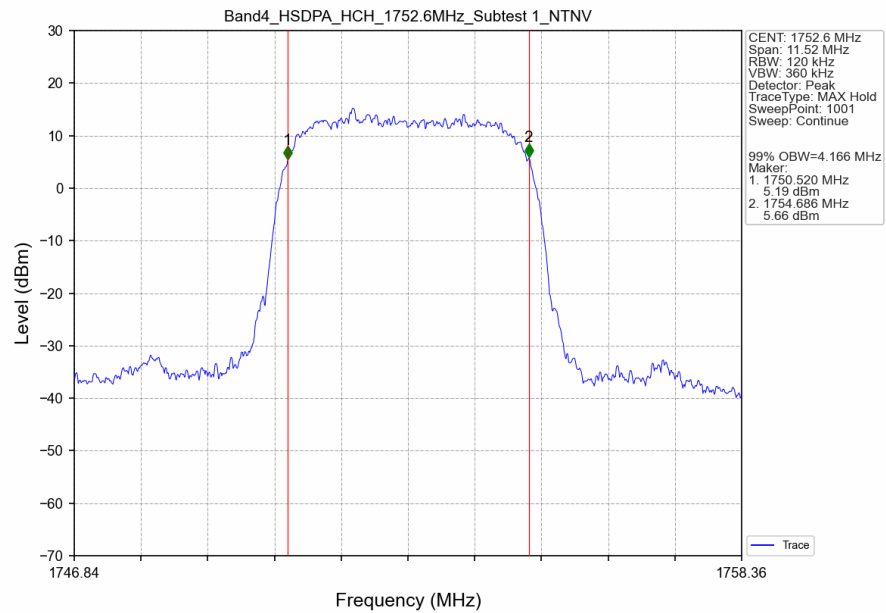
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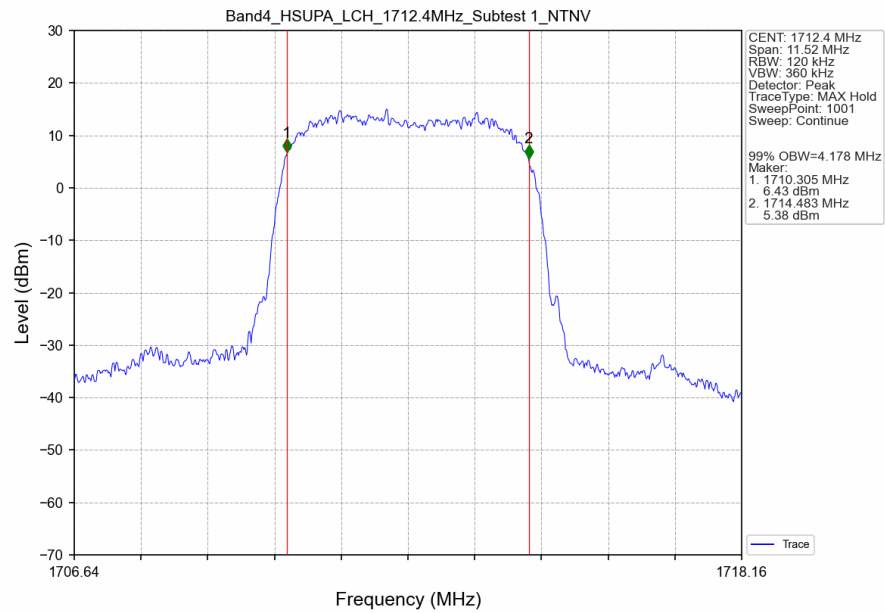
BandIV HSDPA MCH 1732.6MHz Subtest 1 NTN



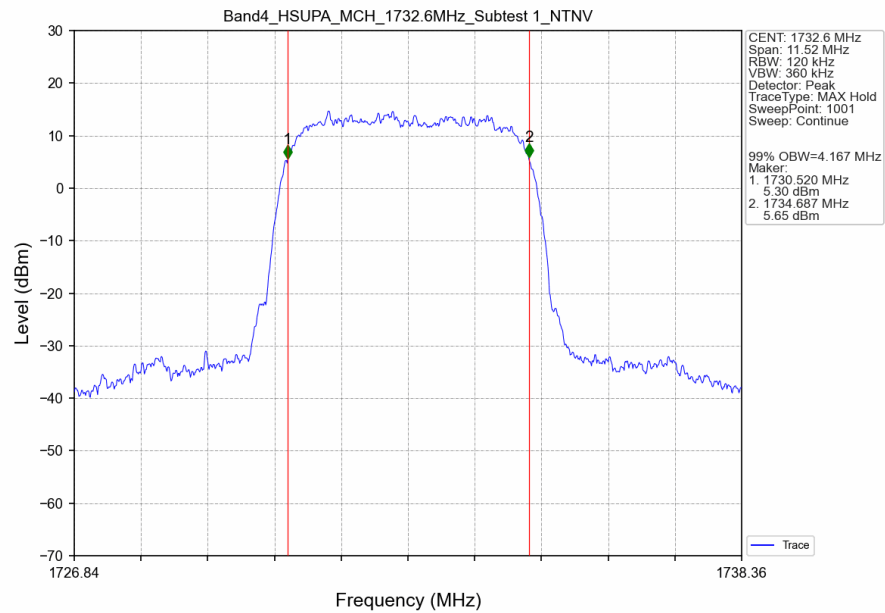
BandIV HSDPA HCH 1752.6MHz Subtest 1 NTN



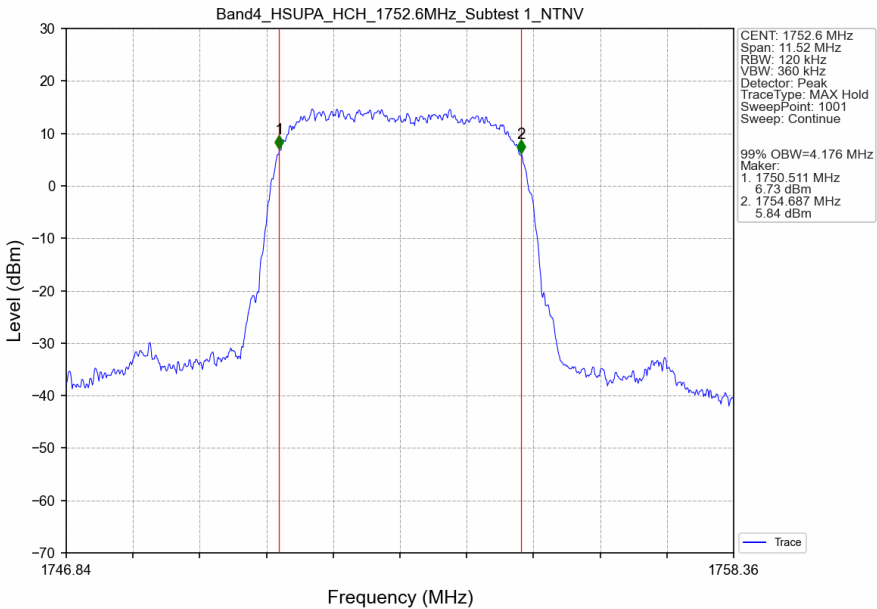
BandIV HSUPA LCH 1712.4MHz Subtest 1_NTNV



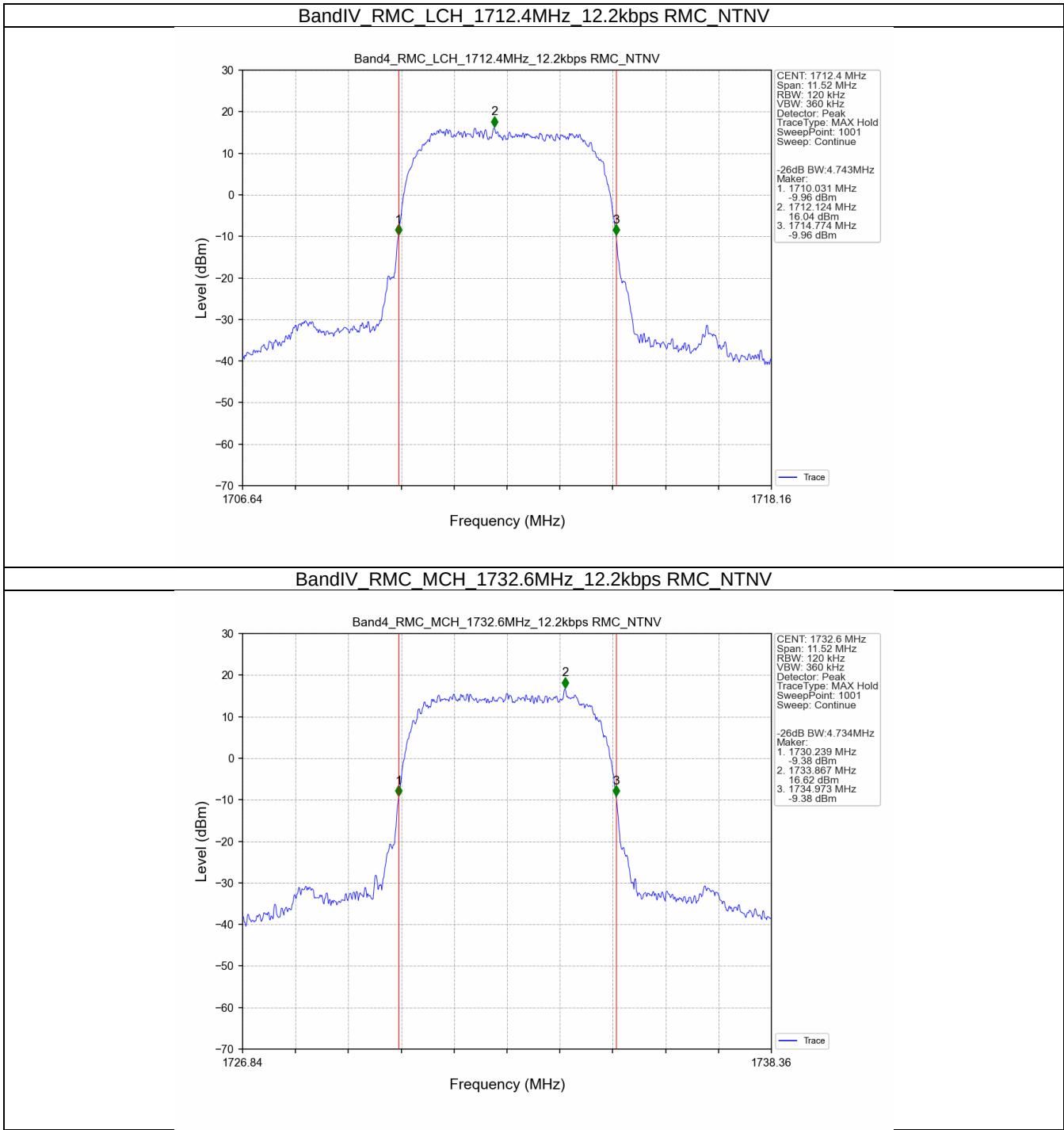
BandIV HSUPA MCH 1732.6MHz Subtest 1_NTNV



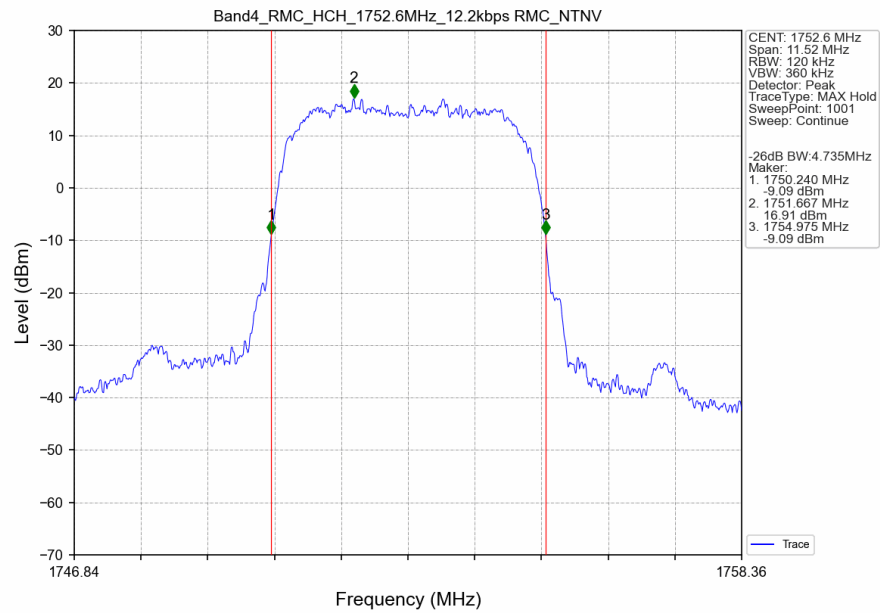
BandIV HSUPA HCH 1752.6MHz Subtest 1 NTN



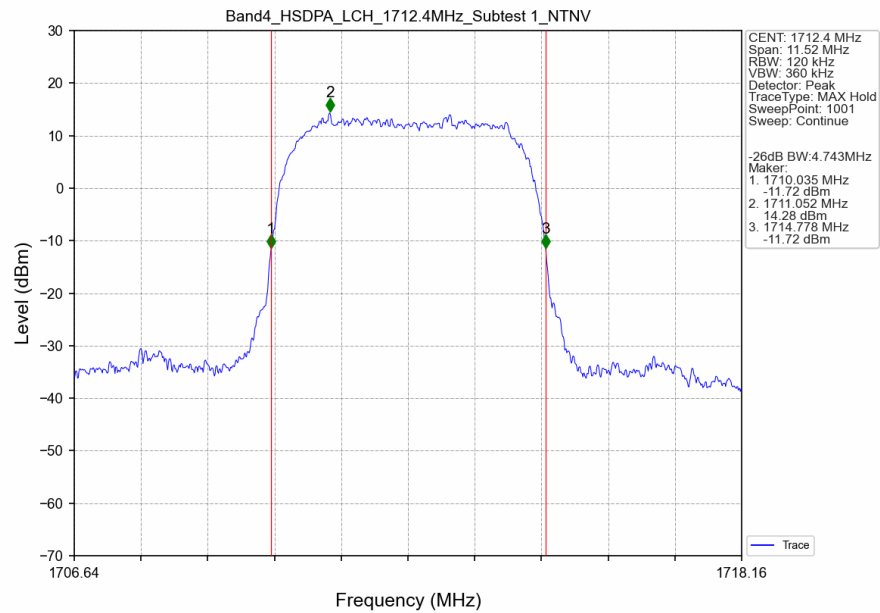
3.2.2 BandIV_XDB



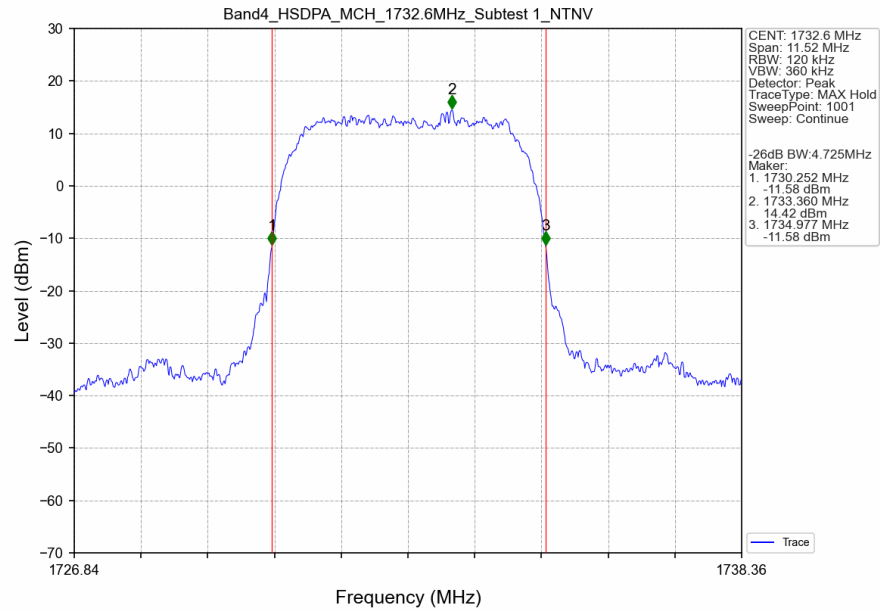
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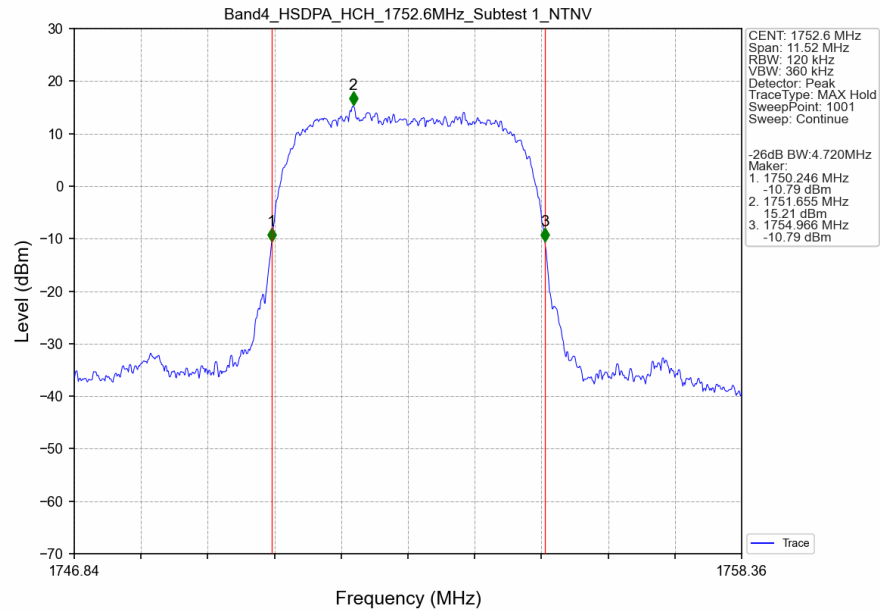
BandIV_HSDPA_LCH_1712.4MHz_Subtest 1_NTNV



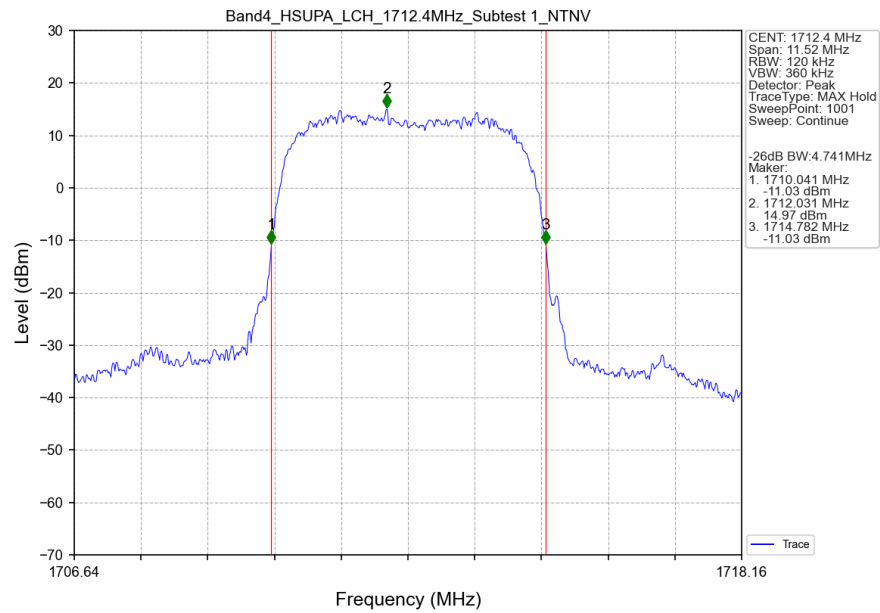
BandIV HSDPA MCH 1732.6MHz Subtest 1_NTNV



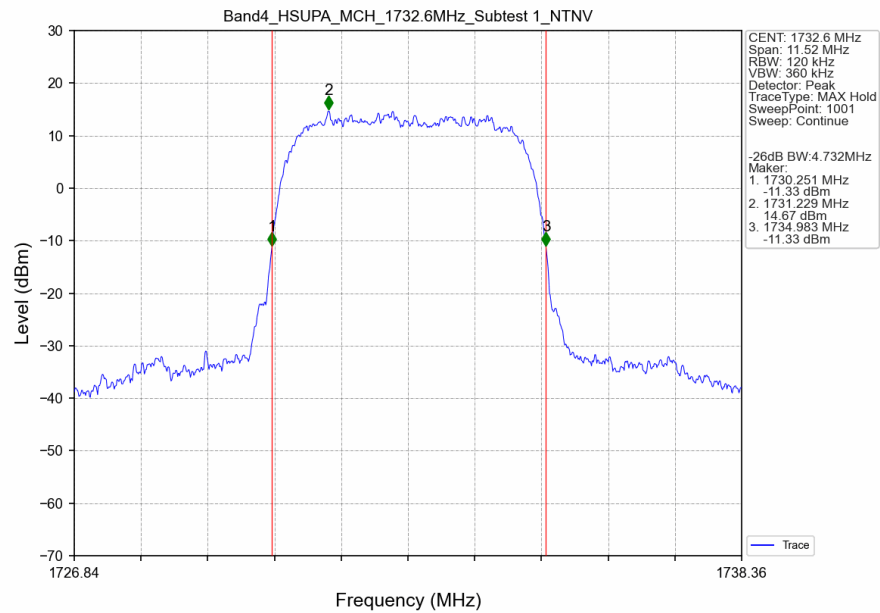
BandIV HSDPA HCH 1752.6MHz Subtest 1_NTNV



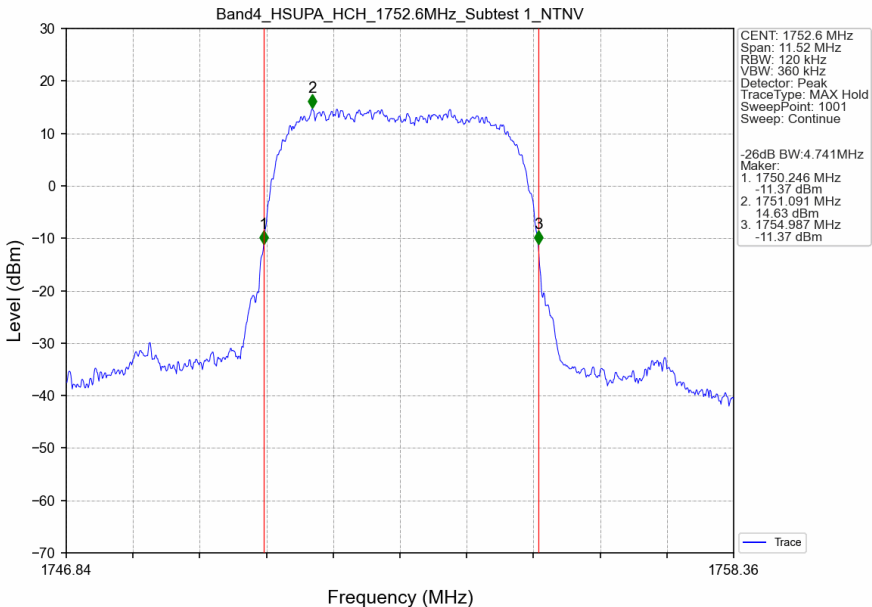
BandIV HSUPA LCH 1712.4MHz Subtest 1 NTNV



BandIV HSUPA MCH 1732.6MHz Subtest 1 NTNV



BandIV HSUPA HCH 1752.6MHz Subtest 1 NTN



4. Peak-Average Ratio

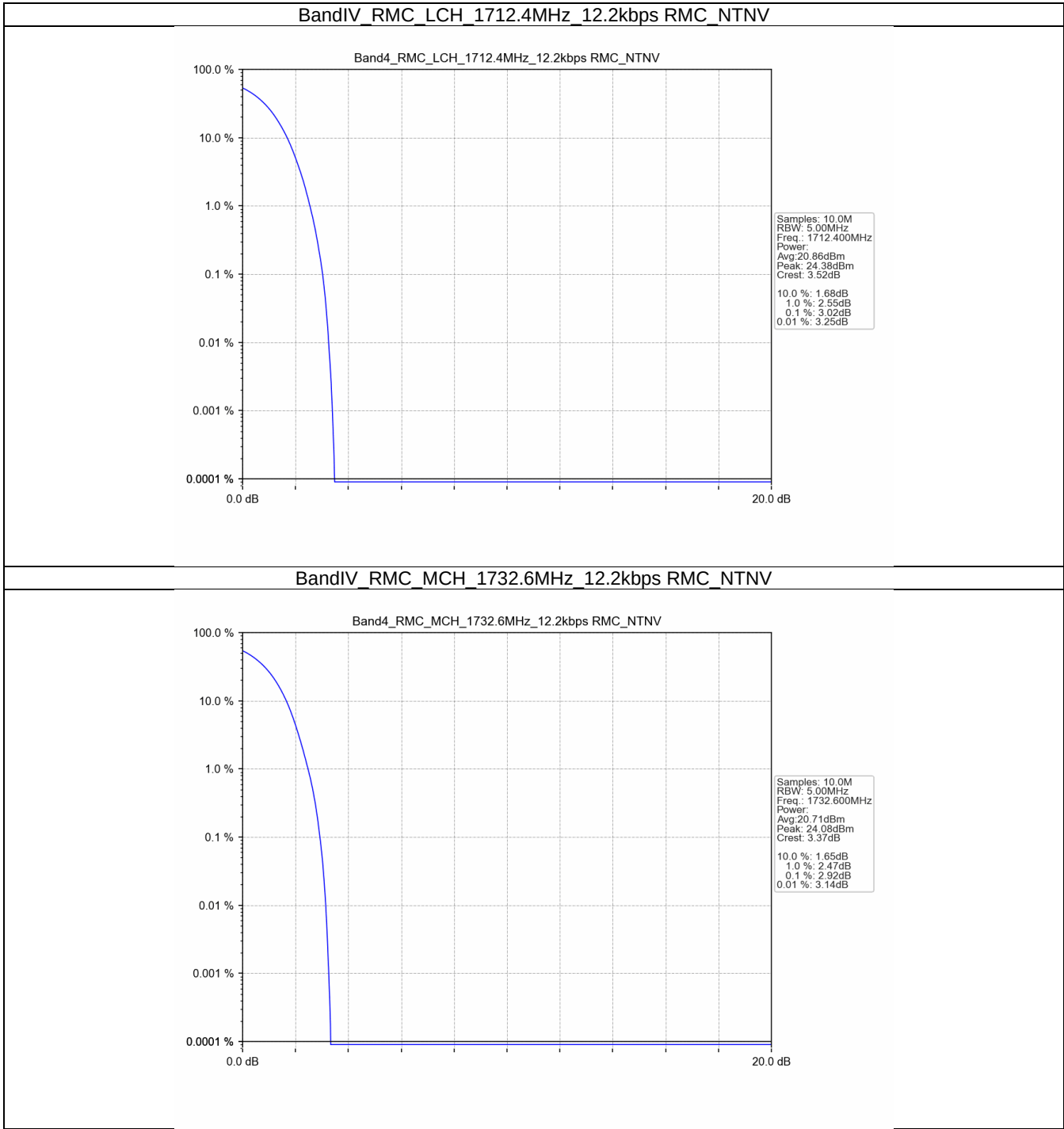
4.1 Test Result

4.1.1 Band IV

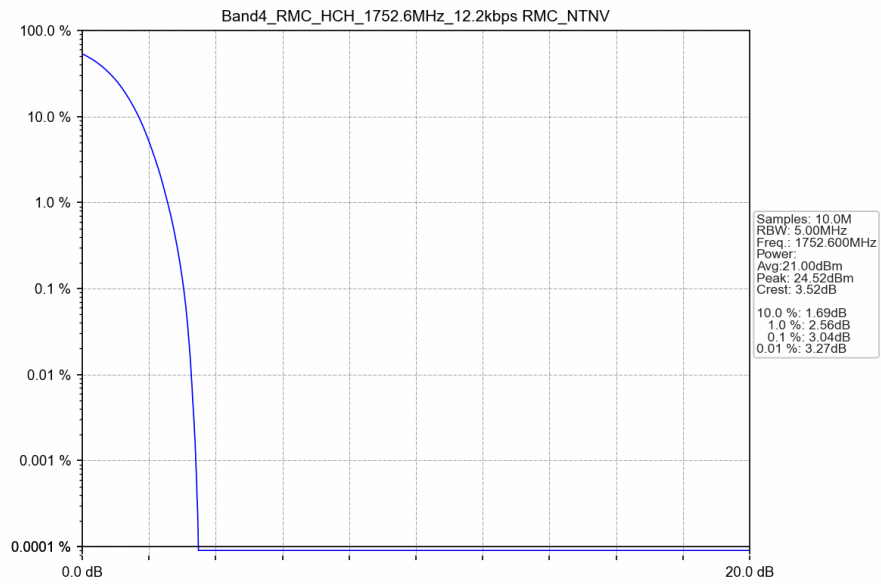
Band: IV						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	3.02	<=13	Pass
			1732.6	2.92	<=13	Pass
			1752.6	3.04	<=13	Pass
	HSDPA	Subtest 1	1712.4	3.93	<=13	Pass
			1732.6	3.80	<=13	Pass
			1752.6	3.91	<=13	Pass
	HSUPA	Subtest 1	1712.4	4.52	<=13	Pass
			1732.6	4.40	<=13	Pass
			1752.6	4.53	<=13	Pass

4.2 Test Graph

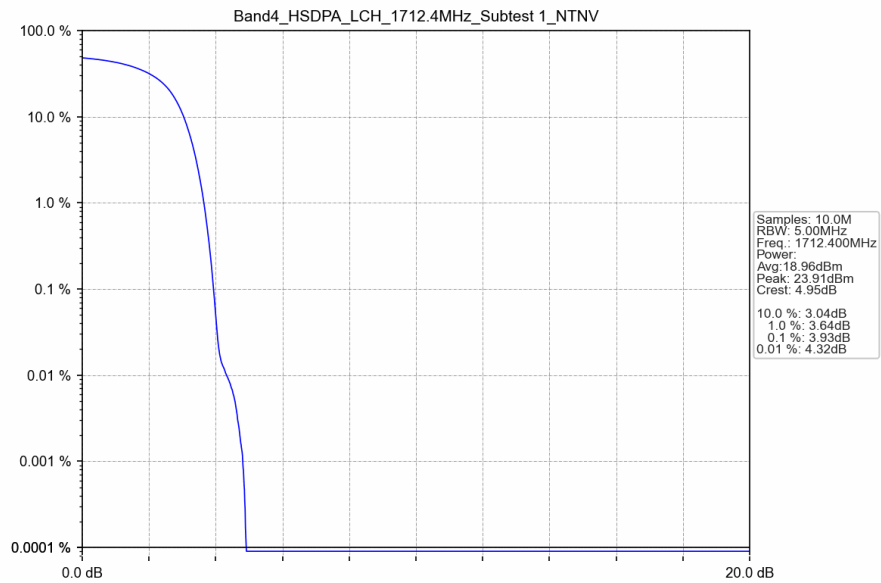
4.2.1 BandIV



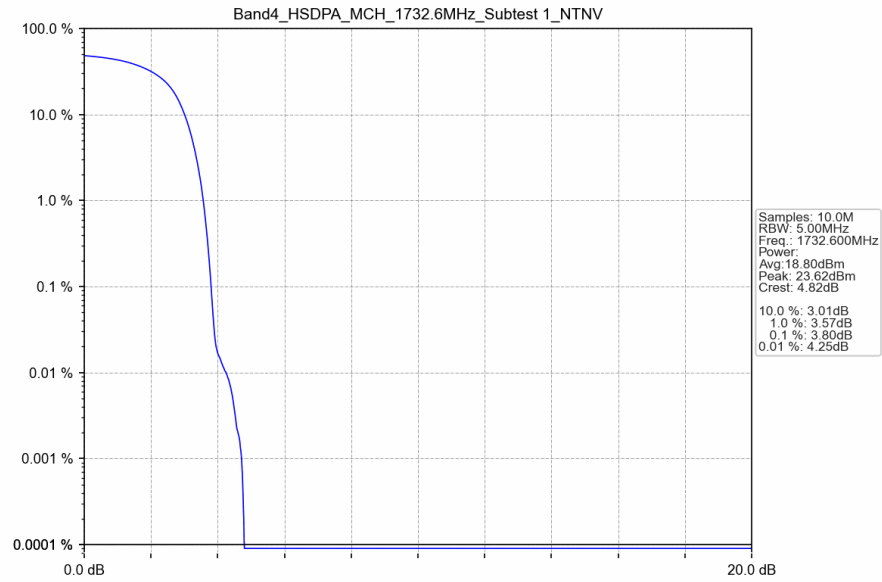
BandIV_RMC_HCH_1752.6MHz_12.2kbps_RMC_NTNV



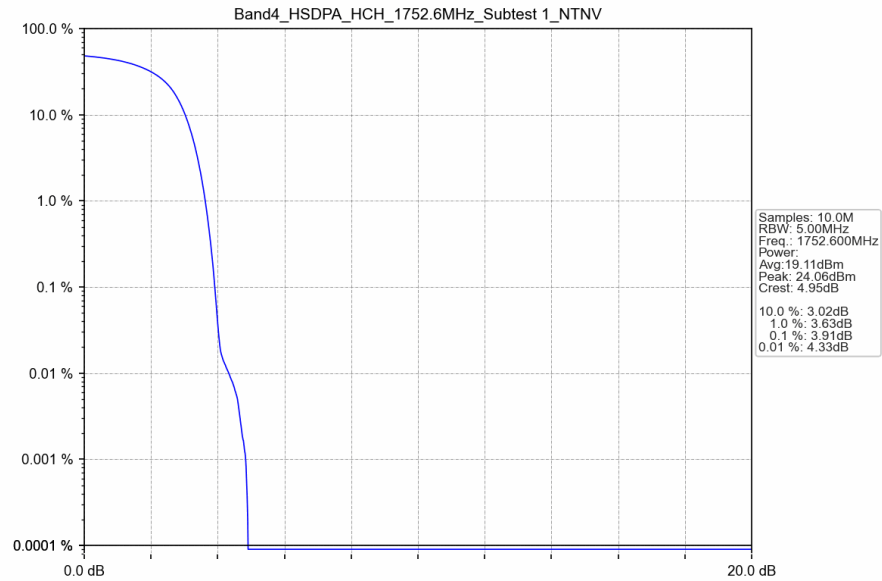
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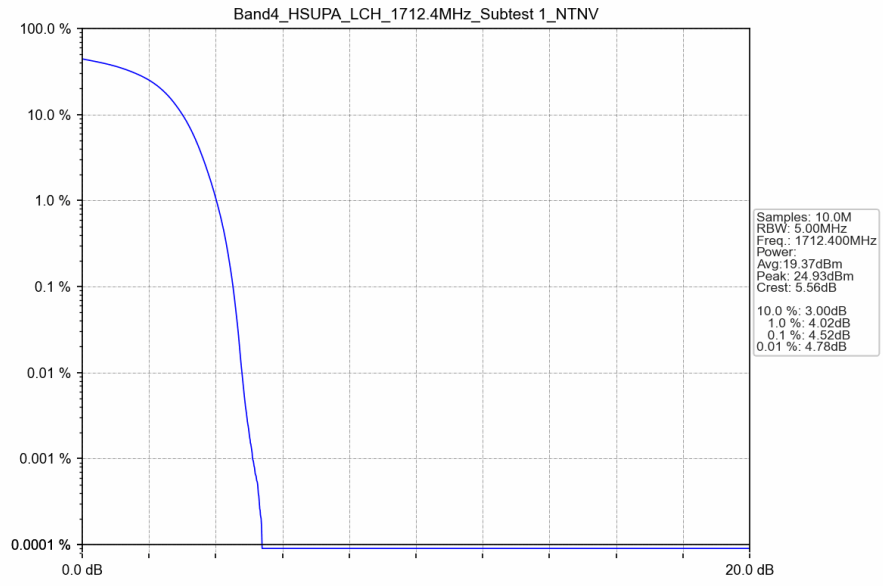
BandIV HSDPA MCH 1732.6MHz Subtest 1_NTNV



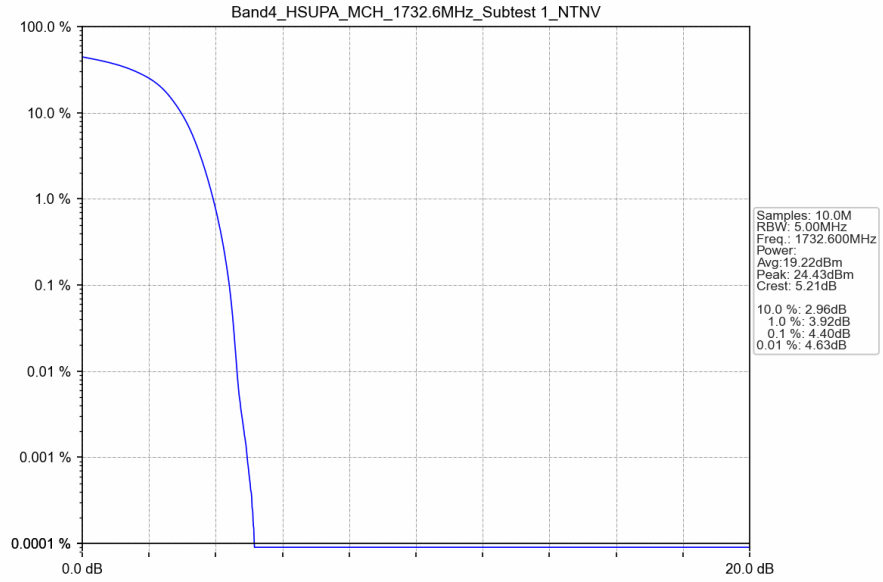
BandIV HSDPA HCH 1752.6MHz Subtest 1_NTNV



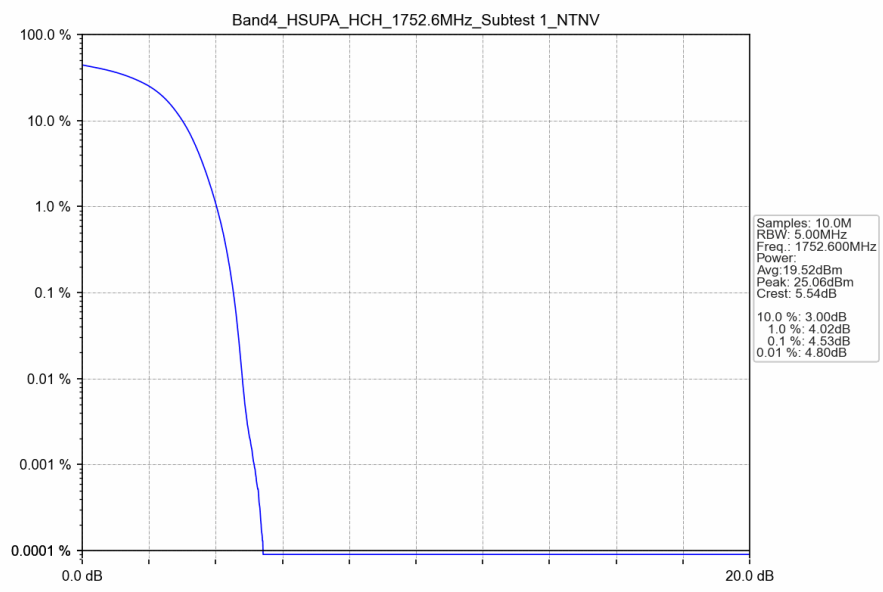
BandIV HSUPA LCH 1712.4MHz Subtest 1 NTNV



BandIV HSUPA MCH 1732.6MHz Subtest 1 NTNV



BandIV HSUPA HCH 1752.6MHz Subtest 1 NTN



5. Spurious Emission

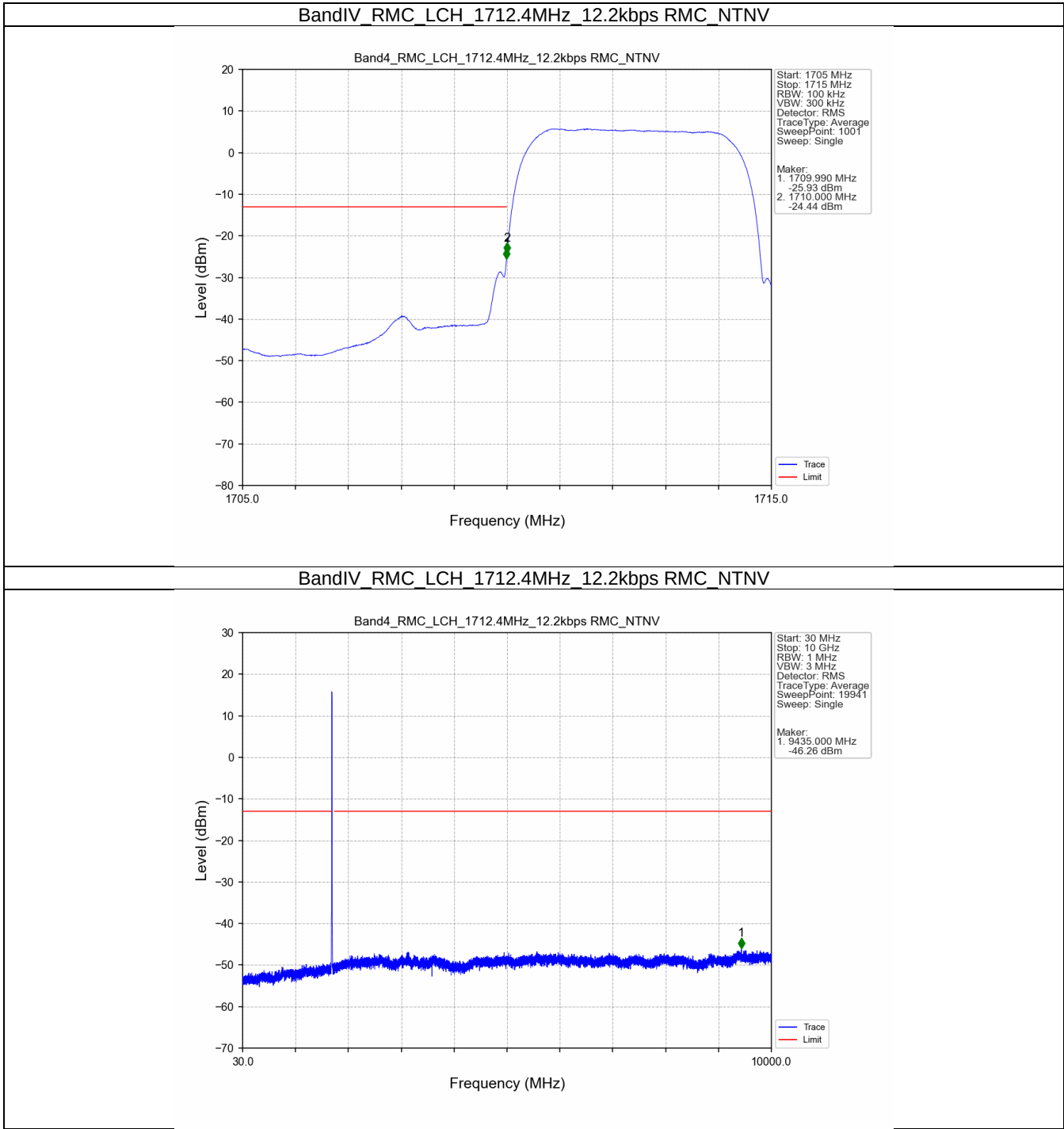
5.1 Test Result

5.1.1 Band IV

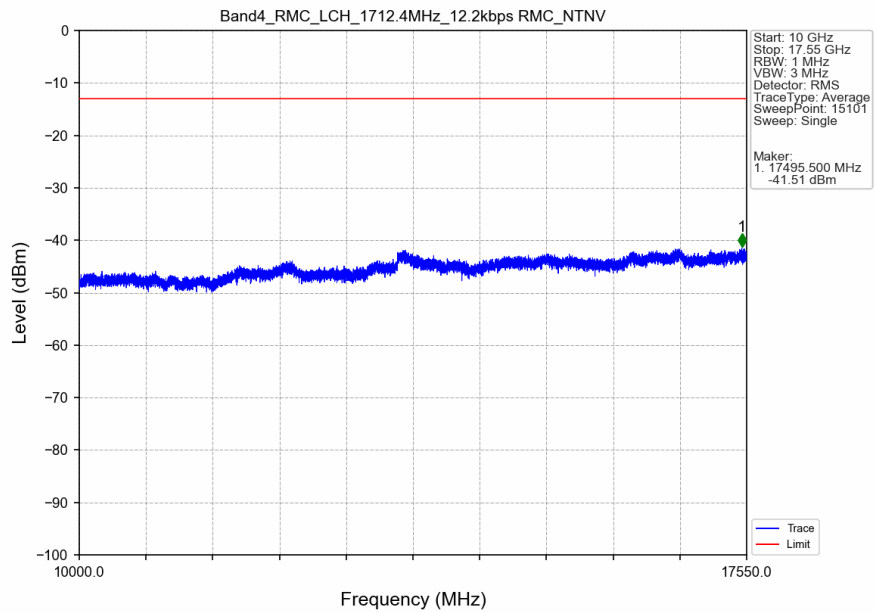
Band: IV						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	Refer To Test Graph	Pass	
			1732.6	Refer To Test Graph	Pass	
			1752.6	Refer To Test Graph	Pass	
	HSDPA	Subtest 1	1712.4	Refer To Test Graph	Pass	
			1732.6	Refer To Test Graph	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	

5.2 Test Graph

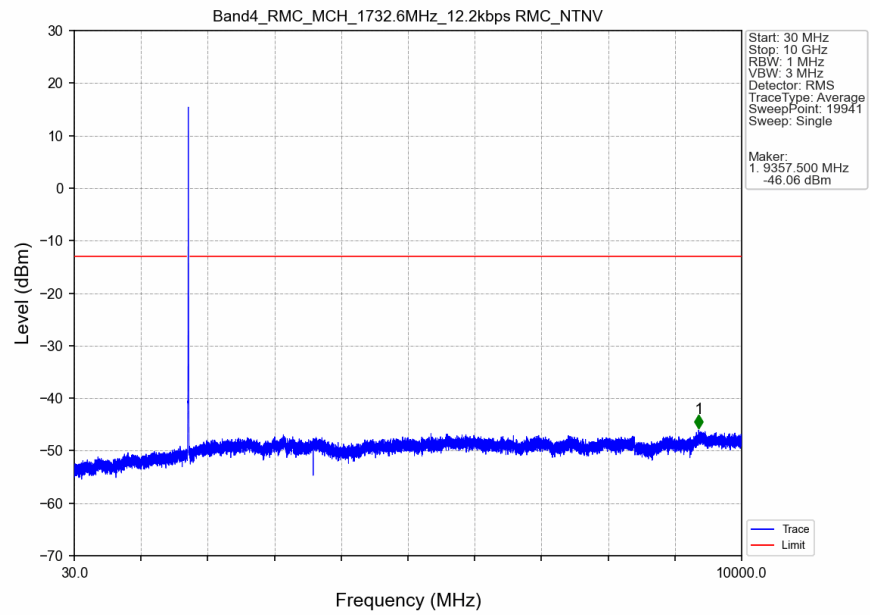
5.2.1 BandIV



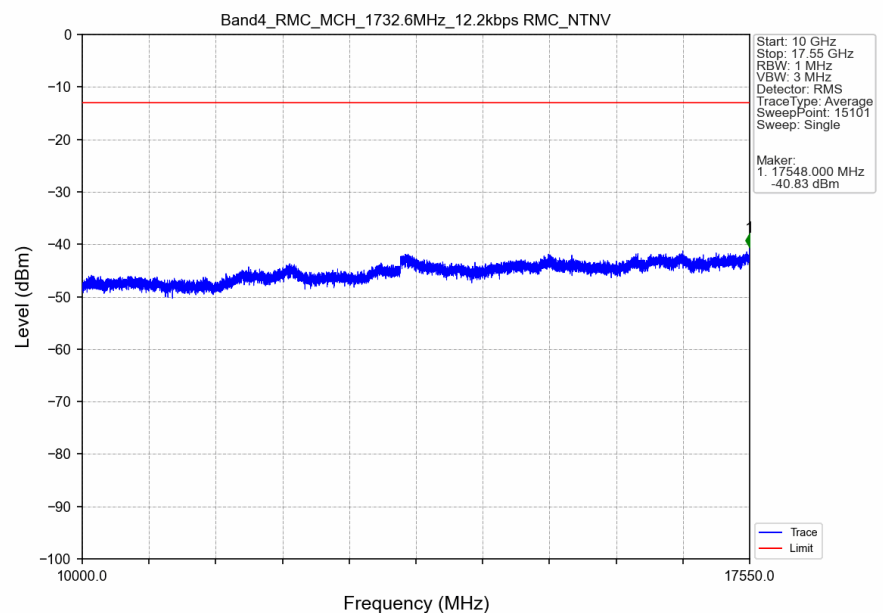
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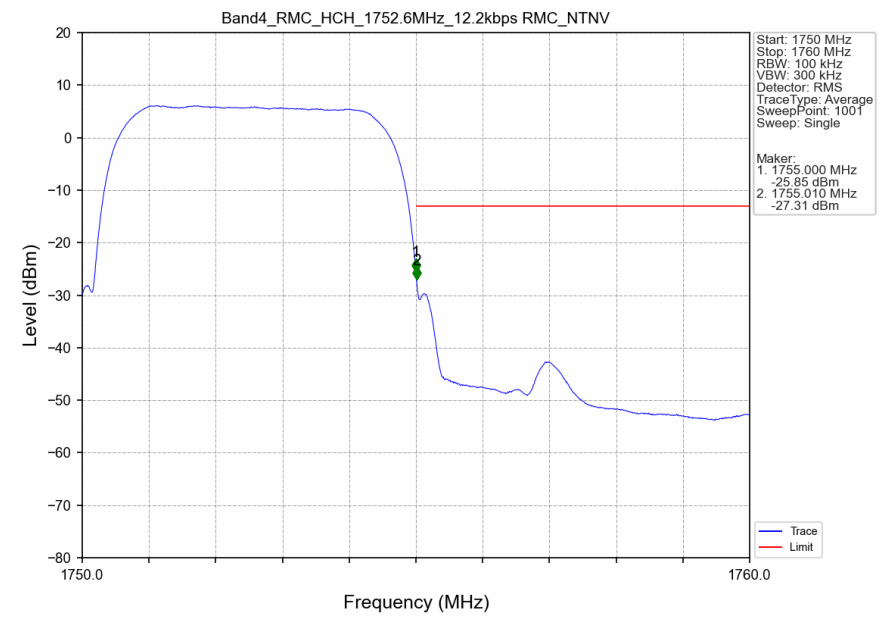
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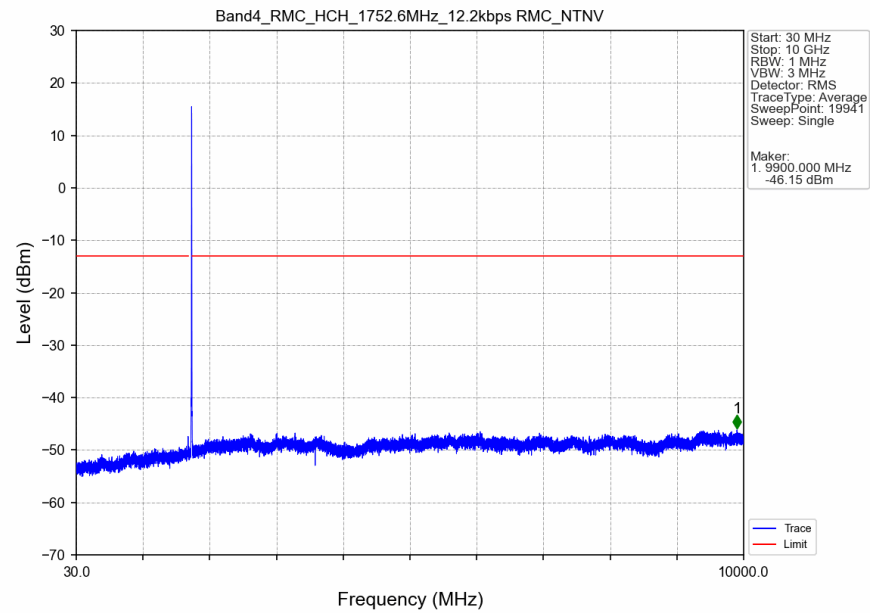
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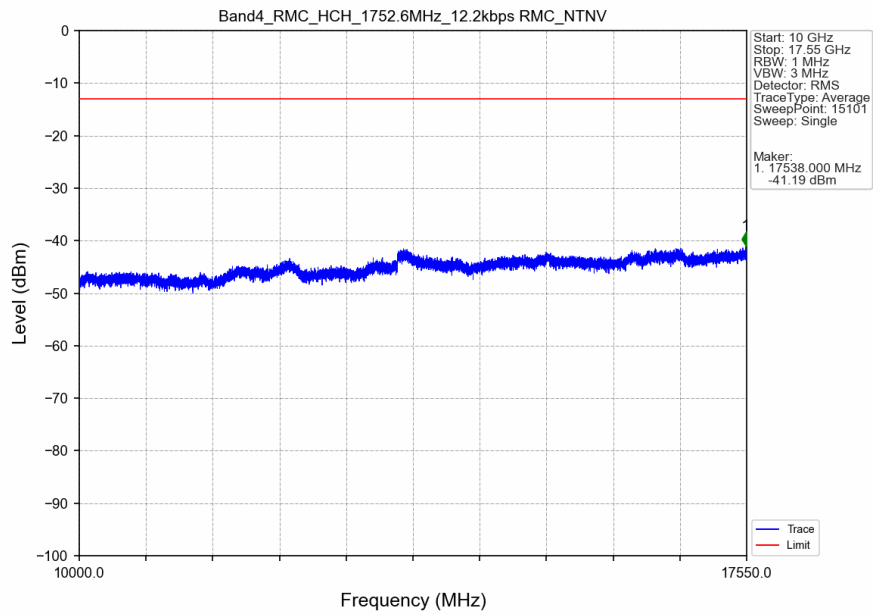
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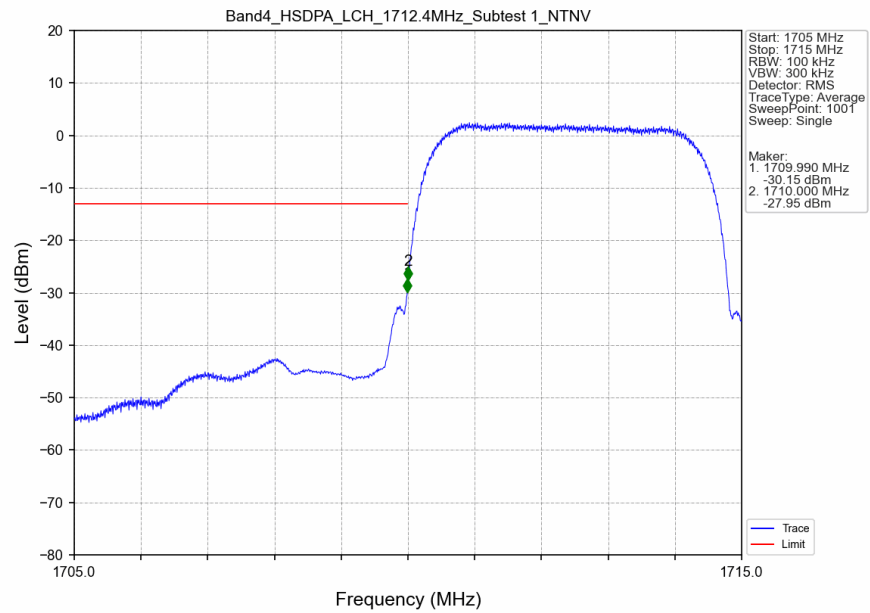
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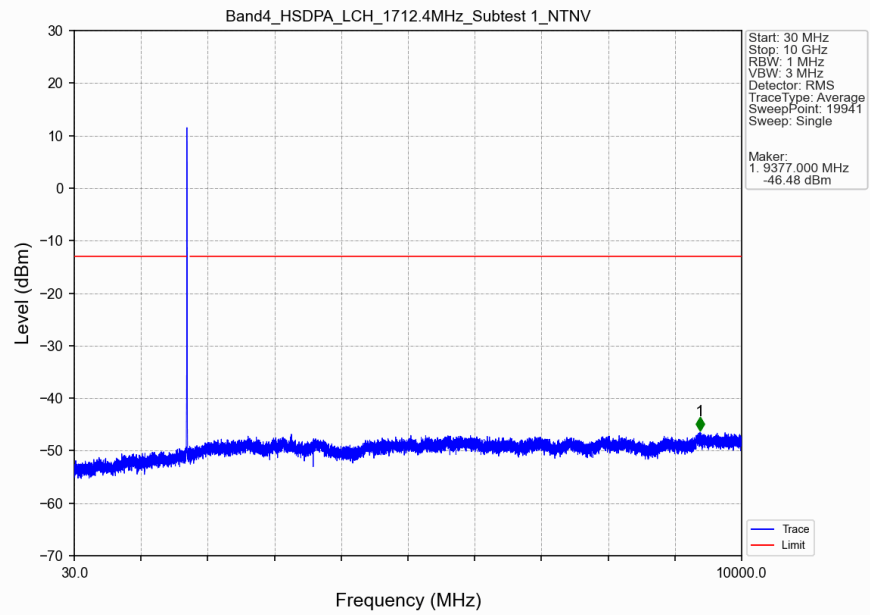
BandIV_RMC_HCH_1752.6MHz_12.2kbps_RMC_NTNV



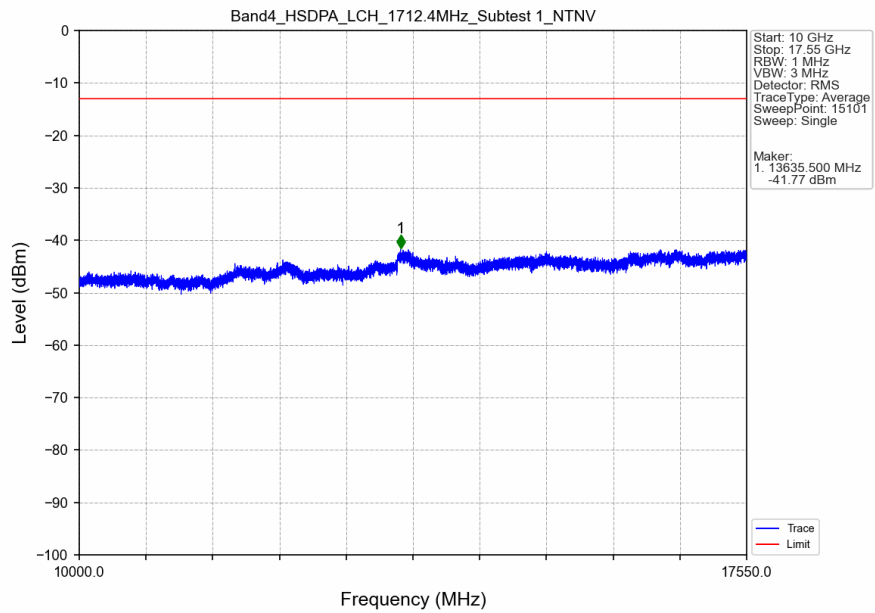
BandIV HSDPA LCH 1712.4MHz Subtest 1_NTNV



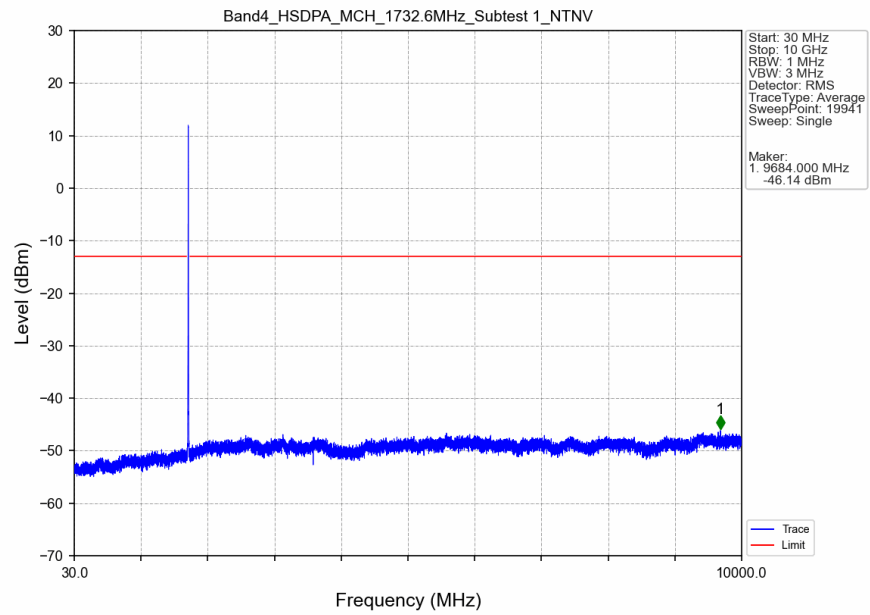
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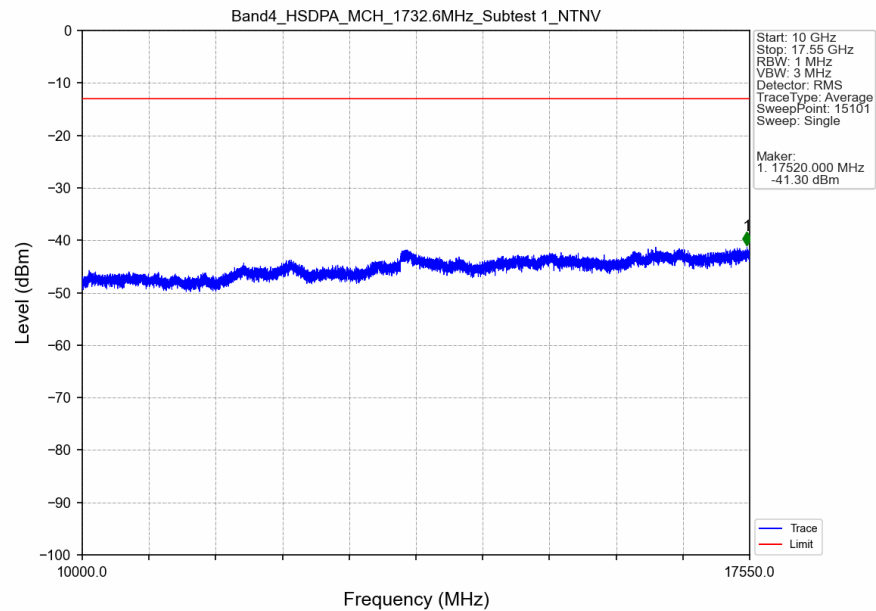
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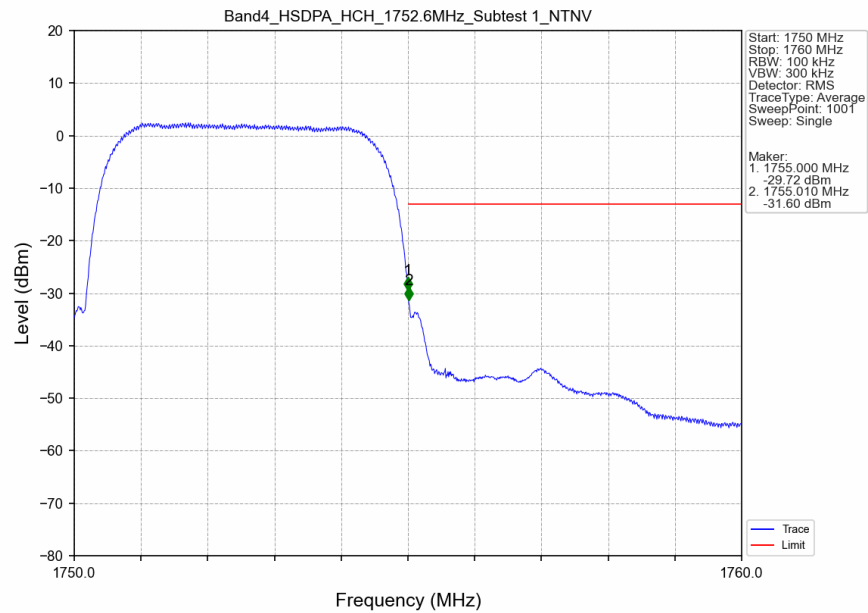
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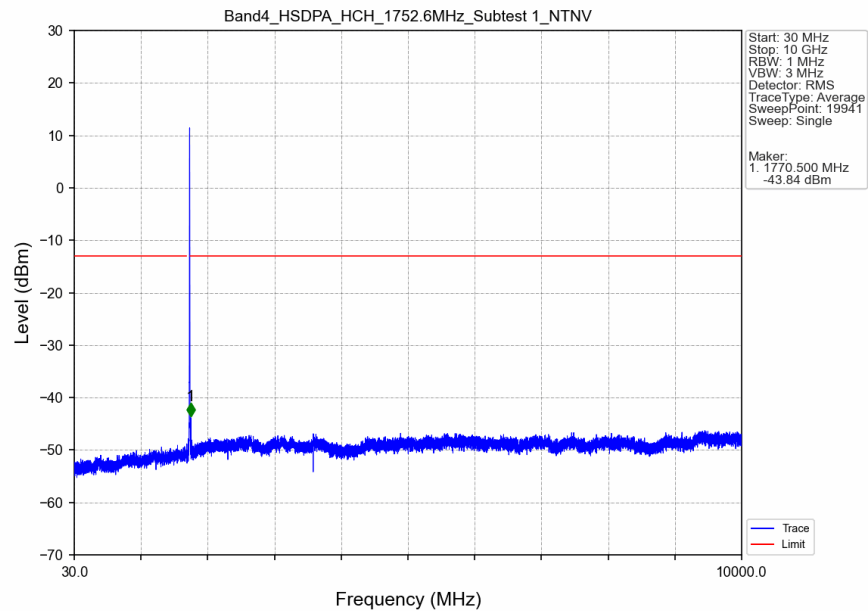
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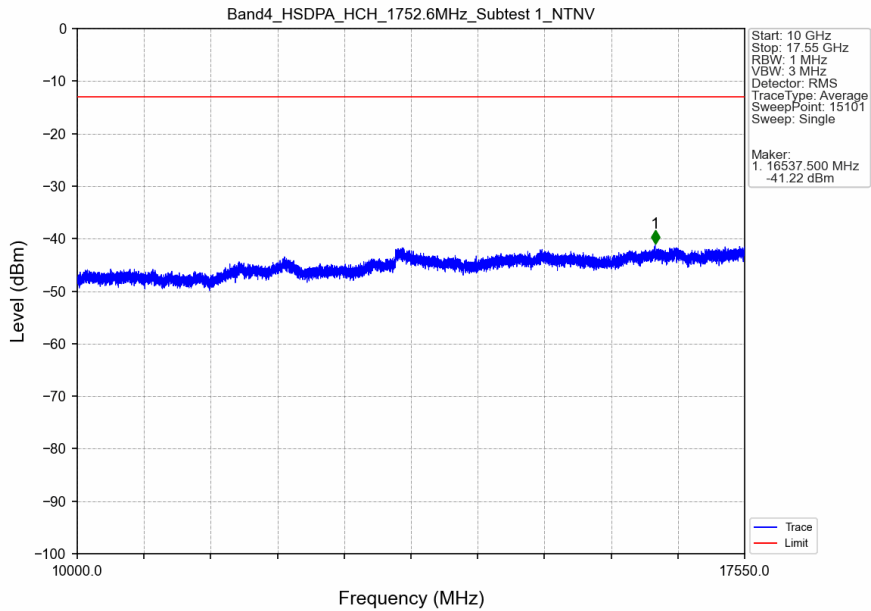
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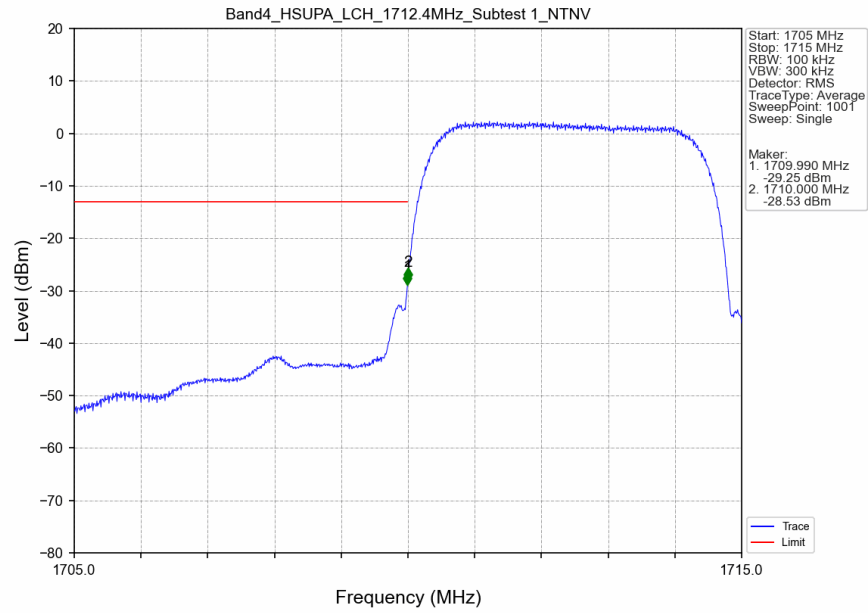
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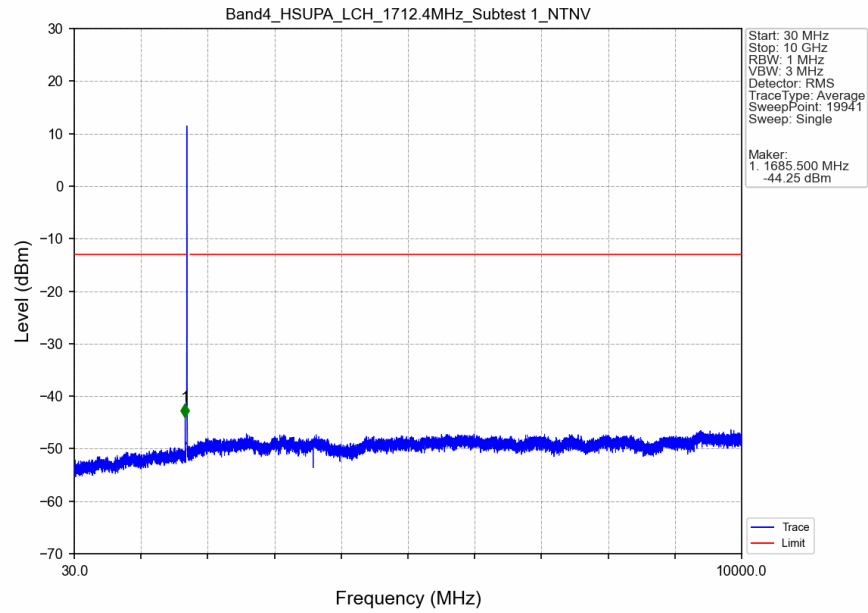
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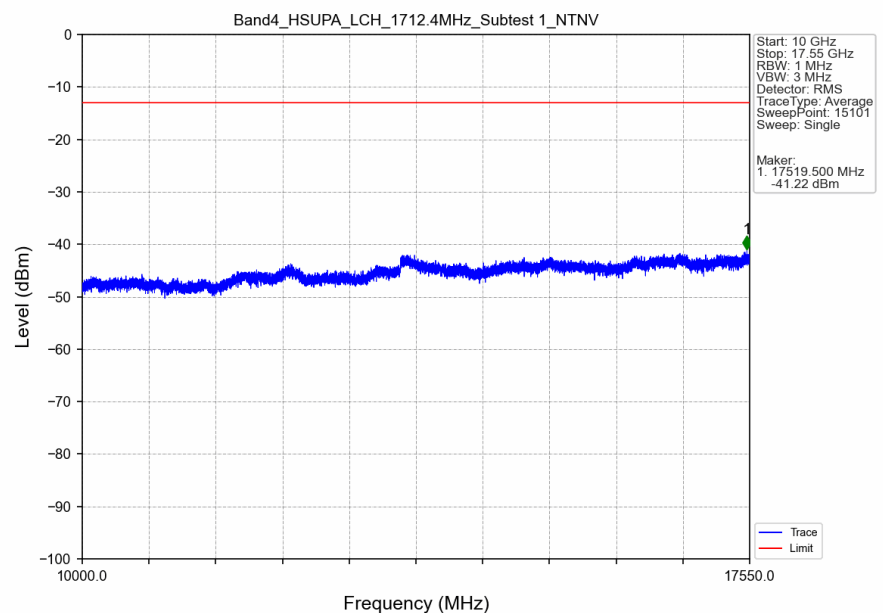
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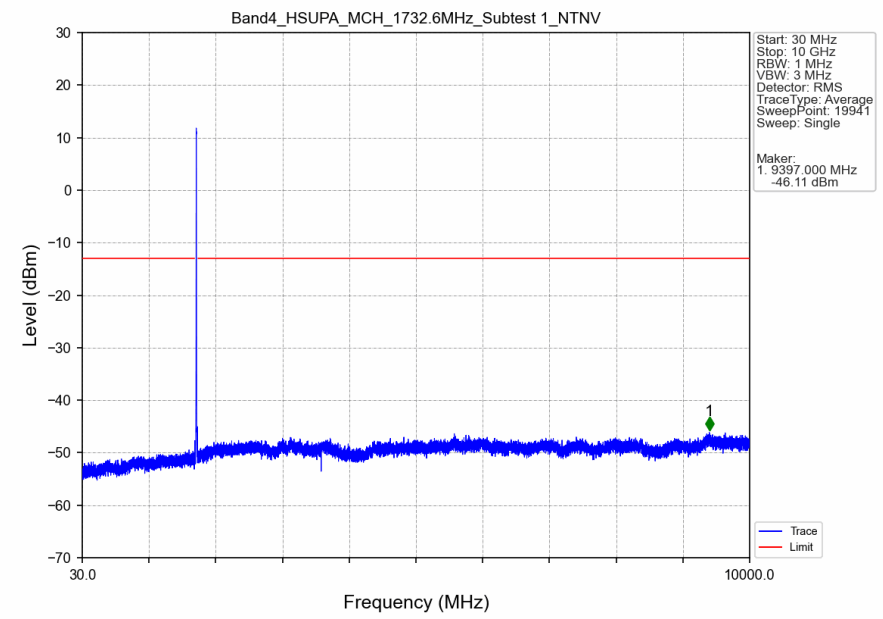
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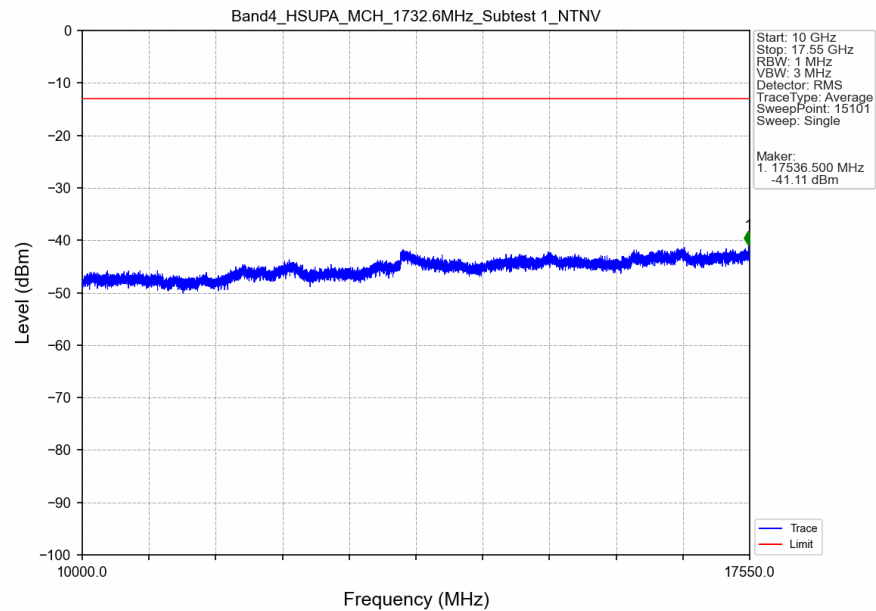
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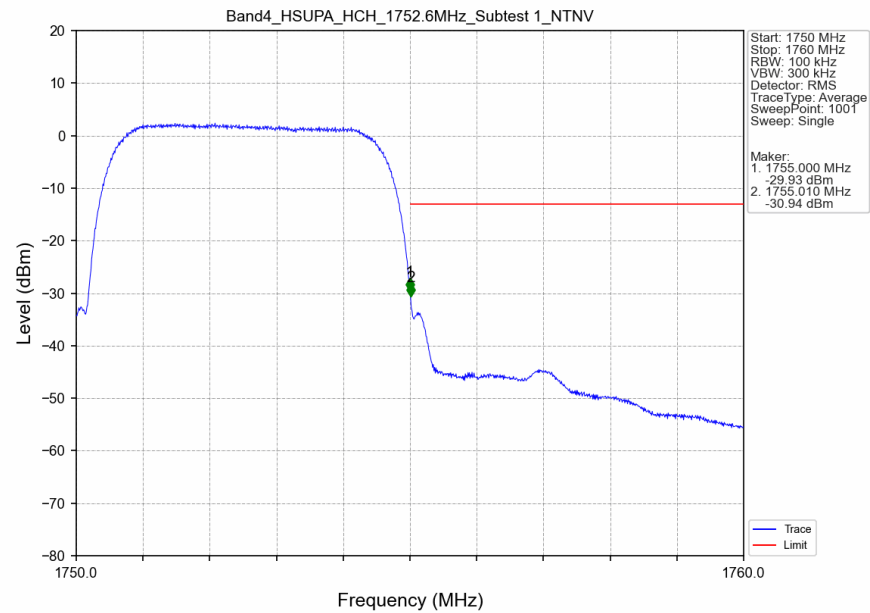
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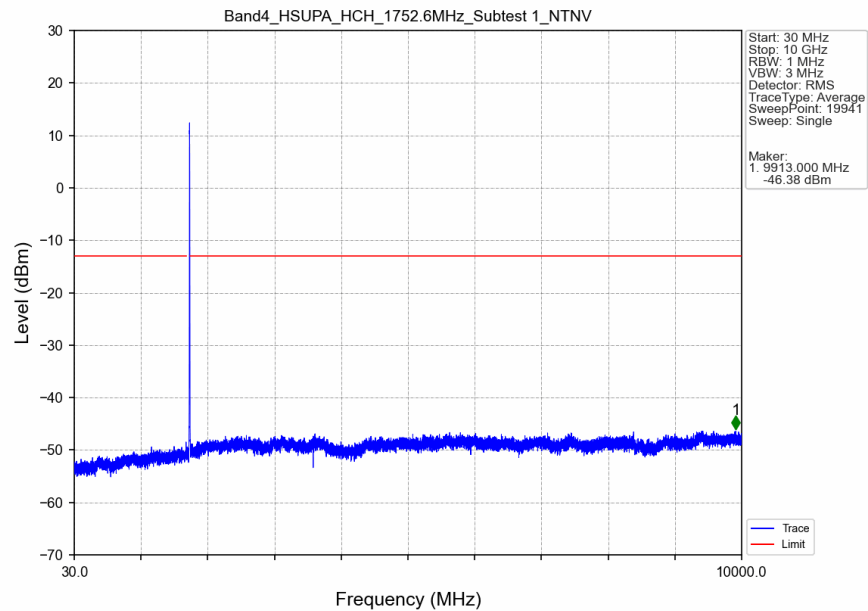
BandIV HSUPA MCH 1732.6MHz Subtest 1 NTN



BandIV HSUPA HCH 1752.6MHz Subtest 1 NTN



BandIV HSUPA HCH 1752.6MHz Subtest 1_NTNV



BandIV HSUPA HCH 1752.6MHz Subtest 1_NTNV

