

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B4\_1.4MHz\_EIRP

### 1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	22.28	0.48	22.76	<=30	Pass		
			2	22.35	0.48	22.83	<=30	Pass		
			5	22.27	0.48	22.75	<=30	Pass		
		3	0	22.27	0.48	22.75	<=30	Pass		
			2	22.30	0.48	22.78	<=30	Pass		
			3	22.27	0.48	22.75	<=30	Pass		
		6	0	21.31	0.48	21.79	<=30	Pass		
		1732.5	1	0	21.93	0.48	22.41	<=30	Pass	
				2	22.03	0.48	22.51	<=30	Pass	
	5			21.98	0.48	22.46	<=30	Pass		
	3		0	22.03	0.48	22.51	<=30	Pass		
			2	22.06	0.48	22.54	<=30	Pass		
			3	22.03	0.48	22.51	<=30	Pass		
	6		0	21.02	0.48	21.50	<=30	Pass		
	1754.3		1	0	21.76	0.48	22.24	<=30	Pass	
				2	21.86	0.48	22.34	<=30	Pass	
		5		21.73	0.48	22.21	<=30	Pass		
		3	0	21.84	0.48	22.32	<=30	Pass		
			2	21.86	0.48	22.34	<=30	Pass		
			3	21.83	0.48	22.31	<=30	Pass		
		6	0	20.89	0.48	21.37	<=30	Pass		
		16QAM	1710.7	1	0	21.20	0.48	21.68	<=30	Pass
					2	21.31	0.48	21.79	<=30	Pass
	5				21.26	0.48	21.74	<=30	Pass	
3	0			21.32	0.48	21.80	<=30	Pass		
	2			21.32	0.48	21.80	<=30	Pass		
	3			21.30	0.48	21.78	<=30	Pass		
6	0			20.22	0.48	20.70	<=30	Pass		
1732.5	1			0	21.08	0.48	21.56	<=30	Pass	
				2	21.23	0.48	21.71	<=30	Pass	
			5	21.10	0.48	21.58	<=30	Pass		
	3		0	20.97	0.48	21.45	<=30	Pass		
			2	21.01	0.48	21.49	<=30	Pass		
			3	21.01	0.48	21.49	<=30	Pass		
	6		0	20.06	0.48	20.54	<=30	Pass		
	1754.3		1	0	20.73	0.48	21.21	<=30	Pass	
				2	20.87	0.48	21.35	<=30	Pass	
5				20.77	0.48	21.25	<=30	Pass		
3			0	20.98	0.48	21.46	<=30	Pass		
			2	21.02	0.48	21.50	<=30	Pass		
			3	20.97	0.48	21.45	<=30	Pass		
6			0	19.84	0.48	20.32	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B4\_3MHz\_EIRP

### 1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	22.35	0.48	22.83	<=30	Pass		
			7	22.44	0.48	22.92	<=30	Pass		
			14	22.30	0.48	22.78	<=30	Pass		
		8	0	21.29	0.48	21.77	<=30	Pass		
			4	21.31	0.48	21.79	<=30	Pass		
			7	21.26	0.48	21.74	<=30	Pass		
		15	0	21.26	0.48	21.74	<=30	Pass		
		1732.5	1	0	22.02	0.48	22.50	<=30	Pass	
				7	22.15	0.48	22.63	<=30	Pass	
	14			21.98	0.48	22.46	<=30	Pass		
	8		0	21.02	0.48	21.50	<=30	Pass		
			4	21.05	0.48	21.53	<=30	Pass		
			7	20.99	0.48	21.47	<=30	Pass		
	15		0	20.99	0.48	21.47	<=30	Pass		
	1753.5		1	0	21.80	0.48	22.28	<=30	Pass	
				7	21.91	0.48	22.39	<=30	Pass	
		14		21.79	0.48	22.27	<=30	Pass		
		8	0	20.82	0.48	21.30	<=30	Pass		
			4	20.83	0.48	21.31	<=30	Pass		
			7	20.78	0.48	21.26	<=30	Pass		
		15	0	20.74	0.48	21.22	<=30	Pass		
		16QAM	1711.5	1	0	21.31	0.48	21.79	<=30	Pass
					7	21.43	0.48	21.91	<=30	Pass
	14				21.28	0.48	21.76	<=30	Pass	
8	0			20.32	0.48	20.80	<=30	Pass		
	4			20.36	0.48	20.84	<=30	Pass		
	7			20.30	0.48	20.78	<=30	Pass		
15	0			20.28	0.48	20.76	<=30	Pass		
1732.5	1			0	21.19	0.48	21.67	<=30	Pass	
				7	21.31	0.48	21.79	<=30	Pass	
			14	21.14	0.48	21.62	<=30	Pass		
	8		0	19.99	0.48	20.47	<=30	Pass		
			4	20.01	0.48	20.49	<=30	Pass		
			7	19.98	0.48	20.46	<=30	Pass		
	15		0	19.95	0.48	20.43	<=30	Pass		
	1753.5		1	0	21.28	0.48	21.76	<=30	Pass	
				7	21.41	0.48	21.89	<=30	Pass	
14				21.27	0.48	21.75	<=30	Pass		
8			0	19.86	0.48	20.34	<=30	Pass		
			4	19.93	0.48	20.41	<=30	Pass		
			7	19.90	0.48	20.38	<=30	Pass		
15			0	19.76	0.48	20.24	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

### 1.3 B4\_5MHz\_EIRP

#### 1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.22	0.48	22.70	<=30	Pass
			13	22.30	0.48	22.78	<=30	Pass
			24	22.17	0.48	22.65	<=30	Pass

	1732.5	12	0	21.21	0.48	21.69	<=30	Pass	
			6	21.29	0.48	21.77	<=30	Pass	
			13	21.31	0.48	21.79	<=30	Pass	
		25	0	21.20	0.48	21.68	<=30	Pass	
			1	0	21.96	0.48	22.44	<=30	Pass
				13	22.05	0.48	22.53	<=30	Pass
		24		21.90	0.48	22.38	<=30	Pass	
		12	0	21.01	0.48	21.49	<=30	Pass	
			6	21.04	0.48	21.52	<=30	Pass	
	13		20.98	0.48	21.46	<=30	Pass		
	25	0	20.97	0.48	21.45	<=30	Pass		
		1752.5	1	0	21.77	0.48	22.25	<=30	Pass
				13	21.87	0.48	22.35	<=30	Pass
	24			21.75	0.48	22.23	<=30	Pass	
	12	0	0	20.76	0.48	21.24	<=30	Pass	
			6	20.83	0.48	21.31	<=30	Pass	
			13	20.81	0.48	21.29	<=30	Pass	
	25	0	20.76	0.48	21.24	<=30	Pass		
		1712.5	1	0	21.30	0.48	21.78	<=30	Pass
				13	21.37	0.48	21.85	<=30	Pass
	24			21.28	0.48	21.76	<=30	Pass	
	12		0	0	20.14	0.48	20.62	<=30	Pass
				6	20.22	0.48	20.70	<=30	Pass
				13	20.26	0.48	20.74	<=30	Pass
25	0		20.20	0.48	20.68	<=30	Pass		
	1732.5		1	0	21.20	0.48	21.68	<=30	Pass
				13	21.31	0.48	21.79	<=30	Pass
24		21.14		0.48	21.62	<=30	Pass		
12	0	0	19.99	0.48	20.47	<=30	Pass		
		6	20.05	0.48	20.53	<=30	Pass		
		13	19.97	0.48	20.45	<=30	Pass		
25	0	19.95	0.48	20.43	<=30	Pass			
	1752.5	1	0	20.59	0.48	21.07	<=30	Pass	
			13	20.69	0.48	21.17	<=30	Pass	
24			20.60	0.48	21.08	<=30	Pass		
12	0	0	19.70	0.48	20.18	<=30	Pass		
		6	19.78	0.48	20.26	<=30	Pass		
		13	19.74	0.48	20.22	<=30	Pass		
25	0	19.76	0.48	20.24	<=30	Pass			

Note1: EIRP=Conducted Power+Antenna Gain

## 1.4 B4\_10MHz\_EIRP

### 1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1715	1	0	22.26	0.48	22.74	<=30	Pass	
			25	22.47	0.48	22.95	<=30	Pass	
			49	22.19	0.48	22.67	<=30	Pass	
		25	0	21.15	0.48	21.63	<=30	Pass	
			13	21.29	0.48	21.77	<=30	Pass	
			25	21.21	0.48	21.69	<=30	Pass	
	50	0	21.23	0.48	21.71	<=30	Pass		
		1732.5	1	0	22.02	0.48	22.50	<=30	Pass
				25	22.16	0.48	22.64	<=30	Pass

		25	49	21.93	0.48	22.41	<=30	Pass		
			0	21.05	0.48	21.53	<=30	Pass		
			13	21.03	0.48	21.51	<=30	Pass		
			25	20.97	0.48	21.45	<=30	Pass		
			50	21.01	0.48	21.49	<=30	Pass		
	1750	1	0	21.80	0.48	22.28	<=30	Pass		
			25	21.91	0.48	22.39	<=30	Pass		
			49	21.80	0.48	22.28	<=30	Pass		
		25	0	20.74	0.48	21.22	<=30	Pass		
			13	20.81	0.48	21.29	<=30	Pass		
			25	20.81	0.48	21.29	<=30	Pass		
		50	20.82	0.48	21.30	<=30	Pass			
		16QAM	1715	1	0	21.28	0.48	21.76	<=30	Pass
					25	21.43	0.48	21.91	<=30	Pass
	49				21.17	0.48	21.65	<=30	Pass	
25	0			20.21	0.48	20.69	<=30	Pass		
	13			20.31	0.48	20.79	<=30	Pass		
	25			20.24	0.48	20.72	<=30	Pass		
50	20.17		0.48	20.65	<=30	Pass				
1732.5	1		0	21.20	0.48	21.68	<=30	Pass		
			25	21.30	0.48	21.78	<=30	Pass		
			49	21.09	0.48	21.57	<=30	Pass		
	25		0	20.09	0.48	20.57	<=30	Pass		
			13	20.03	0.48	20.51	<=30	Pass		
			25	19.97	0.48	20.45	<=30	Pass		
50	19.99		0.48	20.47	<=30	Pass				
1750	1		0	21.33	0.48	21.81	<=30	Pass		
		25	21.49	0.48	21.97	<=30	Pass			
		49	21.28	0.48	21.76	<=30	Pass			
	25	0	19.79	0.48	20.27	<=30	Pass			
		13	19.84	0.48	20.32	<=30	Pass			
		25	19.84	0.48	20.32	<=30	Pass			
50	19.76	0.48	20.24	<=30	Pass					
Note1: EIRP=Conducted Power+Antenna Gain										

## 1.5 B4\_15MHz\_EIRP

### 1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.19	0.48	22.67	<=30	Pass
			38	22.22	0.48	22.70	<=30	Pass
			74	21.94	0.48	22.42	<=30	Pass
		36	0	21.23	0.48	21.71	<=30	Pass
			18	21.26	0.48	21.74	<=30	Pass
			39	21.12	0.48	21.60	<=30	Pass
	75	21.13	0.48	21.61	<=30	Pass		
	1732.5	1	0	21.97	0.48	22.45	<=30	Pass
			38	22.02	0.48	22.50	<=30	Pass
			74	21.82	0.48	22.30	<=30	Pass
		36	0	21.08	0.48	21.56	<=30	Pass
			18	21.09	0.48	21.57	<=30	Pass
			39	20.99	0.48	21.47	<=30	Pass
	75	21.02	0.48	21.50	<=30	Pass		
	1747.5	1	0	21.82	0.48	22.30	<=30	Pass

16QAM	1717.5	36	38	21.84	0.48	22.32	<=30	Pass	
			74	21.70	0.48	22.18	<=30	Pass	
			0	20.88	0.48	21.36	<=30	Pass	
		75	1	18	20.88	0.48	21.36	<=30	Pass
				39	20.83	0.48	21.31	<=30	Pass
				0	20.87	0.48	21.35	<=30	Pass
		36	1	0	21.52	0.48	22.00	<=30	Pass
				38	21.60	0.48	22.08	<=30	Pass
				74	21.42	0.48	21.90	<=30	Pass
		75	36	0	20.18	0.48	20.66	<=30	Pass
				18	20.22	0.48	20.70	<=30	Pass
				39	20.06	0.48	20.54	<=30	Pass
		1732.5	1	0	20.08	0.48	20.56	<=30	Pass
				38	21.19	0.48	21.67	<=30	Pass
				74	21.03	0.48	21.51	<=30	Pass
75	36	0	20.09	0.48	20.57	<=30	Pass		
		18	20.04	0.48	20.52	<=30	Pass		
		39	19.98	0.48	20.46	<=30	Pass		
1747.5	1	0	20.00	0.48	20.48	<=30	Pass		
		38	21.32	0.48	21.80	<=30	Pass		
		74	21.21	0.48	21.69	<=30	Pass		
75	36	0	19.86	0.48	20.34	<=30	Pass		
		18	19.87	0.48	20.35	<=30	Pass		
		39	19.82	0.48	20.30	<=30	Pass		
75	1	0	19.86	0.48	20.34	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.6 B4\_20MHz\_EIRP

### 1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1720	1	0	22.05	0.48	22.53	<=30	Pass	
			50	22.30	0.48	22.78	<=30	Pass	
			99	21.80	0.48	22.28	<=30	Pass	
		50	0	21.20	0.48	21.68	<=30	Pass	
			25	21.18	0.48	21.66	<=30	Pass	
			50	20.97	0.48	21.45	<=30	Pass	
		100	0	21.10	0.48	21.58	<=30	Pass	
		1732.5	1	0	21.89	0.48	22.37	<=30	Pass
				50	22.16	0.48	22.64	<=30	Pass
	99			21.71	0.48	22.19	<=30	Pass	
	50		0	21.15	0.48	21.63	<=30	Pass	
			25	21.03	0.48	21.51	<=30	Pass	
			50	20.99	0.48	21.47	<=30	Pass	
	100	0	21.08	0.48	21.56	<=30	Pass		
	1745	1	0	21.72	0.48	22.20	<=30	Pass	
			50	22.02	0.48	22.50	<=30	Pass	
			99	21.60	0.48	22.08	<=30	Pass	
		50	0	20.87	0.48	21.35	<=30	Pass	
			25	20.89	0.48	21.37	<=30	Pass	
			50	20.88	0.48	21.36	<=30	Pass	
		100	0	20.89	0.48	21.37	<=30	Pass	

16QAM	1720	1	0	21.55	0.48	22.03	<=30	Pass	
			50	21.88	0.48	22.36	<=30	Pass	
			99	21.34	0.48	21.82	<=30	Pass	
		50	0	20.17	0.48	20.65	<=30	Pass	
			25	20.15	0.48	20.63	<=30	Pass	
			50	19.98	0.48	20.46	<=30	Pass	
		100	0	20.10	0.48	20.58	<=30	Pass	
		1732.5	1	0	21.09	0.48	21.57	<=30	Pass
				50	21.35	0.48	21.83	<=30	Pass
	99			20.88	0.48	21.36	<=30	Pass	
	50		0	20.13	0.48	20.61	<=30	Pass	
			25	20.02	0.48	20.50	<=30	Pass	
			50	19.94	0.48	20.42	<=30	Pass	
	100		0	20.04	0.48	20.52	<=30	Pass	
	1745		1	0	20.99	0.48	21.47	<=30	Pass
				50	21.29	0.48	21.77	<=30	Pass
		99		20.84	0.48	21.32	<=30	Pass	
		50	0	19.85	0.48	20.33	<=30	Pass	
			25	19.83	0.48	20.31	<=30	Pass	
			50	19.85	0.48	20.33	<=30	Pass	
		100	0	19.89	0.48	20.37	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 B4\_1.4MHz

#### 2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1710.7	6	0	20	3.27	0.000	0.0000	-2.5 to 2.5	Pass	
					3.85	2.360	0.0014	-2.5 to 2.5	Pass	
					4.43	3.448	0.0020	-2.5 to 2.5	Pass	
				-30	3.85	1.259	0.0007	-2.5 to 2.5	Pass	
					-20	3.85	1.101	0.0006	-2.5 to 2.5	Pass
						-10	3.85	-2.389	-0.0014	-2.5 to 2.5
				0	3.85	5.593	0.0033	-2.5 to 2.5	Pass	
					10	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				30	3.85	2.232	0.0013	-2.5 to 2.5	Pass	
					40	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				50	3.85	7.024	0.0041	-2.5 to 2.5	Pass	
				1732.5	6	0	20	3.27	5.937	0.0034
	3.85	3.176	0.0018					-2.5 to 2.5	Pass	
	4.43	3.734	0.0022					-2.5 to 2.5	Pass	
	-30	3.85	3.061				0.0018	-2.5 to 2.5	Pass	
		-20	3.85				1.144	0.0007	-2.5 to 2.5	Pass
			-10				3.85	-1.044	-0.0006	-2.5 to 2.5
	0	3.85	-3.977				-0.0023	-2.5 to 2.5	Pass	
		10	3.85				3.476	0.0020	-2.5 to 2.5	Pass
	30	3.85	4.091				0.0024	-2.5 to 2.5	Pass	
		40	3.85				-0.072	0.0000	-2.5 to 2.5	Pass
	50	3.85	-0.758				-0.0004	-2.5 to 2.5	Pass	
	1754.3	6	0				20	3.27	8.655	0.0049
				3.85	4.592	0.0026		-2.5 to 2.5	Pass	

					4.43	4.034	0.0023	-2.5 to 2.5	Pass
				-30	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	5.279	0.0030	-2.5 to 2.5	Pass
				0	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				10	3.85	4.764	0.0027	-2.5 to 2.5	Pass
				30	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				40	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-0.486	-0.0003	-2.5 to 2.5	Pass
					3.85	2.761	0.0016	-2.5 to 2.5	Pass
					4.43	4.048	0.0024	-2.5 to 2.5	Pass
				-30	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				-20	3.85	2.847	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				10	3.85	4.592	0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
	40	3.85	0.014	0.0000	-2.5 to 2.5	Pass			
	50	3.85	4.263	0.0025	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	0.086	0.0000	-2.5 to 2.5	Pass
					3.85	1.302	0.0008	-2.5 to 2.5	Pass
					4.43	-0.844	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	3.862	0.0022	-2.5 to 2.5	Pass
				-20	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				-10	3.85	2.618	0.0015	-2.5 to 2.5	Pass
				0	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				10	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				30	3.85	4.463	0.0026	-2.5 to 2.5	Pass
	40	3.85	3.805	0.0022	-2.5 to 2.5	Pass			
	50	3.85	0.930	0.0005	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	3.333	0.0019	-2.5 to 2.5	Pass
					3.85	1.960	0.0011	-2.5 to 2.5	Pass
					4.43	2.532	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.858	0.0005	-2.5 to 2.5	Pass
-10				3.85	6.924	0.0039	-2.5 to 2.5	Pass	
0				3.85	8.054	0.0046	-2.5 to 2.5	Pass	
10				3.85	5.050	0.0029	-2.5 to 2.5	Pass	
30				3.85	1.502	0.0009	-2.5 to 2.5	Pass	
40	3.85	4.764	0.0027	-2.5 to 2.5	Pass				
50	3.85	1.345	0.0008	-2.5 to 2.5	Pass				

## 2.2 B4\_3MHz

### 2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	0.286	0.0002	-2.5 to 2.5	Pass
					3.85	2.489	0.0015	-2.5 to 2.5	Pass
					4.43	-1.316	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	5.293	0.0031	-2.5 to 2.5	Pass
				-20	3.85	4.992	0.0029	-2.5 to 2.5	Pass
				-10	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				0	3.85	4.292	0.0025	-2.5 to 2.5	Pass

				10	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass	
				30	3.85	6.409	0.0037	-2.5 to 2.5	Pass	
				40	3.85	-0.043	0.0000	-2.5 to 2.5	Pass	
				50	3.85	4.578	0.0027	-2.5 to 2.5	Pass	
	1732.5	15	0	20	3.27	-0.515	-0.0003	-2.5 to 2.5	Pass	
					3.85	1.860	0.0011	-2.5 to 2.5	Pass	
					4.43	2.146	0.0012	-2.5 to 2.5	Pass	
				-30	3.85	1.717	0.0010	-2.5 to 2.5	Pass	
				-20	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass	
				-10	3.85	2.532	0.0015	-2.5 to 2.5	Pass	
				0	3.85	1.173	0.0007	-2.5 to 2.5	Pass	
				10	3.85	3.676	0.0021	-2.5 to 2.5	Pass	
				30	3.85	3.662	0.0021	-2.5 to 2.5	Pass	
				40	3.85	2.918	0.0017	-2.5 to 2.5	Pass	
				50	3.85	7.224	0.0042	-2.5 to 2.5	Pass	
				1753.5	15	0	20	3.27	6.967	0.0040
	3.85	4.106	0.0023					-2.5 to 2.5	Pass	
	4.43	-0.043	0.0000					-2.5 to 2.5	Pass	
	-30	3.85	-0.172				-0.0001	-2.5 to 2.5	Pass	
	-20	3.85	0.858				0.0005	-2.5 to 2.5	Pass	
	-10	3.85	5.794				0.0033	-2.5 to 2.5	Pass	
	0	3.85	2.375				0.0014	-2.5 to 2.5	Pass	
	10	3.85	2.389				0.0014	-2.5 to 2.5	Pass	
	30	3.85	3.161				0.0018	-2.5 to 2.5	Pass	
	40	3.85	-2.918				-0.0017	-2.5 to 2.5	Pass	
	50	3.85	4.506				0.0026	-2.5 to 2.5	Pass	
	16QAM	1711.5	15				0	20	3.27	1.688
				3.85	1.302	0.0008			-2.5 to 2.5	Pass
				4.43	1.087	0.0006			-2.5 to 2.5	Pass
				-30	3.85	3.562		0.0021	-2.5 to 2.5	Pass
-20				3.85	3.018	0.0018		-2.5 to 2.5	Pass	
-10				3.85	-0.272	-0.0002		-2.5 to 2.5	Pass	
0				3.85	-0.143	-0.0001		-2.5 to 2.5	Pass	
10				3.85	1.717	0.0010		-2.5 to 2.5	Pass	
30				3.85	3.347	0.0020		-2.5 to 2.5	Pass	
40				3.85	4.263	0.0025		-2.5 to 2.5	Pass	
50				3.85	2.003	0.0012		-2.5 to 2.5	Pass	
1732.5				15	0	20		3.27	6.423	0.0037
		3.85	4.034				0.0023	-2.5 to 2.5	Pass	
		4.43	6.323				0.0036	-2.5 to 2.5	Pass	
		-30	3.85			4.778	0.0028	-2.5 to 2.5	Pass	
		-20	3.85			0.658	0.0004	-2.5 to 2.5	Pass	
		-10	3.85			2.060	0.0012	-2.5 to 2.5	Pass	
		0	3.85			1.760	0.0010	-2.5 to 2.5	Pass	
		10	3.85			-0.629	-0.0004	-2.5 to 2.5	Pass	
		30	3.85			2.789	0.0016	-2.5 to 2.5	Pass	
		40	3.85			0.472	0.0003	-2.5 to 2.5	Pass	
		50	3.85			-4.263	-0.0025	-2.5 to 2.5	Pass	
		1753.5	15			0	20	3.27	4.163	0.0024
3.85				-0.343	-0.0002			-2.5 to 2.5	Pass	
4.43				-1.788	-0.0010			-2.5 to 2.5	Pass	
-30				3.85	2.117		0.0012	-2.5 to 2.5	Pass	
-20				3.85	1.659		0.0009	-2.5 to 2.5	Pass	
-10				3.85	1.817		0.0010	-2.5 to 2.5	Pass	
0				3.85	2.646		0.0015	-2.5 to 2.5	Pass	
10				3.85	6.609		0.0038	-2.5 to 2.5	Pass	
30	3.85			0.000	0.0000		-2.5 to 2.5	Pass		
40	3.85			2.933	0.0017		-2.5 to 2.5	Pass		
50	3.85			4.878	0.0028		-2.5 to 2.5	Pass		



## 2.3 B4\_5MHz

### 2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1712.5	25	0	20	3.27	7.939	0.0046	-2.5 to 2.5	Pass	
					3.85	7.482	0.0044	-2.5 to 2.5	Pass	
					4.43	5.021	0.0029	-2.5 to 2.5	Pass	
				-30	3.85	7.596	0.0044	-2.5 to 2.5	Pass	
					-20	3.85	5.264	0.0031	-2.5 to 2.5	Pass
						-10	3.85	8.340	0.0049	-2.5 to 2.5
				0	3.85	6.781	0.0040	-2.5 to 2.5	Pass	
					10	3.85	8.011	0.0047	-2.5 to 2.5	Pass
					30	3.85	9.556	0.0056	-2.5 to 2.5	Pass
	40	3.85	5.579		0.0033	-2.5 to 2.5	Pass			
	50	3.85	4.334		0.0025	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.27	-1.144	-0.0007	-2.5 to 2.5	Pass	
					3.85	-2.460	-0.0014	-2.5 to 2.5	Pass	
					4.43	2.160	0.0012	-2.5 to 2.5	Pass	
				-30	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass	
					-20	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
						-10	3.85	2.031	0.0012	-2.5 to 2.5
				0	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass	
					10	3.85	0.629	0.0004	-2.5 to 2.5	Pass
					30	3.85	0.916	0.0005	-2.5 to 2.5	Pass
	40	3.85	-1.903		-0.0011	-2.5 to 2.5	Pass			
	50	3.85	2.246		0.0013	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.27	3.433	0.0020	-2.5 to 2.5	Pass	
					3.85	4.163	0.0024	-2.5 to 2.5	Pass	
					4.43	5.436	0.0031	-2.5 to 2.5	Pass	
				-30	3.85	3.748	0.0021	-2.5 to 2.5	Pass	
					-20	3.85	3.791	0.0022	-2.5 to 2.5	Pass
-10						3.85	5.622	0.0032	-2.5 to 2.5	Pass
0				3.85	5.908	0.0034	-2.5 to 2.5	Pass		
				10	3.85	5.779	0.0033	-2.5 to 2.5	Pass	
				30	3.85	5.250	0.0030	-2.5 to 2.5	Pass	
	40	3.85	3.548	0.0020	-2.5 to 2.5	Pass				
	50	3.85	2.217	0.0013	-2.5 to 2.5	Pass				
16QAM	1712.5	25	0	20	3.27	7.296	0.0043	-2.5 to 2.5	Pass	
					3.85	2.246	0.0013	-2.5 to 2.5	Pass	
					4.43	7.267	0.0042	-2.5 to 2.5	Pass	
				-30	3.85	6.351	0.0037	-2.5 to 2.5	Pass	
					-20	3.85	5.651	0.0033	-2.5 to 2.5	Pass
						-10	3.85	6.967	0.0041	-2.5 to 2.5
				0	3.85	5.522	0.0032	-2.5 to 2.5	Pass	
					10	3.85	7.997	0.0047	-2.5 to 2.5	Pass
					30	3.85	6.351	0.0037	-2.5 to 2.5	Pass
	40	3.85	2.089		0.0012	-2.5 to 2.5	Pass			
	50	3.85	8.368		0.0049	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.27	1.445	0.0008	-2.5 to 2.5	Pass	
					3.85	1.202	0.0007	-2.5 to 2.5	Pass	
					4.43	-1.116	-0.0006	-2.5 to 2.5	Pass	
				-30	3.85	0.515	0.0003	-2.5 to 2.5	Pass	
					-20	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass

				-10	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.831	0.0011	-2.5 to 2.5	Pass
				10	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				30	3.85	2.618	0.0015	-2.5 to 2.5	Pass
				40	3.85	2.646	0.0015	-2.5 to 2.5	Pass
	50	3.85	2.532	0.0015	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.27	1.488	0.0008	-2.5 to 2.5	Pass
					3.85	1.645	0.0009	-2.5 to 2.5	Pass
					4.43	-1.459	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	5.121	0.0029	-2.5 to 2.5	Pass
				-20	3.85	4.721	0.0027	-2.5 to 2.5	Pass
				-10	3.85	4.892	0.0028	-2.5 to 2.5	Pass
				0	3.85	3.204	0.0018	-2.5 to 2.5	Pass
				10	3.85	3.376	0.0019	-2.5 to 2.5	Pass
				30	3.85	6.065	0.0035	-2.5 to 2.5	Pass
				40	3.85	5.851	0.0033	-2.5 to 2.5	Pass
				50	3.85	2.360	0.0013	-2.5 to 2.5	Pass

## 2.4 B4\_10MHz

### 2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1715	50	0	20	3.27	3.190	0.0019	-2.5 to 2.5	Pass			
					3.85	3.862	0.0023	-2.5 to 2.5	Pass			
					4.43	4.449	0.0026	-2.5 to 2.5	Pass			
				-30	3.85	3.119	0.0018	-2.5 to 2.5	Pass			
				-20	3.85	3.648	0.0021	-2.5 to 2.5	Pass			
				-10	3.85	4.377	0.0026	-2.5 to 2.5	Pass			
				0	3.85	2.632	0.0015	-2.5 to 2.5	Pass			
				10	3.85	3.047	0.0018	-2.5 to 2.5	Pass			
				30	3.85	2.203	0.0013	-2.5 to 2.5	Pass			
				40	3.85	2.675	0.0016	-2.5 to 2.5	Pass			
				50	3.85	2.475	0.0014	-2.5 to 2.5	Pass			
				1732.5	50	0	20	3.27	2.961	0.0017	-2.5 to 2.5	Pass
								3.85	4.063	0.0023	-2.5 to 2.5	Pass
								4.43	4.005	0.0023	-2.5 to 2.5	Pass
							-30	3.85	4.549	0.0026	-2.5 to 2.5	Pass
	-20	3.85	4.621				0.0027	-2.5 to 2.5	Pass			
	-10	3.85	6.151				0.0036	-2.5 to 2.5	Pass			
	0	3.85	4.535				0.0026	-2.5 to 2.5	Pass			
	10	3.85	7.224				0.0042	-2.5 to 2.5	Pass			
	30	3.85	5.636				0.0033	-2.5 to 2.5	Pass			
	40	3.85	7.153				0.0041	-2.5 to 2.5	Pass			
	50	3.85	6.108				0.0035	-2.5 to 2.5	Pass			
	1750	50	0				20	3.27	6.351	0.0036	-2.5 to 2.5	Pass
								3.85	3.176	0.0018	-2.5 to 2.5	Pass
								4.43	5.908	0.0034	-2.5 to 2.5	Pass
							-30	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				-20	3.85	2.375	0.0014	-2.5 to 2.5	Pass			
				-10	3.85	3.791	0.0022	-2.5 to 2.5	Pass			
				0	3.85	3.161	0.0018	-2.5 to 2.5	Pass			
				10	3.85	1.903	0.0011	-2.5 to 2.5	Pass			
30				3.85	2.732	0.0016	-2.5 to 2.5	Pass				
40				3.85	4.406	0.0025	-2.5 to 2.5	Pass				

16QAM	1715	50	0	50	3.85	2.103	0.0012	-2.5 to 2.5	Pass
				20	3.27	0.715	0.0004	-2.5 to 2.5	Pass
					3.85	2.947	0.0017	-2.5 to 2.5	Pass
				20	4.43	1.960	0.0011	-2.5 to 2.5	Pass
					-30	3.85	2.489	0.0015	-2.5 to 2.5
				-20	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				10	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0009	-2.5 to 2.5	Pass
	40	3.85	3.462	0.0020	-2.5 to 2.5	Pass			
	50	3.85	1.888	0.0011	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.27	6.938	0.0040	-2.5 to 2.5	Pass
					3.85	5.651	0.0033	-2.5 to 2.5	Pass
				20	4.43	0.873	0.0005	-2.5 to 2.5	Pass
					-30	3.85	0.830	0.0005	-2.5 to 2.5
				-20	3.85	1.974	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				0	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
	50	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	5.107	0.0029	-2.5 to 2.5	Pass
					3.85	3.076	0.0018	-2.5 to 2.5	Pass
				20	4.43	4.721	0.0027	-2.5 to 2.5	Pass
					-30	3.85	4.091	0.0023	-2.5 to 2.5
				-20	3.85	4.334	0.0025	-2.5 to 2.5	Pass
				-10	3.85	5.550	0.0032	-2.5 to 2.5	Pass
				0	3.85	5.965	0.0034	-2.5 to 2.5	Pass
10				3.85	3.405	0.0019	-2.5 to 2.5	Pass	
30				3.85	2.890	0.0017	-2.5 to 2.5	Pass	
40				3.85	3.805	0.0022	-2.5 to 2.5	Pass	
50	3.85	3.419	0.0020	-2.5 to 2.5	Pass				

## 2.5 B4\_15MHz

### 2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	2.046	0.0012	-2.5 to 2.5	Pass
					3.85	2.489	0.0014	-2.5 to 2.5	Pass
				20	4.43	1.416	0.0008	-2.5 to 2.5	Pass
					-30	3.85	3.476	0.0020	-2.5 to 2.5
				-20	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				-10	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				0	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				10	3.85	4.992	0.0029	-2.5 to 2.5	Pass
				30	3.85	2.089	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.431	0.0008	-2.5 to 2.5	Pass
	50	3.85	1.230	0.0007	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.27	2.275	0.0013	-2.5 to 2.5	Pass
					3.85	1.330	0.0008	-2.5 to 2.5	Pass
				20	4.43	1.087	0.0006	-2.5 to 2.5	Pass
-30					3.85	1.030	0.0006	-2.5 to 2.5	Pass

				-20	3.85	2.203	0.0013	-2.5 to 2.5	Pass	
				-10	3.85	2.260	0.0013	-2.5 to 2.5	Pass	
				0	3.85	2.418	0.0014	-2.5 to 2.5	Pass	
				10	3.85	2.589	0.0015	-2.5 to 2.5	Pass	
				30	3.85	1.431	0.0008	-2.5 to 2.5	Pass	
				40	3.85	1.874	0.0011	-2.5 to 2.5	Pass	
	50	3.85	2.360	0.0014	-2.5 to 2.5	Pass				
	1747.5	75	0	20	3.27	1.631	0.0009	-2.5 to 2.5	Pass	
					3.85	2.418	0.0014	-2.5 to 2.5	Pass	
					4.43	2.561	0.0015	-2.5 to 2.5	Pass	
				-30	3.85	2.003	0.0011	-2.5 to 2.5	Pass	
				-20	3.85	3.448	0.0020	-2.5 to 2.5	Pass	
				-10	3.85	4.206	0.0024	-2.5 to 2.5	Pass	
		0	3.85	2.804	0.0016	-2.5 to 2.5	Pass			
		10	3.85	3.476	0.0020	-2.5 to 2.5	Pass			
		30	3.85	1.631	0.0009	-2.5 to 2.5	Pass			
		40	3.85	3.290	0.0019	-2.5 to 2.5	Pass			
		50	3.85	3.490	0.0020	-2.5 to 2.5	Pass			
16QAM		1717.5	75	0	20	3.27	2.503	0.0015	-2.5 to 2.5	Pass
	3.85					1.545	0.0009	-2.5 to 2.5	Pass	
	4.43					0.000	0.0000	-2.5 to 2.5	Pass	
	-30				3.85	4.220	0.0025	-2.5 to 2.5	Pass	
	-20				3.85	0.043	0.0000	-2.5 to 2.5	Pass	
	-10				3.85	1.287	0.0007	-2.5 to 2.5	Pass	
	0		3.85	2.546	0.0015	-2.5 to 2.5	Pass			
	10		3.85	1.187	0.0007	-2.5 to 2.5	Pass			
	30		3.85	1.845	0.0011	-2.5 to 2.5	Pass			
	40		3.85	1.259	0.0007	-2.5 to 2.5	Pass			
	50		3.85	1.731	0.0010	-2.5 to 2.5	Pass			
	1732.5		75	0	20	3.27	1.659	0.0010	-2.5 to 2.5	Pass
		3.85				3.147	0.0018	-2.5 to 2.5	Pass	
		4.43				2.975	0.0017	-2.5 to 2.5	Pass	
		-30			3.85	1.717	0.0010	-2.5 to 2.5	Pass	
		-20			3.85	0.386	0.0002	-2.5 to 2.5	Pass	
		-10			3.85	2.789	0.0016	-2.5 to 2.5	Pass	
		0	3.85	3.605	0.0021	-2.5 to 2.5	Pass			
		10	3.85	2.260	0.0013	-2.5 to 2.5	Pass			
		30	3.85	2.360	0.0014	-2.5 to 2.5	Pass			
		40	3.85	3.290	0.0019	-2.5 to 2.5	Pass			
		50	3.85	4.420	0.0026	-2.5 to 2.5	Pass			
		1747.5	75	0	20	3.27	1.445	0.0008	-2.5 to 2.5	Pass
						3.85	2.632	0.0015	-2.5 to 2.5	Pass
						4.43	5.236	0.0030	-2.5 to 2.5	Pass
					-30	3.85	3.033	0.0017	-2.5 to 2.5	Pass
					-20	3.85	1.616	0.0009	-2.5 to 2.5	Pass
					-10	3.85	4.735	0.0027	-2.5 to 2.5	Pass
			0	3.85	2.418	0.0014	-2.5 to 2.5	Pass		
	10		3.85	2.031	0.0012	-2.5 to 2.5	Pass			
30	3.85		1.016	0.0006	-2.5 to 2.5	Pass				
40	3.85		2.804	0.0016	-2.5 to 2.5	Pass				
50	3.85		3.834	0.0022	-2.5 to 2.5	Pass				

## 2.6 B4\_20MHz

### 2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	3.304	0.0019	-2.5 to 2.5	Pass
					3.85	3.619	0.0021	-2.5 to 2.5	Pass
					4.43	2.761	0.0016	-2.5 to 2.5	Pass
				-30	3.85	3.562	0.0021	-2.5 to 2.5	Pass
				-20	3.85	3.219	0.0019	-2.5 to 2.5	Pass
				-10	3.85	3.448	0.0020	-2.5 to 2.5	Pass
				0	3.85	1.574	0.0009	-2.5 to 2.5	Pass
				10	3.85	3.519	0.0020	-2.5 to 2.5	Pass
				30	3.85	3.533	0.0021	-2.5 to 2.5	Pass
				40	3.85	4.320	0.0025	-2.5 to 2.5	Pass
	50	3.85	3.648	0.0021	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	4.492	0.0026	-2.5 to 2.5	Pass
					3.85	4.020	0.0023	-2.5 to 2.5	Pass
					4.43	4.692	0.0027	-2.5 to 2.5	Pass
				-30	3.85	3.376	0.0019	-2.5 to 2.5	Pass
				-20	3.85	3.247	0.0019	-2.5 to 2.5	Pass
				-10	3.85	2.961	0.0017	-2.5 to 2.5	Pass
				0	3.85	4.449	0.0026	-2.5 to 2.5	Pass
				10	3.85	3.691	0.0021	-2.5 to 2.5	Pass
				30	3.85	3.934	0.0023	-2.5 to 2.5	Pass
				40	3.85	4.621	0.0027	-2.5 to 2.5	Pass
	50	3.85	3.619	0.0021	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	0.587	0.0003	-2.5 to 2.5	Pass
					3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
					4.43	2.103	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				0	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
30				3.85	-0.086	0.0000	-2.5 to 2.5	Pass	
40				3.85	1.674	0.0010	-2.5 to 2.5	Pass	
50	3.85	1.259	0.0007	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.27	3.791	0.0022	-2.5 to 2.5	Pass
					3.85	4.077	0.0024	-2.5 to 2.5	Pass
					4.43	4.220	0.0025	-2.5 to 2.5	Pass
				-30	3.85	3.419	0.0020	-2.5 to 2.5	Pass
				-20	3.85	3.405	0.0020	-2.5 to 2.5	Pass
				-10	3.85	3.376	0.0020	-2.5 to 2.5	Pass
				0	3.85	3.390	0.0020	-2.5 to 2.5	Pass
				10	3.85	4.721	0.0027	-2.5 to 2.5	Pass
				30	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				40	3.85	2.675	0.0016	-2.5 to 2.5	Pass
	50	3.85	4.520	0.0026	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	4.435	0.0026	-2.5 to 2.5	Pass
					3.85	6.323	0.0036	-2.5 to 2.5	Pass
					4.43	6.394	0.0037	-2.5 to 2.5	Pass
				-30	3.85	7.224	0.0042	-2.5 to 2.5	Pass
				-20	3.85	4.506	0.0026	-2.5 to 2.5	Pass
				-10	3.85	3.047	0.0018	-2.5 to 2.5	Pass
				0	3.85	5.236	0.0030	-2.5 to 2.5	Pass
				10	3.85	3.662	0.0021	-2.5 to 2.5	Pass
				30	3.85	5.150	0.0030	-2.5 to 2.5	Pass
				40	3.85	4.692	0.0027	-2.5 to 2.5	Pass
	50	3.85	5.207	0.0030	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	1.073	0.0006	-2.5 to 2.5	Pass
3.85					-0.157	-0.0001	-2.5 to 2.5	Pass	

					4.43	0.372	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.587	0.0003	-2.5 to 2.5	Pass

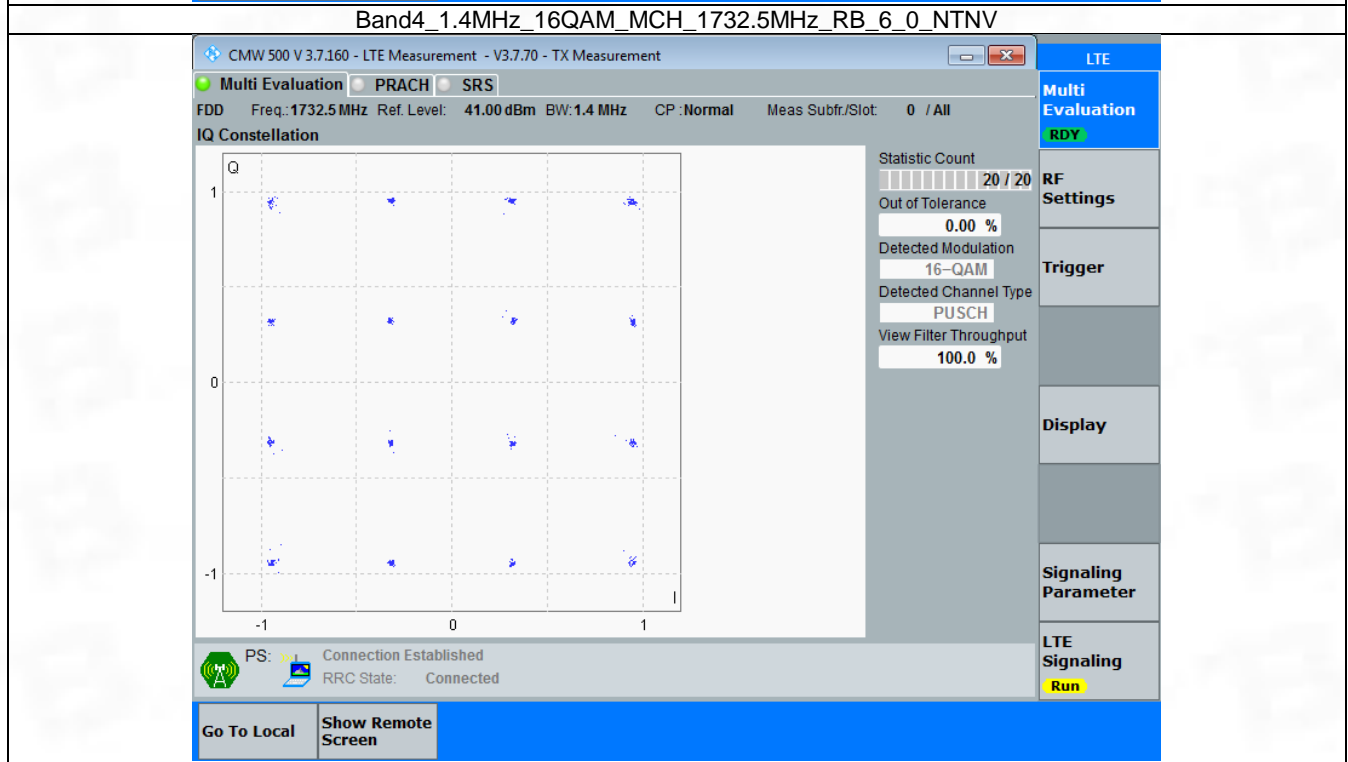
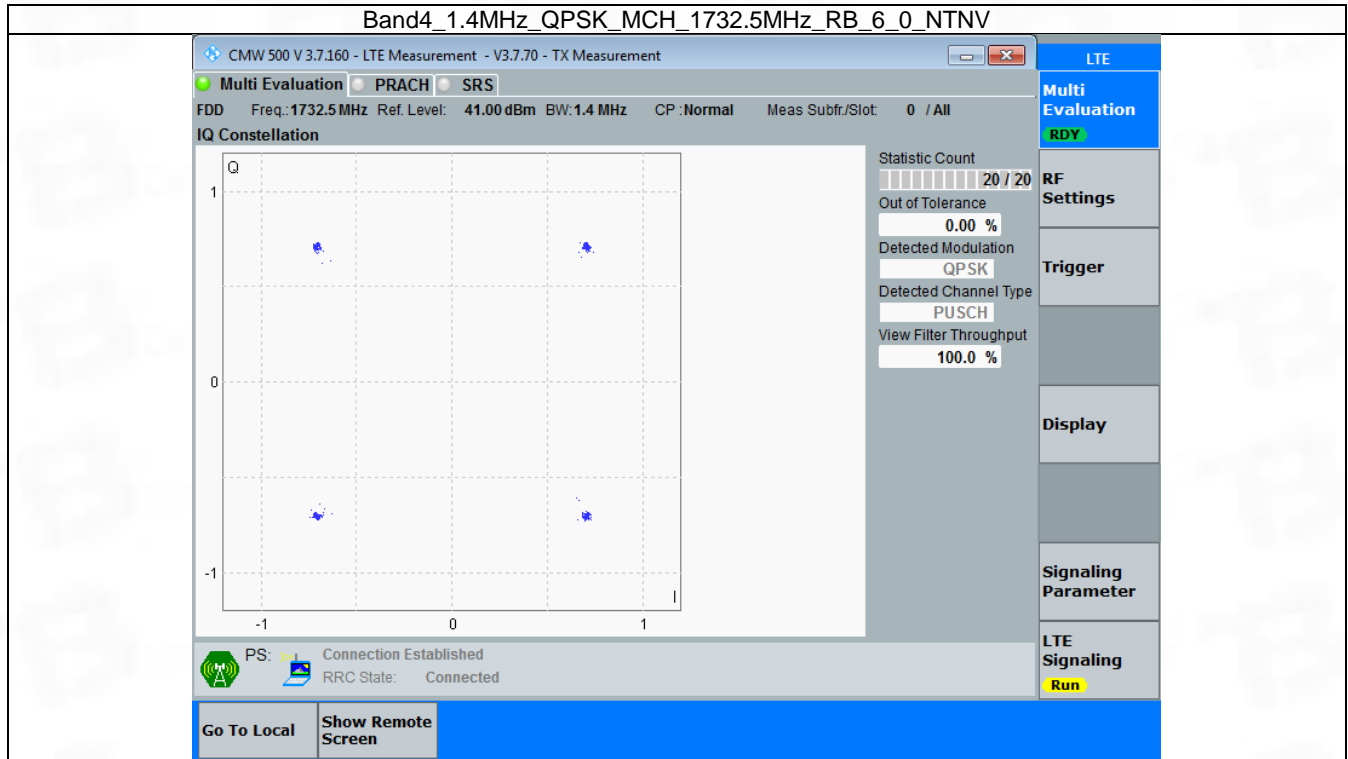
### 3. Modulation Characteristics

#### 3.1 B4\_1.4MHz

##### 3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

### 3.1.2 Test Graph



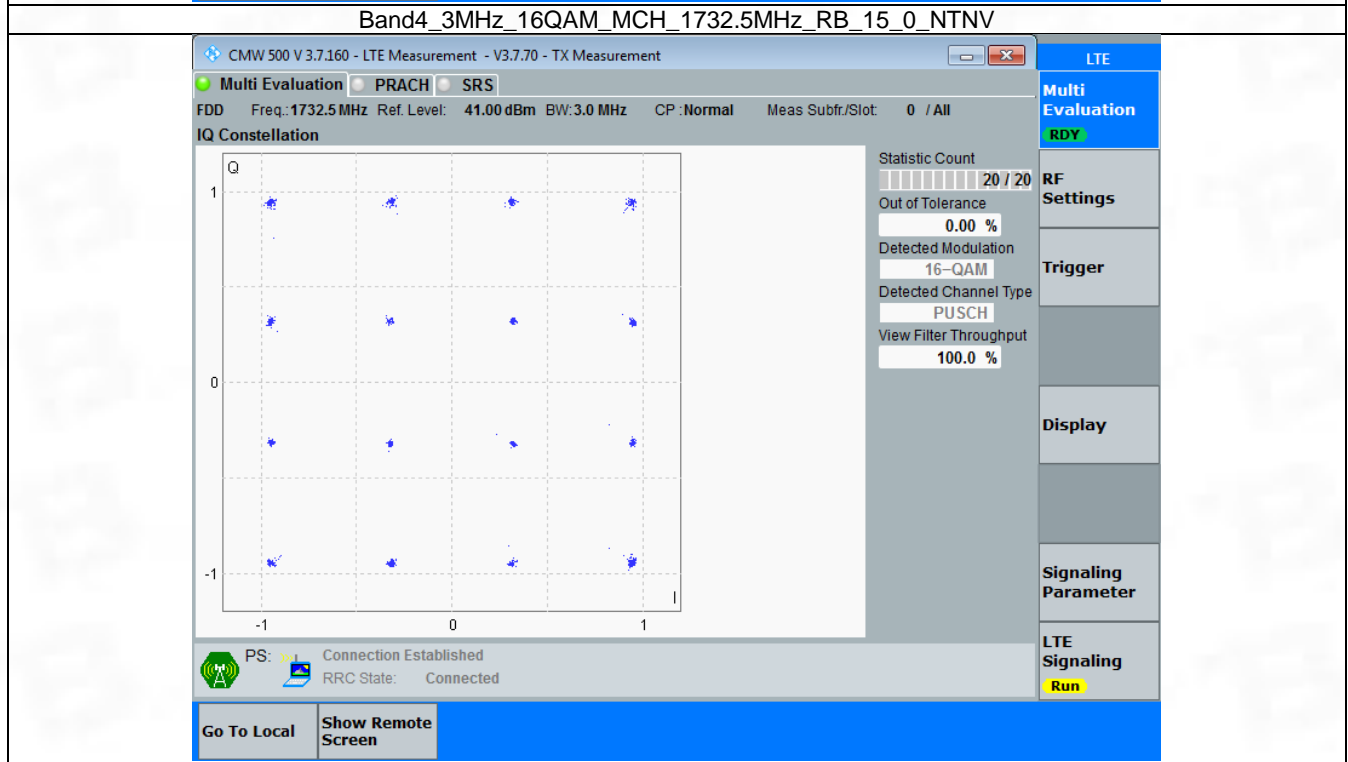
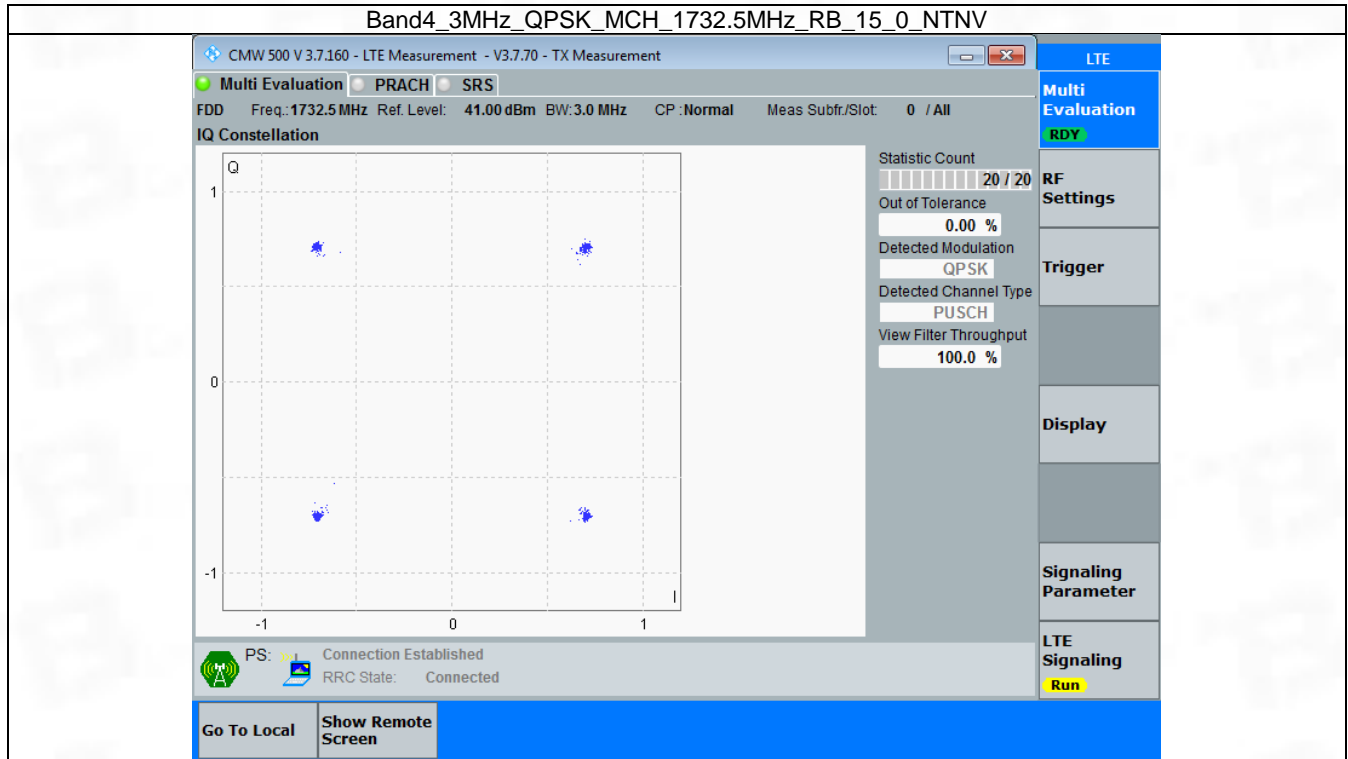
3.2 B4\_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph	Pass	
16QAM	1732.5	15	0	Refer To Test Graph	Pass	



### 3.2.2 Test Graph

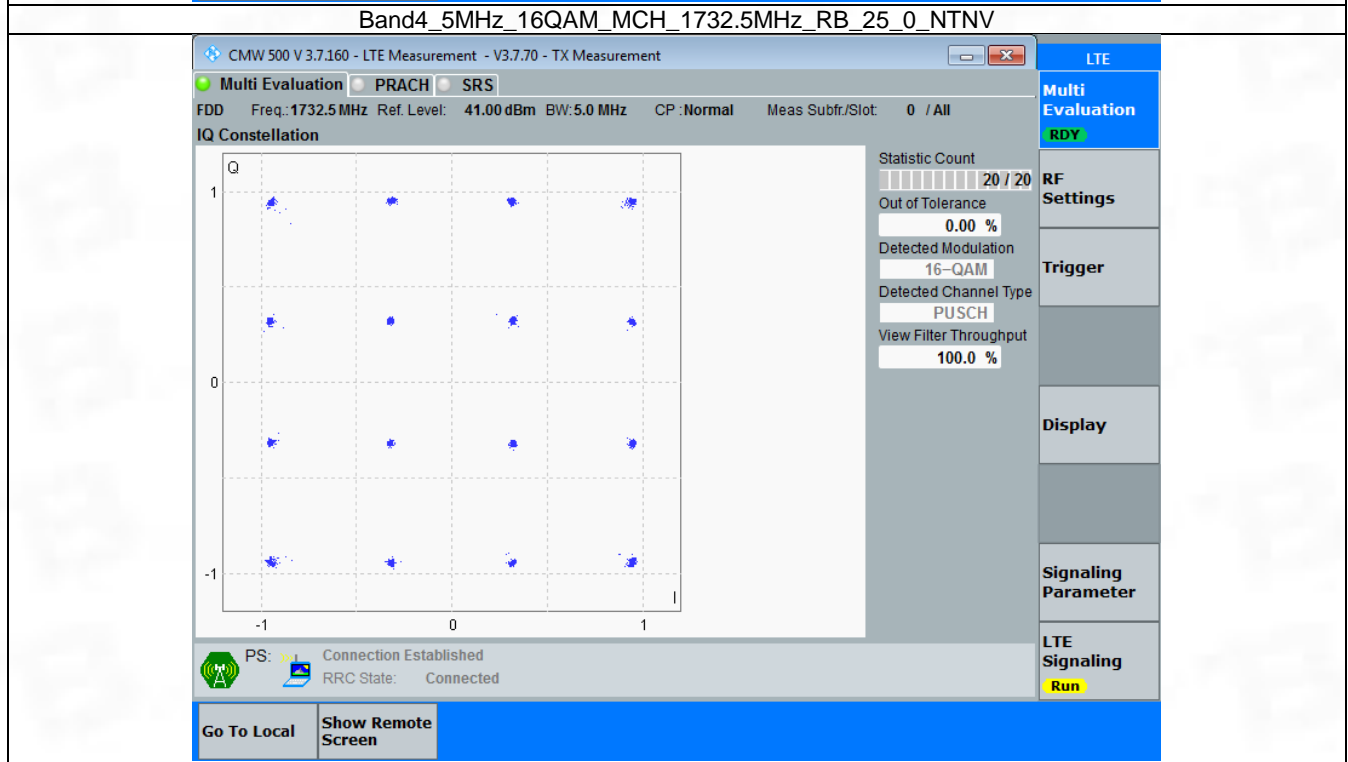
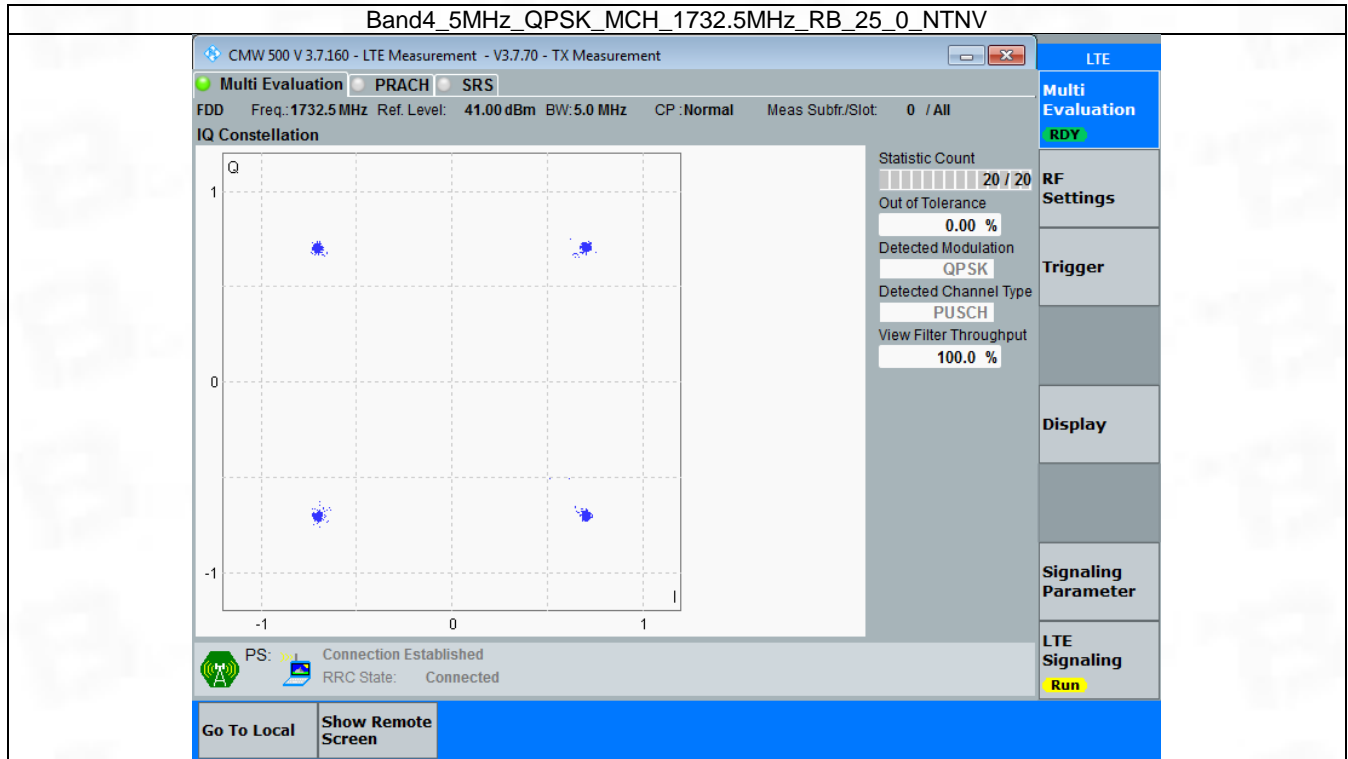


3.3 B4\_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph	Pass	
16QAM	1732.5	25	0	Refer To Test Graph	Pass	

### 3.3.2 Test Graph

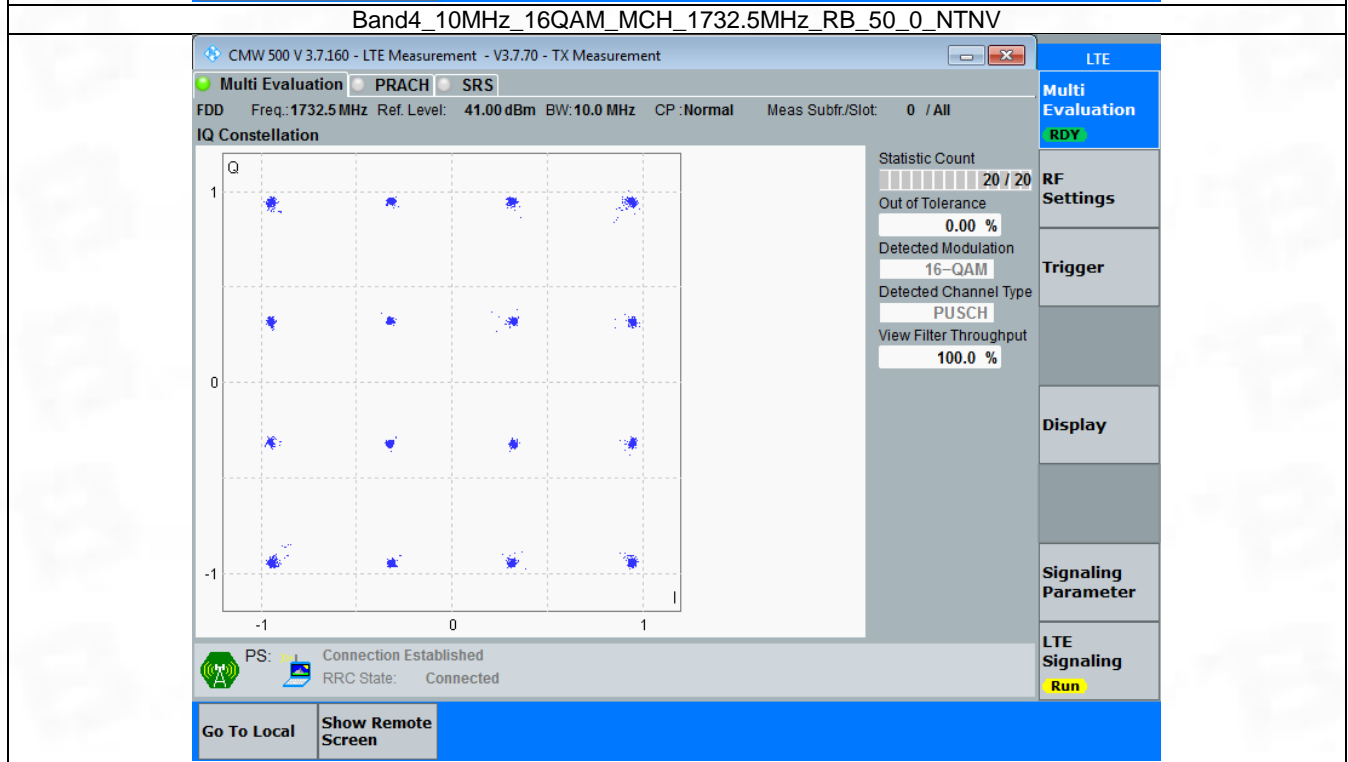
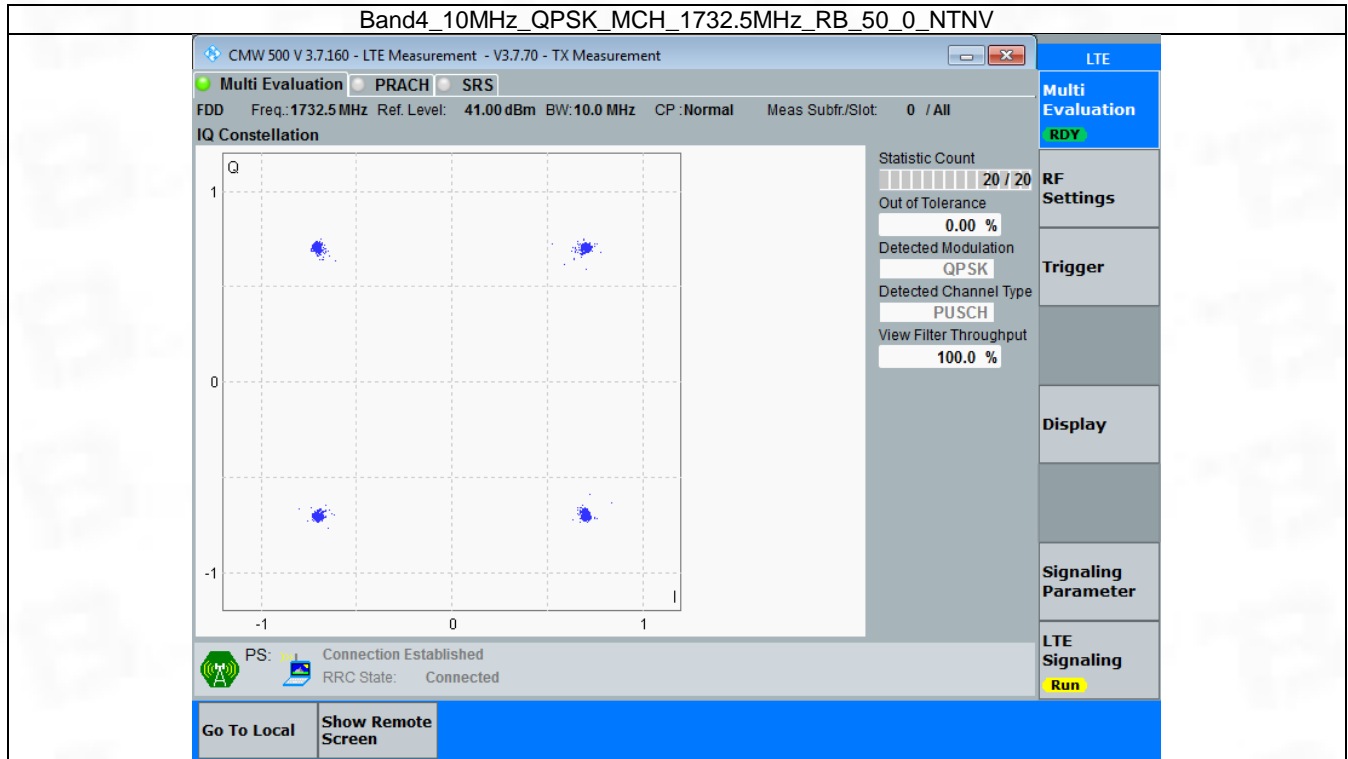


### 3.4 B4\_10MHz

#### 3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph	Pass	
16QAM	1732.5	50	0	Refer To Test Graph	Pass	

### 3.4.2 Test Graph

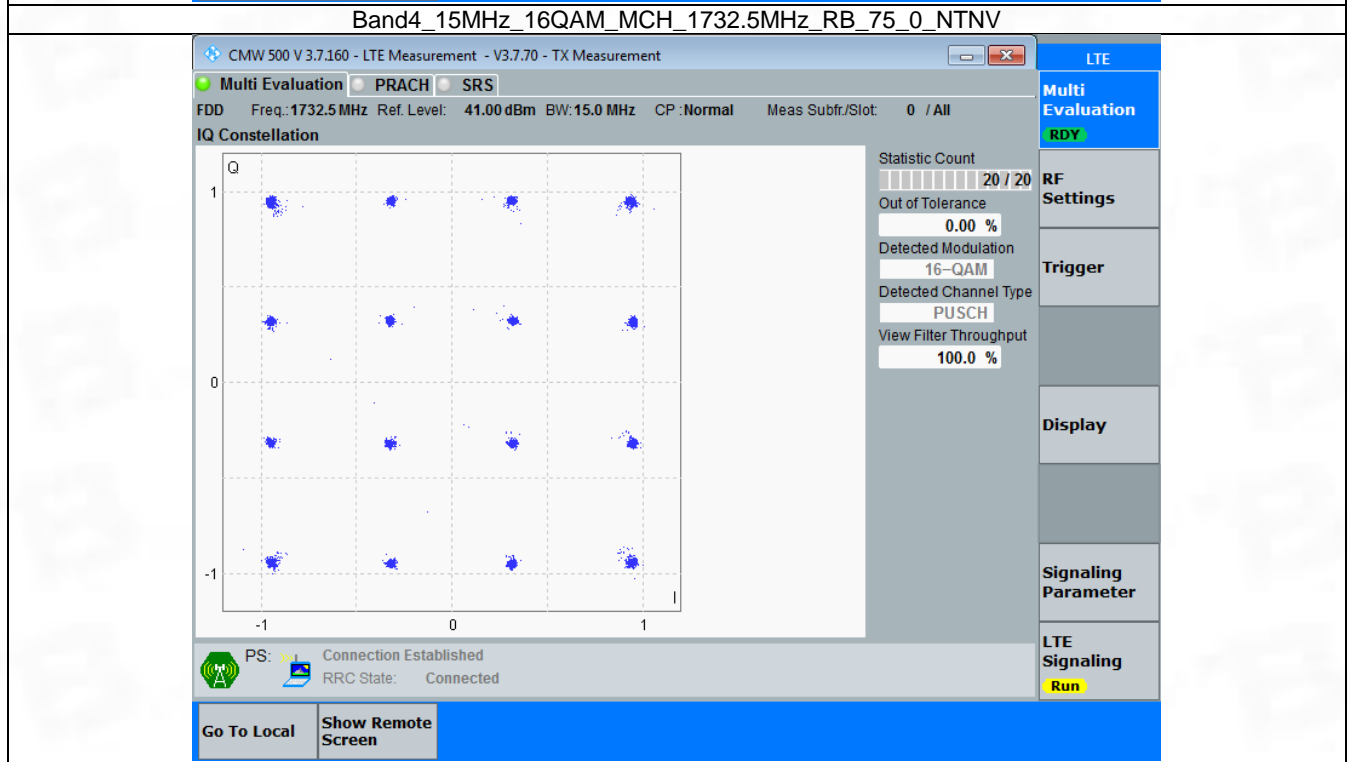
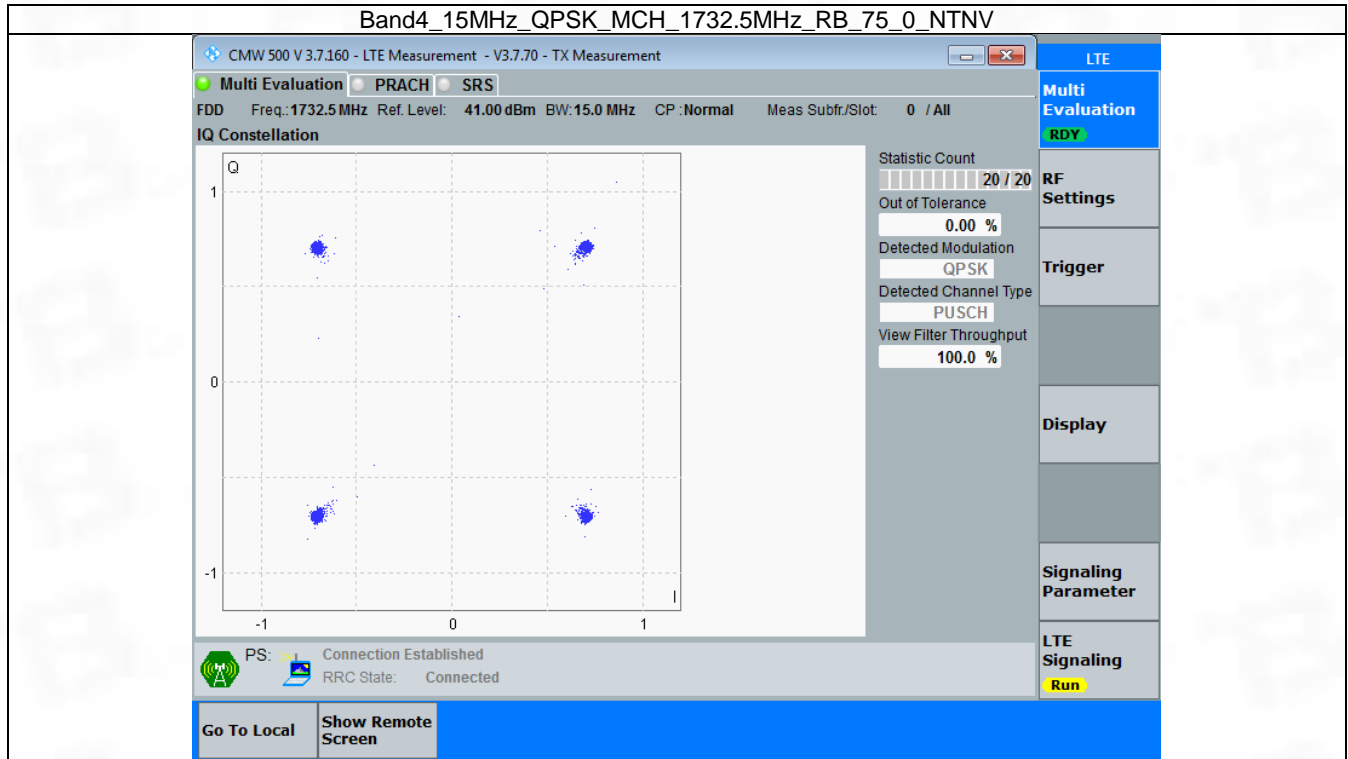


3.5 B4\_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph	Pass	
16QAM	1732.5	75	0	Refer To Test Graph	Pass	

### 3.5.2 Test Graph



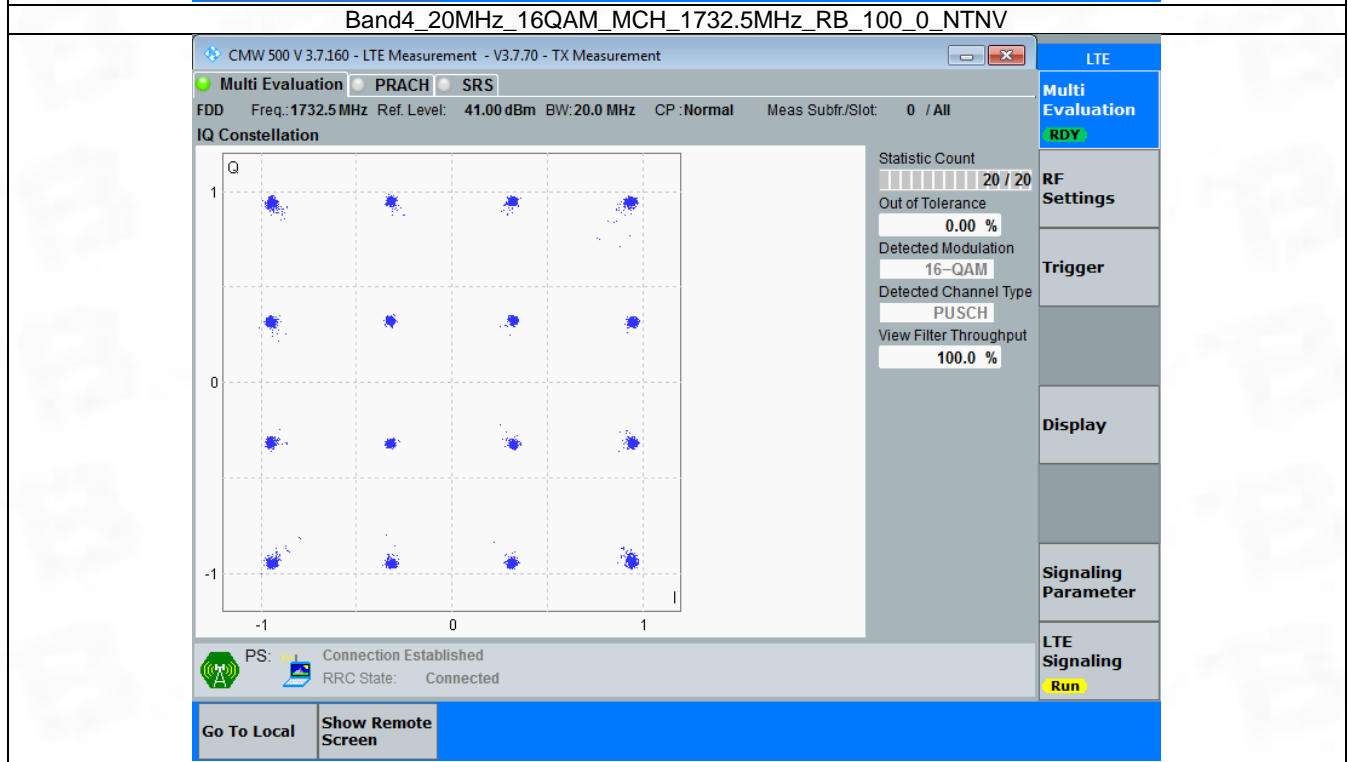
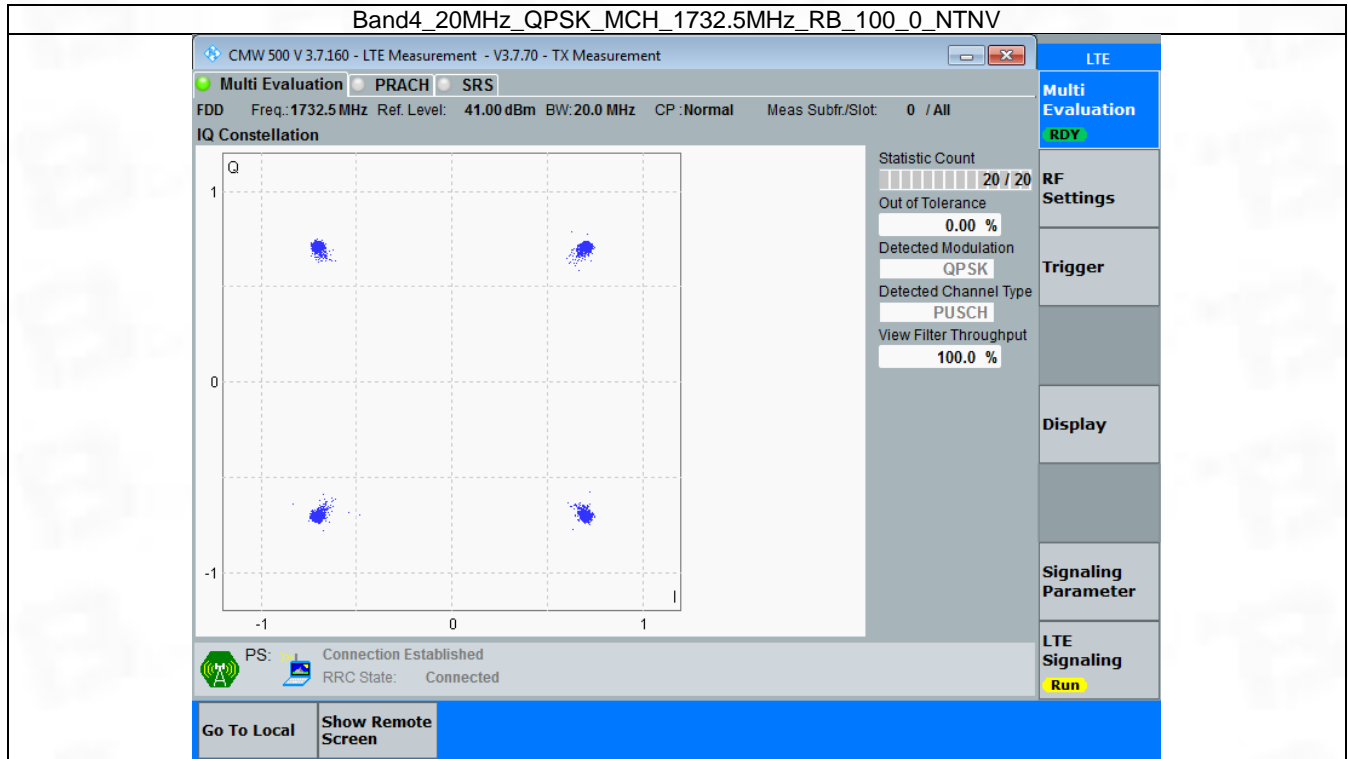
3.6 B4\_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph	Pass	
16QAM	1732.5	100	0	Refer To Test Graph	Pass	



### 3.6.2 Test Graph



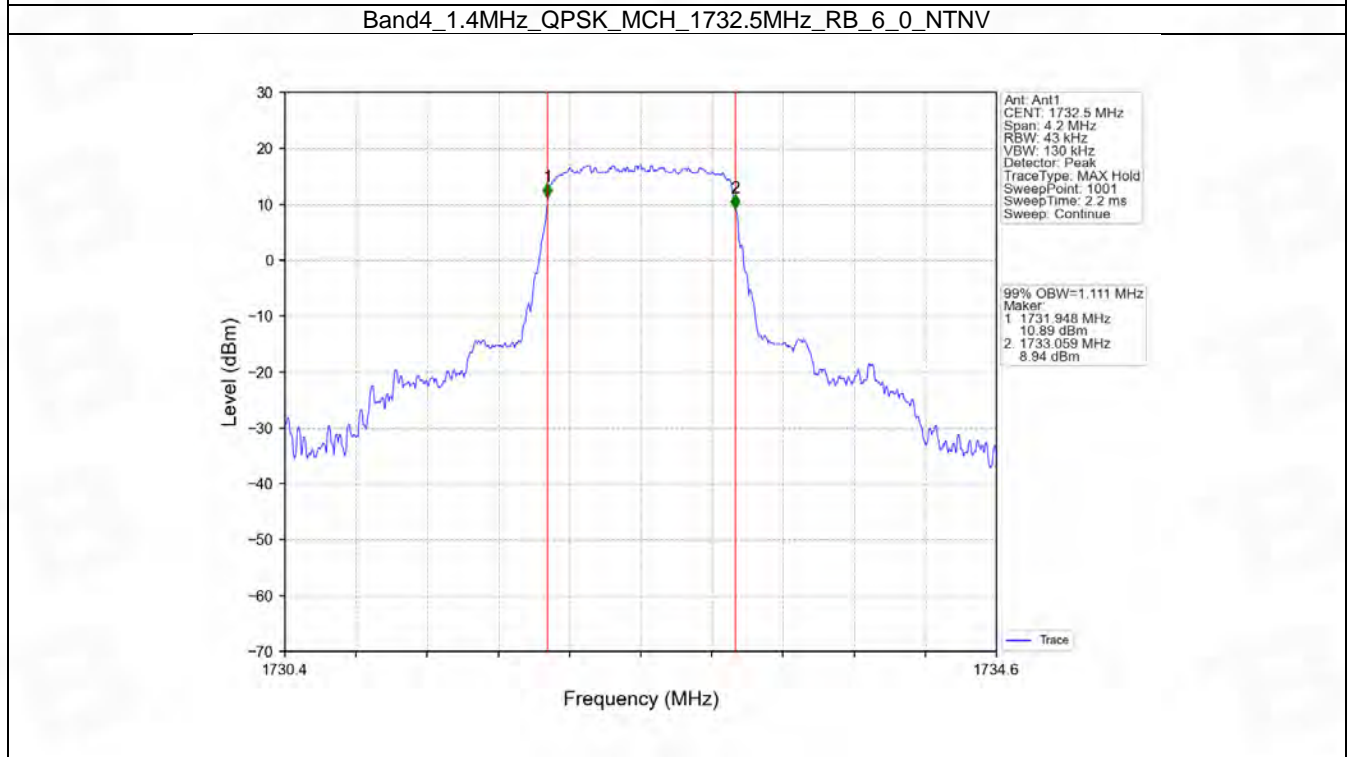
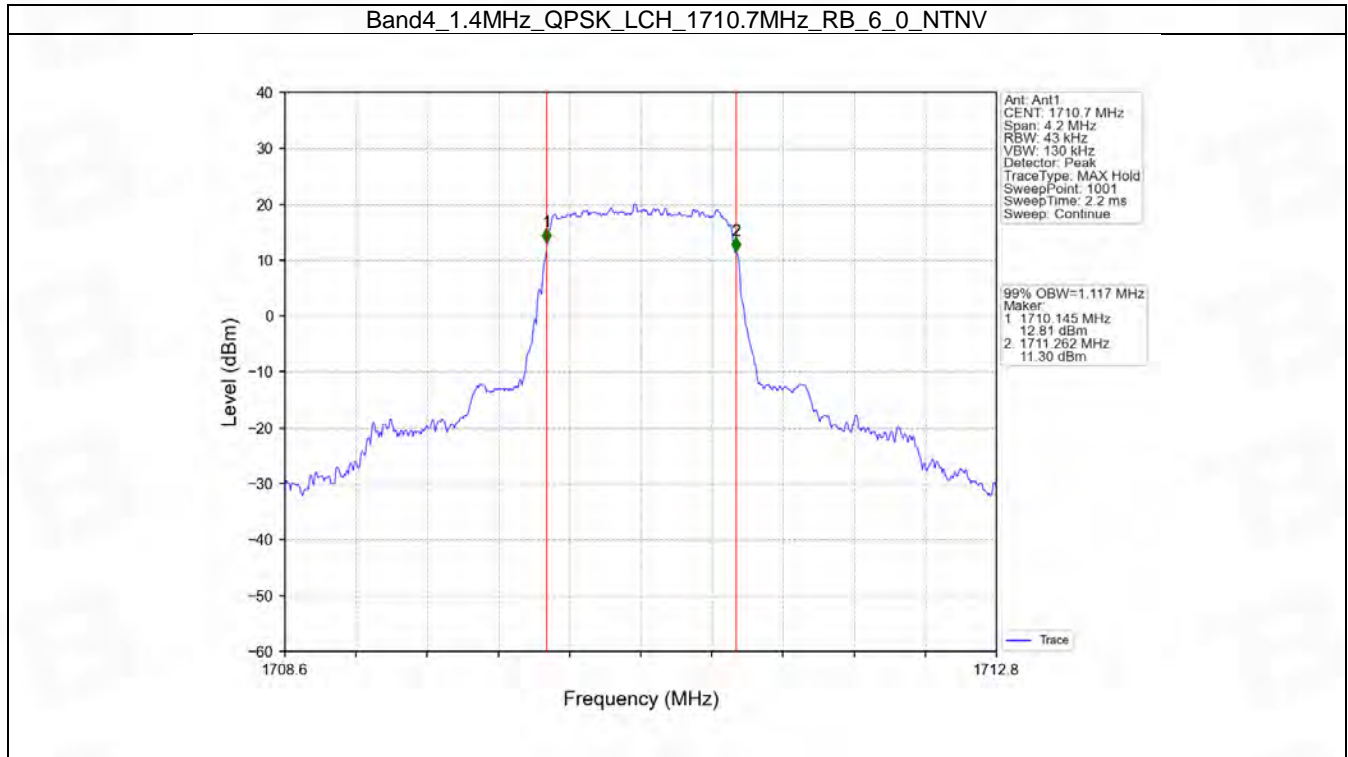
## 4. 99% & 26dB Bandwidth

### 4.1 Band4\_OBW

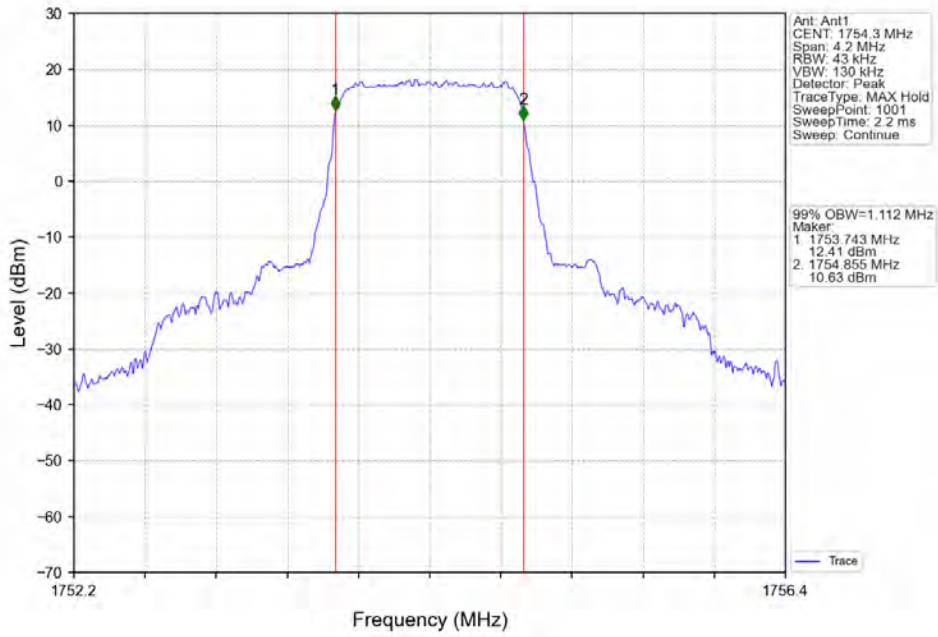
#### 4.1.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.117	/	Pass
		1732.5	6	0	1.111	/	Pass
		1754.3	6	0	1.112	/	Pass
	16QAM	1710.7	6	0	1.114	/	Pass
		1732.5	6	0	1.102	/	Pass
		1754.3	6	0	1.114	/	Pass
3	QPSK	1711.5	15	0	2.733	/	Pass
		1732.5	15	0	2.730	/	Pass
		1753.5	15	0	2.728	/	Pass
	16QAM	1711.5	15	0	2.724	/	Pass
		1732.5	15	0	2.727	/	Pass
		1753.5	15	0	2.719	/	Pass
5	QPSK	1712.5	25	0	4.548	/	Pass
		1732.5	25	0	4.543	/	Pass
		1752.5	25	0	4.553	/	Pass
	16QAM	1712.5	25	0	4.552	/	Pass
		1732.5	25	0	4.565	/	Pass
		1752.5	25	0	4.521	/	Pass
10	QPSK	1715	50	0	9.069	/	Pass
		1732.5	50	0	9.037	/	Pass
		1750	50	0	9.045	/	Pass
	16QAM	1715	50	0	9.034	/	Pass
		1732.5	50	0	9.047	/	Pass
		1750	50	0	9.069	/	Pass
15	QPSK	1717.5	75	0	13.567	/	Pass
		1732.5	75	0	13.570	/	Pass
		1747.5	75	0	13.595	/	Pass
	16QAM	1717.5	75	0	13.581	/	Pass
		1732.5	75	0	13.592	/	Pass
		1747.5	75	0	13.581	/	Pass
20	QPSK	1720	100	0	18.084	/	Pass
		1732.5	100	0	18.115	/	Pass
		1745	100	0	18.122	/	Pass
	16QAM	1720	100	0	18.123	/	Pass
		1732.5	100	0	18.124	/	Pass
		1745	100	0	18.130	/	Pass

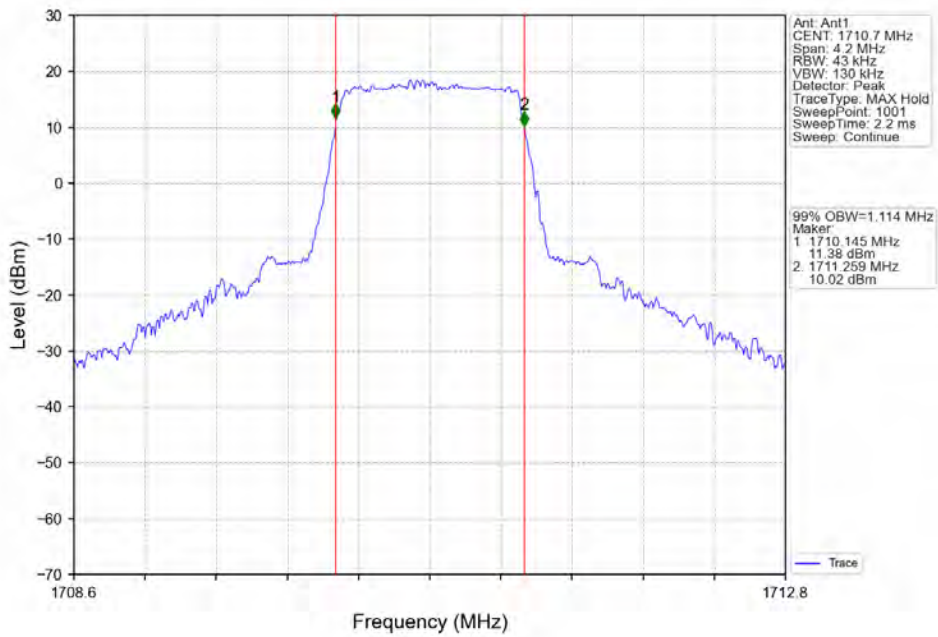
### 4.1.2 Test Graph



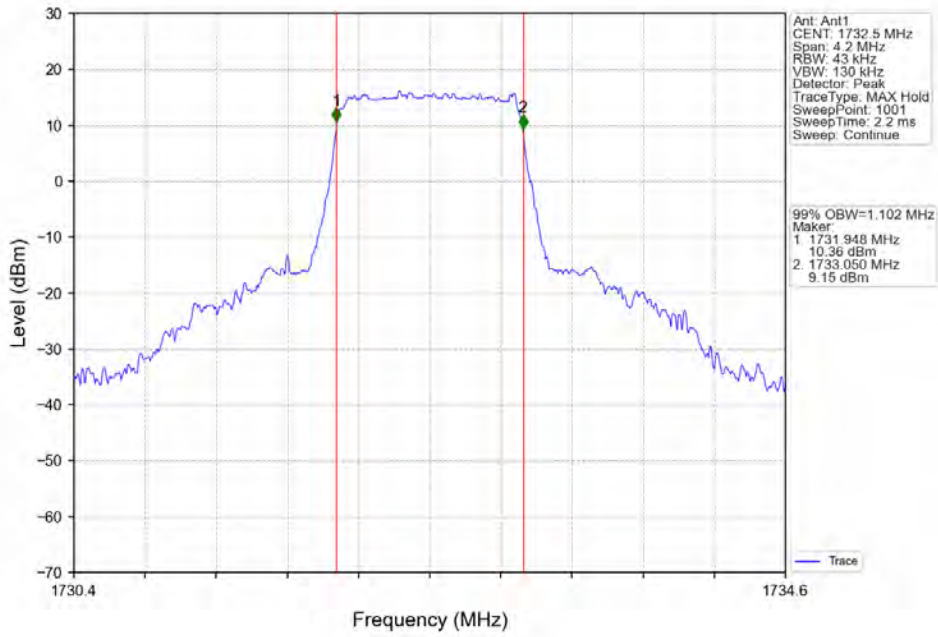
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



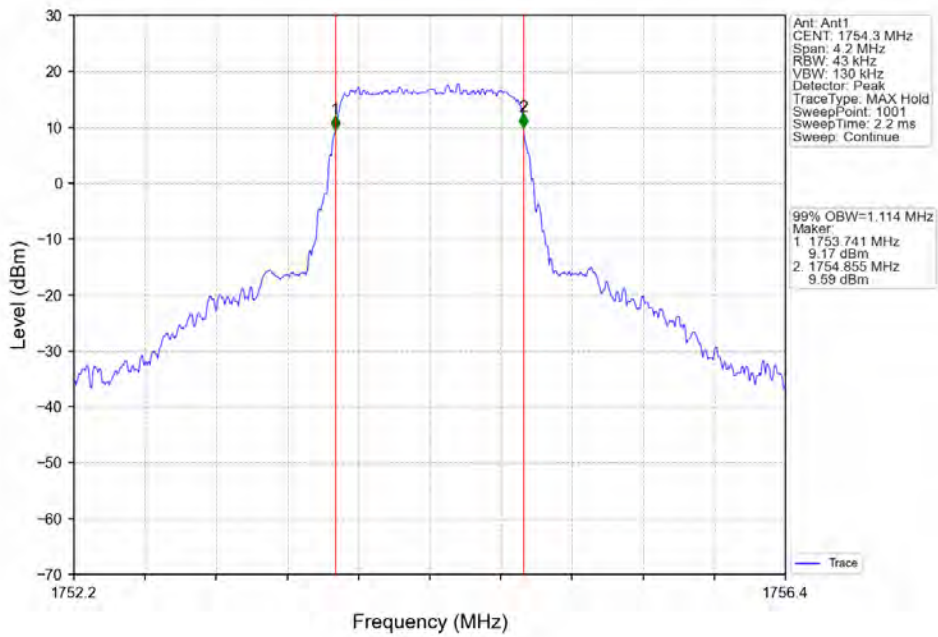
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



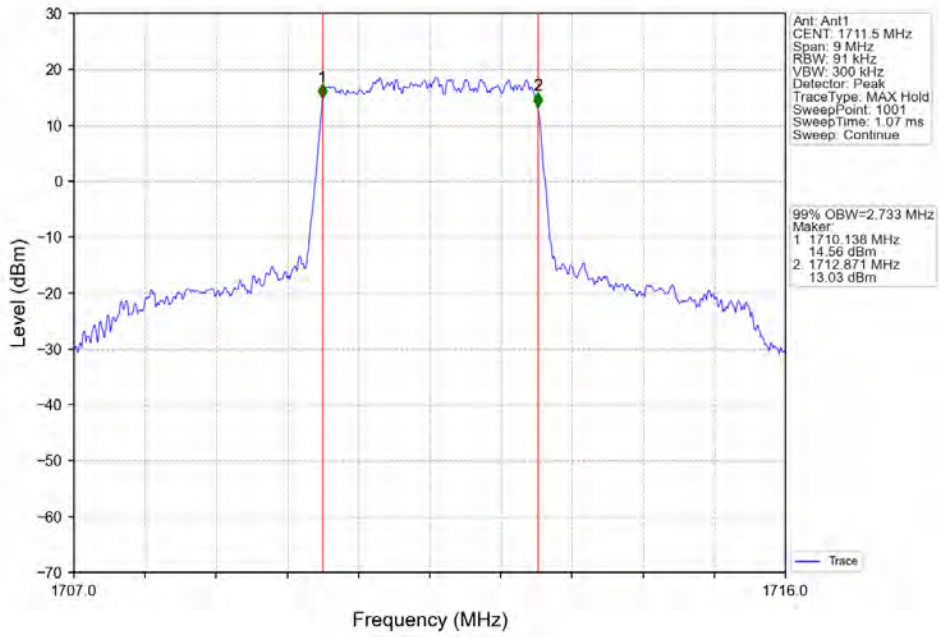
Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



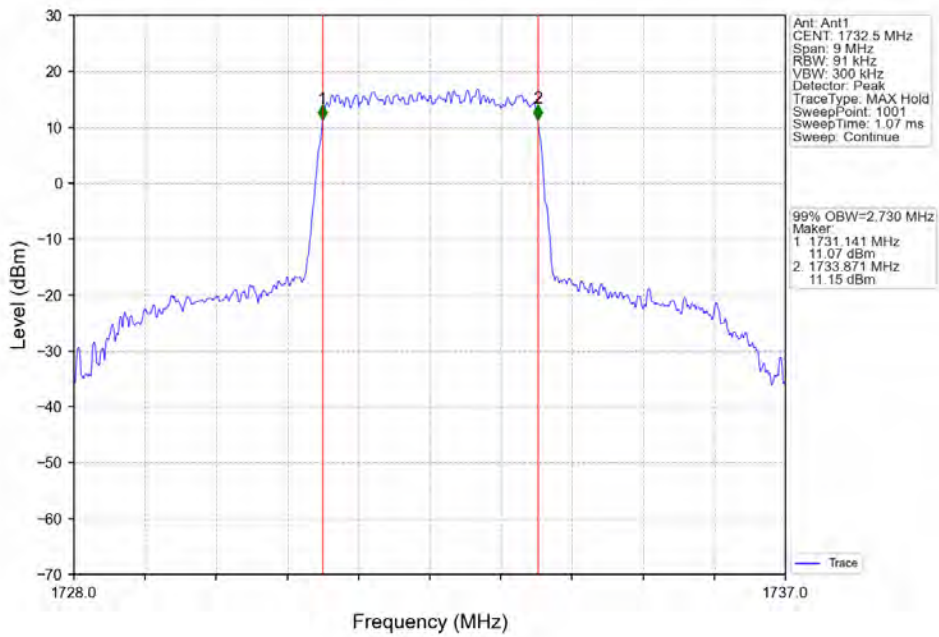
Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



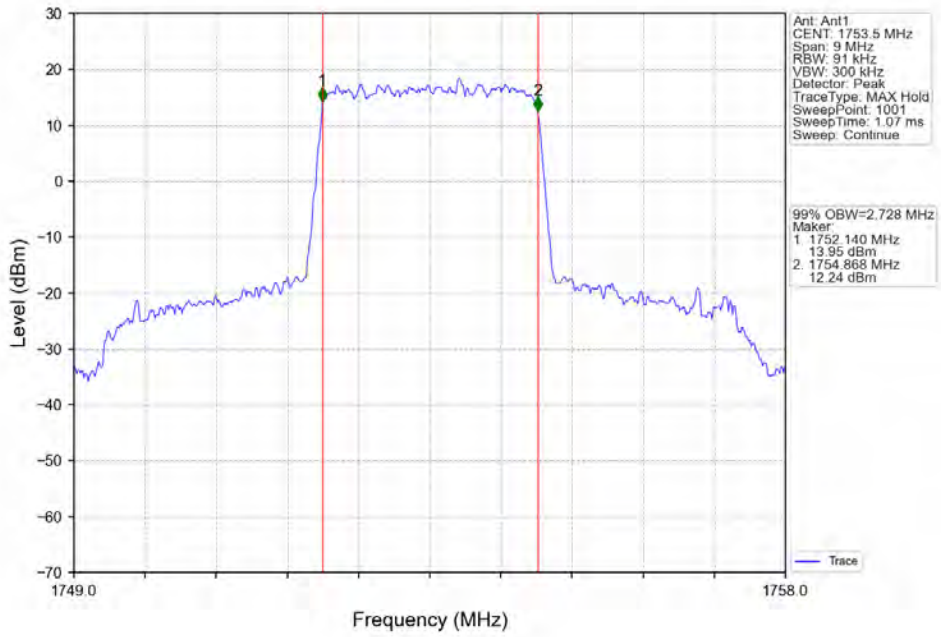
Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



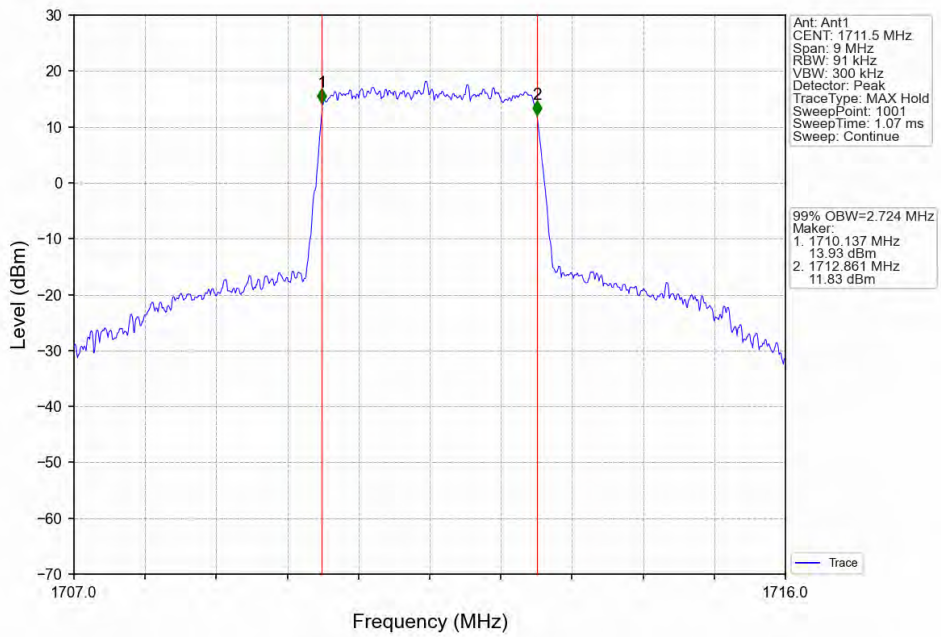
Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



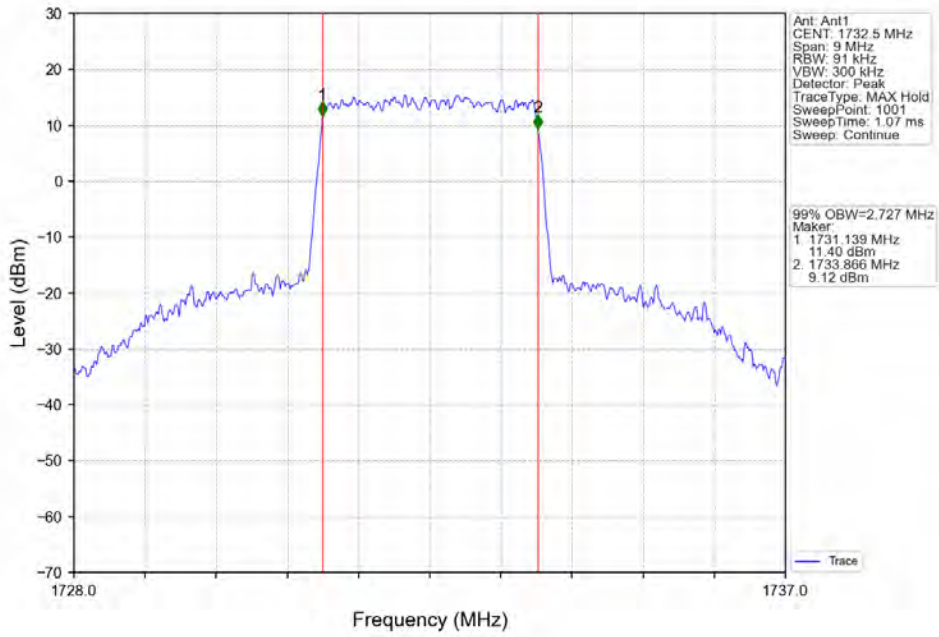
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



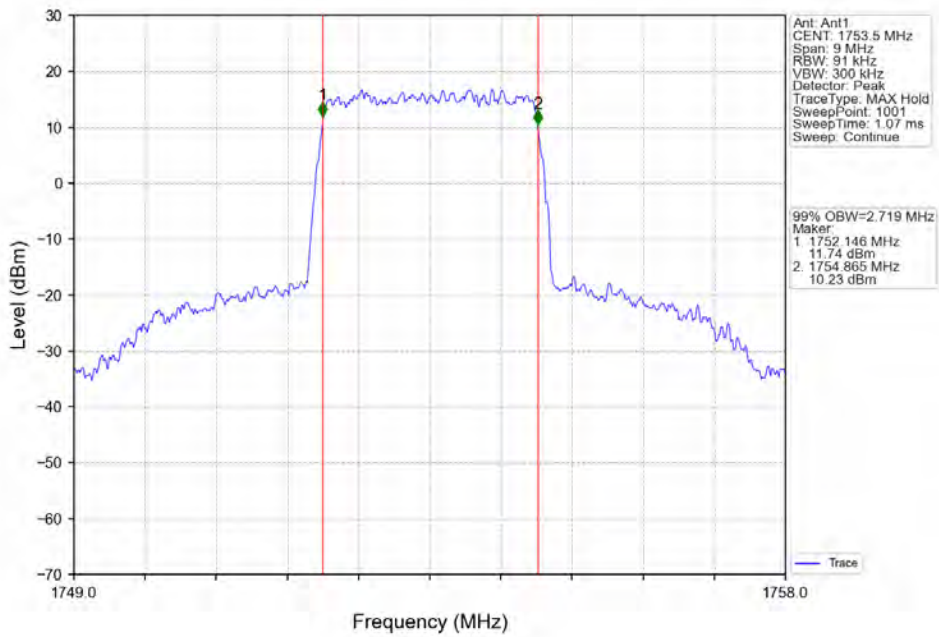
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV

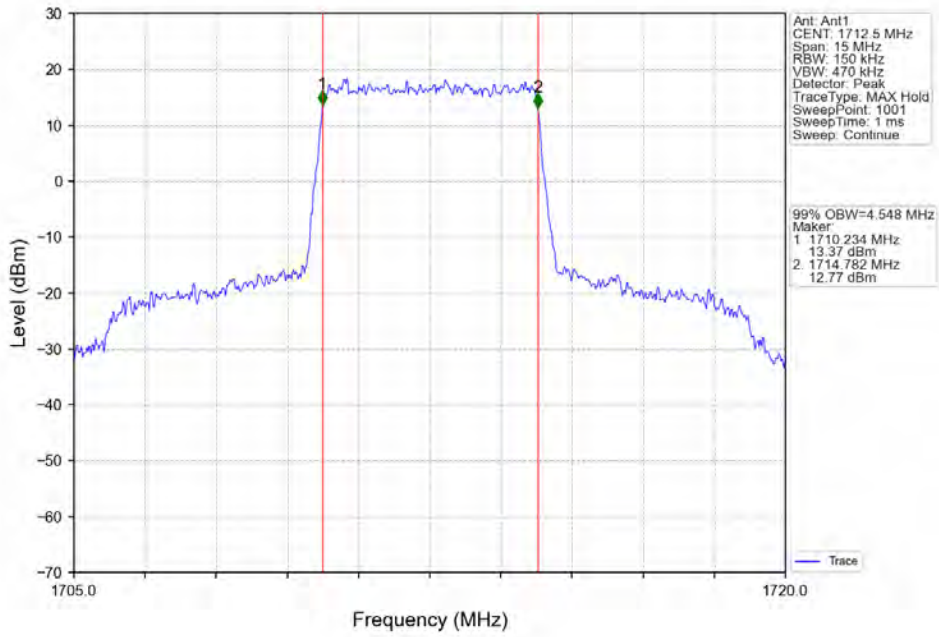


Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV

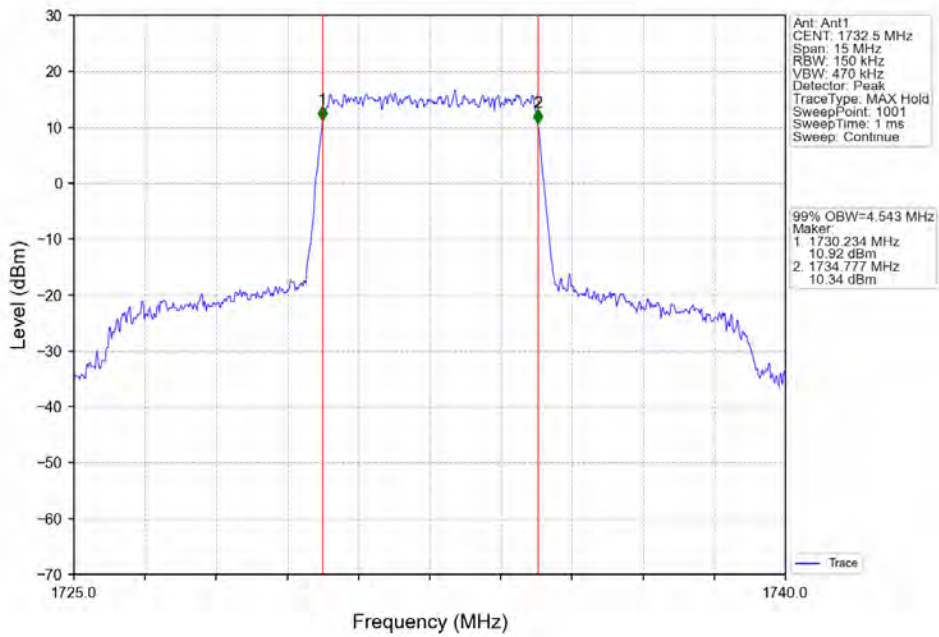




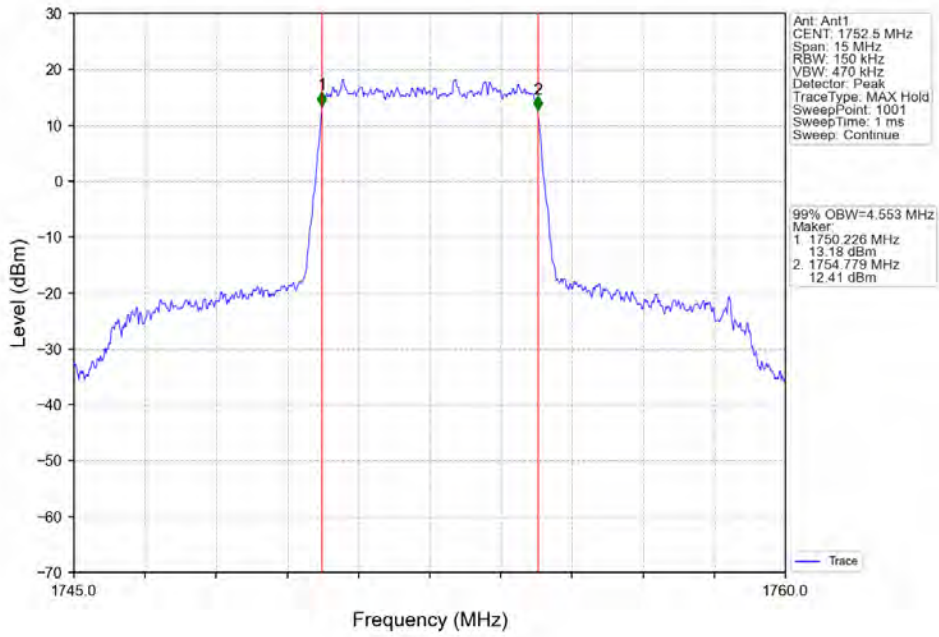
Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



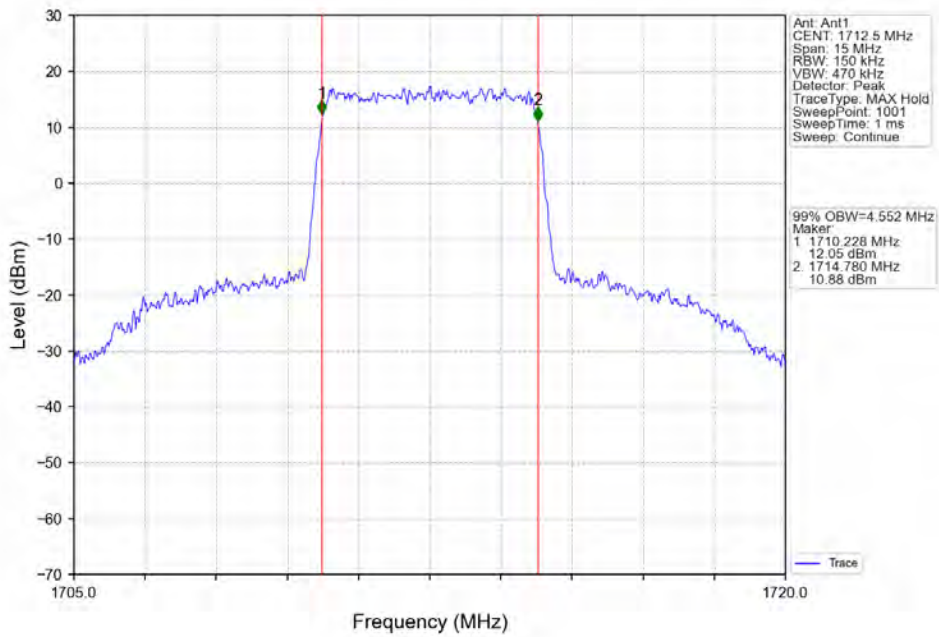
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



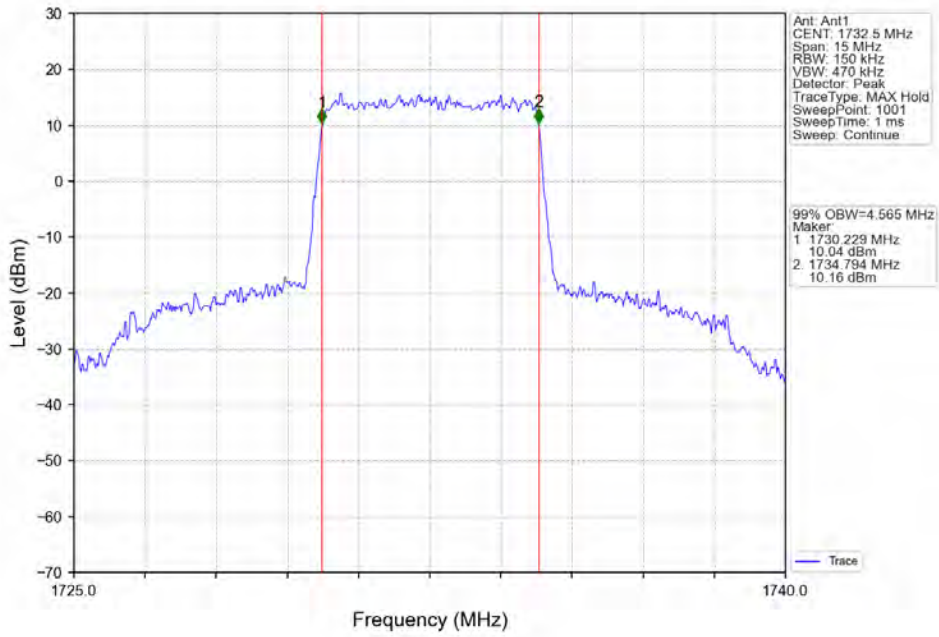
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



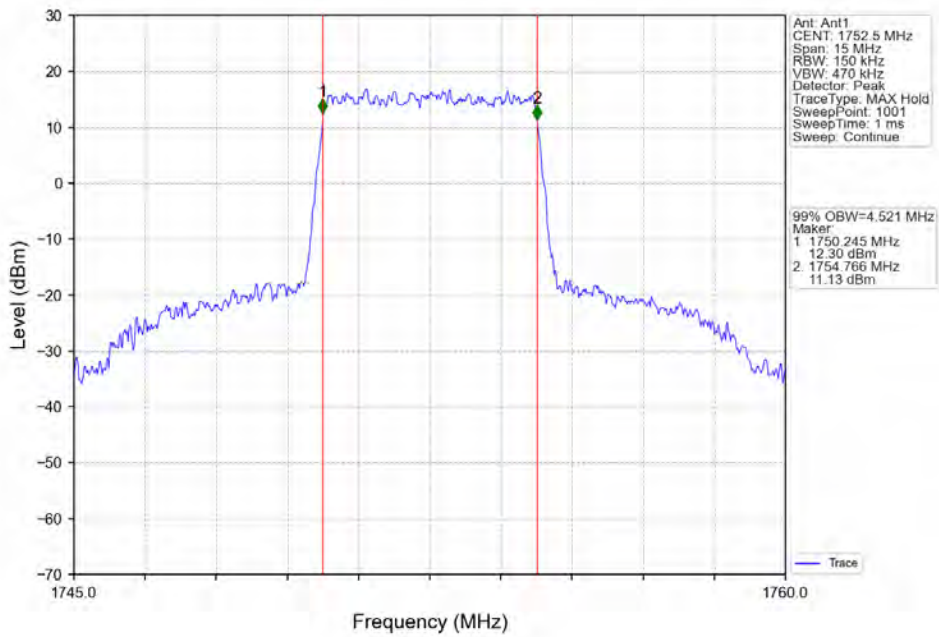
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



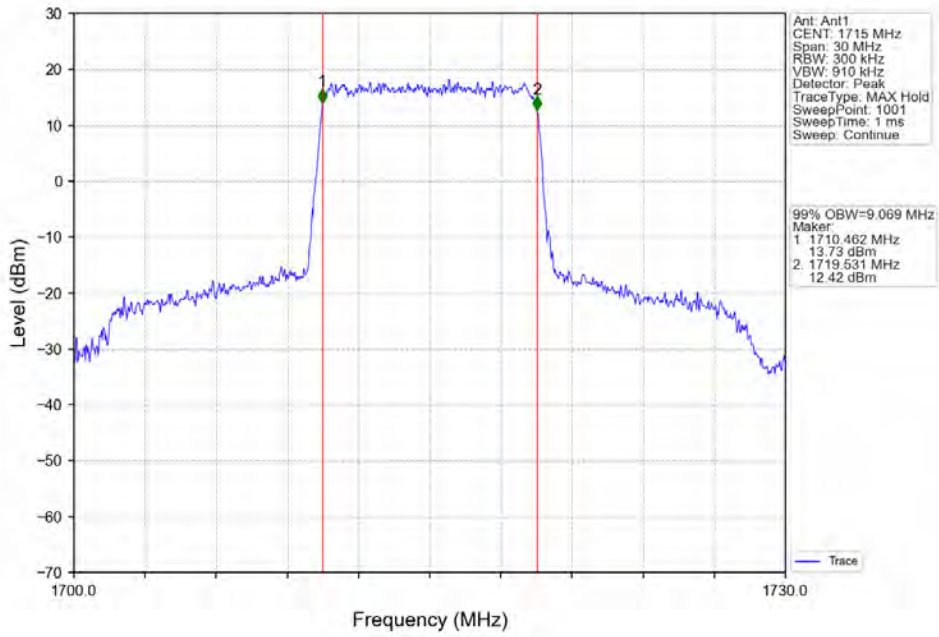
Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



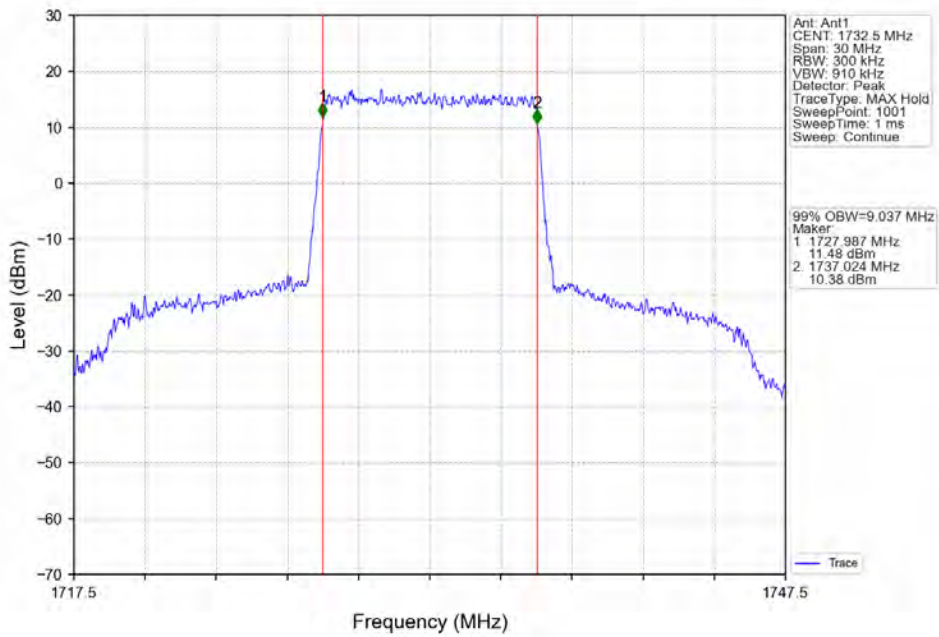
Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



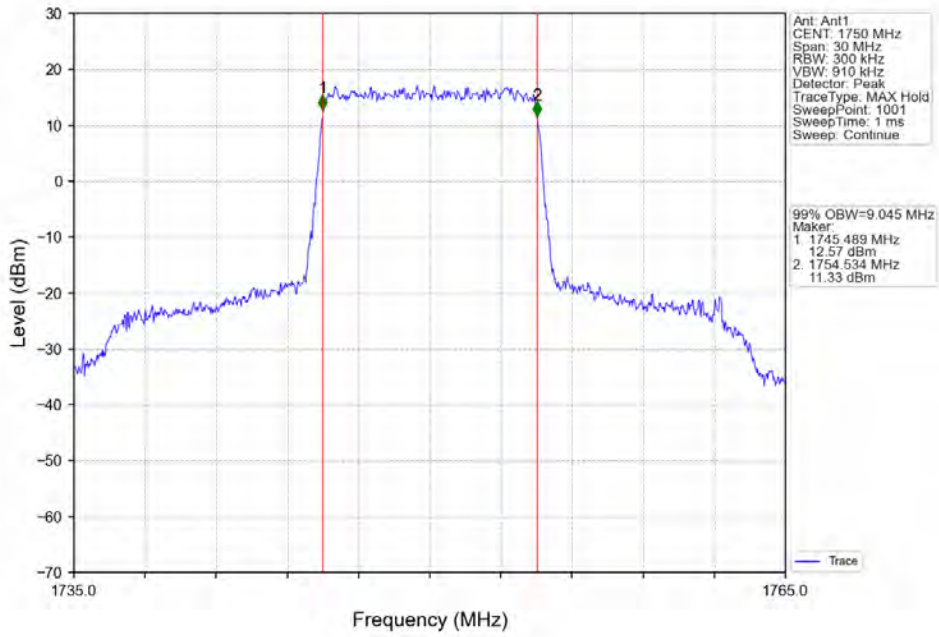
Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



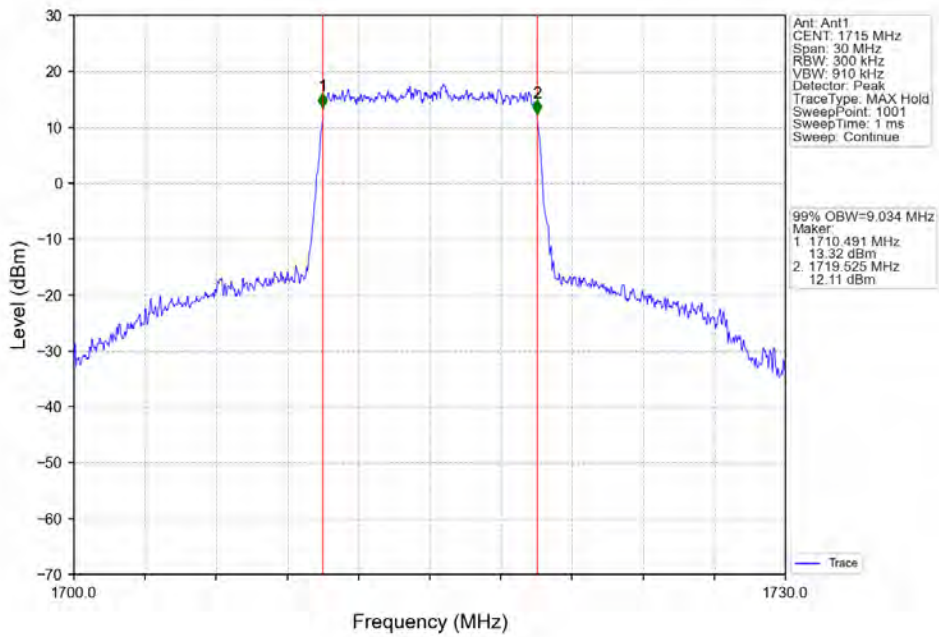
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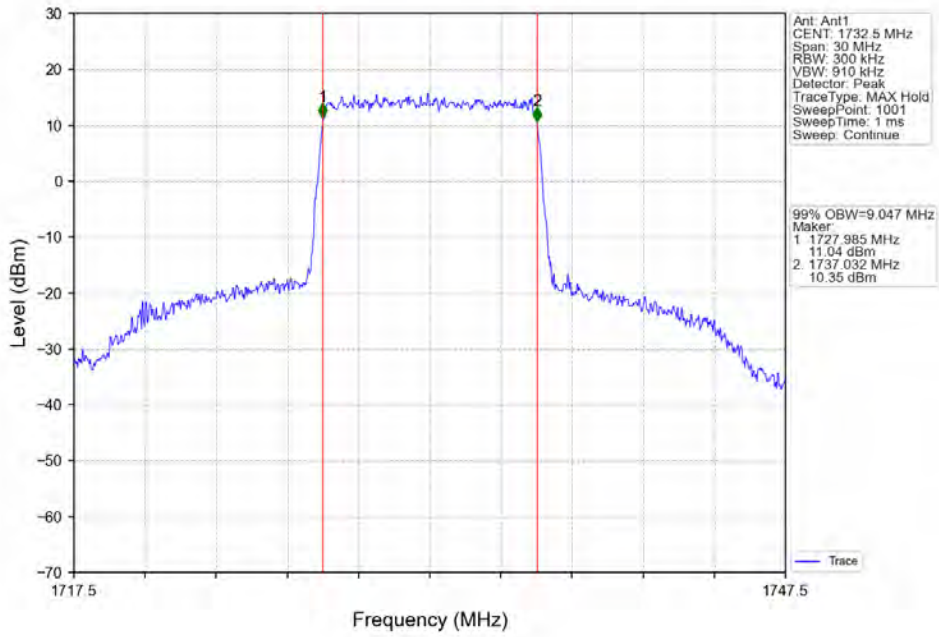
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV



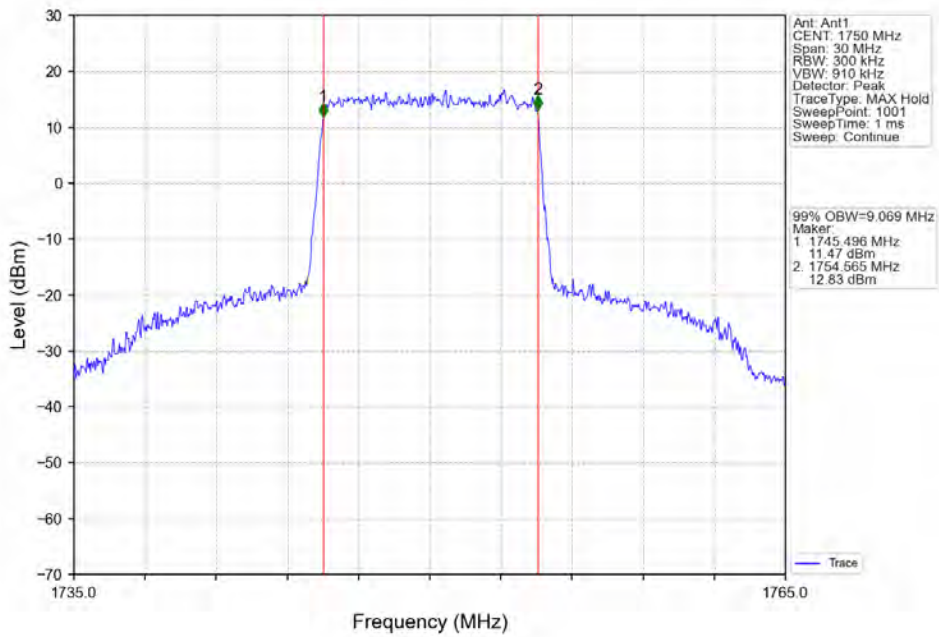
Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



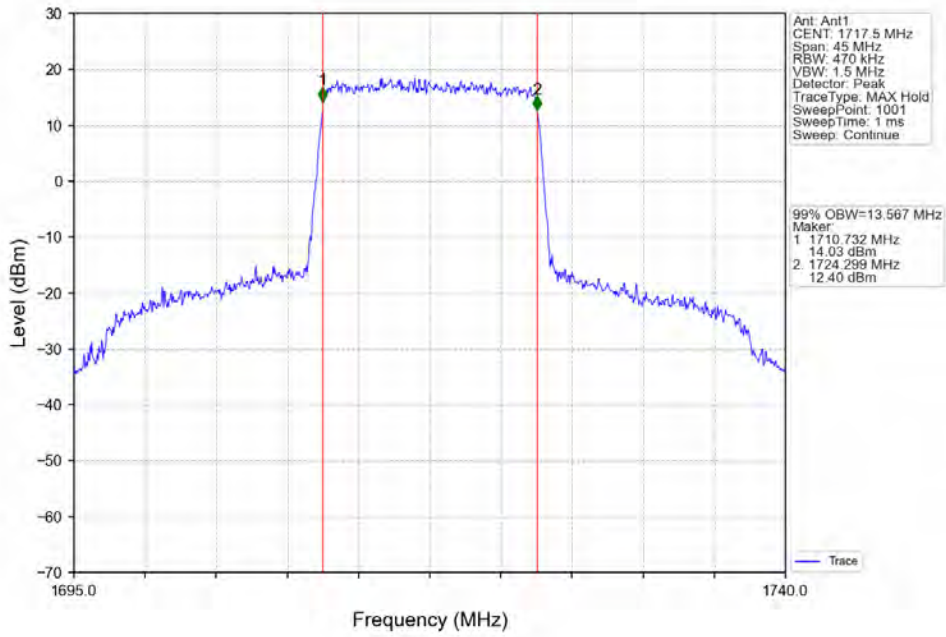
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



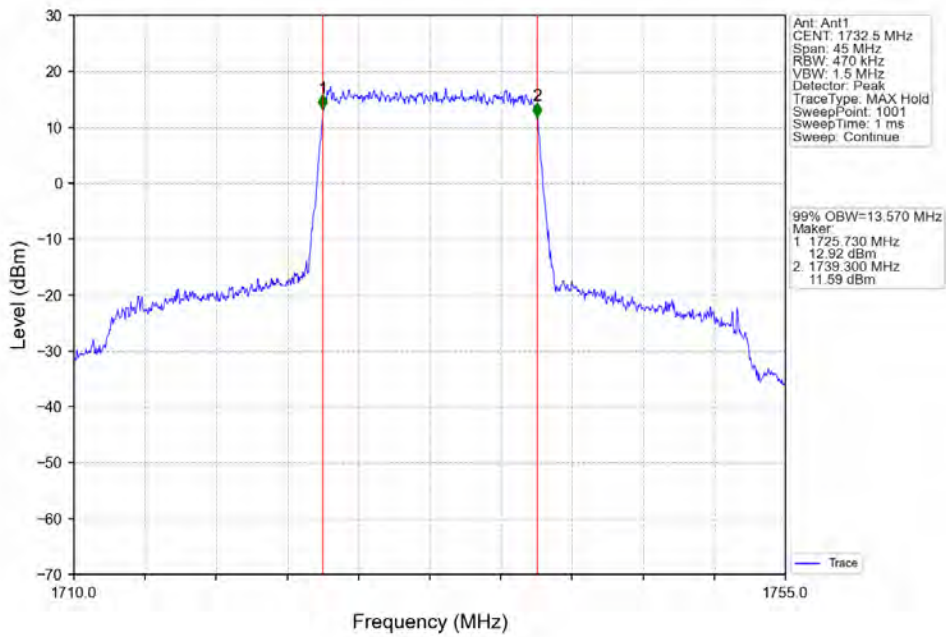
Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



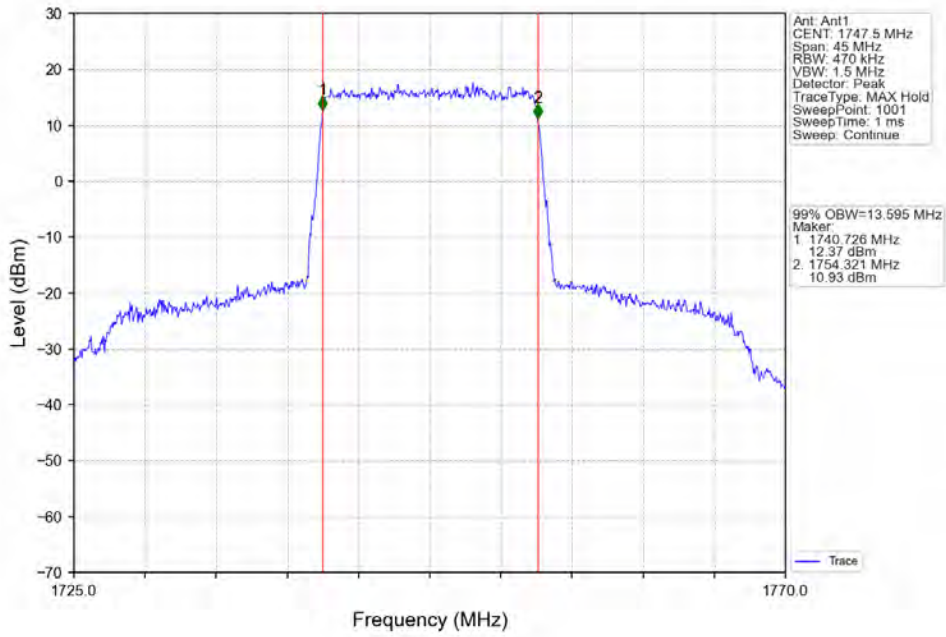
Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



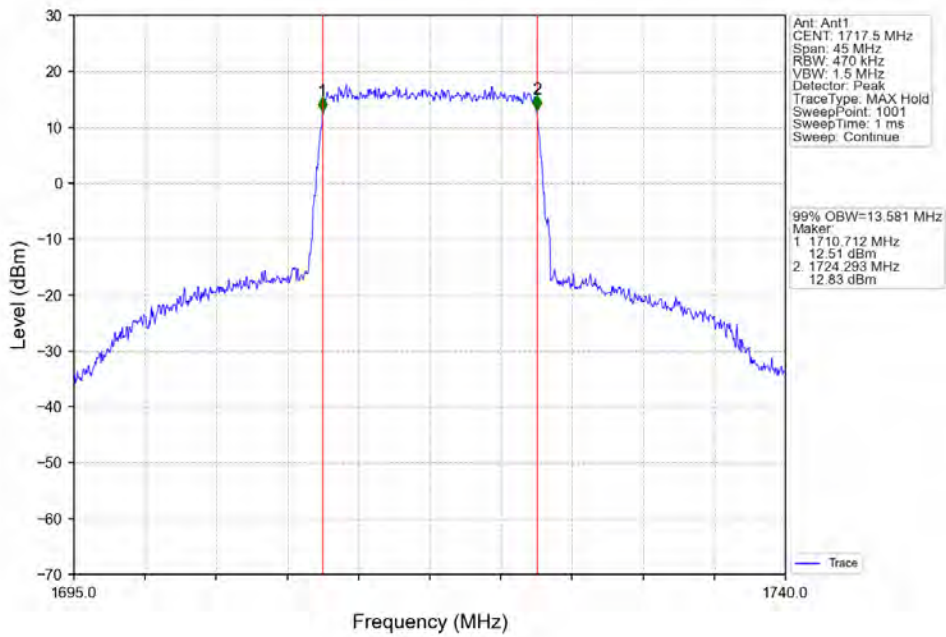
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV

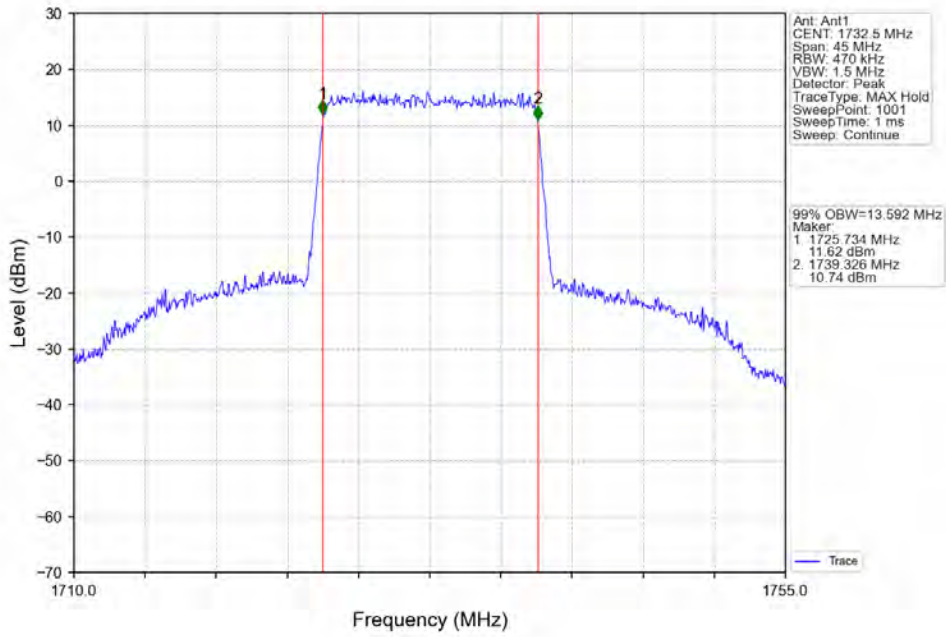


Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

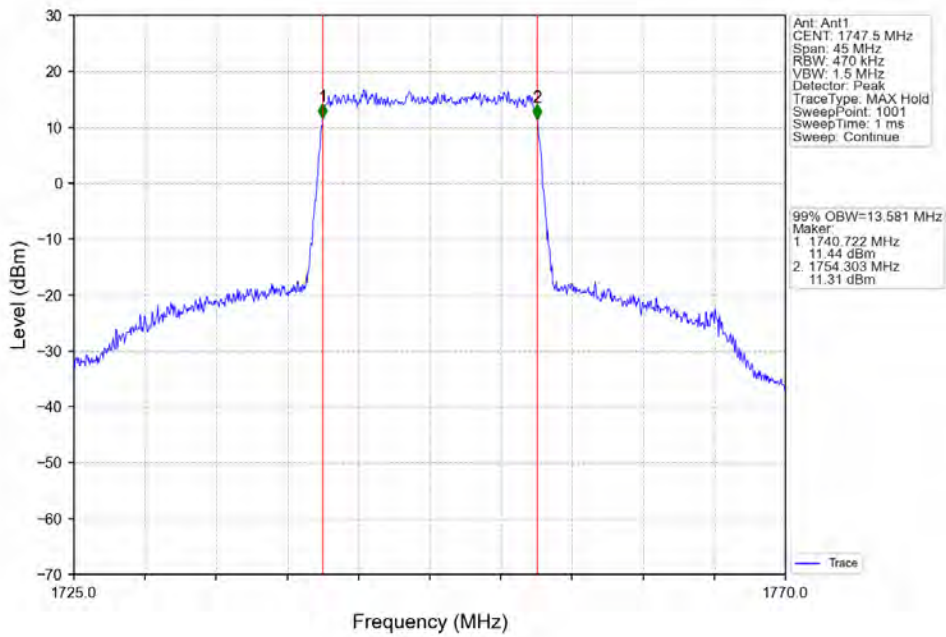




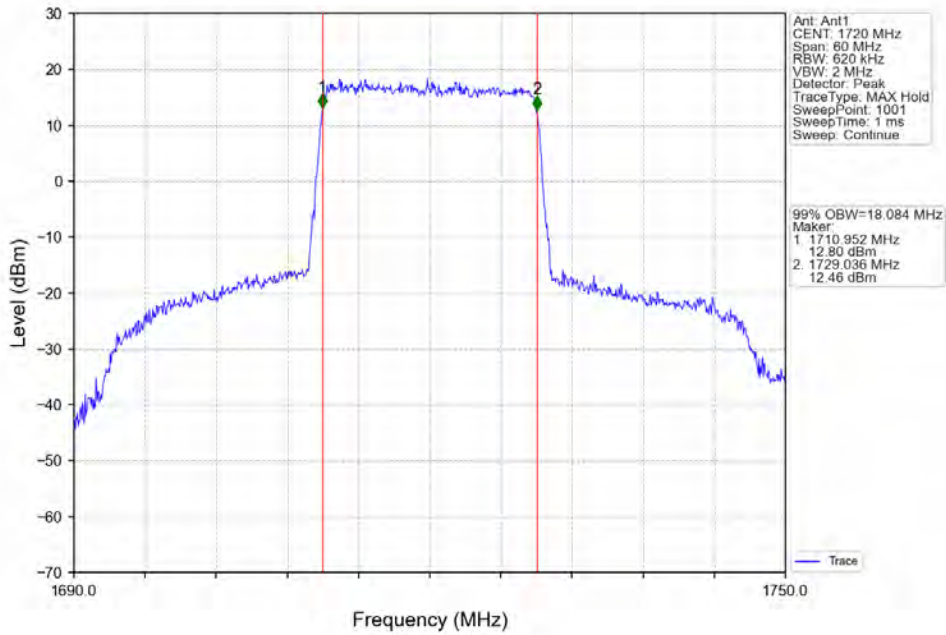
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



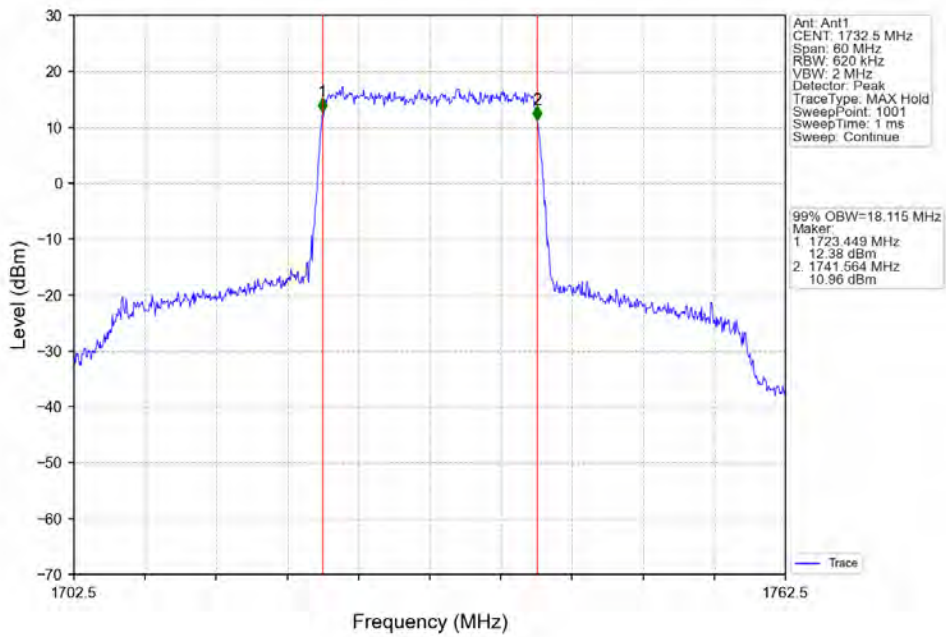
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



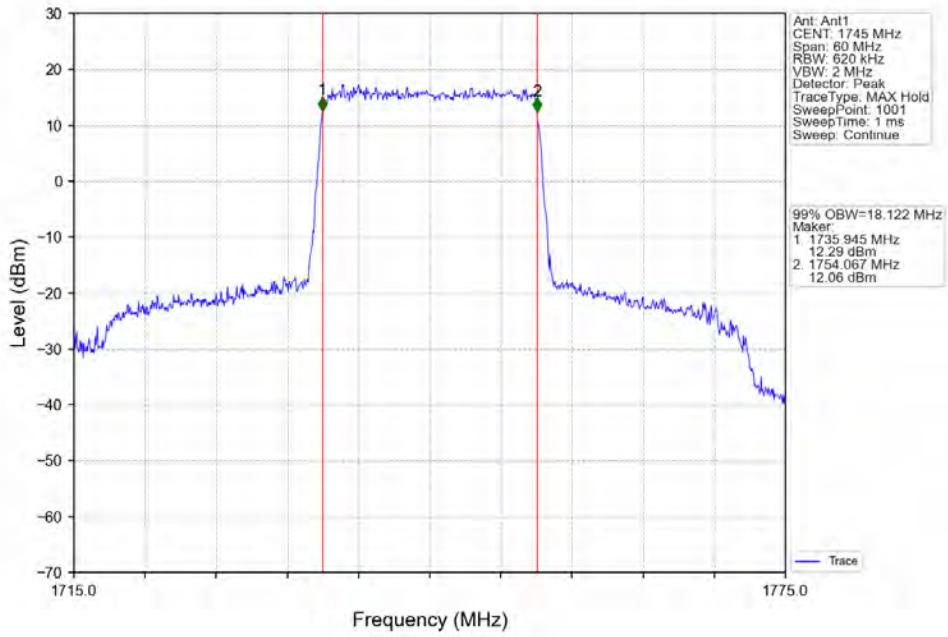
Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



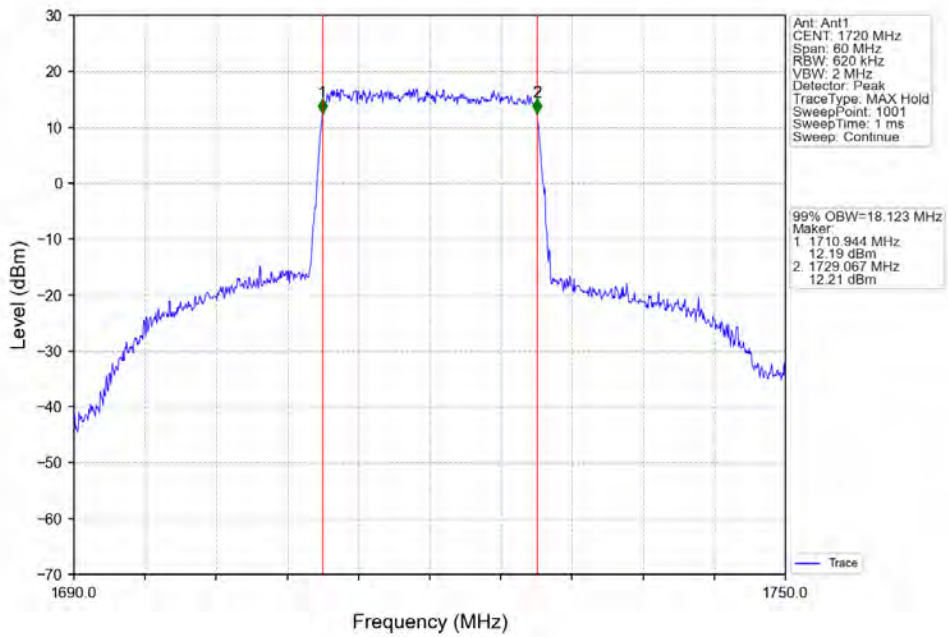
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



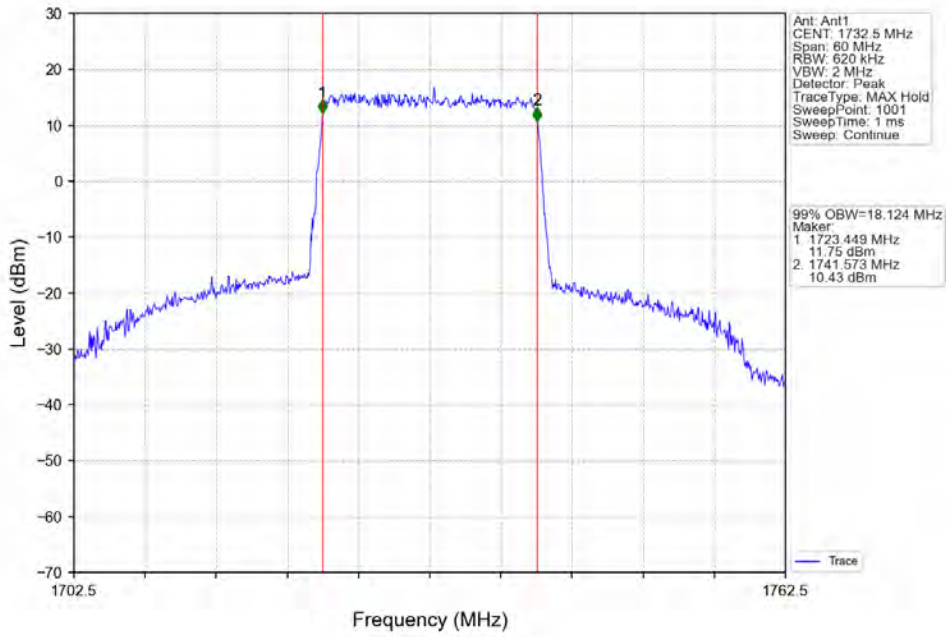
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



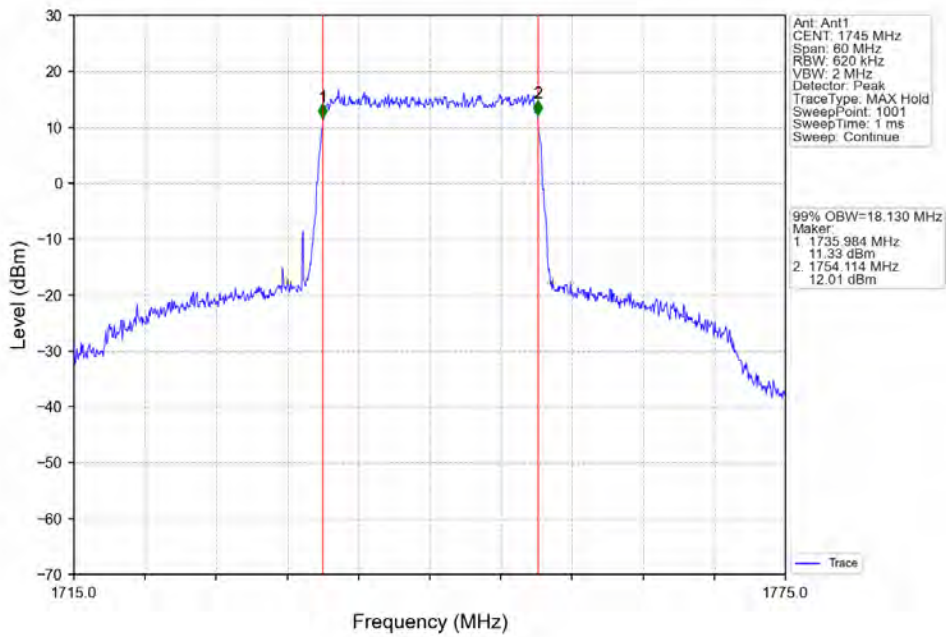
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV

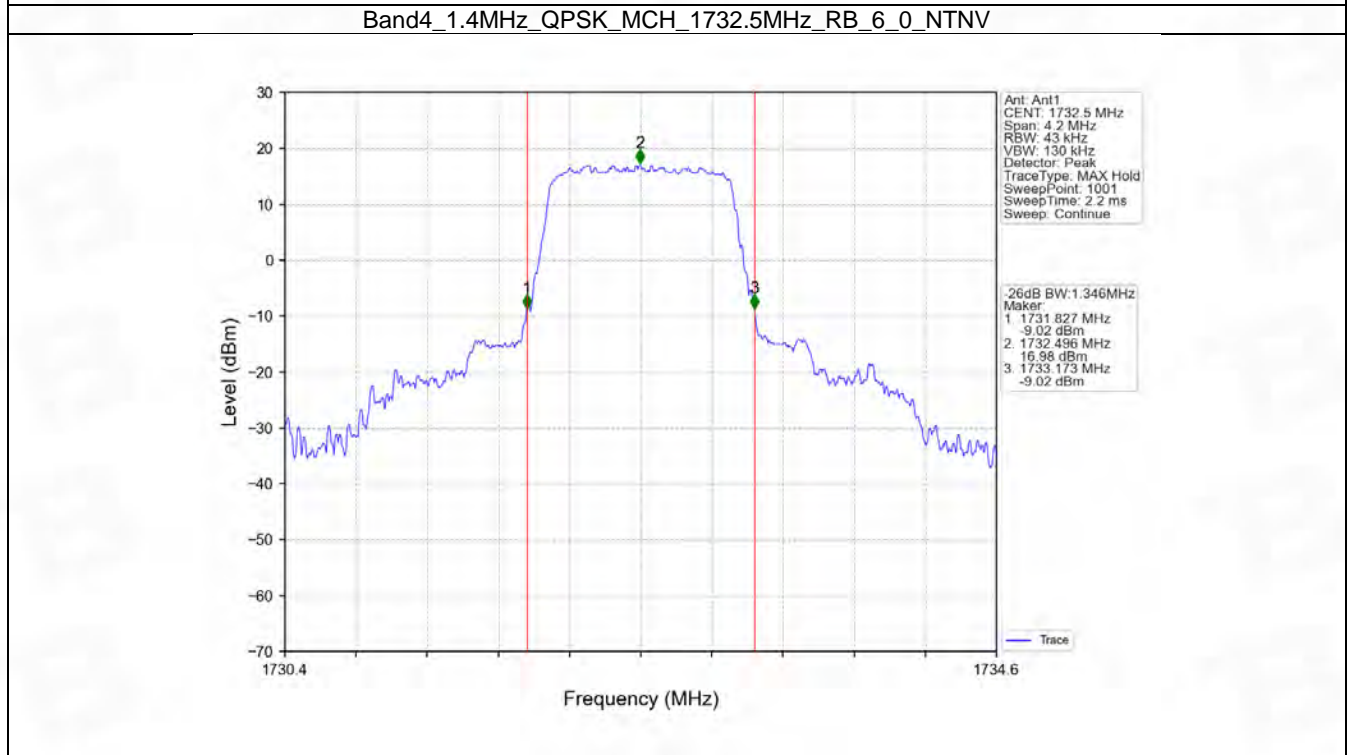
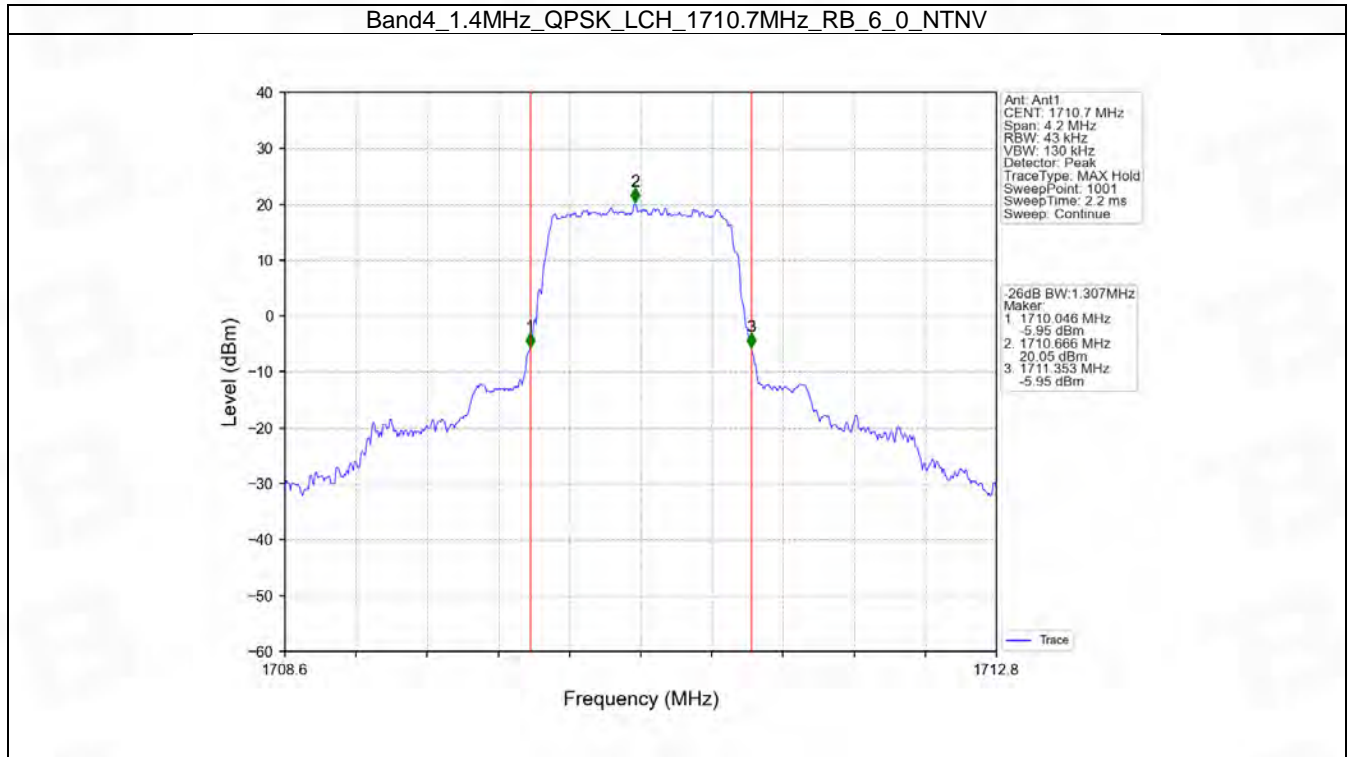


## 4.2 Band4\_XDB

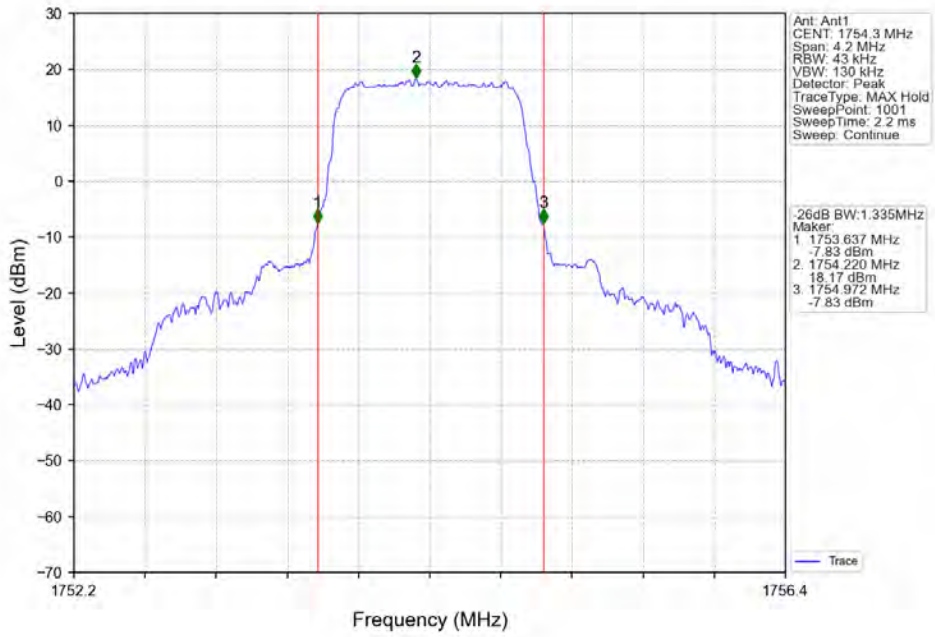
### 4.2.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.307	/	Pass
		1732.5	6	0	1.346	/	Pass
		1754.3	6	0	1.335	/	Pass
	16QAM	1710.7	6	0	1.330	/	Pass
		1732.5	6	0	1.313	/	Pass
		1754.3	6	0	1.330	/	Pass
3	QPSK	1711.5	15	0	3.009	/	Pass
		1732.5	15	0	3.023	/	Pass
		1753.5	15	0	2.989	/	Pass
	16QAM	1711.5	15	0	2.997	/	Pass
		1732.5	15	0	3.000	/	Pass
		1753.5	15	0	3.021	/	Pass
5	QPSK	1712.5	25	0	5.053	/	Pass
		1732.5	25	0	5.017	/	Pass
		1752.5	25	0	5.020	/	Pass
	16QAM	1712.5	25	0	5.042	/	Pass
		1732.5	25	0	5.008	/	Pass
		1752.5	25	0	5.009	/	Pass
10	QPSK	1715	50	0	9.905	/	Pass
		1732.5	50	0	9.904	/	Pass
		1750	50	0	9.941	/	Pass
	16QAM	1715	50	0	9.975	/	Pass
		1732.5	50	0	9.873	/	Pass
		1750	50	0	9.897	/	Pass
15	QPSK	1717.5	75	0	14.911	/	Pass
		1732.5	75	0	15.000	/	Pass
		1747.5	75	0	15.026	/	Pass
	16QAM	1717.5	75	0	14.962	/	Pass
		1732.5	75	0	14.882	/	Pass
		1747.5	75	0	14.901	/	Pass
20	QPSK	1720	100	0	19.731	/	Pass
		1732.5	100	0	19.669	/	Pass
		1745	100	0	19.689	/	Pass
	16QAM	1720	100	0	19.778	/	Pass
		1732.5	100	0	19.773	/	Pass
		1745	100	0	20.584	/	Pass

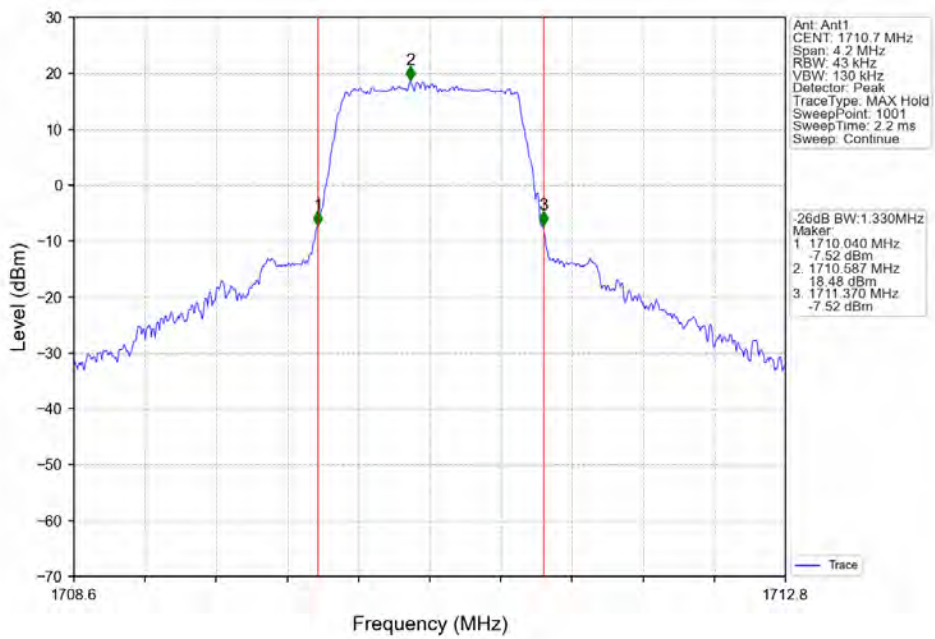
## 4.2.2 Test Graph



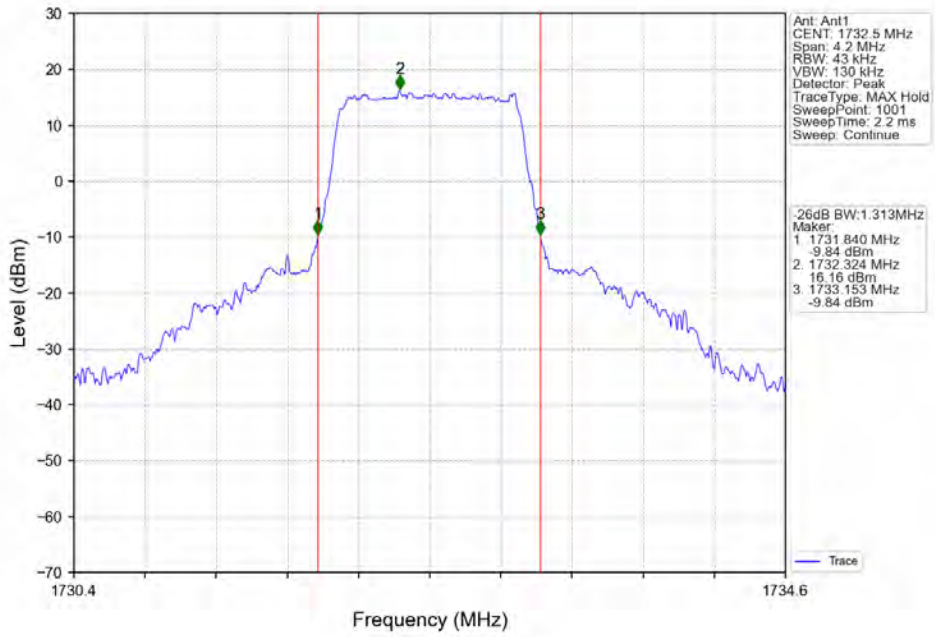
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV



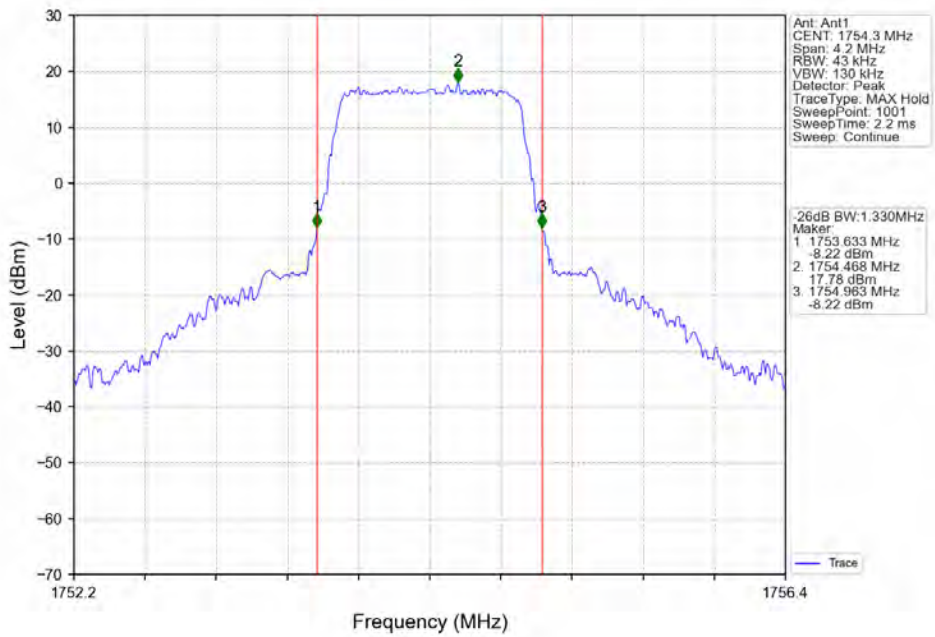
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV

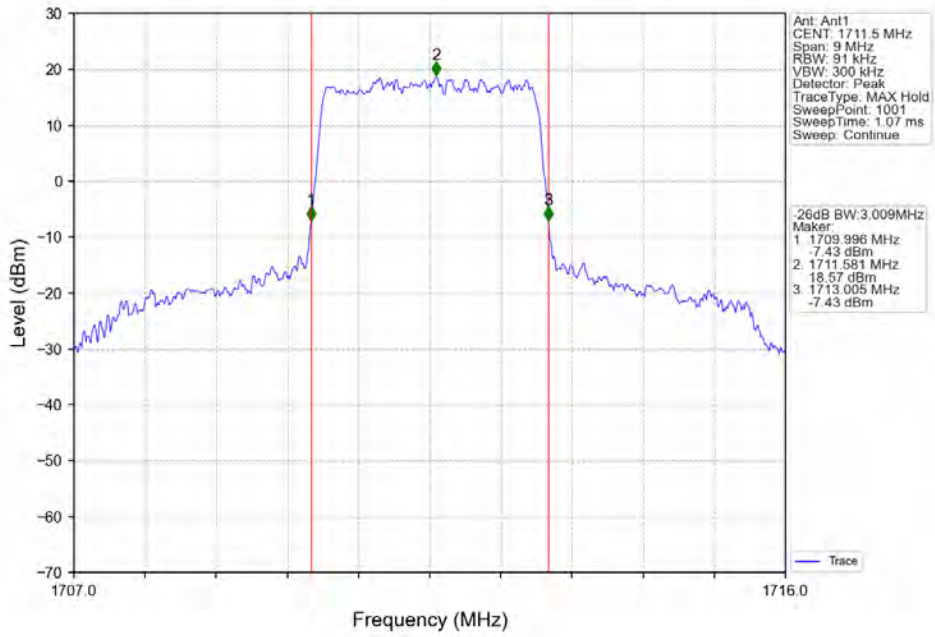


Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV

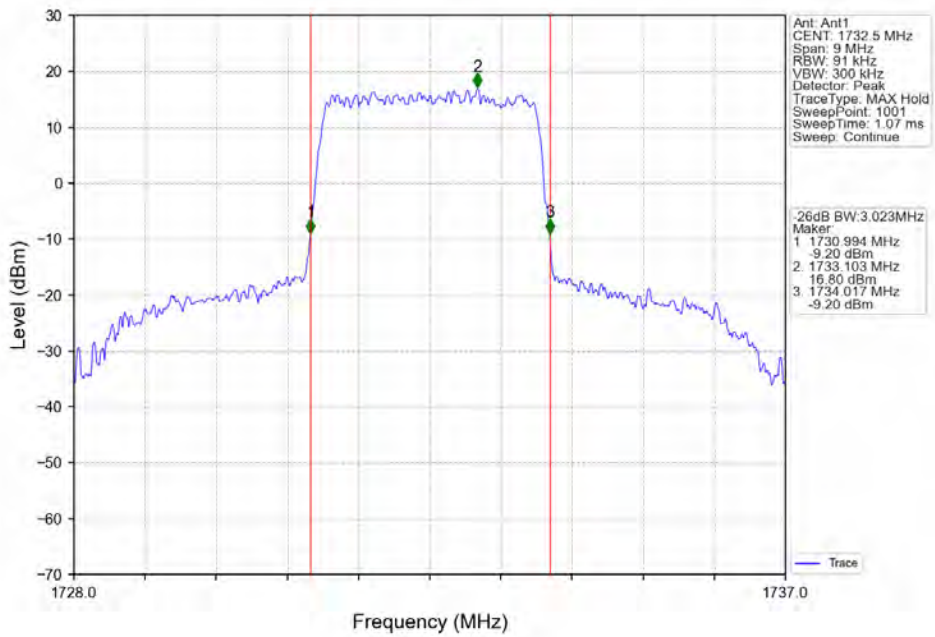




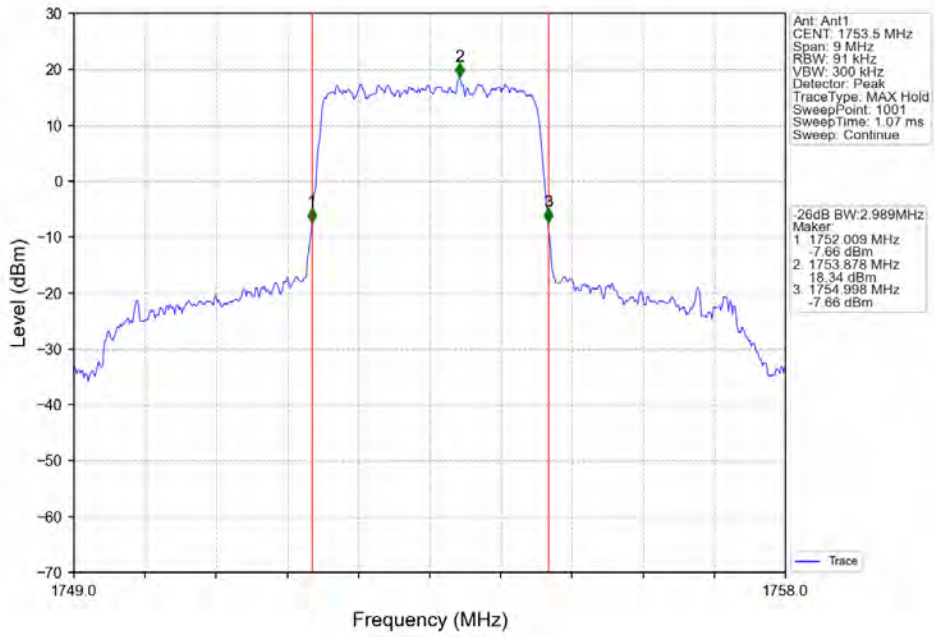
Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



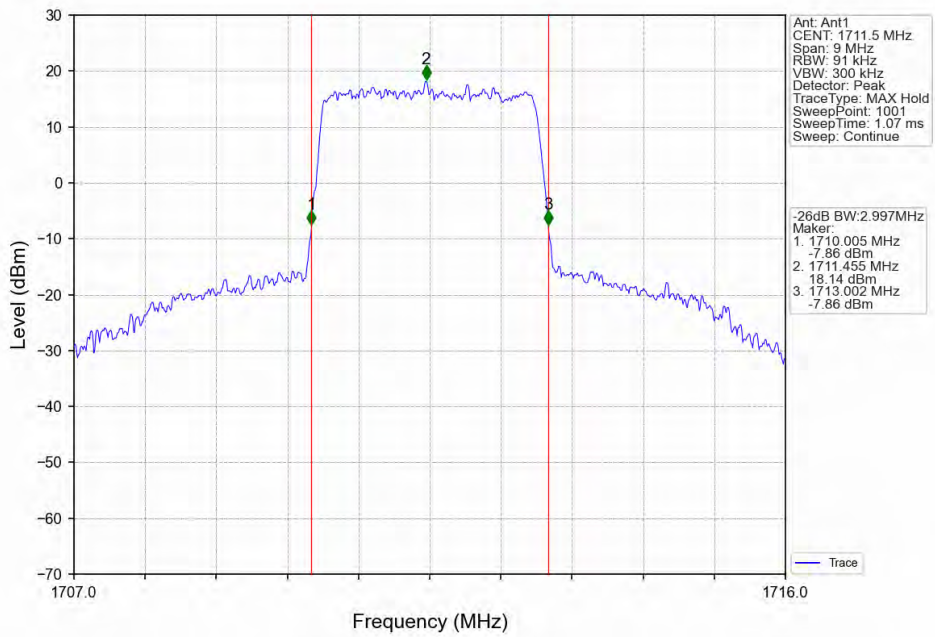
Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



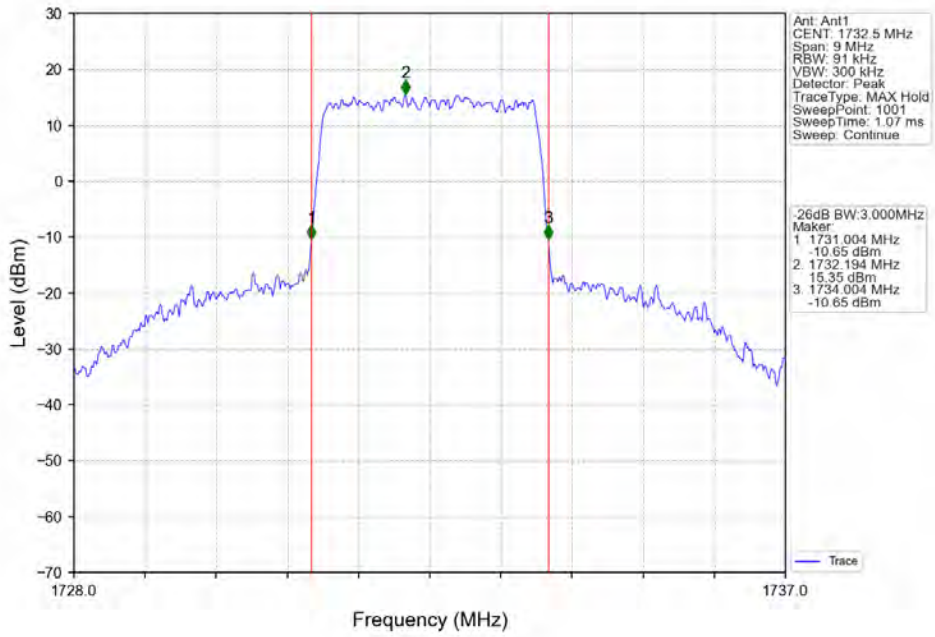
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



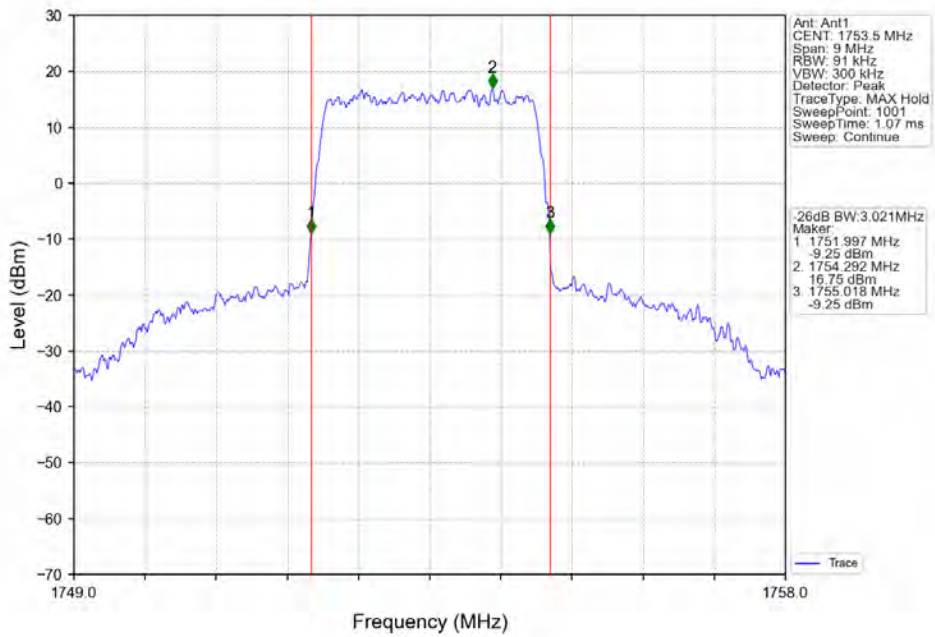
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



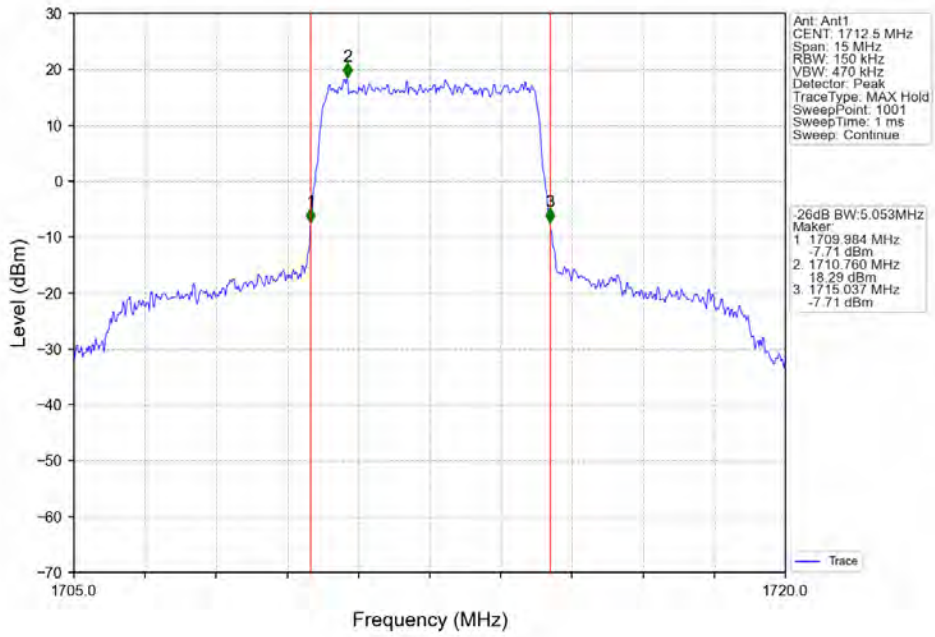
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



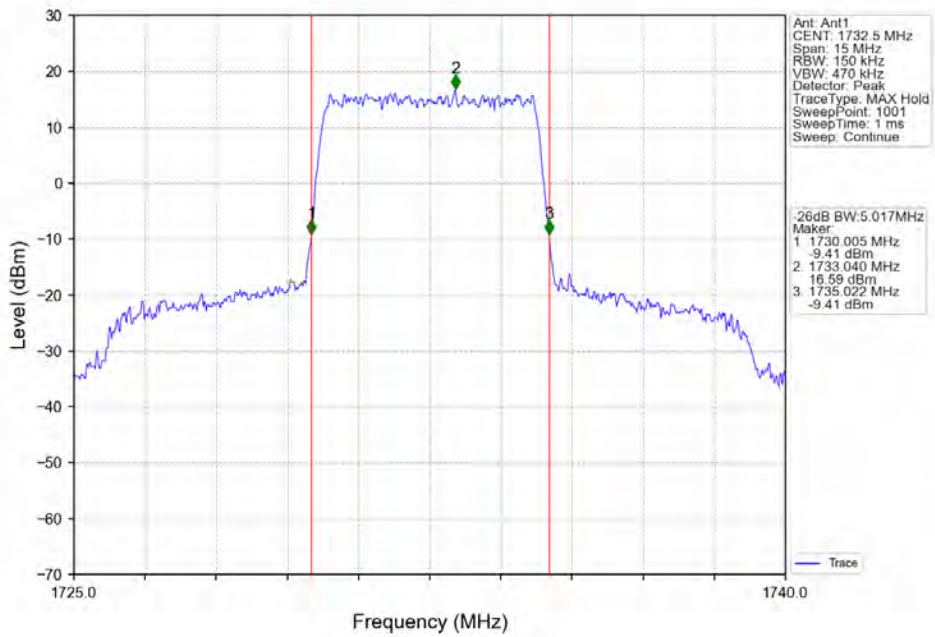
Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



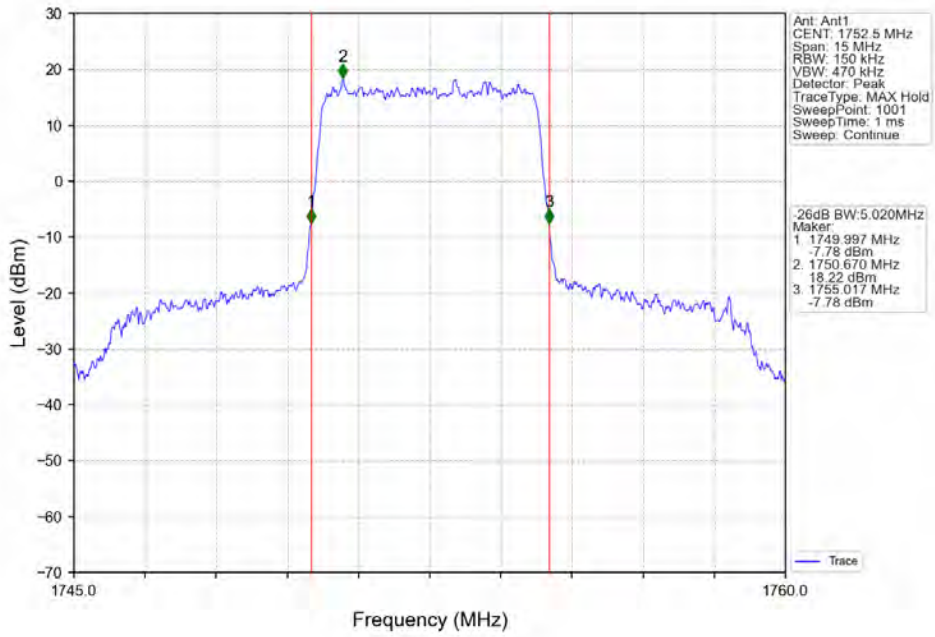
Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



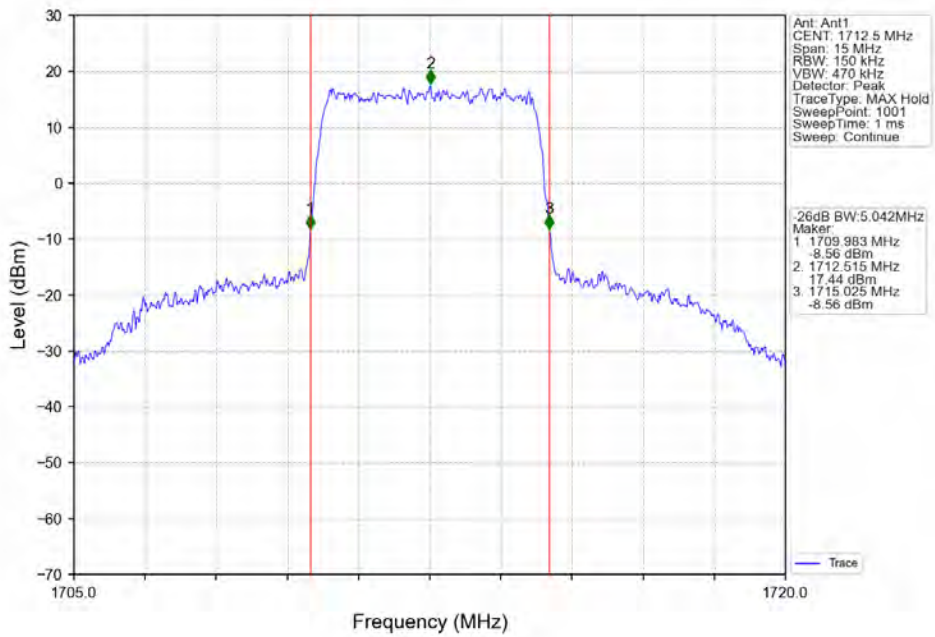
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



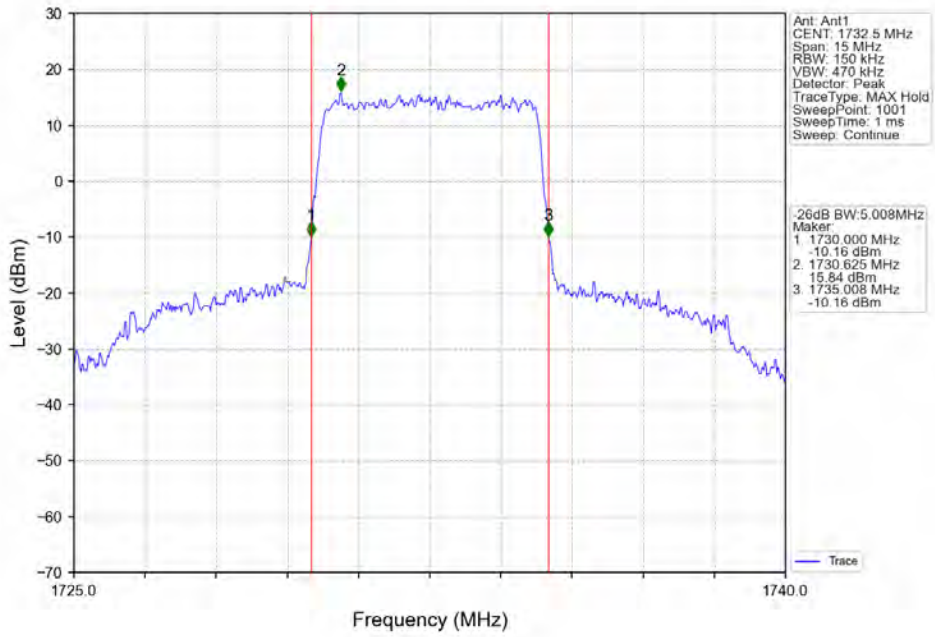
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



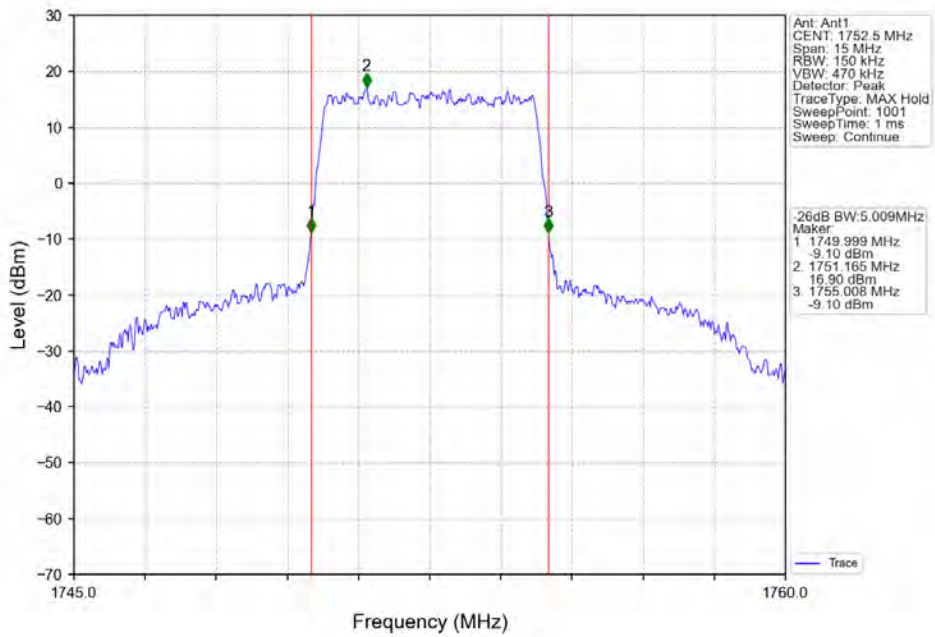
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



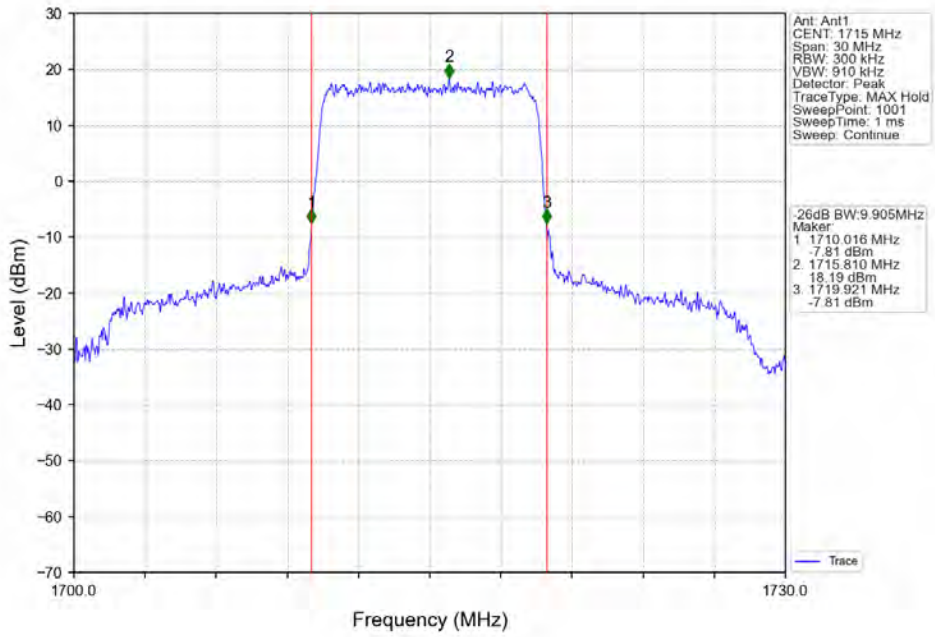
Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



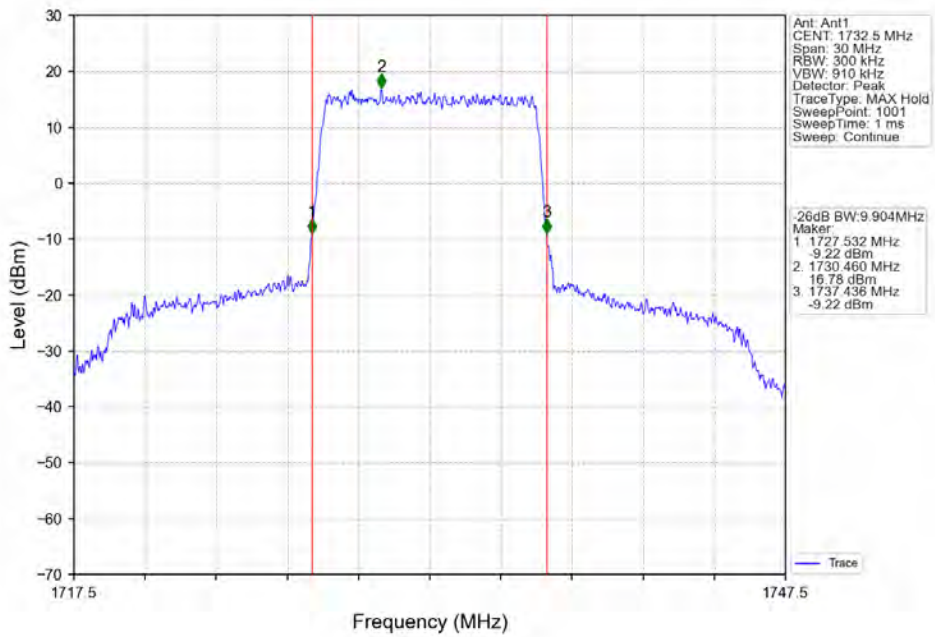
Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



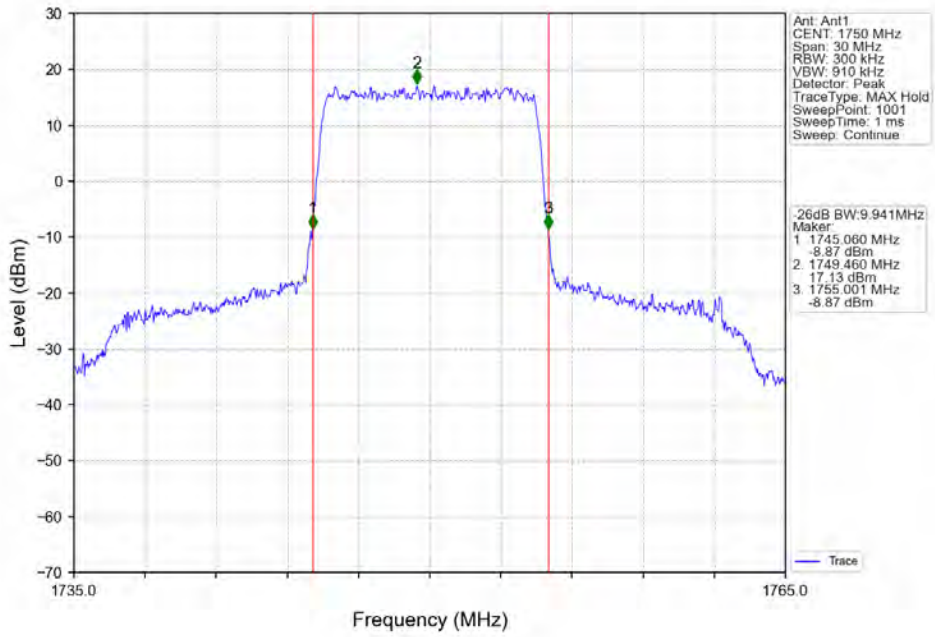
Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



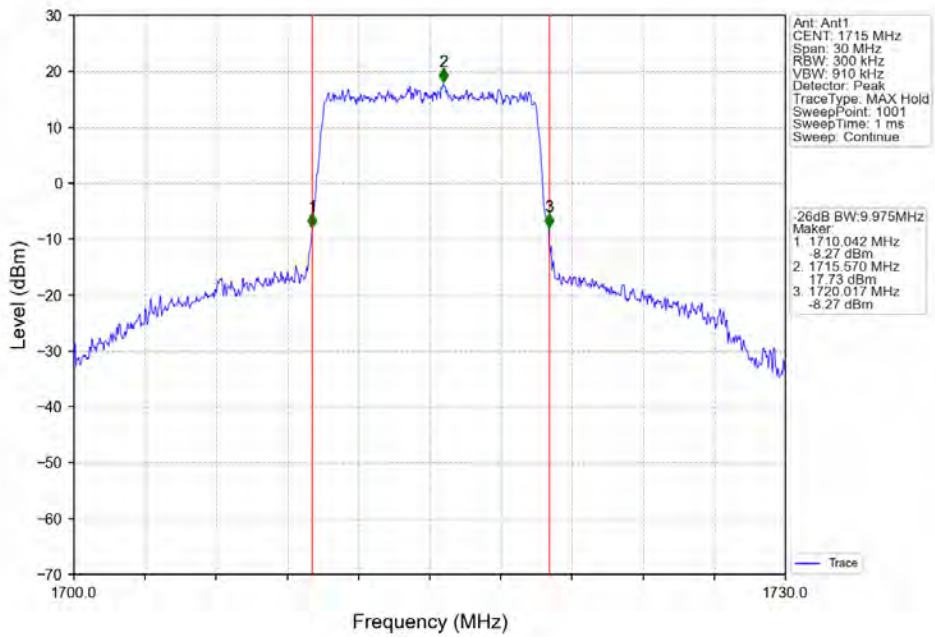
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV

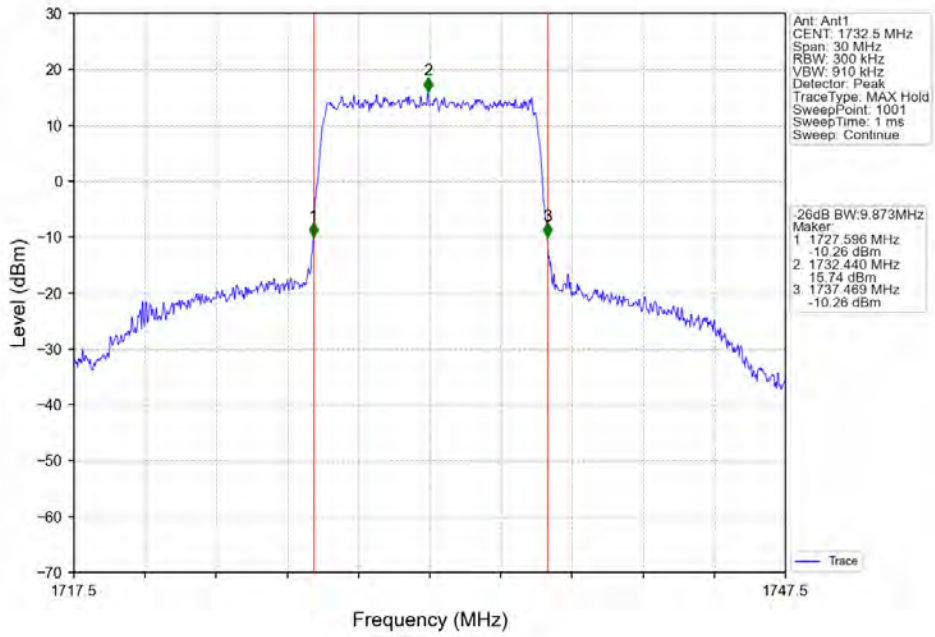


Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV

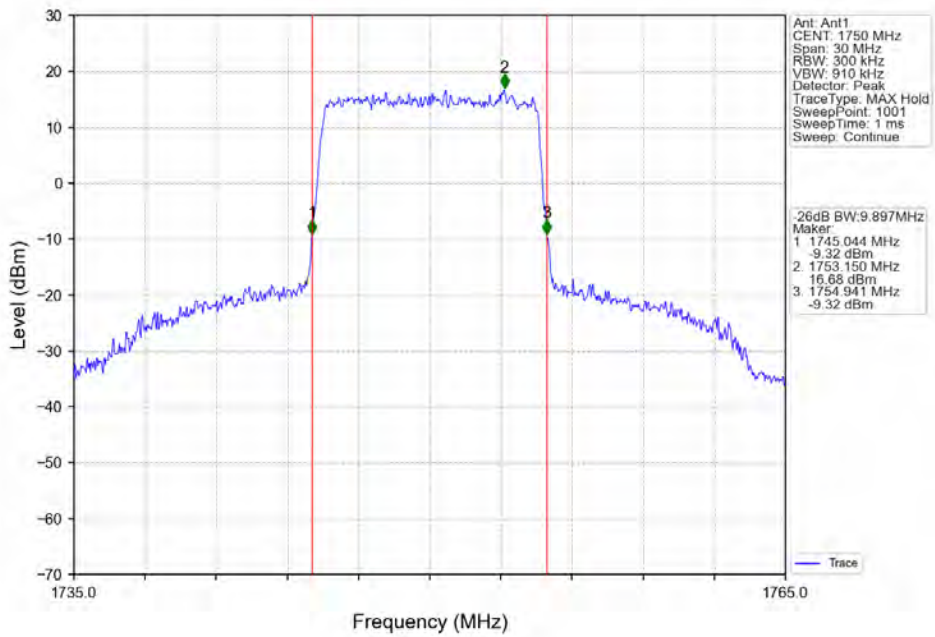




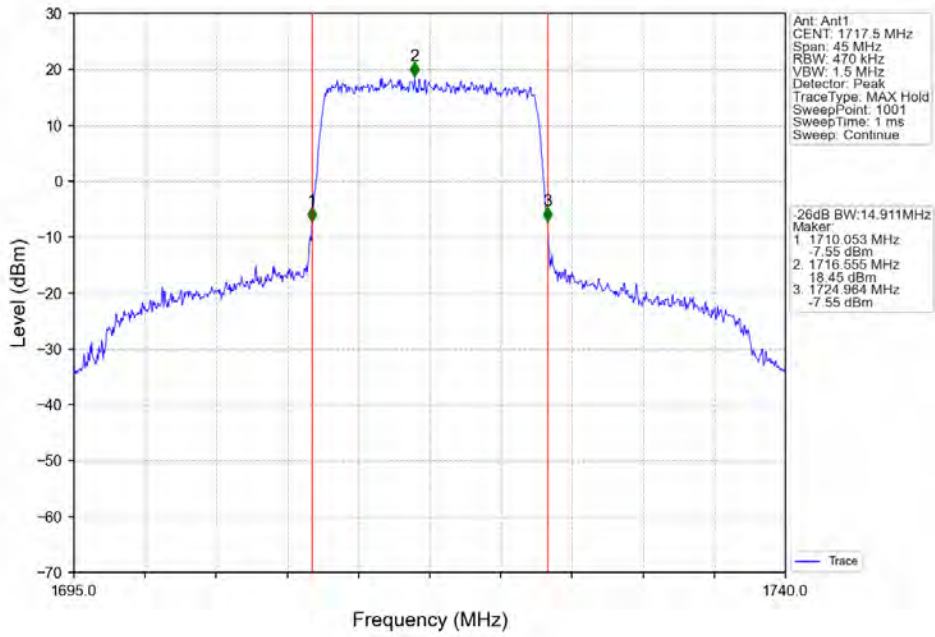
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



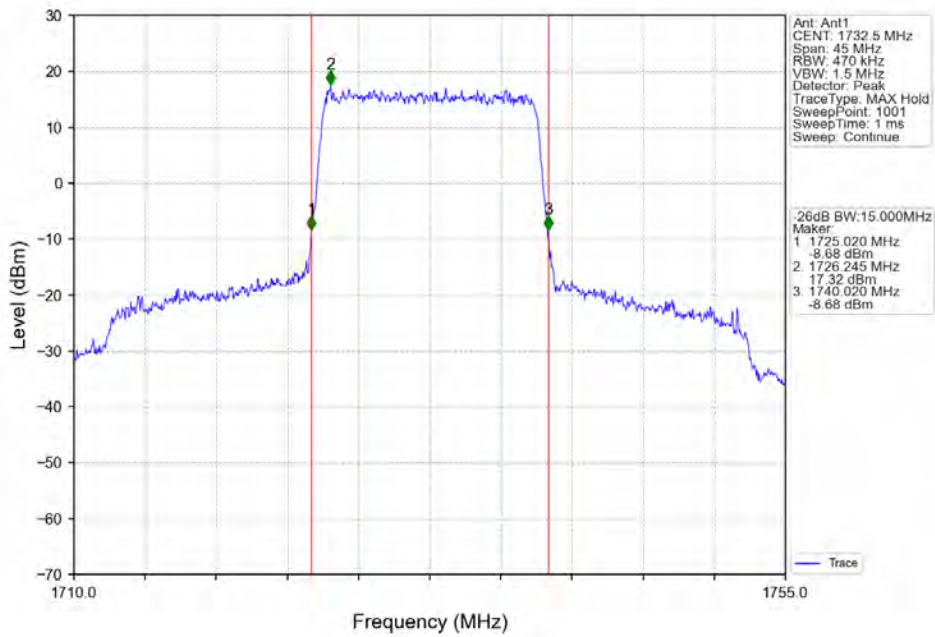
Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



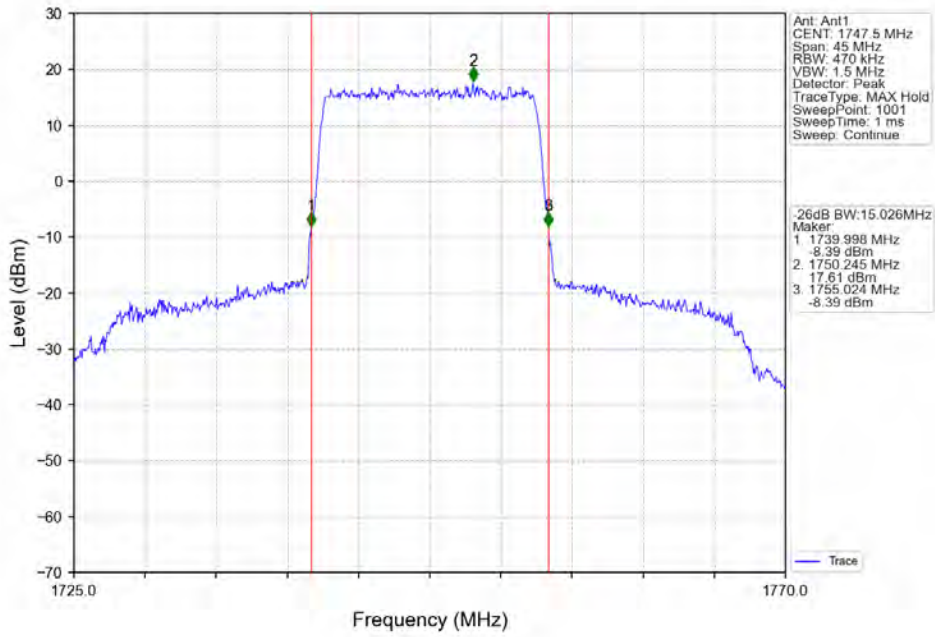
Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



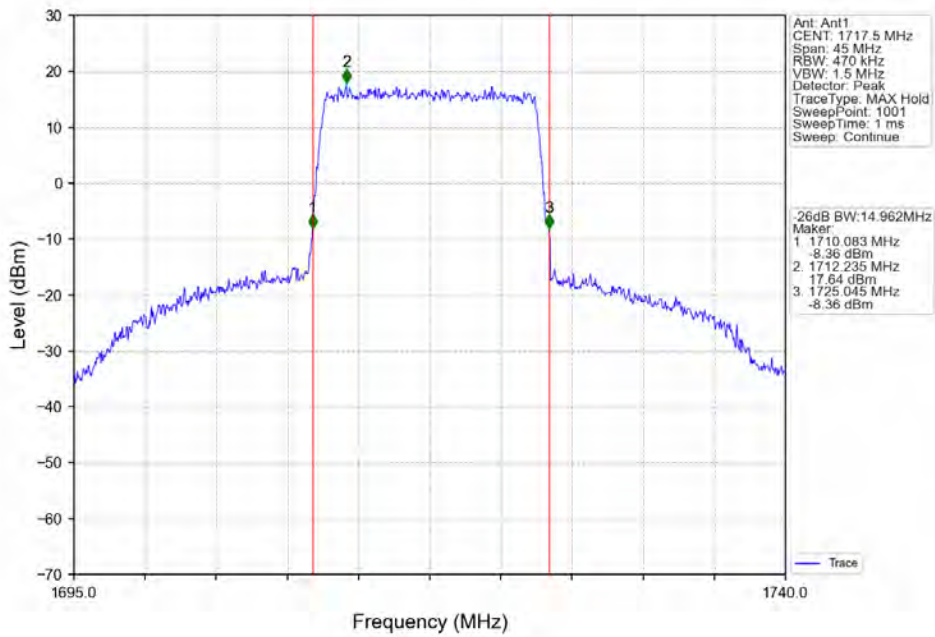
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



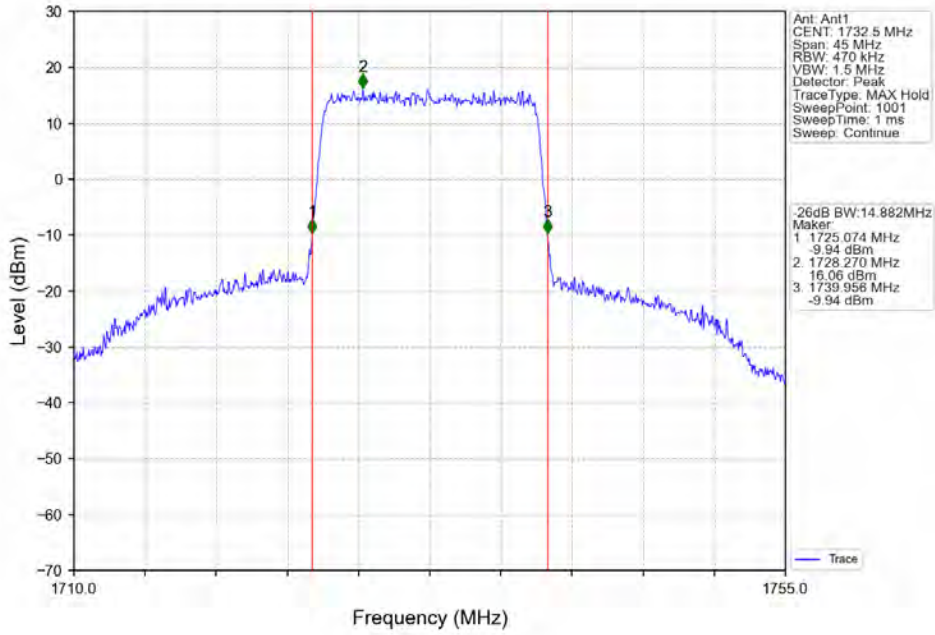
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



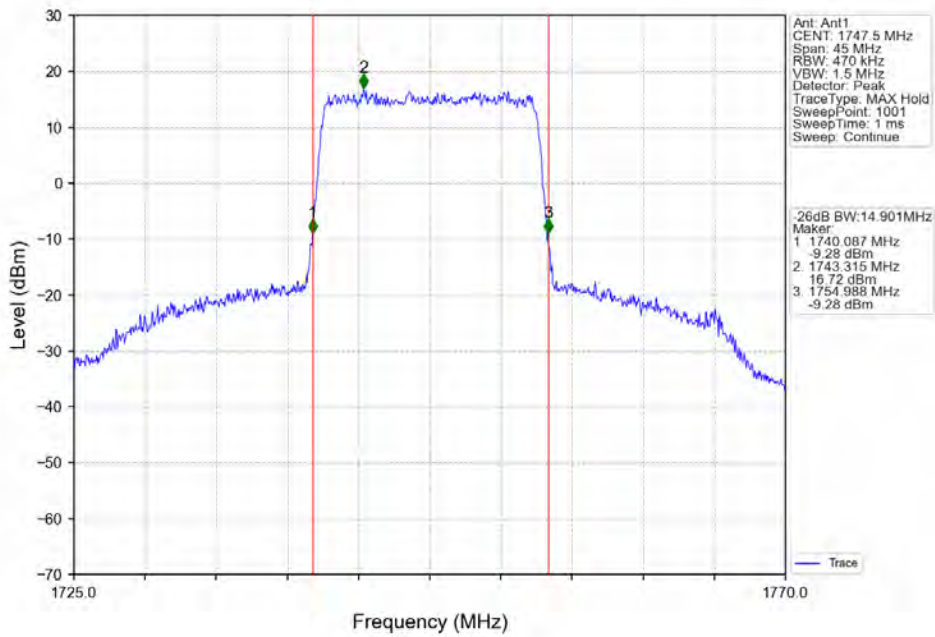
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



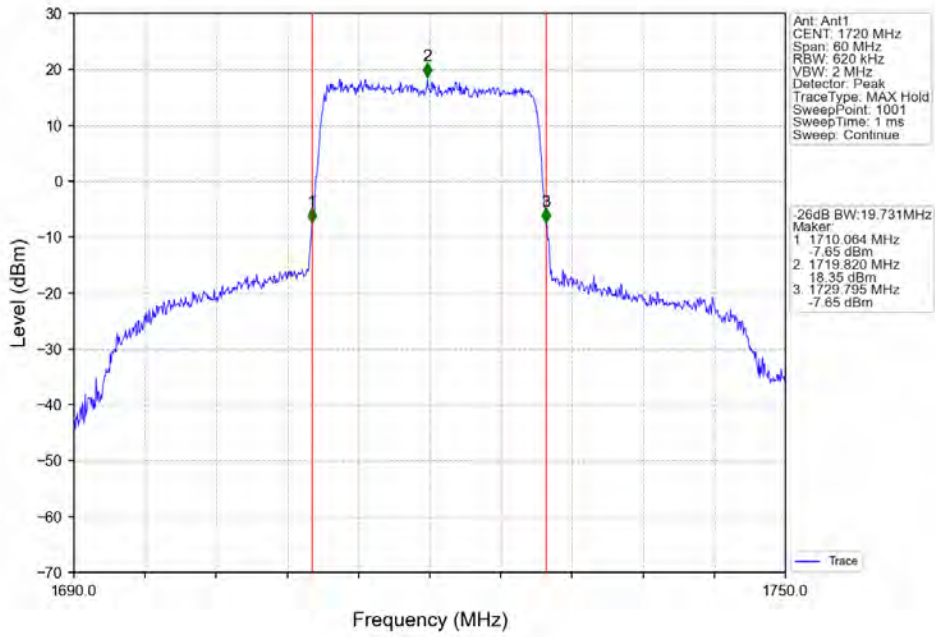
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



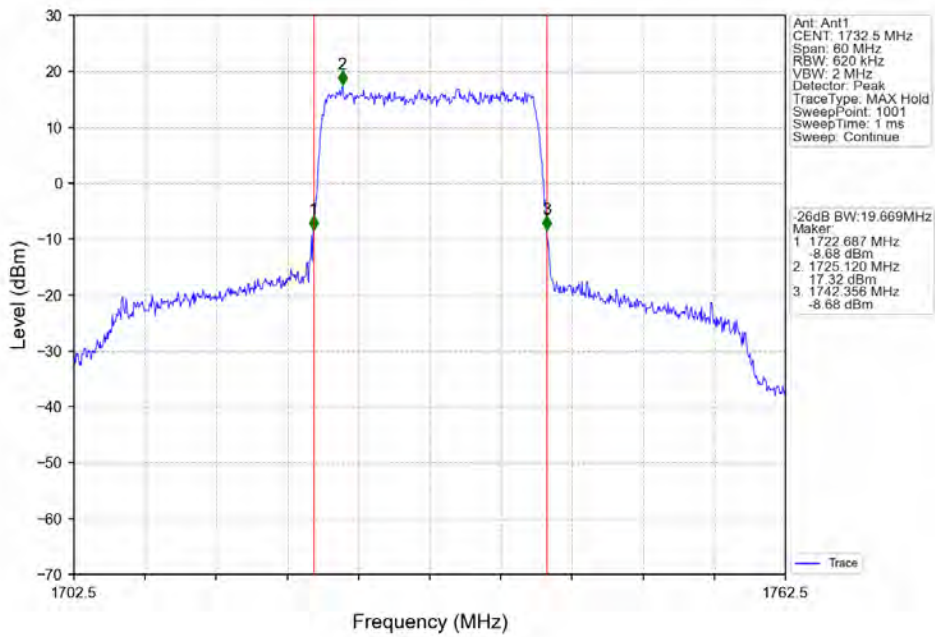
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



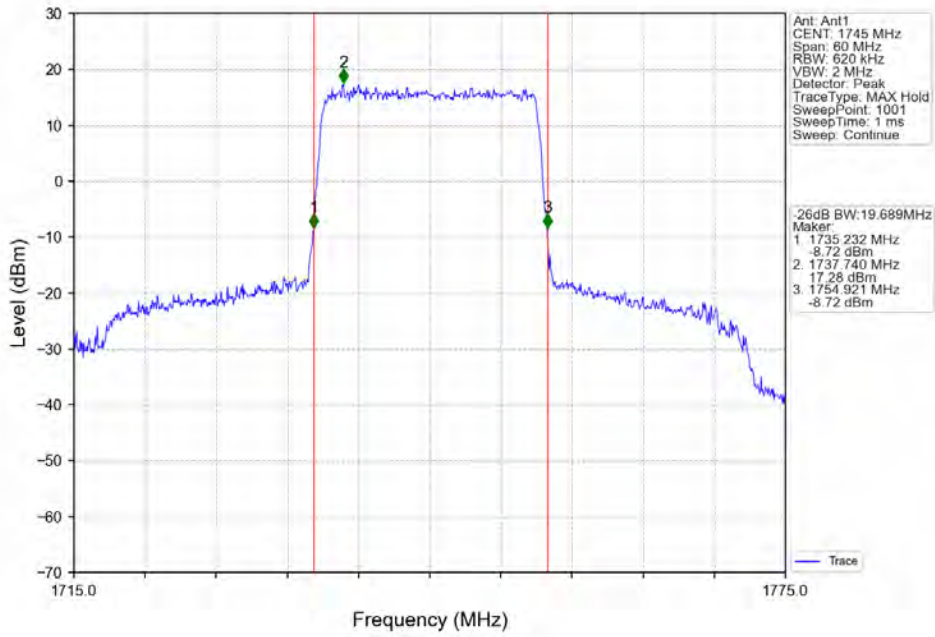
Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



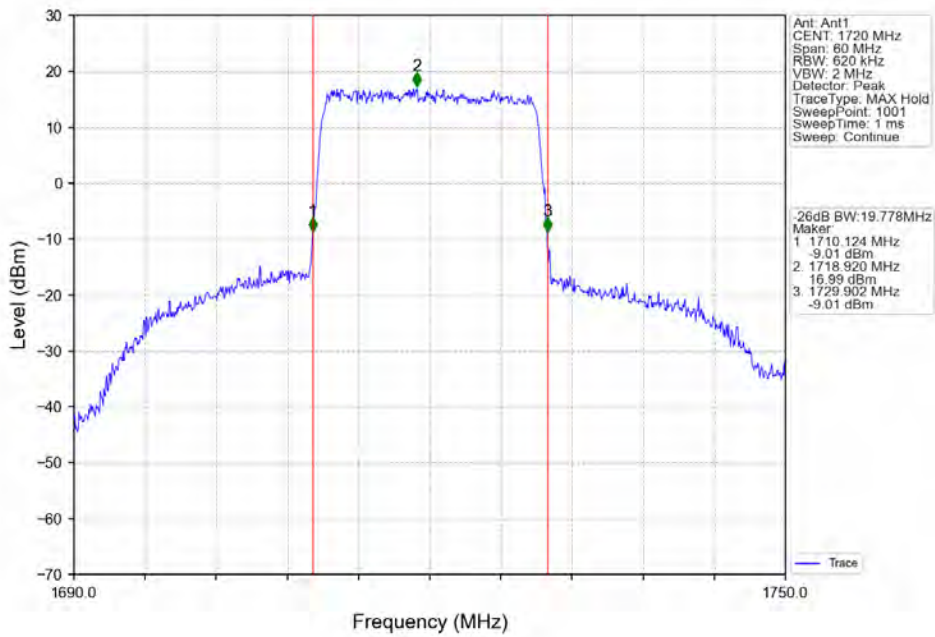
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



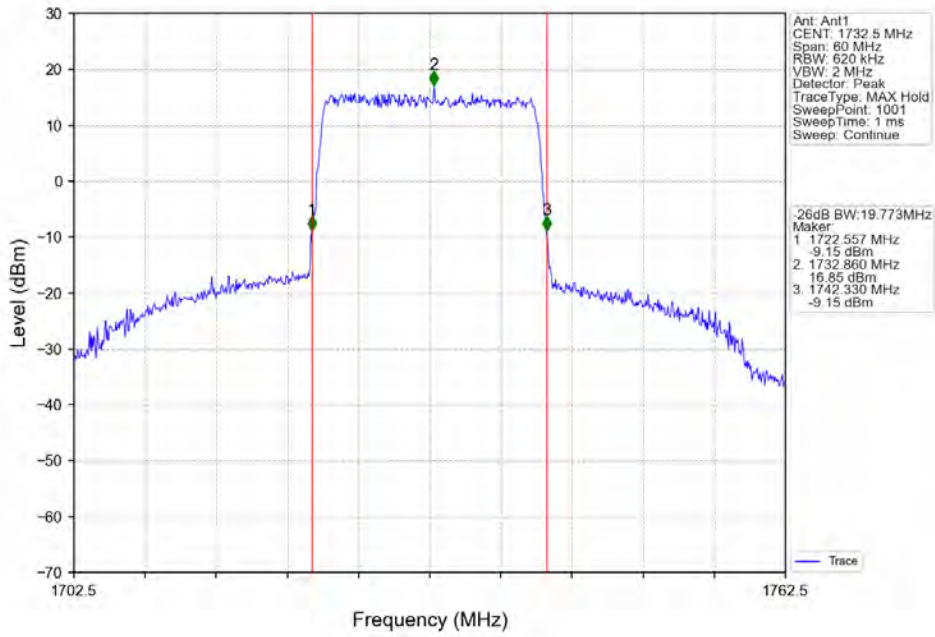
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



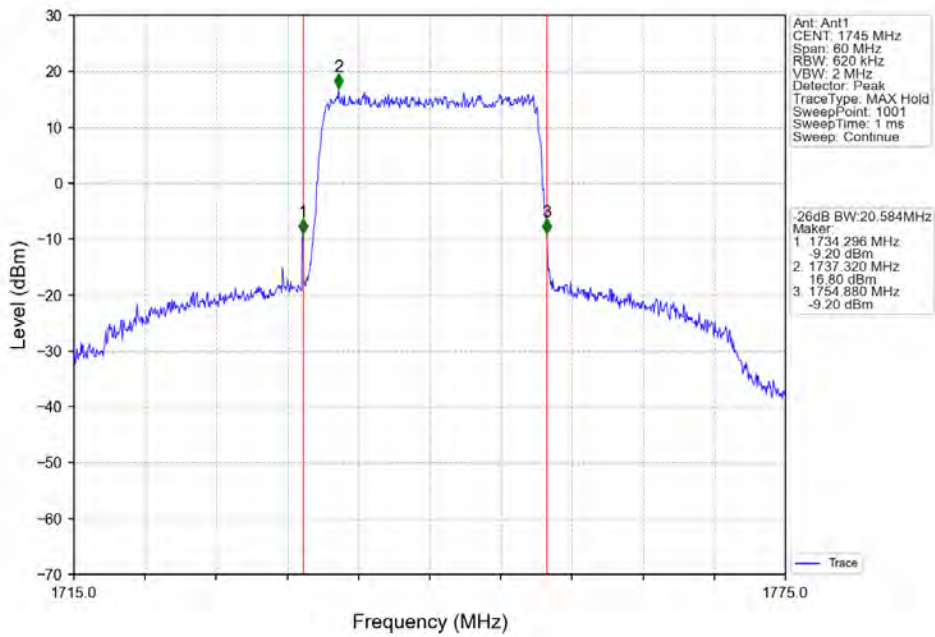
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV



## 5. Peak-Average Ratio

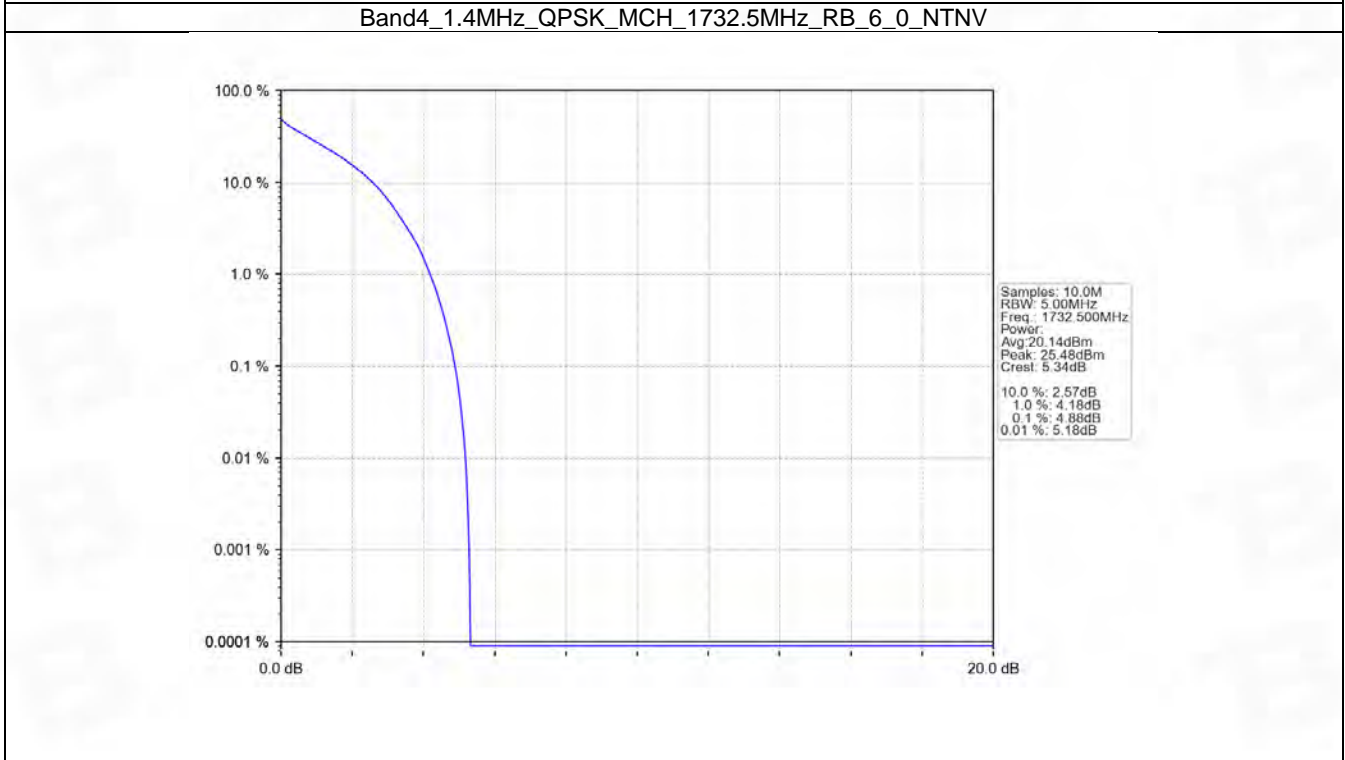
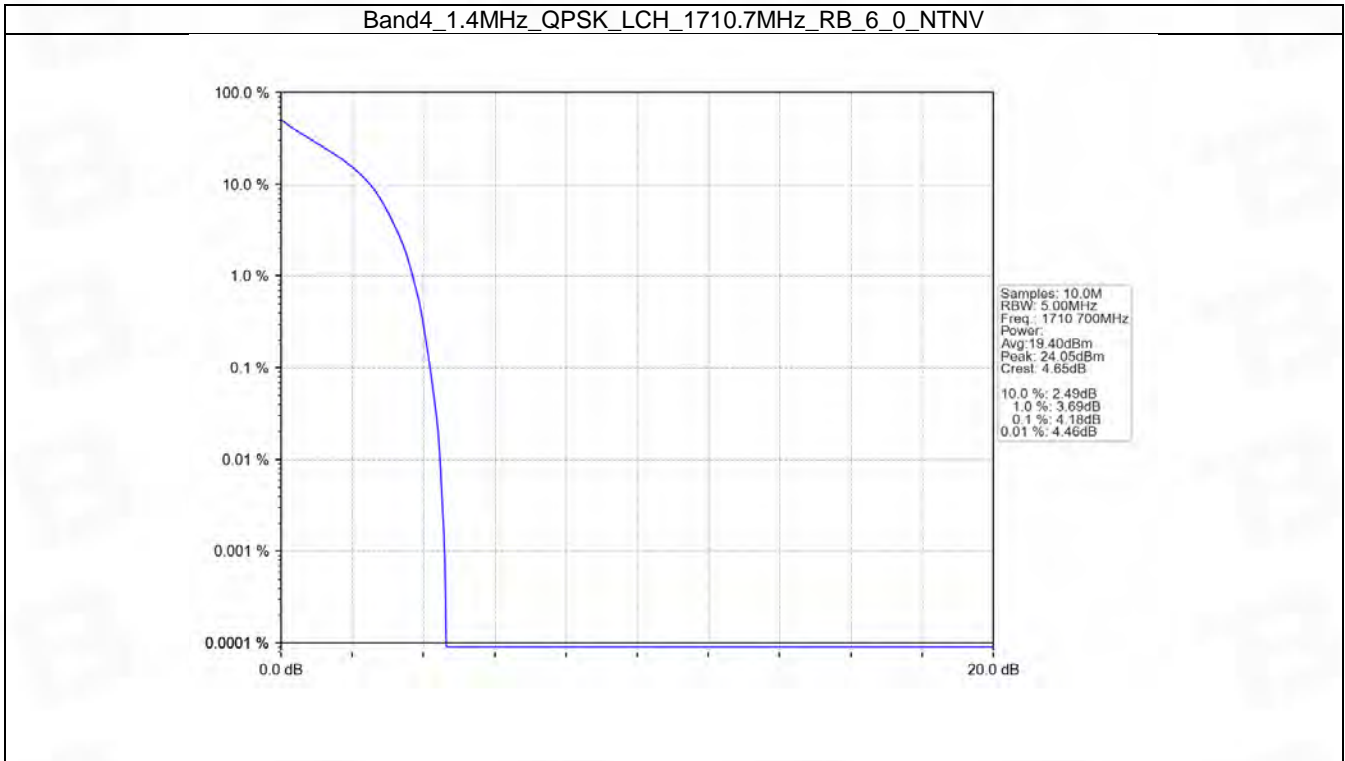
### 5.1 B4\_1.4MHz

#### 5.1.1 Test Result

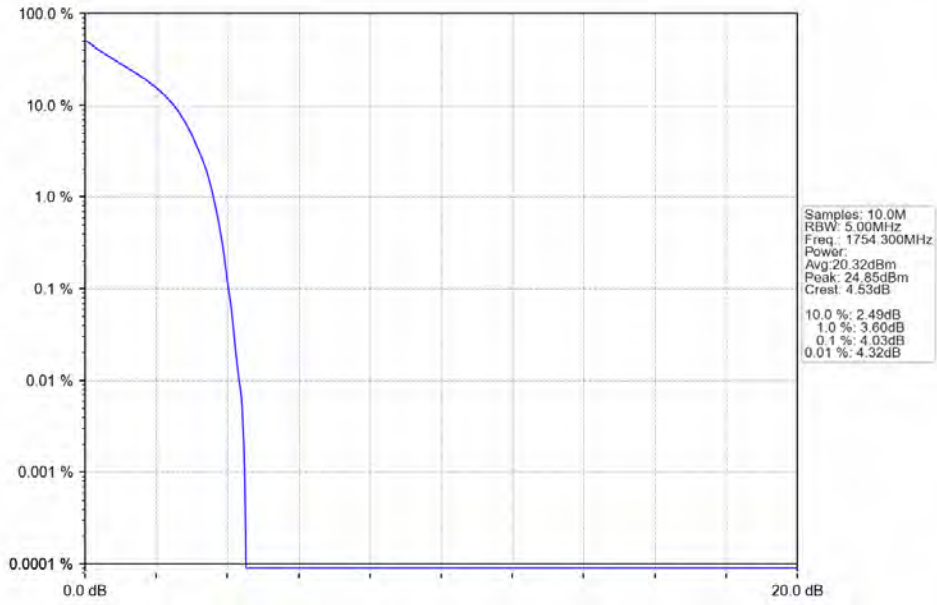
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.18	<=13	Pass
	1732.5	6	0	4.88	<=13	Pass
	1754.3	6	0	4.03	<=13	Pass
16QAM	1710.7	6	0	4.99	<=13	Pass
	1732.5	6	0	5.69	<=13	Pass
	1754.3	6	0	4.81	<=13	Pass



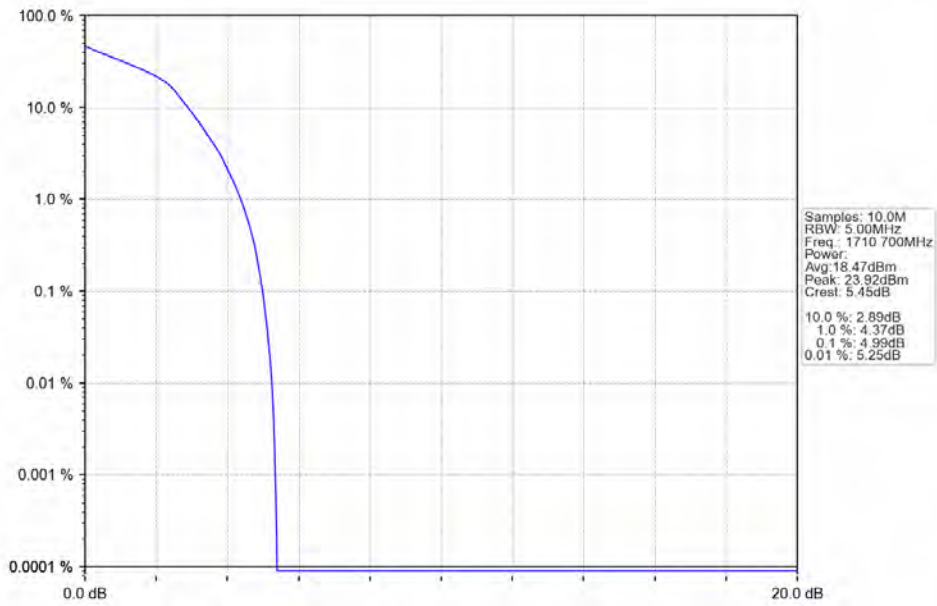
### 5.1.2 Test Graph



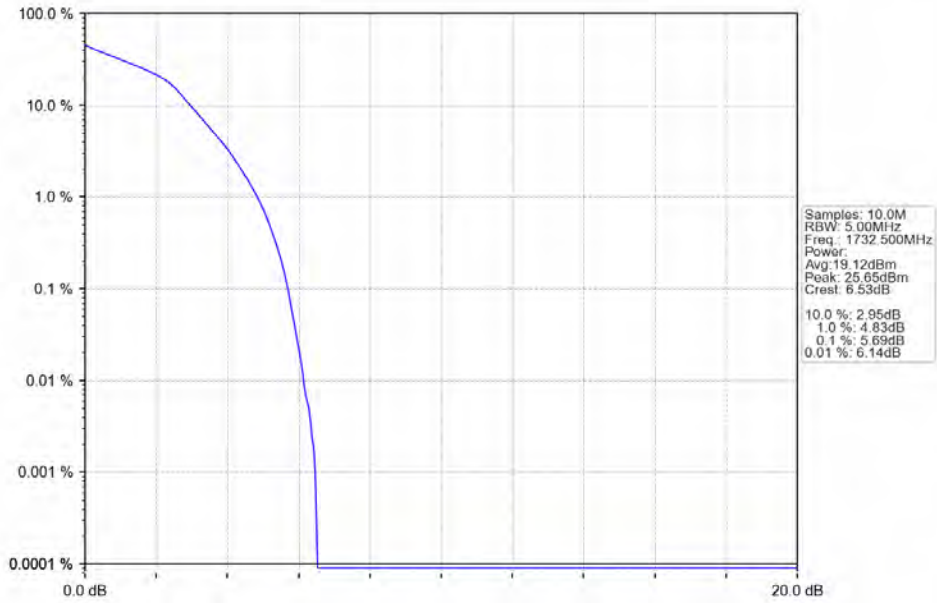
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTV



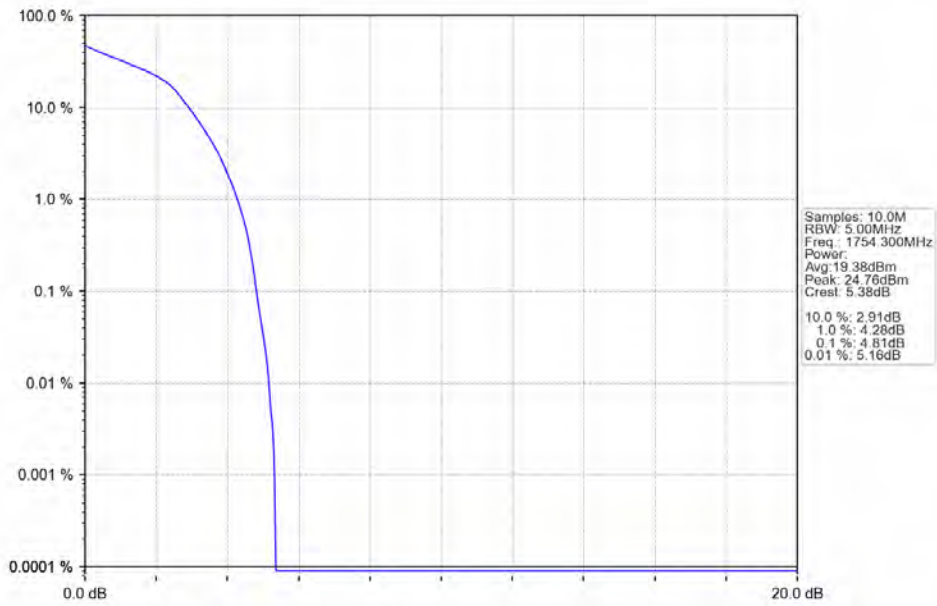
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTV



Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_6\_0\_NTNV



Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV

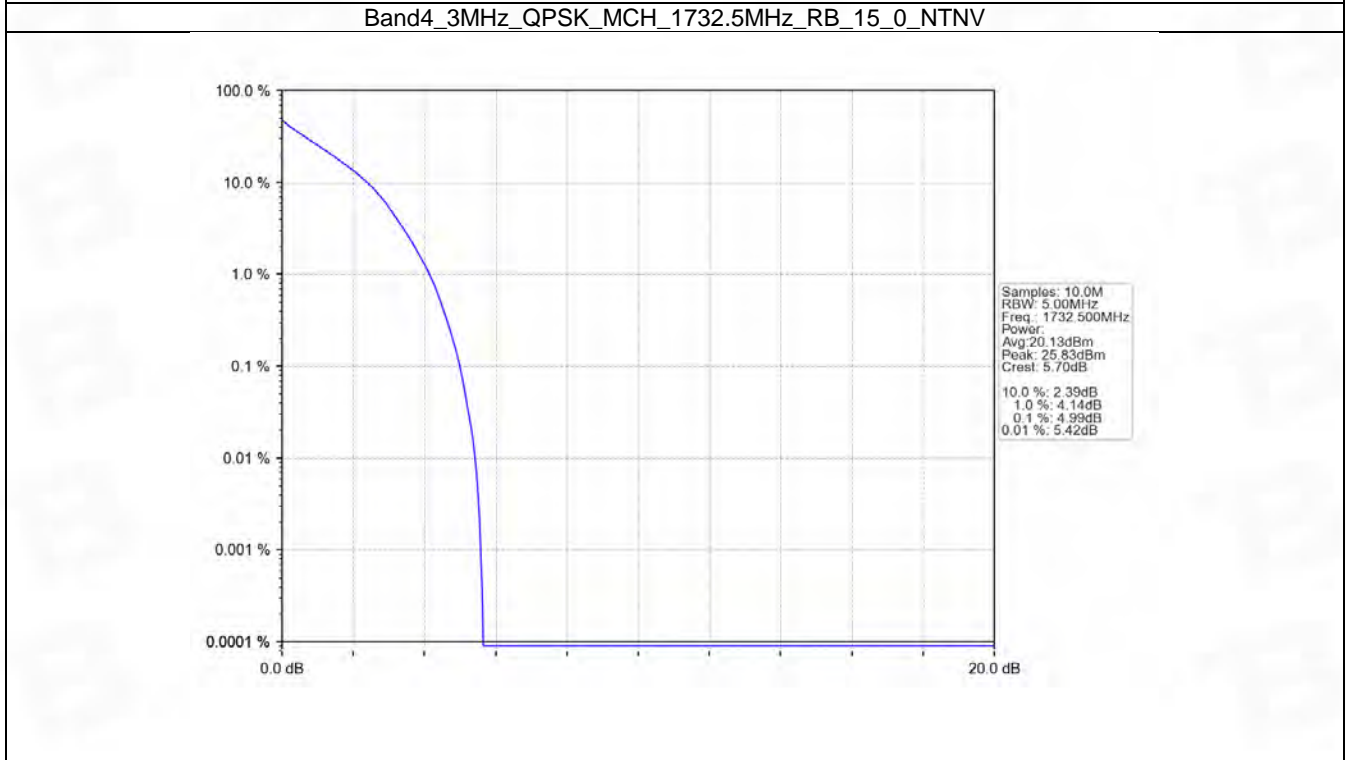
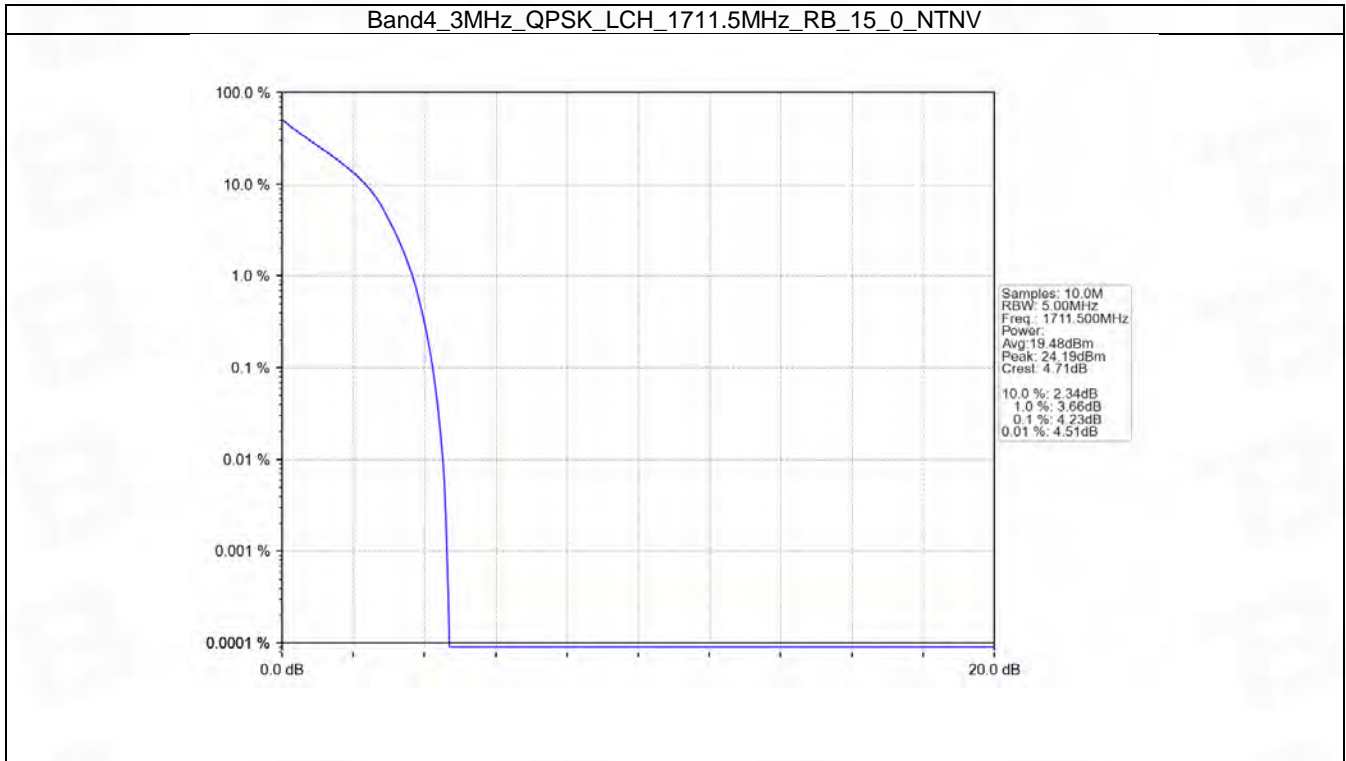


## 5.2 B4\_3MHz

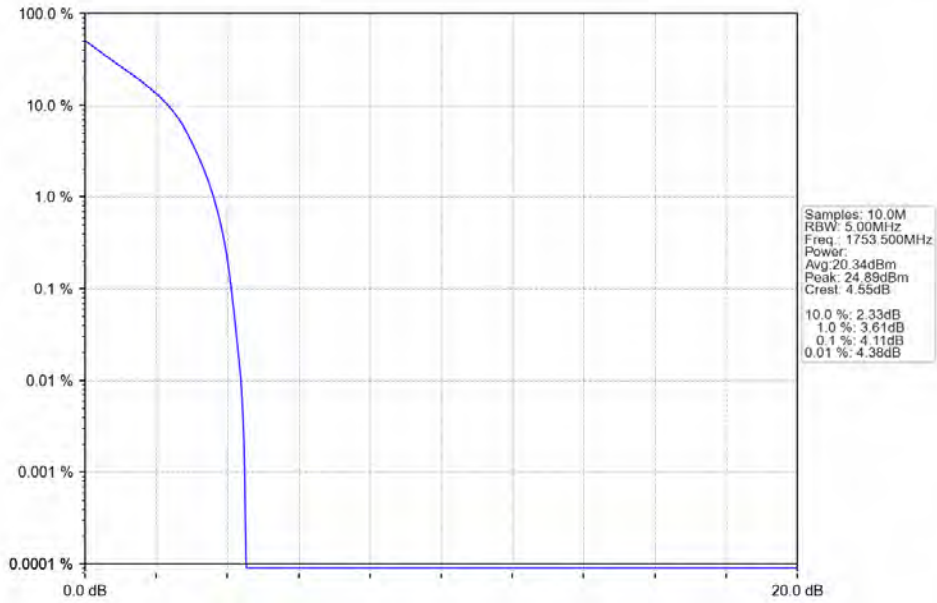
### 5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.23	<=13	Pass
	1732.5	15	0	4.99	<=13	Pass
	1753.5	15	0	4.11	<=13	Pass
16QAM	1711.5	15	0	5.06	<=13	Pass
	1732.5	15	0	5.80	<=13	Pass
	1753.5	15	0	4.93	<=13	Pass

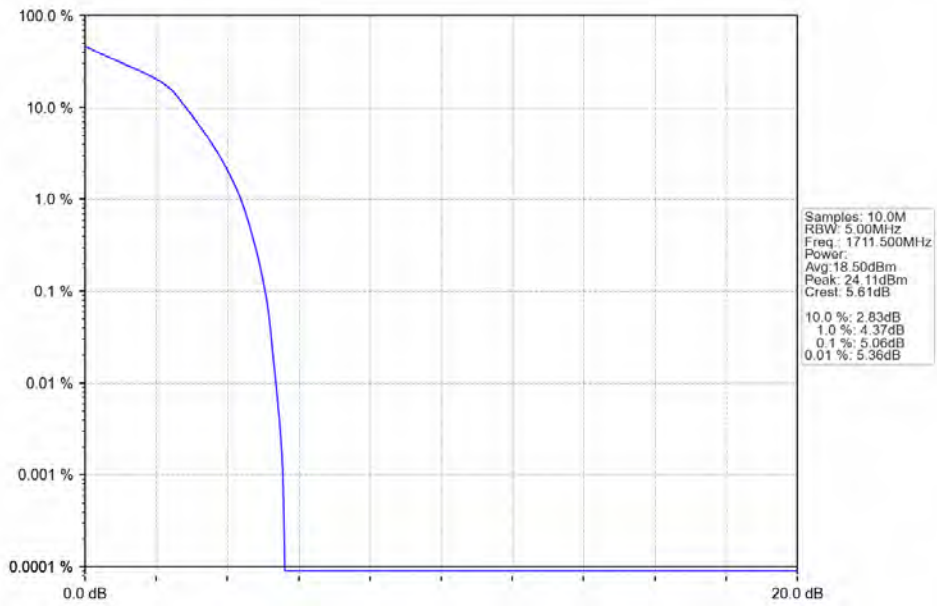
## 5.2.2 Test Graph



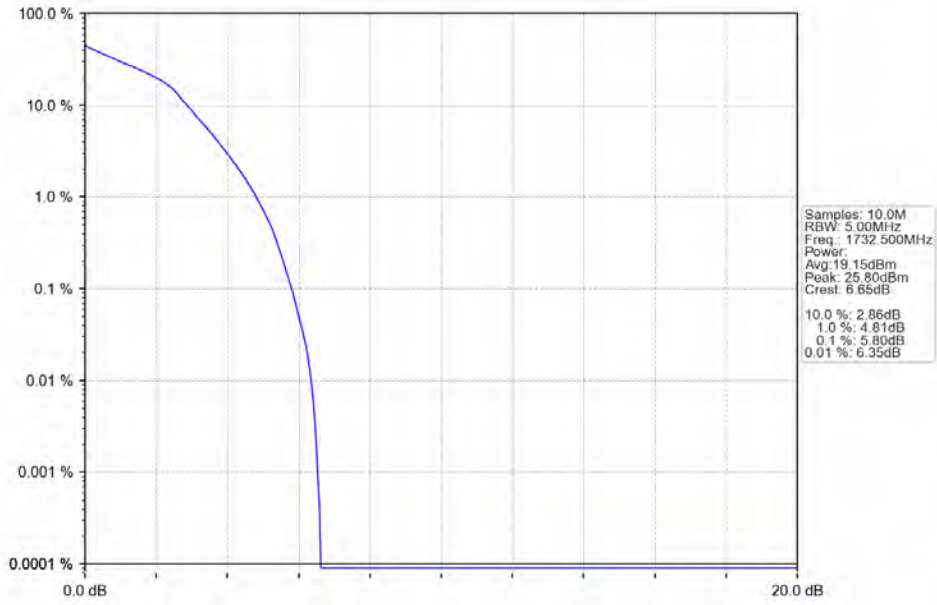
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



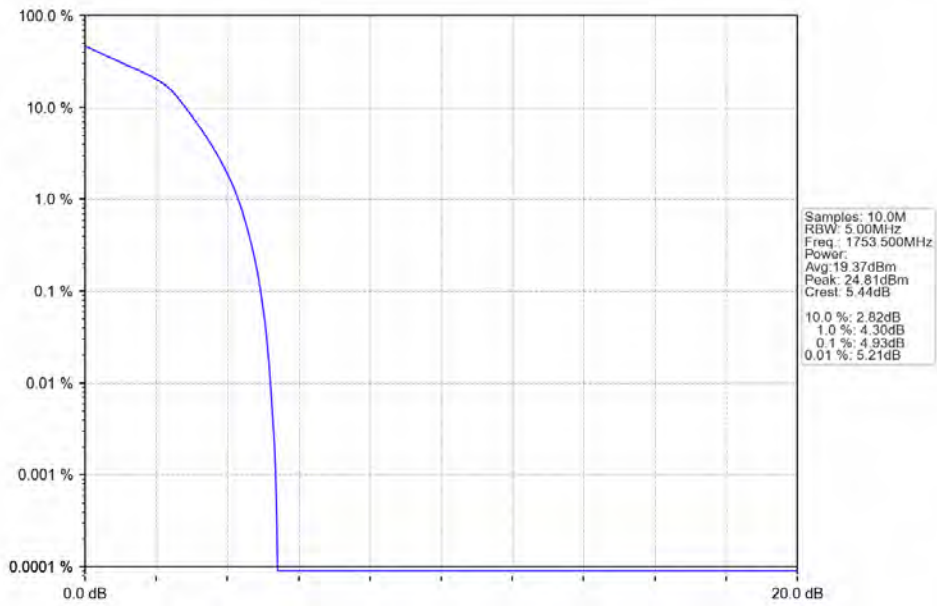
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_15\_0\_NTNV



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV



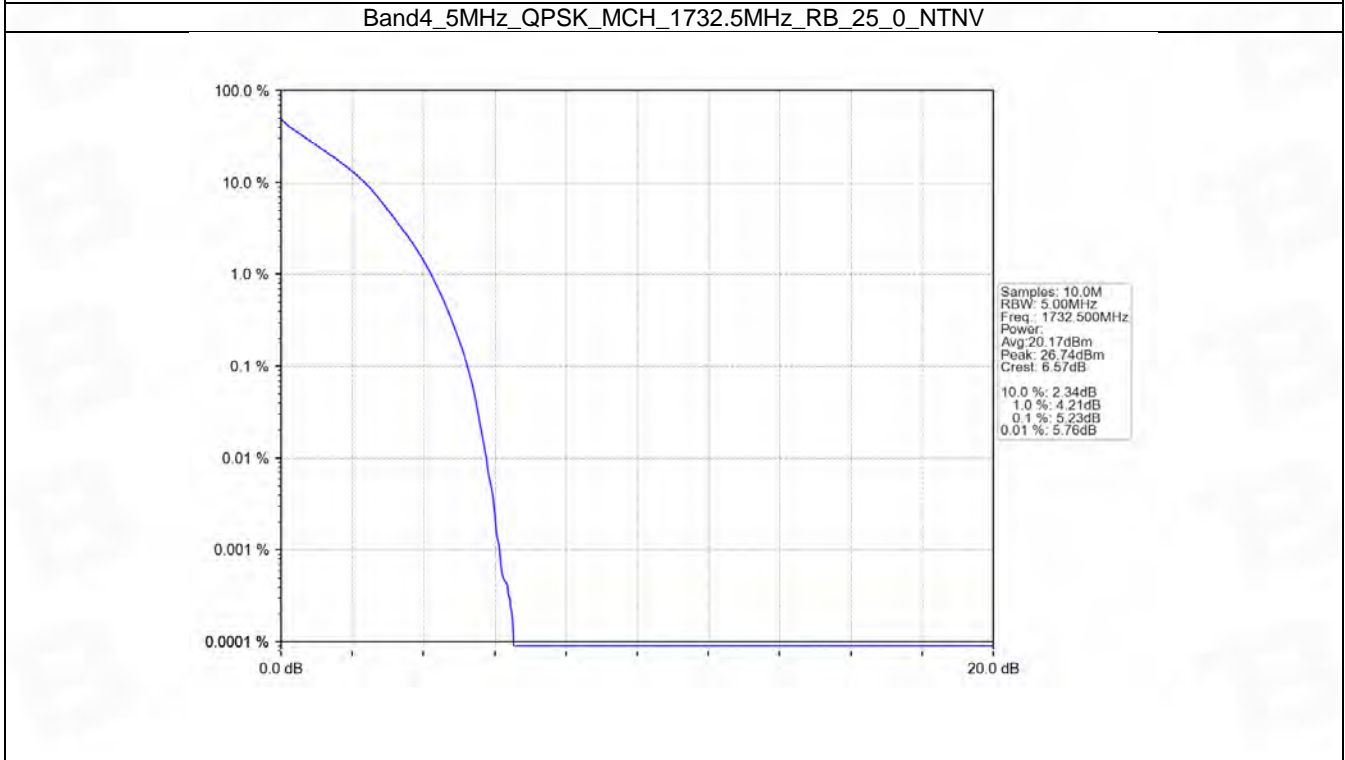
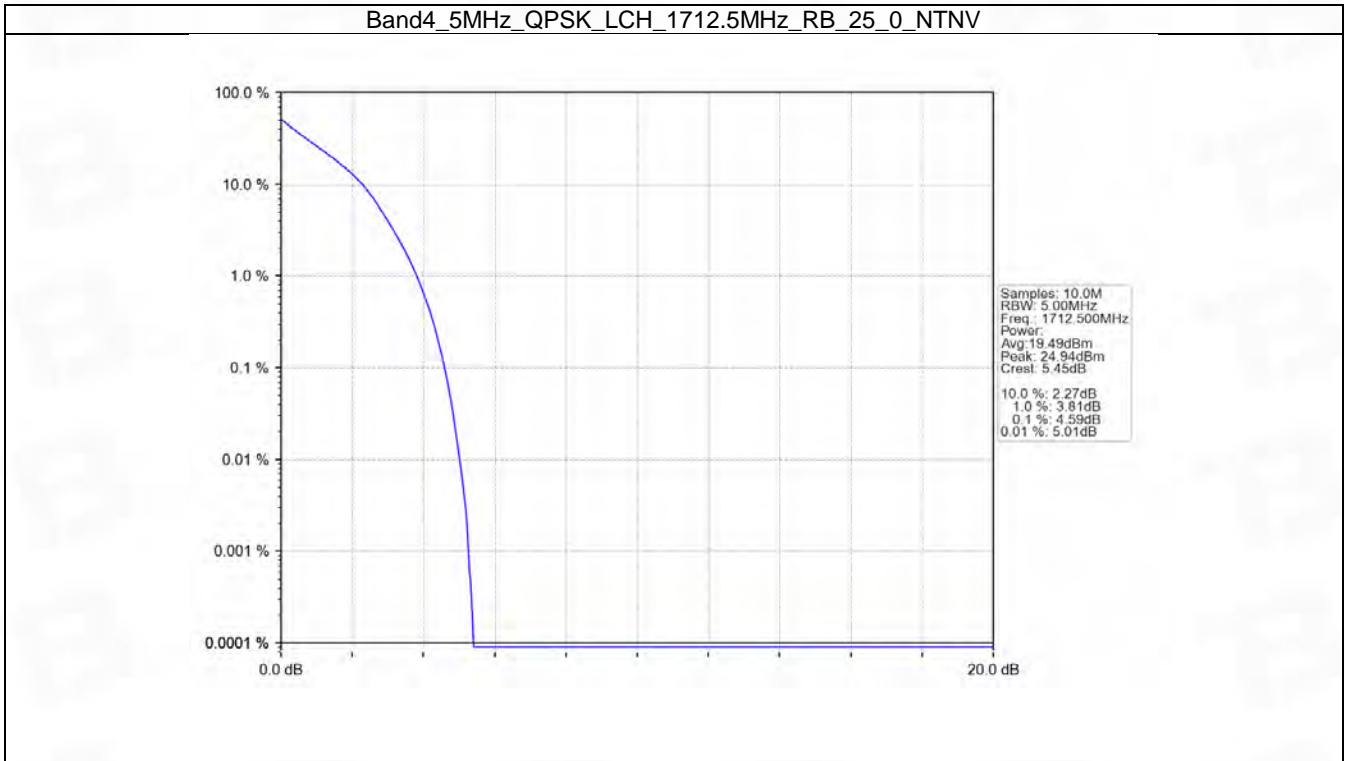
## 5.3 B4\_5MHz

### 5.3.1 Test Result

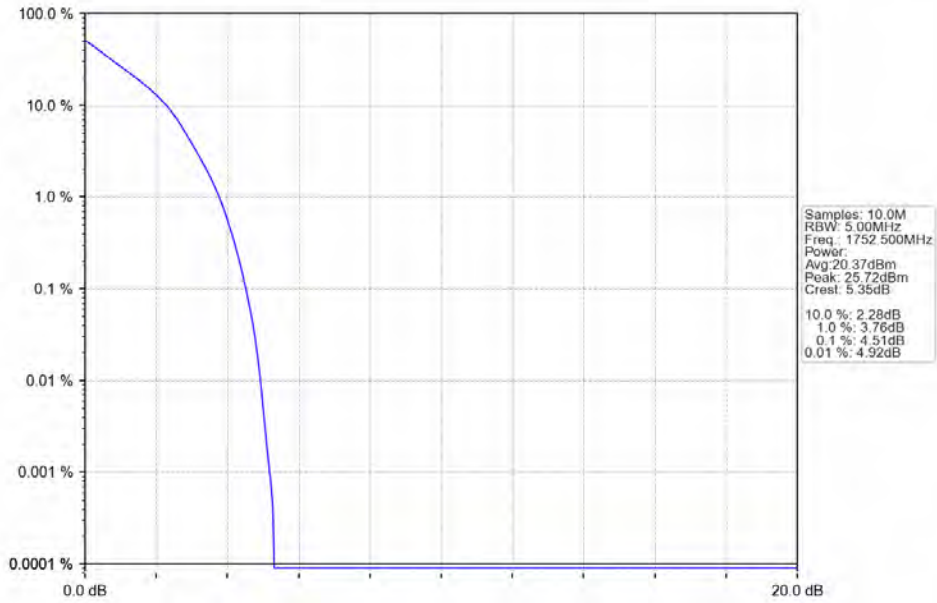
Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	4.59	<=13	Pass
	1732.5	25	0	5.23	<=13	Pass
	1752.5	25	0	4.51	<=13	Pass
16QAM	1712.5	25	0	5.27	<=13	Pass
	1732.5	25	0	5.93	<=13	Pass
	1752.5	25	0	5.23	<=13	Pass



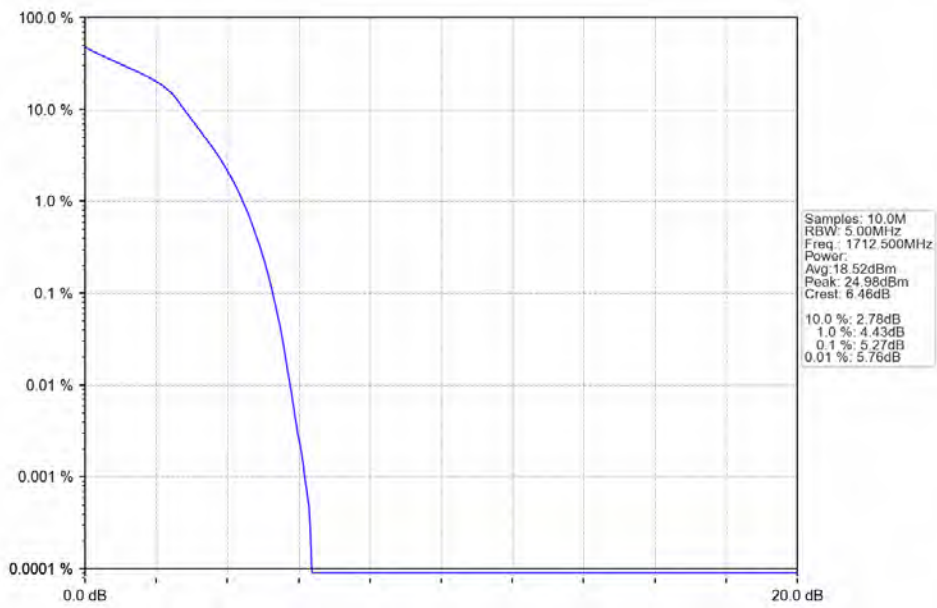
### 5.3.2 Test Graph



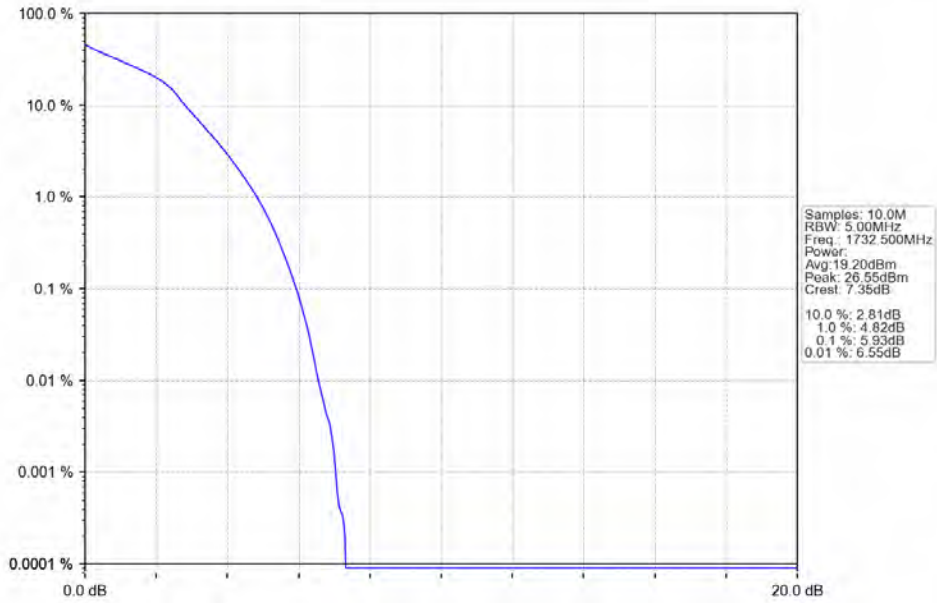
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



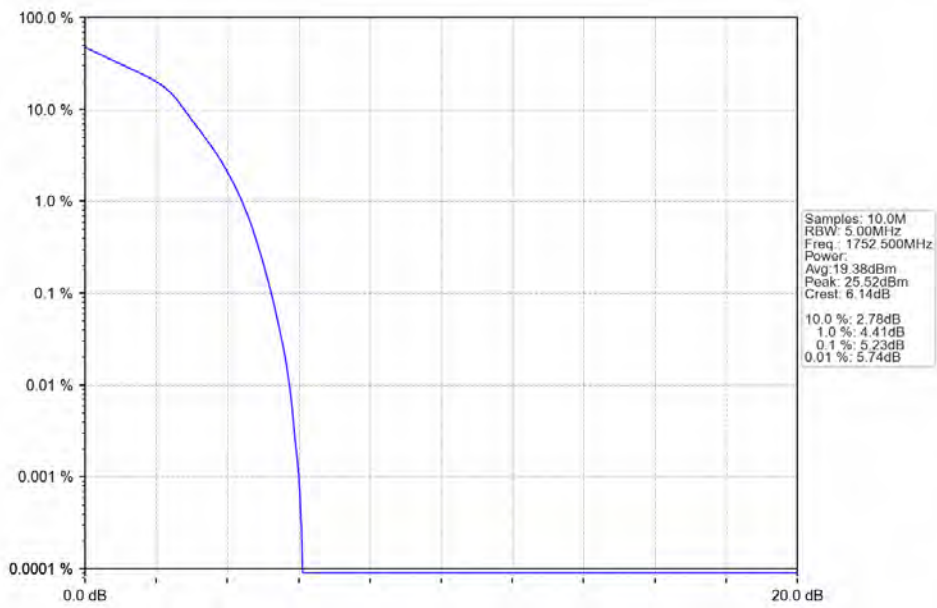
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_25\_0\_NTNV



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV

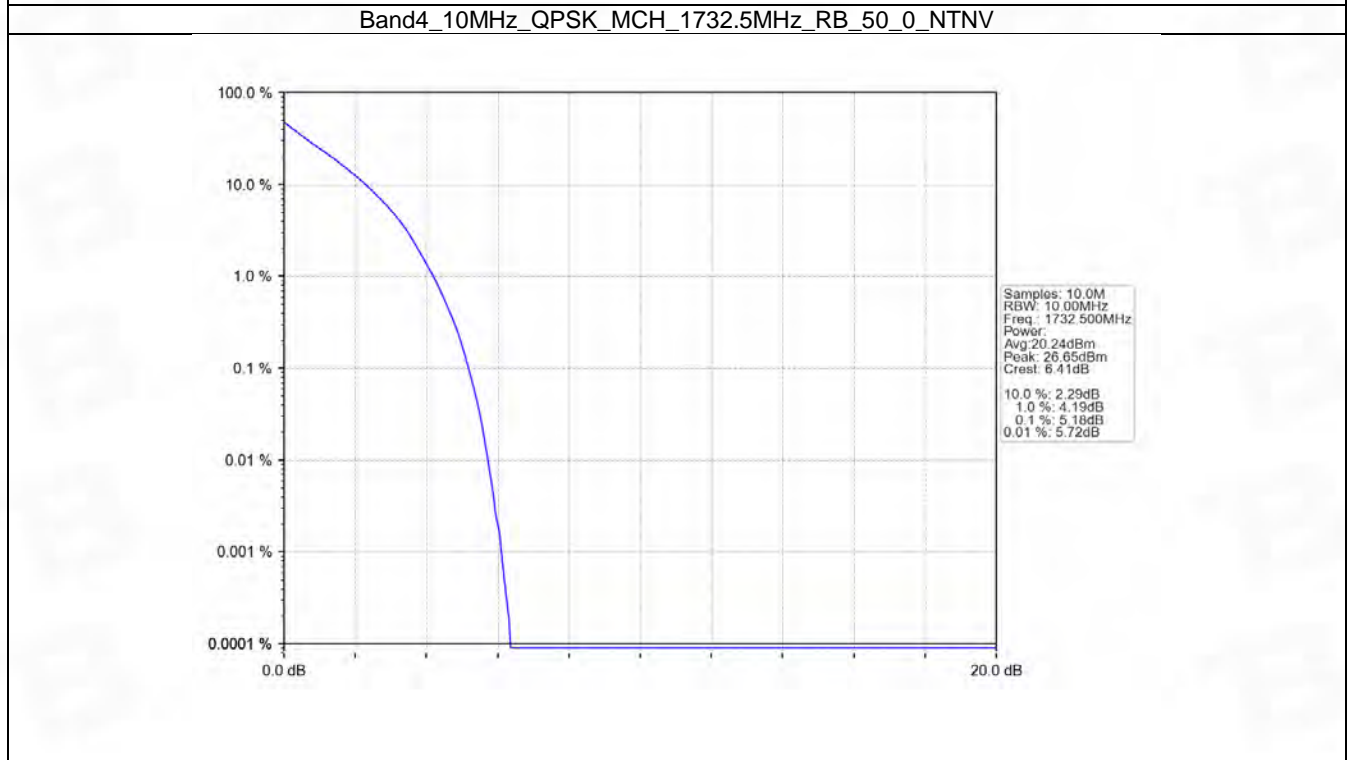
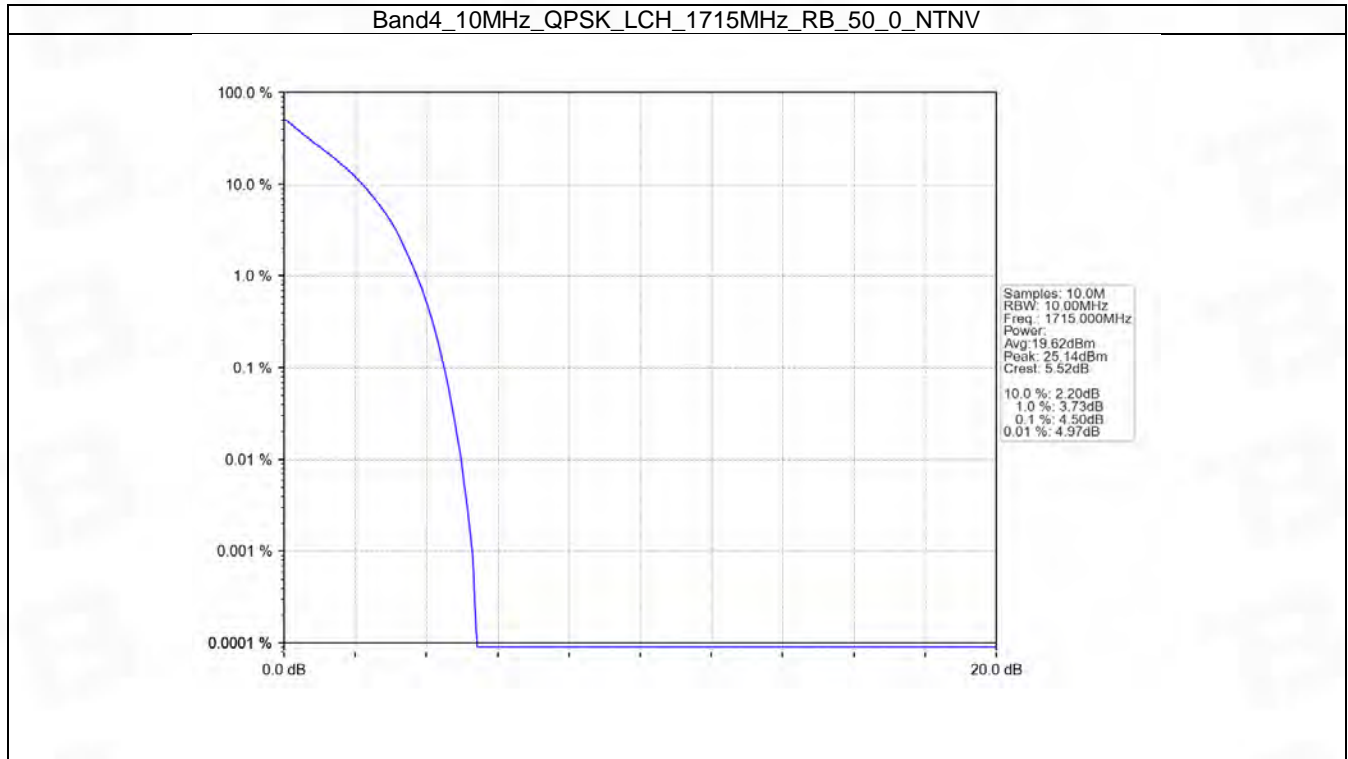


## 5.4 B4\_10MHz

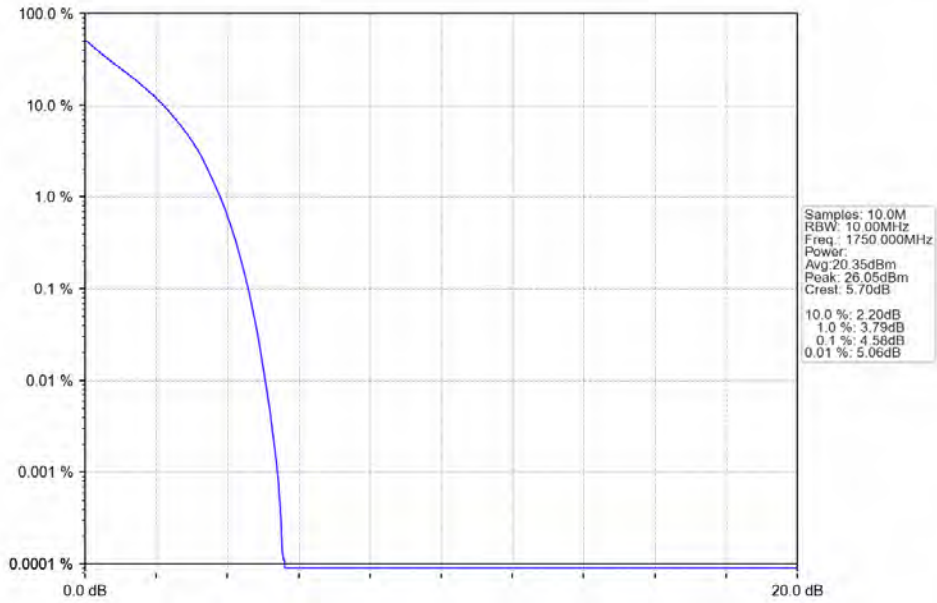
### 5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.50	<=13	Pass
	1732.5	50	0	5.18	<=13	Pass
	1750	50	0	4.58	<=13	Pass
16QAM	1715	50	0	5.24	<=13	Pass
	1732.5	50	0	5.96	<=13	Pass
	1750	50	0	5.33	<=13	Pass

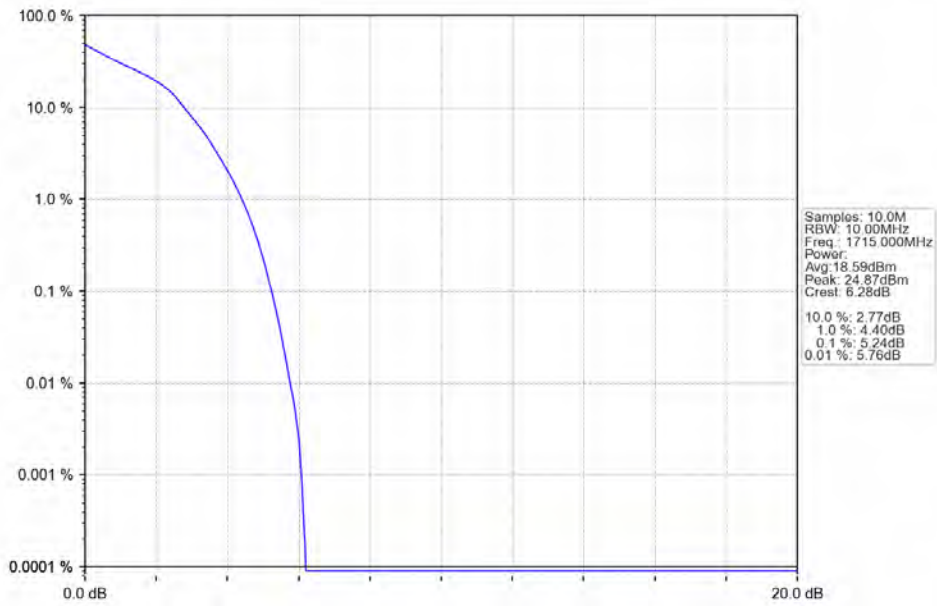
## 5.4.2 Test Graph



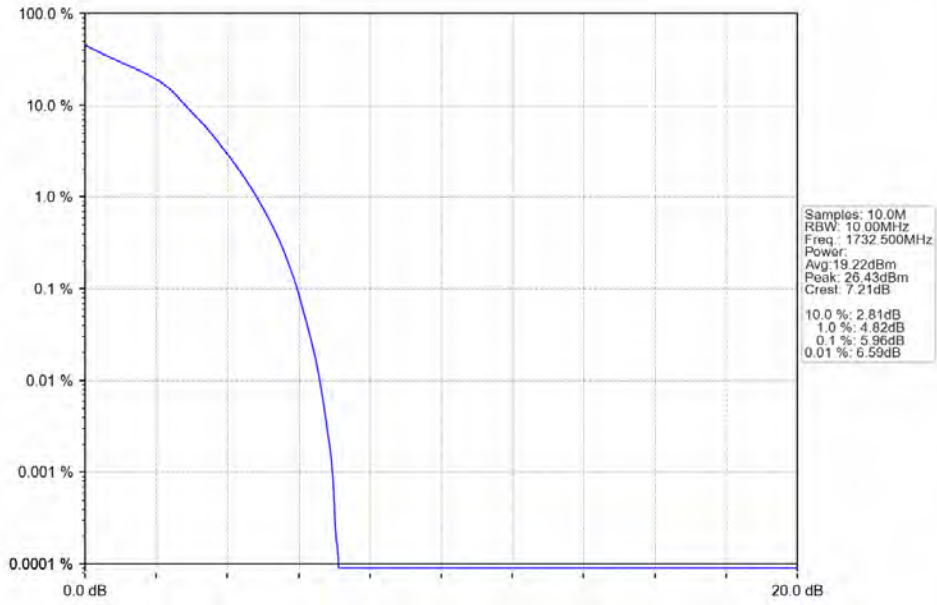
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV



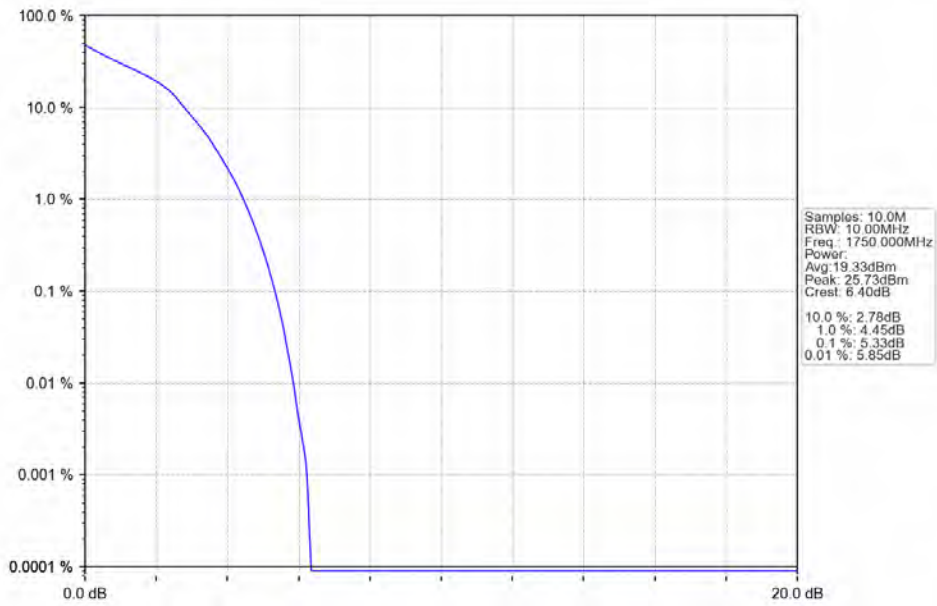
Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_50\_0\_NTNV



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTNV



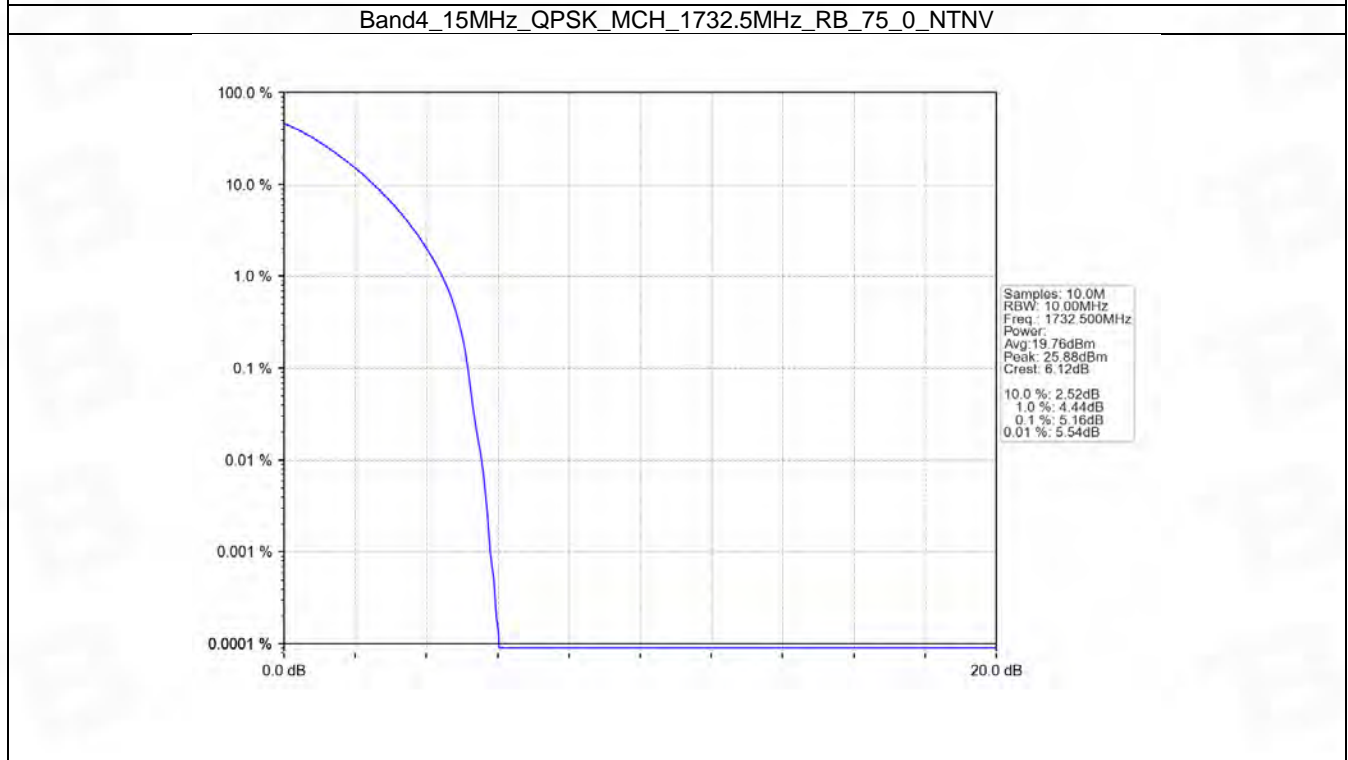
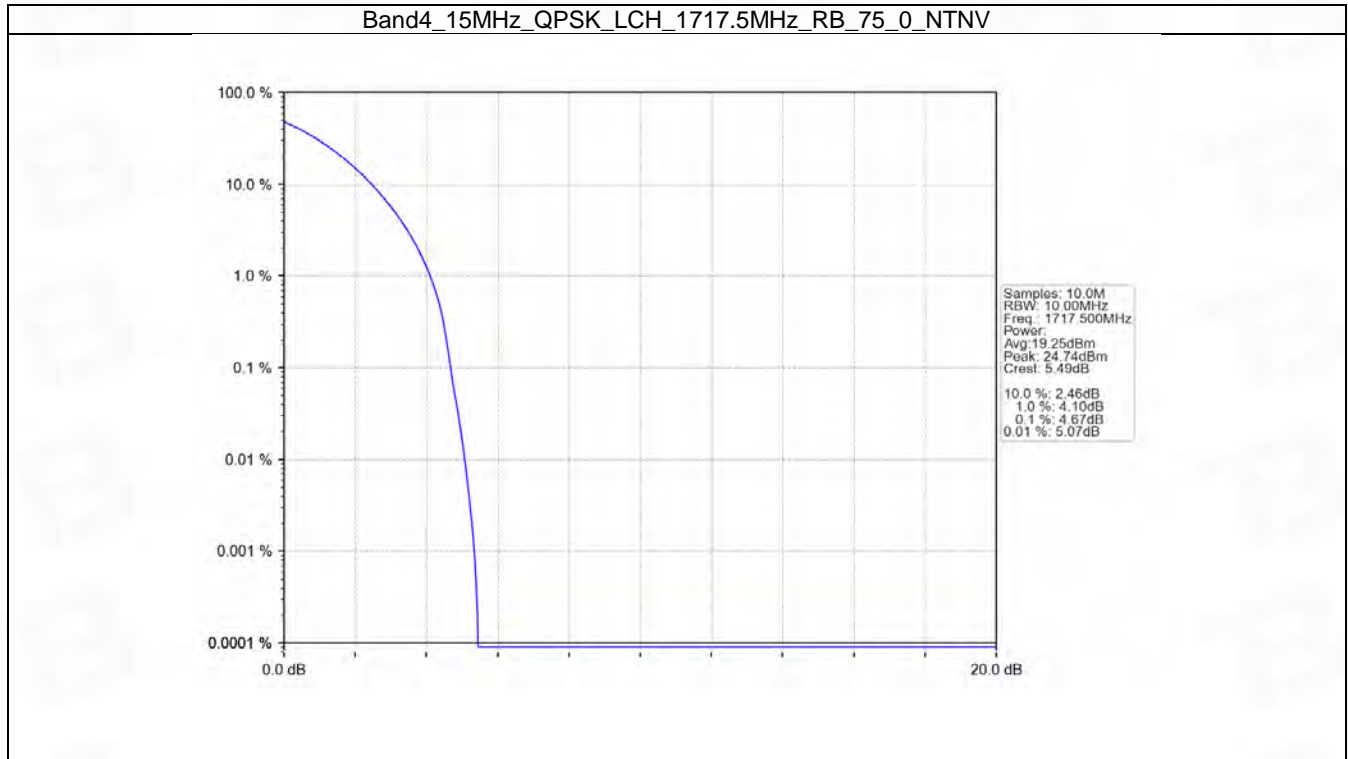
## 5.5 B4\_15MHz

### 5.5.1 Test Result

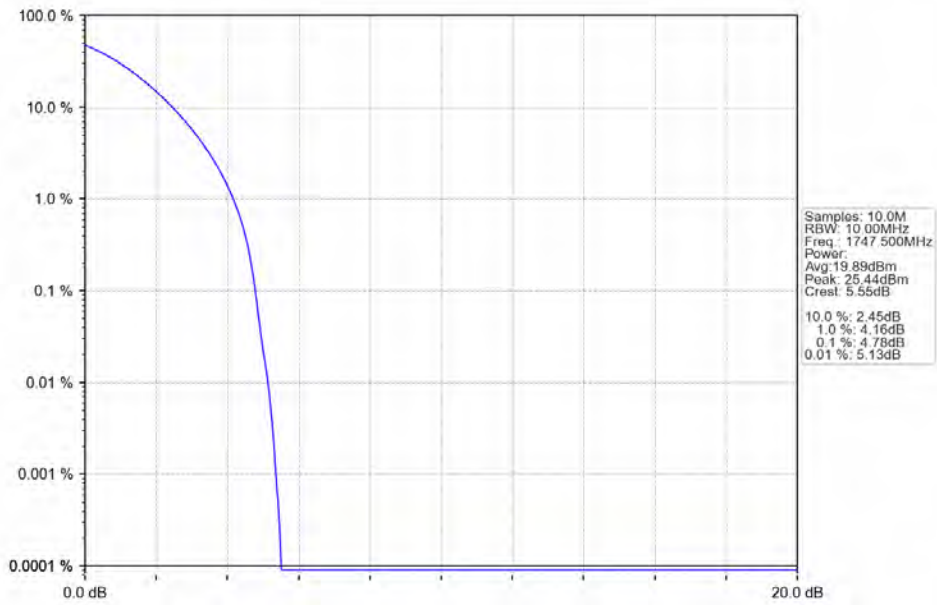
Band: 4 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.67	<=13	Pass
	1732.5	75	0	5.16	<=13	Pass
	1747.5	75	0	4.78	<=13	Pass
16QAM	1717.5	75	0	5.46	<=13	Pass
	1732.5	75	0	5.93	<=13	Pass
	1747.5	75	0	5.57	<=13	Pass



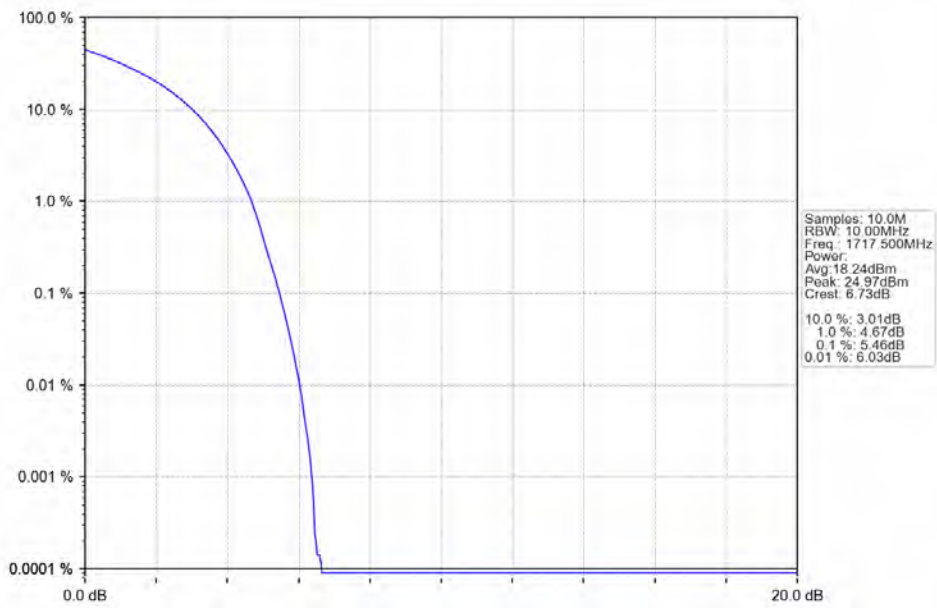
## 5.5.2 Test Graph



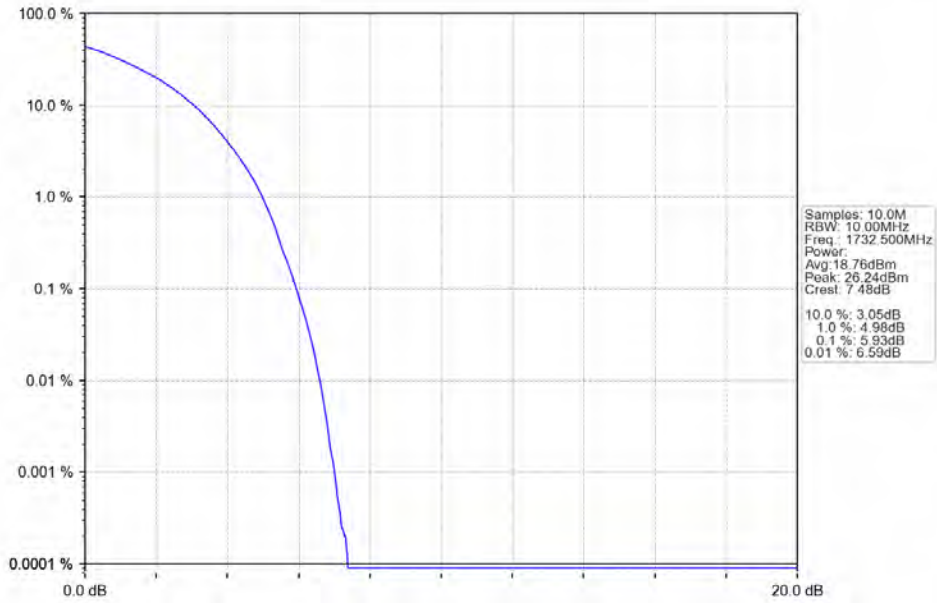
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



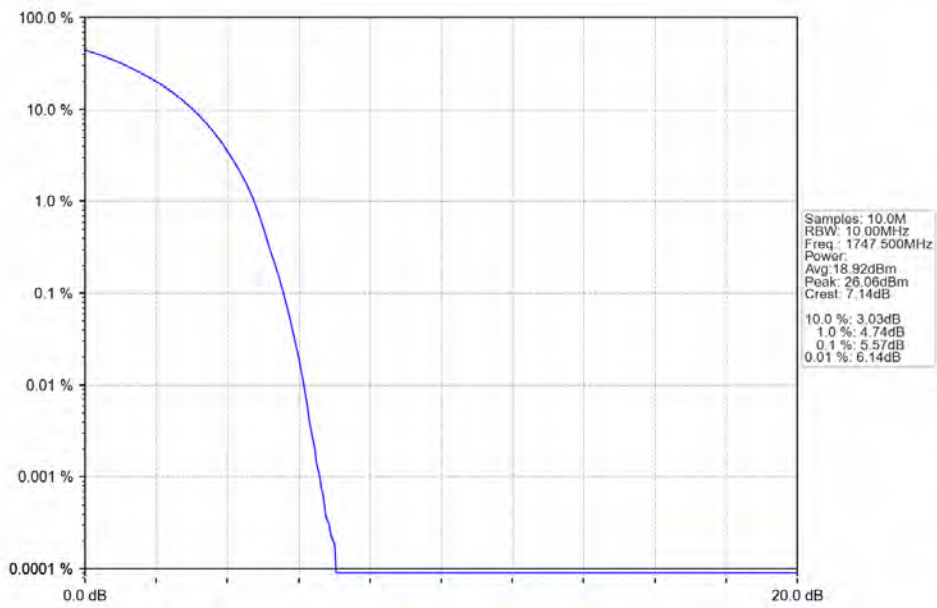
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_75\_0\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV

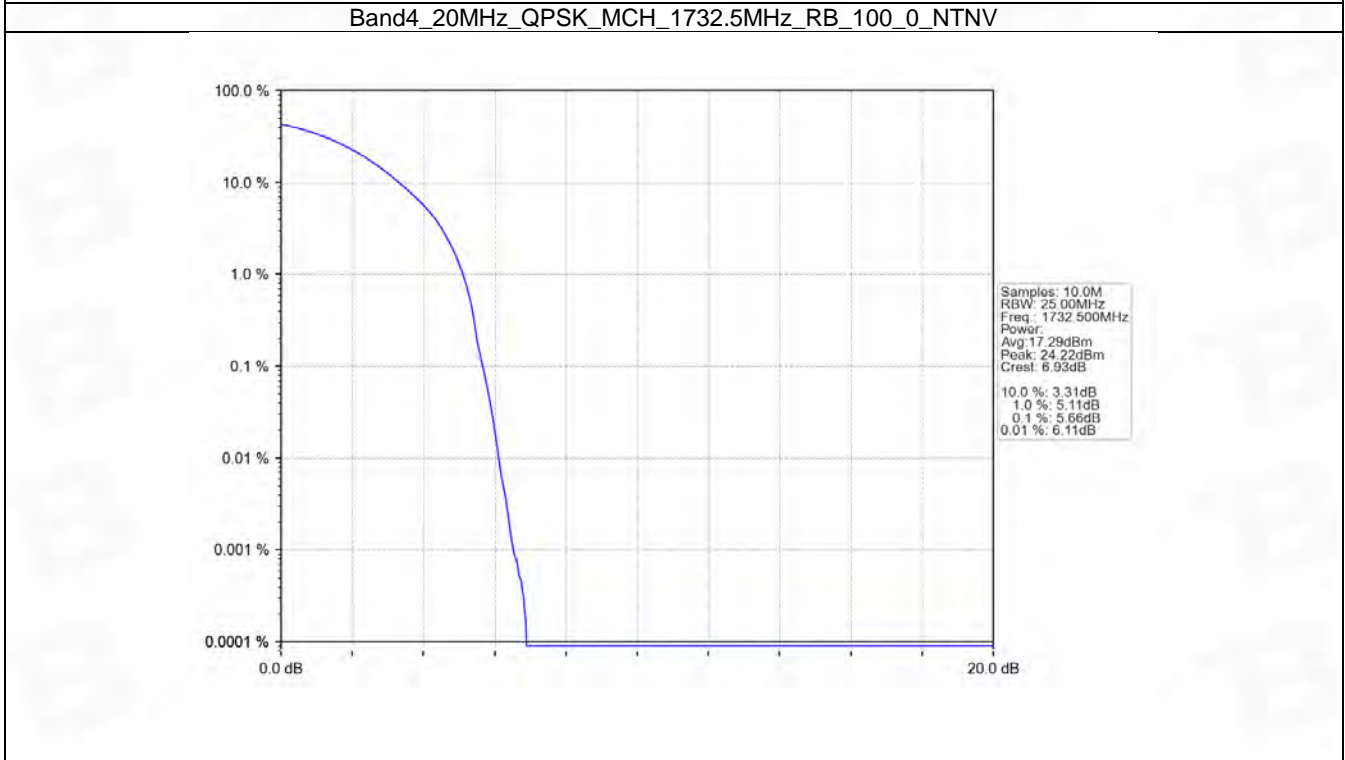
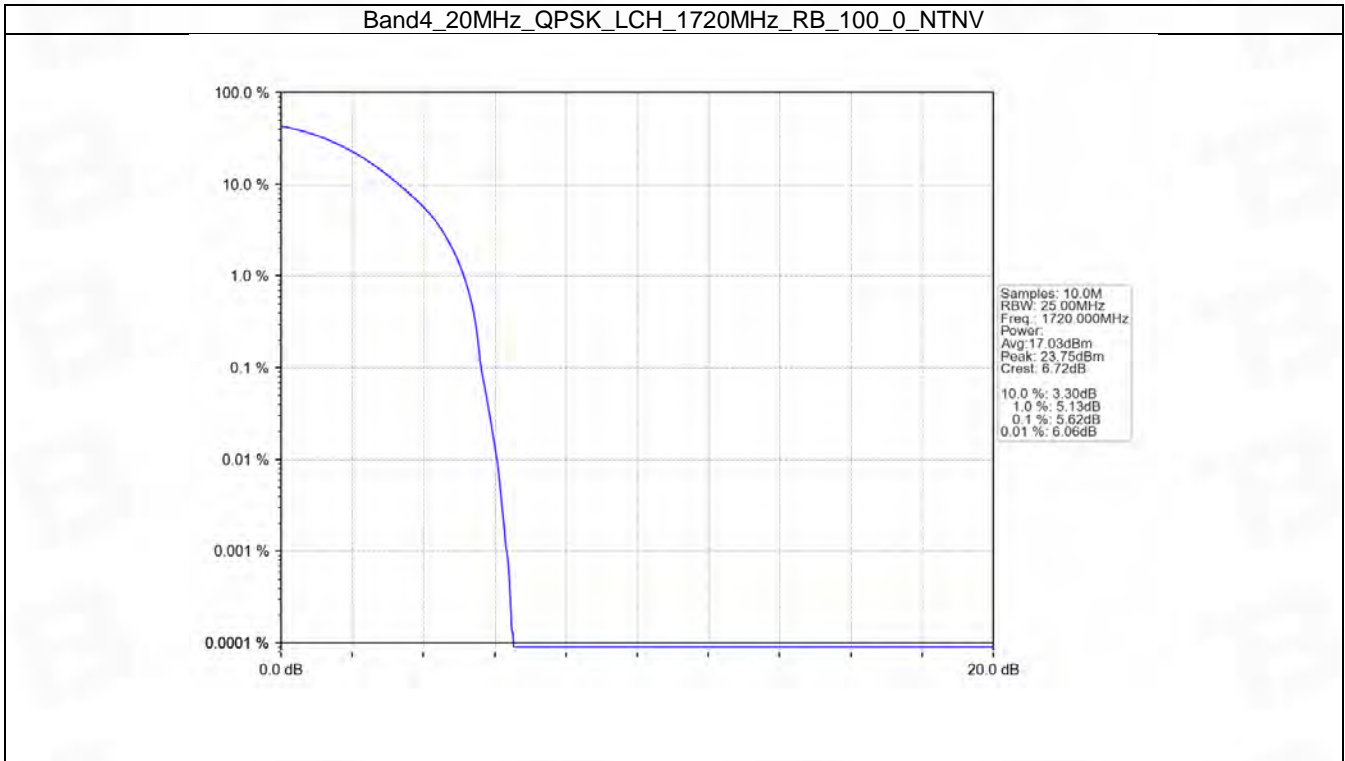


## 5.6 B4\_20MHz

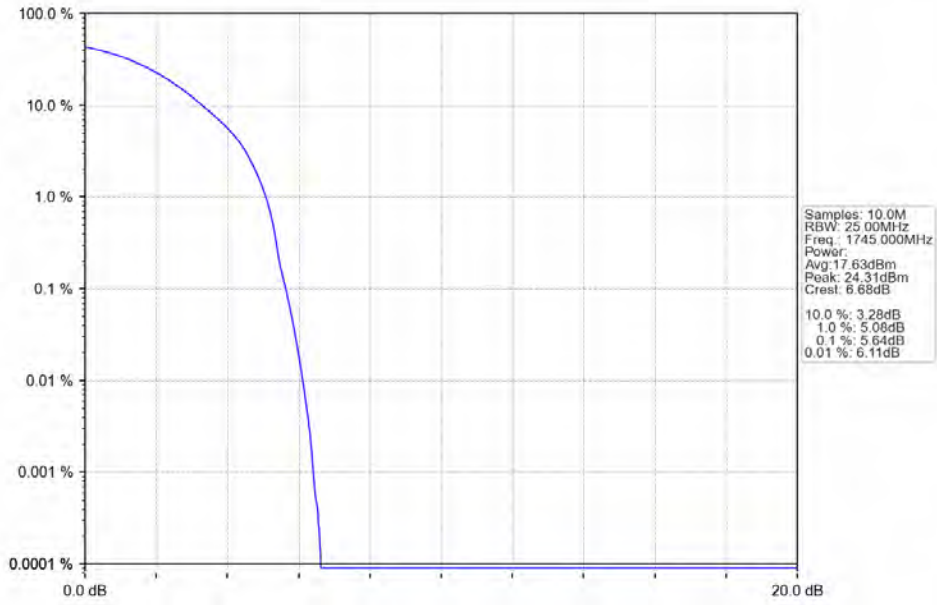
### 5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.62	<=13	Pass
	1732.5	100	0	5.66	<=13	Pass
	1745	100	0	5.64	<=13	Pass
16QAM	1720	100	0	6.55	<=13	Pass
	1732.5	100	0	6.69	<=13	Pass
	1745	100	0	6.58	<=13	Pass

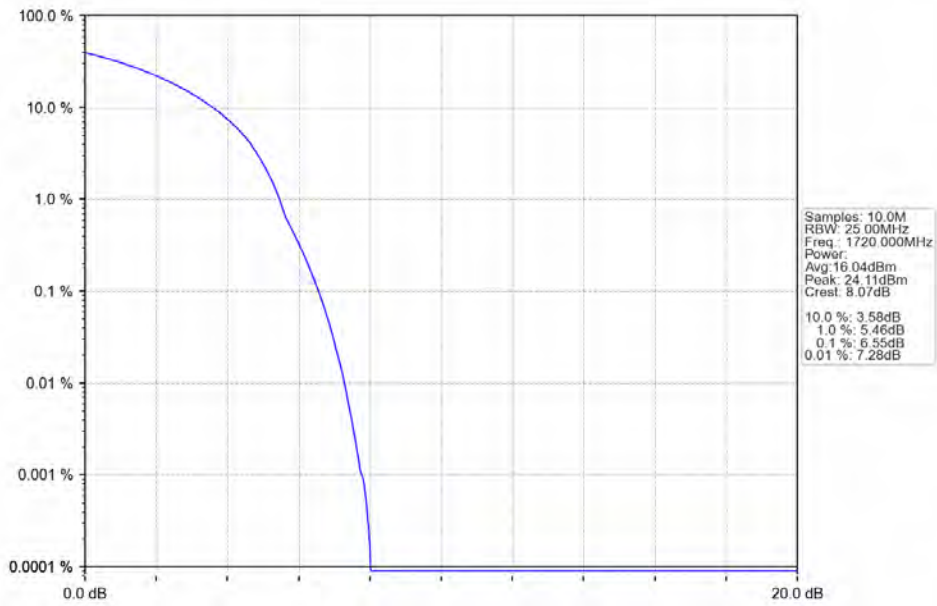
### 5.6.2 Test Graph



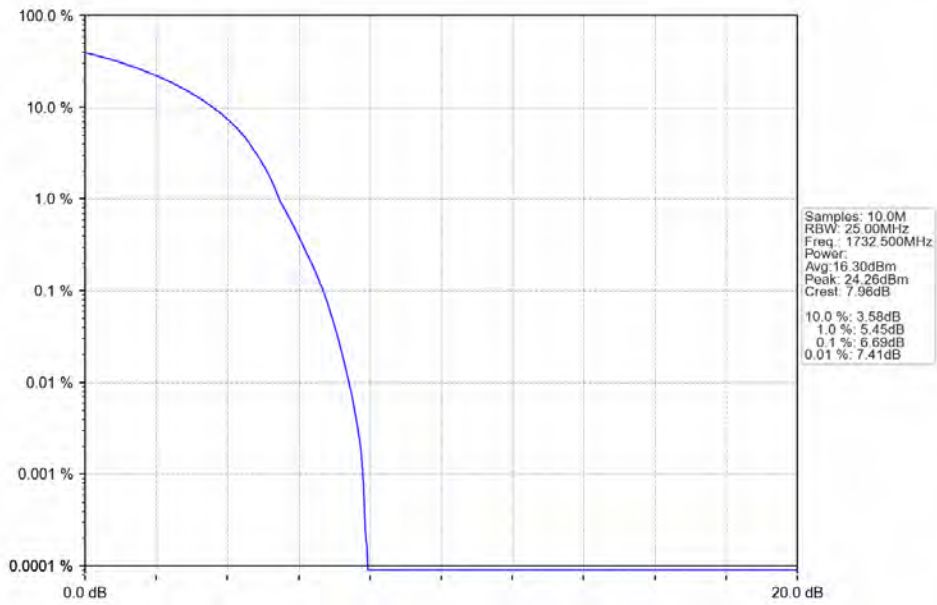
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



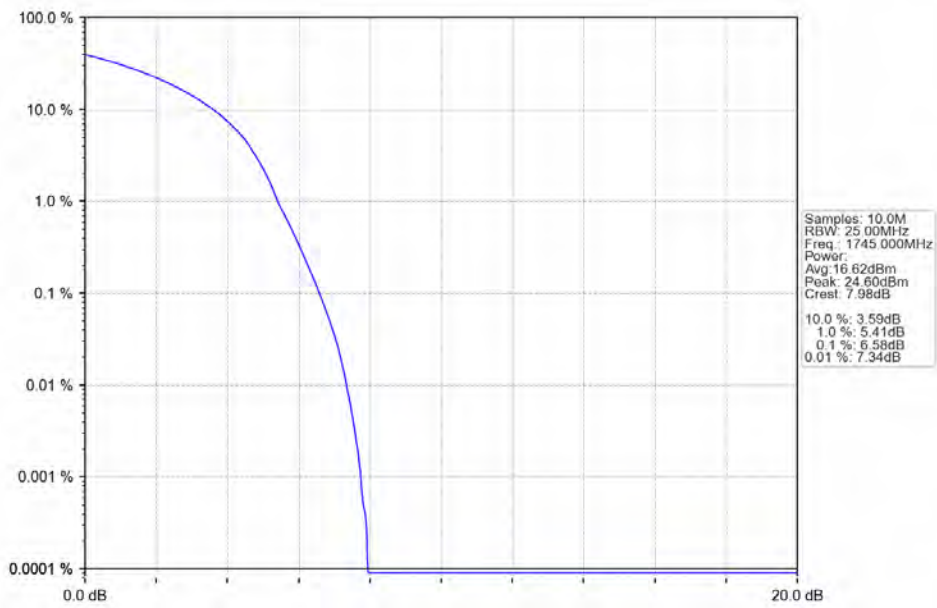
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_100\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTNV



## 6. Spurious Emission

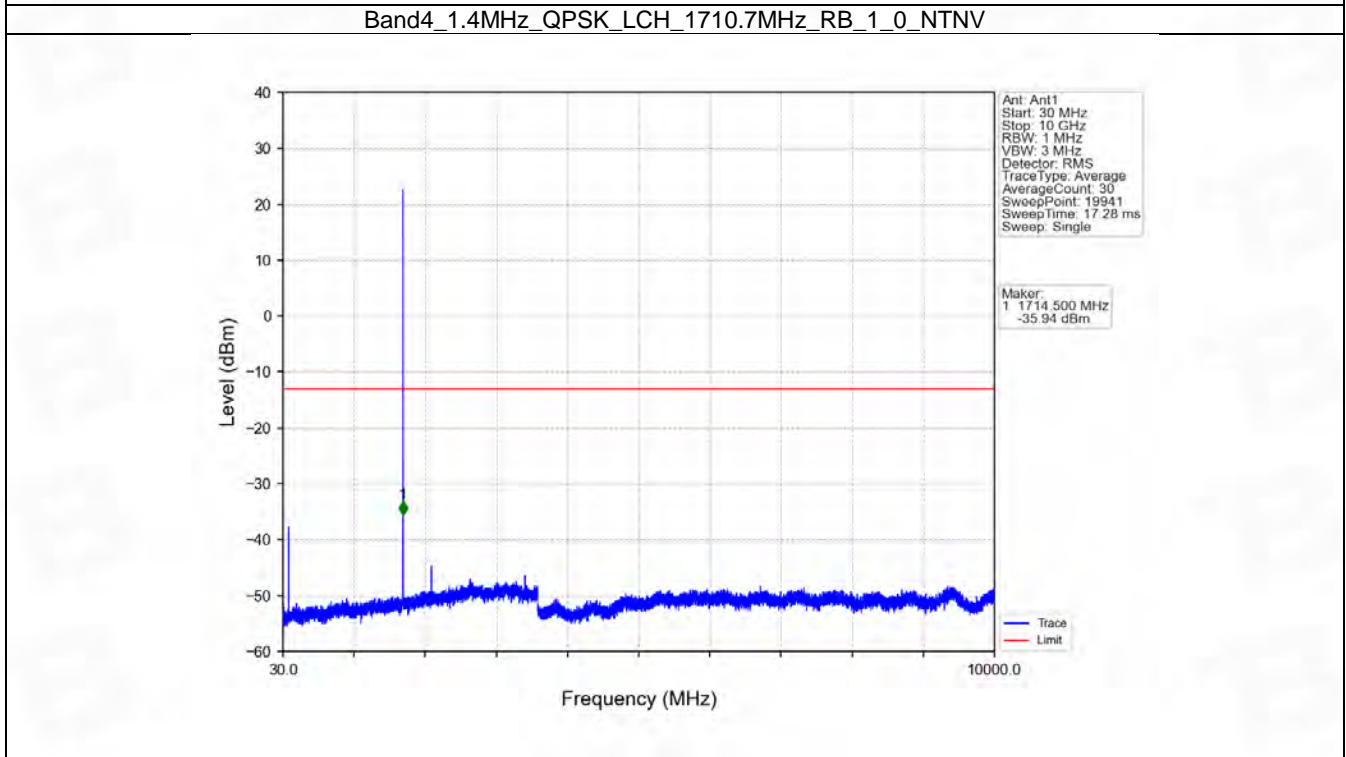
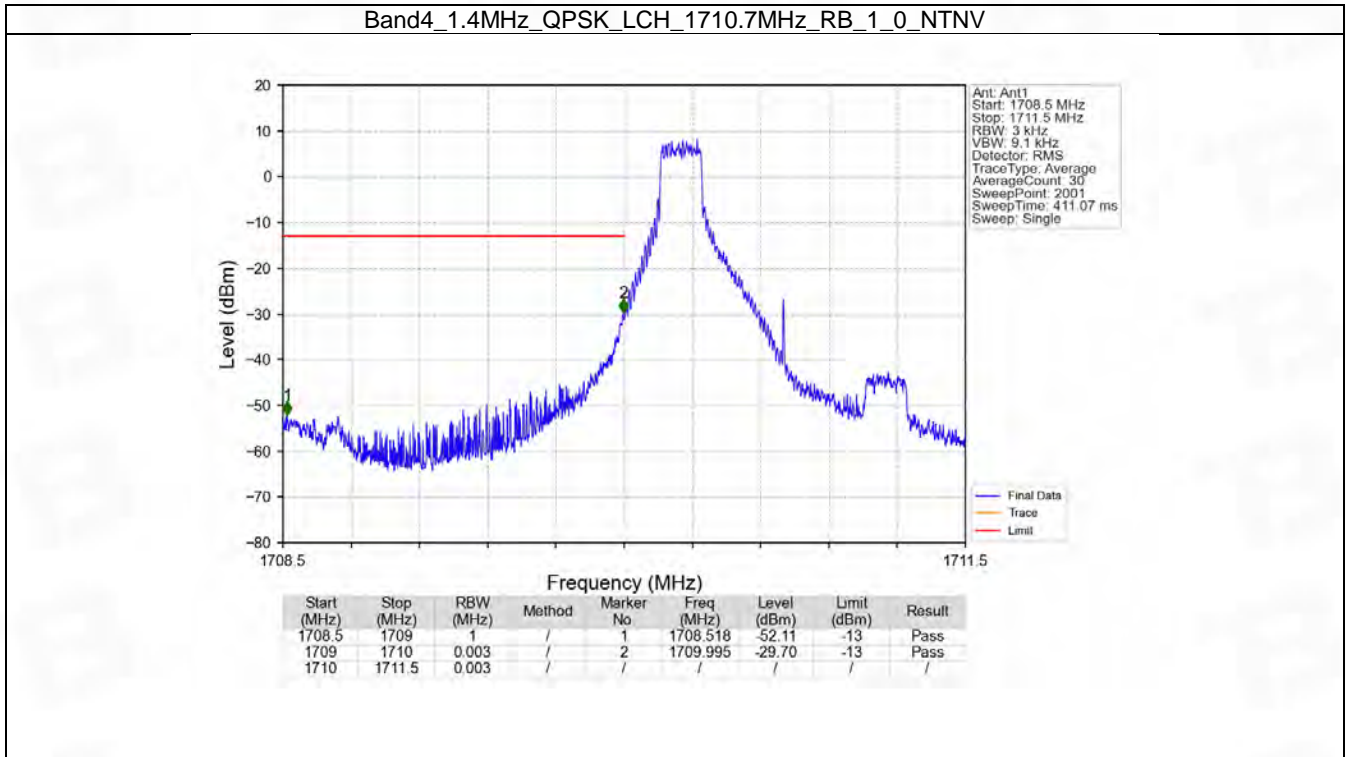
### 6.1 B4\_1.4MHz

#### 6.1.1 Test Result

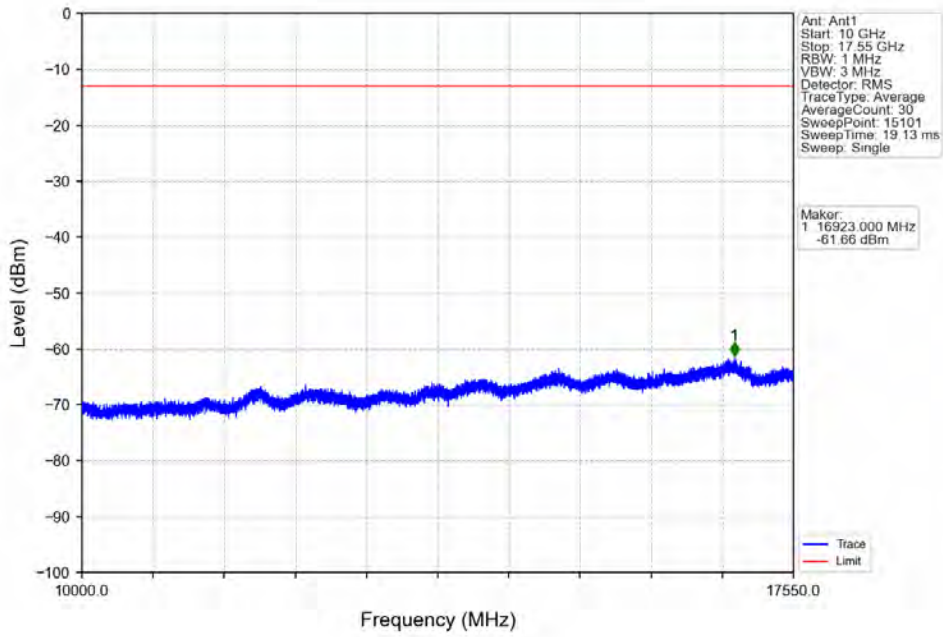
Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



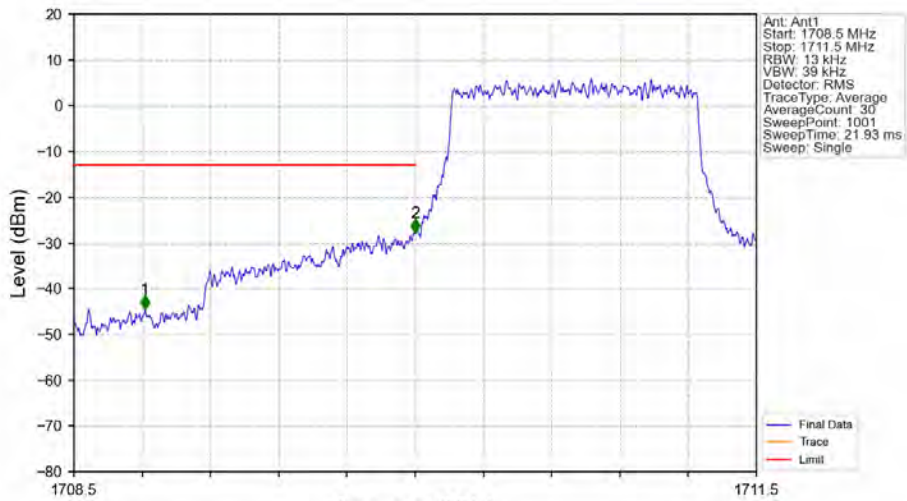
### 6.1.2 Test Graph



Band4\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV

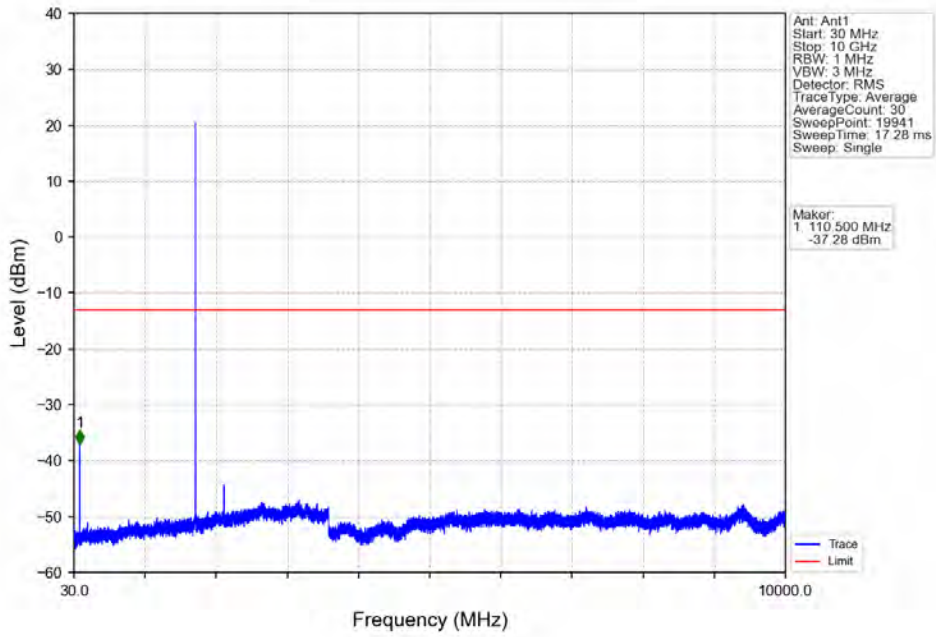


Band4\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

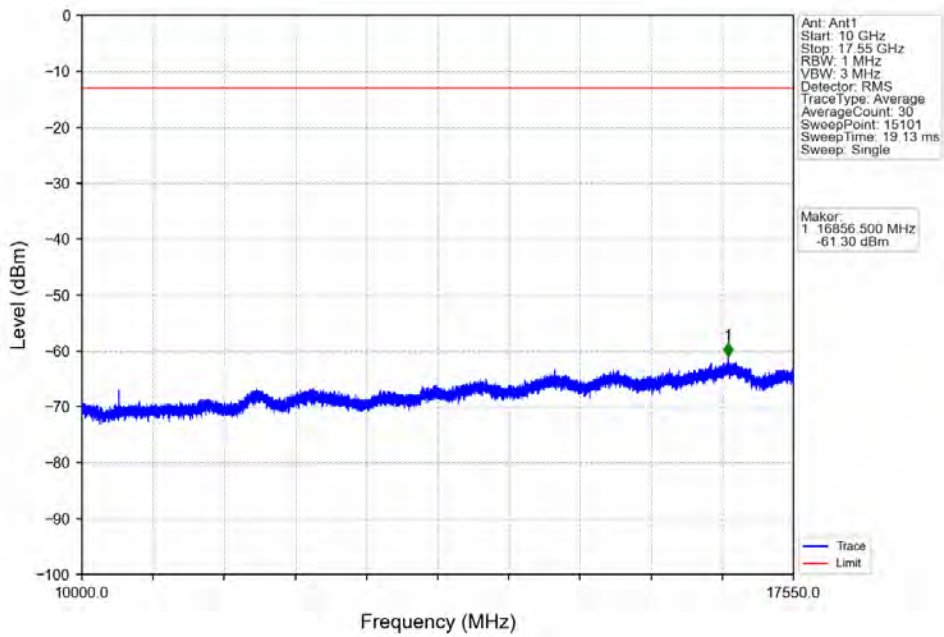


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.812	-44.57	-13	Pass
1709	1710	0.013	/	2	1710.000	-27.77	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

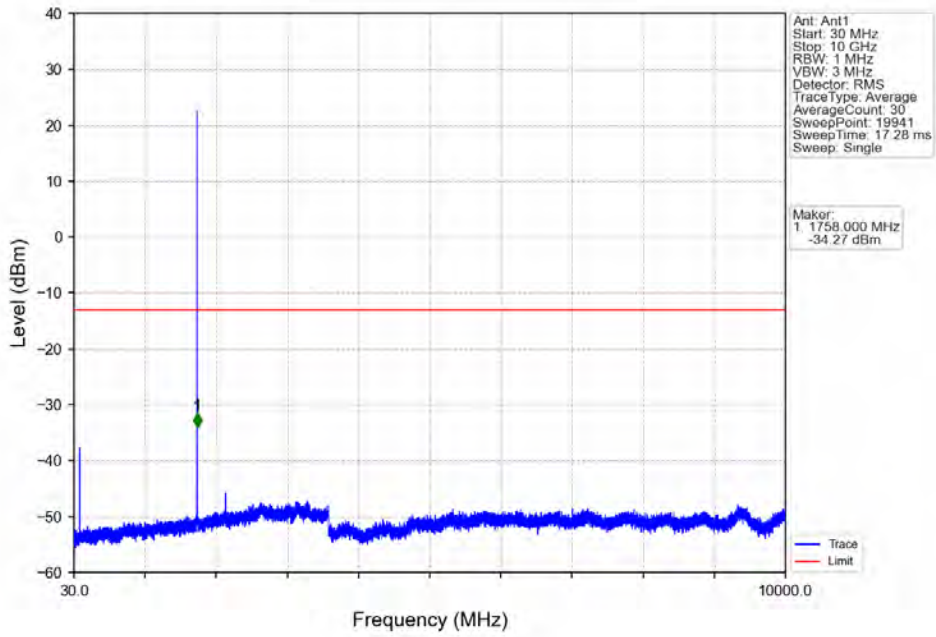
Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



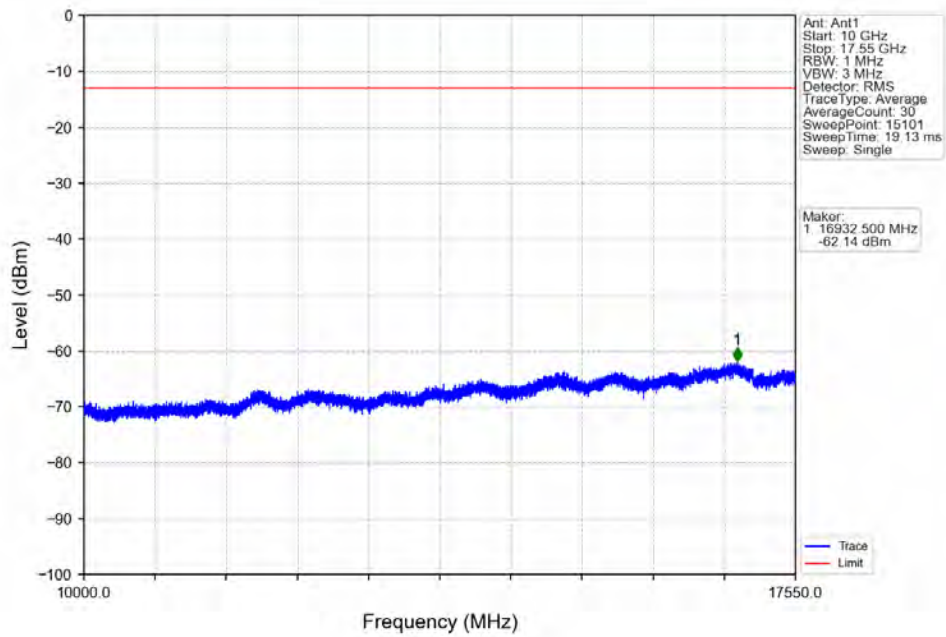
Band4\_1.4MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



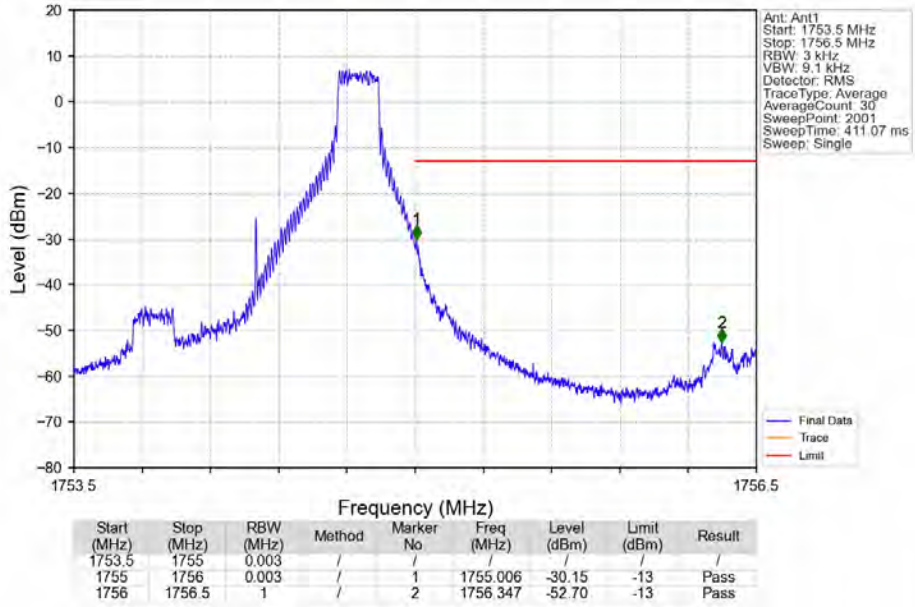
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTV



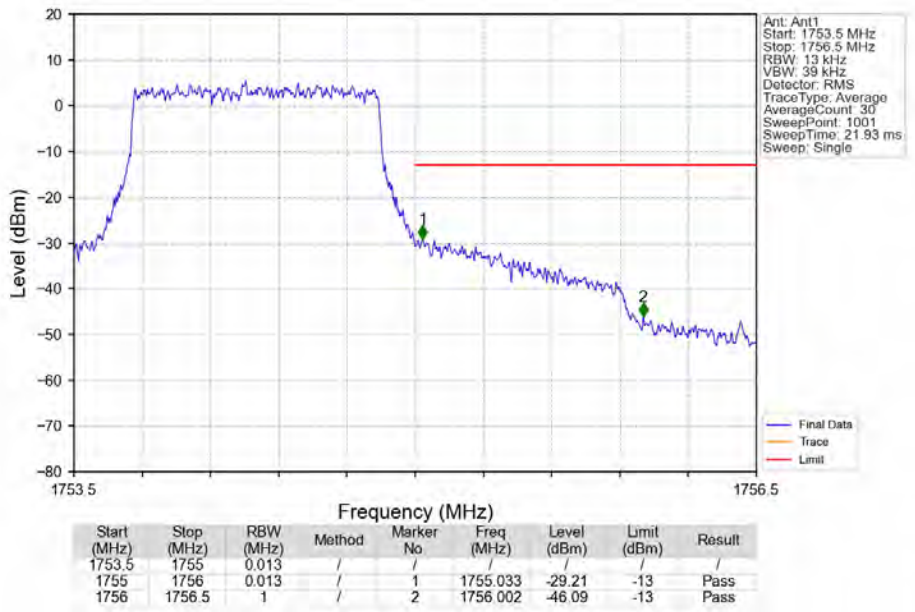
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_0\_NTV



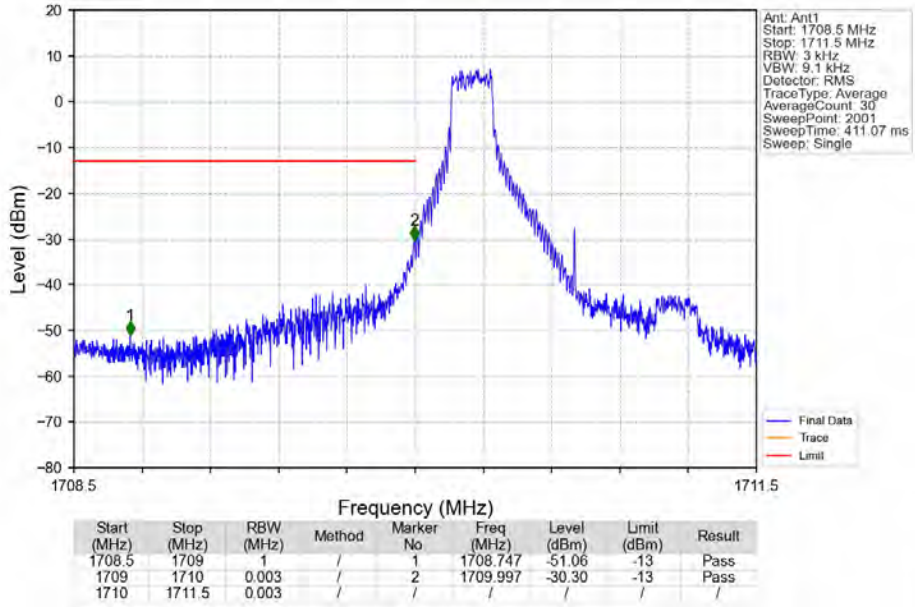
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_1\_5\_NTV



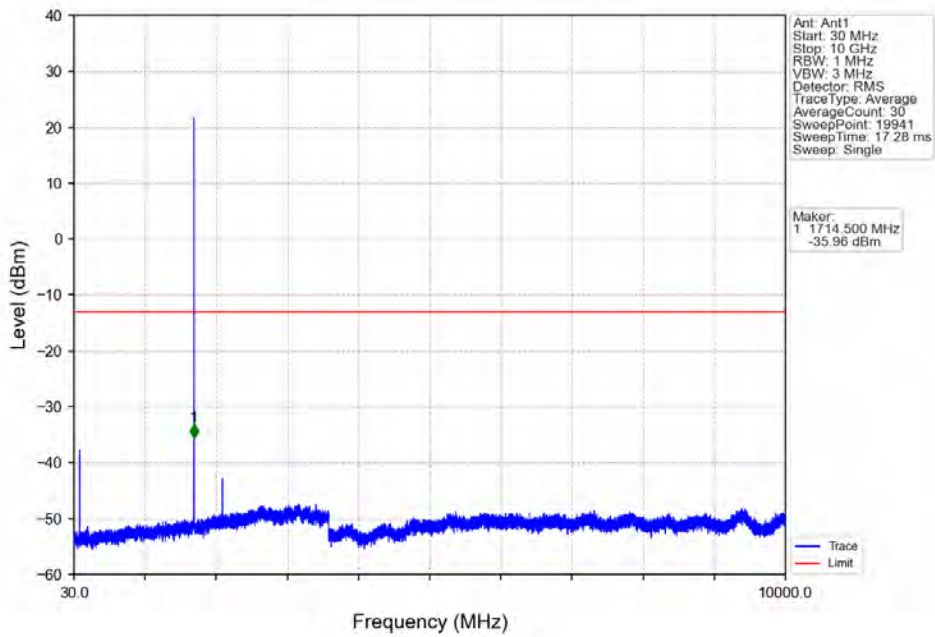
Band4\_1.4MHz\_QPSK\_HCH\_1754.3MHz\_RB\_6\_0\_NTV



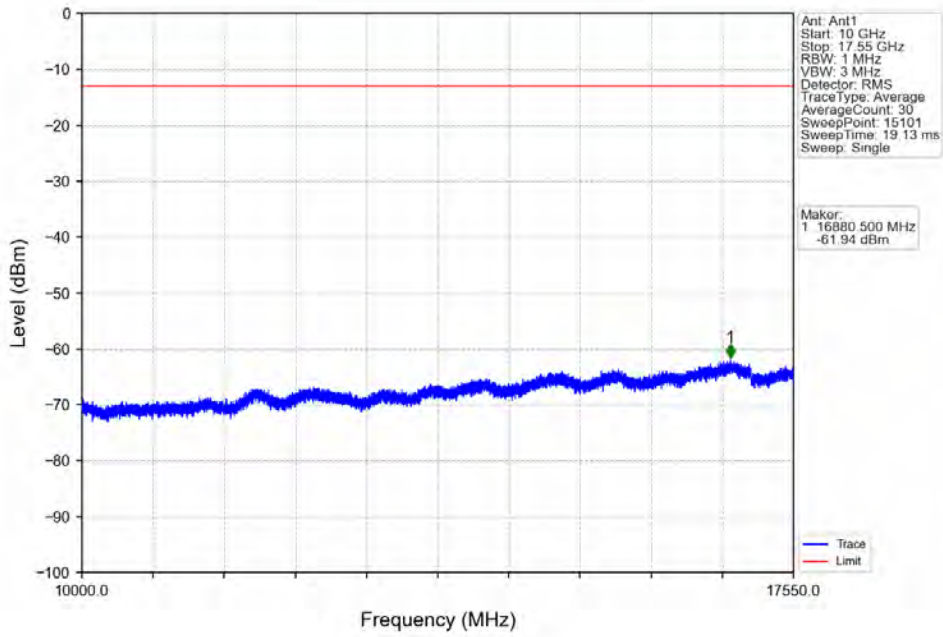
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



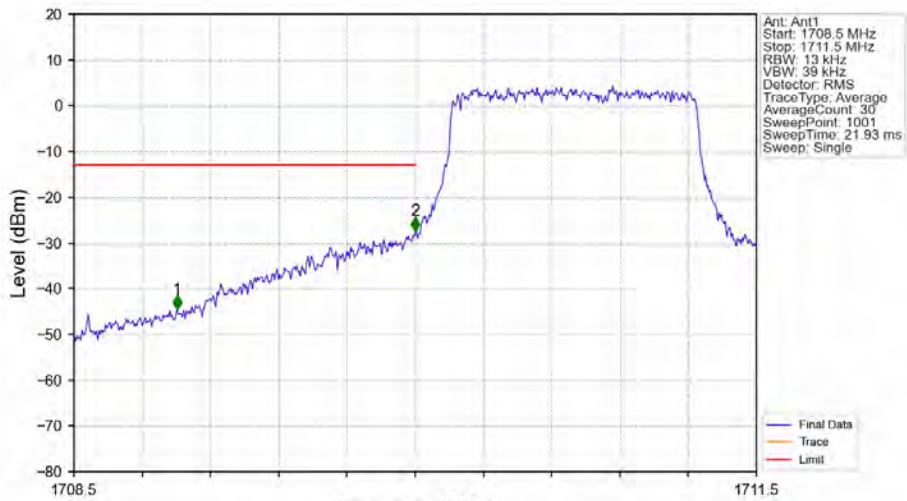
Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV

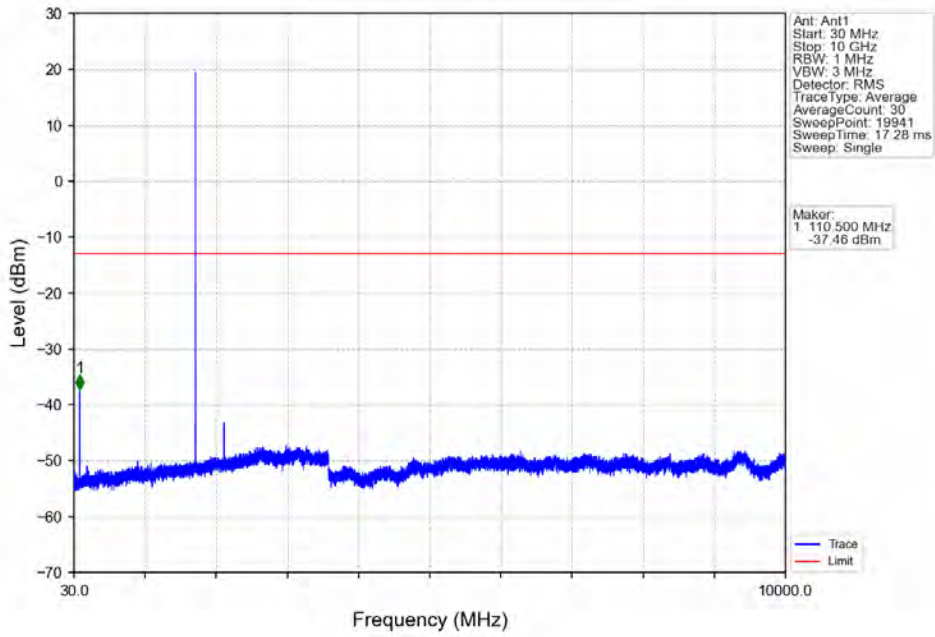


Band4\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

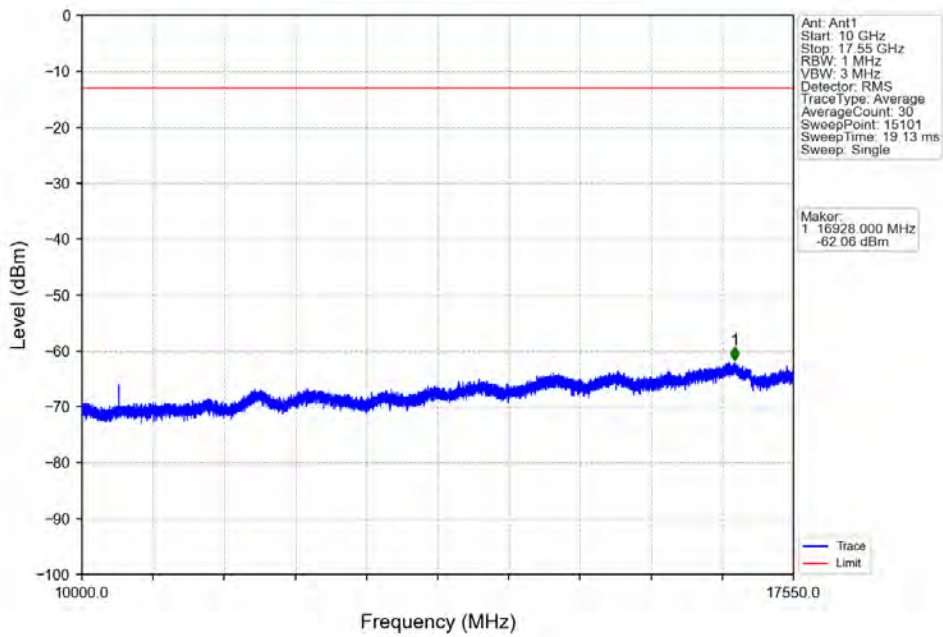


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.953	-44.51	-13	Pass
1709	1710	0.013	/	2	1710.000	-27.38	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

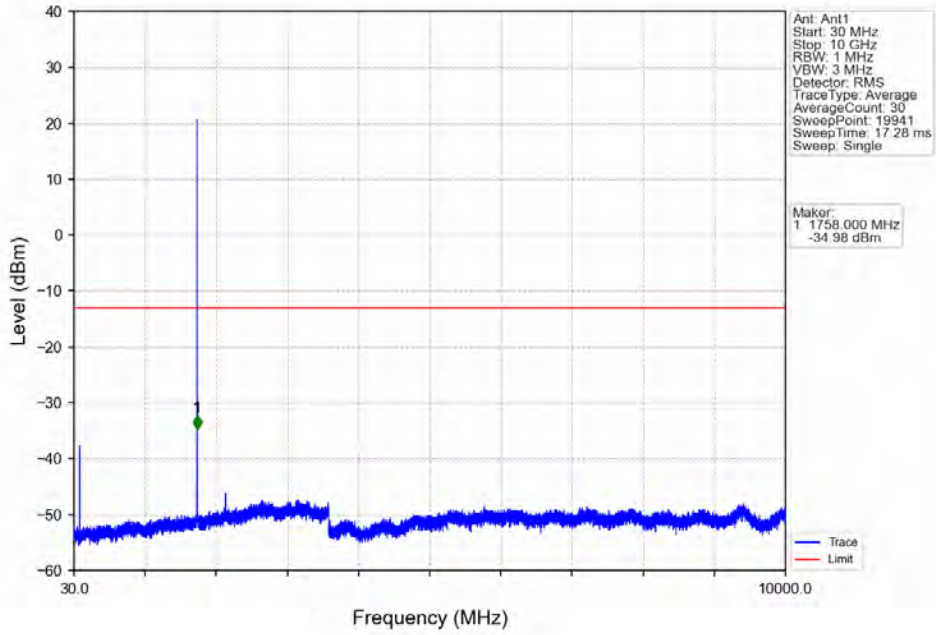


Band4\_1.4MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV

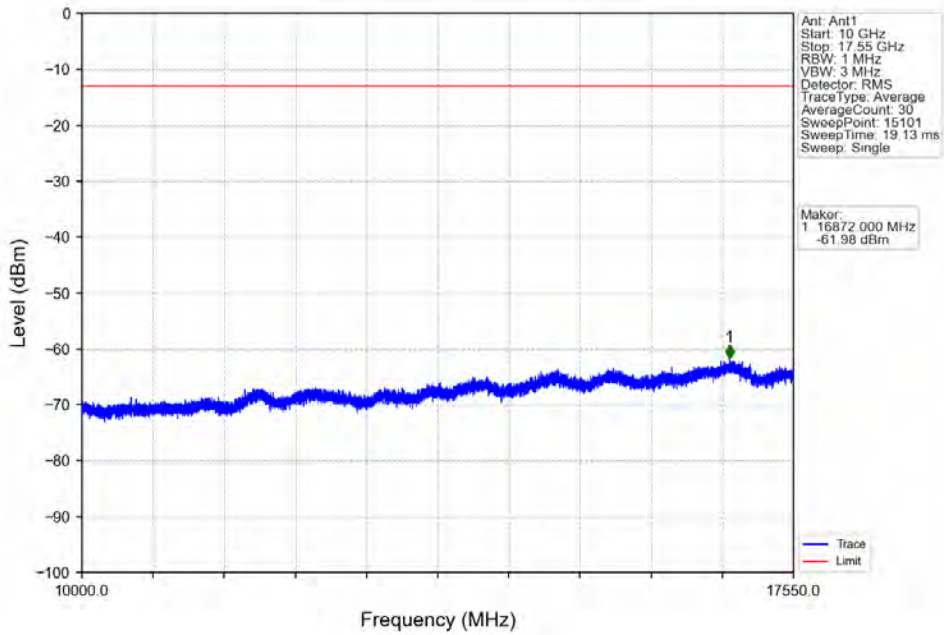




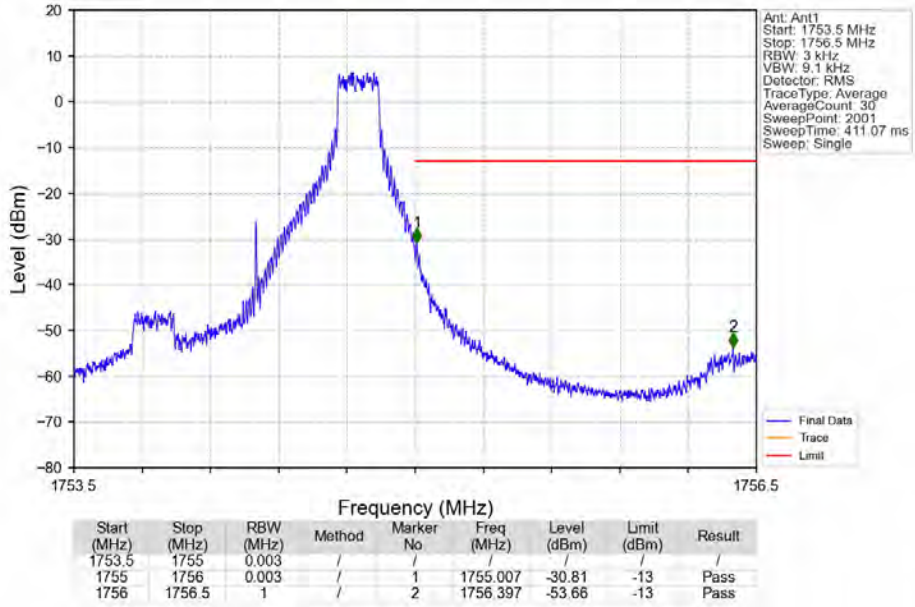
Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



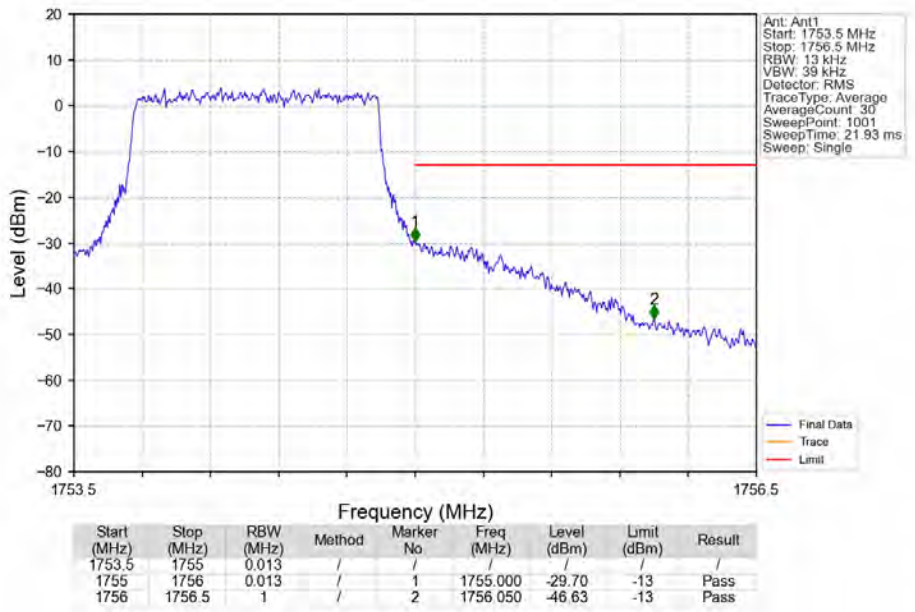
Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_1\_0\_NTNV



Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_1\_5\_NTNV



Band4\_1.4MHz\_16QAM\_HCH\_1754.3MHz\_RB\_6\_0\_NTNV

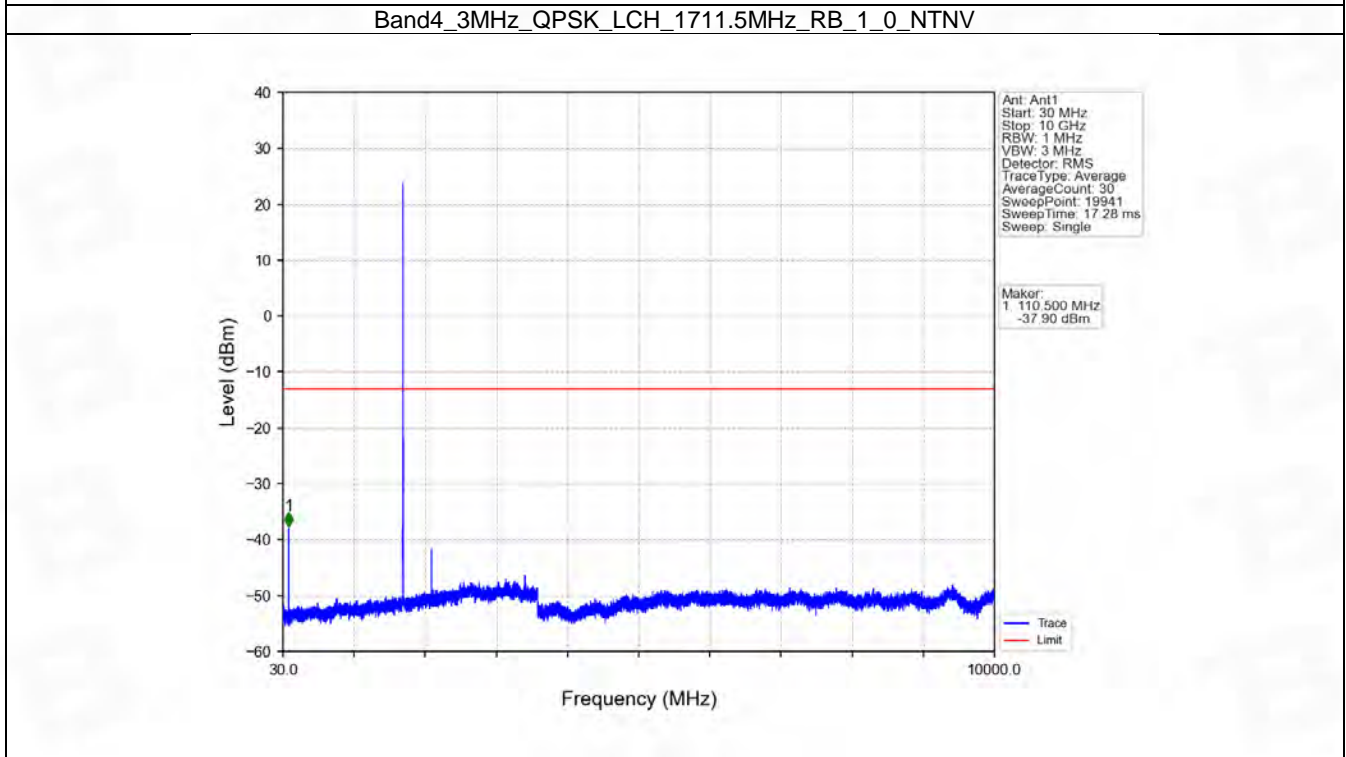
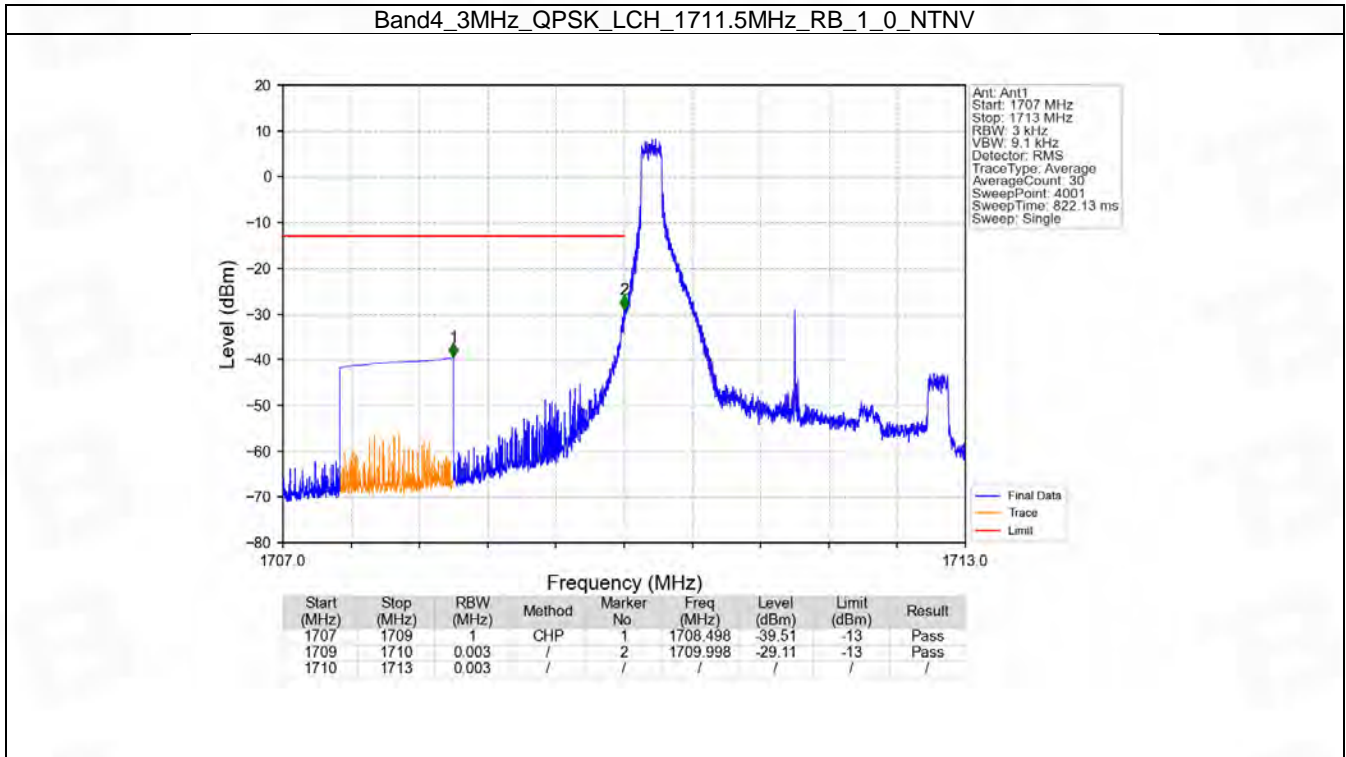


## 6.2 B4\_3MHz

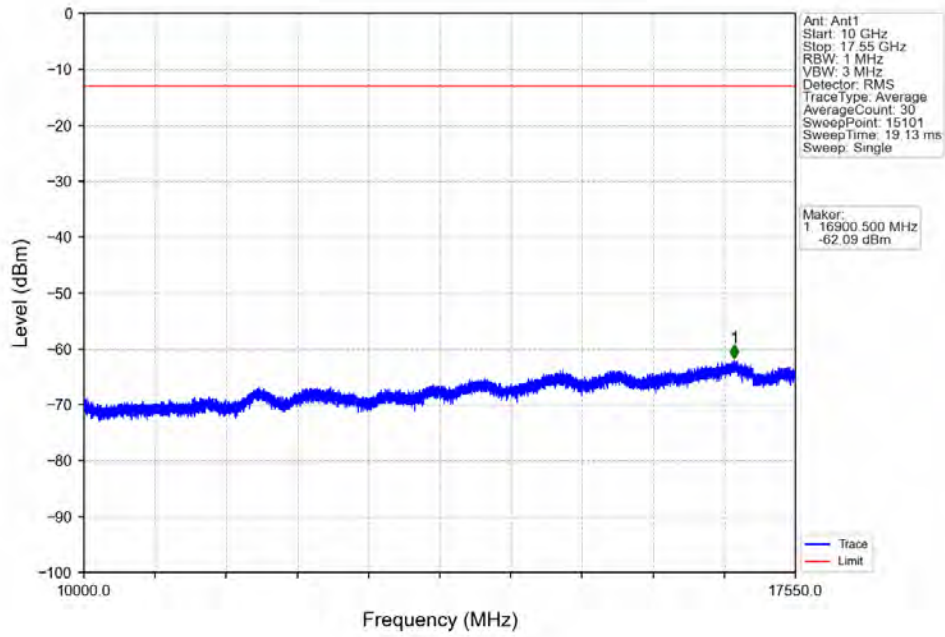
### 6.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	1711.5	1	0	Refer To Test Graph		Pass	
		15	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1753.5	1	0	Refer To Test Graph		Pass
				14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass	
16QAM	1711.5	1	0	Refer To Test Graph		Pass	
		15	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1753.5	1	0	Refer To Test Graph		Pass
				14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass	

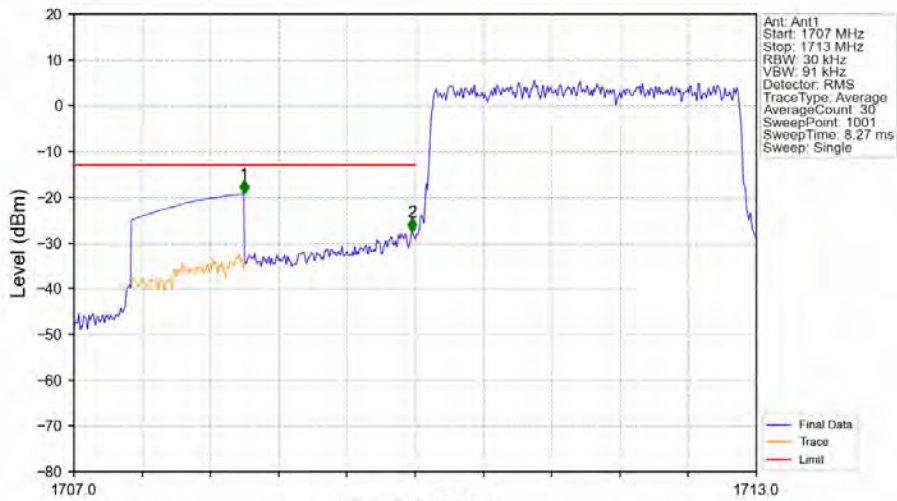
## 6.2.2 Test Graph



Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

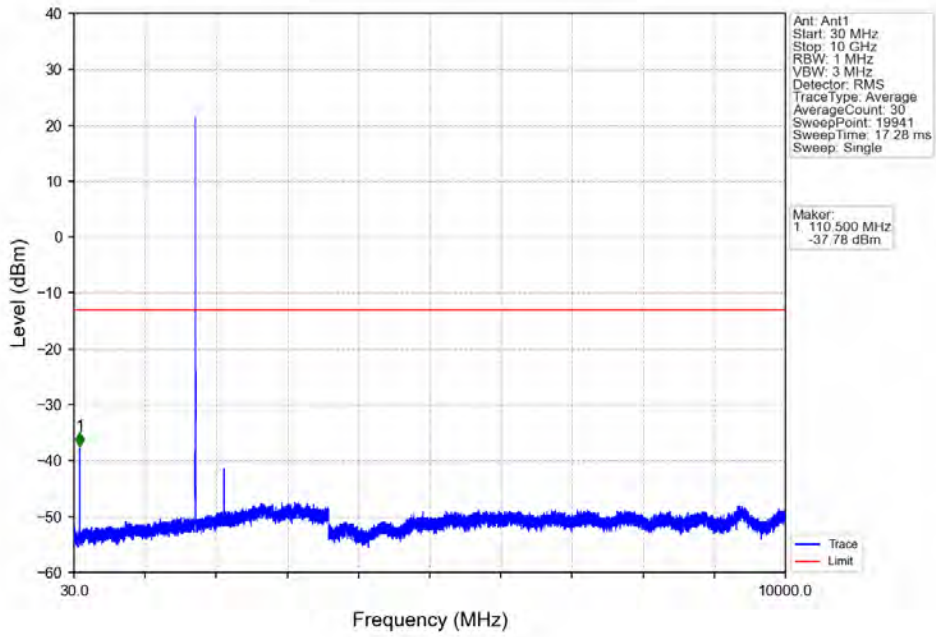


Band4\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

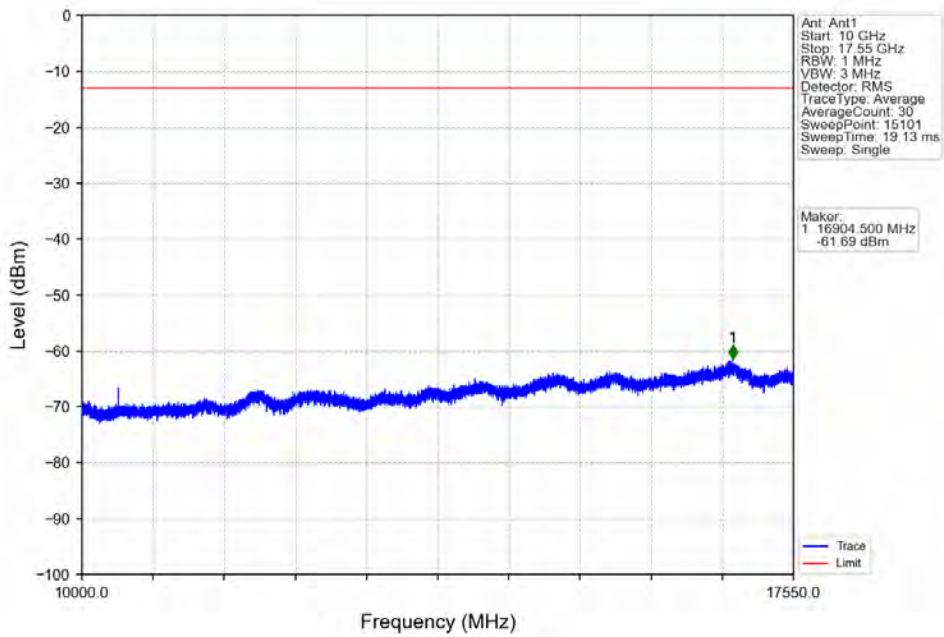


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-19.36	-13	Pass
1709	1710	0.03	/	2	1709.970	-27.57	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

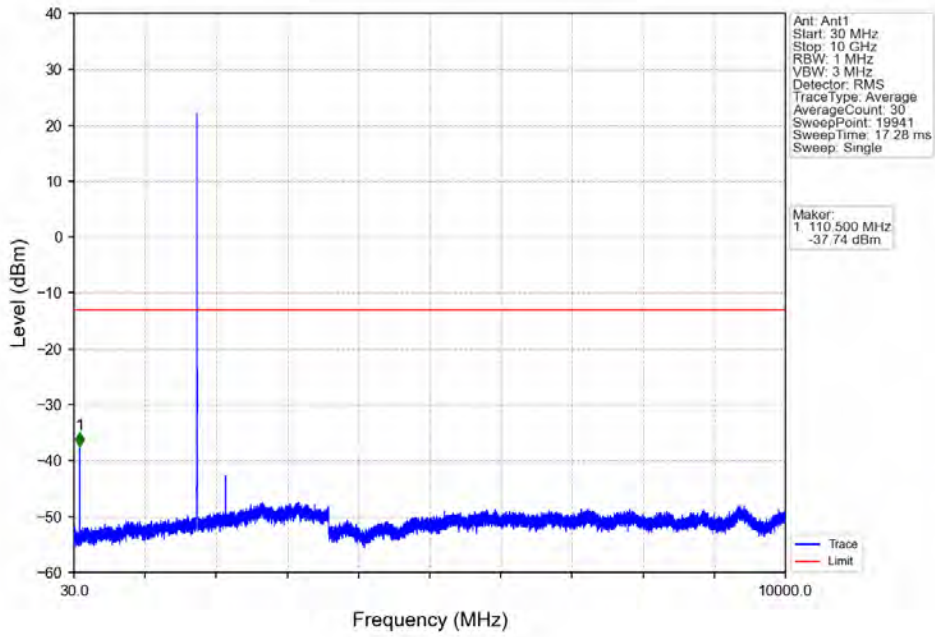
Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



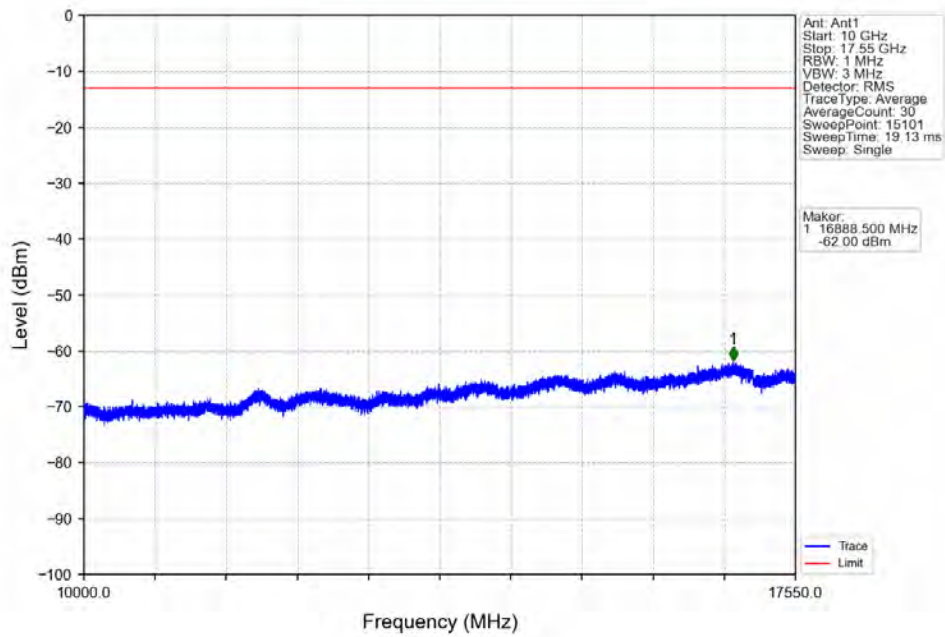
Band4\_3MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



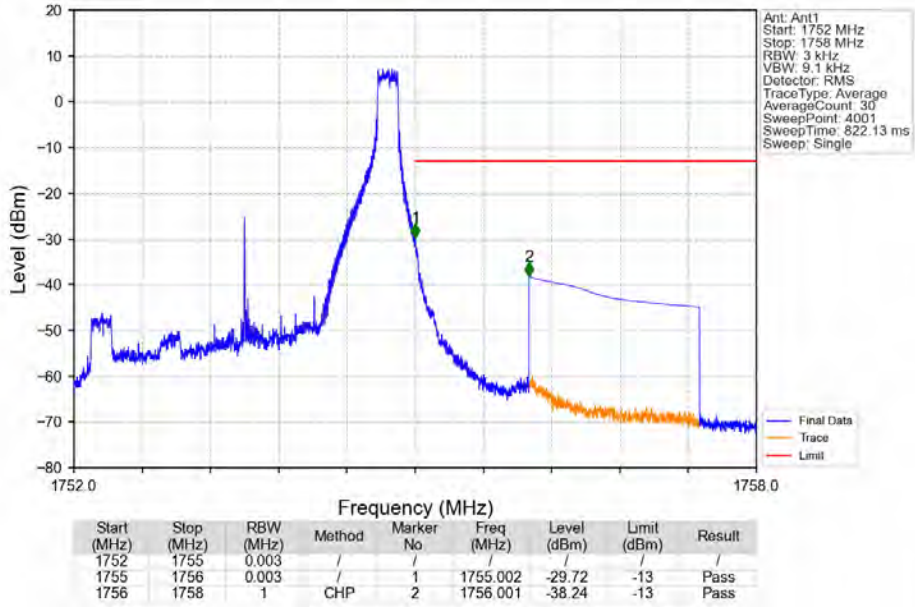
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



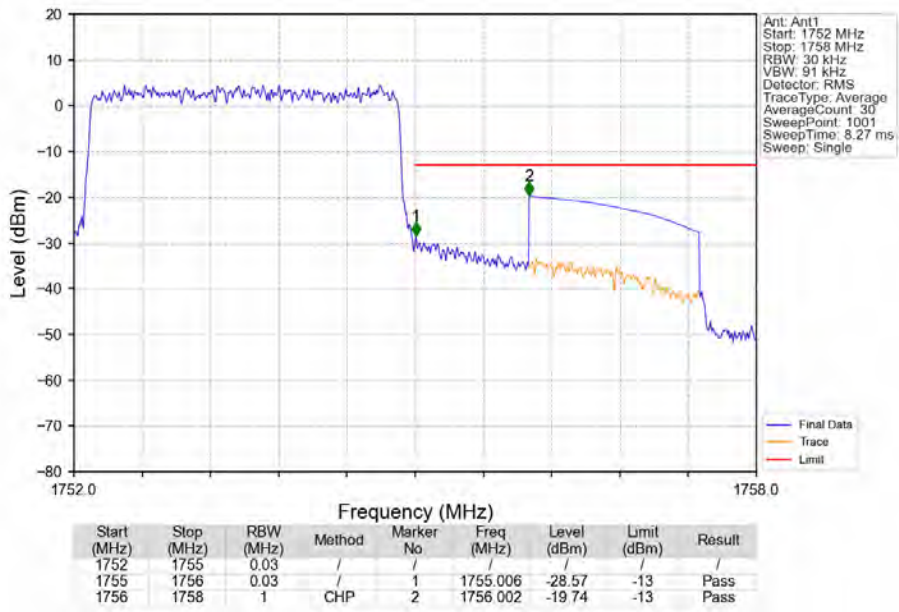
Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_1\_14\_NTNV

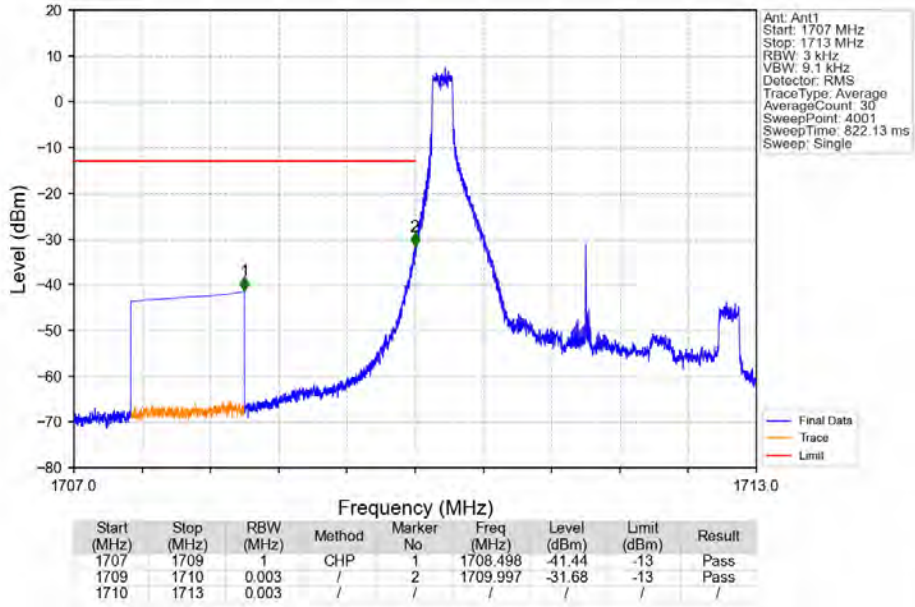


Band4\_3MHz\_QPSK\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV

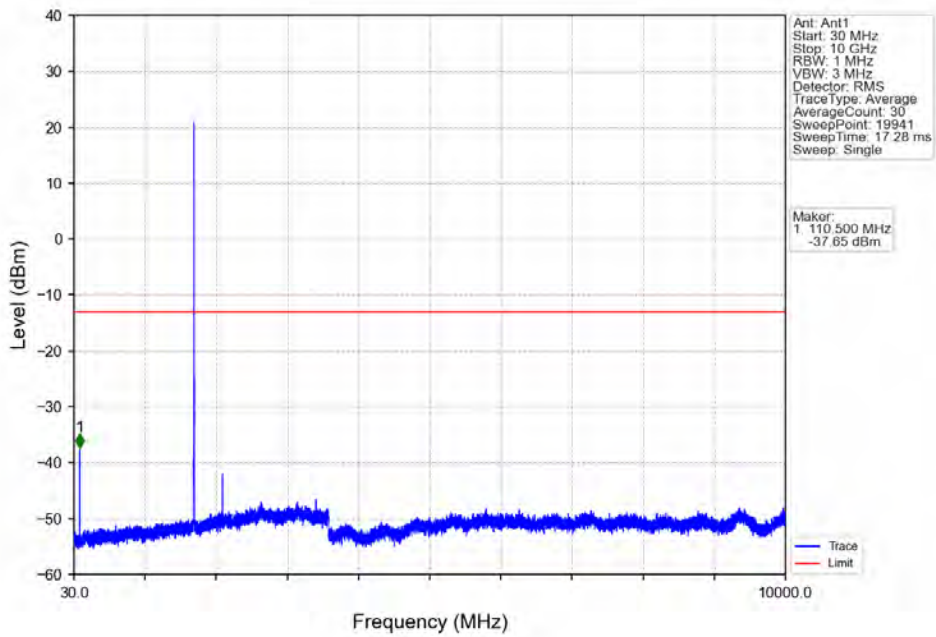




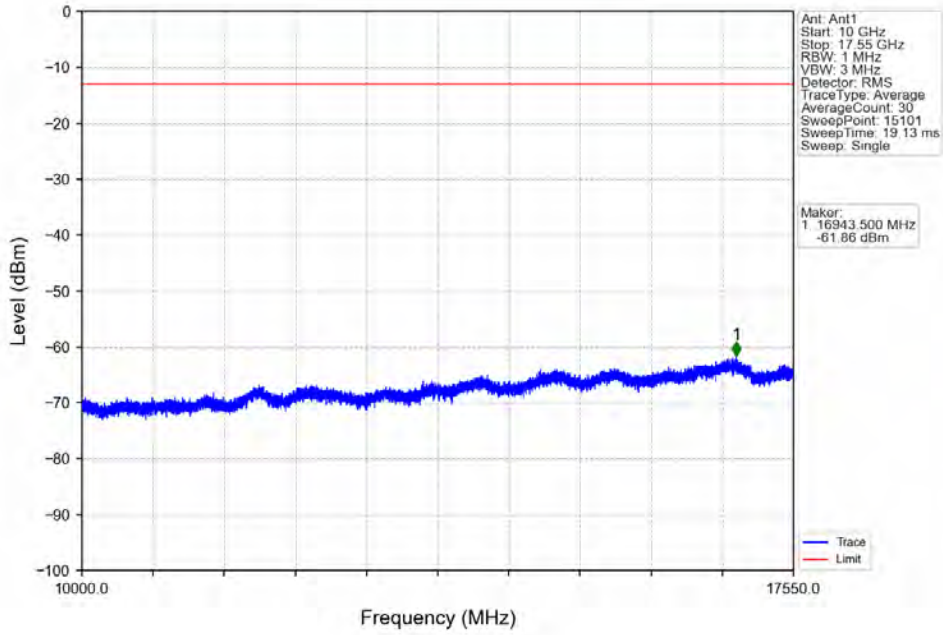
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



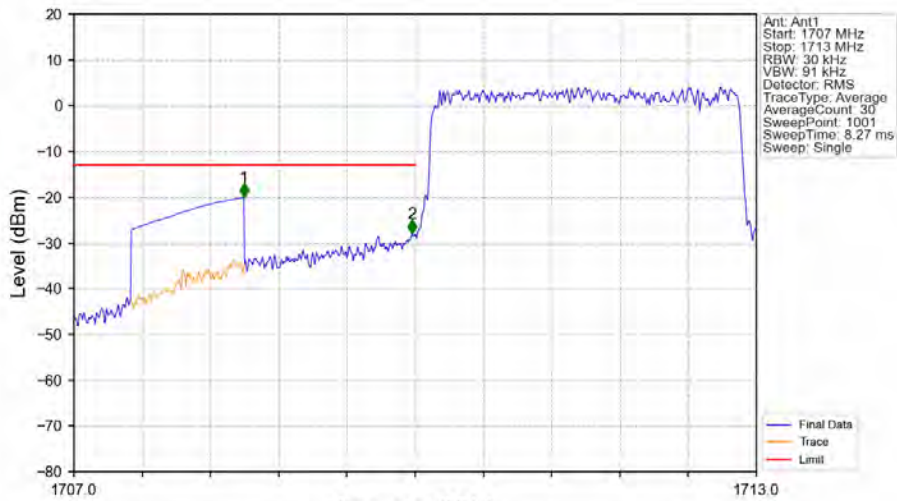
Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

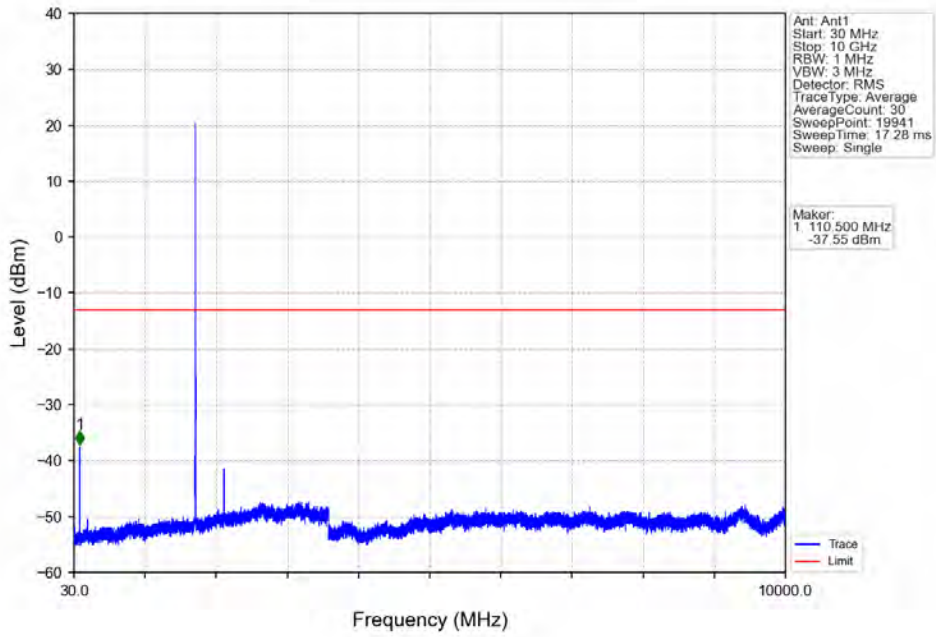


Band4\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

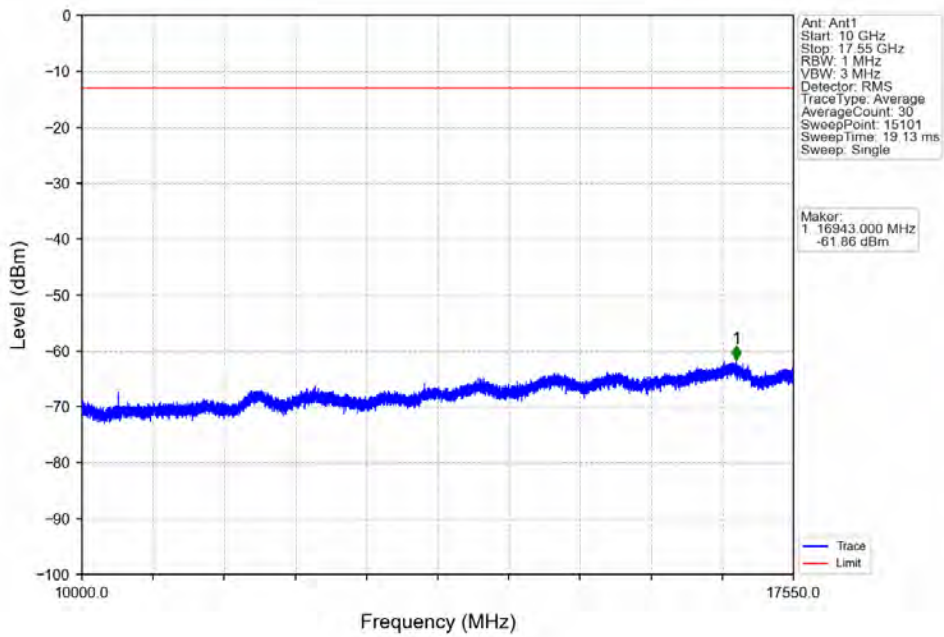


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-20.10	-13	Pass
1709	1710	0.03	/	2	1709.970	-28.00	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

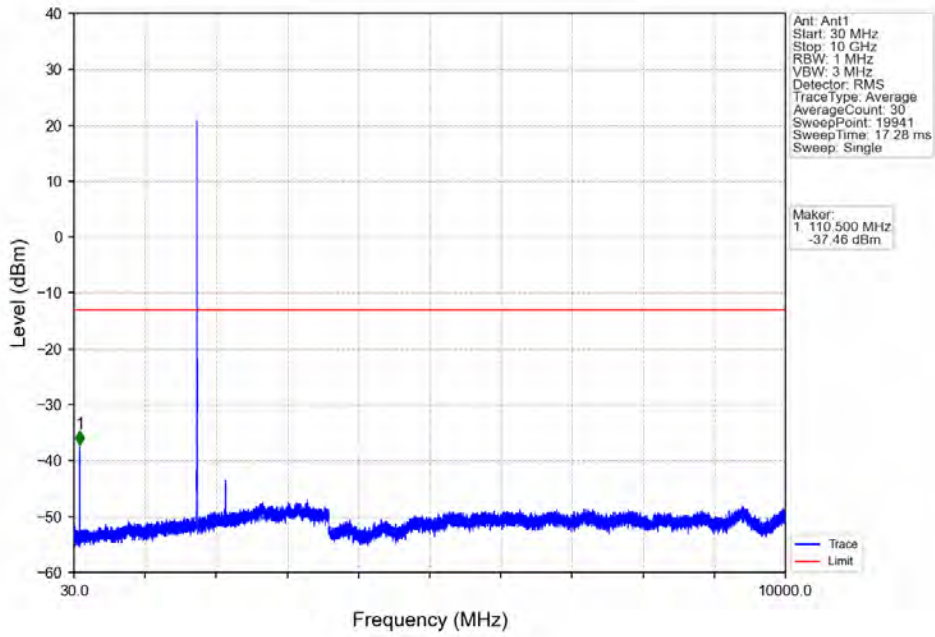
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



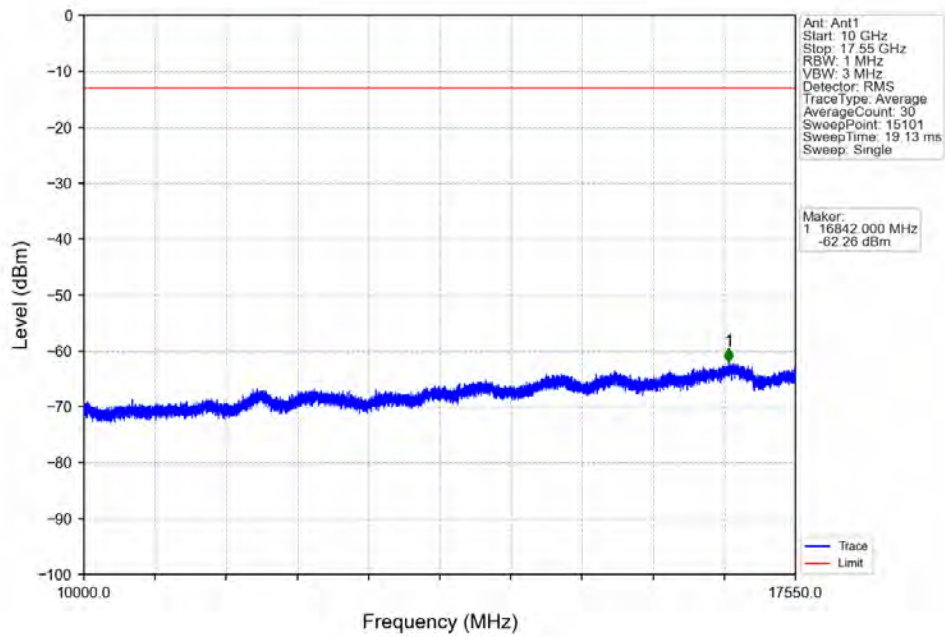
Band4\_3MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



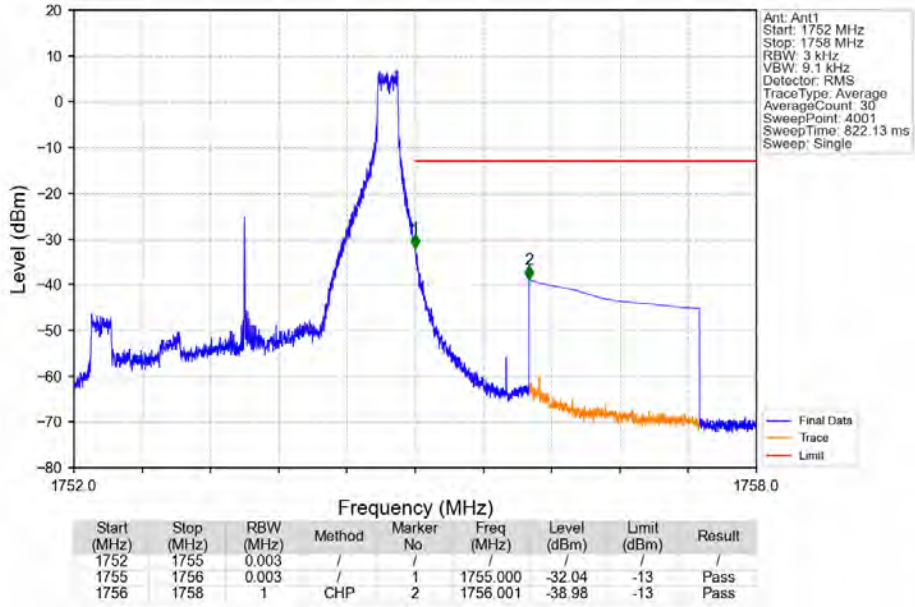
Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



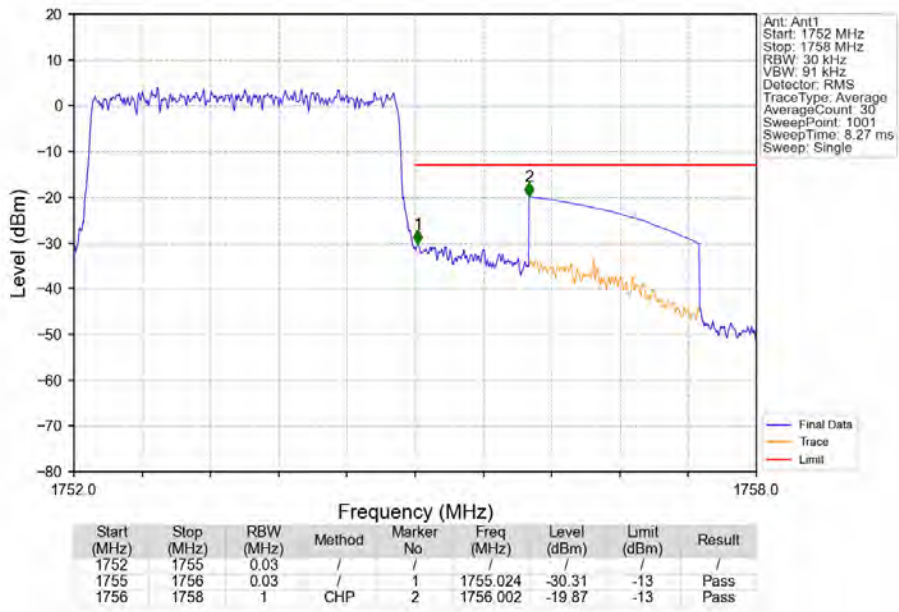
Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_0\_NTNV



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_1\_14\_NTNV



Band4\_3MHz\_16QAM\_HCH\_1753.5MHz\_RB\_15\_0\_NTNV

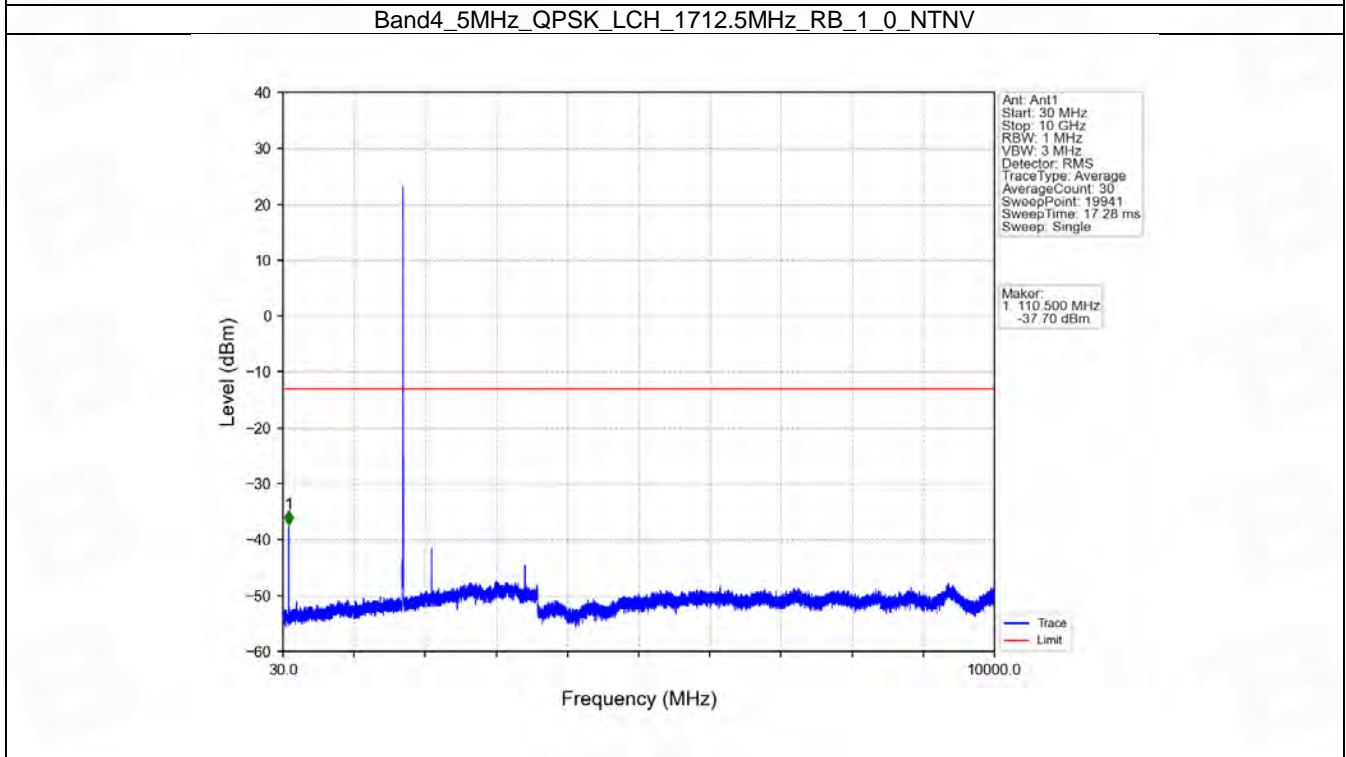
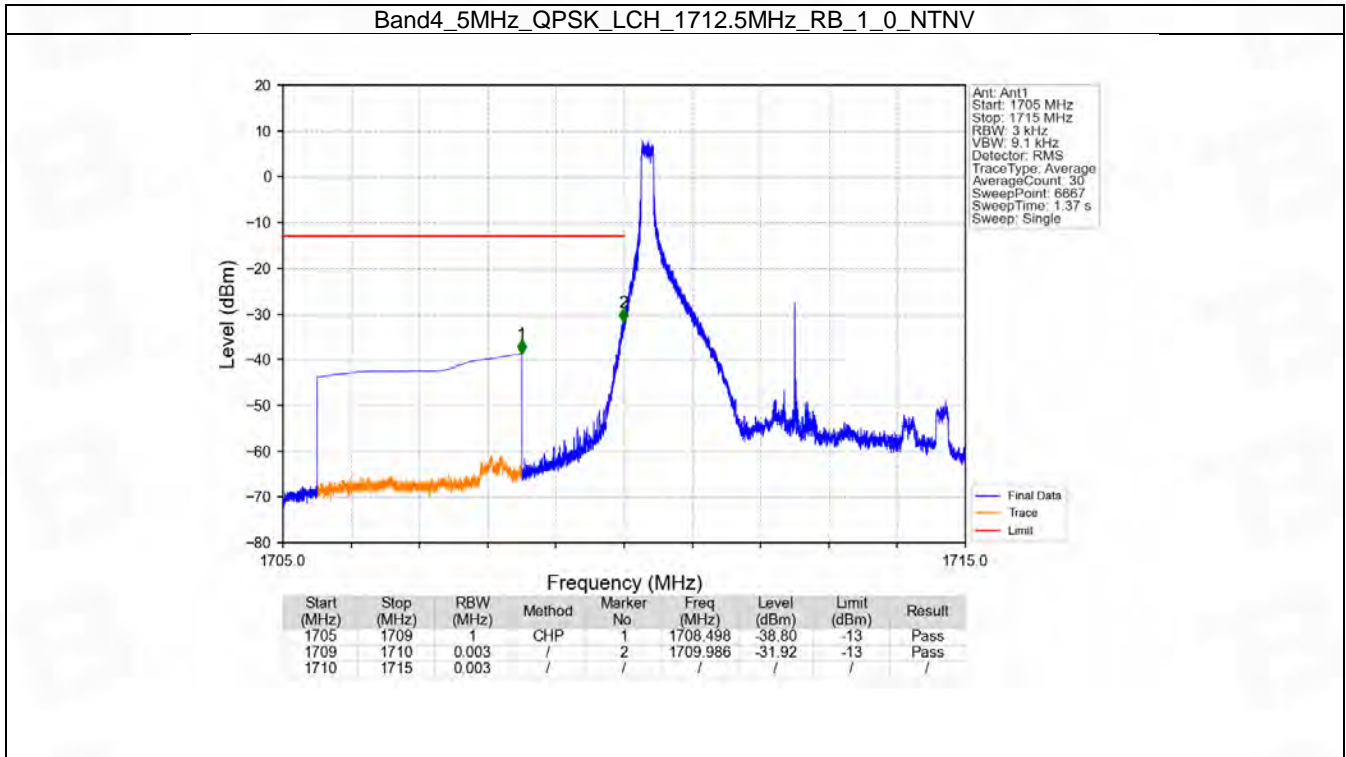


## 6.3 B4\_5MHz

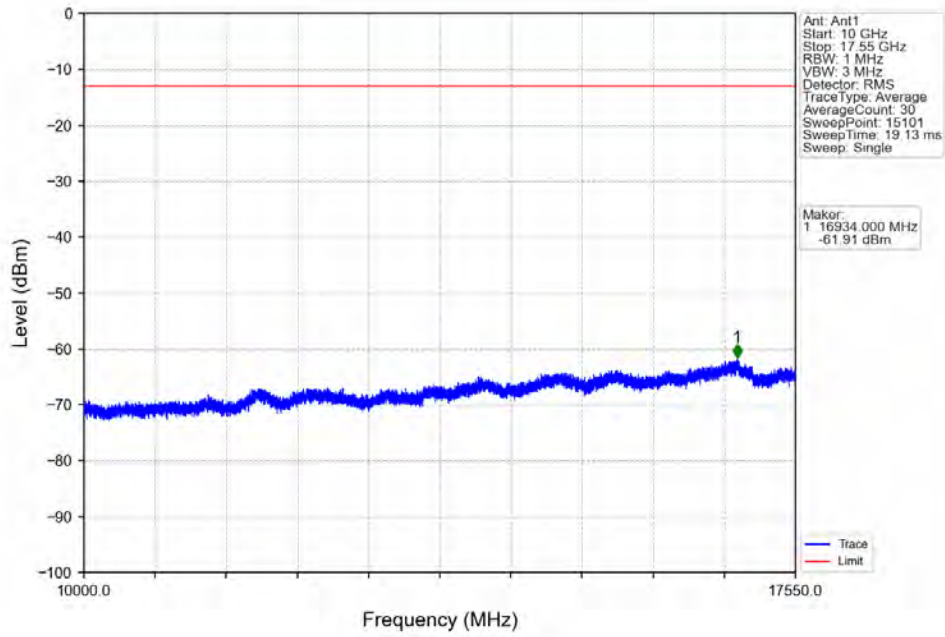
### 6.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	1712.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	1752.5	1732.5	1	0	Refer To Test Graph		Pass
			1	0	Refer To Test Graph		Pass
		1752.5	1	0	Refer To Test Graph		Pass
			24		Refer To Test Graph		Pass
16QAM	1712.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	1752.5	1732.5	1	0	Refer To Test Graph		Pass
			1	0	Refer To Test Graph		Pass
		1752.5	1	0	Refer To Test Graph		Pass
			24		Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass	

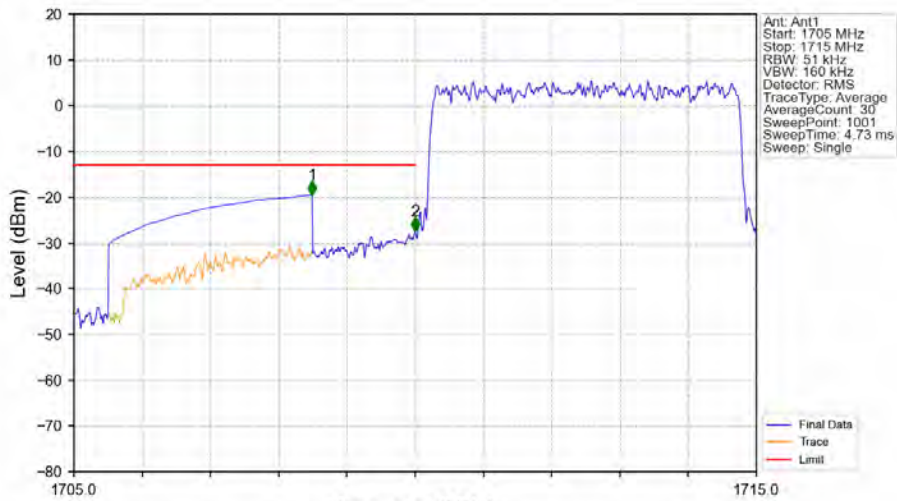
### 6.3.2 Test Graph



Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



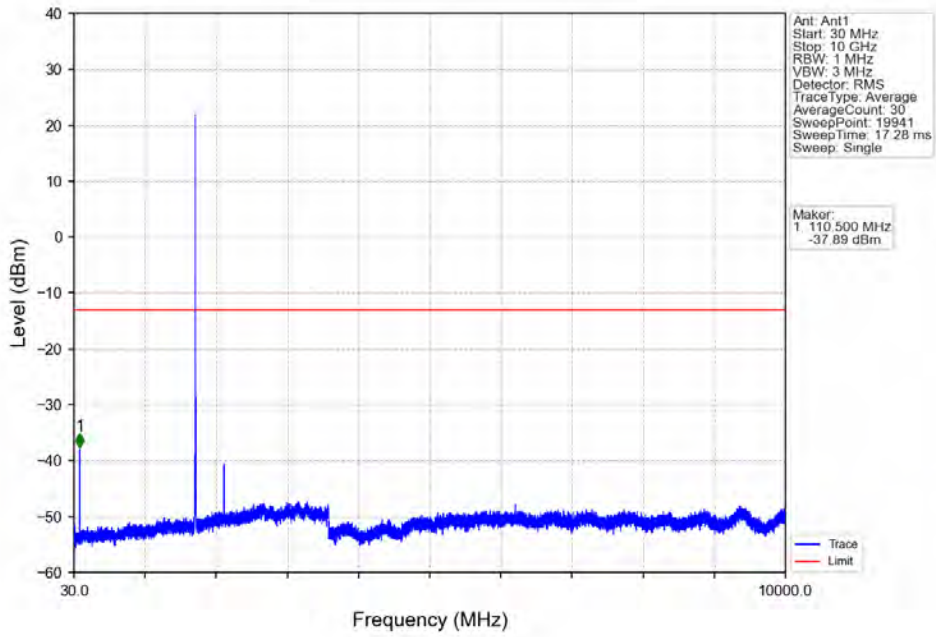
Band4\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



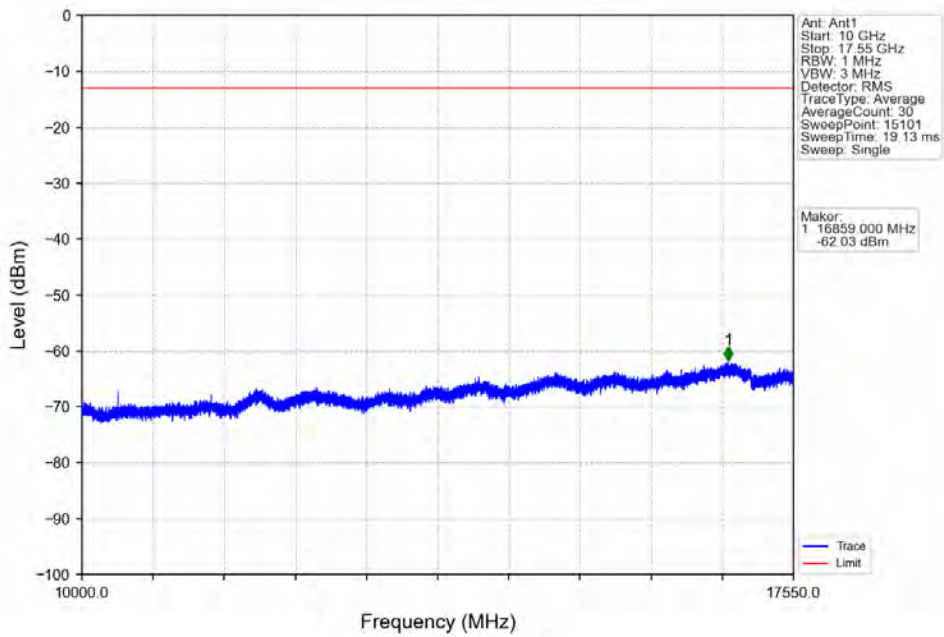
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-19.52	-13	Pass
1709	1710	0.051	/	2	1710.000	-27.47	-13	Pass
1710	1715	0.051	/	/	/	/	/	/



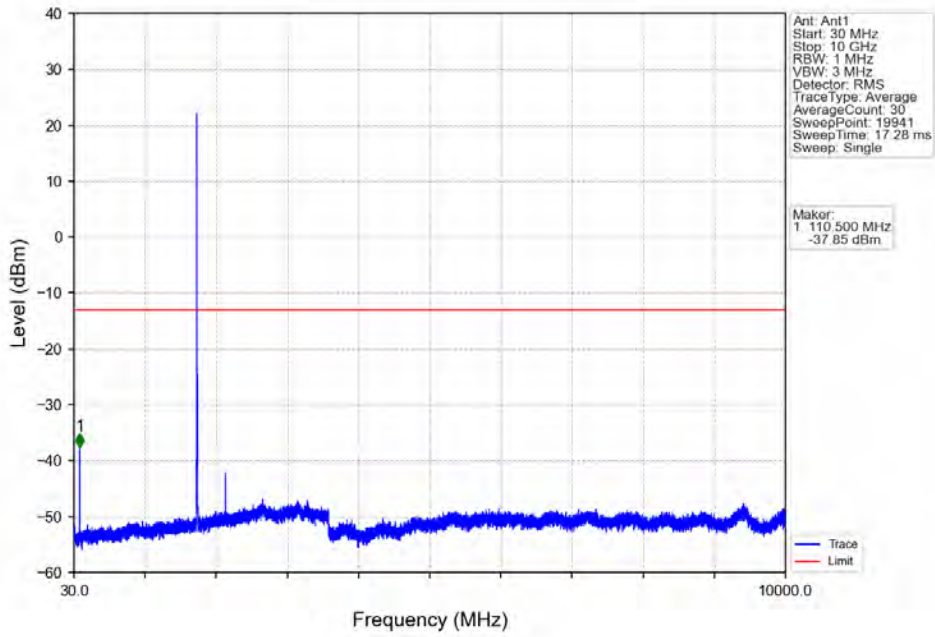
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



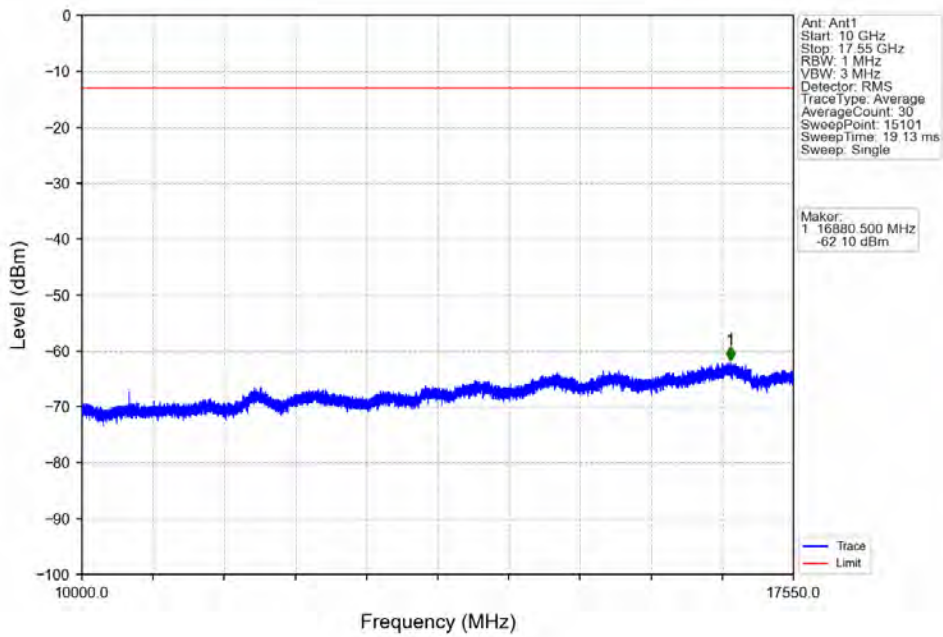
Band4\_5MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



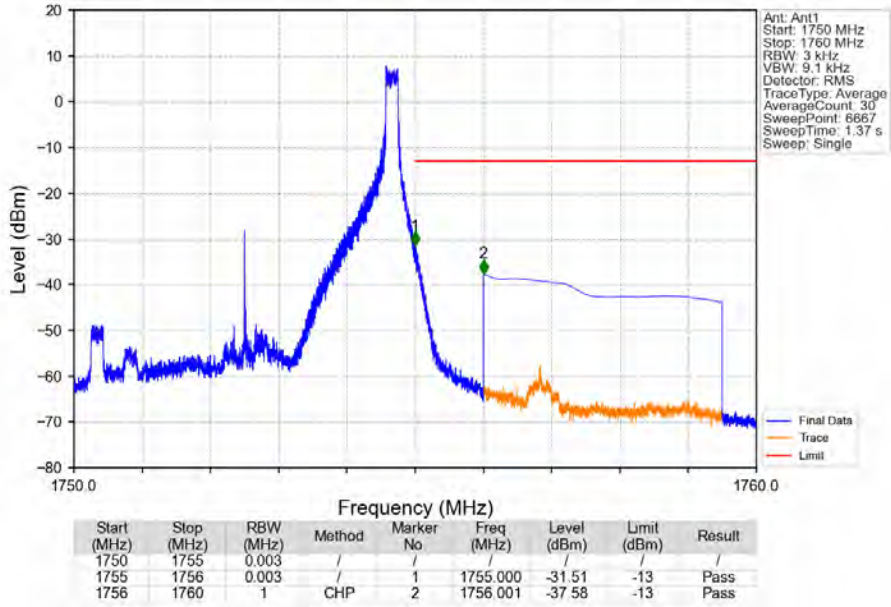
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



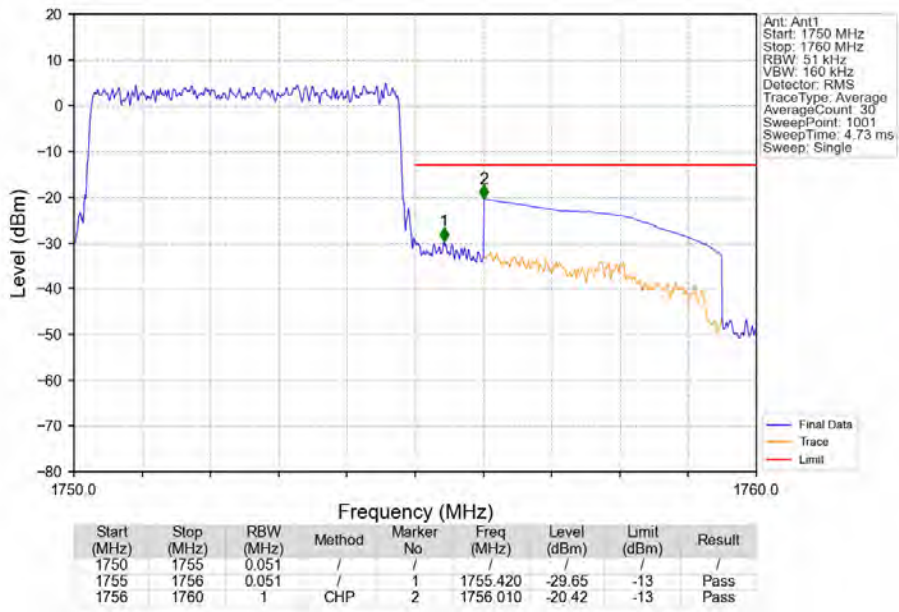
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



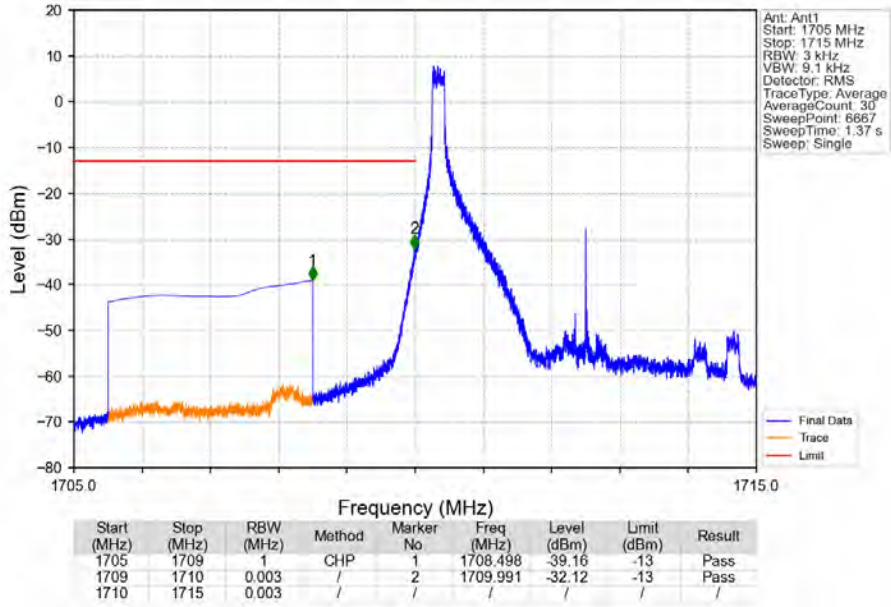
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV



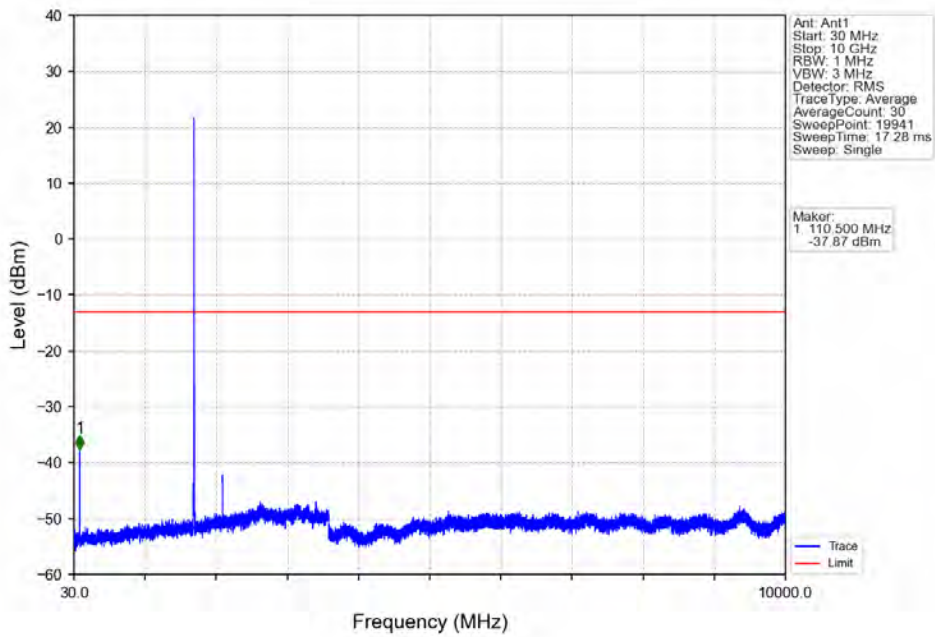
Band4\_5MHz\_QPSK\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



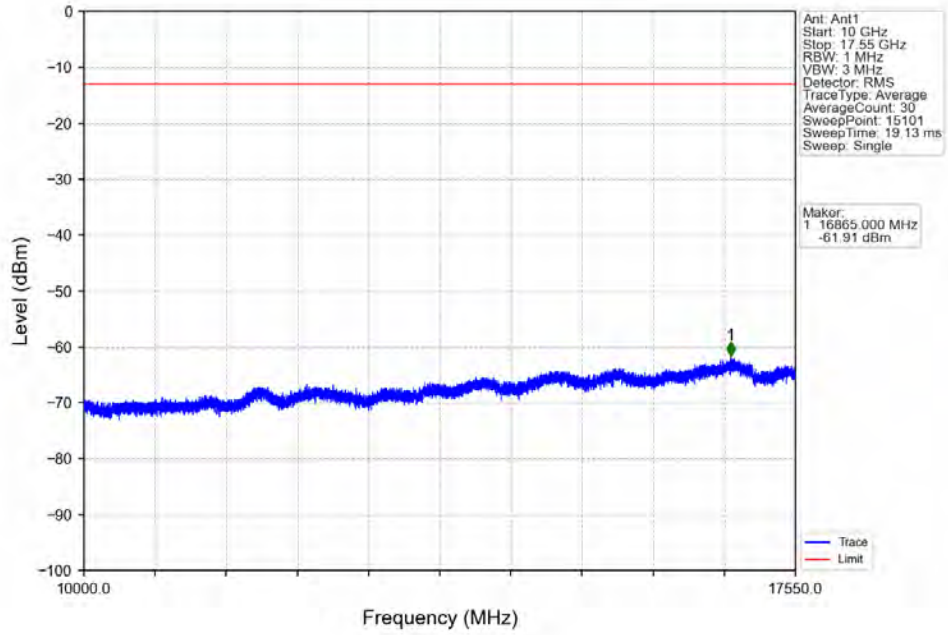
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



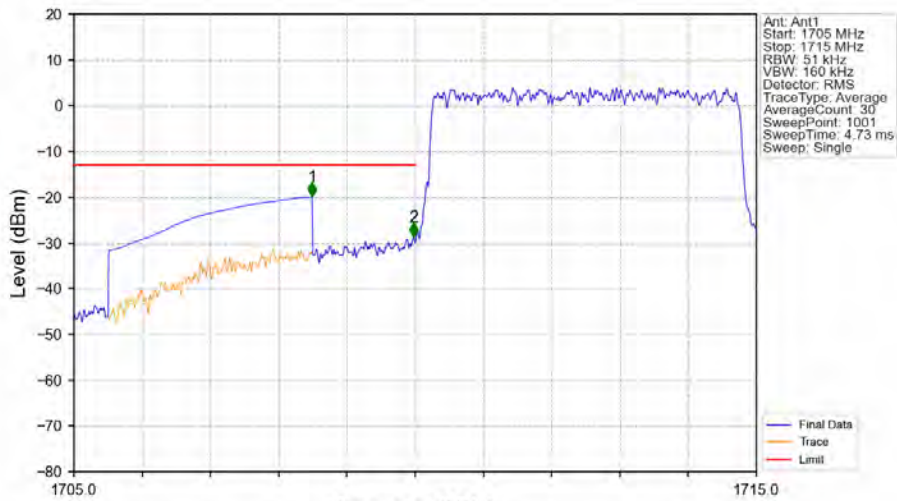
Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_1\_0\_NTNV

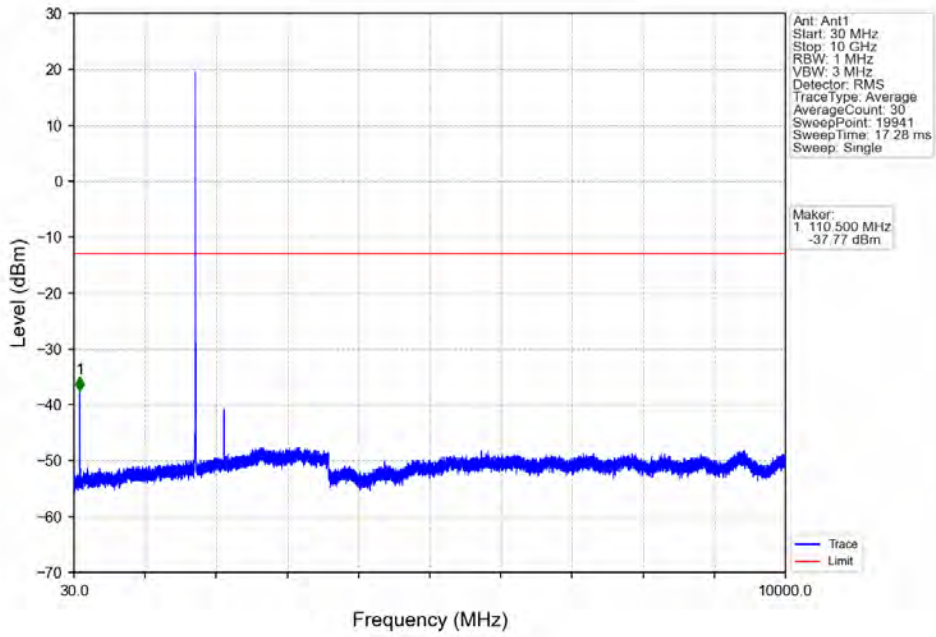


Band4\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

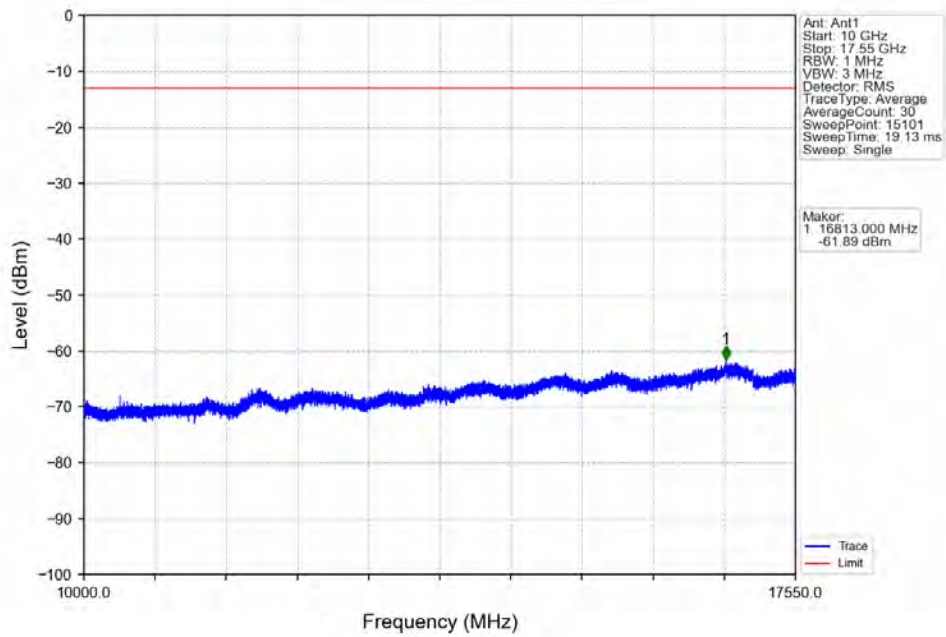


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-19.92	-13	Pass
1709	1710	0.051	/	2	1709.980	-28.68	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

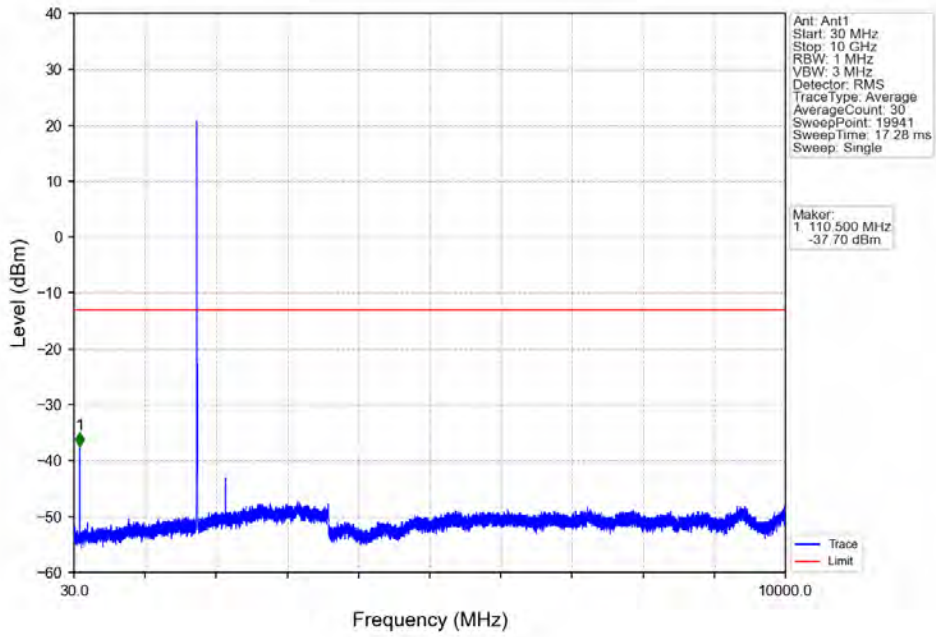
Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



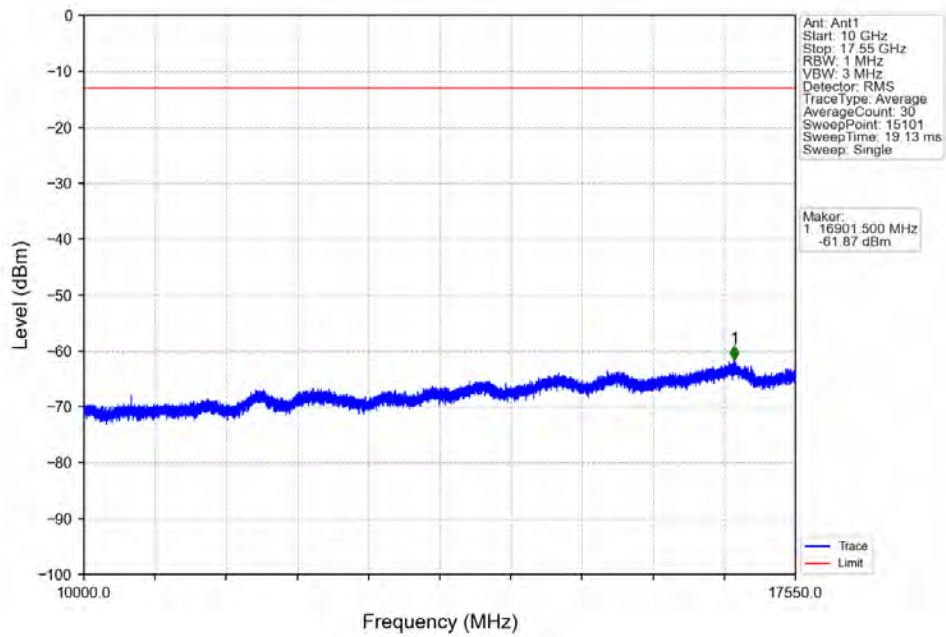
Band4\_5MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



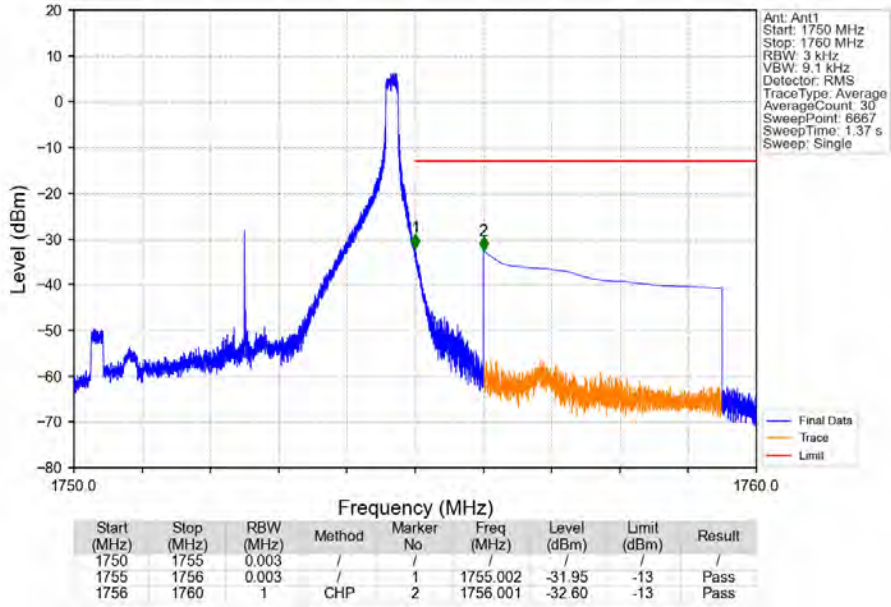
Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



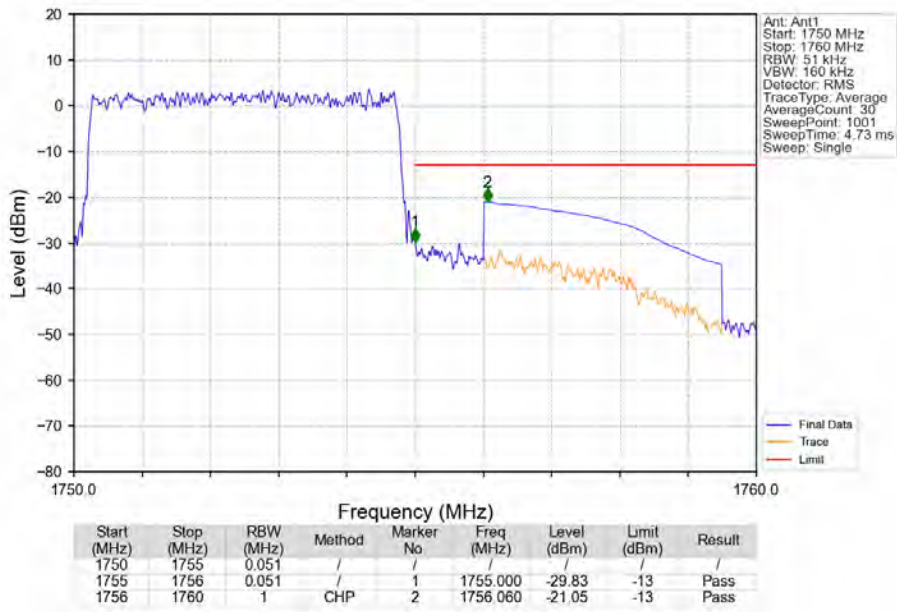
Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_0\_NTNV



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_1\_24\_NTNV



Band4\_5MHz\_16QAM\_HCH\_1752.5MHz\_RB\_25\_0\_NTNV



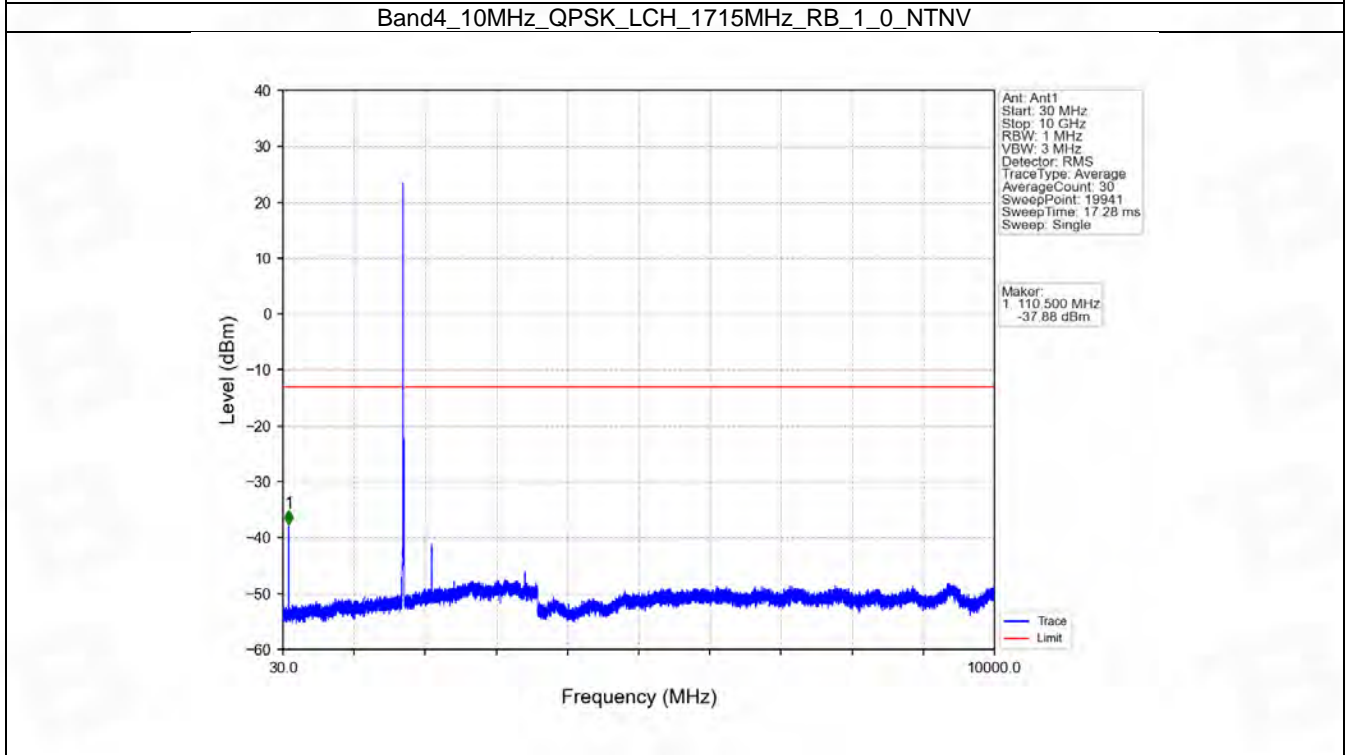
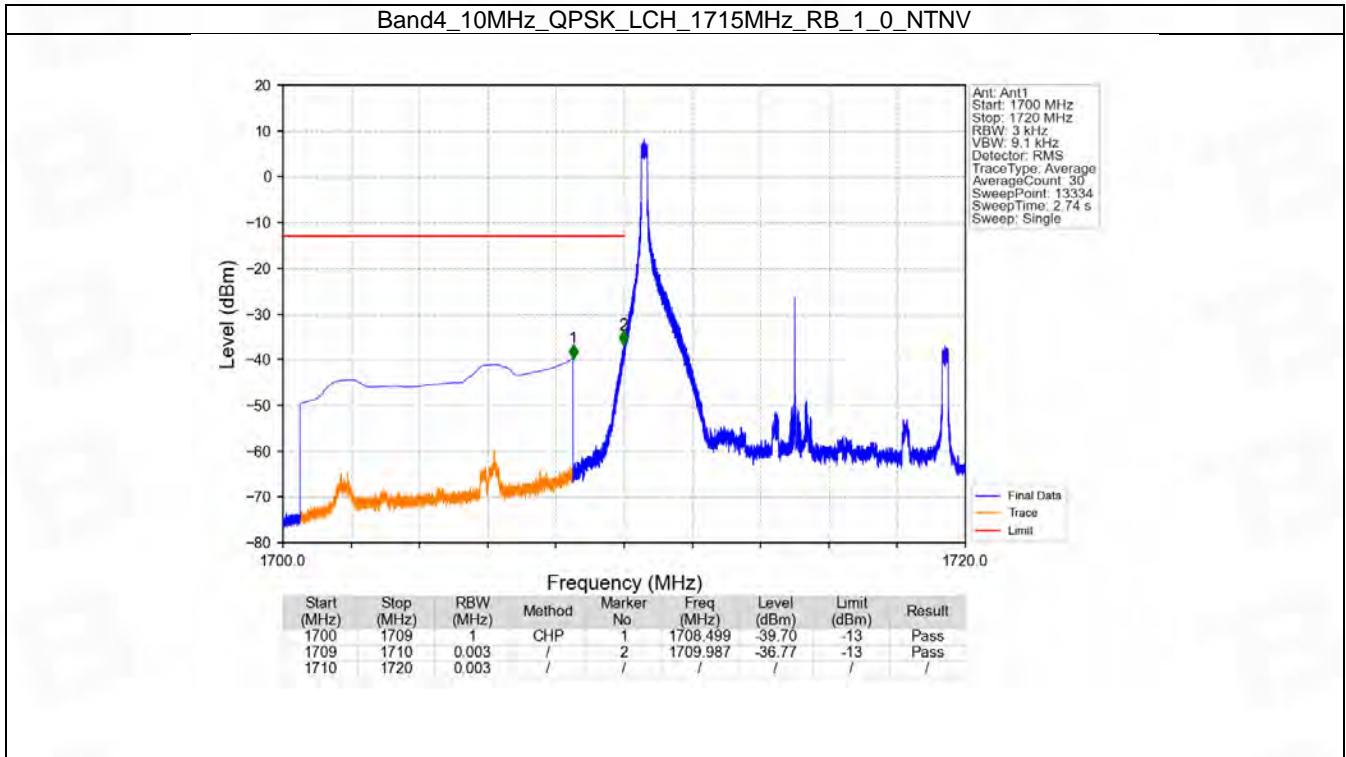


## 6.4 B4\_10MHz

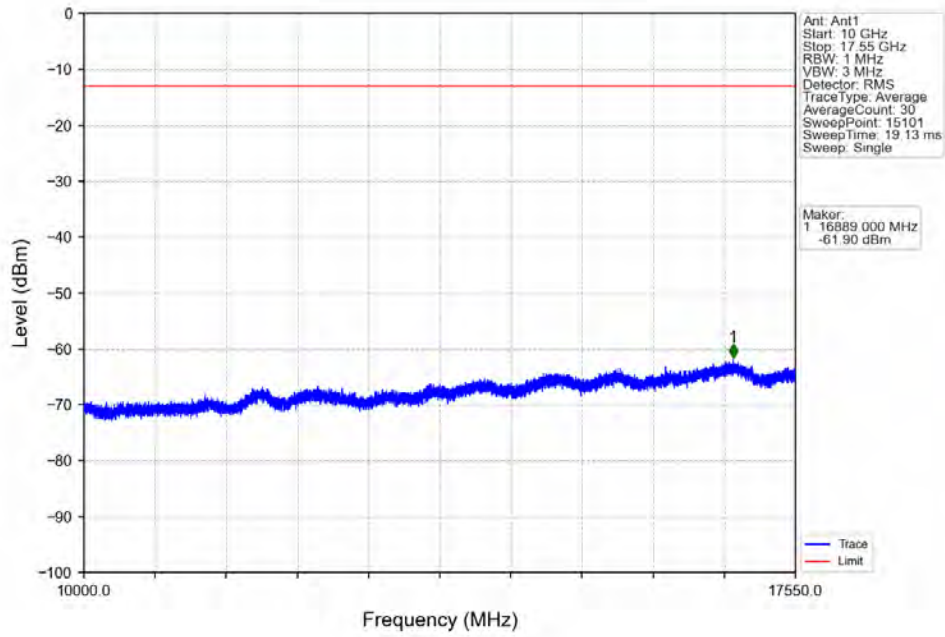
### 6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	1715	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1750	1	0	Refer To Test Graph		Pass
				49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass	
16QAM	1715	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	1732.5	1	0	Refer To Test Graph		Pass	
		1750	1	0	Refer To Test Graph		Pass
				49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass	

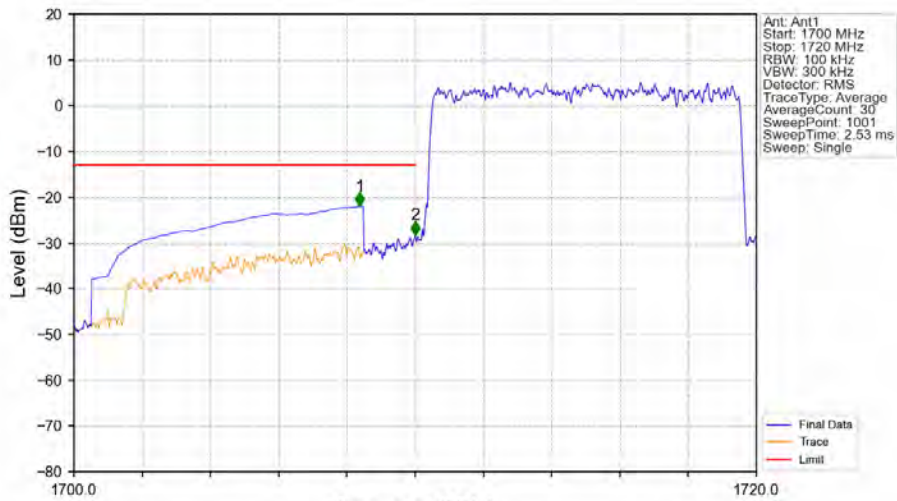
### 6.4.2 Test Graph



Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_1\_0\_NTNV

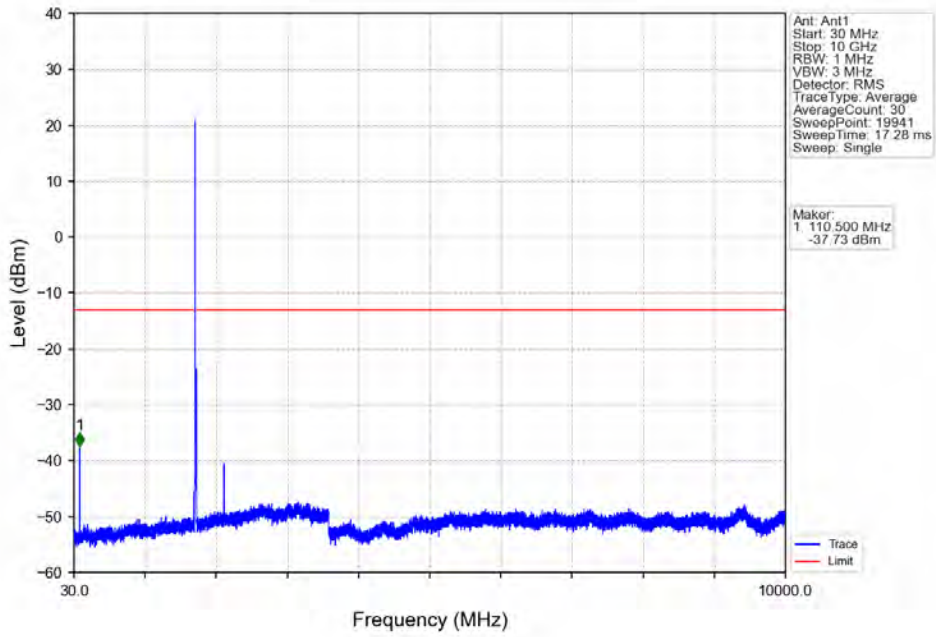


Band4\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV

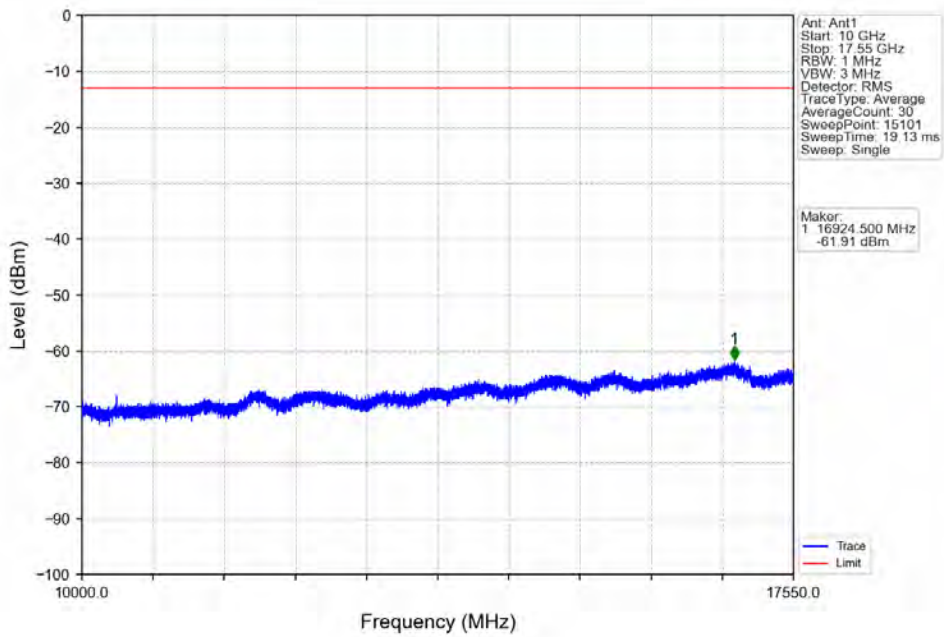


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.380	-22.00	-13	Pass
1709	1710	0.1	/	2	1710.000	-28.24	-13	Pass
1710	1720	0.1	/	/	/	/	/	/

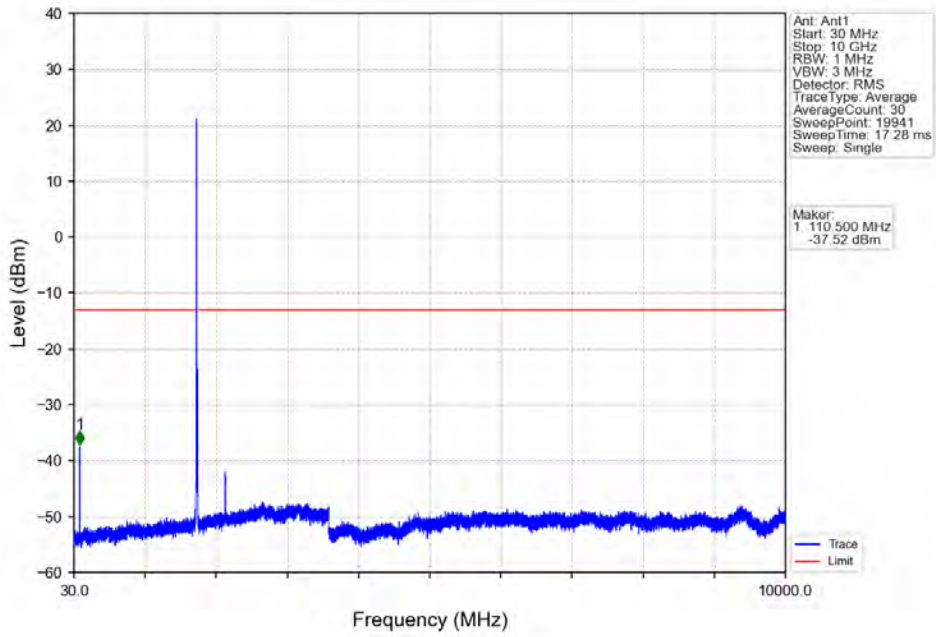
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



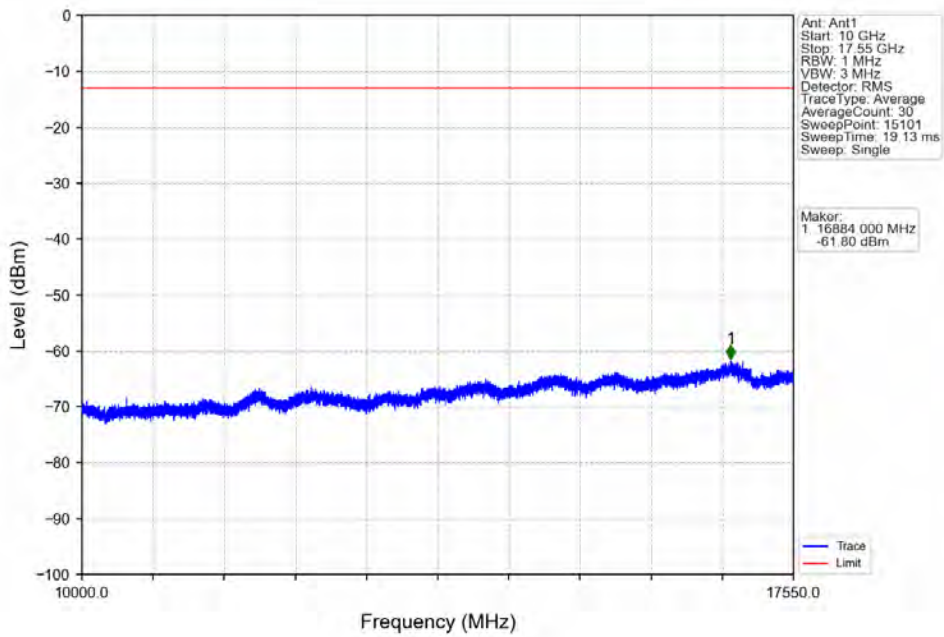
Band4\_10MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



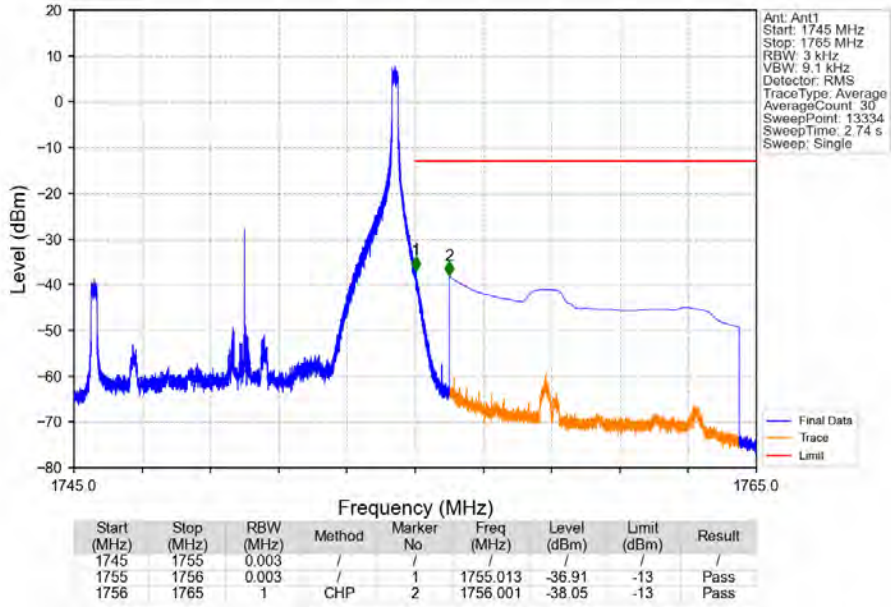
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_0\_NTNV



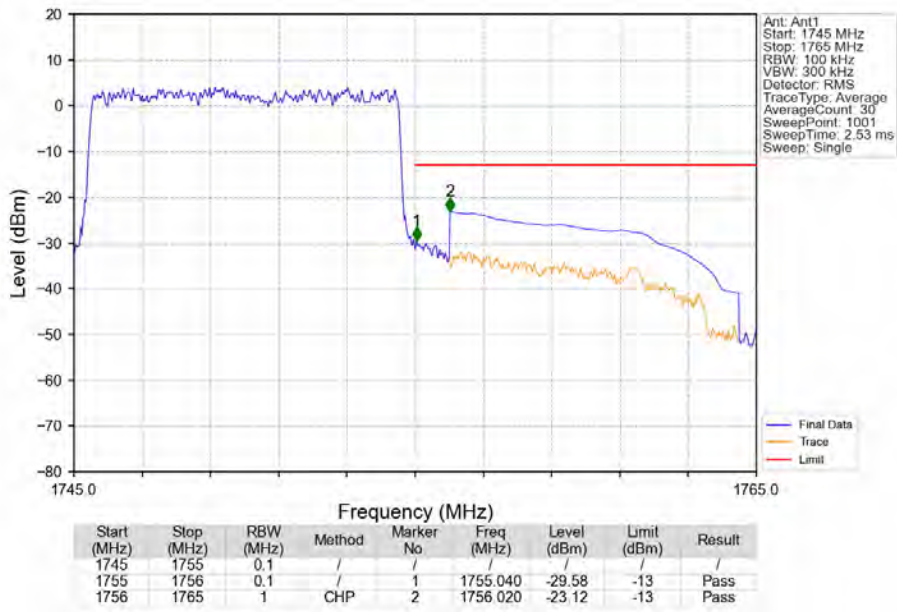
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_0\_NTNV



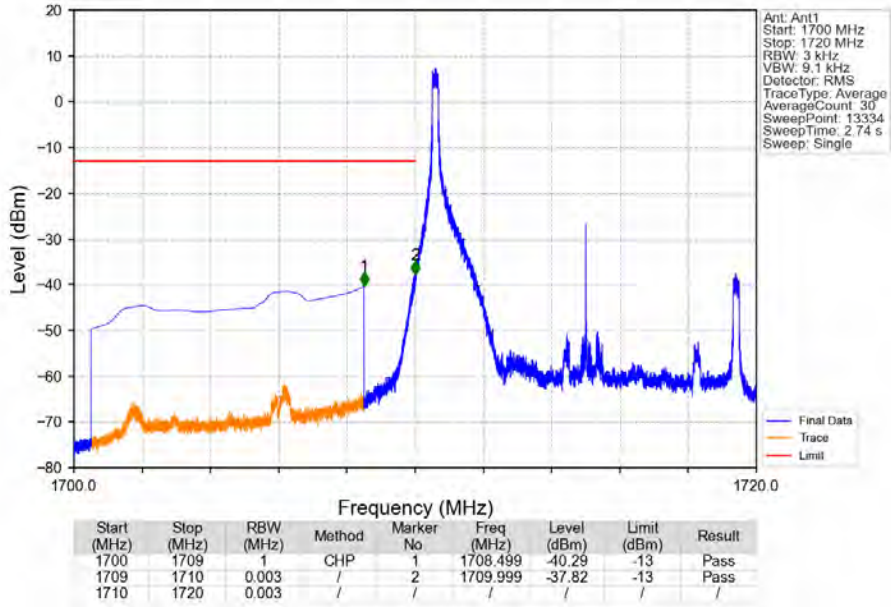
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_1\_49\_NTNV



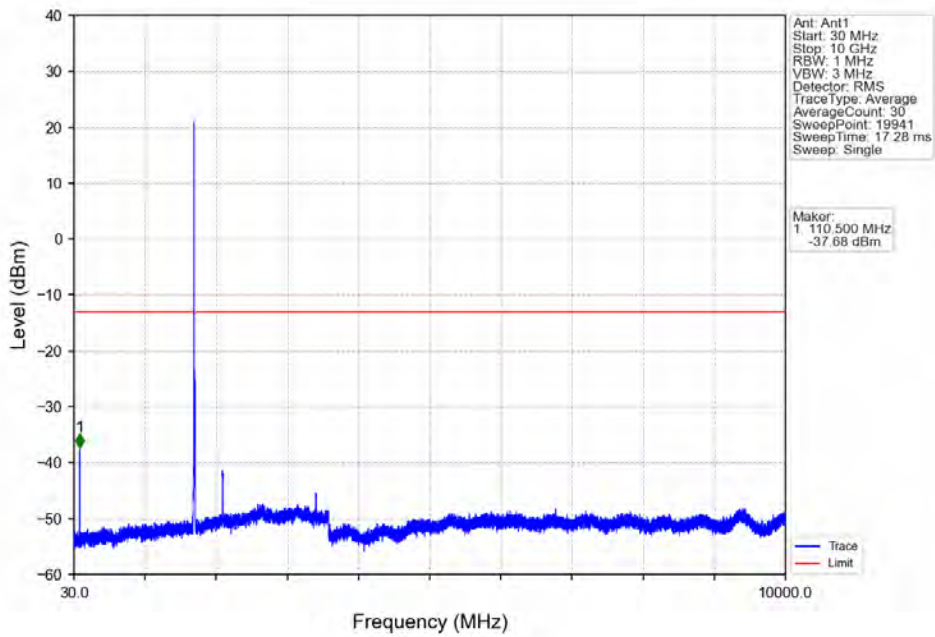
Band4\_10MHz\_QPSK\_HCH\_1750MHz\_RB\_50\_0\_NTNV



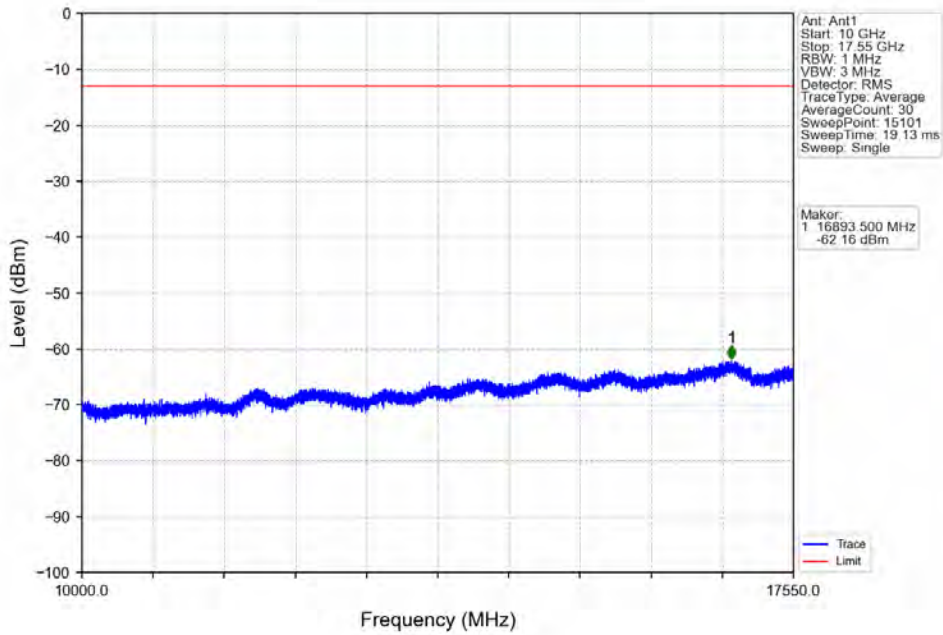
Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



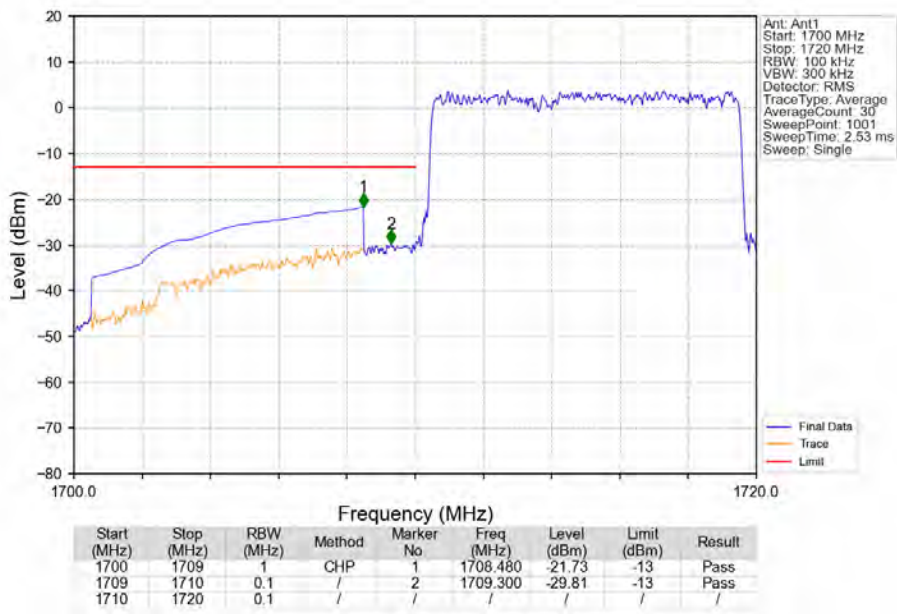
Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_1\_0\_NTNV

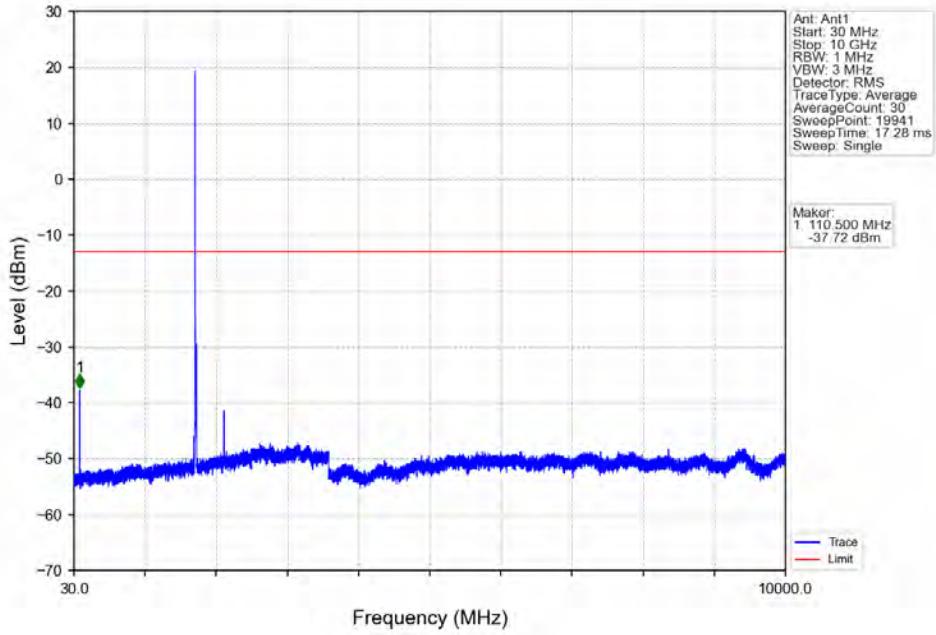


Band4\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV

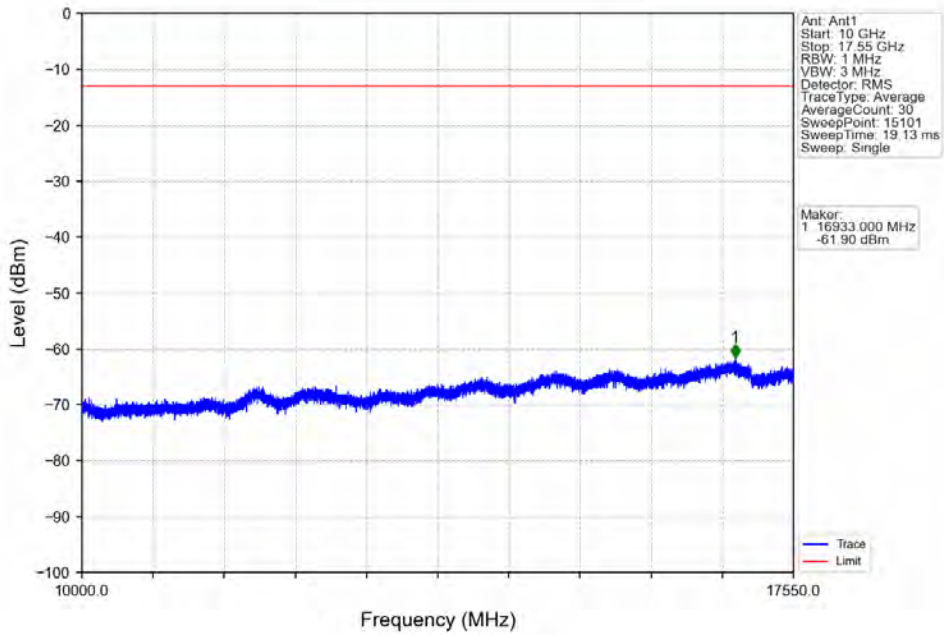




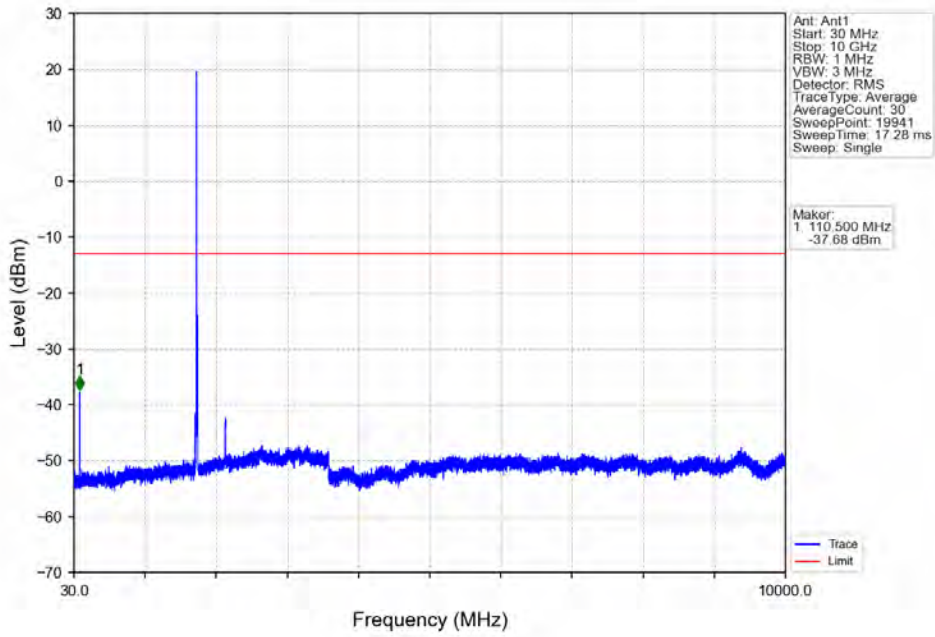
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



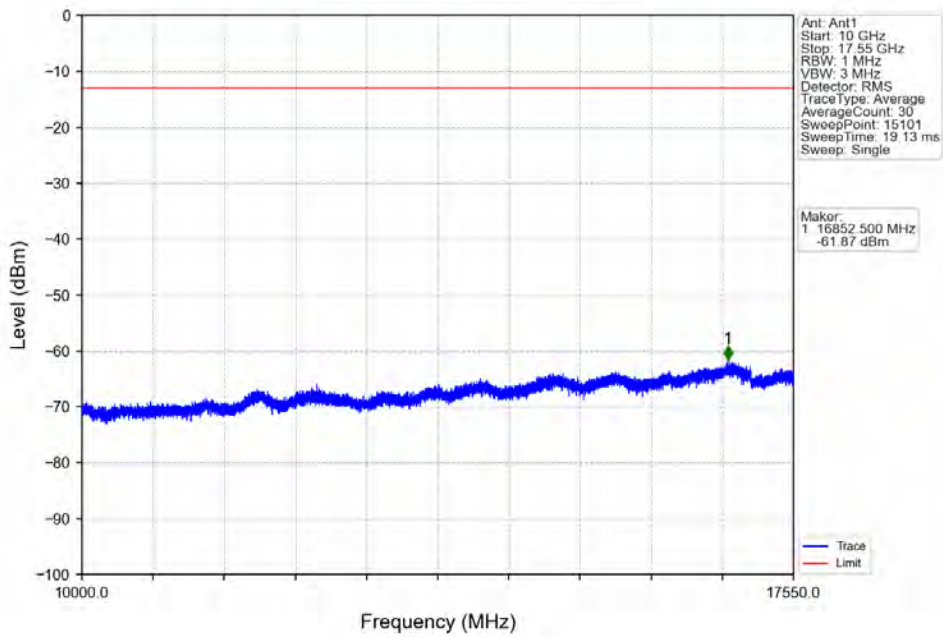
Band4\_10MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



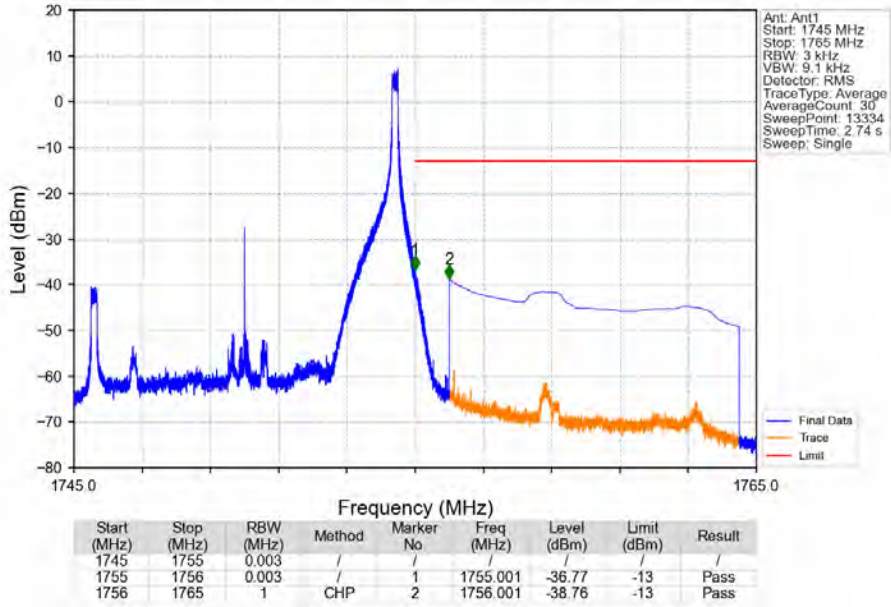
Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_0\_NTNV



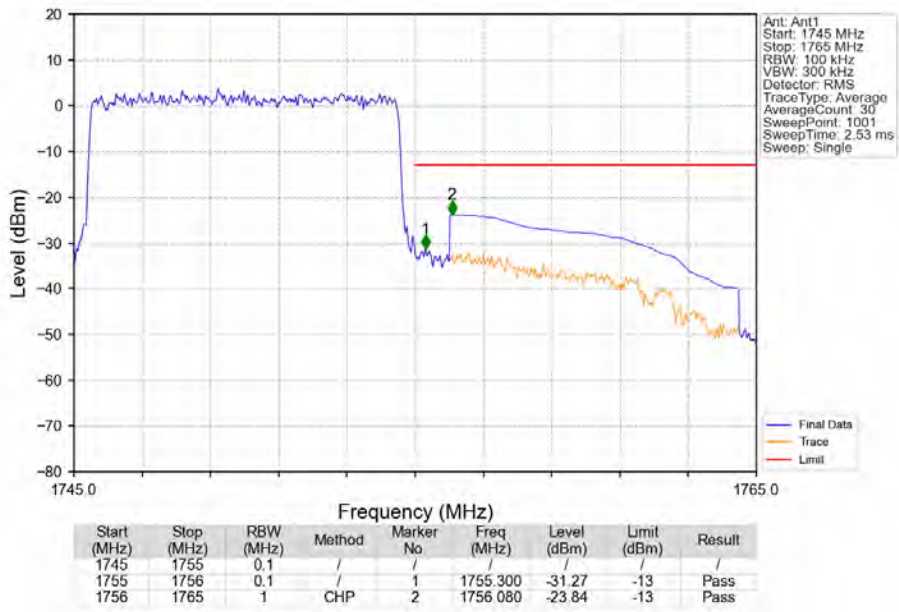
Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_0\_NTNV



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_1\_49\_NTV



Band4\_10MHz\_16QAM\_HCH\_1750MHz\_RB\_50\_0\_NTV

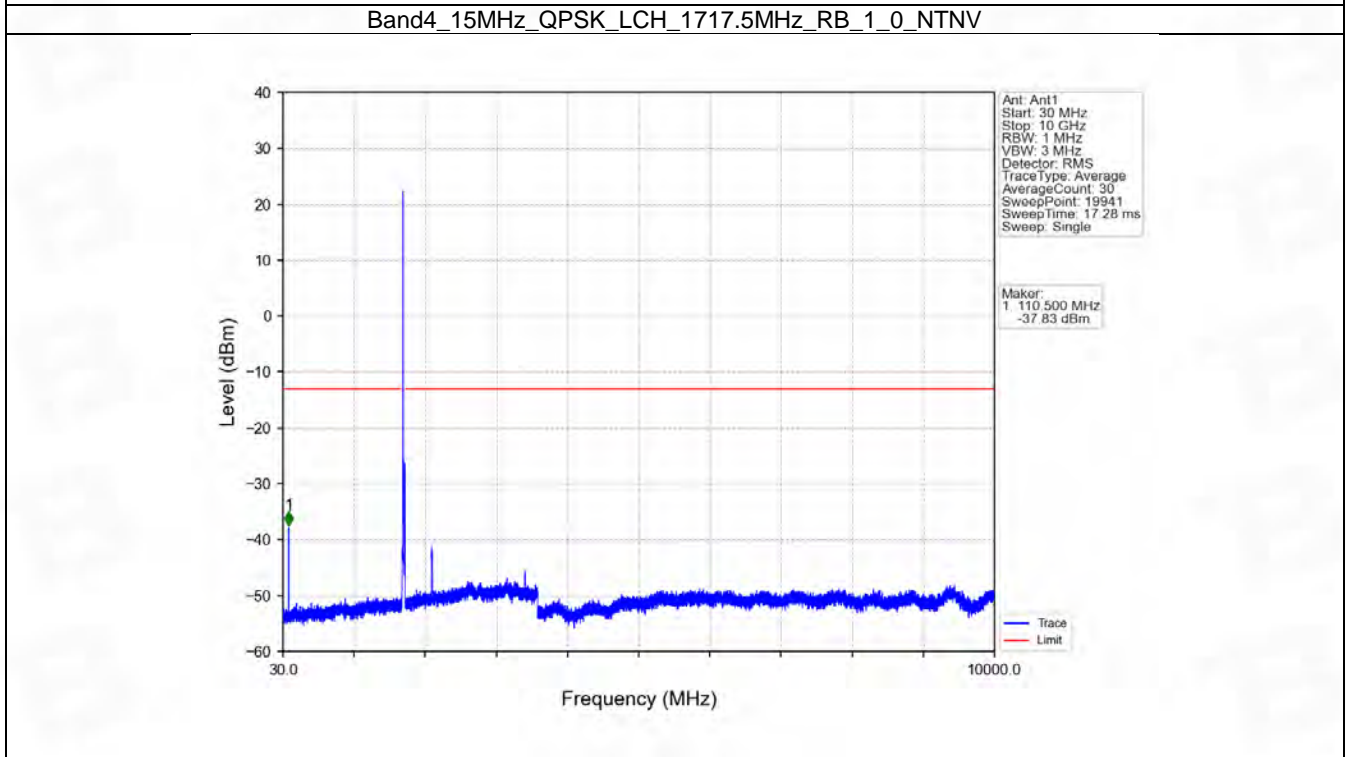
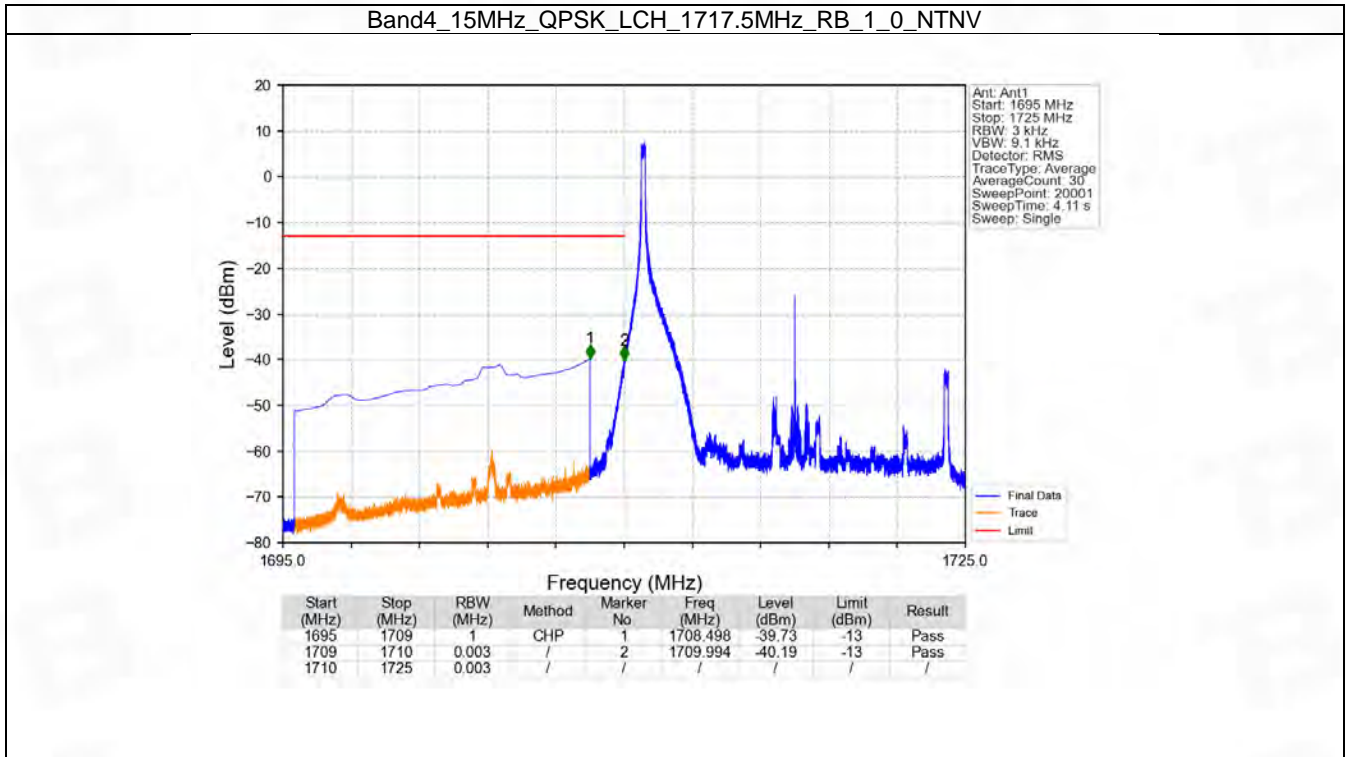


## 6.5 B4\_15MHz

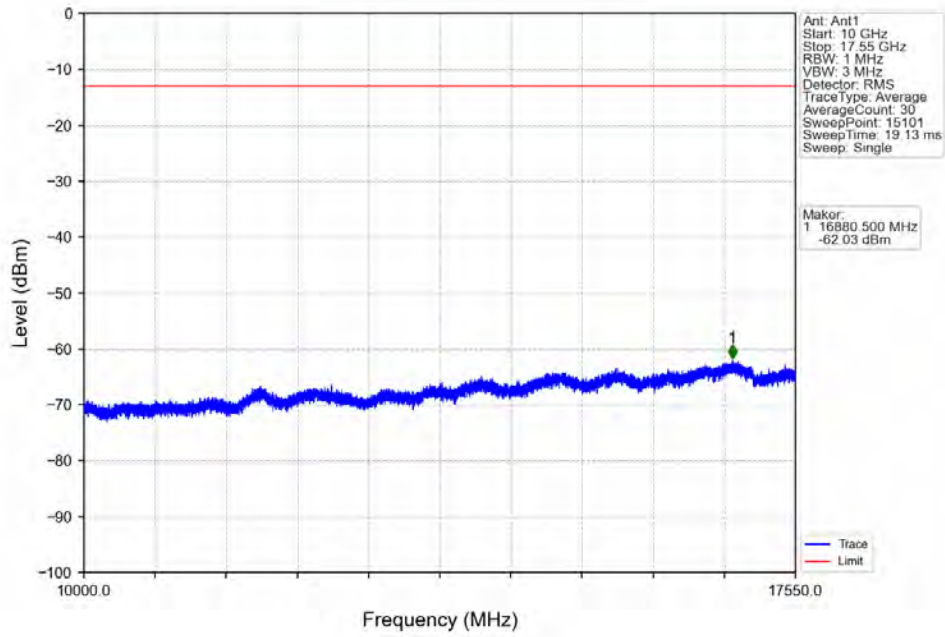
### 6.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
		1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
		1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

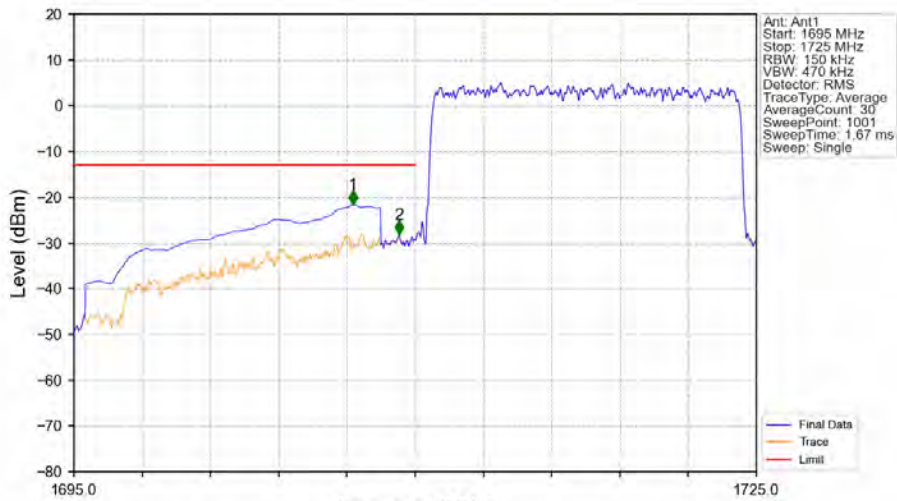
### 6.5.2 Test Graph



Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV

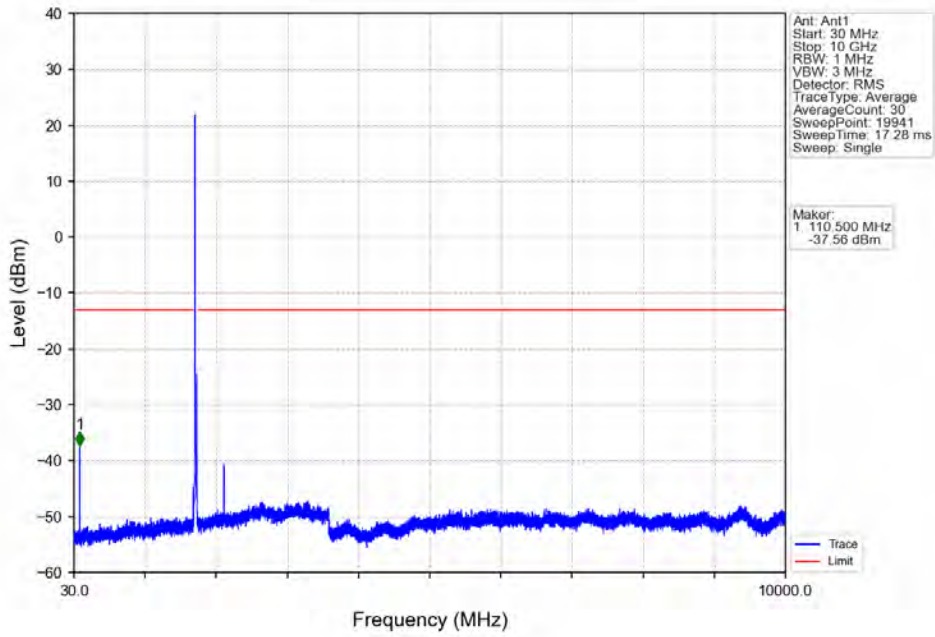


Band4\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

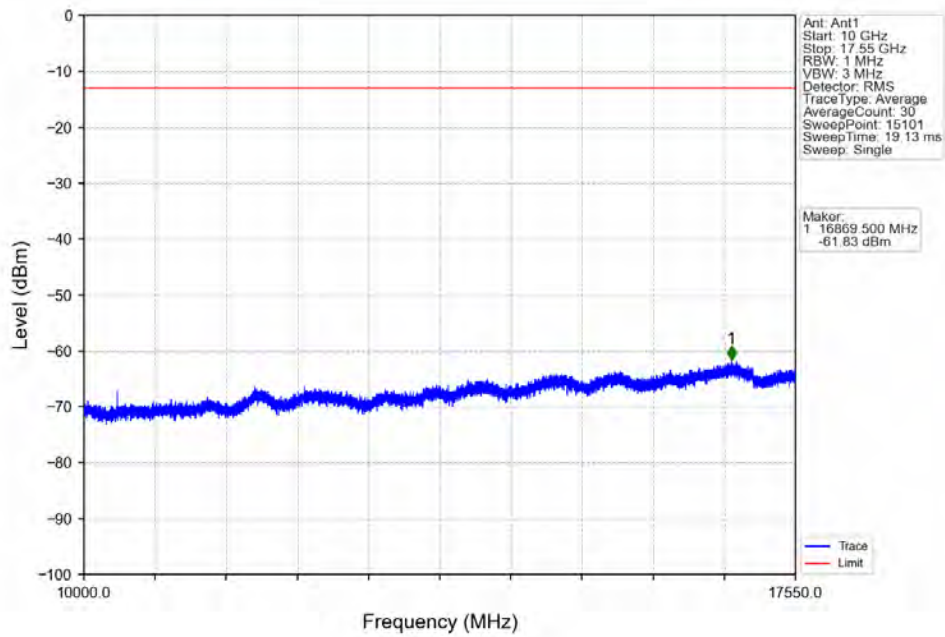


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.270	-21.62	-13	Pass
1709	1710	0.15	/	2	1709.280	-28.12	-13	Pass
1710	1725	0.15	/	/	/	/	/	/

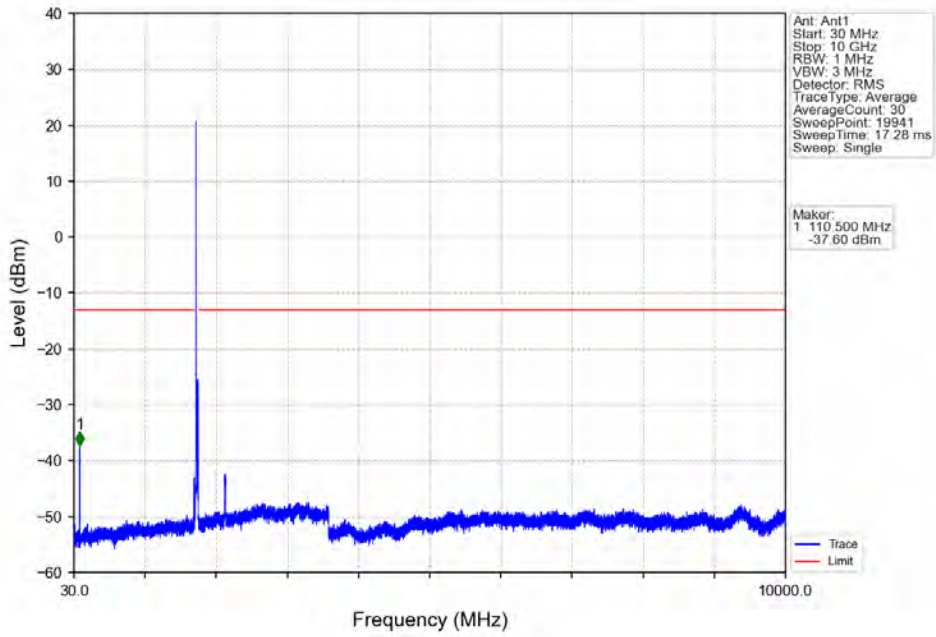
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



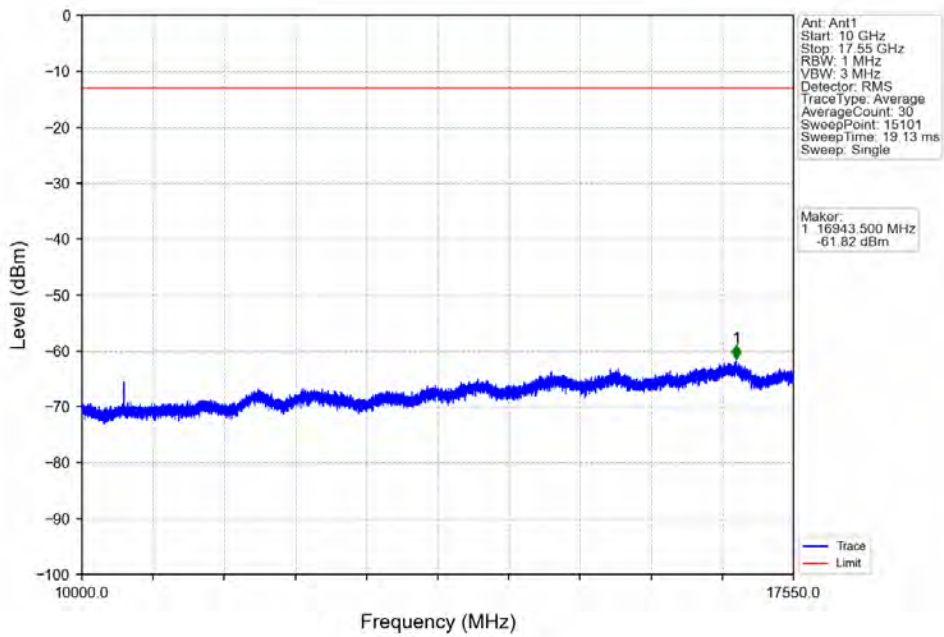
Band4\_15MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV

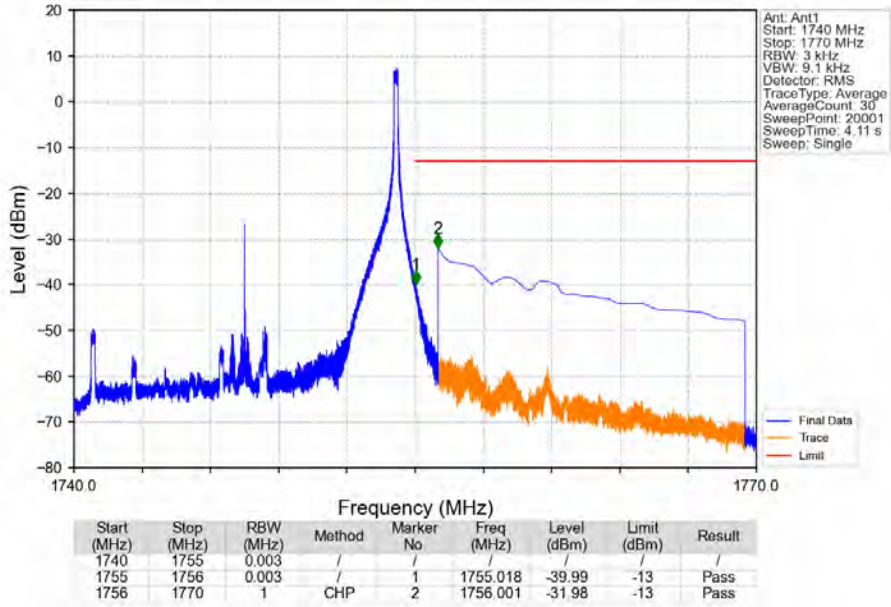


Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV

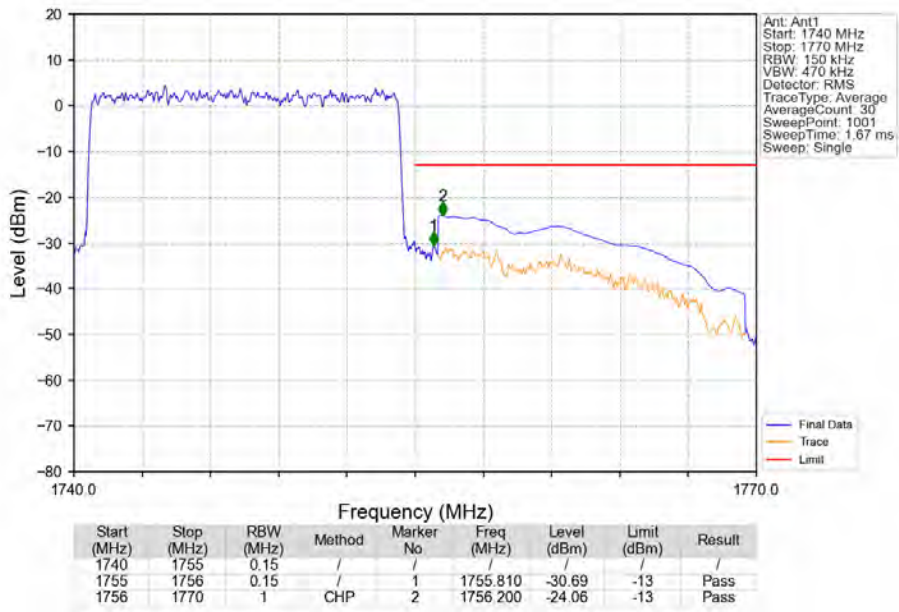




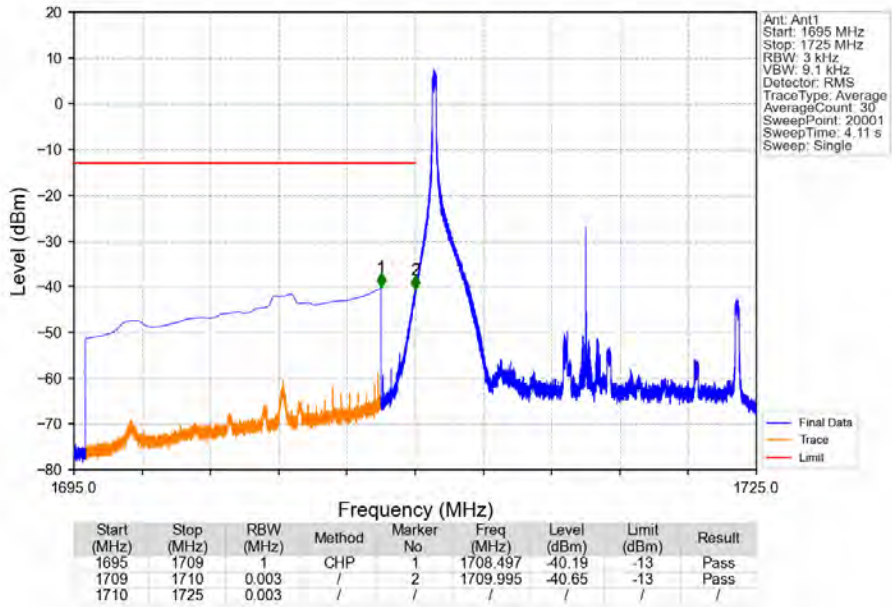
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV



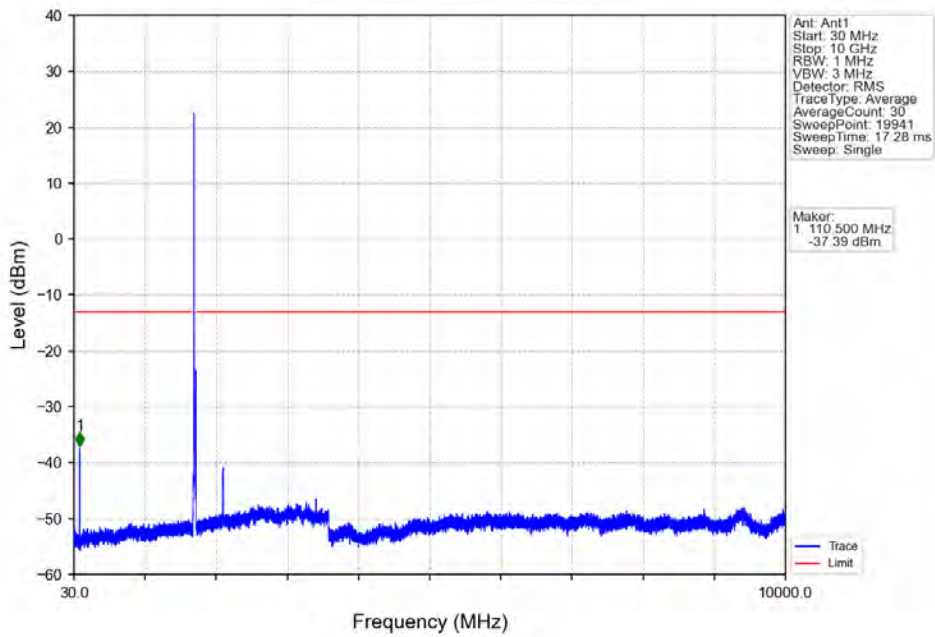
Band4\_15MHz\_QPSK\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV



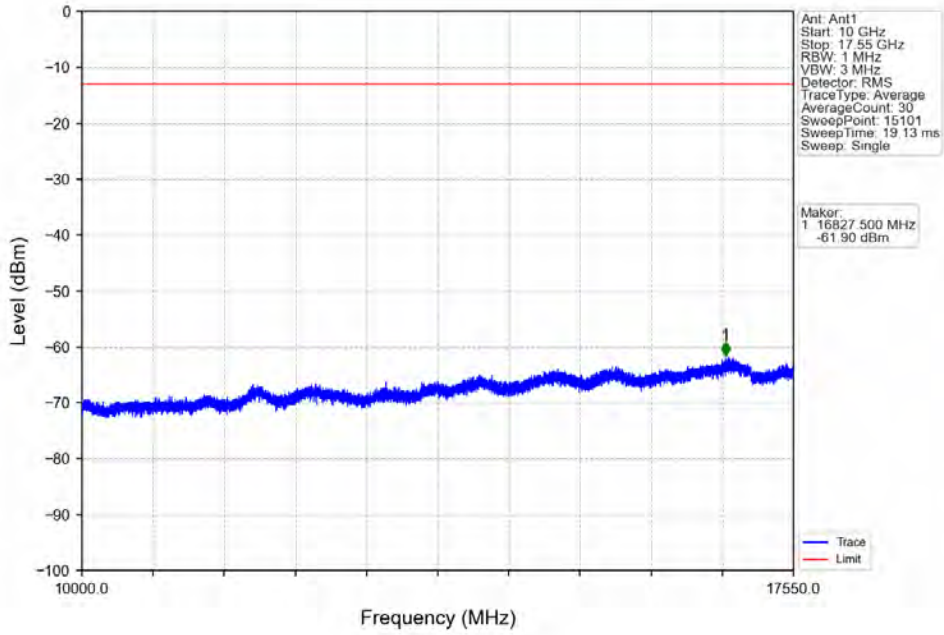
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



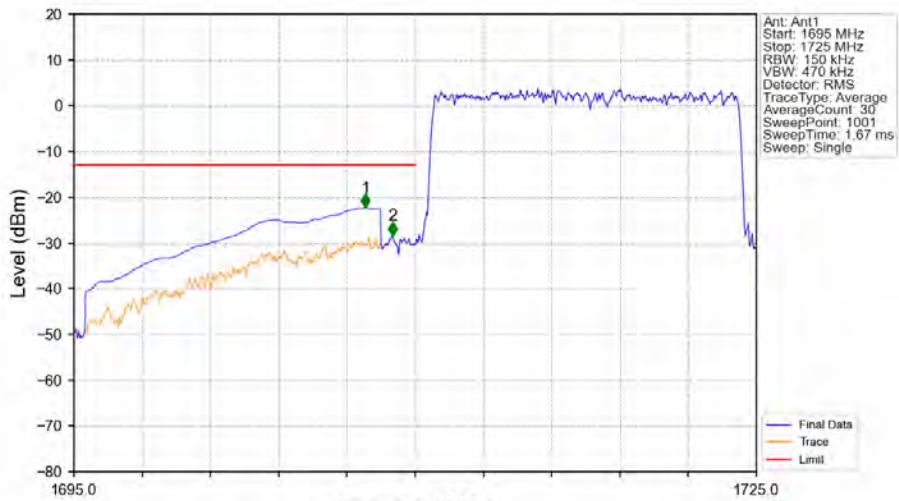
Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_1\_0\_NTNV

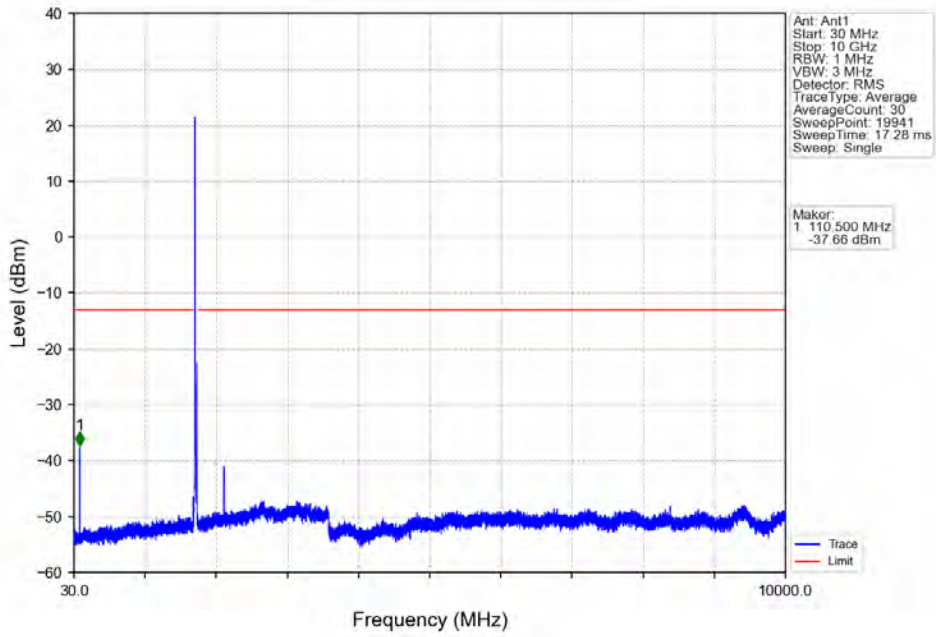


Band4\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

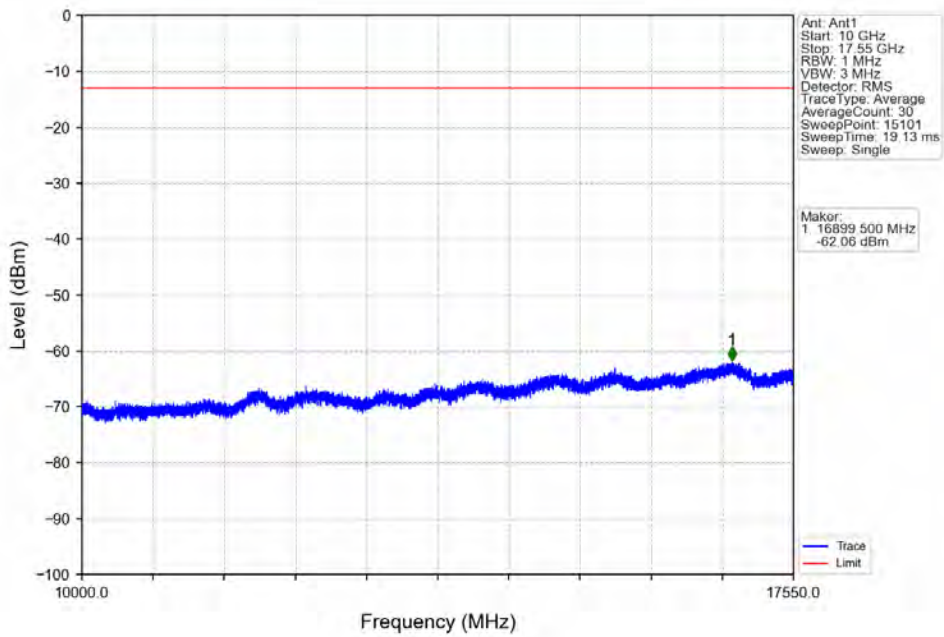


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.810	-22.33	-13	Pass
1709	1710	0.15	/	2	1709.010	-28.41	-13	Pass
1710	1725	0.15	/	/	/	/	/	/

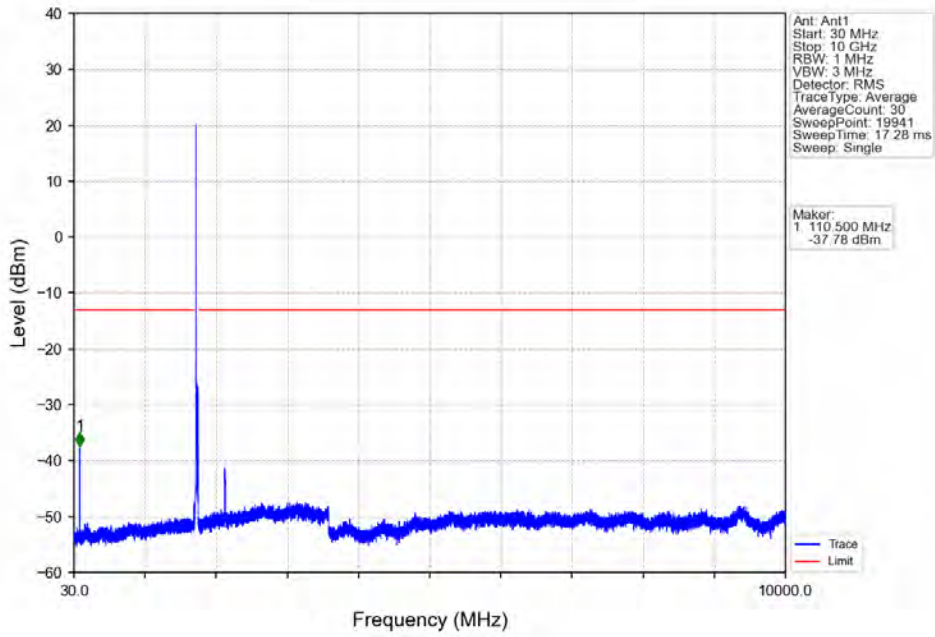
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



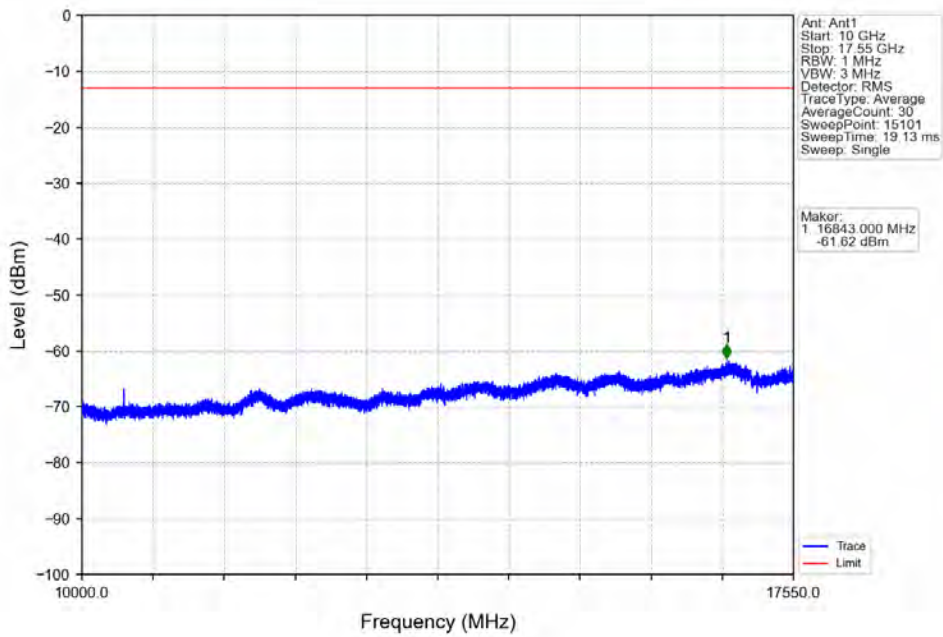
Band4\_15MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



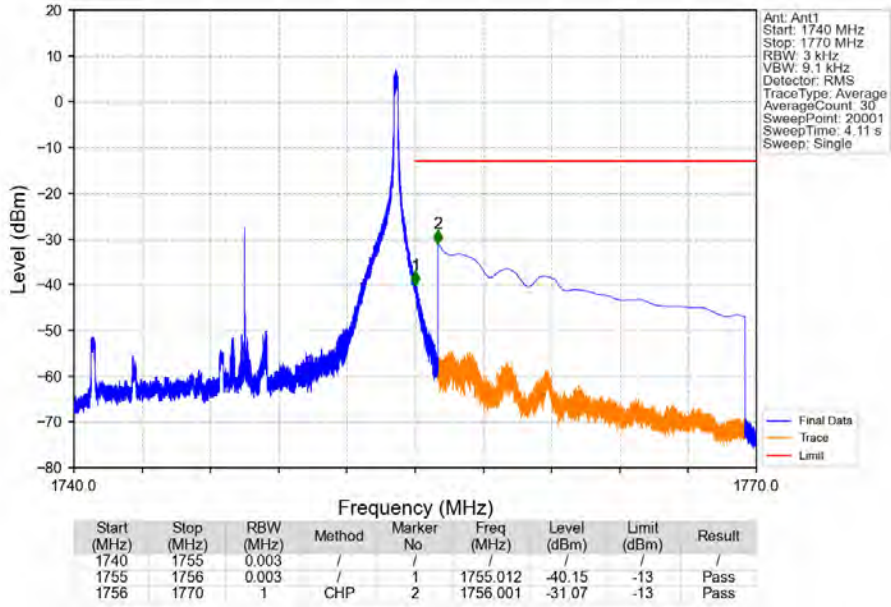
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



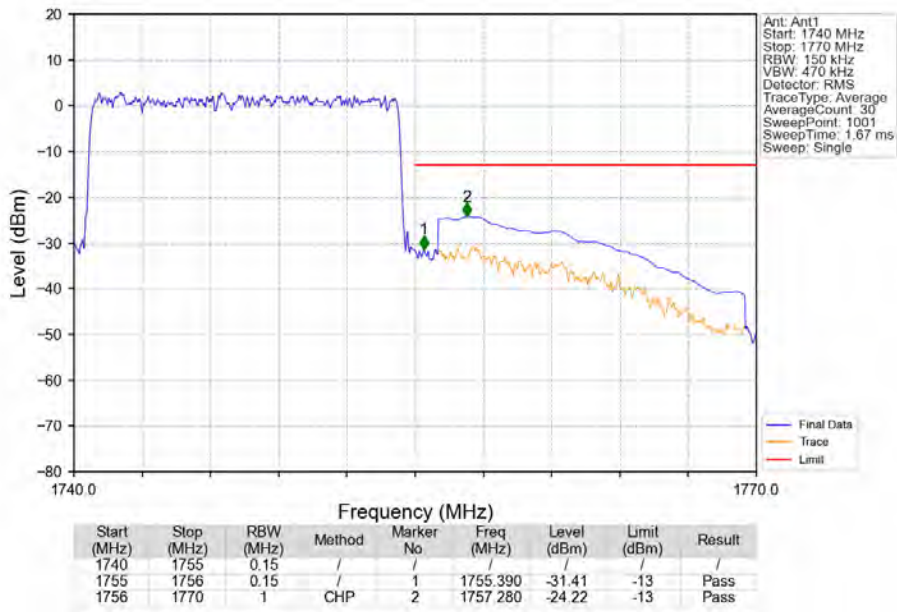
Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_0\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_1\_74\_NTNV



Band4\_15MHz\_16QAM\_HCH\_1747.5MHz\_RB\_75\_0\_NTNV

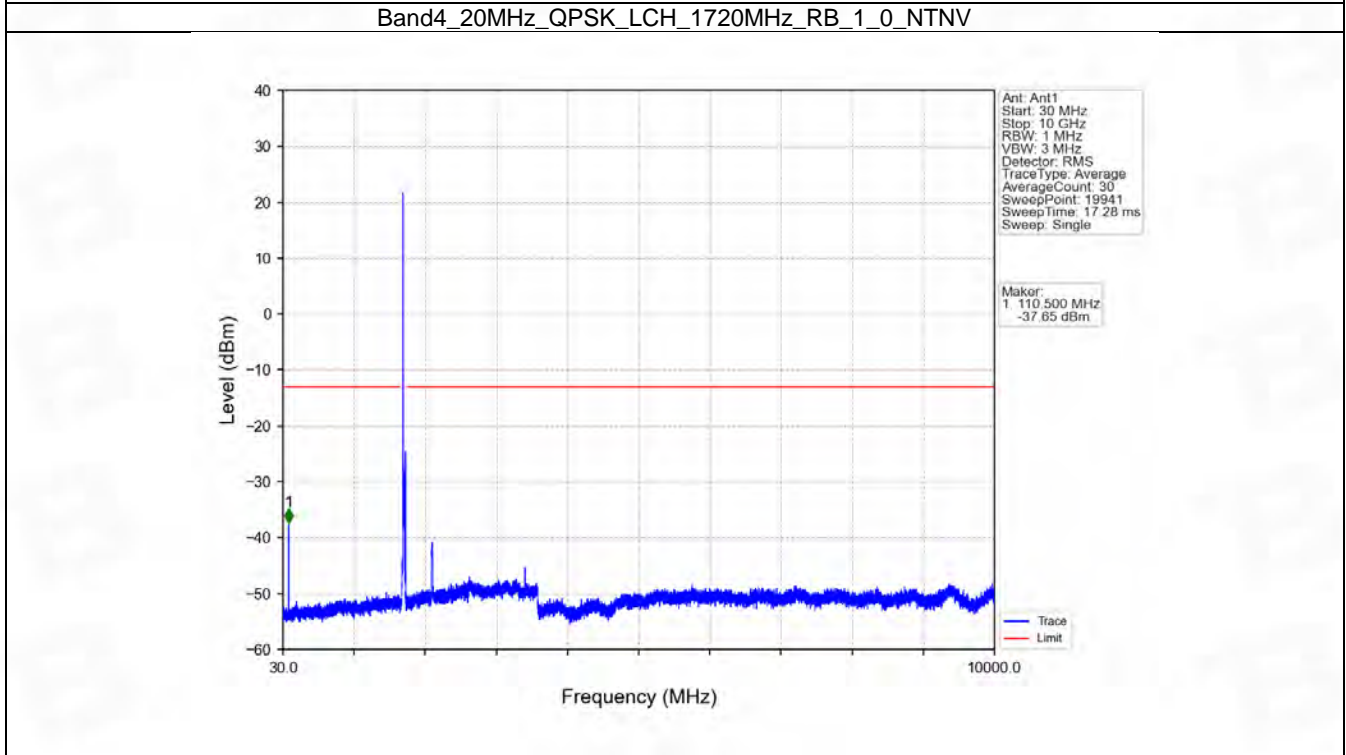
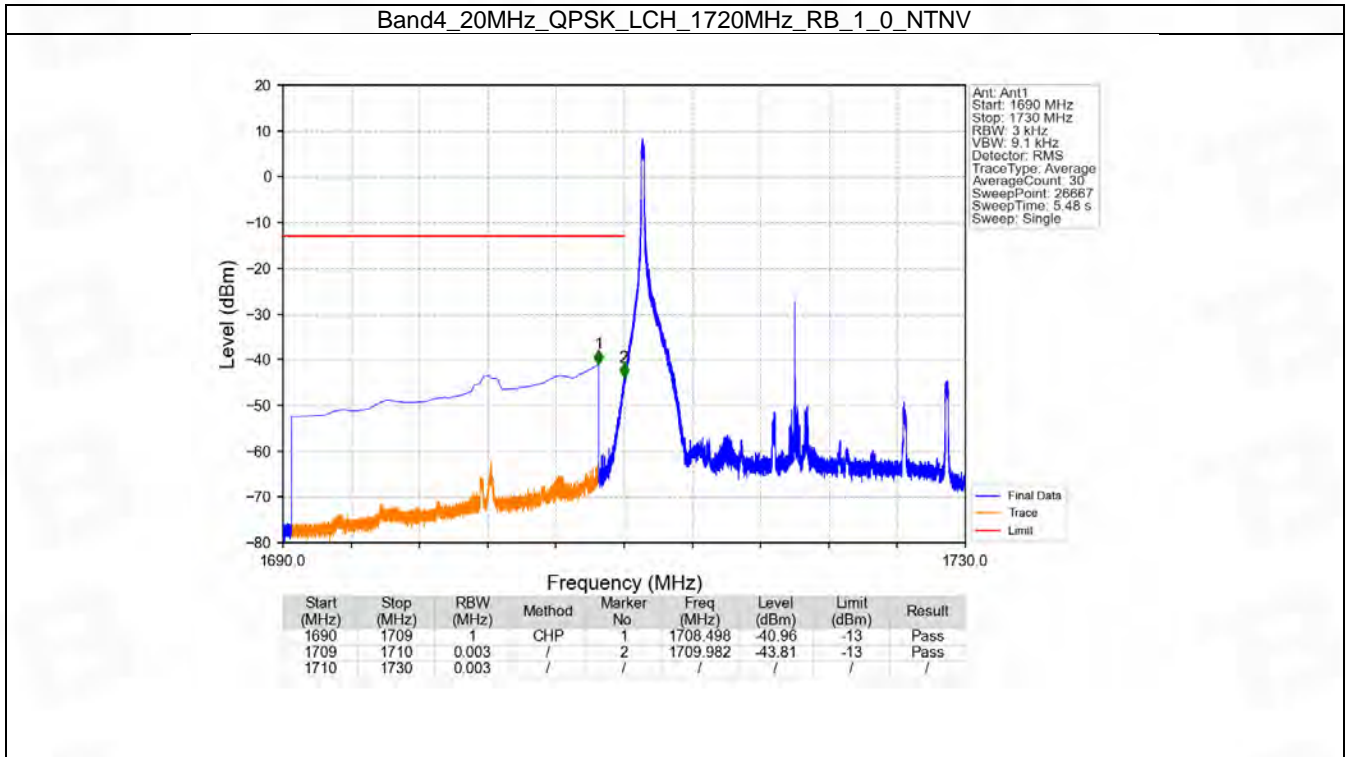


## 6.6 B4\_20MHz

### 6.6.1 Test Result

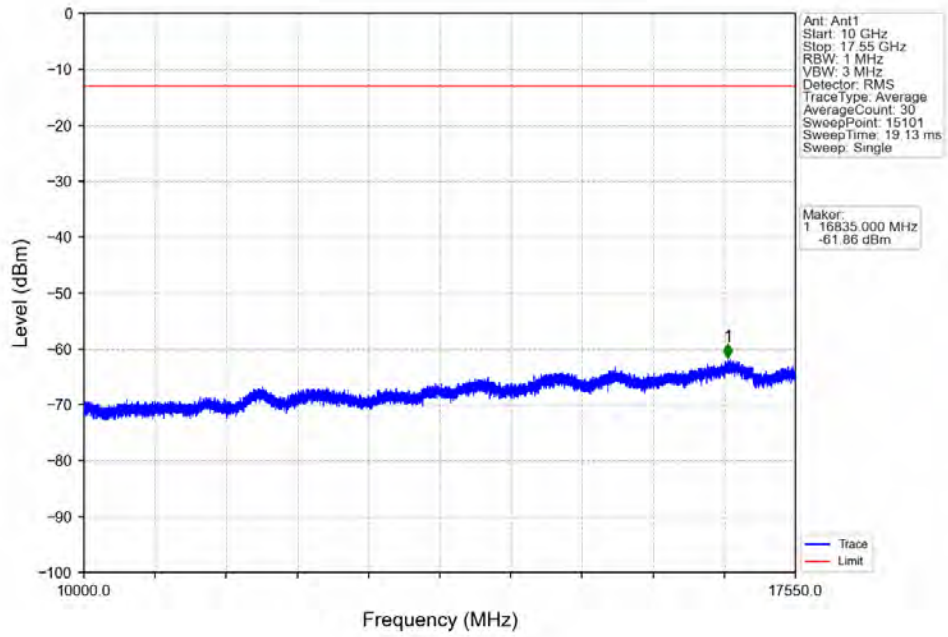
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

### 6.6.2 Test Graph

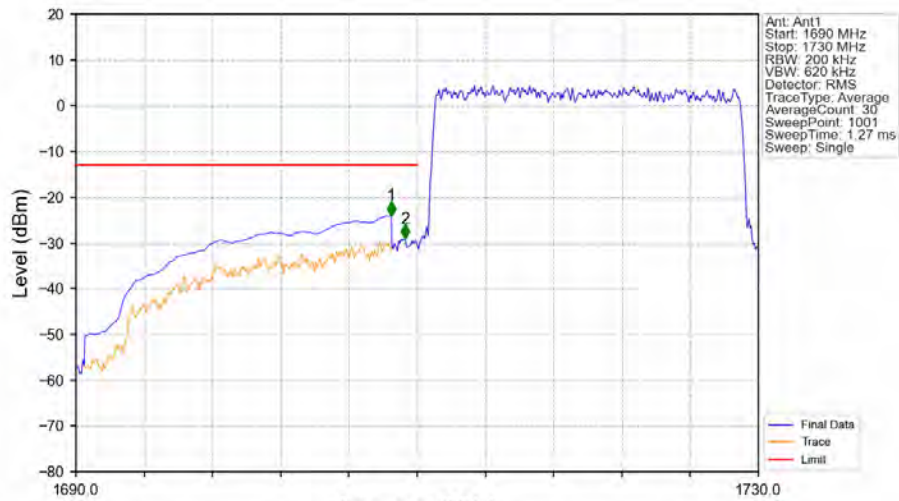




Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_1\_0\_NTNV

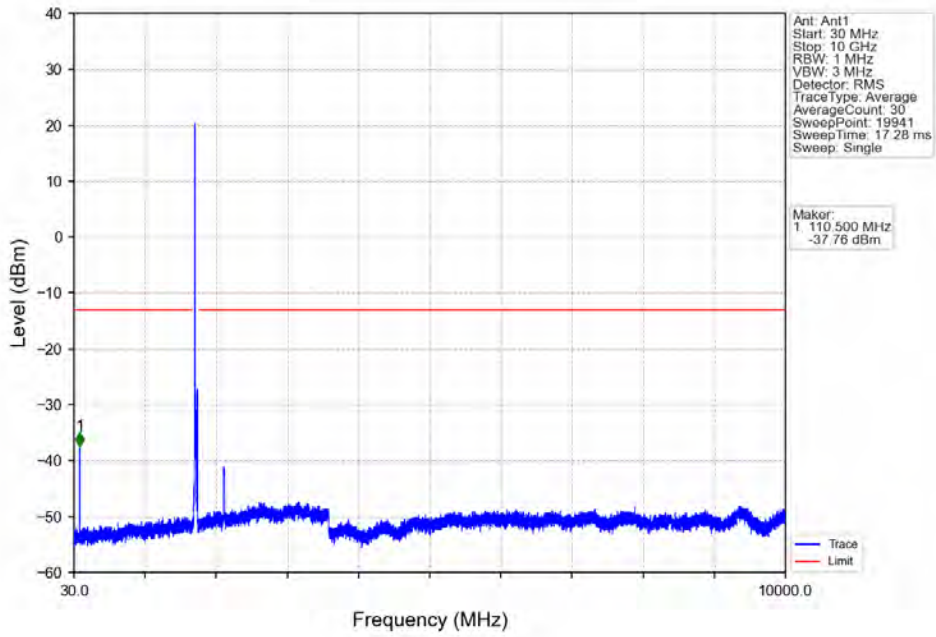


Band4\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV

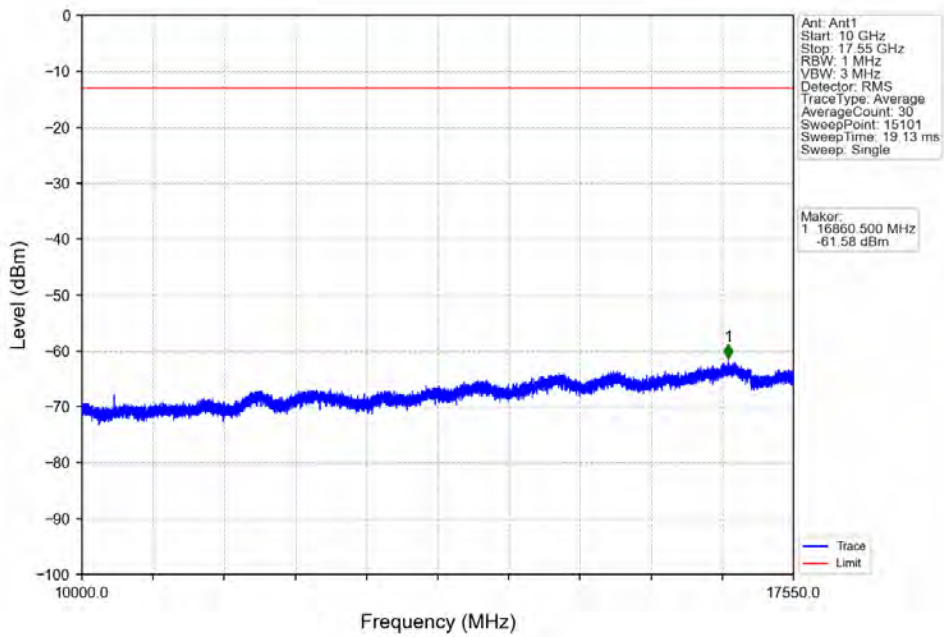


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-24.02	-13	Pass
1709	1710	0.2	/	2	1709.280	-29.09	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

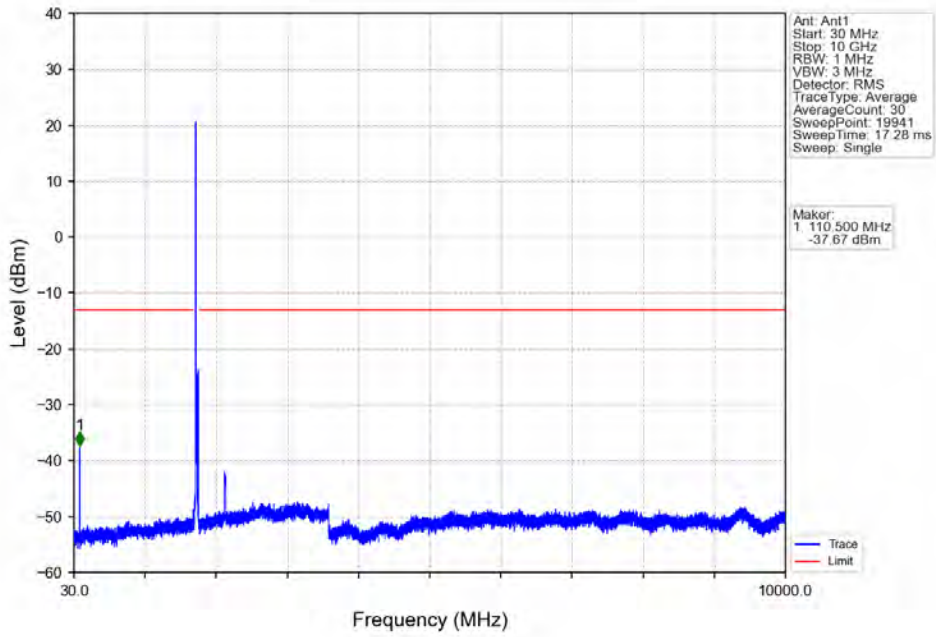
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



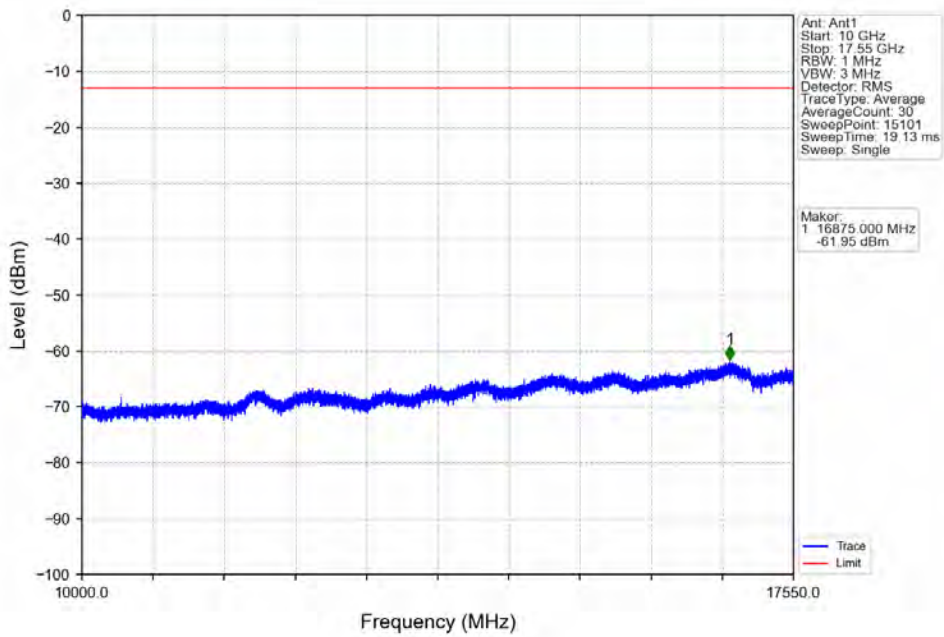
Band4\_20MHz\_QPSK\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



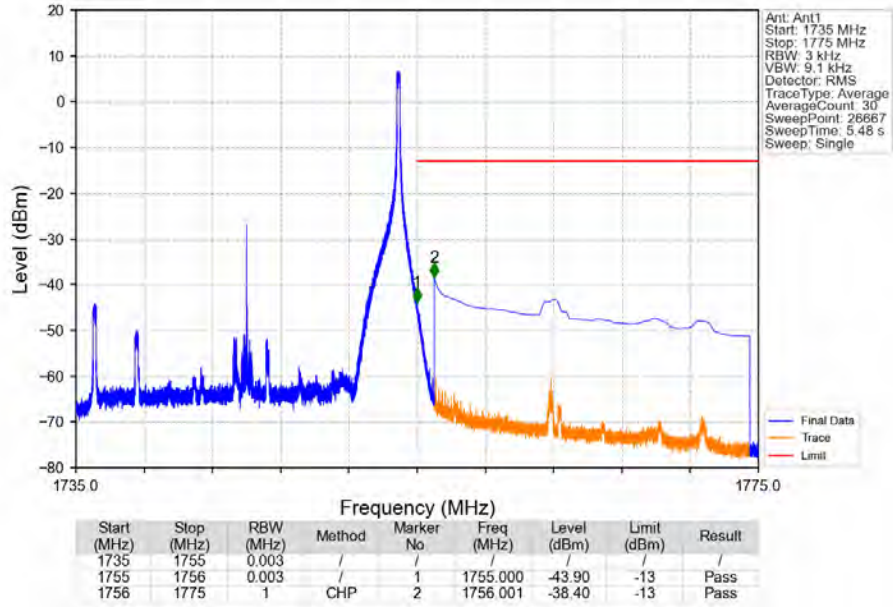
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_0\_NTNV



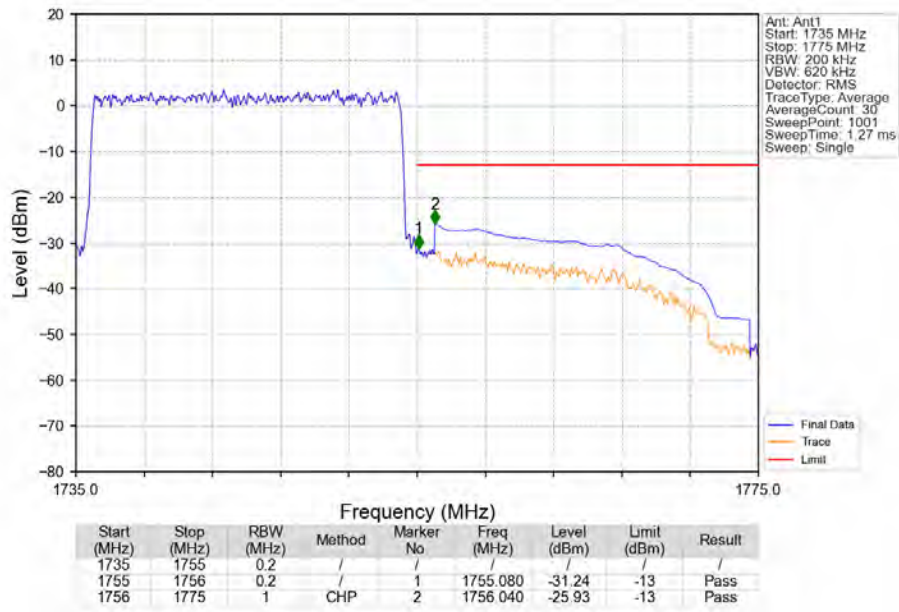
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_0\_NTNV



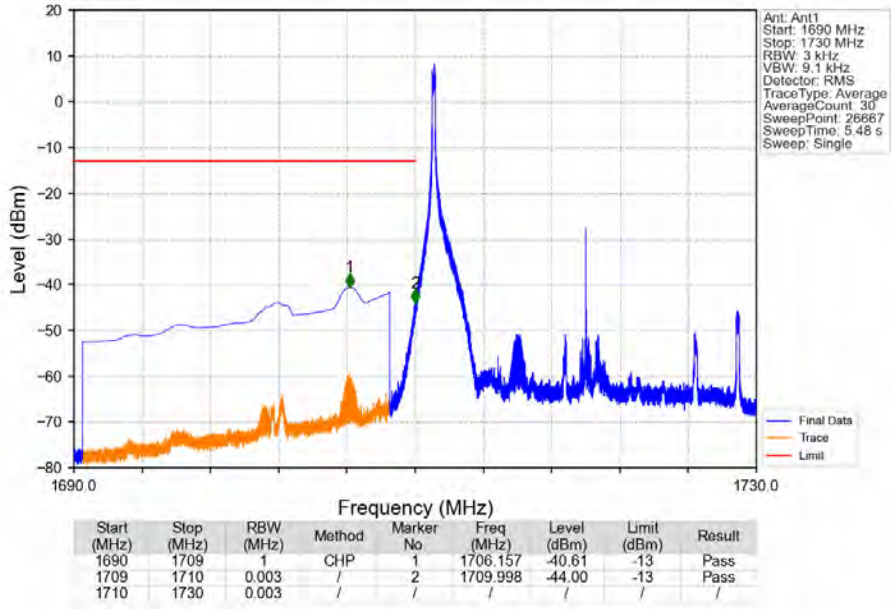
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_1\_99\_NTNV



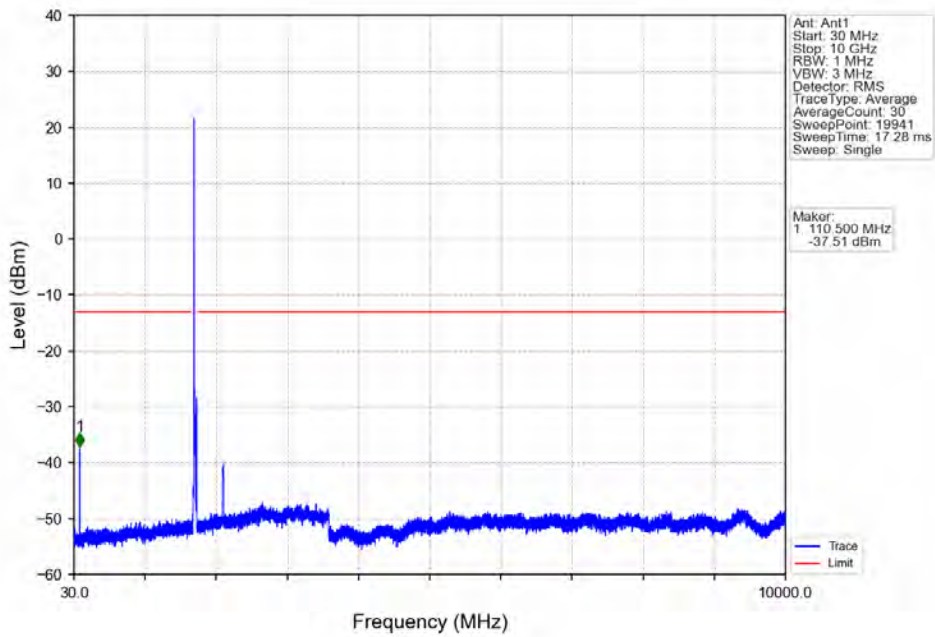
Band4\_20MHz\_QPSK\_HCH\_1745MHz\_RB\_100\_0\_NTNV



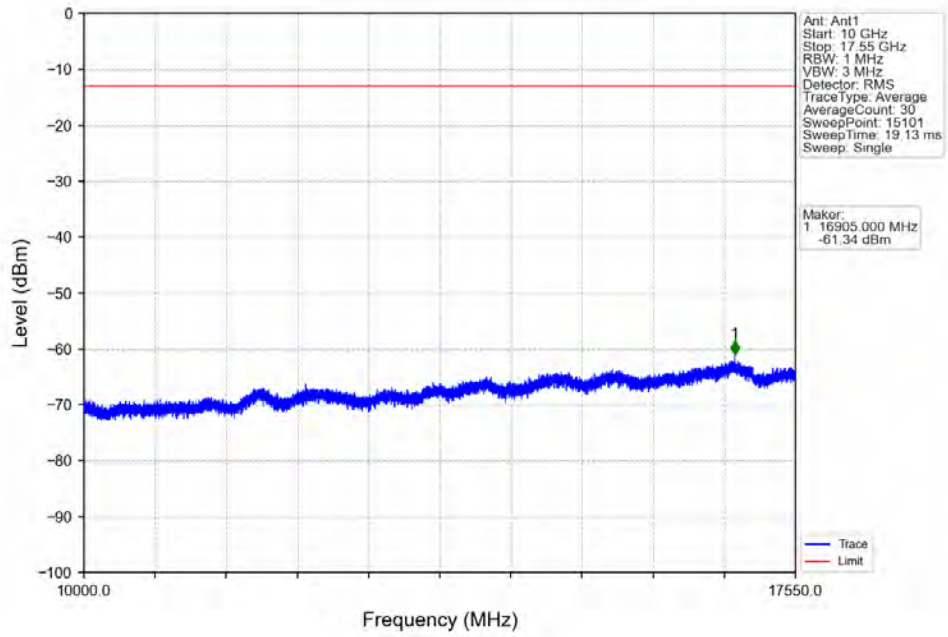
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



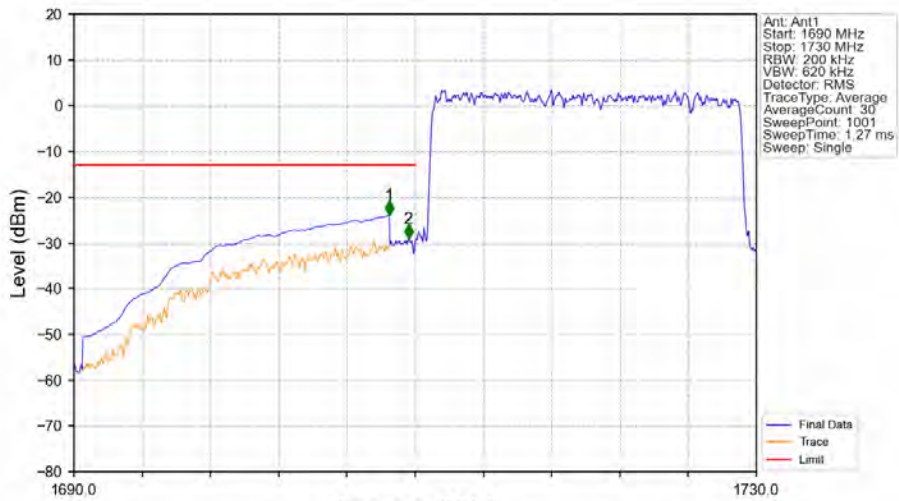
Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_1\_0\_NTNV

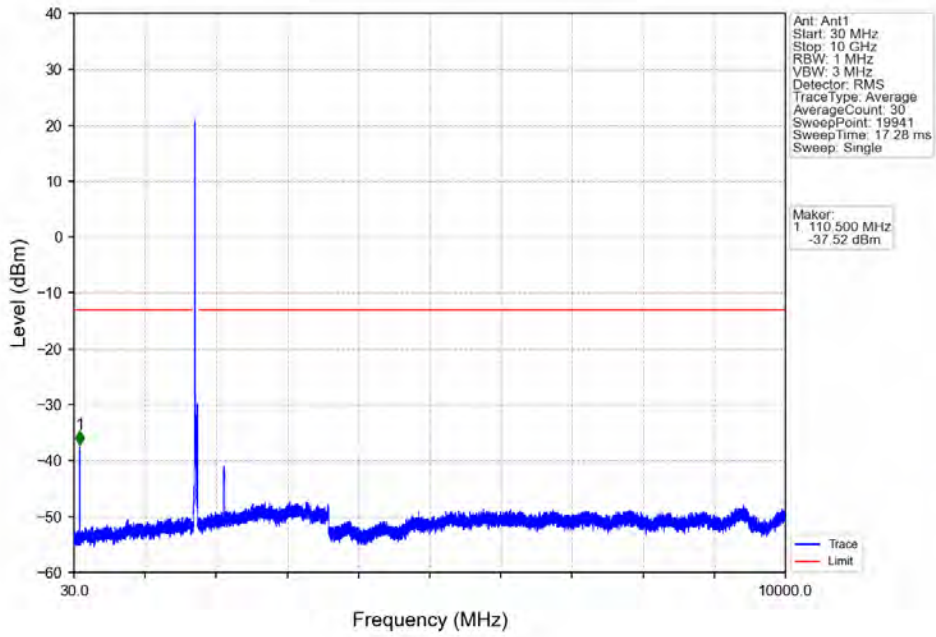


Band4\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV

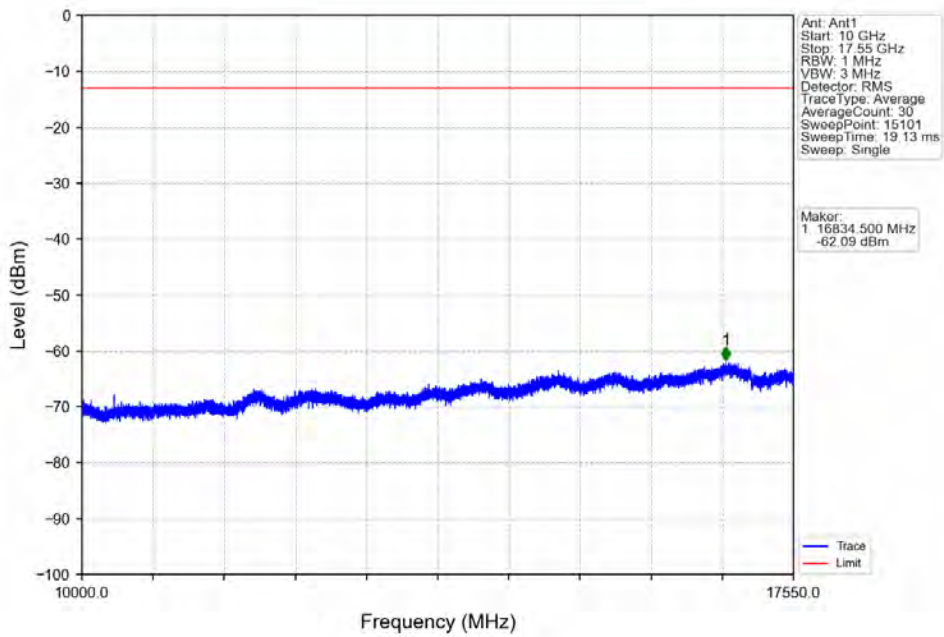


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-23.97	-13	Pass
1709	1710	0.2	/	2	1709.600	-29.05	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

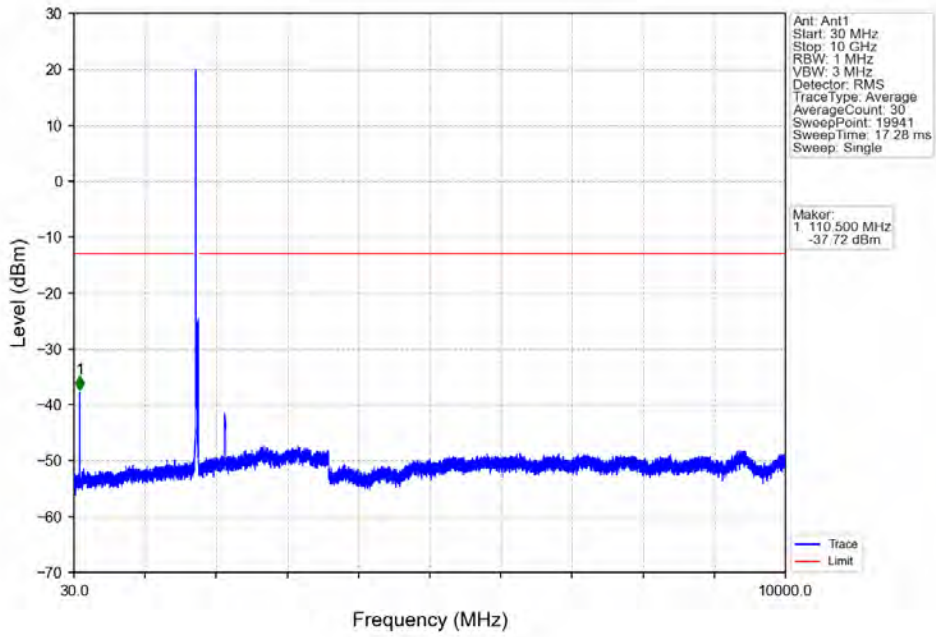
Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



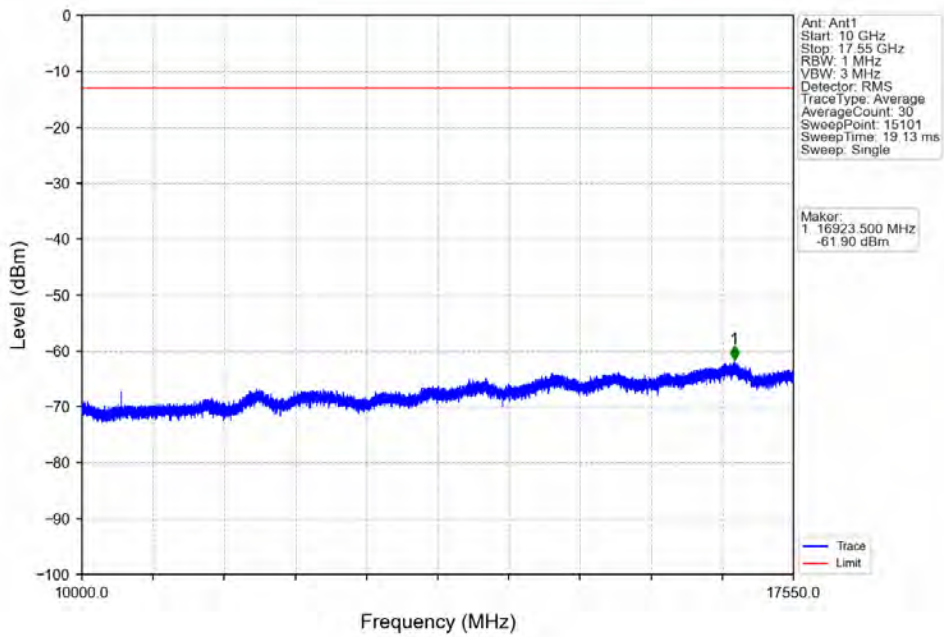
Band4\_20MHz\_16QAM\_MCH\_1732.5MHz\_RB\_1\_0\_NTNV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_0\_NTNV

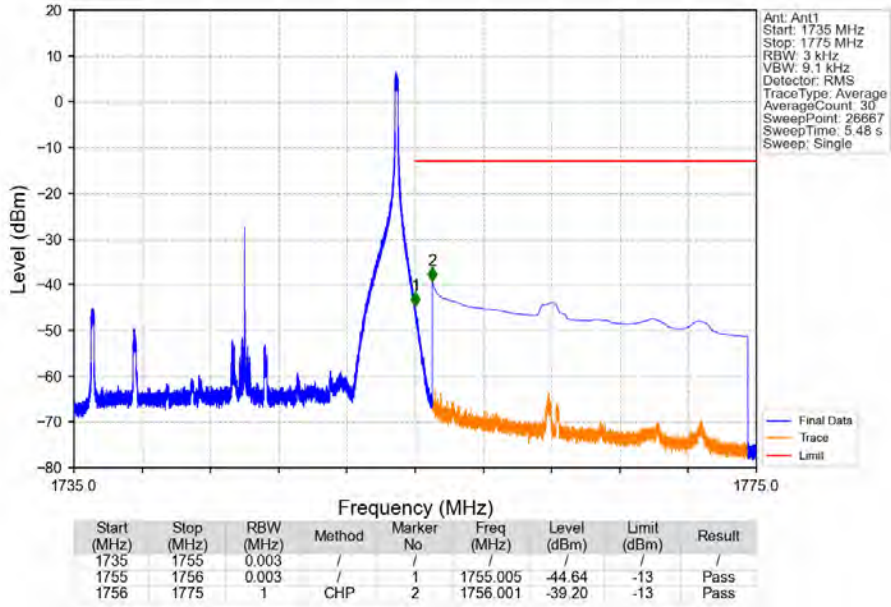


Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_0\_NTNV

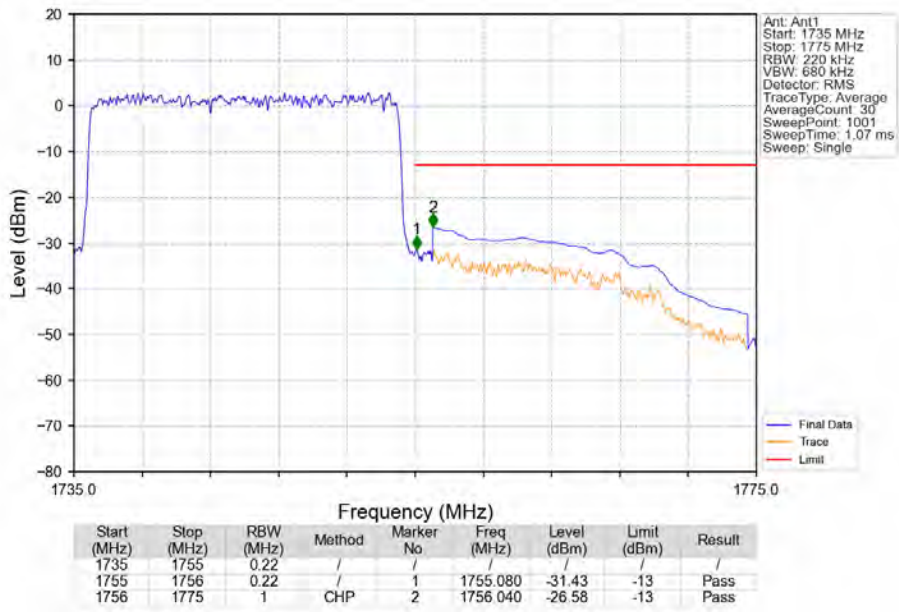




Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_1\_99\_NTV



Band4\_20MHz\_16QAM\_HCH\_1745MHz\_RB\_100\_0\_NTV



## 7. Form731

### 7.1 Form731\_Power

#### 7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.1718	0.0049	ppm	1M12G7D	24E	22.35
4	1.4	1710.7	1754.3	0.1355	0.0046	ppm	1M12W7D	24E	21.32
4	3	1711.5	1753.5	0.1754	0.0042	ppm	2M73G7D	24E	22.44
4	3	1711.5	1753.5	0.1390	0.0038	ppm	2M74W7D	24E	21.43
4	5	1712.5	1752.5	0.1698	0.0056	ppm	4M55G7D	24E	22.30
4	5	1712.5	1752.5	0.1371	0.0049	ppm	4M56W7D	24E	21.37
4	10	1715	1750	0.1766	0.0042	ppm	9M07G7D	24E	22.47
4	10	1715	1750	0.1409	0.0040	ppm	9M08W7D	24E	21.49
4	15	1717.5	1747.5	0.1667	0.0029	ppm	13M6G7D	24E	22.22
4	15	1717.5	1747.5	0.1445	0.0030	ppm	13M6W7D	24E	21.60
4	20	1720	1745	0.1698	0.0027	ppm	18M2G7D	24E	22.30
4	20	1720	1745	0.1542	0.0042	ppm	18M2W7D	24E	21.88

## 7.2 Form731\_EIRP

### 7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.1919	0.0049	ppm	1M12G7D	24E	22.83
4	1.4	1710.7	1754.3	0.1514	0.0046	ppm	1M12W7D	24E	21.80
4	3	1711.5	1753.5	0.1959	0.0042	ppm	2M73G7D	24E	22.92
4	3	1711.5	1753.5	0.1552	0.0038	ppm	2M74W7D	24E	21.91
4	5	1712.5	1752.5	0.1897	0.0056	ppm	4M55G7D	24E	22.78
4	5	1712.5	1752.5	0.1531	0.0049	ppm	4M56W7D	24E	21.85
4	10	1715	1750	0.1972	0.0042	ppm	9M07G7D	24E	22.95
4	10	1715	1750	0.1574	0.0040	ppm	9M08W7D	24E	21.97
4	15	1717.5	1747.5	0.1862	0.0029	ppm	13M6G7D	24E	22.70
4	15	1717.5	1747.5	0.1614	0.0030	ppm	13M6W7D	24E	22.08
4	20	1720	1745	0.1897	0.0027	ppm	18M2G7D	24E	22.78
4	20	1720	1745	0.1722	0.0042	ppm	18M2W7D	24E	22.36