

Band: V									
ENV	Mode		Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
	Network	Subset				Result	Limit		
NTNV	RMC	12.2kbps RMC	1712.4	24.07	-1.50	22.57	<=30	Pass	
			1732.6	23.94	-1.50	22.44	<=30	Pass	
			1752.6	24.09	-1.50	22.59	<=30	Pass	
	HSDPA	Subtest 1	1712.4	22.31	-1.50	20.81	<=30	Pass	
		Subtest 2	1712.4	22.31	-1.50	20.81	<=30	Pass	
		Subtest 3	1712.4	22.31	-1.50	20.81	<=30	Pass	
		Subtest 4	1712.4	22.29	-1.50	20.79	<=30	Pass	
		Subtest 1	1732.6	22.31	-1.50	20.81	<=30	Pass	
		Subtest 2	1732.6	22.33	-1.50	20.83	<=30	Pass	
		Subtest 3	1732.6	22.30	-1.50	20.80	<=30	Pass	
		Subtest 4	1732.6	22.33	-1.50	20.83	<=30	Pass	
		Subtest 1	1752.6	22.38	-1.50	20.88	<=30	Pass	
		Subtest 2	1752.6	22.38	-1.50	20.88	<=30	Pass	
		Subtest 3	1752.6	22.41	-1.50	20.91	<=30	Pass	
		Subtest 4	1752.6	22.43	-1.50	20.93	<=30	Pass	
		HSUPA	Subtest 1	1712.4	20.11	-1.50	18.61	<=30	Pass
			Subtest 2	1712.4	19.84	-1.50	18.34	<=30	Pass
			Subtest 3	1712.4	21.41	-1.50	19.91	<=30	Pass
			Subtest 4	1712.4	21.22	-1.50	19.72	<=30	Pass
			Subtest 5	1712.4	21.22	-1.50	19.72	<=30	Pass
			Subtest 1	1732.6	21.37	-1.50	19.87	<=30	Pass
			Subtest 2	1732.6	19.77	-1.50	18.27	<=30	Pass
			Subtest 3	1732.6	21.35	-1.50	19.85	<=30	Pass
	Subtest 4		1732.6	20.03	-1.50	18.53	<=30	Pass	
	Subtest 5		1732.6	19.76	-1.50	18.26	<=30	Pass	
	Subtest 1		1752.6	20.13	-1.50	18.63	<=30	Pass	
	Subtest 2		1752.6	21.28	-1.50	19.78	<=30	Pass	
	Subtest 3		1752.6	20.15	-1.50	18.65	<=30	Pass	
	Subtest 4		1752.6	21.26	-1.50	19.76	<=30	Pass	
	Subtest 5		1752.6	20.13	-1.50	18.63	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 Test Result

2.1.1 BandV

Band: V							
Network	Frequency (MHz)	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1712.4	20	3.6	7.617	0.0044	-2.5 to 2.5	Pass
			3.91	7.889	0.0046	-2.5 to 2.5	Pass
			4.3	7.246	0.0042	-2.5 to 2.5	Pass
		-30	3.91	7.972	0.0047	-2.5 to 2.5	Pass
		-20	3.91	7.424	0.0043	-2.5 to 2.5	Pass
		-10	3.91	7.822	0.0046	-2.5 to 2.5	Pass
		0	3.91	7.756	0.0045	-2.5 to 2.5	Pass
		10	3.91	7.473	0.0044	-2.5 to 2.5	Pass
		30	3.91	7.677	0.0045	-2.5 to 2.5	Pass
		40	3.91	7.924	0.0046	-2.5 to 2.5	Pass
		50	3.91	7.762	0.0045	-2.5 to 2.5	Pass
	1732.6	20	3.6	-2.774	-0.0016	-2.5 to 2.5	Pass
			3.91	-3.088	-0.0018	-2.5 to 2.5	Pass
			4.3	-2.380	-0.0014	-2.5 to 2.5	Pass
		-30	3.91	-2.922	-0.0017	-2.5 to 2.5	Pass
		-20	3.91	-3.178	-0.0018	-2.5 to 2.5	Pass
		-10	3.91	-4.060	-0.0023	-2.5 to 2.5	Pass
		0	3.91	-3.253	-0.0019	-2.5 to 2.5	Pass
		10	3.91	-3.303	-0.0019	-2.5 to 2.5	Pass
		30	3.91	-3.410	-0.0020	-2.5 to 2.5	Pass
		40	3.91	-3.581	-0.0021	-2.5 to 2.5	Pass
		50	3.91	-3.711	-0.0021	-2.5 to 2.5	Pass
	1752.6	20	3.6	-9.193	-0.0052	-2.5 to 2.5	Pass
			3.91	-9.598	-0.0055	-2.5 to 2.5	Pass
			4.3	-9.363	-0.0053	-2.5 to 2.5	Pass
		-30	3.91	-9.445	-0.0054	-2.5 to 2.5	Pass
		-20	3.91	-9.683	-0.0055	-2.5 to 2.5	Pass
		-10	3.91	-9.607	-0.0055	-2.5 to 2.5	Pass
		0	3.91	-9.792	-0.0056	-2.5 to 2.5	Pass
		10	3.91	-9.585	-0.0055	-2.5 to 2.5	Pass
		30	3.91	-9.504	-0.0054	-2.5 to 2.5	Pass
		40	3.91	-9.685	-0.0055	-2.5 to 2.5	Pass
		50	3.91	-8.364	-0.0048	-2.5 to 2.5	Pass
HSDPA	1712.4	20	3.6	10.033	0.0059	-2.5 to 2.5	Pass
			3.91	9.896	0.0058	-2.5 to 2.5	Pass
			4.3	10.400	0.0061	-2.5 to 2.5	Pass
		-30	3.91	9.418	0.0055	-2.5 to 2.5	Pass
		-20	3.91	9.123	0.0053	-2.5 to 2.5	Pass
		-10	3.91	10.078	0.0059	-2.5 to 2.5	Pass
		0	3.91	9.767	0.0057	-2.5 to 2.5	Pass
		10	3.91	10.697	0.0062	-2.5 to 2.5	Pass
		30	3.91	9.832	0.0057	-2.5 to 2.5	Pass
		40	3.91	9.982	0.0058	-2.5 to 2.5	Pass
		50	3.91	10.273	0.0060	-2.5 to 2.5	Pass
	1732.6	20	3.6	-1.733	-0.0010	-2.5 to 2.5	Pass
			3.91	-1.597	-0.0009	-2.5 to 2.5	Pass
			4.3	-1.916	-0.0011	-2.5 to 2.5	Pass

		-30	3.91	-1.445	-0.0008	-2.5 to 2.5	Pass
		-20	3.91	-1.765	-0.0010	-2.5 to 2.5	Pass
		-10	3.91	-1.950	-0.0011	-2.5 to 2.5	Pass
		0	3.91	-2.006	-0.0012	-2.5 to 2.5	Pass
		10	3.91	-2.164	-0.0012	-2.5 to 2.5	Pass
		30	3.91	-1.528	-0.0009	-2.5 to 2.5	Pass
		40	3.91	-1.863	-0.0011	-2.5 to 2.5	Pass
		50	3.91	-1.614	-0.0009	-2.5 to 2.5	Pass
	1752.6	20	3.6	-7.693	-0.0044	-2.5 to 2.5	Pass
			3.91	-7.547	-0.0043	-2.5 to 2.5	Pass
			4.3	-7.835	-0.0045	-2.5 to 2.5	Pass
		-30	3.91	-8.140	-0.0046	-2.5 to 2.5	Pass
		-20	3.91	-8.059	-0.0046	-2.5 to 2.5	Pass
		-10	3.91	-7.595	-0.0043	-2.5 to 2.5	Pass
		0	3.91	-7.895	-0.0045	-2.5 to 2.5	Pass
		10	3.91	-7.579	-0.0043	-2.5 to 2.5	Pass
		30	3.91	-7.980	-0.0046	-2.5 to 2.5	Pass
		40	3.91	-7.598	-0.0043	-2.5 to 2.5	Pass
		50	3.91	-7.490	-0.0043	-2.5 to 2.5	Pass
HSUPA	1712.4	20	3.6	6.482	0.0038	-2.5 to 2.5	Pass
			3.91	6.424	0.0038	-2.5 to 2.5	Pass
			4.3	5.589	0.0033	-2.5 to 2.5	Pass
		-30	3.91	6.295	0.0037	-2.5 to 2.5	Pass
		-20	3.91	7.112	0.0042	-2.5 to 2.5	Pass
		-10	3.91	6.727	0.0039	-2.5 to 2.5	Pass
		0	3.91	6.145	0.0036	-2.5 to 2.5	Pass
		10	3.91	8.687	0.0051	-2.5 to 2.5	Pass
		30	3.91	8.521	0.0050	-2.5 to 2.5	Pass
		40	3.91	7.777	0.0045	-2.5 to 2.5	Pass
		50	3.91	8.237	0.0048	-2.5 to 2.5	Pass
	1732.6	20	3.6	-3.787	-0.0022	-2.5 to 2.5	Pass
			3.91	-3.347	-0.0019	-2.5 to 2.5	Pass
			4.3	-5.829	-0.0034	-2.5 to 2.5	Pass
		-30	3.91	-3.941	-0.0023	-2.5 to 2.5	Pass
		-20	3.91	-6.746	-0.0039	-2.5 to 2.5	Pass
		-10	3.91	-2.476	-0.0014	-2.5 to 2.5	Pass
		0	3.91	-3.894	-0.0022	-2.5 to 2.5	Pass
		10	3.91	-3.552	-0.0021	-2.5 to 2.5	Pass
		30	3.91	-3.621	-0.0021	-2.5 to 2.5	Pass
		40	3.91	-4.056	-0.0023	-2.5 to 2.5	Pass
		50	3.91	-4.897	-0.0028	-2.5 to 2.5	Pass
	1752.6	20	3.6	-11.202	-0.0064	-2.5 to 2.5	Pass
			3.91	-11.277	-0.0064	-2.5 to 2.5	Pass
			4.3	-10.922	-0.0062	-2.5 to 2.5	Pass
		-30	3.91	-9.531	-0.0054	-2.5 to 2.5	Pass
		-20	3.91	-10.447	-0.0060	-2.5 to 2.5	Pass
		-10	3.91	-9.584	-0.0055	-2.5 to 2.5	Pass
		0	3.91	-11.486	-0.0066	-2.5 to 2.5	Pass
		10	3.91	-11.758	-0.0067	-2.5 to 2.5	Pass
		30	3.91	-12.157	-0.0069	-2.5 to 2.5	Pass
		40	3.91	-10.558	-0.0060	-2.5 to 2.5	Pass
		50	3.91	-10.848	-0.0062	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 BandV_OBW

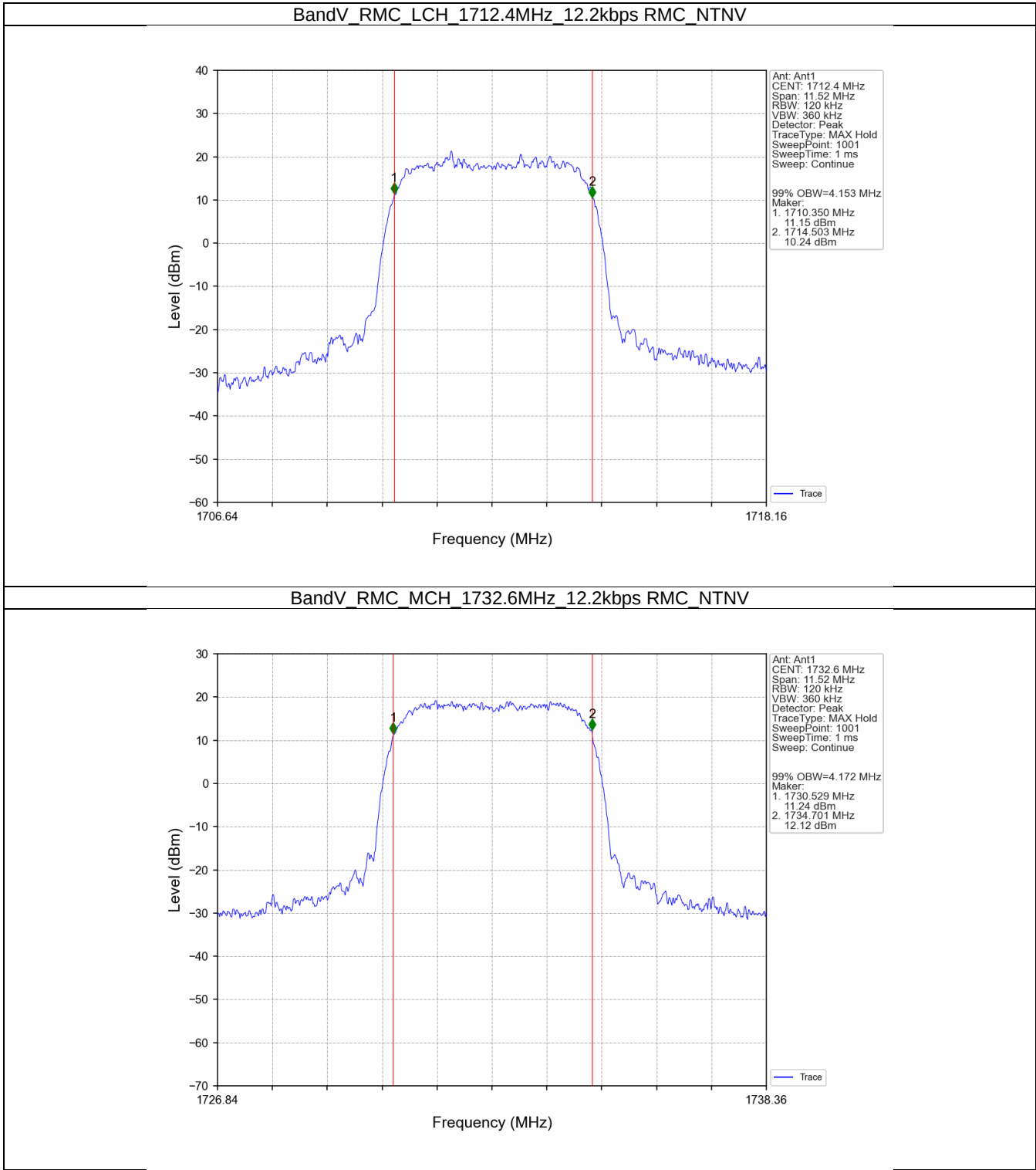
Band: V						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.153	/	Pass
			1732.6	4.172	/	Pass
			1752.6	4.167	/	Pass
	HSDPA	Subtest 1	1712.4	4.171	/	Pass
			1732.6	4.164	/	Pass
			1752.6	4.170	/	Pass
	HSUPA	Subtest 1	1712.4	4.151	/	Pass
			1732.6	4.173	/	Pass
			1752.6	4.154	/	Pass

3.1.2 BandV_XDB

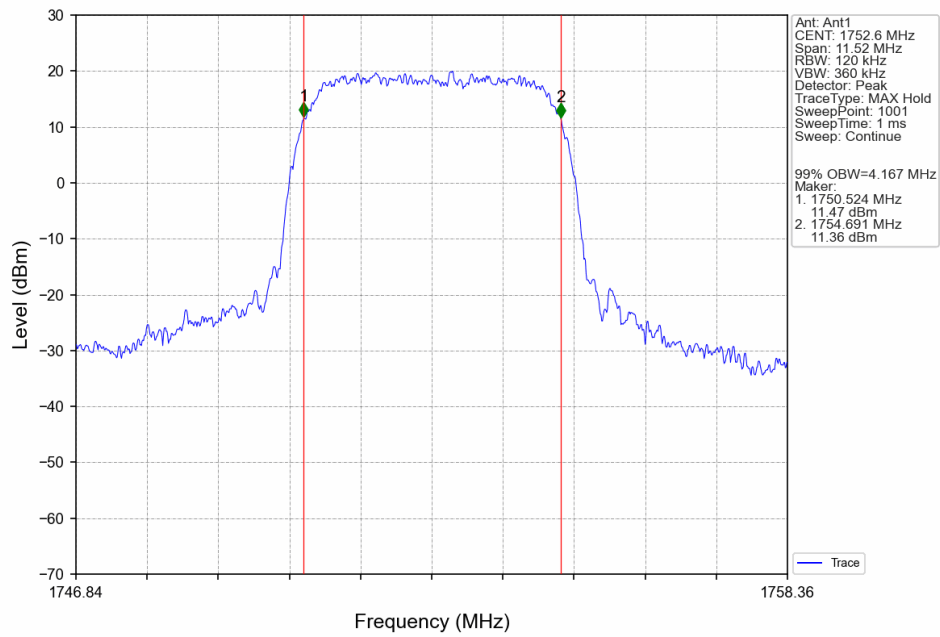
Band: V						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.725	/	Pass
			1732.6	4.781	/	Pass
			1752.6	4.775	/	Pass
	HSDPA	Subtest 1	1712.4	4.757	/	Pass
			1732.6	4.754	/	Pass
			1752.6	4.753	/	Pass
	HSUPA	Subtest 1	1712.4	4.749	/	Pass
			1732.6	4.763	/	Pass
			1752.6	4.733	/	Pass

3.2 Test Graph

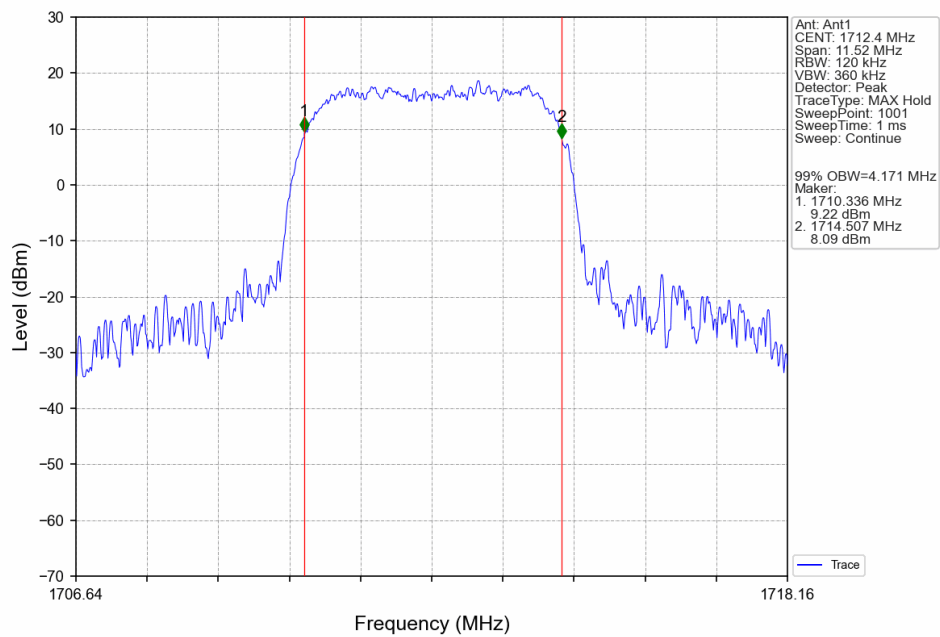
3.2.1 BandV_OBW



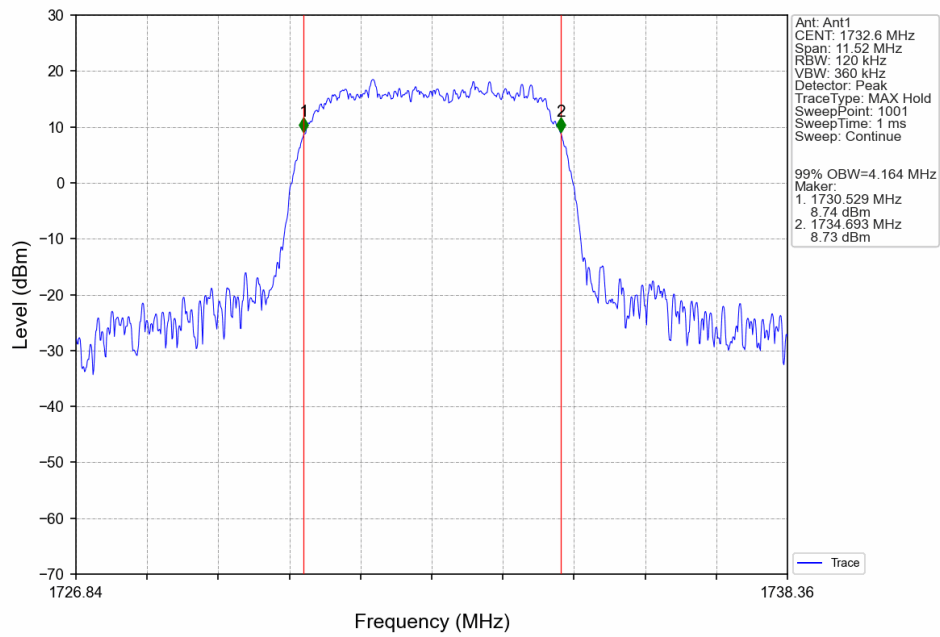
BandV RMC HCH 1752.6MHz 12.2kbps RMC NTN



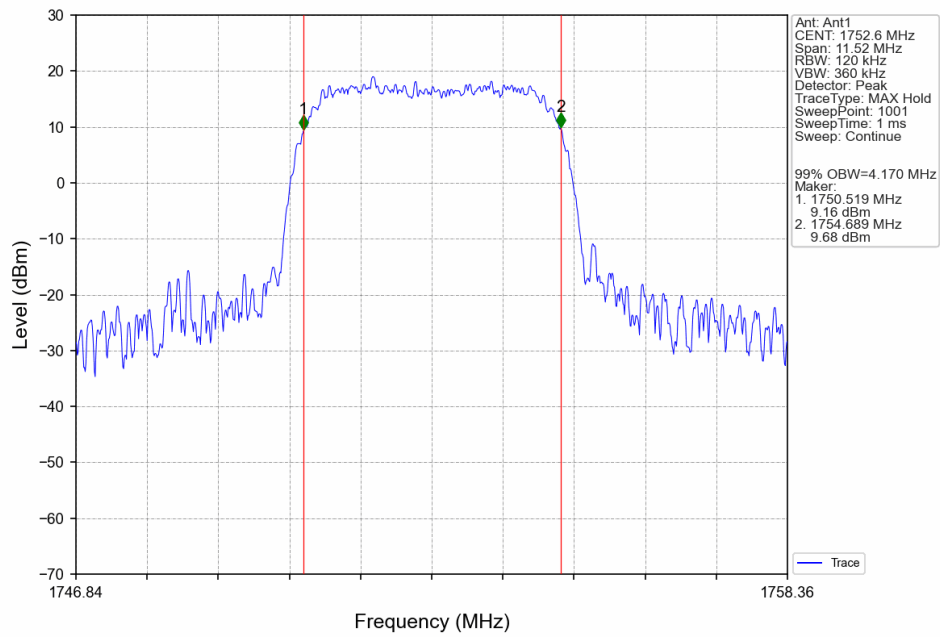
BandV HSDPA LCH 1712.4MHz Subtest 1 NTN



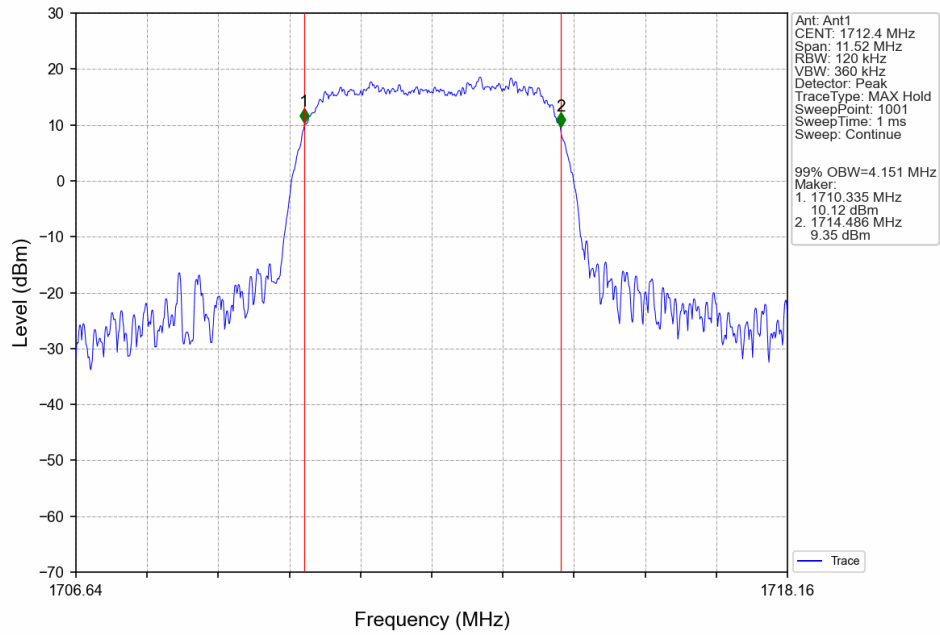
BandV HSDPA MCH 1732.6MHz Subtest 1 NTN



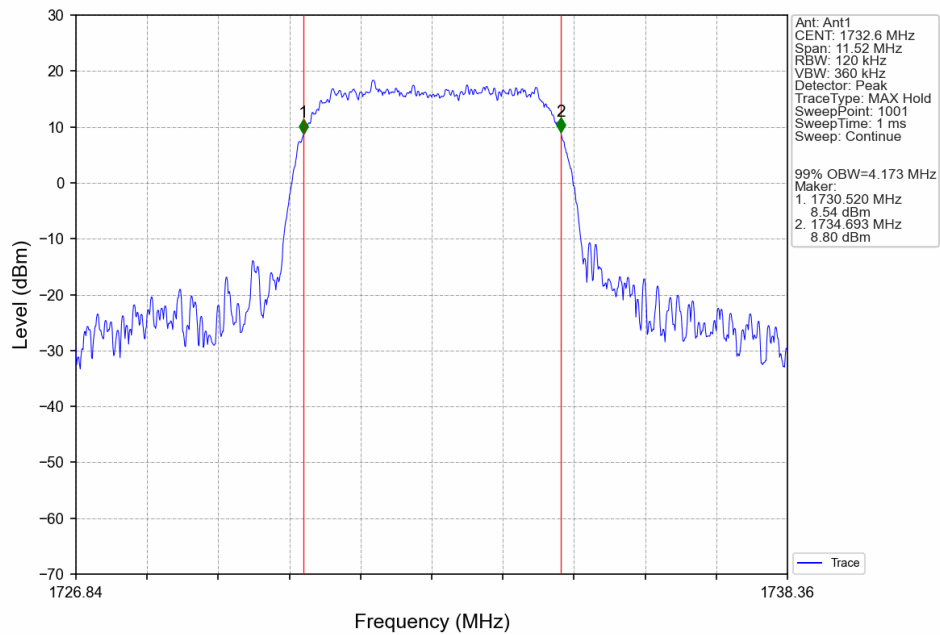
BandV HSDPA HCH 1752.6MHz Subtest 1 NTN



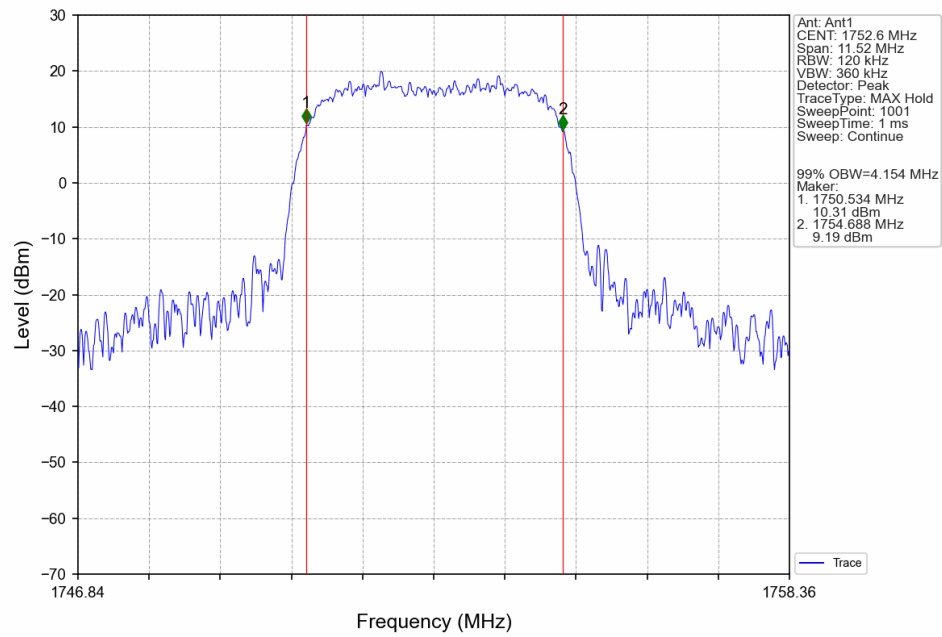
BandV HSUPA LCH 1712.4MHz Subtest 1 NTN



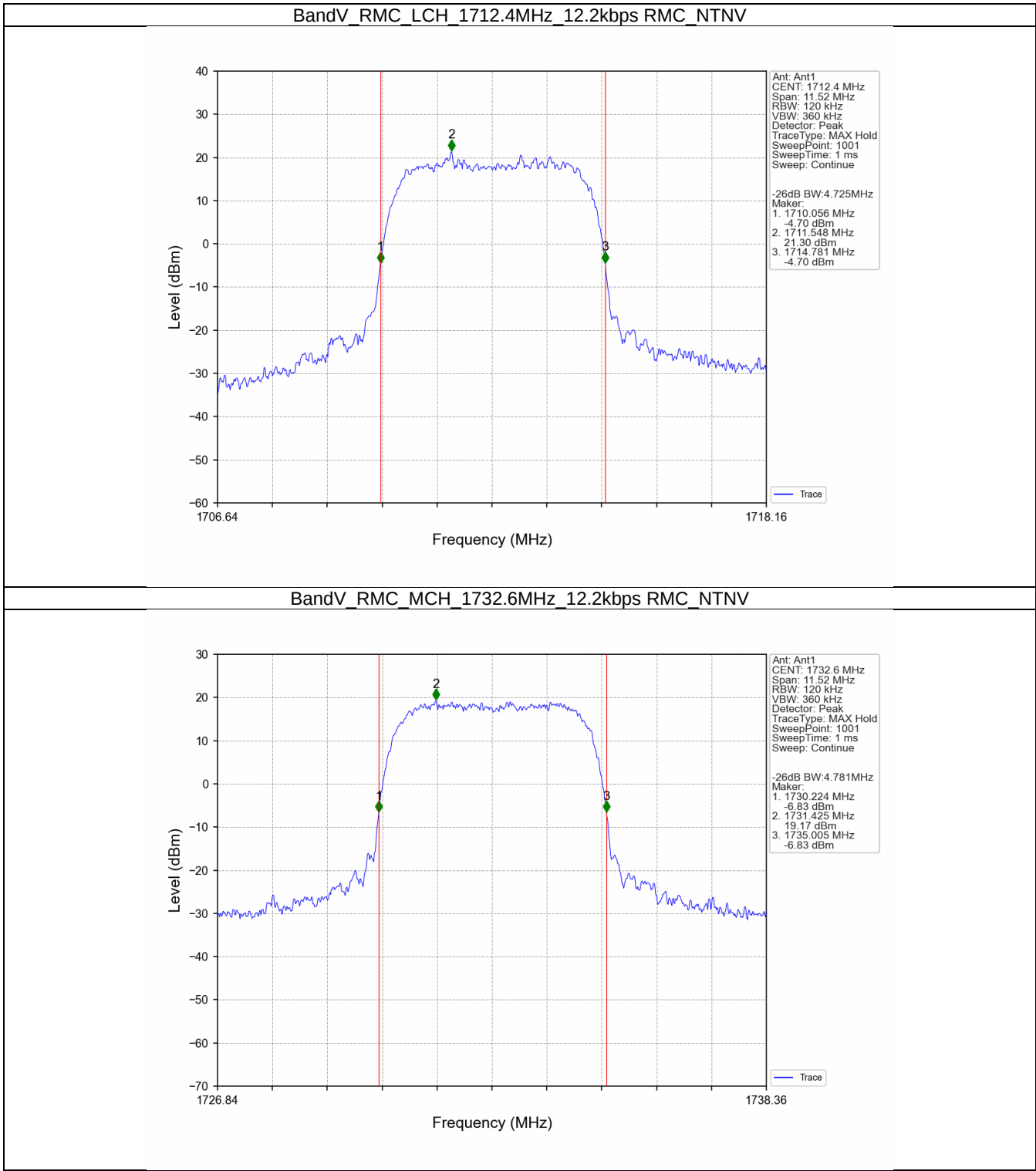
BandV HSUPA MCH 1732.6MHz Subtest 1 NTN



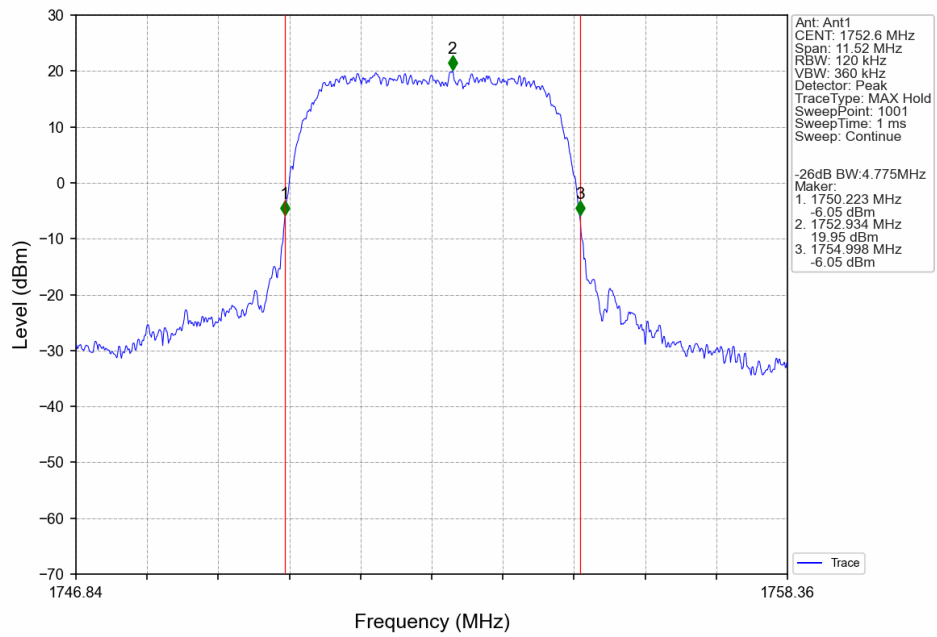
BandV HSUPA HCH 1752.6MHz Subtest 1 NTV



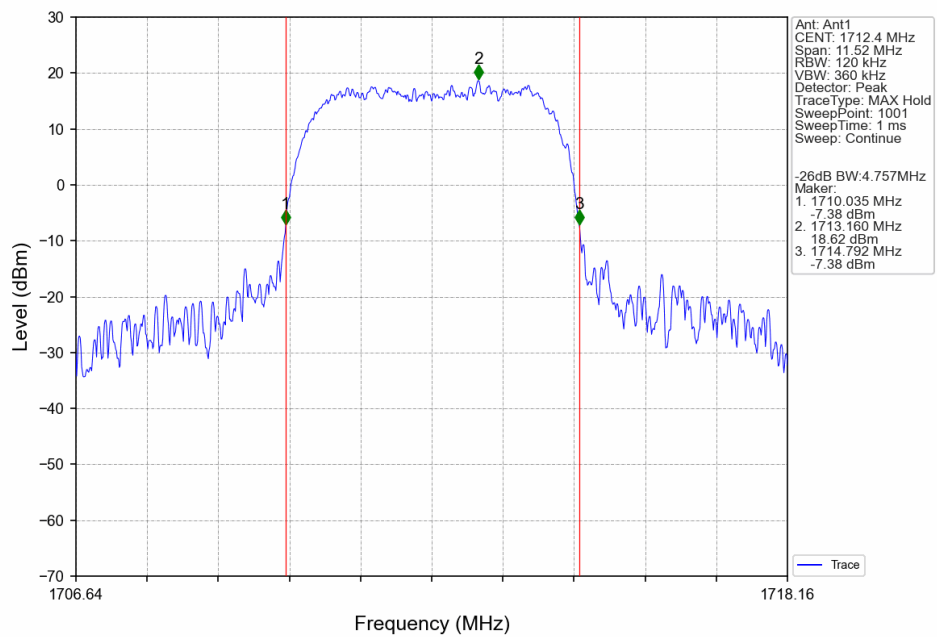
3.2.2 BandV_XDB



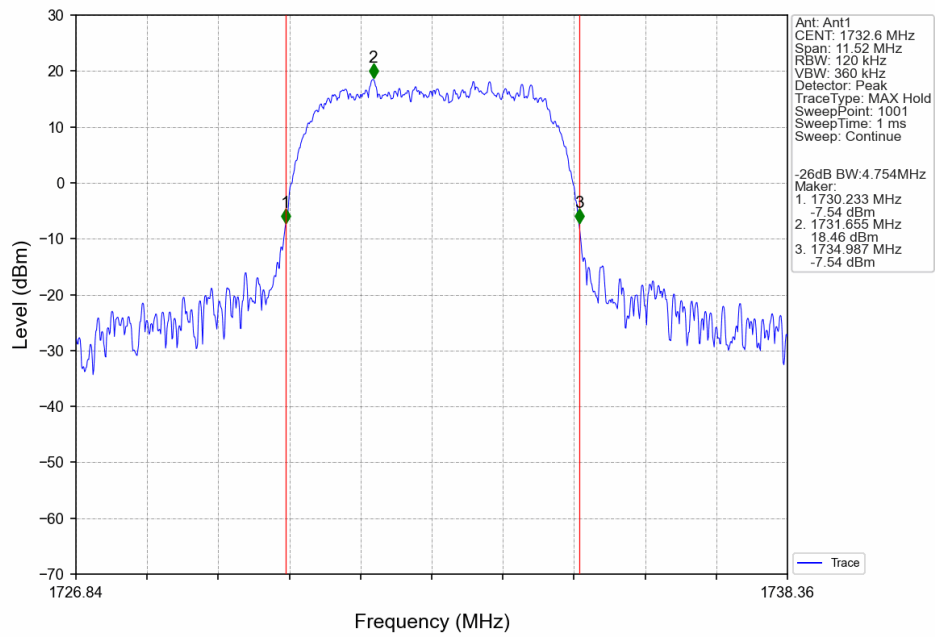
BandV RMC HCH 1752.6MHz 12.2kbps RMC NTN



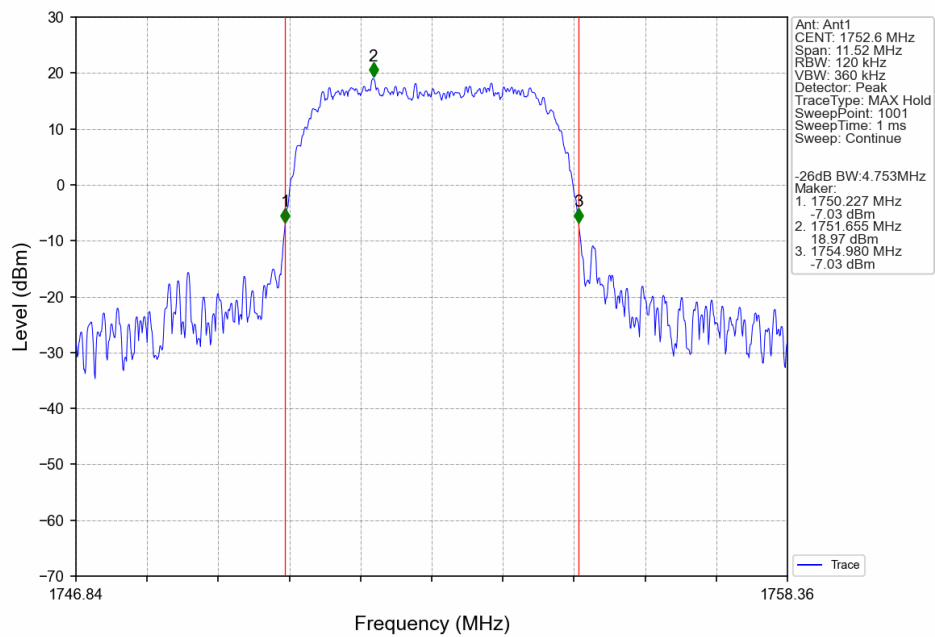
BandV HSDPA LCH 1712.4MHz Subtest 1 NTN



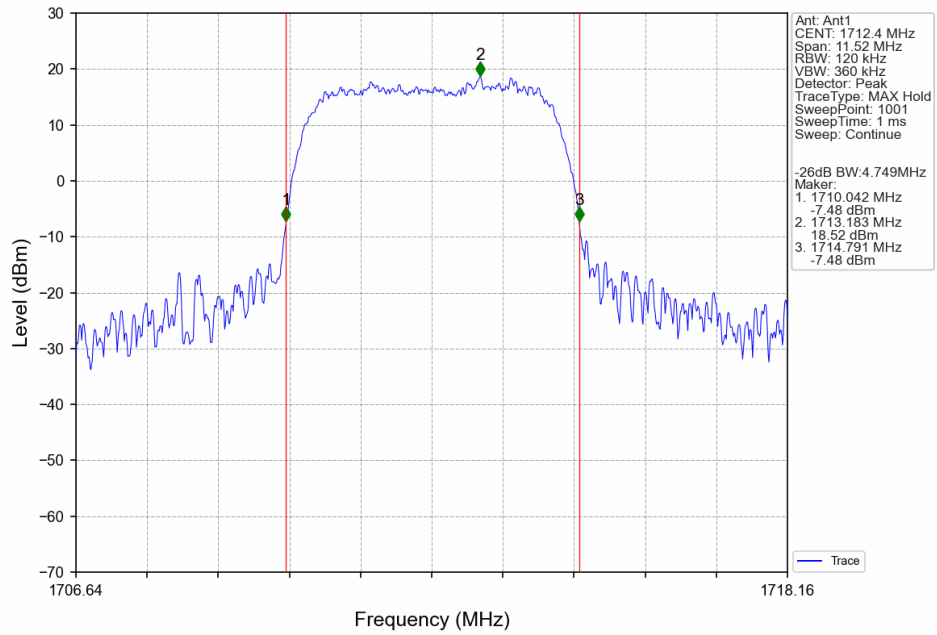
BandV HSDPA MCH 1732.6MHz Subtest 1 NTNV



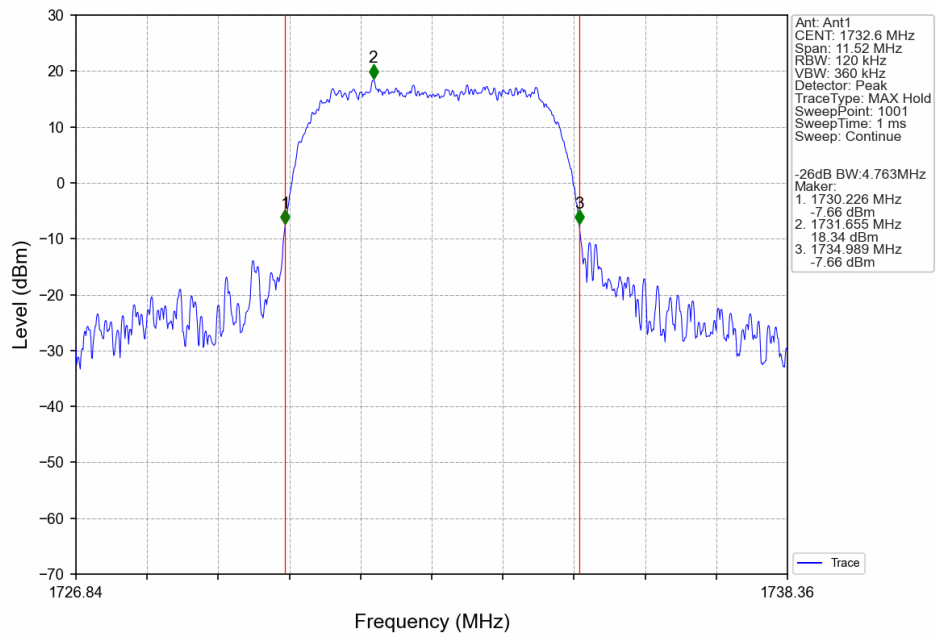
BandV HSDPA HCH 1752.6MHz Subtest 1 NTNV



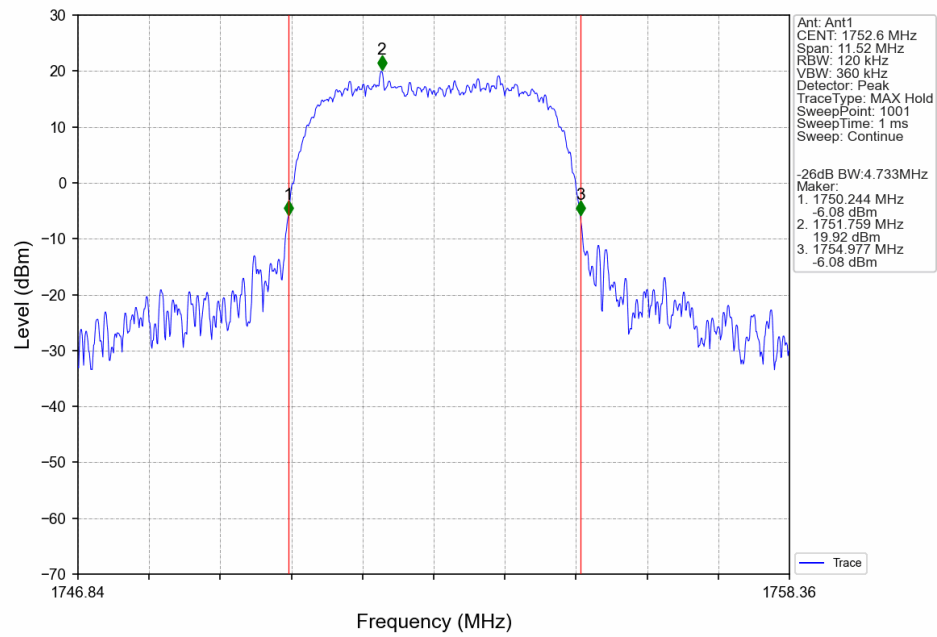
BandV HSUPA LCH 1712.4MHz Subtest 1 NTN



BandV HSUPA MCH 1732.6MHz Subtest 1 NTN



BandV HSUPA HCH 1752.6MHz Subtest 1 NTNV



4. Peak-Average Ratio

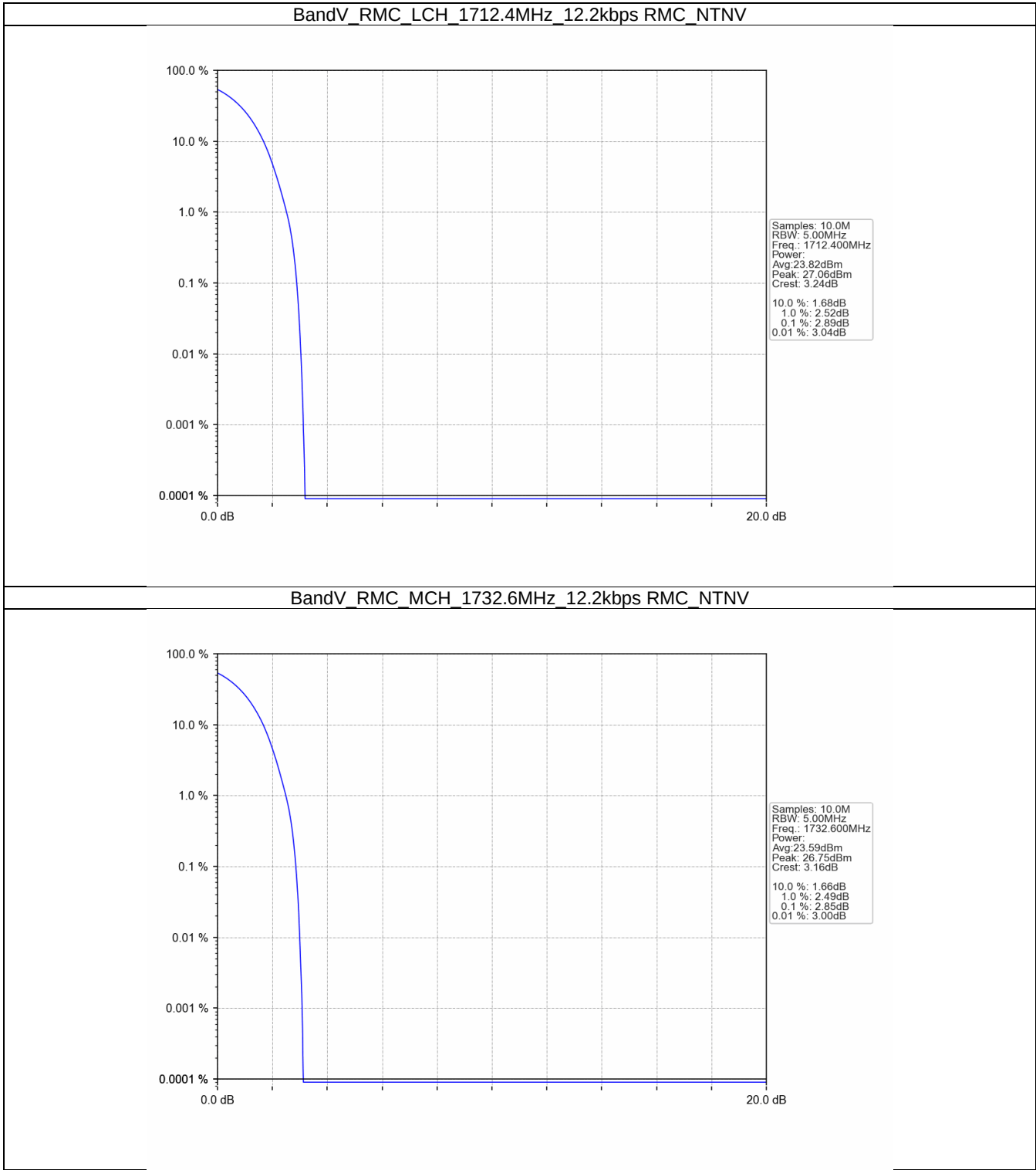
4.1 Test Result

4.1.1 BandV

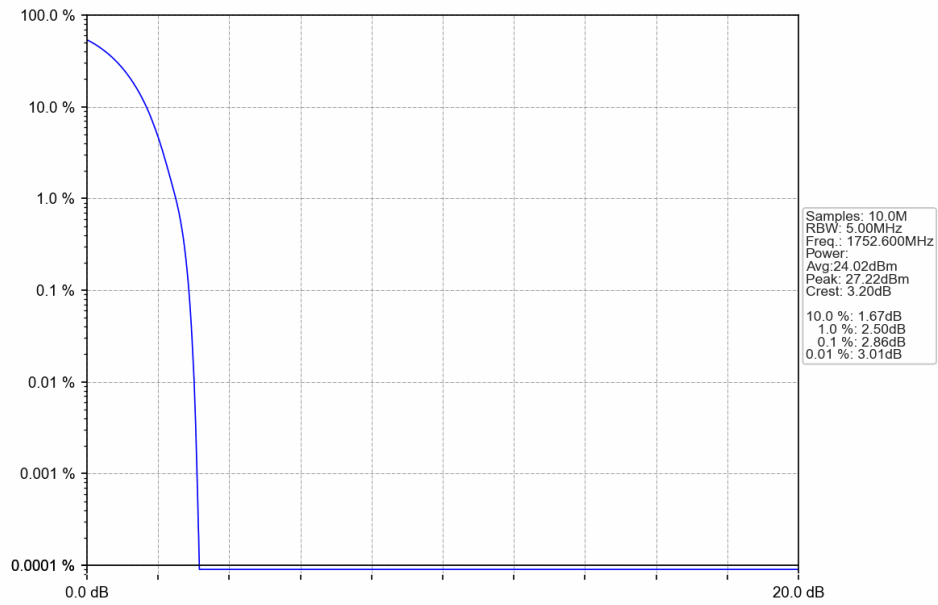
Band: V						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	2.89	<=13	Pass
			1732.6	2.85	<=13	Pass
			1752.6	2.86	<=13	Pass
	HSDPA	Subtest 1	1712.4	5.73	<=13	Pass
			1732.6	5.77	<=13	Pass
			1752.6	5.70	<=13	Pass
	HSUPA	Subtest 1	1712.4	5.74	<=13	Pass
			1732.6	5.78	<=13	Pass
			1752.6	5.72	<=13	Pass

4.2 Test Graph

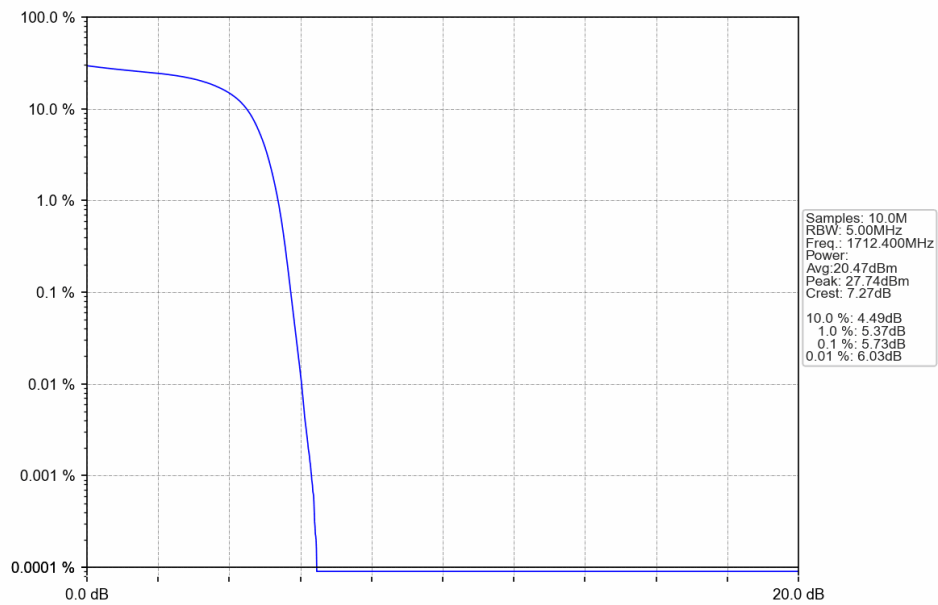
4.2.1 BandV



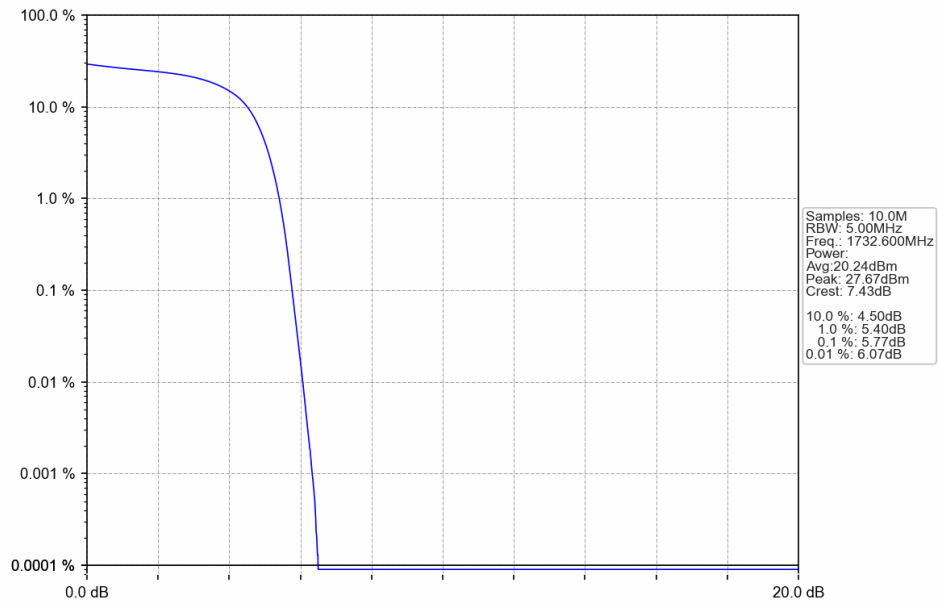
BandV RMC HCH 1752.6MHz 12.2kbps RMC NTN



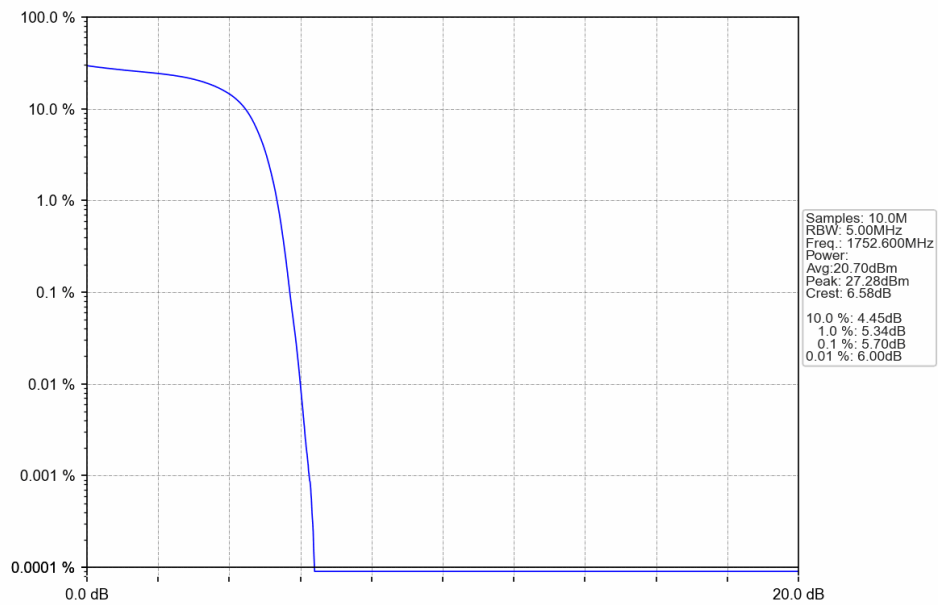
BandV HSDPA LCH 1712.4MHz Subtest 1 NTN



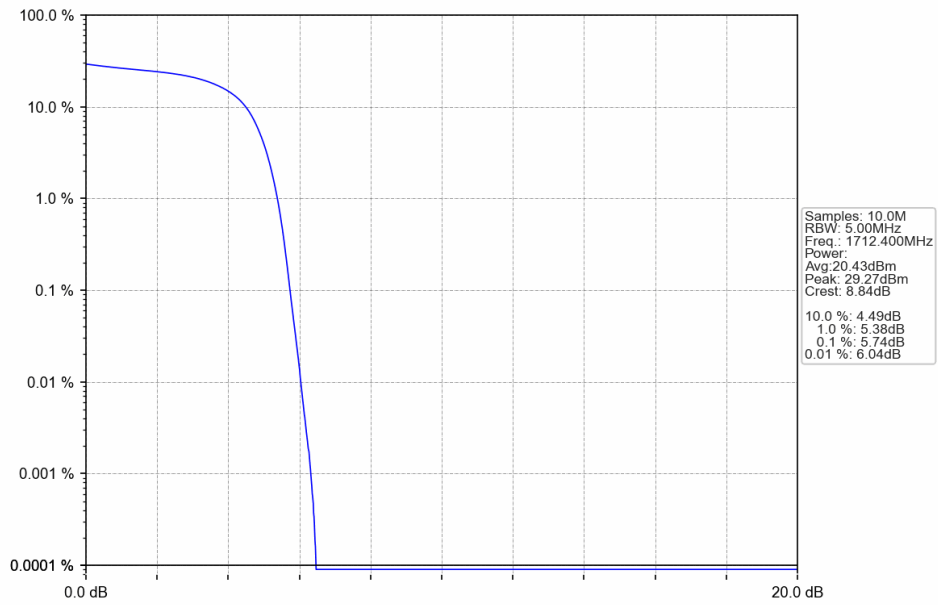
BandV HSDPA MCH 1732.6MHz Subtest 1 NTNV



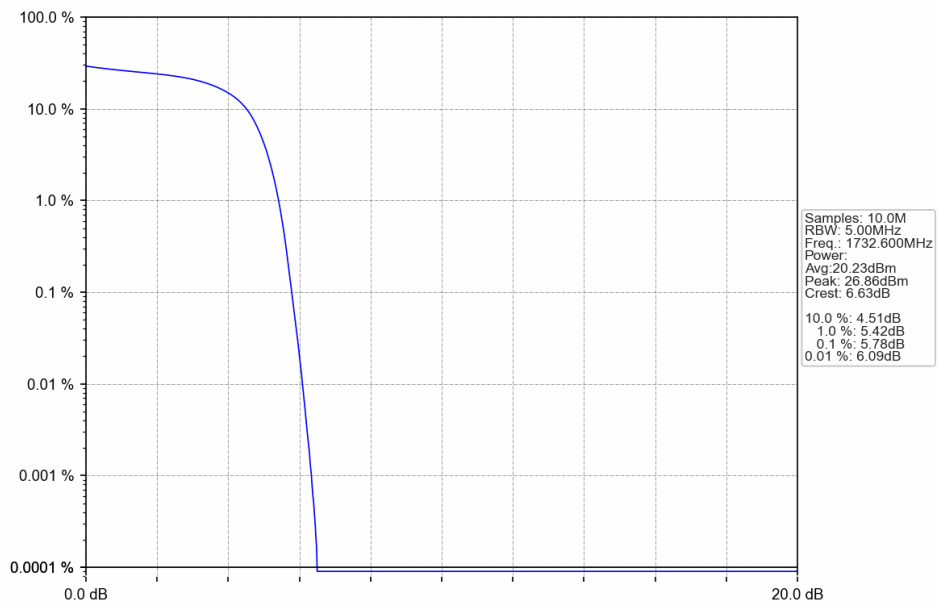
BandV HSDPA HCH 1752.6MHz Subtest 1 NTNV



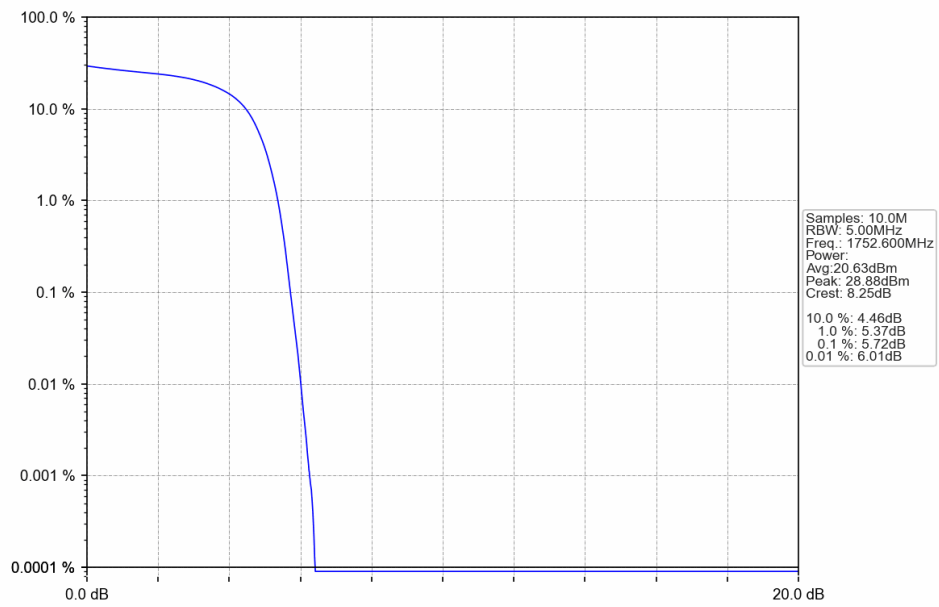
BandV HSUPA LCH 1712.4MHz Subtest 1 NTNV



BandV HSUPA MCH 1732.6MHz Subtest 1 NTNV



BandV HSUPA HCH 1752.6MHz Subtest 1 NTNV



5. Spurious Emission

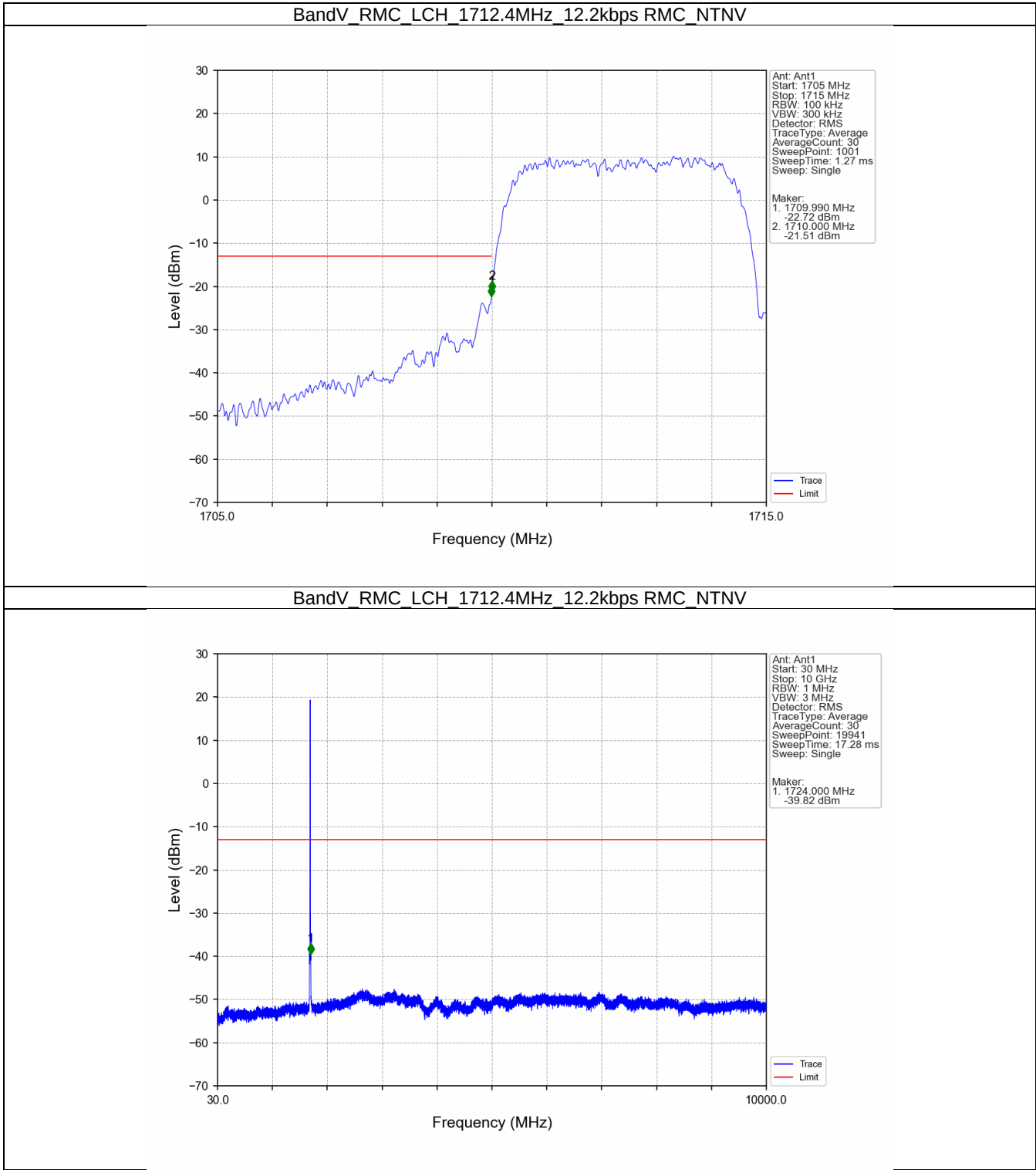
5.1 Test Result

5.1.1 BandV

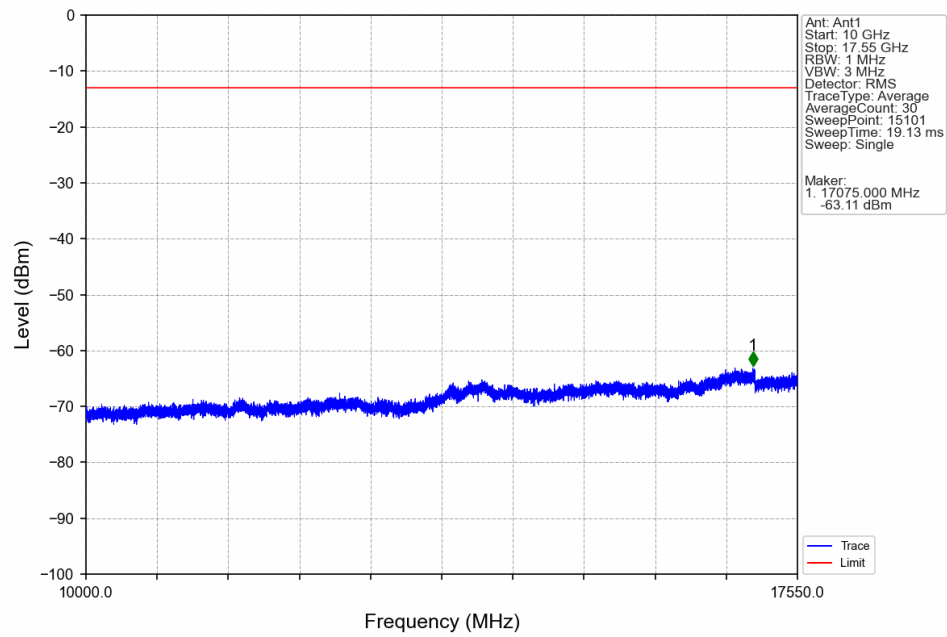
Band: V						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	Refer To Test Graph	Pass	
			1732.6	Refer To Test Graph	Pass	
			1752.6	Refer To Test Graph	Pass	
	HSDPA	Subtest 1	1712.4	Refer To Test Graph	Pass	
			1732.6	Refer To Test Graph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

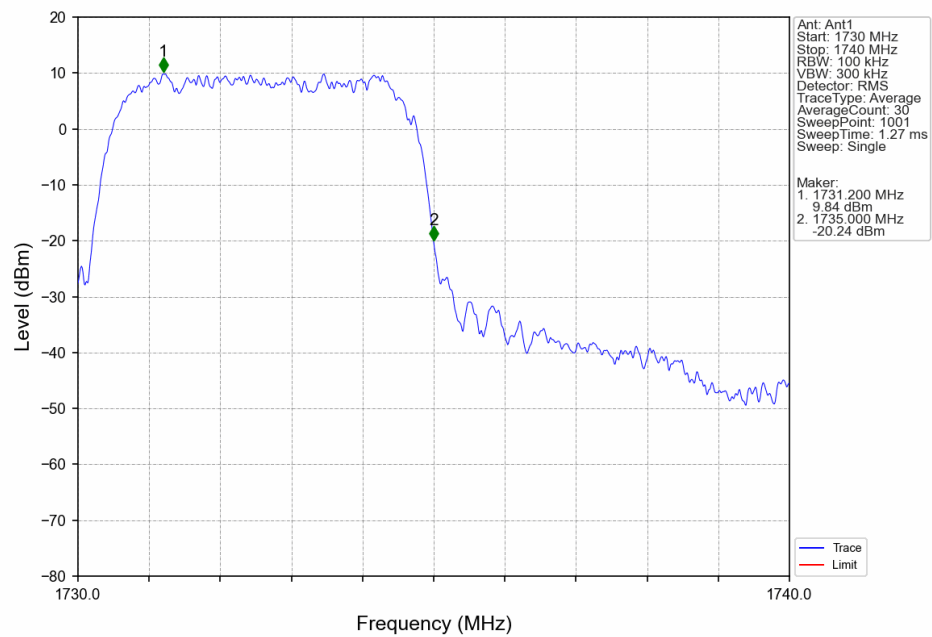
5.2.1 BandV



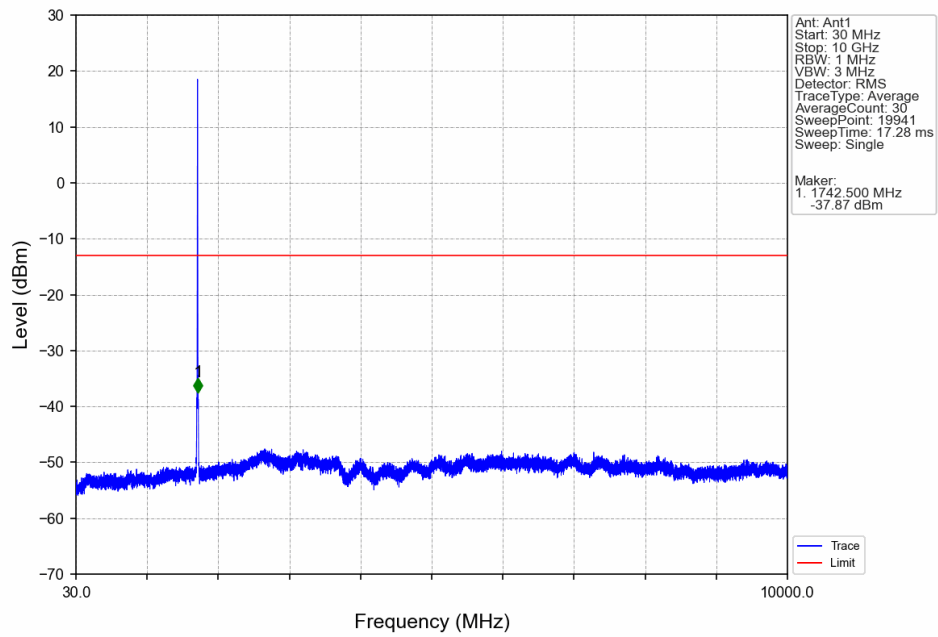
BandV RMC LCH 1712.4MHz 12.2kbps RMC NTN



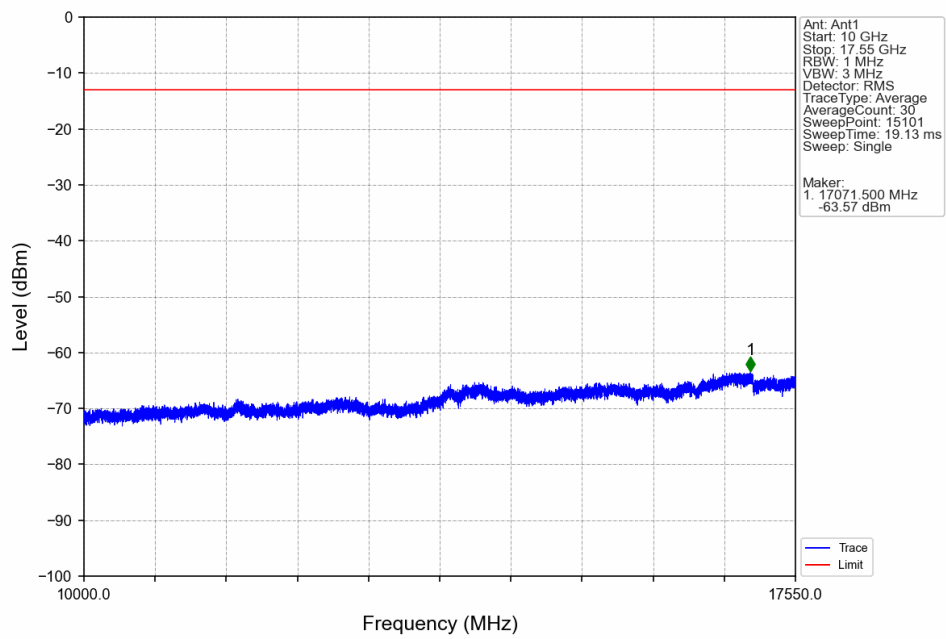
BandV RMC MCH 1732.6MHz 12.2kbps RMC NTN



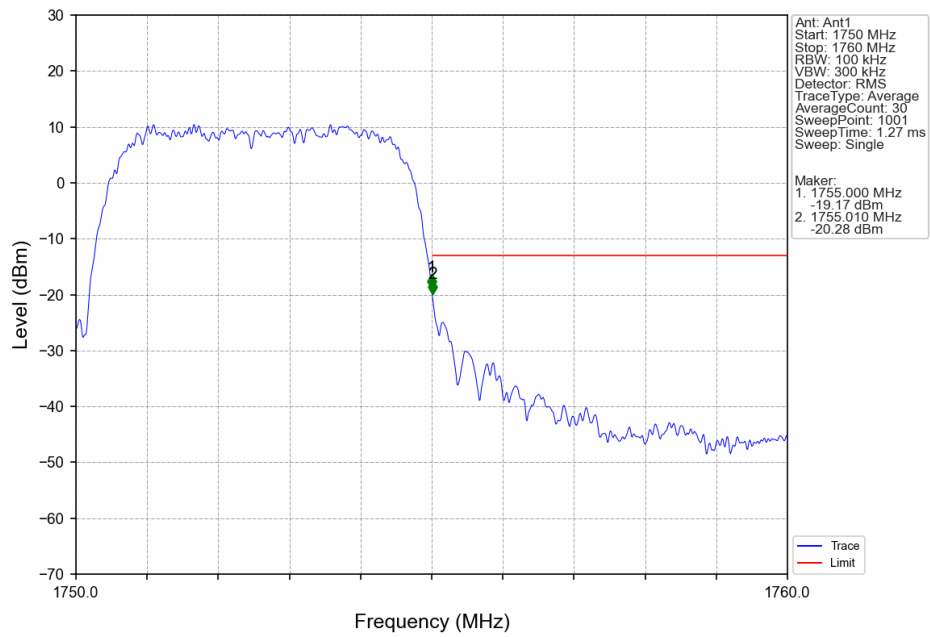
BandV RMC MCH 1732.6MHz 12.2kbps RMC NTN



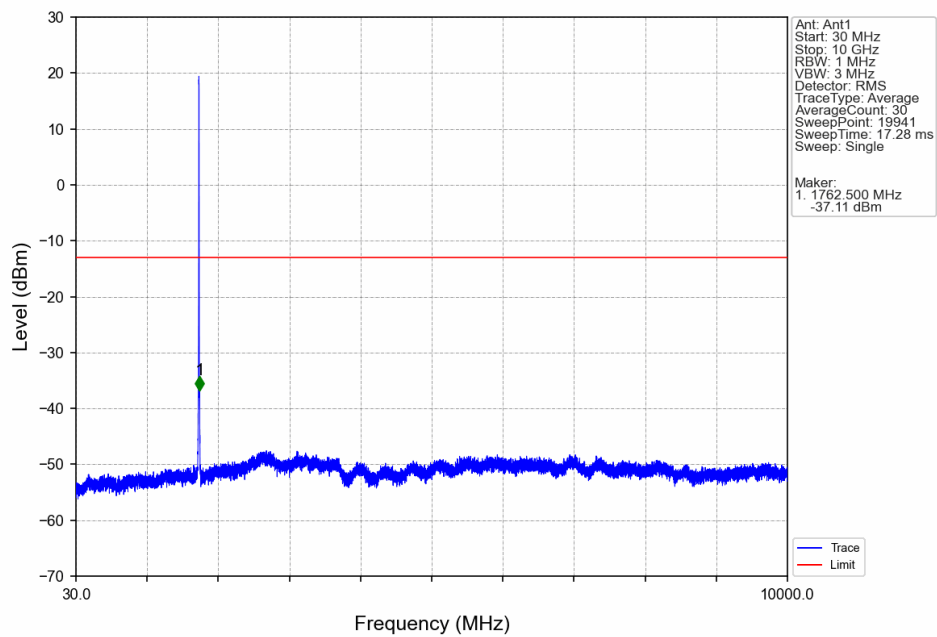
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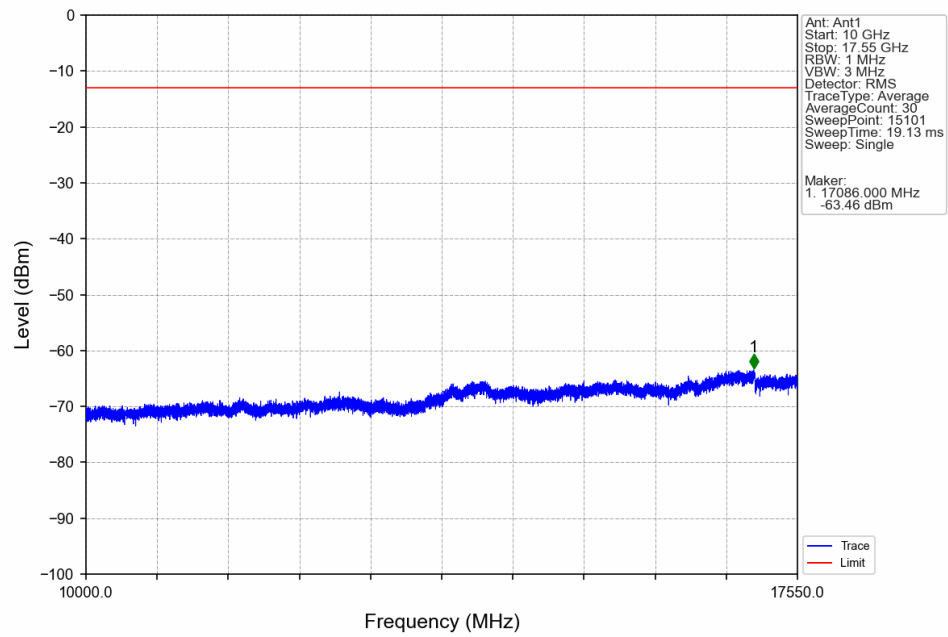
BandV RMC HCH 1752.6MHz 12.2kbps RMC NTN



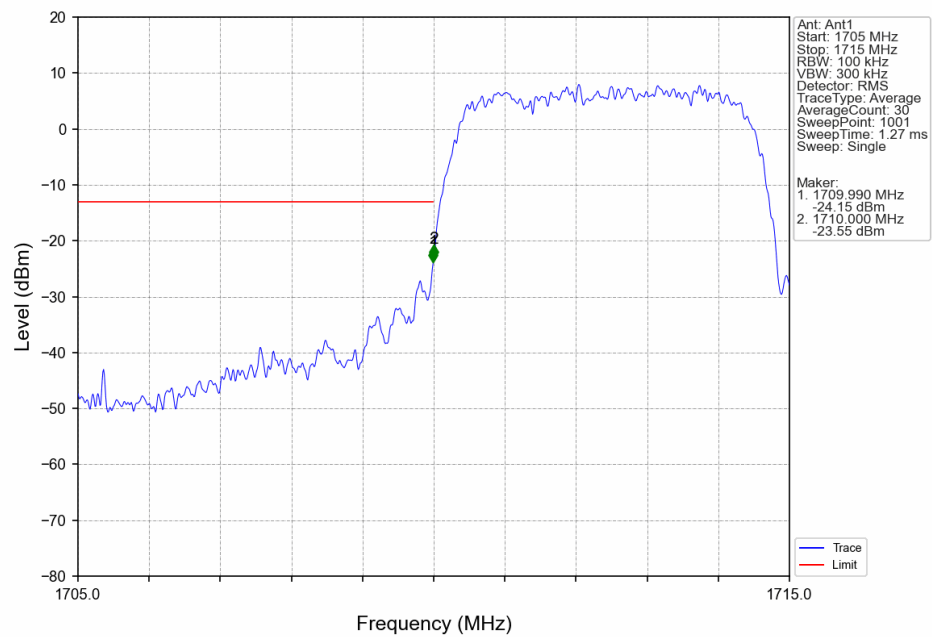
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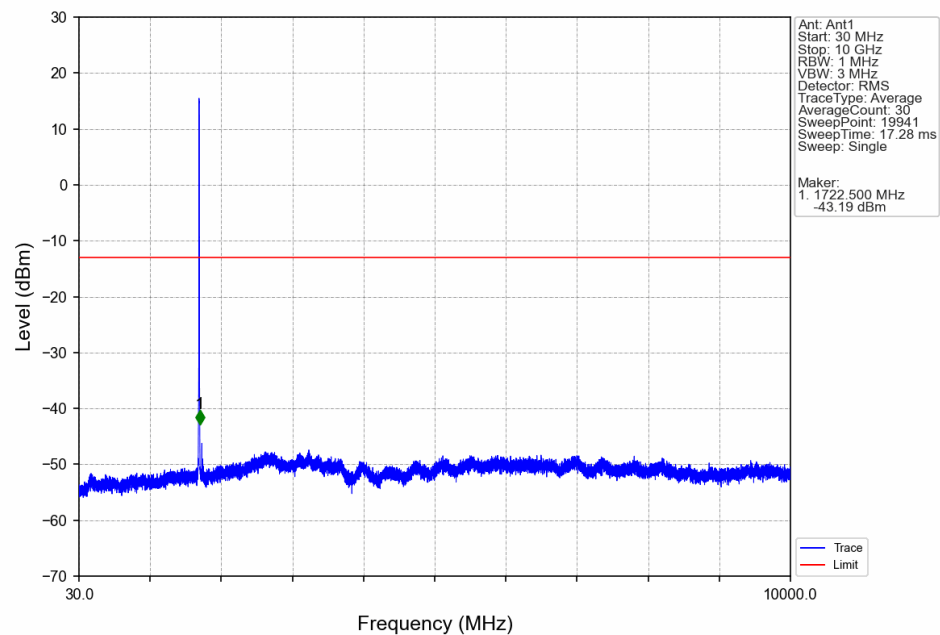
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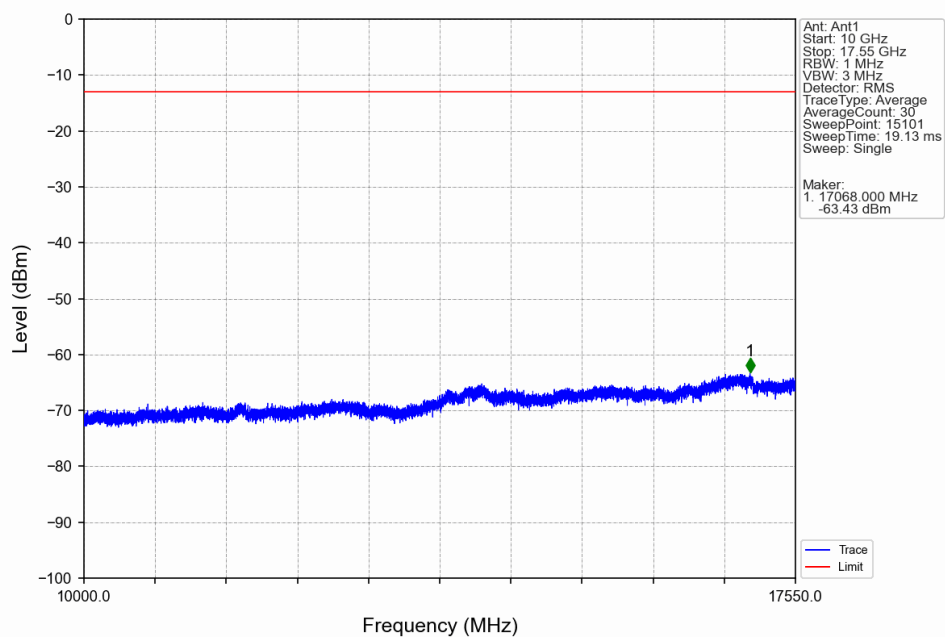
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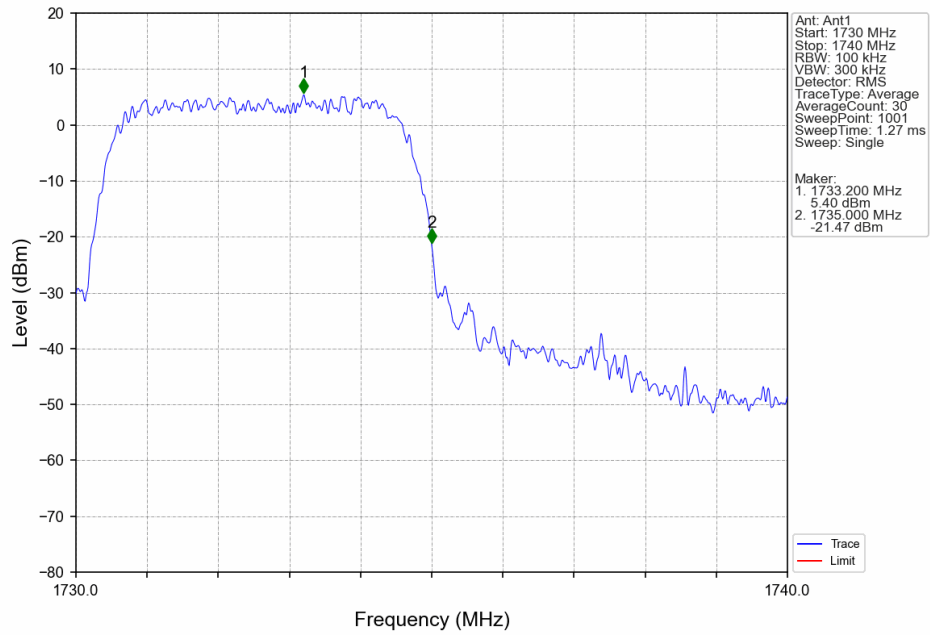
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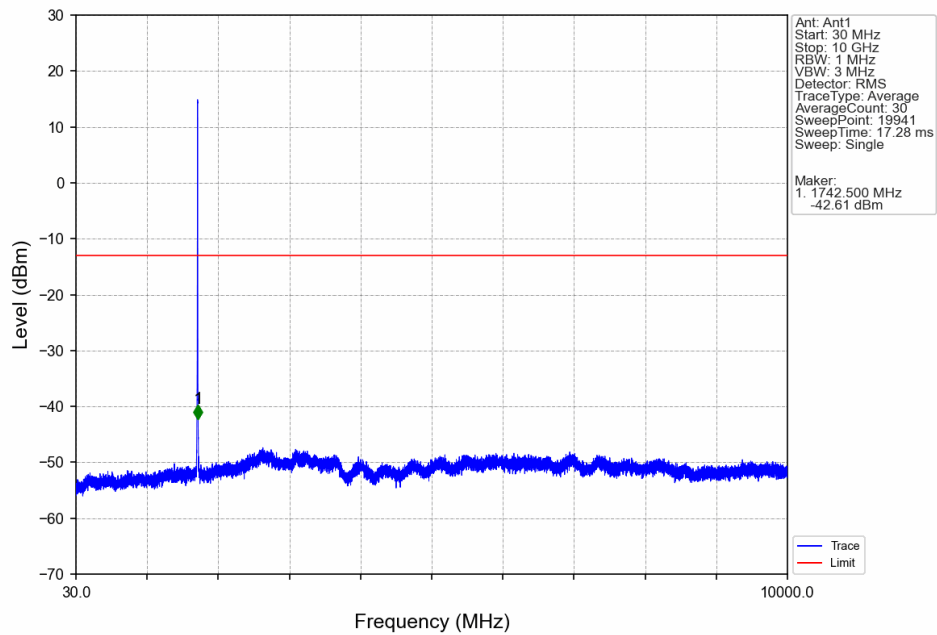
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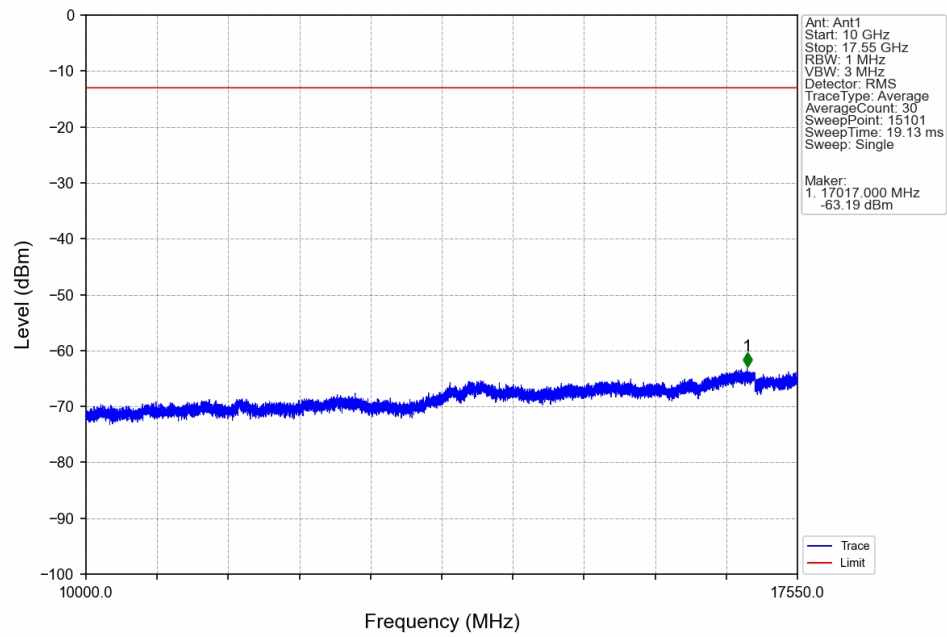
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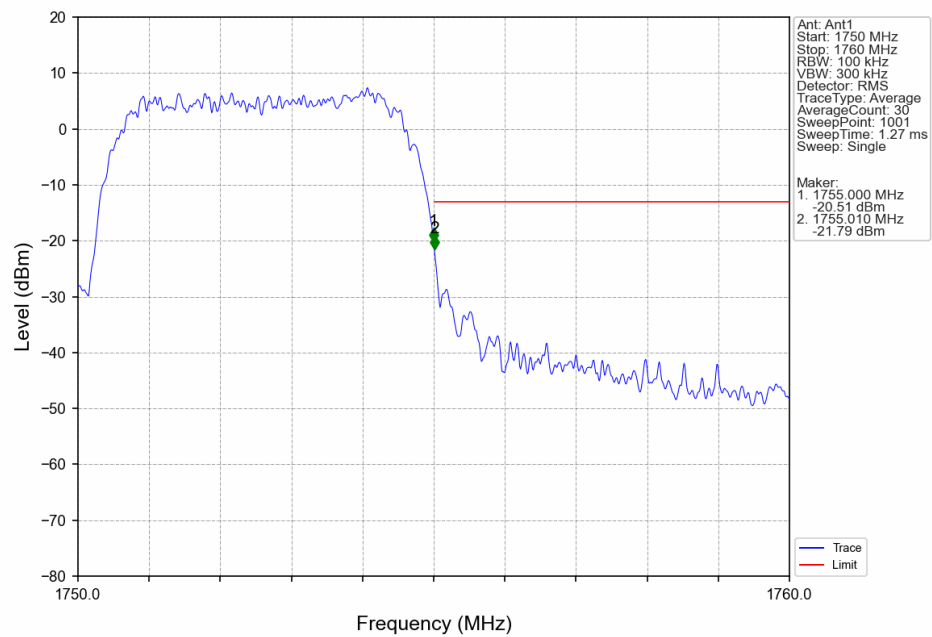
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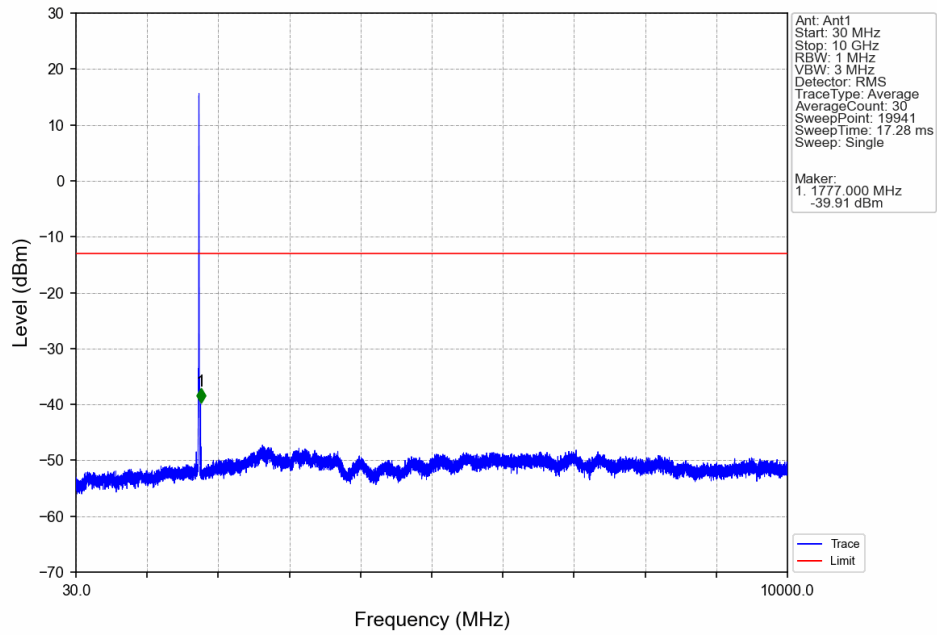
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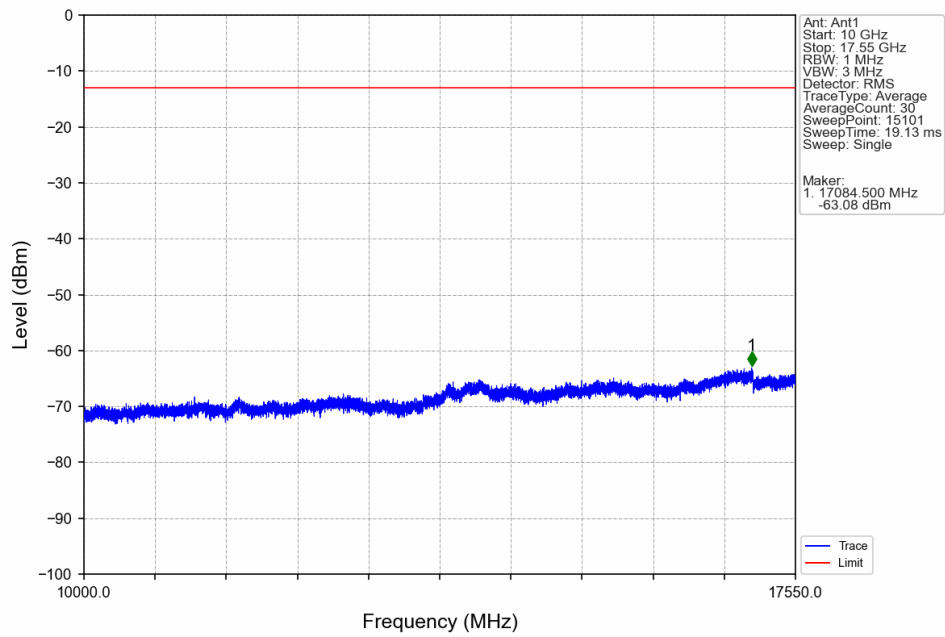
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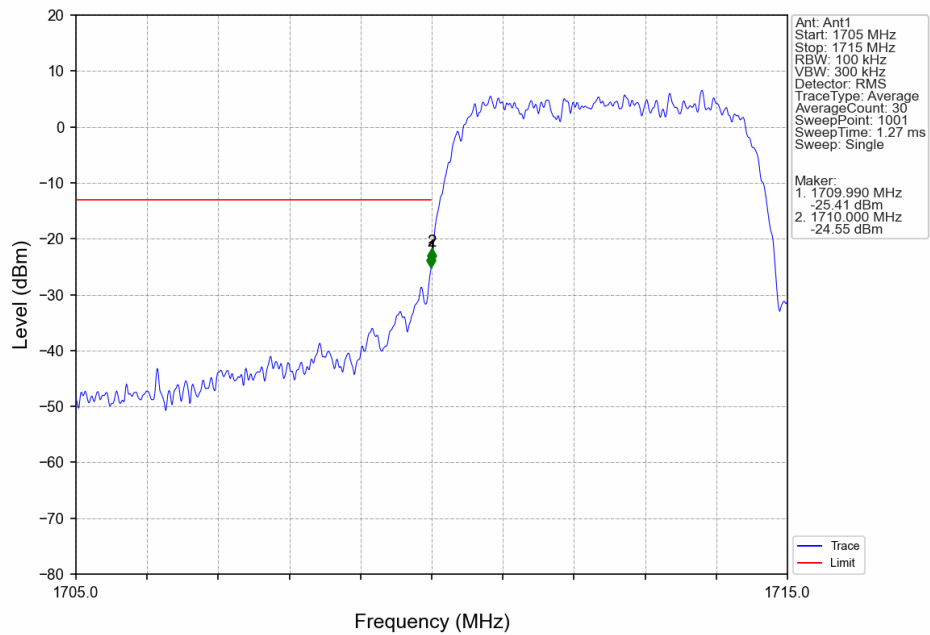
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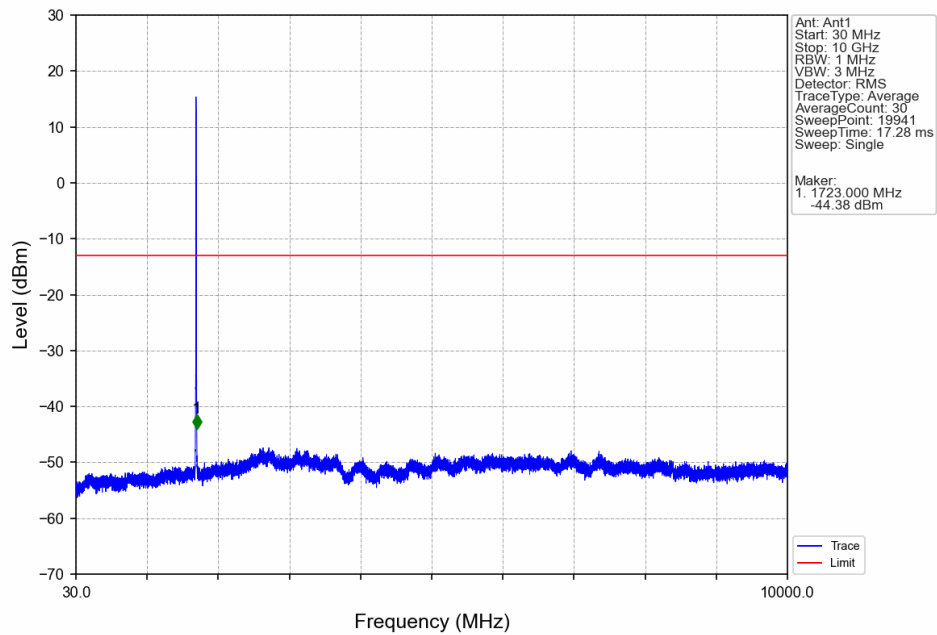
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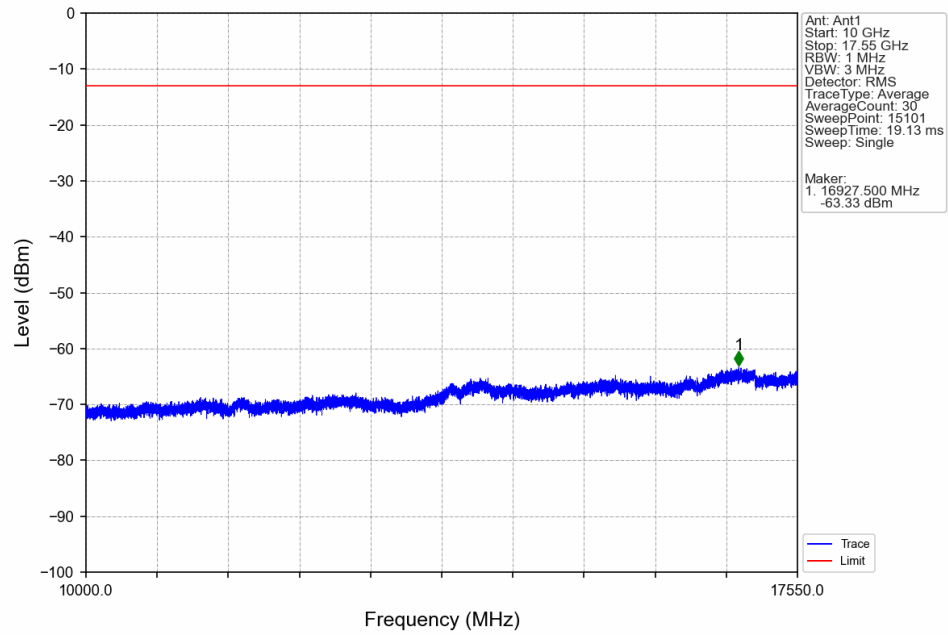
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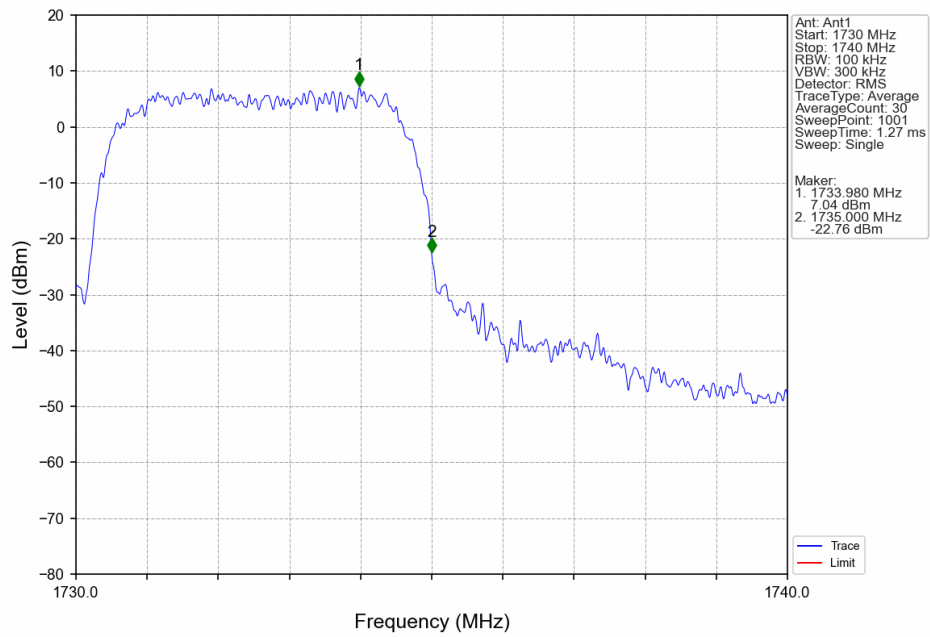
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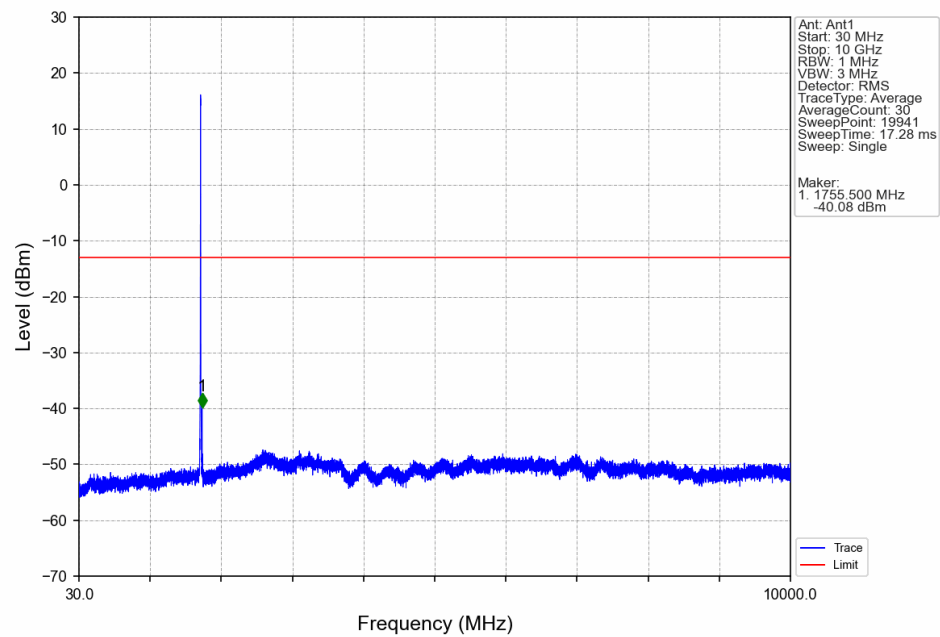
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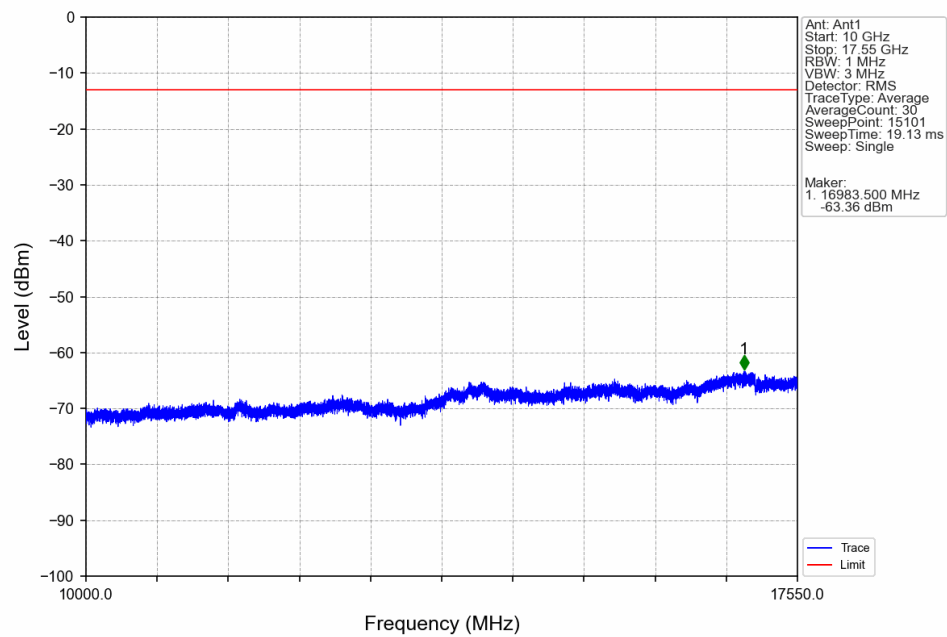
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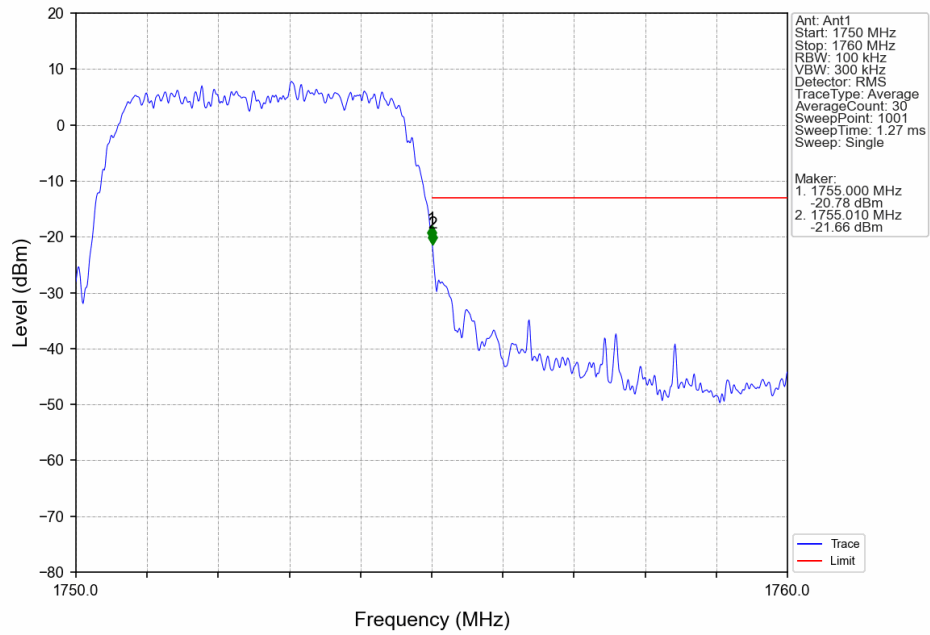
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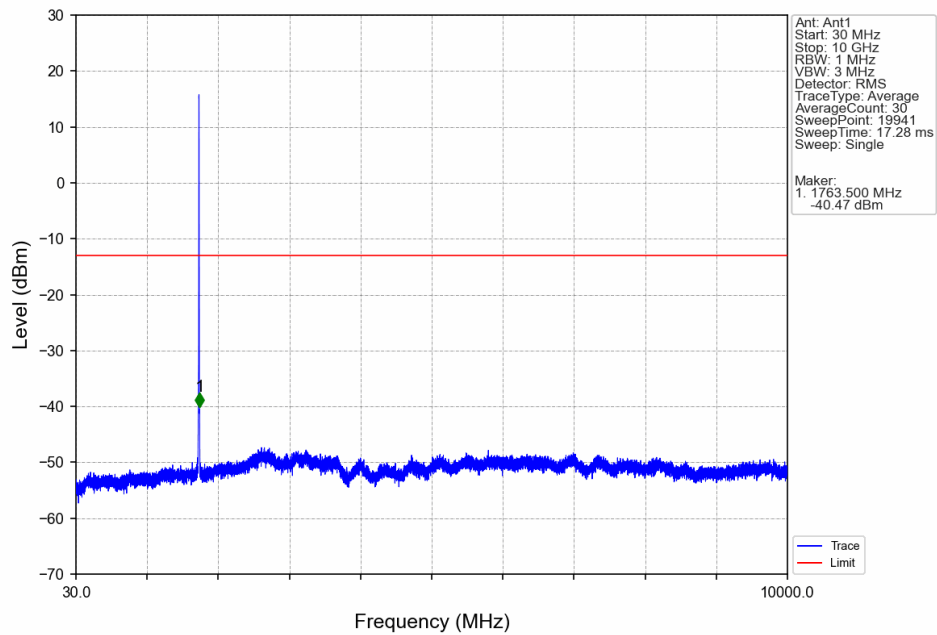
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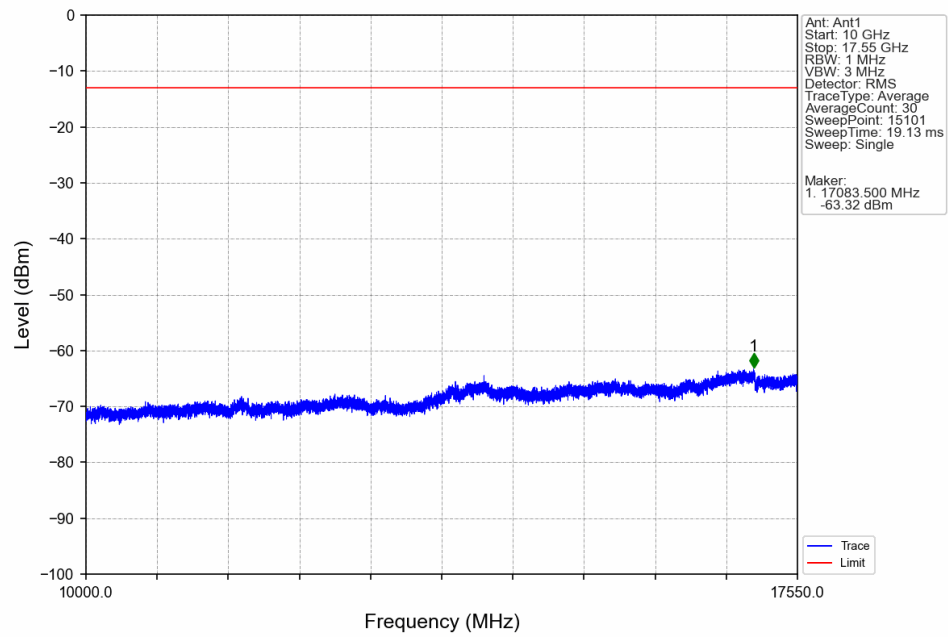
BandV HSUPA HCH 1752.6MHz Subtest 1 NTNV



BandV HSUPA HCH 1752.6MHz Subtest 1 NTNV



BandV HSUPA HCH 1752.6MHz Subtest 1 NTV



6. Field Strength of Spurious Radiation

WCDMA Band IV ANT2-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3424.8	-66.43	-13	-53.43	-71.05	3.36	7.98	Horizontal	Pass
5137.2	-61.89	-13	-48.89	-67.51	4.61	10.23	Horizontal	Pass
6849.6	-60.97	-13	-47.97	-67.01	4.9	10.94	Horizontal	Pass
3424.8	-66.59	-13	-53.59	-71.21	3.36	7.98	Vertical	Pass
5137.2	-62.64	-13	-49.64	-68.26	4.61	10.23	Vertical	Pass
6849.6	-60.92	-13	-47.92	-66.96	4.9	10.94	Vertical	Pass

WCDMA Band IV ANT2-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3465.2	-66.58	-13	-53.58	-71.28	3.38	8.08	Horizontal	Pass
5197.8	-63.12	-13	-50.12	-68.75	4.63	10.26	Horizontal	Pass
6930.4	-61.25	-13	-48.25	-67.38	4.91	11.04	Horizontal	Pass
3465.2	-66.83	-13	-53.83	-71.53	3.38	8.08	Vertical	Pass
5197.8	-63.19	-13	-50.19	-68.82	4.63	10.26	Vertical	Pass
6930.4	-61.02	-13	-48.02	-67.15	4.91	11.04	Vertical	Pass

WCDMA Band IV ANT2-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3505.2	-66.32	-13	-53.32	-71.1	3.4	8.18	Horizontal	Pass
5257.8	-62.41	-13	-49.41	-68.06	4.65	10.3	Horizontal	Pass
7010.4	-60.82	-13	-47.82	-67.04	4.92	11.14	Horizontal	Pass
3505.2	-66.44	-13	-53.44	-71.22	3.4	8.18	Vertical	Pass
5257.8	-62.5	-13	-49.5	-68.15	4.65	10.3	Vertical	Pass
7010.4	-60.65	-13	-47.65	-66.87	4.92	11.14	Vertical	Pass