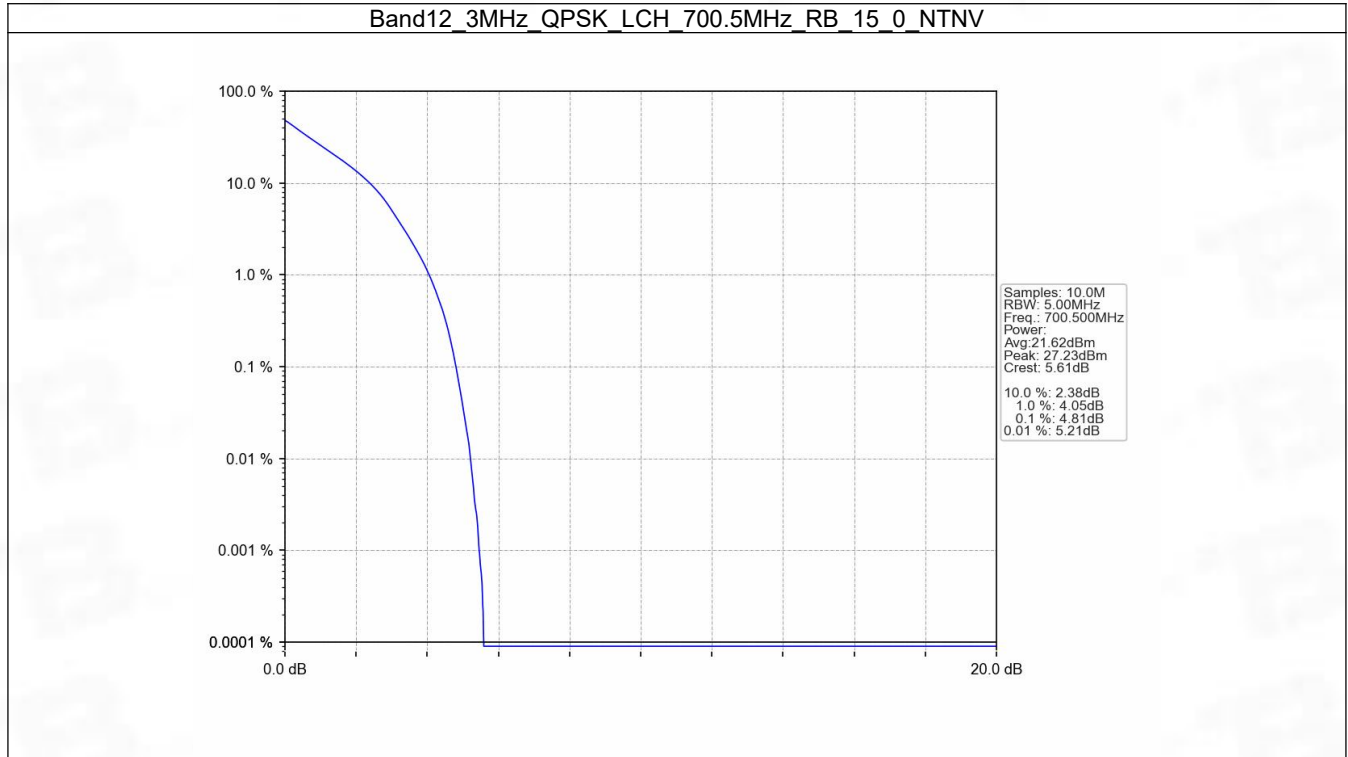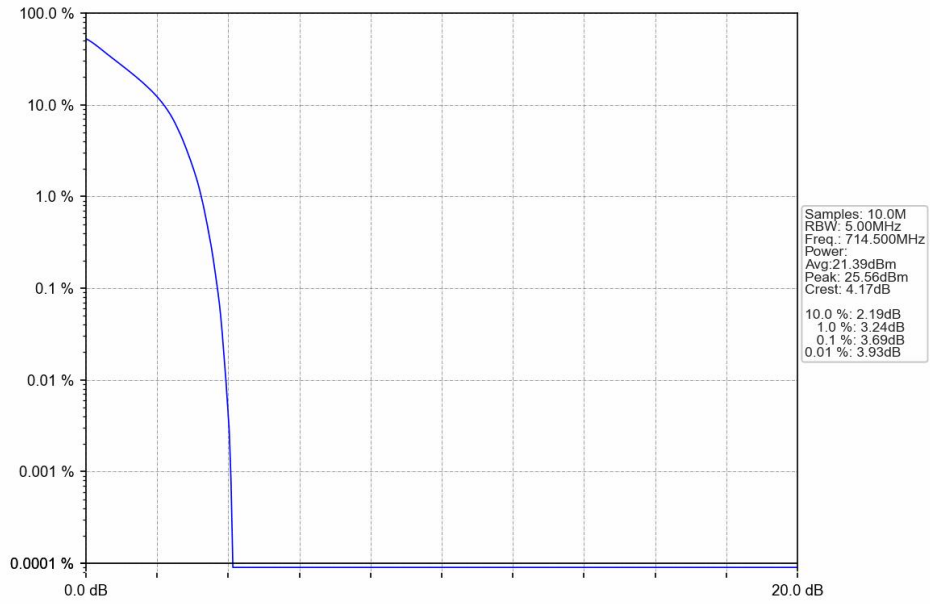## 5.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV


```
Samples: 10.0M
RBW: 5.00MHz
Freq.: 700.500MHz
Power:
Avg:21.62dBm
Peak: 27.23dBm
Crest: 5.61dB

10.0 %: 2.38dB
 1.0 %: 4.05dB
 0.1 %: 4.81dB
0.01 %: 5.21dB
```

Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV


```
Samples: 10.0M
RBW: 5.00MHz
Freq.: 707.500MHz
Power:
Avg:21.49dBm
Peak: 26.43dBm
Crest: 4.94dB

10.0 %: 2.31dB
 1.0 %: 3.76dB
 0.1 %: 4.37dB
0.01 %: 4.68dB
```

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV


```
Samples: 10.0M
RBW: 5.00MHz
Freq.: 714.500MHz
Power:
Avg:21.39dBm
Peak: 25.56dBm
Crest: 4.17dB

10.0 %: 2.19dB
 1.0 %: 3.24dB
 0.1 %: 3.69dB
0.01 %: 3.93dB
```

Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV


```
Samples: 10.0M
RBW: 5.00MHz
Freq.: 700.500MHz
Power:
Avg:20.60dBm
Peak: 26.99dBm
Crest: 6.39dB

10.0 %: 2.84dB
 1.0 %: 4.68dB
 0.1 %: 5.64dB
0.01 %: 6.06dB
```

Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

Samples: 10.0M
RBW: 5.00MHz
Freq.: 707.500MHz
Power:
Avg:20.28dBm
Peak: 26.40dBm
Crest: 6.12dB

10.0 %: 2.83dB
 1.0 %: 4.57dB
 0.1 %: 5.34dB
0.01 %: 5.76dB

Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

Samples: 10.0M
RBW: 5.00MHz
Freq.: 714.500MHz
Power:
Avg:20.29dBm
Peak: 25.48dBm
Crest: 5.19dB

10.0 %: 2.76dB
 1.0 %: 4.08dB
 0.1 %: 4.65dB
0.01 %: 4.94dB

5.3 B12_5MHz

5.3.1 Test Result

Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.00	<=13	Pass
	707.5	25	0	4.92	<=13	Pass
	713.5	25	0	4.59	<=13	Pass
16QAM	701.5	25	0	5.92	<=13	Pass
	707.5	25	0	5.63	<=13	Pass
	713.5	25	0	5.34	<=13	Pass

Band: 12 / Bandwidth: 5MHz / NTNV

5.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

Samples: 10.0M
RBW: 5.00MHz
Freq.: 701.500MHz
Power:
Avg:21.64dBm
Peak: 27.61dBm
Crest: 5.97dB

10.0 %: 2.32dB
 1.0 %: 4.10dB
 0.1 %: 5.00dB
0.01 %: 5.48dB

Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

Samples: 10.0M
RBW: 5.00MHz
Freq.: 707.500MHz
Power:
Avg:21.35dBm
Peak: 27.66dBm
Crest: 6.31dB

10.0 %: 2.30dB
 1.0 %: 4.03dB
 0.1 %: 4.92dB
0.01 %: 5.39dB

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV


```
Samples: 10.0M
RBW: 5.00MHz
Freq.: 713.500MHz
Power:
Avg:21.43dBm
Peak: 26.88dBm
Crest: 5.45dB

10.0 %: 2.26dB
 1.0 %: 3.81dB
 0.1 %: 4.59dB
0.01 %: 5.03dB
```

Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV


```
Samples: 10.0M
RBW: 5.00MHz
Freq.: 701.500MHz
Power:
Avg:20.12dBm
Peak: 27.36dBm
Crest: 7.24dB

10.0 %: 2.80dB
 1.0 %: 4.80dB
 0.1 %: 5.92dB
0.01 %: 6.61dB
```

Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

Samples: 10.0M
RBW: 5.00MHz
Freq.: 707.500MHz
Power:
Avg:20.30dBm
Peak: 27.26dBm
Crest: 6.96dB

10.0 %: 2.79dB
 1.0 %: 4.66dB
 0.1 %: 5.63dB
0.01 %: 6.17dB

Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

Samples: 10.0M
RBW: 5.00MHz
Freq.: 713.500MHz
Power:
Avg:20.37dBm
Peak: 26.94dBm
Crest: 6.57dB

10.0 %: 2.79dB
 1.0 %: 4.47dB
 0.1 %: 5.34dB
0.01 %: 5.86dB

5.4 B12_10MHz

5.4.1 Test Result

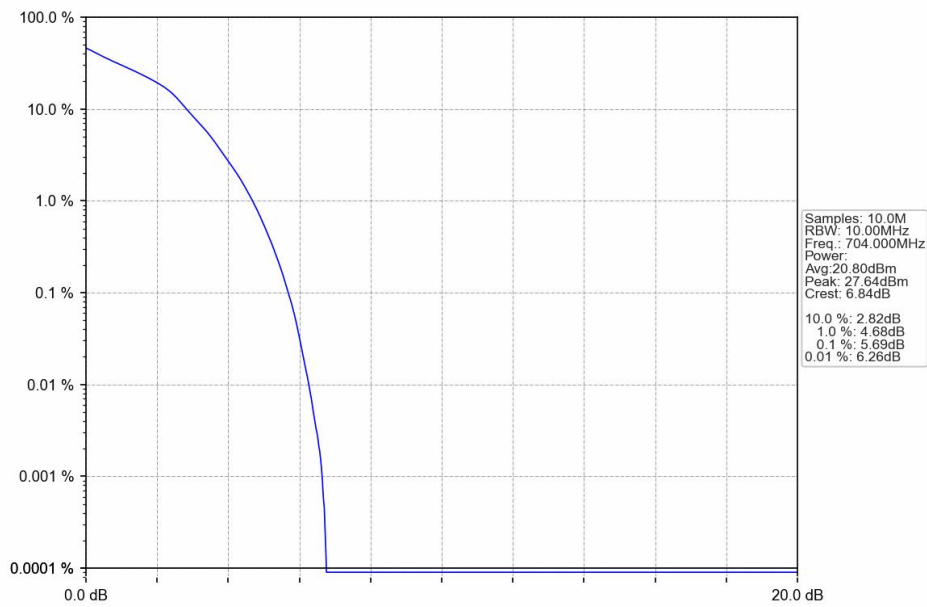| Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
	Band: 12 / Bandwidth: 10MHz / NTNV					
QPSK	704	50	0	4.94	<=13	Pass
	707.5	50	0	4.85	<=13	Pass
	711	50	0	4.58	<=13	Pass
16QAM	704	50	0	5.69	<=13	Pass
	707.5	50	0	5.63	<=13	Pass
	711	50	0	5.55	<=13	Pass

5.4.2 Test Graph

Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

Samples: 10.0M
RBW: 10.00MHz
Freq.: 704.000MHz
Power:
Avg:21.87dBm
Peak: 28.13dBm
Crest: 6.26dB

10.0 %: 2.26dB
 1.0 %: 4.05dB
 0.1 %: 4.94dB
0.01 %: 5.46dB

Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

Samples: 10.0M
RBW: 10.00MHz
Freq.: 707.500MHz
Power:
Avg:21.86dBm
Peak: 27.85dBm
Crest: 5.99dB

10.0 %: 2.22dB
 1.0 %: 3.97dB
 0.1 %: 4.85dB
0.01 %: 5.34dB
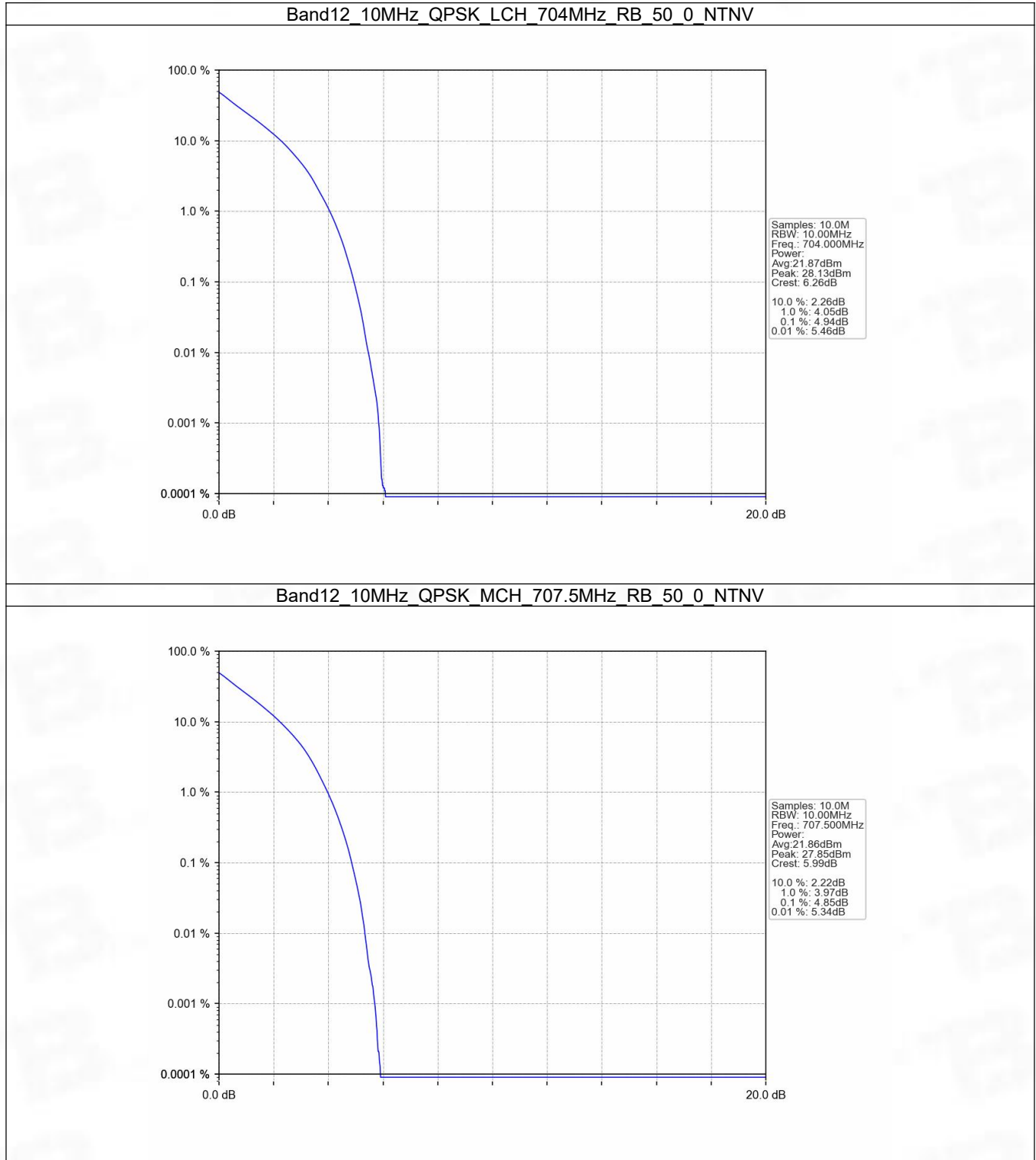
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

Samples: 10.0M
RBW: 10.00MHz
Freq.: 711.000MHz
Power:
Avg:21.90dBm
Peak: 27.40dBm
Crest: 5.50dB

10.0 %: 2.22dB
1.0 %: 3.83dB
0.1 %: 4.58dB
0.01 %: 5.04dB
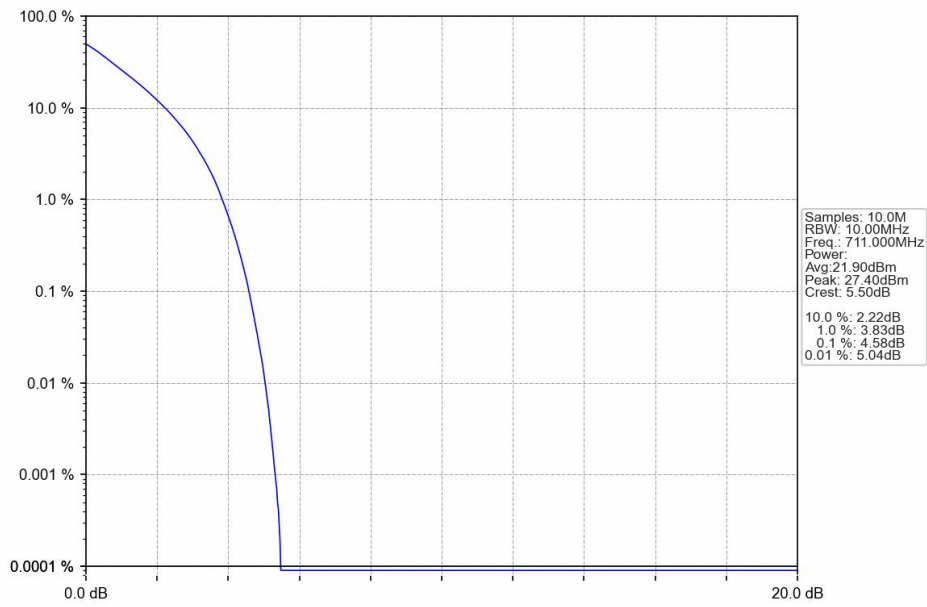
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV

Samples: 10.0M
RBW: 10.00MHz
Freq.: 704.000MHz
Power:
Avg:20.80dBm
Peak: 27.64dBm
Crest: 6.84dB

10.0 %: 2.82dB
1.0 %: 4.68dB
0.1 %: 5.69dB
0.01 %: 6.26dB

Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV


```
Samples: 10.0M
RBW: 10.00MHz
Freq.: 707.500MHz
Power:
Avg:20.81dBm
Peak: 27.54dBm
Crest: 6.73dB

10.0 %: 2.80dB
 1.0 %: 4.64dB
 0.1 %: 5.63dB
0.01 %: 6.20dB
```
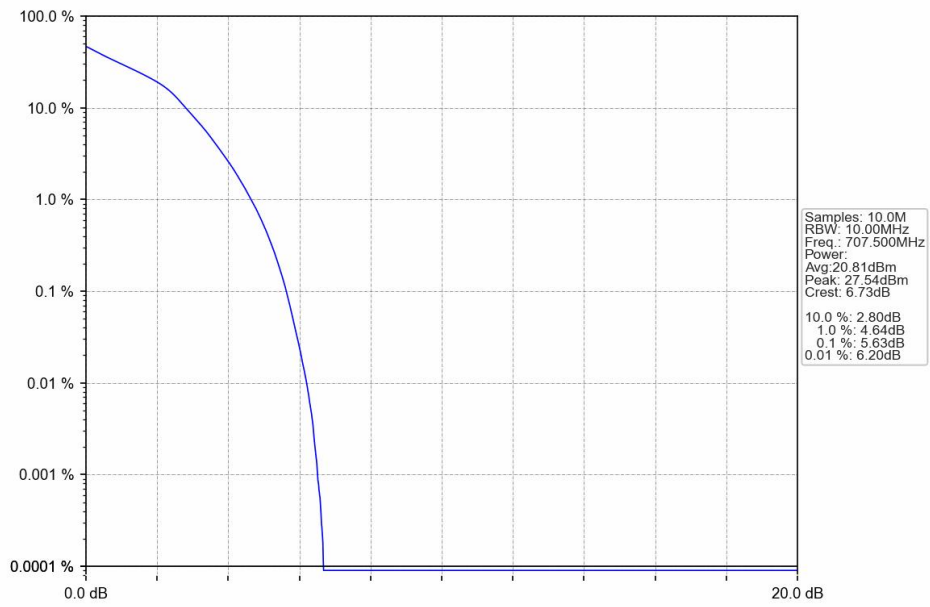
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV


```
Samples: 10.0M
RBW: 10.00MHz
Freq.: 711.000MHz
Power:
Avg:20.54dBm
Peak: 27.26dBm
Crest: 6.72dB

10.0 %: 2.84dB
 1.0 %: 4.62dB
 0.1 %: 5.55dB
0.01 %: 6.15dB
```
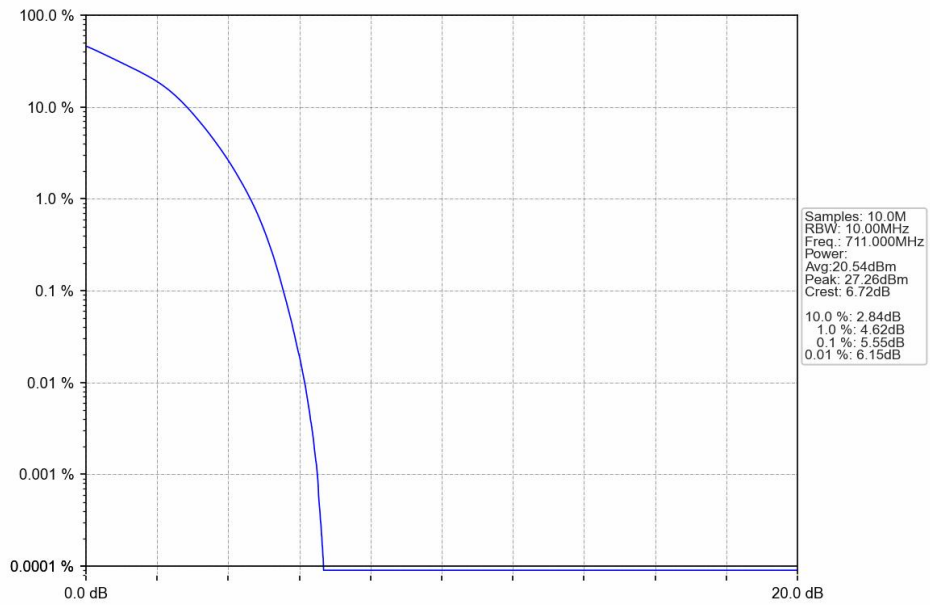
6. Spurious Emission

6.1 B12_1.4MHz

6.1.1 Test Result

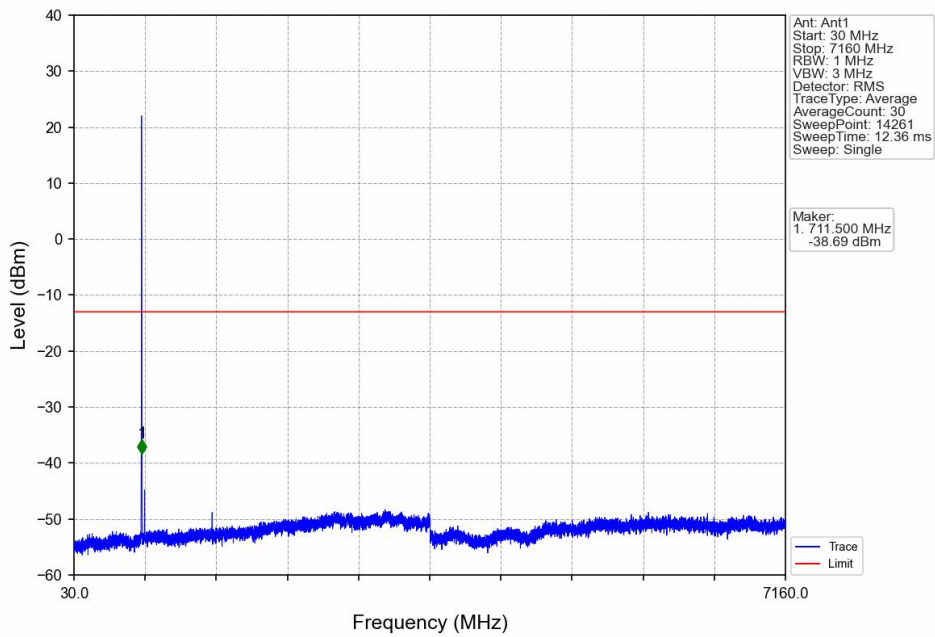| Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

<p style="text-align:center">Band: 12 / Bandwidth: 1.4MHz / NTNV</p>

6.1.2 Test Graph

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

Ant: Ant1
Start: 697.5 MHz
Stop: 700.5 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
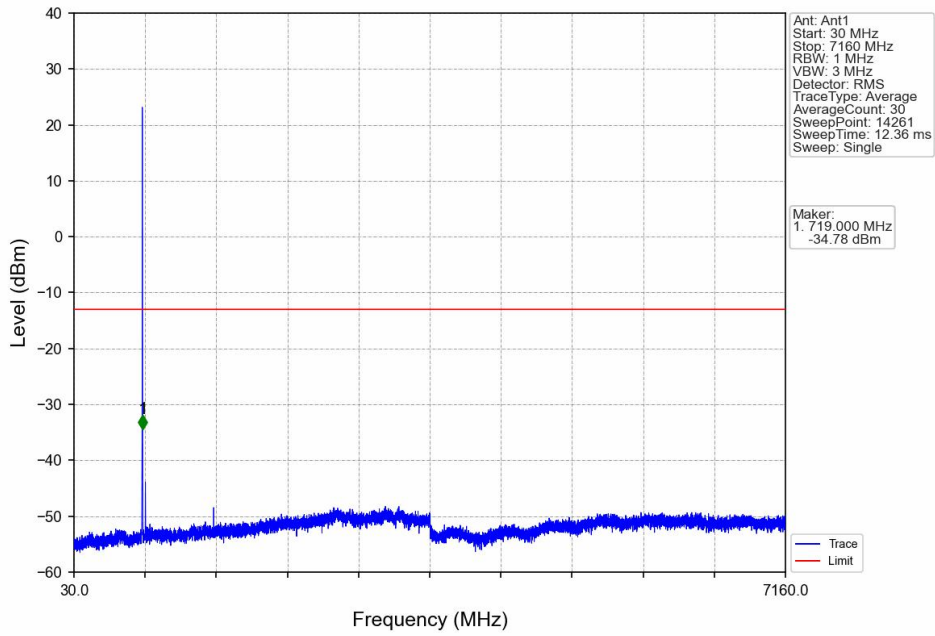AverageCount: 30
SweepPoint: 1001
SweepTime: 4.13 ms
Sweep: Single

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.892	-36.57	-13	Pass
698.9	699	0.03	/	2	699.000	-20.83	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 703.500 MHz
   -36.79 dBm

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

Ant: Ant1
Start: 697.5 MHz
Stop: 700.5 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 4.13 ms
Sweep: Single

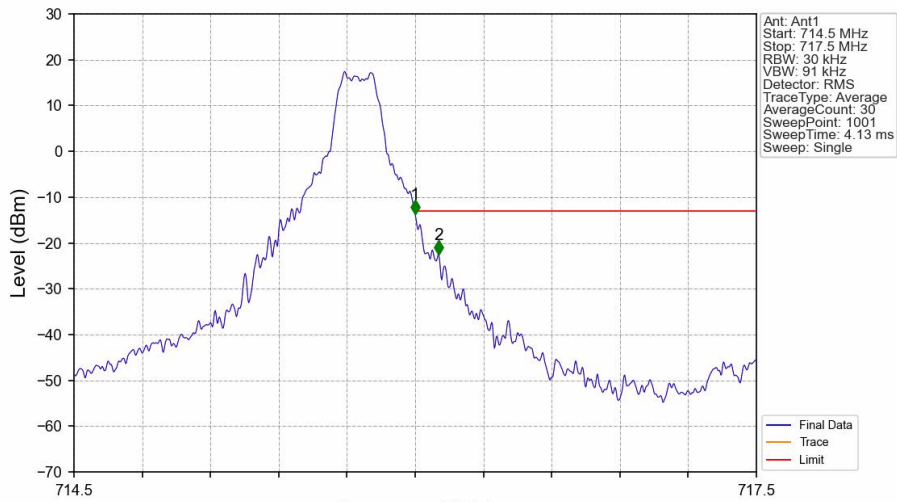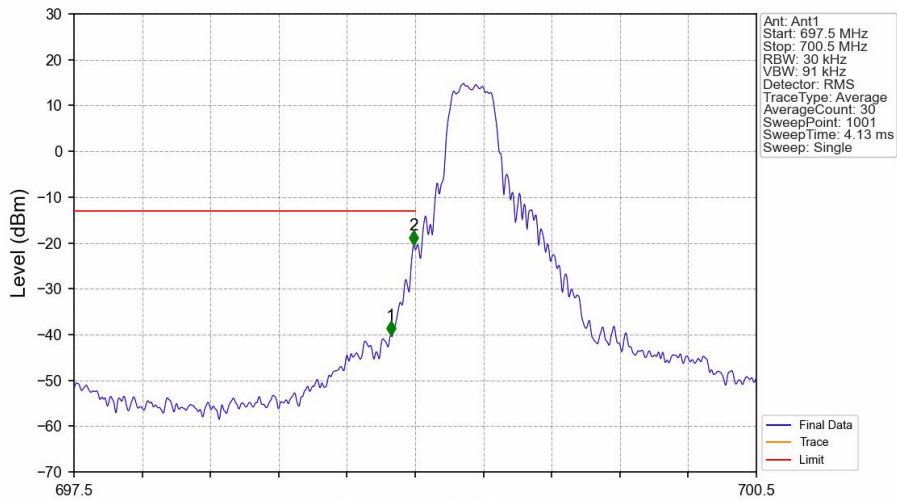| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.736	-31.74	-13	Pass
698.9	699	0.03	/	2	698.991	-27.71	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 711.500 MHz
   -38.69 dBm

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 719.000 MHz
   -34.78 dBm

Level (dBm) vs Frequency (MHz)

Trace
Limit

Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV

Ant: Ant1
Start: 714.5 MHz
Stop: 717.5 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 4.13 ms
Sweep: Single

Final Data
Trace
Limit

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-13.76	-13	Pass
716.1	717.5	0.1	/	2	716.102	-22.53	-13	Pass

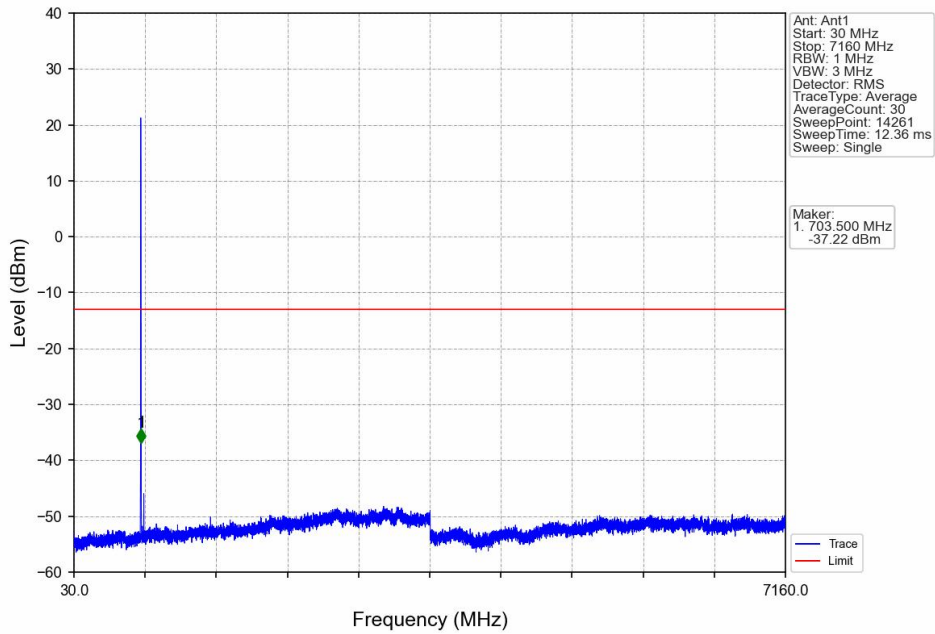## Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV
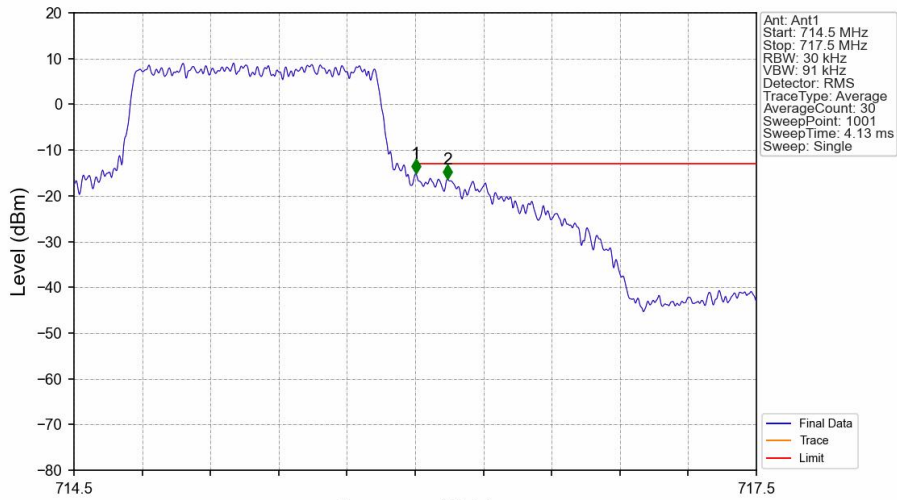
Ant: Ant1
Start: 714.5 MHz
Stop: 717.5 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 4.13 ms
Sweep: Single

Final Data
Trace
Limit

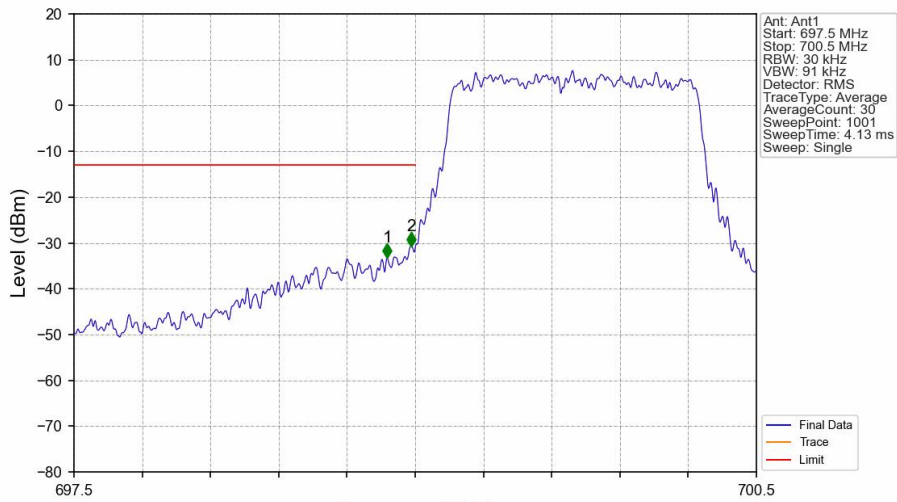| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.003	-15.14	-13	Pass
716.1	717.5	0.1	/	2	716.141	-16.36	-13	Pass

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

Ant: Ant1
Start: 697.5 MHz
Stop: 700.5 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 4.13 ms
Sweep: Single

Final Data
Trace
Limit

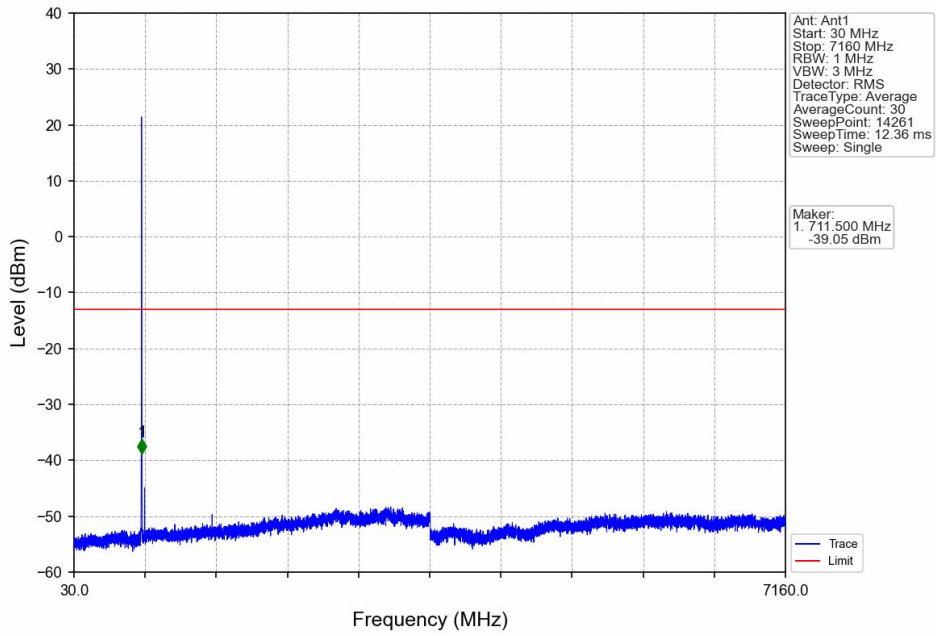| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.892	-40.14	-13	Pass
698.9	699	0.03	/	2	698.994	-20.48	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 703.500 MHz
   -37.22 dBm

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

Ant: Ant1
Start: 697.5 MHz
Stop: 700.5 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
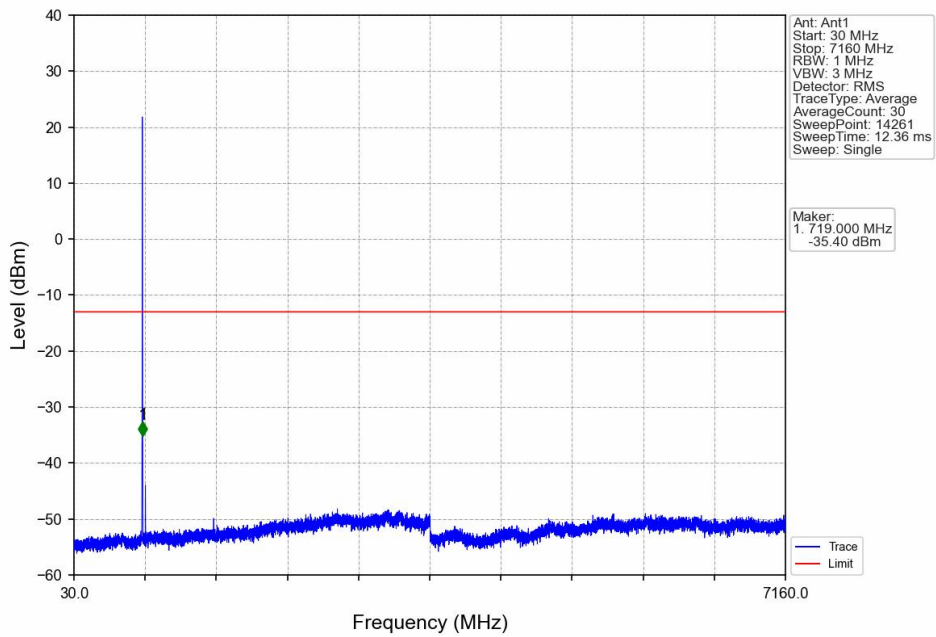AverageCount: 30
SweepPoint: 1001
SweepTime: 4.13 ms
Sweep: Single

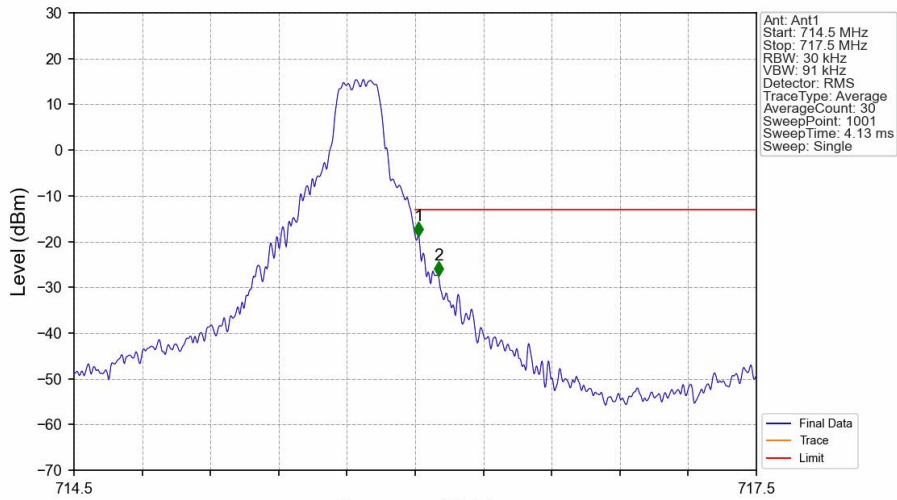| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
697.5	698.9	0.1	/	1	698.877	-33.18	-13	Pass
698.9	699	0.03	/	2	698.982	-30.71	-13	Pass
699	700.5	0.03	/	/	/	/	/	/

Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 711.500 MHz
   -39.05 dBm

Trace
Limit

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 719.000 MHz
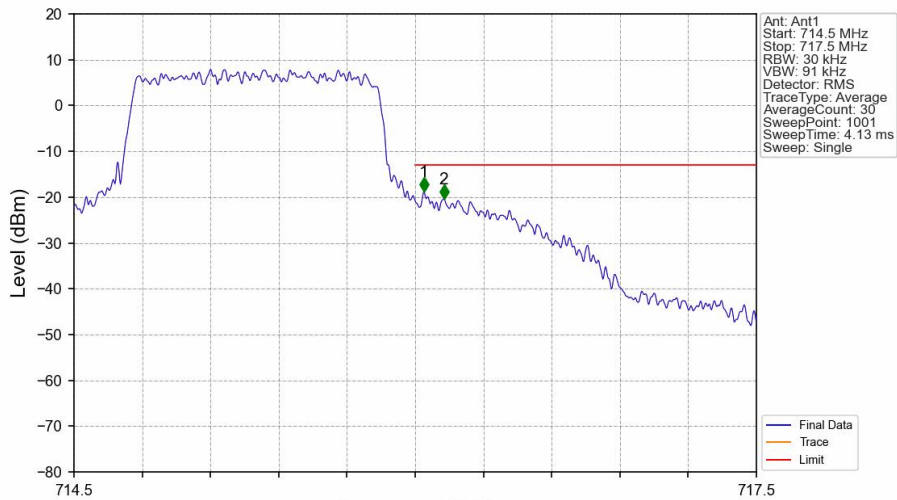   -35.40 dBm

Trace
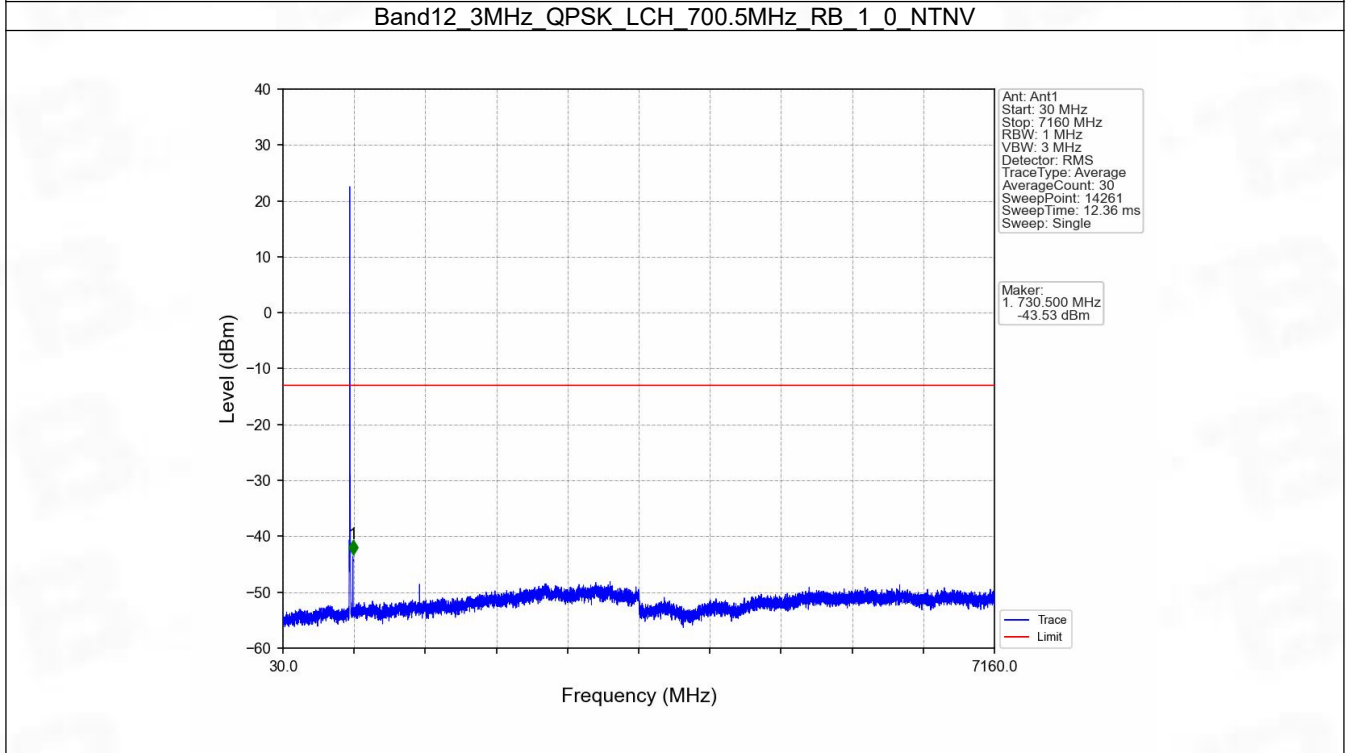Limit

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV

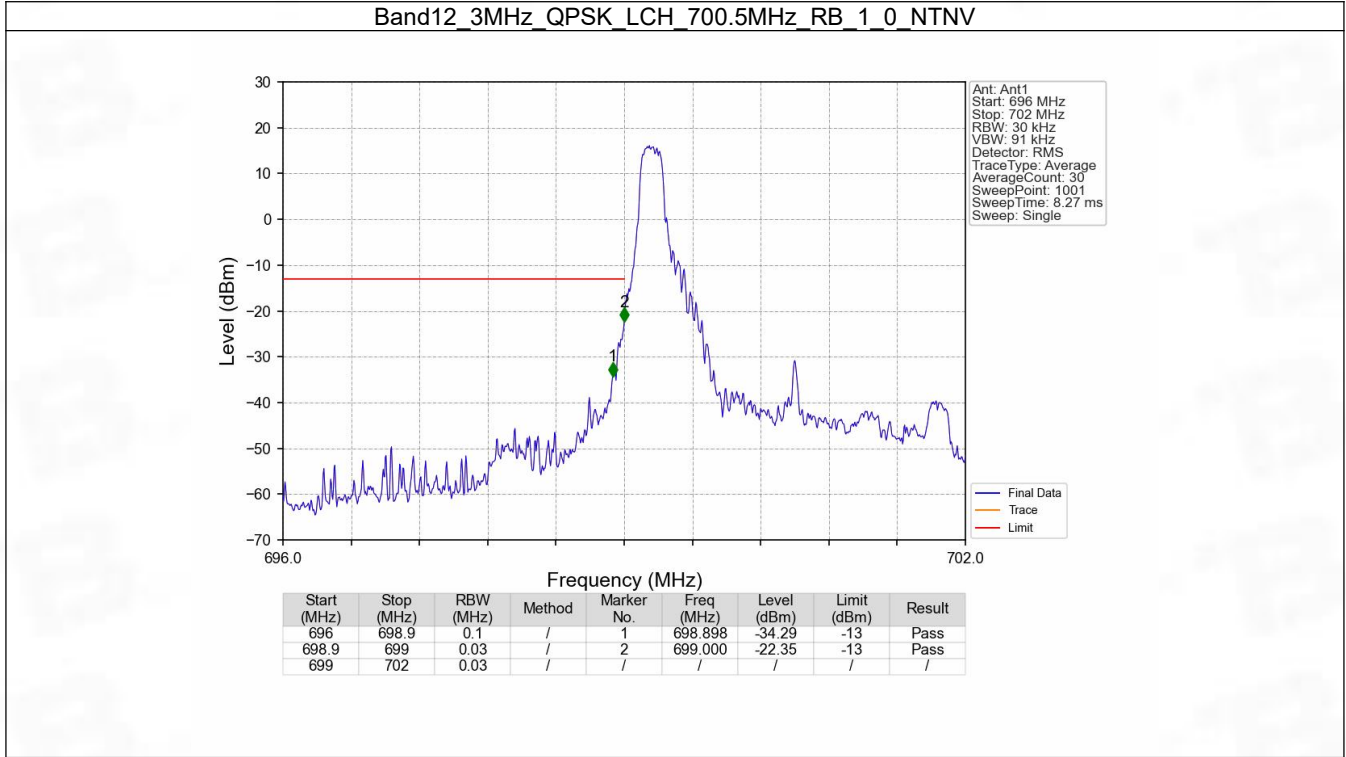| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.015	-18.79	-13	Pass
716.1	717.5	0.1	/	2	716.102	-27.44	-13	Pass

Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

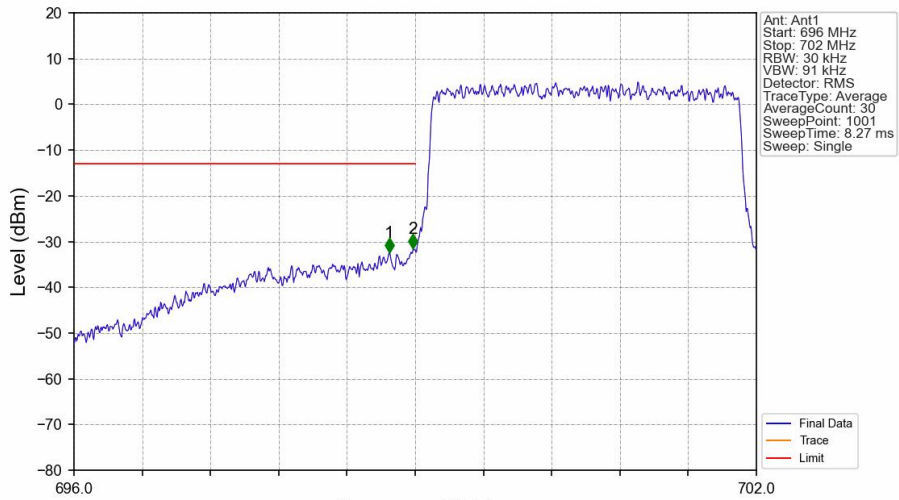| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
714.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.039	-18.83	-13	Pass
716.1	717.5	0.1	/	2	716.126	-20.38	-13	Pass

6.2 B12_3MHz

6.2.1 Test Result

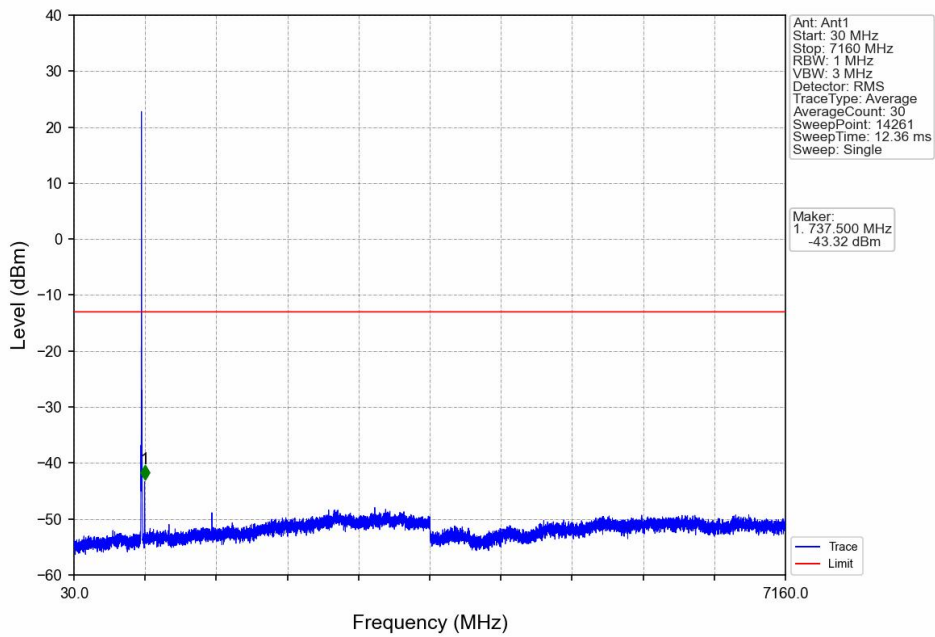| Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.2.2 Test Graph

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 696 MHz
Stop: 702 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
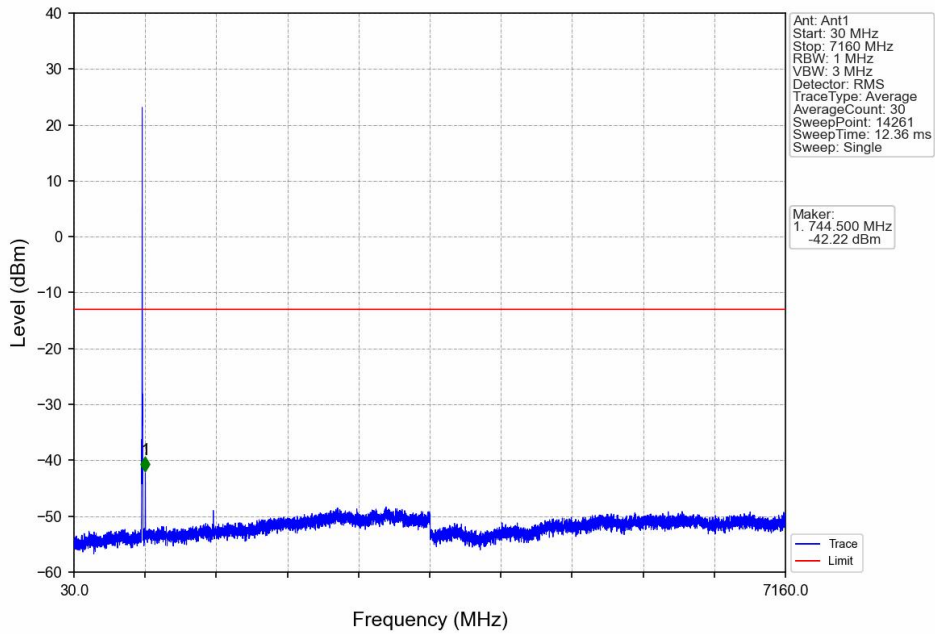SweepTime: 8.27 ms
Sweep: Single

Final Data
Trace
Limit

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	/	1	698.898	-34.29	-13	Pass
698.9	699	0.03	/	2	699.000	-22.35	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 730.500 MHz
   -43.53 dBm

Trace
Limit

Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

Ant: Ant1
Start: 696 MHz
Stop: 702 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 8.27 ms
Sweep: Single

Final Data
Trace
Limit

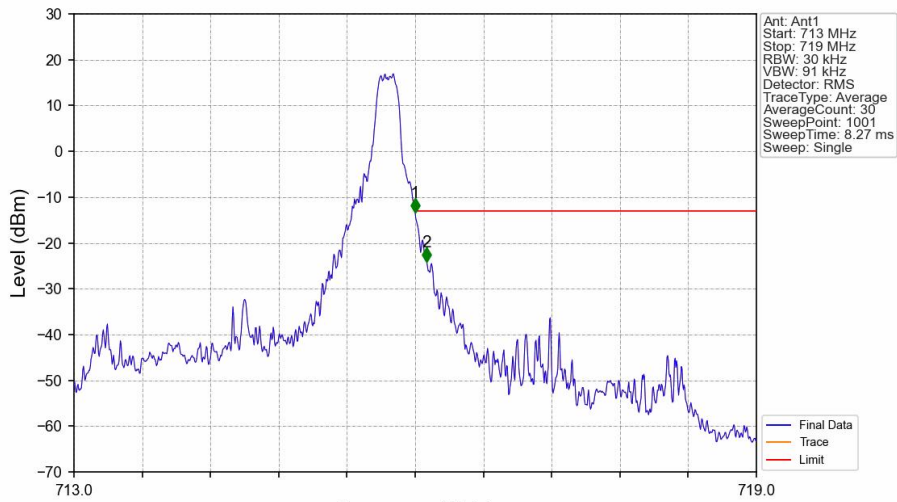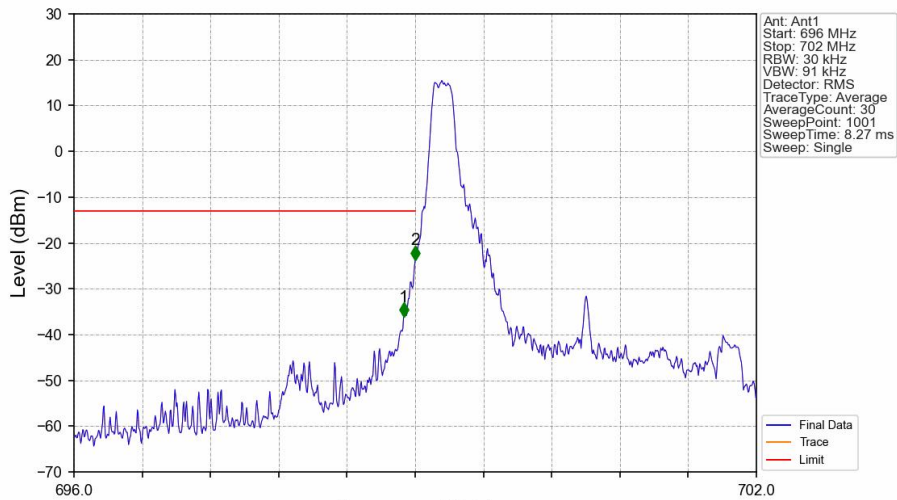| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	/	1	698.772	-32.34	-13	Pass
698.9	699	0.03	/	2	698.982	-31.55	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 737.500 MHz
   -43.32 dBm

Trace
Limit

Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 744.500 MHz
   -42.22 dBm

Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV

Ant: Ant1
Start: 713 MHz
Stop: 719 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 8.27 ms
Sweep: Single

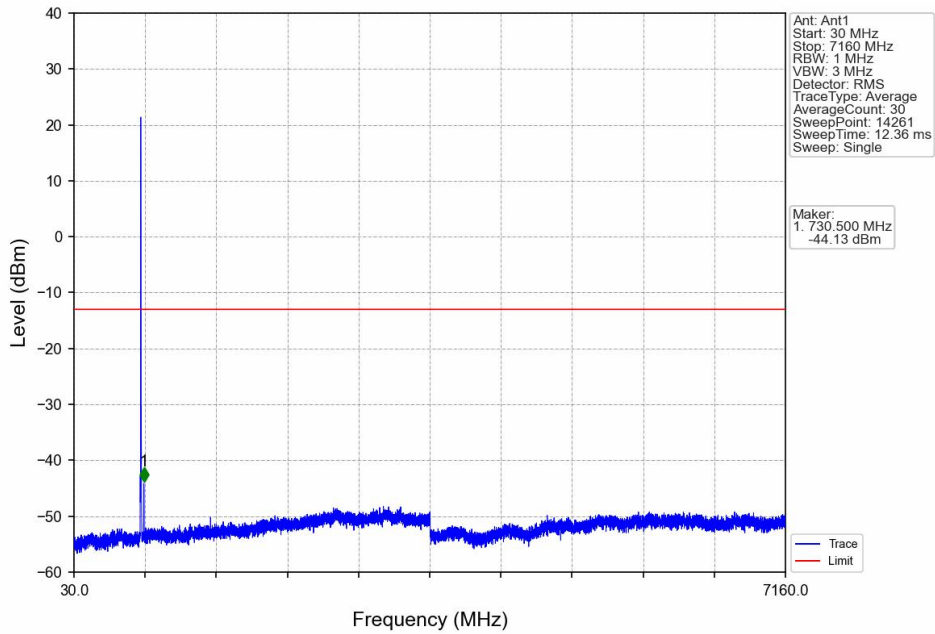| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
			/				/	/
713	716	0.03	/				/	/
716	716.1	0.03	/	1	716.000	-13.40	-13	Pass
716.1	719	0.1	/	2	716.102	-24.12	-13	Pass

Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV
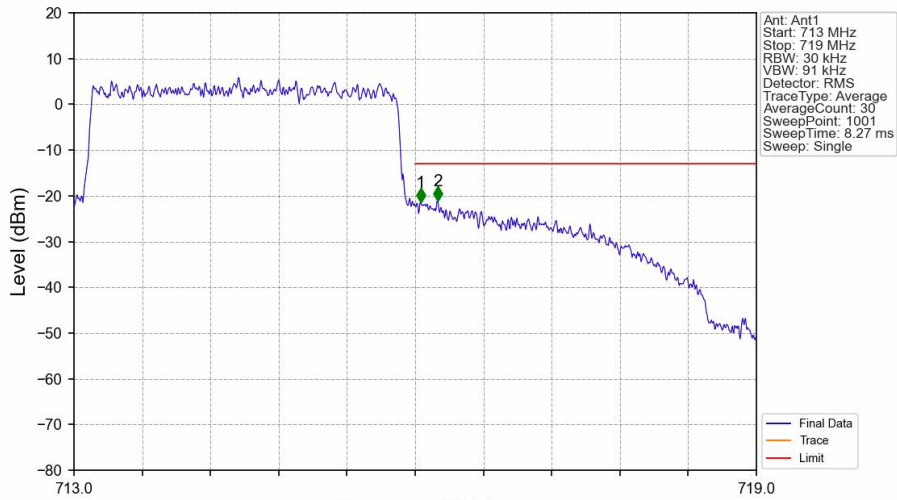
Ant: Ant1
Start: 713 MHz
Stop: 719 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 8.27 ms
Sweep: Single

Final Data
Trace
Limit

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.048	-21.50	-13	Pass
716.1	719	0.1	/	2	716.198	-21.08	-13	Pass

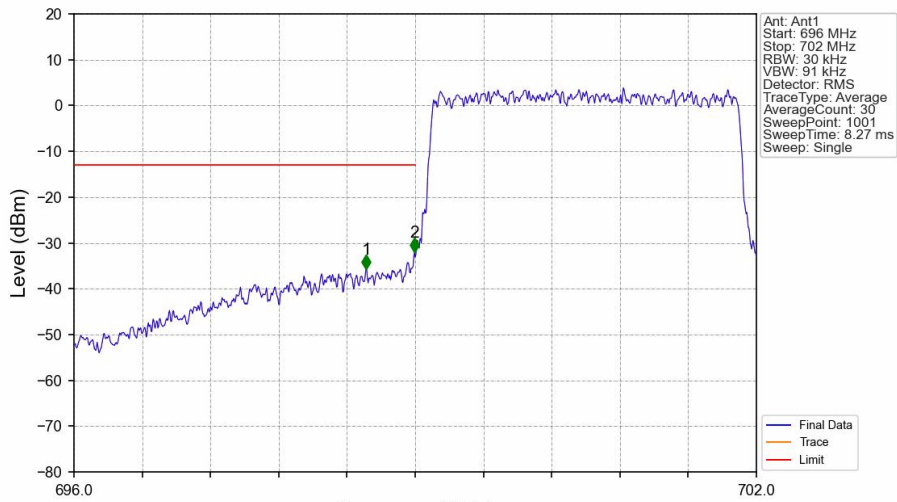## Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 696 MHz
Stop: 702 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 8.27 ms
Sweep: Single

Final Data
Trace
Limit

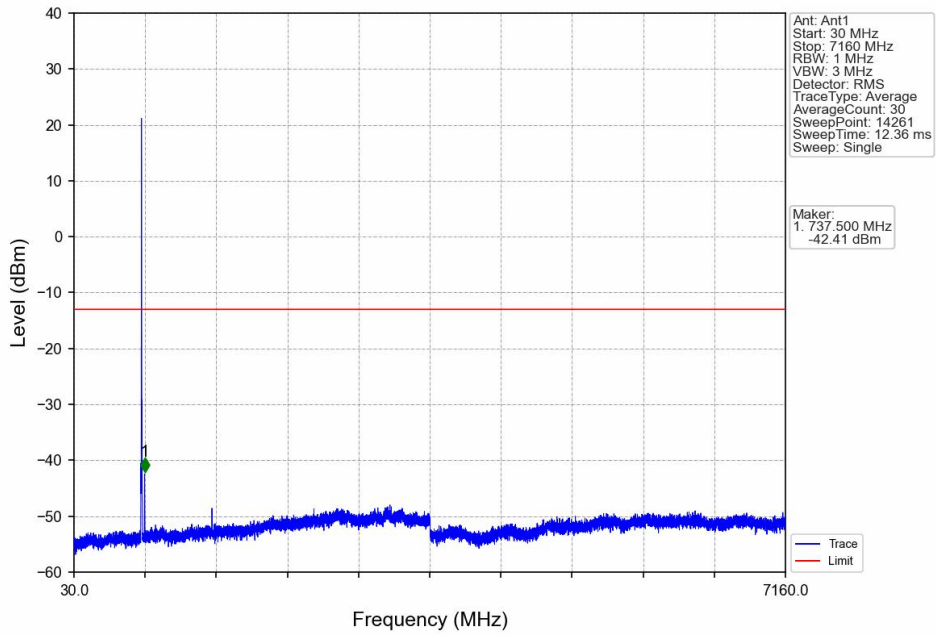| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	/	1	698.898	-36.18	-13	Pass
698.9	699	0.03	/	2	699.000	-23.71	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 730.500 MHz
   -44.13 dBm

Trace
Limit

Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

Ant: Ant1
Start: 696 MHz
Stop: 702 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
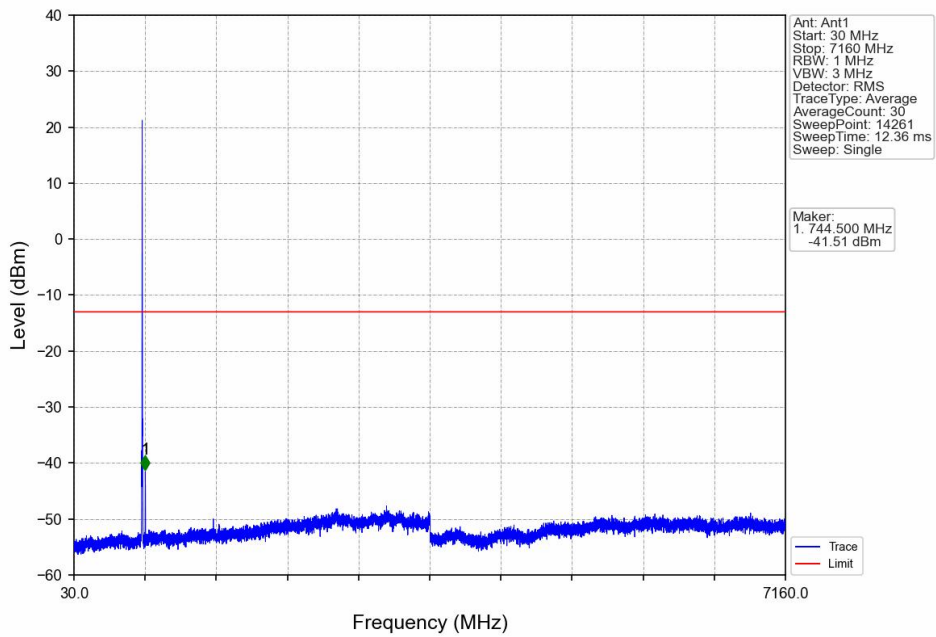SweepTime: 8.27 ms
Sweep: Single

Final Data
Trace
Limit

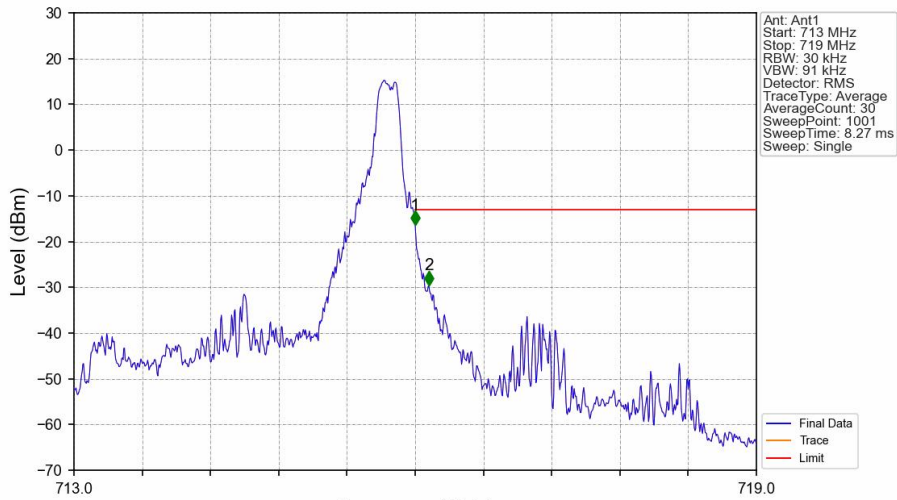| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	/	1	698.568	-35.71	-13	Pass
698.9	699	0.03	/	2	698.994	-32.03	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 737.500 MHz
   -42.41 dBm

Trace
Limit

Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 744.500 MHz
   -41.51 dBm

Trace
Limit

Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV

Ant: Ant1
Start: 713 MHz
Stop: 719 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 8.27 ms
Sweep: Single

Final Data
Trace
Limit

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-16.34	-13	Pass
716.1	719	0.1	/	2	716.120	-29.53	-13	Pass

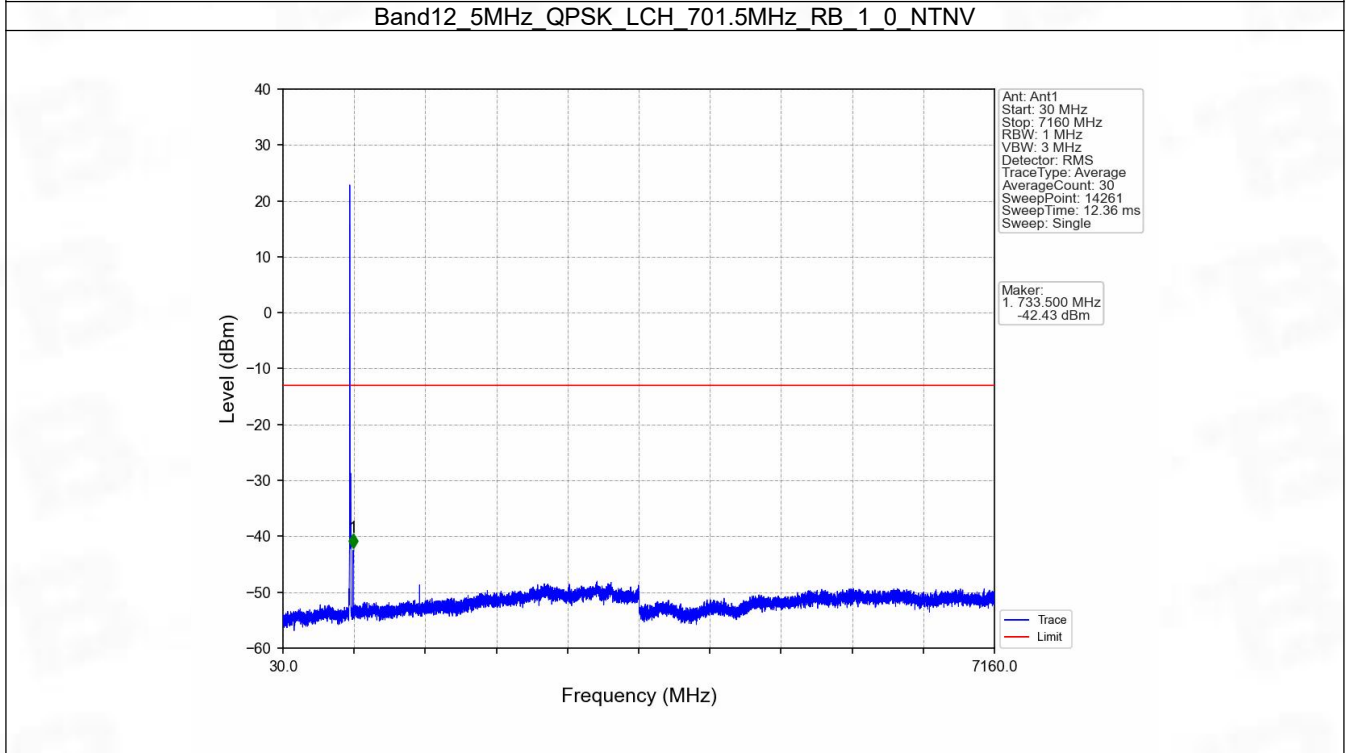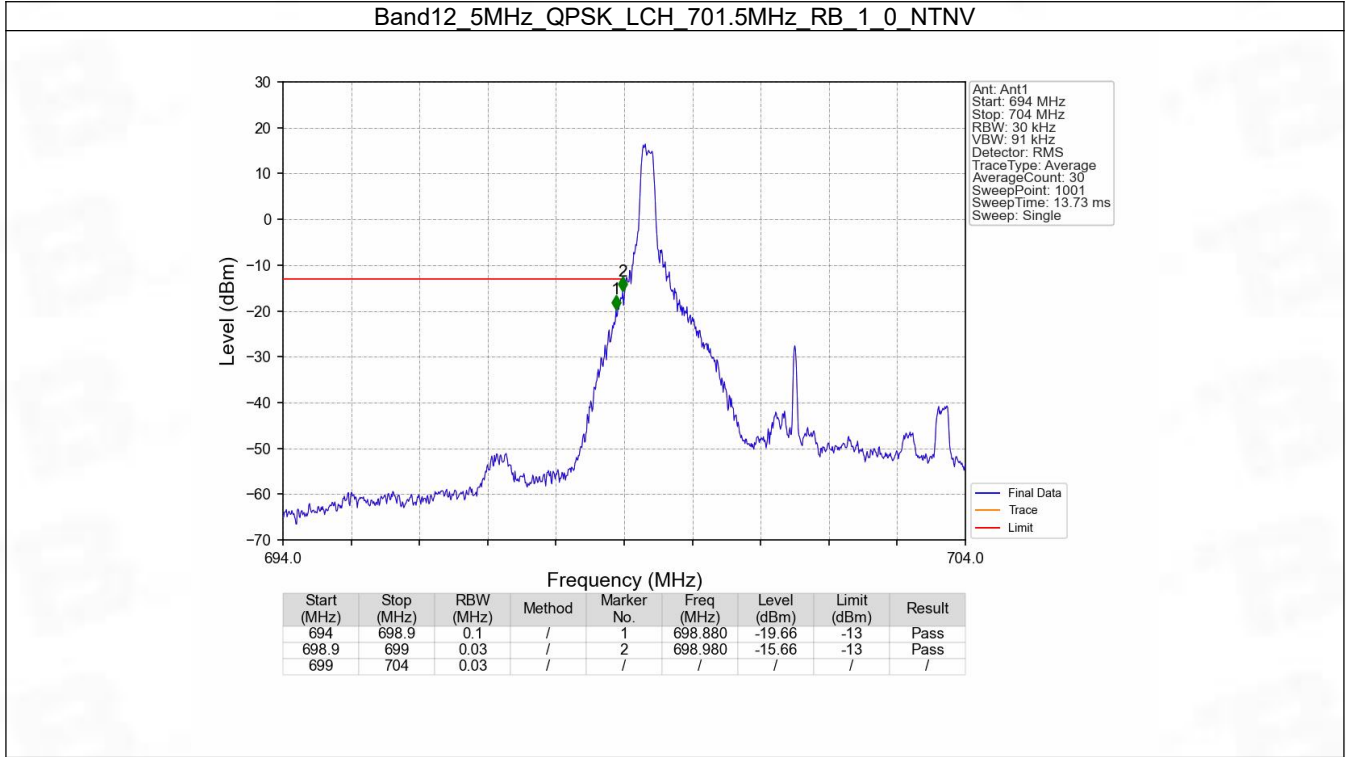## Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV
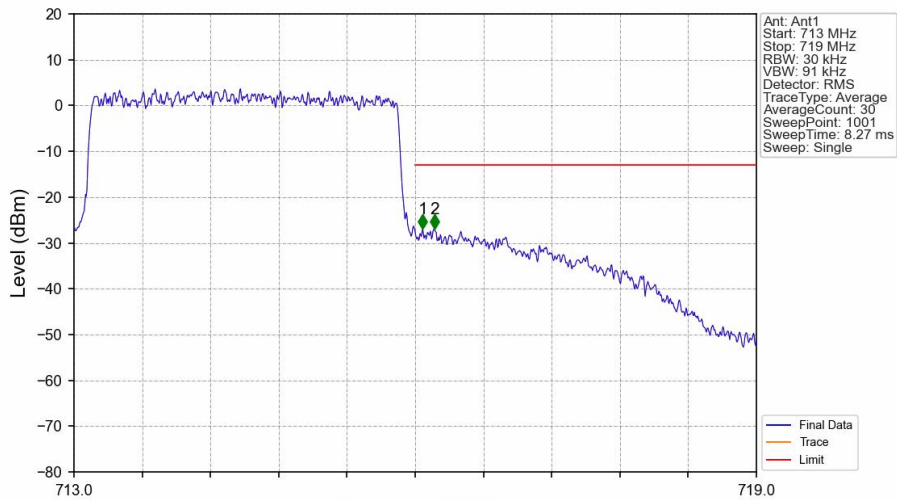
Ant: Ant1
Start: 713 MHz
Stop: 719 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 8.27 ms
Sweep: Single

Final Data
Trace
Limit

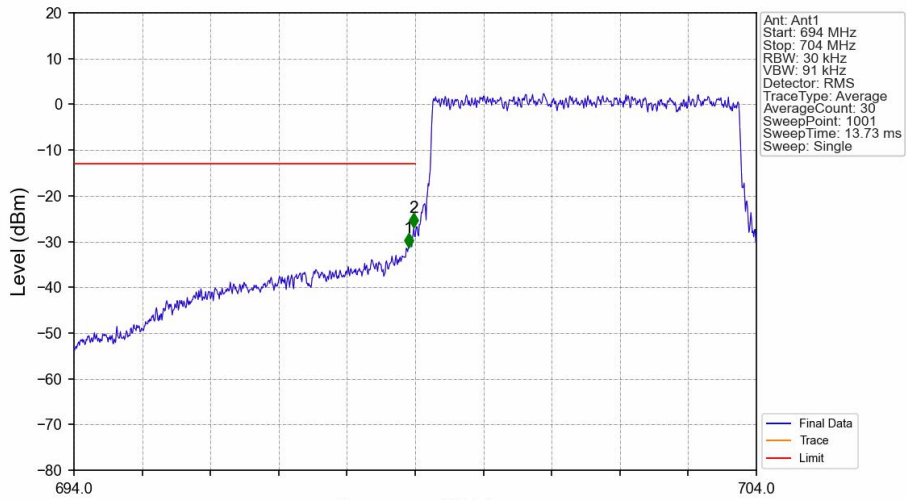| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.066	-26.88	-13	Pass
716.1	719	0.1	/	2	716.168	-26.95	-13	Pass

6.3 B12_5MHz

6.3.1 Test Result

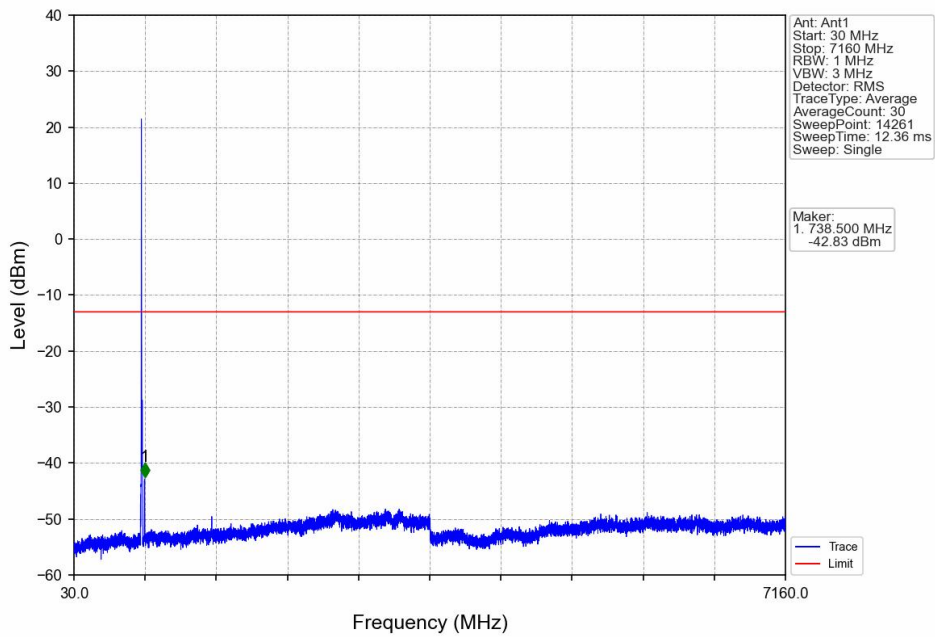| Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.3.2 Test Graph

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 694 MHz
Stop: 704 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
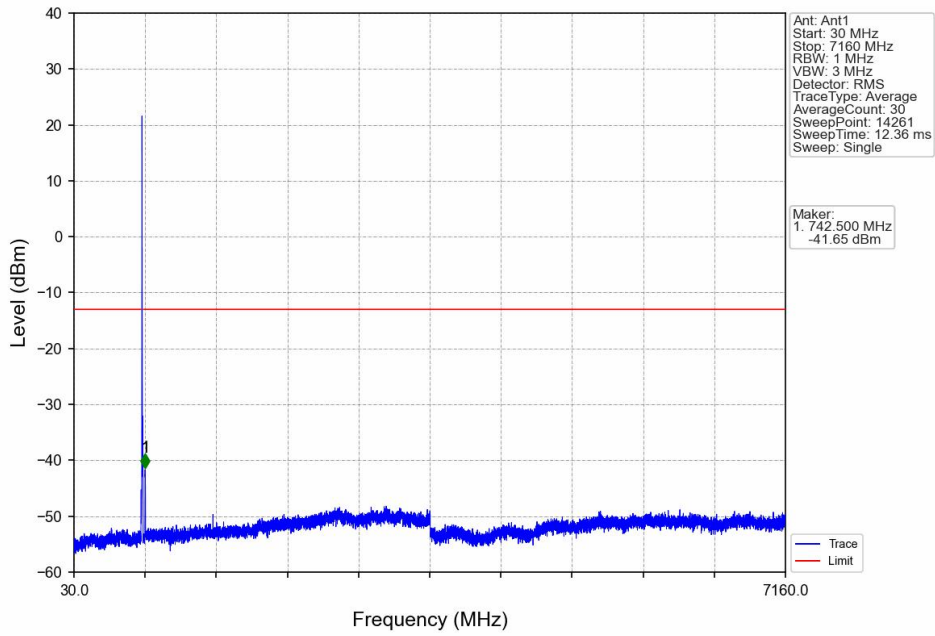SweepPoint: 1001
SweepTime: 13.73 ms
Sweep: Single

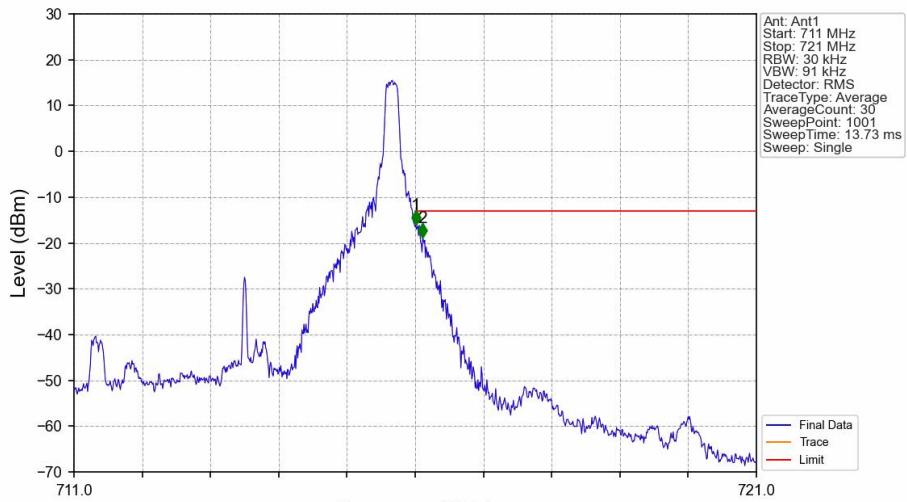| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	/	1	698.880	-19.66	-13	Pass
698.9	699	0.03	/	2	698.980	-15.66	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 733.500 MHz
-42.43 dBm

Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

Ant: Ant1
Start: 694 MHz
Stop: 704 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 13.73 ms
Sweep: Single

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	/	1	698.900	-31.38	-13	Pass
698.9	699	0.03	/	2	698.980	-26.98	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 738.500 MHz
   -42.83 dBm

Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 742.500 MHz
   -41.65 dBm

Trace
Limit

Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV

Ant: Ant1
Start: 711 MHz
Stop: 721 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 1001
SweepTime: 13.73 ms
Sweep: Single

Final Data
Trace
Limit

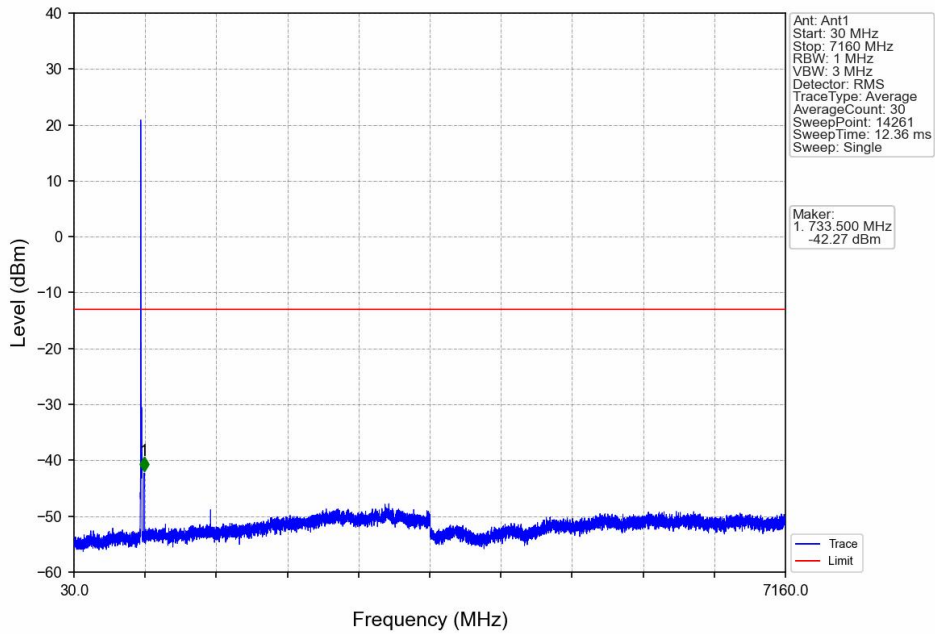| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-16.10	-13	Pass
716.1	721	0.1	/	2	716.110	-18.84	-13	Pass

Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV
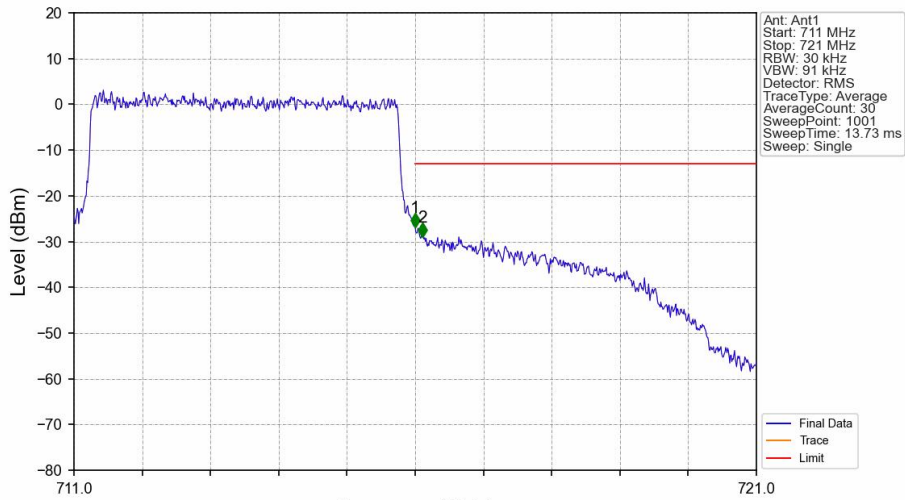
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-26.89	-13	Pass
716.1	721	0.1	/	2	716.110	-28.99	-13	Pass

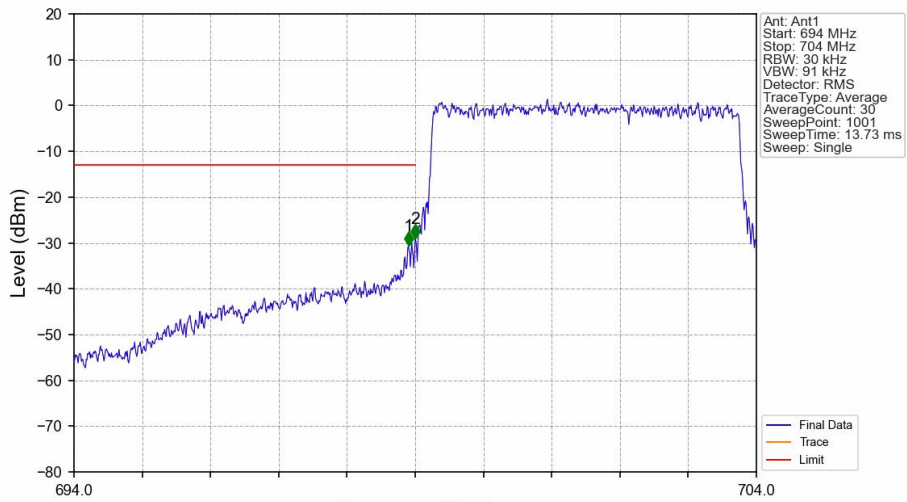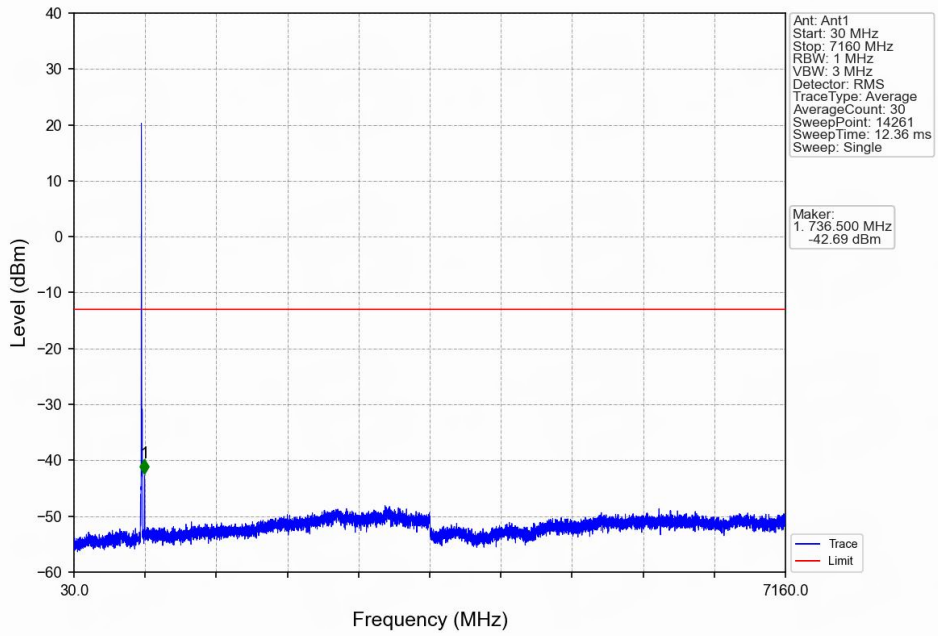## Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV
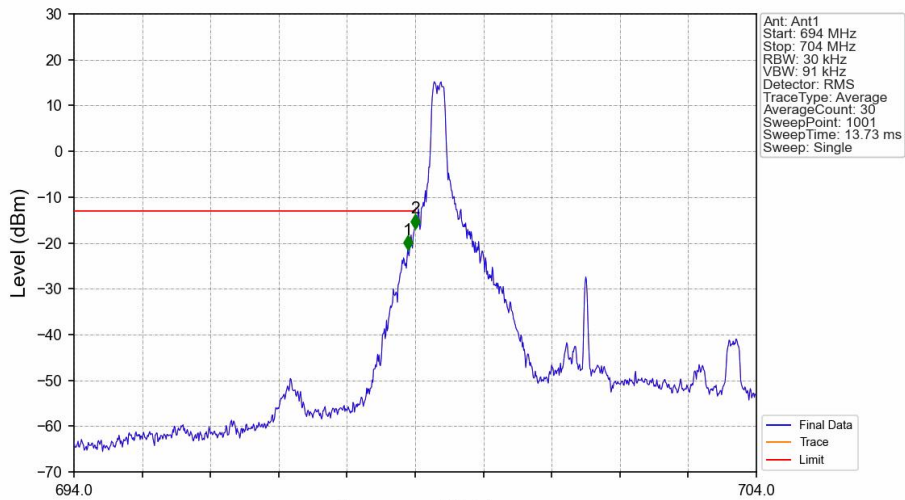
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	/	1	698.890	-21.48	-13	Pass
698.9	699	0.03	/	2	699.000	-16.85	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 733.500 MHz
   -42.27 dBm

Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

Ant: Ant1
Start: 694 MHz
Stop: 704 MHz
RBW: 30 kHz
VBW: 91 kHz
Detector: RMS
TraceType: Average
AverageCount: 30
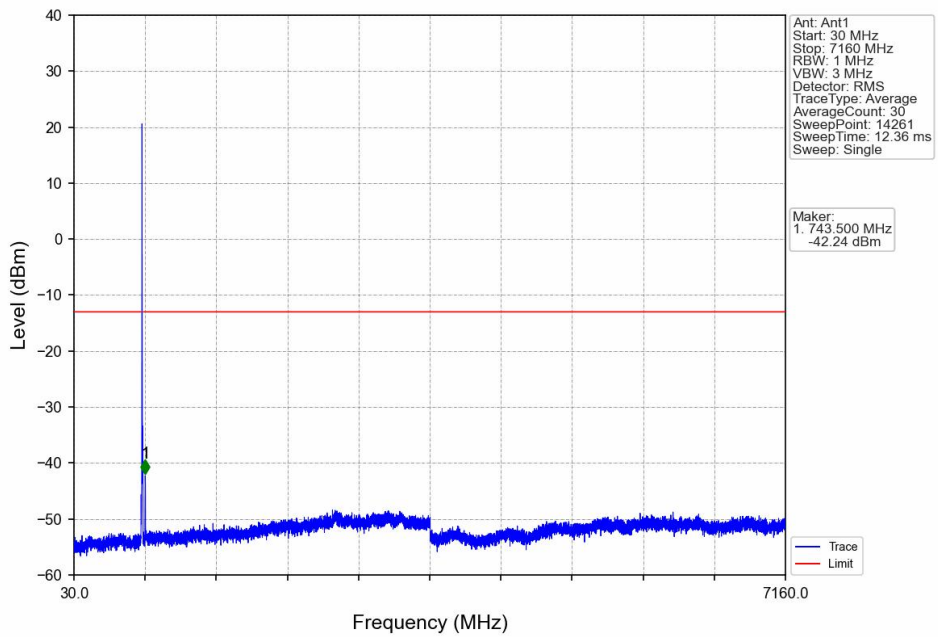SweepPoint: 1001
SweepTime: 13.73 ms
Sweep: Single

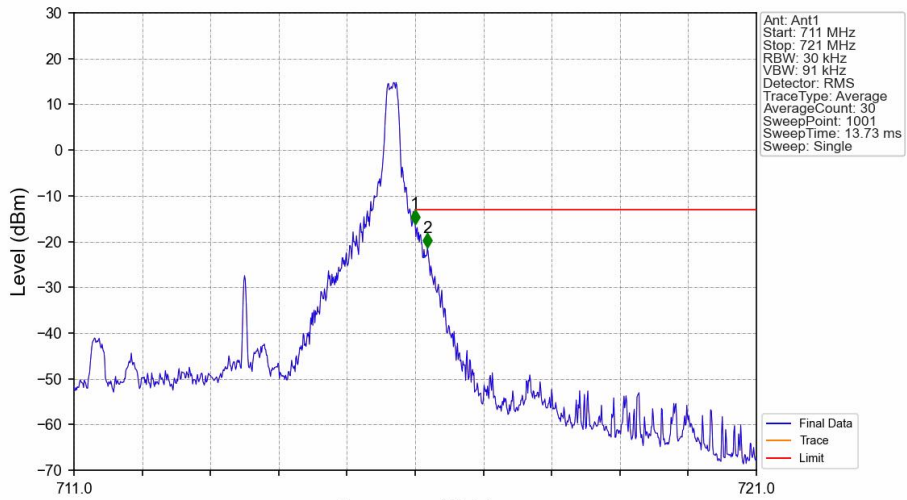| Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	/	1	698.900	-30.64	-13	Pass
698.9	699	0.03	/	2	699.000	-29.06	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
1. 736.500 MHz
   -42.69 dBm

Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

Ant: Ant1
Start: 30 MHz
Stop: 7160 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 14261
SweepTime: 12.36 ms
Sweep: Single

Maker:
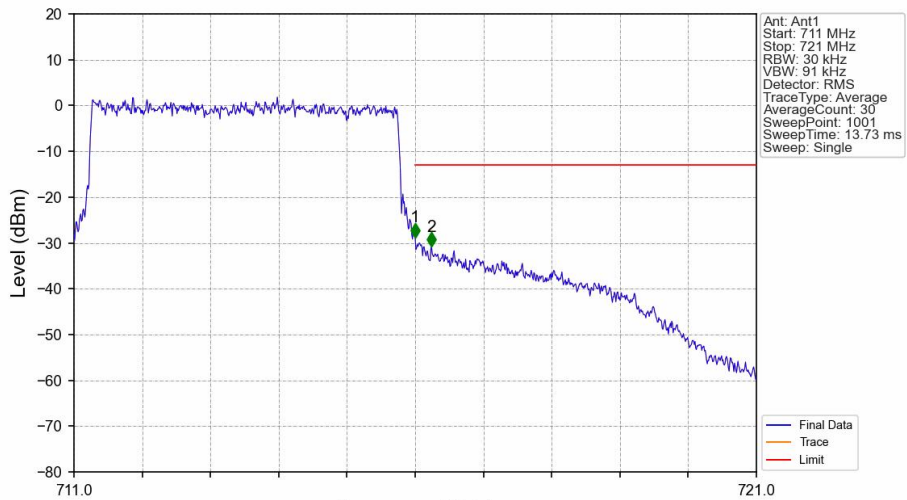1. 743.500 MHz
   -42.24 dBm

Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-16.13	-13	Pass
716.1	721	0.1	/	2	716.180	-21.38	-13	Pass

Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-28.78	-13	Pass
716.1	721	0.1	/	2	716.240	-30.83	-13	Pass

6.4 B12_10MHz

6.4.1 Test Result

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass