

## 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	20.32	0.64	20.96	<=30	Pass
			1732.6	20.42	0.64	21.06	<=30	Pass
			1752.6	20.05	0.64	20.69	<=30	Pass
	HSDPA	Subtest 1	1712.4	19.88	0.64	20.52	<=30	Pass
		Subtest 2	1712.4	19.95	0.64	20.59	<=30	Pass
		Subtest 3	1712.4	19.95	0.64	20.59	<=30	Pass
		Subtest 4	1712.4	19.91	0.64	20.55	<=30	Pass
		Subtest 1	1732.6	20.12	0.64	20.76	<=30	Pass
		Subtest 2	1732.6	20.14	0.64	20.78	<=30	Pass
		Subtest 3	1732.6	20.14	0.64	20.78	<=30	Pass
		Subtest 4	1732.6	20.12	0.64	20.76	<=30	Pass
		Subtest 1	1752.6	20.14	0.64	20.78	<=30	Pass
		Subtest 2	1752.6	20.17	0.64	20.81	<=30	Pass
		Subtest 3	1752.6	20.16	0.64	20.80	<=30	Pass
		Subtest 4	1752.6	20.11	0.64	20.75	<=30	Pass
	HSUPA	Subtest 1	1712.4	17.91	0.64	18.55	<=30	Pass
		Subtest 2	1712.4	17.85	0.64	18.49	<=30	Pass
		Subtest 3	1712.4	17.62	0.64	18.26	<=30	Pass
		Subtest 4	1712.4	18.05	0.64	18.69	<=30	Pass
		Subtest 5	1712.4	17.62	0.64	18.26	<=30	Pass
		Subtest 1	1732.6	17.94	0.64	18.58	<=30	Pass
		Subtest 2	1732.6	17.69	0.64	18.33	<=30	Pass
		Subtest 3	1732.6	18.16	0.64	18.80	<=30	Pass
		Subtest 4	1732.6	18.15	0.64	18.79	<=30	Pass
		Subtest 5	1732.6	18.16	0.64	18.80	<=30	Pass
		Subtest 1	1752.6	18.16	0.64	18.80	<=30	Pass
		Subtest 2	1752.6	17.90	0.64	18.54	<=30	Pass
		Subtest 3	1752.6	18.11	0.64	18.75	<=30	Pass
		Subtest 4	1752.6	17.91	0.64	18.55	<=30	Pass
		Subtest 5	1752.6	18.09	0.64	18.73	<=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	-0.687	-0.0004	-2.5 to 2.5	Pass
			3.85	0.401	0.0002	-2.5 to 2.5	Pass
			4.43	0.458	0.0003	-2.5 to 2.5	Pass
		-30	3.85	0.844	0.0005	-2.5 to 2.5	Pass
		-20	3.85	0.672	0.0004	-2.5 to 2.5	Pass

TCT	1732.6	-10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
		0	3.85	-0.622	-0.0004	-2.5 to 2.5	Pass
		10	3.85	0.072	0.0000	-2.5 to 2.5	Pass
		30	3.85	0.379	0.0002	-2.5 to 2.5	Pass
		40	3.85	0.837	0.0005	-2.5 to 2.5	Pass
	1752.6	20	3.85	0.343	0.0002	-2.5 to 2.5	Pass
			3.27	0.837	0.0005	-2.5 to 2.5	Pass
			4.43	-1.309	-0.0008	-2.5 to 2.5	Pass
		-30	3.85	-0.050	0.0000	-2.5 to 2.5	Pass
		-20	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
		-10	3.85	0.415	0.0002	-2.5 to 2.5	Pass
		0	3.85	0.715	0.0004	-2.5 to 2.5	Pass
		10	3.85	0.501	0.0003	-2.5 to 2.5	Pass
		30	3.85	0.622	0.0004	-2.5 to 2.5	Pass
		40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
1752.6	20	3.85	0.858	0.0005	-2.5 to 2.5	Pass	
		3.27	0.300	0.0002	-2.5 to 2.5	Pass	
		4.43	0.308	0.0002	-2.5 to 2.5	Pass	
	-30	3.85	0.479	0.0003	-2.5 to 2.5	Pass	
	-20	3.85	0.465	0.0003	-2.5 to 2.5	Pass	
	-10	3.85	0.286	0.0002	-2.5 to 2.5	Pass	
	0	3.85	0.043	0.0000	-2.5 to 2.5	Pass	
	10	3.85	0.308	0.0002	-2.5 to 2.5	Pass	
	30	3.85	-0.193	-0.0001	-2.5 to 2.5	Pass	
	40	3.85	-0.250	-0.0001	-2.5 to 2.5	Pass	
HSDPA	1712.4	20	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
			3.27	-2.174	-0.0013	-2.5 to 2.5	Pass
			4.43	3.812	0.0022	-2.5 to 2.5	Pass
		-30	3.85	12.732	0.0074	-2.5 to 2.5	Pass
		-20	3.85	6.373	0.0037	-2.5 to 2.5	Pass
		-10	3.85	8.147	0.0048	-2.5 to 2.5	Pass
		0	3.85	18.067	0.0106	-2.5 to 2.5	Pass
		10	3.85	9.542	0.0056	-2.5 to 2.5	Pass
		30	3.85	10.815	0.0063	-2.5 to 2.5	Pass
		40	3.85	10.099	0.0059	-2.5 to 2.5	Pass
	1732.6	20	3.85	16.530	0.0097	-2.5 to 2.5	Pass
			3.27	23.668	0.0138	-2.5 to 2.5	Pass
			4.43	2.332	0.0013	-2.5 to 2.5	Pass
		-30	3.85	-2.139	-0.0012	-2.5 to 2.5	Pass
		-20	3.85	0.436	0.0003	-2.5 to 2.5	Pass
1752.6	20	3.85	-6.330	-0.0037	-2.5 to 2.5	Pass	
		3.27	-6.108	-0.0035	-2.5 to 2.5	Pass	
		4.43	-0.379	-0.0002	-2.5 to 2.5	Pass	
	-30	3.85	0.322	0.0002	-2.5 to 2.5	Pass	
	-20	3.85	-9.620	-0.0056	-2.5 to 2.5	Pass	
1752.6	20	3.85	-11.437	-0.0066	-2.5 to 2.5	Pass	
		3.27	-10.629	-0.0061	-2.5 to 2.5	Pass	
		4.43	-10.221	-0.0059	-2.5 to 2.5	Pass	
	-30	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass	
	-20	3.85	-11.451	-0.0065	-2.5 to 2.5	Pass	
	-10	3.85	-8.948	-0.0051	-2.5 to 2.5	Pass	
	0	3.85	-13.876	-0.0079	-2.5 to 2.5	Pass	
	10	3.85	-5.386	-0.0031	-2.5 to 2.5	Pass	
30	3.85	3.026	0.0017	-2.5 to 2.5	Pass		
40	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass		
50	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass		
60	3.85	2.382	0.0014	-2.5 to 2.5	Pass		

HSUPA	1712.4	40	3.85	5.772	0.0033	-2.5 to 2.5	Pass
		50	3.85	20.821	0.0119	-2.5 to 2.5	Pass
		20	3.27	16.601	0.0097	-2.5 to 2.5	Pass
			3.85	23.203	0.0135	-2.5 to 2.5	Pass
			4.43	33.896	0.0198	-2.5 to 2.5	Pass
		-30	3.85	46.785	0.0273	-2.5 to 2.5	Pass
		-20	3.85	52.607	0.0307	-2.5 to 2.5	Pass
		-10	3.85	73.607	0.0430	-2.5 to 2.5	Pass
		0	3.85	83.621	0.0488	-2.5 to 2.5	Pass
		10	3.85	105.193	0.0614	-2.5 to 2.5	Pass
	30	3.85	114.276	0.0667	-2.5 to 2.5	Pass	
	40	3.85	123.389	0.0721	-2.5 to 2.5	Pass	
	50	3.85	140.855	0.0823	-2.5 to 2.5	Pass	
	1732.6	20	3.27	-5.000	-0.0029	-2.5 to 2.5	Pass
			3.85	1.945	0.0011	-2.5 to 2.5	Pass
			4.43	0.386	0.0002	-2.5 to 2.5	Pass
		-30	3.85	0.787	0.0005	-2.5 to 2.5	Pass
		-20	3.85	6.645	0.0038	-2.5 to 2.5	Pass
		-10	3.85	6.087	0.0035	-2.5 to 2.5	Pass
		0	3.85	2.782	0.0016	-2.5 to 2.5	Pass
		10	3.85	4.363	0.0025	-2.5 to 2.5	Pass
		30	3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
		40	3.85	4.141	0.0024	-2.5 to 2.5	Pass
	50	3.85	14.162	0.0082	-2.5 to 2.5	Pass	
	1752.6	20	3.27	-0.250	-0.0001	-2.5 to 2.5	Pass
			3.85	8.376	0.0048	-2.5 to 2.5	Pass
			4.43	4.013	0.0023	-2.5 to 2.5	Pass
		-30	3.85	9.785	0.0056	-2.5 to 2.5	Pass
		-20	3.85	19.777	0.0113	-2.5 to 2.5	Pass
		-10	3.85	26.064	0.0149	-2.5 to 2.5	Pass
0		3.85	20.406	0.0116	-2.5 to 2.5	Pass	
10		3.85	20.492	0.0117	-2.5 to 2.5	Pass	
30		3.85	21.422	0.0122	-2.5 to 2.5	Pass	
40		3.85	23.110	0.0132	-2.5 to 2.5	Pass	
50	3.85	13.454	0.0077	-2.5 to 2.5	Pass		

### 3. Modulation Characteristics

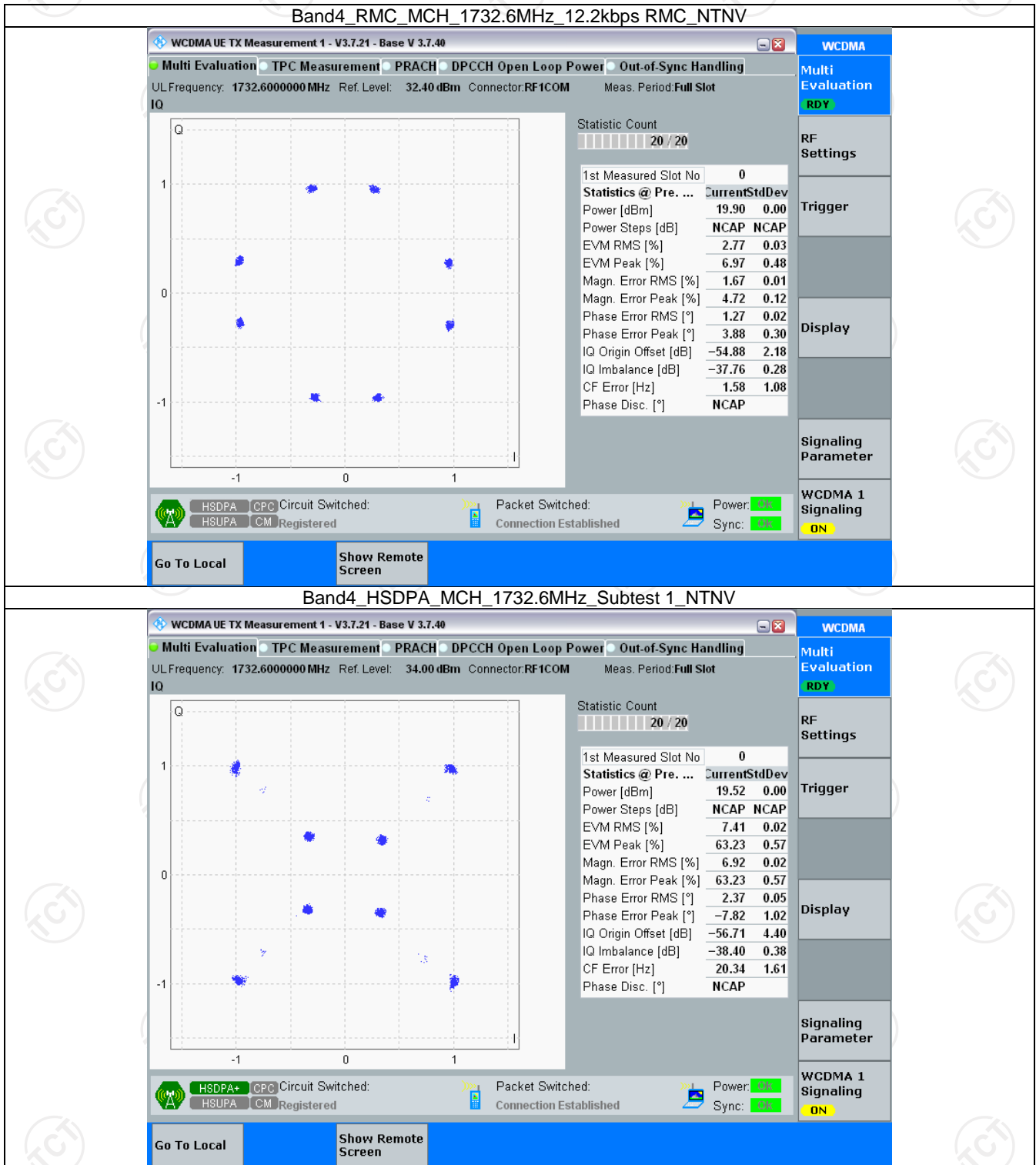
#### 3.1 Test Result

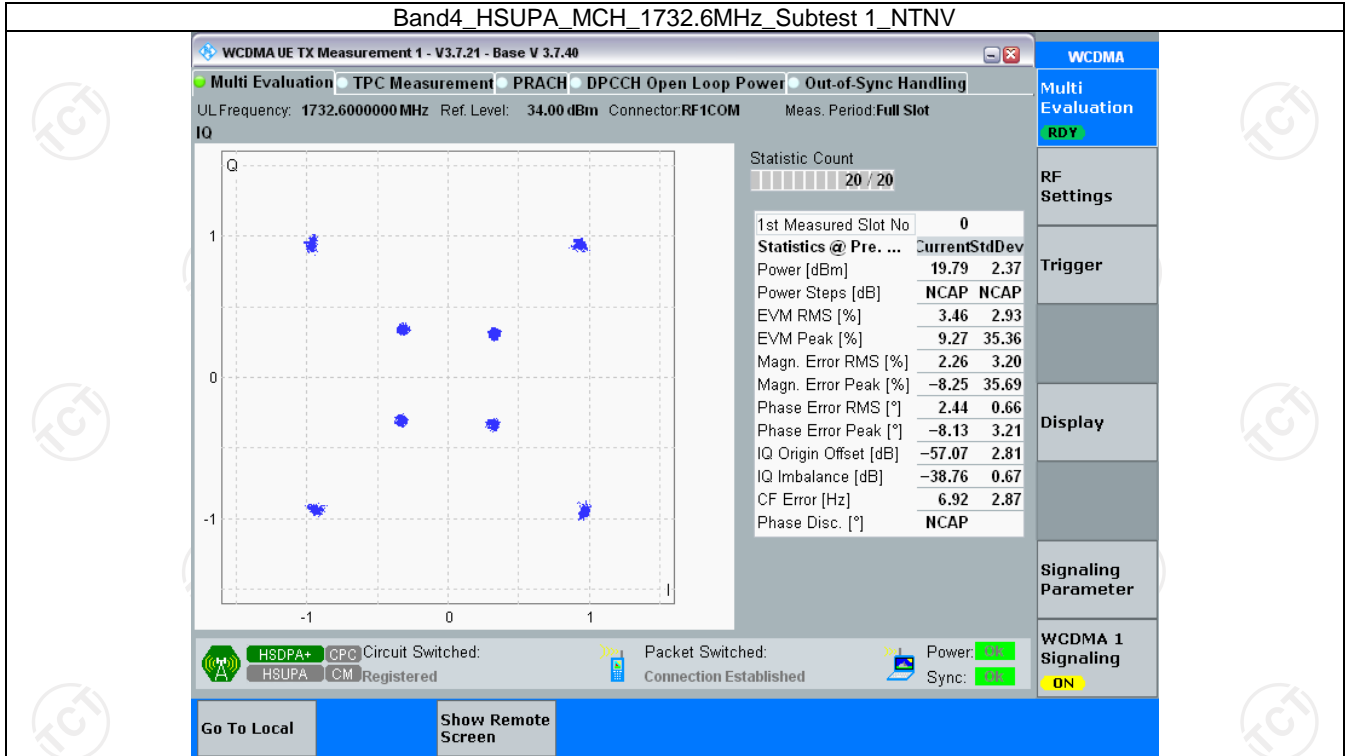
##### 3.1.1 Band4

Band: 4						
ENV	Mode		Frequency (MHz)	Modulation Characteristics		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1732.6	Refer To Test Graph		Pass
	HSDPA	Subtest 1	1732.6	Refer To Test Graph		Pass
	HSUPA	Subtest 1	1732.6	Refer To Test Graph		Pass

### 3.2 Test Graph

#### 3.2.1 Band4





## 4. 99% & 26dB Bandwidth

### 4.1 Test Result

#### 4.1.1 Band4\_OBW

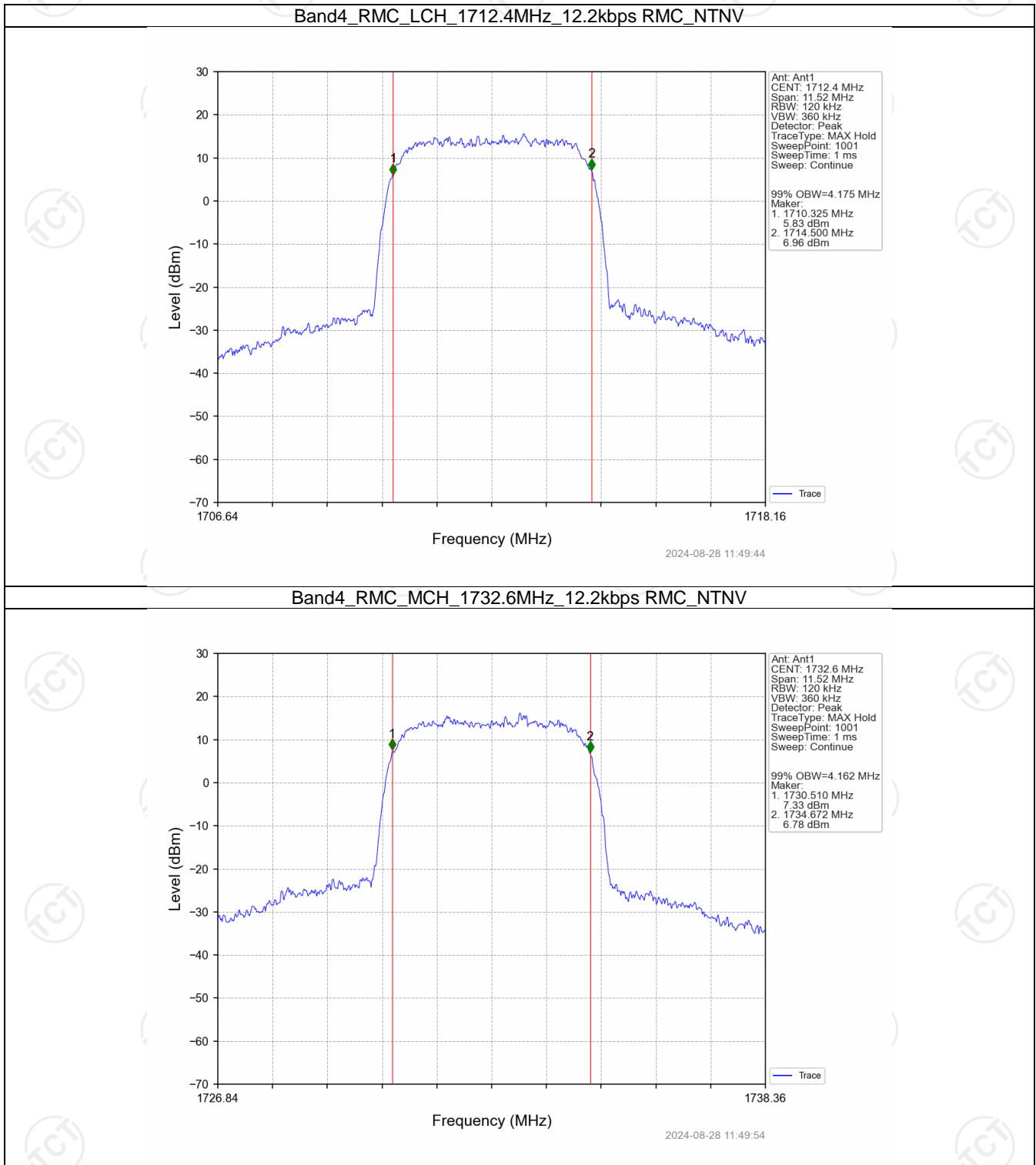
Band: 4						
ENV	Mode		Frequency (MHz)	99% Occupied Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.175	/	Pass
			1732.6	4.162	/	Pass
			1752.6	4.154	/	Pass
	HSDPA	Subtest 1	1712.4	4.163	/	Pass
			1732.6	4.175	/	Pass
			1752.6	4.145	/	Pass
	HSUPA	Subtest 1	1712.4	4.157	/	Pass
			1732.6	4.170	/	Pass
			1752.6	4.156	/	Pass

#### 4.1.2 Band4\_XDB

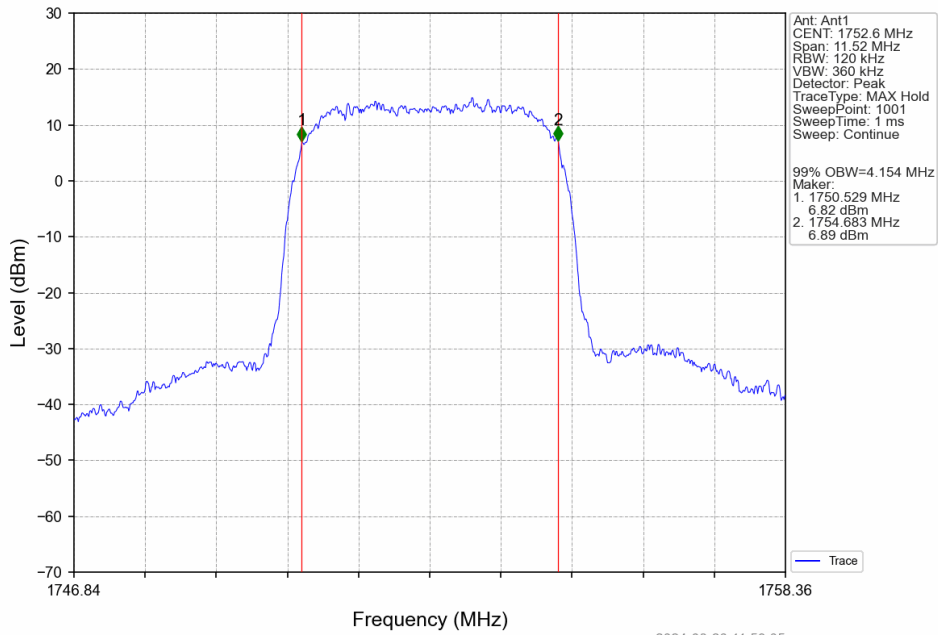
Band: 4						
ENV	Mode		Frequency (MHz)	26dB Bandwidth (MHz)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	4.718	/	Pass
			1732.6	4.724	/	Pass
			1752.6	4.709	/	Pass
	HSDPA	Subtest 1	1712.4	4.683	/	Pass
			1732.6	4.720	/	Pass
			1752.6	4.701	/	Pass
	HSUPA	Subtest 1	1712.4	4.709	/	Pass
			1732.6	4.719	/	Pass
			1752.6	4.701	/	Pass

## 4.2 Test Graph

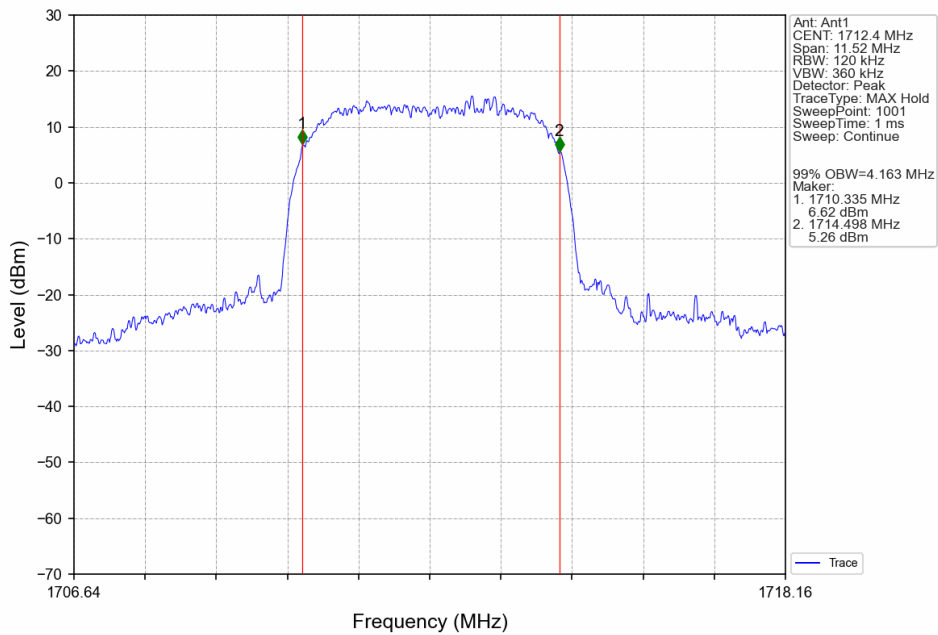
### 4.2.1 Band4\_OBW



Band4\_RMC\_HCH\_1752.6MHz\_12.2kbps RMC\_NTNV

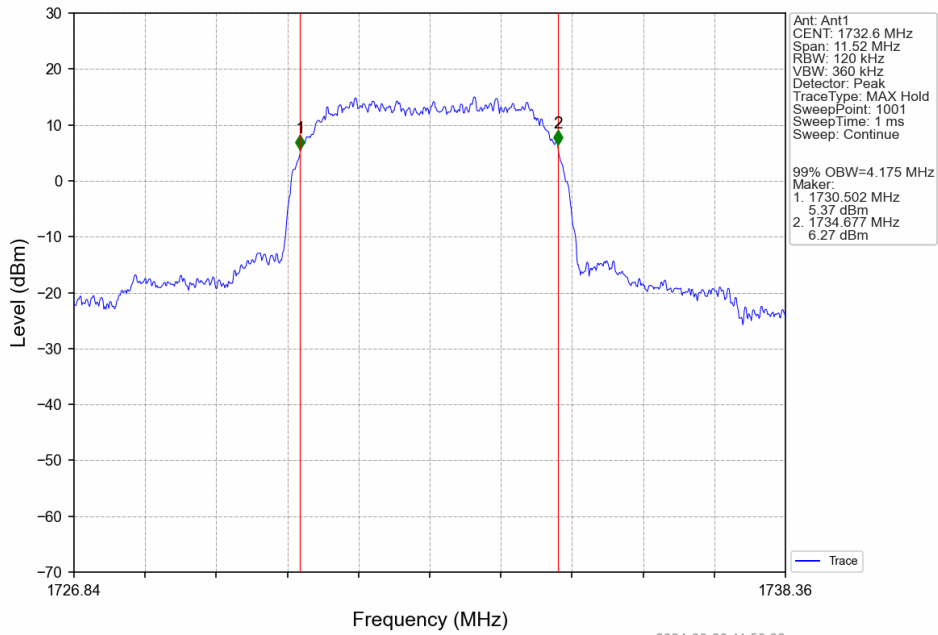


Band4\_HSDPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV

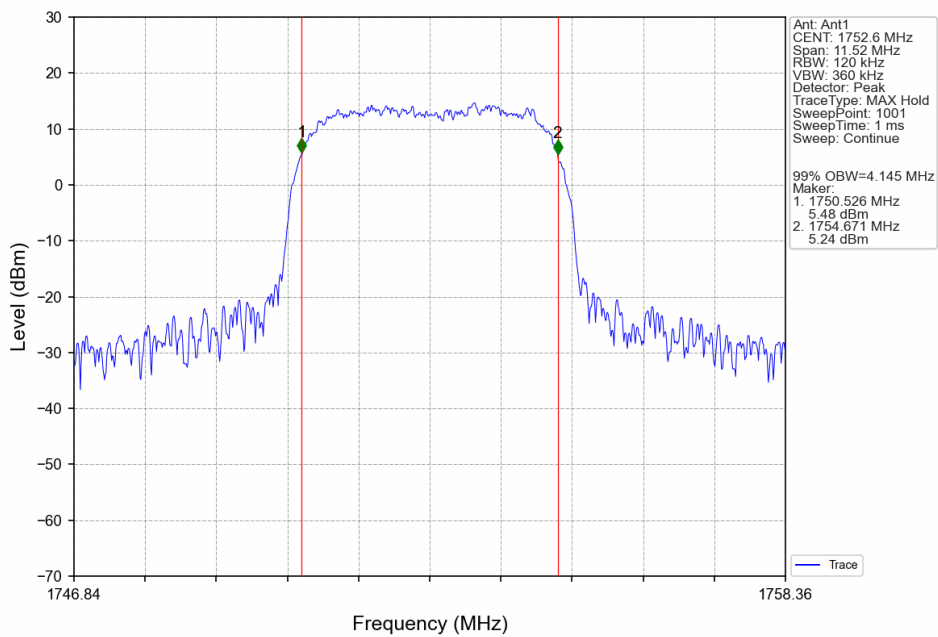




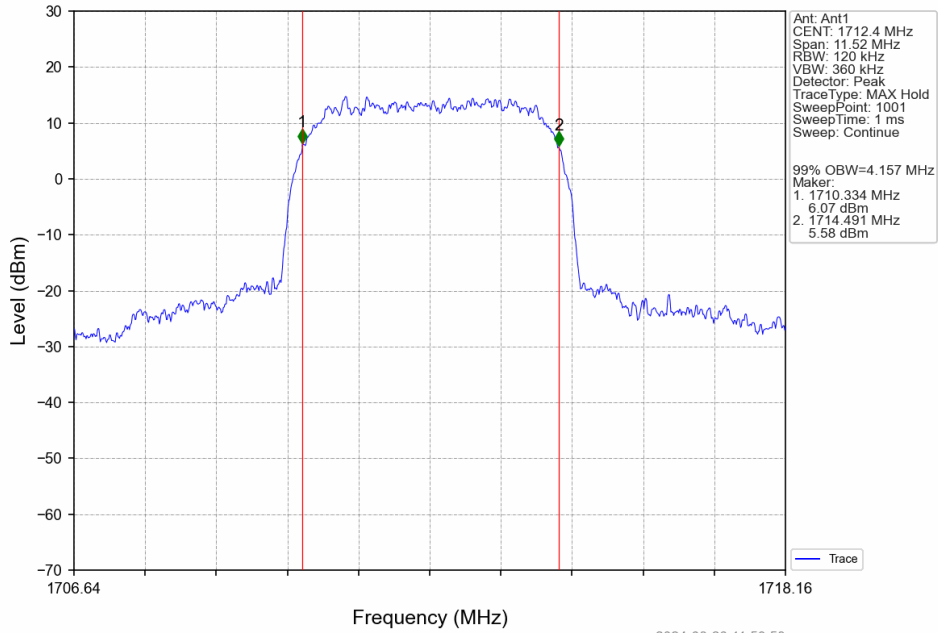
Band4\_HSDPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



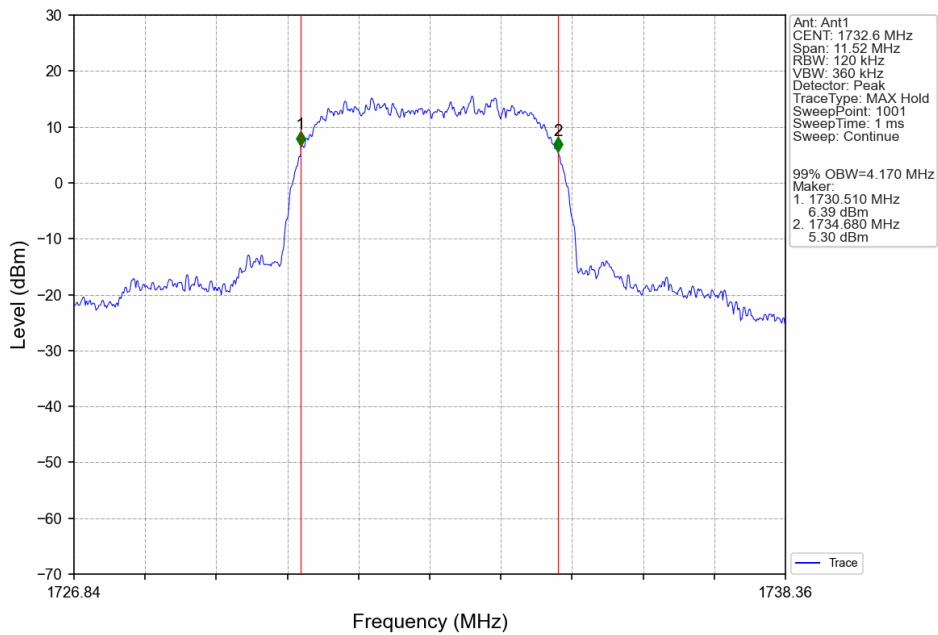
Band4\_HSDPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



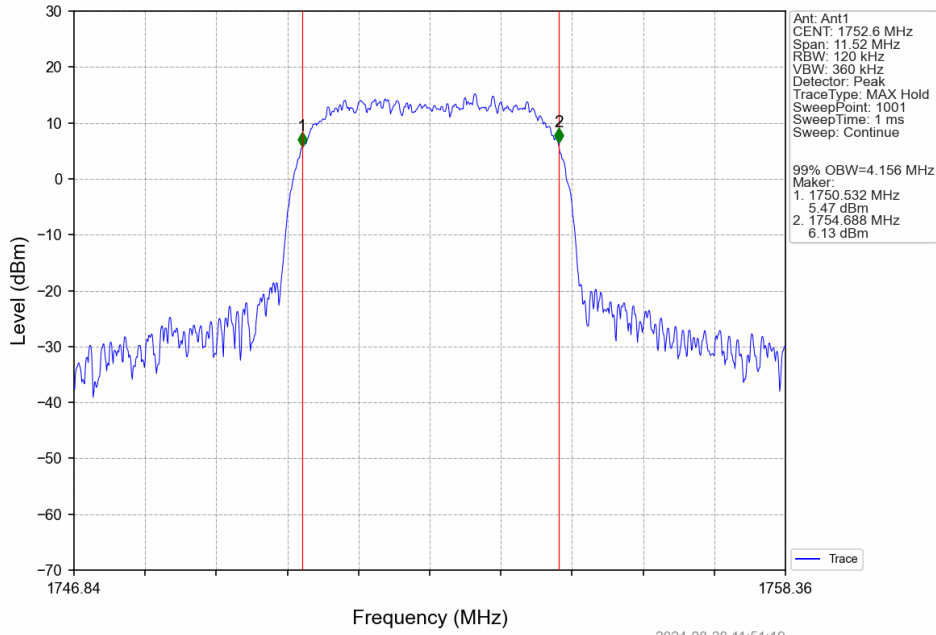
Band4\_HSUPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



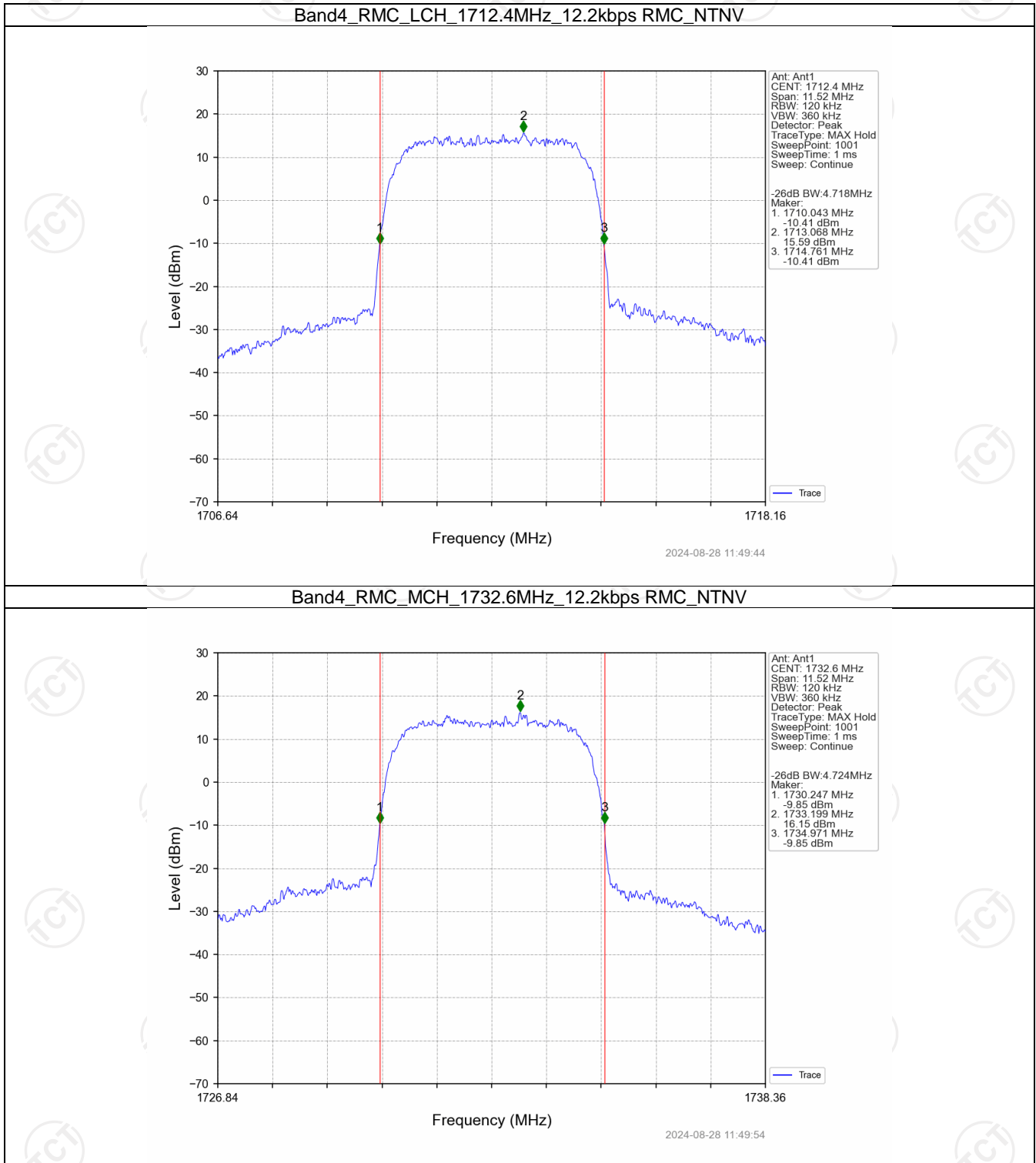
Band4\_HSUPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



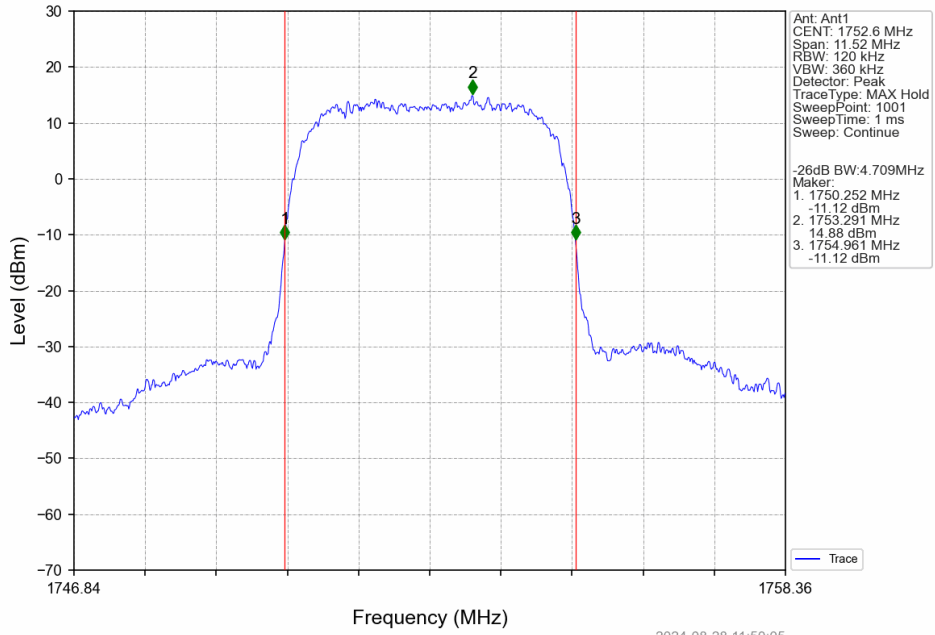
Band4\_HSUPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



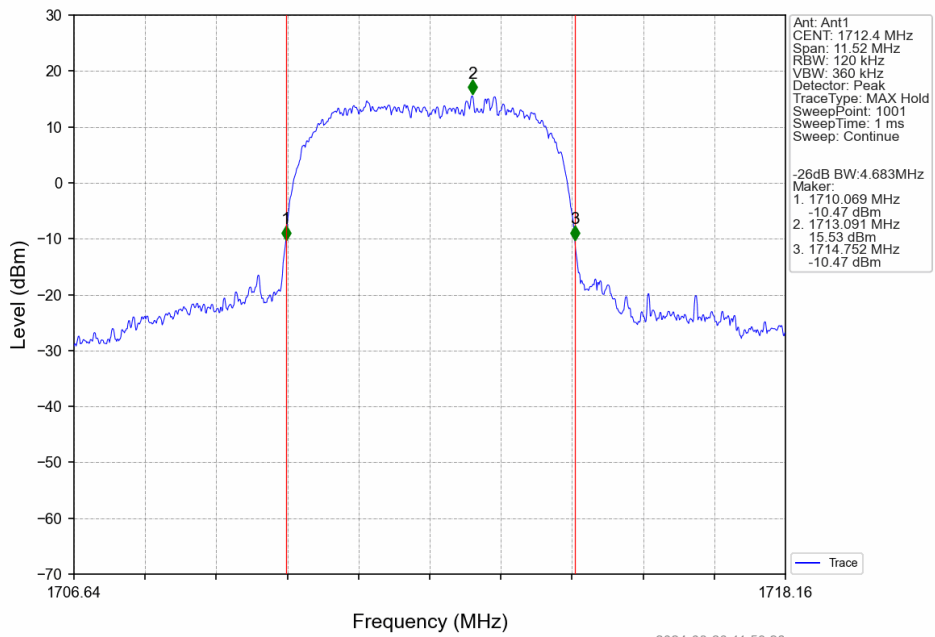
4.2.2 Band4\_XDB



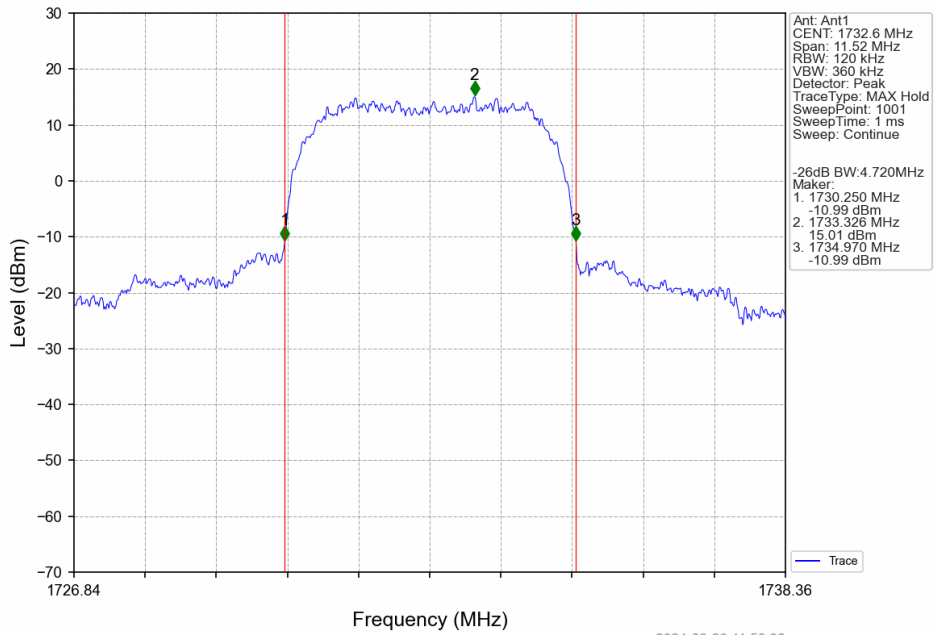
Band4\_RMC\_HCH\_1752.6MHz\_12.2kbps RMC\_NTNV



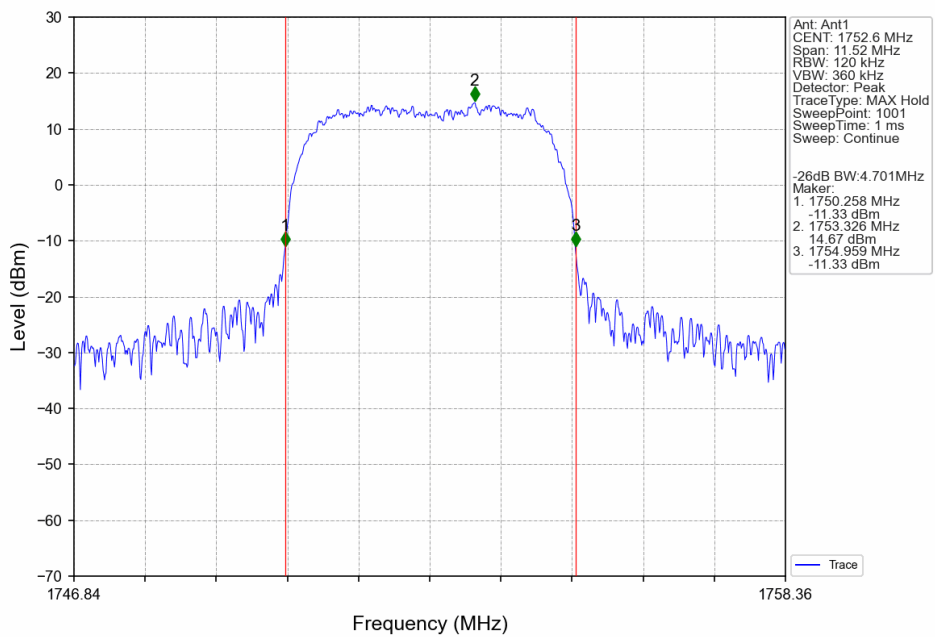
Band4\_HSDPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



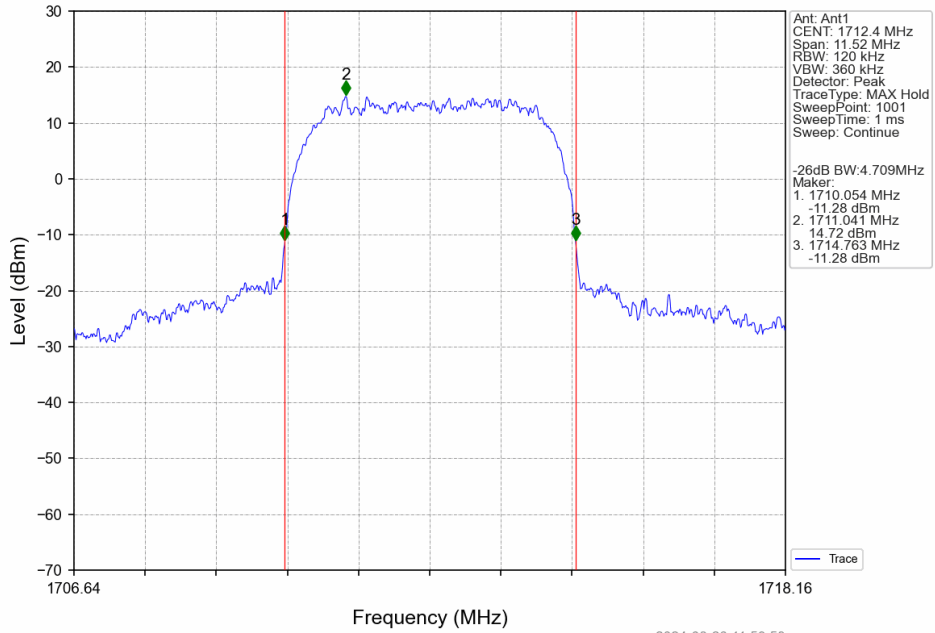
Band4\_HSDPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



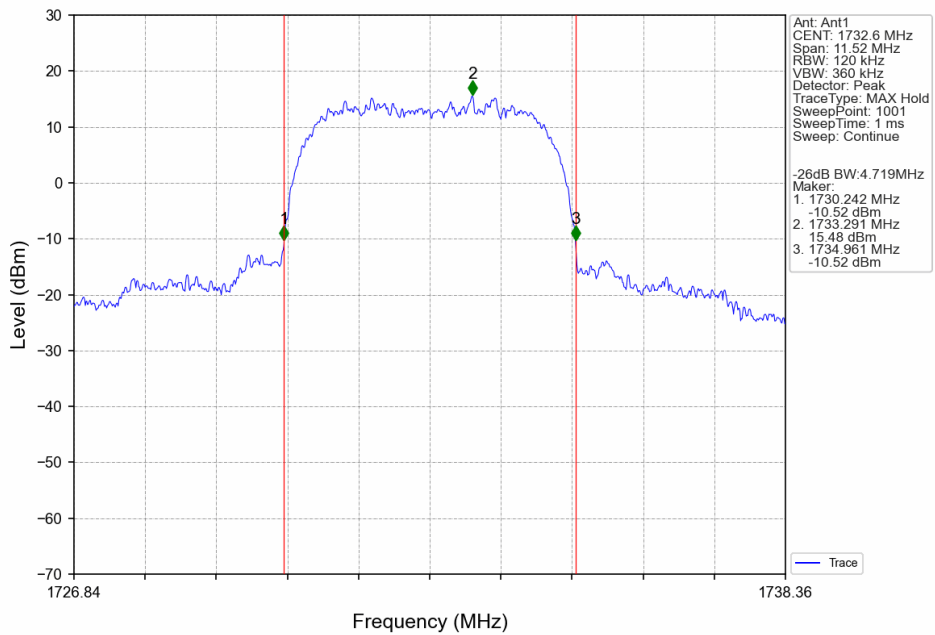
Band4\_HSDPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



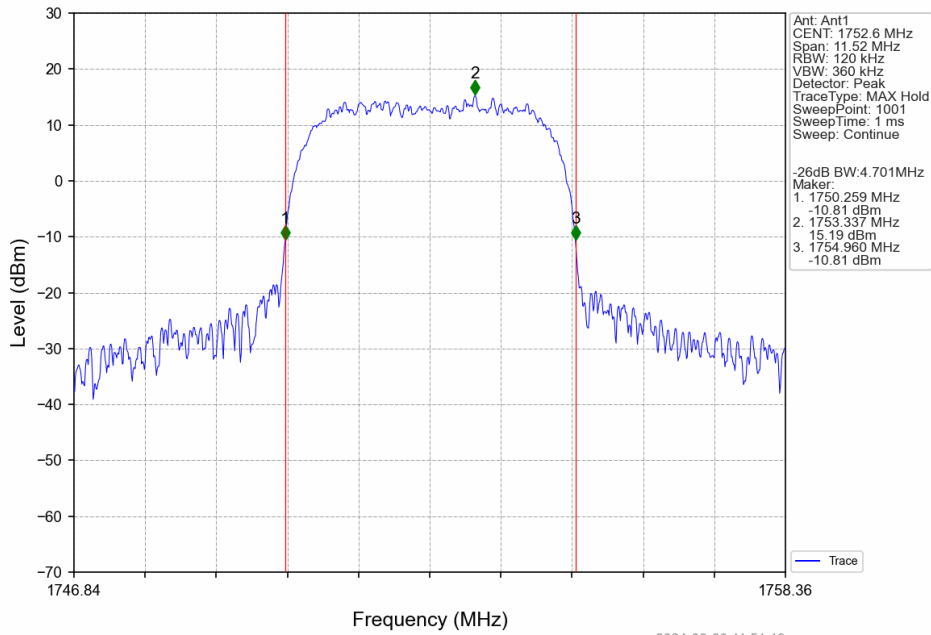
Band4\_HSUPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



Band4\_HSUPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



Band4\_HSUPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV





## 5. Peak-Average Ratio

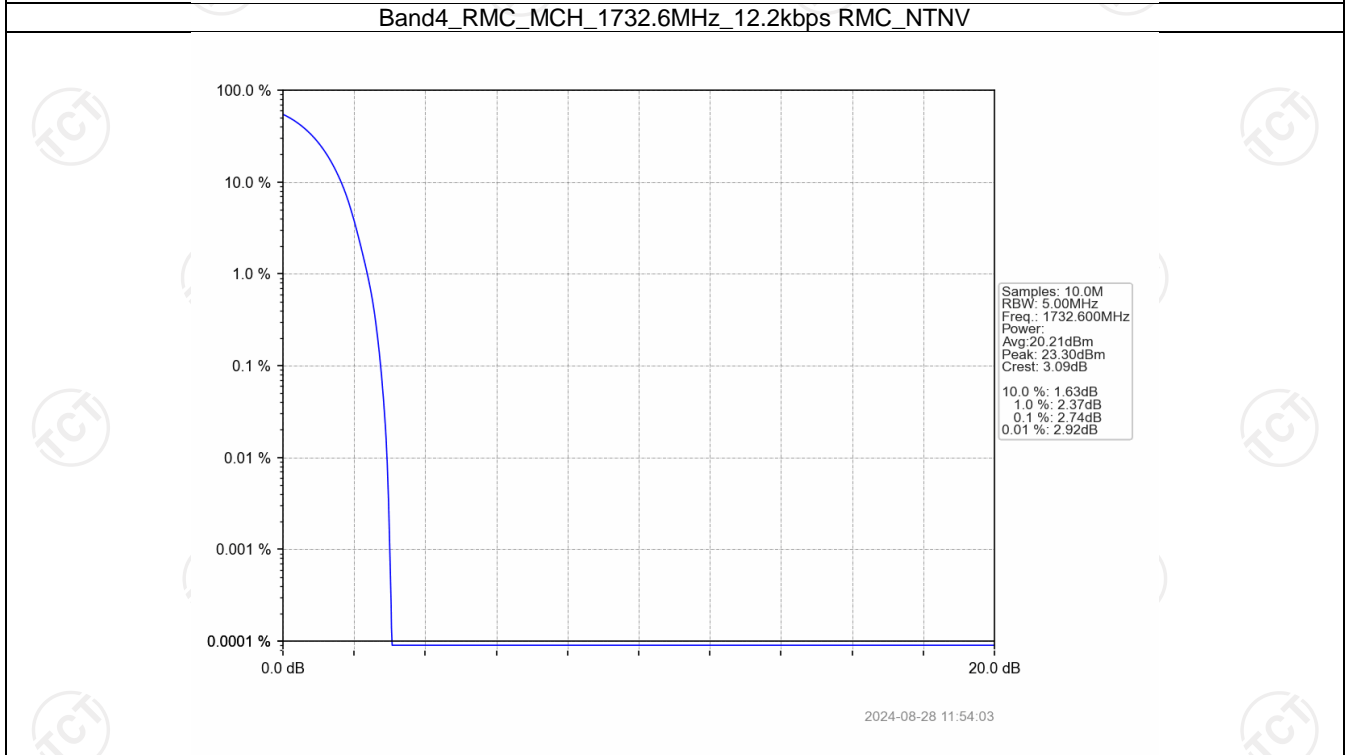
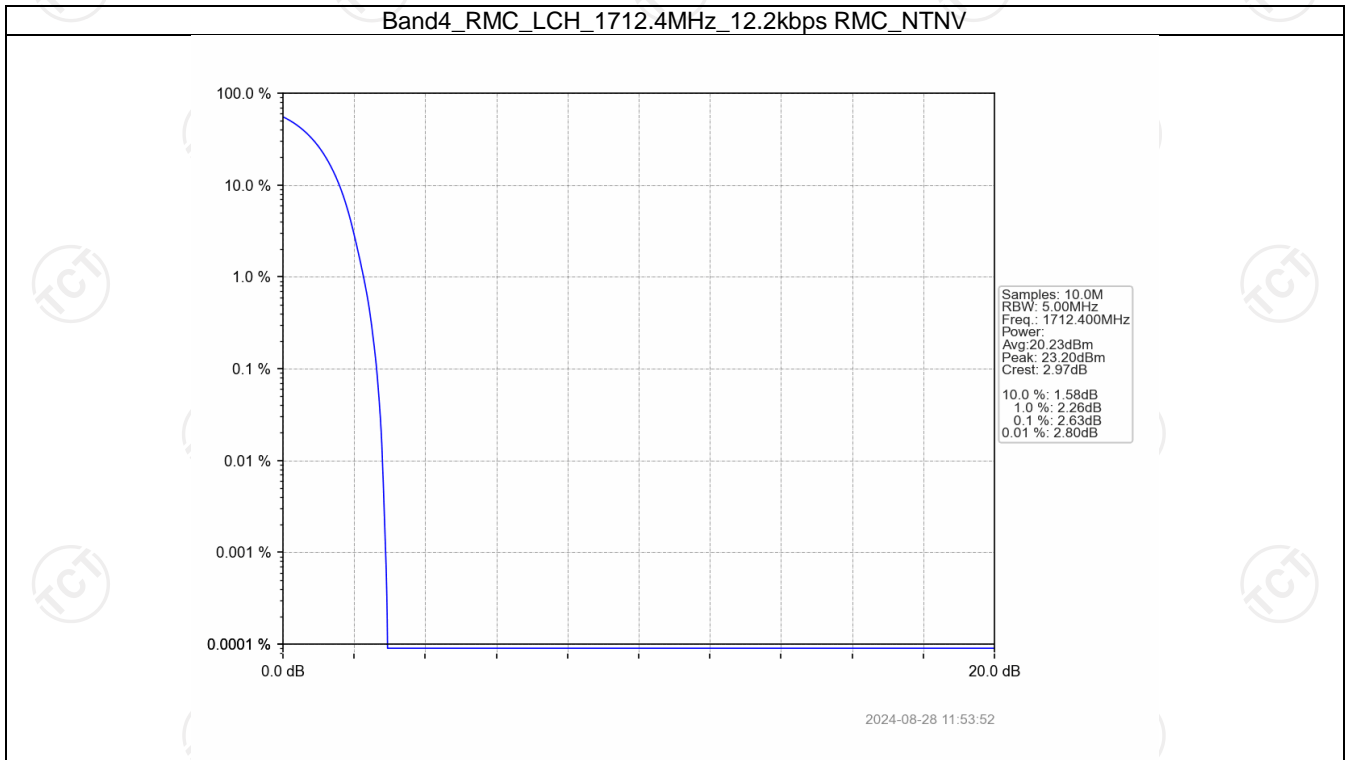
### 5.1 Test Result

#### 5.1.1 Band4

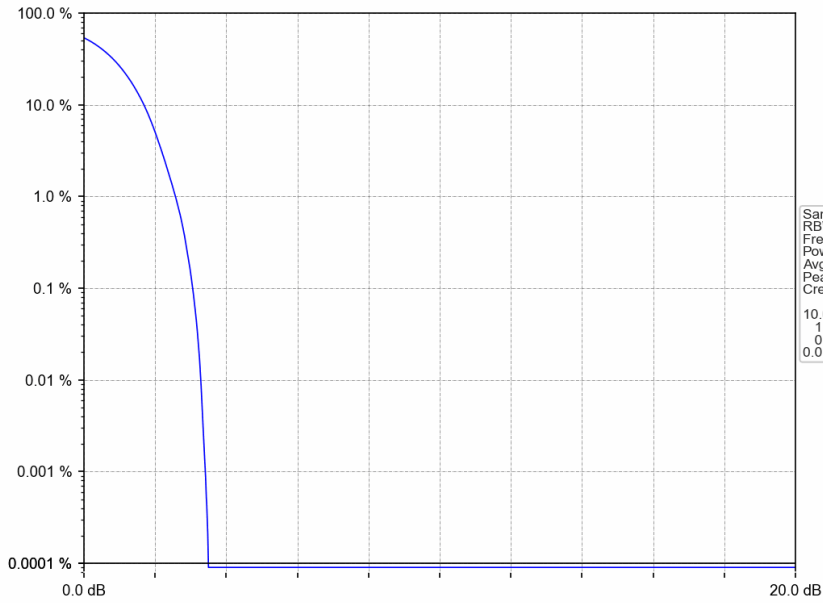
Band: 4						
ENV	Mode		Frequency (MHz)	Peak-Average Ratio (dB)		Verdict
	Network	Subset		Result	Limit	
NTNV	RMC	12.2kbps RMC	1712.4	2.63	<=13	Pass
			1732.6	2.74	<=13	Pass
			1752.6	3.06	<=13	Pass
	HSDPA	Subtest 1	1712.4	5.42	<=13	Pass
			1732.6	5.40	<=13	Pass
			1752.6	5.84	<=13	Pass
	HSUPA	Subtest 1	1712.4	5.49	<=13	Pass
			1732.6	5.24	<=13	Pass
			1752.6	5.74	<=13	Pass

## 5.2 Test Graph

### 5.2.1 Band4

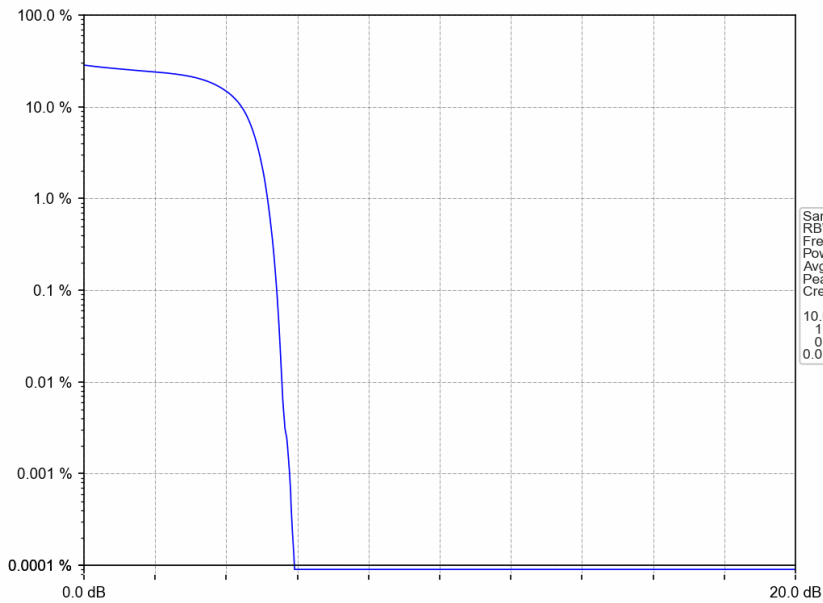


Band4\_RMC\_HCH\_1752.6MHz\_12.2kbps RMC\_NTNV



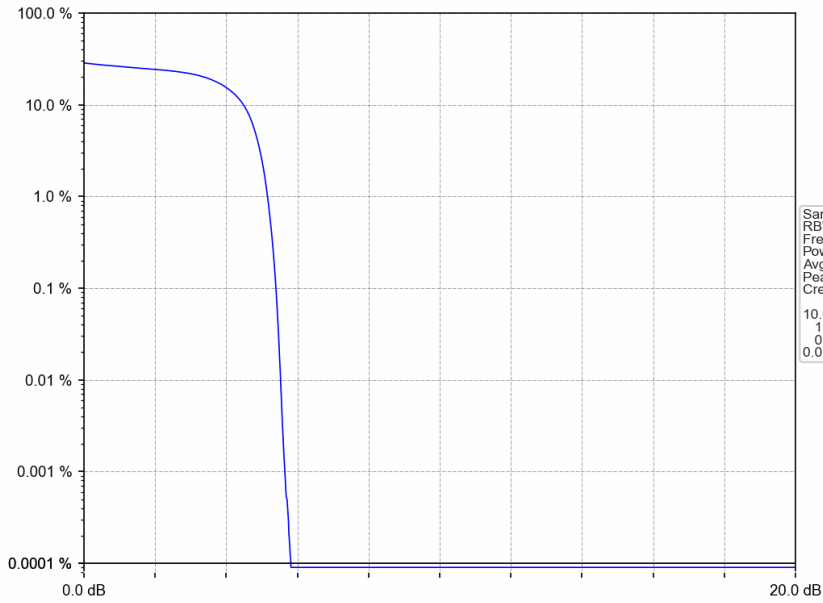
2024-08-28 11:54:17

Band4\_HSDPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



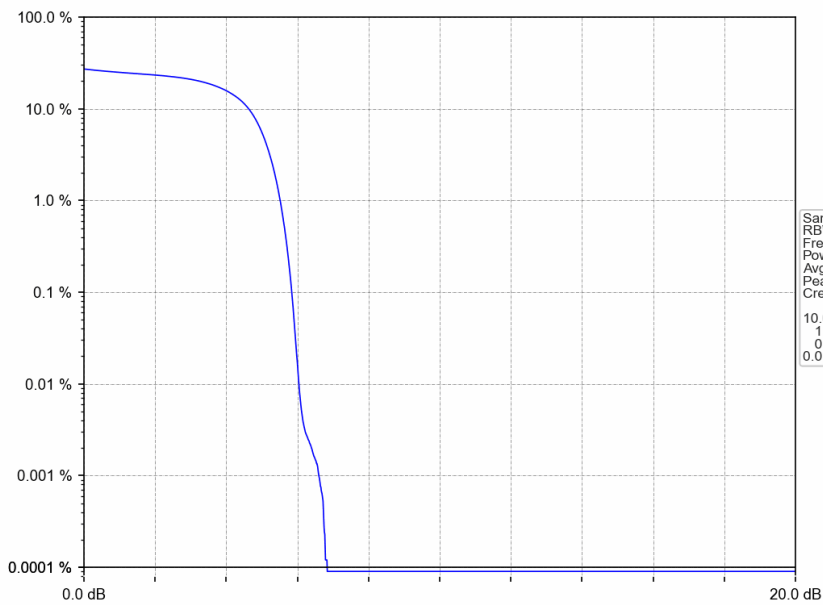
2024-08-28 11:54:41

Band4\_HSDPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



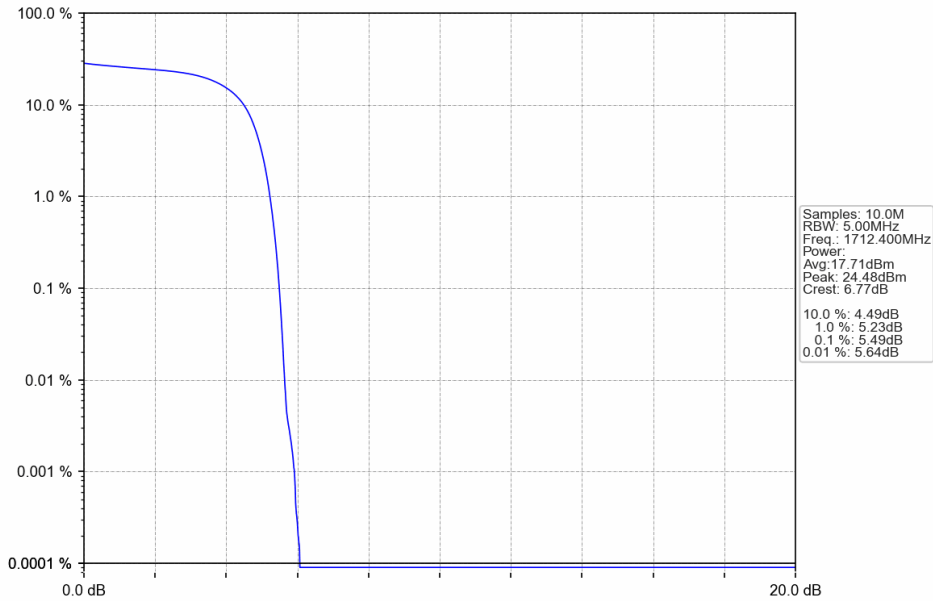
2024-08-28 11:54:54

Band4\_HSDPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



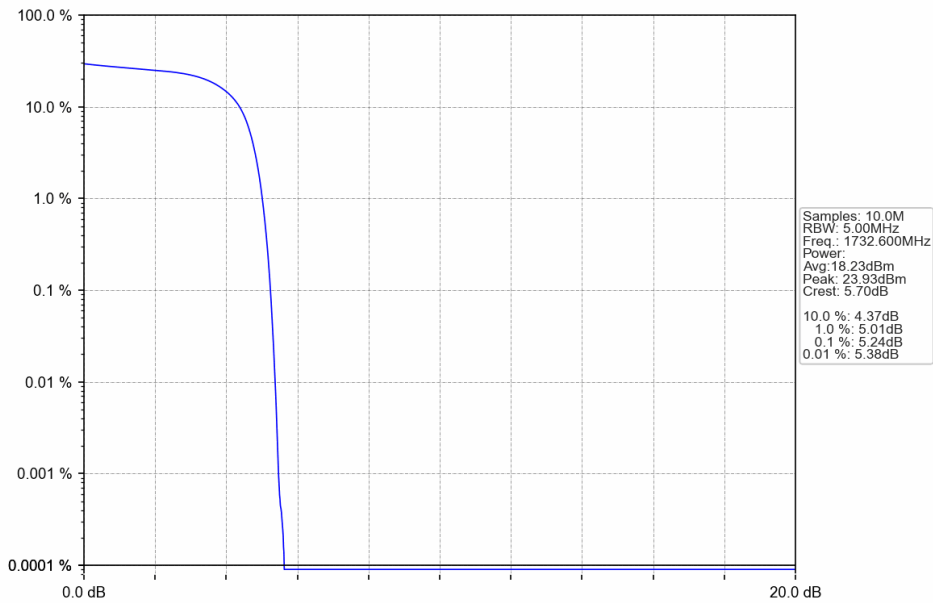
2024-08-28 11:55:07

Band4\_HSUPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



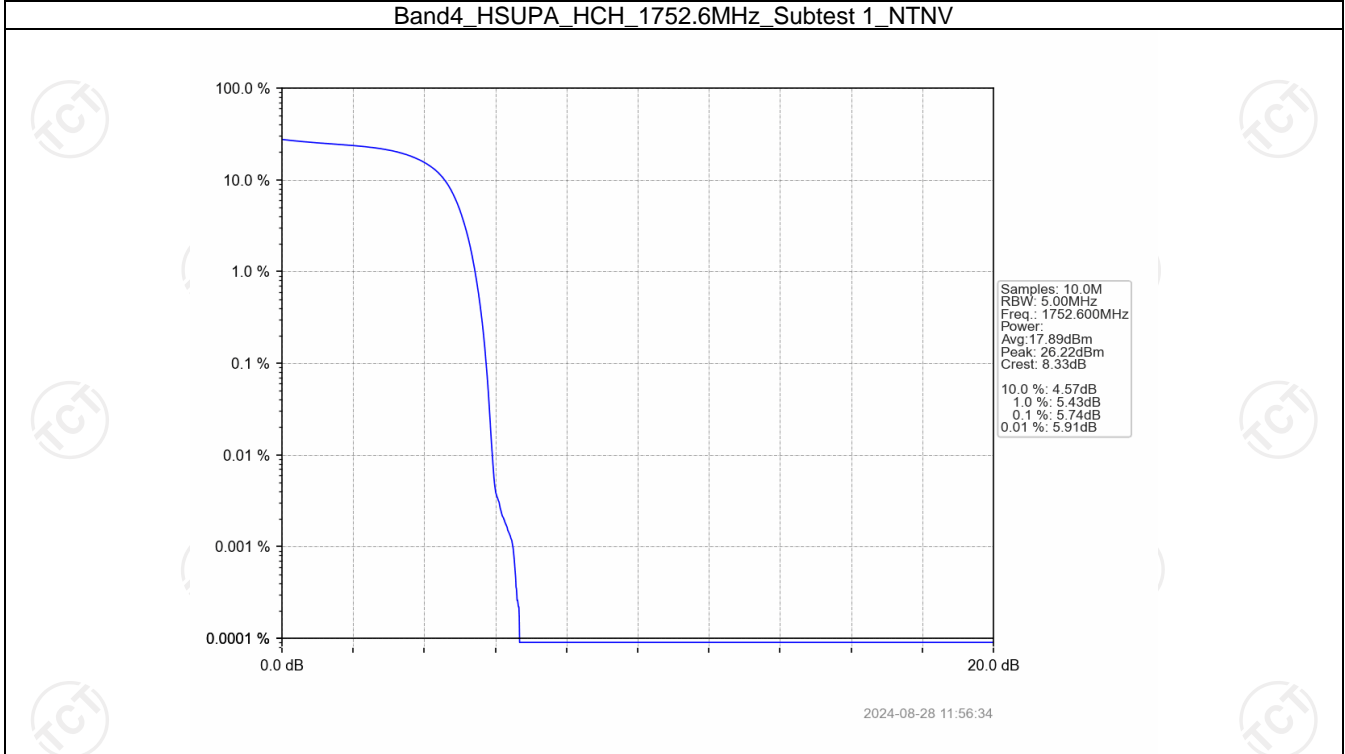
2024-08-28 11:55:20

Band4\_HSUPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



2024-08-28 11:56:22

Band4\_HSUPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



## 6. Spurious Emission

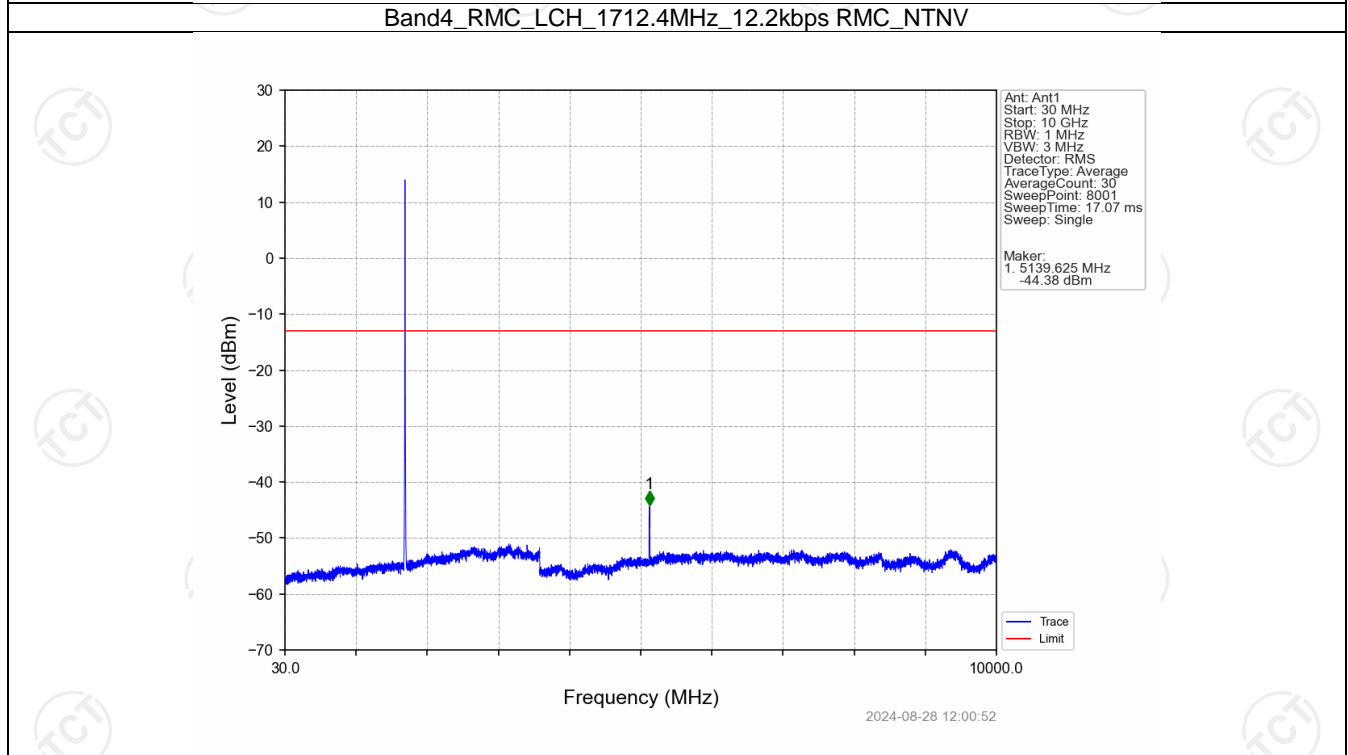
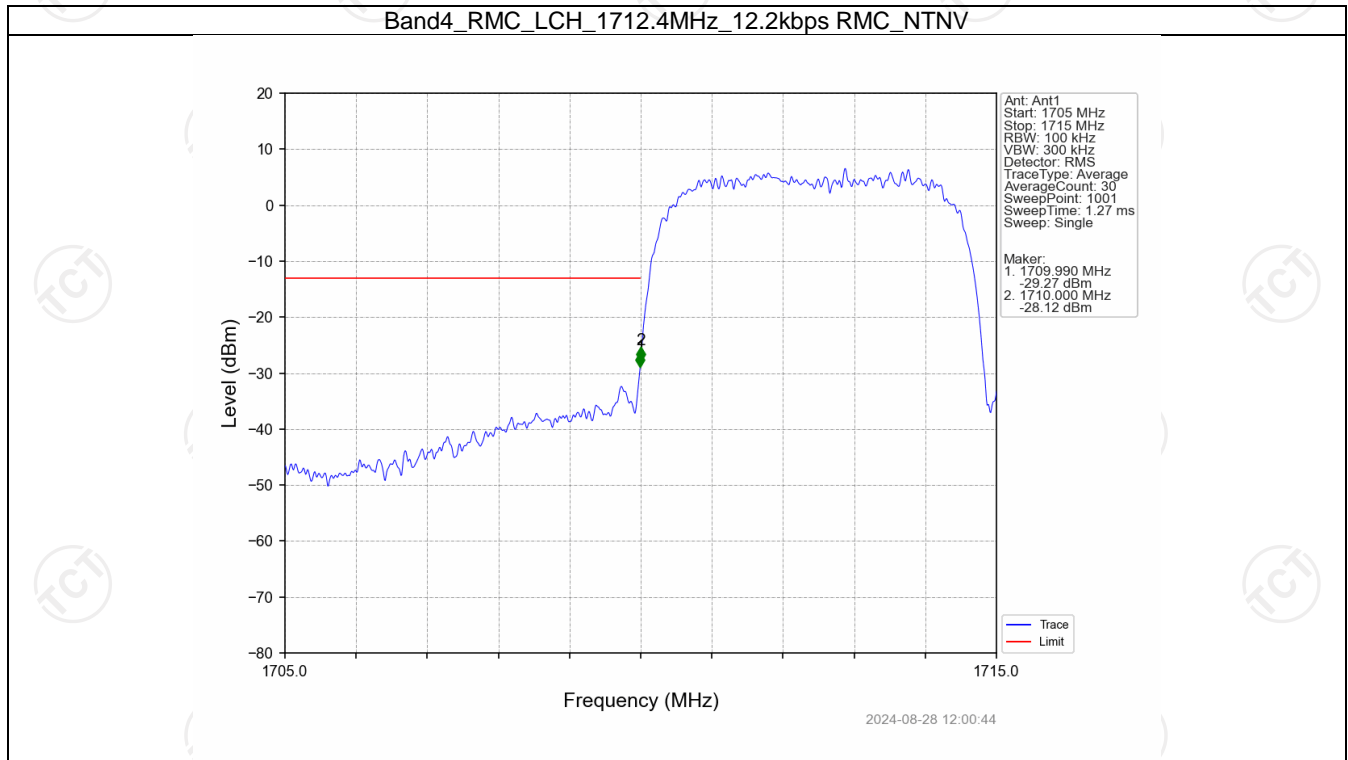
### 6.1 Test Result

#### 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
	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

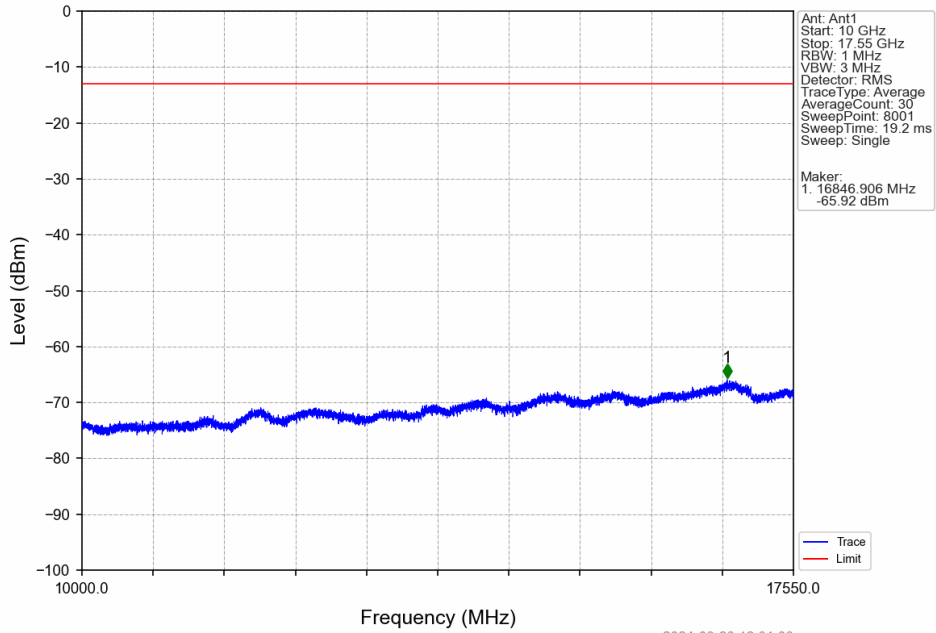
## 6.2 Test Graph

### 6.2.1 Band4

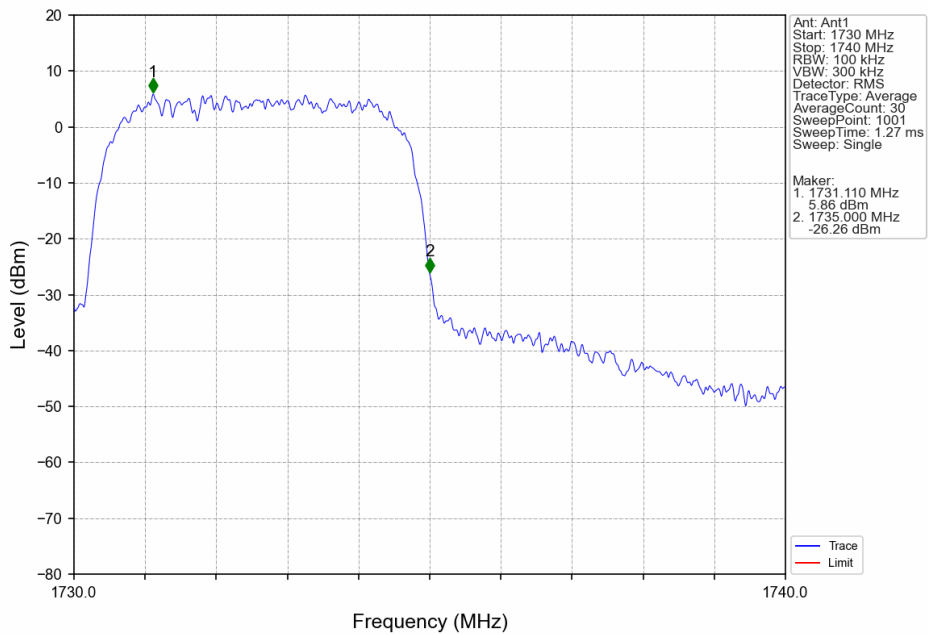




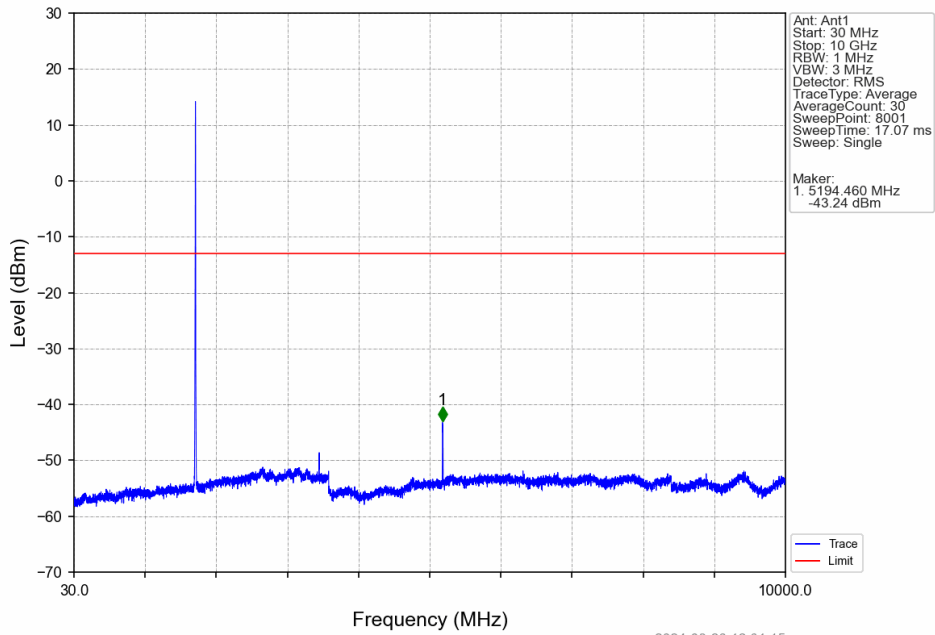
Band4\_RMC\_LCH\_1712.4MHz\_12.2kbps RMC\_NTNV



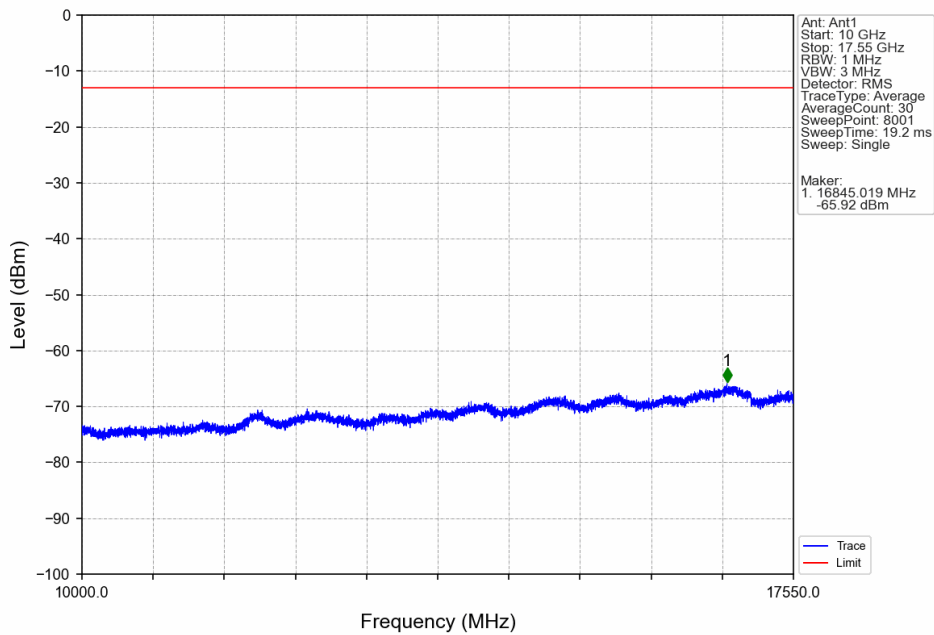
Band4\_RMC\_MCH\_1732.6MHz\_12.2kbps RMC\_NTNV



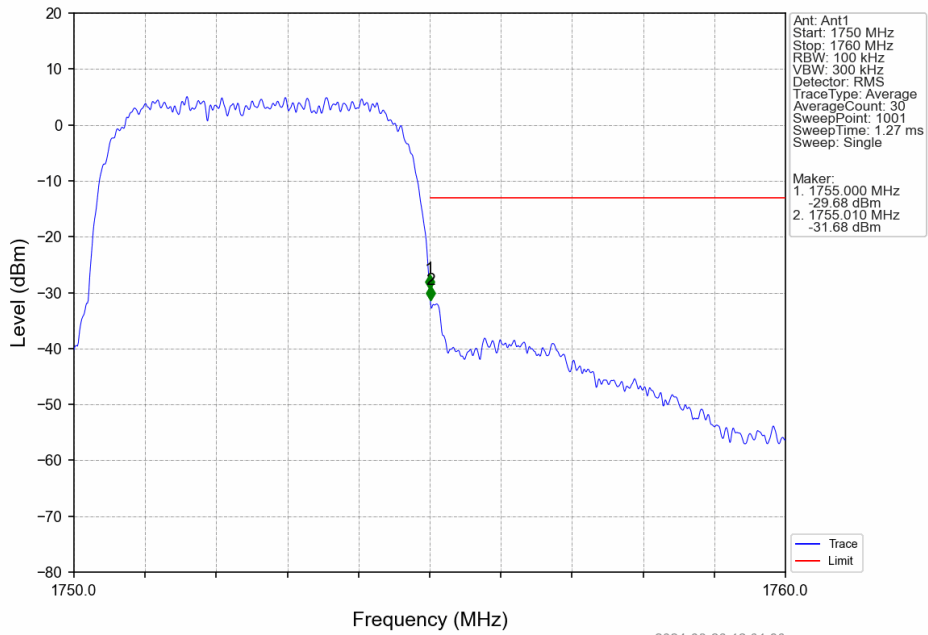
Band4\_RMC\_MCH\_1732.6MHz\_12.2kbps\_RMC\_NTNV



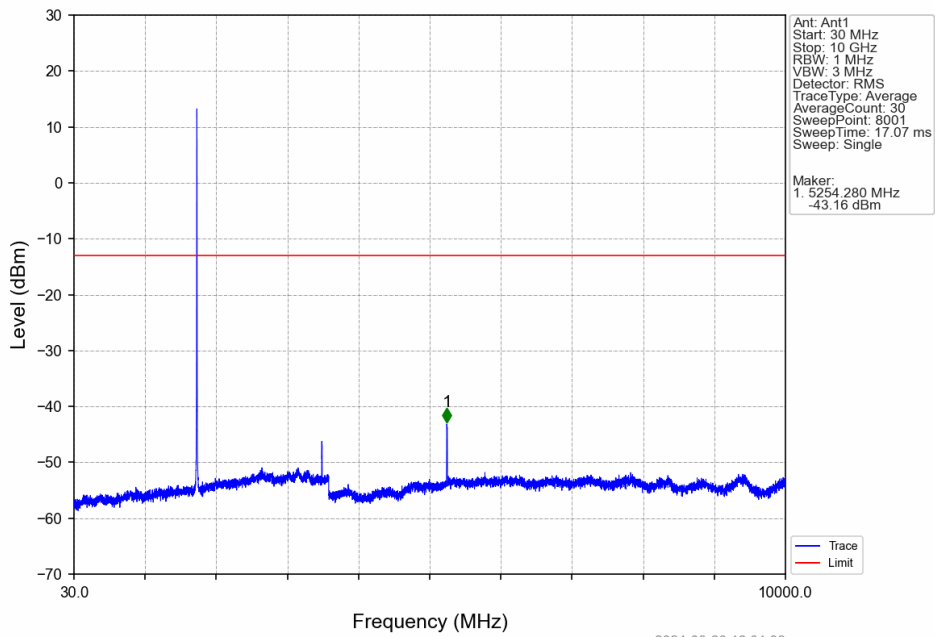
Band4\_RMC\_MCH\_1732.6MHz\_12.2kbps\_RMC\_NTNV



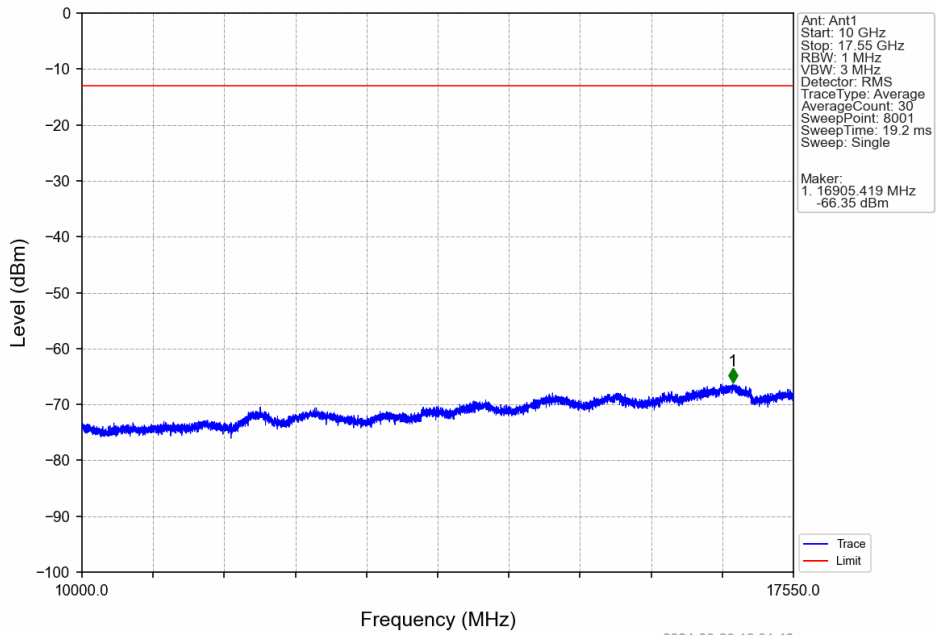
Band4\_RMC\_HCH\_1752.6MHz\_12.2kbps RMC\_NTNV



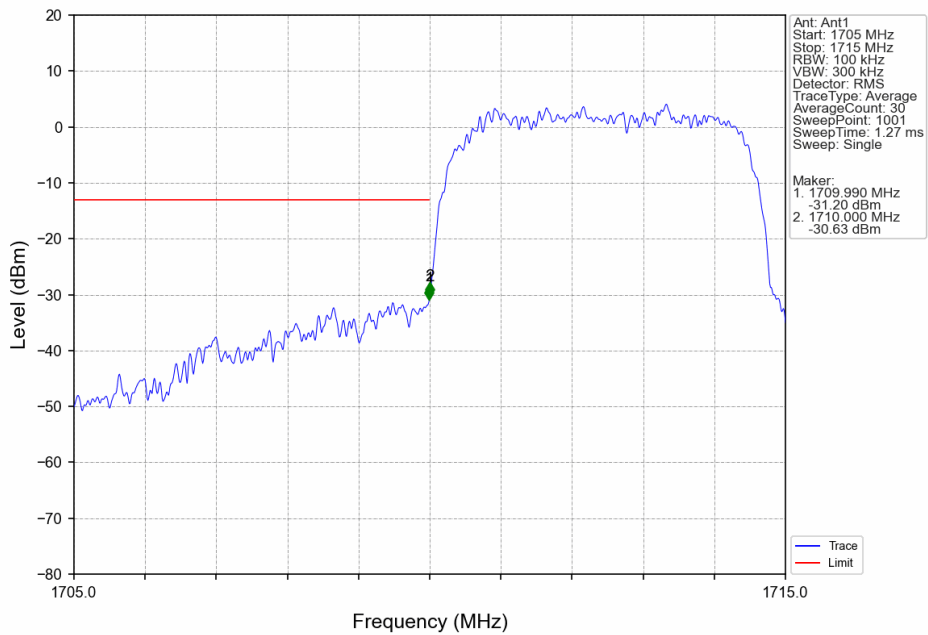
Band4\_RMC\_HCH\_1752.6MHz\_12.2kbps RMC\_NTNV



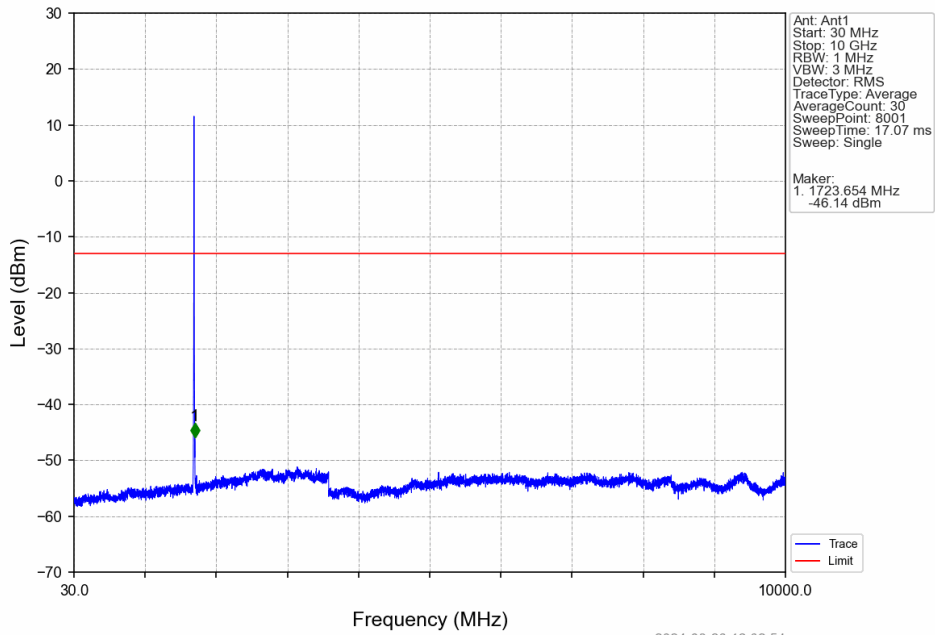
Band4\_RMC\_HCH\_1752.6MHz\_12.2kbps RMC\_NTNV



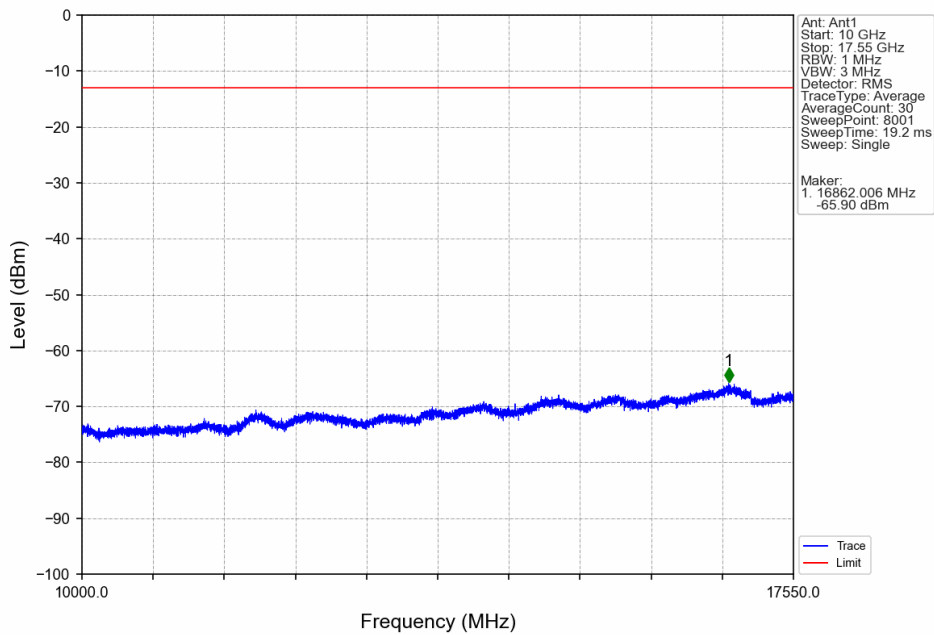
Band4\_HSDPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



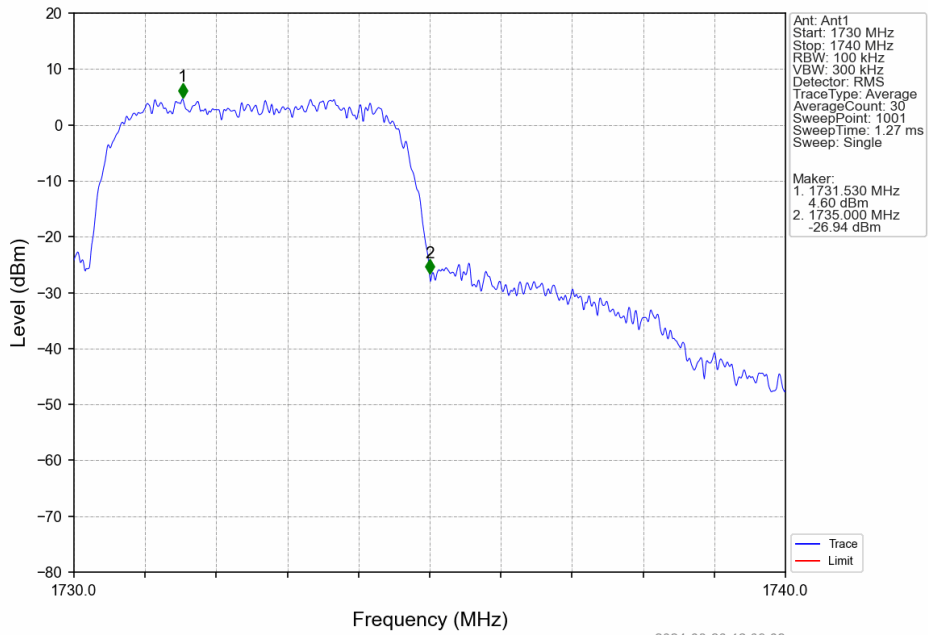
Band4\_HSDPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



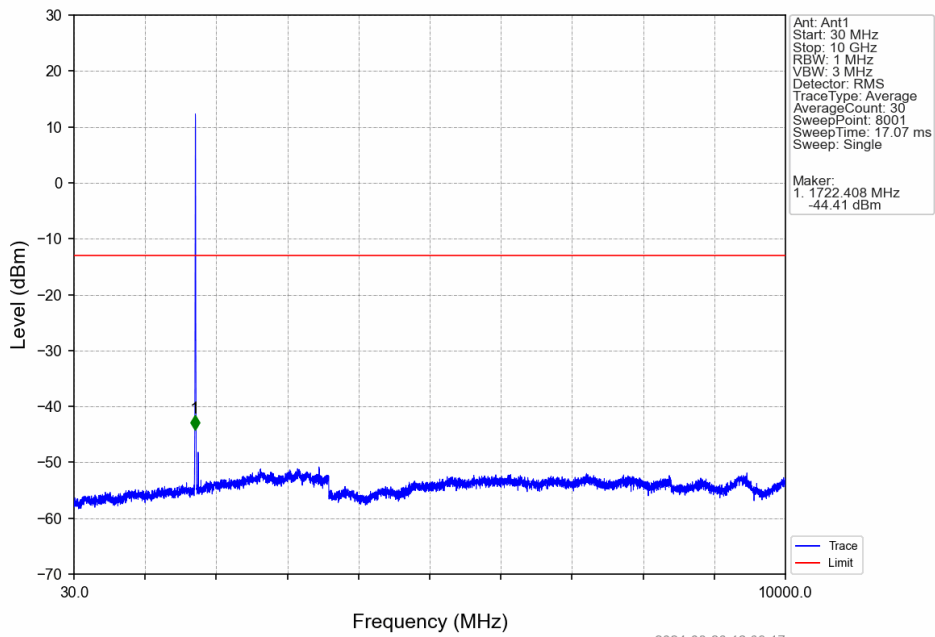
Band4\_HSDPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



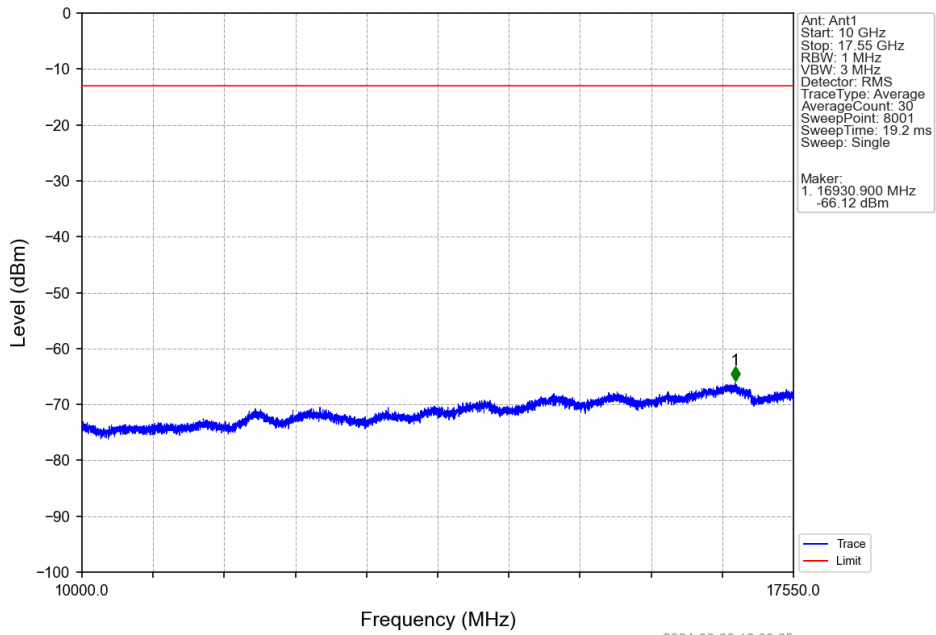
Band4\_HSDPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



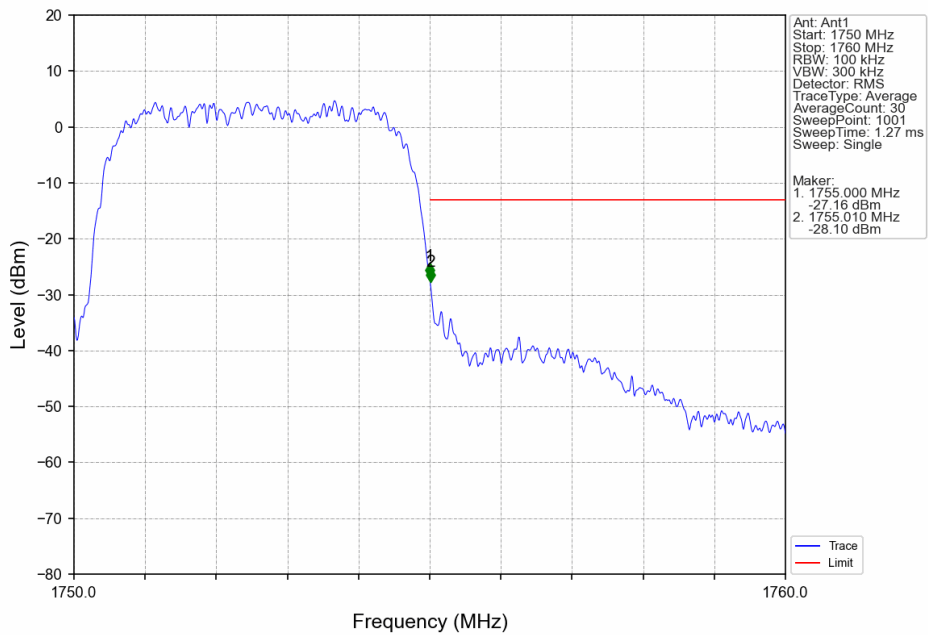
Band4\_HSDPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



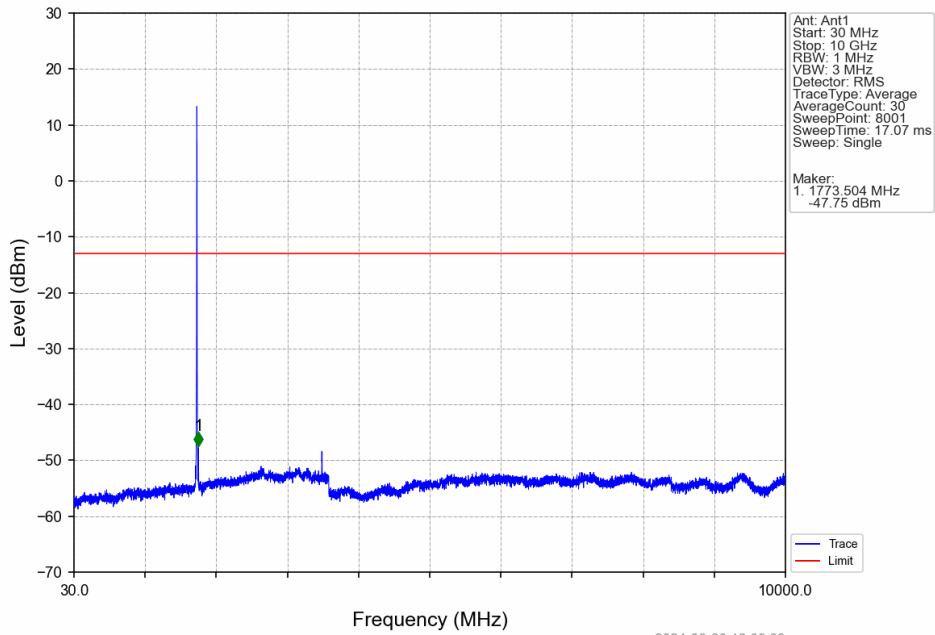
Band4\_HSDPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



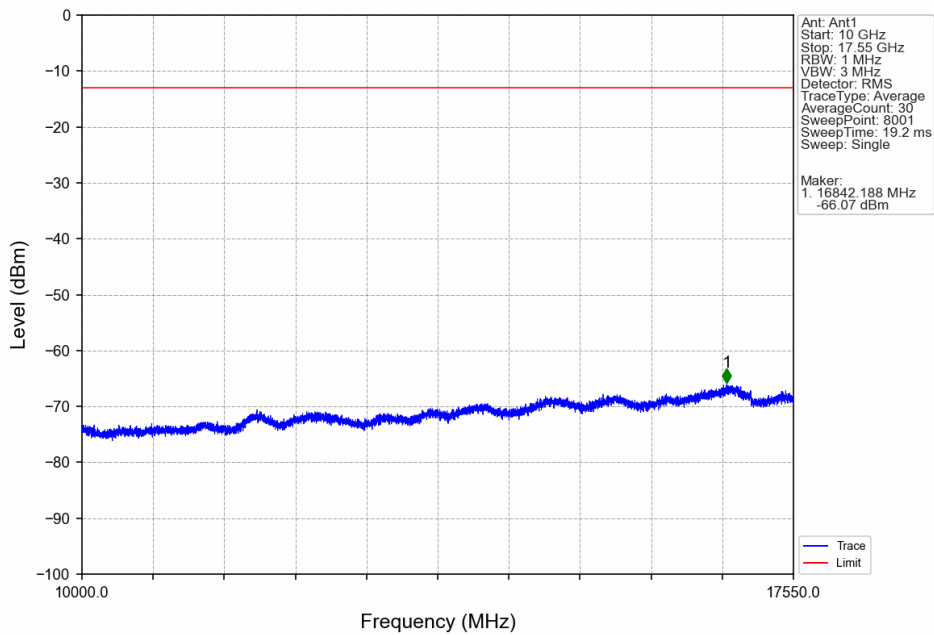
Band4\_HSDPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



Band4\_HSDPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV

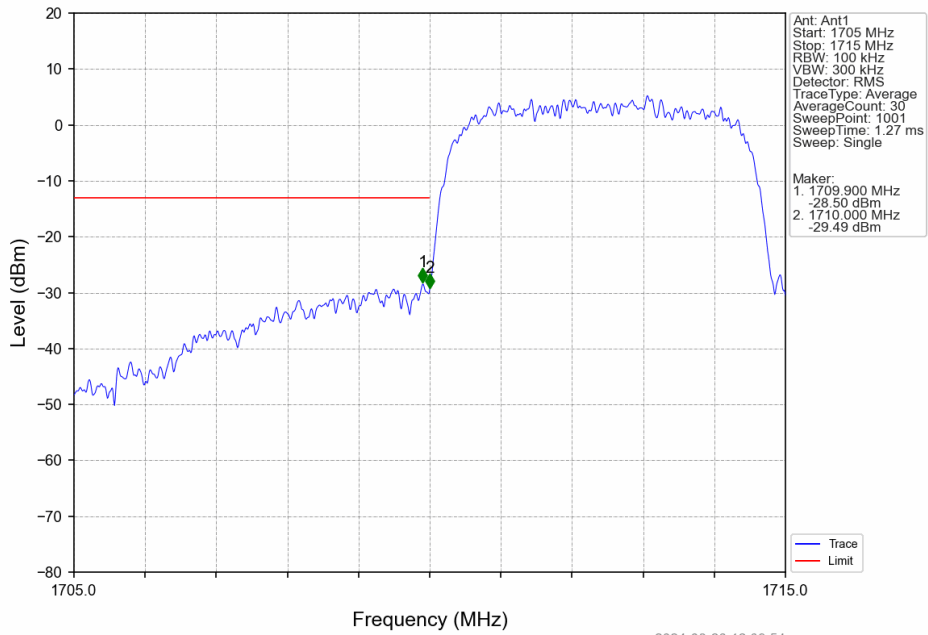


Band4\_HSDPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV

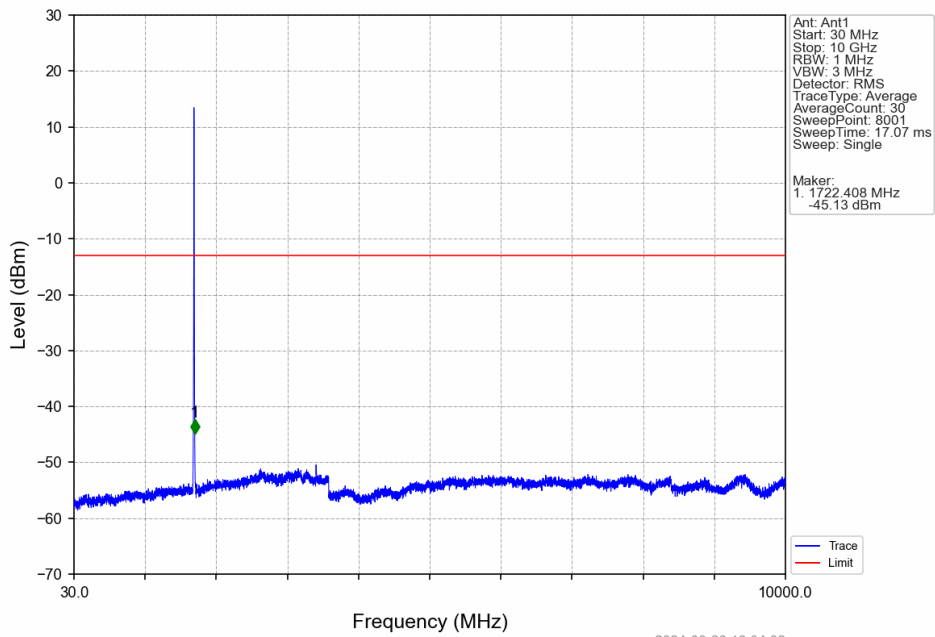




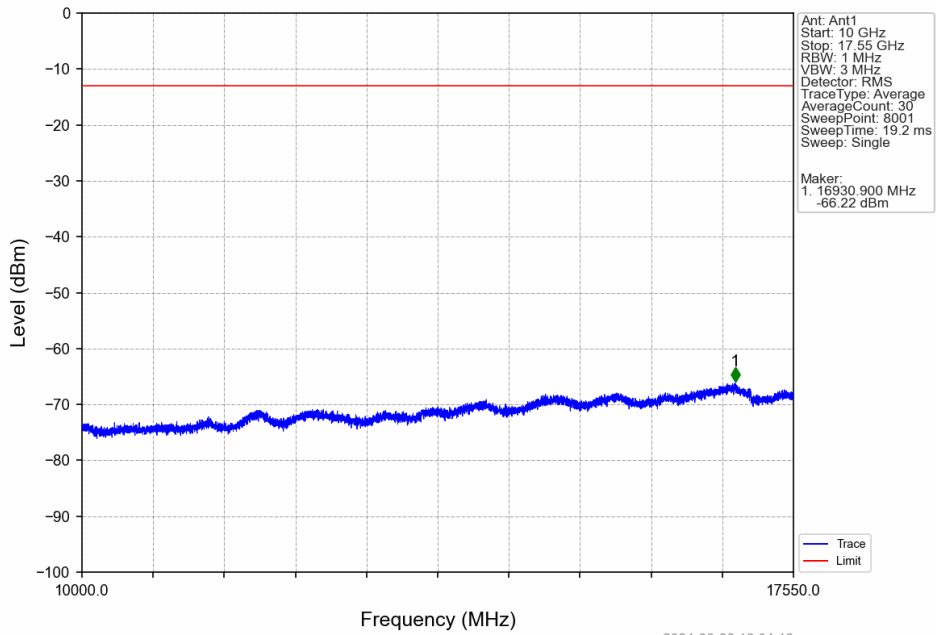
Band4\_HSUPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



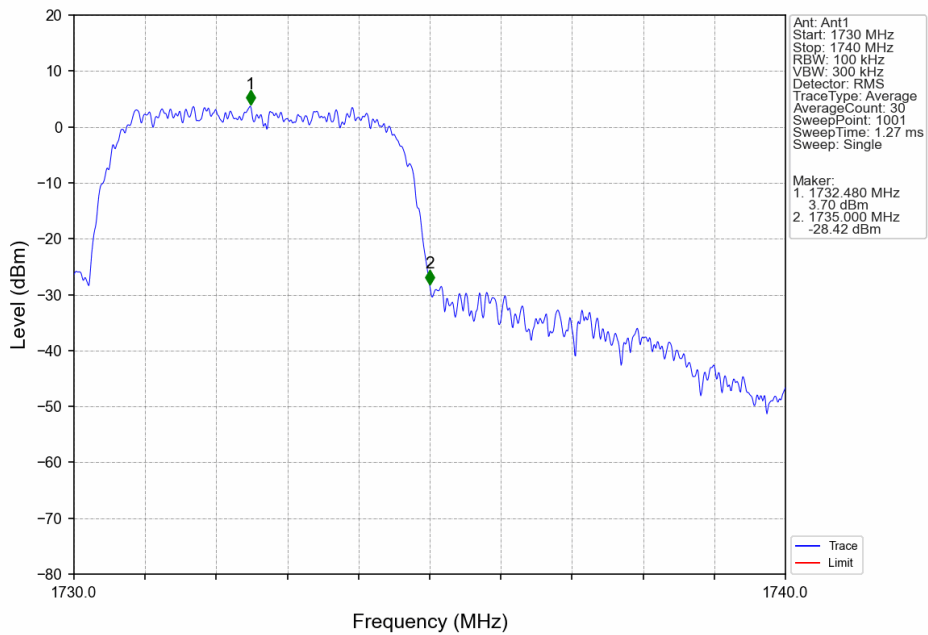
Band4\_HSUPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



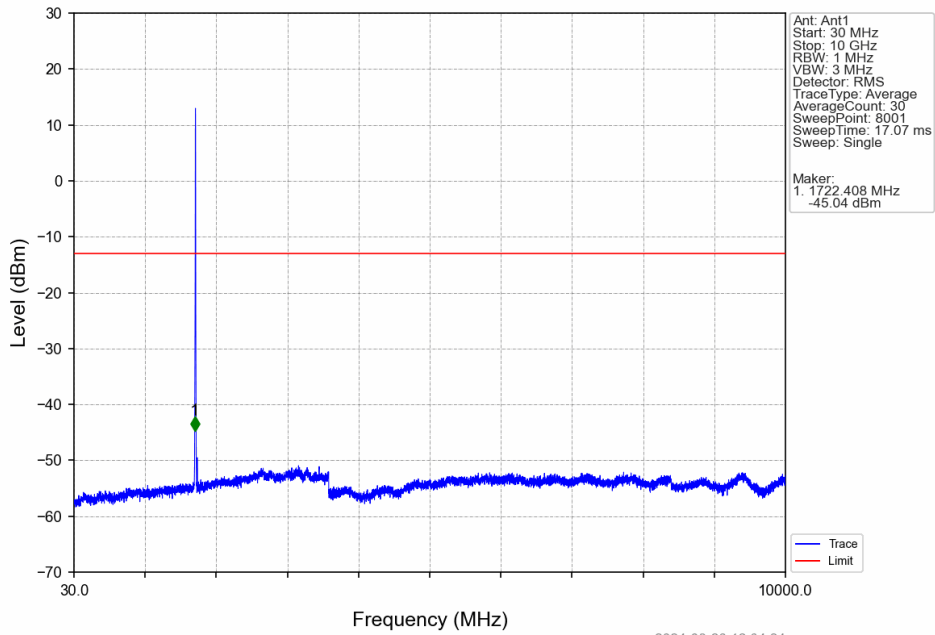
Band4\_HSUPA\_LCH\_1712.4MHz\_Subtest 1\_NTNV



Band4\_HSUPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV

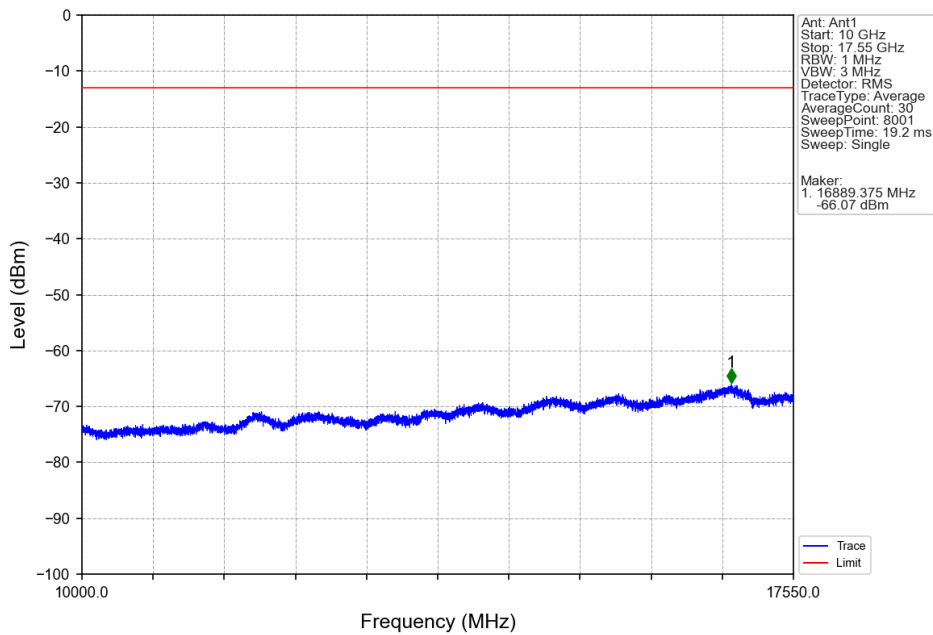


Band4\_HSUPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV



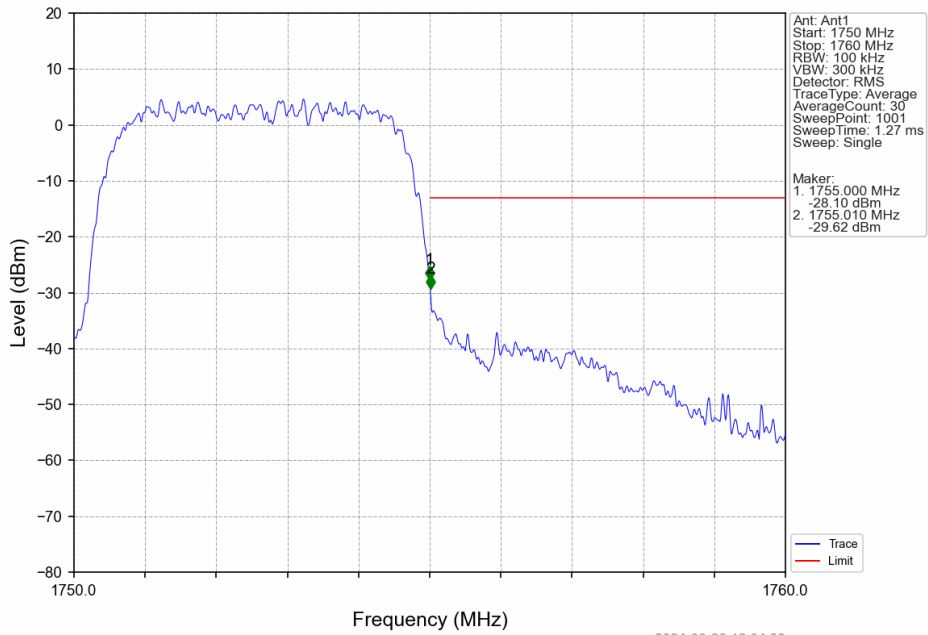
2024-08-28 12:04:24

Band4\_HSUPA\_MCH\_1732.6MHz\_Subtest 1\_NTNV

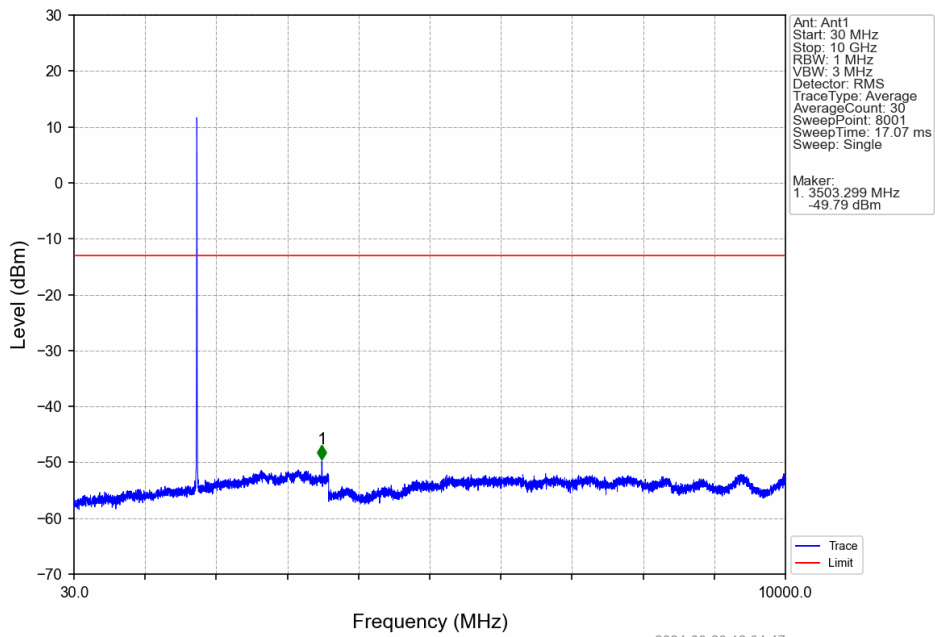


2024-08-28 12:04:32

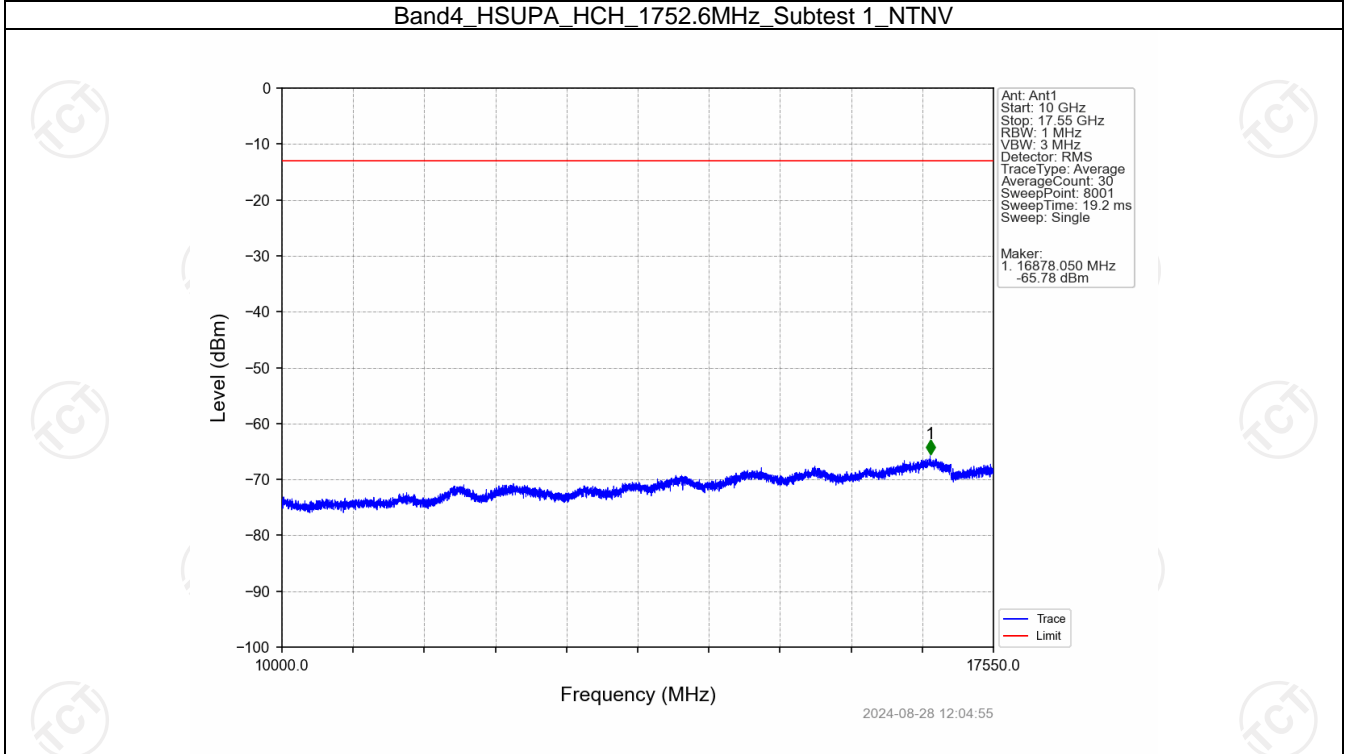
Band4\_HSUPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



Band4\_HSUPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



Band4\_HSUPA\_HCH\_1752.6MHz\_Subtest 1\_NTNV



## 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	0.1102	0.0823	ppm	4M17F9W	27L	20.42

#### 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	0.1276	0.0823	ppm	4M17F9W	27L	21.06