

Appendix A.2

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	22.80	0.50	23.30	<=30	Pass	
			1732.6	22.95	0.50	23.45	<=30	Pass	
			1752.6	22.93	0.50	23.43	<=30	Pass	
	HSDPA	Subtest 1	1712.4	20.77	0.50	21.27	<=30	Pass	
		Subtest 2	1712.4	20.80	0.50	21.30	<=30	Pass	
		Subtest 3	1712.4	20.82	0.50	21.32	<=30	Pass	
		Subtest 4	1712.4	20.80	0.50	21.30	<=30	Pass	
		Subtest 1	1732.6	20.94	0.50	21.44	<=30	Pass	
		Subtest 2	1732.6	20.97	0.50	21.47	<=30	Pass	
		Subtest 3	1732.6	20.96	0.50	21.46	<=30	Pass	
		Subtest 4	1732.6	20.95	0.50	21.45	<=30	Pass	
		Subtest 1	1752.6	21.03	0.50	21.53	<=30	Pass	
		Subtest 2	1752.6	21.04	0.50	21.54	<=30	Pass	
		Subtest 3	1752.6	21.05	0.50	21.55	<=30	Pass	
		Subtest 4	1752.6	21.04	0.50	21.54	<=30	Pass	
		HSUPA	Subtest 1	1712.4	19.17	0.50	19.67	<=30	Pass
			Subtest 2	1712.4	19.43	0.50	19.93	<=30	Pass
			Subtest 3	1712.4	19.23	0.50	19.73	<=30	Pass
	Subtest 4		1712.4	18.17	0.50	18.67	<=30	Pass	
	Subtest 5		1712.4	18.51	0.50	19.01	<=30	Pass	
	Subtest 1		1732.6	18.70	0.50	19.20	<=30	Pass	
	Subtest 2		1732.6	19.32	0.50	19.82	<=30	Pass	
	Subtest 3		1732.6	19.64	0.50	20.14	<=30	Pass	
	Subtest 4		1732.6	18.41	0.50	18.91	<=30	Pass	
	Subtest 5		1732.6	18.45	0.50	18.95	<=30	Pass	
	Subtest 1		1752.6	18.66	0.50	19.16	<=30	Pass	
	Subtest 2		1752.6	19.20	0.50	19.70	<=30	Pass	
	Subtest 3		1752.6	19.61	0.50	20.11	<=30	Pass	
Subtest 4	1752.6	18.43	0.50	18.93	<=30	Pass			
Subtest 5	1752.6	18.74	0.50	19.24	<=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 (VAC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
					Result	Limit	
RMC	1712.4	20	102	21.014	0.0123	-2.5 to 2.5	Pass
			120	21.229	0.0124	-2.5 to 2.5	Pass
			138	21.451	0.0125	-2.5 to 2.5	Pass
		-30	120	22.337	0.0130	-2.5 to 2.5	Pass
		-20	120	21.372	0.0125	-2.5 to 2.5	Pass
		-10	120	21.272	0.0124	-2.5 to 2.5	Pass
		0	120	22.280	0.0130	-2.5 to 2.5	Pass
		10	120	22.323	0.0130	-2.5 to 2.5	Pass
		30	120	22.888	0.0134	-2.5 to 2.5	Pass
		40	120	22.888	0.0134	-2.5 to 2.5	Pass
		50	120	21.951	0.0128	-2.5 to 2.5	Pass
	1732.6	20	102	-1.180	-0.0007	-2.5 to 2.5	Pass
			120	-1.287	-0.0007	-2.5 to 2.5	Pass
			138	-2.367	-0.0014	-2.5 to 2.5	Pass
		-30	120	-1.209	-0.0007	-2.5 to 2.5	Pass
		-20	120	-1.945	-0.0011	-2.5 to 2.5	Pass
		-10	120	-0.787	-0.0005	-2.5 to 2.5	Pass
		0	120	-0.808	-0.0005	-2.5 to 2.5	Pass
		10	120	-0.615	-0.0004	-2.5 to 2.5	Pass
		30	120	-0.873	-0.0005	-2.5 to 2.5	Pass
		40	120	-0.794	-0.0005	-2.5 to 2.5	Pass
		50	120	-1.624	-0.0009	-2.5 to 2.5	Pass
	1752.6	20	102	-24.333	-0.0139	-2.5 to 2.5	Pass
			120	-23.396	-0.0133	-2.5 to 2.5	Pass
			138	-24.433	-0.0139	-2.5 to 2.5	Pass
		-30	120	-22.759	-0.0130	-2.5 to 2.5	Pass
		-20	120	-24.219	-0.0138	-2.5 to 2.5	Pass
		-10	120	-25.020	-0.0143	-2.5 to 2.5	Pass
		0	120	-24.483	-0.0140	-2.5 to 2.5	Pass
		10	120	-23.024	-0.0131	-2.5 to 2.5	Pass
		30	120	-24.912	-0.0142	-2.5 to 2.5	Pass
		40	120	-24.347	-0.0139	-2.5 to 2.5	Pass
		50	120	-24.383	-0.0139	-2.5 to 2.5	Pass
HSDPA	1712.4	20	102	17.545	0.0102	-2.5 to 2.5	Pass
			120	17.974	0.0105	-2.5 to 2.5	Pass
			138	17.867	0.0104	-2.5 to 2.5	Pass
		-30	120	18.024	0.0105	-2.5 to 2.5	Pass
		-20	120	17.817	0.0104	-2.5 to 2.5	Pass
		-10	120	19.104	0.0112	-2.5 to 2.5	Pass
		0	120	17.710	0.0103	-2.5 to 2.5	Pass
		10	120	18.024	0.0105	-2.5 to 2.5	Pass
		30	120	17.366	0.0101	-2.5 to 2.5	Pass
		40	120	17.831	0.0104	-2.5 to 2.5	Pass
		50	120	17.674	0.0103	-2.5 to 2.5	Pass
	1732.6	20	102	-0.300	-0.0002	-2.5 to 2.5	Pass
			120	-1.001	-0.0006	-2.5 to 2.5	Pass
			138	-0.401	-0.0002	-2.5 to 2.5	Pass
		-30	120	-1.137	-0.0007	-2.5 to 2.5	Pass
		-20	120	0.021	0.0000	-2.5 to 2.5	Pass

		-10	120	-0.293	-0.0002	-2.5 to 2.5	Pass
		0	120	-1.581	-0.0009	-2.5 to 2.5	Pass
		10	120	-0.350	-0.0002	-2.5 to 2.5	Pass
		30	120	-0.815	-0.0005	-2.5 to 2.5	Pass
		40	120	-0.086	0.0000	-2.5 to 2.5	Pass
		50	120	-0.129	-0.0001	-2.5 to 2.5	Pass
	1752.6	20	102	-26.143	-0.0149	-2.5 to 2.5	Pass
			120	-26.121	-0.0149	-2.5 to 2.5	Pass
			138	-26.493	-0.0151	-2.5 to 2.5	Pass
		-30	120	-27.366	-0.0156	-2.5 to 2.5	Pass
		-20	120	-27.316	-0.0156	-2.5 to 2.5	Pass
		-10	120	-25.935	-0.0148	-2.5 to 2.5	Pass
		0	120	-26.608	-0.0152	-2.5 to 2.5	Pass
		10	120	-27.173	-0.0155	-2.5 to 2.5	Pass
		30	120	-26.743	-0.0153	-2.5 to 2.5	Pass
		40	120	-27.044	-0.0154	-2.5 to 2.5	Pass
		50	120	-27.559	-0.0157	-2.5 to 2.5	Pass
HSUPA	1712.4	20	102	24.784	0.0145	-2.5 to 2.5	Pass
			120	24.920	0.0146	-2.5 to 2.5	Pass
			138	25.764	0.0150	-2.5 to 2.5	Pass
		-30	120	25.198	0.0147	-2.5 to 2.5	Pass
		-20	120	24.812	0.0145	-2.5 to 2.5	Pass
		-10	120	25.671	0.0150	-2.5 to 2.5	Pass
		0	120	24.455	0.0143	-2.5 to 2.5	Pass
		10	120	26.064	0.0152	-2.5 to 2.5	Pass
		30	120	26.965	0.0157	-2.5 to 2.5	Pass
		40	120	26.214	0.0153	-2.5 to 2.5	Pass
		50	120	25.642	0.0150	-2.5 to 2.5	Pass
	1732.6	20	102	-2.668	-0.0015	-2.5 to 2.5	Pass
			120	-2.782	-0.0016	-2.5 to 2.5	Pass
			138	-3.026	-0.0017	-2.5 to 2.5	Pass
		-30	120	-3.355	-0.0019	-2.5 to 2.5	Pass
		-20	120	-1.767	-0.0010	-2.5 to 2.5	Pass
		-10	120	-3.691	-0.0021	-2.5 to 2.5	Pass
		0	120	-2.282	-0.0013	-2.5 to 2.5	Pass
		10	120	-2.654	-0.0015	-2.5 to 2.5	Pass
		30	120	-3.061	-0.0018	-2.5 to 2.5	Pass
		40	120	-3.097	-0.0018	-2.5 to 2.5	Pass
		50	120	-2.317	-0.0013	-2.5 to 2.5	Pass
	1752.6	20	102	-21.386	-0.0122	-2.5 to 2.5	Pass
			120	-21.594	-0.0123	-2.5 to 2.5	Pass
			138	-21.071	-0.0120	-2.5 to 2.5	Pass
		-30	120	-19.534	-0.0111	-2.5 to 2.5	Pass
		-20	120	-20.549	-0.0117	-2.5 to 2.5	Pass
		-10	120	-20.492	-0.0117	-2.5 to 2.5	Pass
		0	120	-20.900	-0.0119	-2.5 to 2.5	Pass
		10	120	-21.436	-0.0122	-2.5 to 2.5	Pass
		30	120	-20.764	-0.0118	-2.5 to 2.5	Pass
		40	120	-21.551	-0.0123	-2.5 to 2.5	Pass
		50	120	-22.008	-0.0126	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

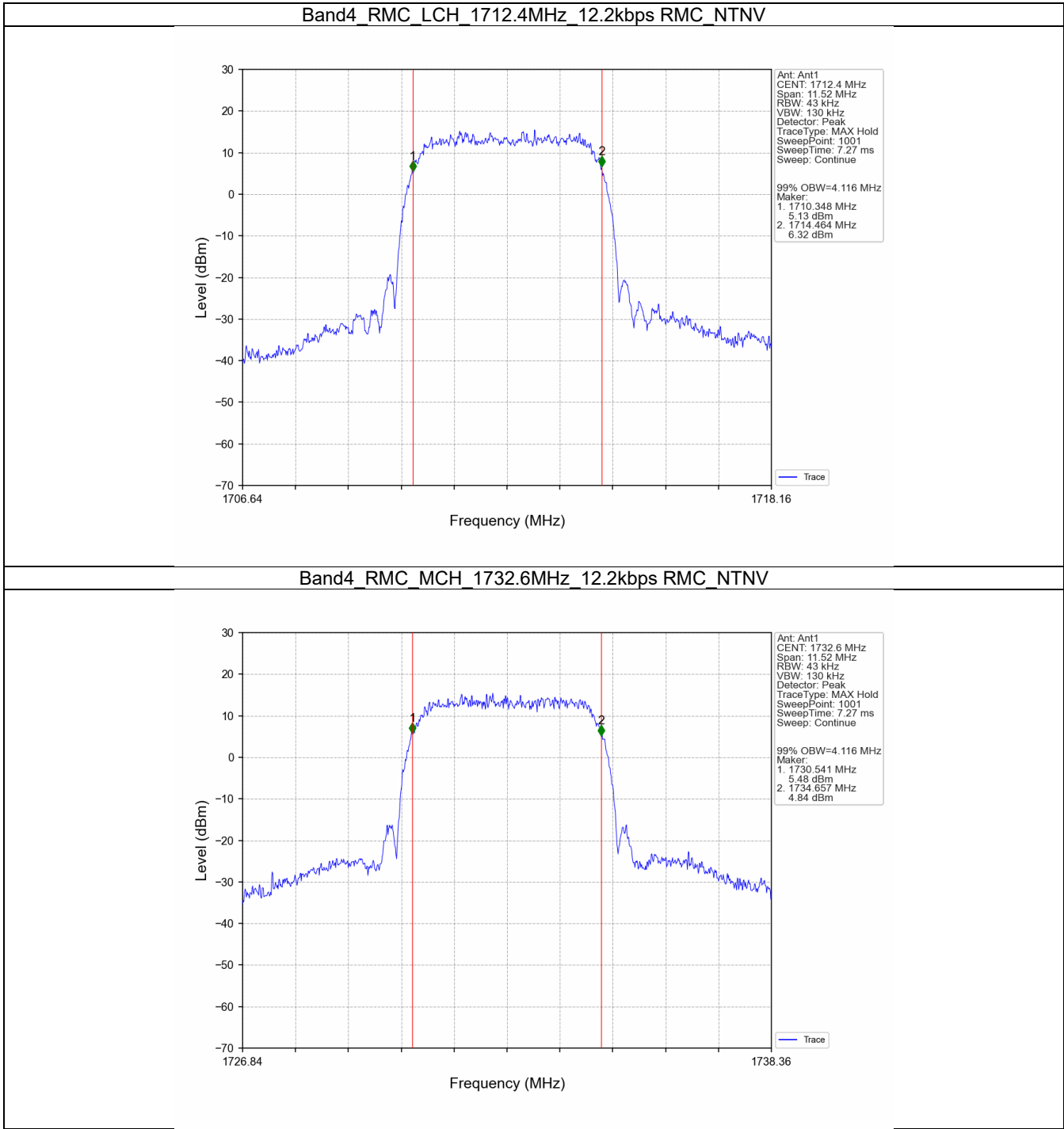
Band: 4						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.116	/	Pass
			1732.6	4.116	/	Pass
			1752.6	4.133	/	Pass
	HSDPA	Subtest 1	1712.4	4.147	/	Pass
			1732.6	4.154	/	Pass
			1752.6	4.134	/	Pass
	HSUPA	Subtest 1	1712.4	4.150	/	Pass
			1732.6	4.127	/	Pass
			1752.6	4.151	/	Pass

3.1.2 Band4_XDB

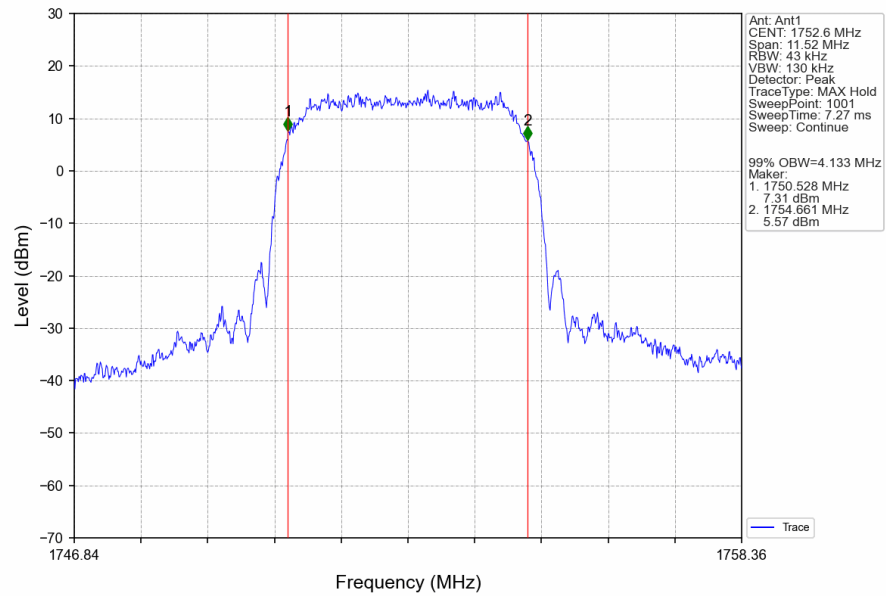
Band: 4						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.698	/	Pass
			1732.6	4.674	/	Pass
			1752.6	4.674	/	Pass
	HSDPA	Subtest 1	1712.4	4.660	/	Pass
			1732.6	5.195	/	Pass
			1752.6	4.652	/	Pass
	HSUPA	Subtest 1	1712.4	5.305	/	Pass
			1732.6	5.514	/	Pass
			1752.6	5.362	/	Pass

3.2 Test Graph

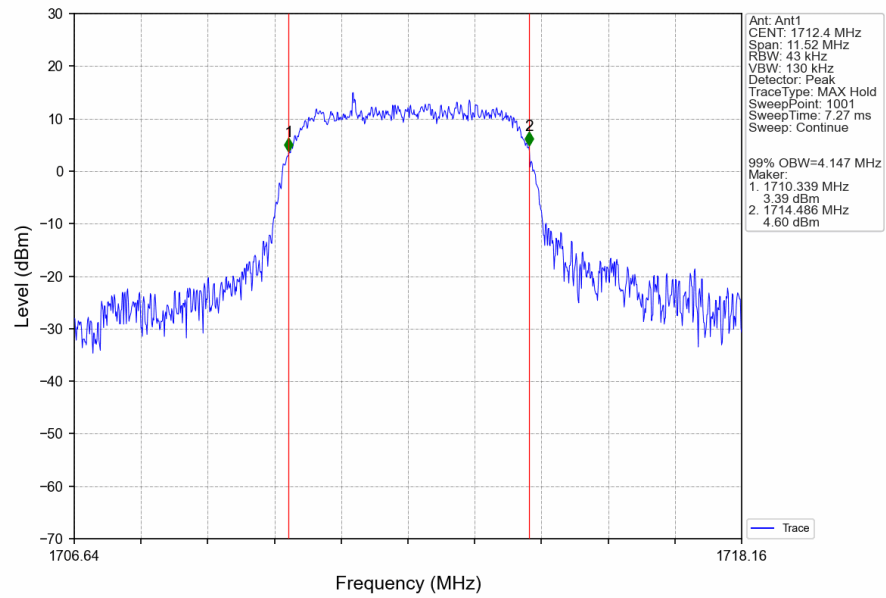
3.2.1 Band4_OBW



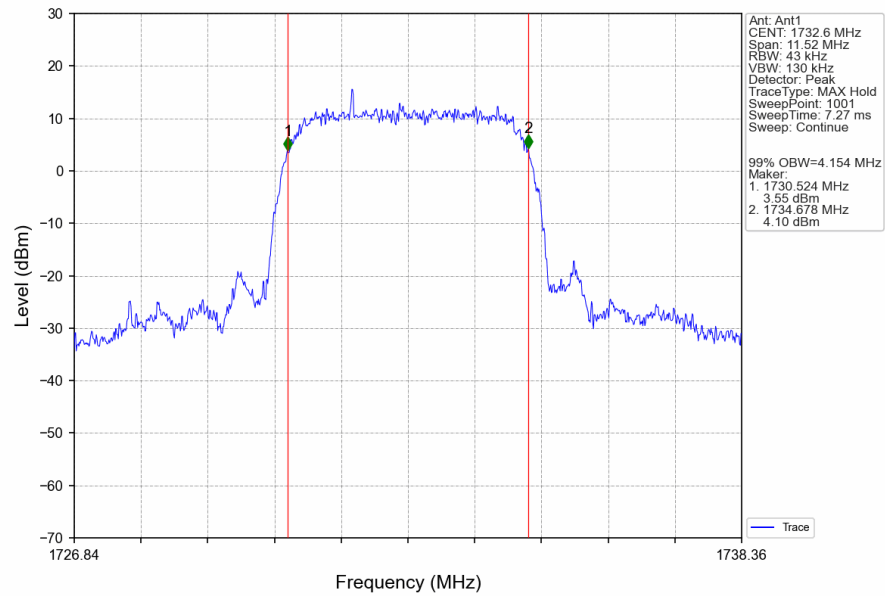
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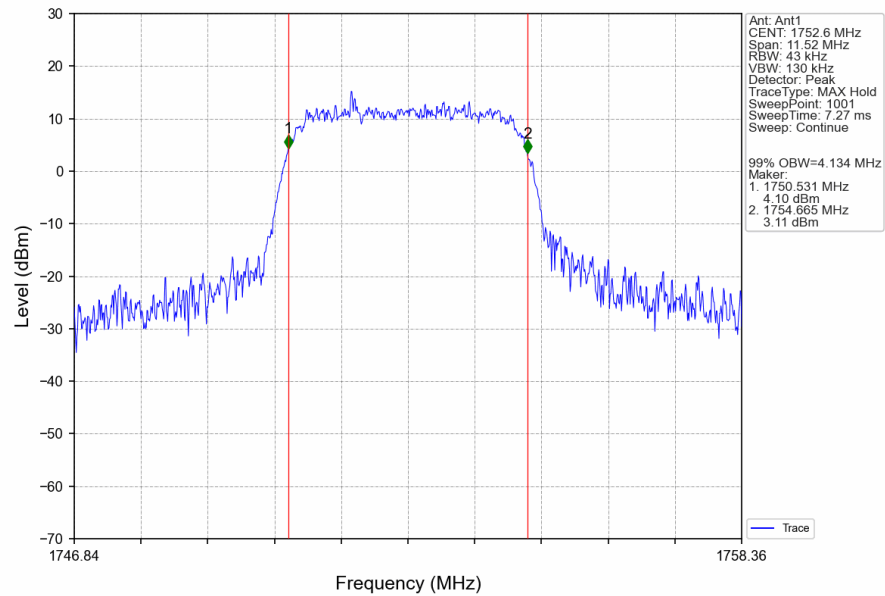
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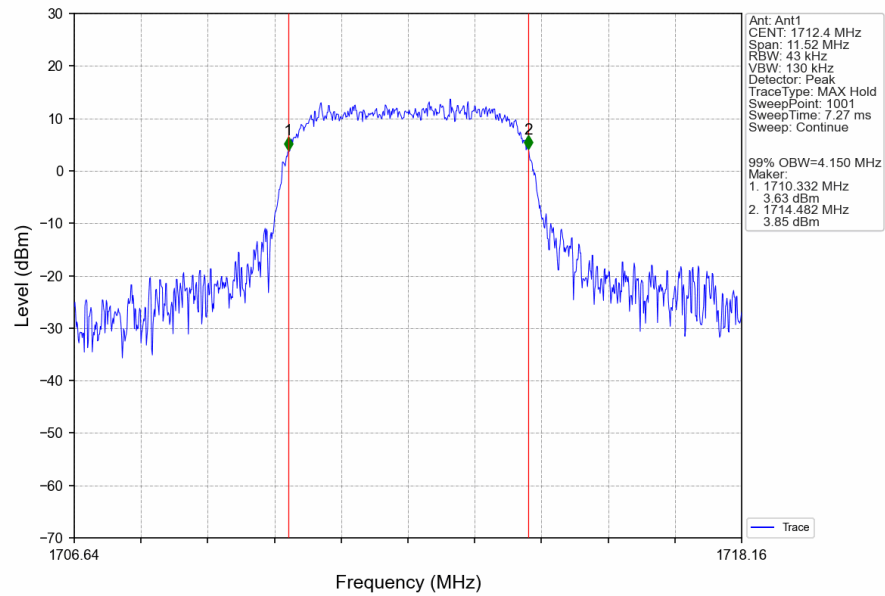
Band4_HSDPA_MCH_1732.6MHz_Subtest 1_NTNV



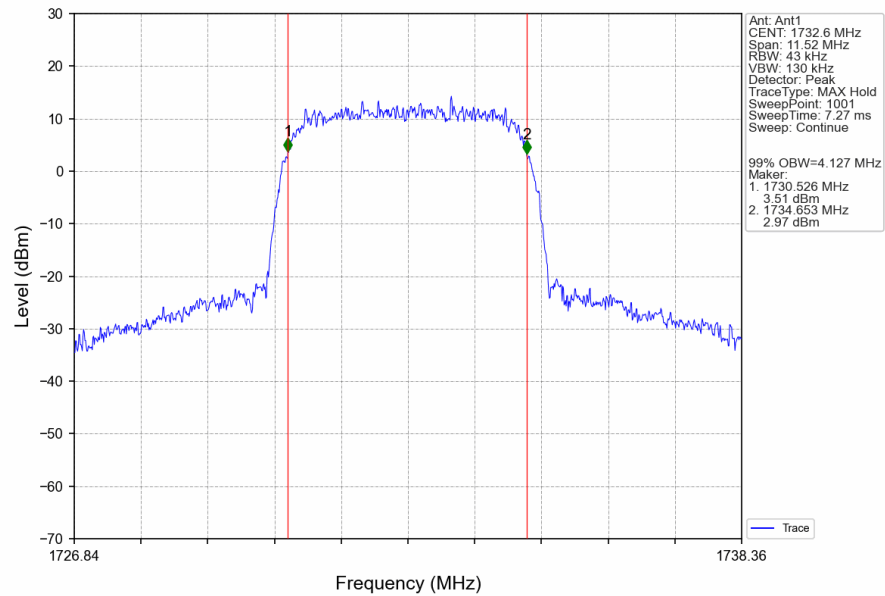
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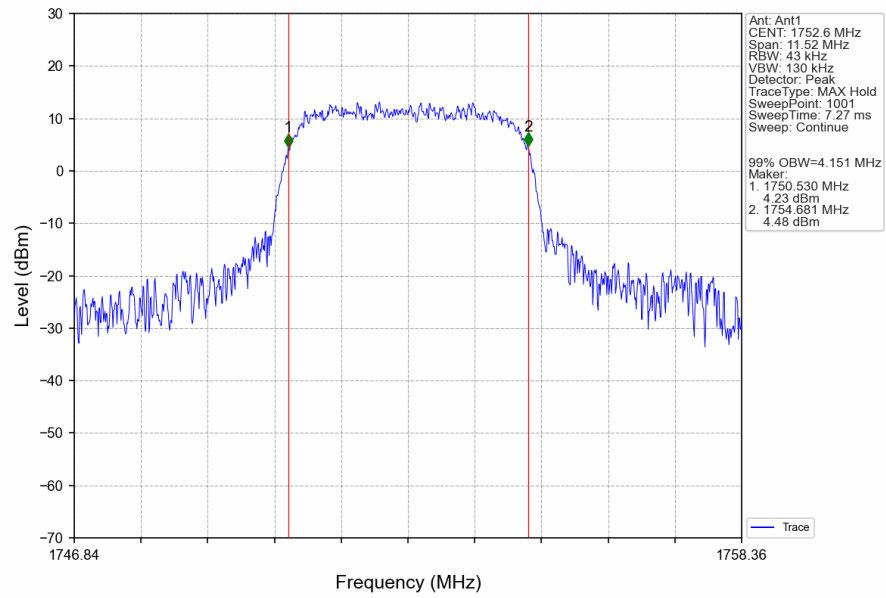
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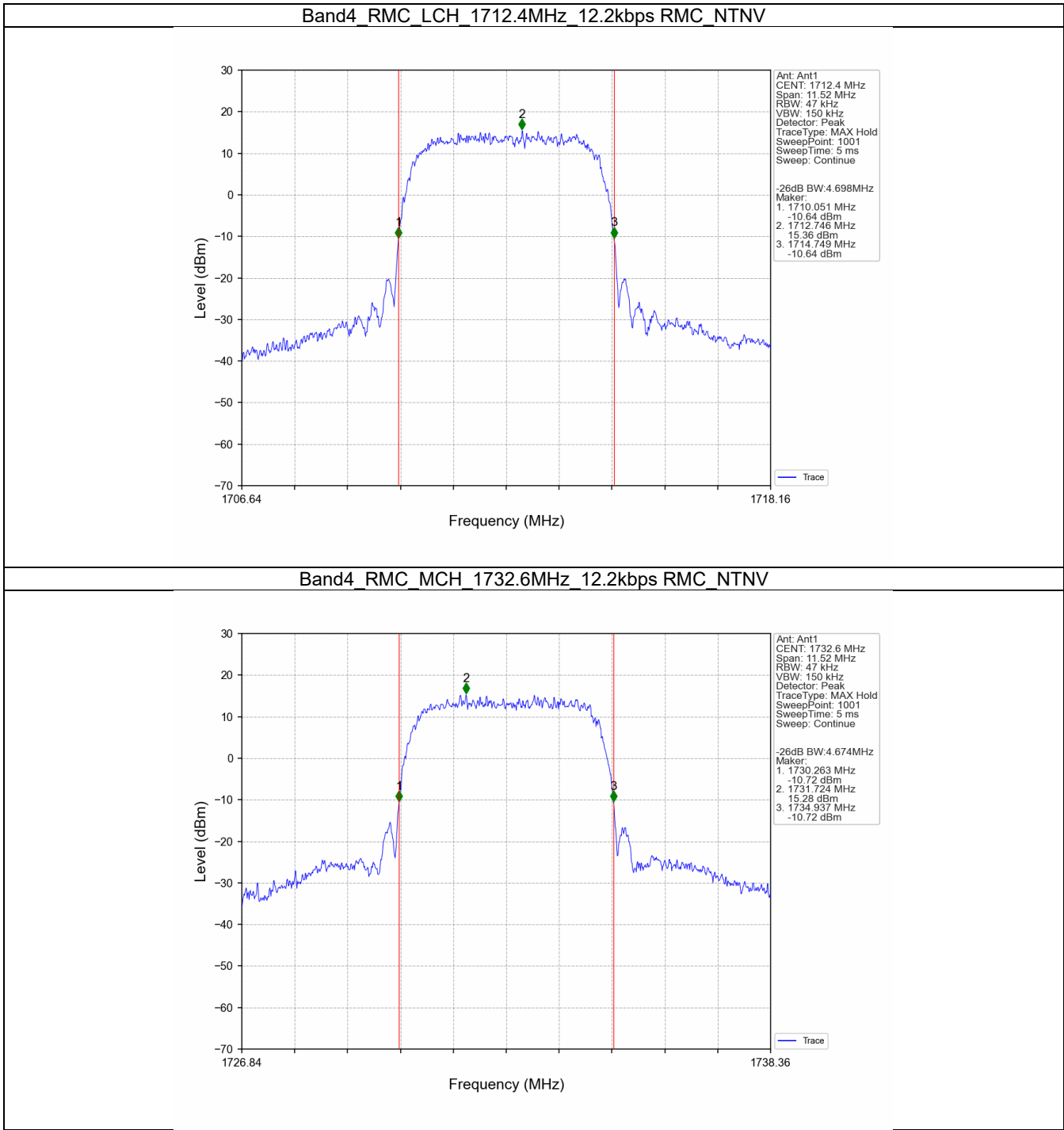
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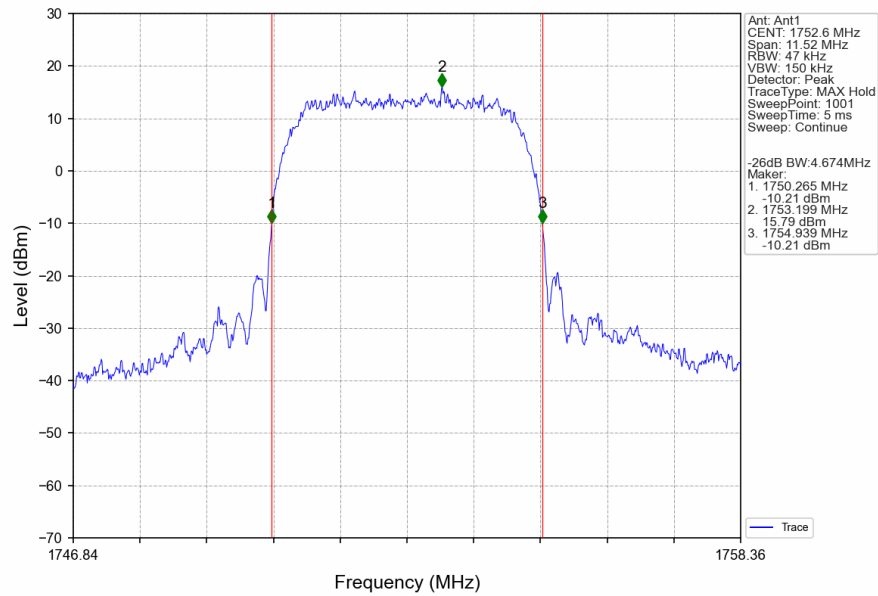
Band4 HSUPA HCH 1752.6MHz Subtest 1 NTNV



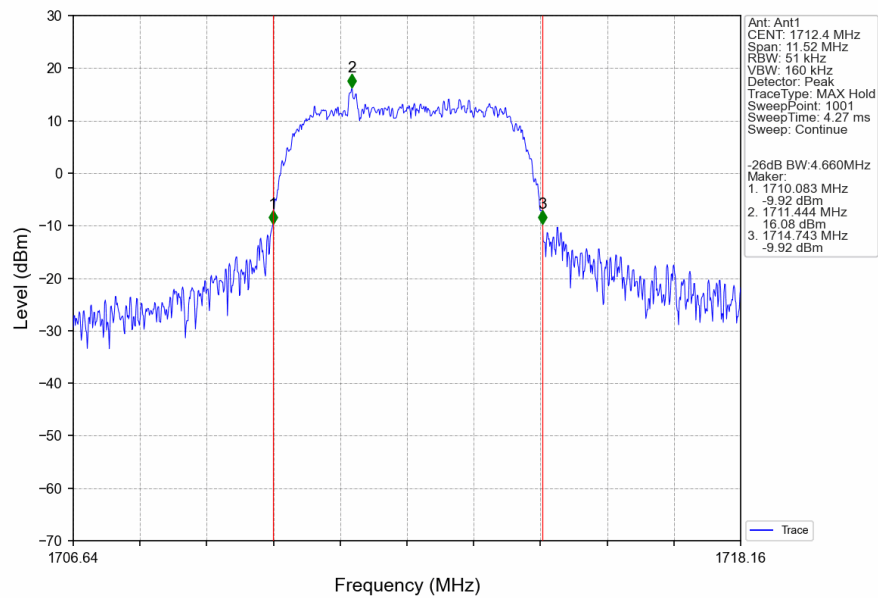
3.2.2 Band4_XDB



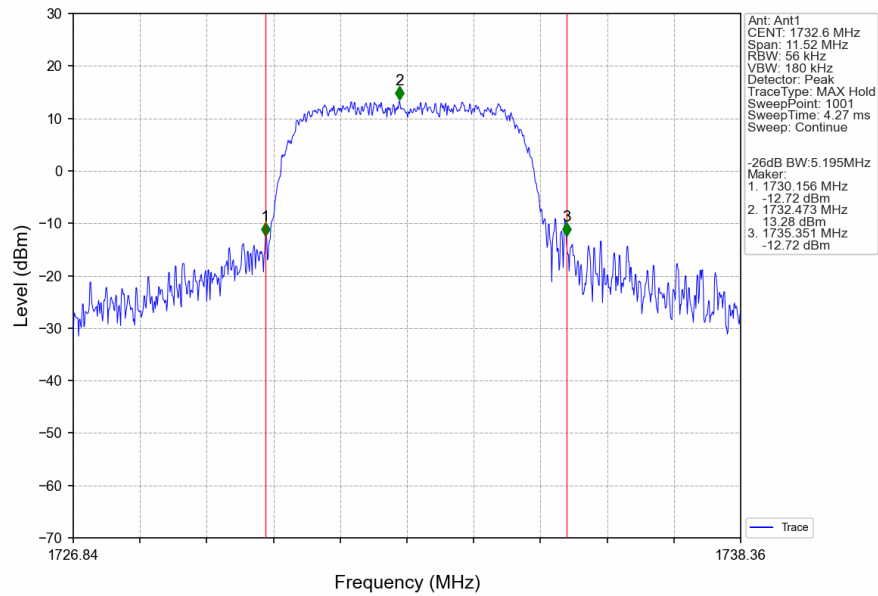
Band4_RMC_HCH_1752.6MHz_12.2kbps_RMC_NTNV



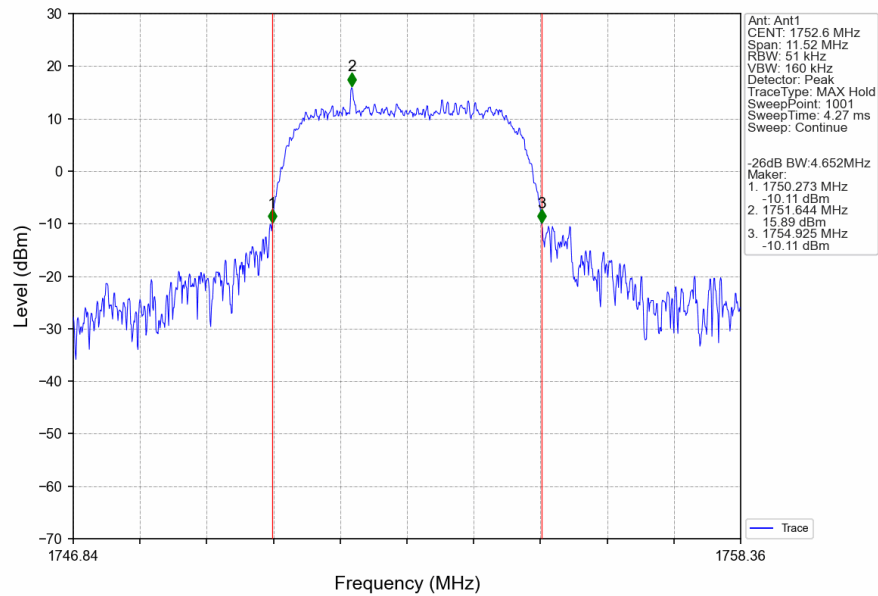
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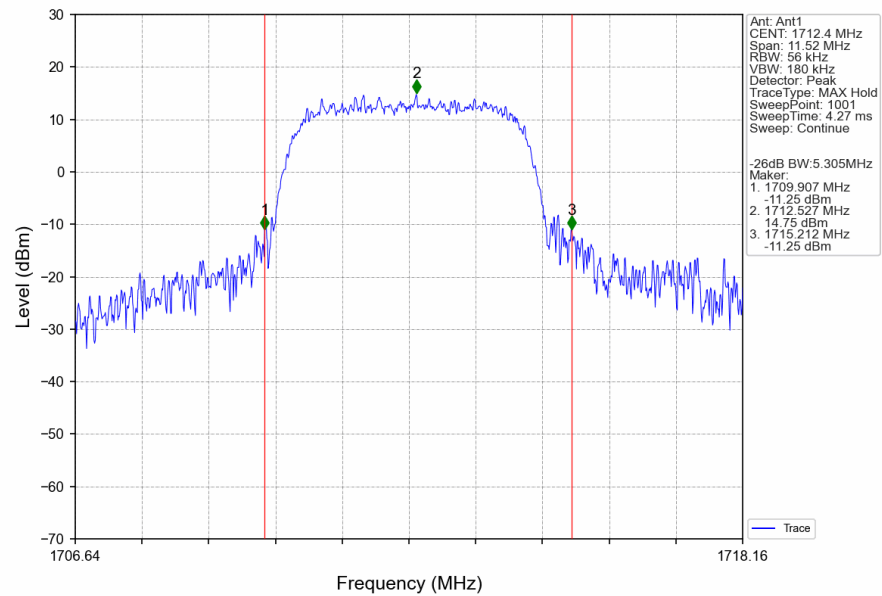
Band4_HSDPA_MCH_1732.6MHz_Subtest 1_NTNV



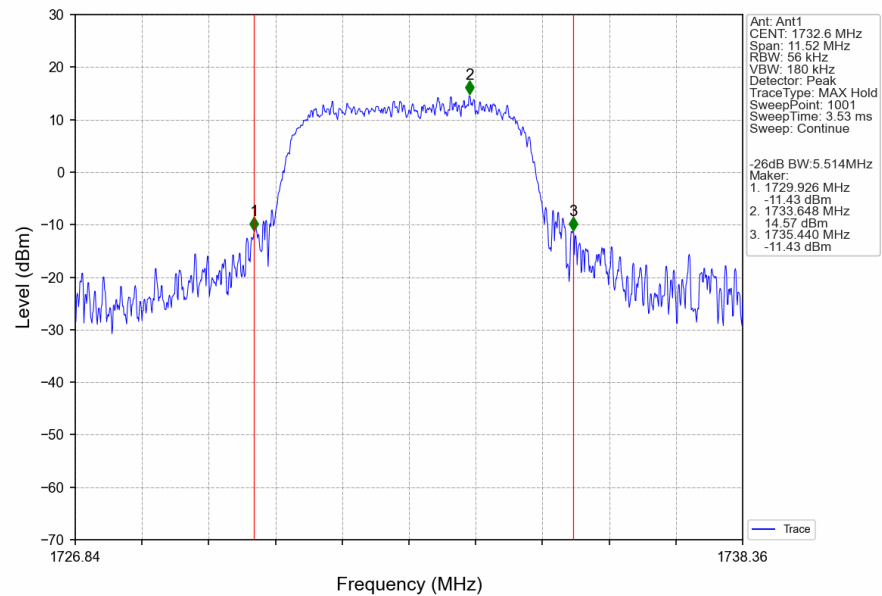
Band4_HSDPA_HCH_1752.6MHz_Subtest 1_NTNV



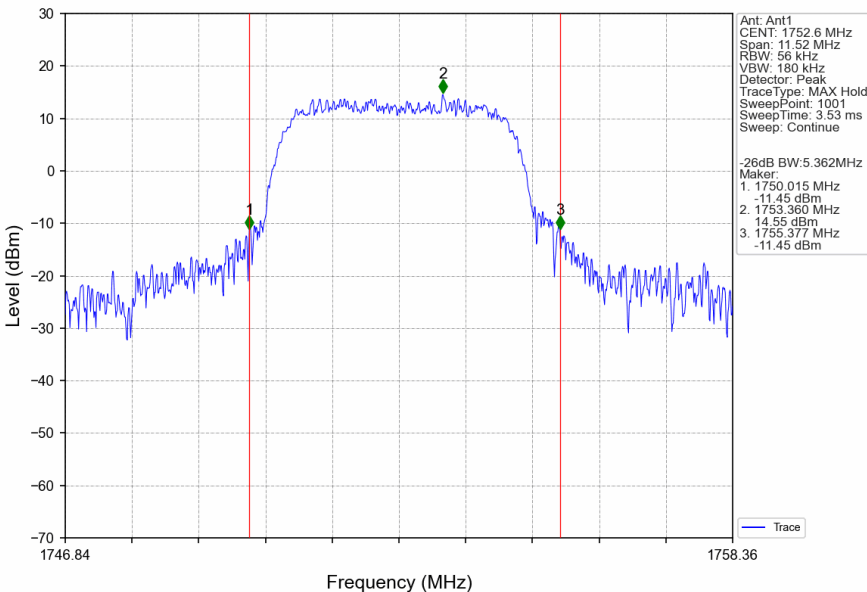
Band4 HSUPA LCH 1712.4MHz Subtest 1 NTN



Band4 HSUPA MCH 1732.6MHz Subtest 1 NTN



Band4 HSUPA HCH 1752.6MHz Subtest 1 NTN



4. Peak-Average Ratio

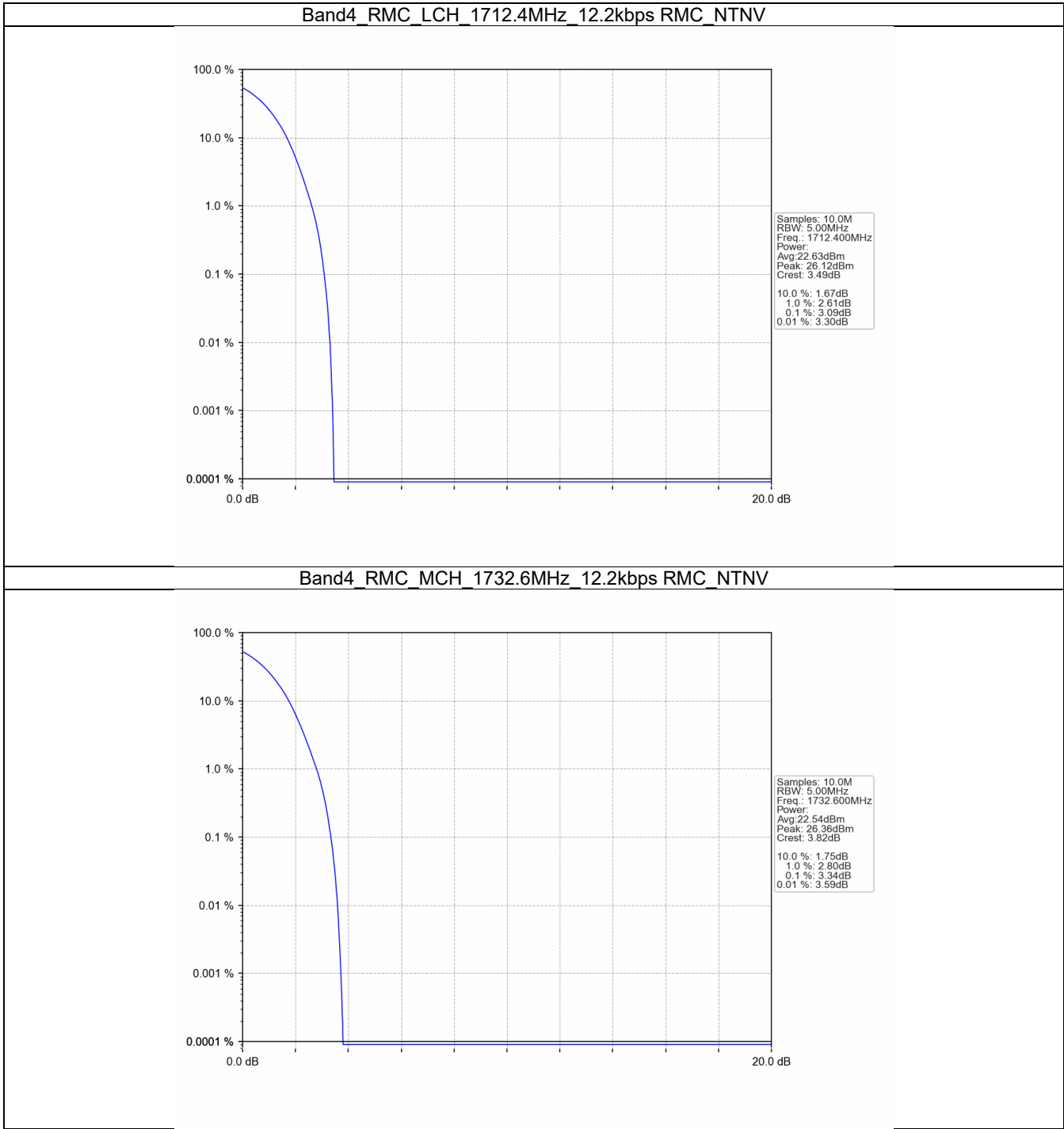
4.1 Test Result

4.1.1 Band4

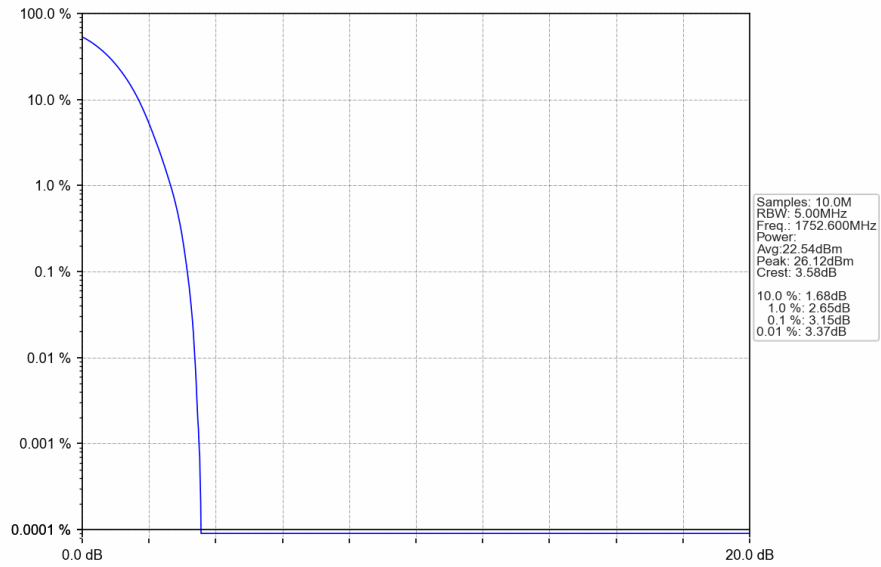
Band: 4						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	3.09	<=13	Pass
			1732.6	3.34	<=13	Pass
			1752.6	3.15	<=13	Pass
	HSDPA	Subtest 1	1712.4	5.61	<=13	Pass
			1732.6	5.66	<=13	Pass
			1752.6	5.56	<=13	Pass
	HSUPA	Subtest 1	1712.4	6.87	<=13	Pass
			1732.6	7.21	<=13	Pass
			1752.6	6.91	<=13	Pass

4.2 Test Graph

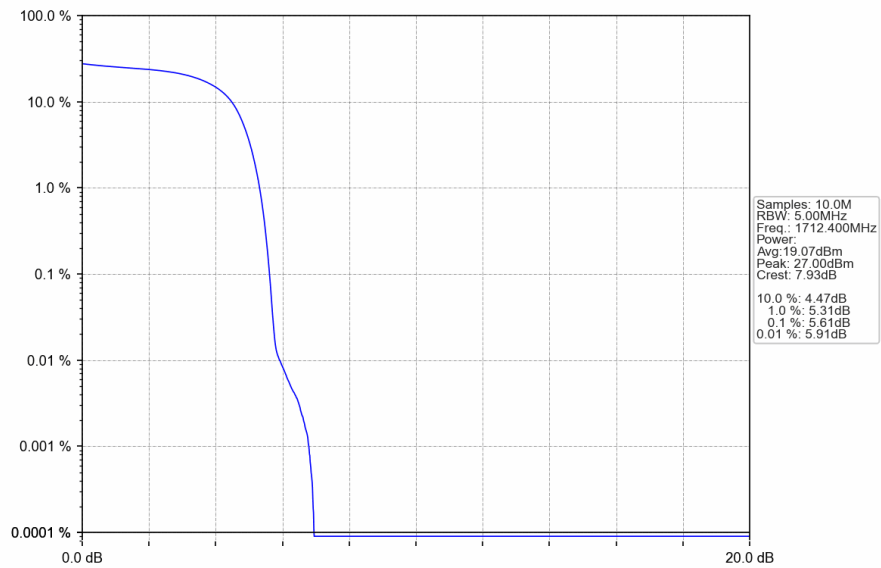
4.2.1 Band4



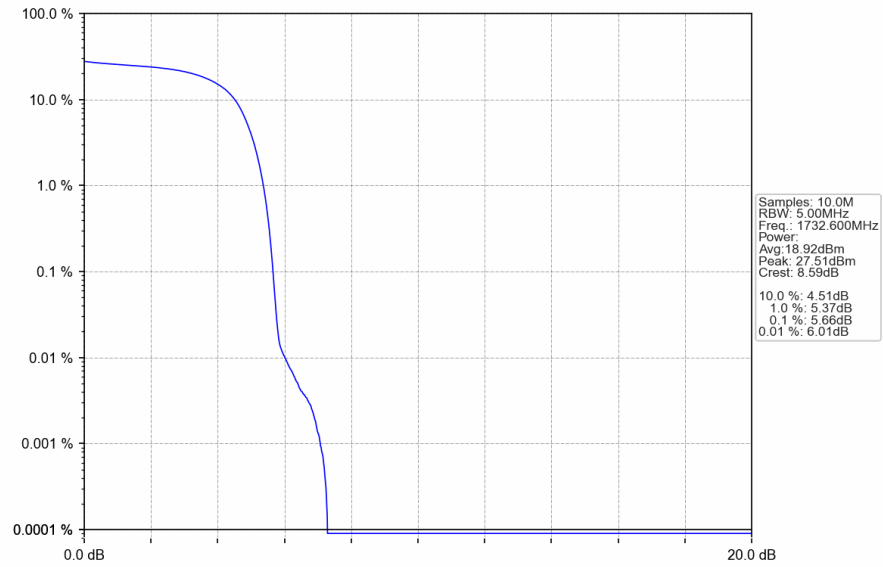
Band4 RMC HCH 1752.6MHz 12.2kbps RMC NTN



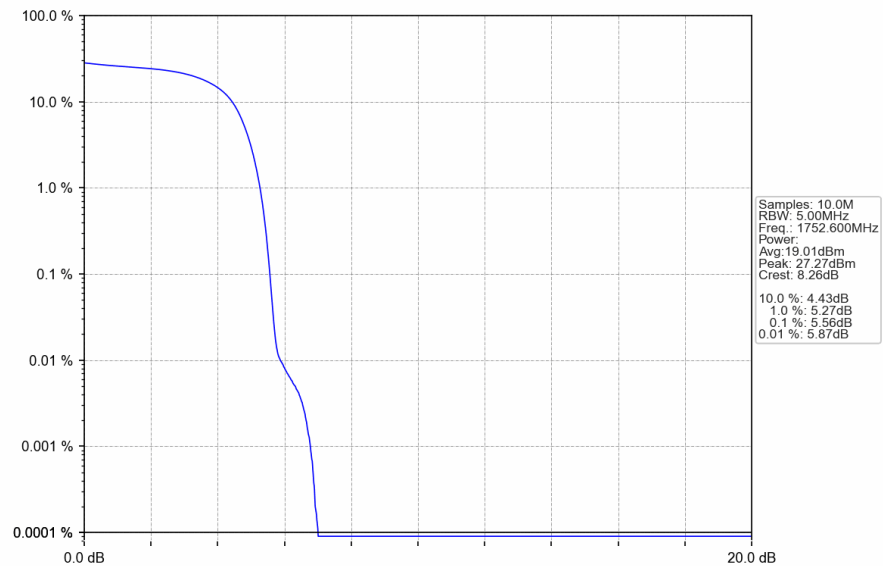
Band4_HSDPA_LCH_1712.4MHz_Subtest 1_NTN



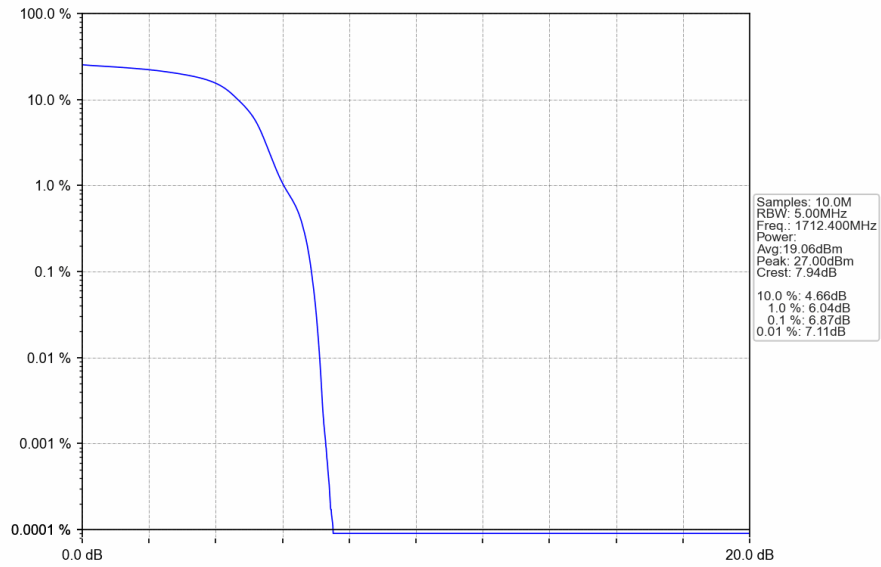
Band4 HSDPA MCH 1732.6MHz Subtest 1 NTNV



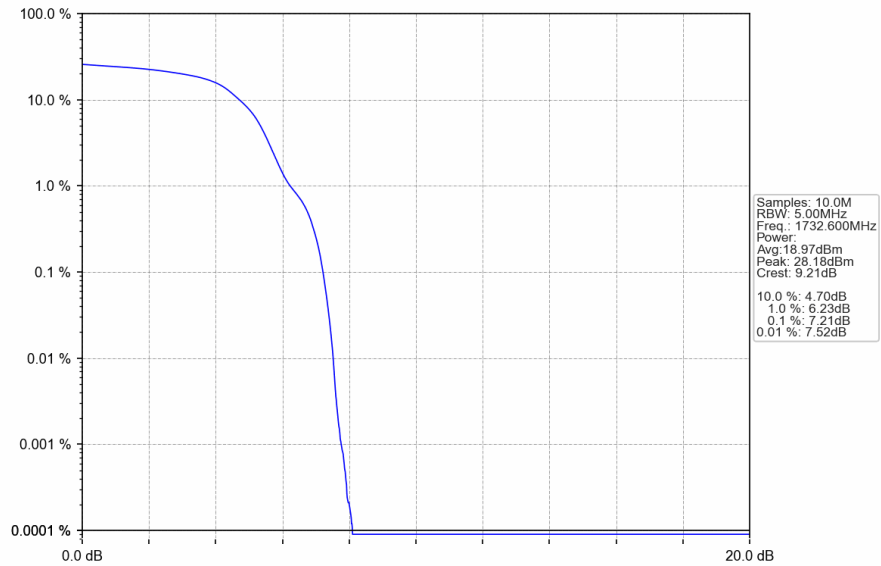
Band4 HSDPA HCH 1752.6MHz Subtest 1 NTNV



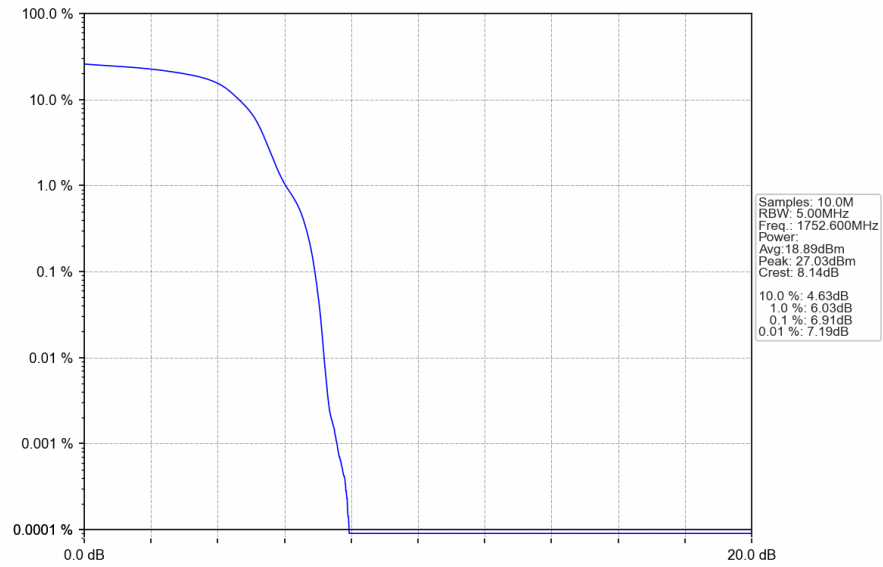
Band4 HSUPA LCH 1712.4MHz Subtest 1 NTN



Band4 HSUPA MCH 1732.6MHz Subtest 1 NTN



Band4 HSUPA HCH 1752.6MHz Subtest 1 NTN



5. Spurious Emission

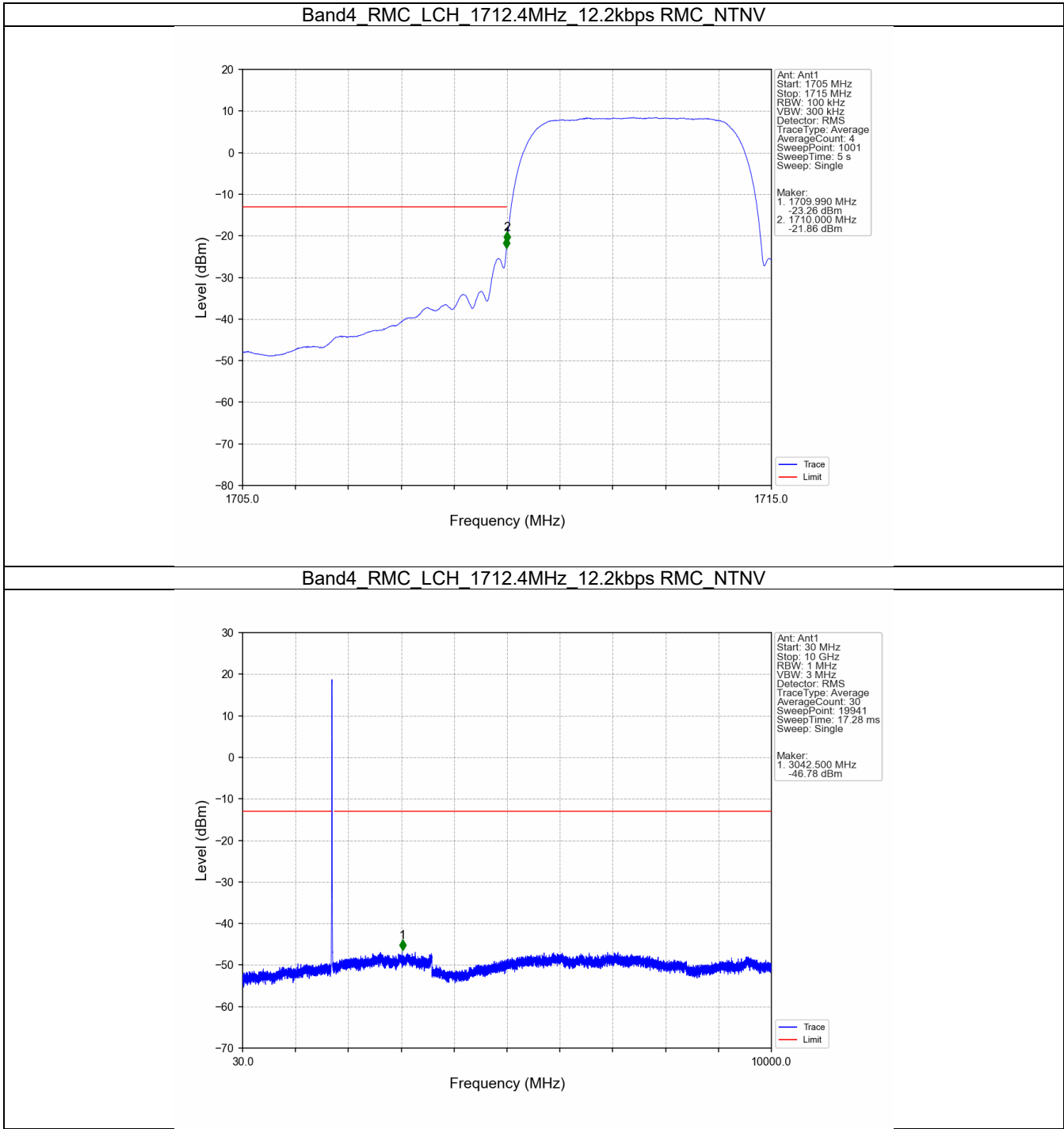
5.1 Test Result

5.1.1 Band4

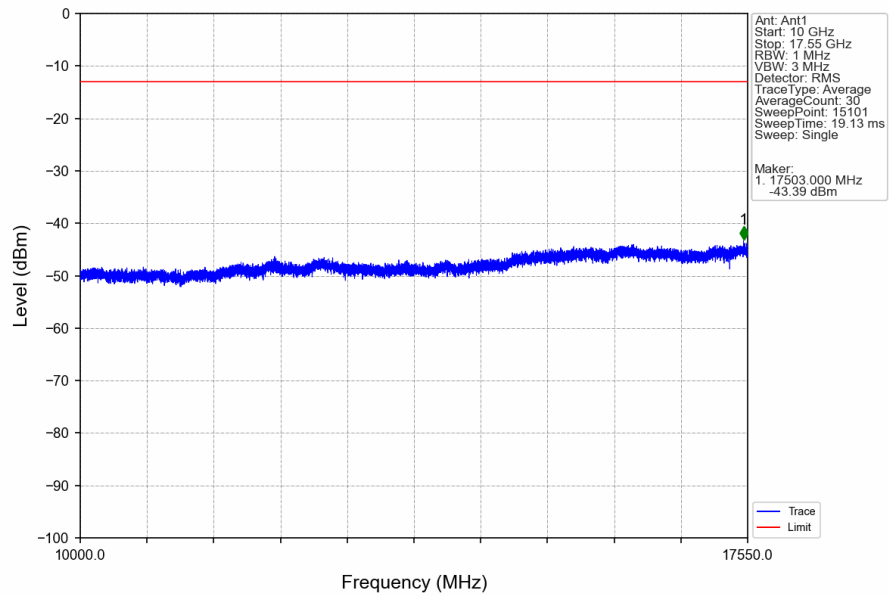
Band: 4						
ENV	Mode		Frequency (MHz)	Spurious Emission		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	Refer To Test Graph	Pass	
			1732.6	Refer To Test Graph	Pass	
			1752.6	Refer To Test Graph	Pass	
	HSDPA	Subtest 1	1712.4	Refer To Test Graph	Pass	
			1732.6	Refer To Test Graph	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

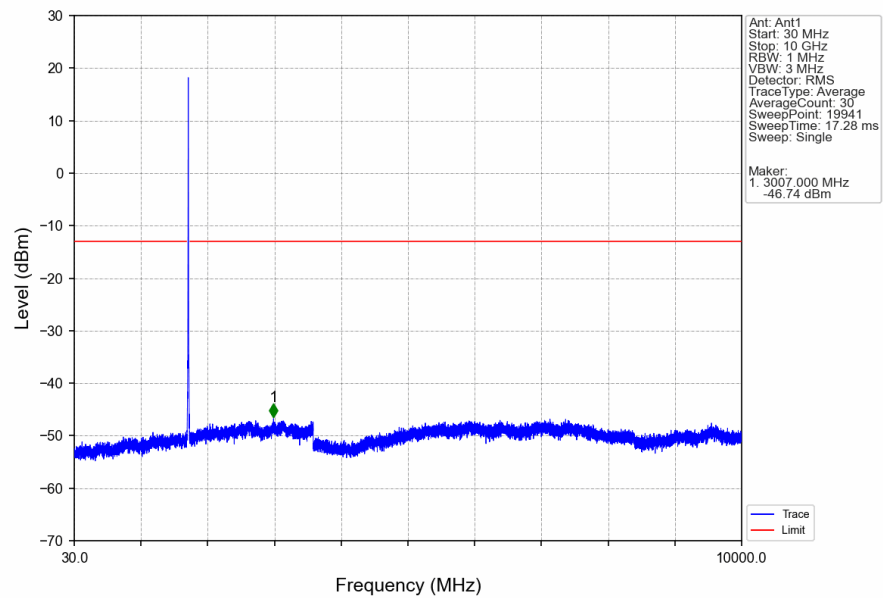
5.2.1 Band4



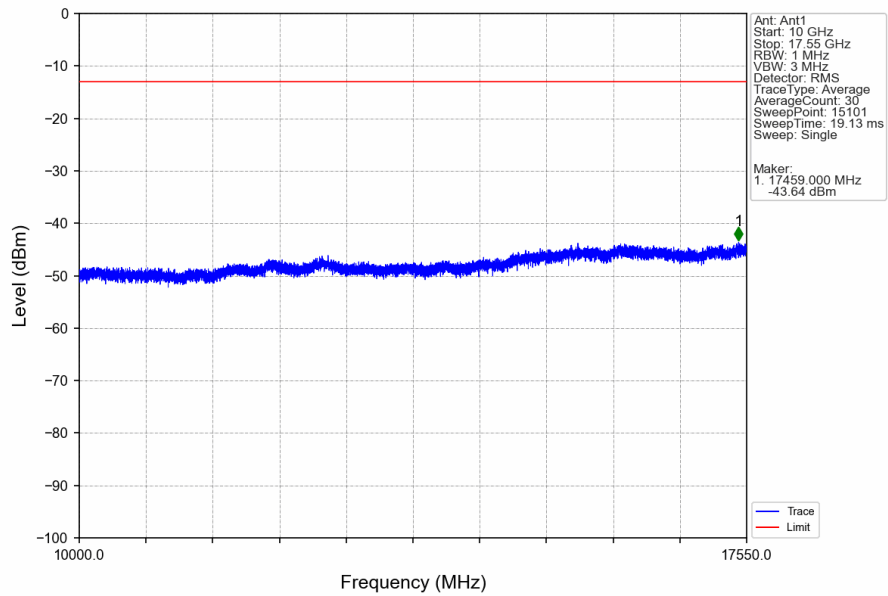
Band4_RMC_LCH_1712.4MHz_12.2kbps_RMC_NTNV



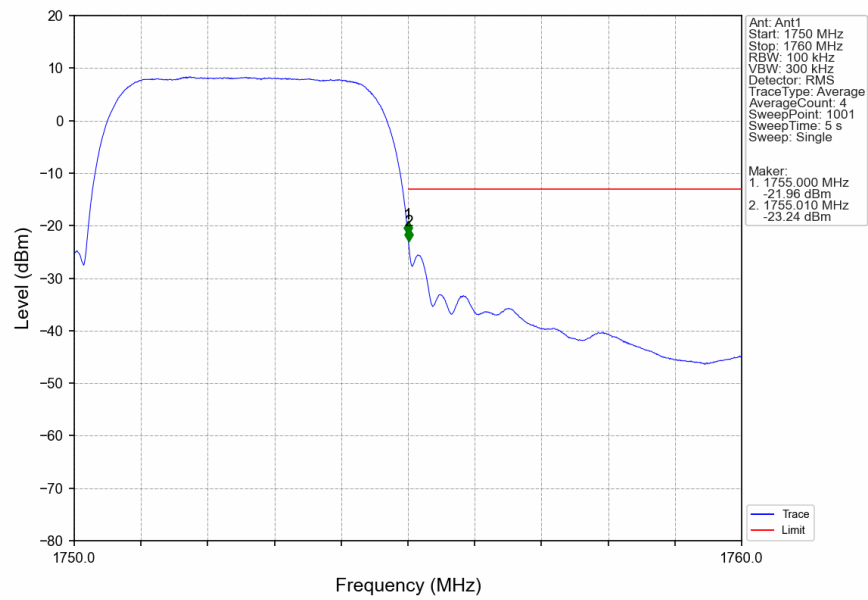
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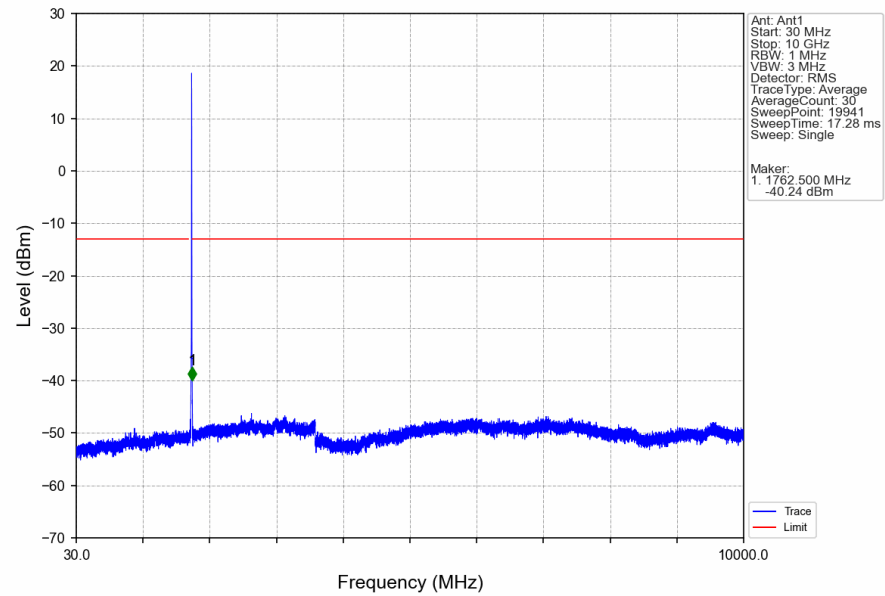
Band4_RMC_MCH_1732.6MHz_12.2kbps_RMC_NTNV



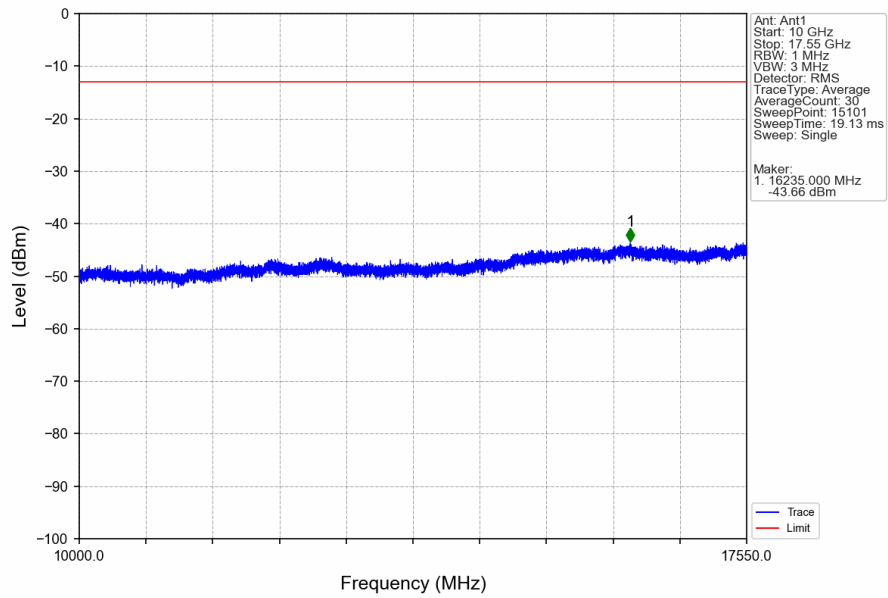
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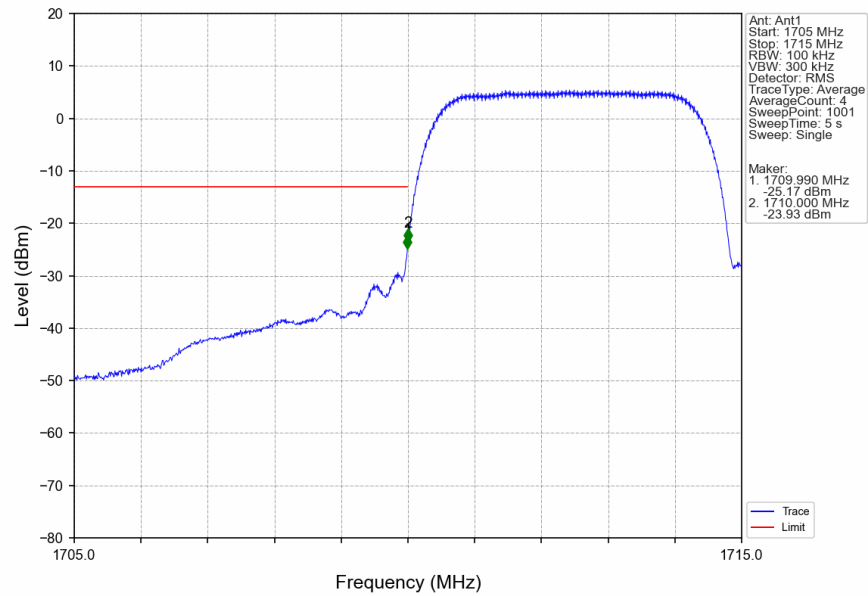
Band4_RMC_HCH_1752.6MHz_12.2kbps_RMC_NTNV



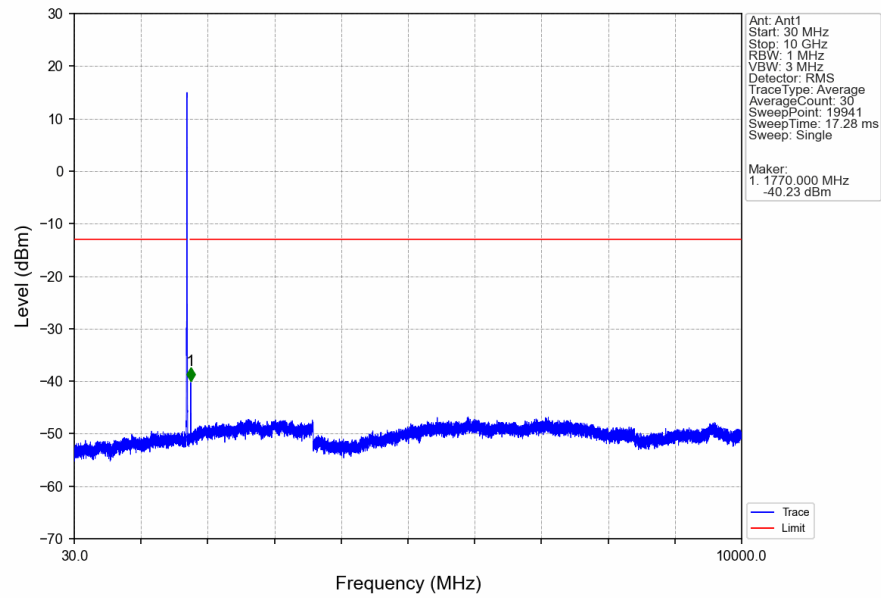
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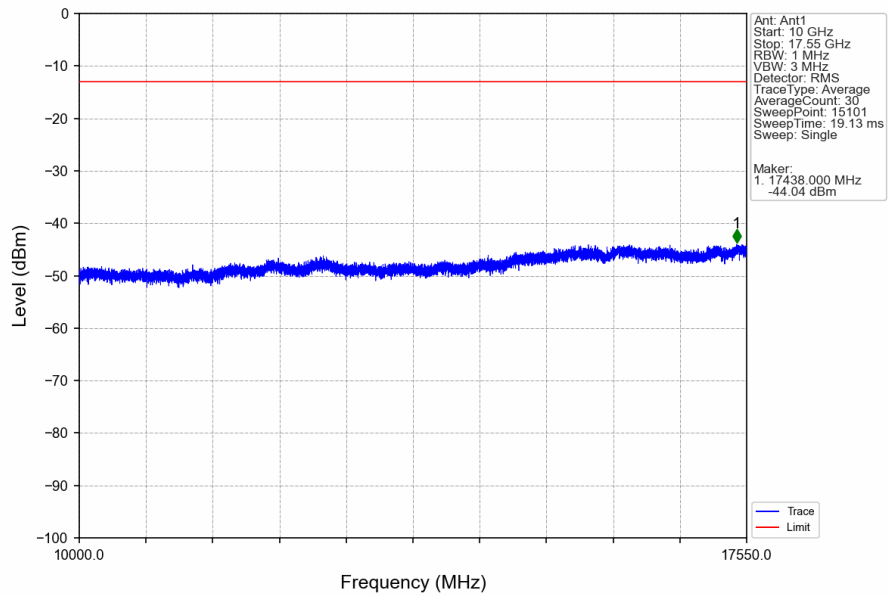
Band4 HSDPA LCH 1712.4MHz Subtest 1 NTN



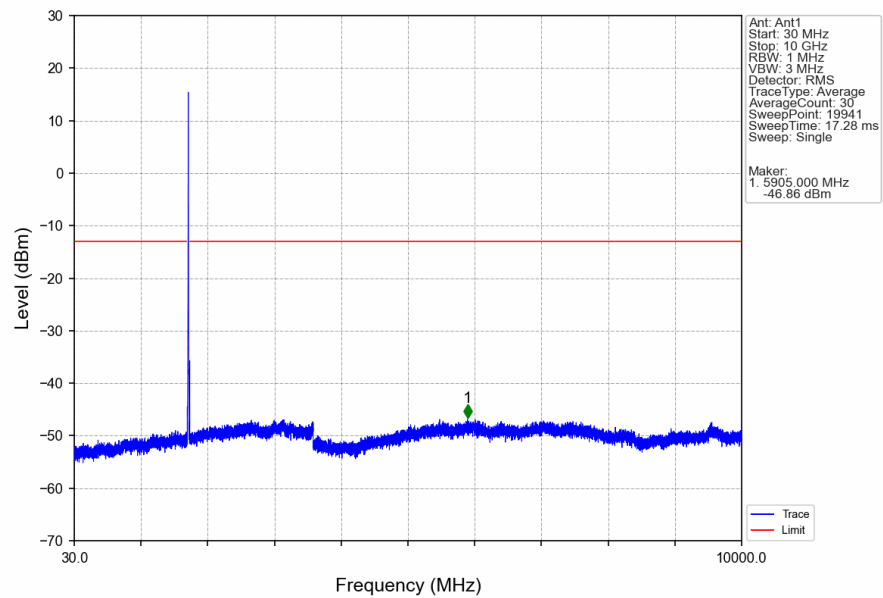
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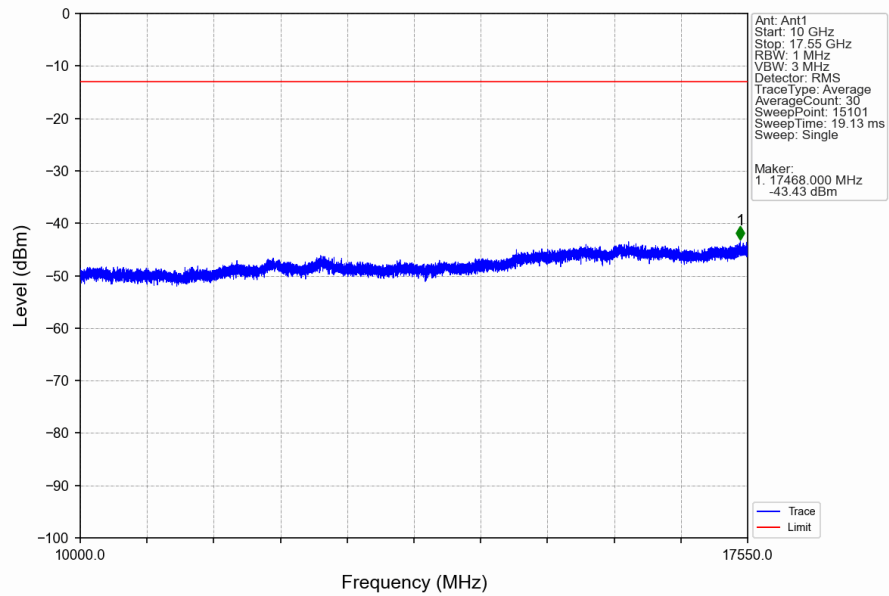
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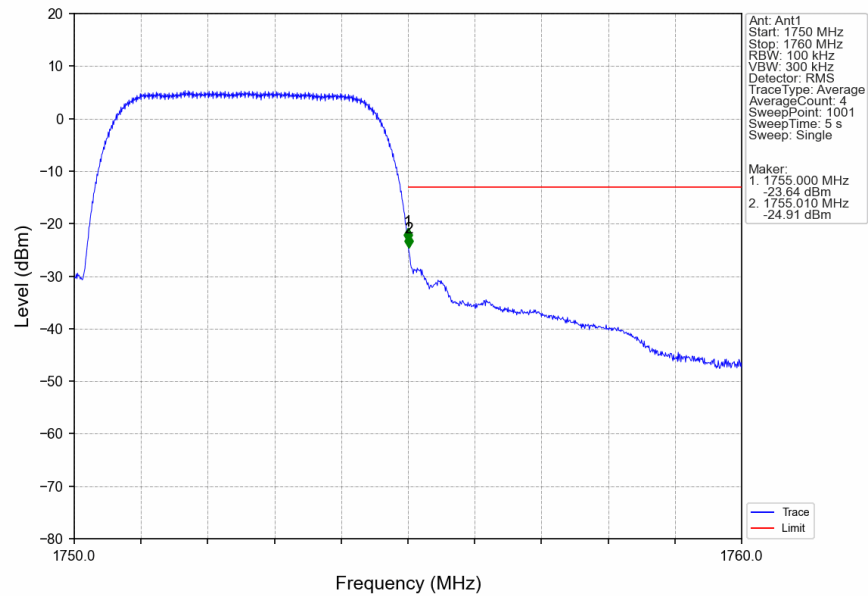
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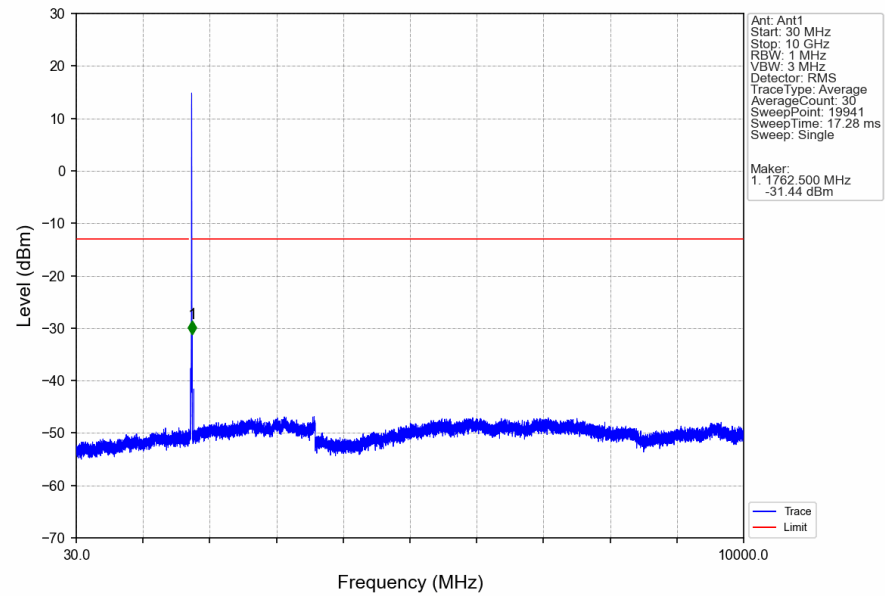
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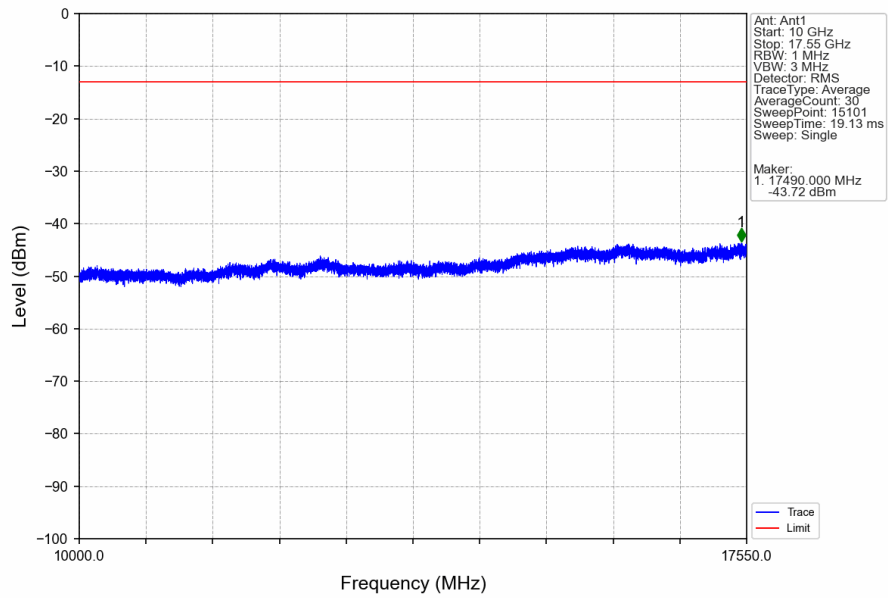
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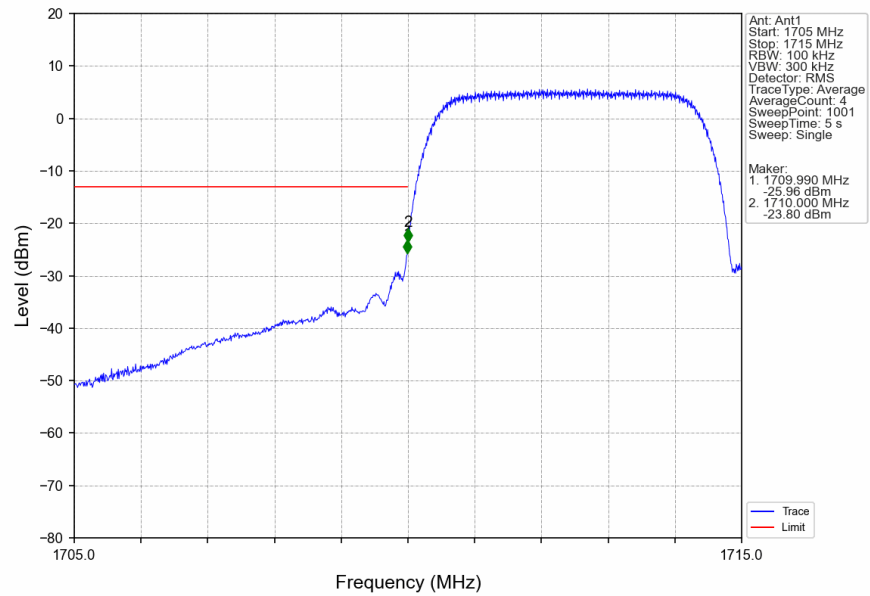
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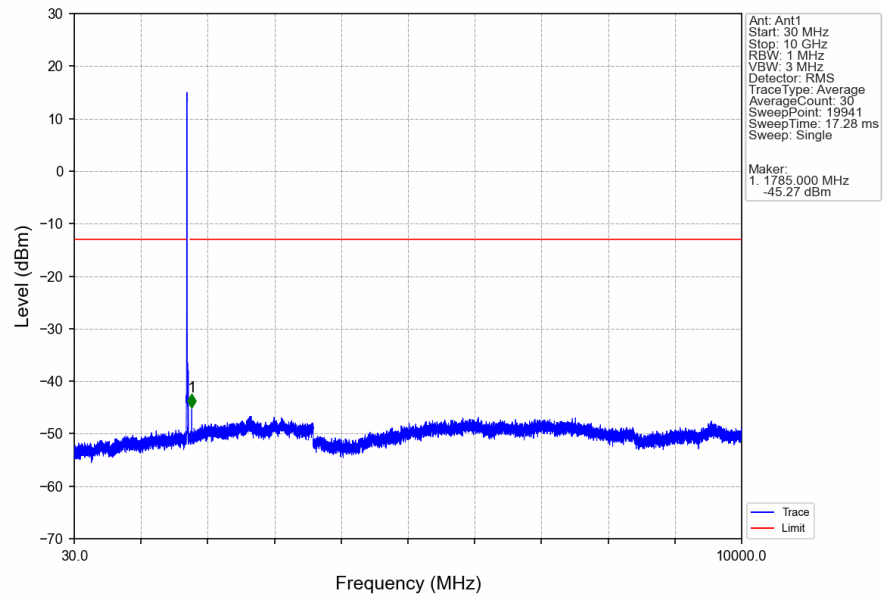
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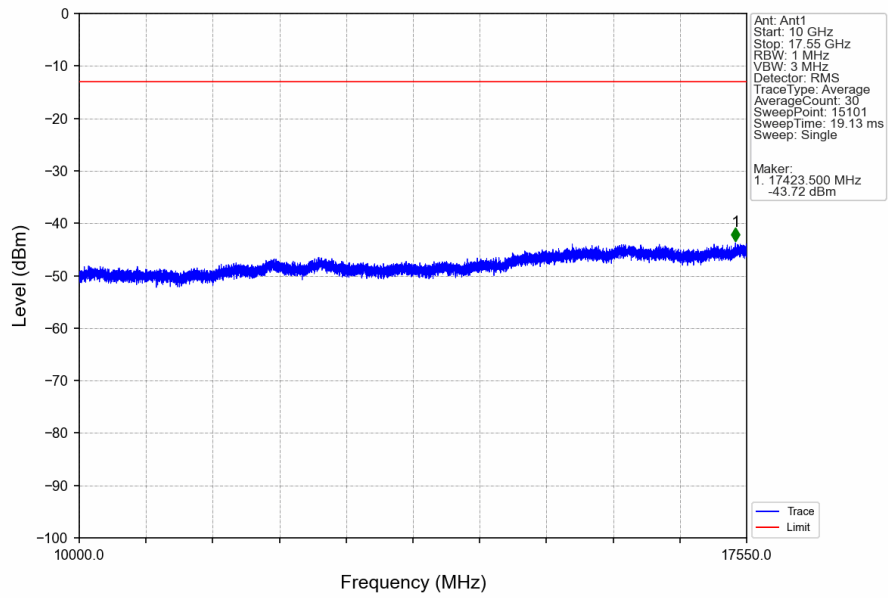
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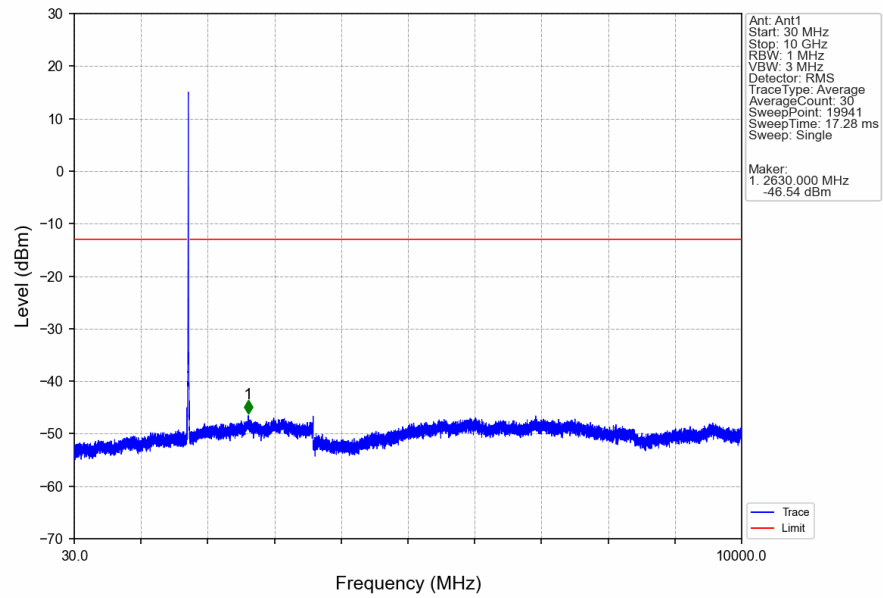
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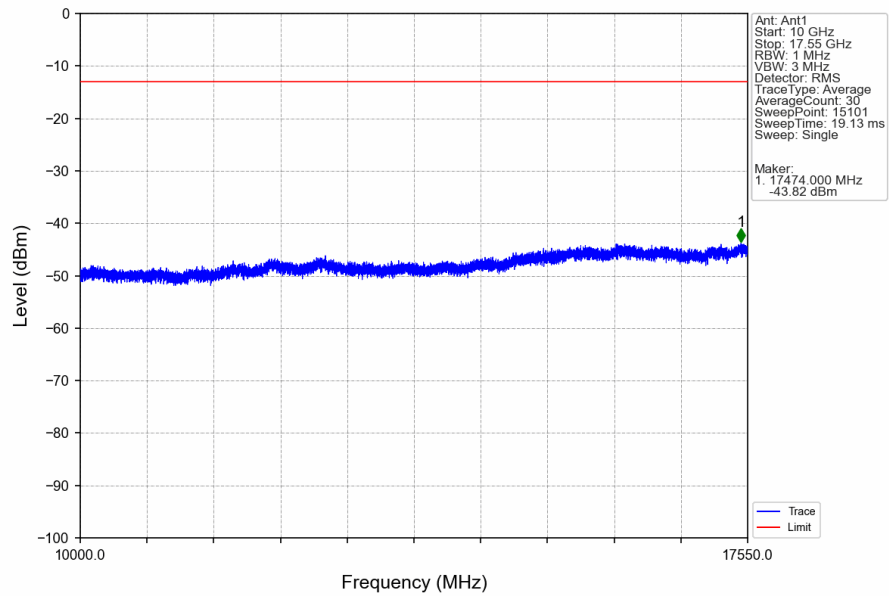
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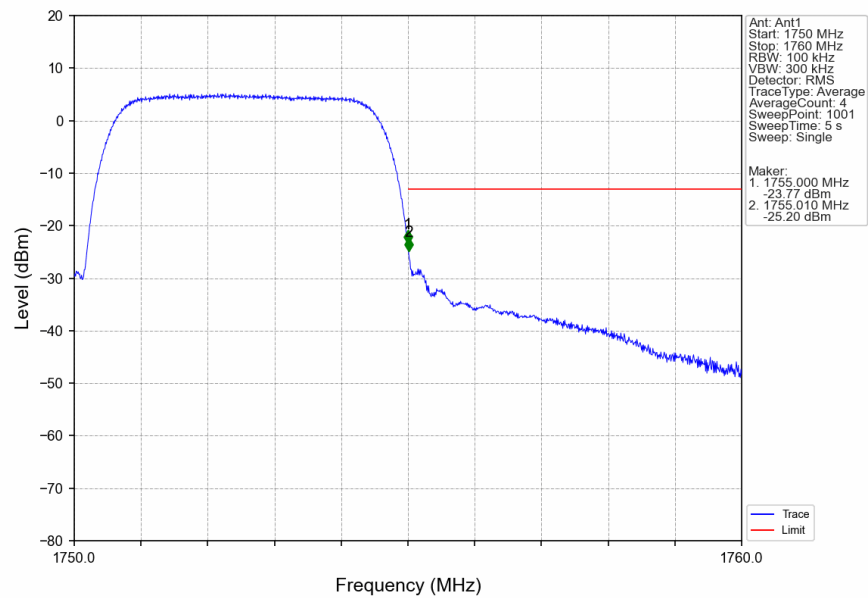
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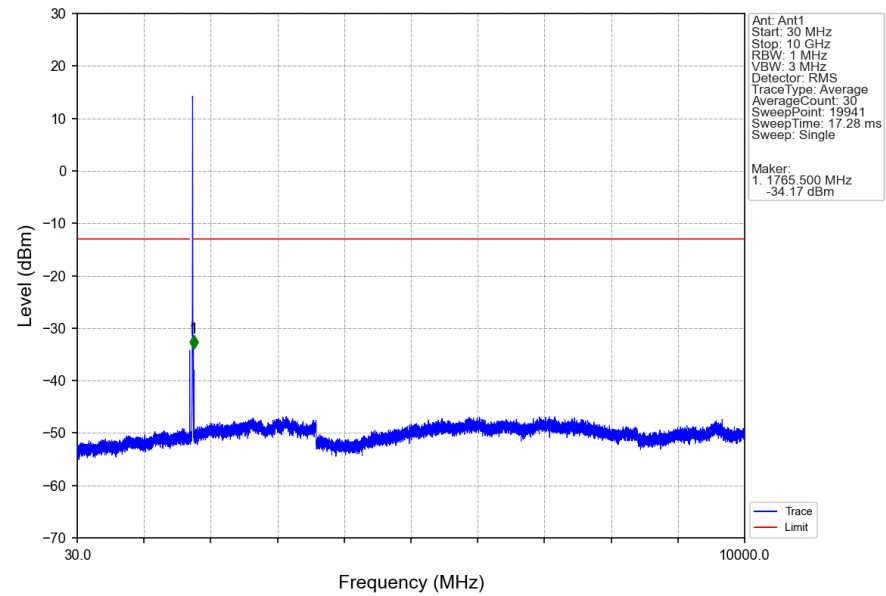
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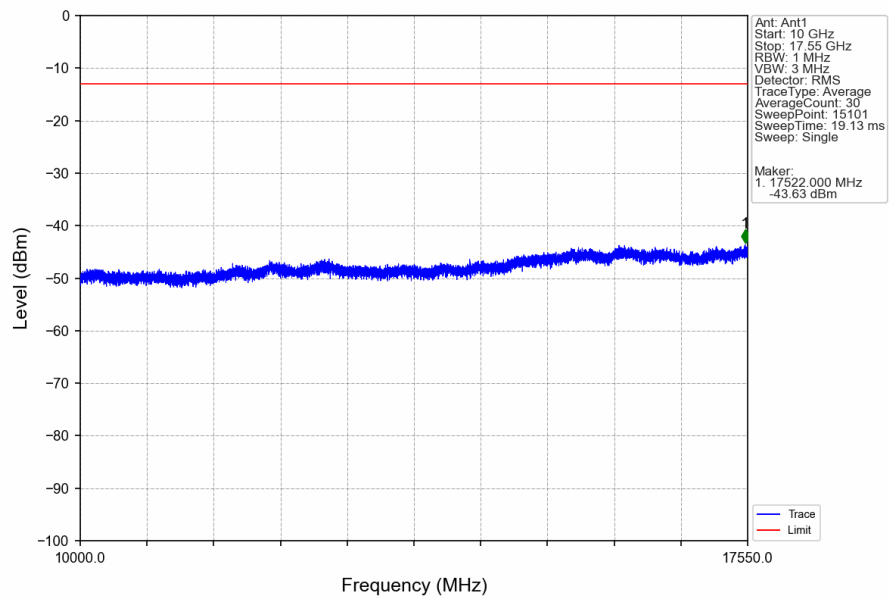
Band4_HSUPA_HCH_1752.6MHz_Subtest 1_NTNV



Band4 HSUPA HCH 1752.6MHz Subtest 1 NTN



Band4 HSUPA HCH 1752.6MHz Subtest 1 NTN



---End of Attachment---