

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B66\_1.4MHz\_EIRP

### 1.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	23.06	0.18	23.24	<=30	Pass		
			2	23.20	0.18	23.38	<=30	Pass		
			5	23.00	0.18	23.18	<=30	Pass		
		3	0	23.10	0.18	23.28	<=30	Pass		
			2	23.14	0.18	23.32	<=30	Pass		
			3	23.13	0.18	23.31	<=30	Pass		
		6	0	21.98	0.18	22.16	<=30	Pass		
		1745	1	0	22.39	0.18	22.57	<=30	Pass	
				2	22.61	0.18	22.79	<=30	Pass	
	5			22.38	0.18	22.56	<=30	Pass		
	3		0	22.56	0.18	22.74	<=30	Pass		
			2	22.57	0.18	22.75	<=30	Pass		
			3	22.55	0.18	22.73	<=30	Pass		
	6	0	21.50	0.18	21.68	<=30	Pass			
	1779.3	1	0	22.08	0.18	22.26	<=30	Pass		
			2	22.23	0.18	22.41	<=30	Pass		
			5	22.05	0.18	22.23	<=30	Pass		
		3	0	22.23	0.18	22.41	<=30	Pass		
			2	22.22	0.18	22.4	<=30	Pass		
			3	22.19	0.18	22.37	<=30	Pass		
		6	0	21.15	0.18	21.33	<=30	Pass		
		16QAM	1710.7	1	0	22.02	0.18	22.2	<=30	Pass
					2	22.18	0.18	22.36	<=30	Pass
	5				22.05	0.18	22.23	<=30	Pass	
3	0			22.09	0.18	22.27	<=30	Pass		
	2			22.10	0.18	22.28	<=30	Pass		
	3			22.07	0.18	22.25	<=30	Pass		
6	0			21.11	0.18	21.29	<=30	Pass		
1745	1			0	21.86	0.18	22.04	<=30	Pass	
				2	21.99	0.18	22.17	<=30	Pass	
			5	21.85	0.18	22.03	<=30	Pass		
	3		0	21.76	0.18	21.94	<=30	Pass		
			2	21.76	0.18	21.94	<=30	Pass		
			3	21.70	0.18	21.88	<=30	Pass		
6	0		20.60	0.18	20.78	<=30	Pass			
1779.3	1		0	21.30	0.18	21.48	<=30	Pass		
			2	21.47	0.18	21.65	<=30	Pass		
			5	21.31	0.18	21.49	<=30	Pass		
	3		0	21.26	0.18	21.44	<=30	Pass		
			2	21.33	0.18	21.51	<=30	Pass		
			3	21.28	0.18	21.46	<=30	Pass		
	6		0	20.15	0.18	20.33	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B66\_3MHz\_EIRP

### 1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	22.96	0.18	23.14	<=30	Pass		
			7	22.94	0.18	23.12	<=30	Pass		
			14	22.95	0.18	23.13	<=30	Pass		
		8	0	21.99	0.18	22.17	<=30	Pass		
			4	21.98	0.18	22.16	<=30	Pass		
			7	21.98	0.18	22.16	<=30	Pass		
		15	0	22.01	0.18	22.19	<=30	Pass		
		1745	1	0	22.98	0.18	23.16	<=30	Pass	
				7	22.97	0.18	23.15	<=30	Pass	
	14			22.98	0.18	23.16	<=30	Pass		
	8		0	21.84	0.18	22.02	<=30	Pass		
			4	21.84	0.18	22.02	<=30	Pass		
			7	21.81	0.18	21.99	<=30	Pass		
	15		0	21.87	0.18	22.05	<=30	Pass		
	1778.5		1	0	22.99	0.18	23.17	<=30	Pass	
				7	22.96	0.18	23.14	<=30	Pass	
		14		22.96	0.18	23.14	<=30	Pass		
		8	0	21.97	0.18	22.15	<=30	Pass		
			4	21.92	0.18	22.1	<=30	Pass		
			7	21.93	0.18	22.11	<=30	Pass		
		15	0	21.98	0.18	22.16	<=30	Pass		
		16QAM	1711.5	1	0	22.03	0.18	22.21	<=30	Pass
					7	22.03	0.18	22.21	<=30	Pass
	14				22.01	0.18	22.19	<=30	Pass	
8	0			20.98	0.18	21.16	<=30	Pass		
	4			20.95	0.18	21.13	<=30	Pass		
	7			20.98	0.18	21.16	<=30	Pass		
15	0			20.95	0.18	21.13	<=30	Pass		
1745	1			0	21.93	0.18	22.11	<=30	Pass	
				7	21.88	0.18	22.06	<=30	Pass	
			14	21.87	0.18	22.05	<=30	Pass		
	8		0	20.79	0.18	20.97	<=30	Pass		
			4	20.79	0.18	20.97	<=30	Pass		
			7	20.78	0.18	20.96	<=30	Pass		
	15		0	20.89	0.18	21.07	<=30	Pass		
	1778.5		1	0	22.28	0.18	22.46	<=30	Pass	
				7	22.27	0.18	22.45	<=30	Pass	
14				22.32	0.18	22.5	<=30	Pass		
8			0	21.02	0.18	21.2	<=30	Pass		
			4	20.99	0.18	21.17	<=30	Pass		
			7	20.97	0.18	21.15	<=30	Pass		
15			0	20.98	0.18	21.16	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.3 B66\_5MHz\_EIRP

### 1.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1712.5	1	0	23.20	0.18	23.38	<=30	Pass		
			13	23.11	0.18	23.29	<=30	Pass		
			24	23.14	0.18	23.32	<=30	Pass		
		12	0	22.04	0.18	22.22	<=30	Pass		
			6	22.04	0.18	22.22	<=30	Pass		
			13	22.01	0.18	22.19	<=30	Pass		
		25	0	22.03	0.18	22.21	<=30	Pass		
		1745	1	0	22.96	0.18	23.14	<=30	Pass	
				13	22.86	0.18	23.04	<=30	Pass	
	24			22.91	0.18	23.09	<=30	Pass		
	12		0	21.87	0.18	22.05	<=30	Pass		
			6	21.86	0.18	22.04	<=30	Pass		
			13	21.85	0.18	22.03	<=30	Pass		
	25		0	21.88	0.18	22.06	<=30	Pass		
	1777.5		1	0	23.08	0.18	23.26	<=30	Pass	
				13	22.98	0.18	23.16	<=30	Pass	
		24		23.07	0.18	23.25	<=30	Pass		
		12	0	22.04	0.18	22.22	<=30	Pass		
			6	21.95	0.18	22.13	<=30	Pass		
			13	21.86	0.18	22.04	<=30	Pass		
		25	0	21.97	0.18	22.15	<=30	Pass		
		16QAM	1712.5	1	0	22.19	0.18	22.37	<=30	Pass
					13	22.10	0.18	22.28	<=30	Pass
	24				22.17	0.18	22.35	<=30	Pass	
12	0			21.03	0.18	21.21	<=30	Pass		
	6			21.04	0.18	21.22	<=30	Pass		
	13			21.00	0.18	21.18	<=30	Pass		
25	0			21.00	0.18	21.18	<=30	Pass		
1745	1			0	22.38	0.18	22.56	<=30	Pass	
				13	22.23	0.18	22.41	<=30	Pass	
			24	22.28	0.18	22.46	<=30	Pass		
	12		0	20.84	0.18	21.02	<=30	Pass		
			6	20.85	0.18	21.03	<=30	Pass		
			13	20.85	0.18	21.03	<=30	Pass		
	25		0	20.87	0.18	21.05	<=30	Pass		
	1777.5		1	0	21.99	0.18	22.17	<=30	Pass	
				13	21.88	0.18	22.06	<=30	Pass	
24				21.98	0.18	22.16	<=30	Pass		
12			0	21.14	0.18	21.32	<=30	Pass		
			6	21.00	0.18	21.18	<=30	Pass		
			13	20.90	0.18	21.08	<=30	Pass		
25			0	21.06	0.18	21.24	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.4 B66\_10MHz\_EIRP

### 1.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1715	1	0	22.96	0.18	23.14	<=30	Pass		
			25	23.15	0.18	23.33	<=30	Pass		
			49	22.86	0.18	23.04	<=30	Pass		
		25	0	21.94	0.18	22.12	<=30	Pass		
			13	21.98	0.18	22.16	<=30	Pass		
			25	21.96	0.18	22.14	<=30	Pass		
		50	0	21.96	0.18	22.14	<=30	Pass		
		1745	1	0	22.67	0.18	22.85	<=30	Pass	
				25	22.69	0.18	22.87	<=30	Pass	
	49			22.44	0.18	22.62	<=30	Pass		
	25		0	21.62	0.18	21.8	<=30	Pass		
			13	21.60	0.18	21.78	<=30	Pass		
			25	21.58	0.18	21.76	<=30	Pass		
	50		0	21.62	0.18	21.8	<=30	Pass		
	1775		1	0	22.04	0.18	22.22	<=30	Pass	
				25	22.22	0.18	22.4	<=30	Pass	
		49		22.07	0.18	22.25	<=30	Pass		
		25	0	21.25	0.18	21.43	<=30	Pass		
			13	21.19	0.18	21.37	<=30	Pass		
			25	21.10	0.18	21.28	<=30	Pass		
		50	0	21.20	0.18	21.38	<=30	Pass		
		16QAM	1715	1	0	22.13	0.18	22.31	<=30	Pass
					25	22.29	0.18	22.47	<=30	Pass
	49				22.05	0.18	22.23	<=30	Pass	
25	0			20.99	0.18	21.17	<=30	Pass		
	13			21.06	0.18	21.24	<=30	Pass		
	25			21.01	0.18	21.19	<=30	Pass		
50	0			20.97	0.18	21.15	<=30	Pass		
1745	1			0	21.64	0.18	21.82	<=30	Pass	
				25	21.81	0.18	21.99	<=30	Pass	
			49	21.51	0.18	21.69	<=30	Pass		
	25		0	20.71	0.18	20.89	<=30	Pass		
			13	20.68	0.18	20.86	<=30	Pass		
			25	20.66	0.18	20.84	<=30	Pass		
	50		0	20.67	0.18	20.85	<=30	Pass		
	1775		1	0	21.25	0.18	21.43	<=30	Pass	
				25	21.47	0.18	21.65	<=30	Pass	
49				21.30	0.18	21.48	<=30	Pass		
25			0	20.32	0.18	20.5	<=30	Pass		
			13	20.26	0.18	20.44	<=30	Pass		
			25	20.23	0.18	20.41	<=30	Pass		
50			0	20.23	0.18	20.41	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.5 B66\_15MHz\_EIRP

### 1.5.1 Test Result

Band: 66 / 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	22.87	0.18	23.05	<=30	Pass		
			38	22.92	0.18	23.1	<=30	Pass		
			74	22.66	0.18	22.84	<=30	Pass		
		36	0	21.92	0.18	22.1	<=30	Pass		
			18	21.95	0.18	22.13	<=30	Pass		
			39	21.84	0.18	22.02	<=30	Pass		
		75	0	21.89	0.18	22.07	<=30	Pass		
		1745	1	0	22.57	0.18	22.75	<=30	Pass	
				38	22.56	0.18	22.74	<=30	Pass	
	74			22.24	0.18	22.42	<=30	Pass		
	36		0	21.53	0.18	21.71	<=30	Pass		
			18	21.56	0.18	21.74	<=30	Pass		
			39	21.49	0.18	21.67	<=30	Pass		
	75		0	21.52	0.18	21.7	<=30	Pass		
	1772.5		1	0	22.01	0.18	22.19	<=30	Pass	
				38	22.11	0.18	22.29	<=30	Pass	
		74		21.95	0.18	22.13	<=30	Pass		
		36	0	21.26	0.18	21.44	<=30	Pass		
			18	21.23	0.18	21.41	<=30	Pass		
			39	21.13	0.18	21.31	<=30	Pass		
		75	0	21.21	0.18	21.39	<=30	Pass		
		16QAM	1717.5	1	0	22.31	0.18	22.49	<=30	Pass
					38	22.37	0.18	22.55	<=30	Pass
	74				22.08	0.18	22.26	<=30	Pass	
36	0			20.89	0.18	21.07	<=30	Pass		
	18			20.91	0.18	21.09	<=30	Pass		
	39			20.82	0.18	21	<=30	Pass		
75	0			20.91	0.18	21.09	<=30	Pass		
1745	1			0	21.56	0.18	21.74	<=30	Pass	
				38	21.64	0.18	21.82	<=30	Pass	
			74	21.32	0.18	21.5	<=30	Pass		
	36		0	20.59	0.18	20.77	<=30	Pass		
			18	20.58	0.18	20.76	<=30	Pass		
			39	20.51	0.18	20.69	<=30	Pass		
	75		0	20.57	0.18	20.75	<=30	Pass		
	1772.5		1	0	21.19	0.18	21.37	<=30	Pass	
				38	21.32	0.18	21.5	<=30	Pass	
74				21.14	0.18	21.32	<=30	Pass		
36			0	20.25	0.18	20.43	<=30	Pass		
			18	20.23	0.18	20.41	<=30	Pass		
			39	20.13	0.18	20.31	<=30	Pass		
75			0	20.18	0.18	20.36	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.6 B66\_20MHz\_EIRP

### 1.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1720	1	0	22.76	0.18	22.94	<=30	Pass		
			50	23.05	0.18	23.23	<=30	Pass		
			99	22.51	0.18	22.69	<=30	Pass		
		50	0	21.85	0.18	22.03	<=30	Pass		
			25	21.88	0.18	22.06	<=30	Pass		
			50	21.78	0.18	21.96	<=30	Pass		
		100	0	21.81	0.18	21.99	<=30	Pass		
		1745	1	0	22.35	0.18	22.53	<=30	Pass	
				50	22.56	0.18	22.74	<=30	Pass	
	99			21.98	0.18	22.16	<=30	Pass		
	50		0	21.64	0.18	21.82	<=30	Pass		
			25	21.58	0.18	21.76	<=30	Pass		
			50	21.51	0.18	21.69	<=30	Pass		
	100		0	21.54	0.18	21.72	<=30	Pass		
	1770		1	0	21.89	0.18	22.07	<=30	Pass	
				50	22.26	0.18	22.44	<=30	Pass	
		99		21.85	0.18	22.03	<=30	Pass		
		50	0	21.21	0.18	21.39	<=30	Pass		
			25	21.15	0.18	21.33	<=30	Pass		
			50	21.01	0.18	21.19	<=30	Pass		
		100	0	21.12	0.18	21.3	<=30	Pass		
		16QAM	1720	1	0	21.95	0.18	22.13	<=30	Pass
					50	22.19	0.18	22.37	<=30	Pass
	99				21.72	0.18	21.9	<=30	Pass	
50	0			20.90	0.18	21.08	<=30	Pass		
	25			20.95	0.18	21.13	<=30	Pass		
	50			20.85	0.18	21.03	<=30	Pass		
100	0			20.91	0.18	21.09	<=30	Pass		
1745	1			0	21.81	0.18	21.99	<=30	Pass	
				50	22.10	0.18	22.28	<=30	Pass	
			99	21.46	0.18	21.64	<=30	Pass		
	50		0	20.73	0.18	20.91	<=30	Pass		
			25	20.63	0.18	20.81	<=30	Pass		
			50	20.55	0.18	20.73	<=30	Pass		
	100		0	20.66	0.18	20.84	<=30	Pass		
	1770		1	0	21.10	0.18	21.28	<=30	Pass	
				50	21.44	0.18	21.62	<=30	Pass	
99				21.06	0.18	21.24	<=30	Pass		
50			0	20.23	0.18	20.41	<=30	Pass		
			25	20.17	0.18	20.35	<=30	Pass		
			50	20.09	0.18	20.27	<=30	Pass		
100			0	20.17	0.18	20.35	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 B66\_1.4MHz

2.1.1 Test Result

Band: 66 / 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	-2.103	-0.0012	-2.5 to 2.5	Pass
					3.85	0.529	0.0003	-2.5 to 2.5	Pass
					4.43	-5.207	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	1.631	0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.574	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				0	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
	50	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass			
	1745	6	0	20	3.27	4.935	0.0028	-2.5 to 2.5	Pass
					3.85	4.435	0.0025	-2.5 to 2.5	Pass
					4.43	7.982	0.0046	-2.5 to 2.5	Pass
				-30	3.85	3.848	0.0022	-2.5 to 2.5	Pass
				-20	3.85	3.276	0.0019	-2.5 to 2.5	Pass
				-10	3.85	5.207	0.0030	-2.5 to 2.5	Pass
				0	3.85	1.988	0.0011	-2.5 to 2.5	Pass
				10	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				40	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
	50	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass			
	1779.3	6	0	20	3.27	0.572	0.0003	-2.5 to 2.5	Pass
					3.85	1.388	0.0008	-2.5 to 2.5	Pass
					4.43	4.435	0.0025	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	3.920	0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				0	3.85	5.150	0.0029	-2.5 to 2.5	Pass
				10	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
30				3.85	-0.973	-0.0005	-2.5 to 2.5	Pass	
40				3.85	3.777	0.0021	-2.5 to 2.5	Pass	
50	3.85	9.112	0.0051	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-1.016	-0.0006	-2.5 to 2.5	Pass
					3.85	0.572	0.0003	-2.5 to 2.5	Pass
					4.43	-3.290	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-5.951	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				0	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.372	0.0002	-2.5 to 2.5	Pass
	50	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass			
	1745	6	0	20	3.27	-0.529	-0.0003	-2.5 to 2.5	Pass
					3.85	1.144	0.0007	-2.5 to 2.5	Pass
					4.43	2.160	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.472	0.0003	-2.5 to 2.5	Pass

				10	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				30	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				40	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				50	3.85	8.512	0.0049	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-0.930	-0.0005	-2.5 to 2.5	Pass
					3.85	4.764	0.0027	-2.5 to 2.5	Pass
					4.43	4.778	0.0027	-2.5 to 2.5	Pass
				-30	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				-20	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				-10	3.85	4.420	0.0025	-2.5 to 2.5	Pass
				0	3.85	6.452	0.0036	-2.5 to 2.5	Pass
				10	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				30	3.85	5.865	0.0033	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0006	-2.5 to 2.5	Pass
				50	3.85	1.659	0.0009	-2.5 to 2.5	Pass

## 2.2 B66\_3MHz

### 2.2.1 Test Result

Band: 66 / 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	1.531	0.0009	-2.5 to 2.5	Pass
					3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
					4.43	4.306	0.0025	-2.5 to 2.5	Pass
				-30	3.85	4.807	0.0028	-2.5 to 2.5	Pass
				-20	3.85	6.251	0.0037	-2.5 to 2.5	Pass
				-10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				10	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				40	3.85	2.546	0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				1745	15	0	20	3.27	4.249
	3.85	5.593	0.0032					-2.5 to 2.5	Pass
	4.43	6.881	0.0039					-2.5 to 2.5	Pass
	-30	3.85	6.309				0.0036	-2.5 to 2.5	Pass
	-20	3.85	9.255				0.0053	-2.5 to 2.5	Pass
	-10	3.85	4.950				0.0028	-2.5 to 2.5	Pass
	0	3.85	1.330				0.0008	-2.5 to 2.5	Pass
	10	3.85	6.123				0.0035	-2.5 to 2.5	Pass
	30	3.85	2.389				0.0014	-2.5 to 2.5	Pass
	40	3.85	2.460				0.0014	-2.5 to 2.5	Pass
	50	3.85	4.063				0.0023	-2.5 to 2.5	Pass
	1778.5	15	0				20	3.27	2.546
				3.85	5.264	0.0030		-2.5 to 2.5	Pass
				4.43	3.562	0.0020		-2.5 to 2.5	Pass
				-30	3.85	4.263	0.0024	-2.5 to 2.5	Pass
				-20	3.85	3.362	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				0	3.85	6.566	0.0037	-2.5 to 2.5	Pass
				10	3.85	3.304	0.0019	-2.5 to 2.5	Pass
				30	3.85	8.097	0.0046	-2.5 to 2.5	Pass
				40	3.85	1.402	0.0008	-2.5 to 2.5	Pass



				50	3.85	5.593	0.0031	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-0.916	-0.0005	-2.5 to 2.5	Pass
					3.85	1.073	0.0006	-2.5 to 2.5	Pass
					4.43	0.744	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	3.991	0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.944	-0.0006	-2.5 to 2.5	Pass
				0	3.85	5.608	0.0033	-2.5 to 2.5	Pass
				10	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.173	0.0007	-2.5 to 2.5	Pass
	50	3.85	5.565	0.0033	-2.5 to 2.5	Pass			
	1745	15	0	20	3.27	3.633	0.0021	-2.5 to 2.5	Pass
					3.85	3.004	0.0017	-2.5 to 2.5	Pass
					4.43	8.655	0.0050	-2.5 to 2.5	Pass
				-30	3.85	5.951	0.0034	-2.5 to 2.5	Pass
				-20	3.85	6.838	0.0039	-2.5 to 2.5	Pass
				-10	3.85	4.220	0.0024	-2.5 to 2.5	Pass
				0	3.85	2.432	0.0014	-2.5 to 2.5	Pass
				10	3.85	5.665	0.0032	-2.5 to 2.5	Pass
				30	3.85	4.420	0.0025	-2.5 to 2.5	Pass
				40	3.85	7.410	0.0042	-2.5 to 2.5	Pass
	50	3.85	8.998	0.0052	-2.5 to 2.5	Pass			
	1778.5	15	0	20	3.27	3.791	0.0021	-2.5 to 2.5	Pass
					3.85	0.372	0.0002	-2.5 to 2.5	Pass
					4.43	2.232	0.0013	-2.5 to 2.5	Pass
				-30	3.85	4.191	0.0024	-2.5 to 2.5	Pass
				-20	3.85	4.606	0.0026	-2.5 to 2.5	Pass
				-10	3.85	4.878	0.0027	-2.5 to 2.5	Pass
				0	3.85	4.120	0.0023	-2.5 to 2.5	Pass
				10	3.85	1.903	0.0011	-2.5 to 2.5	Pass
30				3.85	5.336	0.0030	-2.5 to 2.5	Pass	
40				3.85	1.087	0.0006	-2.5 to 2.5	Pass	
50	3.85	5.379	0.0030	-2.5 to 2.5	Pass				

## 2.3 B66\_5MHz

### 2.3.1 Test Result

Band: 66 / 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	3.047	0.0018	-2.5 to 2.5	Pass
					3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	2.489	0.0015	-2.5 to 2.5	Pass
				-20	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				-10	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	3.85	2.174	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.802	0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
	50	3.85	0.787	0.0005	-2.5 to 2.5	Pass			
	1745	25	0	20	3.27	3.705	0.0021	-2.5 to 2.5	Pass
					3.85	4.692	0.0027	-2.5 to 2.5	Pass

					4.43	1.888	0.0011	-2.5 to 2.5	Pass
				-30	3.85	1.702	0.0010	-2.5 to 2.5	Pass
				-20	3.85	4.249	0.0024	-2.5 to 2.5	Pass
				-10	3.85	6.223	0.0036	-2.5 to 2.5	Pass
				0	3.85	4.535	0.0026	-2.5 to 2.5	Pass
				10	3.85	4.764	0.0027	-2.5 to 2.5	Pass
				30	3.85	8.984	0.0051	-2.5 to 2.5	Pass
				40	3.85	4.992	0.0029	-2.5 to 2.5	Pass
				50	3.85	5.064	0.0029	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-2.232	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
					4.43	0.486	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.501	0.0003	-2.5 to 2.5	Pass
40	3.85	1.030	0.0006	-2.5 to 2.5	Pass				
50	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass				
16QAM	1712.5	25	0	20	3.27	3.176	0.0019	-2.5 to 2.5	Pass
					3.85	3.419	0.0020	-2.5 to 2.5	Pass
					4.43	2.990	0.0017	-2.5 to 2.5	Pass
				-30	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				-20	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				-10	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				0	3.85	4.392	0.0026	-2.5 to 2.5	Pass
				10	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				40	3.85	3.362	0.0020	-2.5 to 2.5	Pass
				50	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				1745	25	0	20	3.27	6.237
	3.85	6.824	0.0039					-2.5 to 2.5	Pass
	4.43	2.189	0.0013					-2.5 to 2.5	Pass
	-30	3.85	2.146				0.0012	-2.5 to 2.5	Pass
	-20	3.85	2.460				0.0014	-2.5 to 2.5	Pass
	-10	3.85	3.719				0.0021	-2.5 to 2.5	Pass
	0	3.85	4.821				0.0028	-2.5 to 2.5	Pass
	10	3.85	1.445				0.0008	-2.5 to 2.5	Pass
	30	3.85	4.764				0.0027	-2.5 to 2.5	Pass
	40	3.85	4.635				0.0027	-2.5 to 2.5	Pass
	50	3.85	6.337				0.0036	-2.5 to 2.5	Pass
	1777.5	25	0				20	3.27	2.217
				3.85	-0.629	-0.0004		-2.5 to 2.5	Pass
				4.43	-1.774	-0.0010		-2.5 to 2.5	Pass
				-30	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				0	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				10	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.443	-0.0002	-2.5 to 2.5	Pass

2.4 B66\_10MHz

2.4.1 Test Result

Band: 66 / 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	4.177	0.0024	-2.5 to 2.5	Pass
					3.85	5.507	0.0032	-2.5 to 2.5	Pass
					4.43	3.490	0.0020	-2.5 to 2.5	Pass
				-30	3.85	4.735	0.0028	-2.5 to 2.5	Pass
				-20	3.85	5.393	0.0031	-2.5 to 2.5	Pass
				-10	3.85	3.390	0.0020	-2.5 to 2.5	Pass
				0	3.85	4.478	0.0026	-2.5 to 2.5	Pass
				10	3.85	6.466	0.0038	-2.5 to 2.5	Pass
				30	3.85	5.836	0.0034	-2.5 to 2.5	Pass
				40	3.85	5.679	0.0033	-2.5 to 2.5	Pass
	50	3.85	4.406	0.0026	-2.5 to 2.5	Pass			
	1745	50	0	20	3.27	3.619	0.0021	-2.5 to 2.5	Pass
					3.85	4.578	0.0026	-2.5 to 2.5	Pass
					4.43	5.193	0.0030	-2.5 to 2.5	Pass
				-30	3.85	4.792	0.0027	-2.5 to 2.5	Pass
				-20	3.85	5.178	0.0030	-2.5 to 2.5	Pass
				-10	3.85	8.340	0.0048	-2.5 to 2.5	Pass
				0	3.85	7.253	0.0042	-2.5 to 2.5	Pass
				10	3.85	5.608	0.0032	-2.5 to 2.5	Pass
				30	3.85	4.377	0.0025	-2.5 to 2.5	Pass
				40	3.85	4.506	0.0026	-2.5 to 2.5	Pass
	50	3.85	4.177	0.0024	-2.5 to 2.5	Pass			
	1775	50	0	20	3.27	6.995	0.0039	-2.5 to 2.5	Pass
					3.85	4.878	0.0027	-2.5 to 2.5	Pass
					4.43	3.161	0.0018	-2.5 to 2.5	Pass
				-30	3.85	4.792	0.0027	-2.5 to 2.5	Pass
				-20	3.85	4.320	0.0024	-2.5 to 2.5	Pass
				-10	3.85	1.831	0.0010	-2.5 to 2.5	Pass
				0	3.85	3.462	0.0020	-2.5 to 2.5	Pass
				10	3.85	2.203	0.0012	-2.5 to 2.5	Pass
30				3.85	4.663	0.0026	-2.5 to 2.5	Pass	
40				3.85	5.794	0.0033	-2.5 to 2.5	Pass	
50	3.85	1.502	0.0008	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	3.27	5.078	0.0030	-2.5 to 2.5	Pass
					3.85	6.166	0.0036	-2.5 to 2.5	Pass
					4.43	5.007	0.0029	-2.5 to 2.5	Pass
				-30	3.85	5.136	0.0030	-2.5 to 2.5	Pass
				-20	3.85	4.663	0.0027	-2.5 to 2.5	Pass
				-10	3.85	5.951	0.0035	-2.5 to 2.5	Pass
				0	3.85	6.709	0.0039	-2.5 to 2.5	Pass
				10	3.85	6.523	0.0038	-2.5 to 2.5	Pass
				30	3.85	4.921	0.0029	-2.5 to 2.5	Pass
				40	3.85	4.678	0.0027	-2.5 to 2.5	Pass
	50	3.85	4.621	0.0027	-2.5 to 2.5	Pass			
	1745	50	0	20	3.27	4.148	0.0024	-2.5 to 2.5	Pass
					3.85	5.765	0.0033	-2.5 to 2.5	Pass
					4.43	3.948	0.0023	-2.5 to 2.5	Pass
				-30	3.85	4.649	0.0027	-2.5 to 2.5	Pass
				-20	3.85	6.166	0.0035	-2.5 to 2.5	Pass
				-10	3.85	3.676	0.0021	-2.5 to 2.5	Pass
				0	3.85	3.662	0.0021	-2.5 to 2.5	Pass

				10	3.85	3.777	0.0022	-2.5 to 2.5	Pass
				30	3.85	3.519	0.0020	-2.5 to 2.5	Pass
				40	3.85	3.734	0.0021	-2.5 to 2.5	Pass
				50	3.85	4.764	0.0027	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	2.804	0.0016	-2.5 to 2.5	Pass
					3.85	5.136	0.0029	-2.5 to 2.5	Pass
					4.43	4.191	0.0024	-2.5 to 2.5	Pass
				-30	3.85	5.407	0.0030	-2.5 to 2.5	Pass
				-20	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				-10	3.85	8.111	0.0046	-2.5 to 2.5	Pass
				0	3.85	5.450	0.0031	-2.5 to 2.5	Pass
				10	3.85	3.791	0.0021	-2.5 to 2.5	Pass
				30	3.85	4.449	0.0025	-2.5 to 2.5	Pass
				40	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				50	3.85	2.804	0.0016	-2.5 to 2.5	Pass

## 2.5 B66\_15MHz

### 2.5.1 Test Result

Band: 66 / 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	4.034	0.0023	-2.5 to 2.5	Pass
					3.85	5.207	0.0030	-2.5 to 2.5	Pass
					4.43	4.048	0.0024	-2.5 to 2.5	Pass
				-30	3.85	5.536	0.0032	-2.5 to 2.5	Pass
				-20	3.85	2.804	0.0016	-2.5 to 2.5	Pass
				-10	3.85	3.691	0.0021	-2.5 to 2.5	Pass
				0	3.85	3.290	0.0019	-2.5 to 2.5	Pass
				10	3.85	3.633	0.0021	-2.5 to 2.5	Pass
				30	3.85	2.489	0.0014	-2.5 to 2.5	Pass
				40	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				50	3.85	4.020	0.0023	-2.5 to 2.5	Pass
				1745	75	0	20	3.27	6.094
	3.85	5.221	0.0030					-2.5 to 2.5	Pass
	4.43	4.864	0.0028					-2.5 to 2.5	Pass
	-30	3.85	6.337				0.0036	-2.5 to 2.5	Pass
	-20	3.85	6.981				0.0040	-2.5 to 2.5	Pass
	-10	3.85	7.153				0.0041	-2.5 to 2.5	Pass
	0	3.85	7.653				0.0044	-2.5 to 2.5	Pass
	10	3.85	6.509				0.0037	-2.5 to 2.5	Pass
	30	3.85	6.123				0.0035	-2.5 to 2.5	Pass
	40	3.85	6.752				0.0039	-2.5 to 2.5	Pass
	50	3.85	6.552				0.0038	-2.5 to 2.5	Pass
	1772.5	75	0				20	3.27	-0.029
				3.85	2.646	0.0015		-2.5 to 2.5	Pass
				4.43	1.431	0.0008		-2.5 to 2.5	Pass
				-30	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.973	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				30	3.85	2.947	0.0017	-2.5 to 2.5	Pass
				40	3.85	0.572	0.0003	-2.5 to 2.5	Pass

				50	3.85	0.558	0.0003	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	4.349	0.0025	-2.5 to 2.5	Pass
					3.85	0.358	0.0002	-2.5 to 2.5	Pass
					4.43	1.602	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.518	0.0015	-2.5 to 2.5	Pass
				-10	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				0	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
	50	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass			
	1745	75	0	20	3.27	6.080	0.0035	-2.5 to 2.5	Pass
					3.85	5.507	0.0032	-2.5 to 2.5	Pass
					4.43	5.980	0.0034	-2.5 to 2.5	Pass
				-30	3.85	4.106	0.0024	-2.5 to 2.5	Pass
				-20	3.85	7.739	0.0044	-2.5 to 2.5	Pass
				-10	3.85	7.138	0.0041	-2.5 to 2.5	Pass
				0	3.85	4.563	0.0026	-2.5 to 2.5	Pass
				10	3.85	7.167	0.0041	-2.5 to 2.5	Pass
				30	3.85	5.422	0.0031	-2.5 to 2.5	Pass
				40	3.85	6.666	0.0038	-2.5 to 2.5	Pass
	50	3.85	7.267	0.0042	-2.5 to 2.5	Pass			
	1772.5	75	0	20	3.27	1.988	0.0011	-2.5 to 2.5	Pass
					3.85	0.787	0.0004	-2.5 to 2.5	Pass
					4.43	0.701	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				0	3.85	1.316	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.359	0.0008	-2.5 to 2.5	Pass
30				3.85	1.802	0.0010	-2.5 to 2.5	Pass	
40				3.85	-0.129	-0.0001	-2.5 to 2.5	Pass	
50	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass				

## 2.6 B66\_20MHz

### 2.6.1 Test Result

Band: 66 / 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	-3.505	-0.0020	-2.5 to 2.5	Pass
					3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
					4.43	-1.688	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.302	-0.0008	-2.5 to 2.5	Pass
	50	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	4.120	0.0024	-2.5 to 2.5	Pass
					3.85	3.362	0.0019	-2.5 to 2.5	Pass

					4.43	2.947	0.0017	-2.5 to 2.5	Pass
				-30	3.85	4.878	0.0028	-2.5 to 2.5	Pass
				-20	3.85	4.134	0.0024	-2.5 to 2.5	Pass
				-10	3.85	3.977	0.0023	-2.5 to 2.5	Pass
				0	3.85	3.591	0.0021	-2.5 to 2.5	Pass
				10	3.85	3.462	0.0020	-2.5 to 2.5	Pass
				30	3.85	5.779	0.0033	-2.5 to 2.5	Pass
				40	3.85	4.463	0.0026	-2.5 to 2.5	Pass
				50	3.85	4.492	0.0026	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	5.522	0.0031	-2.5 to 2.5	Pass
					3.85	4.992	0.0028	-2.5 to 2.5	Pass
					4.43	4.721	0.0027	-2.5 to 2.5	Pass
				-30	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				-20	3.85	3.819	0.0022	-2.5 to 2.5	Pass
				-10	3.85	2.875	0.0016	-2.5 to 2.5	Pass
				0	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				10	3.85	2.375	0.0013	-2.5 to 2.5	Pass
30				3.85	3.905	0.0022	-2.5 to 2.5	Pass	
40	3.85	2.975	0.0017	-2.5 to 2.5	Pass				
50	3.85	3.204	0.0018	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.27	-1.760	-0.0010	-2.5 to 2.5	Pass
					3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
					4.43	-2.518	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				1745	100	0	20	3.27	4.864
	3.85	5.908	0.0034					-2.5 to 2.5	Pass
	4.43	4.048	0.0023					-2.5 to 2.5	Pass
	-30	3.85	4.234				0.0024	-2.5 to 2.5	Pass
	-20	3.85	3.004				0.0017	-2.5 to 2.5	Pass
	-10	3.85	5.350				0.0031	-2.5 to 2.5	Pass
	0	3.85	4.091				0.0023	-2.5 to 2.5	Pass
	10	3.85	3.934				0.0023	-2.5 to 2.5	Pass
	30	3.85	3.748				0.0021	-2.5 to 2.5	Pass
	40	3.85	4.663				0.0027	-2.5 to 2.5	Pass
	50	3.85	3.147				0.0018	-2.5 to 2.5	Pass
	1770	100	0				20	3.27	0.844
				3.85	0.329	0.0002		-2.5 to 2.5	Pass
				4.43	-1.974	-0.0011		-2.5 to 2.5	Pass
				-30	3.85	0.730	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
	40	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass			
	50	3.85	0.401	0.0002	-2.5 to 2.5	Pass			

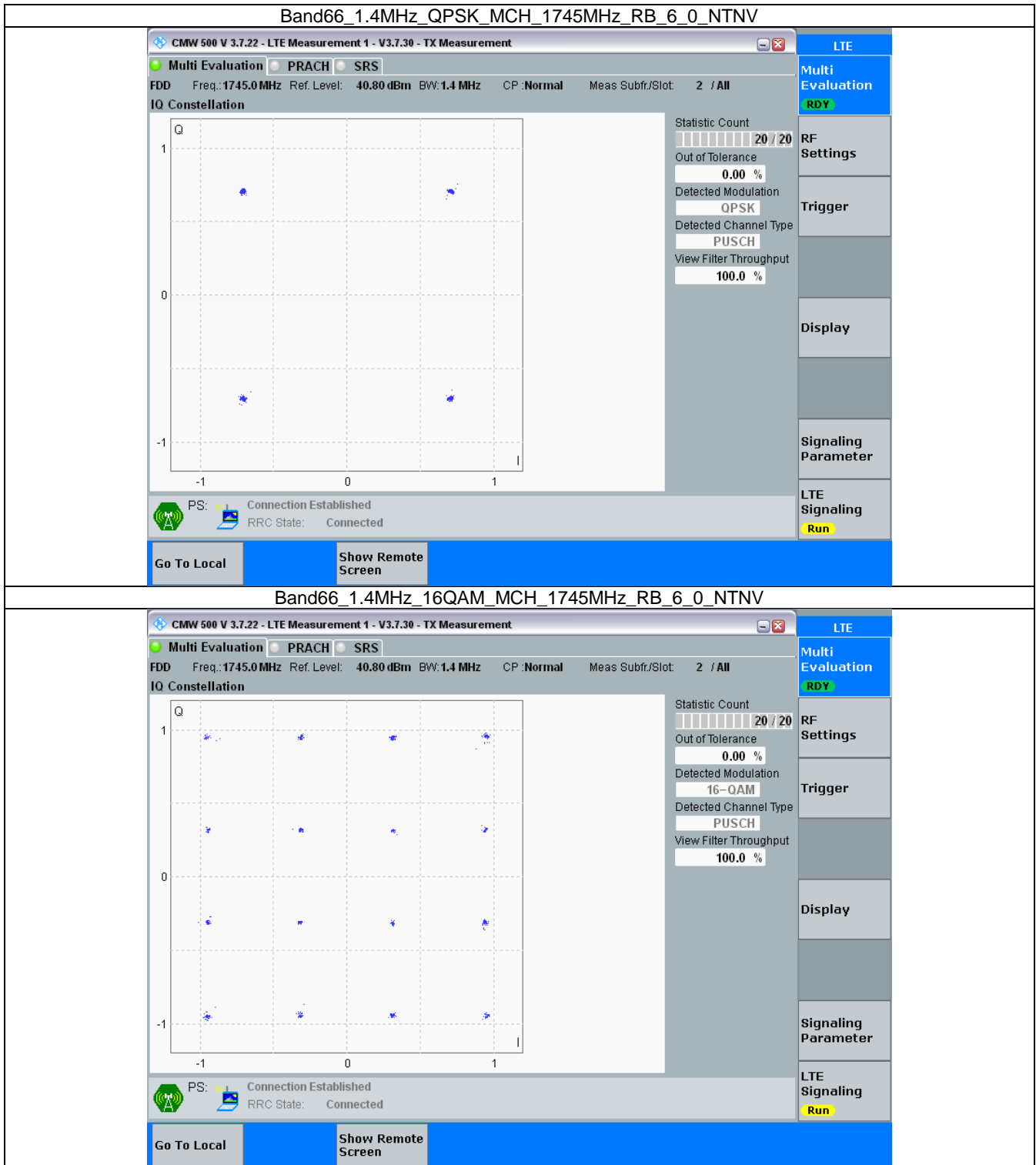
### 3. Modulation Characteristics

### 3.1 B66\_1.4MHz

#### 3.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	6	0	Refer To Test Graph		Pass
16QAM	1745	6	0	Refer To Test Graph		Pass

### 3.1.2 Test Graph



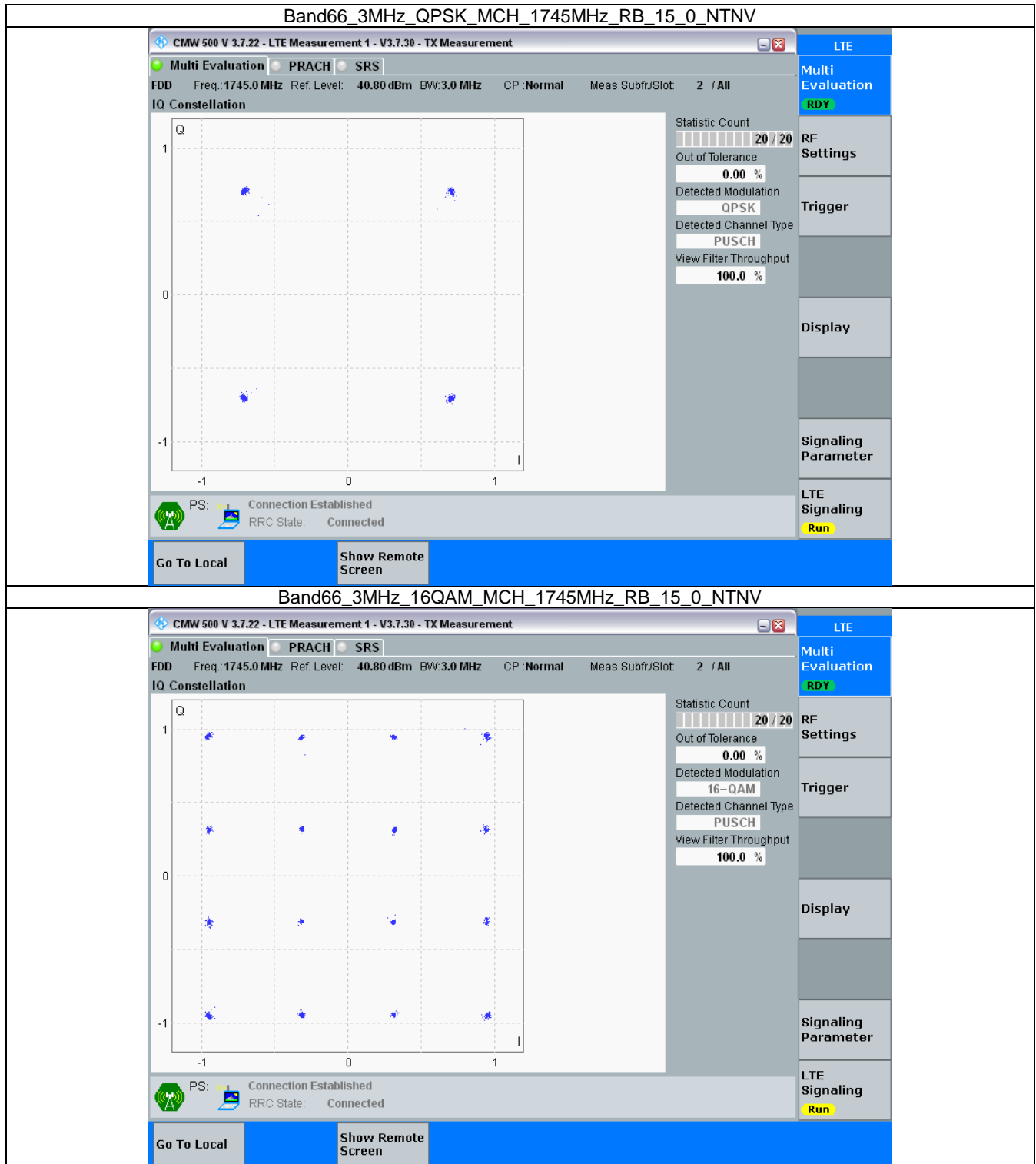


## 3.2 B66\_3MHz

### 3.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	15	0	Refer To Test Graph		Pass
16QAM	1745	15	0	Refer To Test Graph		Pass

### 3.2.2 Test Graph

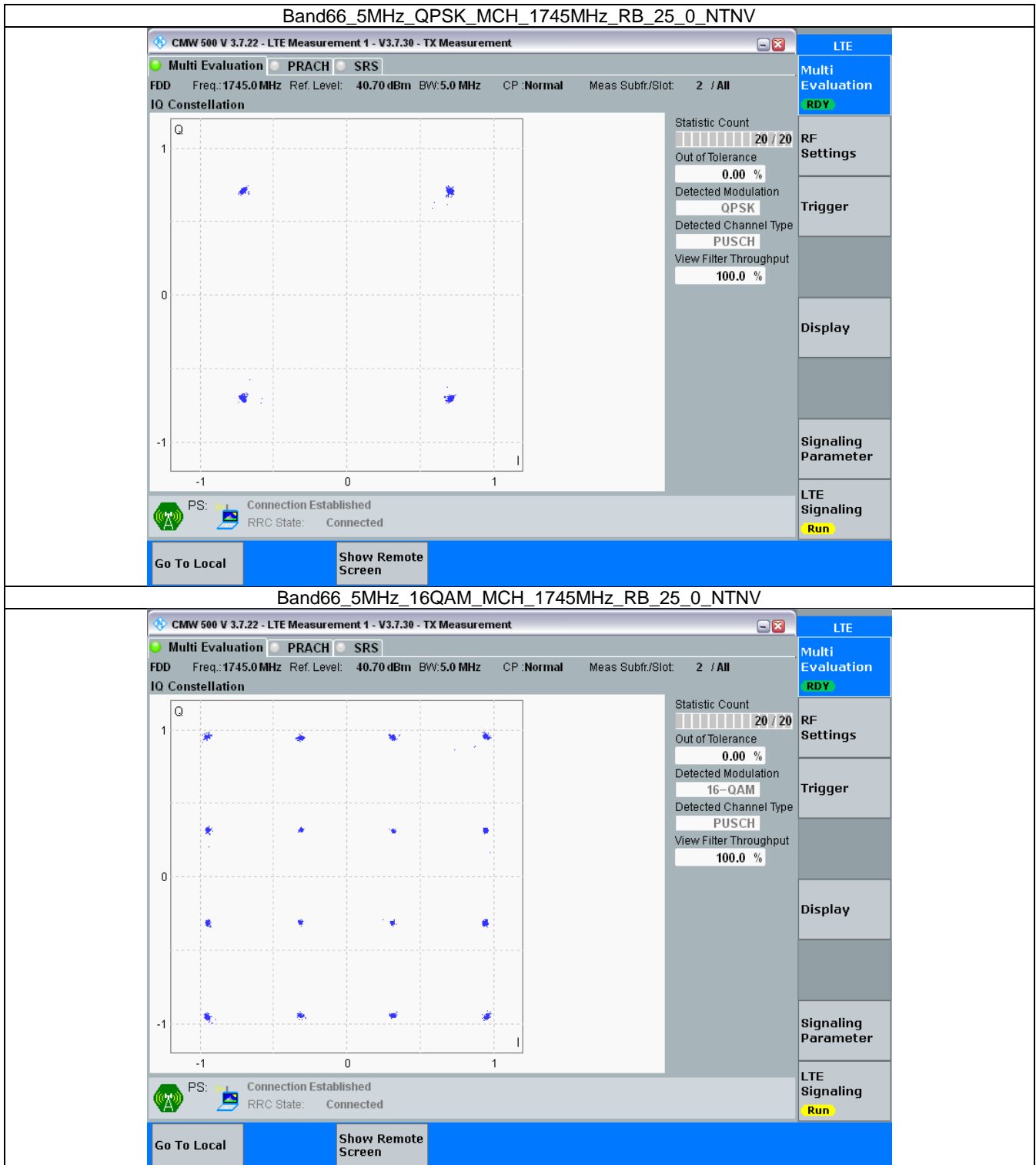


### 3.3 B66\_5MHz

#### 3.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	25	0	Refer To Test Graph		Pass
16QAM	1745	25	0	Refer To Test Graph		Pass

### 3.3.2 Test Graph

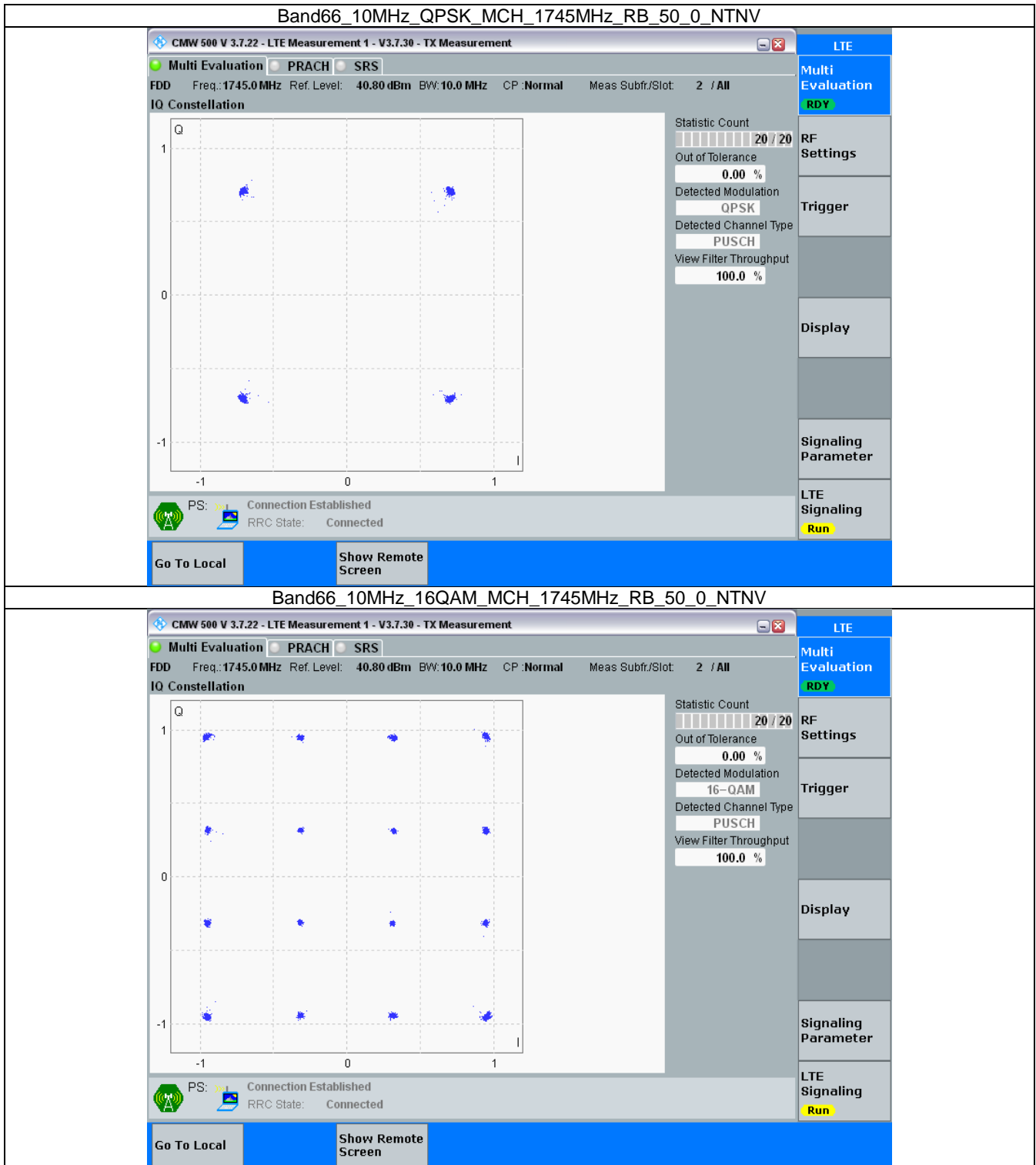


### 3.4 B66\_10MHz

#### 3.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	50	0	Refer To Test Graph		Pass
16QAM	1745	50	0	Refer To Test Graph		Pass

### 3.4.2 Test Graph



### 3.5 B66\_15MHz

#### 3.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	75	0	Refer To Test Graph		Pass
16QAM	1745	75	0	Refer To Test Graph		Pass

### 3.5.2 Test Graph

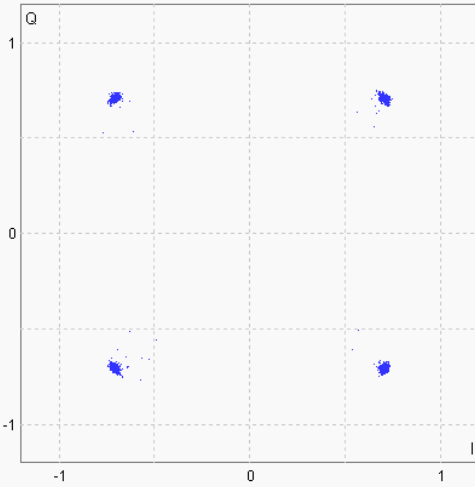
**Band66\_15MHz\_QPSK\_MCH\_1745MHz\_RB\_75\_0\_NTNV**

CMW 500 V 3.7.22 - LTE Measurement 1 - V3.7.30 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 1745.0 MHz Ref. Level: 40.70 dBm BW: 15.0 MHz CP: Normal Meas Subfr./Slot: 2 / All

**IQ Constellation**



Statistic Count: 20 / 20  
 Out of Tolerance: 0.00 %  
 Detected Modulation: QPSK  
 Detected Channel Type: PUSCH  
 View Filter Throughput: 100.0 %

PS: Connection Established  
 RRC State: Connected

Go To Local Show Remote Screen

LTE

Multi Evaluation **RDY**

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling **Run**

---

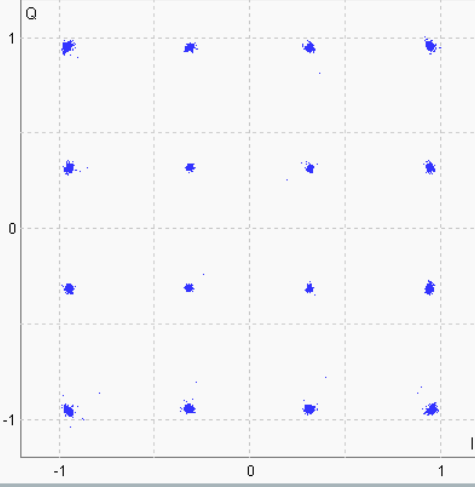
**Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV**

CMW 500 V 3.7.22 - LTE Measurement 1 - V3.7.30 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 1745.0 MHz Ref. Level: 40.70 dBm BW: 15.0 MHz CP: Normal Meas Subfr./Slot: 2 / All

**IQ Constellation**



Statistic Count: 20 / 20  
 Out of Tolerance: 0.00 %  
 Detected Modulation: 16-QAM  
 Detected Channel Type: PUSCH  
 View Filter Throughput: 100.0 %

PS: Connection Established  
 RRC State: Connected

Go To Local Show Remote Screen

LTE

Multi Evaluation **RDY**

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling **Run**

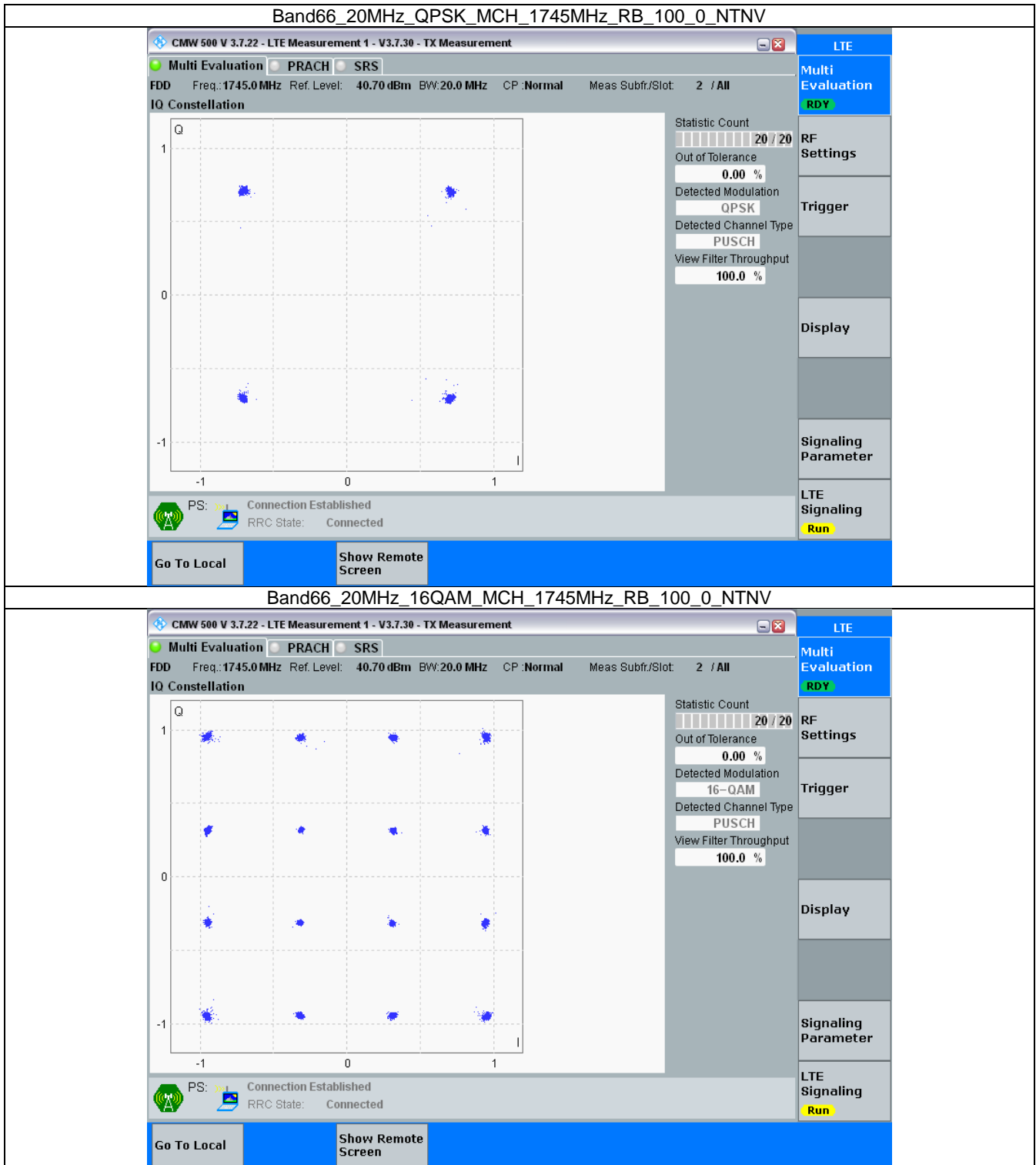


### 3.6 B66\_20MHz

#### 3.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	100	0	Refer To Test Graph		Pass
16QAM	1745	100	0	Refer To Test Graph		Pass

### 3.6.2 Test Graph



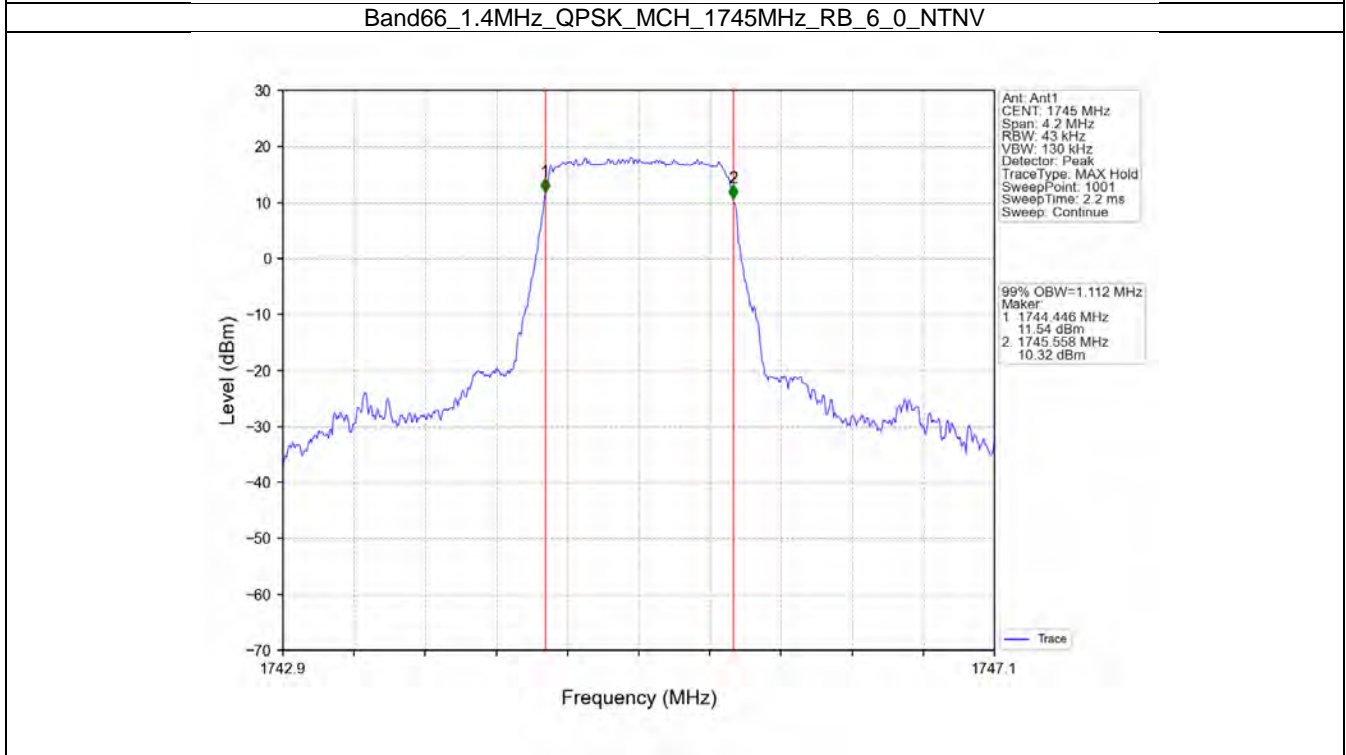
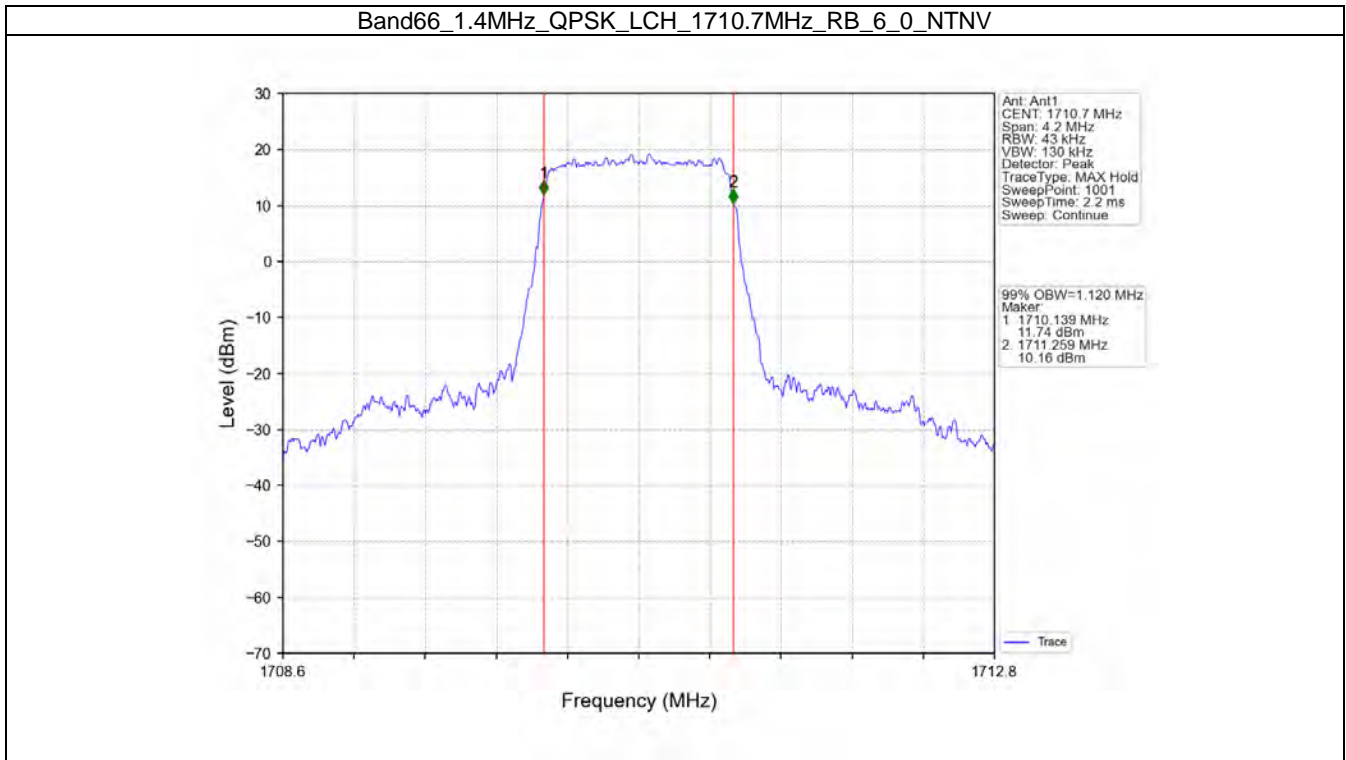
## 4. 99% & 26dB Bandwidth

### 4.1 Band66\_OBW

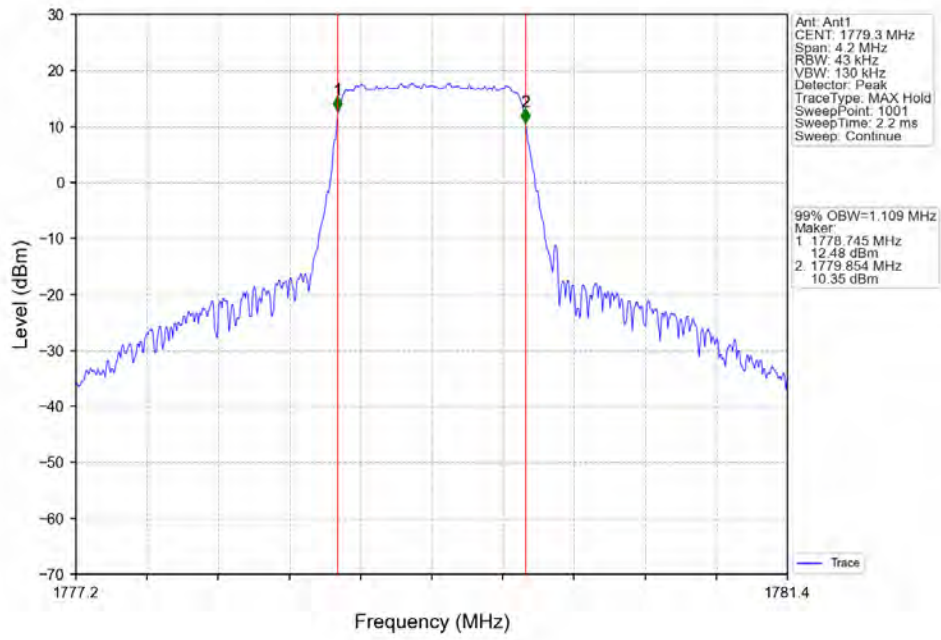
#### 4.1.1 Test Result

Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.120	Pass
		1745	6	0	1.112	Pass
		1779.3	6	0	1.109	Pass
	16QAM	1710.7	6	0	1.109	Pass
		1745	6	0	1.102	Pass
		1779.3	6	0	1.113	Pass
3	QPSK	1711.5	15	0	2.723	Pass
		1745	15	0	2.725	Pass
		1778.5	15	0	2.727	Pass
	16QAM	1711.5	15	0	2.724	Pass
		1745	15	0	2.715	Pass
		1778.5	15	0	2.727	Pass
5	QPSK	1712.5	25	0	4.565	Pass
		1745	25	0	4.573	Pass
		1777.5	25	0	4.567	Pass
	16QAM	1712.5	25	0	4.598	Pass
		1745	25	0	4.580	Pass
		1777.5	25	0	4.582	Pass
10	QPSK	1715	50	0	9.078	Pass
		1745	50	0	9.075	Pass
		1775	50	0	9.095	Pass
	16QAM	1715	50	0	9.086	Pass
		1745	50	0	9.081	Pass
		1775	50	0	9.077	Pass
15	QPSK	1717.5	75	0	13.600	Pass
		1745	75	0	13.622	Pass
		1772.5	75	0	13.617	Pass
	16QAM	1717.5	75	0	13.609	Pass
		1745	75	0	13.626	Pass
		1772.5	75	0	13.630	Pass
20	QPSK	1720	100	0	18.132	Pass
		1745	100	0	18.174	Pass
		1770	100	0	18.135	Pass
	16QAM	1720	100	0	18.127	Pass
		1745	100	0	18.183	Pass
		1770	100	0	18.143	Pass

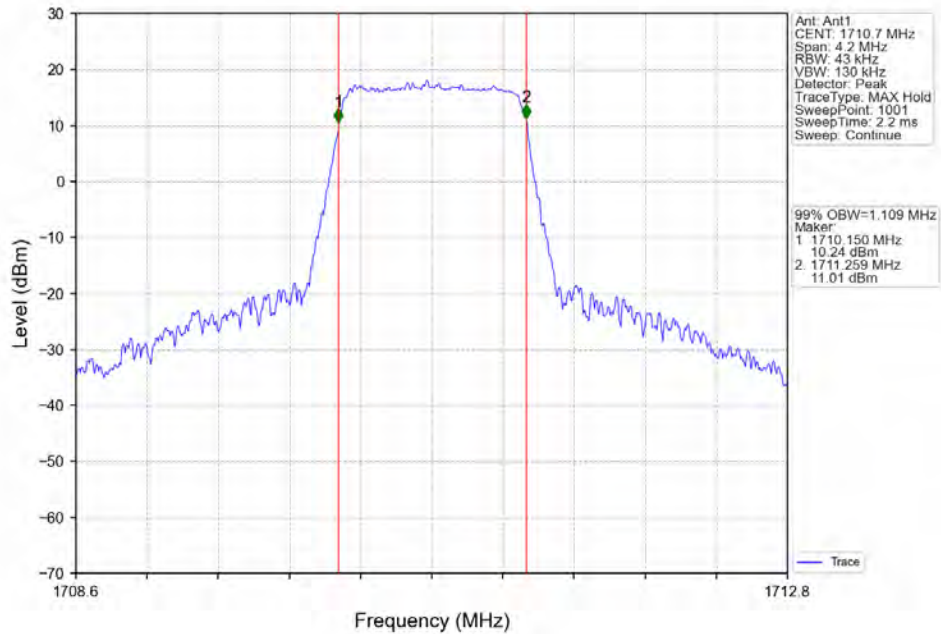
### 4.1.2 Test Graph



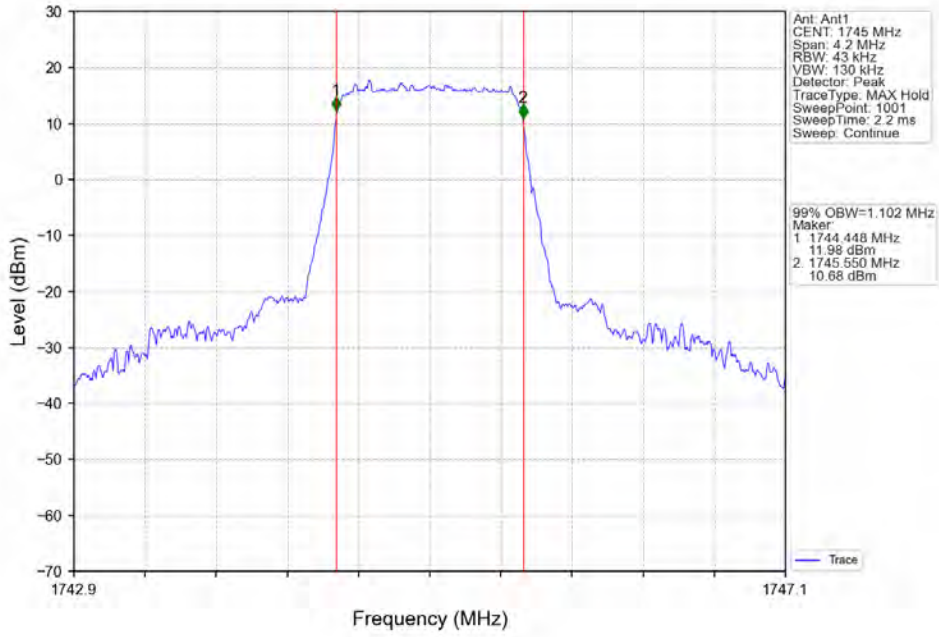
Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



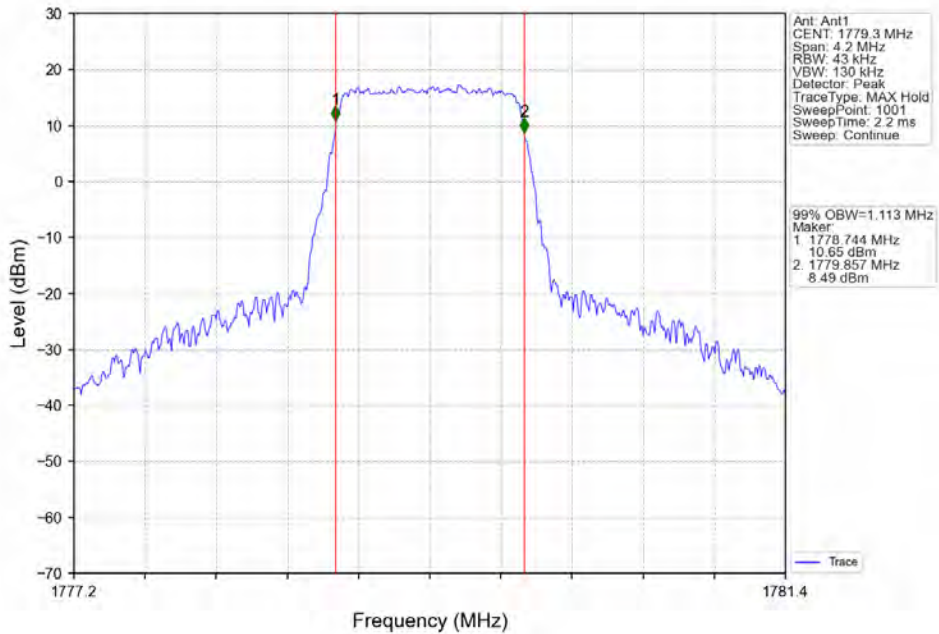
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



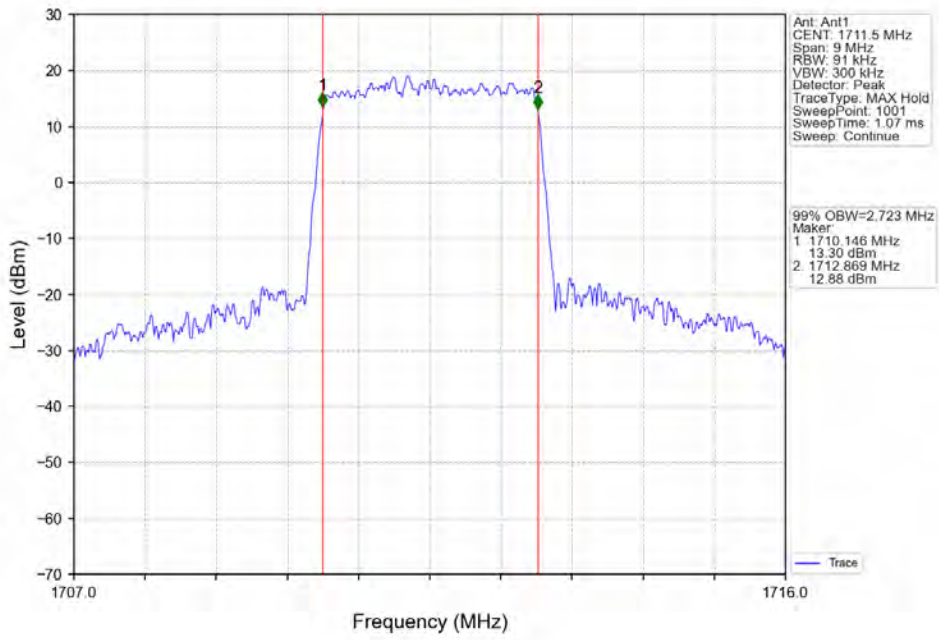
Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV



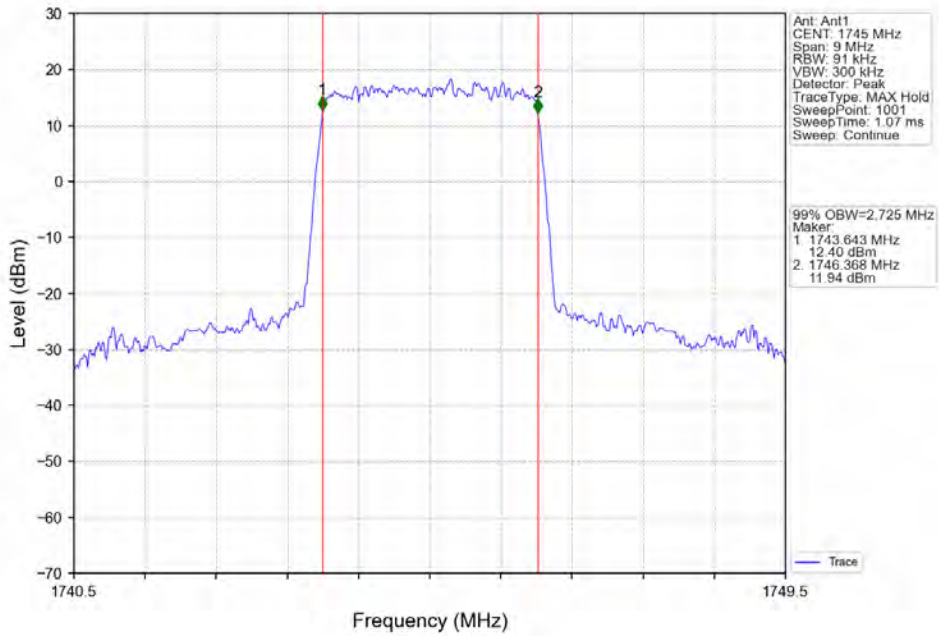
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



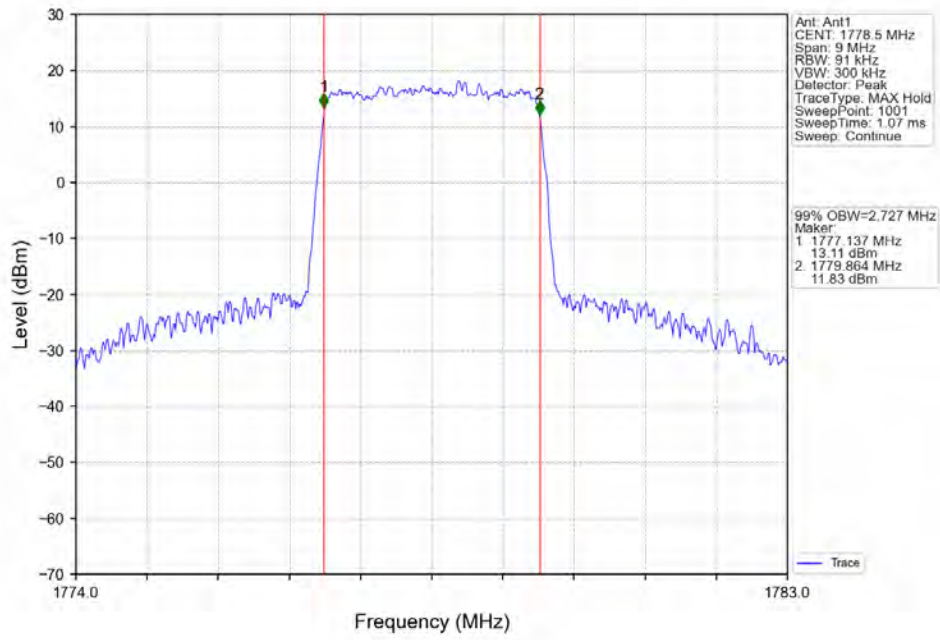
Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



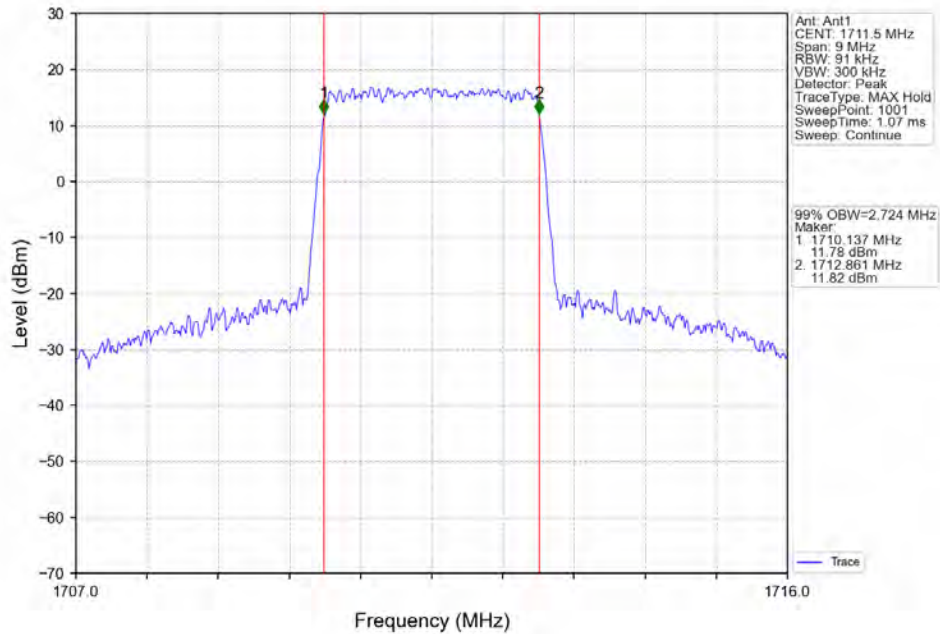
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV



Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV

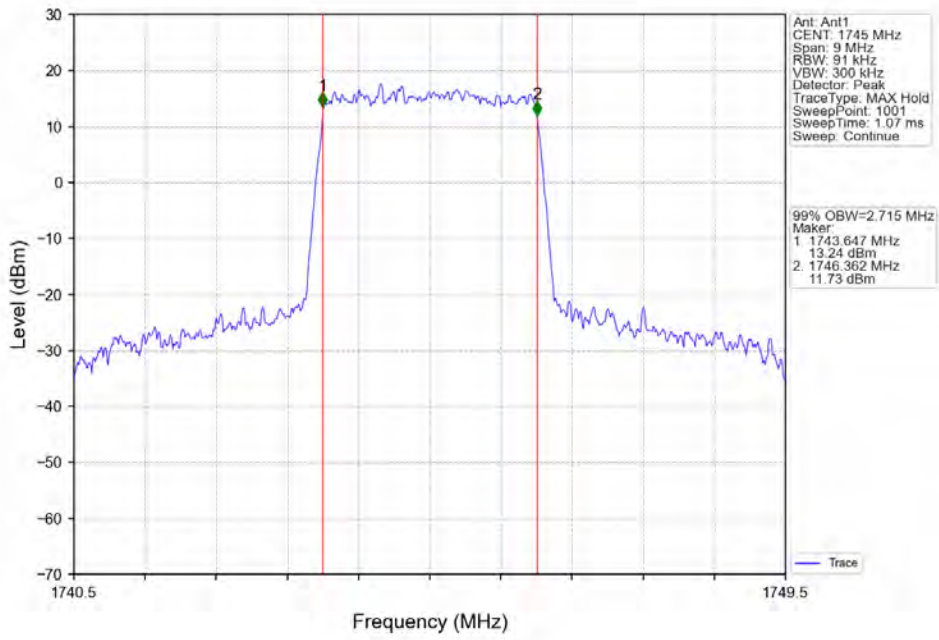


Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

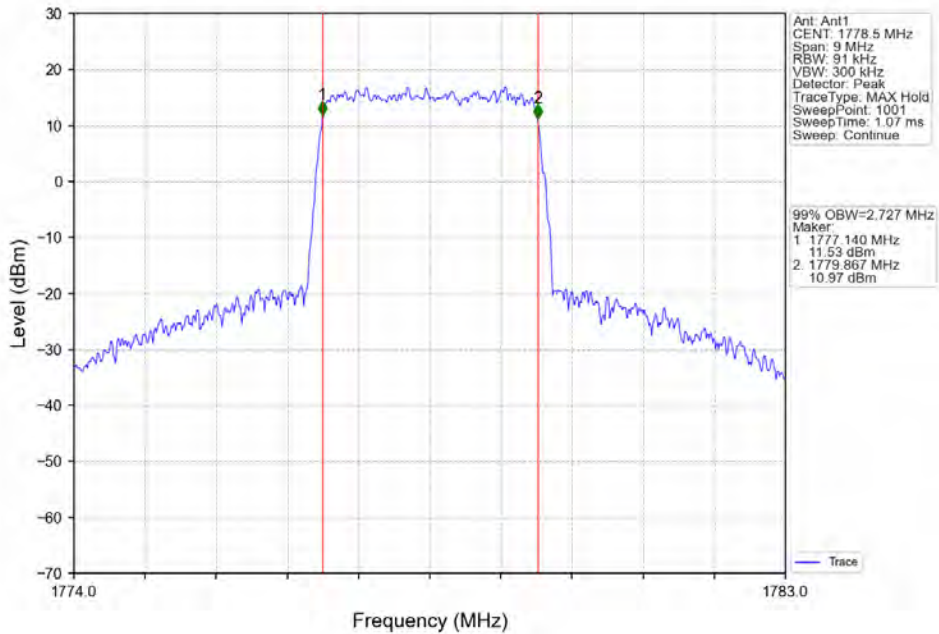




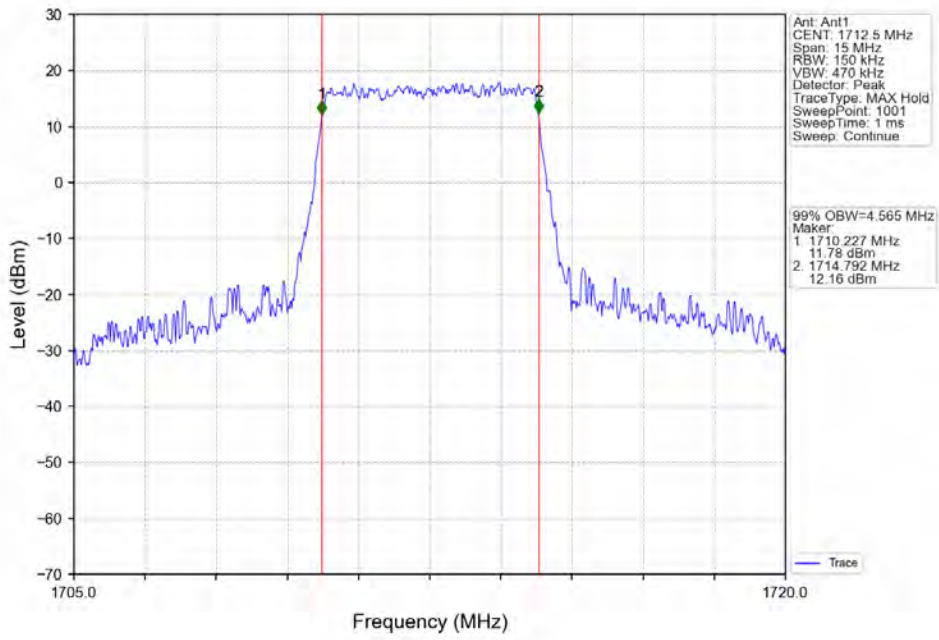
Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



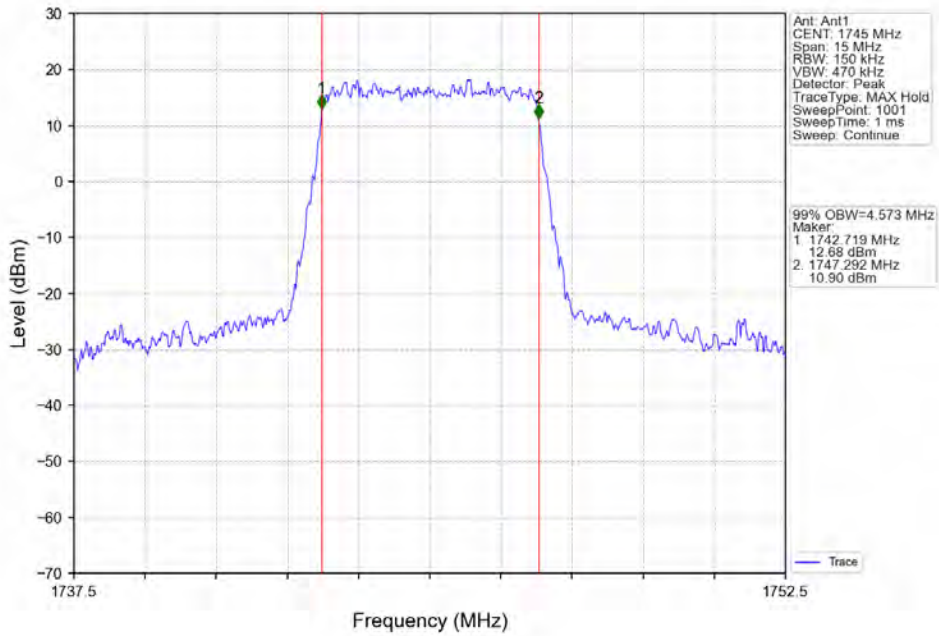
Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



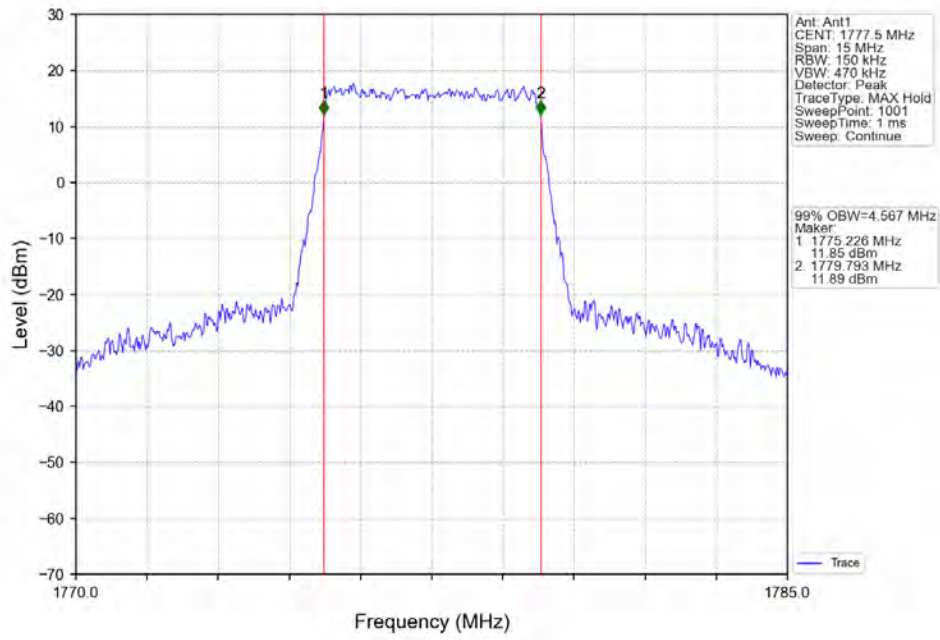
Band66\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



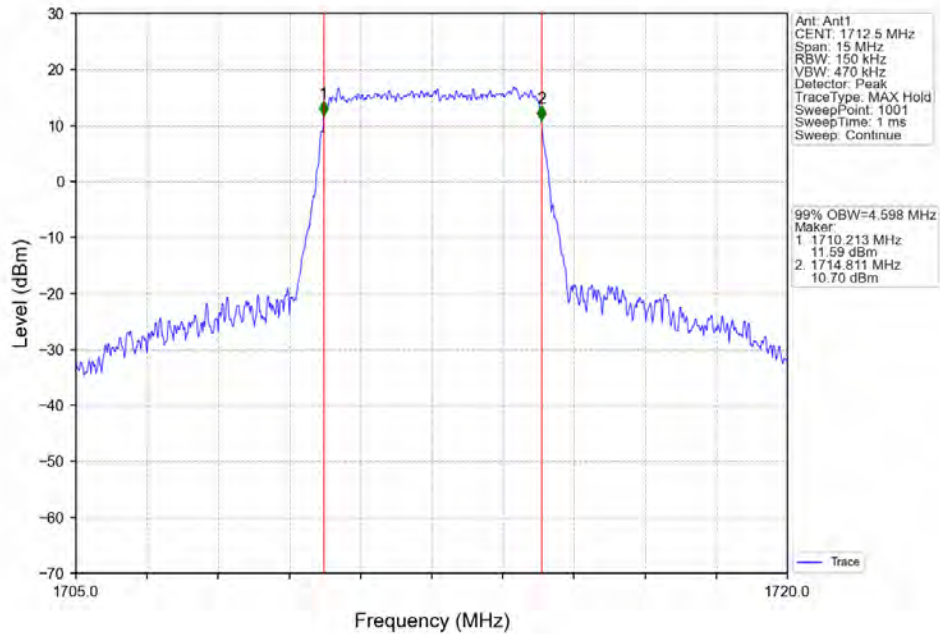
Band66\_5MHz\_QPSK\_MCH\_1745MHz\_RB\_25\_0\_NTNV



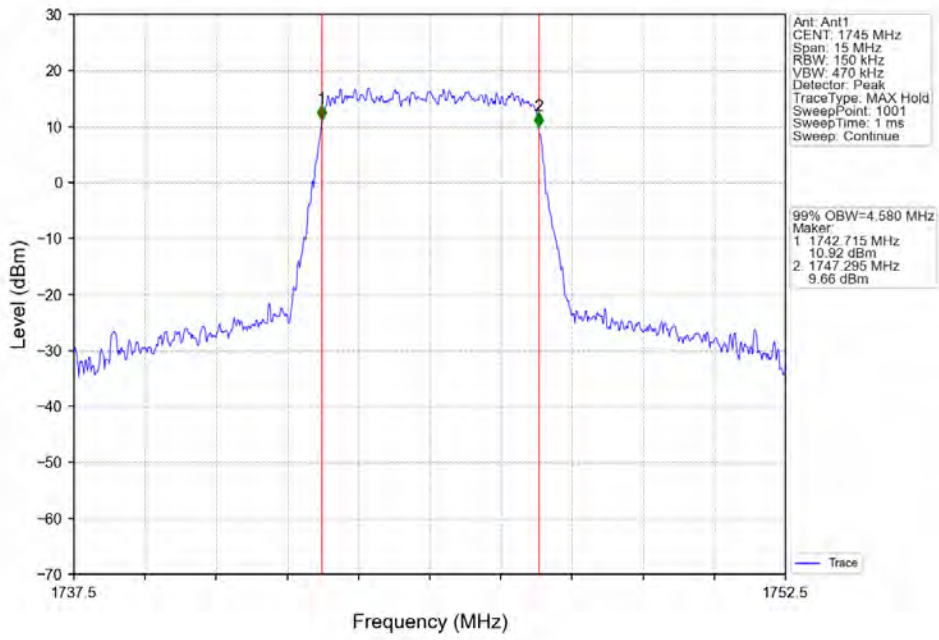
Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



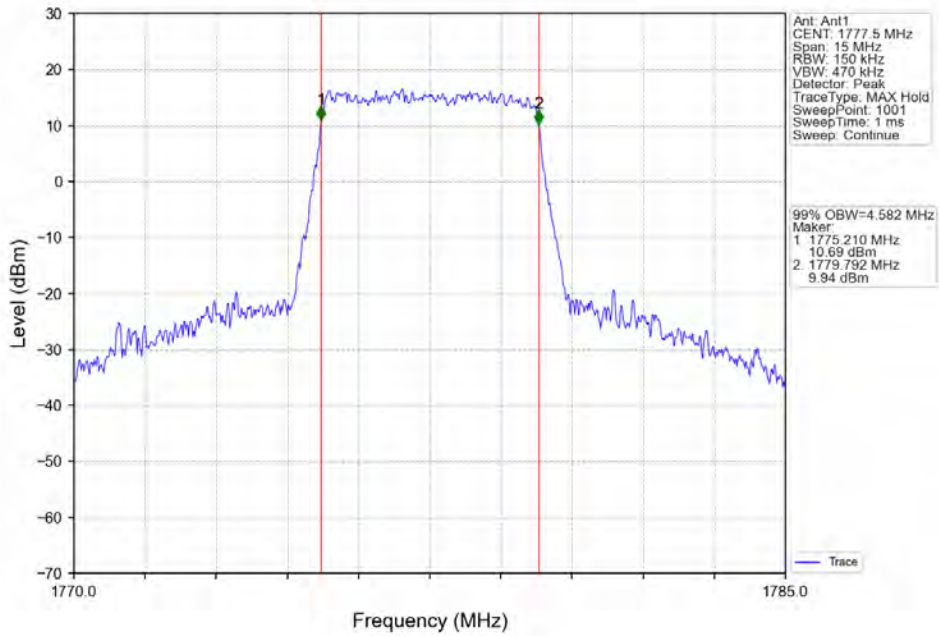
Band66\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



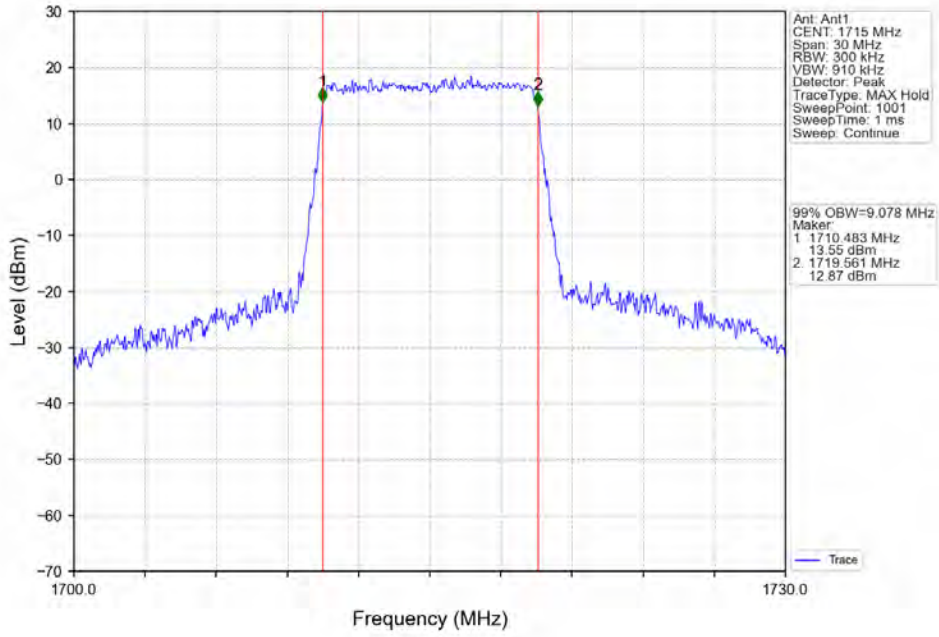
Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV



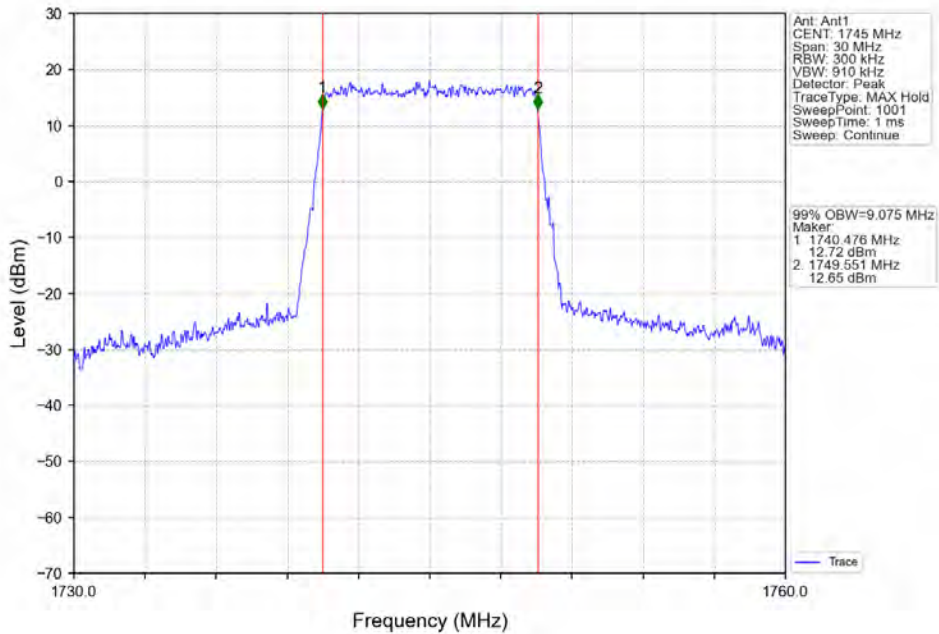
Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



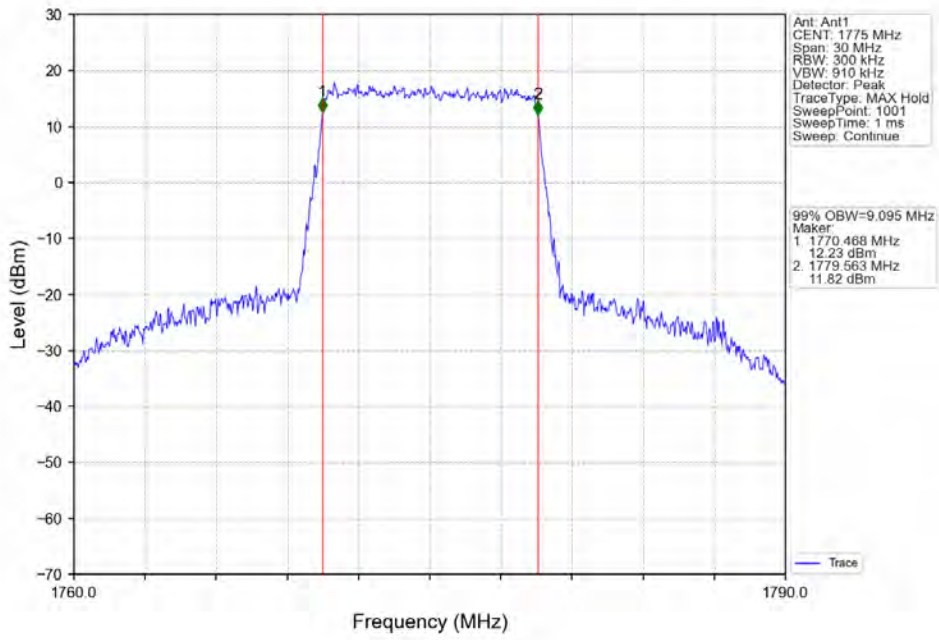
Band66\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV



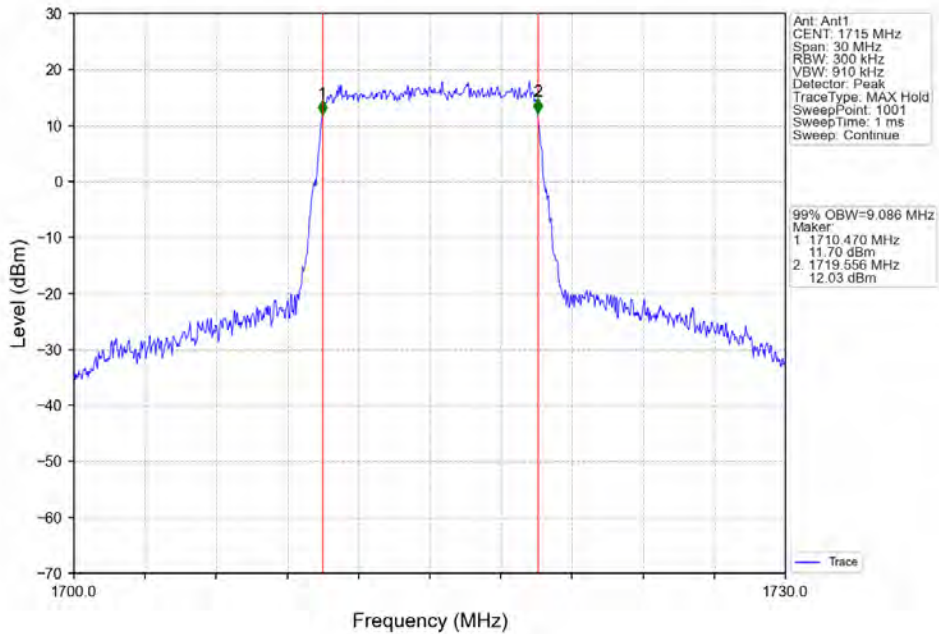
Band66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_50\_0\_NTNV



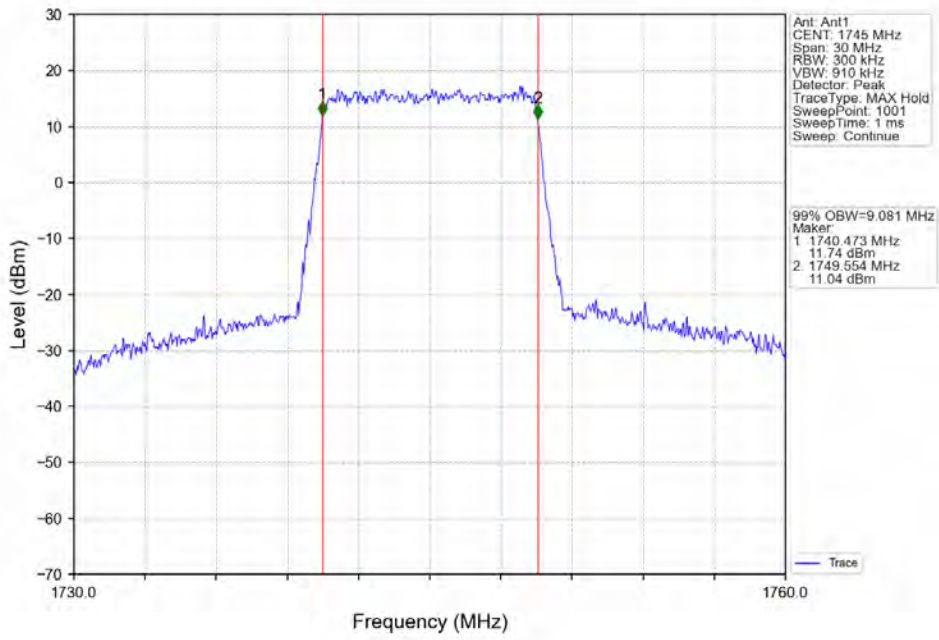
Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV



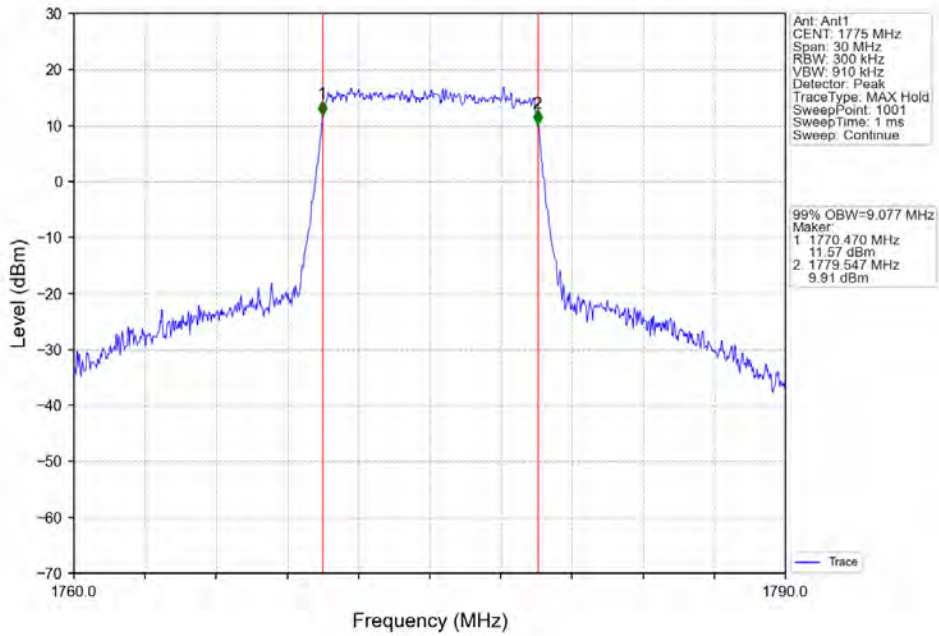
Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



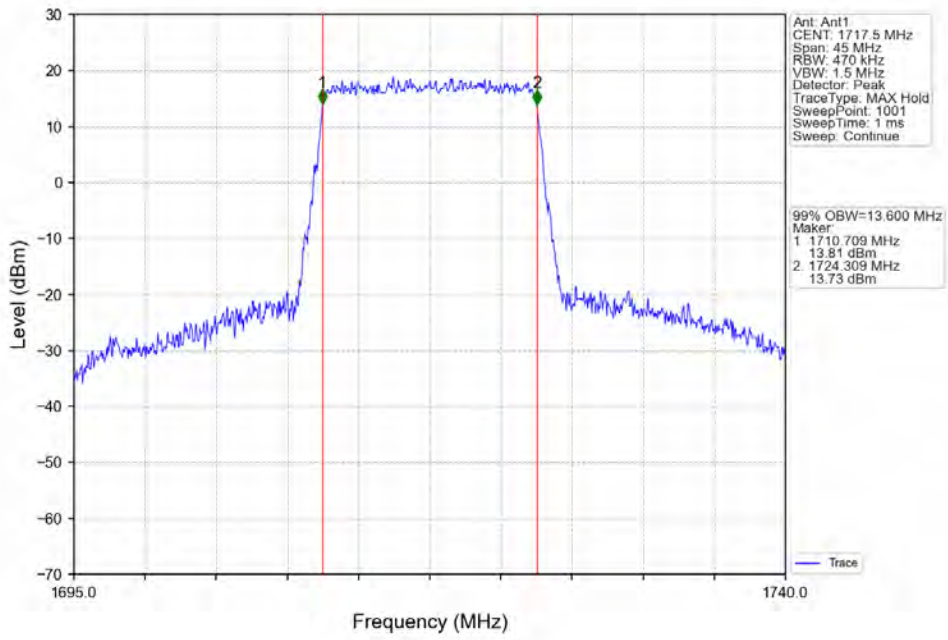
Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_50\_0\_NTNV



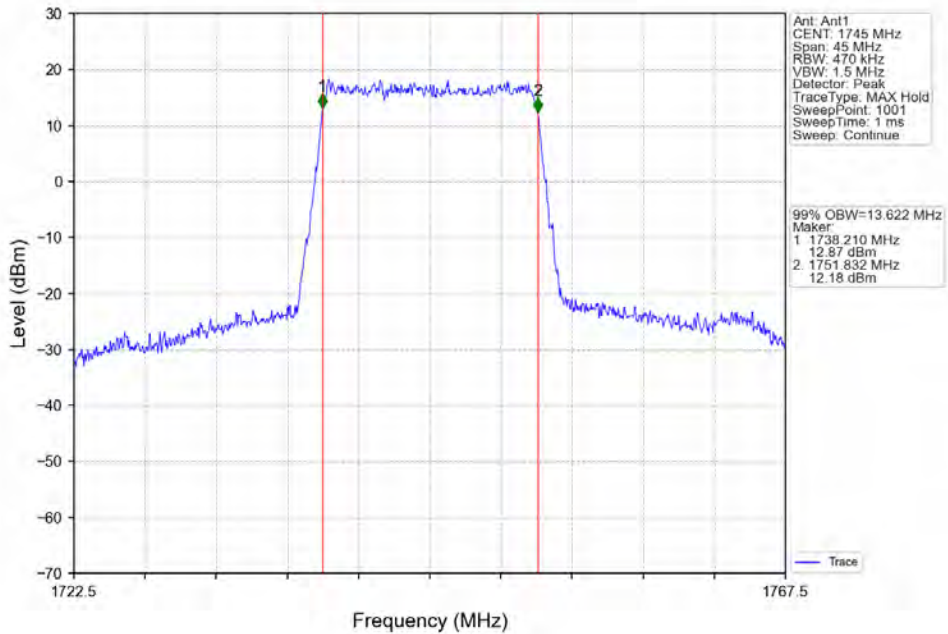
Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_50\_0\_NTNV



Band66\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

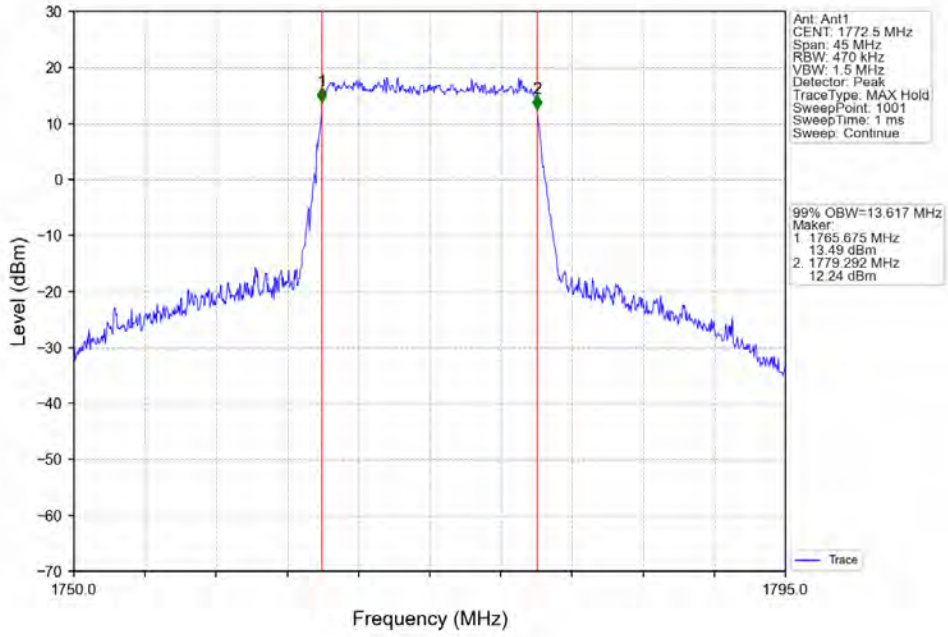


Band66\_15MHz\_QPSK\_MCH\_1745MHz\_RB\_75\_0\_NTNV

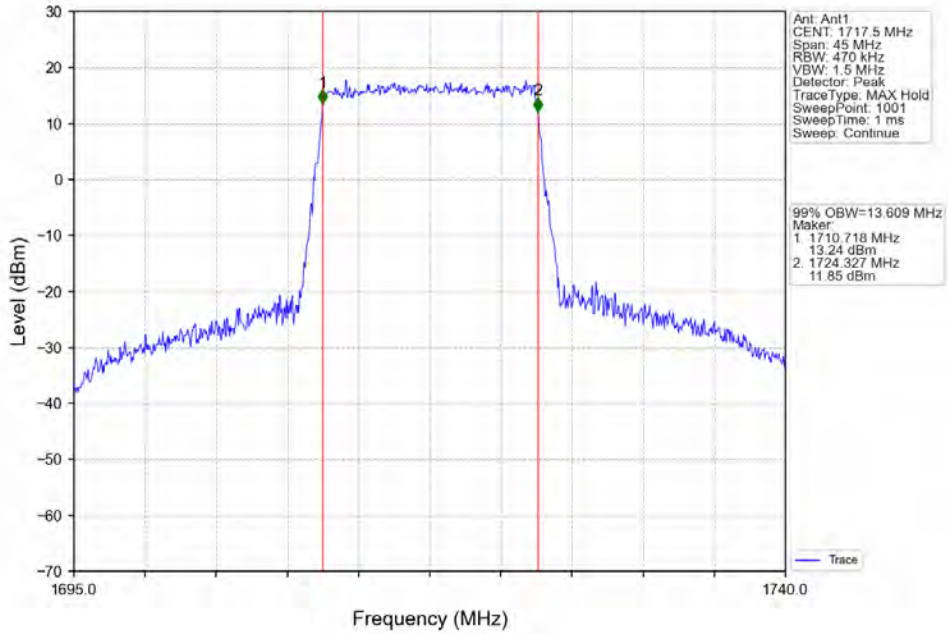




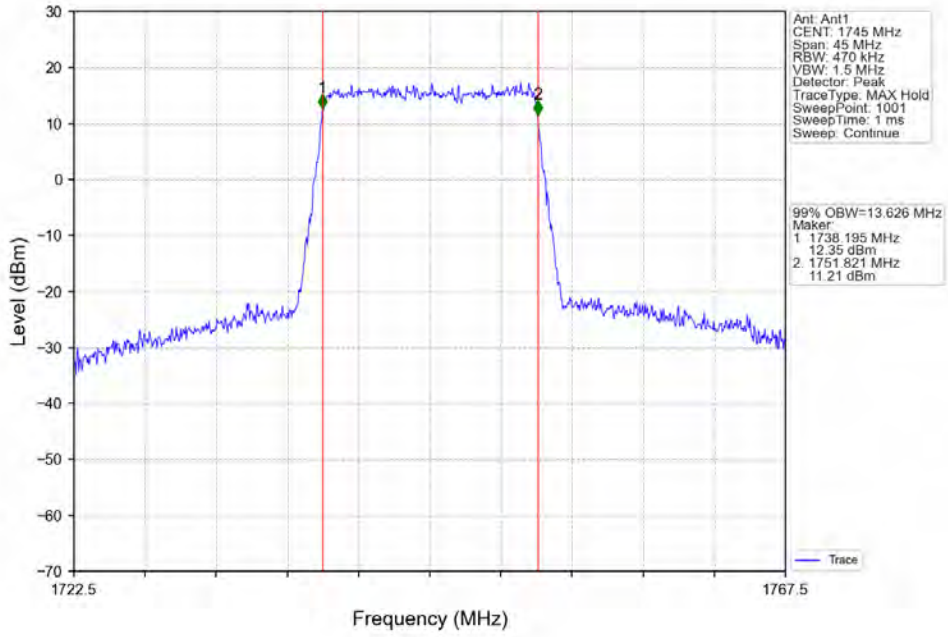
Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



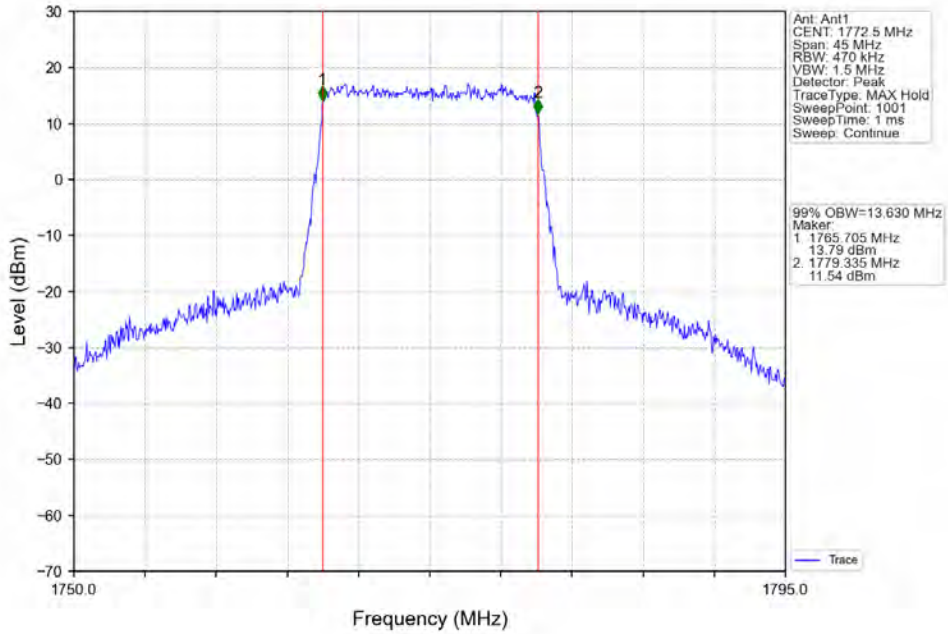
Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



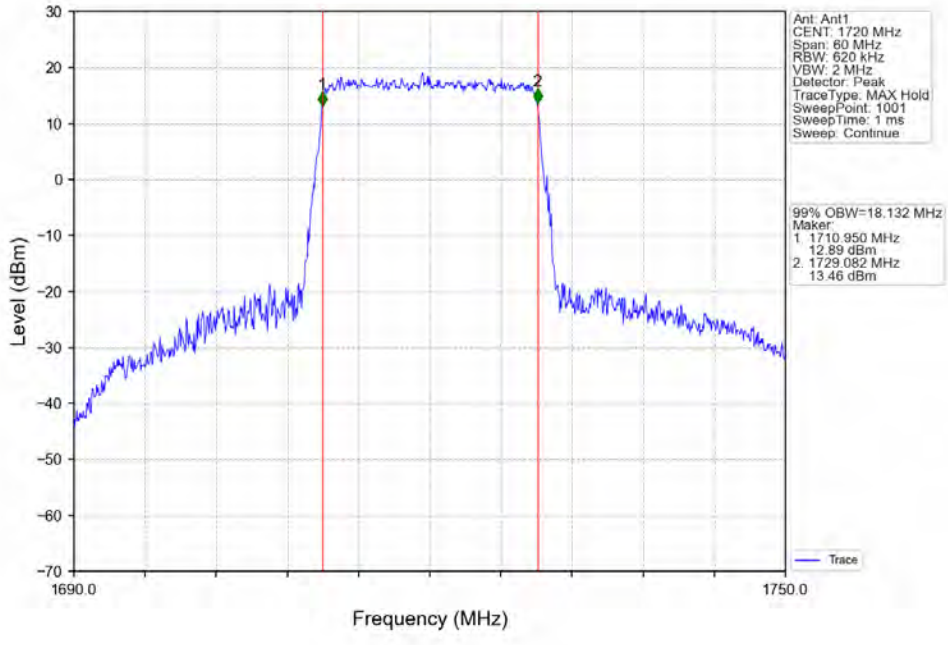
Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV



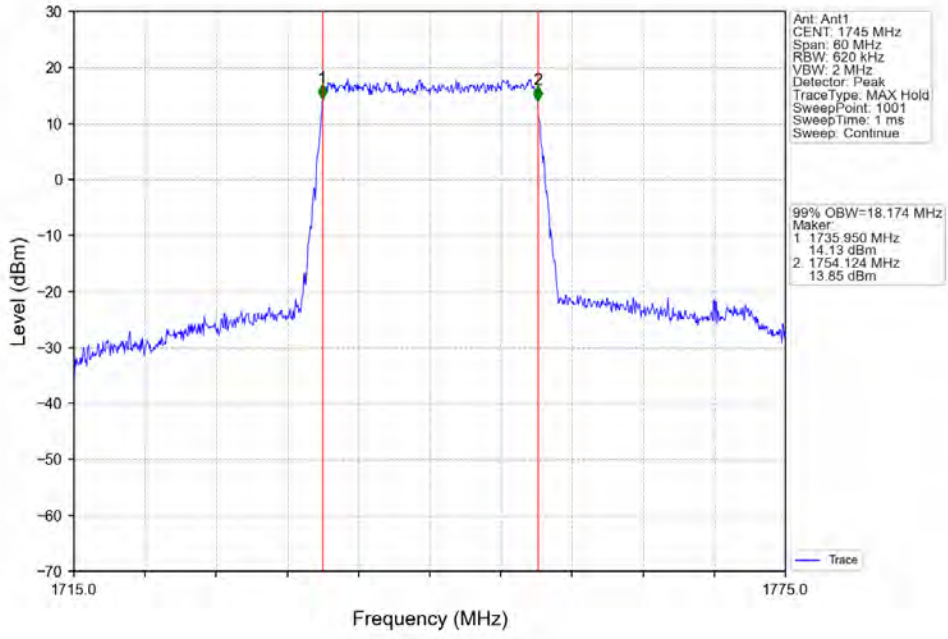
Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



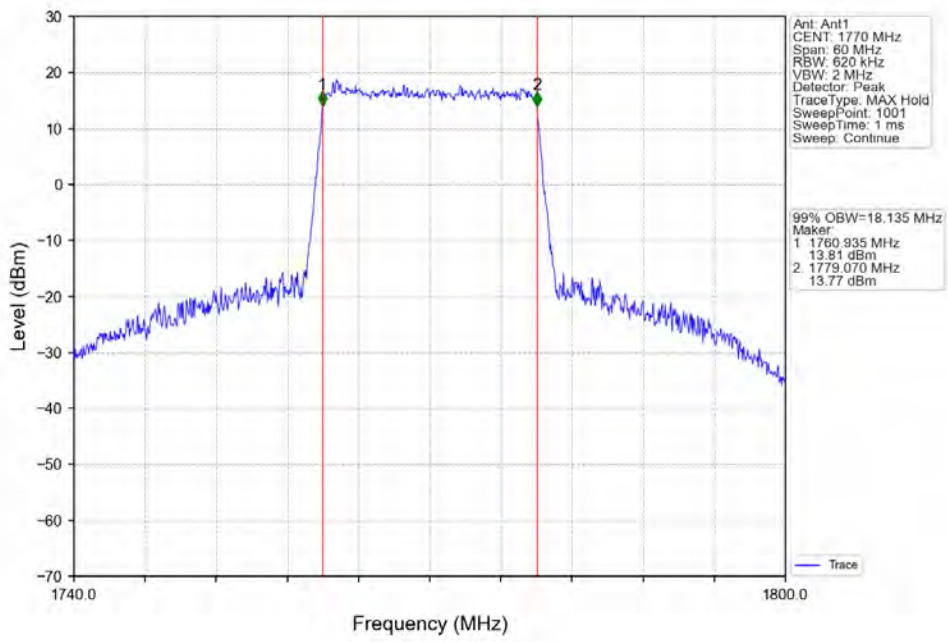
Band66\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



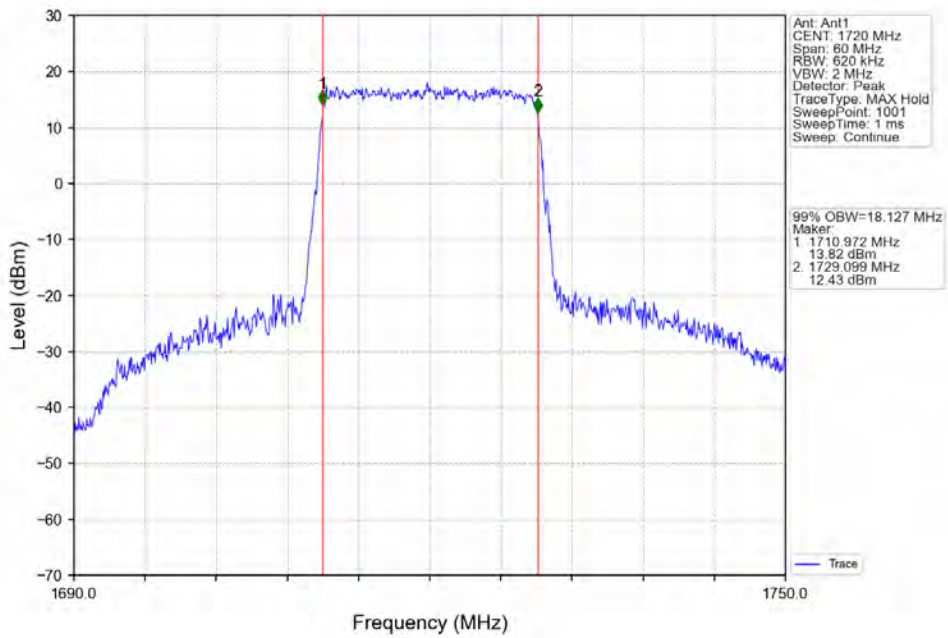
Band66\_20MHz\_QPSK\_MCH\_1745MHz\_RB\_100\_0\_NTNV



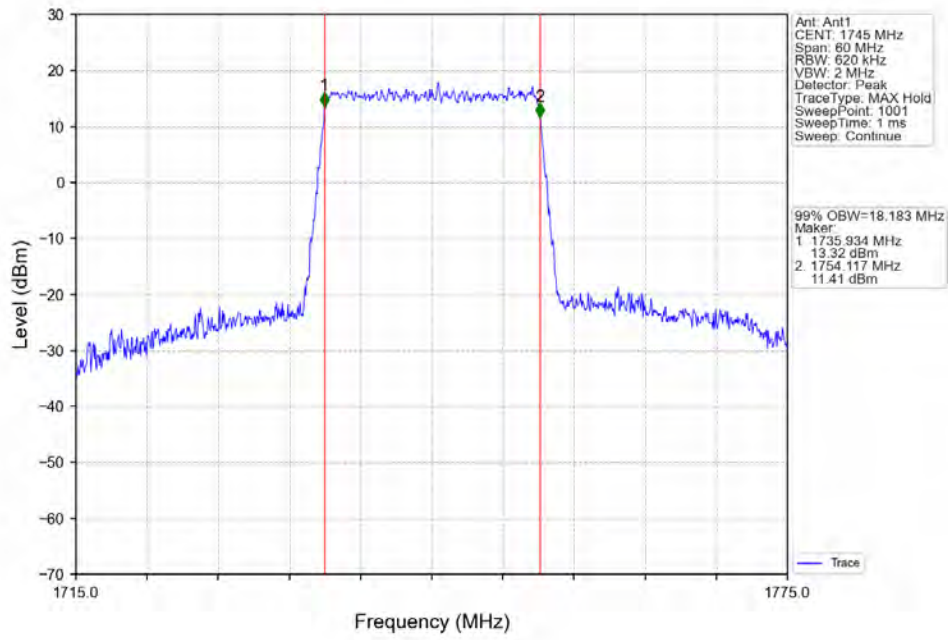
Band66\_20MHz\_QPSK\_HCH\_1770MHz\_RB\_100\_0\_NTNV



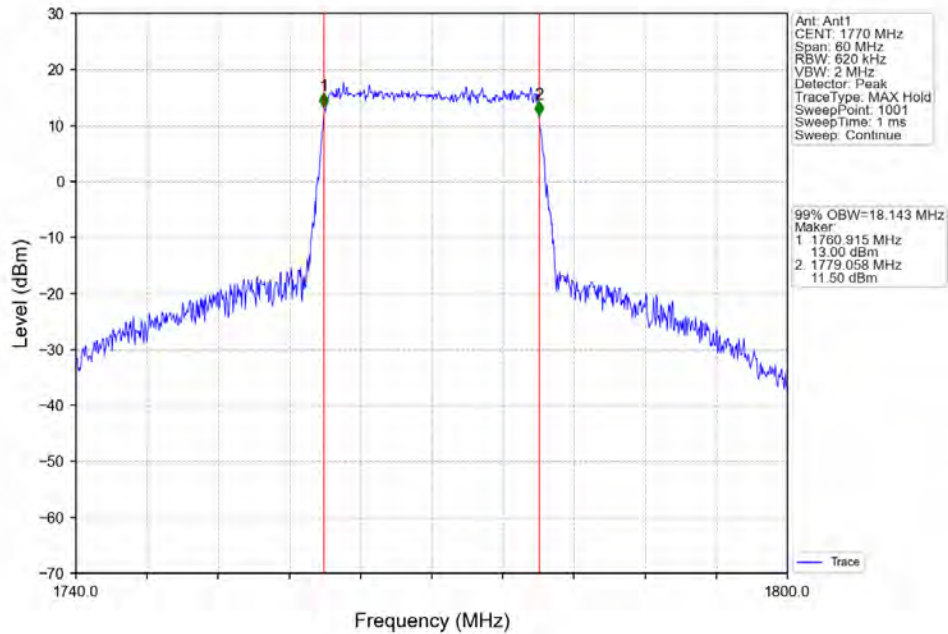
Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_100\_0\_NTNV



Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_100\_0\_NTNV

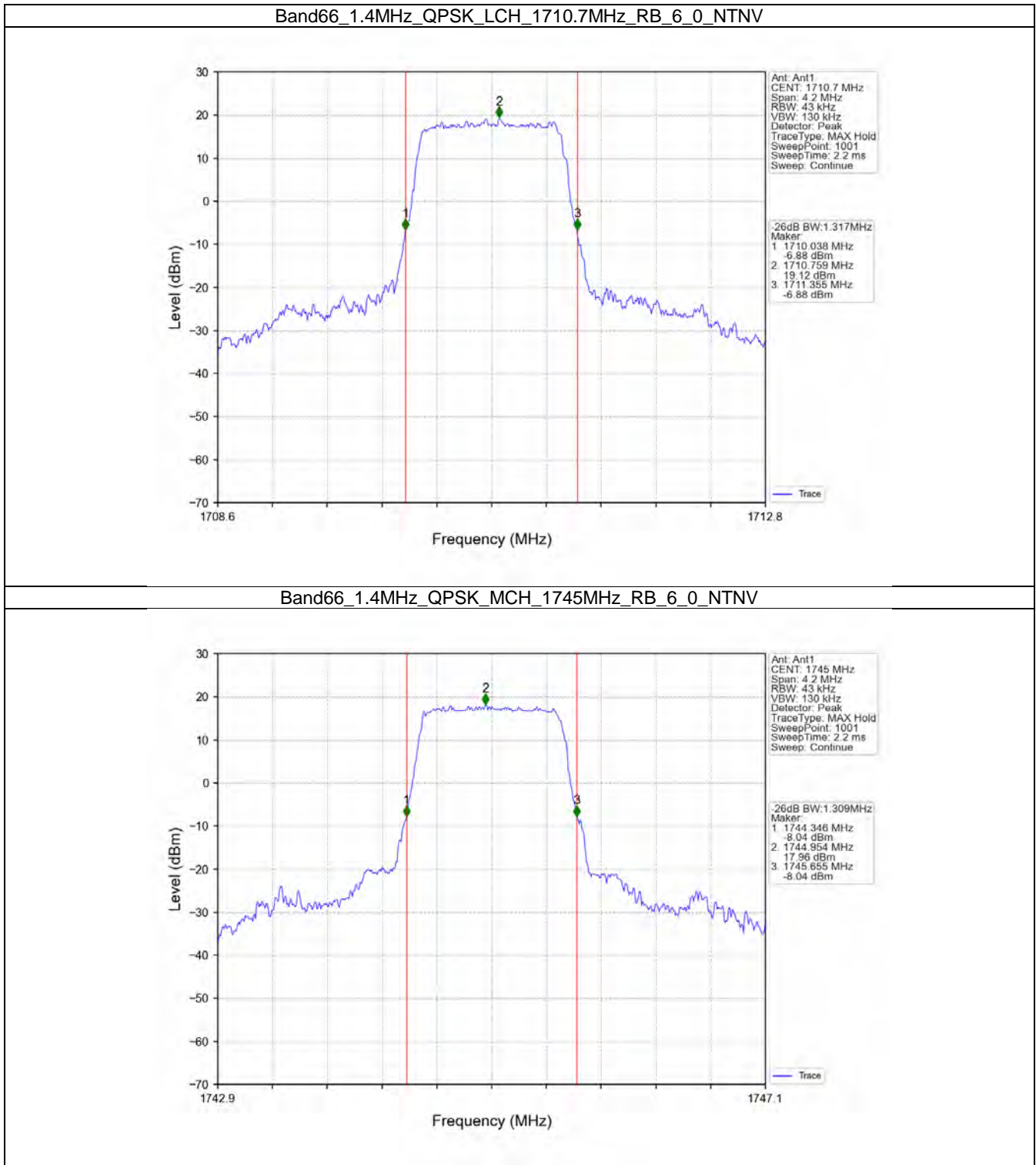


## 4.2 Band66\_XDB

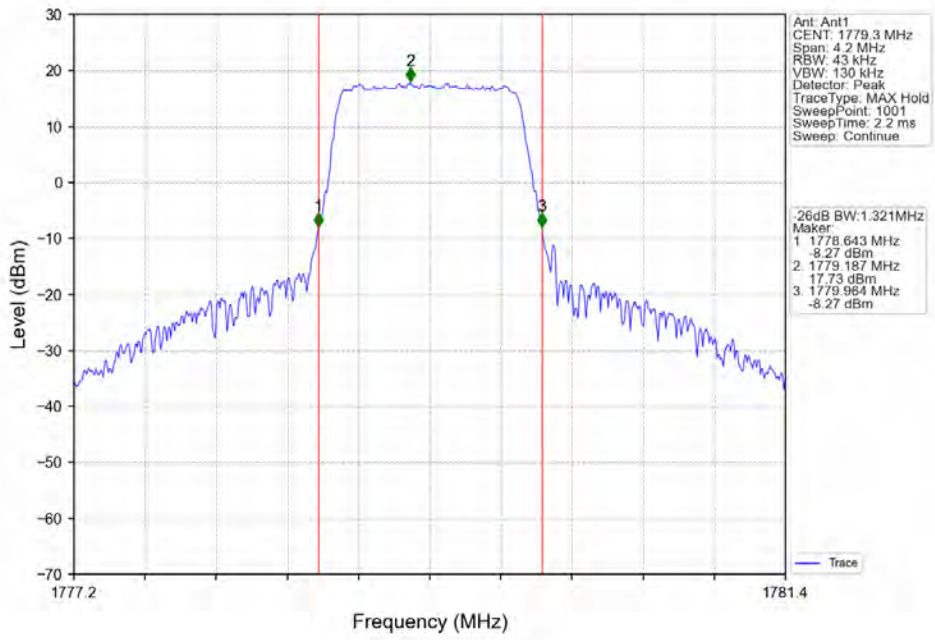
### 4.2.1 Test Result

Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.317	Pass
		1745	6	0	1.309	Pass
		1779.3	6	0	1.321	Pass
	16QAM	1710.7	6	0	1.326	Pass
		1745	6	0	1.306	Pass
		1779.3	6	0	1.336	Pass
3	QPSK	1711.5	15	0	2.999	Pass
		1745	15	0	2.997	Pass
		1778.5	15	0	2.989	Pass
	16QAM	1711.5	15	0	3.012	Pass
		1745	15	0	2.991	Pass
		1778.5	15	0	3.014	Pass
5	QPSK	1712.5	25	0	5.261	Pass
		1745	25	0	5.186	Pass
		1777.5	25	0	5.244	Pass
	16QAM	1712.5	25	0	5.292	Pass
		1745	25	0	5.230	Pass
		1777.5	25	0	5.239	Pass
10	QPSK	1715	50	0	10.244	Pass
		1745	50	0	10.352	Pass
		1775	50	0	10.318	Pass
	16QAM	1715	50	0	10.235	Pass
		1745	50	0	10.233	Pass
		1775	50	0	10.209	Pass
15	QPSK	1717.5	75	0	15.275	Pass
		1745	75	0	15.367	Pass
		1772.5	75	0	15.444	Pass
	16QAM	1717.5	75	0	15.200	Pass
		1745	75	0	15.375	Pass
		1772.5	75	0	15.385	Pass
20	QPSK	1720	100	0	20.353	Pass
		1745	100	0	20.066	Pass
		1770	100	0	19.960	Pass
	16QAM	1720	100	0	20.103	Pass
		1745	100	0	20.022	Pass
		1770	100	0	20.259	Pass

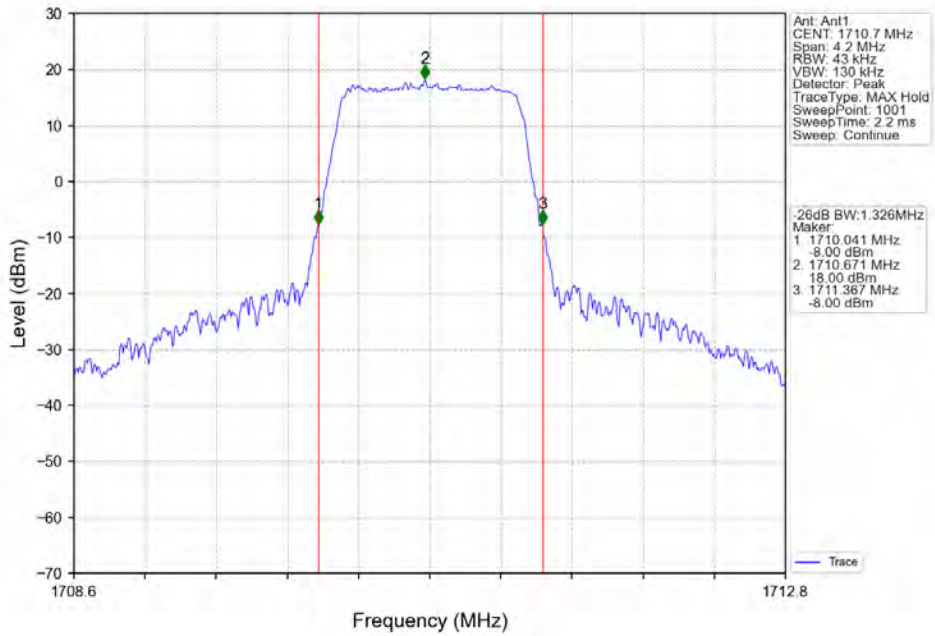
### 4.2.2 Test Graph



Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV

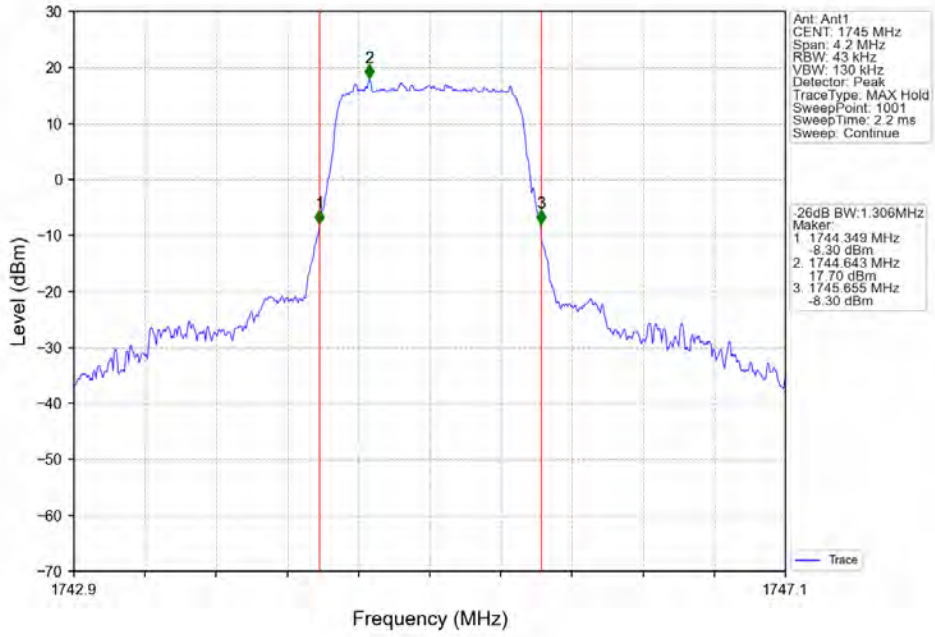


Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

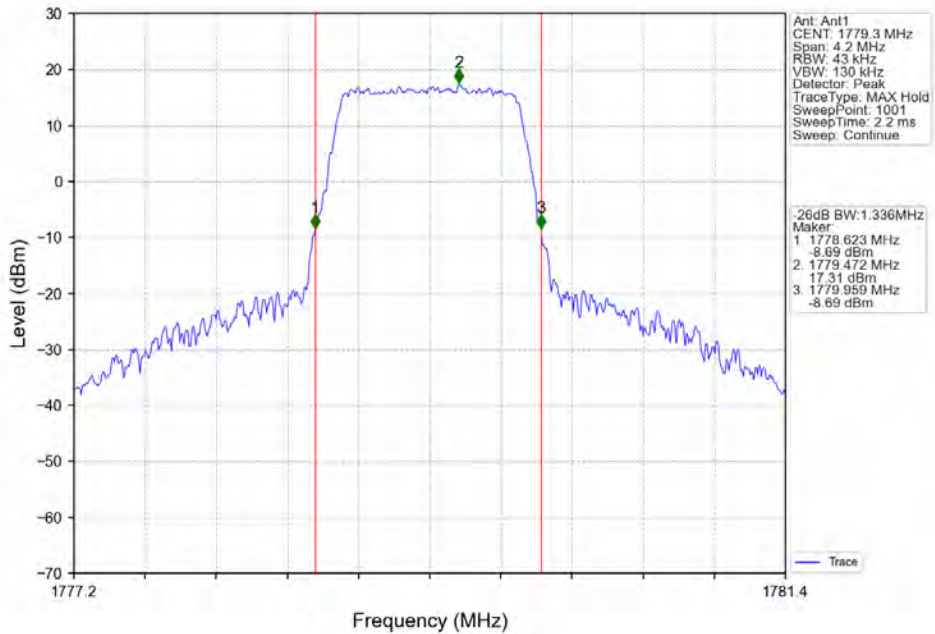




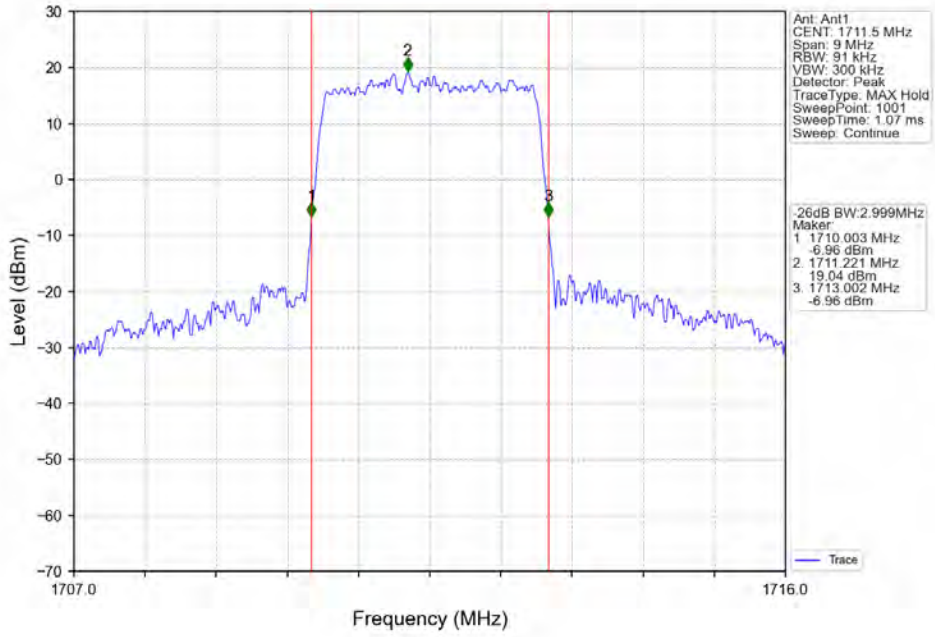
Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV



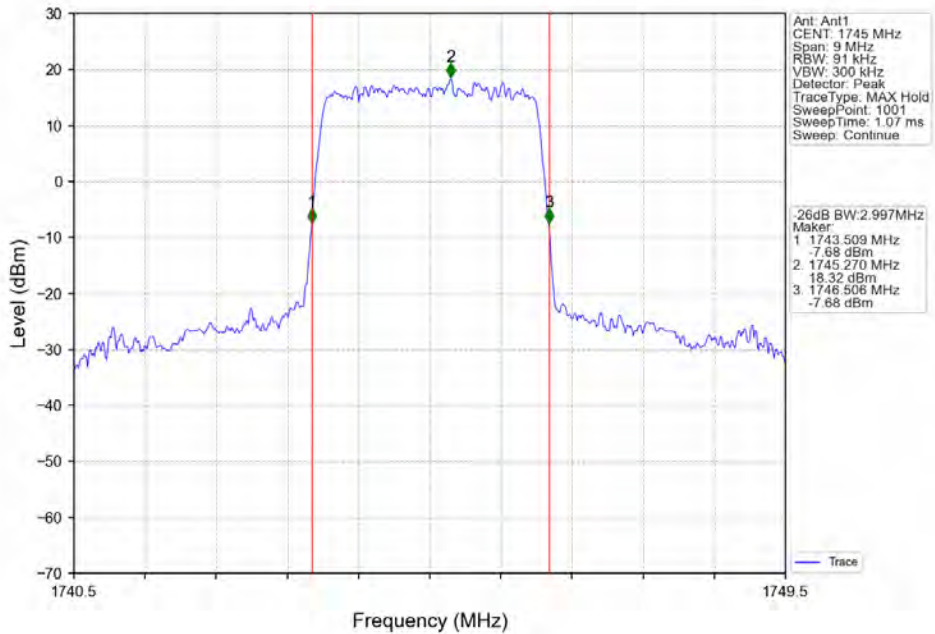
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



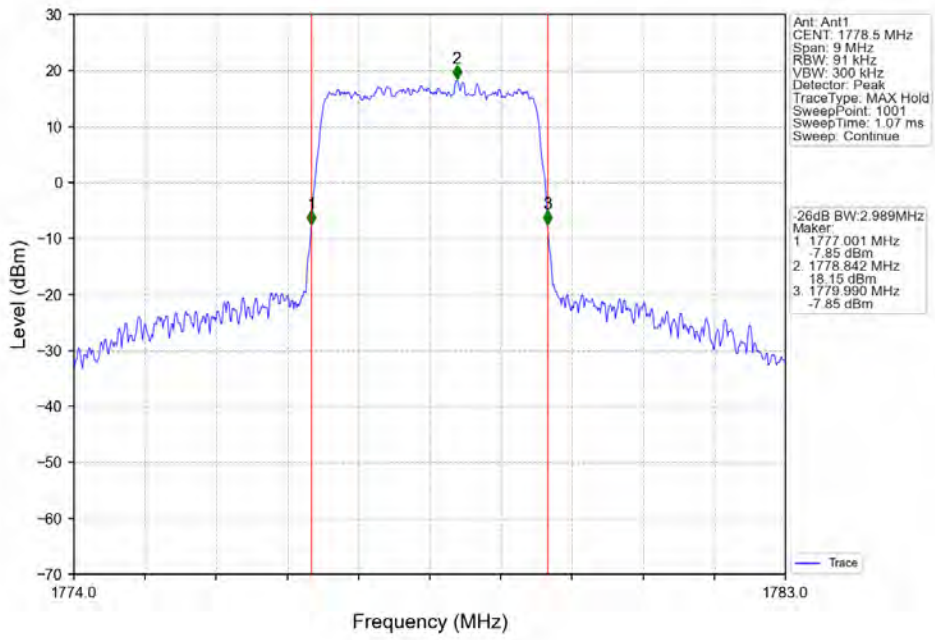
Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



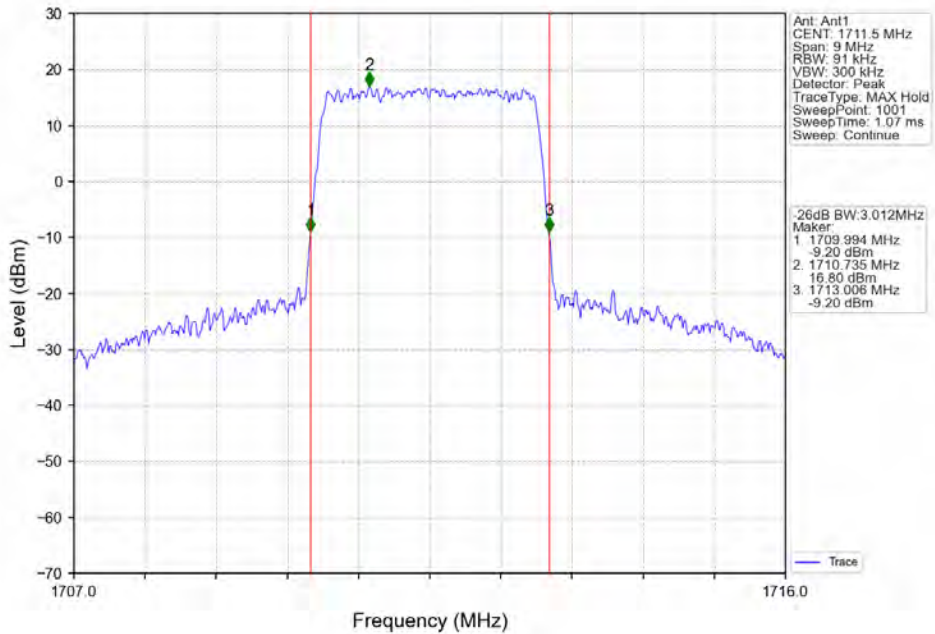
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_15\_0\_NTNV



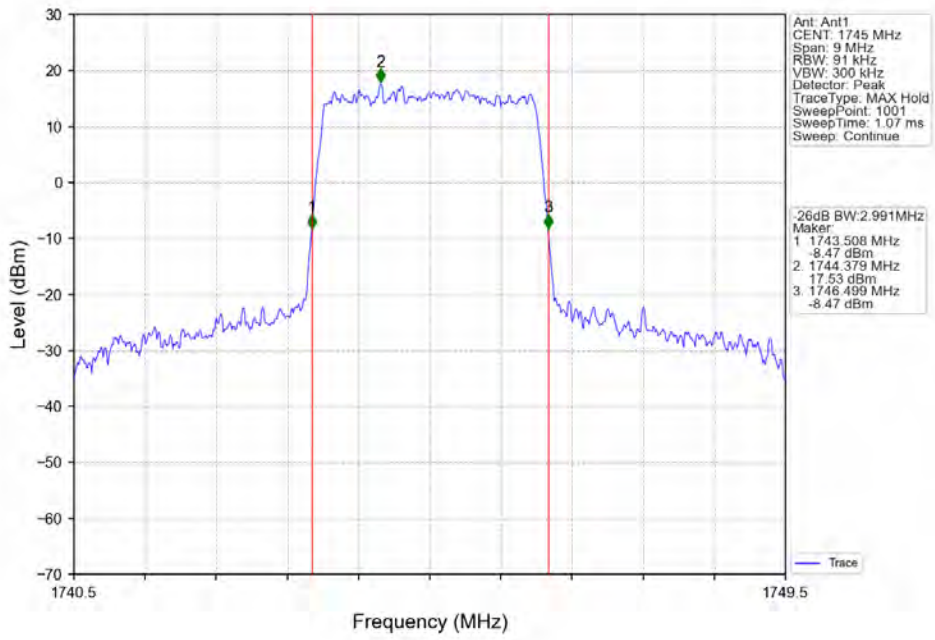
Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



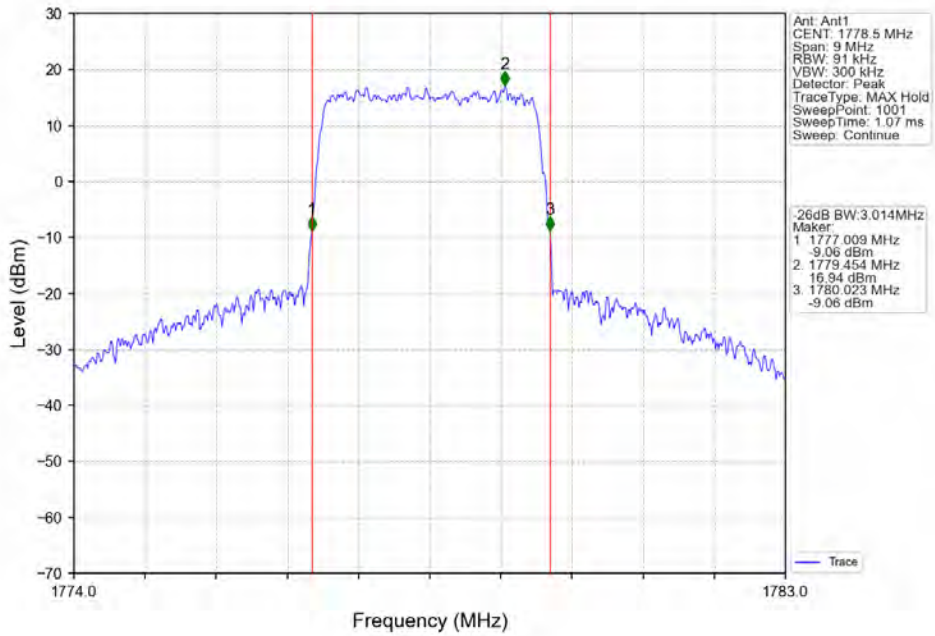
Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



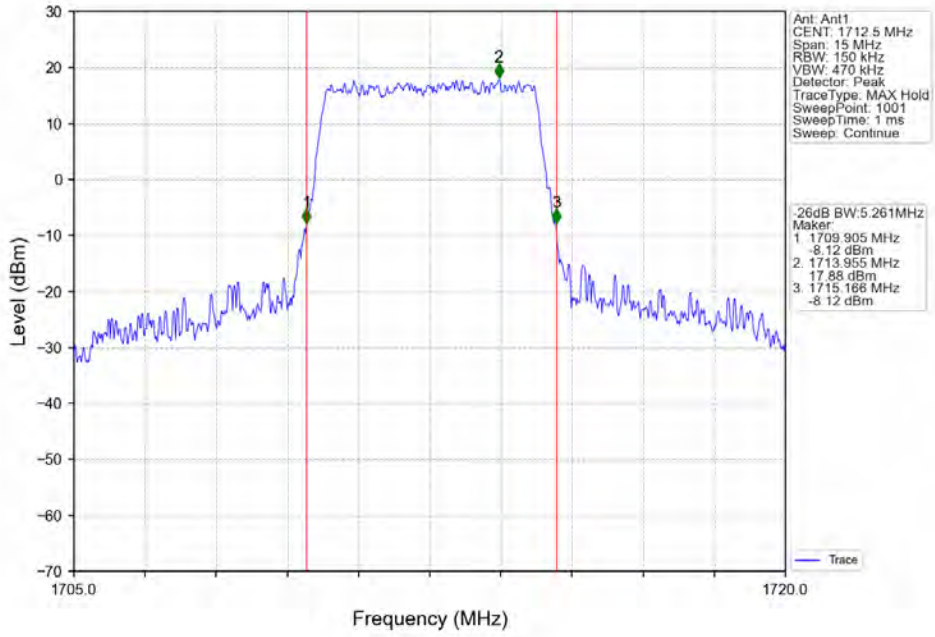
Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



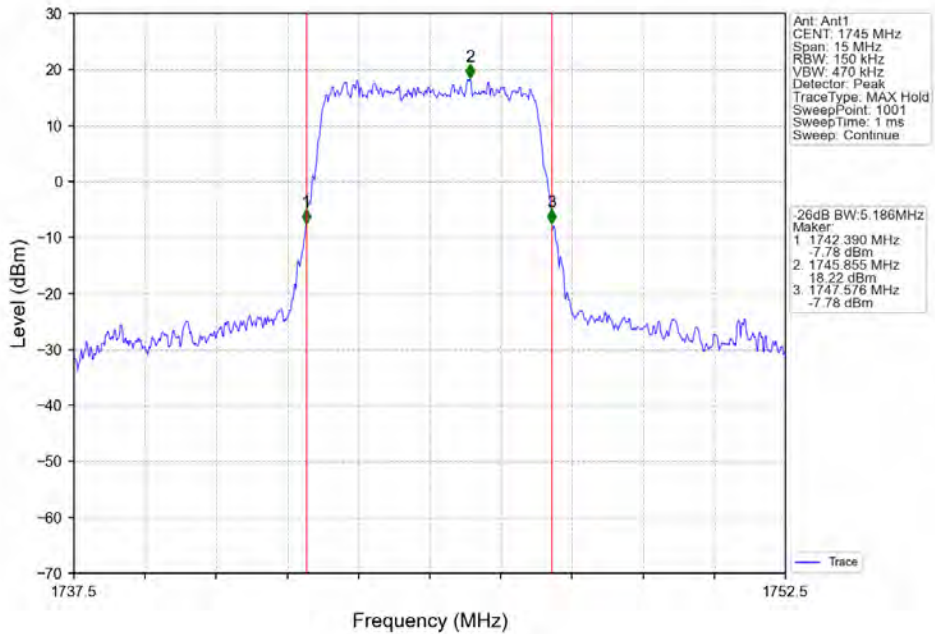
Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



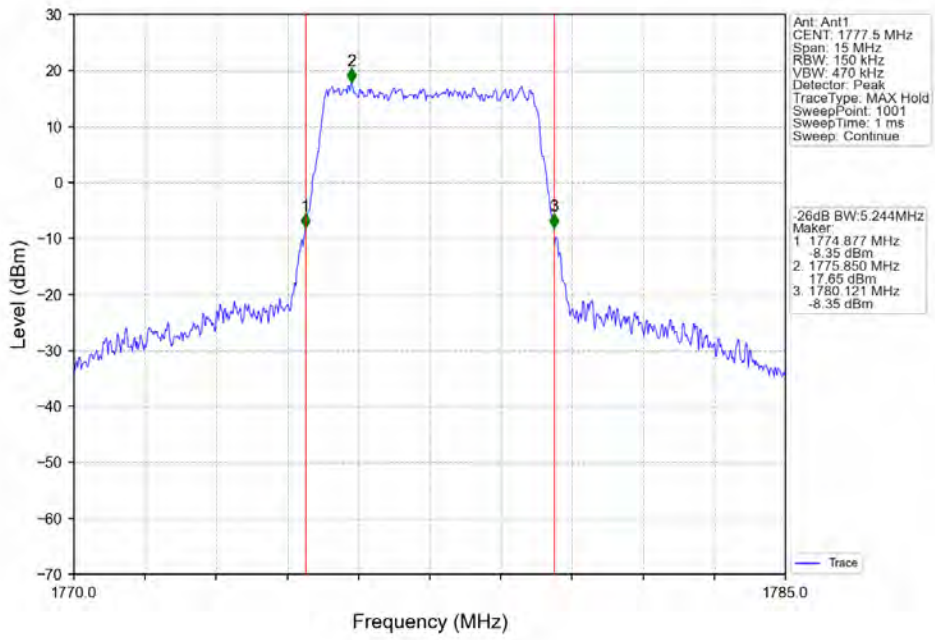
Band66\_5MHz\_QPSK\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



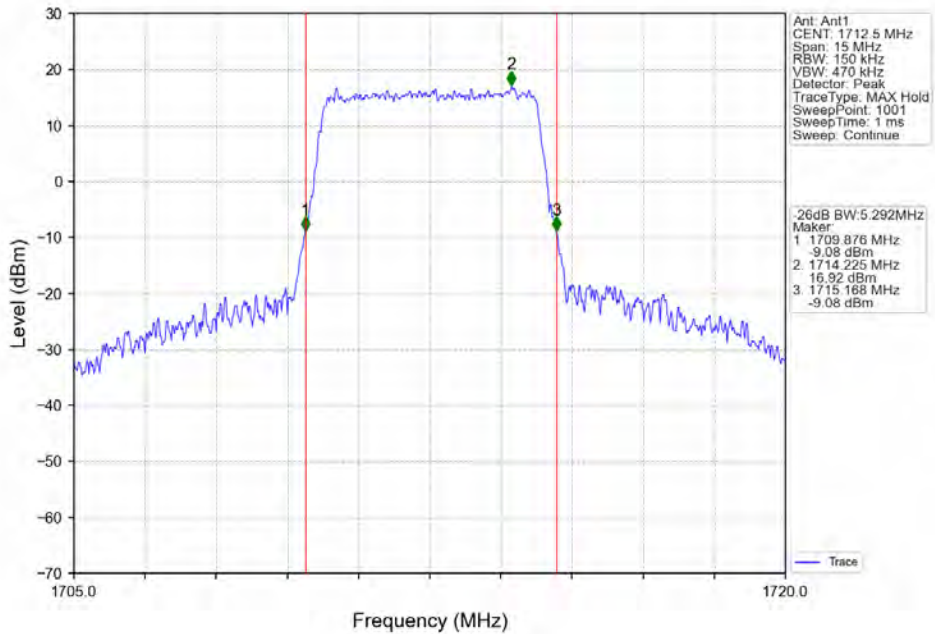
Band66\_5MHz\_QPSK\_MCH\_1745MHz\_RB\_25\_0\_NTNV



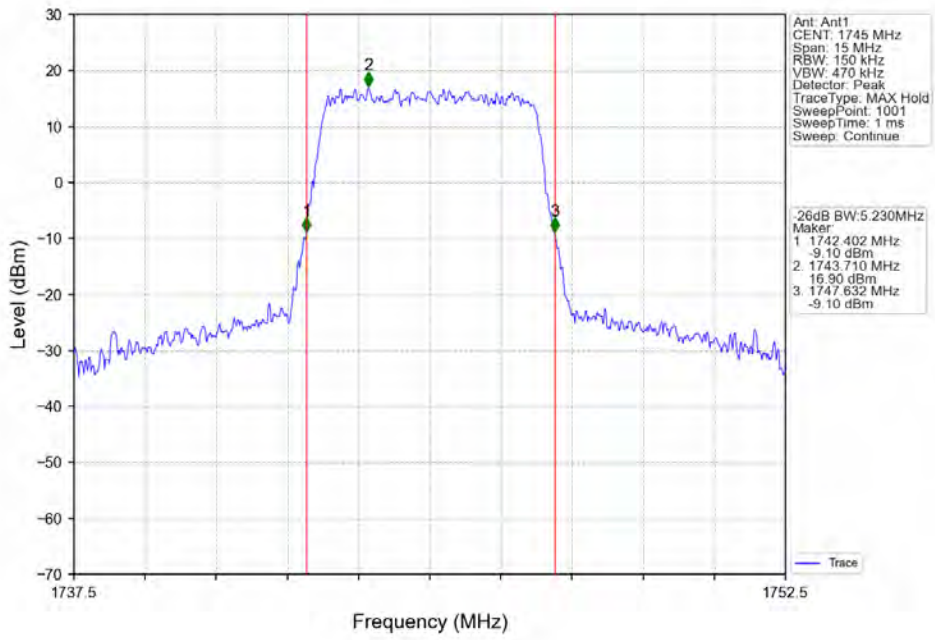
Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



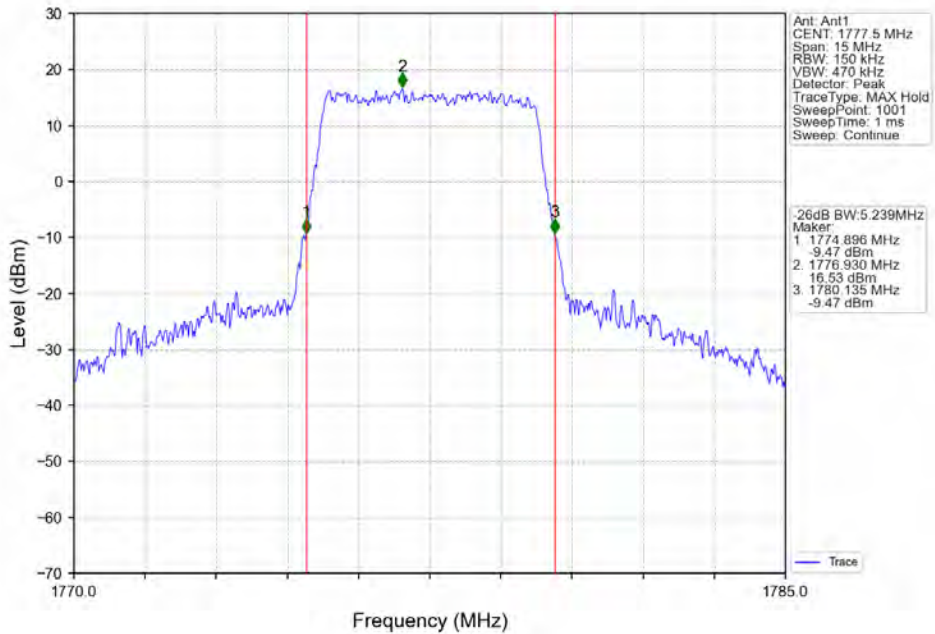
Band66\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



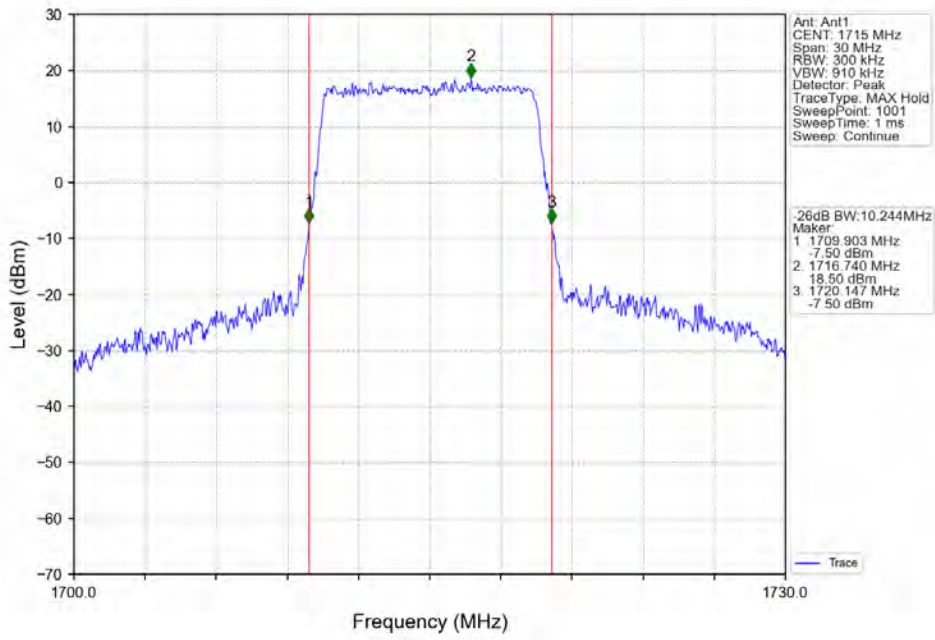
Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV



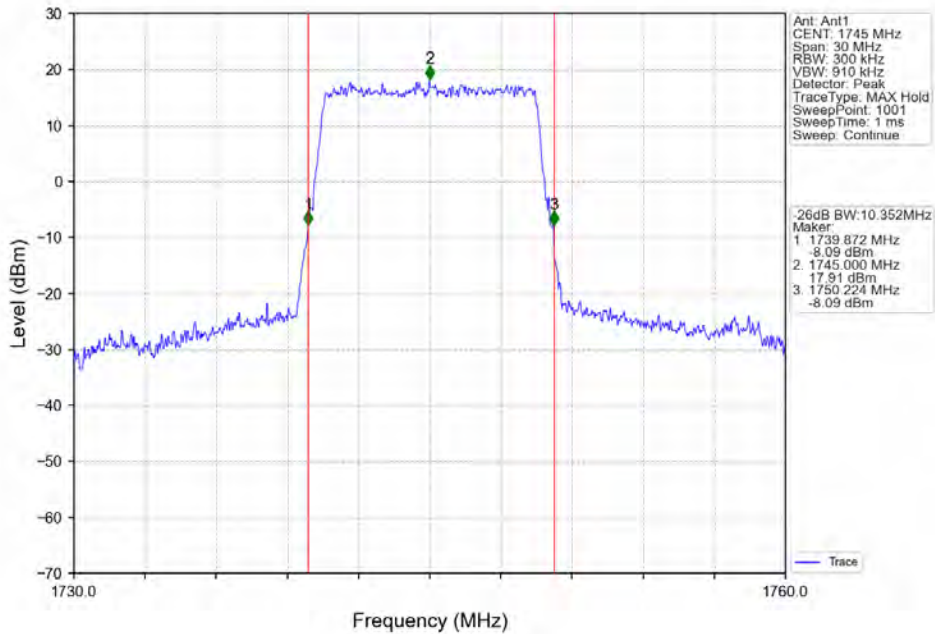
Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



Band66\_10MHz\_QPSK\_LCH\_1715MHz\_RB\_50\_0\_NTNV

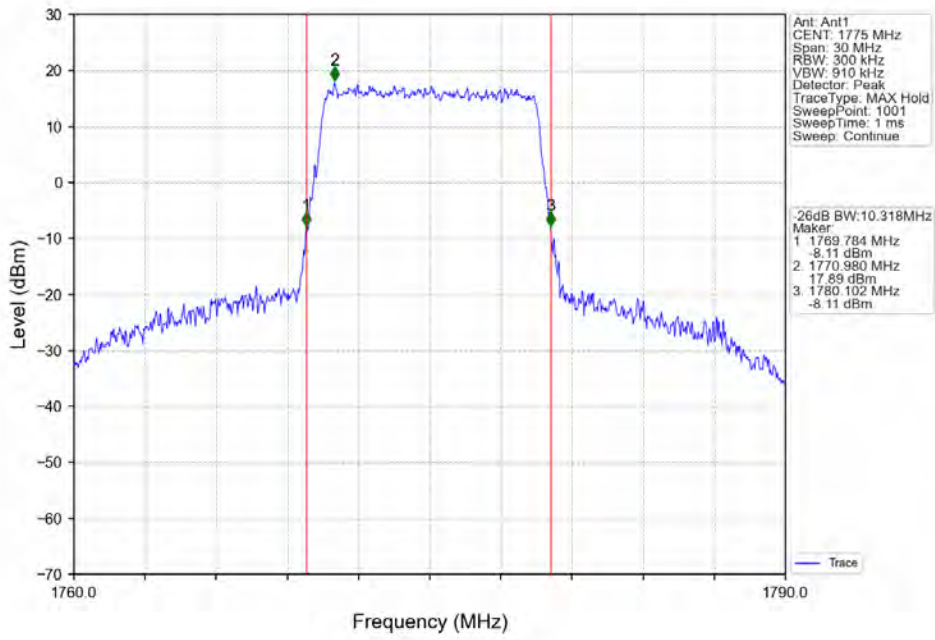


Band66\_10MHz\_QPSK\_MCH\_1745MHz\_RB\_50\_0\_NTNV

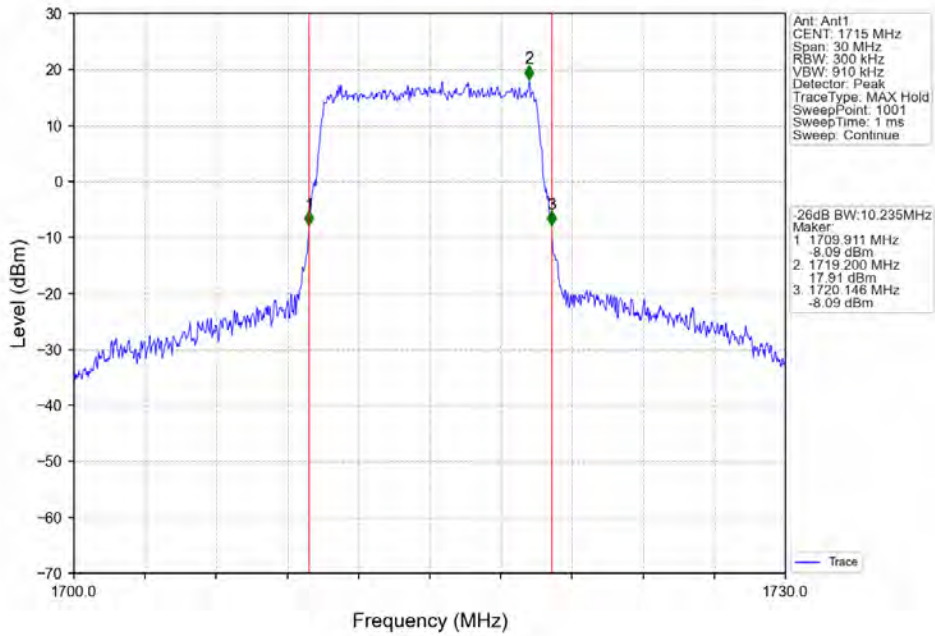




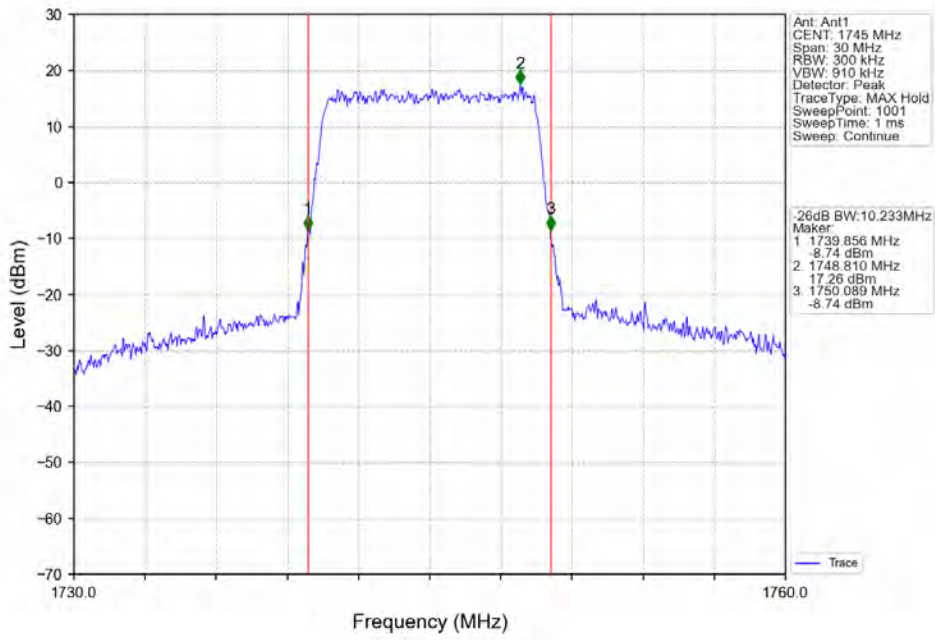
Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV



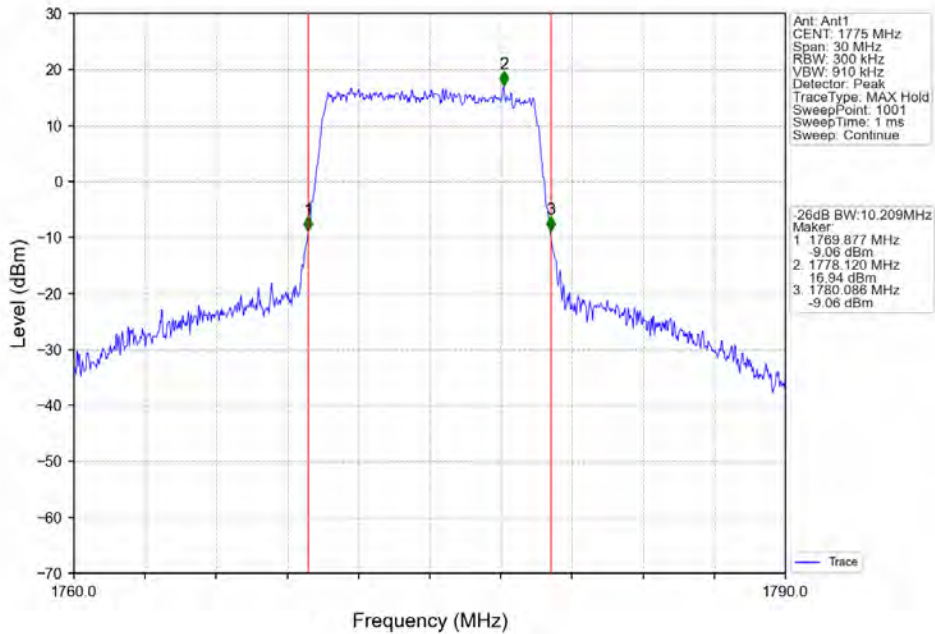
Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



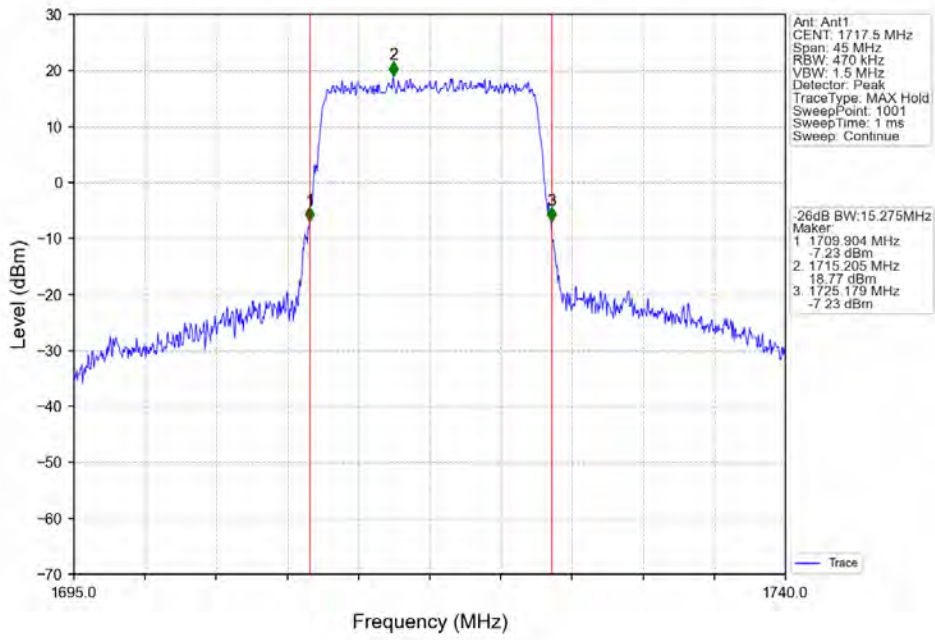
Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_50\_0\_NTNV



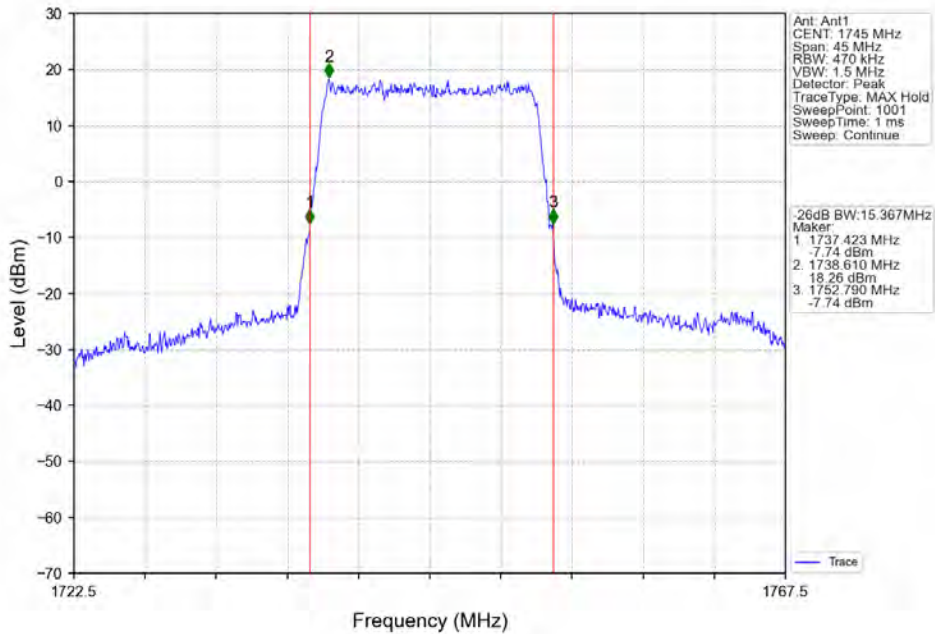
Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_50\_0\_NTNV



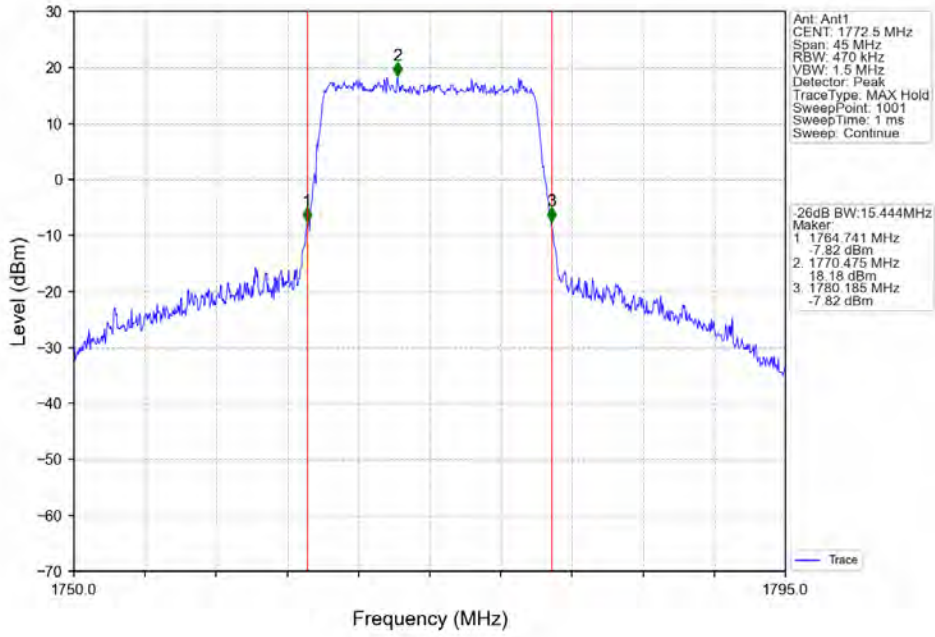
Band66\_15MHz\_QPSK\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



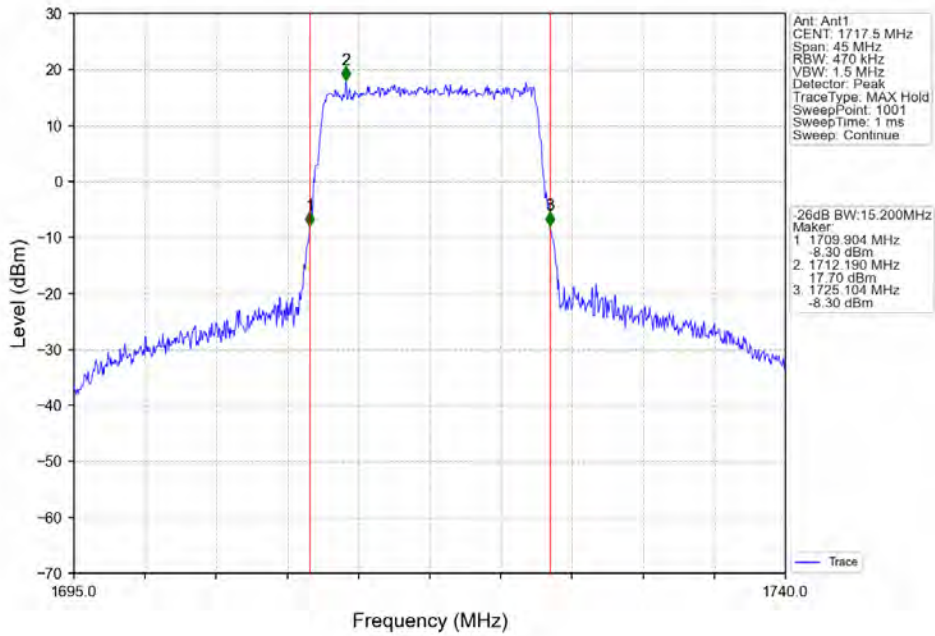
Band66\_15MHz\_QPSK\_MCH\_1745MHz\_RB\_75\_0\_NTNV



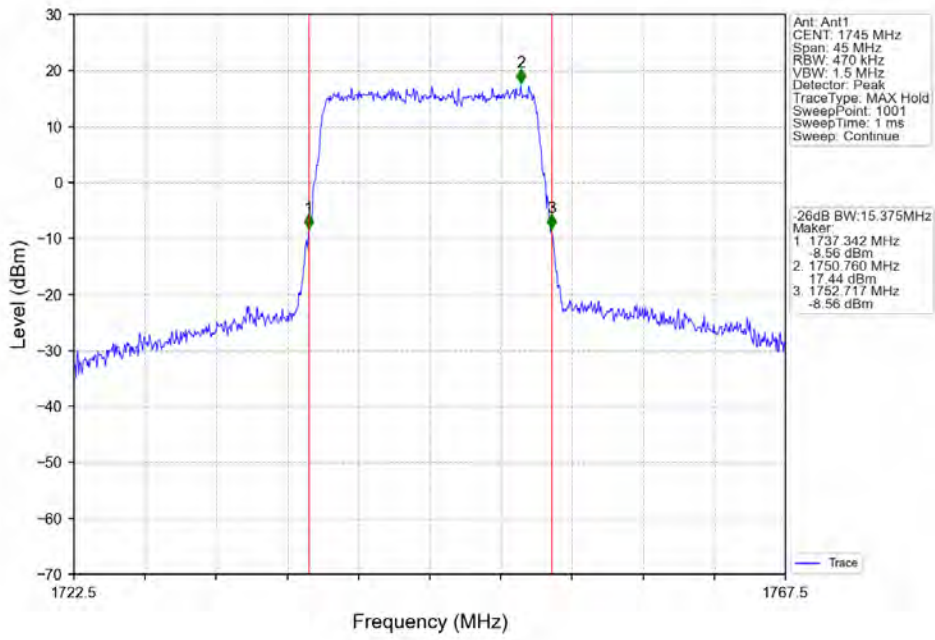
Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



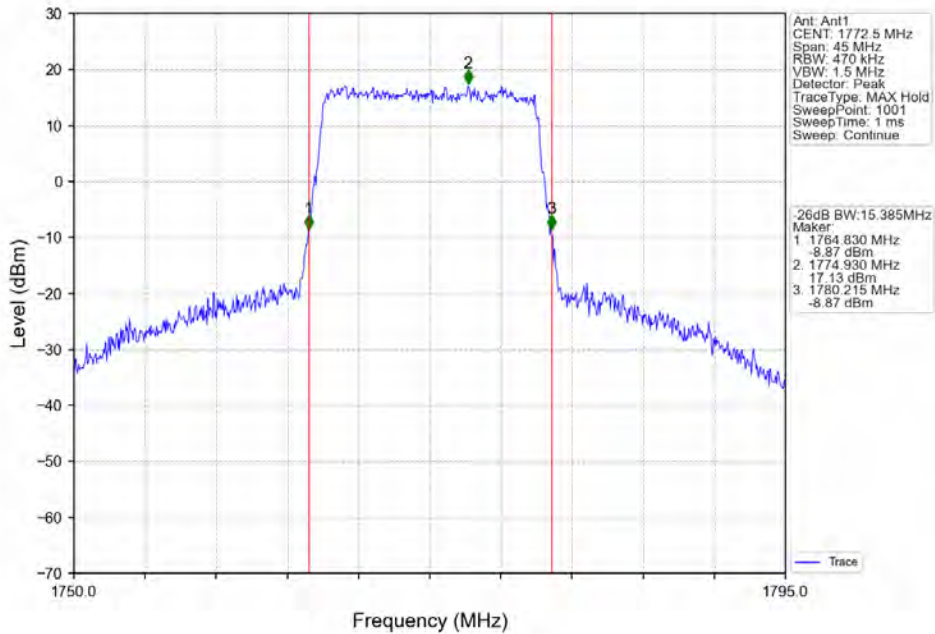
Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



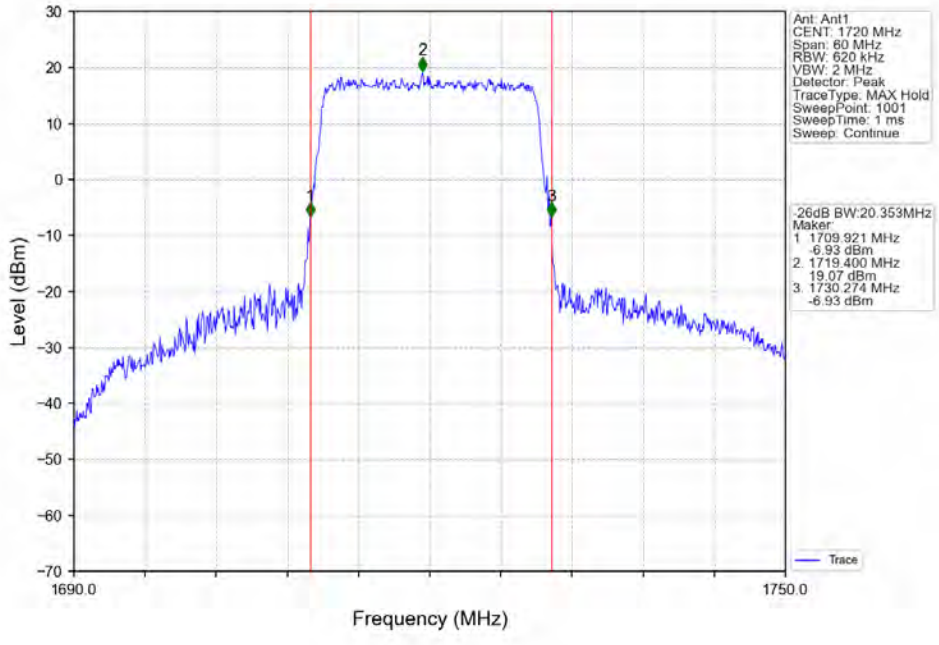
Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV



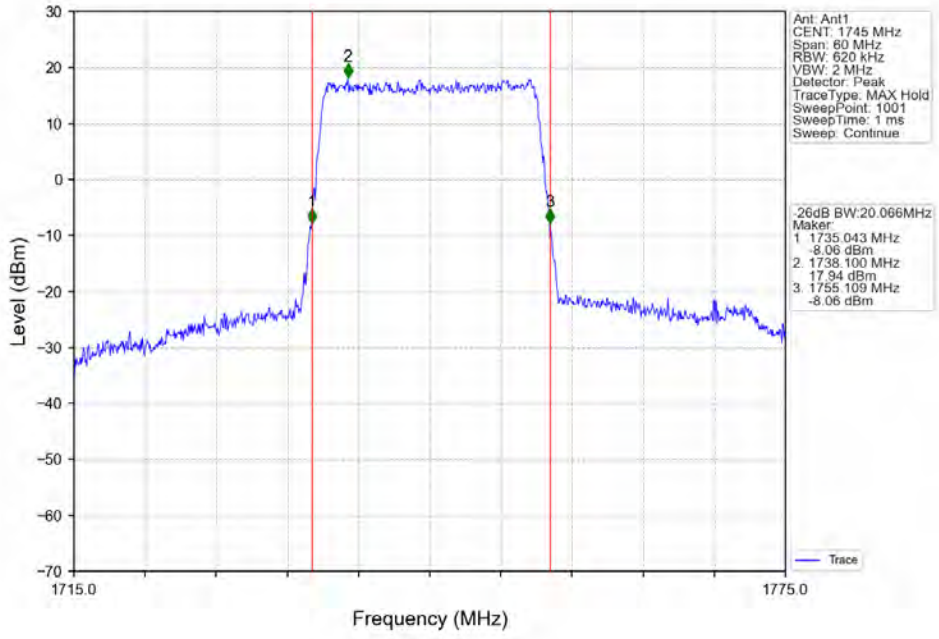
Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



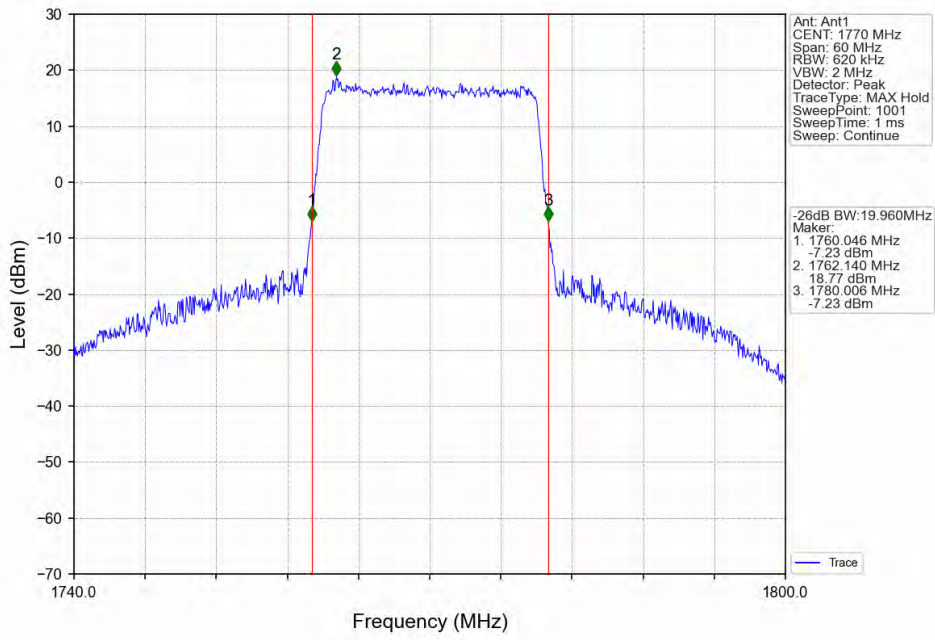
Band66\_20MHz\_QPSK\_LCH\_1720MHz\_RB\_100\_0\_NTNV



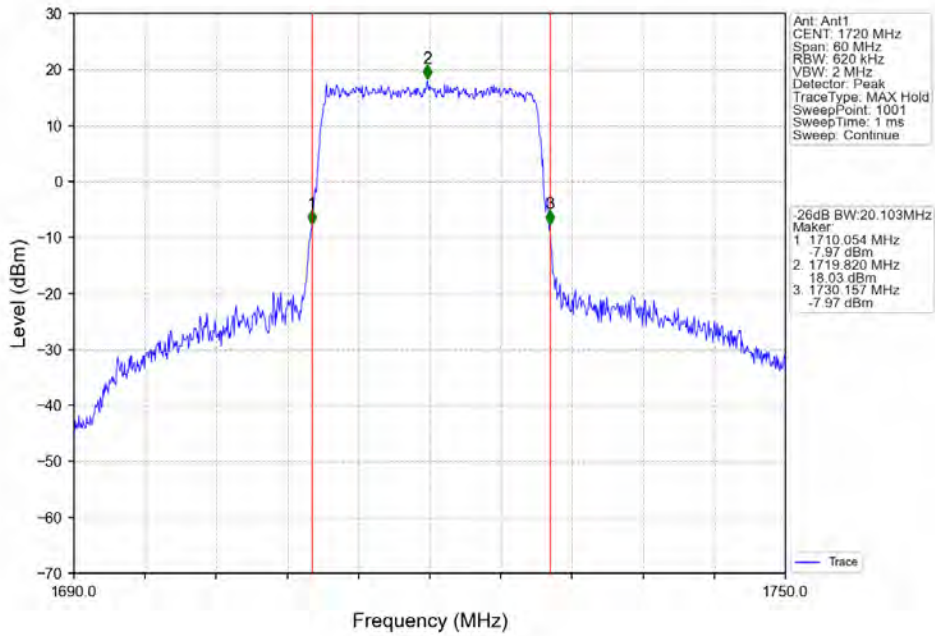
Band66\_20MHz\_QPSK\_MCH\_1745MHz\_RB\_100\_0\_NTNV



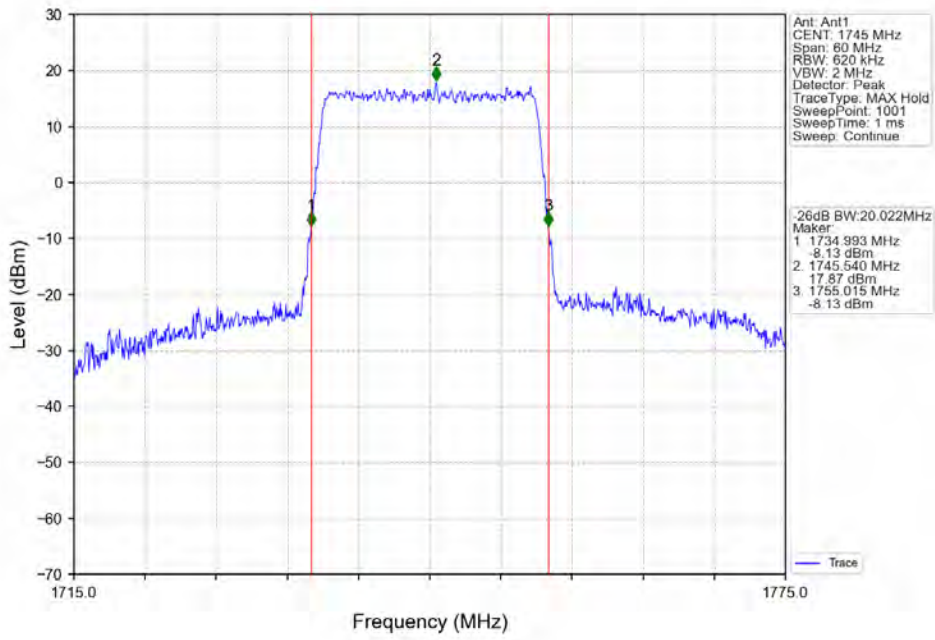
Band66\_20MHz\_QPSK\_HCH\_1770MHz\_RB\_100\_0\_NTNV



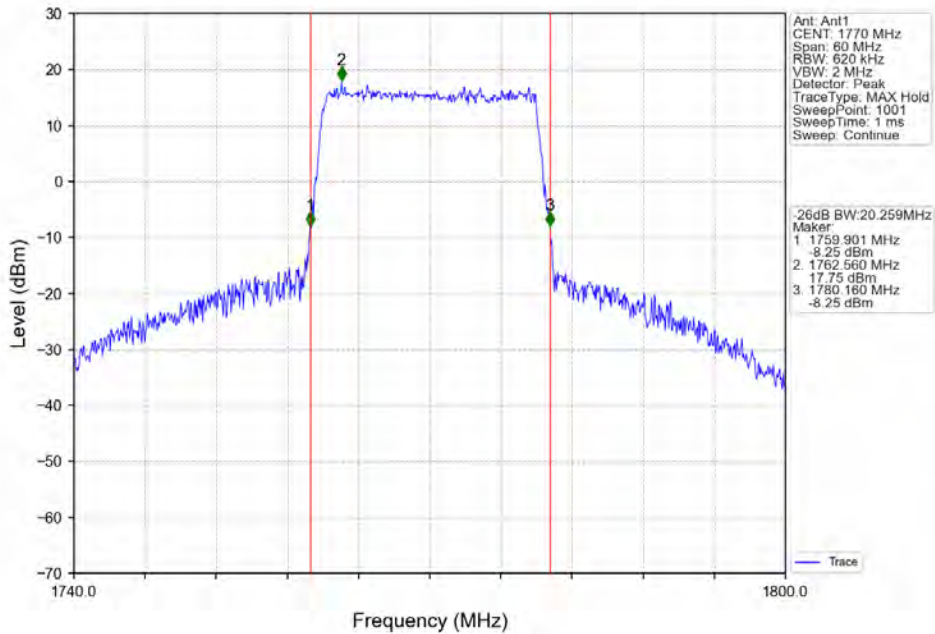
Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_100\_0\_NTNV



Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_100\_0\_NTNV





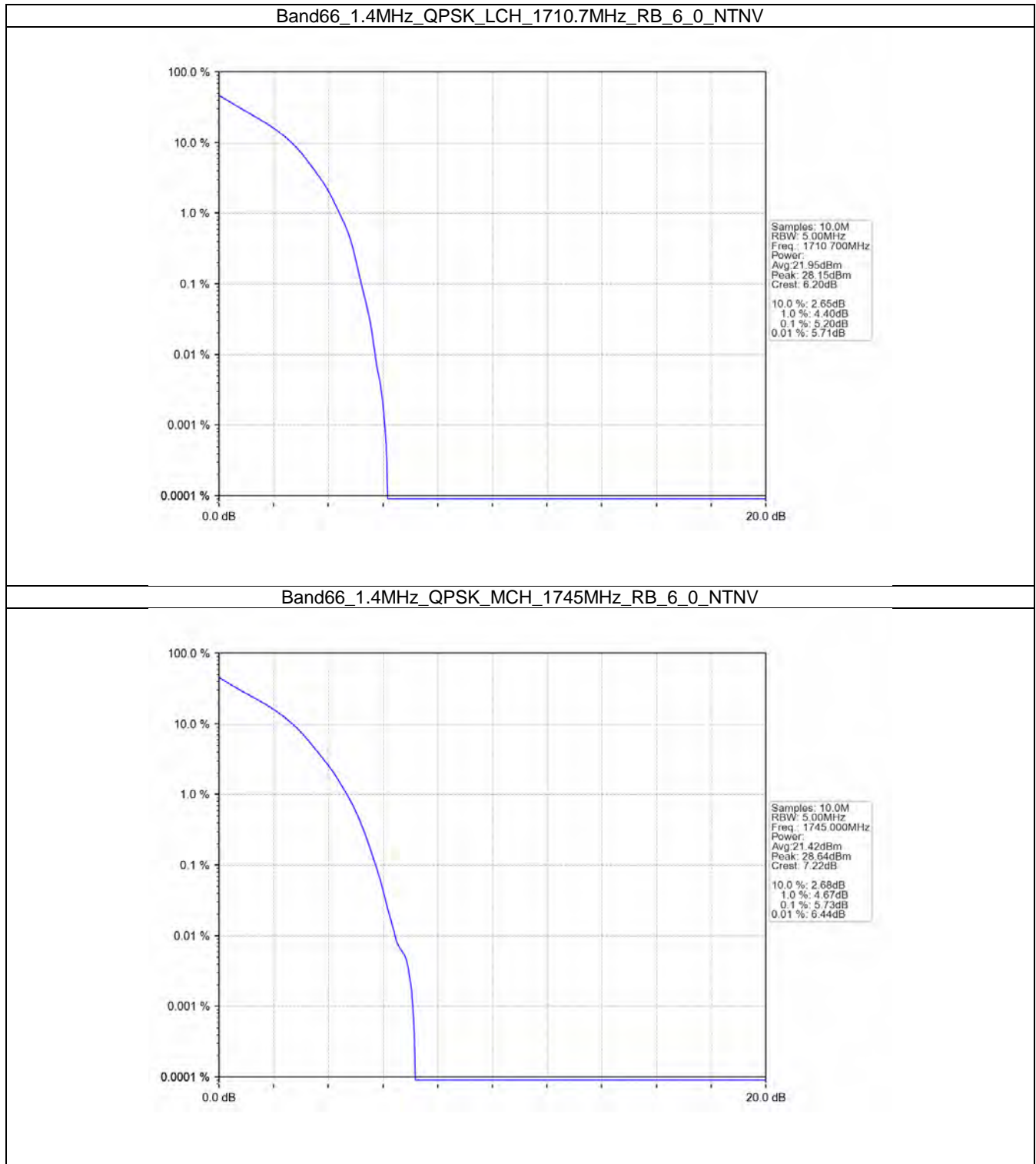
## 5. Peak-Average Ratio

### 5.1 B66\_1.4MHz

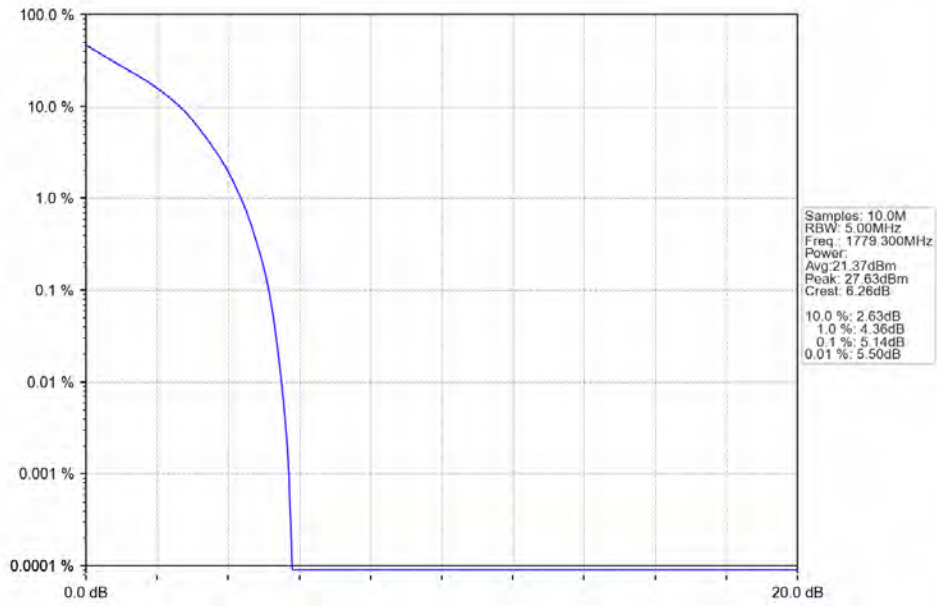
#### 5.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.20	<=13	Pass
	1745	6	0	5.73	<=13	Pass
	1779.3	6	0	5.14	<=13	Pass
16QAM	1710.7	6	0	6.05	<=13	Pass
	1745	6	0	6.48	<=13	Pass
	1779.3	6	0	5.94	<=13	Pass

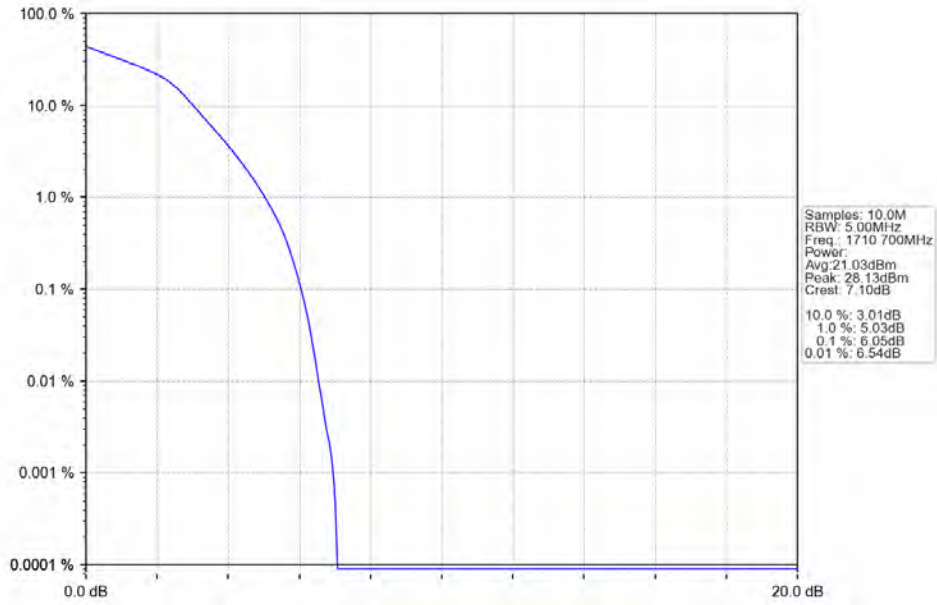
### 5.1.2 Test Graph



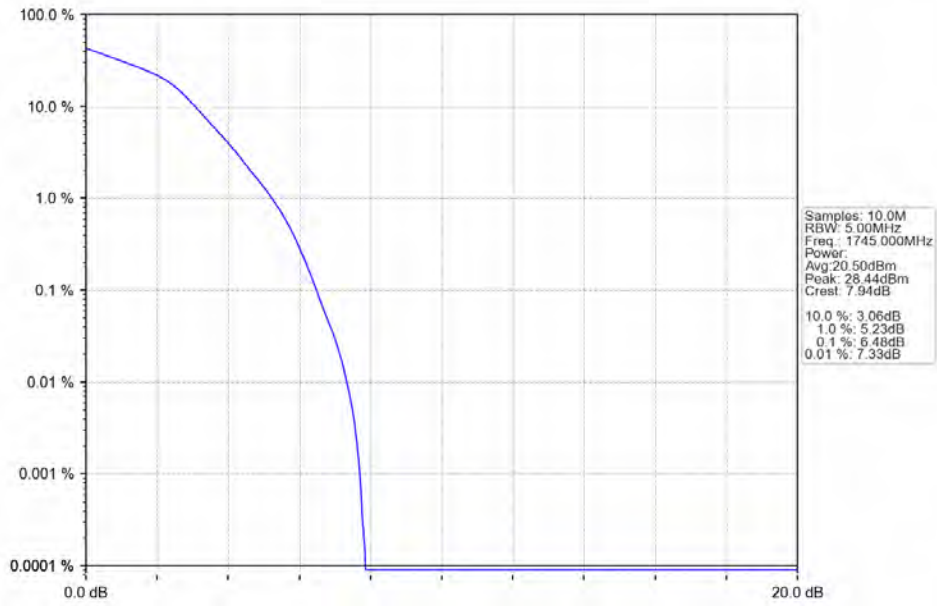
Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



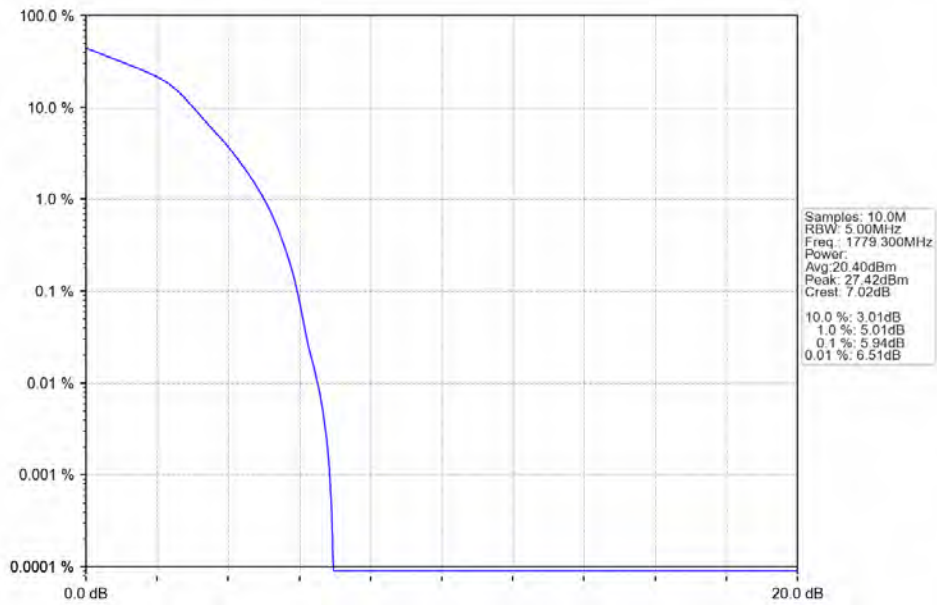
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV



Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV

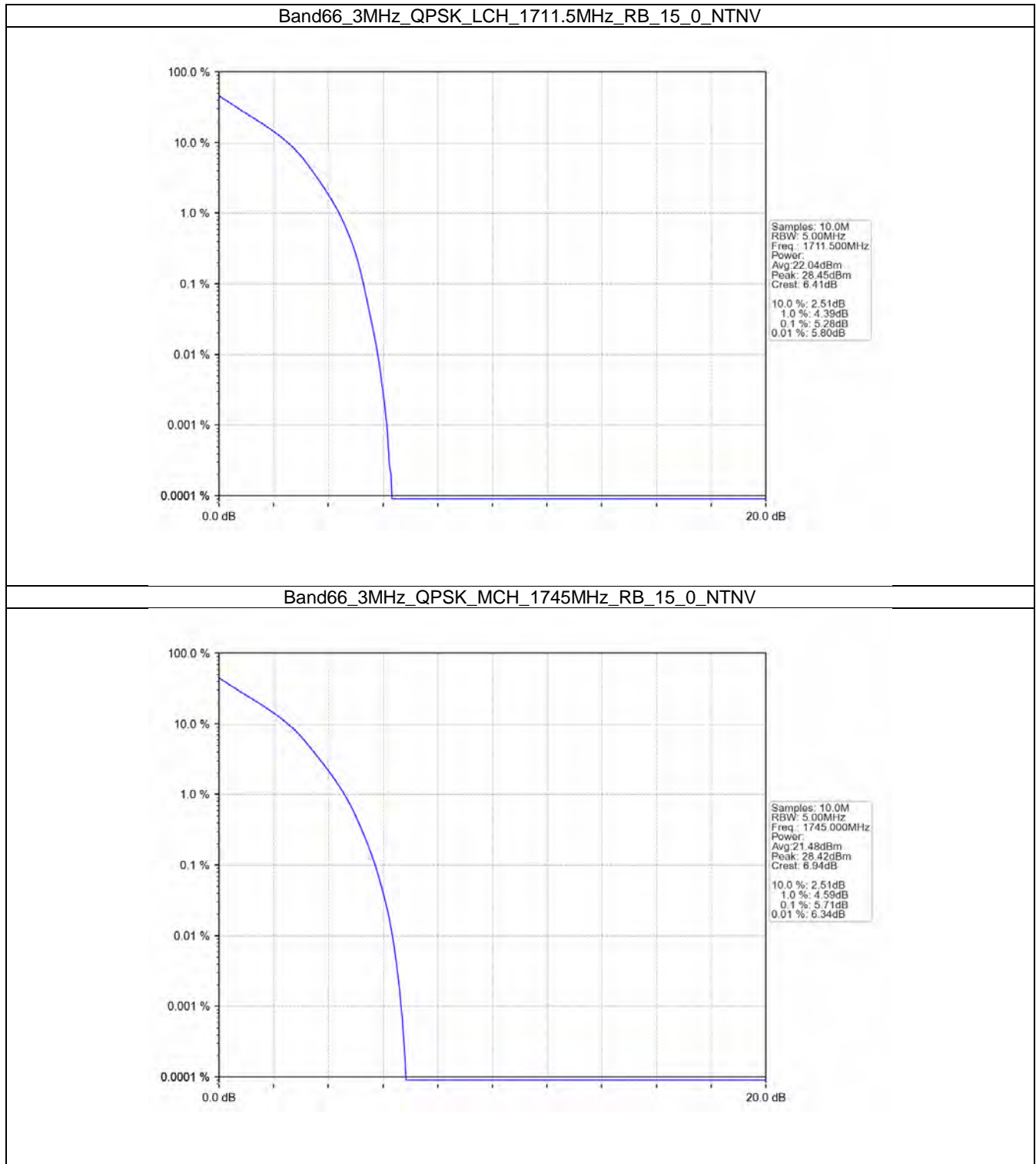


## 5.2 B66\_3MHz

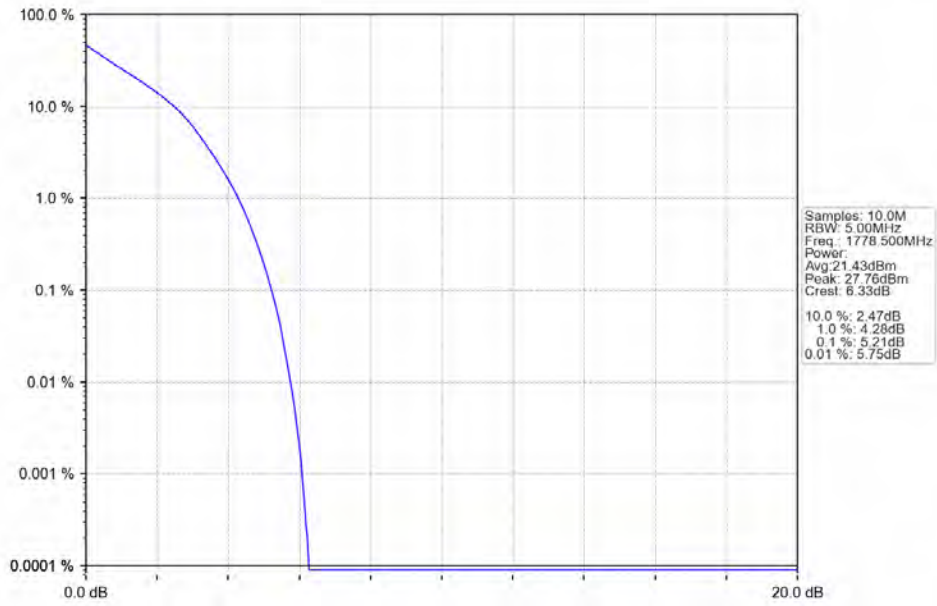
### 5.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.28	<=13	Pass
	1745	15	0	5.71	<=13	Pass
	1778.5	15	0	5.21	<=13	Pass
16QAM	1711.5	15	0	6.07	<=13	Pass
	1745	15	0	6.55	<=13	Pass
	1778.5	15	0	6.02	<=13	Pass

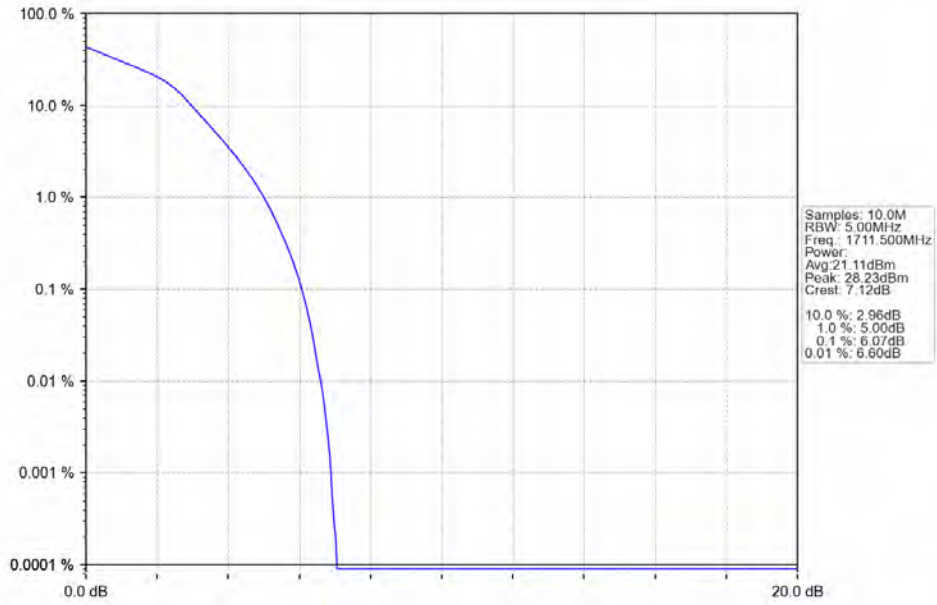
## 5.2.2 Test Graph



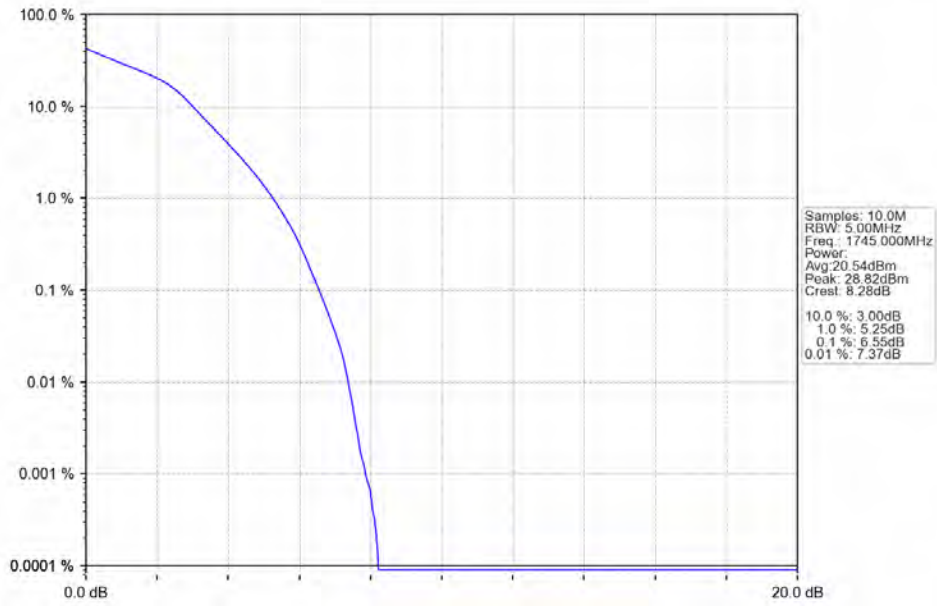
Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



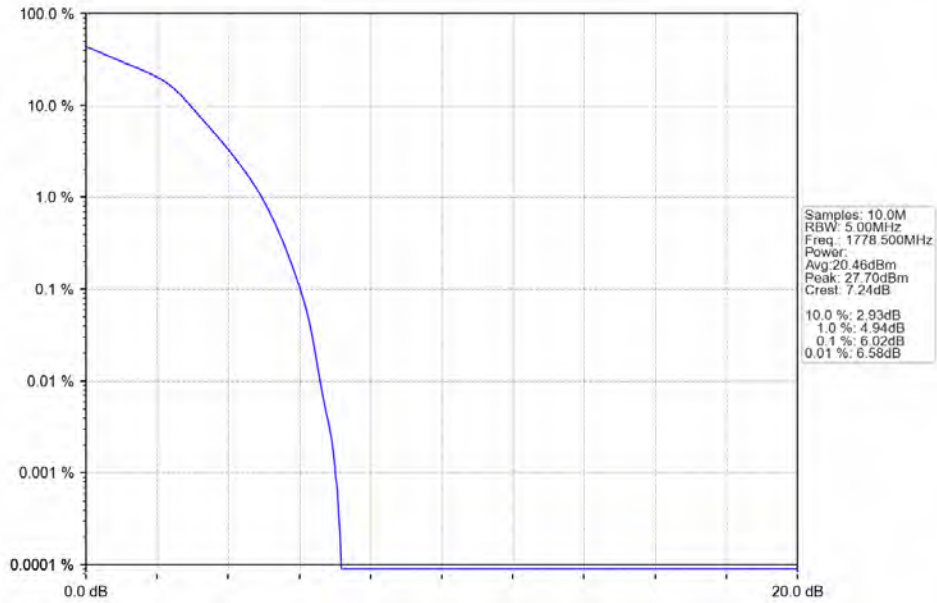
Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



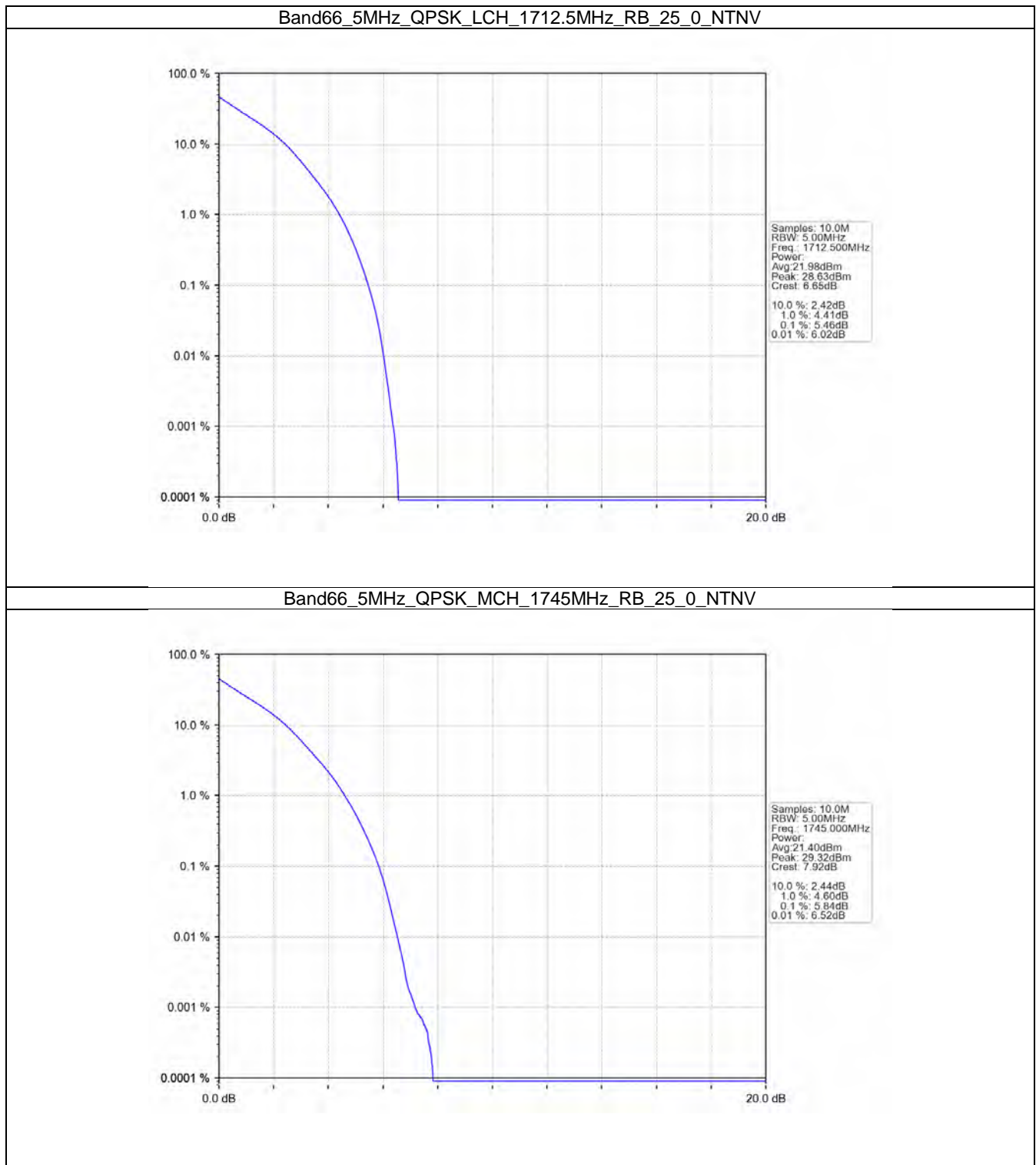


### 5.3 B66\_5MHz

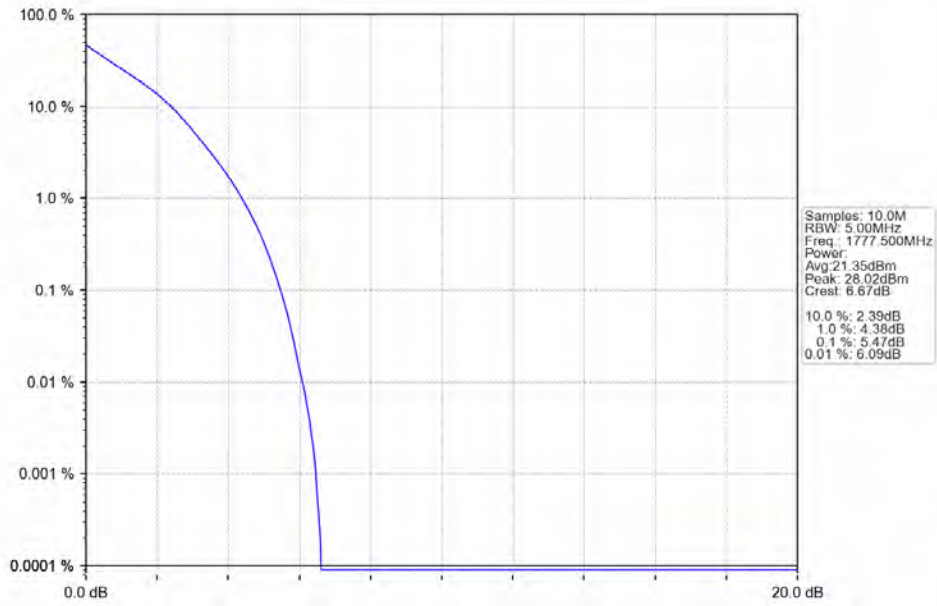
#### 5.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.46	<=13	Pass
	1745	25	0	5.84	<=13	Pass
	1777.5	25	0	5.47	<=13	Pass
16QAM	1712.5	25	0	6.17	<=13	Pass
	1745	25	0	6.53	<=13	Pass
	1777.5	25	0	6.14	<=13	Pass

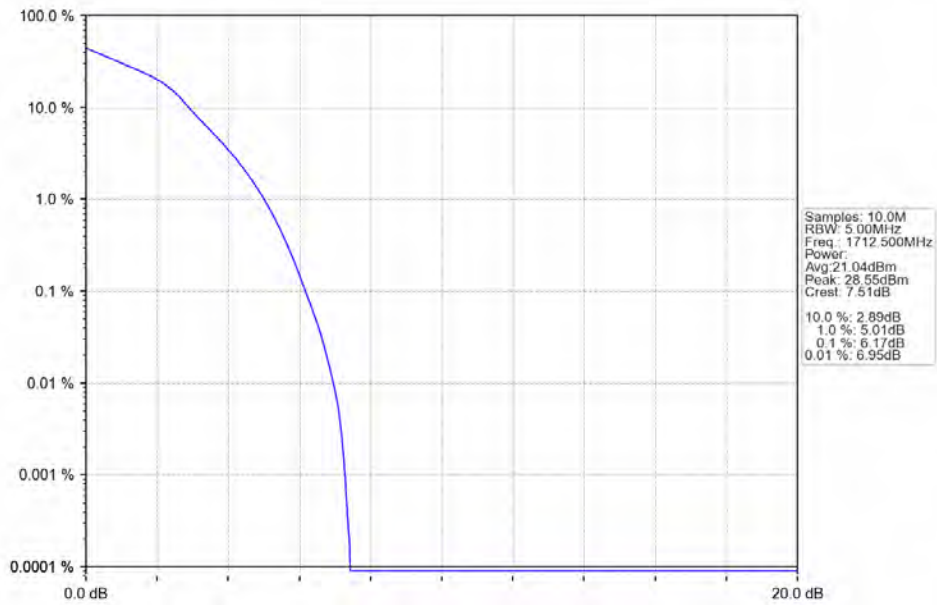
### 5.3.2 Test Graph



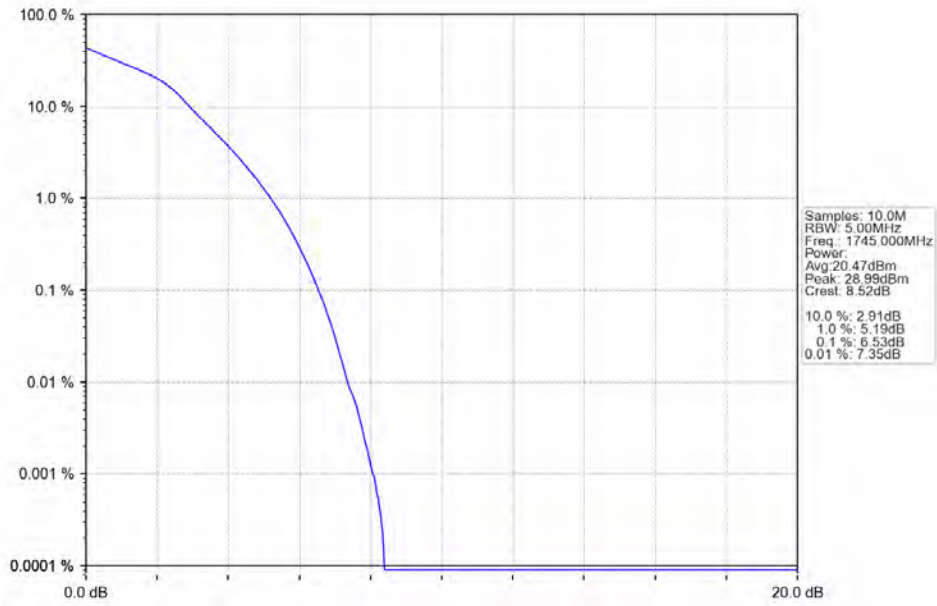
Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



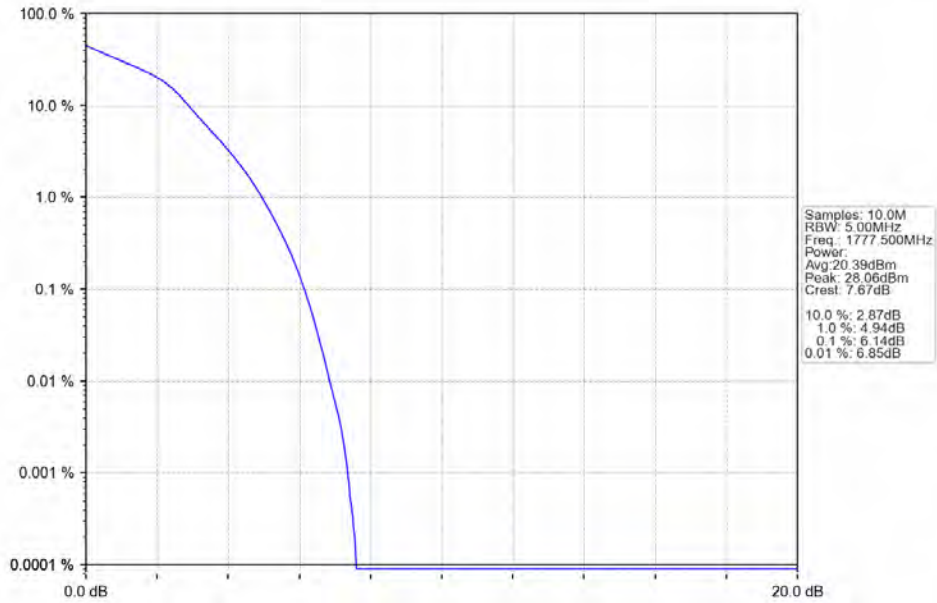
Band66\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV



Band66\_5MHz\_16QAM\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV

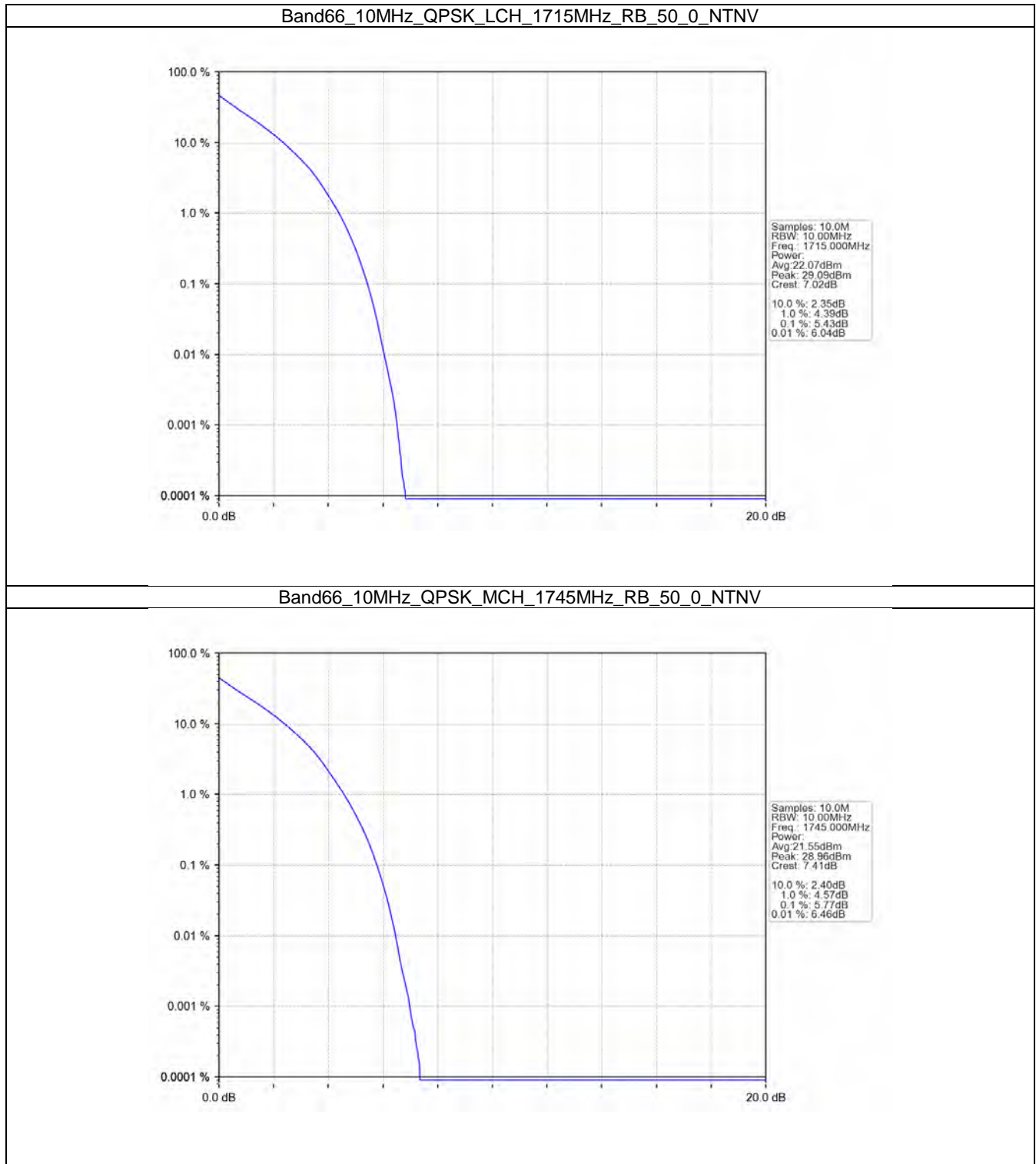


## 5.4 B66\_10MHz

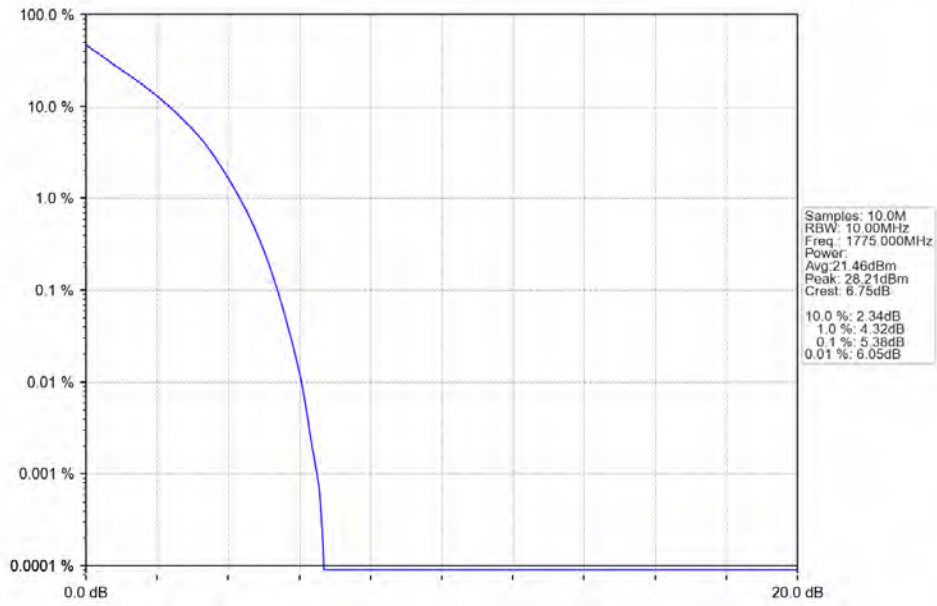
### 5.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.43	<=13	Pass
	1745	50	0	5.77	<=13	Pass
	1775	50	0	5.38	<=13	Pass
16QAM	1715	50	0	6.18	<=13	Pass
	1745	50	0	6.54	<=13	Pass
	1775	50	0	6.09	<=13	Pass

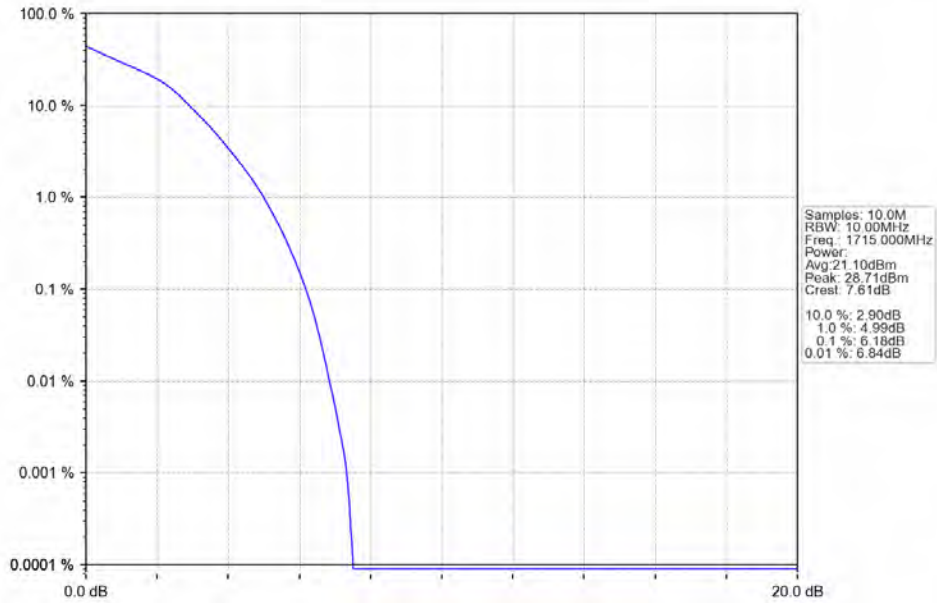
### 5.4.2 Test Graph



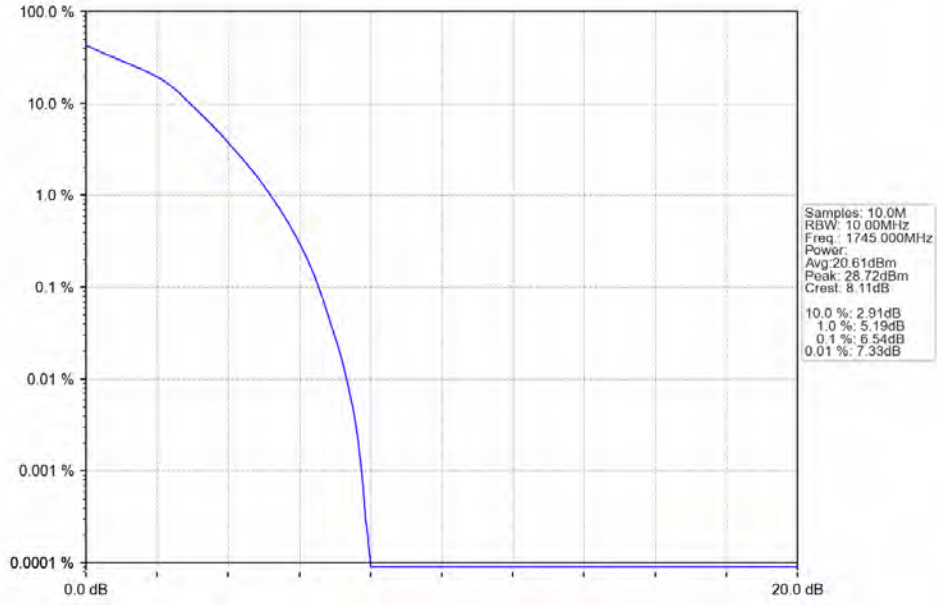
Band66\_10MHz\_QPSK\_HCH\_1775MHz\_RB\_50\_0\_NTNV



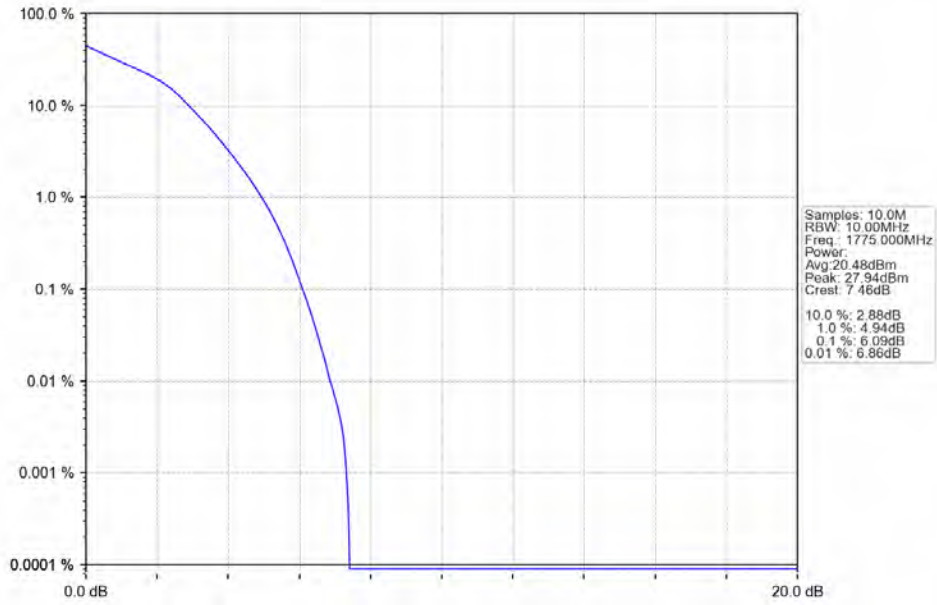
Band66\_10MHz\_16QAM\_LCH\_1715MHz\_RB\_50\_0\_NTNV



Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_50\_0\_NTNV



Band66\_10MHz\_16QAM\_HCH\_1775MHz\_RB\_50\_0\_NTNV



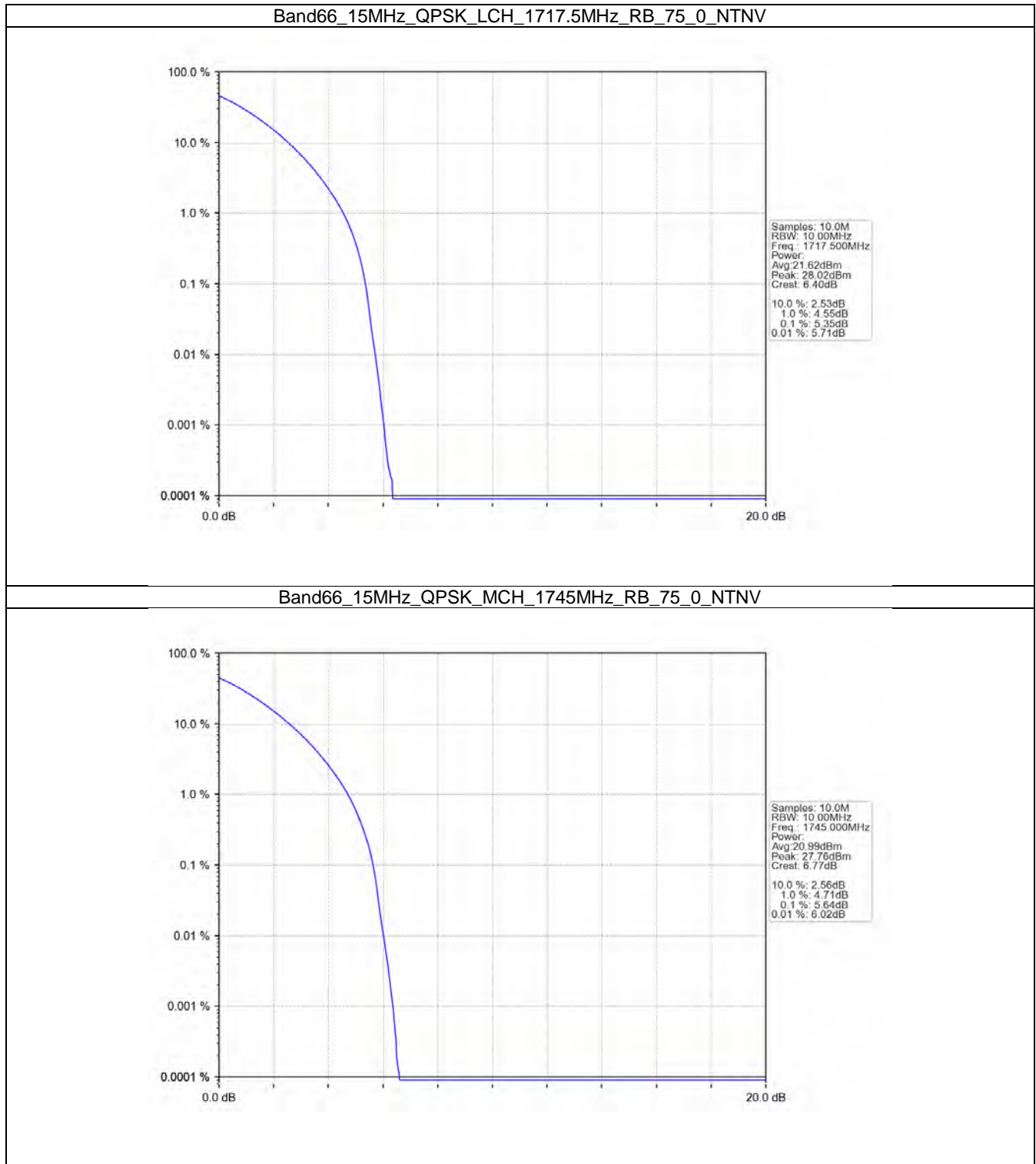


## 5.5 B66\_15MHz

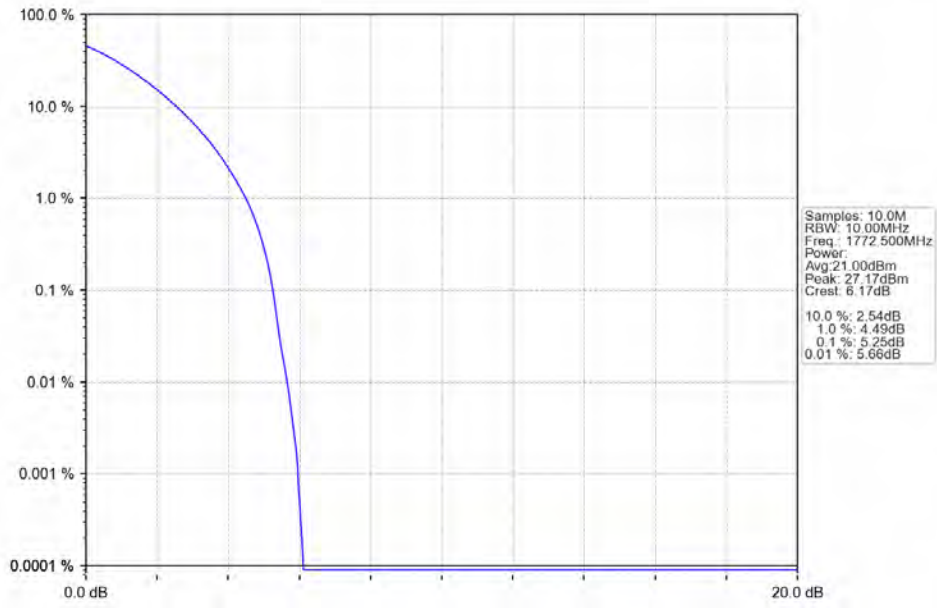
### 5.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.35	<=13	Pass
	1745	75	0	5.64	<=13	Pass
	1772.5	75	0	5.25	<=13	Pass
16QAM	1717.5	75	0	6.12	<=13	Pass
	1745	75	0	6.36	<=13	Pass
	1772.5	75	0	6.00	<=13	Pass

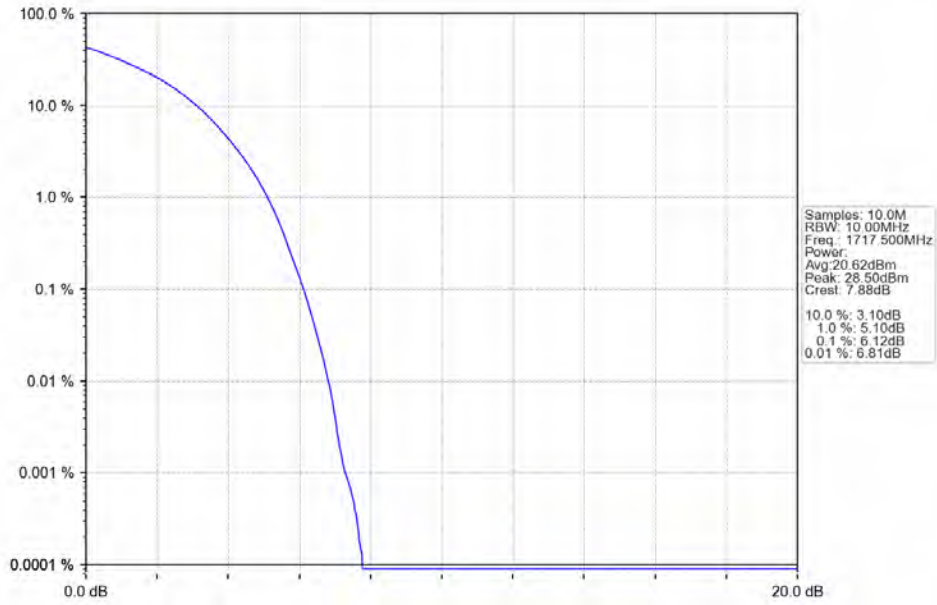
### 5.5.2 Test Graph



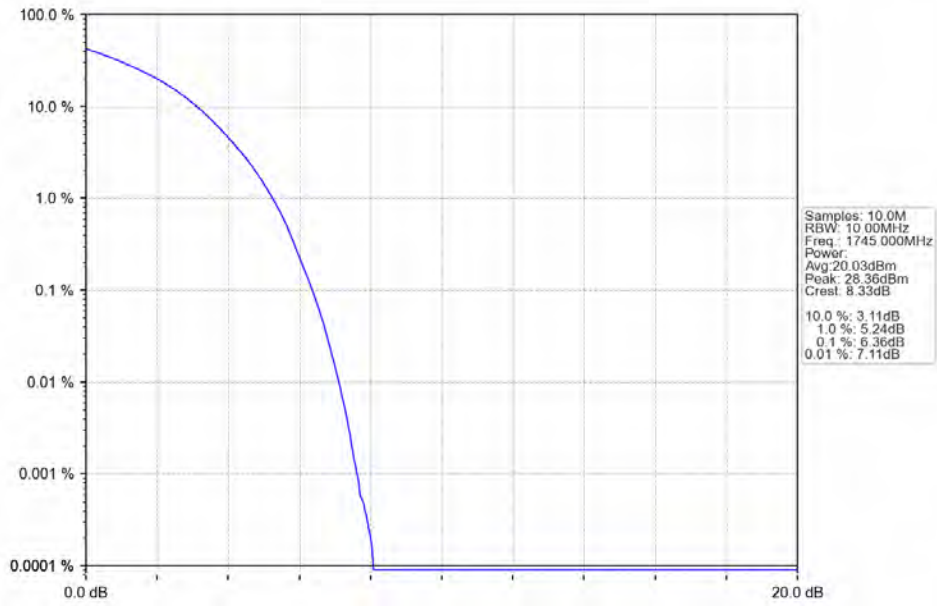
Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV



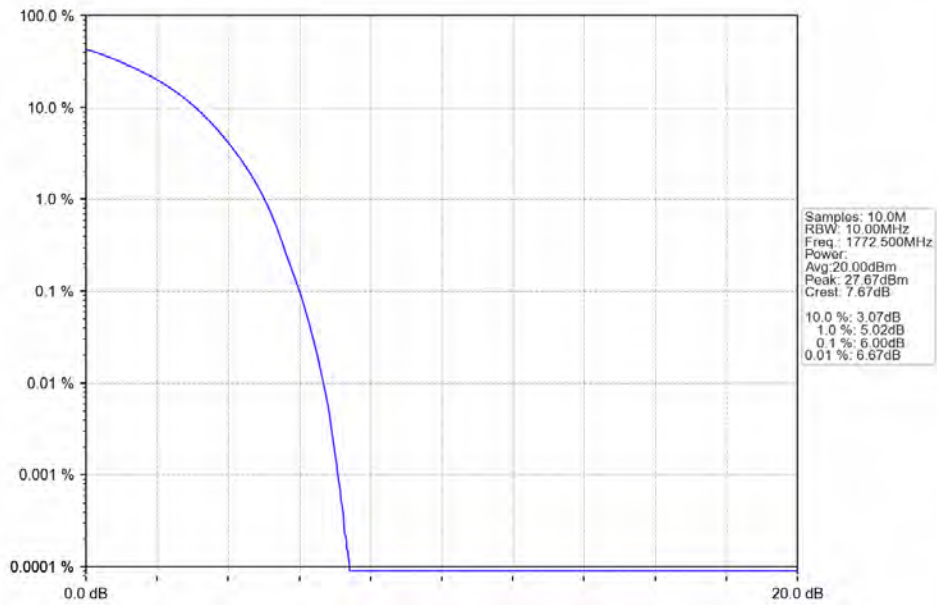
Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV



Band66\_15MHz\_16QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV



Band66\_15MHz\_16QAM\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV

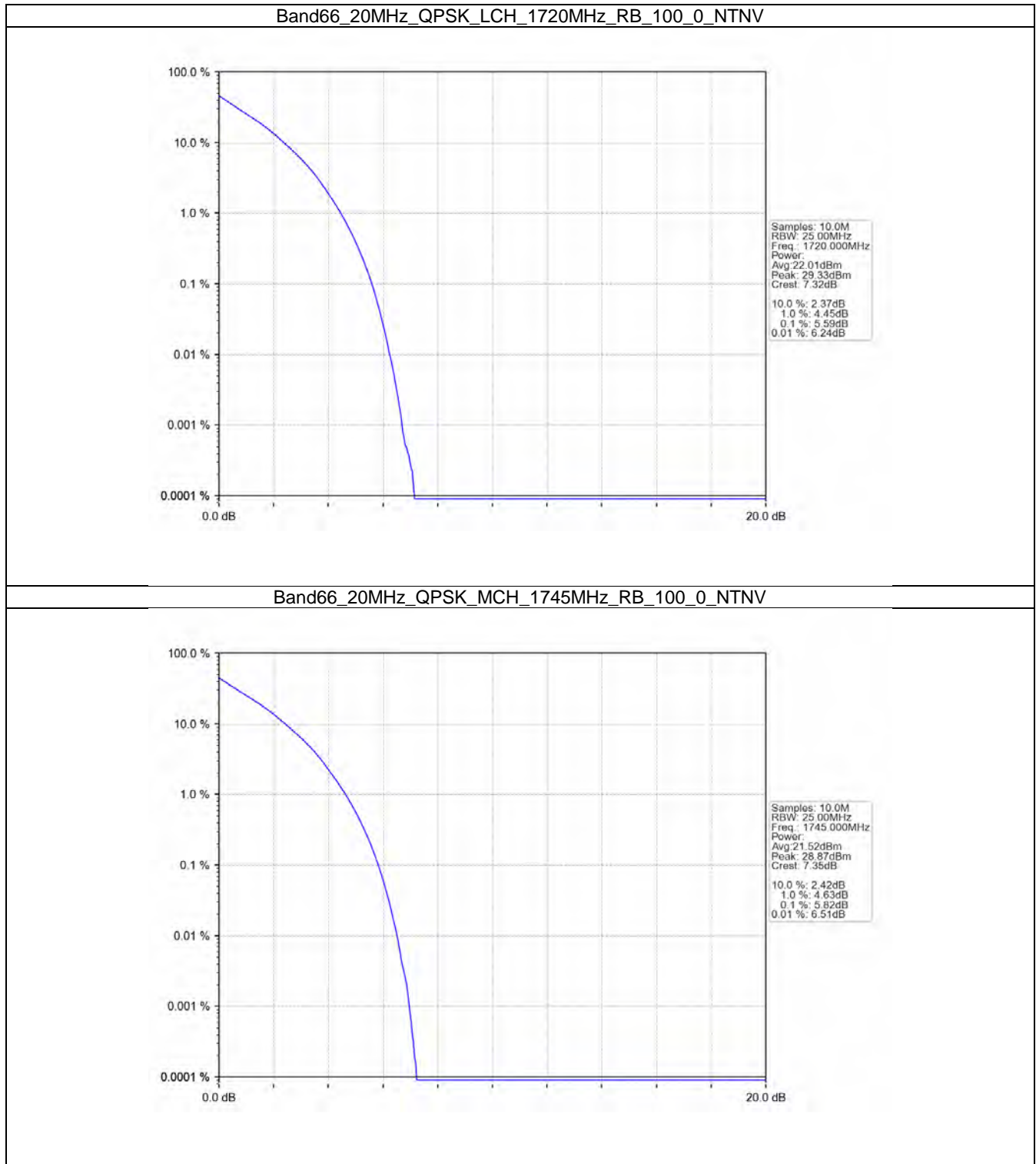


## 5.6 B66\_20MHz

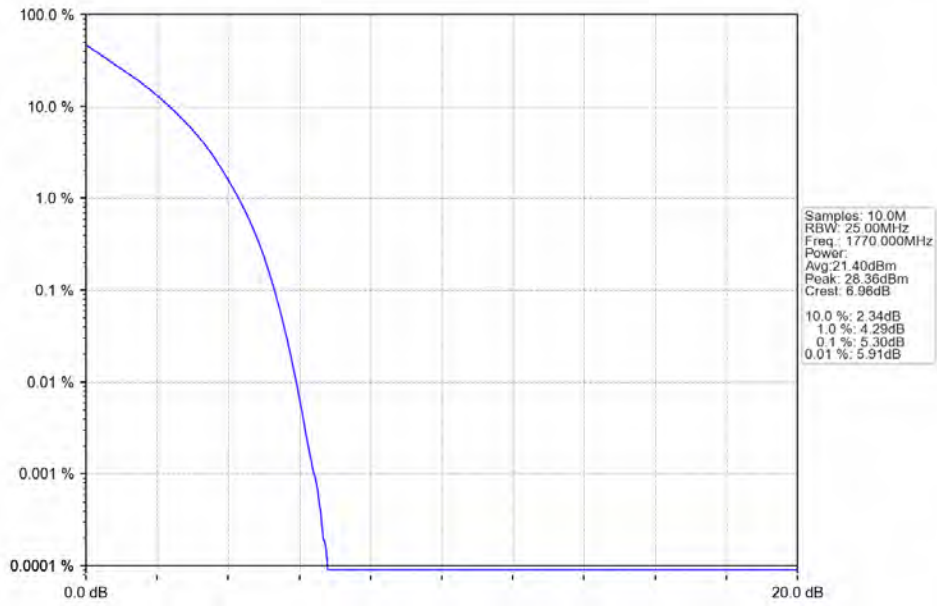
### 5.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.59	<=13	Pass
	1745	100	0	5.82	<=13	Pass
	1770	100	0	5.30	<=13	Pass
16QAM	1720	100	0	6.28	<=13	Pass
	1745	100	0	6.57	<=13	Pass
	1770	100	0	6.03	<=13	Pass

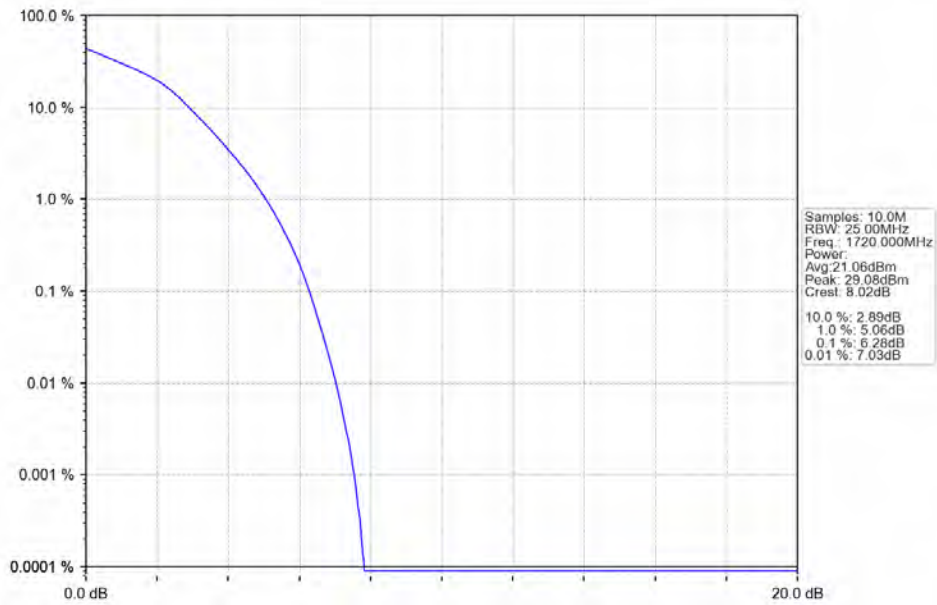
### 5.6.2 Test Graph



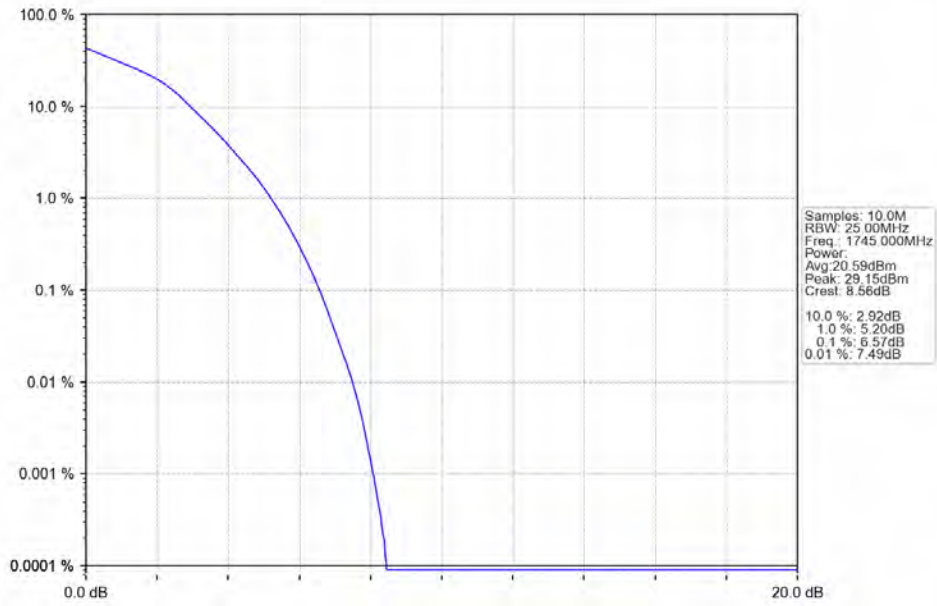
Band66\_20MHz\_QPSK\_HCH\_1770MHz\_RB\_100\_0\_NTNV



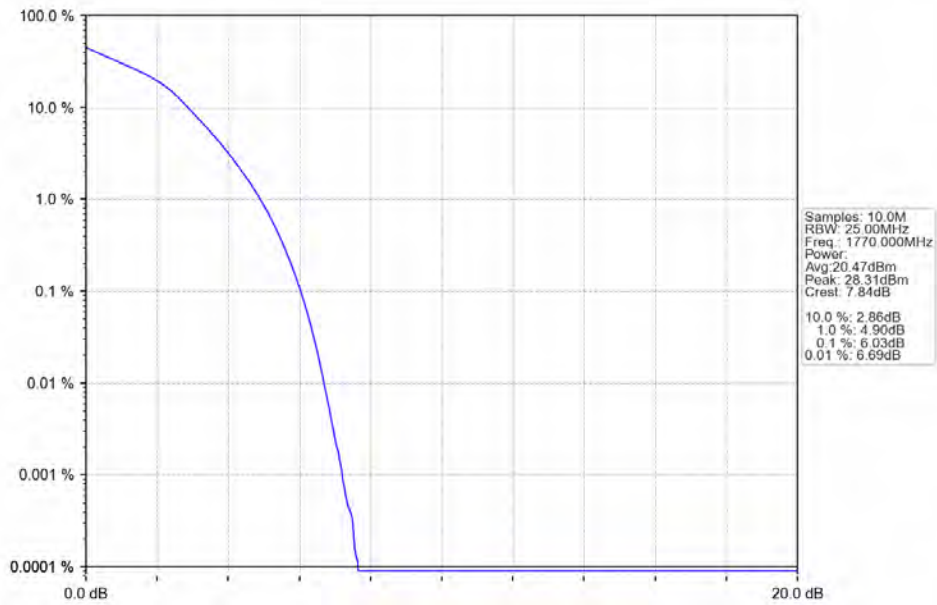
Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_100\_0\_NTNV



Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_100\_0\_NTNV





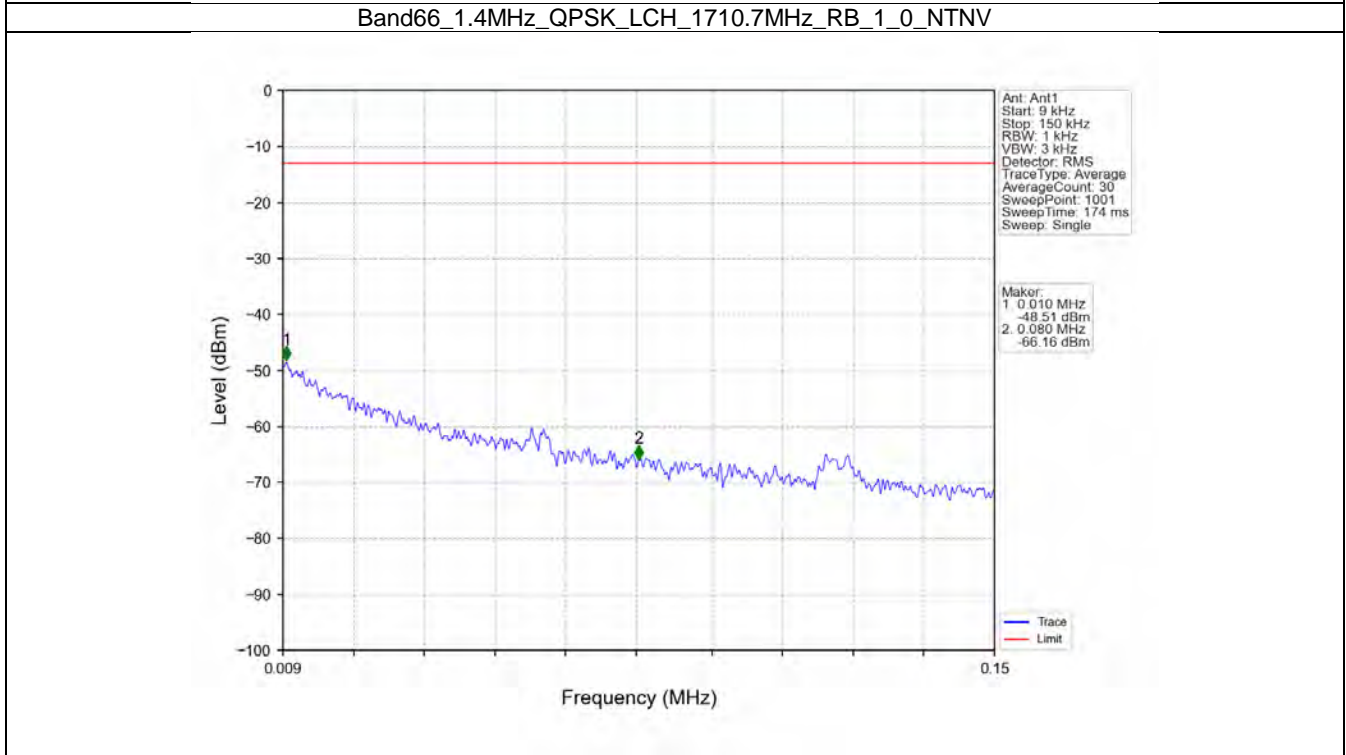
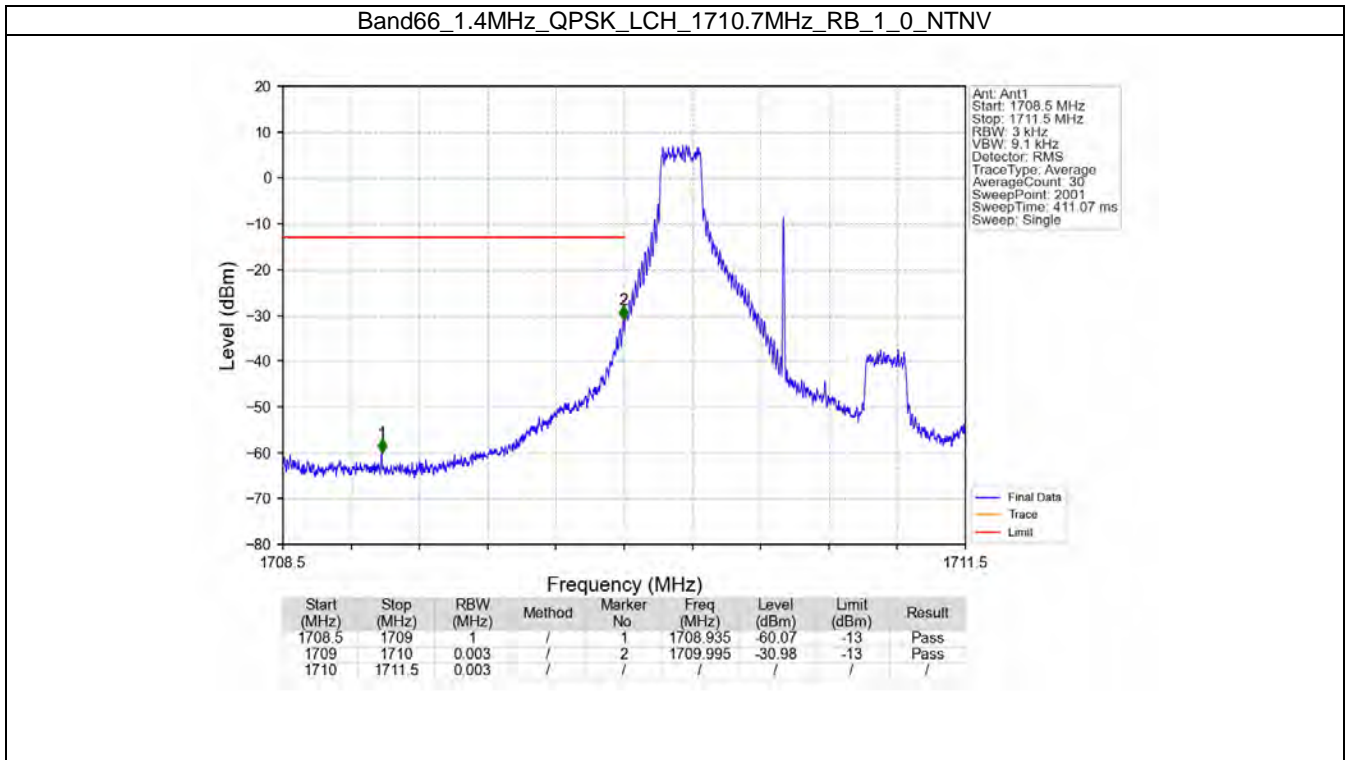
## 6. Spurious Emission

### 6.1 B66\_1.4MHz

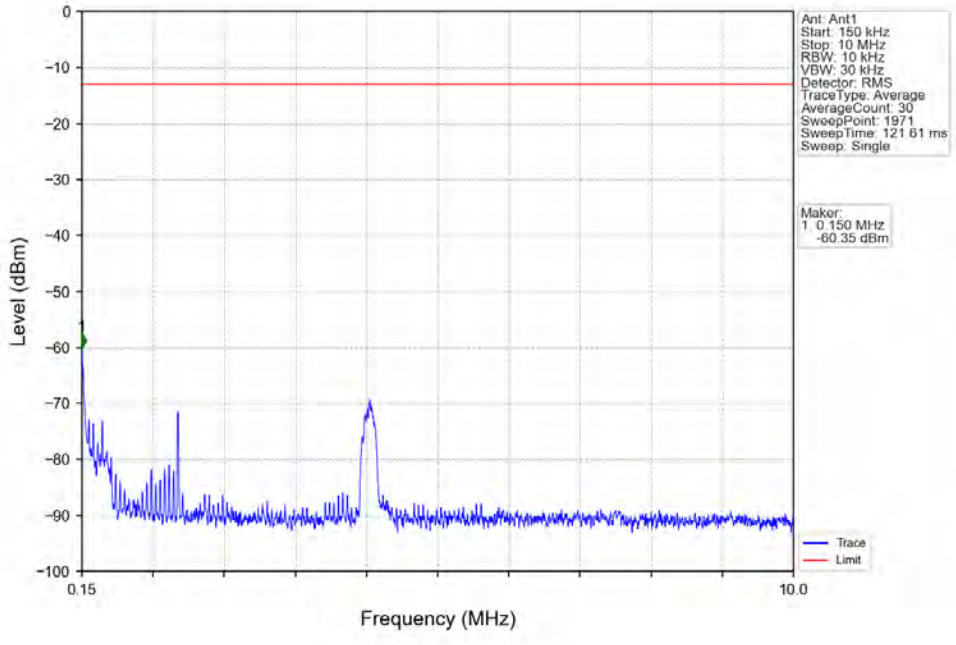
#### 6.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
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
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

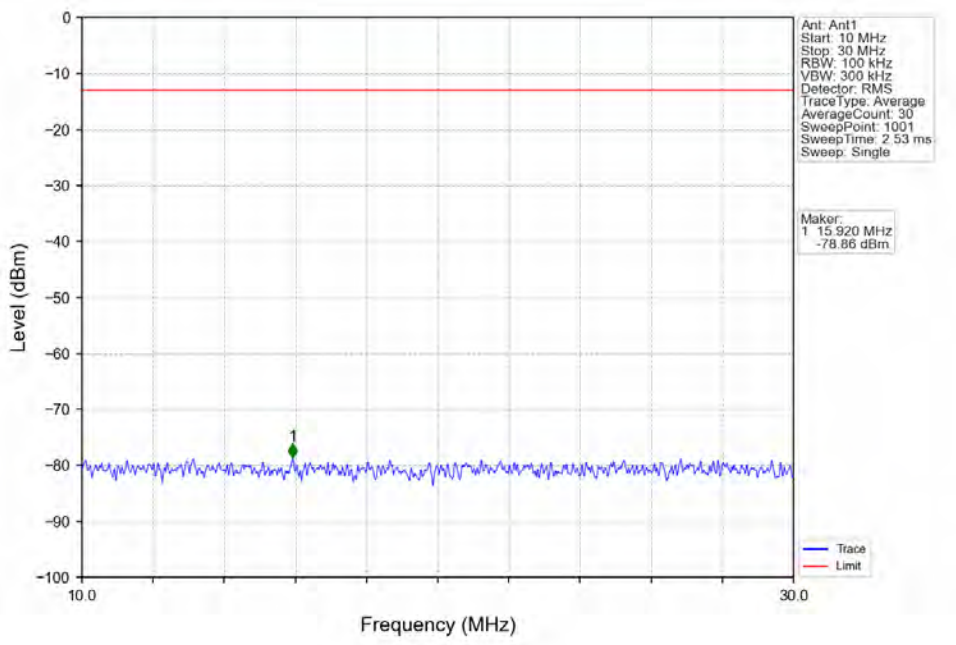
### 6.1.2 Test Graph



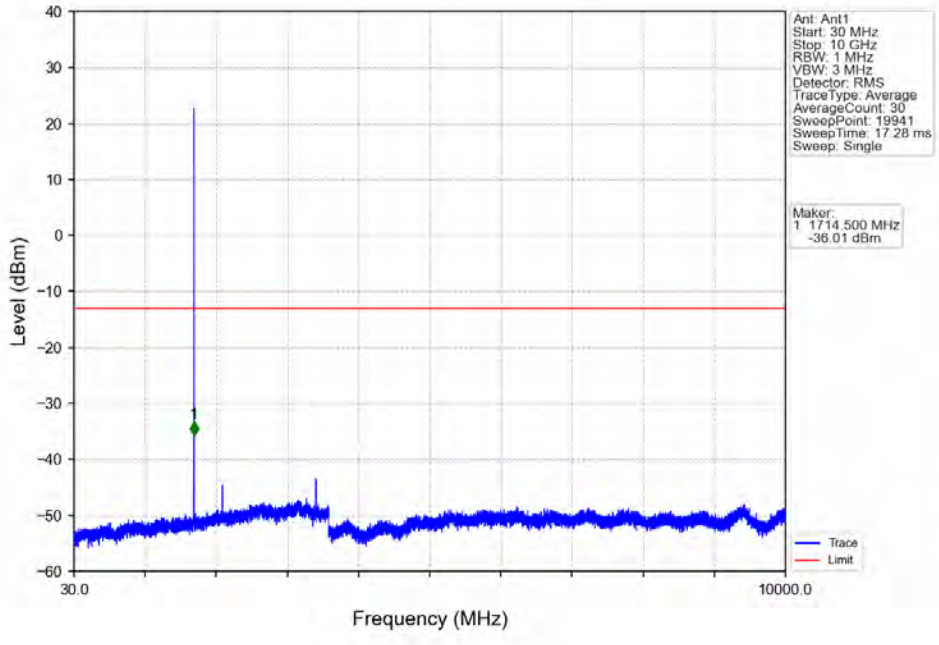
Band66\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



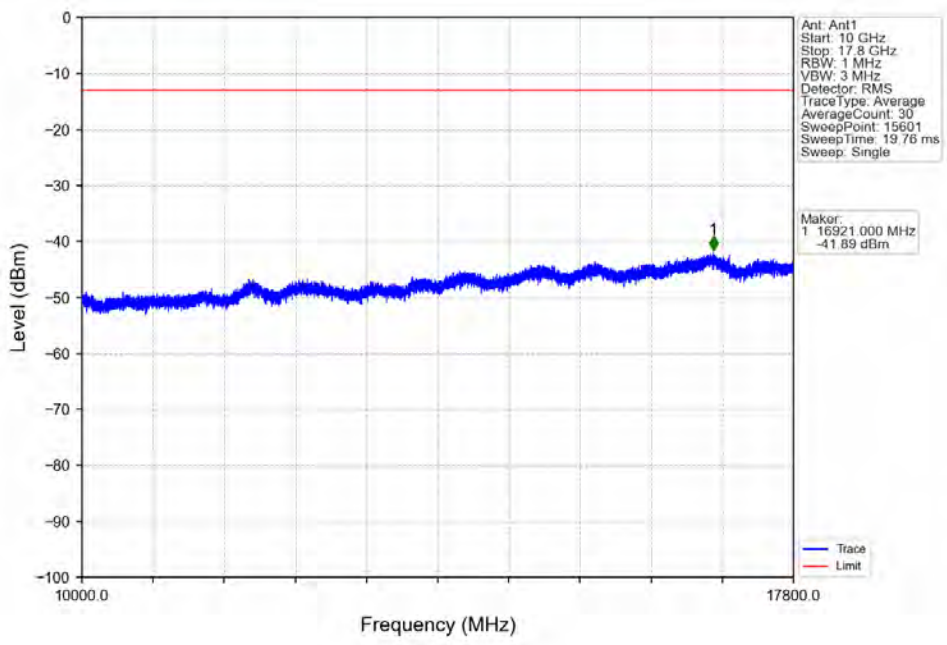
Band66\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



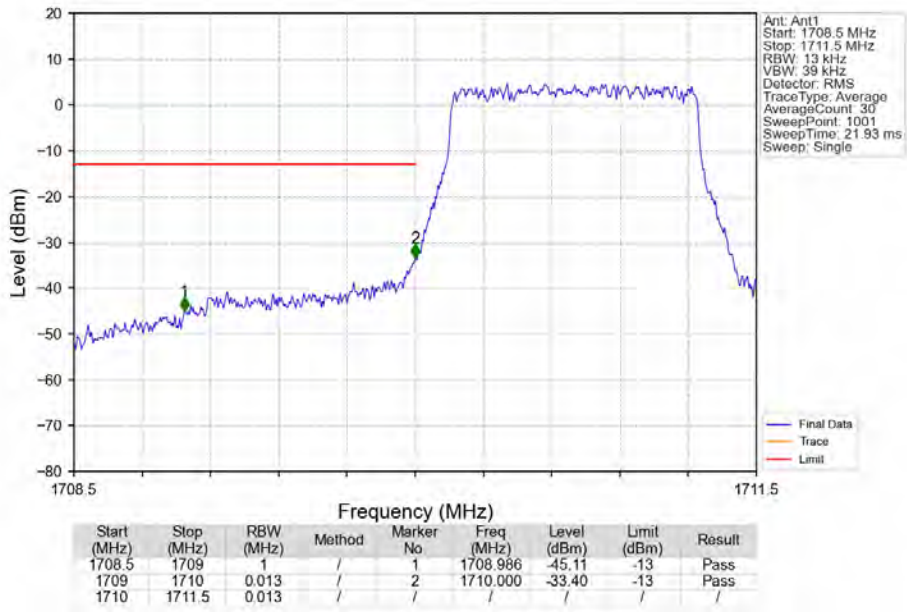
Band66\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



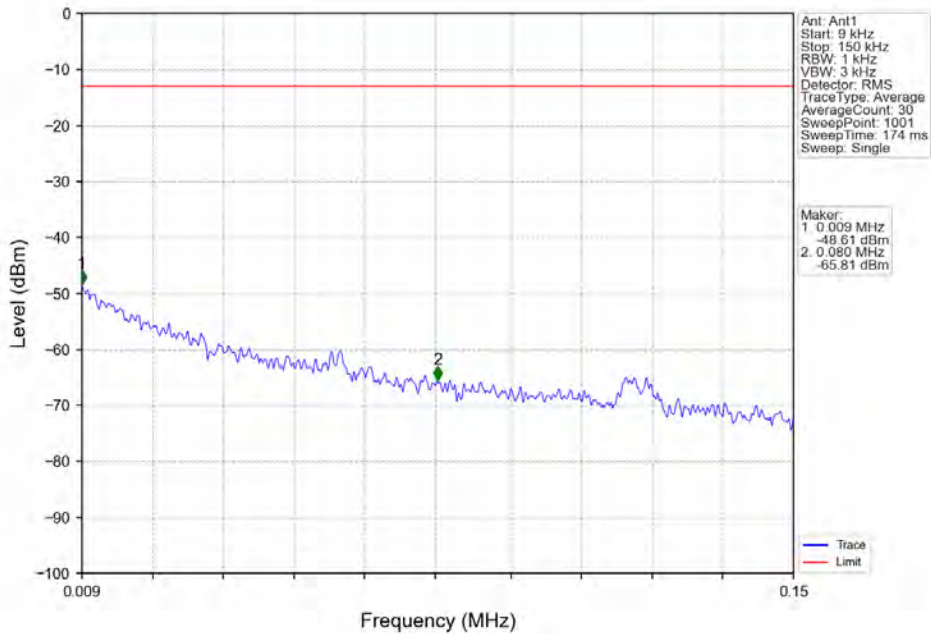
Band66\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



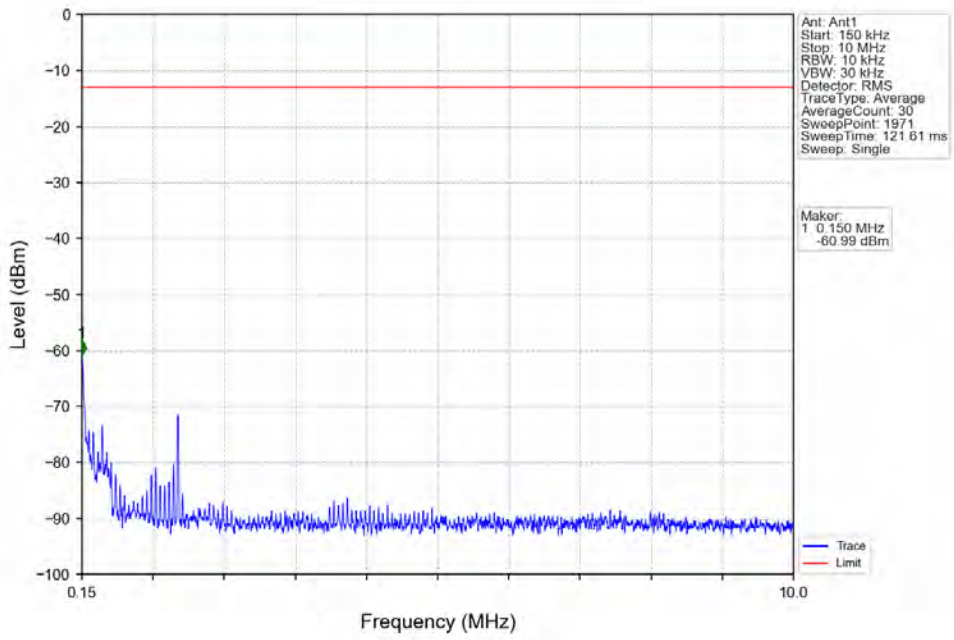
Band66\_1.4MHz\_QPSK\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



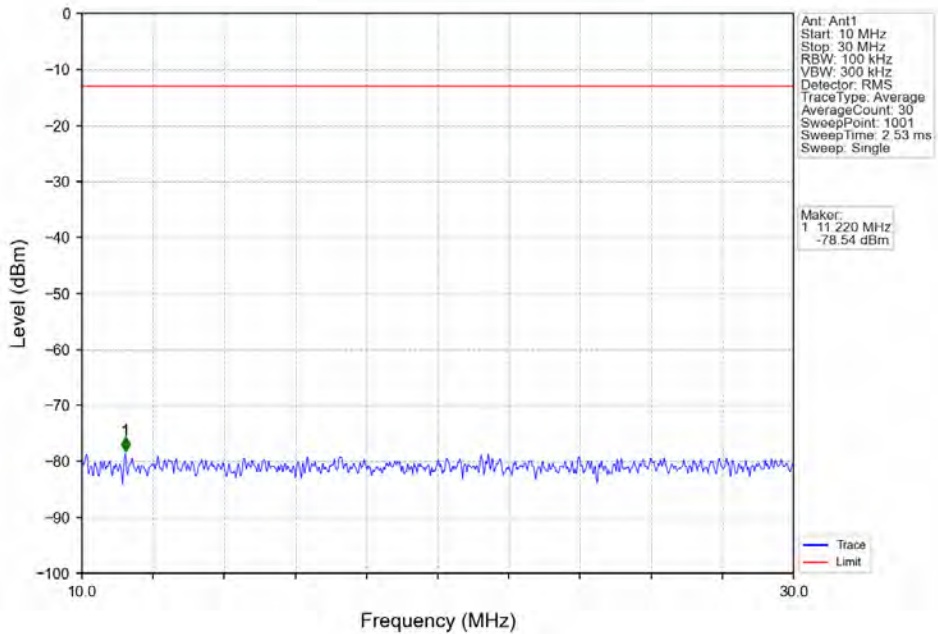
Band66\_1.4MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



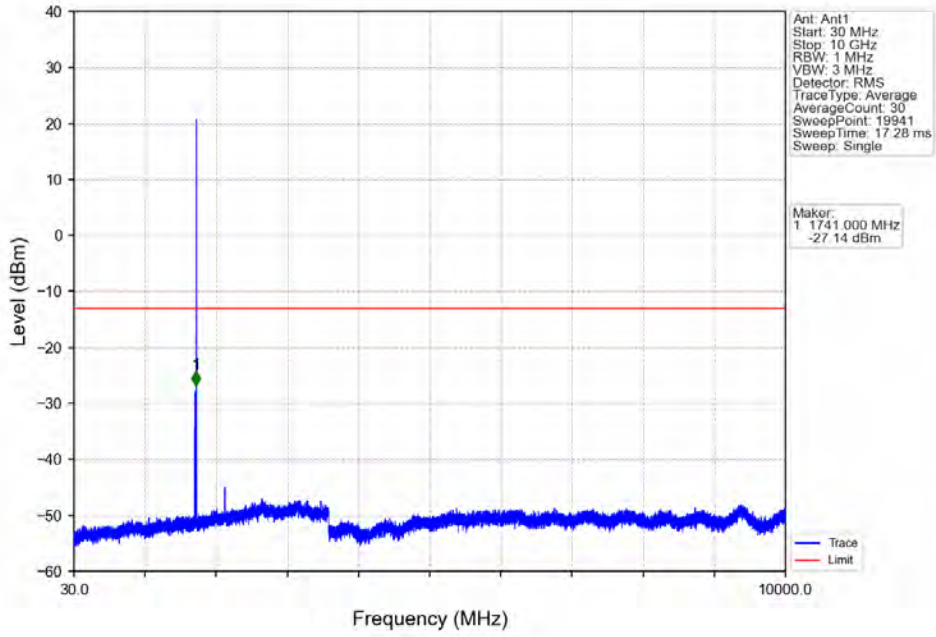
Band66\_1.4MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



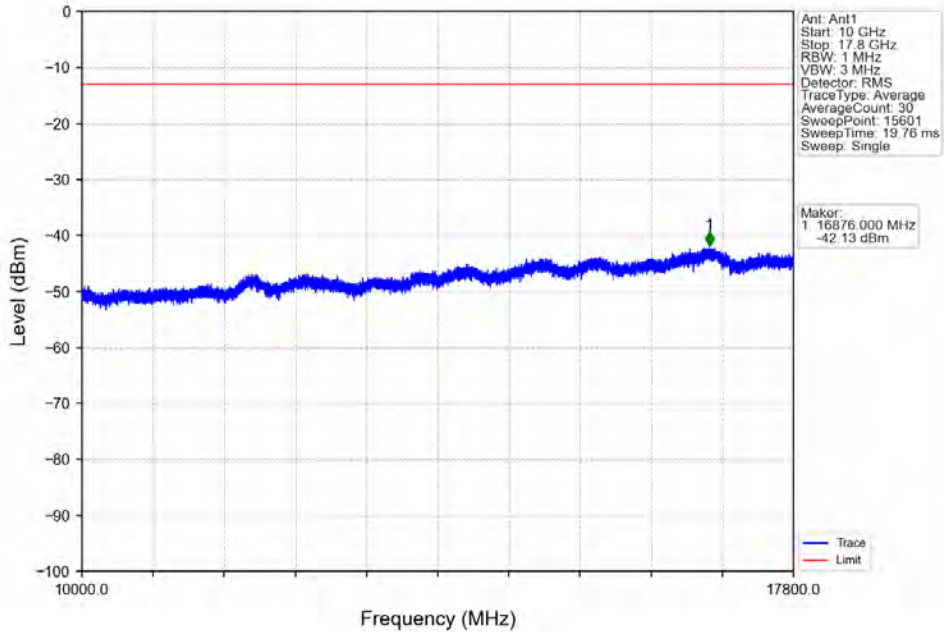
Band66\_1.4MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



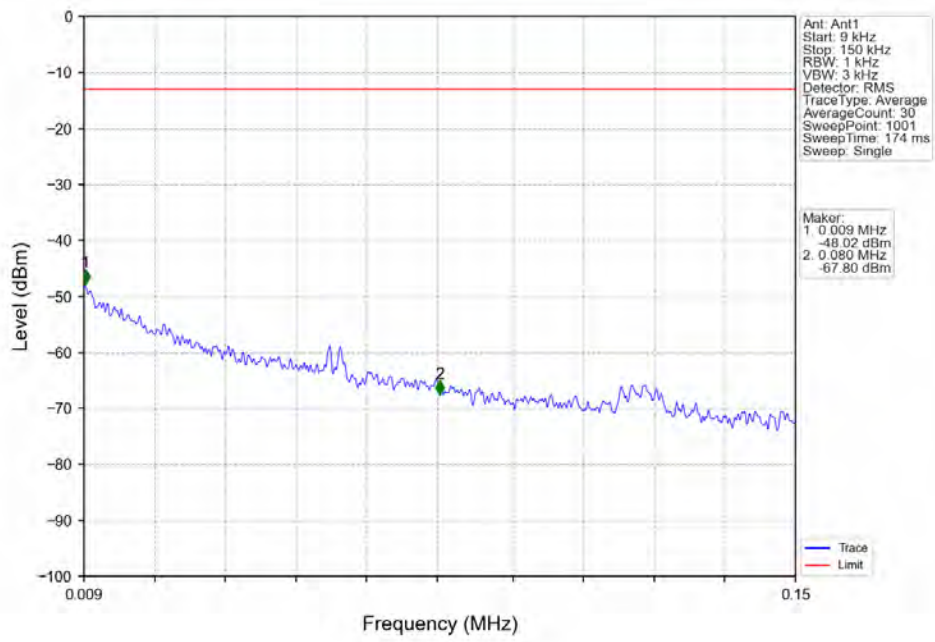
Band66\_1.4MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



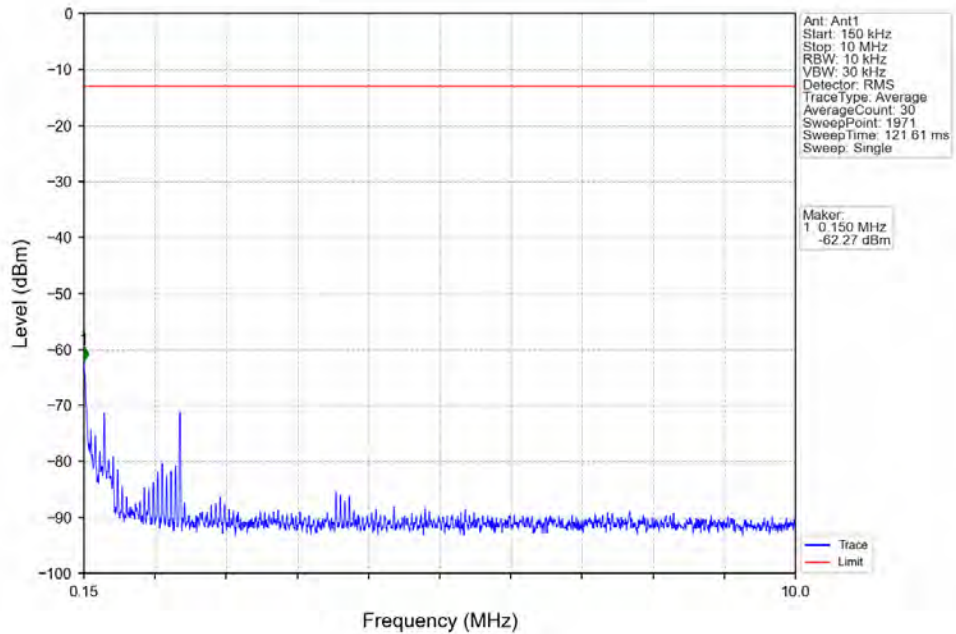
Band66\_1.4MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV

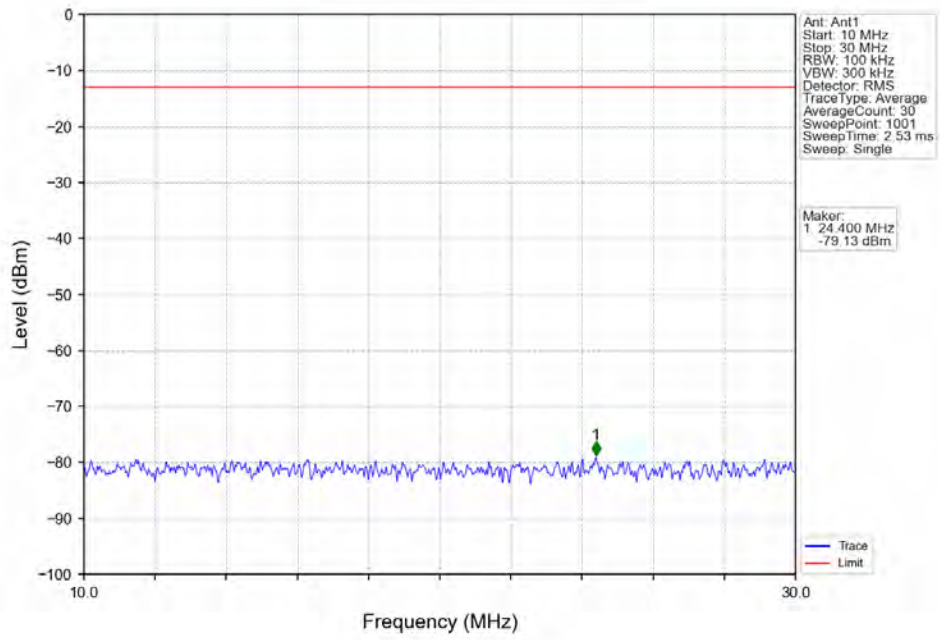


Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV

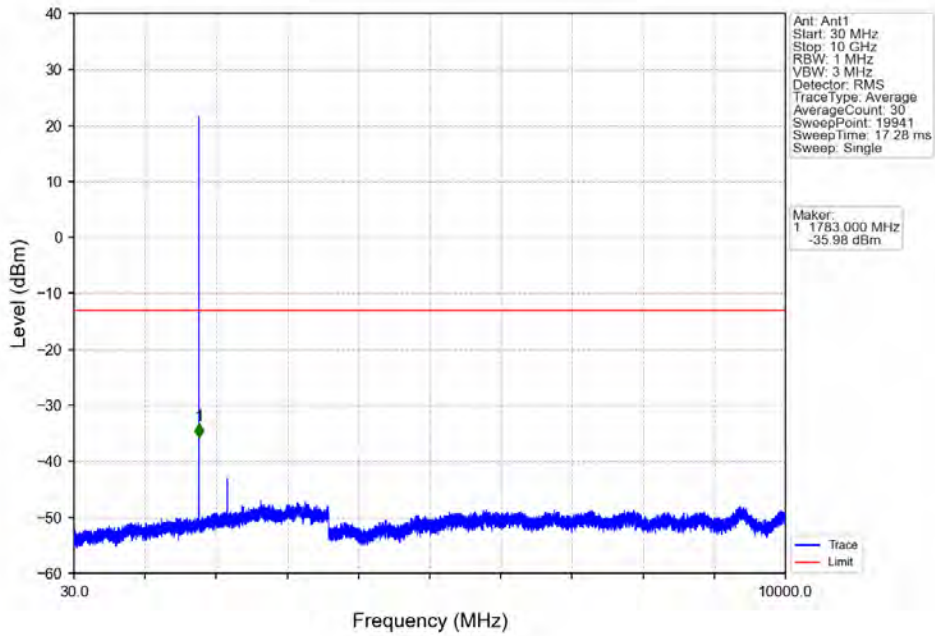




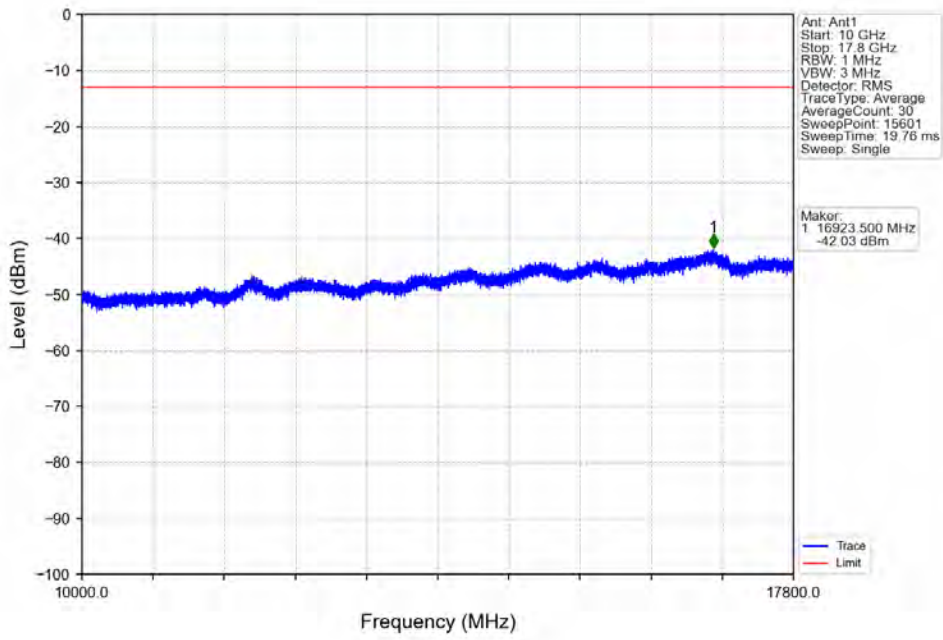
Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV



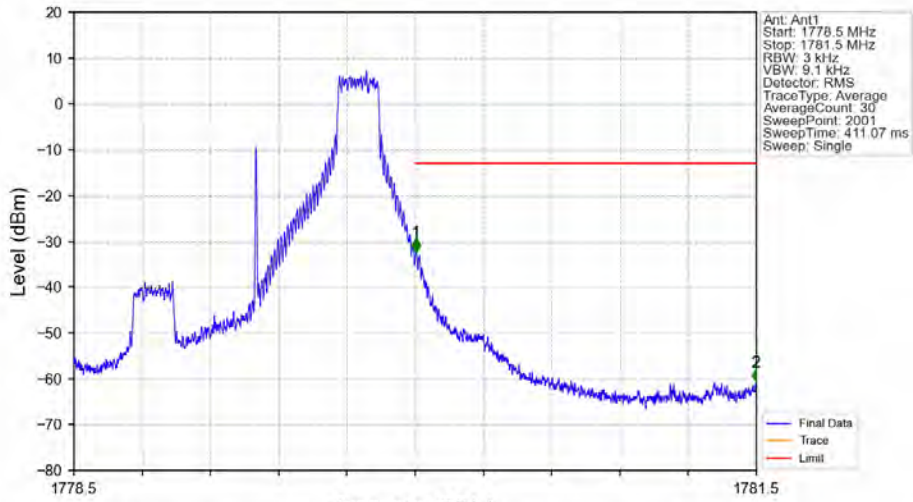
Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV



Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV

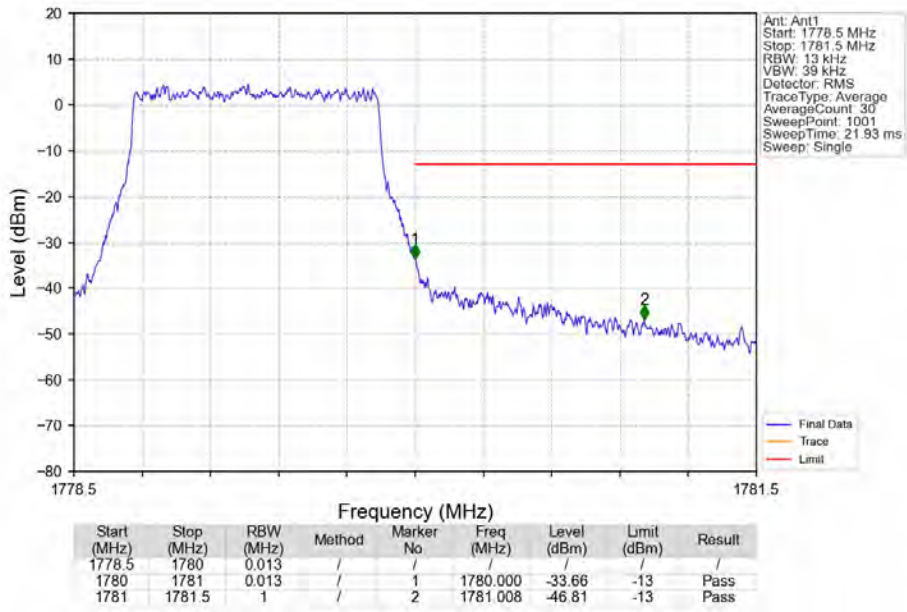


Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_1\_5\_NTNV

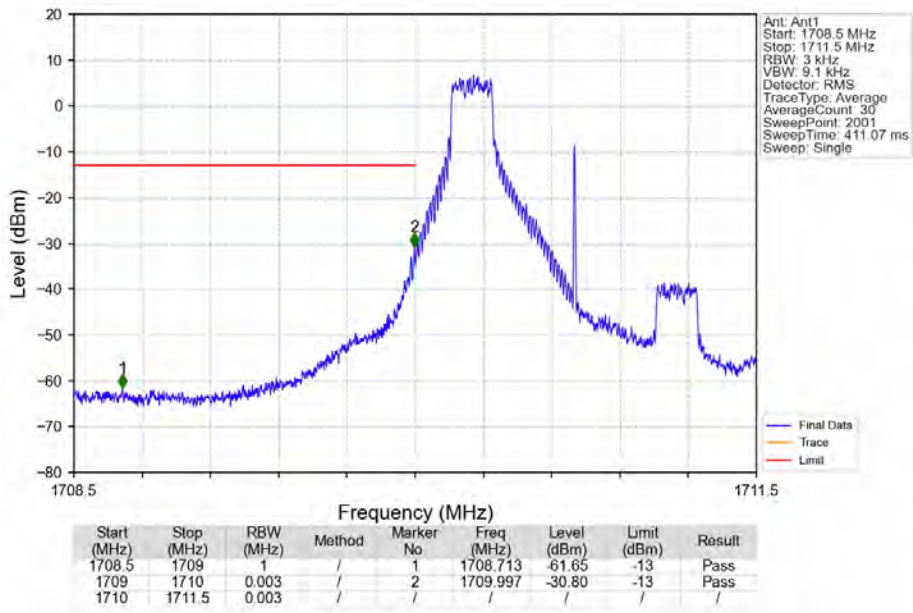


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.003	-32.42	-13	Pass
1781	1781.5	1	/	2	1781.498	-60.76	-13	Pass

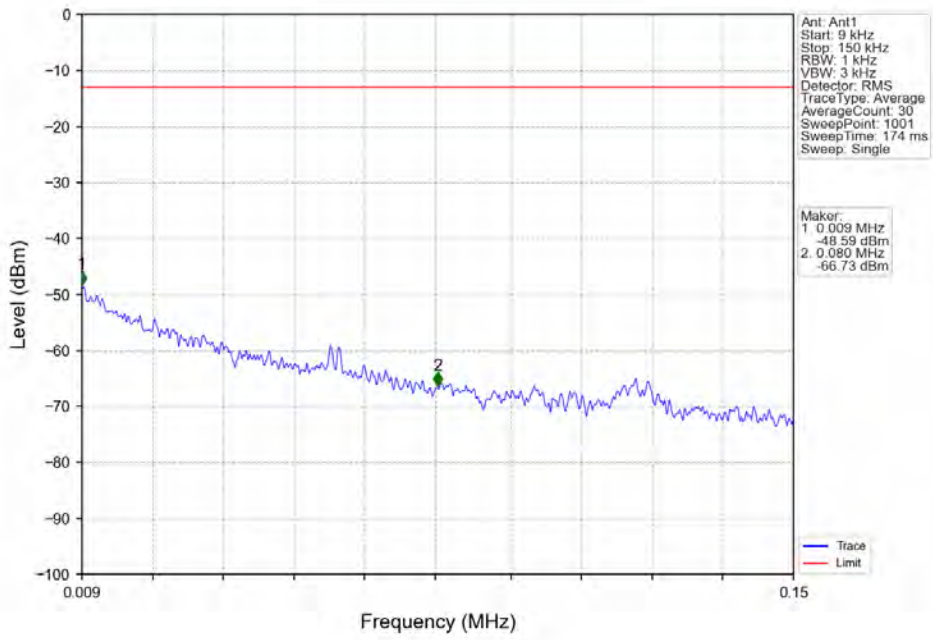
Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



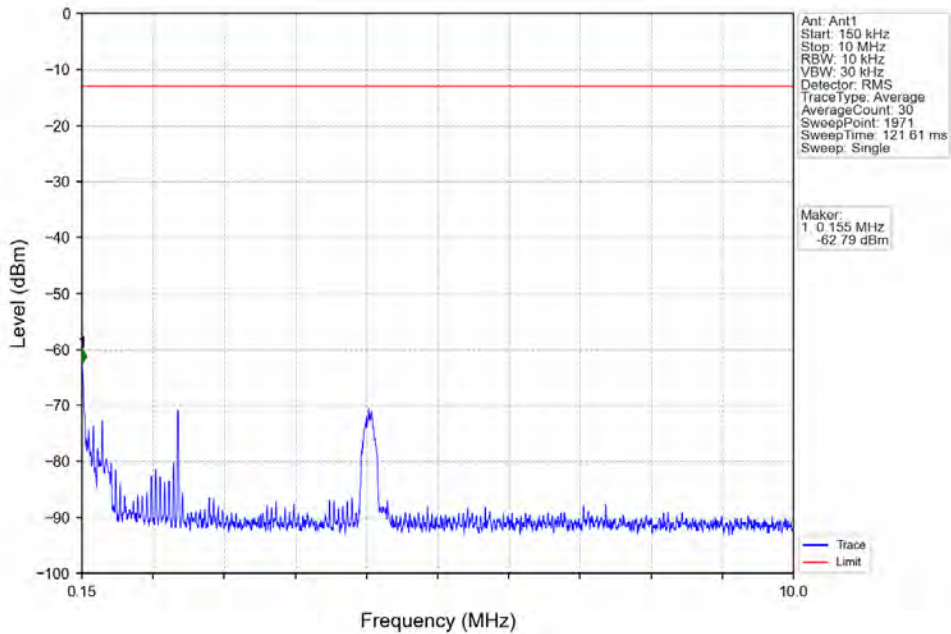
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



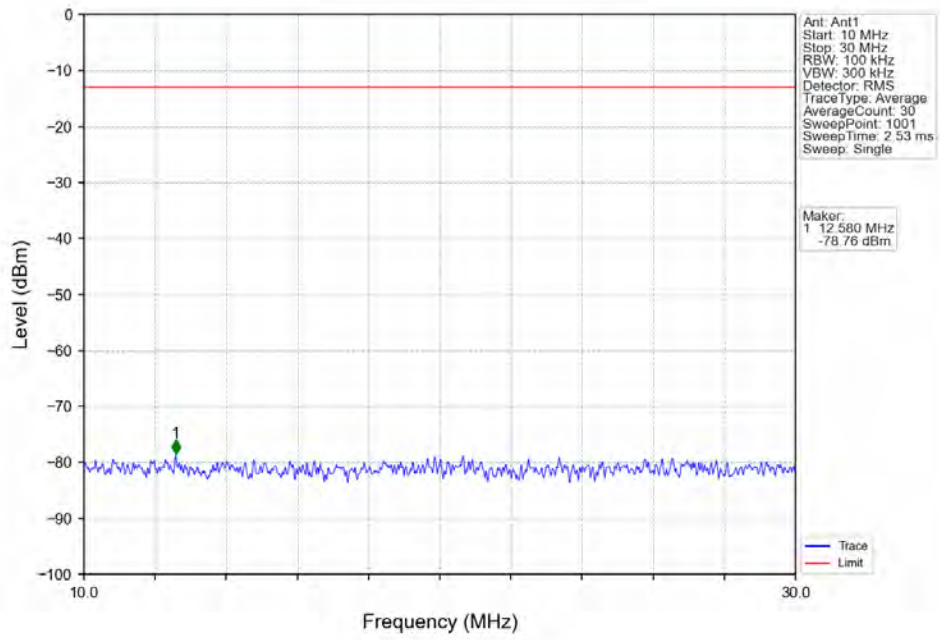
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



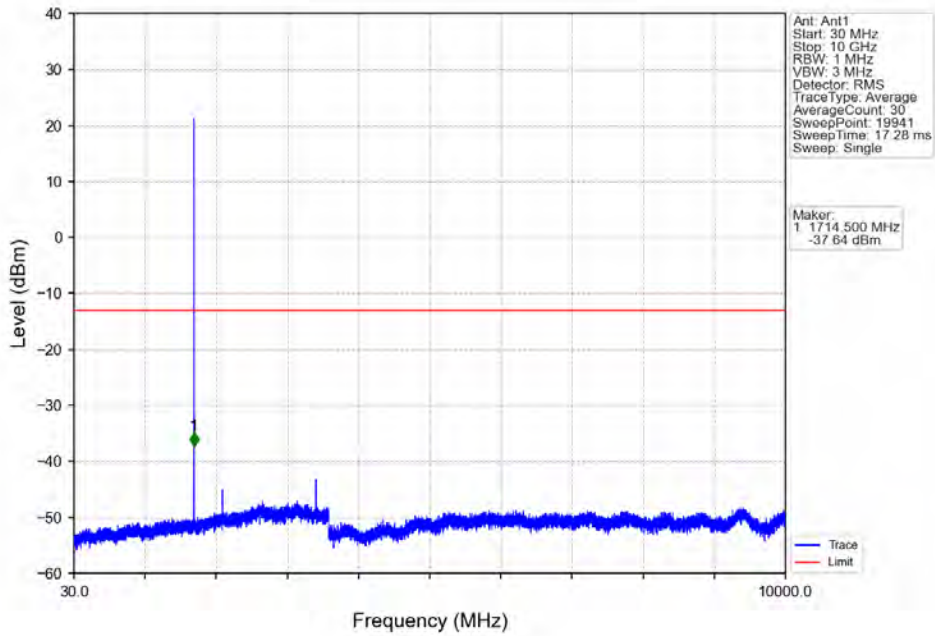
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



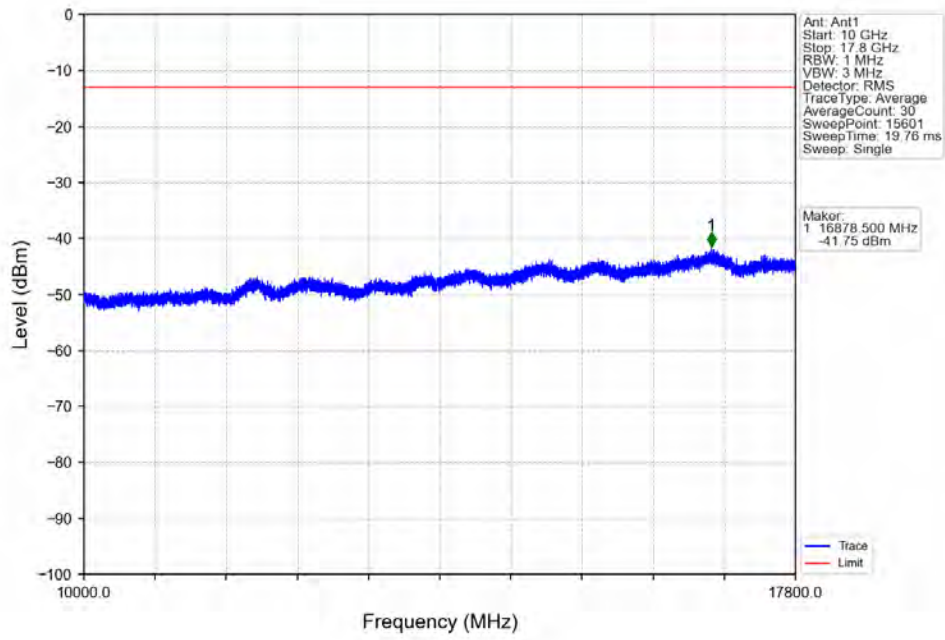
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



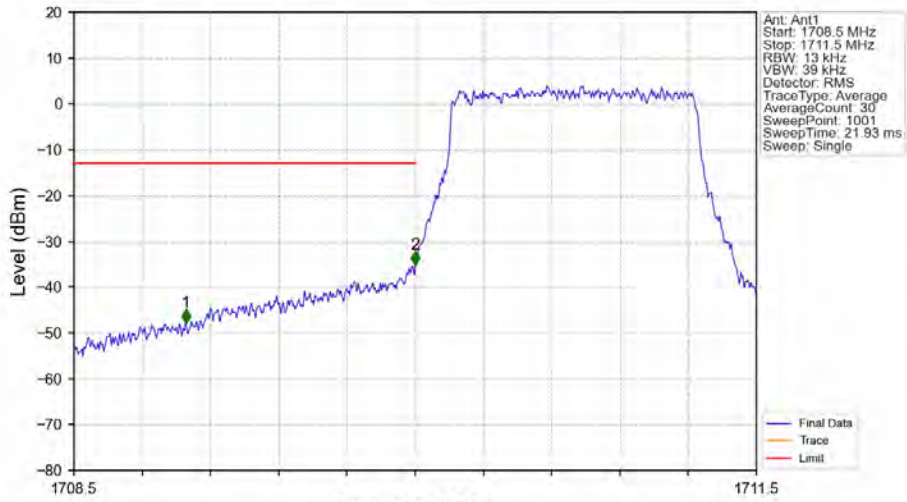
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV



Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_1\_0\_NTNV

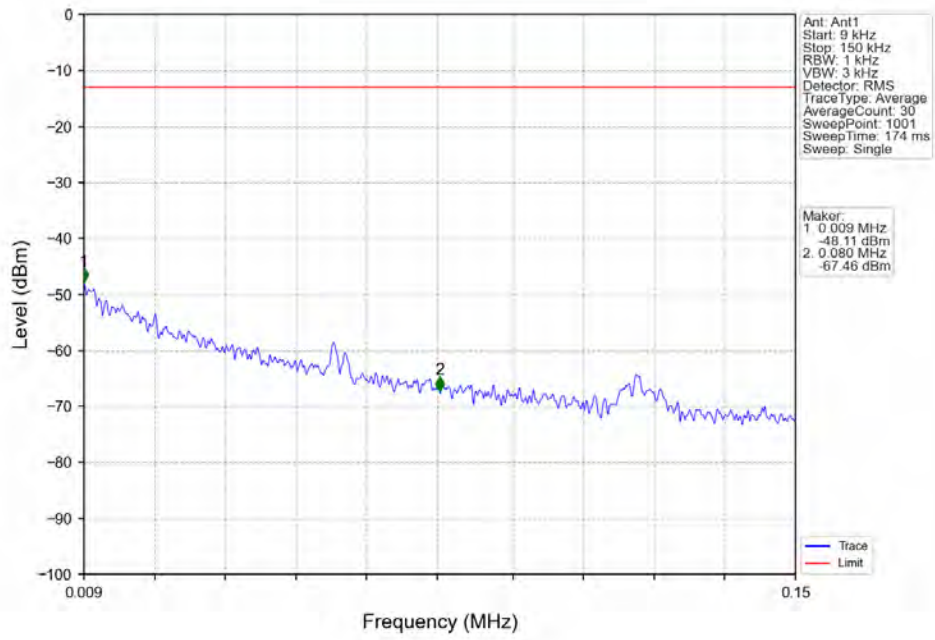


Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV

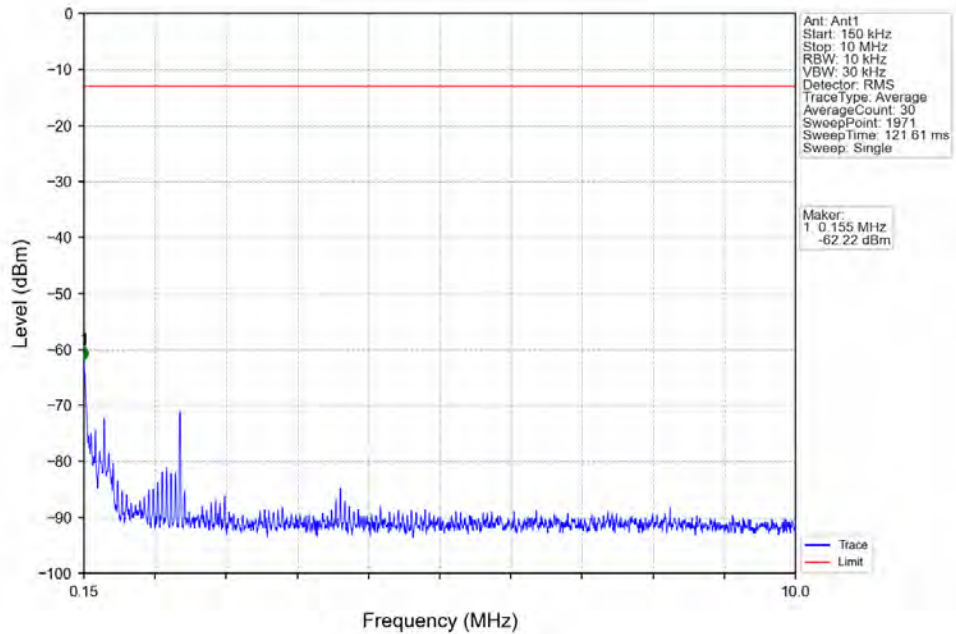


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.992	-47.84	-13	Pass
1709	1710	0.013	/	2	1710.000	-35.12	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

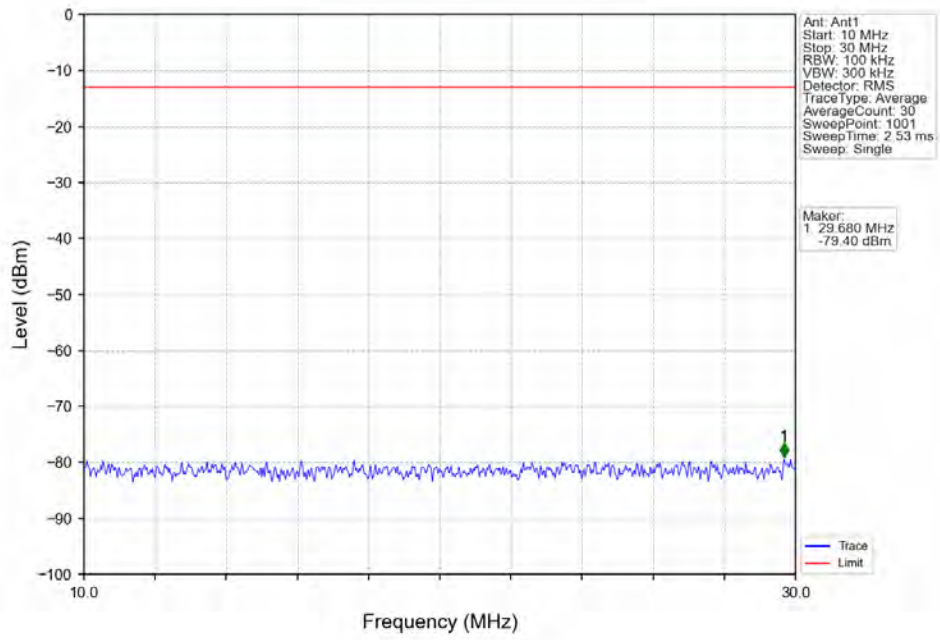
Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



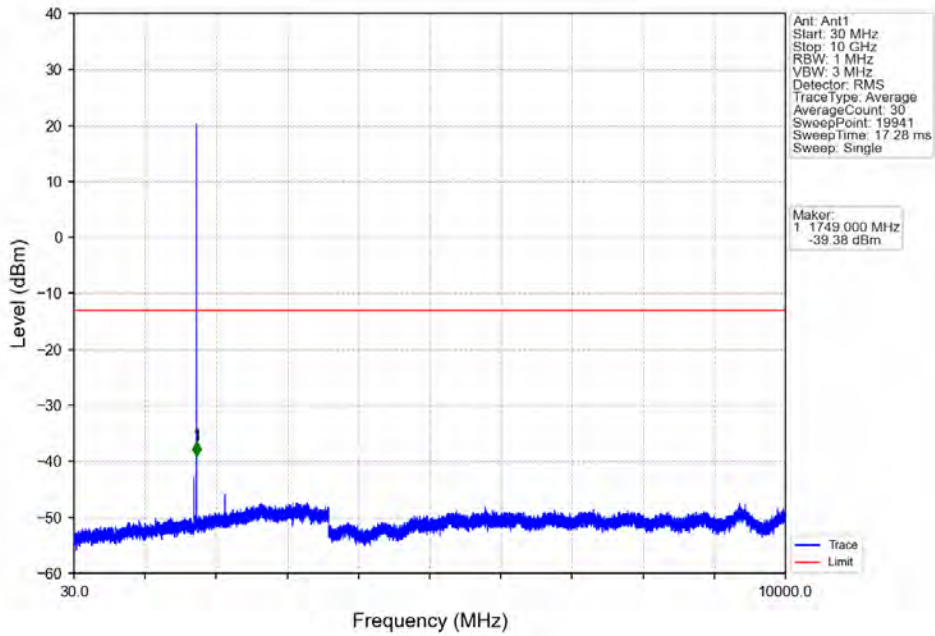
Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV

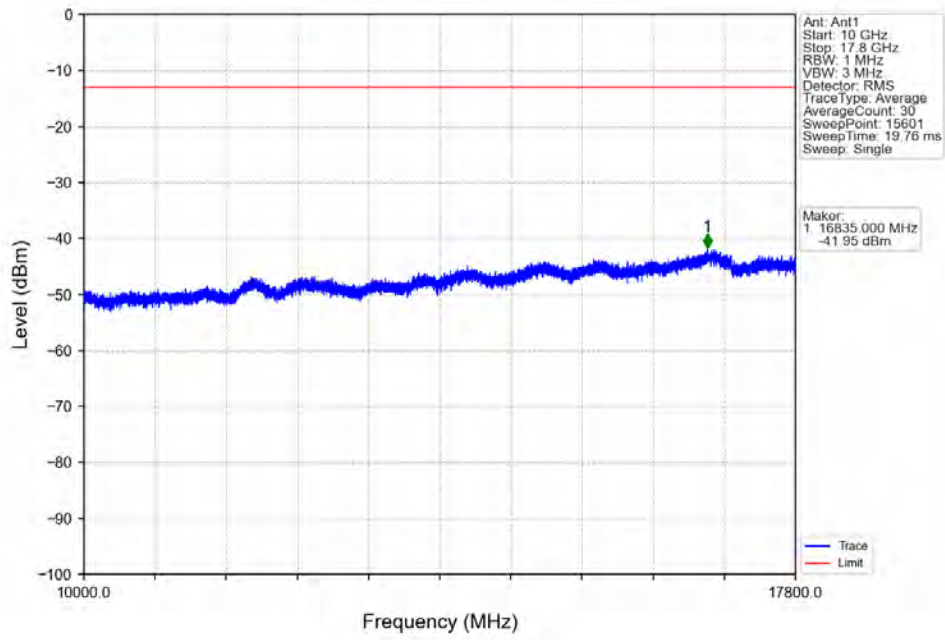


Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV

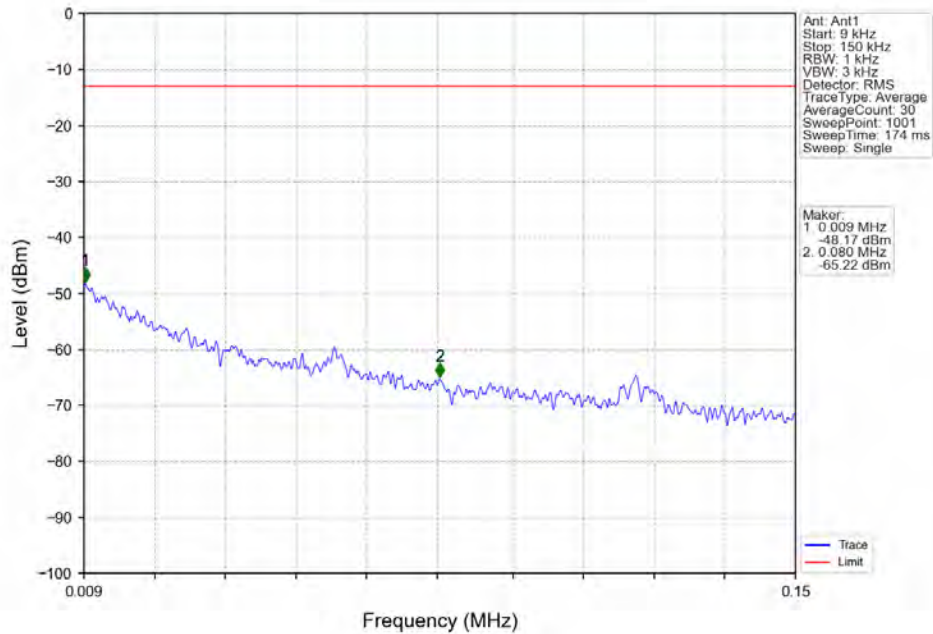




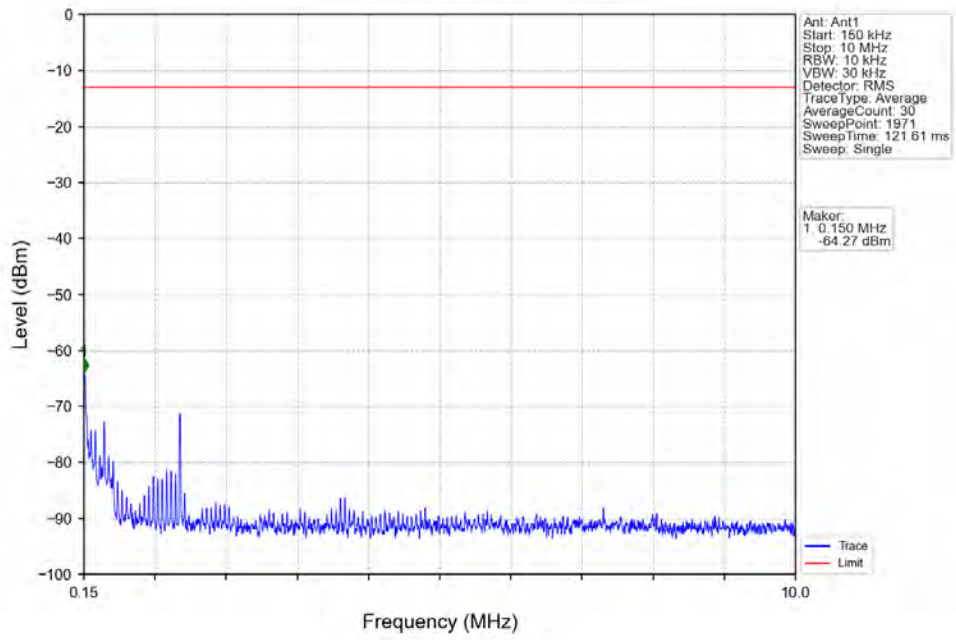
Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



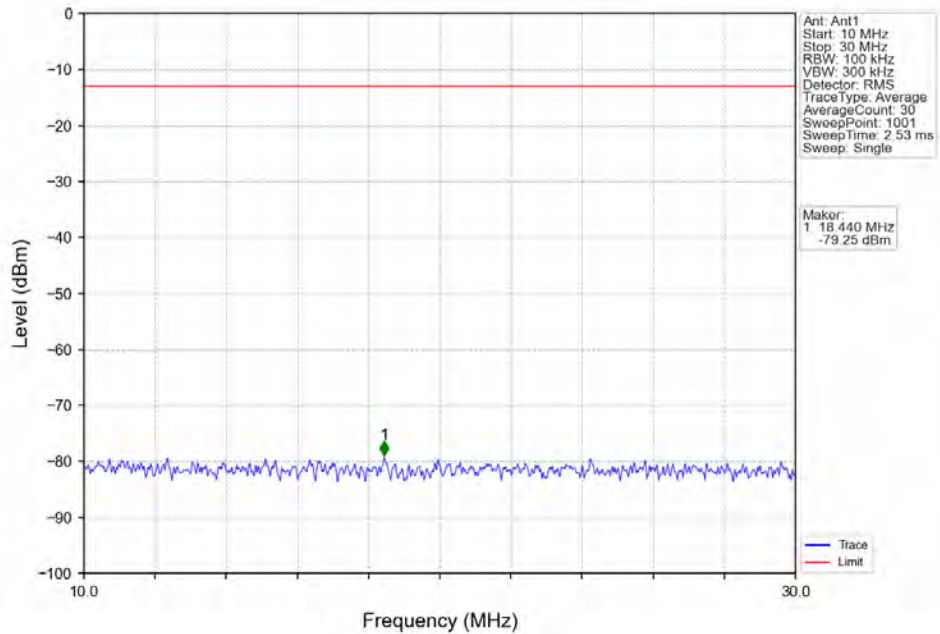
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV



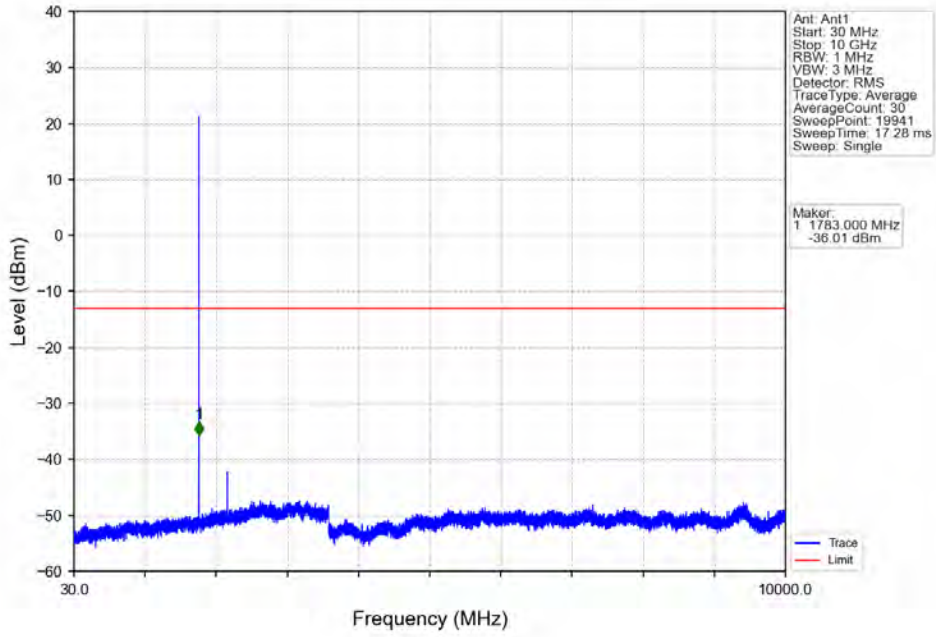
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV



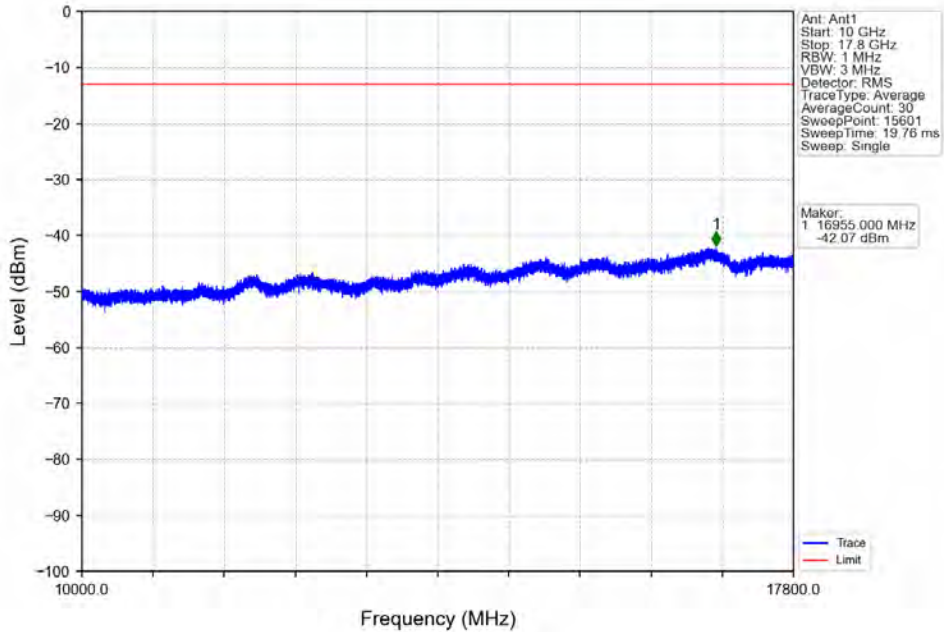
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV



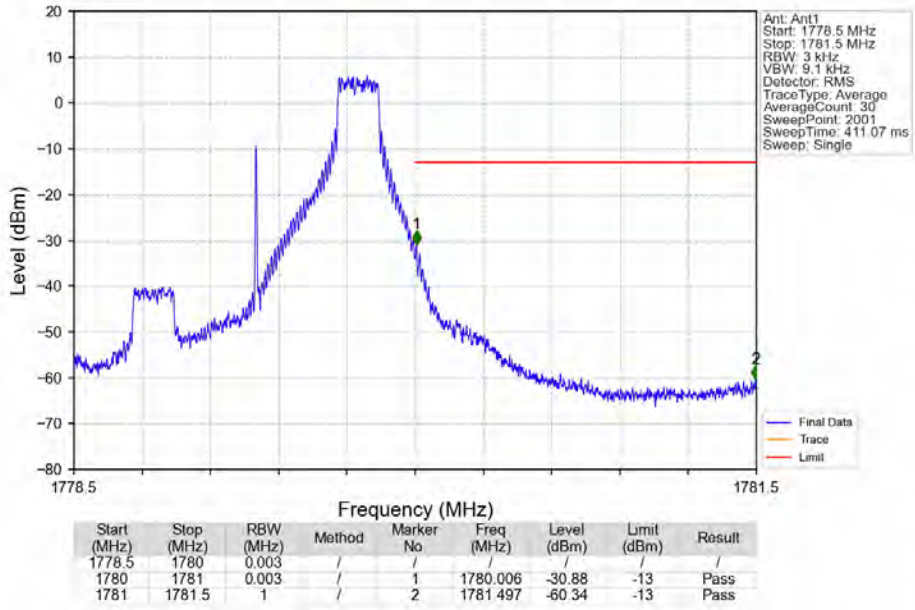
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV



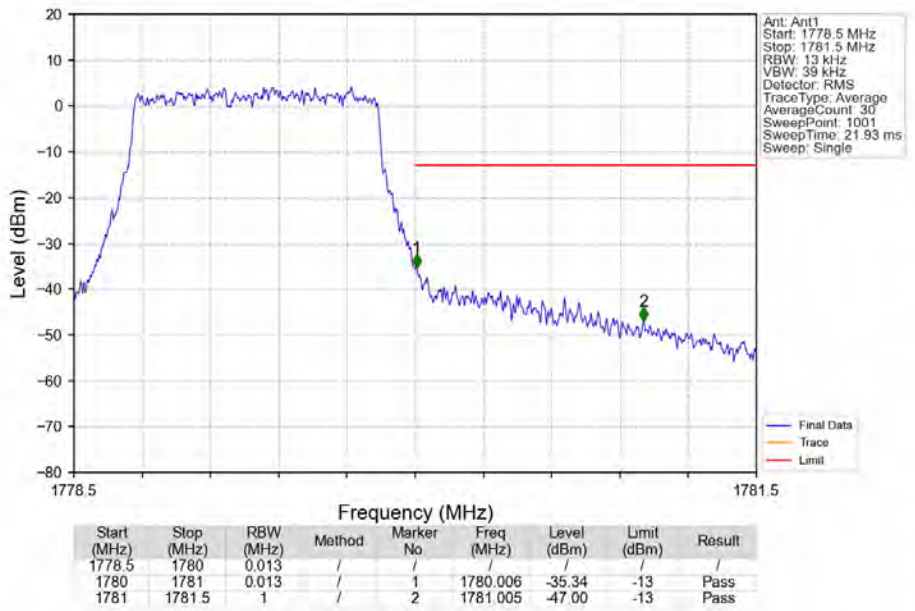
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_1\_0\_NTNV



Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_1\_5\_NTNV



Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV

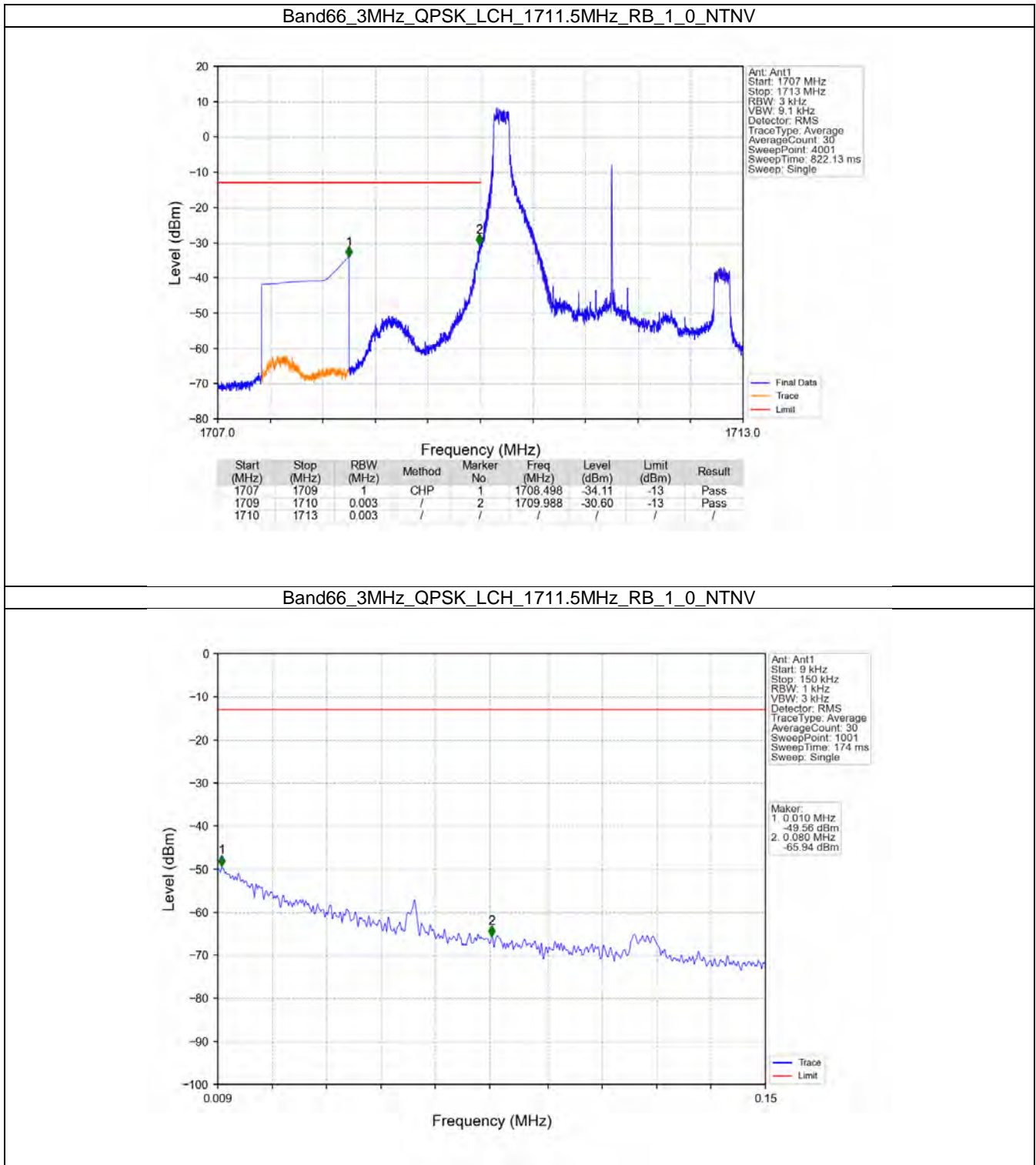


## 6.2 B66\_3MHz

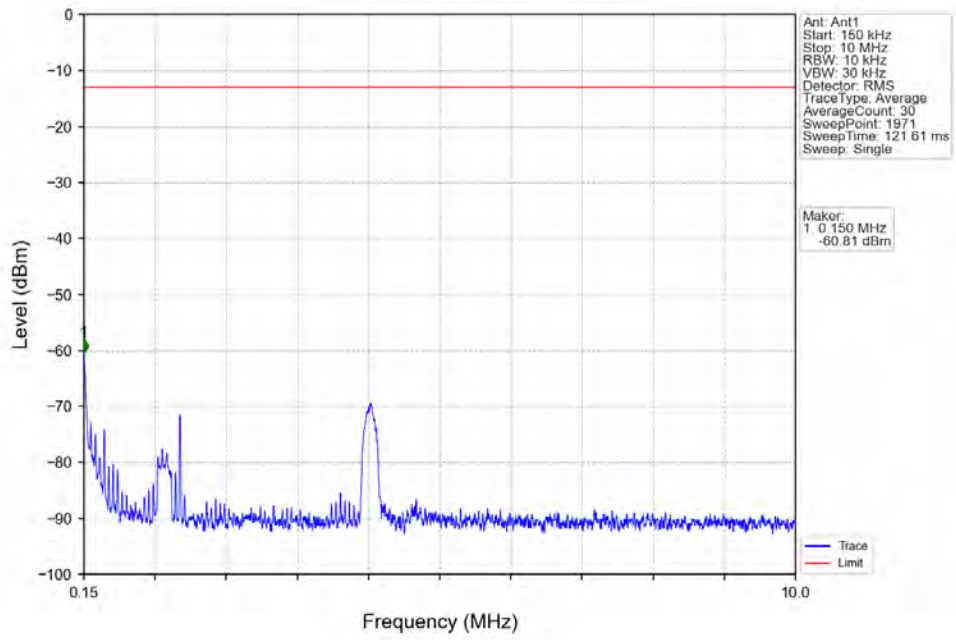
### 6.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTV						
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
	1745	1	0	Refer To Test Graph		Pass
	1778.5	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
	1745	1	0	Refer To Test Graph		Pass
	1778.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

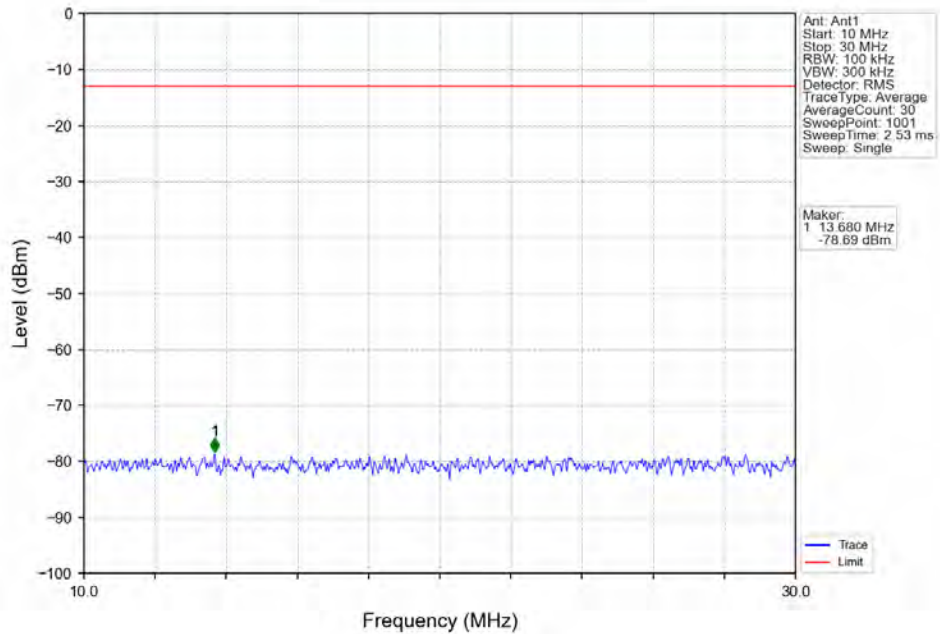
### 6.2.2 Test Graph



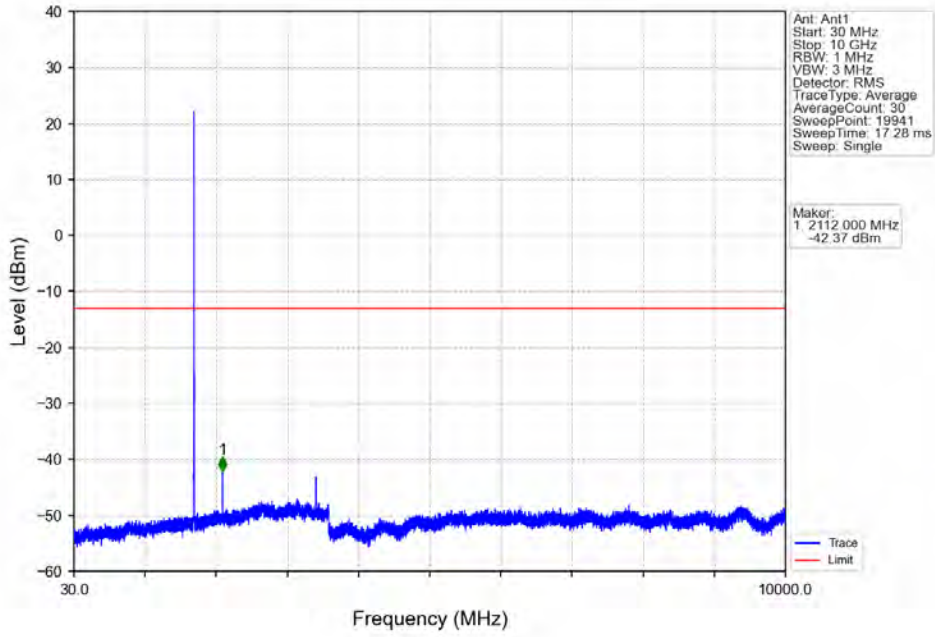
Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



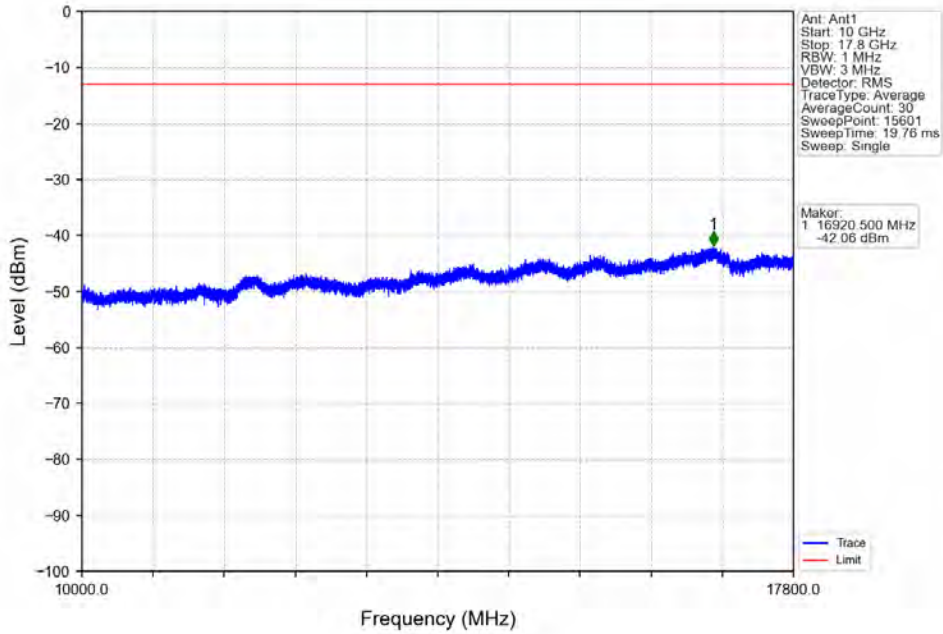
Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

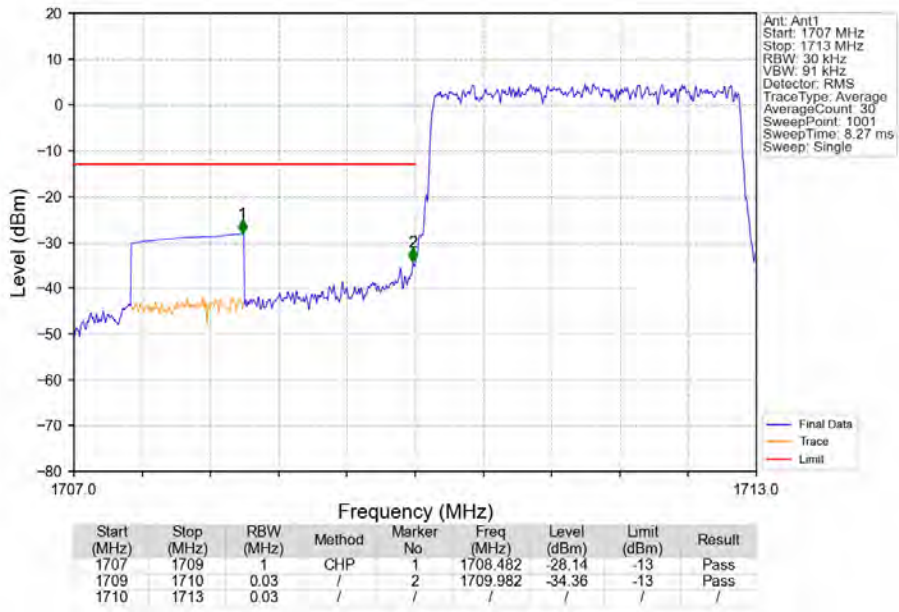


Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

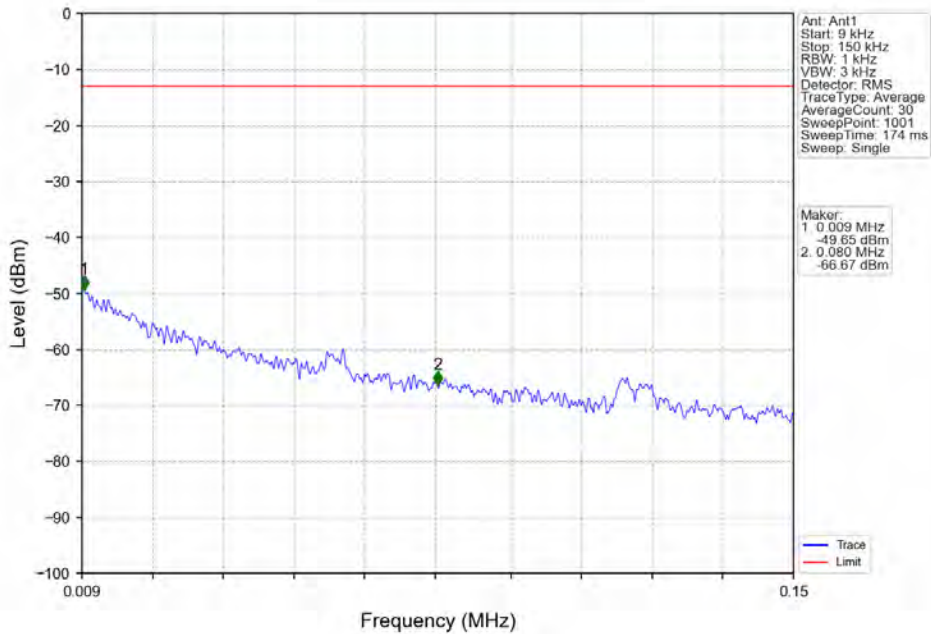




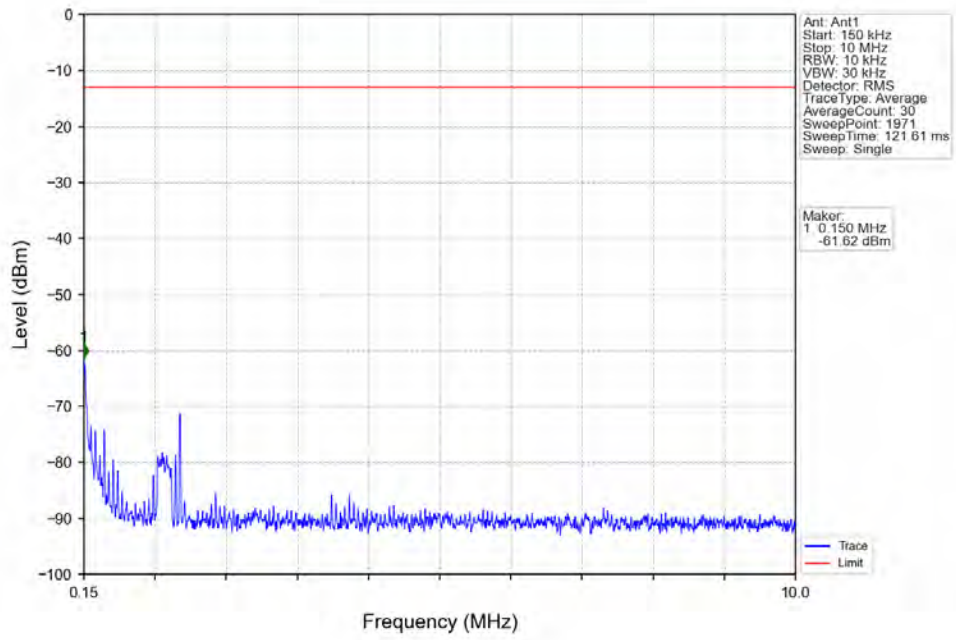
Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



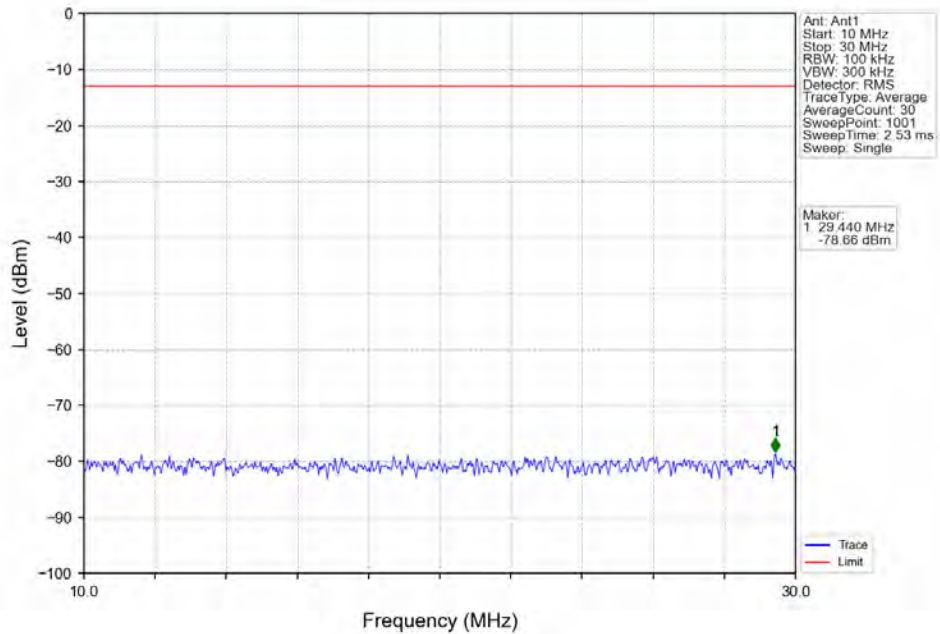
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



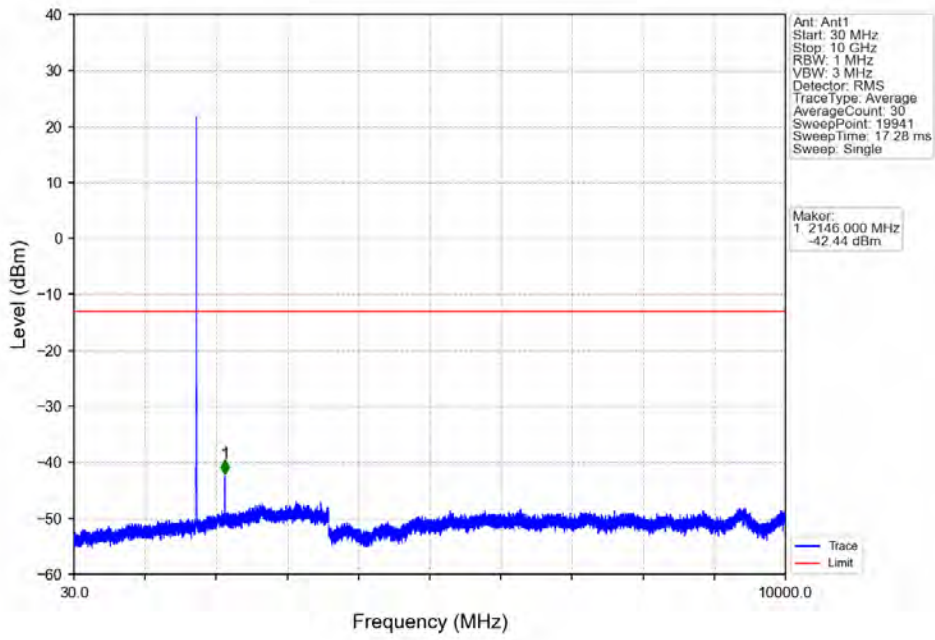
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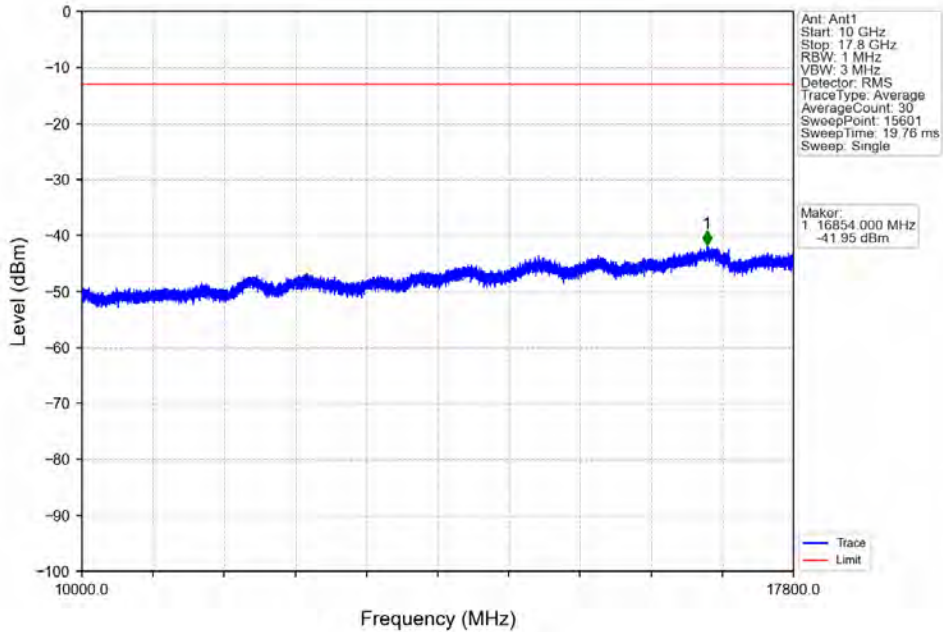
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



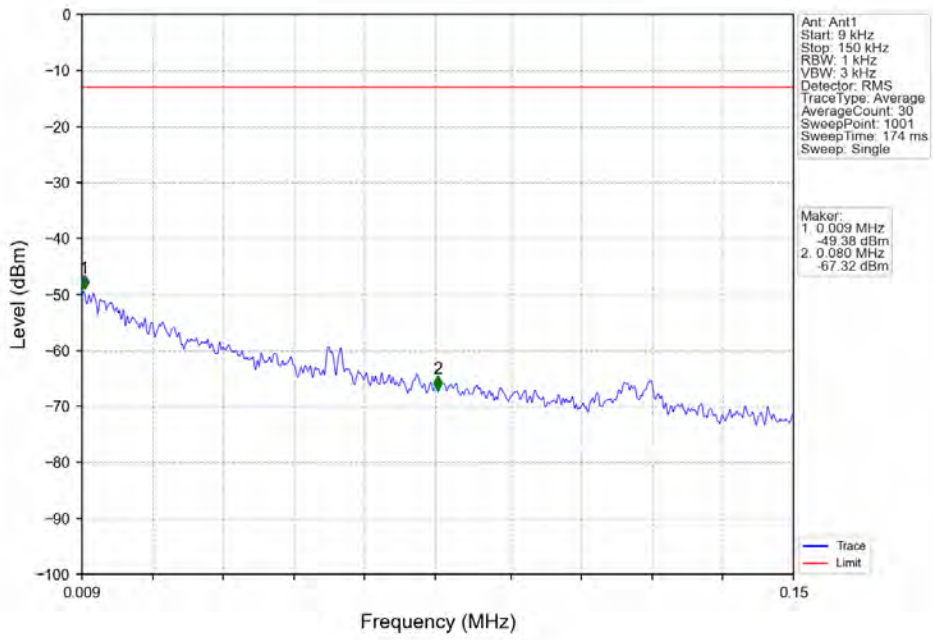
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



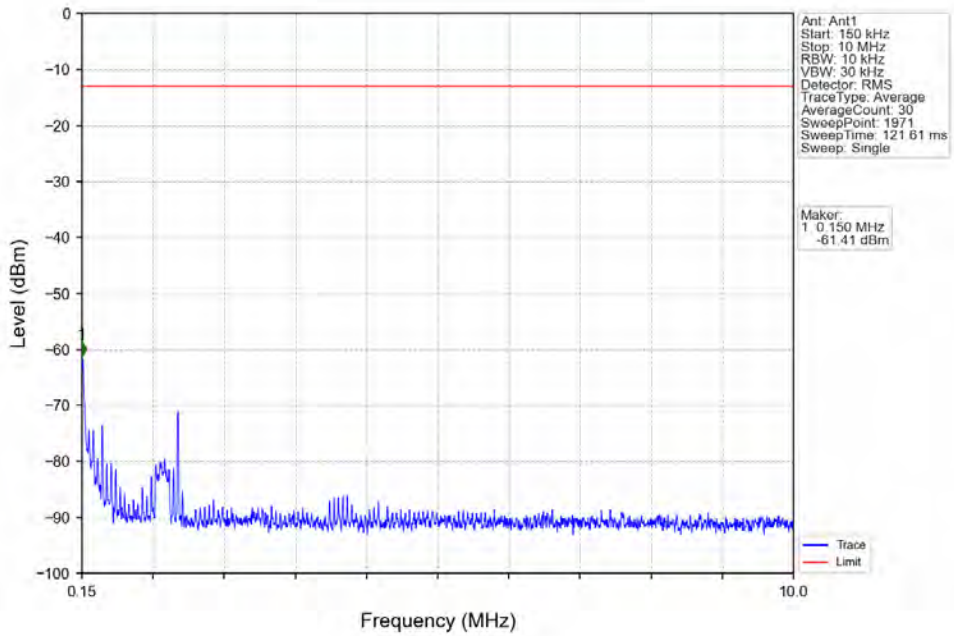
Band66\_3MHz\_QPSK\_MCH\_1745MHz\_RB\_1\_0\_NTNV



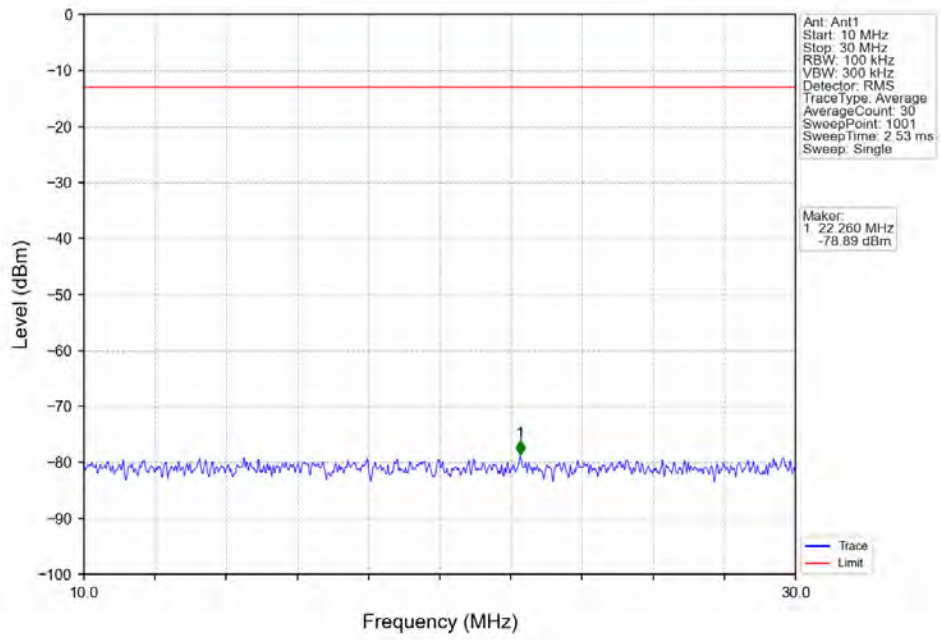
Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_1\_0\_NTNV



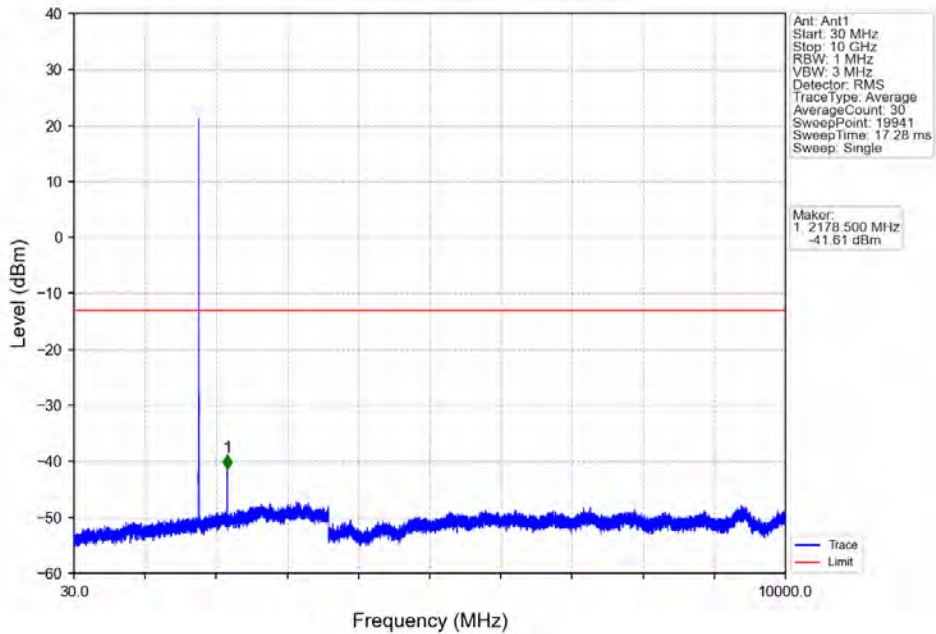
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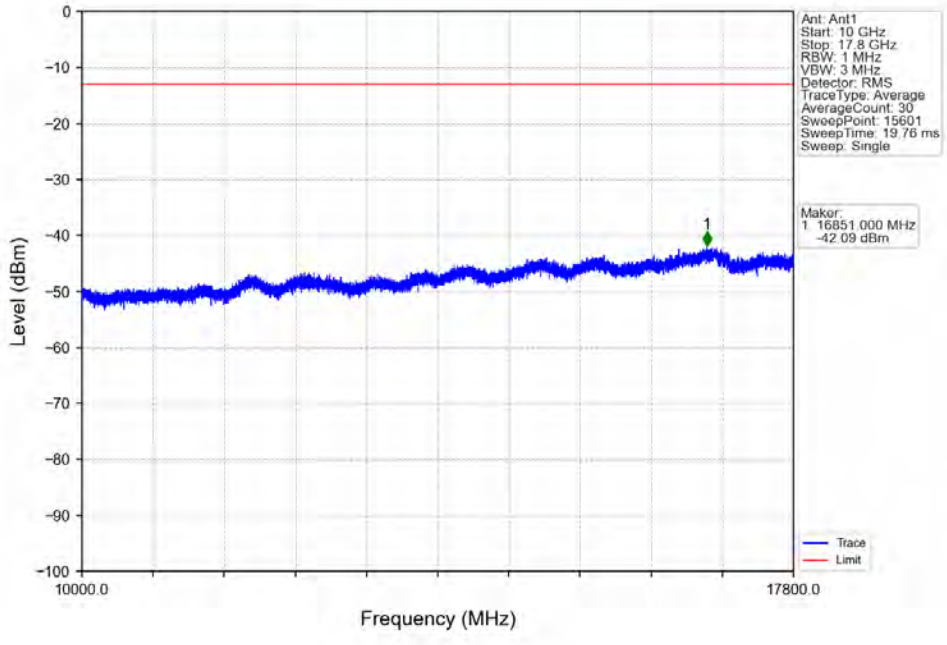
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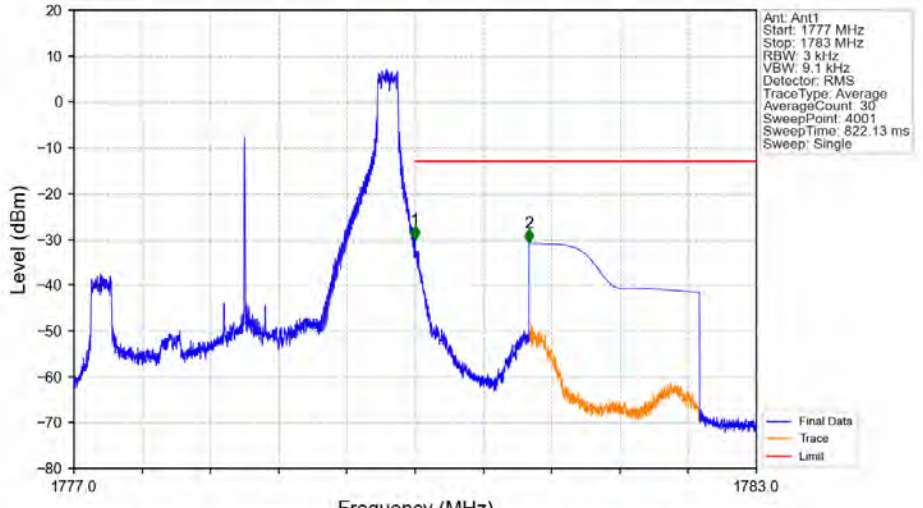
Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_1\_0\_NTNV



Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_1\_0\_NTNV

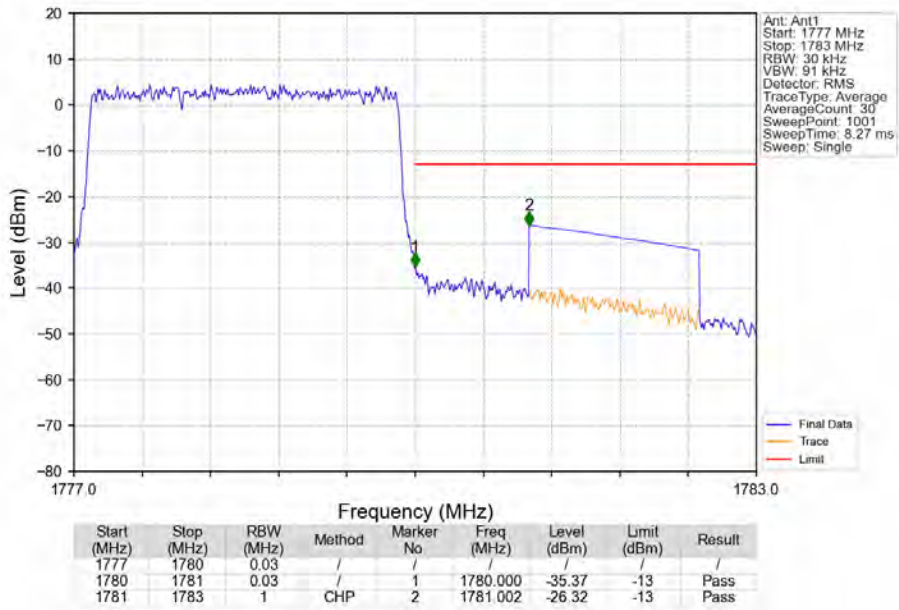


Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_1\_14\_NTNV

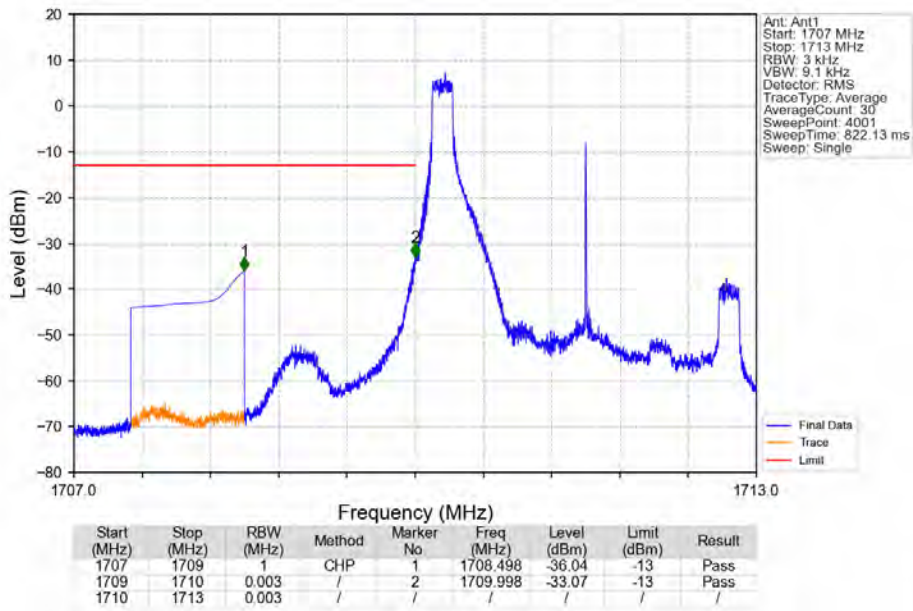


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.003	/	1	1780.000	-30.03	-13	Pass
1781	1783	1	CHP	2	1781.001	-30.86	-13	Pass

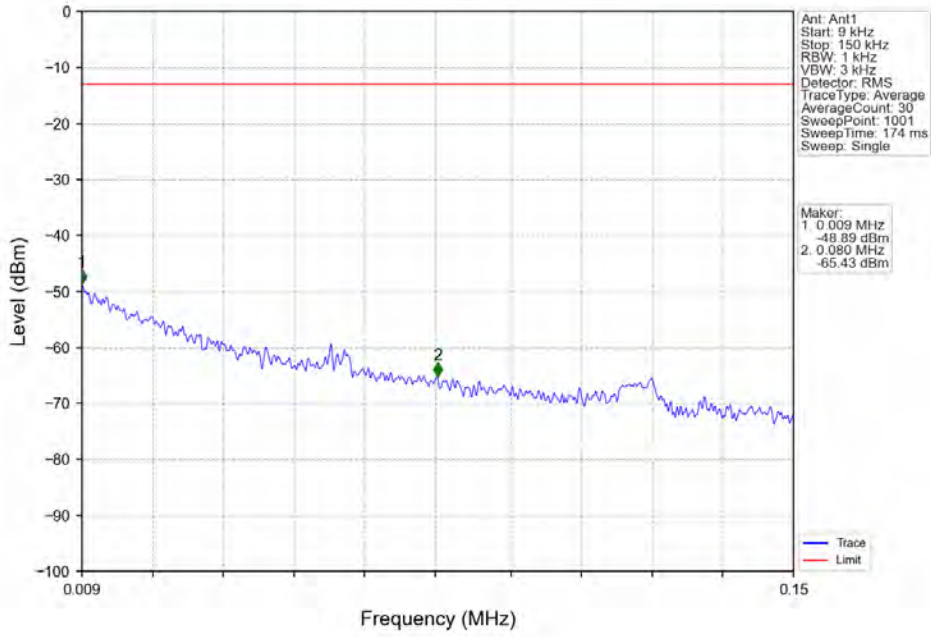
Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



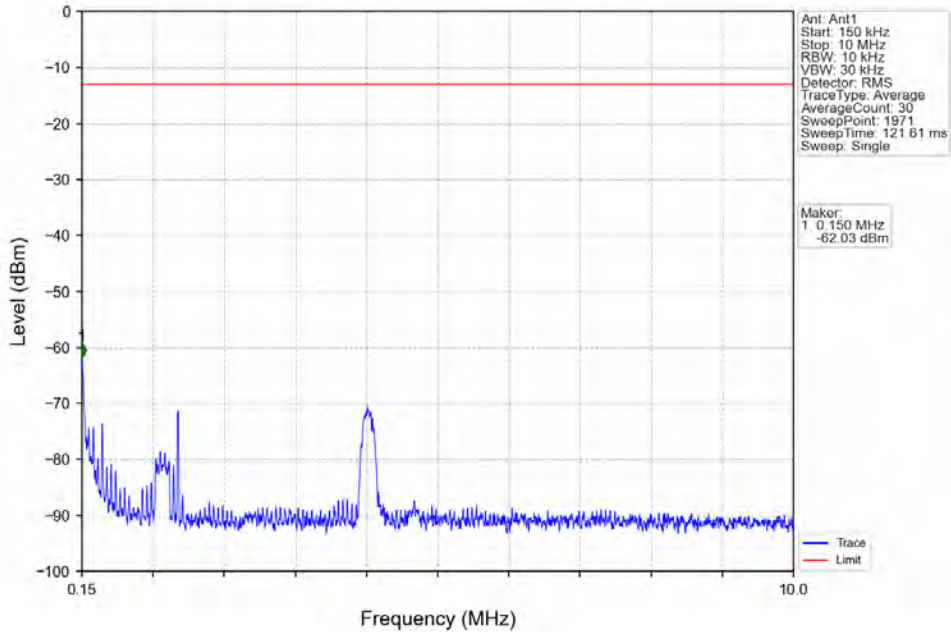
Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

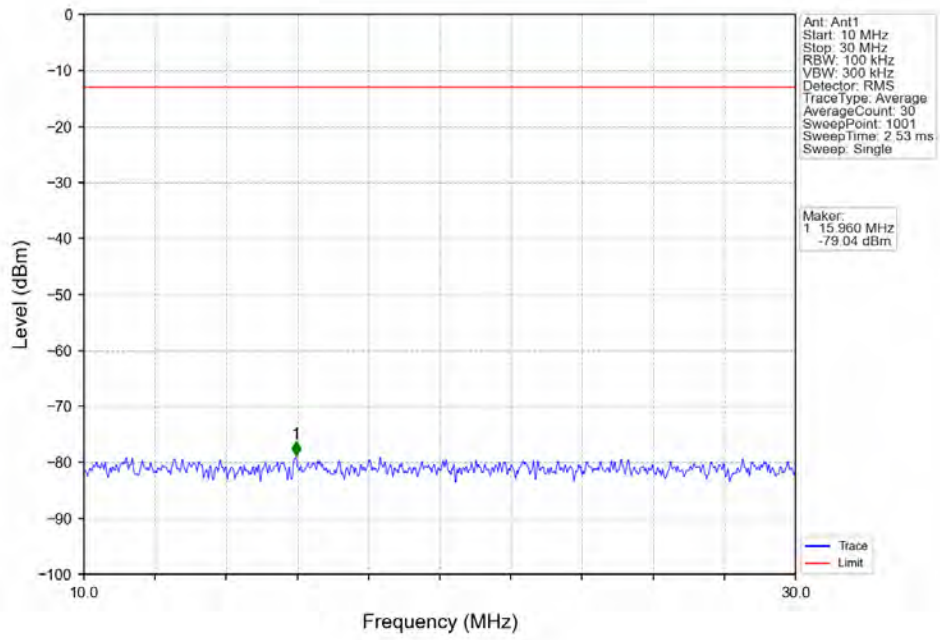


Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

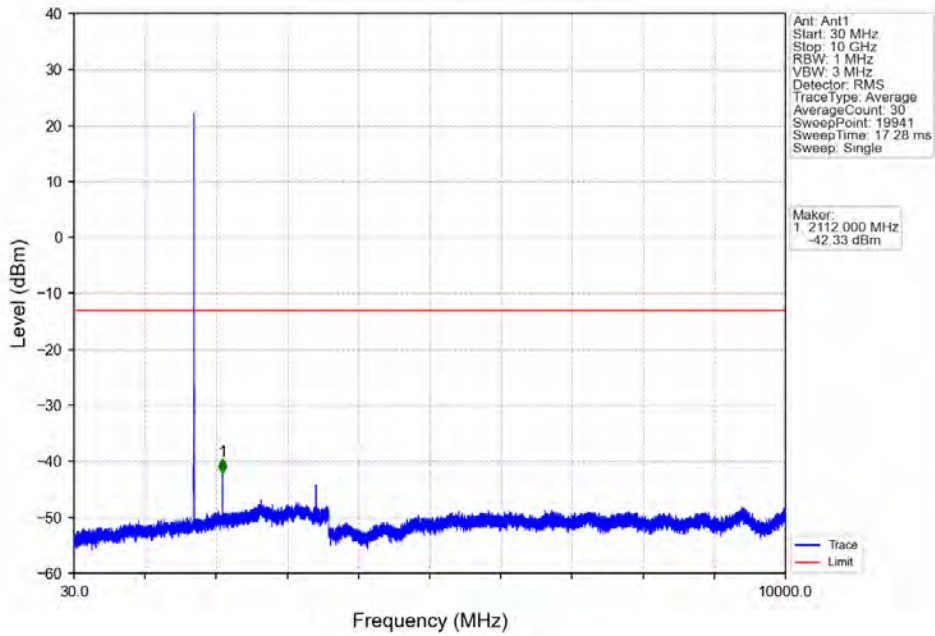




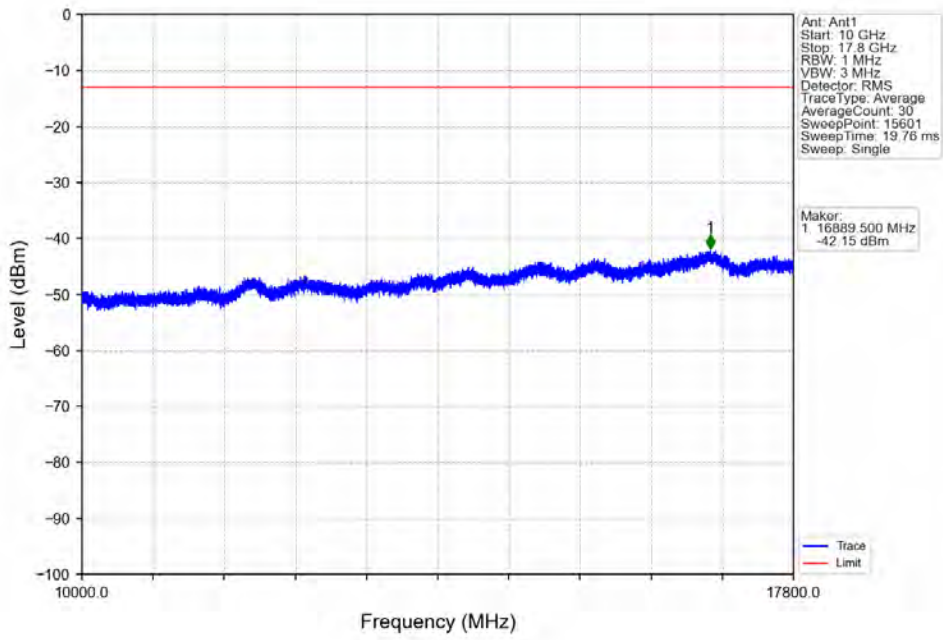
Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



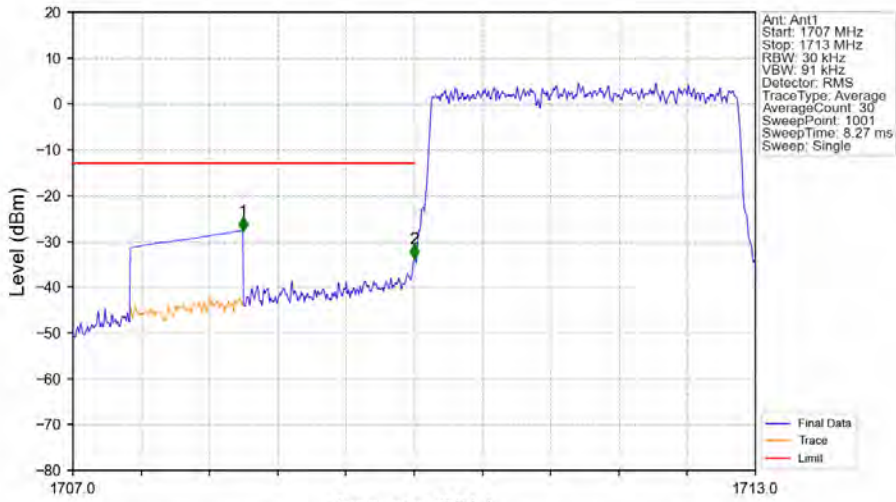
Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV



Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_1\_0\_NTNV

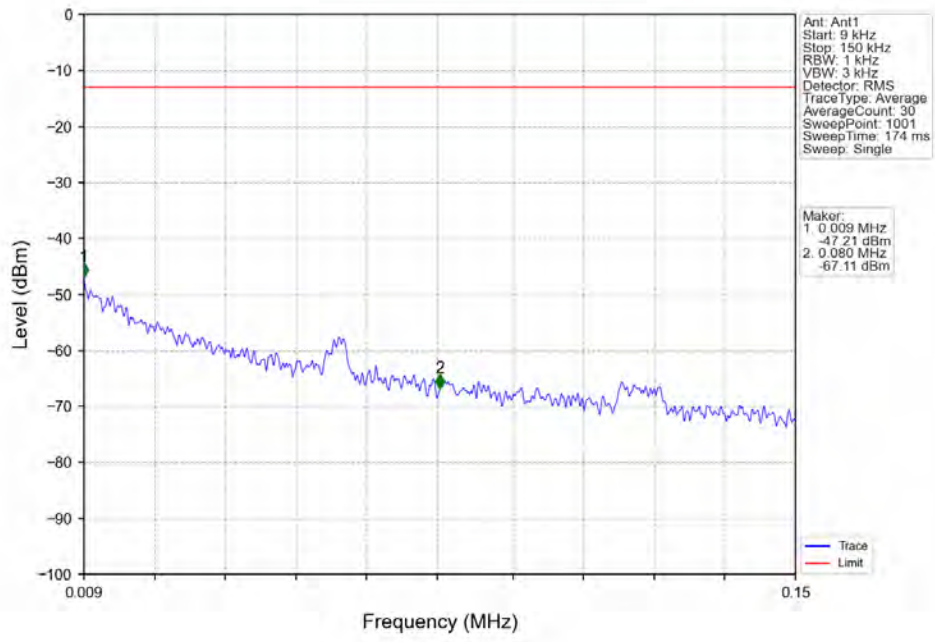


Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

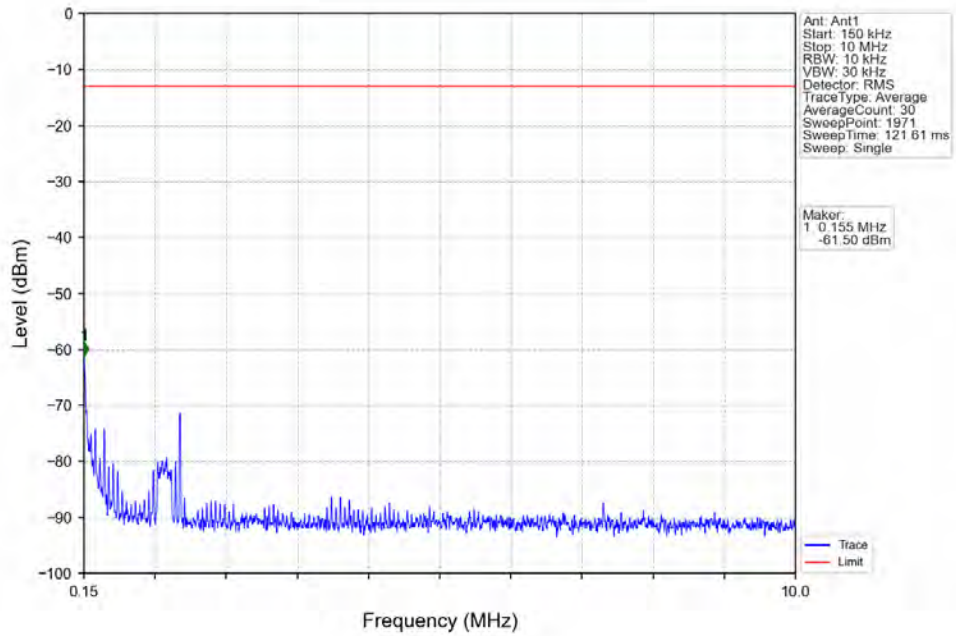


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-27.75	-13	Pass
1709	1710	0.03	/	2	1710.000	-33.79	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

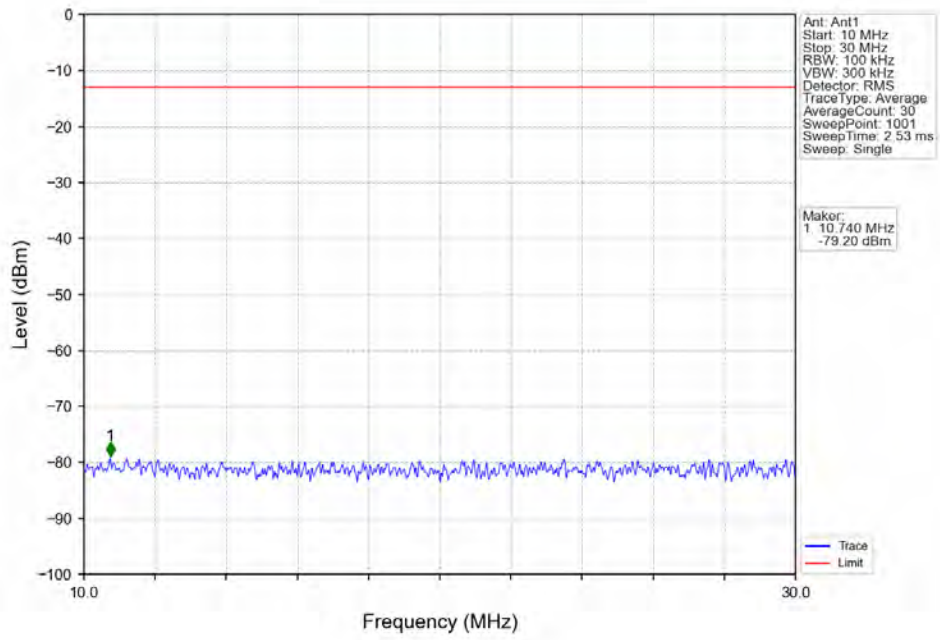
Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV



Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_1\_0\_NTNV

