

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	22.31	0.46	22.77	<=30	Pass		
			2	22.55	0.46	23.01	<=30	Pass		
			5	22.23	0.46	22.69	<=30	Pass		
		3	0	22.04	0.46	22.50	<=30	Pass		
			2	21.94	0.46	22.40	<=30	Pass		
			3	21.95	0.46	22.41	<=30	Pass		
		6	0	20.94	0.46	21.40	<=30	Pass		
		1745	1	0	21.53	0.46	21.99	<=30	Pass	
				2	21.76	0.46	22.22	<=30	Pass	
	5			21.51	0.46	21.97	<=30	Pass		
	3		0	21.57	0.46	22.03	<=30	Pass		
			2	21.57	0.46	22.03	<=30	Pass		
			3	21.55	0.46	22.01	<=30	Pass		
	6		0	20.58	0.46	21.04	<=30	Pass		
	1779.3		1	0	21.53	0.46	21.99	<=30	Pass	
				2	21.74	0.46	22.20	<=30	Pass	
		5		21.52	0.46	21.98	<=30	Pass		
		3	0	21.60	0.46	22.06	<=30	Pass		
			2	21.58	0.46	22.04	<=30	Pass		
			3	21.60	0.46	22.06	<=30	Pass		
		6	0	20.62	0.46	21.08	<=30	Pass		
		16QAM	1710.7	1	0	20.81	0.46	21.27	<=30	Pass
					2	21.07	0.46	21.53	<=30	Pass
	5				20.85	0.46	21.31	<=30	Pass	
3	0			21.01	0.46	21.47	<=30	Pass		
	2			20.96	0.46	21.42	<=30	Pass		
	3			20.95	0.46	21.41	<=30	Pass		
6	0			20.03	0.46	20.49	<=30	Pass		
1745	1			0	20.82	0.46	21.28	<=30	Pass	
				2	21.04	0.46	21.50	<=30	Pass	
			5	20.79	0.46	21.25	<=30	Pass		
	3		0	20.56	0.46	21.02	<=30	Pass		
			2	20.56	0.46	21.02	<=30	Pass		
			3	20.58	0.46	21.04	<=30	Pass		
	6		0	19.57	0.46	20.03	<=30	Pass		
	1779.3		1	0	20.45	0.46	20.91	<=30	Pass	
				2	20.65	0.46	21.11	<=30	Pass	
5				20.43	0.46	20.89	<=30	Pass		
3			0	20.46	0.46	20.92	<=30	Pass		
			2	20.44	0.46	20.90	<=30	Pass		
			3	20.45	0.46	20.91	<=30	Pass		
6			0	19.61	0.46	20.07	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B66_3MHz_EIRP

1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	22.52	0.46	22.98	<=30	Pass		
			7	22.38	0.46	22.84	<=30	Pass		
			14	22.01	0.46	22.47	<=30	Pass		
		8	0	20.93	0.46	21.39	<=30	Pass		
			4	20.94	0.46	21.40	<=30	Pass		
			7	20.89	0.46	21.35	<=30	Pass		
		15	0	20.86	0.46	21.32	<=30	Pass		
		1745	1	0	21.58	0.46	22.04	<=30	Pass	
				7	21.51	0.46	21.97	<=30	Pass	
	14			21.56	0.46	22.02	<=30	Pass		
	8		0	20.52	0.46	20.98	<=30	Pass		
			4	20.56	0.46	21.02	<=30	Pass		
			7	20.48	0.46	20.94	<=30	Pass		
	15		0	20.50	0.46	20.96	<=30	Pass		
	1778.5		1	0	21.54	0.46	22.00	<=30	Pass	
				7	21.44	0.46	21.90	<=30	Pass	
		14		21.53	0.46	21.99	<=30	Pass		
		8	0	20.56	0.46	21.02	<=30	Pass		
			4	20.56	0.46	21.02	<=30	Pass		
			7	20.53	0.46	20.99	<=30	Pass		
		15	0	20.53	0.46	20.99	<=30	Pass		
		16QAM	1711.5	1	0	21.24	0.46	21.70	<=30	Pass
					7	21.15	0.46	21.61	<=30	Pass
	14				21.24	0.46	21.70	<=30	Pass	
8	0			19.97	0.46	20.43	<=30	Pass		
	4			20.02	0.46	20.48	<=30	Pass		
	7			19.93	0.46	20.39	<=30	Pass		
15	0			19.91	0.46	20.37	<=30	Pass		
1745	1			0	20.48	0.46	20.94	<=30	Pass	
				7	20.38	0.46	20.84	<=30	Pass	
			14	20.42	0.46	20.88	<=30	Pass		
	8		0	19.51	0.46	19.97	<=30	Pass		
			4	19.52	0.46	19.98	<=30	Pass		
			7	19.46	0.46	19.92	<=30	Pass		
	15		0	19.50	0.46	19.96	<=30	Pass		
	1778.5		1	0	20.55	0.46	21.01	<=30	Pass	
				7	20.49	0.46	20.95	<=30	Pass	
14				20.55	0.46	21.01	<=30	Pass		
8			0	19.55	0.46	20.01	<=30	Pass		
			4	19.58	0.46	20.04	<=30	Pass		
			7	19.52	0.46	19.98	<=30	Pass		
15			0	19.46	0.46	19.92	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B66_5MHz_EIRP

1.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	22.35	0.46	22.81	<=30	Pass
			13	22.45	0.46	22.91	<=30	Pass
			24	22.27	0.46	22.73	<=30	Pass

		12	0	21.38	0.46	21.84	<=30	Pass		
			6	21.46	0.46	21.92	<=30	Pass		
			13	21.43	0.46	21.89	<=30	Pass		
		25	0	21.39	0.46	21.85	<=30	Pass		
			1	0	21.94	0.46	22.40	<=30	Pass	
				13	22.04	0.46	22.50	<=30	Pass	
		24		21.90	0.46	22.36	<=30	Pass		
		12	0	20.98	0.46	21.44	<=30	Pass		
			6	21.04	0.46	21.50	<=30	Pass		
	13		20.99	0.46	21.45	<=30	Pass			
	25	0	20.97	0.46	21.43	<=30	Pass			
		1777.5	1	0	21.90	0.46	22.36	<=30	Pass	
				13	22.03	0.46	22.49	<=30	Pass	
	24			21.54	0.46	22.00	<=30	Pass		
	12	0	0	20.87	0.46	21.33	<=30	Pass		
			6	21.10	0.46	21.56	<=30	Pass		
			13	21.03	0.46	21.49	<=30	Pass		
	25	0	20.91	0.46	21.37	<=30	Pass			
		16QAM	1712.5	1	0	21.21	0.46	21.67	<=30	Pass
					13	21.38	0.46	21.84	<=30	Pass
	24				21.21	0.46	21.67	<=30	Pass	
	12			0	20.41	0.46	20.87	<=30	Pass	
				6	20.41	0.46	20.87	<=30	Pass	
				13	20.38	0.46	20.84	<=30	Pass	
25	0		20.42	0.46	20.88	<=30	Pass			
	1745		1	0	21.15	0.46	21.61	<=30	Pass	
				13	21.40	0.46	21.86	<=30	Pass	
24		21.25		0.46	21.71	<=30	Pass			
12	0	0	19.94	0.46	20.40	<=30	Pass			
		6	20.01	0.46	20.47	<=30	Pass			
		13	19.95	0.46	20.41	<=30	Pass			
25	0	19.97	0.46	20.43	<=30	Pass				
	1777.5	1	0	20.87	0.46	21.33	<=30	Pass		
			13	21.14	0.46	21.60	<=30	Pass		
24			20.78	0.46	21.24	<=30	Pass			
12	0	0	20.00	0.46	20.46	<=30	Pass			
		6	20.08	0.46	20.54	<=30	Pass			
		13	20.00	0.46	20.46	<=30	Pass			
25	0	20.00	0.46	20.46	<=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	22.49	0.46	22.95	<=30	Pass
			25	22.48	0.46	22.94	<=30	Pass
			49	22.31	0.46	22.77	<=30	Pass
		25	0	21.34	0.46	21.80	<=30	Pass
			13	21.38	0.46	21.84	<=30	Pass
			25	21.31	0.46	21.77	<=30	Pass
	1745	1	0	21.31	0.46	21.77	<=30	Pass
			0	22.12	0.46	22.58	<=30	Pass
			25	22.14	0.46	22.60	<=30	Pass

		25	49	22.24	0.46	22.70	<=30	Pass		
			0	21.02	0.46	21.48	<=30	Pass		
			13	21.03	0.46	21.49	<=30	Pass		
			25	21.01	0.46	21.47	<=30	Pass		
			50	21.01	0.46	21.47	<=30	Pass		
	1775	1	0	21.97	0.46	22.43	<=30	Pass		
			25	22.05	0.46	22.51	<=30	Pass		
			49	22.02	0.46	22.48	<=30	Pass		
		25	0	21.20	0.46	21.66	<=30	Pass		
			13	21.06	0.46	21.52	<=30	Pass		
			25	21.03	0.46	21.49	<=30	Pass		
		50	21.11	0.46	21.57	<=30	Pass			
		16QAM	1715	1	0	21.79	0.46	22.25	<=30	Pass
					25	21.80	0.46	22.26	<=30	Pass
					49	21.90	0.46	22.36	<=30	Pass
25	0			20.31	0.46	20.77	<=30	Pass		
	13			20.36	0.46	20.82	<=30	Pass		
	25		20.30	0.46	20.76	<=30	Pass			
50	20.26		0.46	20.72	<=30	Pass				
1745	1		0	20.99	0.46	21.45	<=30	Pass		
			25	21.02	0.46	21.48	<=30	Pass		
			49	20.93	0.46	21.39	<=30	Pass		
	25		0	20.02	0.46	20.48	<=30	Pass		
			13	20.03	0.46	20.49	<=30	Pass		
25			20.04	0.46	20.50	<=30	Pass			
50	19.97		0.46	20.43	<=30	Pass				
1775	1		0	21.01	0.46	21.47	<=30	Pass		
		25	21.06	0.46	21.52	<=30	Pass			
		49	21.01	0.46	21.47	<=30	Pass			
	25	0	20.09	0.46	20.55	<=30	Pass			
		13	20.07	0.46	20.53	<=30	Pass			
		25	19.97	0.46	20.43	<=30	Pass			
	50	20.05	0.46	20.51	<=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	22.39	0.46	22.85	<=30	Pass	
			38	22.38	0.46	22.84	<=30	Pass	
			74	22.17	0.46	22.63	<=30	Pass	
		36	0	21.36	0.46	21.82	<=30	Pass	
			18	21.43	0.46	21.89	<=30	Pass	
			39	21.27	0.46	21.73	<=30	Pass	
		75	0	21.32	0.46	21.78	<=30	Pass	
		1745	1	0	22.13	0.46	22.59	<=30	Pass
				38	22.09	0.46	22.55	<=30	Pass
	74			21.97	0.46	22.43	<=30	Pass	
	36		0	21.00	0.46	21.46	<=30	Pass	
			18	21.09	0.46	21.55	<=30	Pass	
			39	21.07	0.46	21.53	<=30	Pass	
	75	0	21.06	0.46	21.52	<=30	Pass		
	1772.5	1	0	21.85	0.46	22.31	<=30	Pass	

		36	38	22.08	0.46	22.54	<=30	Pass		
			74	21.97	0.46	22.43	<=30	Pass		
			0	21.19	0.46	21.65	<=30	Pass		
			18	21.16	0.46	21.62	<=30	Pass		
			39	21.08	0.46	21.54	<=30	Pass		
			75	0	21.09	0.46	21.55	<=30	Pass	
		16QAM	1717.5	1	0	21.42	0.46	21.88	<=30	Pass
					38	21.34	0.46	21.80	<=30	Pass
					74	21.16	0.46	21.62	<=30	Pass
				36	0	20.34	0.46	20.80	<=30	Pass
					18	20.38	0.46	20.84	<=30	Pass
					39	20.27	0.46	20.73	<=30	Pass
75	0			20.31	0.46	20.77	<=30	Pass		
1745	1			0	21.00	0.46	21.46	<=30	Pass	
				38	20.99	0.46	21.45	<=30	Pass	
			74	20.79	0.46	21.25	<=30	Pass		
	36		0	20.03	0.46	20.49	<=30	Pass		
			18	20.03	0.46	20.49	<=30	Pass		
			39	20.02	0.46	20.48	<=30	Pass		
	75		0	20.02	0.46	20.48	<=30	Pass		
	1772.5		1	0	21.00	0.46	21.46	<=30	Pass	
				38	21.10	0.46	21.56	<=30	Pass	
74				21.01	0.46	21.47	<=30	Pass		
36			0	20.13	0.46	20.59	<=30	Pass		
		18	20.07	0.46	20.53	<=30	Pass			
		39	19.99	0.46	20.45	<=30	Pass			
75		0	20.08	0.46	20.54	<=30	Pass			
Note1: EIRP=Conducted Power+Antenna Gain										

1.6 B66_20MHz_EIRP

1.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1720	1	0	22.24	0.46	22.70	<=30	Pass	
			50	22.35	0.46	22.81	<=30	Pass	
			99	22.01	0.46	22.47	<=30	Pass	
		50	0	21.31	0.46	21.77	<=30	Pass	
			25	21.32	0.46	21.78	<=30	Pass	
			50	21.15	0.46	21.61	<=30	Pass	
		100	0	21.24	0.46	21.70	<=30	Pass	
		1745	1	0	21.91	0.46	22.37	<=30	Pass
				50	22.09	0.46	22.55	<=30	Pass
	99			21.80	0.46	22.26	<=30	Pass	
	50		0	21.04	0.46	21.50	<=30	Pass	
			25	21.04	0.46	21.50	<=30	Pass	
			50	21.04	0.46	21.50	<=30	Pass	
	100		0	21.03	0.46	21.49	<=30	Pass	
	1770		1	0	21.76	0.46	22.22	<=30	Pass
				50	22.09	0.46	22.55	<=30	Pass
		99		21.79	0.46	22.25	<=30	Pass	
		50	0	21.15	0.46	21.61	<=30	Pass	
			25	21.04	0.46	21.50	<=30	Pass	
			50	20.88	0.46	21.34	<=30	Pass	
		100	0	21.04	0.46	21.50	<=30	Pass	

16QAM	1720	1	0	21.22	0.46	21.68	<=30	Pass	
			50	21.39	0.46	21.85	<=30	Pass	
			99	21.04	0.46	21.50	<=30	Pass	
		50	0	20.27	0.46	20.73	<=30	Pass	
			25	20.27	0.46	20.73	<=30	Pass	
			50	20.13	0.46	20.59	<=30	Pass	
		100	0	20.22	0.46	20.68	<=30	Pass	
		1745	1	0	20.79	0.46	21.25	<=30	Pass
				50	21.01	0.46	21.47	<=30	Pass
	99			20.52	0.46	20.98	<=30	Pass	
	50		0	20.00	0.46	20.46	<=30	Pass	
			25	20.01	0.46	20.47	<=30	Pass	
			50	20.01	0.46	20.47	<=30	Pass	
	100		0	20.05	0.46	20.51	<=30	Pass	
	1770		1	0	21.10	0.46	21.56	<=30	Pass
				50	21.40	0.46	21.86	<=30	Pass
		99		21.23	0.46	21.69	<=30	Pass	
		50	0	20.10	0.46	20.56	<=30	Pass	
			25	20.01	0.46	20.47	<=30	Pass	
			50	19.80	0.46	20.26	<=30	Pass	
		100	0	19.99	0.46	20.45	<=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	3.23	5.579	0.0033	-2.5 to 2.5	Pass
					3.8	4.706	0.0028	-2.5 to 2.5	Pass
					4.37	5.550	0.0032	-2.5 to 2.5	Pass
				-30	3.8	-0.629	-0.0004	-2.5 to 2.5	Pass
				-20	3.8	-1.144	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	-1.574	-0.0009	-2.5 to 2.5	Pass
				0	3.8	4.420	0.0026	-2.5 to 2.5	Pass
				10	3.8	-0.057	0.0000	-2.5 to 2.5	Pass
				30	3.8	5.894	0.0034	-2.5 to 2.5	Pass
				40	3.8	-0.558	-0.0003	-2.5 to 2.5	Pass
				50	3.8	4.363	0.0026	-2.5 to 2.5	Pass
				1745	6	0	20	3.23	7.167
	3.8	4.392	0.0025					-2.5 to 2.5	Pass
	4.37	8.898	0.0051					-2.5 to 2.5	Pass
	-30	3.8	3.948				0.0023	-2.5 to 2.5	Pass
	-20	3.8	4.907				0.0028	-2.5 to 2.5	Pass
	-10	3.8	11.115				0.0064	-2.5 to 2.5	Pass
	0	3.8	2.904				0.0017	-2.5 to 2.5	Pass
	10	3.8	8.469				0.0049	-2.5 to 2.5	Pass
	30	3.8	6.580				0.0038	-2.5 to 2.5	Pass
	40	3.8	5.937				0.0034	-2.5 to 2.5	Pass
	50	3.8	2.418				0.0014	-2.5 to 2.5	Pass
	1779.3	6	0				20	3.23	-2.031
				3.8	0.401	0.0002		-2.5 to 2.5	Pass

					4.37	0.515	0.0003	-2.5 to 2.5	Pass				
				-30	3.8	2.046	0.0011	-2.5 to 2.5	Pass				
				-20	3.8	-0.987	-0.0006	-2.5 to 2.5	Pass				
				-10	3.8	-0.114	-0.0001	-2.5 to 2.5	Pass				
				0	3.8	2.131	0.0012	-2.5 to 2.5	Pass				
				10	3.8	2.289	0.0013	-2.5 to 2.5	Pass				
				30	3.8	1.631	0.0009	-2.5 to 2.5	Pass				
				40	3.8	4.892	0.0027	-2.5 to 2.5	Pass				
				50	3.8	7.639	0.0043	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.23	2.317	0.0014	-2.5 to 2.5	Pass				
					3.8	6.480	0.0038	-2.5 to 2.5	Pass				
					4.37	2.561	0.0015	-2.5 to 2.5	Pass				
								-30	3.8	3.204	0.0019	-2.5 to 2.5	Pass
								-20	3.8	-0.572	-0.0003	-2.5 to 2.5	Pass
								-10	3.8	5.064	0.0030	-2.5 to 2.5	Pass
								0	3.8	4.649	0.0027	-2.5 to 2.5	Pass
								10	3.8	2.275	0.0013	-2.5 to 2.5	Pass
								30	3.8	3.047	0.0018	-2.5 to 2.5	Pass
					40	3.8	5.937	0.0035	-2.5 to 2.5	Pass			
					50	3.8	-0.787	-0.0005	-2.5 to 2.5	Pass			
		1745	6	0	20	3.23	1.001	0.0006	-2.5 to 2.5	Pass			
	3.8					8.397	0.0048	-2.5 to 2.5	Pass				
	4.37					3.104	0.0018	-2.5 to 2.5	Pass				
								-30	3.8	8.197	0.0047	-2.5 to 2.5	Pass
								-20	3.8	7.725	0.0044	-2.5 to 2.5	Pass
								-10	3.8	7.153	0.0041	-2.5 to 2.5	Pass
								0	3.8	7.296	0.0042	-2.5 to 2.5	Pass
								10	3.8	3.662	0.0021	-2.5 to 2.5	Pass
								30	3.8	9.985	0.0057	-2.5 to 2.5	Pass
					40	3.8	4.964	0.0028	-2.5 to 2.5	Pass			
					50	3.8	6.309	0.0036	-2.5 to 2.5	Pass			
		1779.3	6	0	20	3.23	3.018	0.0017	-2.5 to 2.5	Pass			
	3.8					3.719	0.0021	-2.5 to 2.5	Pass				
	4.37					0.029	0.0000	-2.5 to 2.5	Pass				
								-30	3.8	1.345	0.0008	-2.5 to 2.5	Pass
								-20	3.8	-2.518	-0.0014	-2.5 to 2.5	Pass
							-10	3.8	1.760	0.0010	-2.5 to 2.5	Pass	
							0	3.8	3.805	0.0021	-2.5 to 2.5	Pass	
							10	3.8	-1.245	-0.0007	-2.5 to 2.5	Pass	
							30	3.8	2.232	0.0013	-2.5 to 2.5	Pass	
				40	3.8	0.758	0.0004	-2.5 to 2.5	Pass				
				50	3.8	1.431	0.0008	-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	3.23	1.516	0.0009	-2.5 to 2.5	Pass				
					3.8	0.472	0.0003	-2.5 to 2.5	Pass				
					4.37	2.847	0.0017	-2.5 to 2.5	Pass				
								-30	3.8	1.888	0.0011	-2.5 to 2.5	Pass
								-20	3.8	2.203	0.0013	-2.5 to 2.5	Pass
								-10	3.8	0.000	0.0000	-2.5 to 2.5	Pass
								0	3.8	4.220	0.0025	-2.5 to 2.5	Pass

				10	3.8	1.802	0.0011	-2.5 to 2.5	Pass	
				30	3.8	3.791	0.0022	-2.5 to 2.5	Pass	
				40	3.8	2.289	0.0013	-2.5 to 2.5	Pass	
				50	3.8	3.433	0.0020	-2.5 to 2.5	Pass	
				20	3.23	4.277	0.0025	-2.5 to 2.5	Pass	
					3.8	3.390	0.0019	-2.5 to 2.5	Pass	
					4.37	7.896	0.0045	-2.5 to 2.5	Pass	
				-30	3.8	3.476	0.0020	-2.5 to 2.5	Pass	
				-20	3.8	7.339	0.0042	-2.5 to 2.5	Pass	
				-10	3.8	2.804	0.0016	-2.5 to 2.5	Pass	
	0	3.8	7.339	0.0042	-2.5 to 2.5	Pass				
	10	3.8	8.183	0.0047	-2.5 to 2.5	Pass				
	30	3.8	1.001	0.0006	-2.5 to 2.5	Pass				
	40	3.8	5.379	0.0031	-2.5 to 2.5	Pass				
	50	3.8	2.303	0.0013	-2.5 to 2.5	Pass				
	1745	15	0	20	3.23	-0.844	-0.0005	-2.5 to 2.5	Pass	
					3.8	-3.548	-0.0020	-2.5 to 2.5	Pass	
					4.37	-1.731	-0.0010	-2.5 to 2.5	Pass	
				-30	3.8	-2.446	-0.0014	-2.5 to 2.5	Pass	
				-20	3.8	3.262	0.0018	-2.5 to 2.5	Pass	
				-10	3.8	-1.860	-0.0010	-2.5 to 2.5	Pass	
				0	3.8	0.958	0.0005	-2.5 to 2.5	Pass	
				10	3.8	3.233	0.0018	-2.5 to 2.5	Pass	
				30	3.8	0.014	0.0000	-2.5 to 2.5	Pass	
				40	3.8	4.277	0.0024	-2.5 to 2.5	Pass	
	50	3.8	2.389	0.0013	-2.5 to 2.5	Pass				
	16QAM	1711.5	15	0	20	3.23	-1.631	-0.0010	-2.5 to 2.5	Pass
						3.8	0.887	0.0005	-2.5 to 2.5	Pass
						4.37	3.047	0.0018	-2.5 to 2.5	Pass
					-30	3.8	3.662	0.0021	-2.5 to 2.5	Pass
-20					3.8	2.933	0.0017	-2.5 to 2.5	Pass	
-10					3.8	3.161	0.0018	-2.5 to 2.5	Pass	
0					3.8	-2.346	-0.0014	-2.5 to 2.5	Pass	
10					3.8	6.137	0.0036	-2.5 to 2.5	Pass	
30					3.8	-1.531	-0.0009	-2.5 to 2.5	Pass	
40					3.8	5.593	0.0033	-2.5 to 2.5	Pass	
50		3.8	-0.057	0.0000	-2.5 to 2.5	Pass				
1745		15	0	20	3.23	6.709	0.0038	-2.5 to 2.5	Pass	
					3.8	7.696	0.0044	-2.5 to 2.5	Pass	
					4.37	5.665	0.0032	-2.5 to 2.5	Pass	
				-30	3.8	3.290	0.0019	-2.5 to 2.5	Pass	
				-20	3.8	6.881	0.0039	-2.5 to 2.5	Pass	
				-10	3.8	5.150	0.0030	-2.5 to 2.5	Pass	
				0	3.8	1.931	0.0011	-2.5 to 2.5	Pass	
				10	3.8	2.246	0.0013	-2.5 to 2.5	Pass	
				30	3.8	2.418	0.0014	-2.5 to 2.5	Pass	
				40	3.8	9.813	0.0056	-2.5 to 2.5	Pass	
50		3.8	5.507	0.0032	-2.5 to 2.5	Pass				
1778.5		15	0	20	3.23	-0.758	-0.0004	-2.5 to 2.5	Pass	
					3.8	-0.887	-0.0005	-2.5 to 2.5	Pass	
					4.37	0.958	0.0005	-2.5 to 2.5	Pass	
				-30	3.8	2.604	0.0015	-2.5 to 2.5	Pass	
				-20	3.8	-0.415	-0.0002	-2.5 to 2.5	Pass	
				-10	3.8	2.174	0.0012	-2.5 to 2.5	Pass	
				0	3.8	6.423	0.0036	-2.5 to 2.5	Pass	
				10	3.8	6.838	0.0038	-2.5 to 2.5	Pass	
	30			3.8	5.364	0.0030	-2.5 to 2.5	Pass		
	40			3.8	2.947	0.0017	-2.5 to 2.5	Pass		
50	3.8	2.689	0.0015	-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	3.23	1.616	0.0009	-2.5 to 2.5	Pass
					3.8	3.490	0.0020	-2.5 to 2.5	Pass
					4.37	4.020	0.0023	-2.5 to 2.5	Pass
				-30	3.8	1.445	0.0008	-2.5 to 2.5	Pass
				-20	3.8	0.558	0.0003	-2.5 to 2.5	Pass
				-10	3.8	-0.086	-0.0001	-2.5 to 2.5	Pass
				0	3.8	0.429	0.0003	-2.5 to 2.5	Pass
				10	3.8	-0.157	-0.0001	-2.5 to 2.5	Pass
				30	3.8	4.106	0.0024	-2.5 to 2.5	Pass
				40	3.8	3.848	0.0022	-2.5 to 2.5	Pass
	50	3.8	4.406	0.0026	-2.5 to 2.5	Pass			
	1745	25	0	20	3.23	6.466	0.0037	-2.5 to 2.5	Pass
					3.8	5.679	0.0033	-2.5 to 2.5	Pass
					4.37	3.934	0.0023	-2.5 to 2.5	Pass
				-30	3.8	-0.443	-0.0003	-2.5 to 2.5	Pass
				-20	3.8	4.735	0.0027	-2.5 to 2.5	Pass
				-10	3.8	6.595	0.0038	-2.5 to 2.5	Pass
				0	3.8	7.482	0.0043	-2.5 to 2.5	Pass
				10	3.8	7.267	0.0042	-2.5 to 2.5	Pass
				30	3.8	0.815	0.0005	-2.5 to 2.5	Pass
				40	3.8	6.394	0.0037	-2.5 to 2.5	Pass
	50	3.8	6.838	0.0039	-2.5 to 2.5	Pass			
	1777.5	25	0	20	3.23	3.734	0.0021	-2.5 to 2.5	Pass
					3.8	4.978	0.0028	-2.5 to 2.5	Pass
					4.37	4.520	0.0025	-2.5 to 2.5	Pass
				-30	3.8	5.994	0.0034	-2.5 to 2.5	Pass
				-20	3.8	3.777	0.0021	-2.5 to 2.5	Pass
				-10	3.8	4.506	0.0025	-2.5 to 2.5	Pass
				0	3.8	1.988	0.0011	-2.5 to 2.5	Pass
				10	3.8	5.064	0.0028	-2.5 to 2.5	Pass
30				3.8	4.177	0.0023	-2.5 to 2.5	Pass	
40				3.8	3.233	0.0018	-2.5 to 2.5	Pass	
50	3.8	5.865	0.0033	-2.5 to 2.5	Pass				
16QAM	1712.5	25	0	20	3.23	2.818	0.0016	-2.5 to 2.5	Pass
					3.8	4.320	0.0025	-2.5 to 2.5	Pass
					4.37	4.706	0.0027	-2.5 to 2.5	Pass
				-30	3.8	0.873	0.0005	-2.5 to 2.5	Pass
				-20	3.8	2.975	0.0017	-2.5 to 2.5	Pass
				-10	3.8	5.021	0.0029	-2.5 to 2.5	Pass
				0	3.8	4.535	0.0026	-2.5 to 2.5	Pass
				10	3.8	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.8	2.189	0.0013	-2.5 to 2.5	Pass
				40	3.8	3.376	0.0020	-2.5 to 2.5	Pass
	50	3.8	2.489	0.0015	-2.5 to 2.5	Pass			
	1745	25	0	20	3.23	6.351	0.0036	-2.5 to 2.5	Pass
					3.8	6.423	0.0037	-2.5 to 2.5	Pass
					4.37	6.537	0.0037	-2.5 to 2.5	Pass
				-30	3.8	0.372	0.0002	-2.5 to 2.5	Pass
				-20	3.8	3.262	0.0019	-2.5 to 2.5	Pass

				-10	3.8	9.556	0.0055	-2.5 to 2.5	Pass
				0	3.8	7.610	0.0044	-2.5 to 2.5	Pass
				10	3.8	5.507	0.0032	-2.5 to 2.5	Pass
				30	3.8	2.432	0.0014	-2.5 to 2.5	Pass
				40	3.8	6.166	0.0035	-2.5 to 2.5	Pass
	50	3.8	3.390	0.0019	-2.5 to 2.5	Pass			
	1777.5	25	0	20	3.23	4.349	0.0024	-2.5 to 2.5	Pass
					3.8	6.266	0.0035	-2.5 to 2.5	Pass
					4.37	3.362	0.0019	-2.5 to 2.5	Pass
				-30	3.8	5.980	0.0034	-2.5 to 2.5	Pass
				-20	3.8	2.618	0.0015	-2.5 to 2.5	Pass
				-10	3.8	2.160	0.0012	-2.5 to 2.5	Pass
				0	3.8	3.419	0.0019	-2.5 to 2.5	Pass
				10	3.8	6.251	0.0035	-2.5 to 2.5	Pass
				30	3.8	4.148	0.0023	-2.5 to 2.5	Pass
				40	3.8	3.061	0.0017	-2.5 to 2.5	Pass
				50	3.8	2.761	0.0016	-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	3.23	2.961	0.0017	-2.5 to 2.5	Pass
					3.8	3.734	0.0022	-2.5 to 2.5	Pass
					4.37	5.078	0.0030	-2.5 to 2.5	Pass
				-30	3.8	2.389	0.0014	-2.5 to 2.5	Pass
				-20	3.8	3.619	0.0021	-2.5 to 2.5	Pass
				-10	3.8	2.446	0.0014	-2.5 to 2.5	Pass
				0	3.8	3.605	0.0021	-2.5 to 2.5	Pass
				10	3.8	3.591	0.0021	-2.5 to 2.5	Pass
				30	3.8	2.303	0.0013	-2.5 to 2.5	Pass
				40	3.8	2.103	0.0012	-2.5 to 2.5	Pass
	50	3.8	1.044	0.0006	-2.5 to 2.5	Pass			
	1745	50	0	20	3.23	4.435	0.0025	-2.5 to 2.5	Pass
					3.8	5.894	0.0034	-2.5 to 2.5	Pass
					4.37	3.004	0.0017	-2.5 to 2.5	Pass
				-30	3.8	4.950	0.0028	-2.5 to 2.5	Pass
				-20	3.8	4.849	0.0028	-2.5 to 2.5	Pass
				-10	3.8	6.108	0.0035	-2.5 to 2.5	Pass
				0	3.8	4.134	0.0024	-2.5 to 2.5	Pass
				10	3.8	5.751	0.0033	-2.5 to 2.5	Pass
				30	3.8	4.206	0.0024	-2.5 to 2.5	Pass
				40	3.8	4.764	0.0027	-2.5 to 2.5	Pass
	50	3.8	4.163	0.0024	-2.5 to 2.5	Pass			
	1775	50	0	20	3.23	2.704	0.0015	-2.5 to 2.5	Pass
					3.8	2.303	0.0013	-2.5 to 2.5	Pass
					4.37	0.343	0.0002	-2.5 to 2.5	Pass
				-30	3.8	2.289	0.0013	-2.5 to 2.5	Pass
				-20	3.8	1.659	0.0009	-2.5 to 2.5	Pass
				-10	3.8	0.701	0.0004	-2.5 to 2.5	Pass
				0	3.8	0.286	0.0002	-2.5 to 2.5	Pass
				10	3.8	-0.916	-0.0005	-2.5 to 2.5	Pass
30				3.8	0.529	0.0003	-2.5 to 2.5	Pass	
40				3.8	1.431	0.0008	-2.5 to 2.5	Pass	

16QAM	1715	50	0	50	3.8	0.758	0.0004	-2.5 to 2.5	Pass
				20	3.23	1.774	0.0010	-2.5 to 2.5	Pass
					3.8	2.933	0.0017	-2.5 to 2.5	Pass
					4.37	2.890	0.0017	-2.5 to 2.5	Pass
				-30	3.8	1.202	0.0007	-2.5 to 2.5	Pass
				-20	3.8	2.561	0.0015	-2.5 to 2.5	Pass
				-10	3.8	1.159	0.0007	-2.5 to 2.5	Pass
				0	3.8	-0.629	-0.0004	-2.5 to 2.5	Pass
				10	3.8	3.805	0.0022	-2.5 to 2.5	Pass
				30	3.8	3.648	0.0021	-2.5 to 2.5	Pass
	40	3.8	3.805	0.0022	-2.5 to 2.5	Pass			
	50	3.8	3.905	0.0023	-2.5 to 2.5	Pass			
	1745	50	0	20	3.23	4.163	0.0024	-2.5 to 2.5	Pass
					3.8	4.020	0.0023	-2.5 to 2.5	Pass
					4.37	6.137	0.0035	-2.5 to 2.5	Pass
				-30	3.8	5.651	0.0032	-2.5 to 2.5	Pass
				-20	3.8	4.077	0.0023	-2.5 to 2.5	Pass
				-10	3.8	5.636	0.0032	-2.5 to 2.5	Pass
				0	3.8	4.034	0.0023	-2.5 to 2.5	Pass
				10	3.8	4.935	0.0028	-2.5 to 2.5	Pass
				30	3.8	4.077	0.0023	-2.5 to 2.5	Pass
				40	3.8	6.380	0.0037	-2.5 to 2.5	Pass
	50	3.8	4.020	0.0023	-2.5 to 2.5	Pass			
	1775	50	0	20	3.23	1.645	0.0009	-2.5 to 2.5	Pass
					3.8	0.386	0.0002	-2.5 to 2.5	Pass
					4.37	2.460	0.0014	-2.5 to 2.5	Pass
				-30	3.8	0.901	0.0005	-2.5 to 2.5	Pass
				-20	3.8	-2.418	-0.0014	-2.5 to 2.5	Pass
				-10	3.8	-2.003	-0.0011	-2.5 to 2.5	Pass
				0	3.8	-1.402	-0.0008	-2.5 to 2.5	Pass
10				3.8	-2.217	-0.0012	-2.5 to 2.5	Pass	
30				3.8	-0.072	0.0000	-2.5 to 2.5	Pass	
40				3.8	-2.003	-0.0011	-2.5 to 2.5	Pass	
50	3.8	0.415	0.0002	-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	3.23	0.744	0.0004	-2.5 to 2.5	Pass
					3.8	2.275	0.0013	-2.5 to 2.5	Pass
					4.37	1.359	0.0008	-2.5 to 2.5	Pass
				-30	3.8	2.704	0.0016	-2.5 to 2.5	Pass
				-20	3.8	3.104	0.0018	-2.5 to 2.5	Pass
				-10	3.8	2.546	0.0015	-2.5 to 2.5	Pass
				0	3.8	1.373	0.0008	-2.5 to 2.5	Pass
				10	3.8	1.874	0.0011	-2.5 to 2.5	Pass
				30	3.8	0.486	0.0003	-2.5 to 2.5	Pass
				40	3.8	2.031	0.0012	-2.5 to 2.5	Pass
	50	3.8	1.087	0.0006	-2.5 to 2.5	Pass			
	1745	75	0	20	3.23	4.706	0.0027	-2.5 to 2.5	Pass
					3.8	5.350	0.0031	-2.5 to 2.5	Pass
					4.37	4.635	0.0027	-2.5 to 2.5	Pass
-30				3.8	4.520	0.0026	-2.5 to 2.5	Pass	

				-20	3.8	2.432	0.0014	-2.5 to 2.5	Pass
				-10	3.8	2.632	0.0015	-2.5 to 2.5	Pass
				0	3.8	3.290	0.0019	-2.5 to 2.5	Pass
				10	3.8	2.189	0.0013	-2.5 to 2.5	Pass
				30	3.8	2.832	0.0016	-2.5 to 2.5	Pass
				40	3.8	2.532	0.0015	-2.5 to 2.5	Pass
	50	3.8	4.005	0.0023	-2.5 to 2.5	Pass			
	1772.5	75	0	20	3.23	3.719	0.0021	-2.5 to 2.5	Pass
					3.8	2.317	0.0013	-2.5 to 2.5	Pass
					4.37	1.745	0.0010	-2.5 to 2.5	Pass
				-30	3.8	5.150	0.0029	-2.5 to 2.5	Pass
				-20	3.8	3.834	0.0022	-2.5 to 2.5	Pass
				-10	3.8	4.349	0.0025	-2.5 to 2.5	Pass
		0	3.8	4.549	0.0026	-2.5 to 2.5	Pass		
		10	3.8	3.104	0.0018	-2.5 to 2.5	Pass		
		30	3.8	3.519	0.0020	-2.5 to 2.5	Pass		
		40	3.8	3.004	0.0017	-2.5 to 2.5	Pass		
		50	3.8	3.176	0.0018	-2.5 to 2.5	Pass		
16QAM		1717.5	75	0	20	3.23	2.489	0.0014	-2.5 to 2.5
	3.8					1.144	0.0007	-2.5 to 2.5	Pass
	4.37					1.860	0.0011	-2.5 to 2.5	Pass
	-30				3.8	3.018	0.0018	-2.5 to 2.5	Pass
	-20				3.8	0.873	0.0005	-2.5 to 2.5	Pass
	-10				3.8	0.286	0.0002	-2.5 to 2.5	Pass
	0		3.8	2.060	0.0012	-2.5 to 2.5	Pass		
	10		3.8	0.200	0.0001	-2.5 to 2.5	Pass		
	30		3.8	0.257	0.0001	-2.5 to 2.5	Pass		
	40		3.8	2.317	0.0013	-2.5 to 2.5	Pass		
	50		3.8	1.802	0.0010	-2.5 to 2.5	Pass		
	1745		75	0	20	3.23	2.332	0.0013	-2.5 to 2.5
		3.8				4.821	0.0028	-2.5 to 2.5	Pass
		4.37				1.860	0.0011	-2.5 to 2.5	Pass
		-30			3.8	2.260	0.0013	-2.5 to 2.5	Pass
		-20			3.8	3.977	0.0023	-2.5 to 2.5	Pass
		-10			3.8	3.419	0.0020	-2.5 to 2.5	Pass
		0	3.8	2.990	0.0017	-2.5 to 2.5	Pass		
		10	3.8	2.818	0.0016	-2.5 to 2.5	Pass		
		30	3.8	1.645	0.0009	-2.5 to 2.5	Pass		
		40	3.8	3.877	0.0022	-2.5 to 2.5	Pass		
		50	3.8	4.735	0.0027	-2.5 to 2.5	Pass		
		1772.5	75	0	20	3.23	3.161	0.0018	-2.5 to 2.5
	3.8					2.260	0.0013	-2.5 to 2.5	Pass
	4.37					-0.086	0.0000	-2.5 to 2.5	Pass
	-30				3.8	0.186	0.0001	-2.5 to 2.5	Pass
	-20				3.8	-0.944	-0.0005	-2.5 to 2.5	Pass
	-10				3.8	-1.173	-0.0007	-2.5 to 2.5	Pass
	0		3.8	-0.615	-0.0003	-2.5 to 2.5	Pass		
	10		3.8	-0.558	-0.0003	-2.5 to 2.5	Pass		
	30		3.8	-2.303	-0.0013	-2.5 to 2.5	Pass		
	40		3.8	2.275	0.0013	-2.5 to 2.5	Pass		
	50		3.8	0.944	0.0005	-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	3.23	1.960	0.0011	-2.5 to 2.5	Pass
					3.8	1.101	0.0006	-2.5 to 2.5	Pass
					4.37	1.988	0.0012	-2.5 to 2.5	Pass
				-30	3.8	1.101	0.0006	-2.5 to 2.5	Pass
				-20	3.8	3.304	0.0019	-2.5 to 2.5	Pass
				-10	3.8	0.358	0.0002	-2.5 to 2.5	Pass
				0	3.8	0.687	0.0004	-2.5 to 2.5	Pass
				10	3.8	-0.458	-0.0003	-2.5 to 2.5	Pass
				30	3.8	-1.287	-0.0007	-2.5 to 2.5	Pass
				40	3.8	0.114	0.0001	-2.5 to 2.5	Pass
	50	3.8	1.974	0.0011	-2.5 to 2.5	Pass			
	1745	100	0	20	3.23	1.431	0.0008	-2.5 to 2.5	Pass
					3.8	0.358	0.0002	-2.5 to 2.5	Pass
					4.37	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.8	-0.830	-0.0005	-2.5 to 2.5	Pass
				-20	3.8	0.157	0.0001	-2.5 to 2.5	Pass
				-10	3.8	-0.916	-0.0005	-2.5 to 2.5	Pass
				0	3.8	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.8	-1.545	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-1.874	-0.0011	-2.5 to 2.5	Pass
				40	3.8	-2.847	-0.0016	-2.5 to 2.5	Pass
	50	3.8	-2.060	-0.0012	-2.5 to 2.5	Pass			
	1770	100	0	20	3.23	-1.316	-0.0007	-2.5 to 2.5	Pass
					3.8	-1.302	-0.0007	-2.5 to 2.5	Pass
					4.37	-0.186	-0.0001	-2.5 to 2.5	Pass
				-30	3.8	-0.815	-0.0005	-2.5 to 2.5	Pass
				-20	3.8	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	3.8	0.386	0.0002	-2.5 to 2.5	Pass
				0	3.8	0.801	0.0005	-2.5 to 2.5	Pass
				10	3.8	-0.815	-0.0005	-2.5 to 2.5	Pass
30				3.8	0.057	0.0000	-2.5 to 2.5	Pass	
40				3.8	-0.386	-0.0002	-2.5 to 2.5	Pass	
50	3.8	-1.030	-0.0006	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.23	0.157	0.0001	-2.5 to 2.5	Pass
					3.8	1.059	0.0006	-2.5 to 2.5	Pass
					4.37	0.472	0.0003	-2.5 to 2.5	Pass
				-30	3.8	-0.401	-0.0002	-2.5 to 2.5	Pass
				-20	3.8	-1.044	-0.0006	-2.5 to 2.5	Pass
				-10	3.8	1.502	0.0009	-2.5 to 2.5	Pass
				0	3.8	0.658	0.0004	-2.5 to 2.5	Pass
				10	3.8	0.644	0.0004	-2.5 to 2.5	Pass
				30	3.8	1.130	0.0007	-2.5 to 2.5	Pass
				40	3.8	-0.443	-0.0003	-2.5 to 2.5	Pass
	50	3.8	1.044	0.0006	-2.5 to 2.5	Pass			
	1745	100	0	20	3.23	0.629	0.0004	-2.5 to 2.5	Pass
					3.8	0.215	0.0001	-2.5 to 2.5	Pass
					4.37	-2.761	-0.0016	-2.5 to 2.5	Pass
				-30	3.8	-1.702	-0.0010	-2.5 to 2.5	Pass
				-20	3.8	-0.758	-0.0004	-2.5 to 2.5	Pass
				-10	3.8	-0.114	-0.0001	-2.5 to 2.5	Pass
				0	3.8	-0.272	-0.0002	-2.5 to 2.5	Pass
				10	3.8	0.801	0.0005	-2.5 to 2.5	Pass
				30	3.8	-0.644	-0.0004	-2.5 to 2.5	Pass
				40	3.8	0.772	0.0004	-2.5 to 2.5	Pass
	50	3.8	0.544	0.0003	-2.5 to 2.5	Pass			
	1770	100	0	20	3.23	0.086	0.0000	-2.5 to 2.5	Pass
					3.8	-2.747	-0.0016	-2.5 to 2.5	Pass

					4.37	-2.861	-0.0016	-2.5 to 2.5	Pass
				-30	3.8	-3.362	-0.0019	-2.5 to 2.5	Pass
				-20	3.8	-1.230	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	-3.805	-0.0021	-2.5 to 2.5	Pass
				0	3.8	-0.157	-0.0001	-2.5 to 2.5	Pass
				10	3.8	-1.631	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-1.330	-0.0008	-2.5 to 2.5	Pass
				40	3.8	-0.286	-0.0002	-2.5 to 2.5	Pass
				50	3.8	-1.187	-0.0007	-2.5 to 2.5	Pass

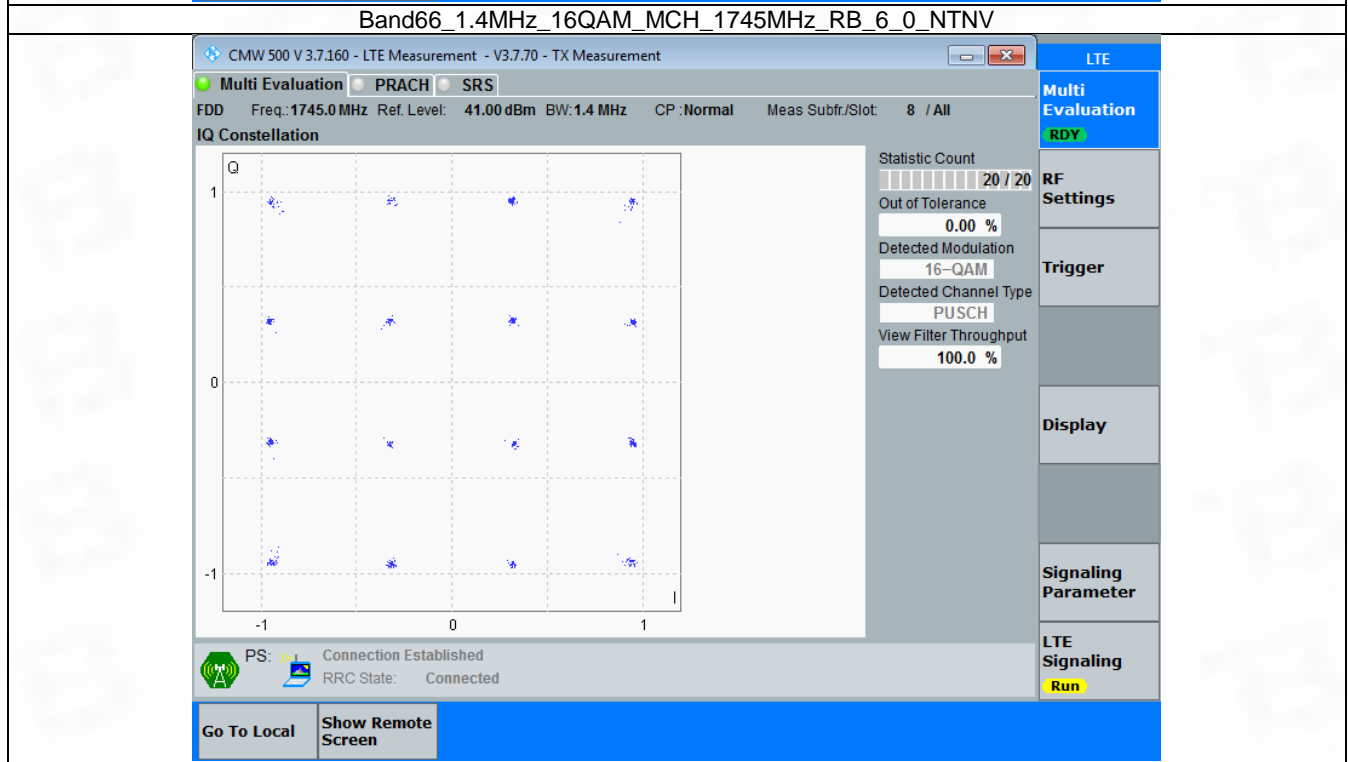
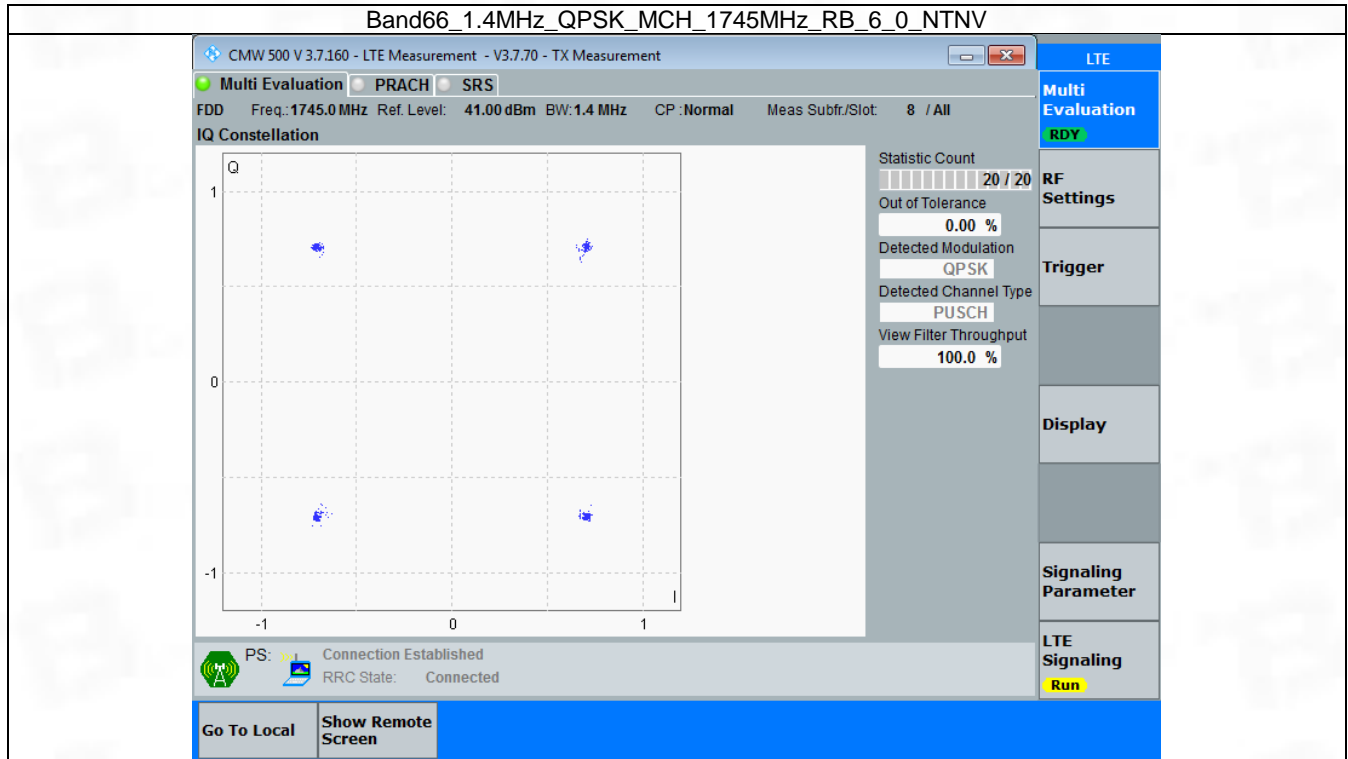
3. Modulation Characteristics

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

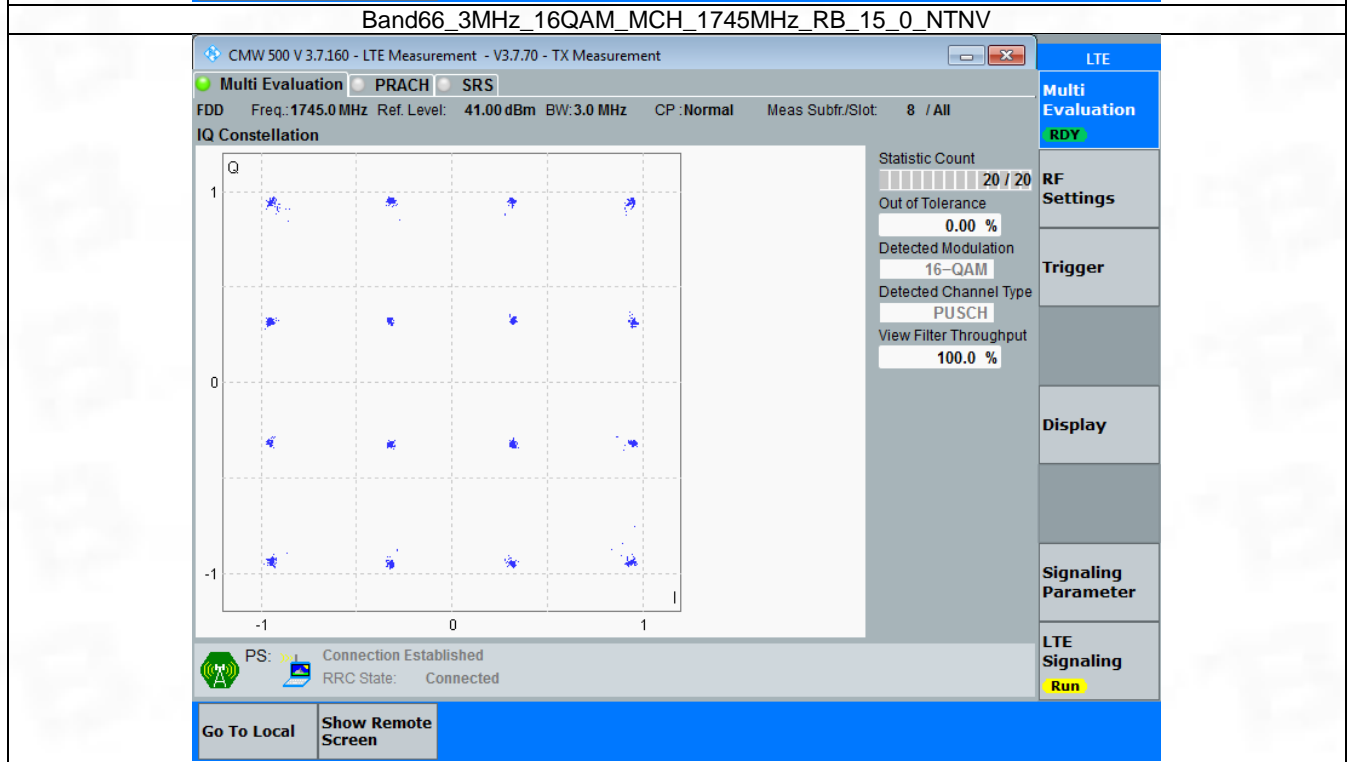
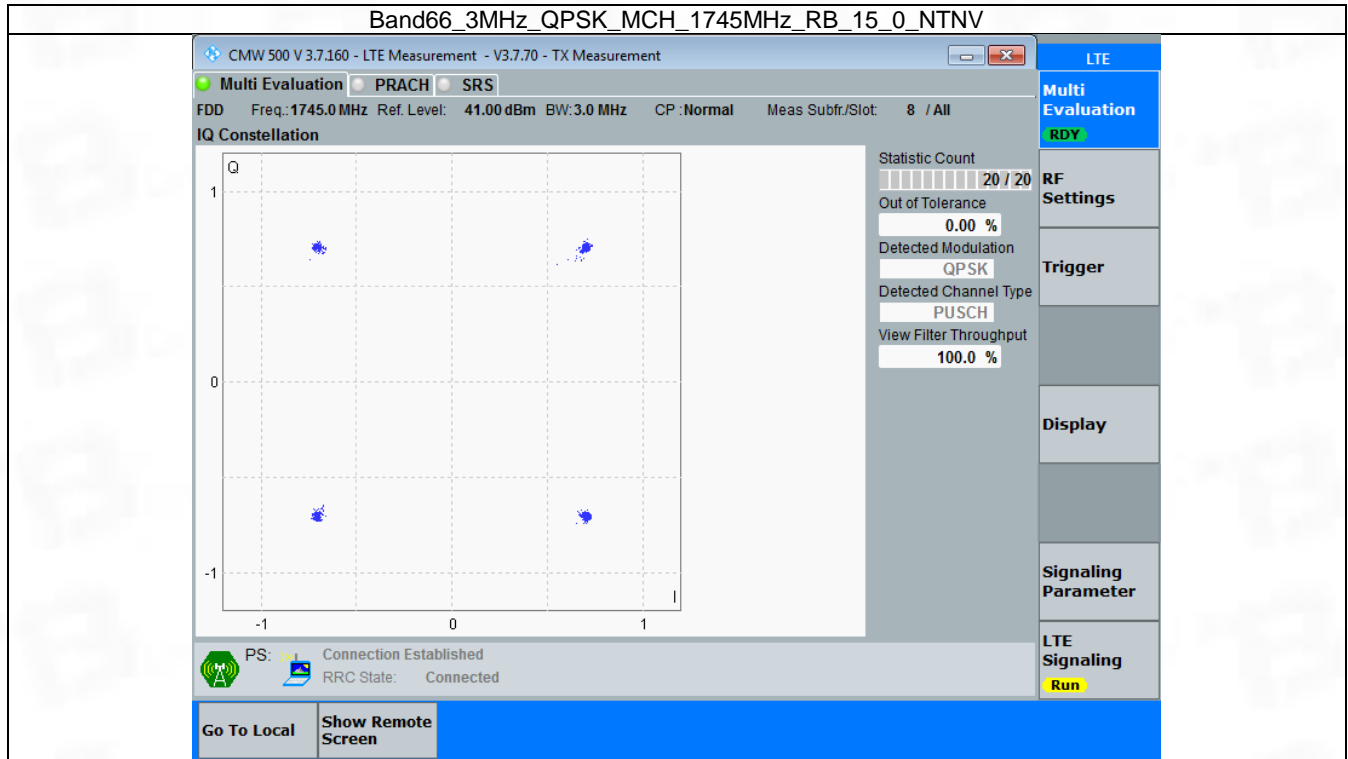


3.2 B66_3MHz

3.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTN						
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

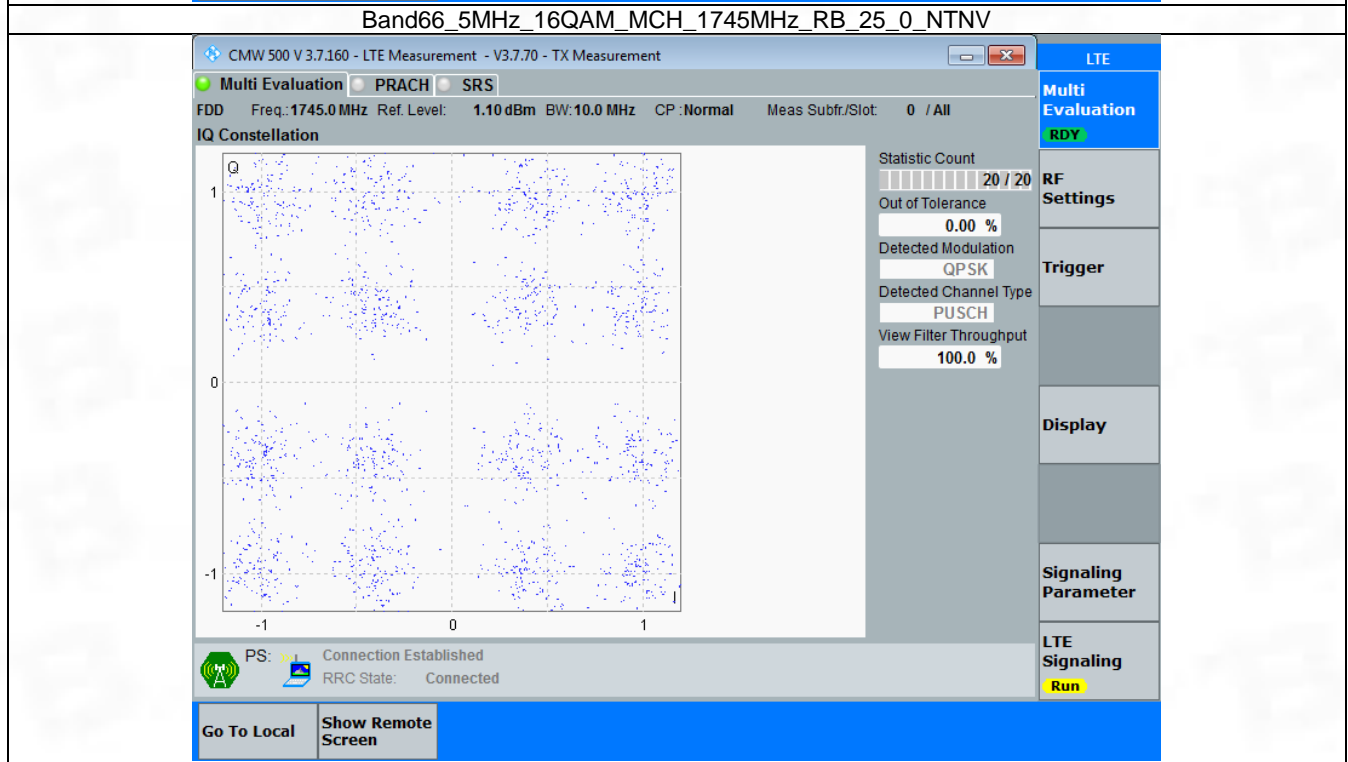
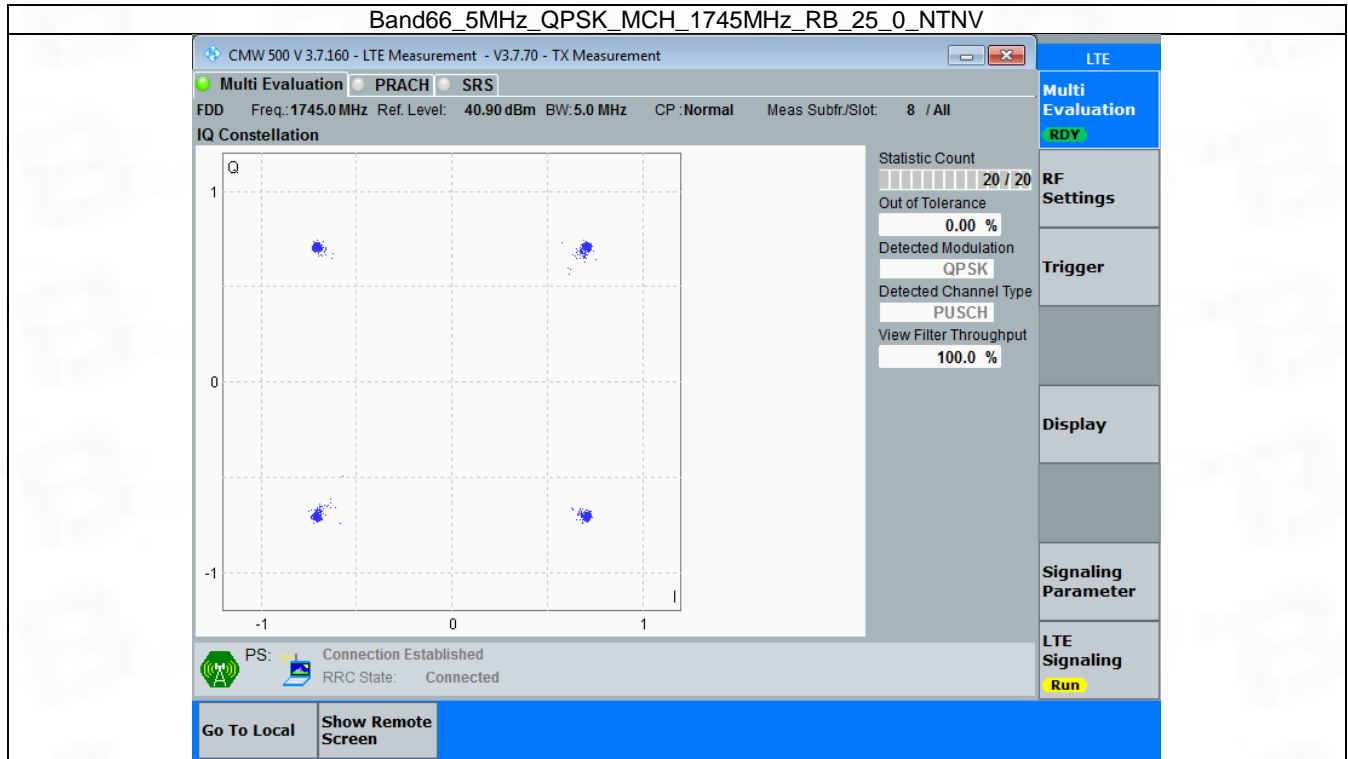


3.3 B66_5MHz

3.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTN						
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

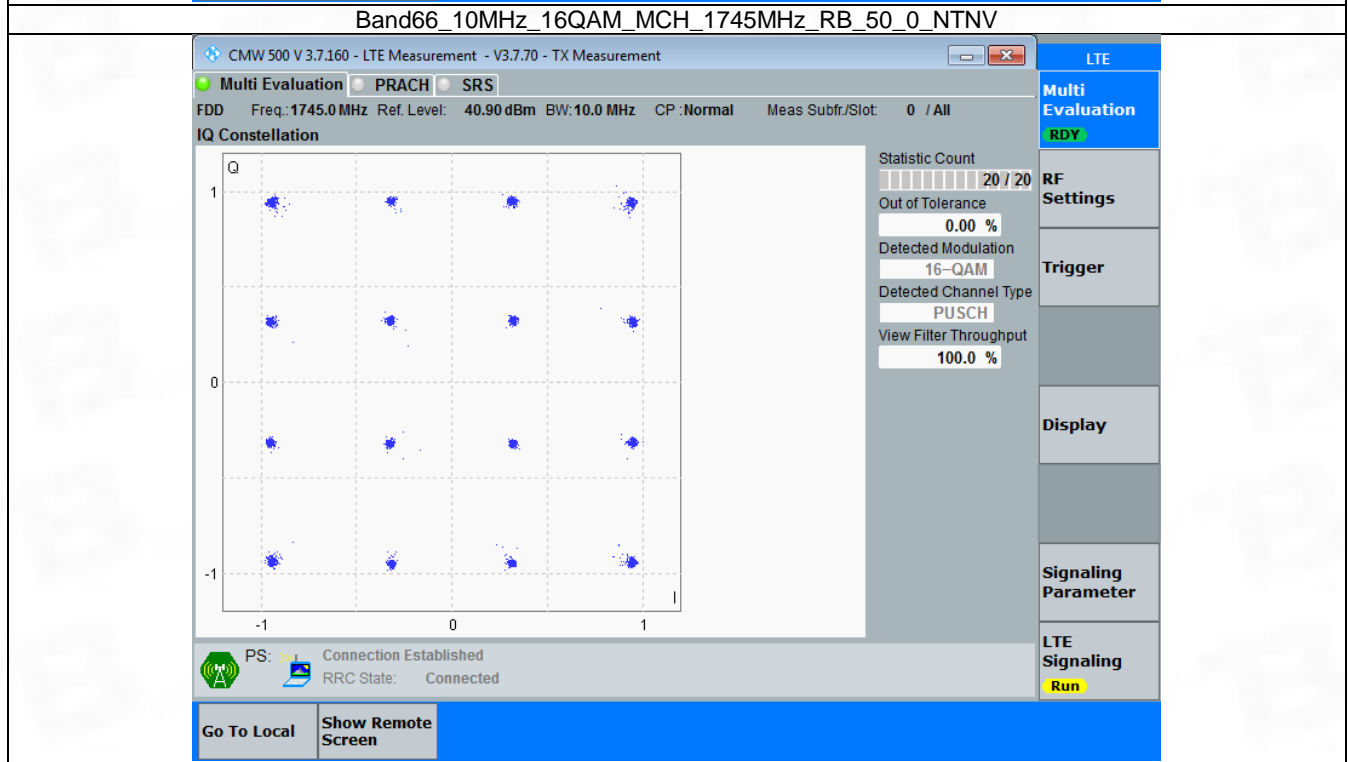
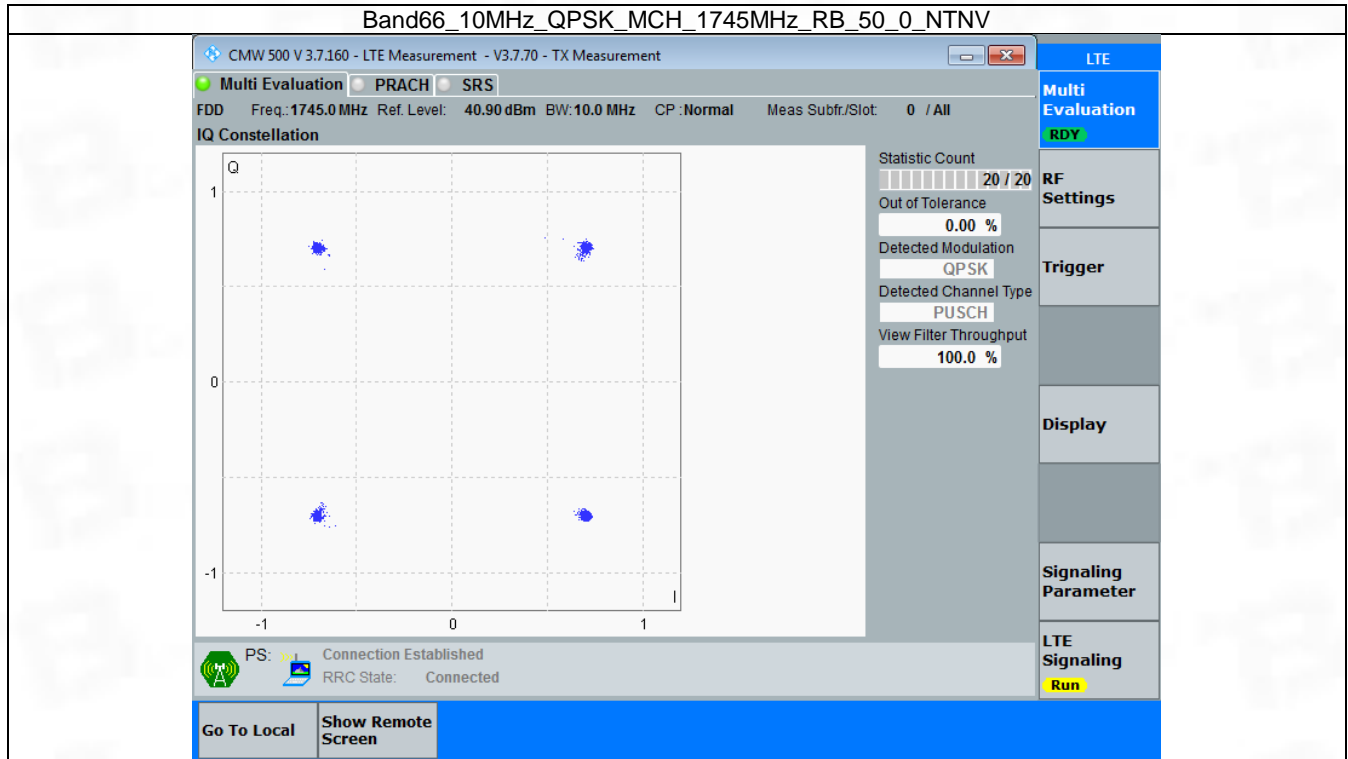


3.4 B66_10MHz

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

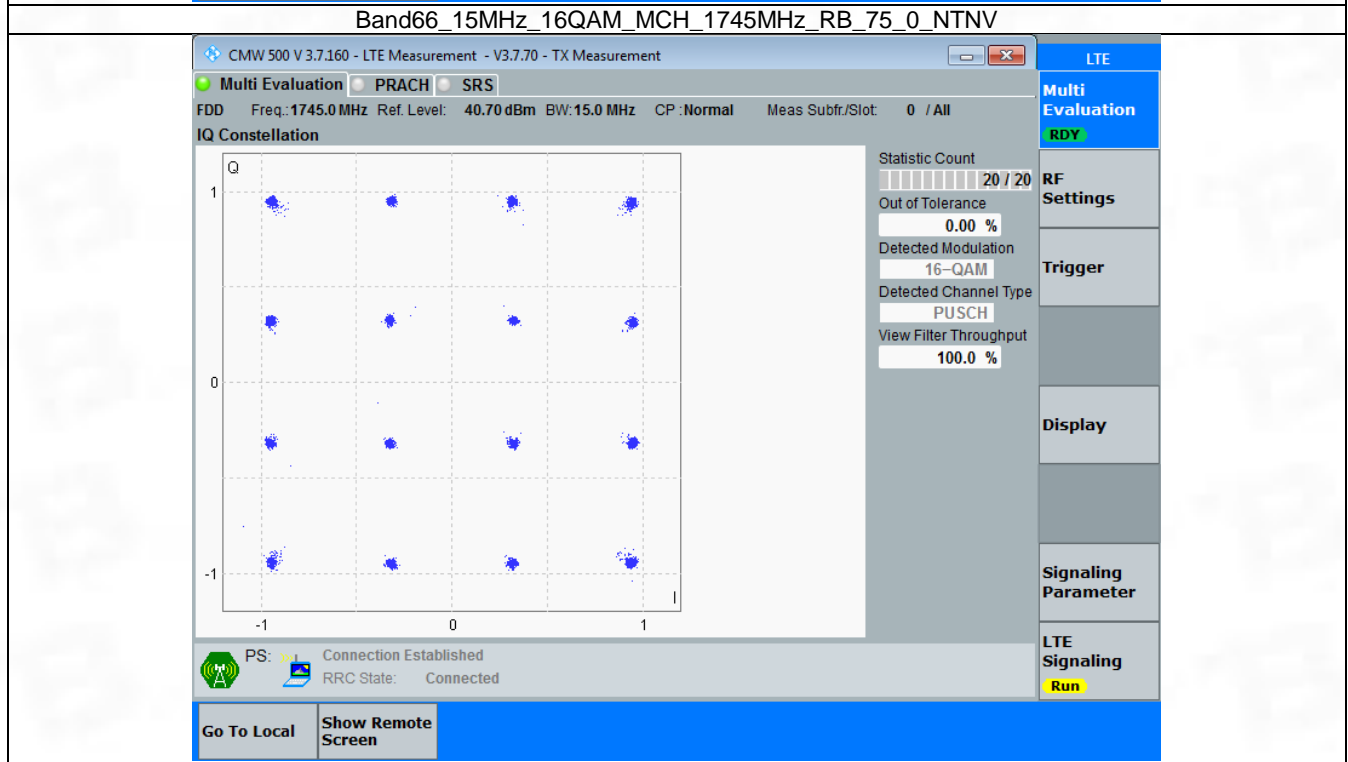
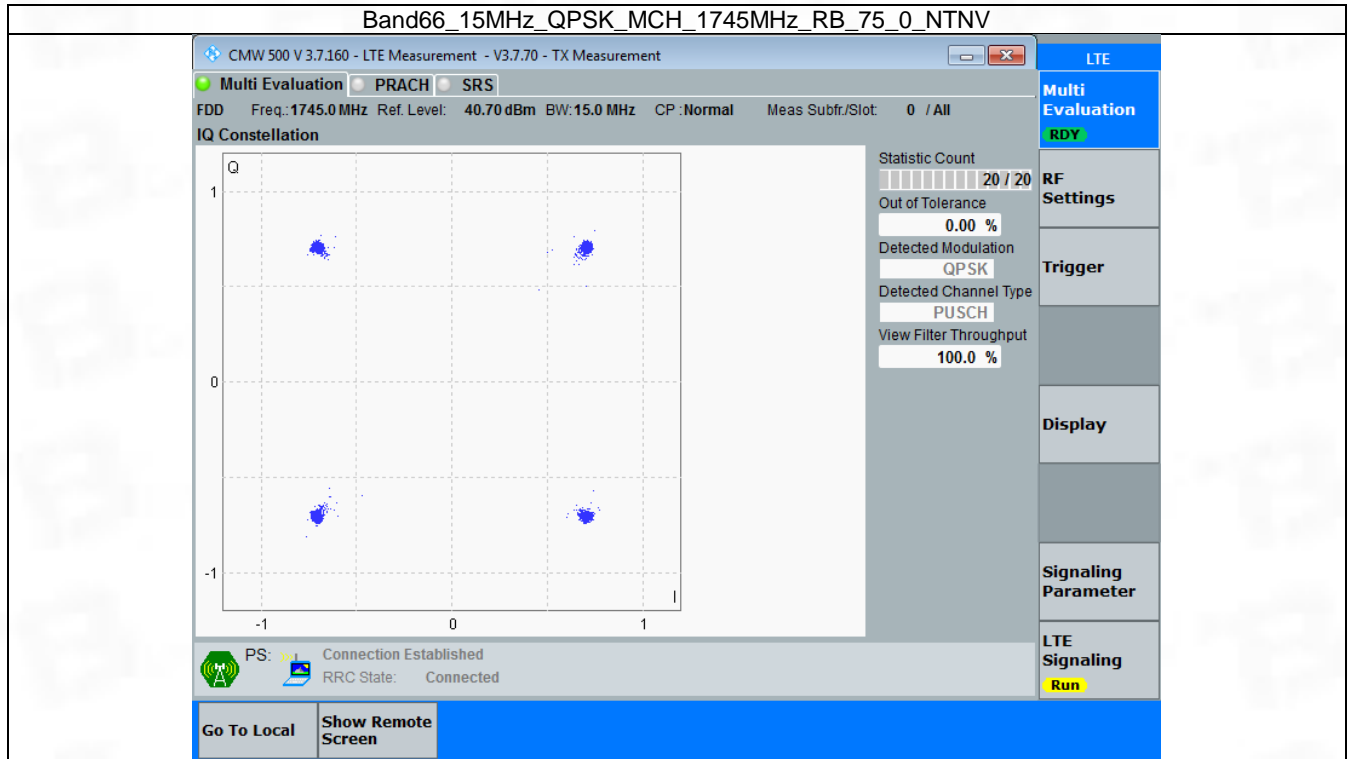


3.5 B66_15MHz

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

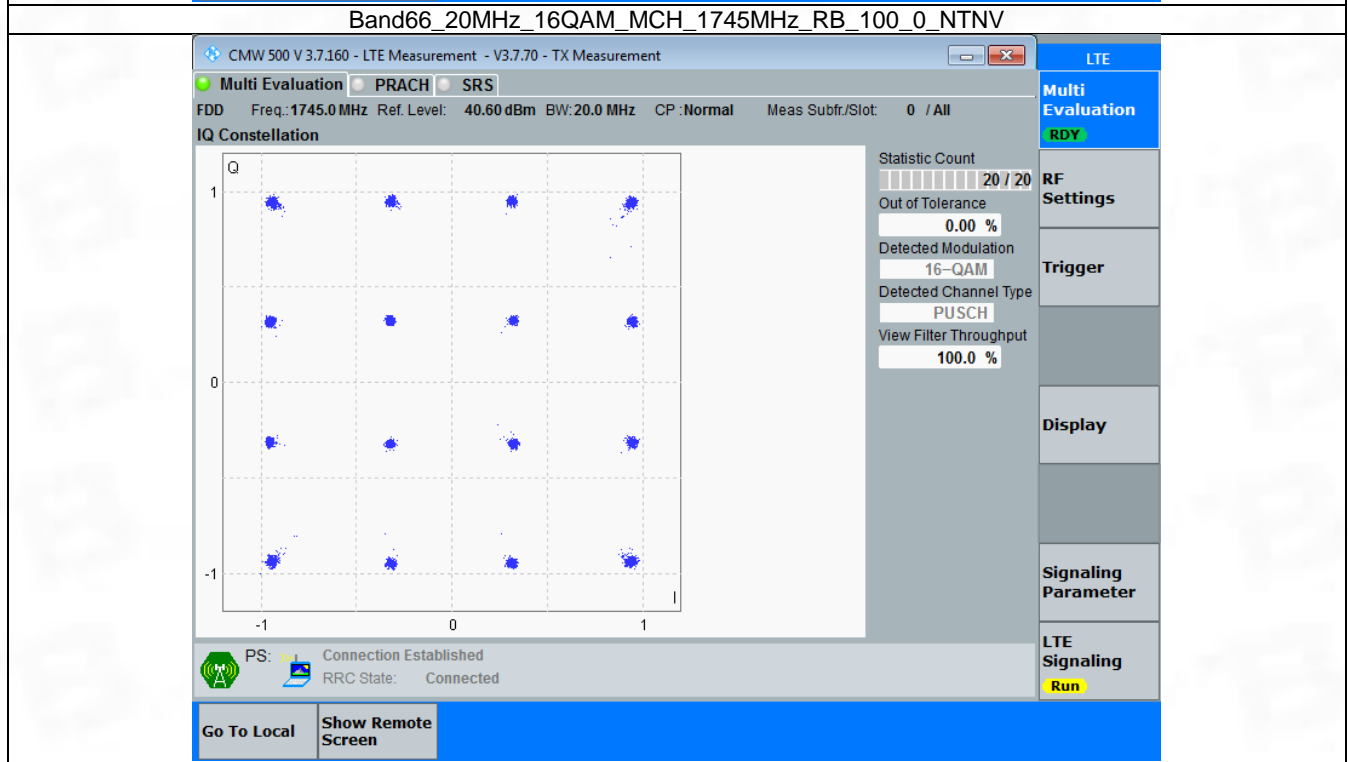
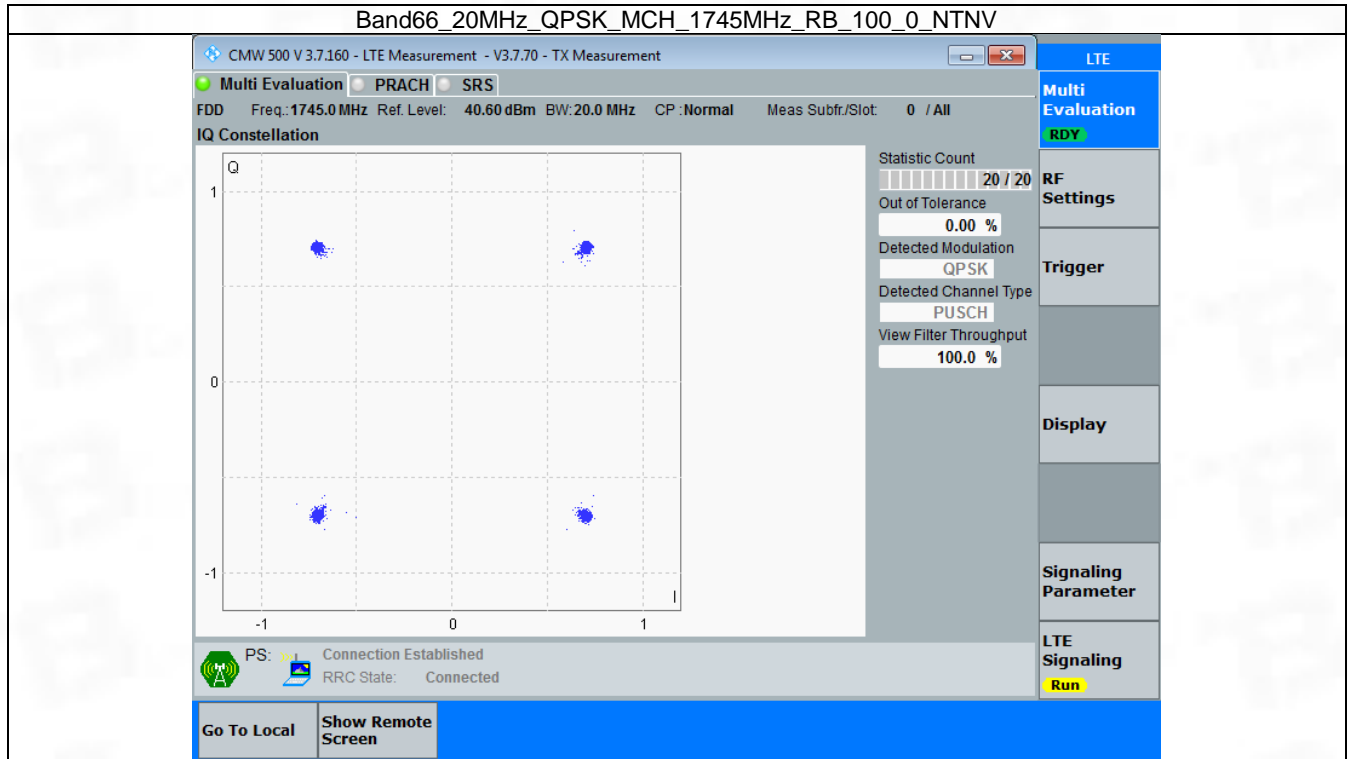


3.6 B66_20MHz

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



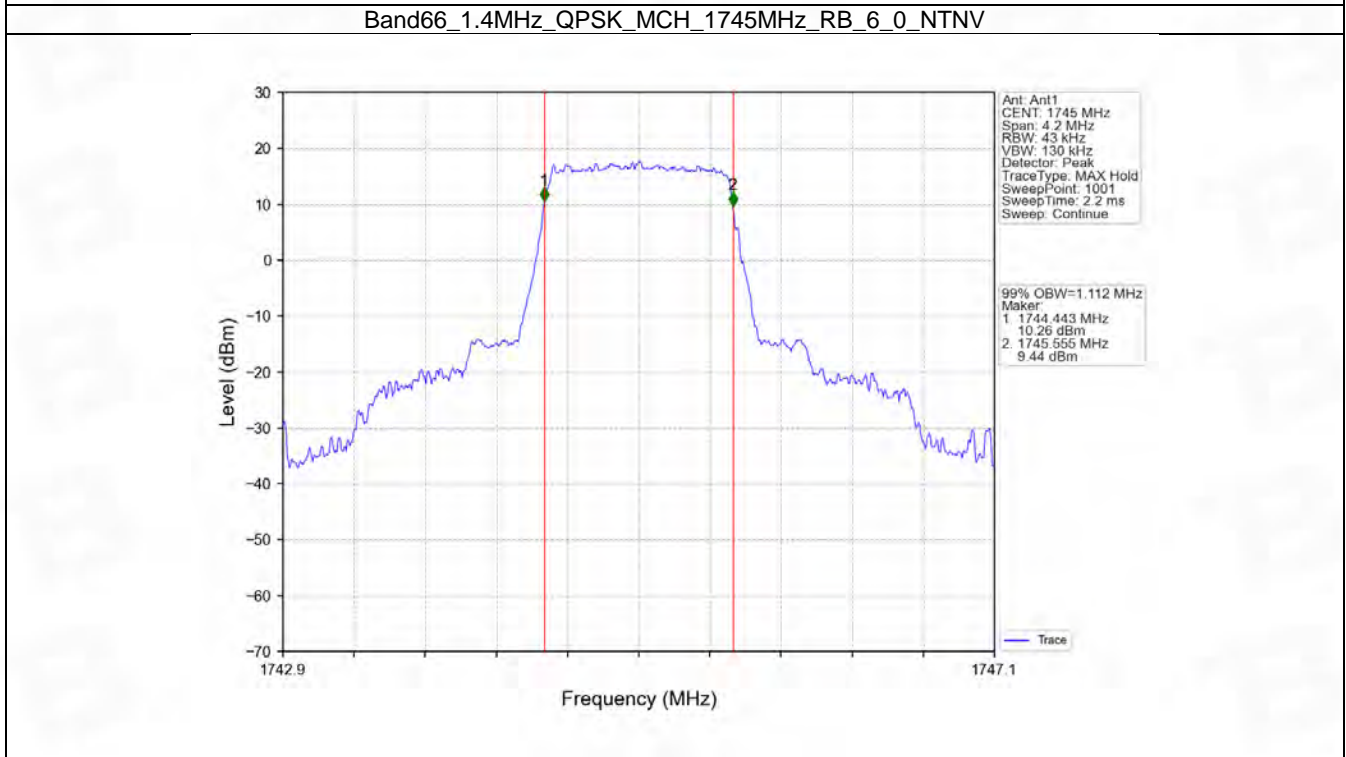
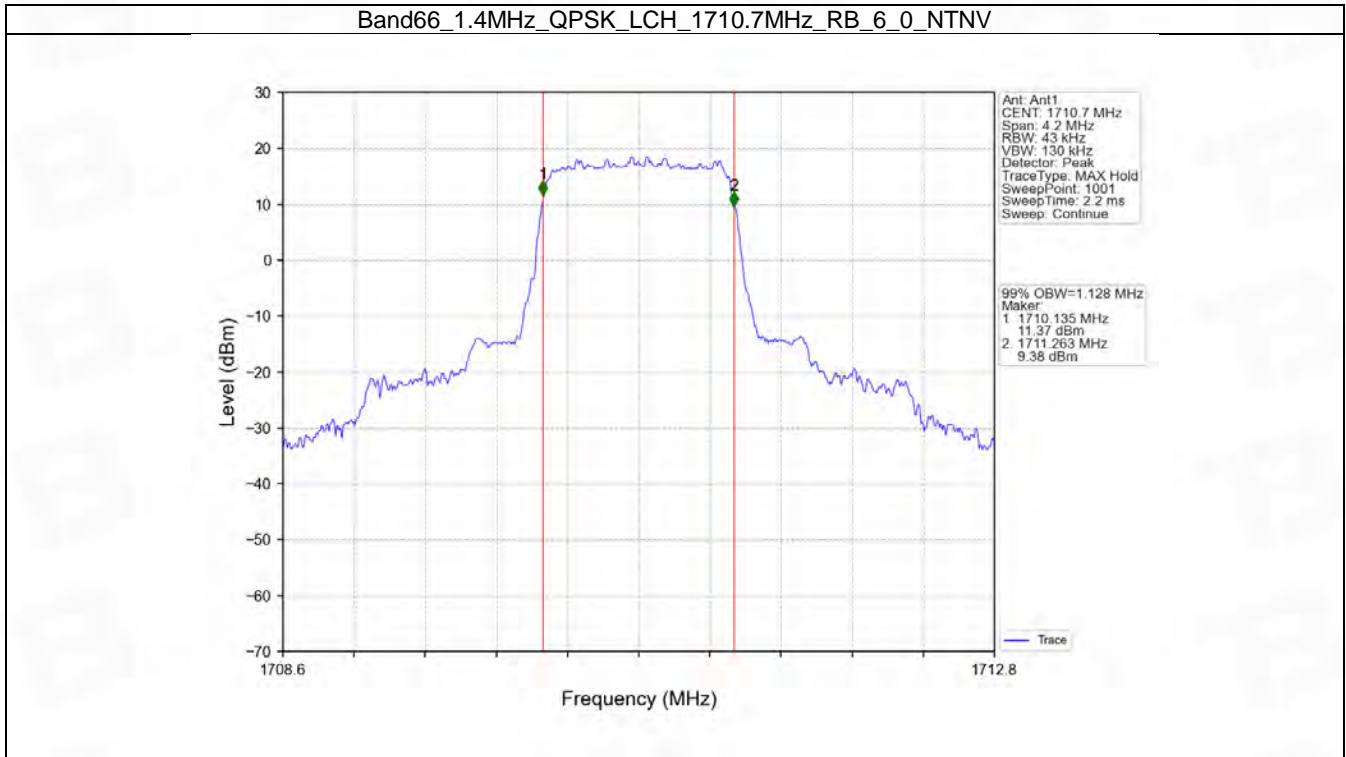
4. 99% & 26dB Bandwidth

4.1 Band66_OBW

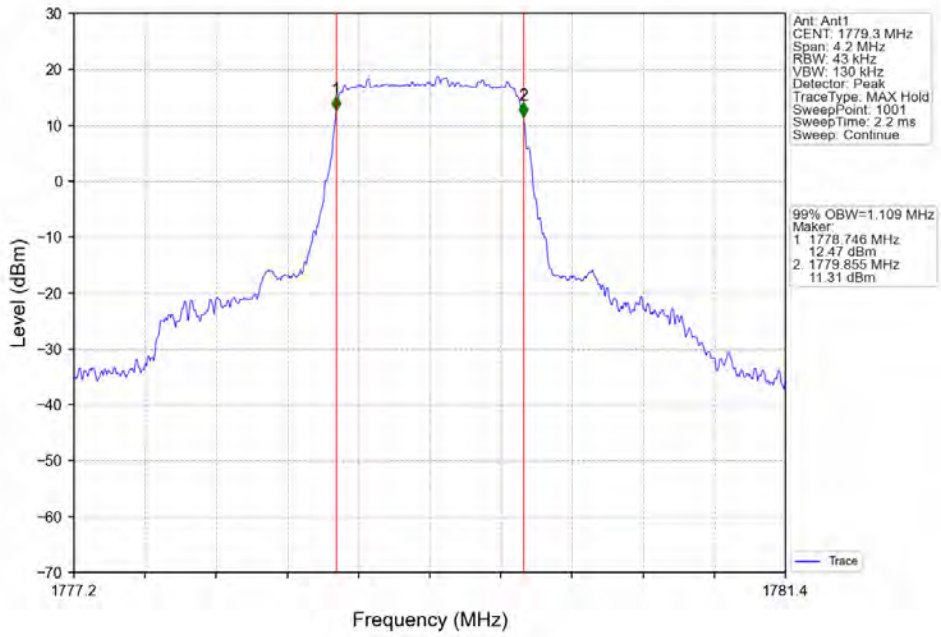
4.1.1 Test Result

Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.128	/	Pass
		1745	6	0	1.112	/	Pass
		1779.3	6	0	1.109	/	Pass
	16QAM	1710.7	6	0	1.112	/	Pass
		1745	6	0	1.104	/	Pass
		1779.3	6	0	1.117	/	Pass
3	QPSK	1711.5	15	0	2.730	/	Pass
		1745	15	0	2.736	/	Pass
		1778.5	15	0	2.717	/	Pass
	16QAM	1711.5	15	0	2.723	/	Pass
		1745	15	0	2.725	/	Pass
		1778.5	15	0	2.719	/	Pass
5	QPSK	1712.5	25	0	4.574	/	Pass
		1745	25	0	4.565	/	Pass
		1777.5	25	0	4.587	/	Pass
	16QAM	1712.5	25	0	4.590	/	Pass
		1745	25	0	4.584	/	Pass
		1777.5	25	0	4.566	/	Pass
10	QPSK	1715	50	0	9.090	/	Pass
		1745	50	0	9.066	/	Pass
		1775	50	0	9.105	/	Pass
	16QAM	1715	50	0	9.072	/	Pass
		1745	50	0	9.081	/	Pass
		1775	50	0	9.116	/	Pass
15	QPSK	1717.5	75	0	13.645	/	Pass
		1745	75	0	13.591	/	Pass
		1772.5	75	0	13.626	/	Pass
	16QAM	1717.5	75	0	13.632	/	Pass
		1745	75	0	13.618	/	Pass
		1772.5	75	0	13.612	/	Pass
20	QPSK	1720	100	0	18.172	/	Pass
		1745	100	0	18.120	/	Pass
		1770	100	0	18.080	/	Pass
	16QAM	1720	100	0	18.161	/	Pass
		1745	100	0	18.157	/	Pass
		1770	100	0	18.219	/	Pass

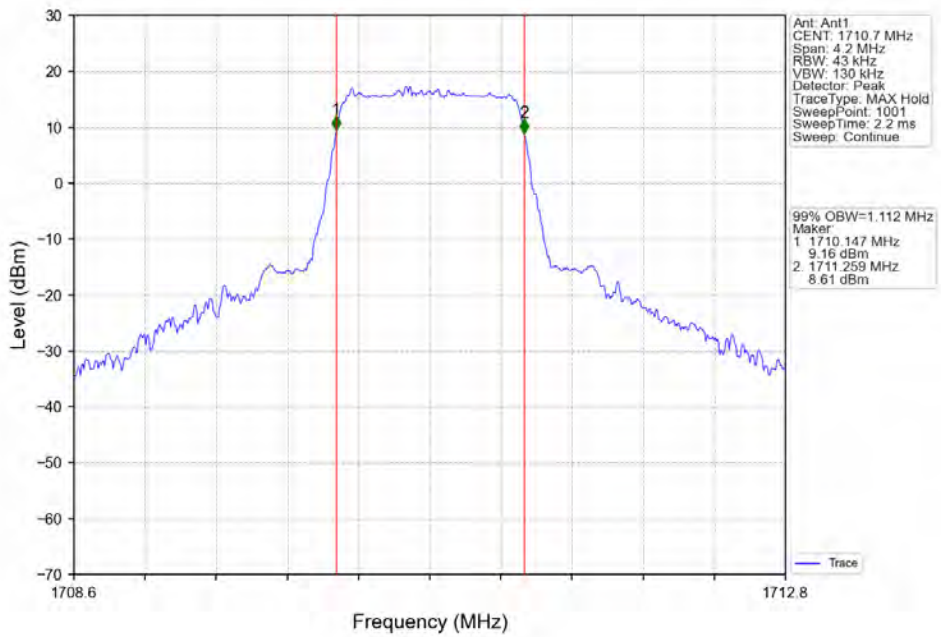
4.1.2 Test Graph



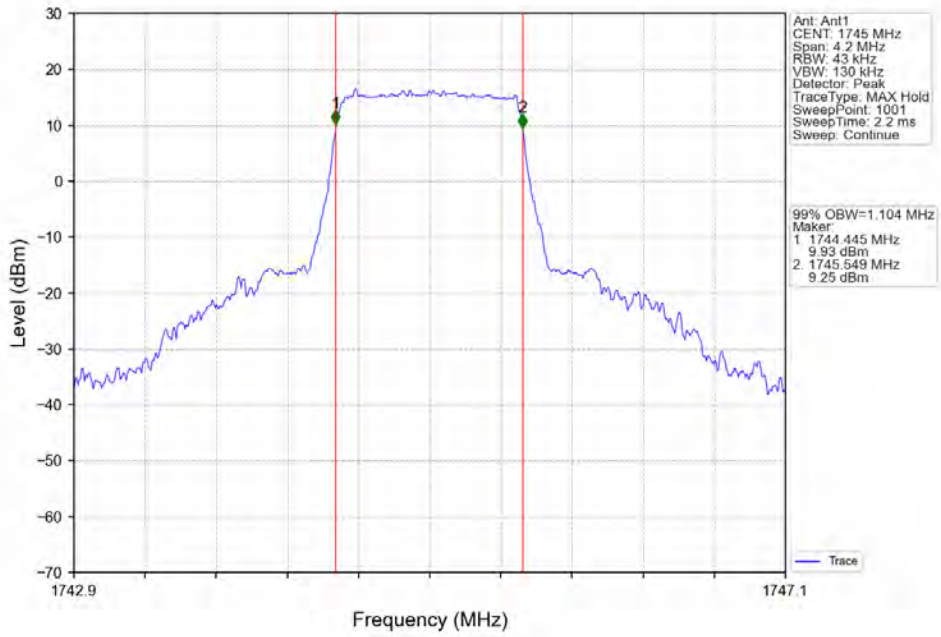
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



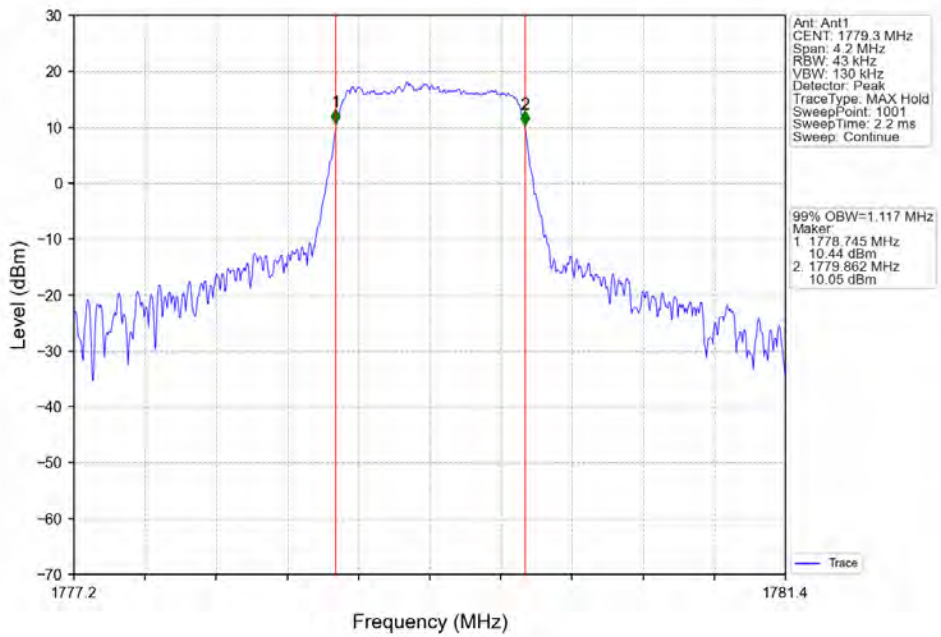
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



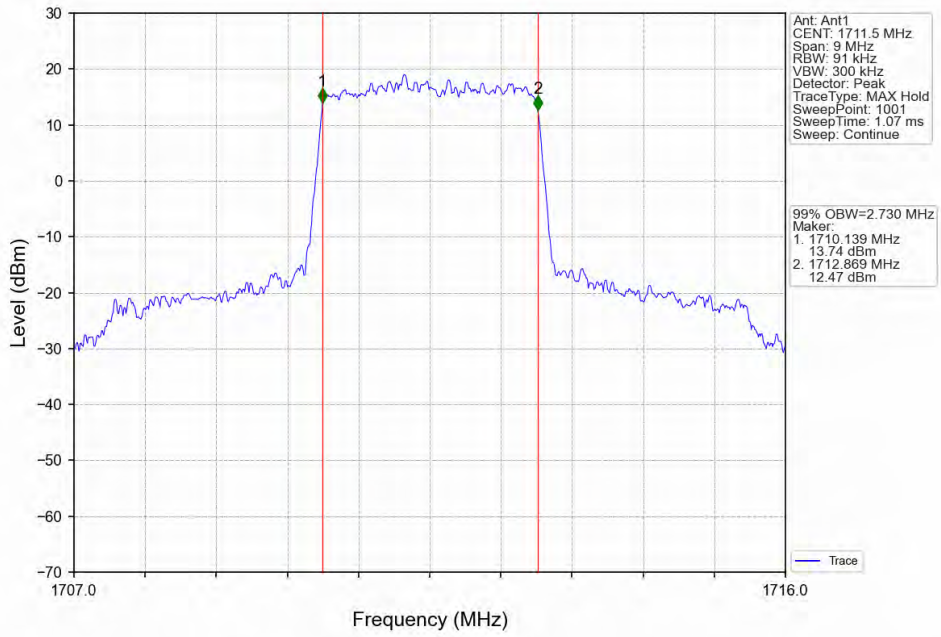
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



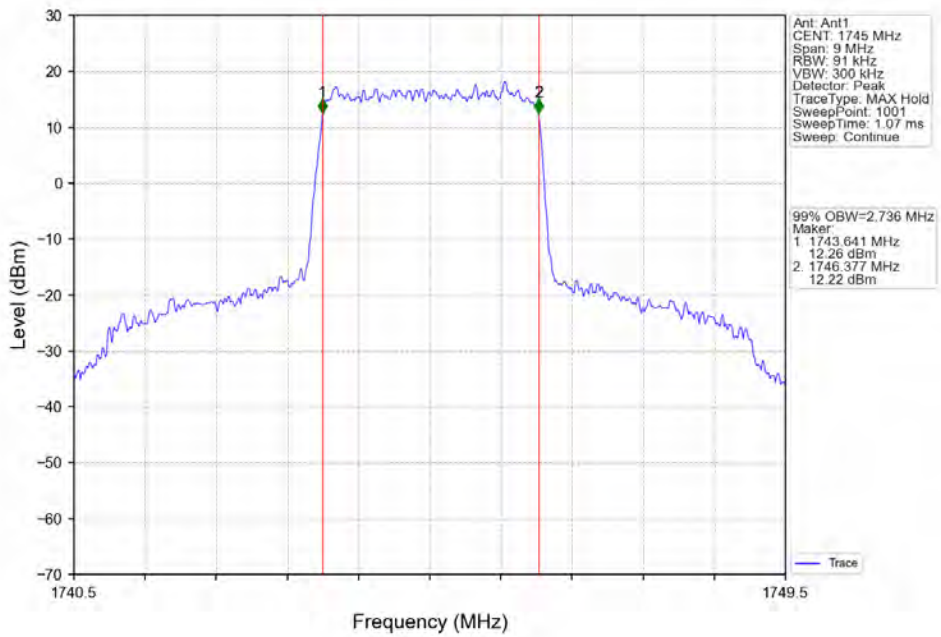
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



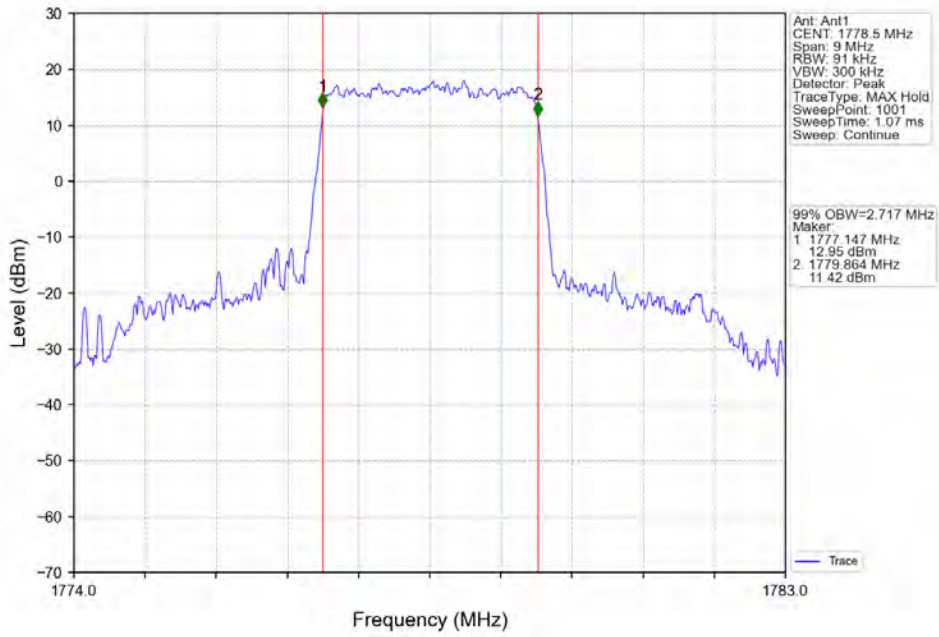
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



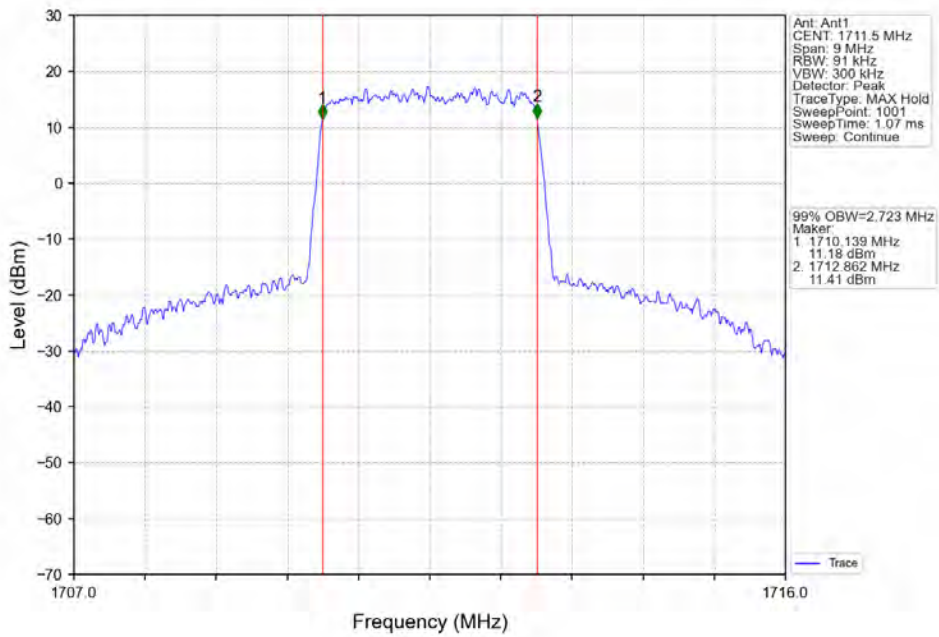
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



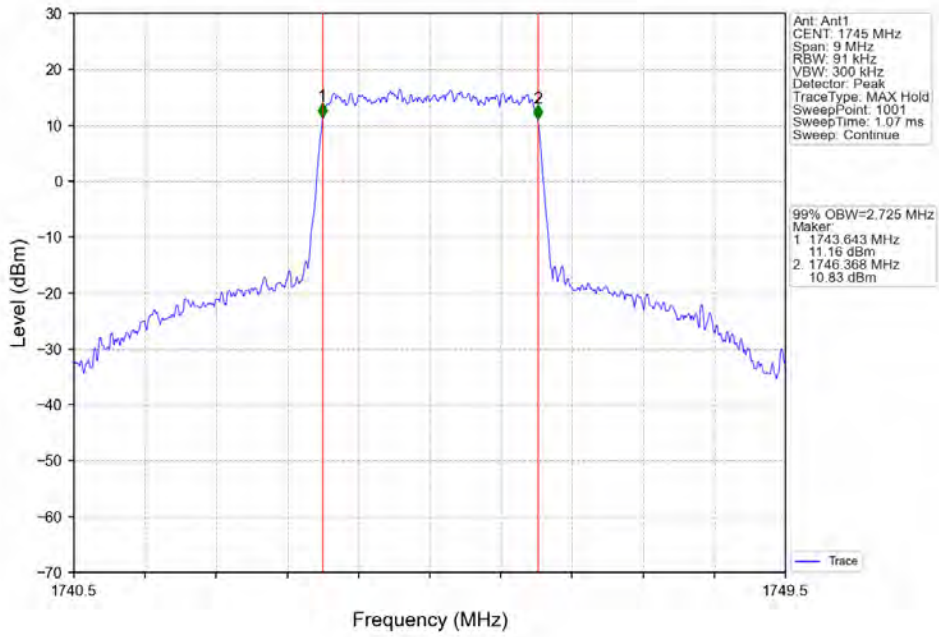
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



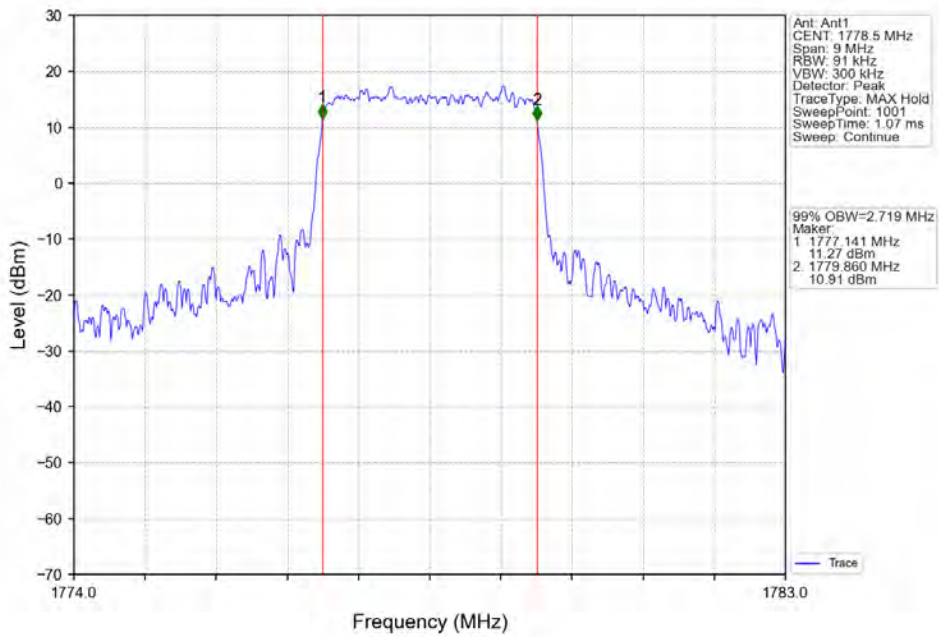
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



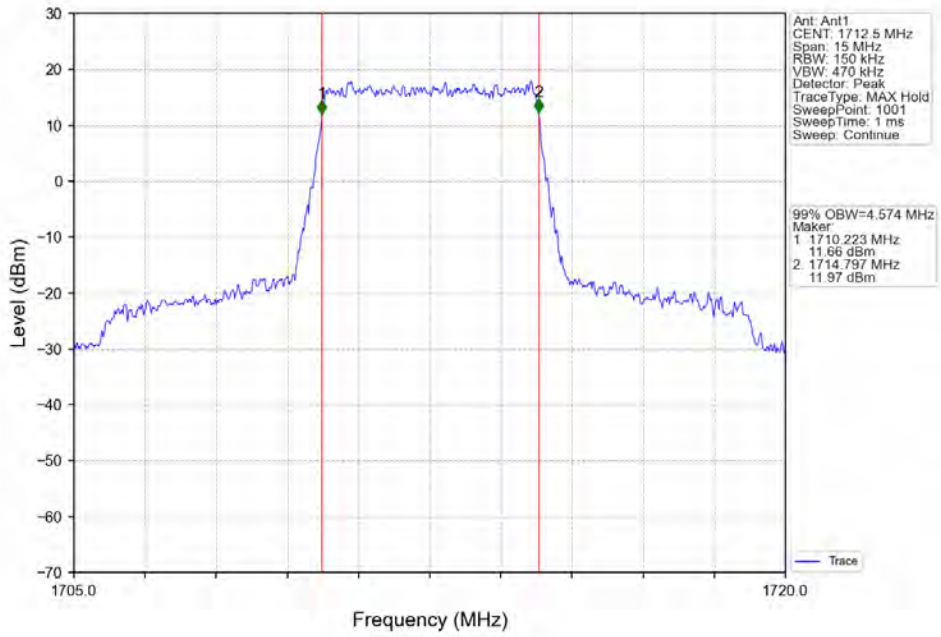
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



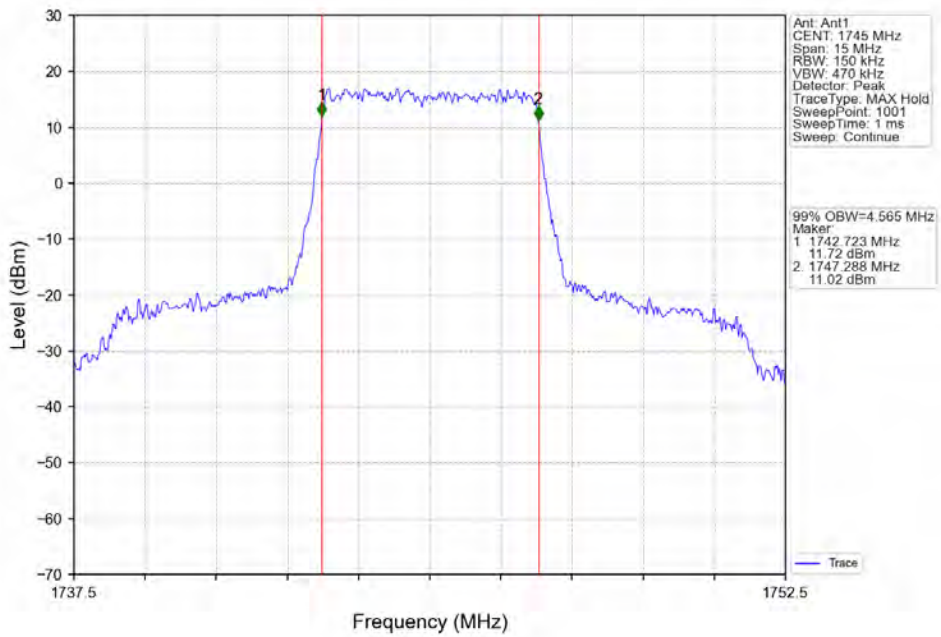
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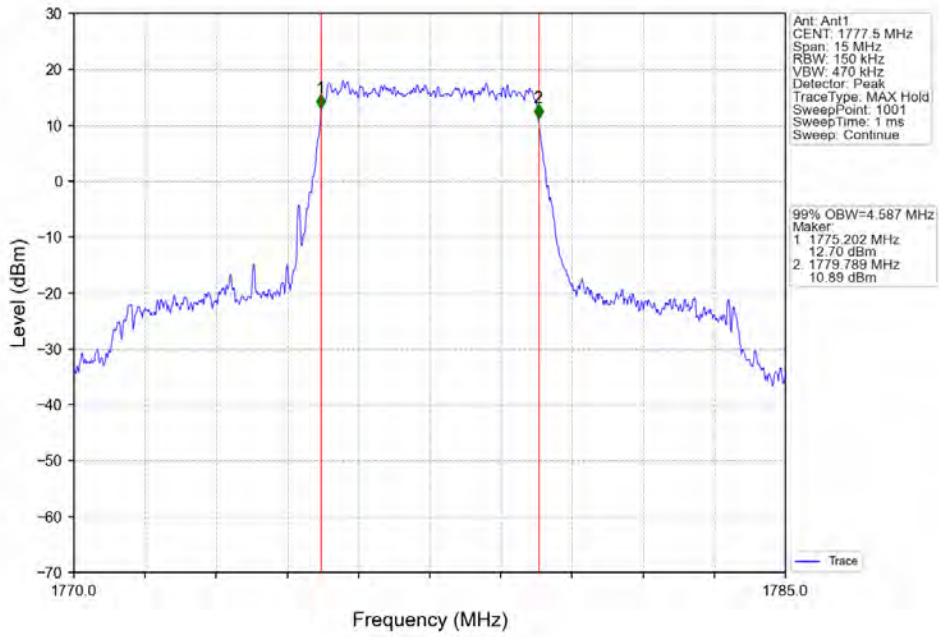
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



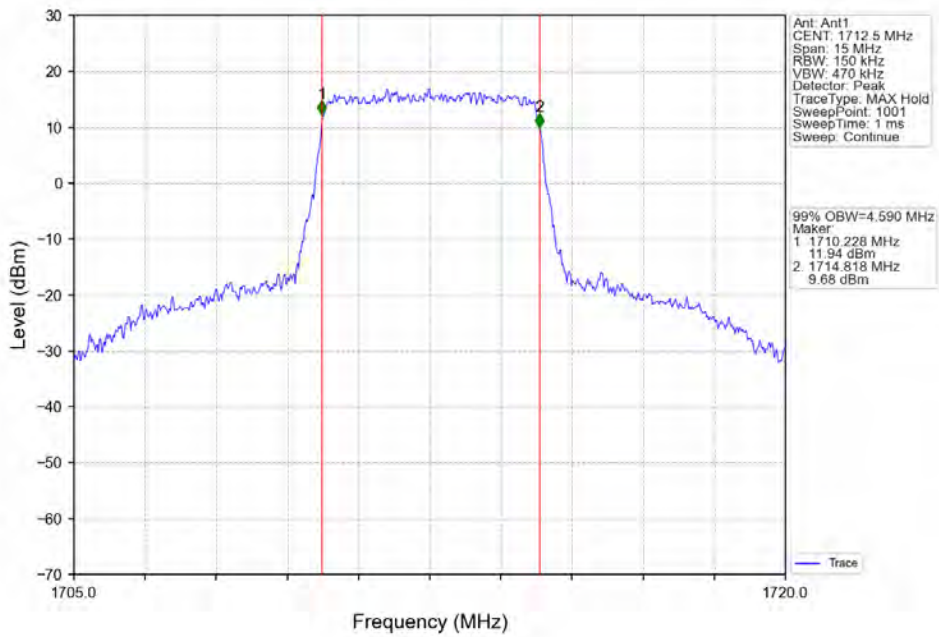
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



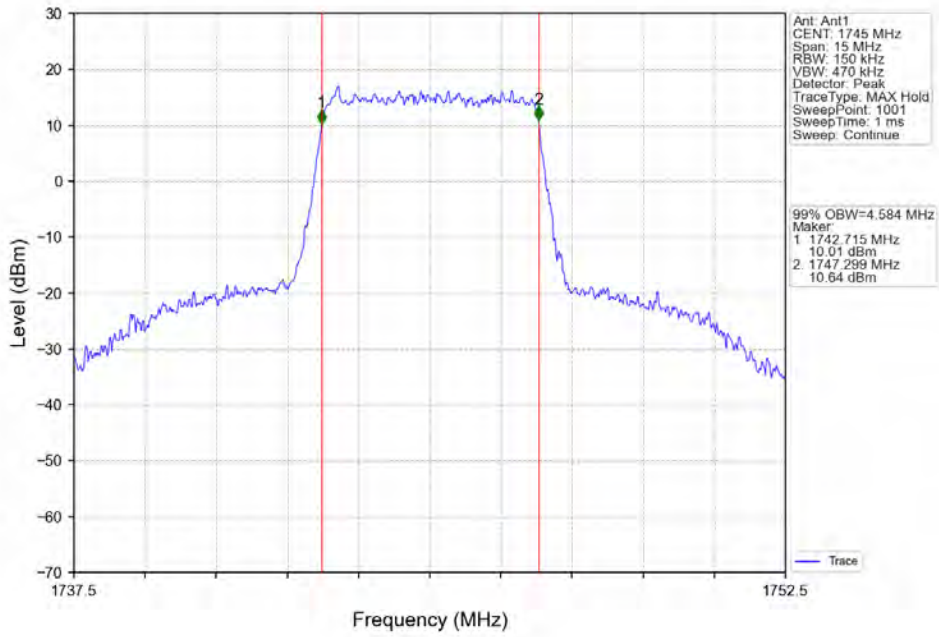
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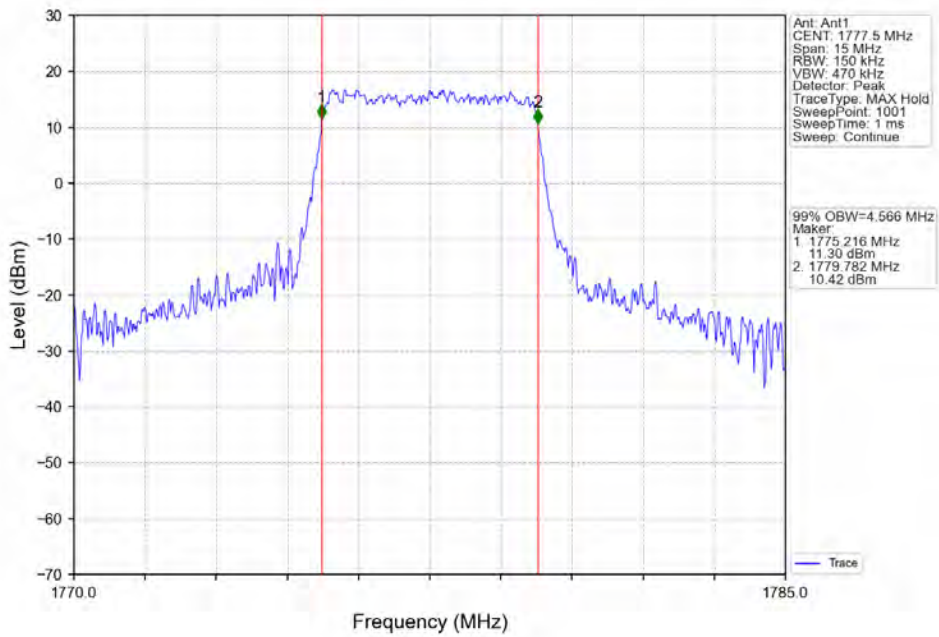
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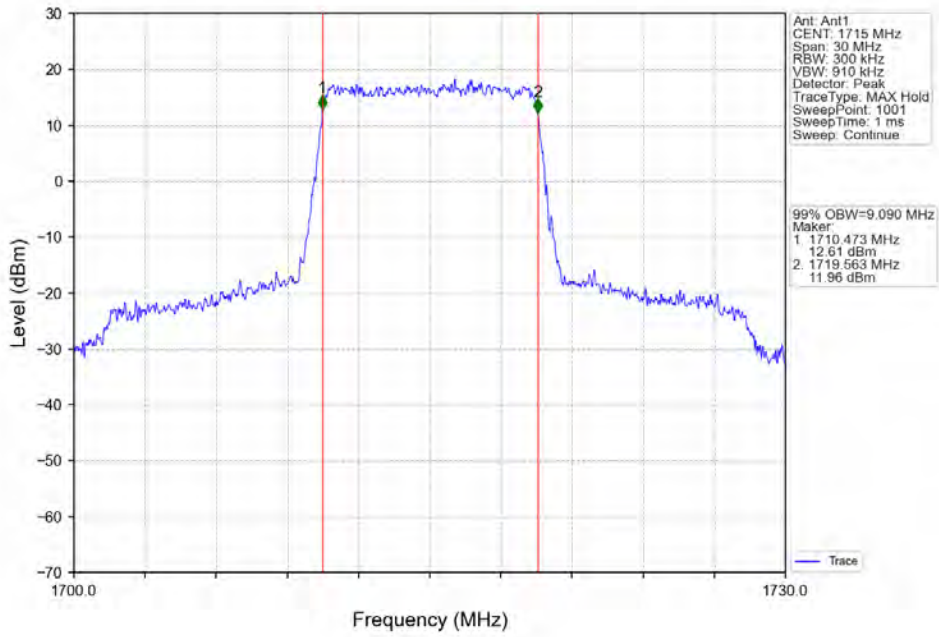
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



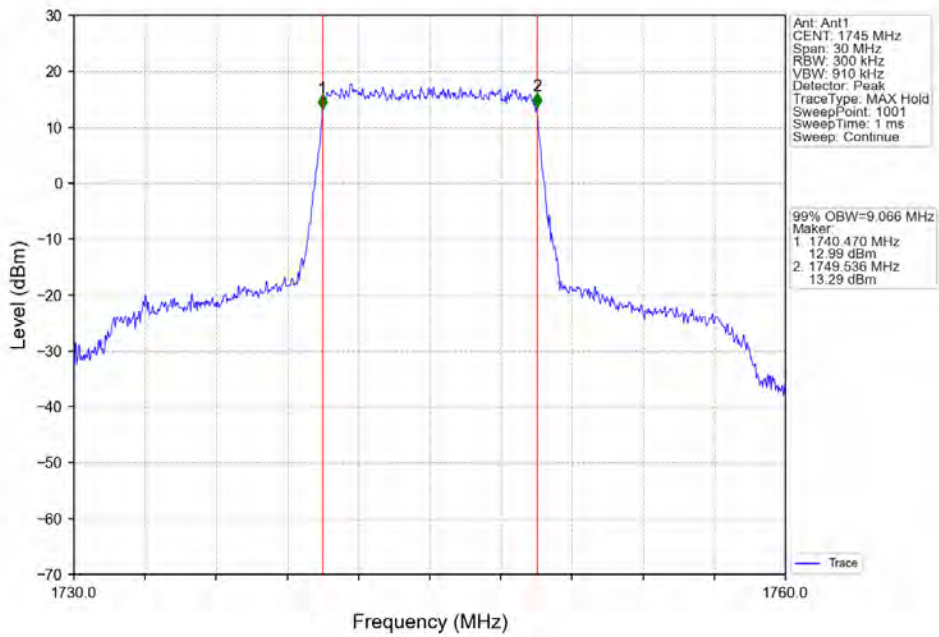
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



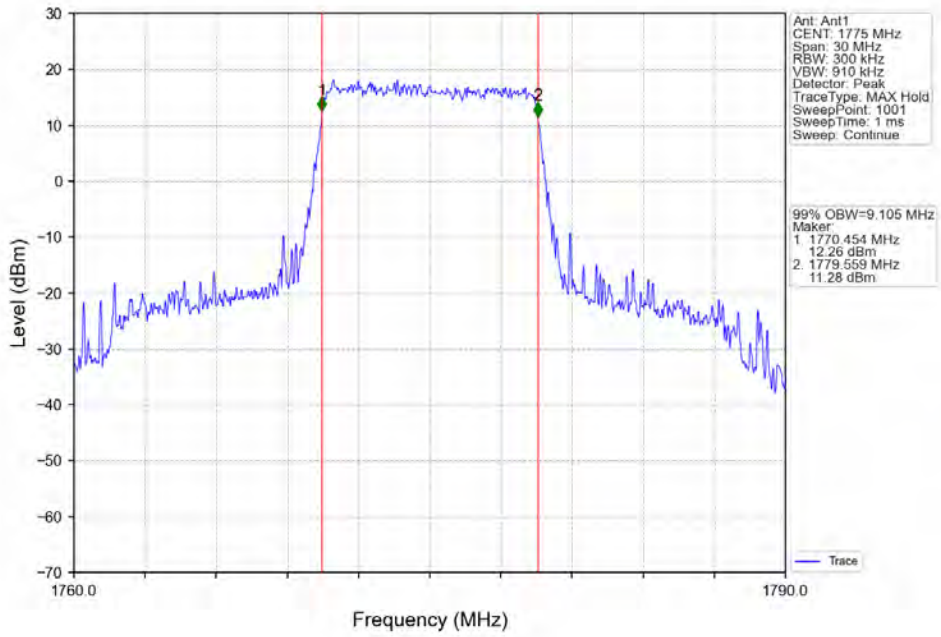
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



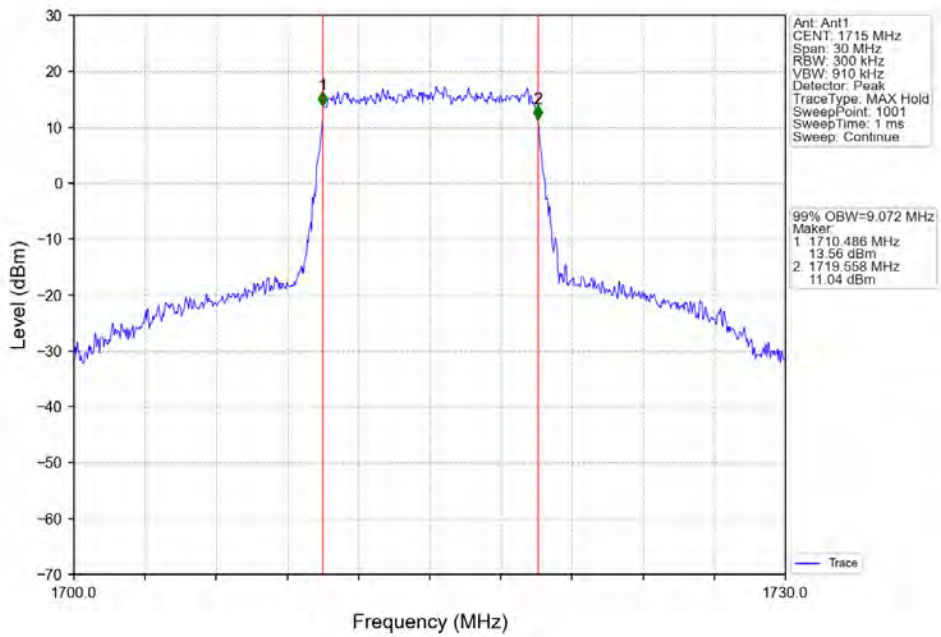
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



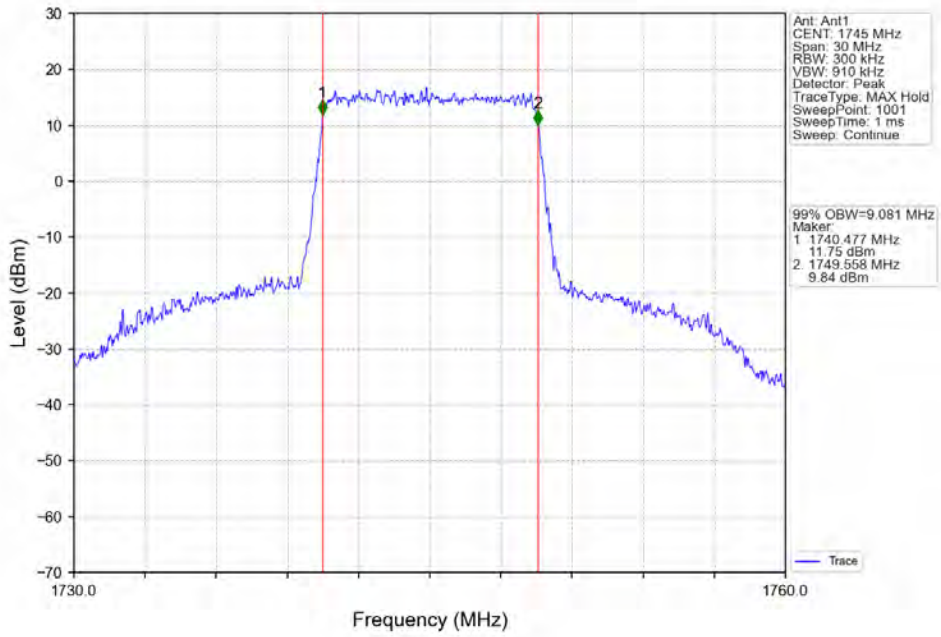
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



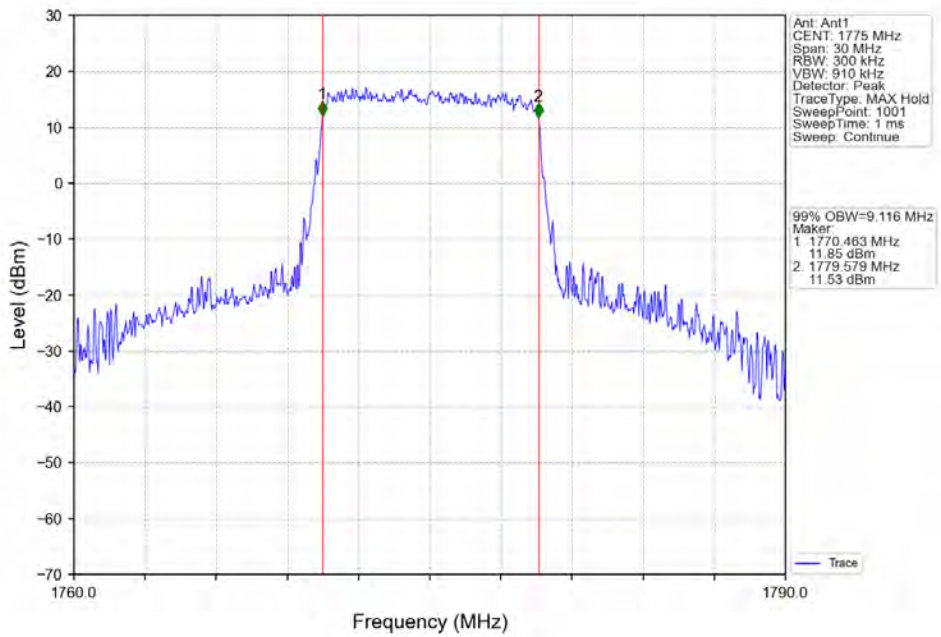
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



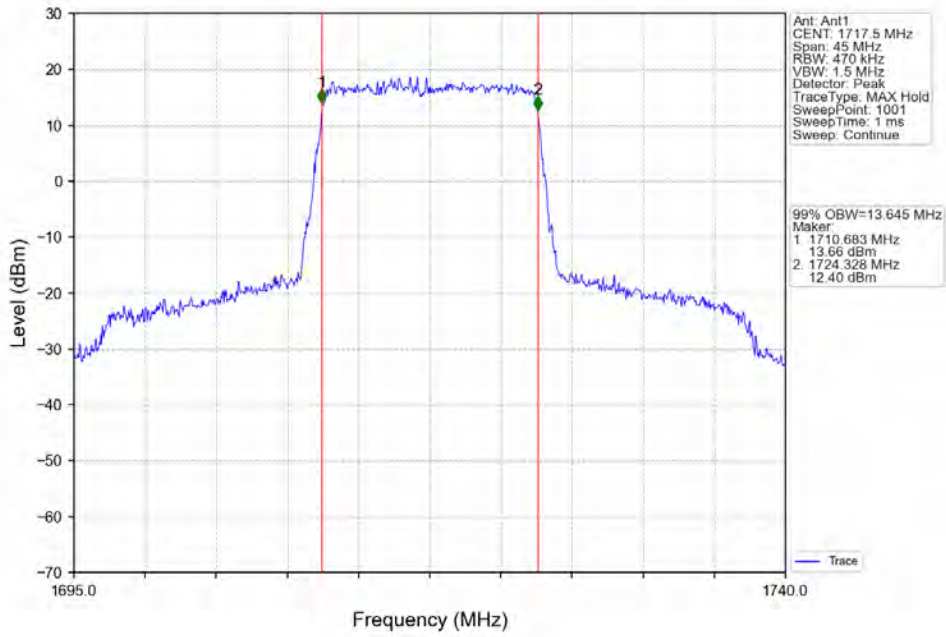
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



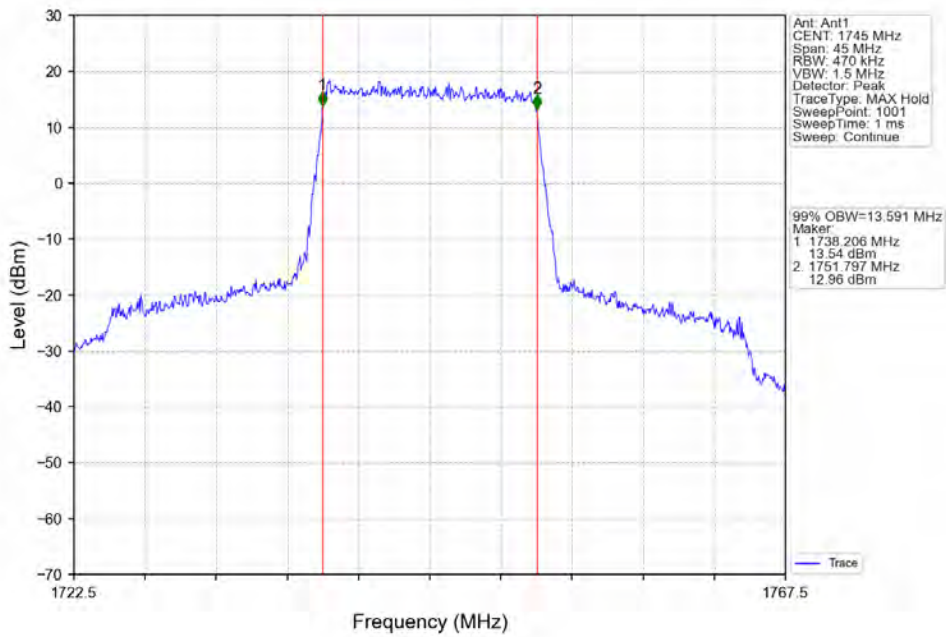
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



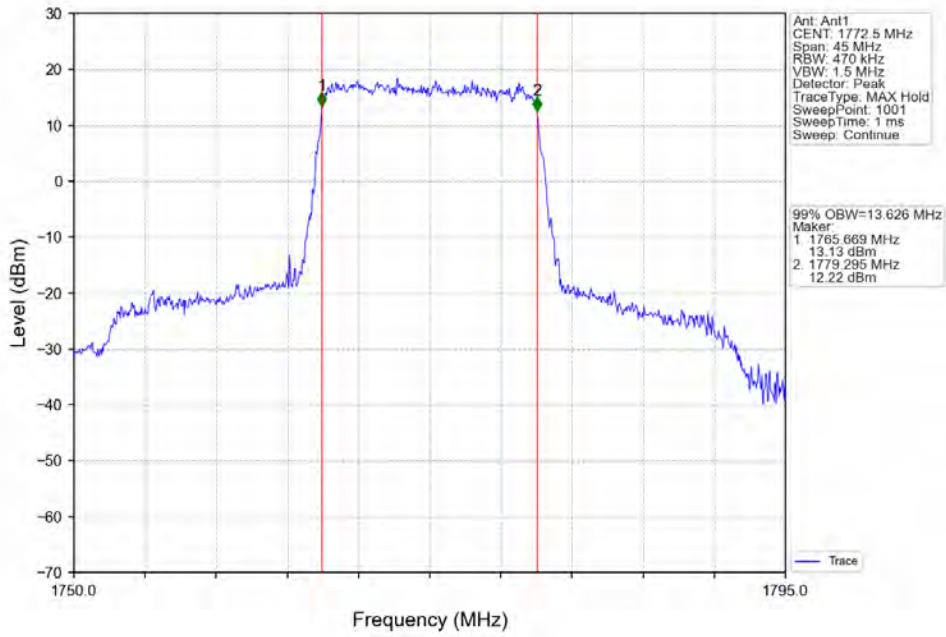
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



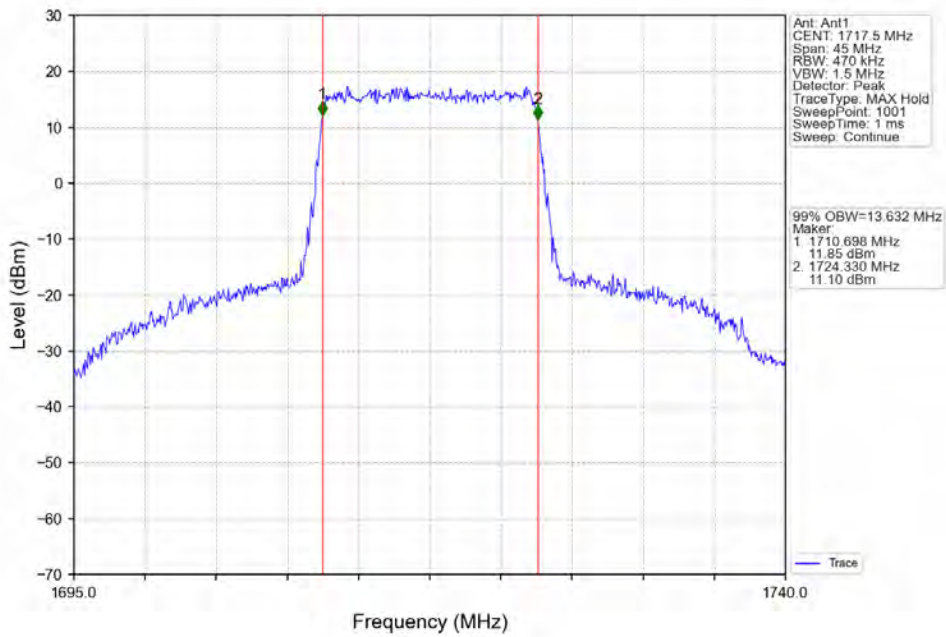
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



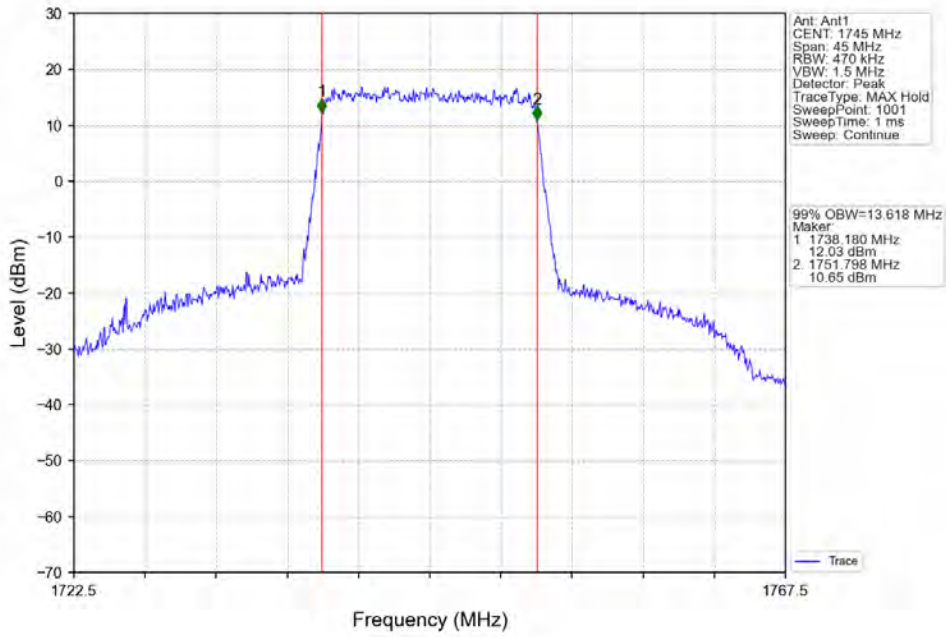
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



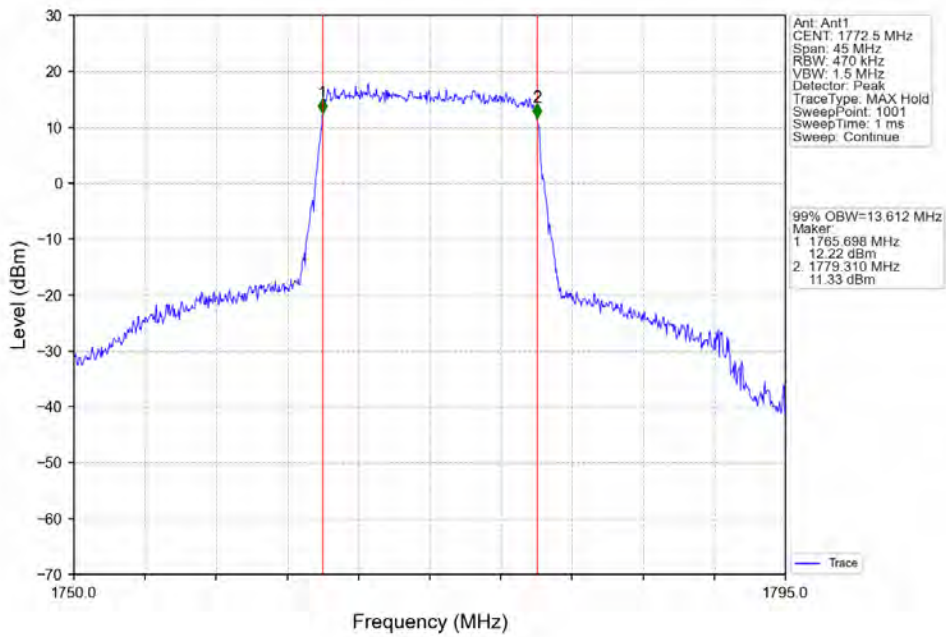
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



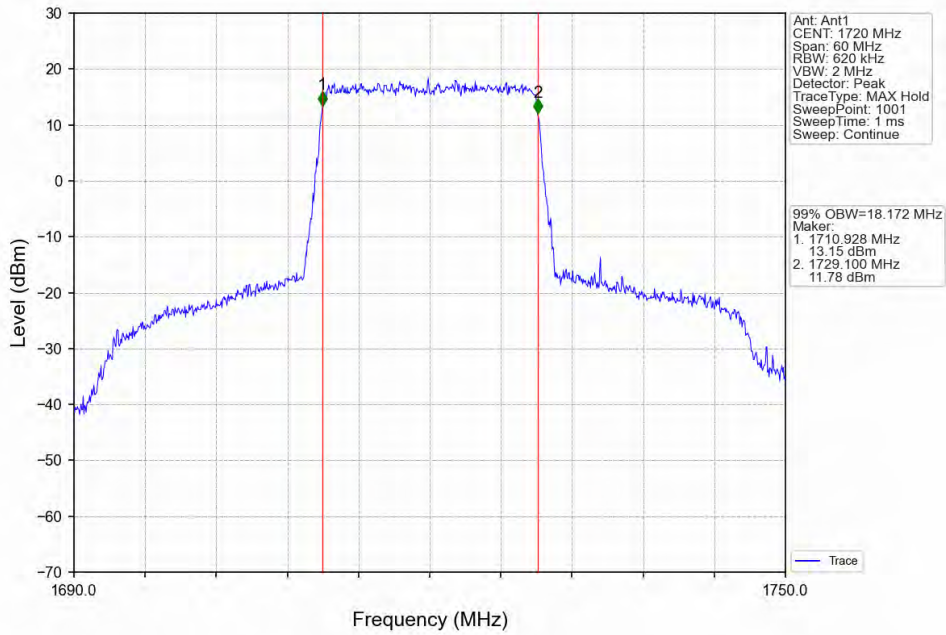
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



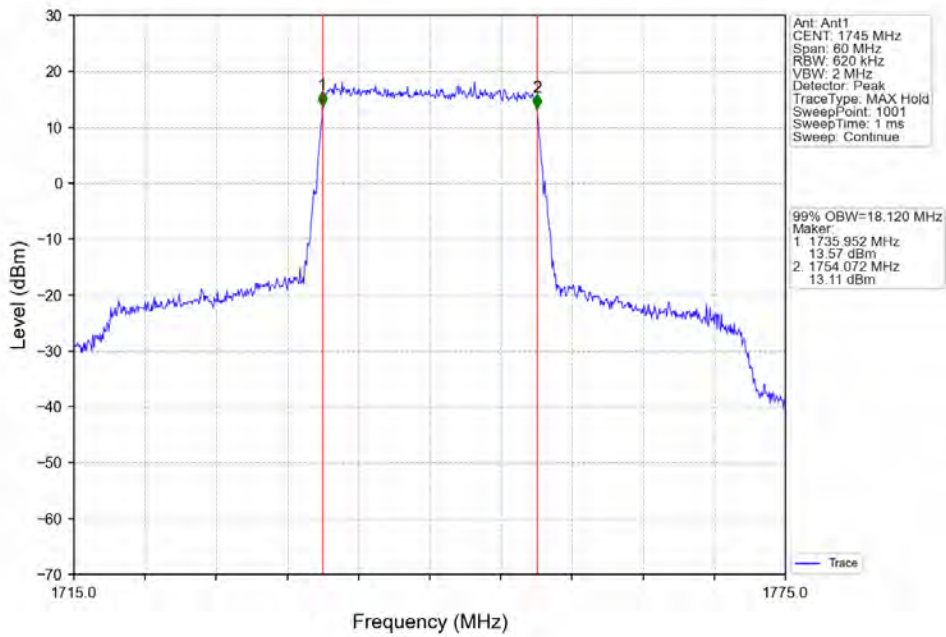
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



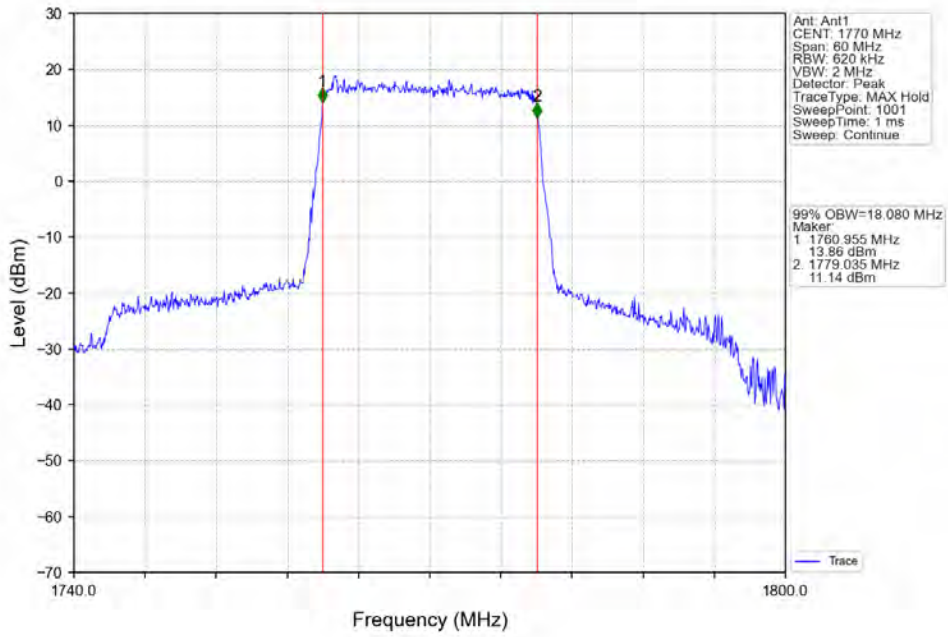
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



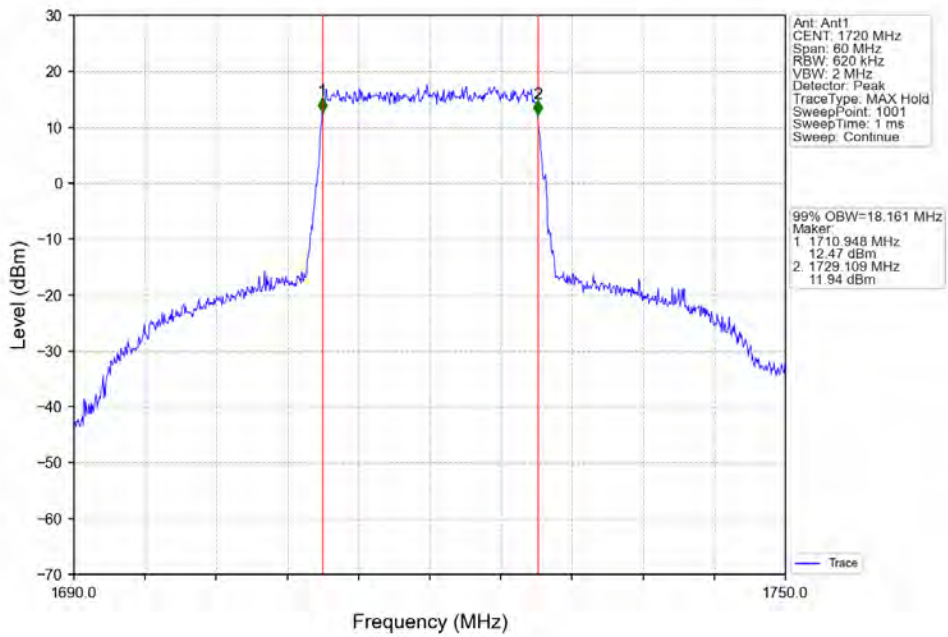
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



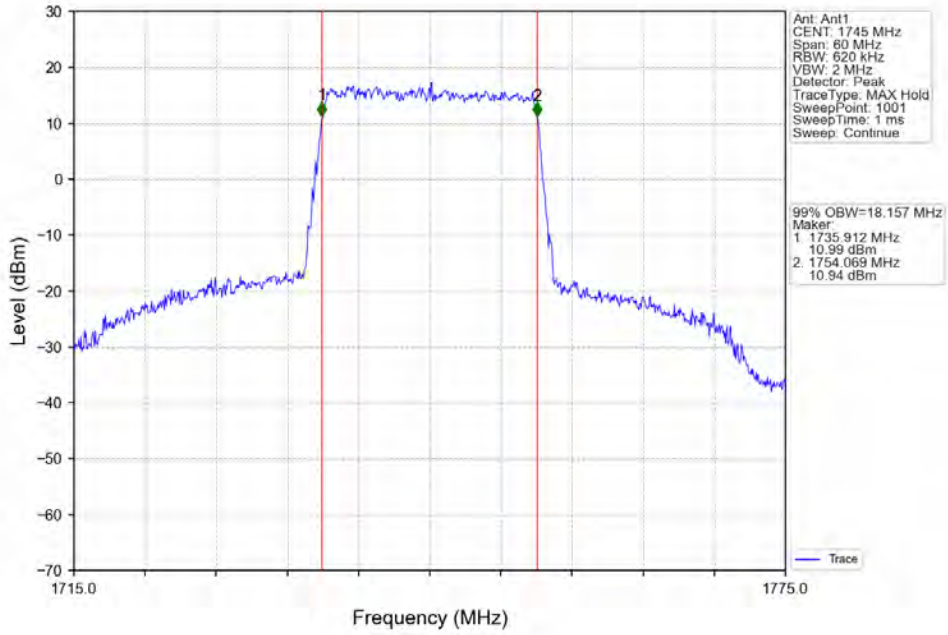
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



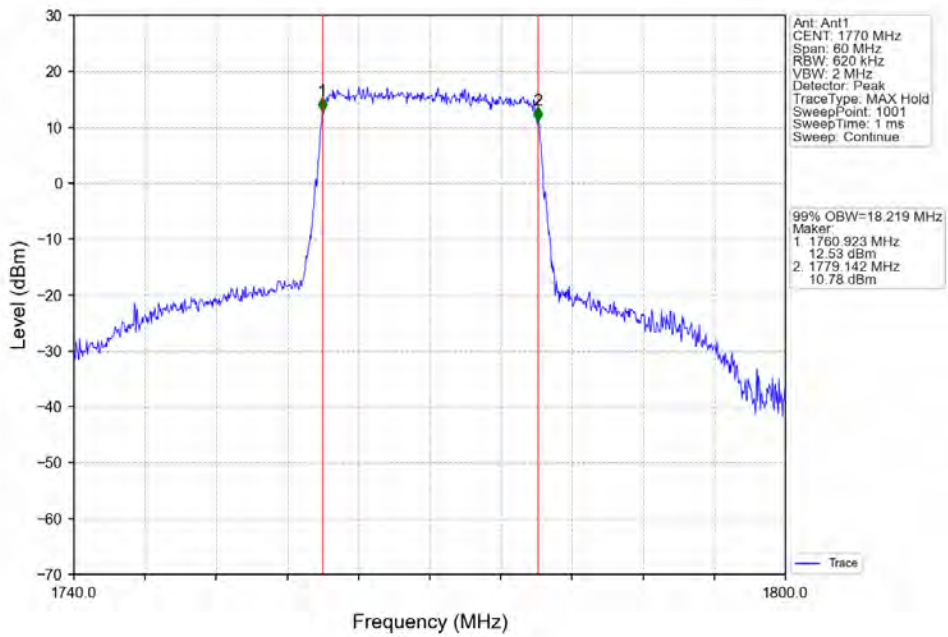
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV

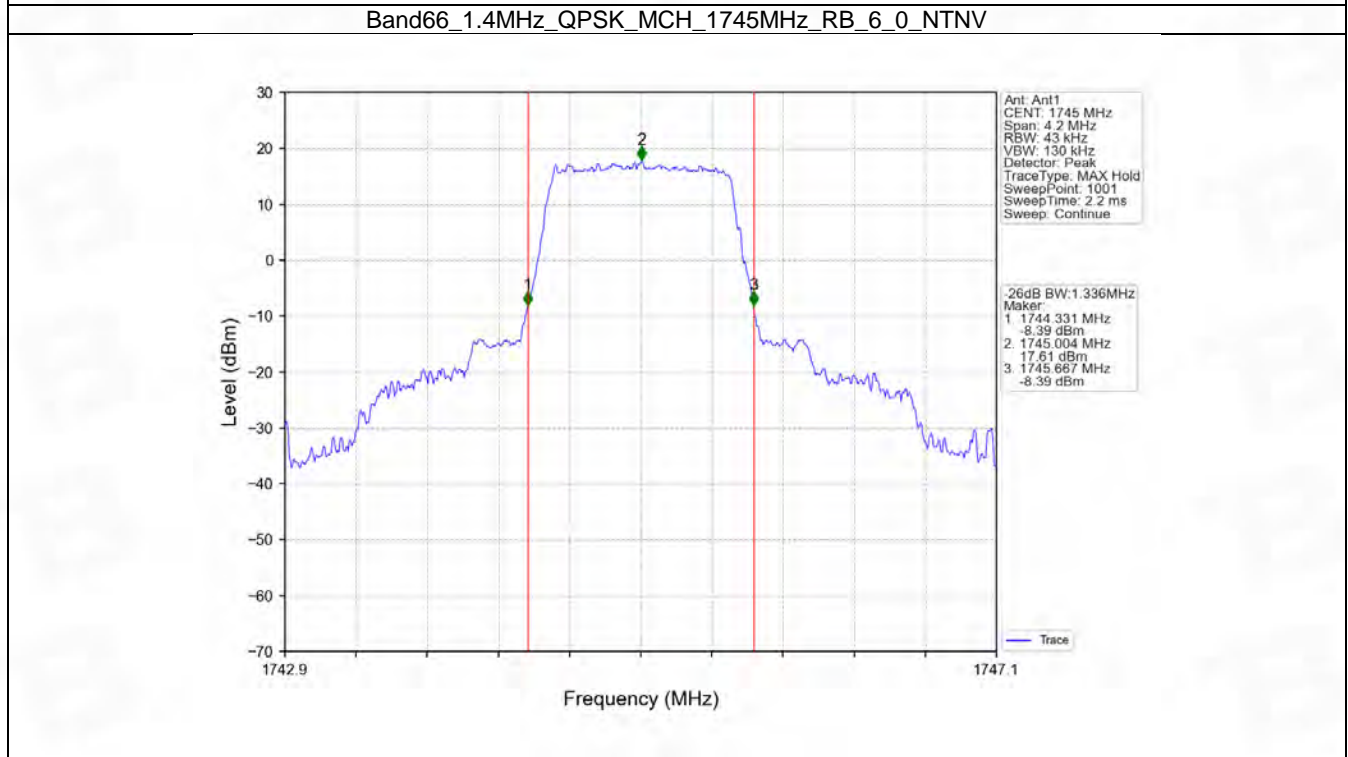
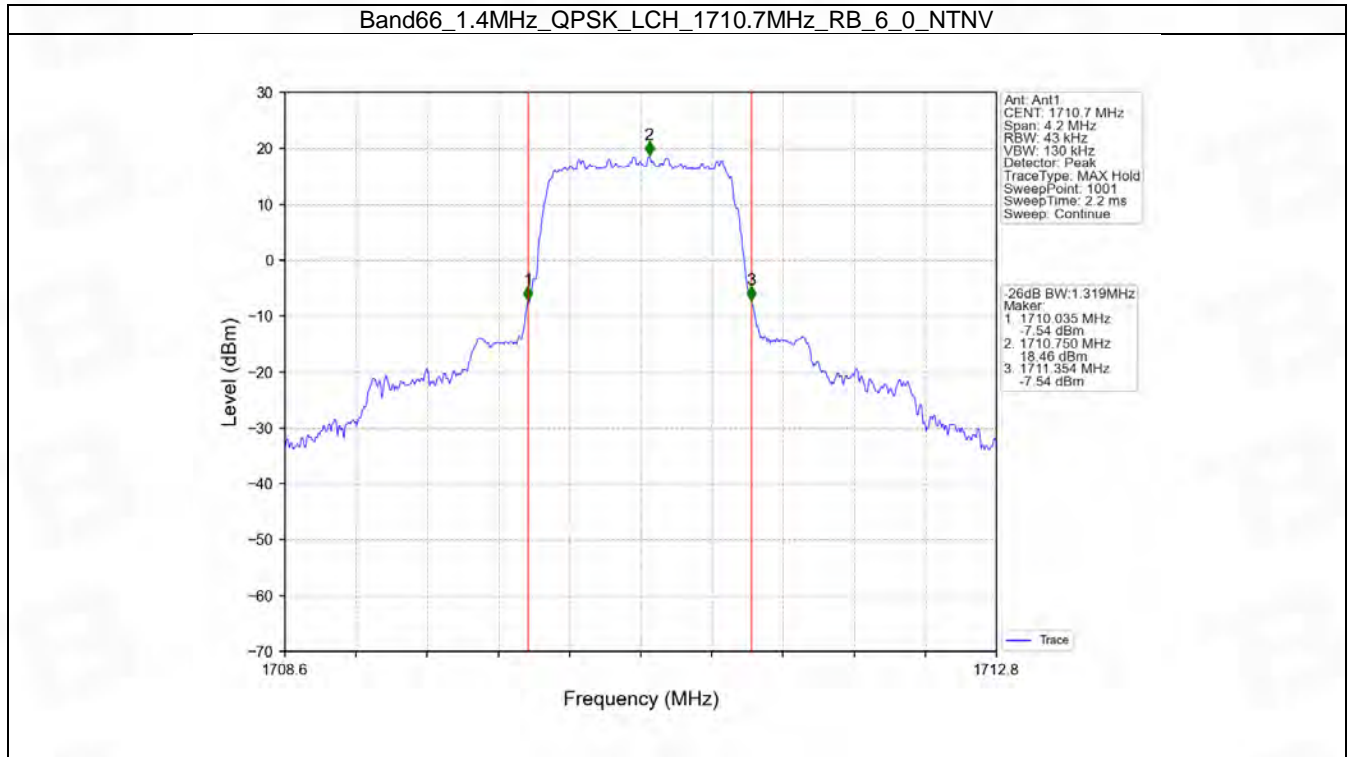


4.2 Band66_XDB

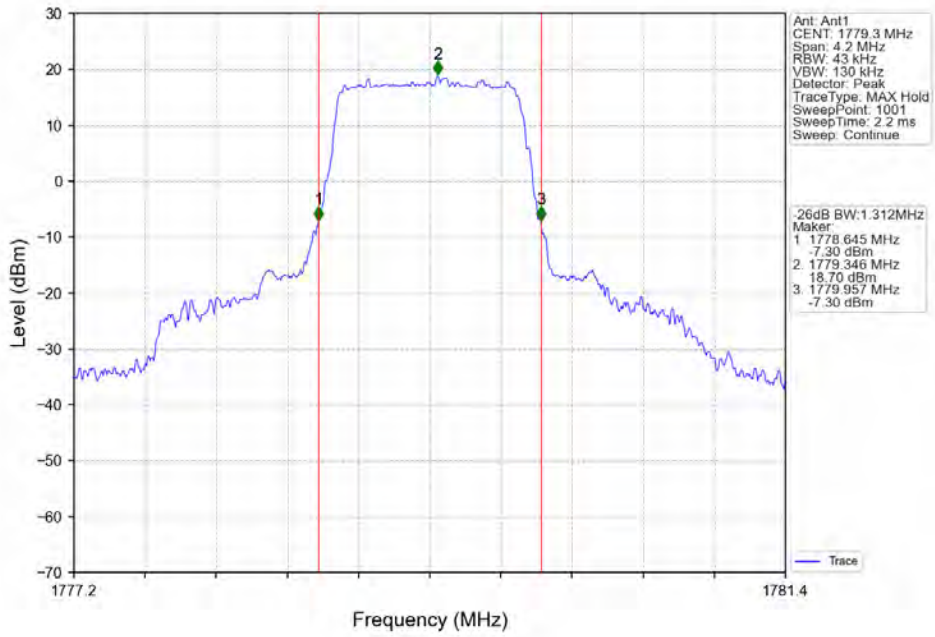
4.2.1 Test Result

Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.319	/	Pass
		1745	6	0	1.336	/	Pass
		1779.3	6	0	1.312	/	Pass
	16QAM	1710.7	6	0	1.330	/	Pass
		1745	6	0	1.324	/	Pass
		1779.3	6	0	1.331	/	Pass
3	QPSK	1711.5	15	0	2.991	/	Pass
		1745	15	0	2.989	/	Pass
		1778.5	15	0	3.013	/	Pass
	16QAM	1711.5	15	0	2.999	/	Pass
		1745	15	0	3.002	/	Pass
		1778.5	15	0	3.119	/	Pass
5	QPSK	1712.5	25	0	5.278	/	Pass
		1745	25	0	5.290	/	Pass
		1777.5	25	0	5.430	/	Pass
	16QAM	1712.5	25	0	5.284	/	Pass
		1745	25	0	5.247	/	Pass
		1777.5	25	0	5.364	/	Pass
10	QPSK	1715	50	0	10.279	/	Pass
		1745	50	0	10.200	/	Pass
		1775	50	0	10.385	/	Pass
	16QAM	1715	50	0	10.235	/	Pass
		1745	50	0	10.152	/	Pass
		1775	50	0	10.555	/	Pass
15	QPSK	1717.5	75	0	15.334	/	Pass
		1745	75	0	15.161	/	Pass
		1772.5	75	0	15.393	/	Pass
	16QAM	1717.5	75	0	15.447	/	Pass
		1745	75	0	15.303	/	Pass
		1772.5	75	0	15.306	/	Pass
20	QPSK	1720	100	0	20.334	/	Pass
		1745	100	0	20.102	/	Pass
		1770	100	0	20.140	/	Pass
	16QAM	1720	100	0	20.080	/	Pass
		1745	100	0	20.238	/	Pass
		1770	100	0	20.074	/	Pass

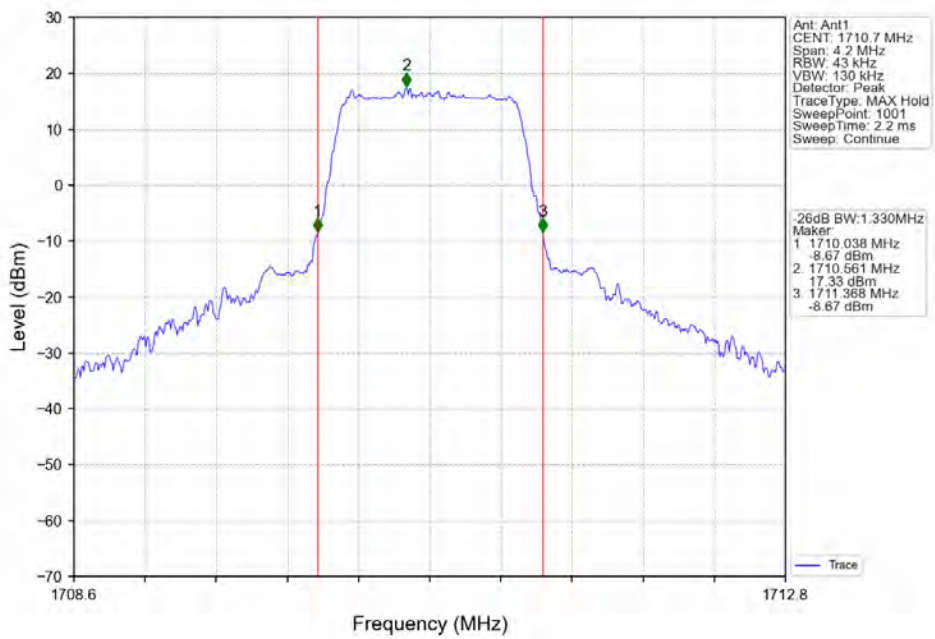
4.2.2 Test Graph



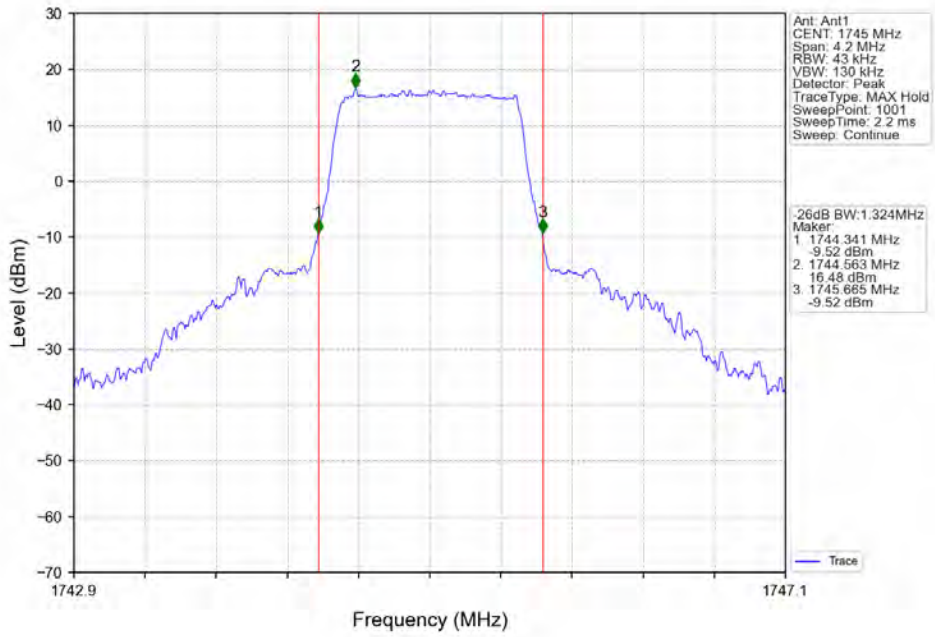
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



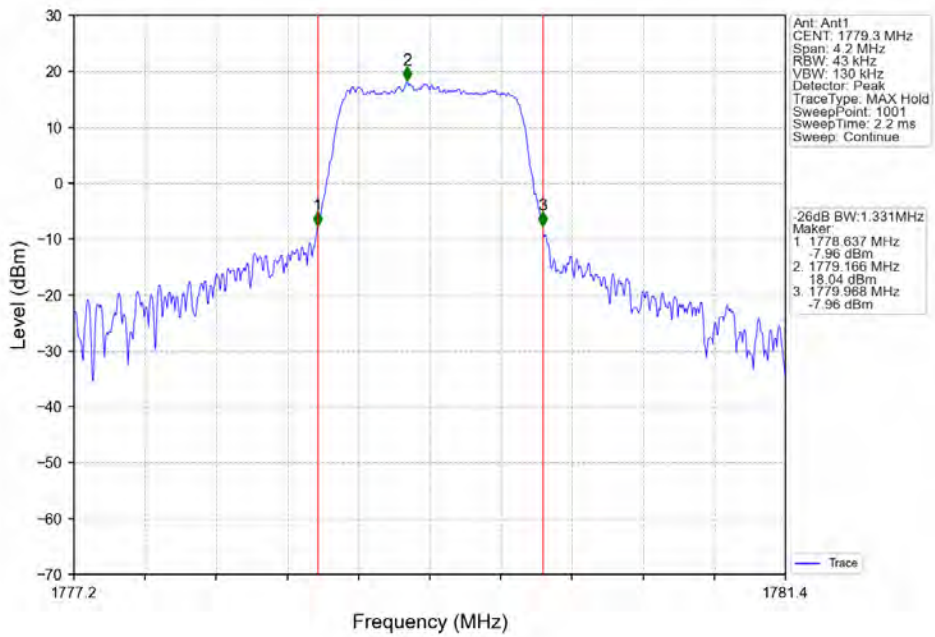
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



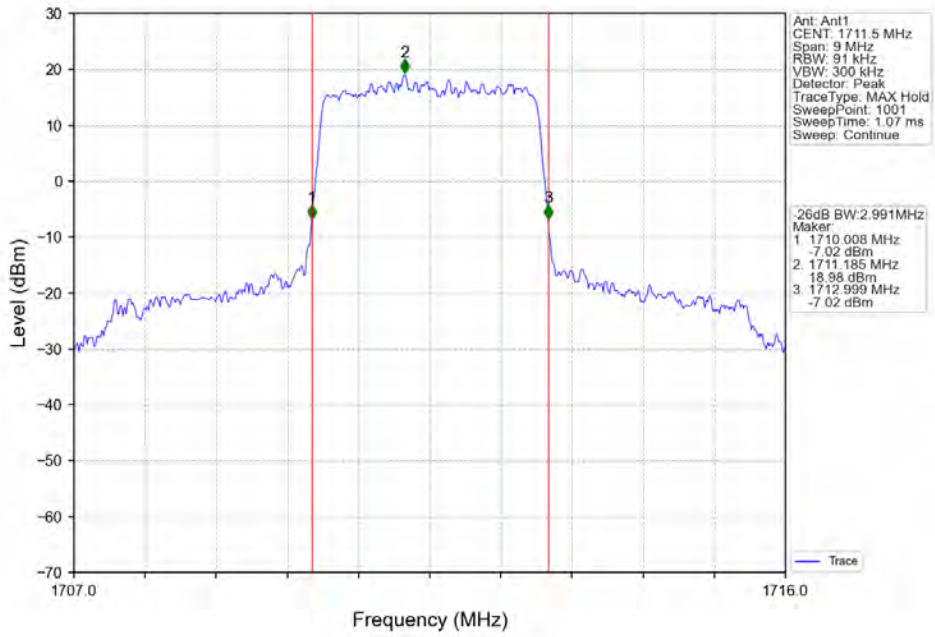
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



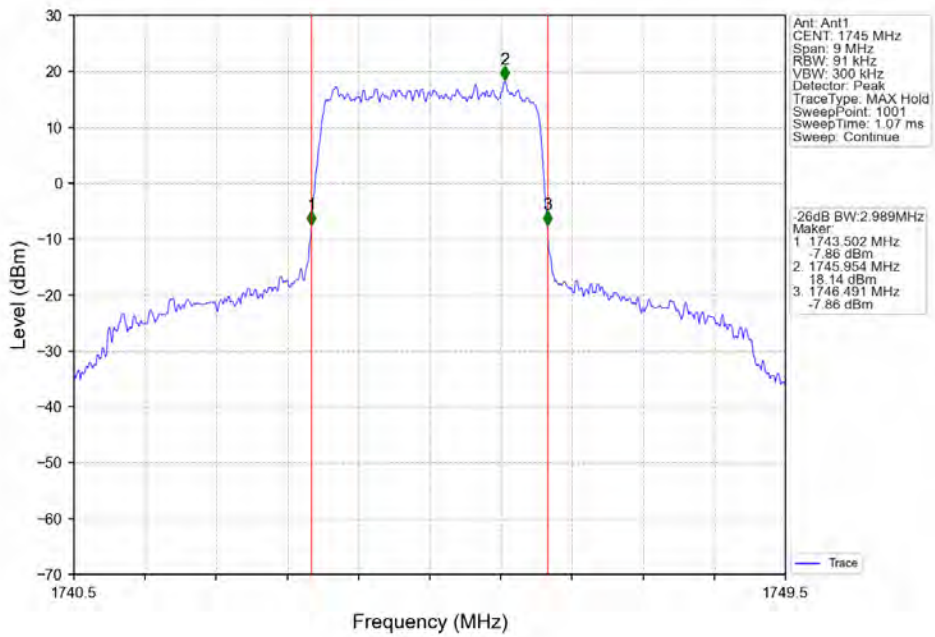
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



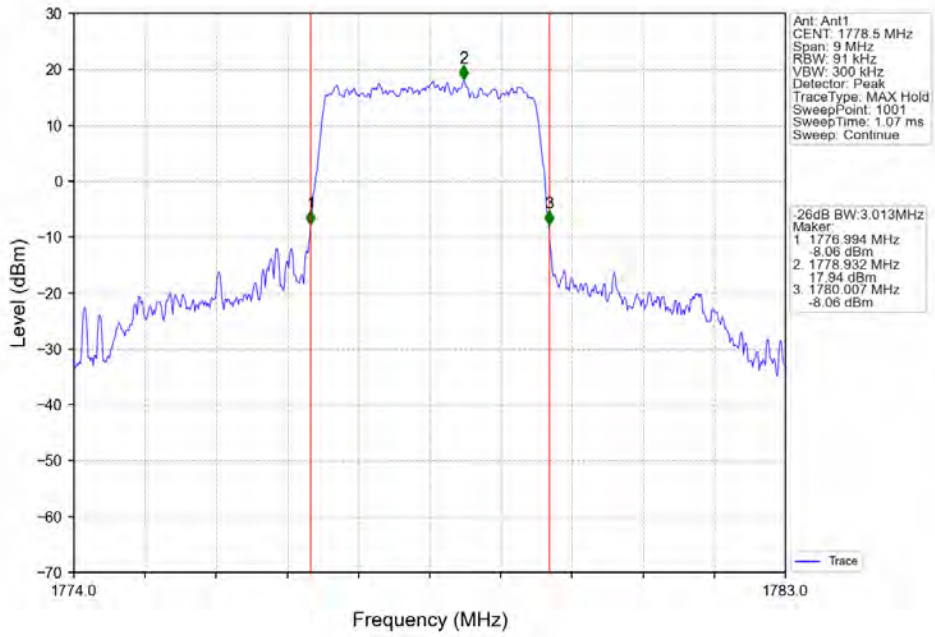
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



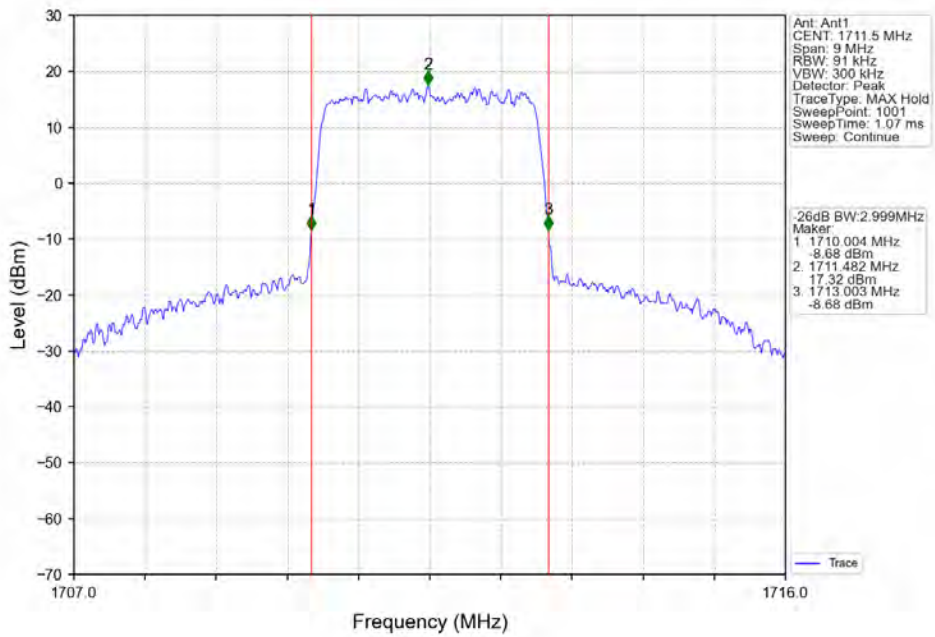
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



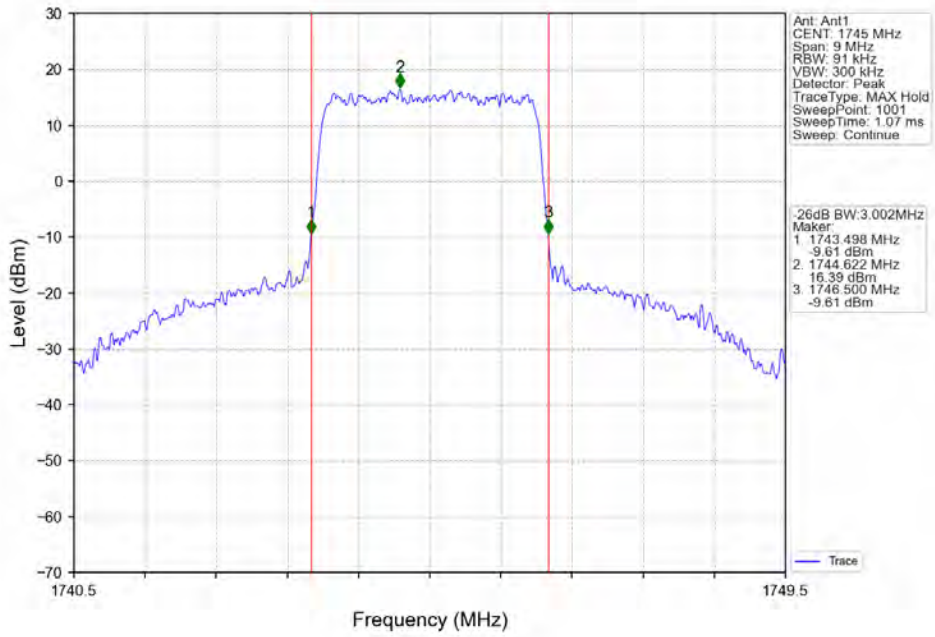
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



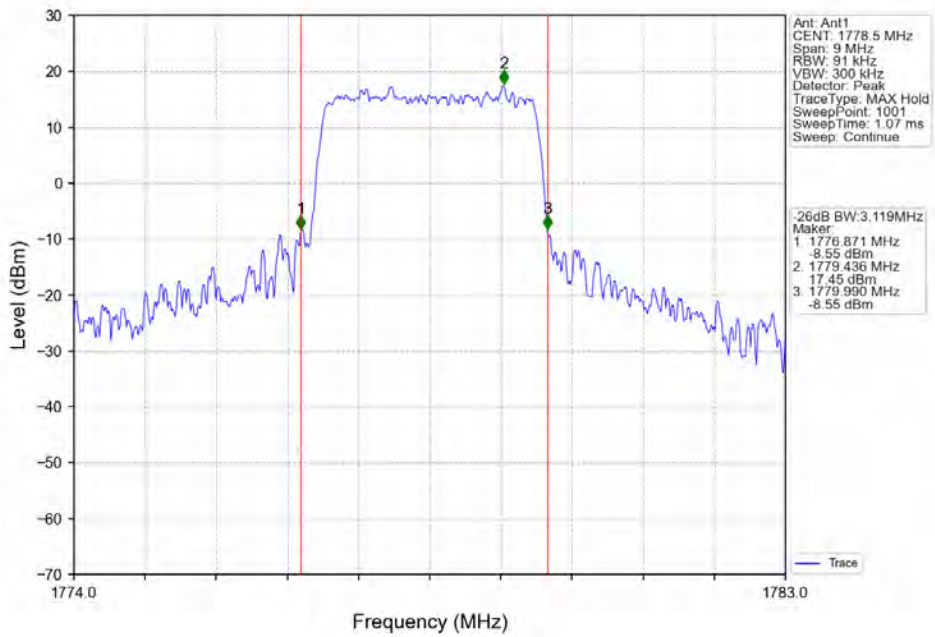
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



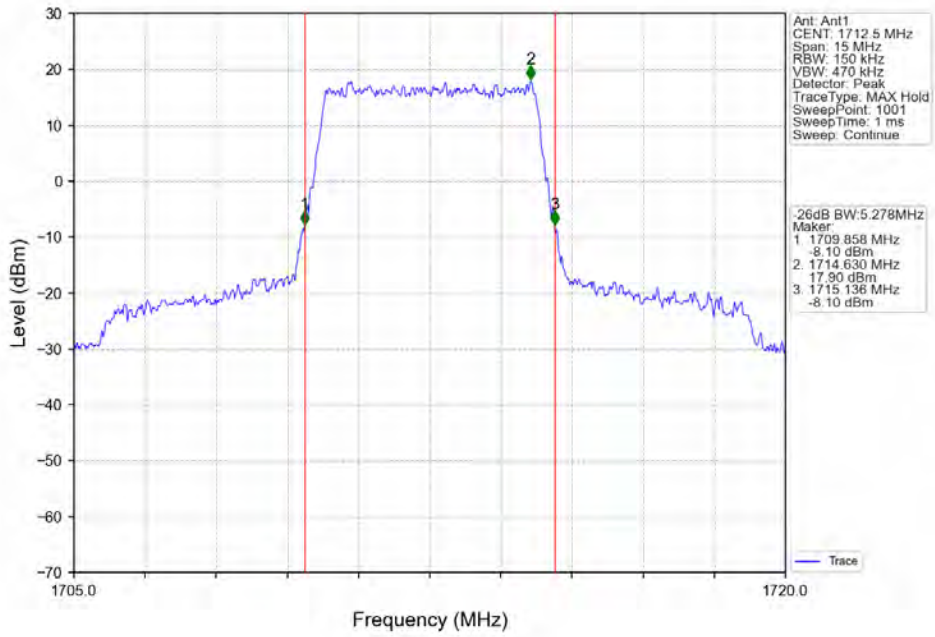
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



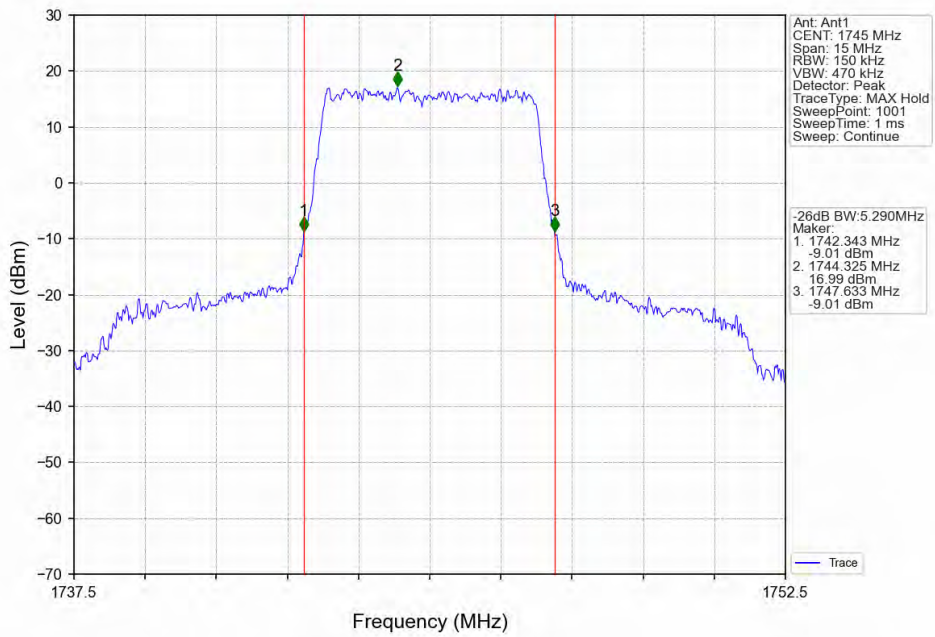
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



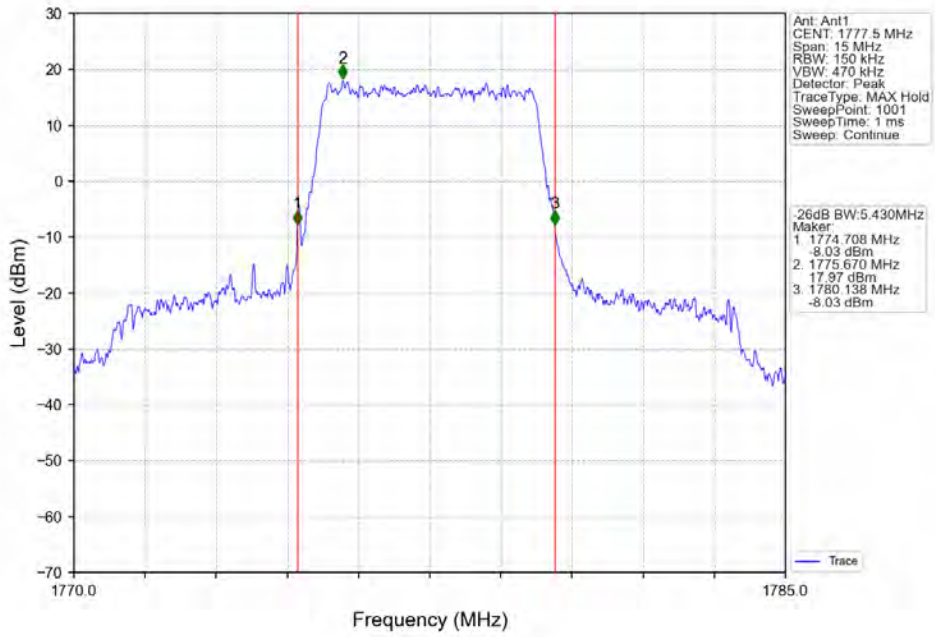
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



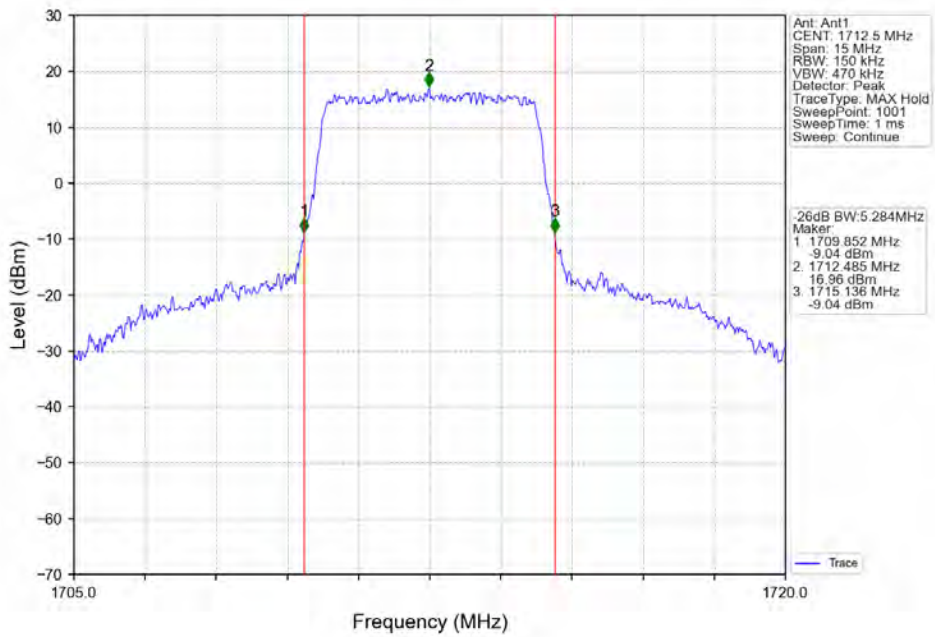
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



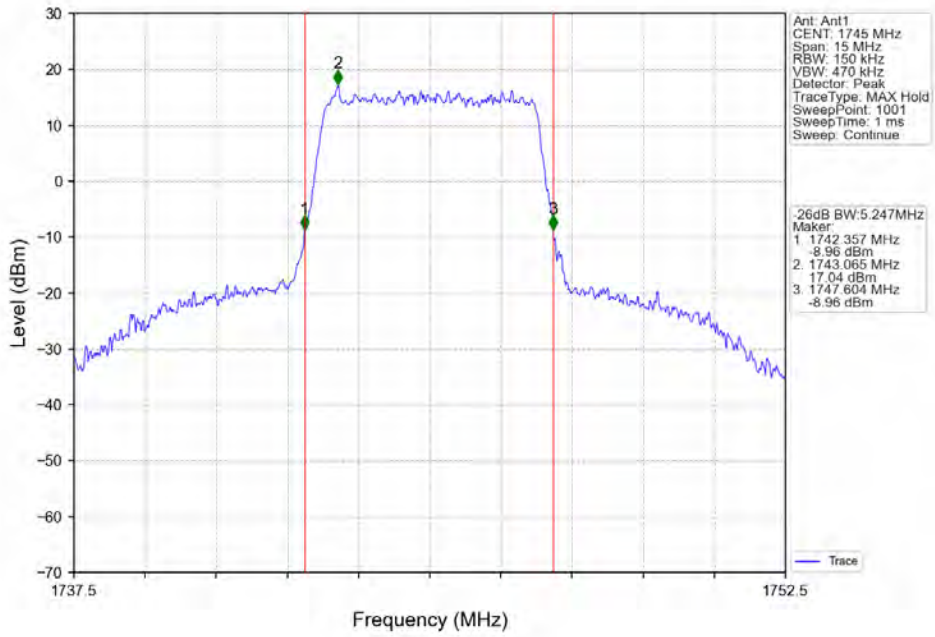
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



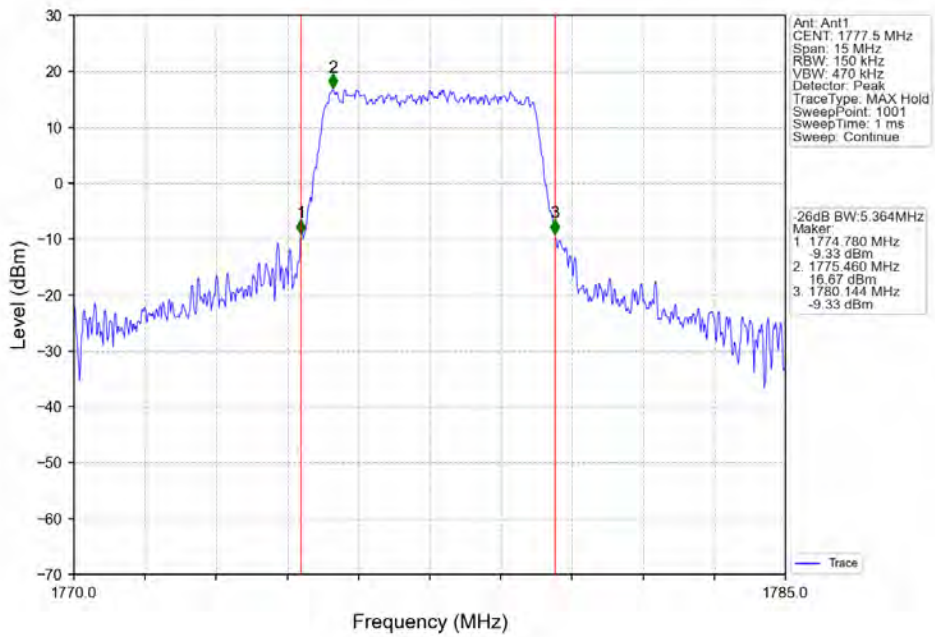
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



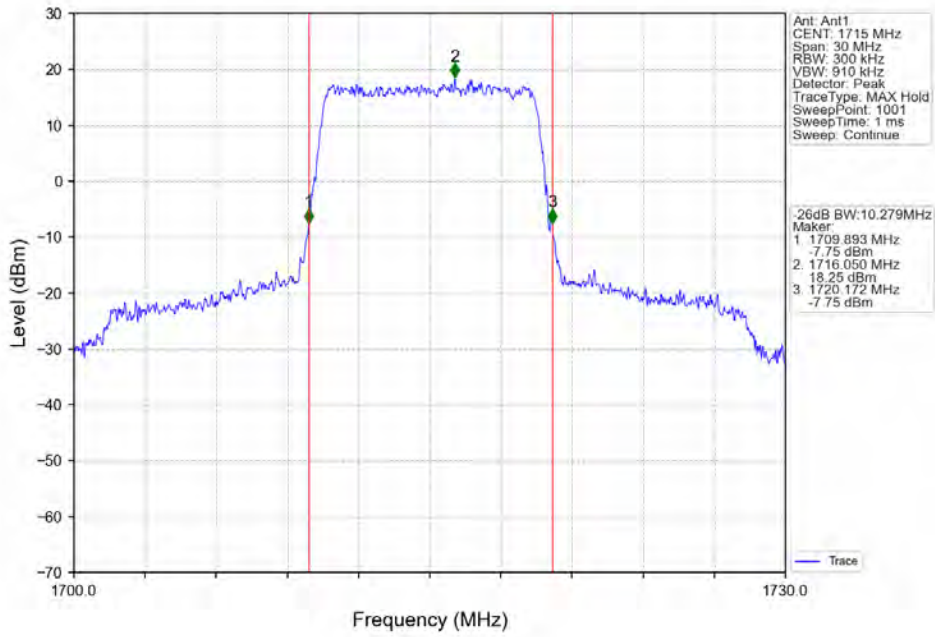
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



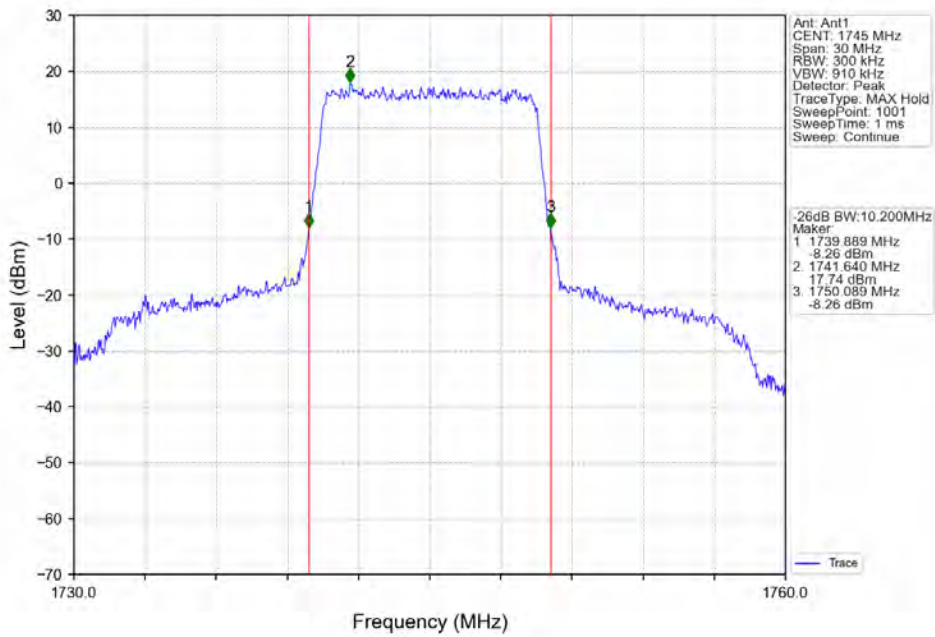
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



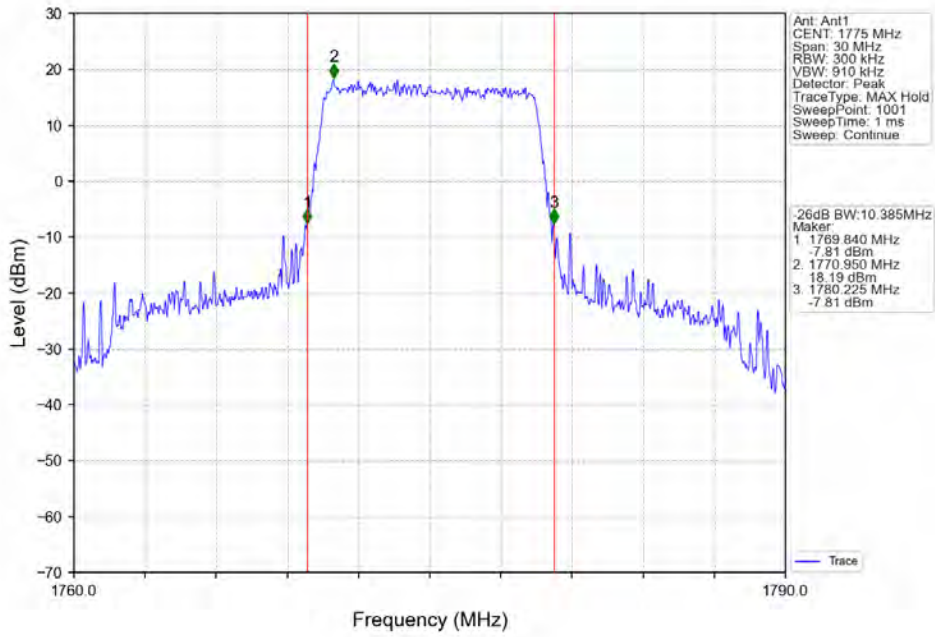
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



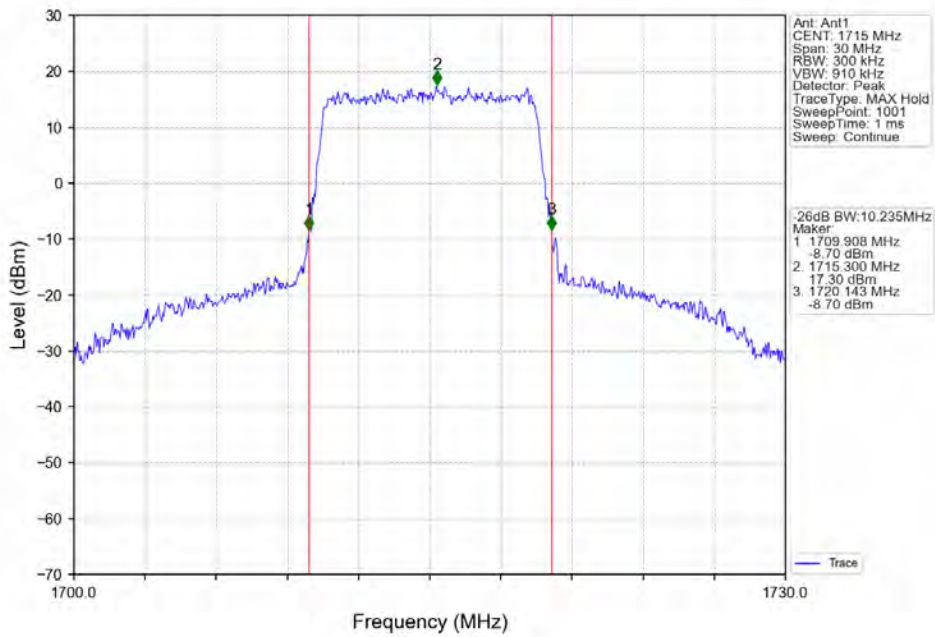
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



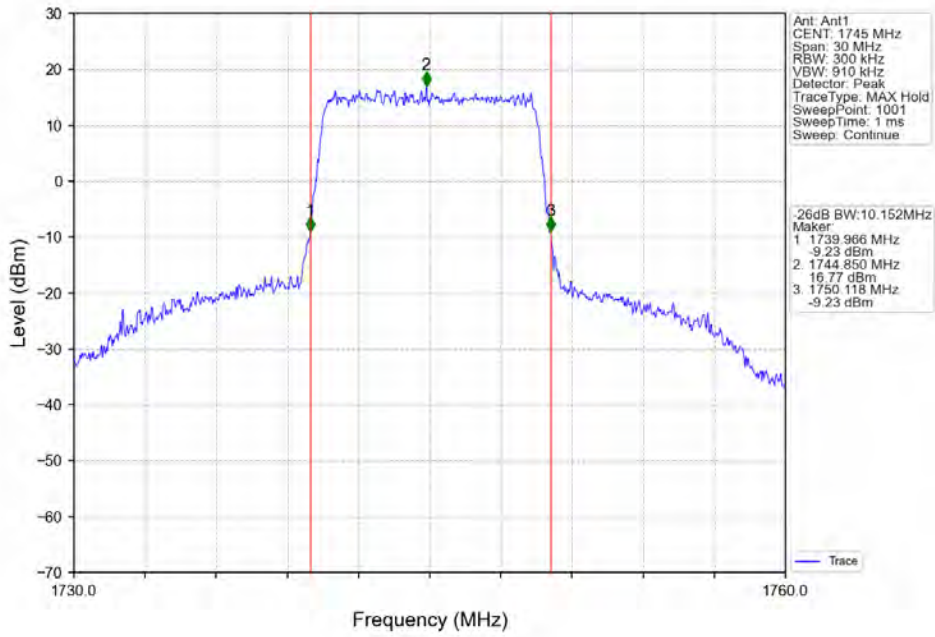
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



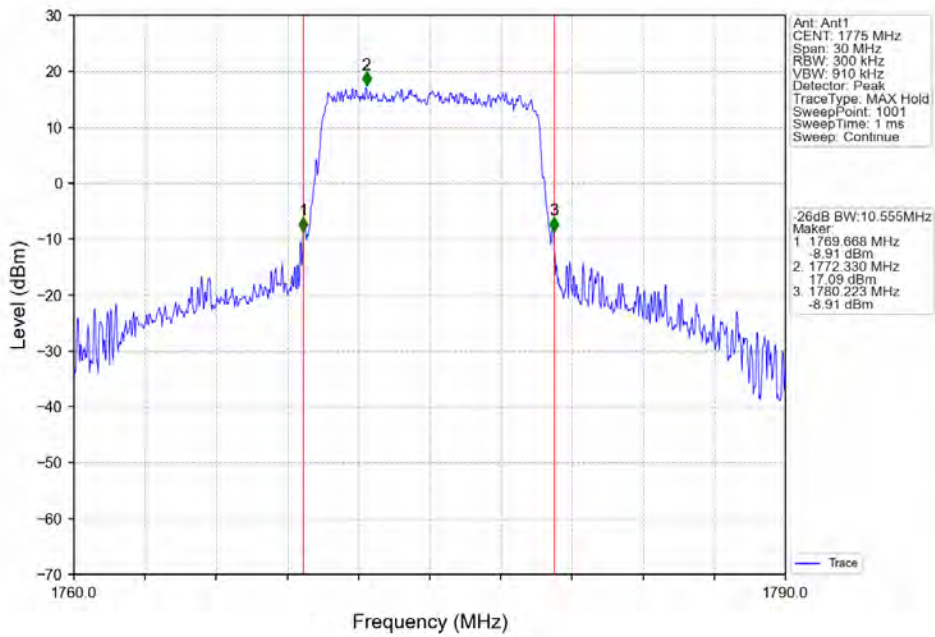
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



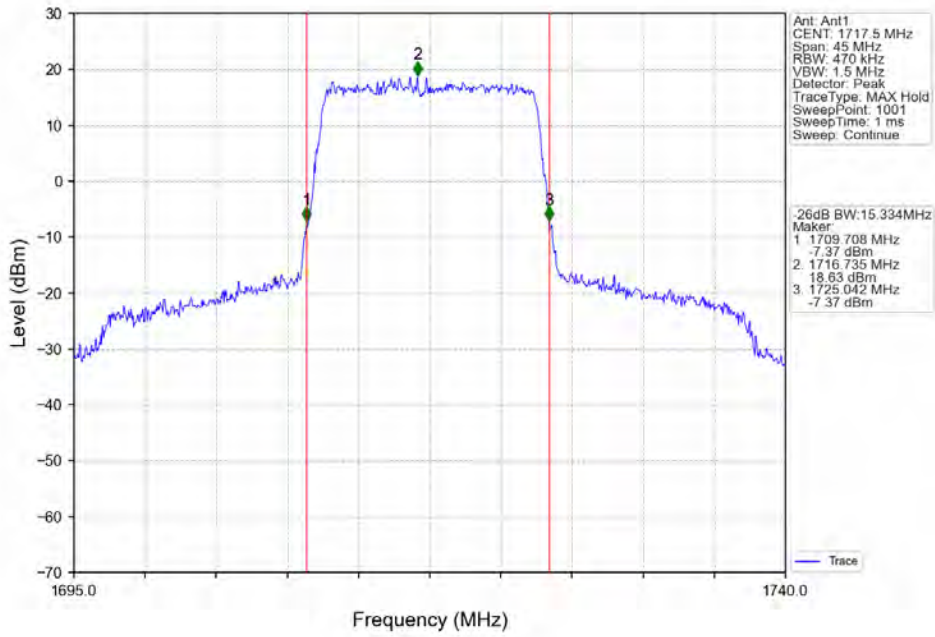
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



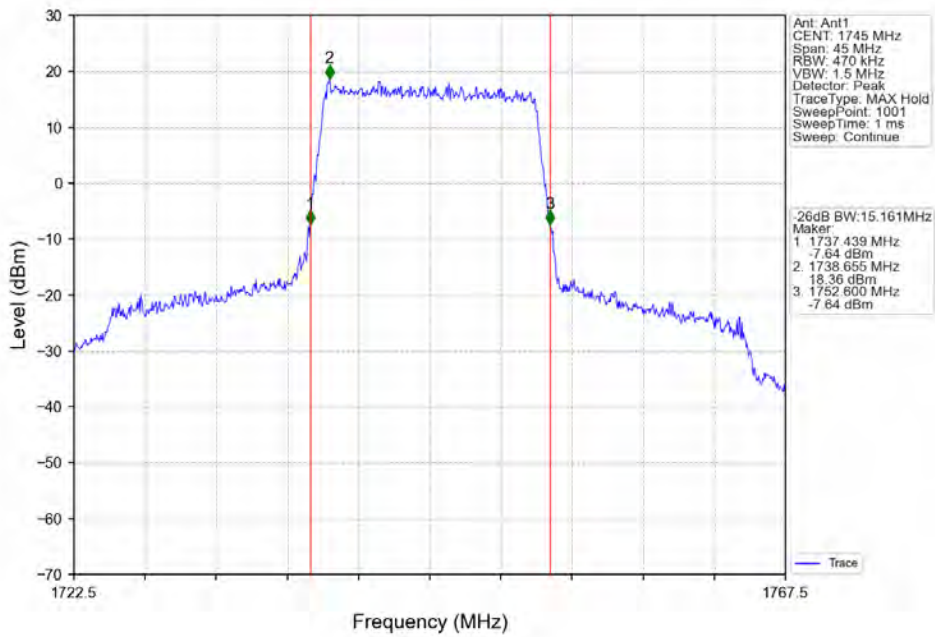
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



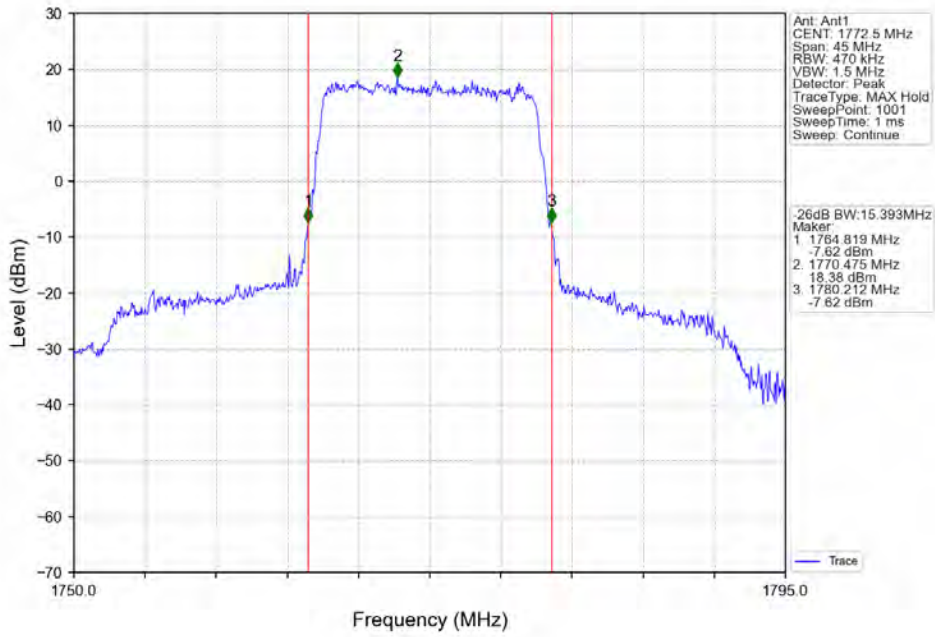
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



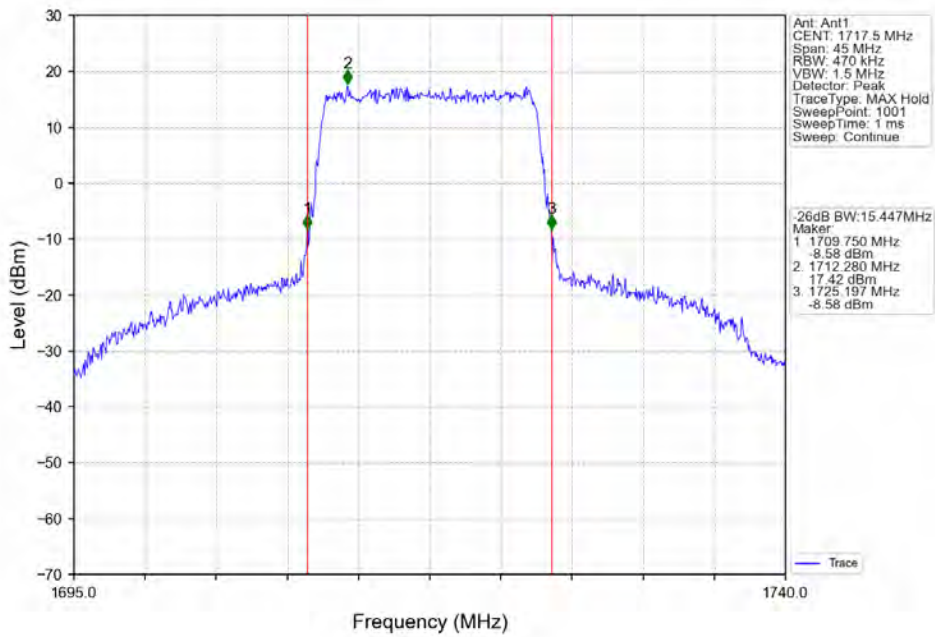
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



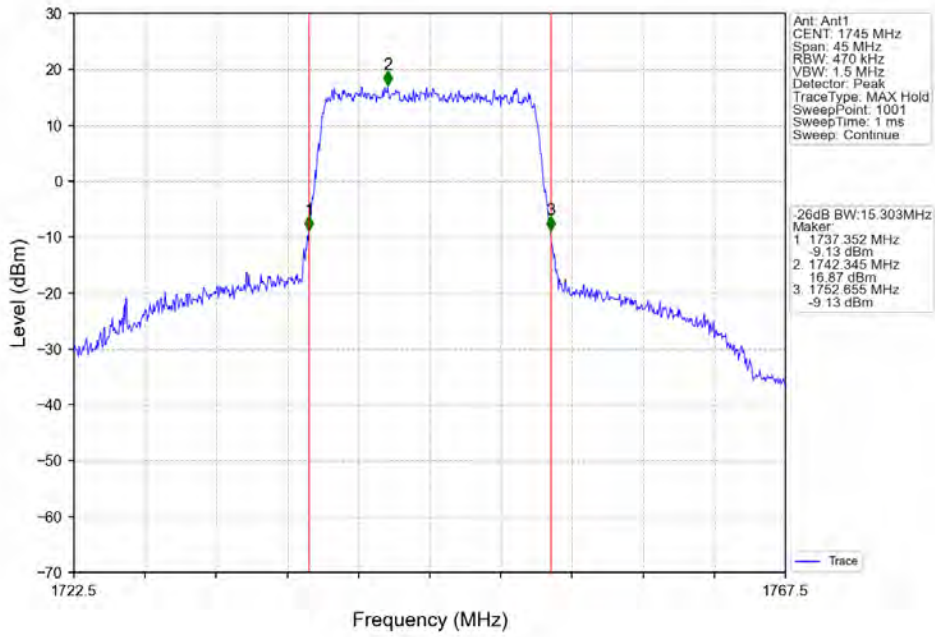
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



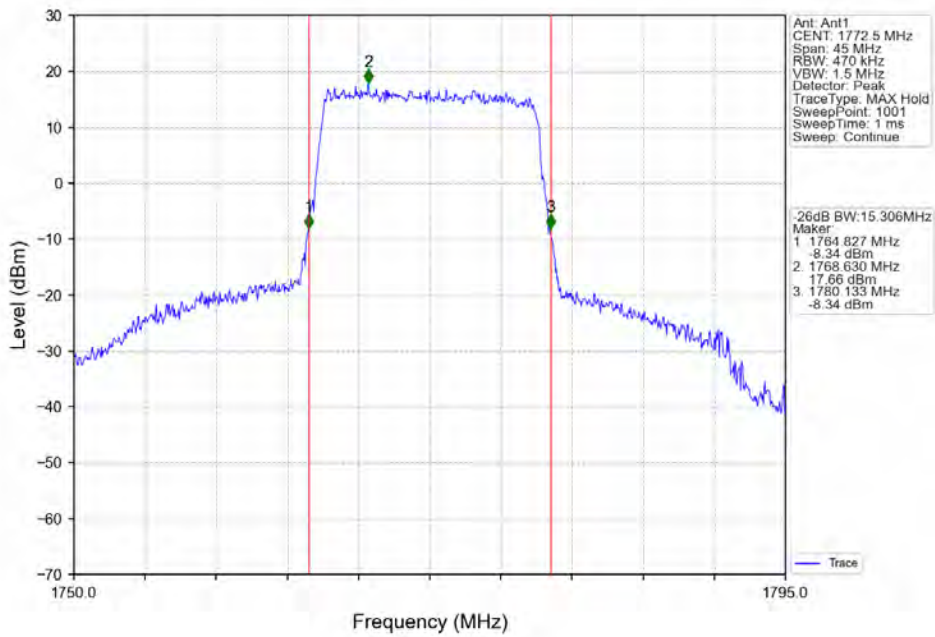
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



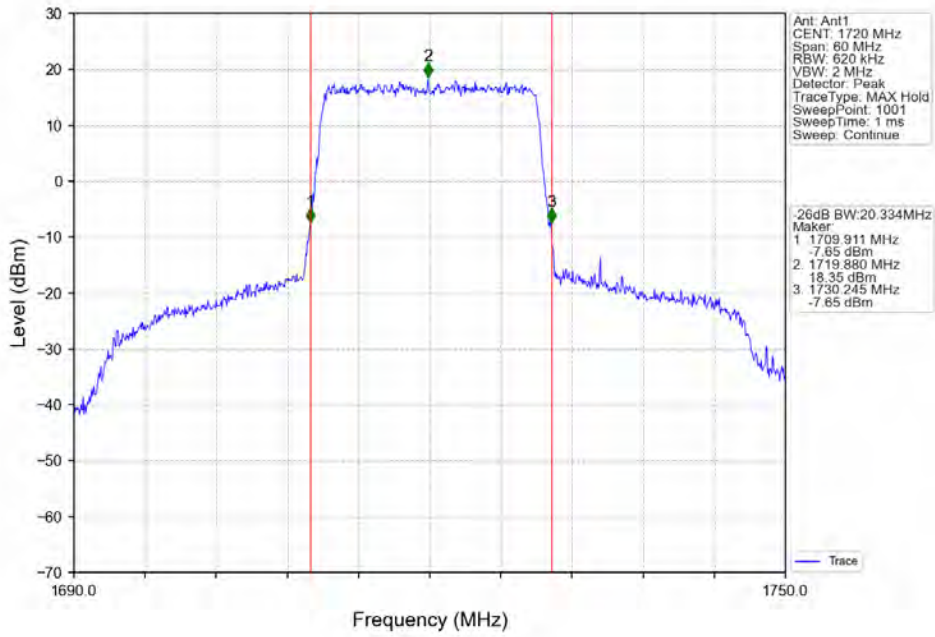
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



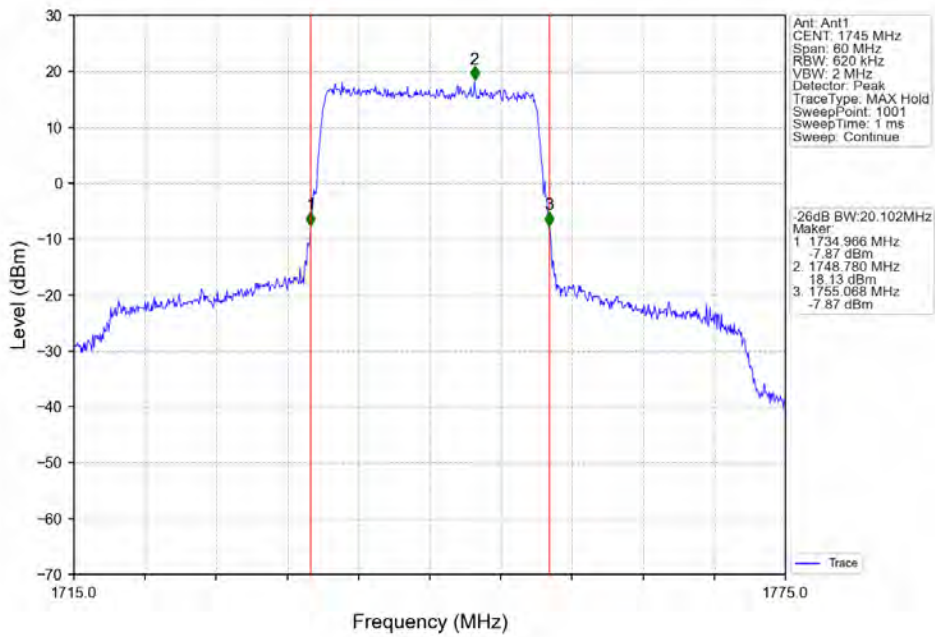
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



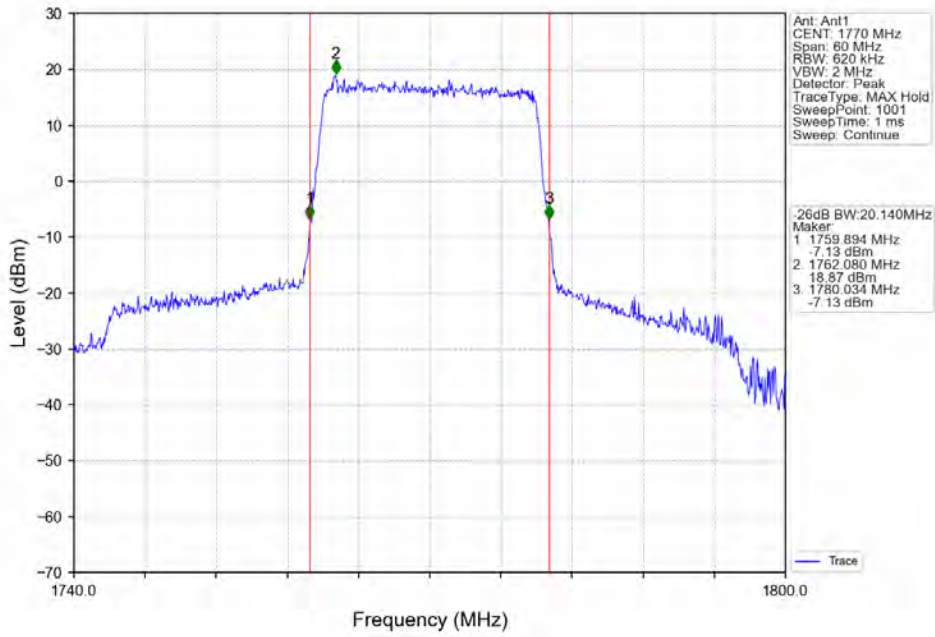
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



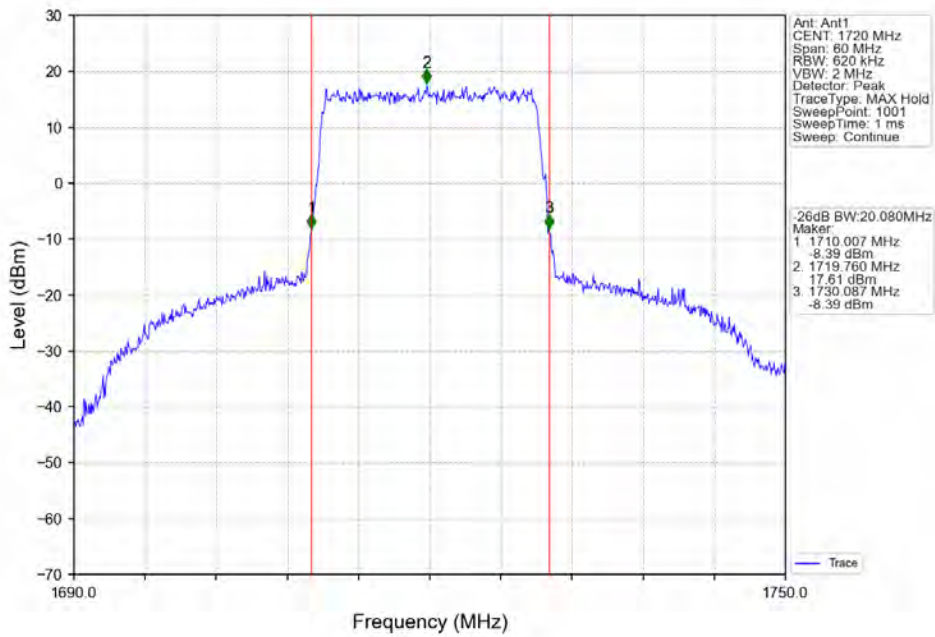
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



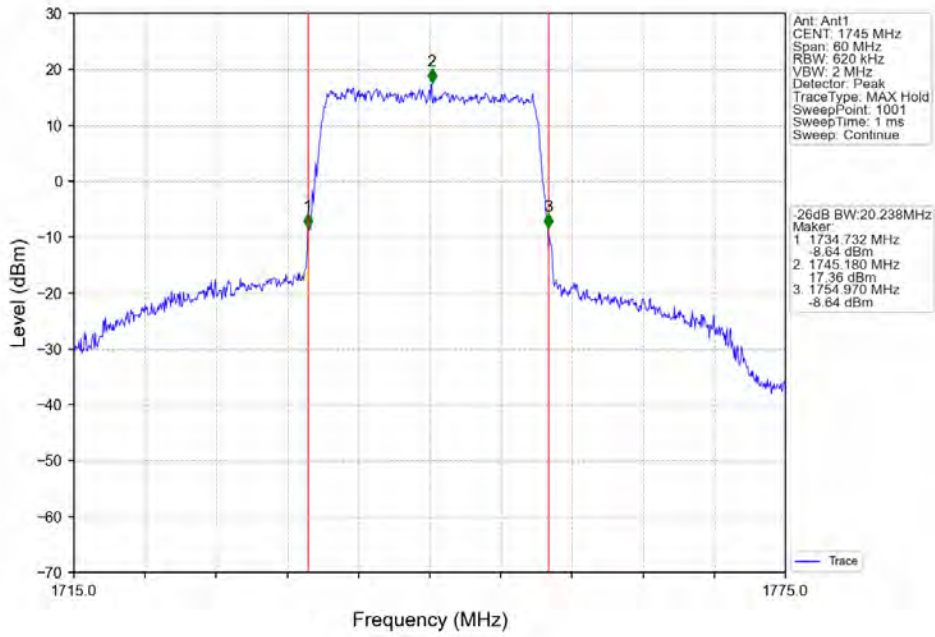
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



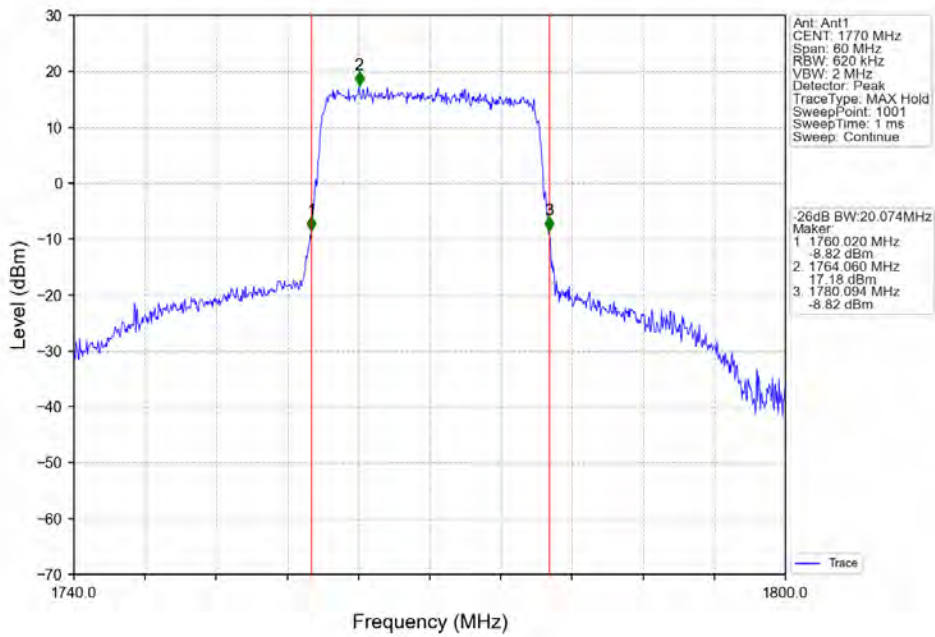
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



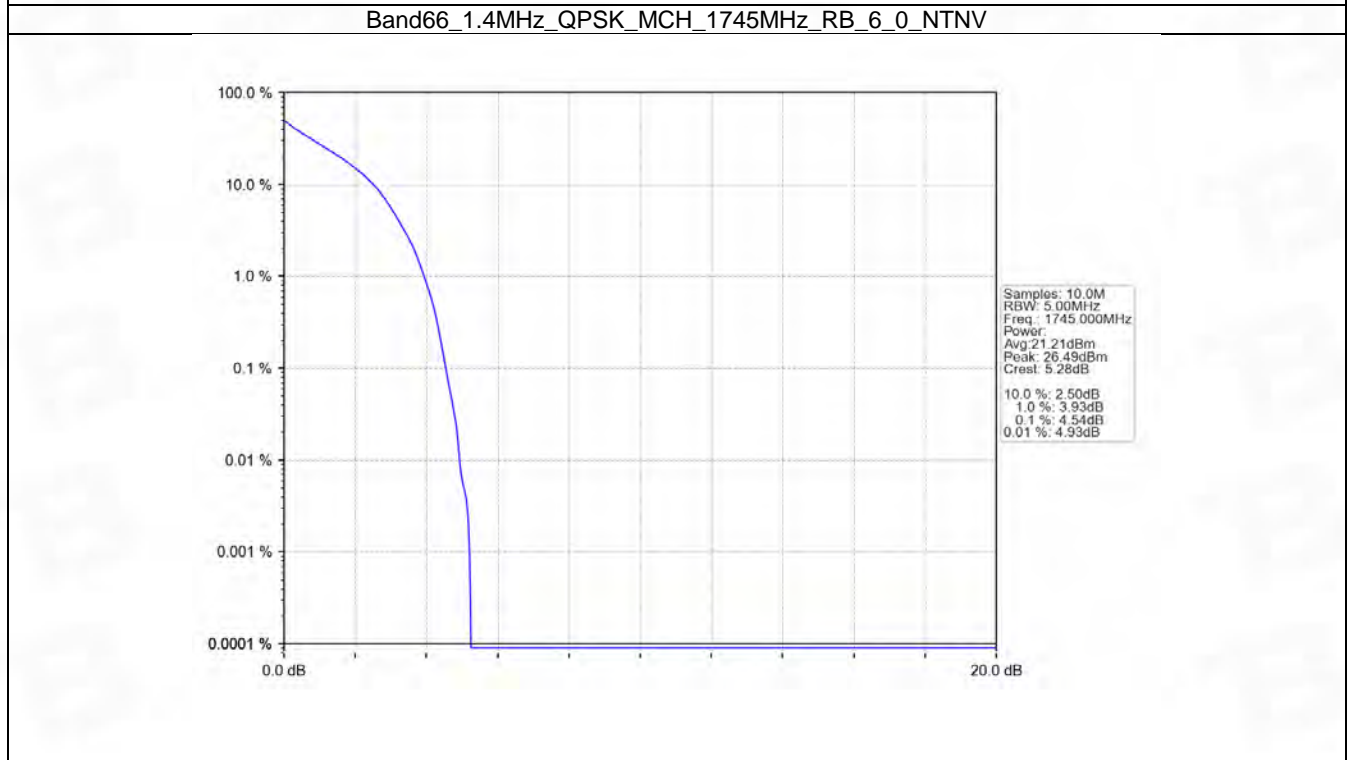
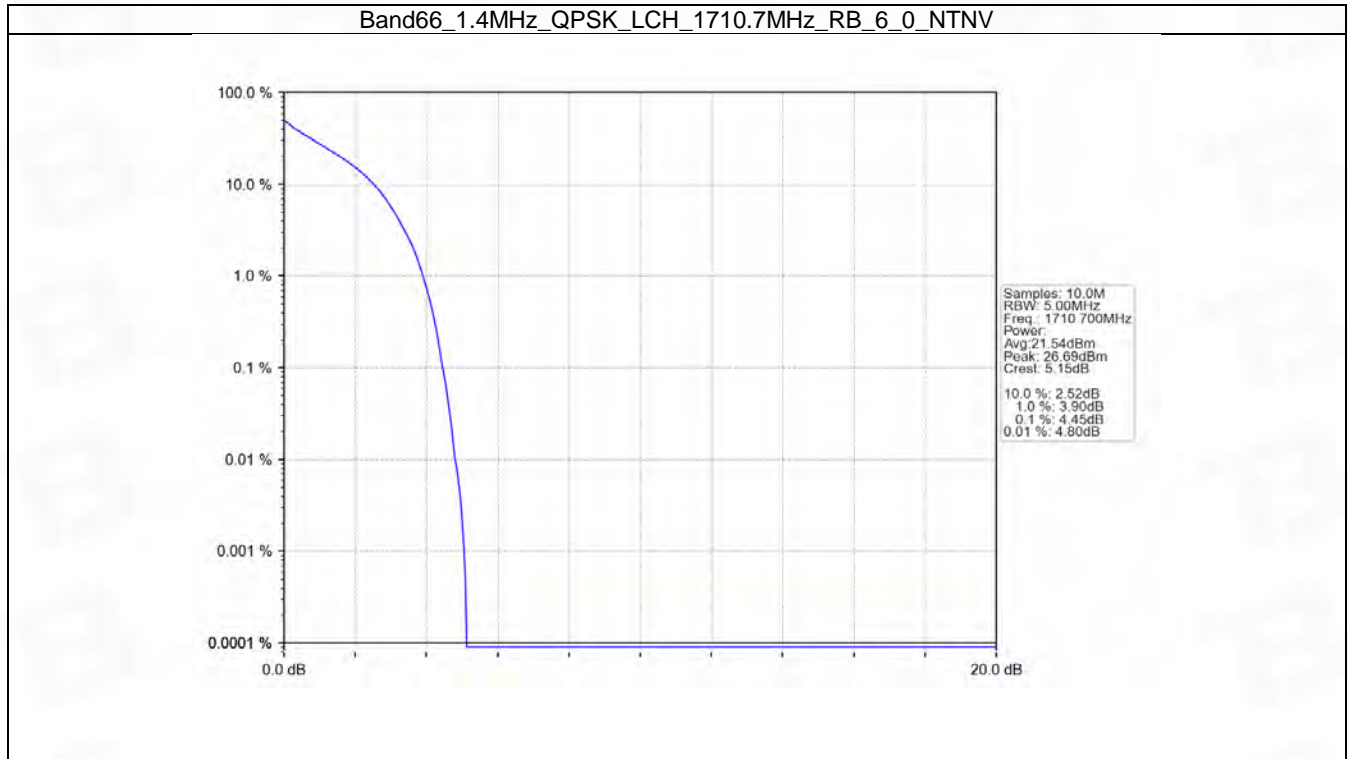
5. Peak-Average Ratio

5.1 B66_1.4MHz

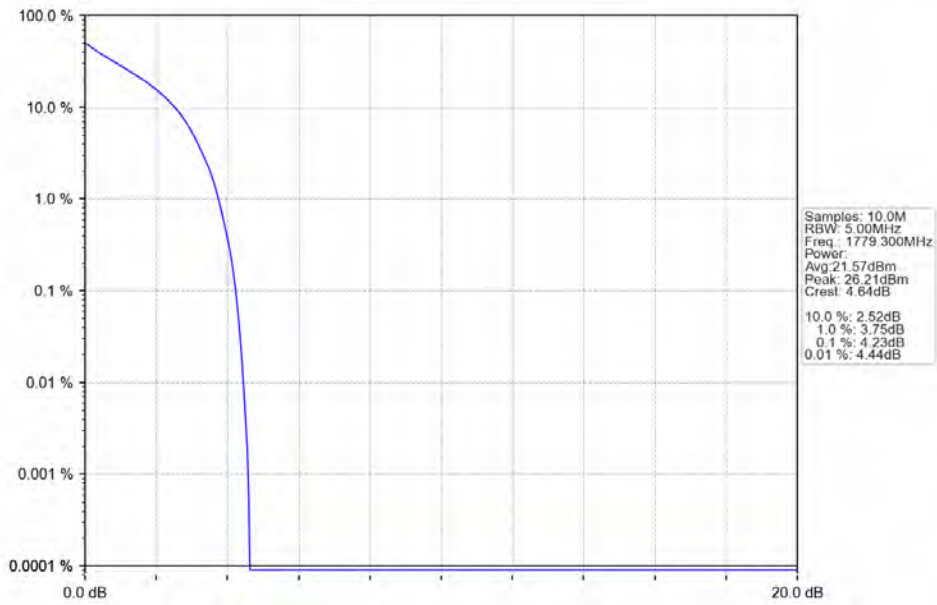
5.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.45	<=13	Pass
	1745	6	0	4.54	<=13	Pass
	1779.3	6	0	4.23	<=13	Pass
16QAM	1710.7	6	0	5.23	<=13	Pass
	1745	6	0	5.38	<=13	Pass
	1779.3	6	0	5.05	<=13	Pass

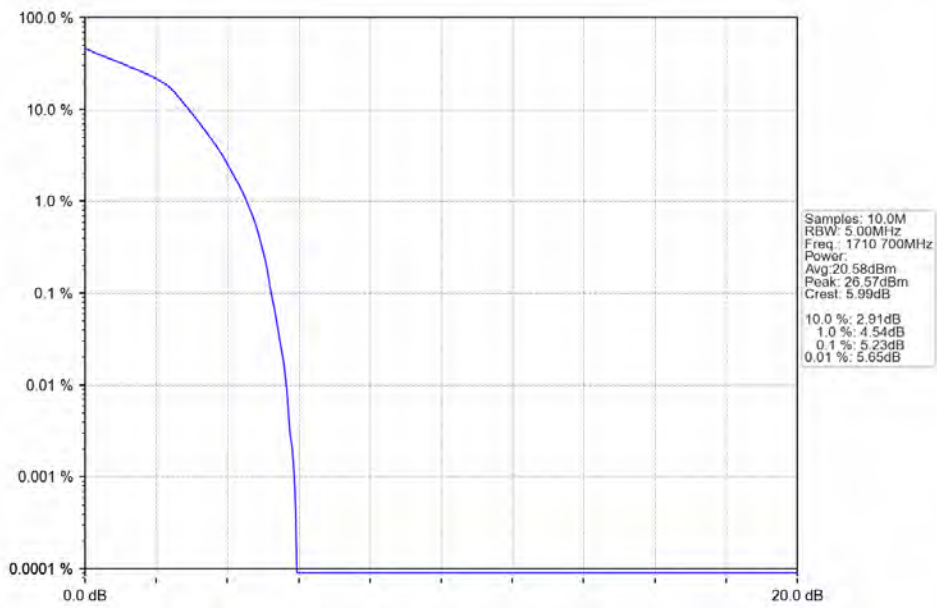
5.1.2 Test Graph



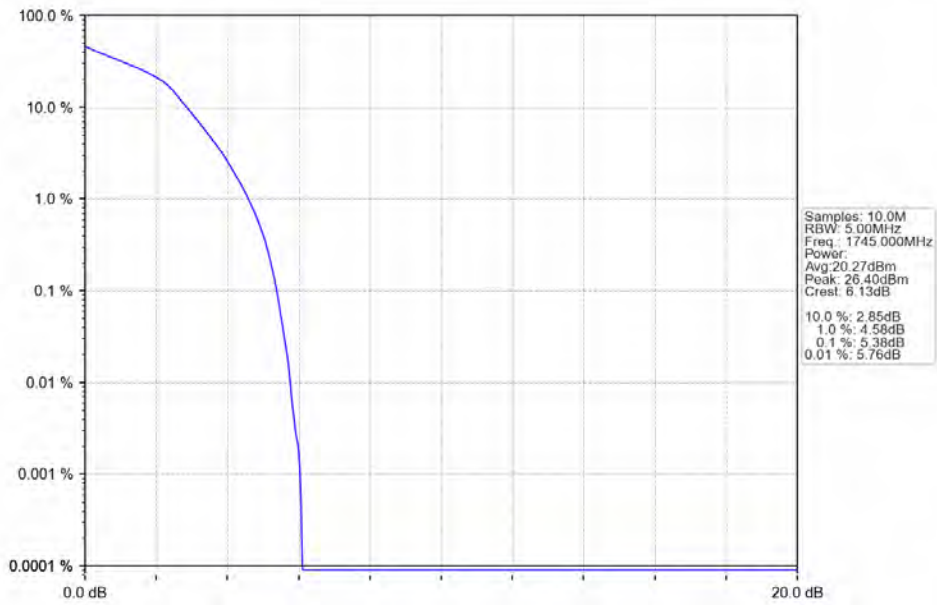
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



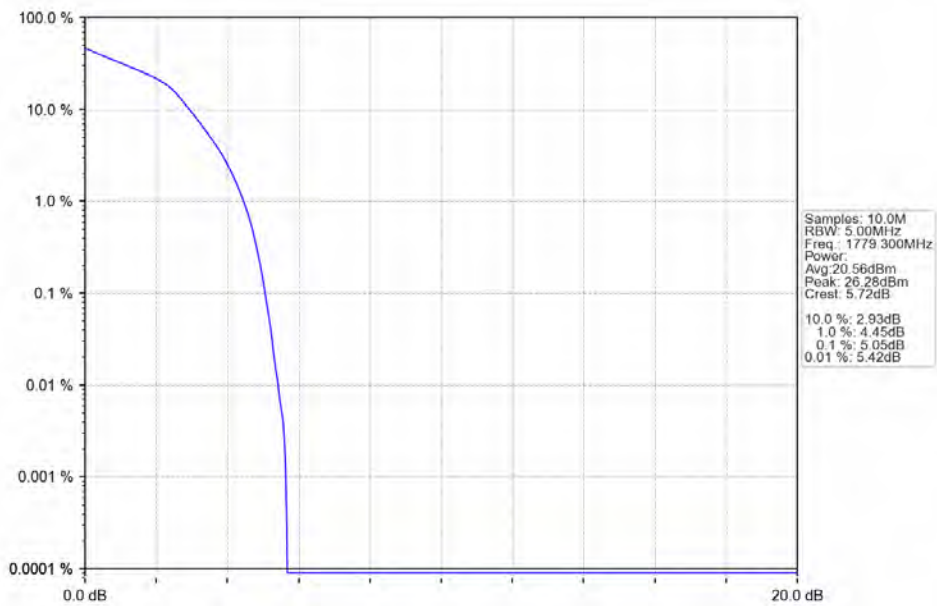
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV

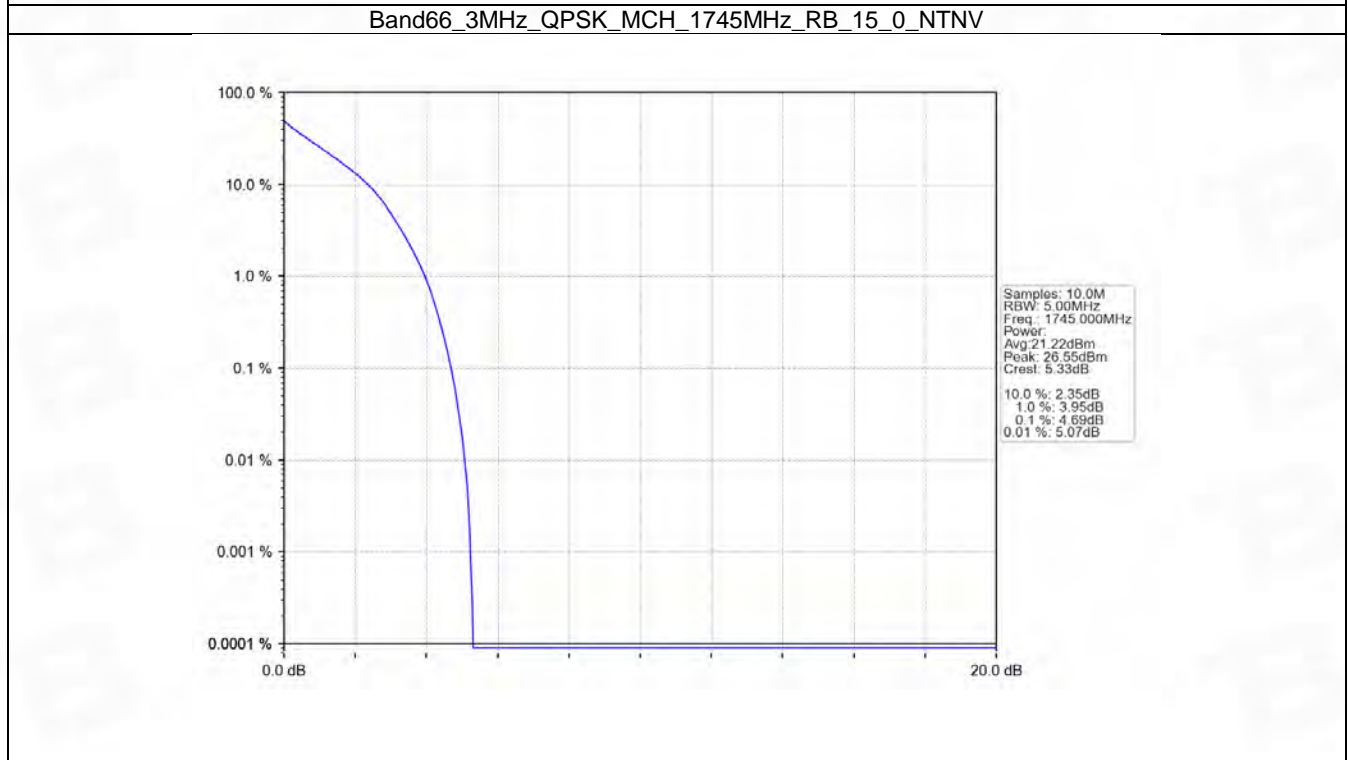
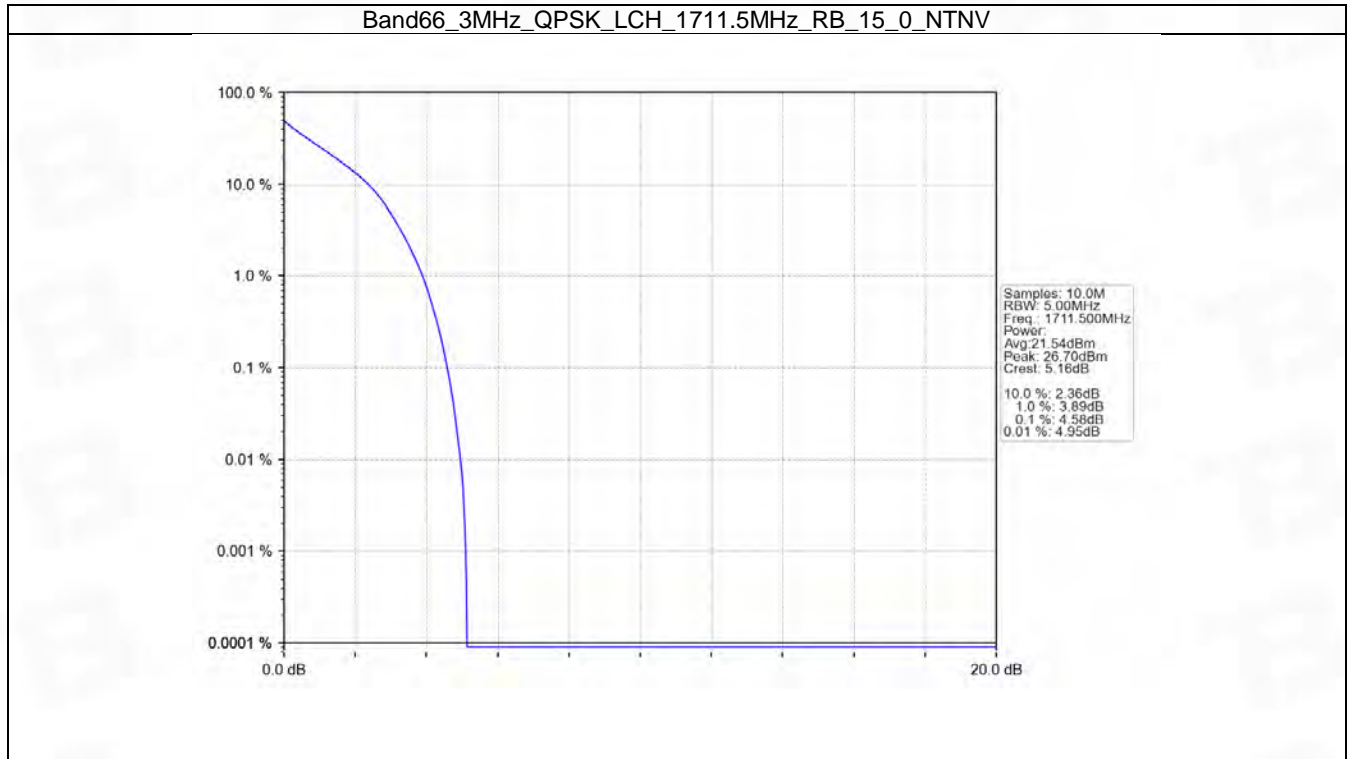


5.2 B66_3MHz

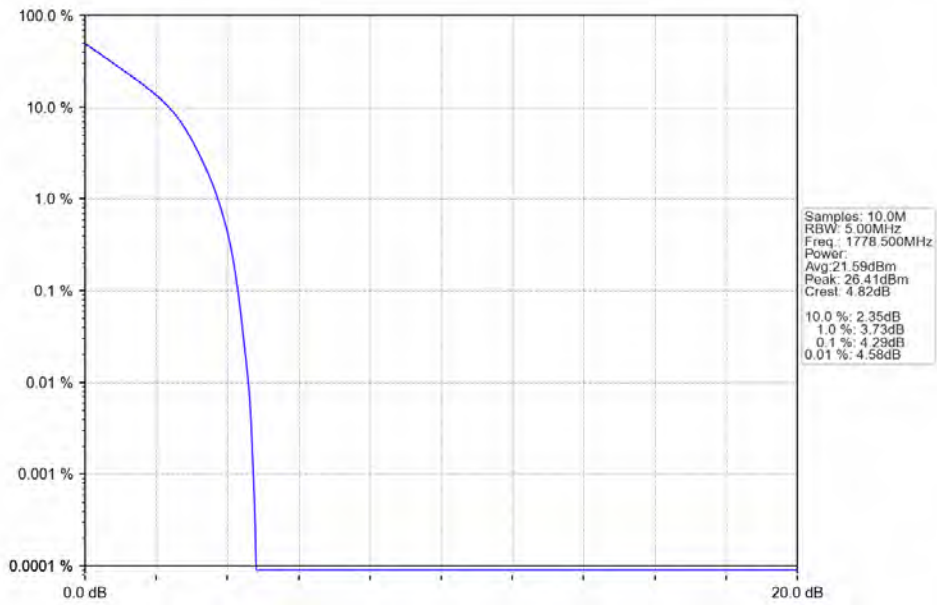
5.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.58	<=13	Pass
	1745	15	0	4.69	<=13	Pass
	1778.5	15	0	4.29	<=13	Pass
16QAM	1711.5	15	0	5.40	<=13	Pass
	1745	15	0	5.52	<=13	Pass
	1778.5	15	0	5.12	<=13	Pass

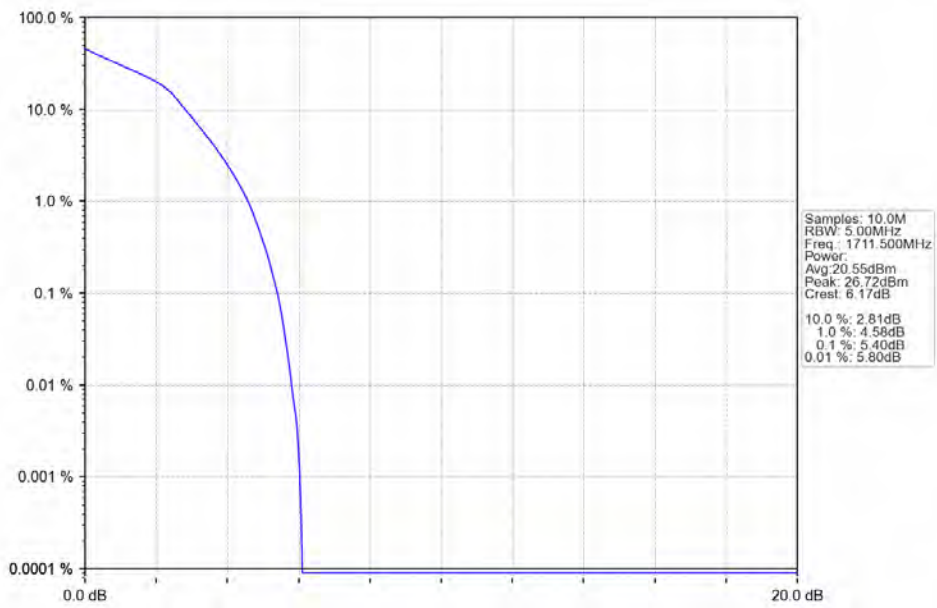
5.2.2 Test Graph



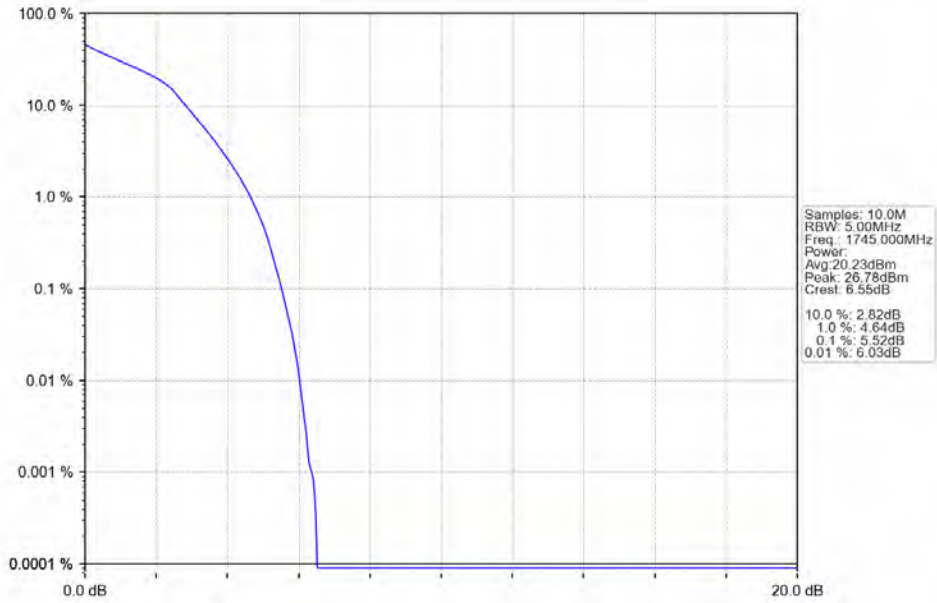
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



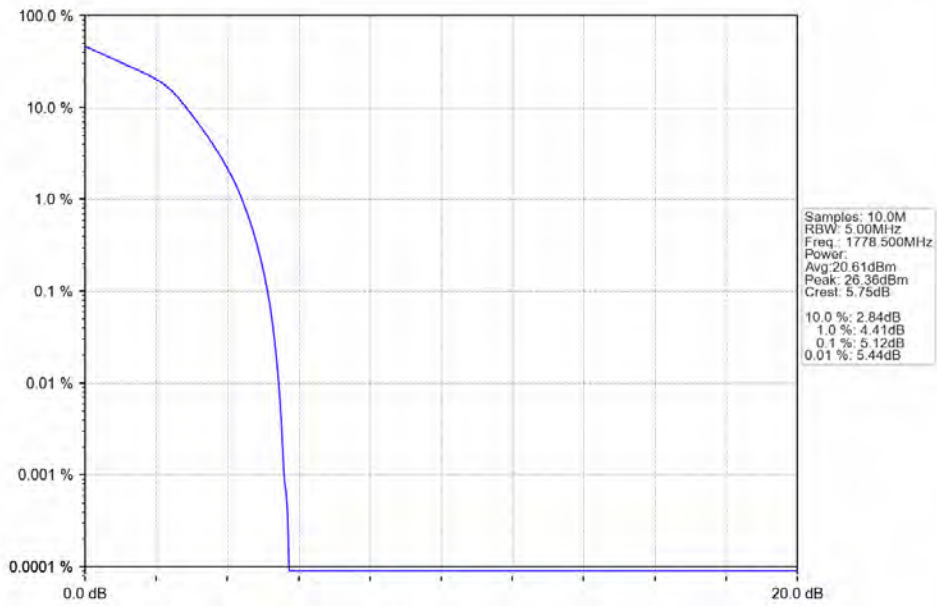
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV

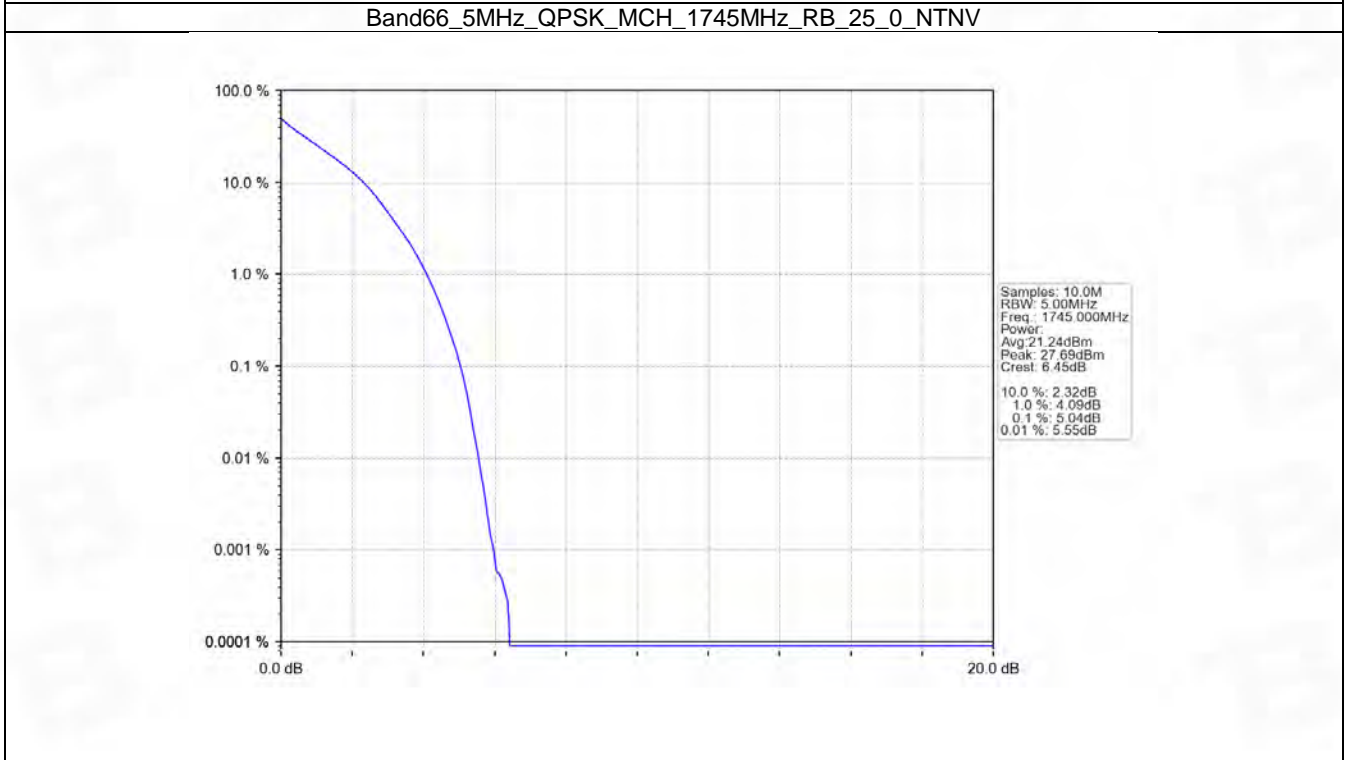
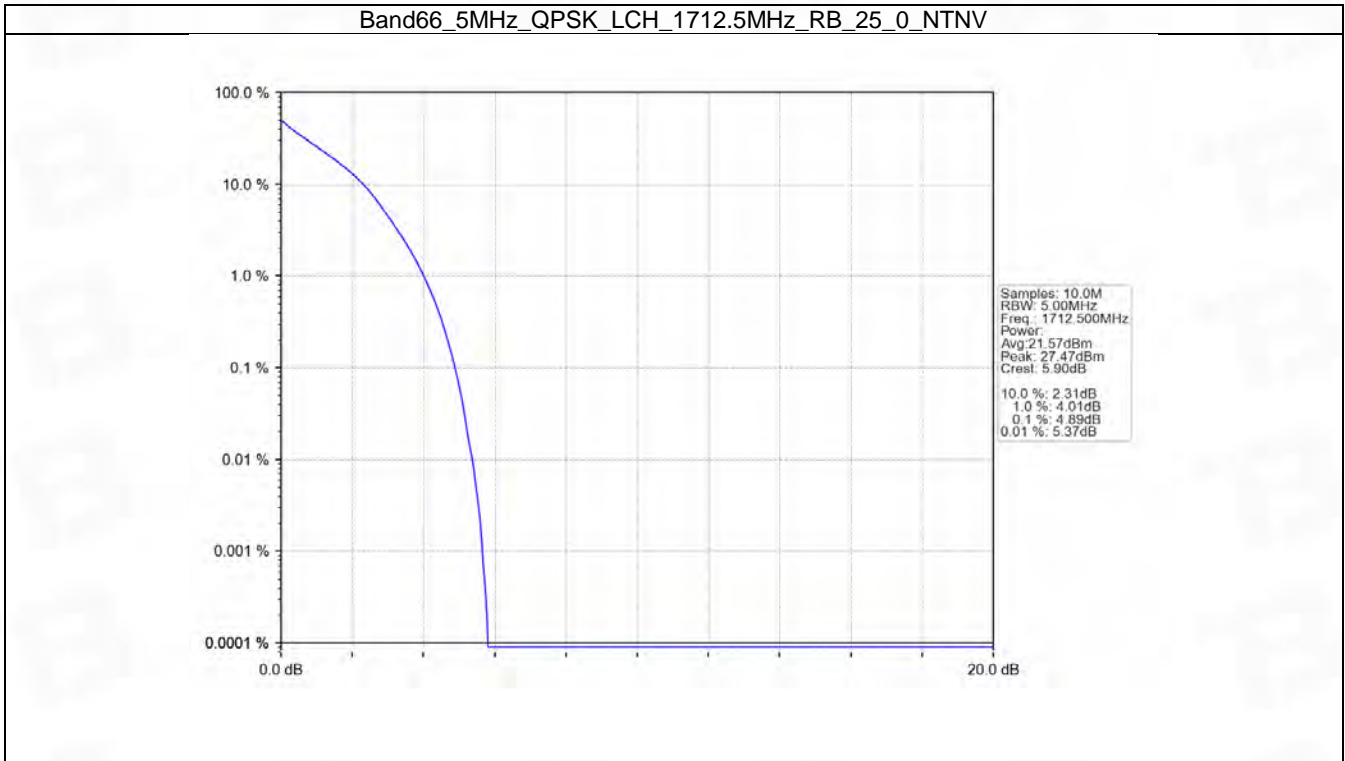


5.3 B66_5MHz

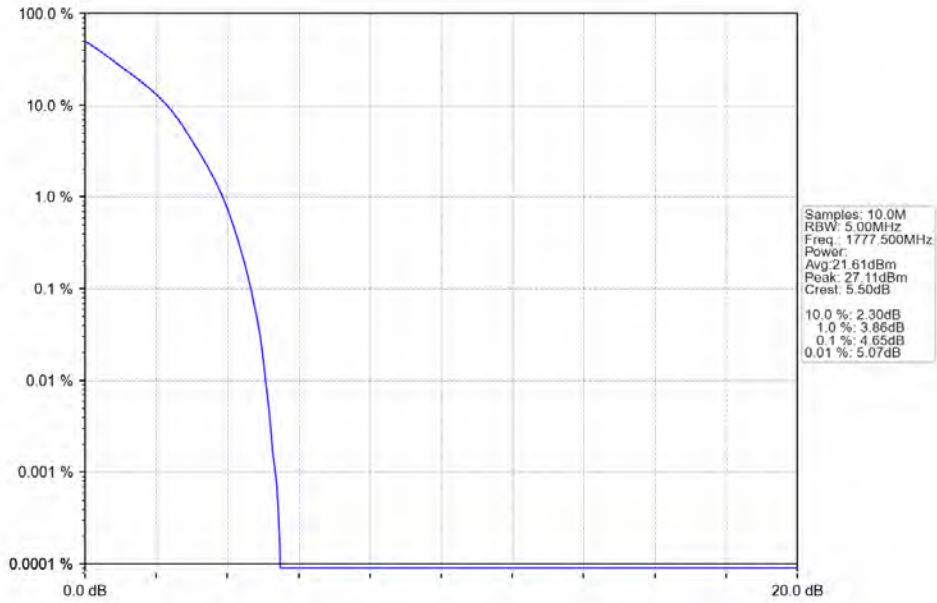
5.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	4.89	<=13	Pass
	1745	25	0	5.04	<=13	Pass
	1777.5	25	0	4.65	<=13	Pass
16QAM	1712.5	25	0	5.57	<=13	Pass
	1745	25	0	5.72	<=13	Pass
	1777.5	25	0	5.37	<=13	Pass

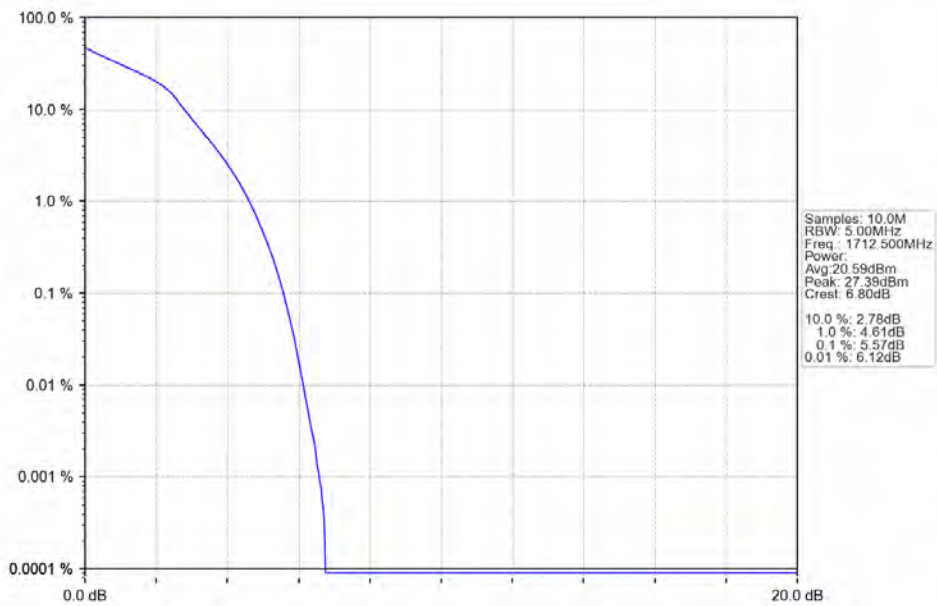
5.3.2 Test Graph



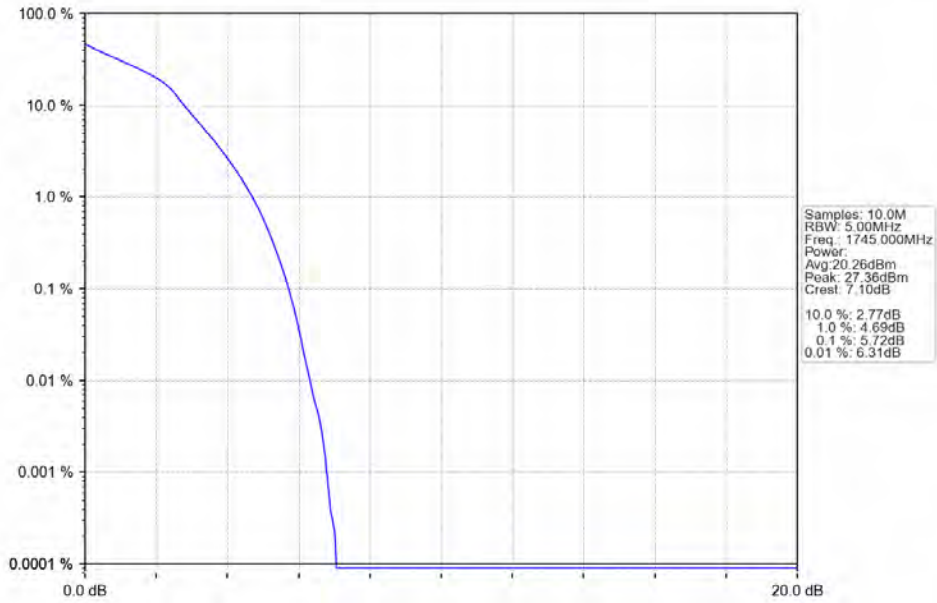
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



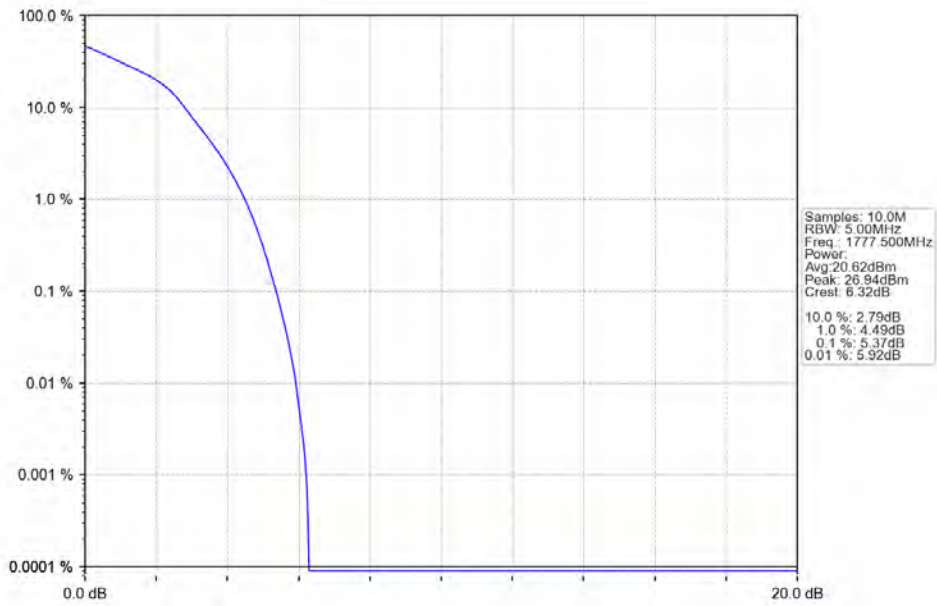
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV

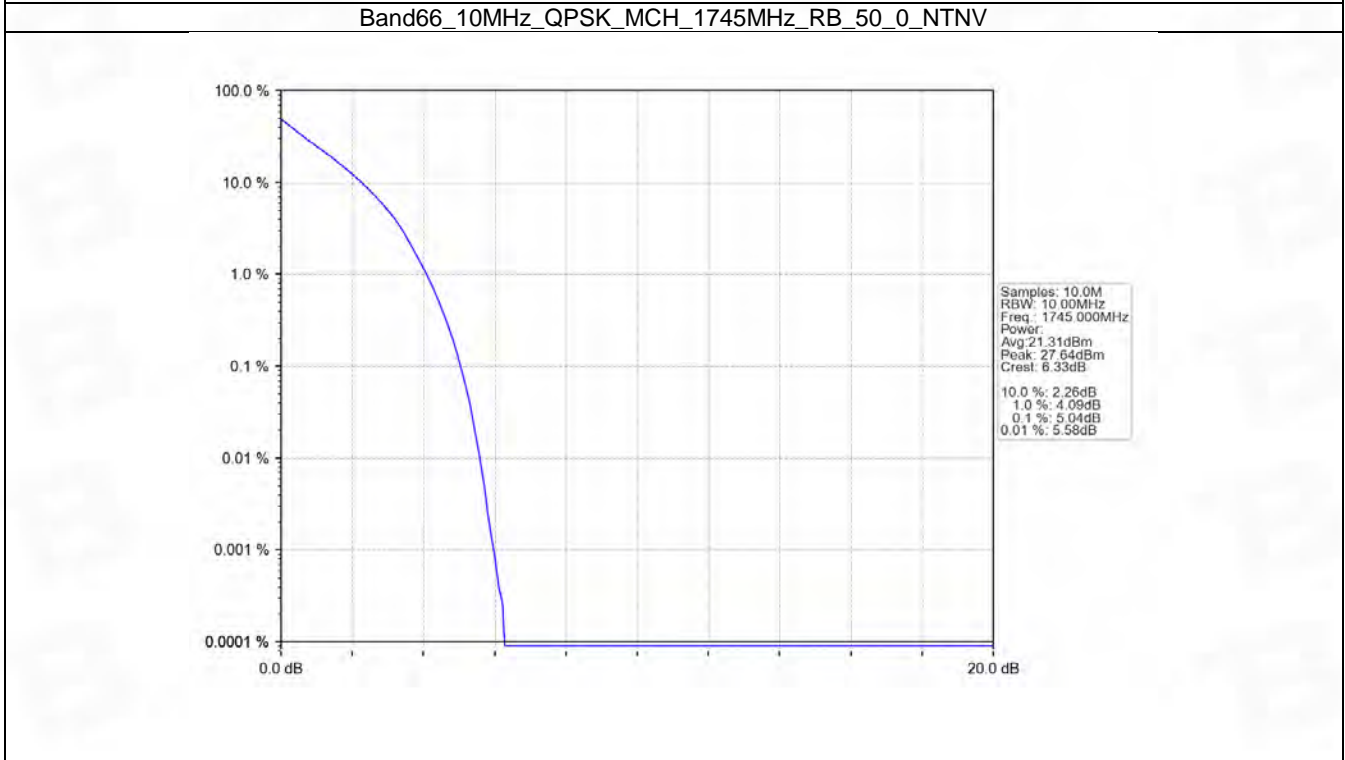
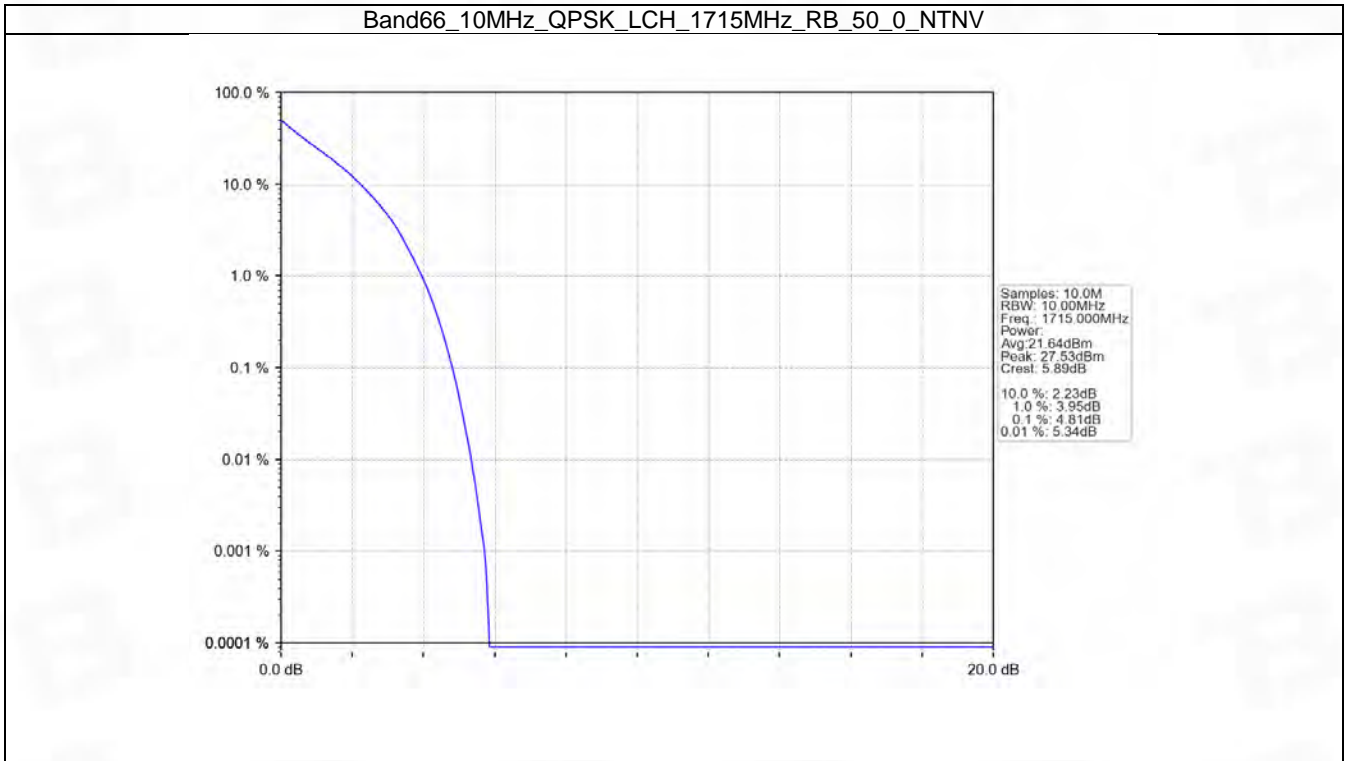


5.4 B66_10MHz

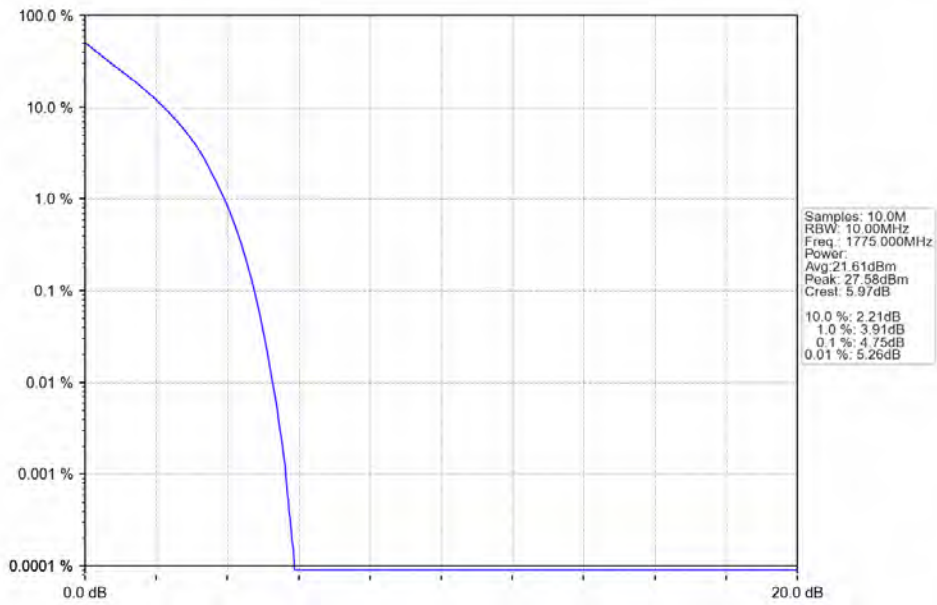
5.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.81	<=13	Pass
	1745	50	0	5.04	<=13	Pass
	1775	50	0	4.75	<=13	Pass
16QAM	1715	50	0	5.55	<=13	Pass
	1745	50	0	5.79	<=13	Pass
	1775	50	0	5.52	<=13	Pass

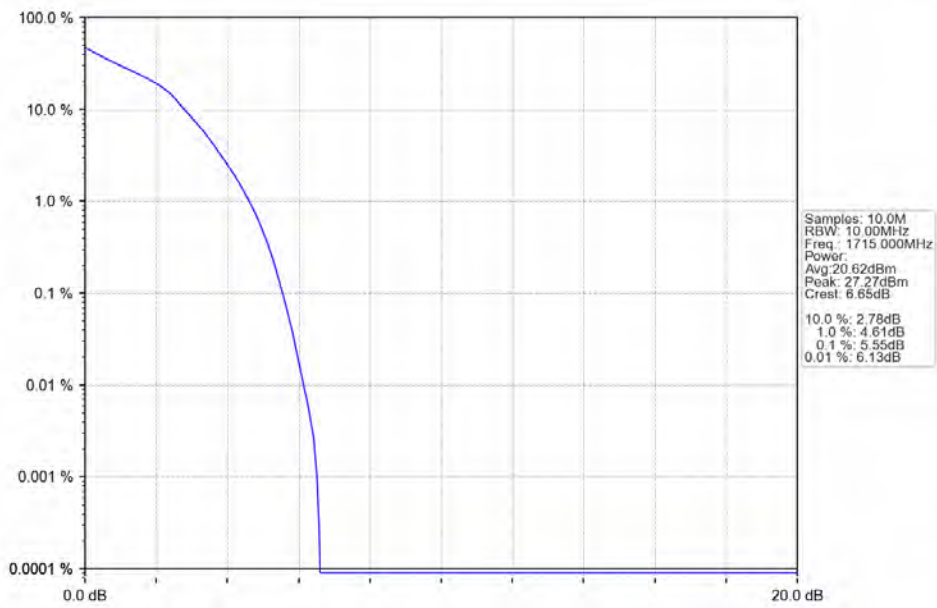
5.4.2 Test Graph



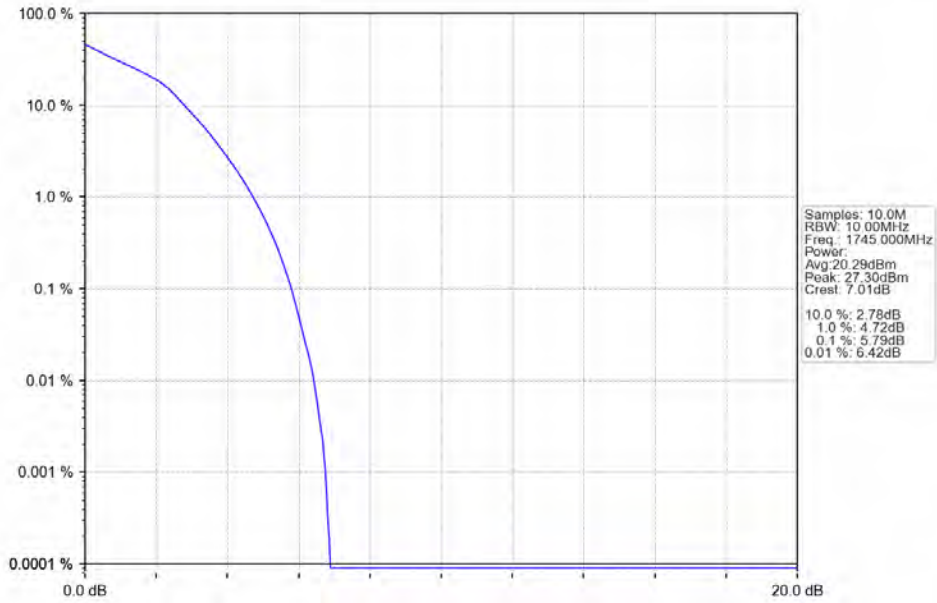
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



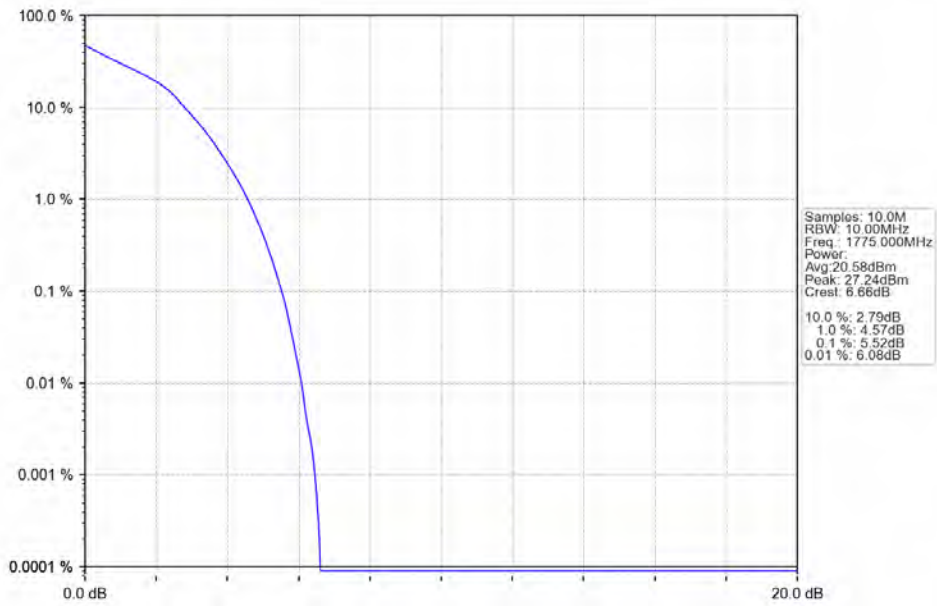
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV

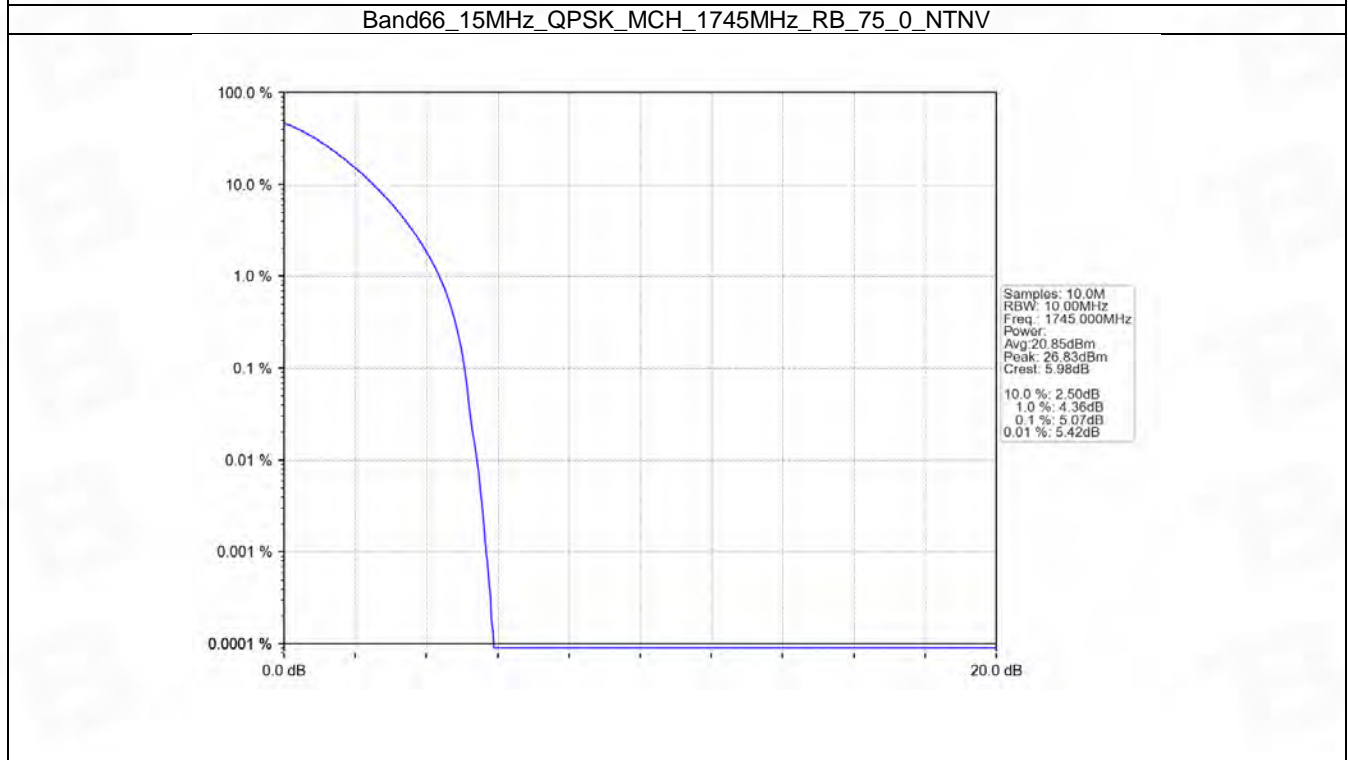
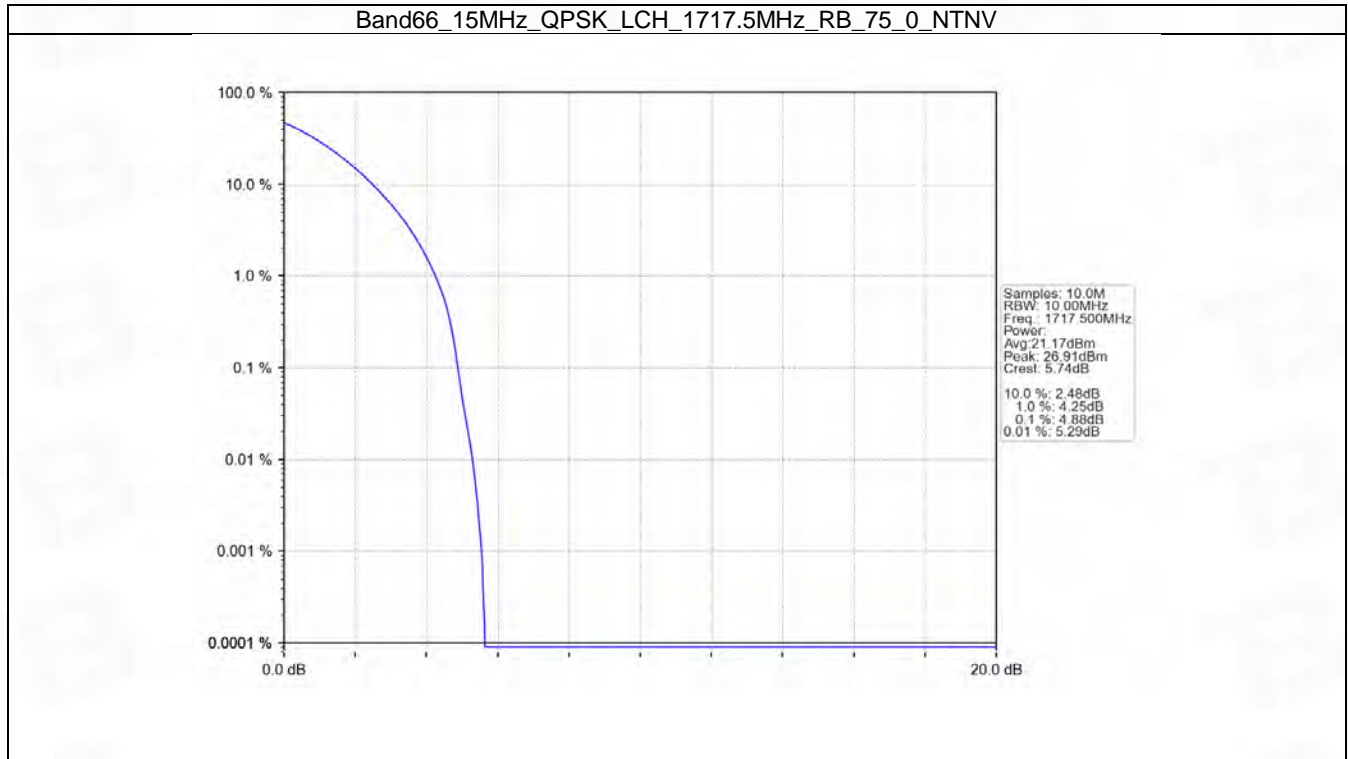


5.5 B66_15MHz

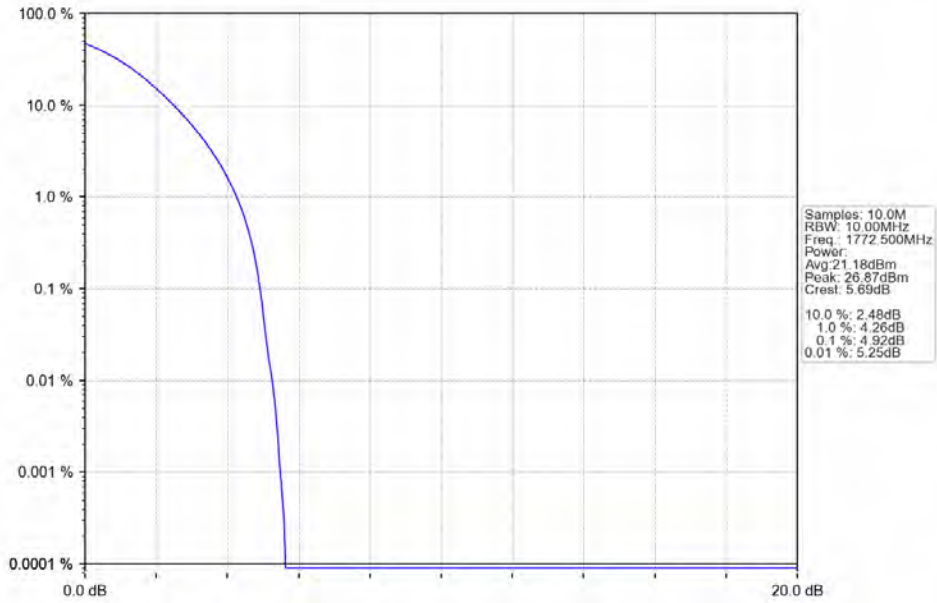
5.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.88	<=13	Pass
	1745	75	0	5.07	<=13	Pass
	1772.5	75	0	4.92	<=13	Pass
16QAM	1717.5	75	0	5.67	<=13	Pass
	1745	75	0	5.84	<=13	Pass
	1772.5	75	0	5.71	<=13	Pass

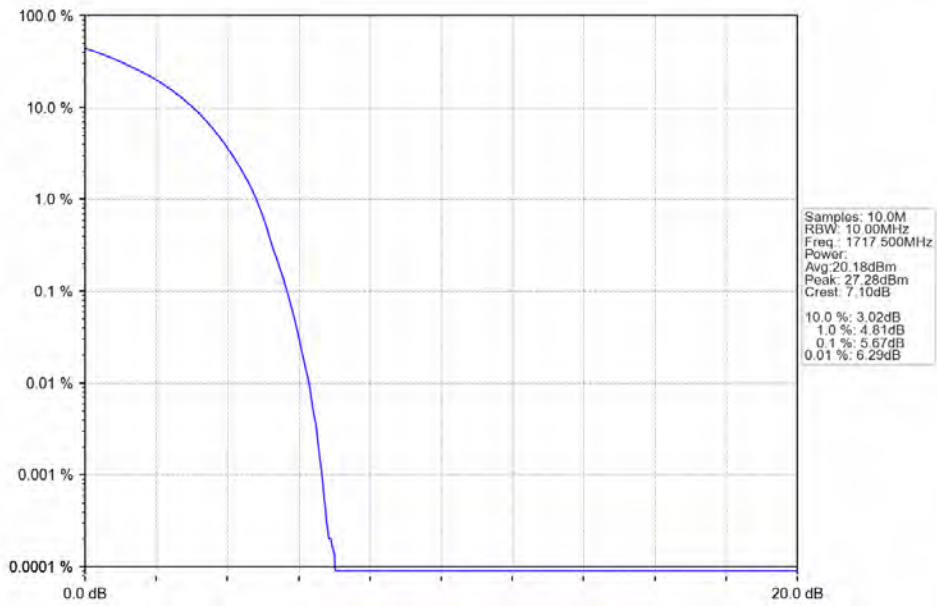
5.5.2 Test Graph



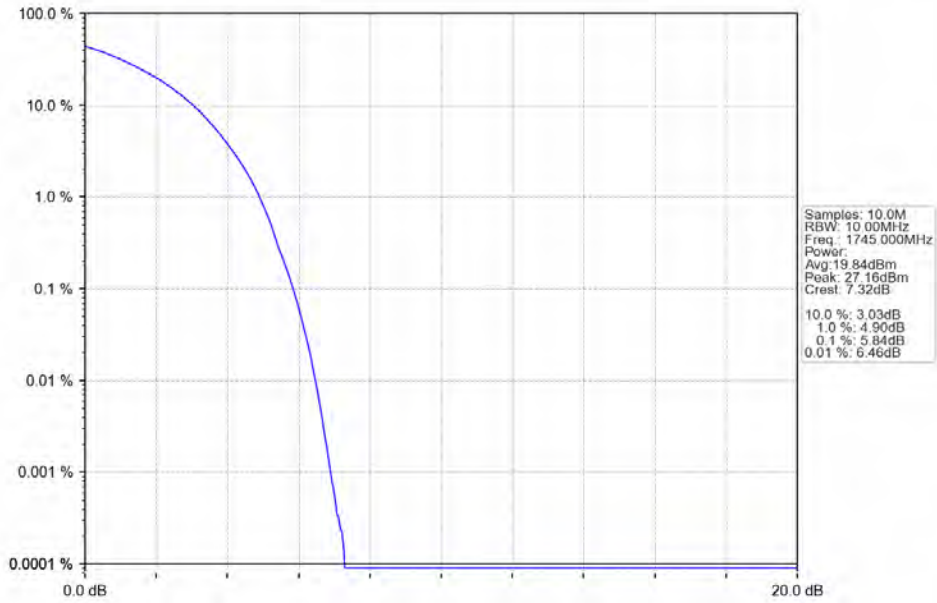
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



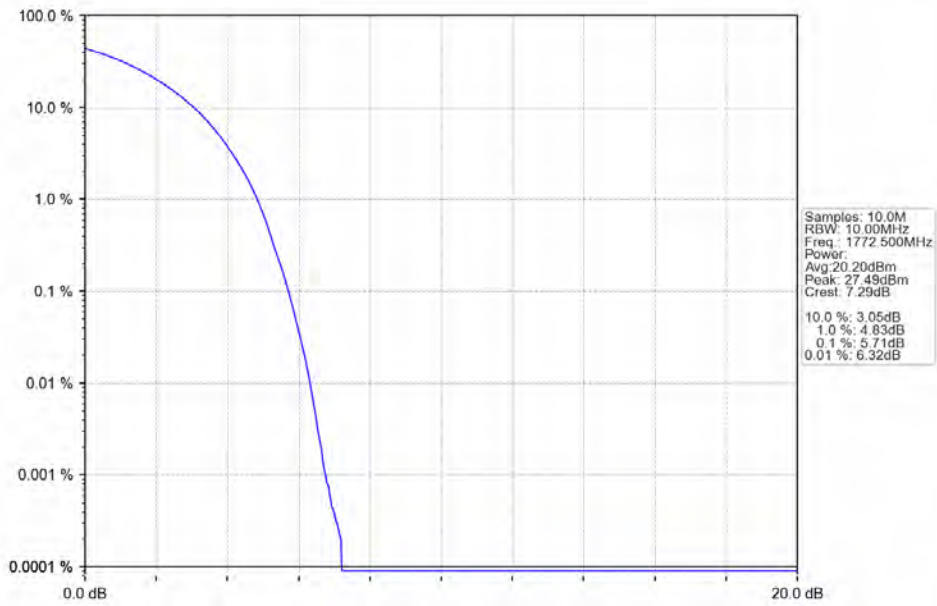
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV

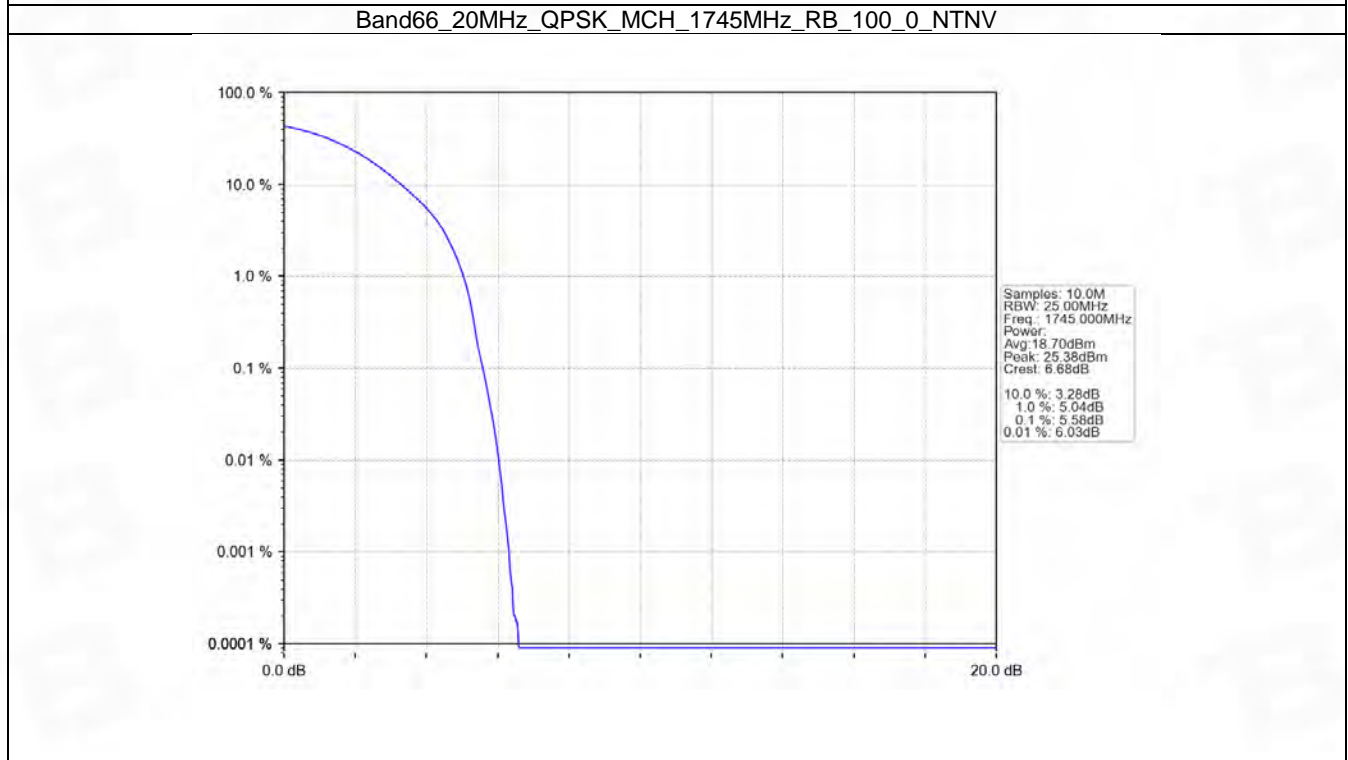
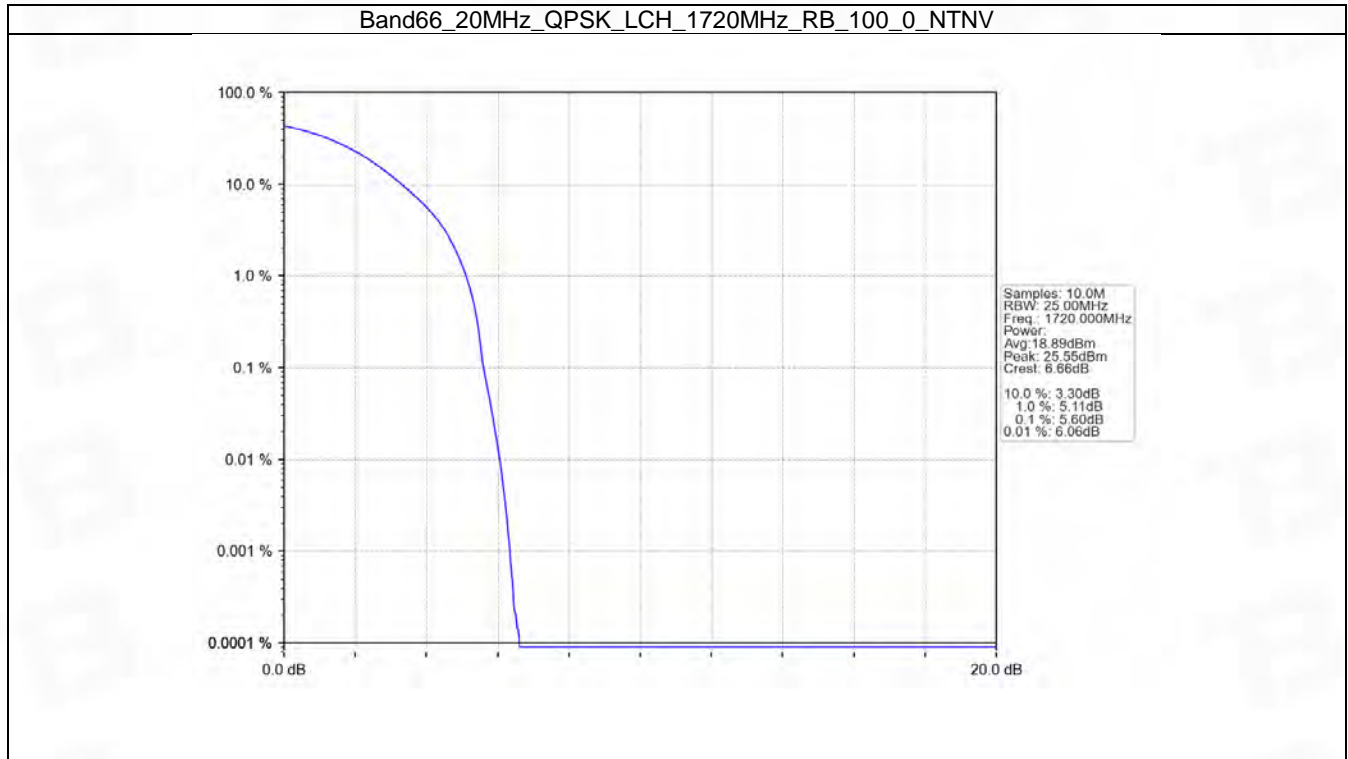


5.6 B66_20MHz

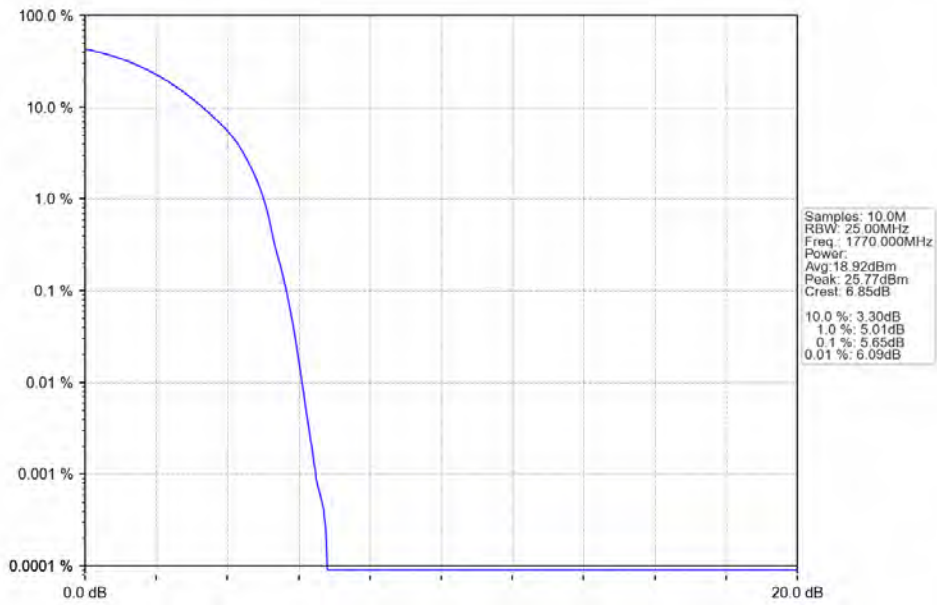
5.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.60	<=13	Pass
	1745	100	0	5.58	<=13	Pass
	1770	100	0	5.65	<=13	Pass
16QAM	1720	100	0	7.04	<=13	Pass
	1745	100	0	6.60	<=13	Pass
	1770	100	0	6.66	<=13	Pass

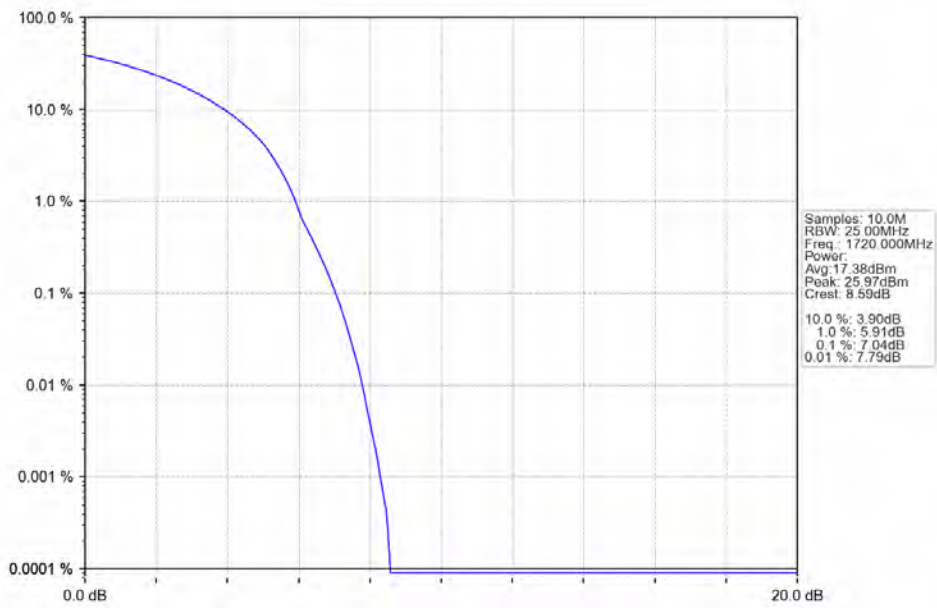
5.6.2 Test Graph



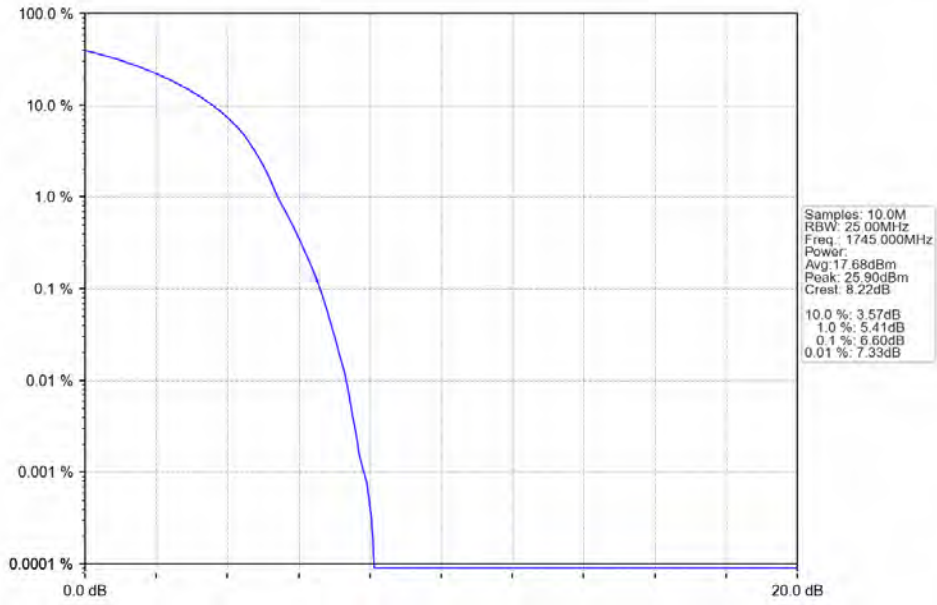
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



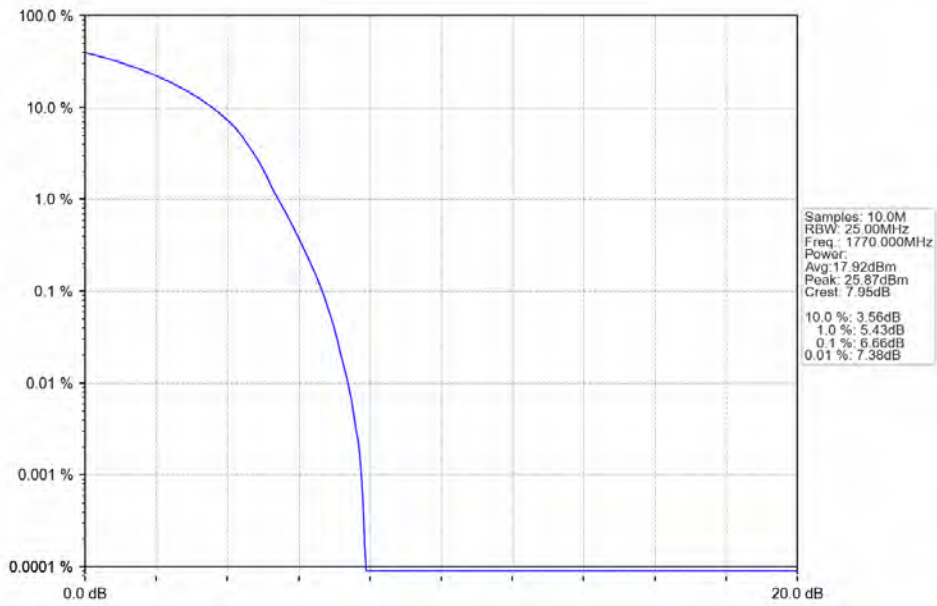
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



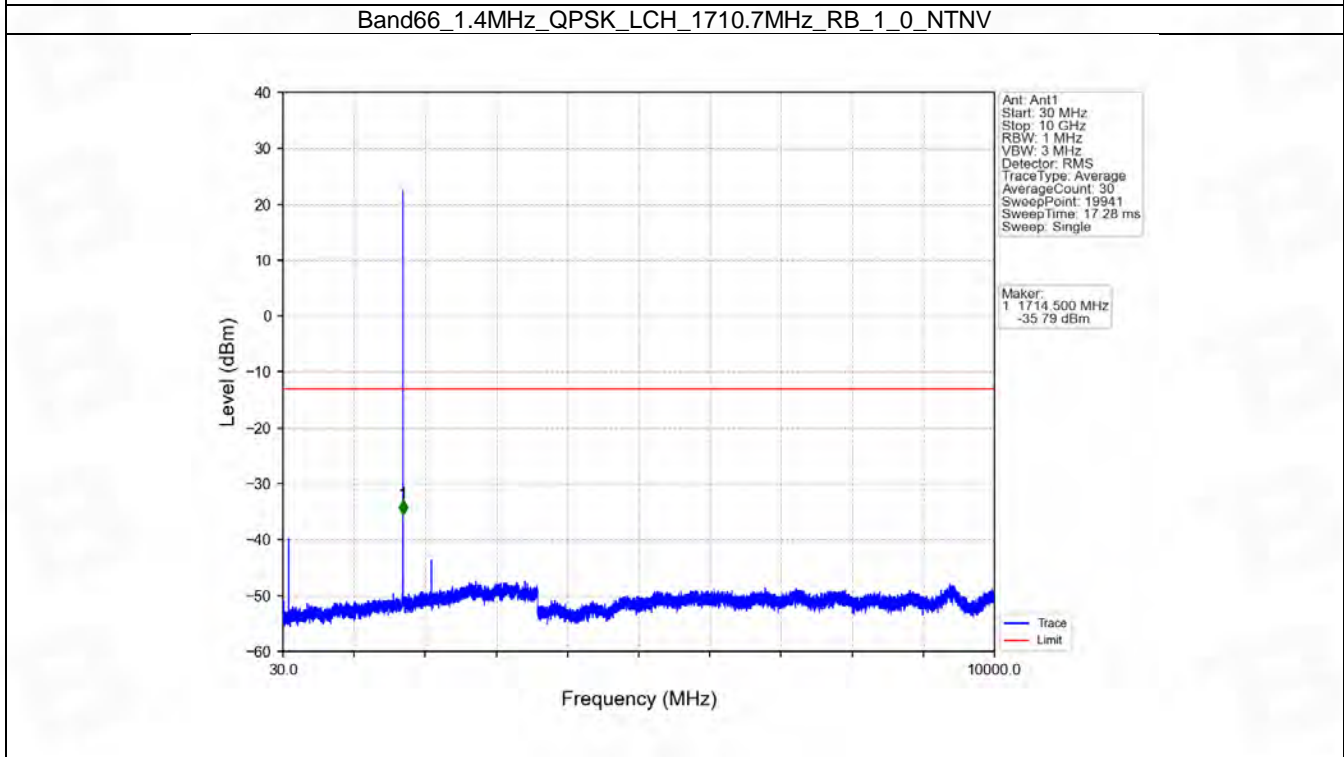
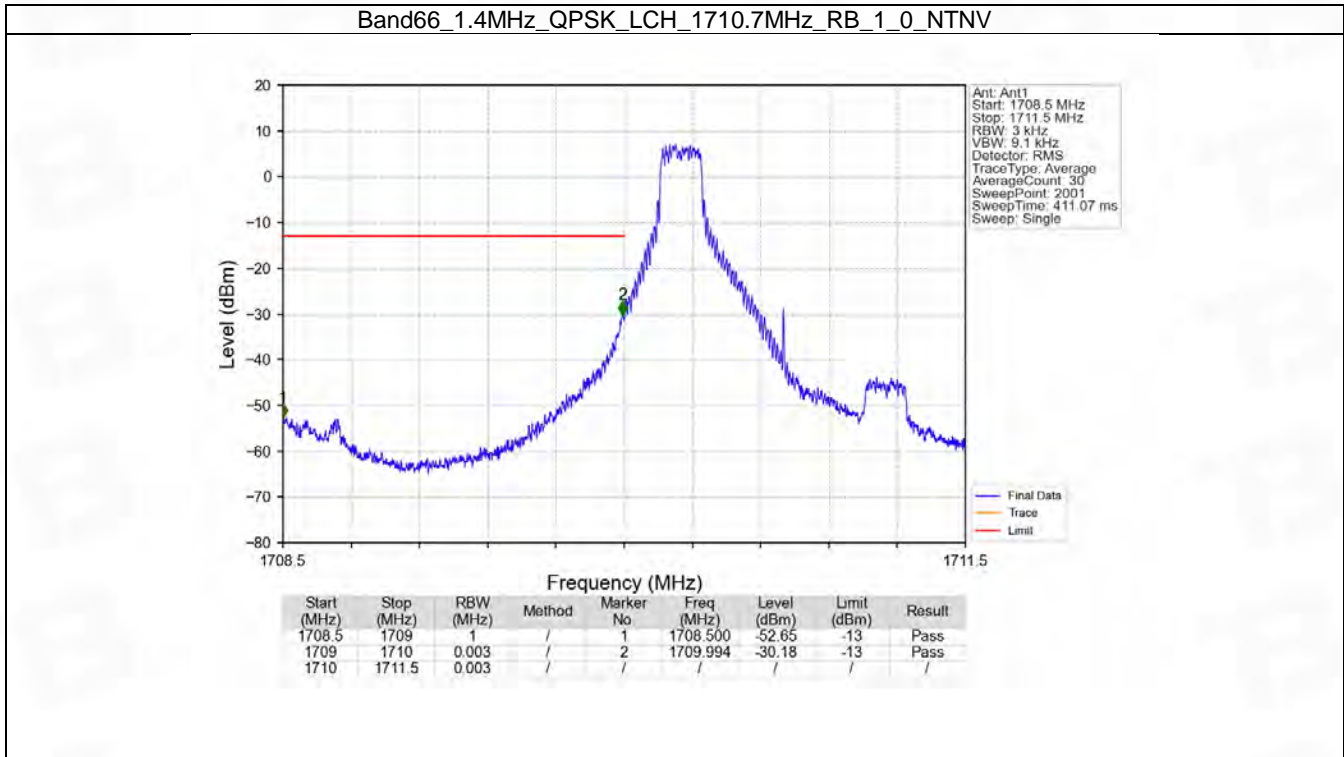
6. Spurious Emission

6.1 B66_1.4MHz

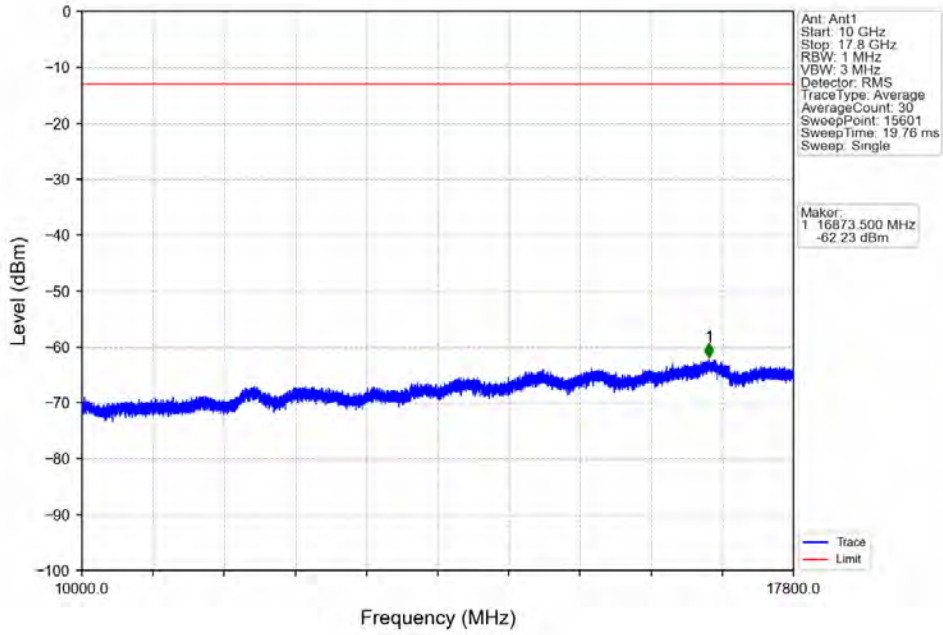
6.1.1 Test Result

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
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

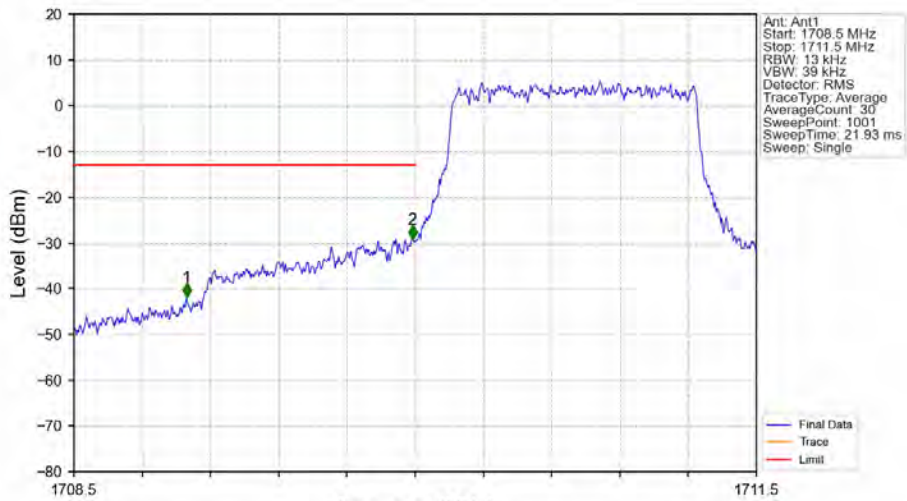
6.1.2 Test Graph



Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

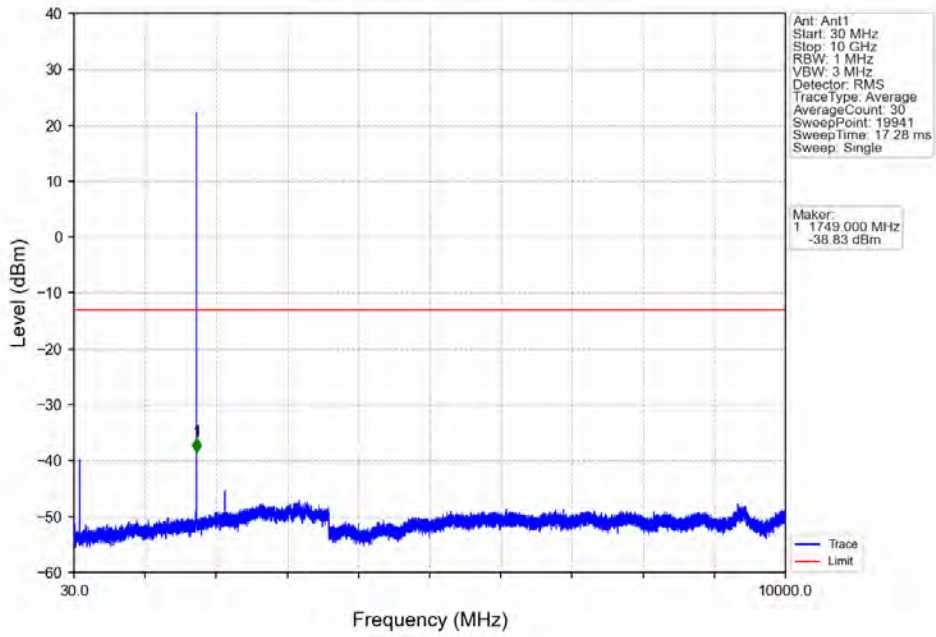


Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

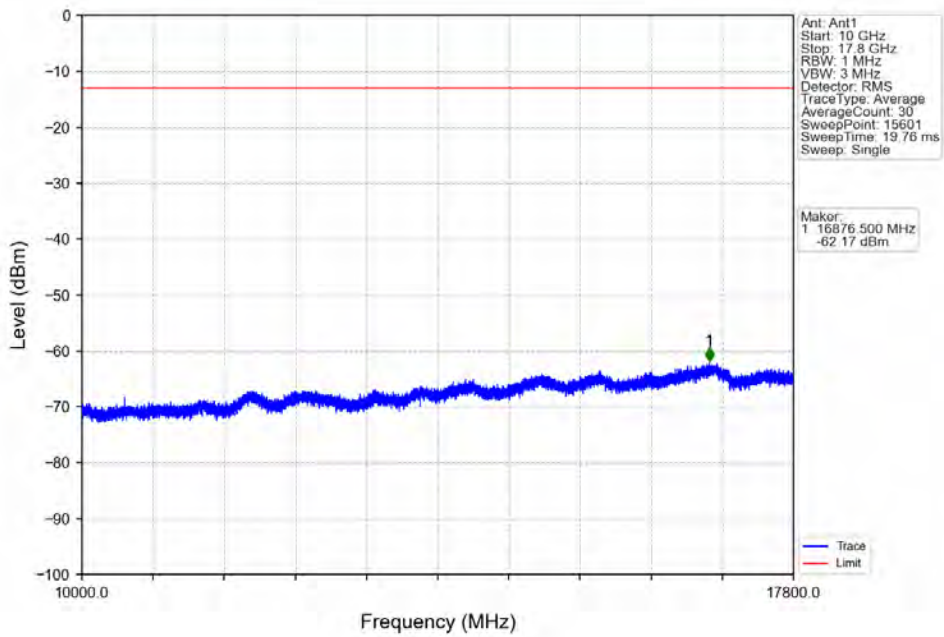


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.995	-41.98	-13	Pass
1709	1710	0.013	/	2	1709.988	-29.16	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

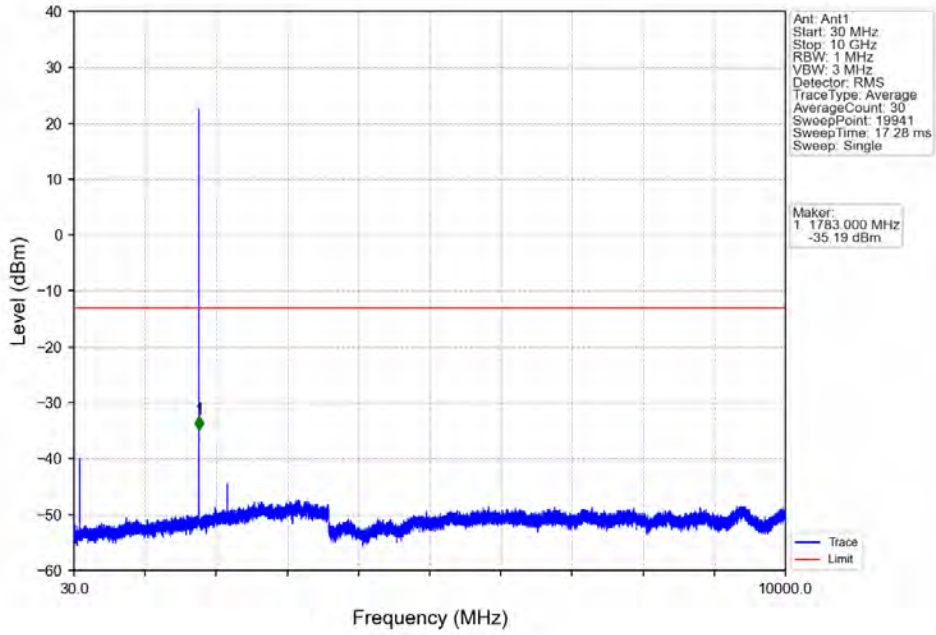
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



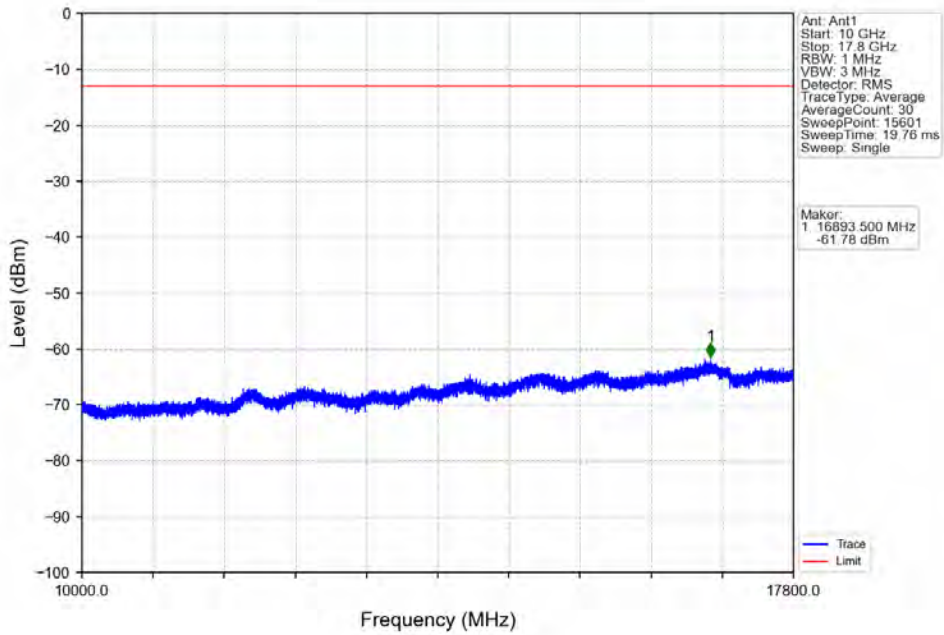
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



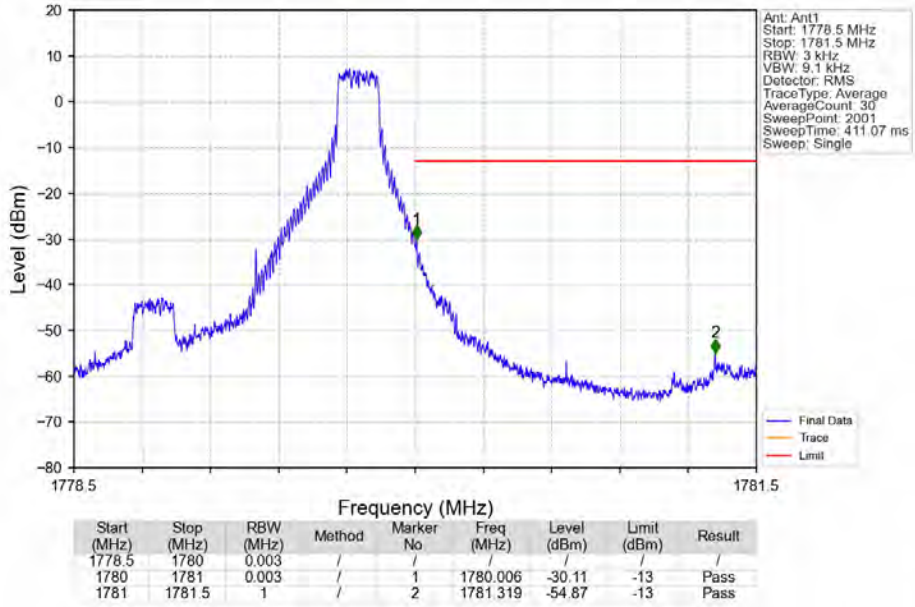
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV



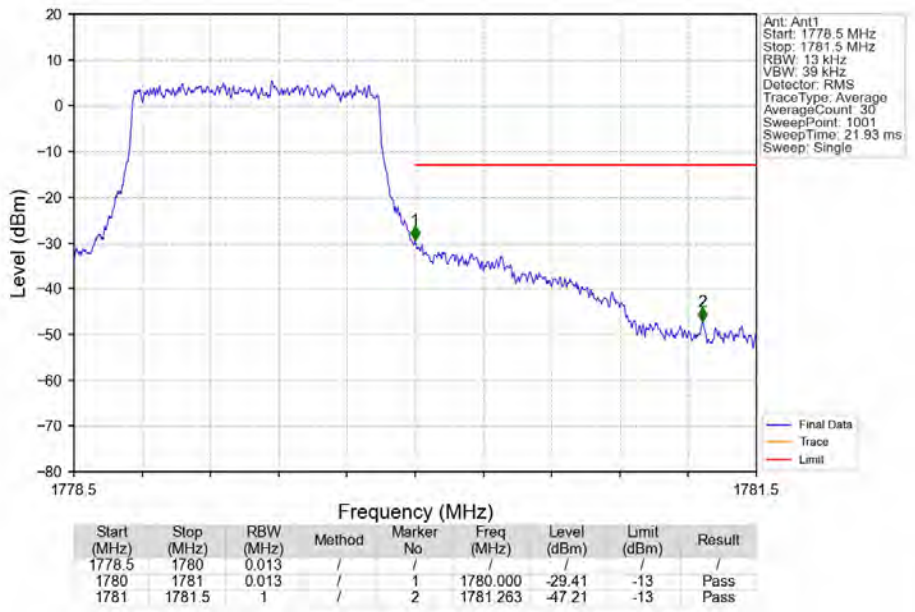
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV



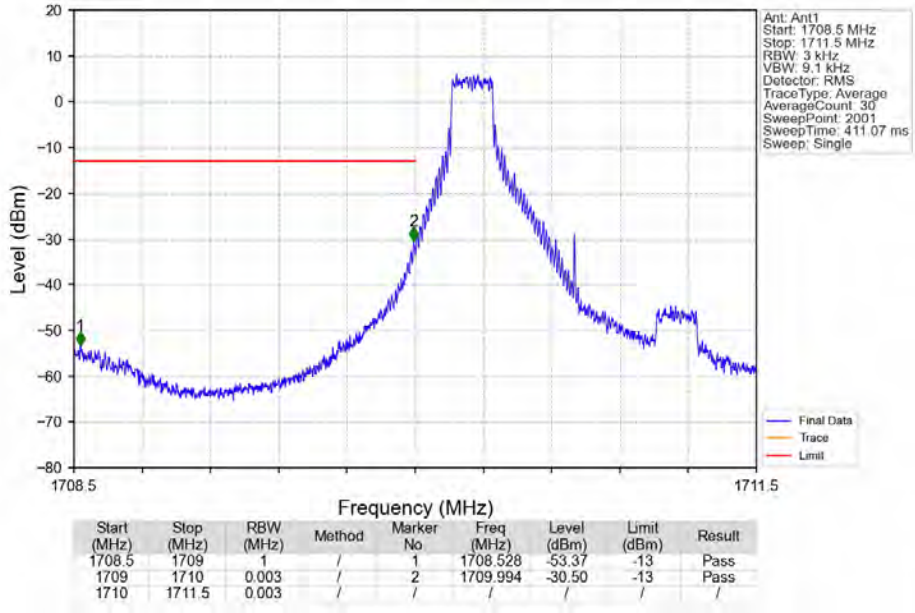
Band66 1.4MHz QPSK HCH 1779.3MHz RB_1_5_NTNV



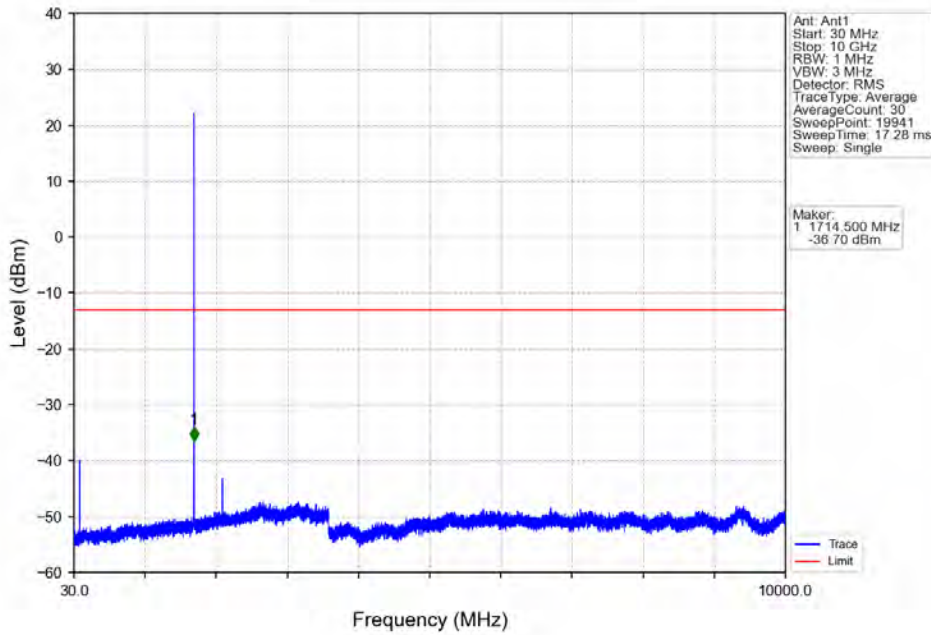
Band66 1.4MHz QPSK HCH 1779.3MHz RB_6_0_NTNV



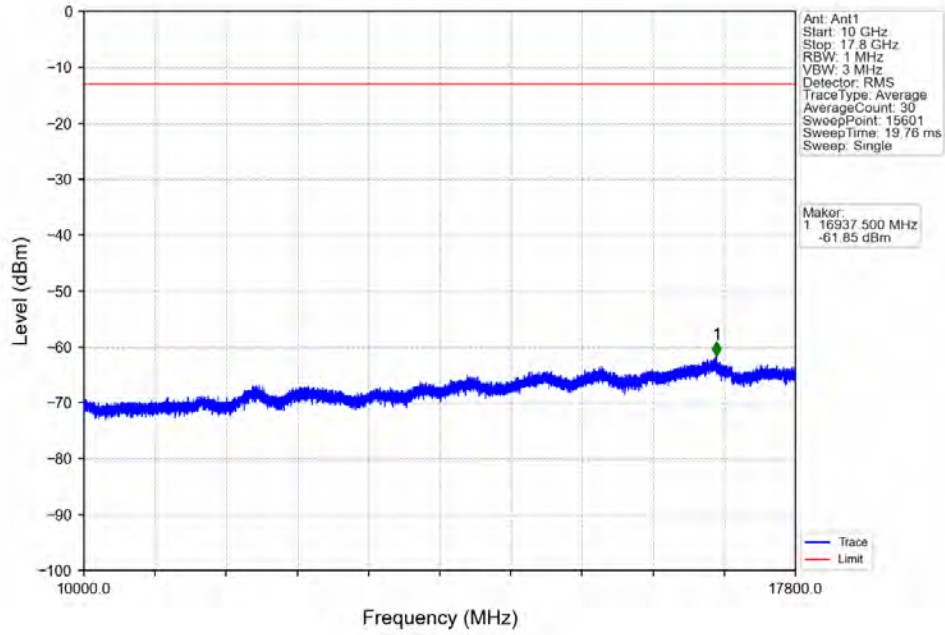
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



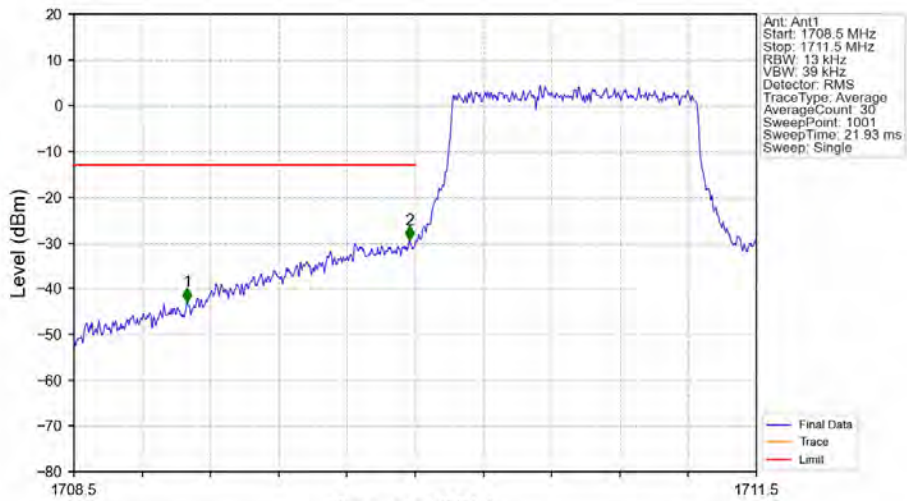
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

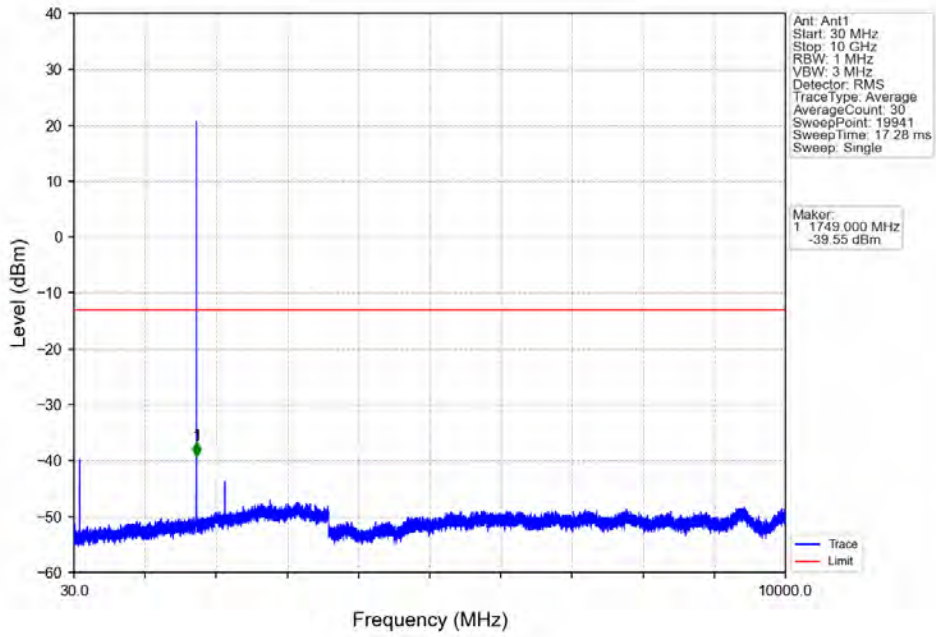


Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

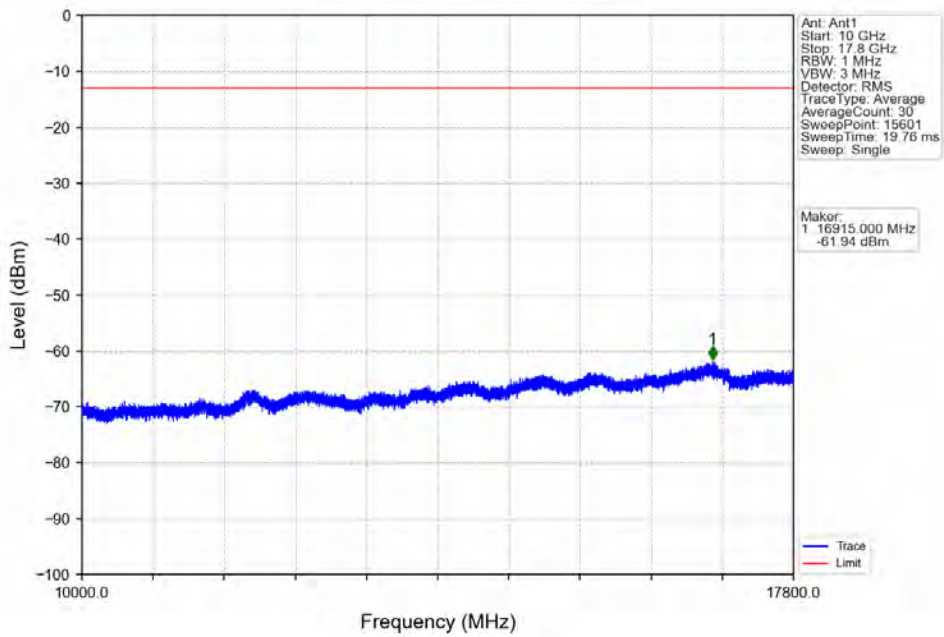


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.998	-42.88	-13	Pass
1709	1710	0.013	/	2	1709.976	-29.36	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

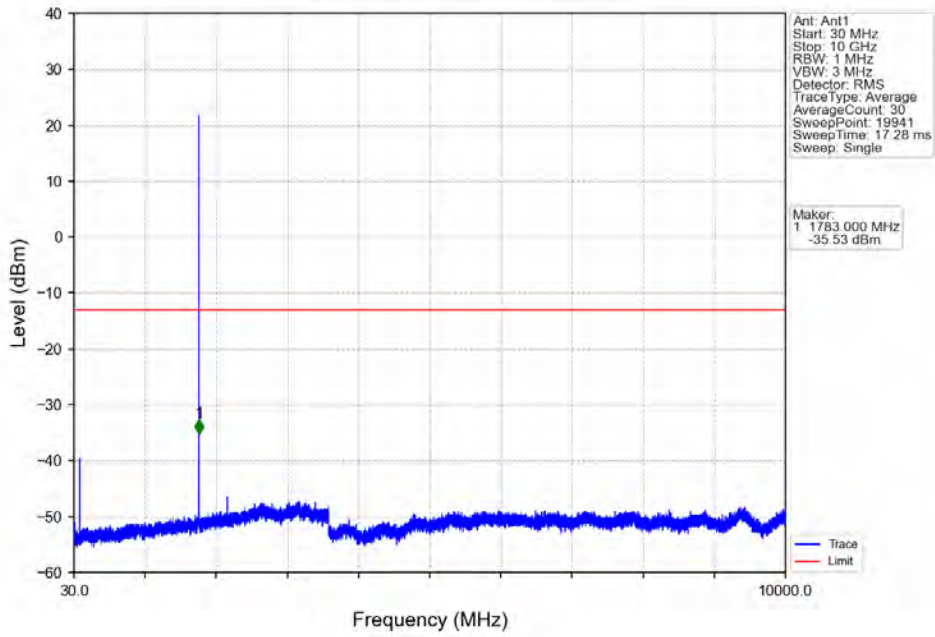
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



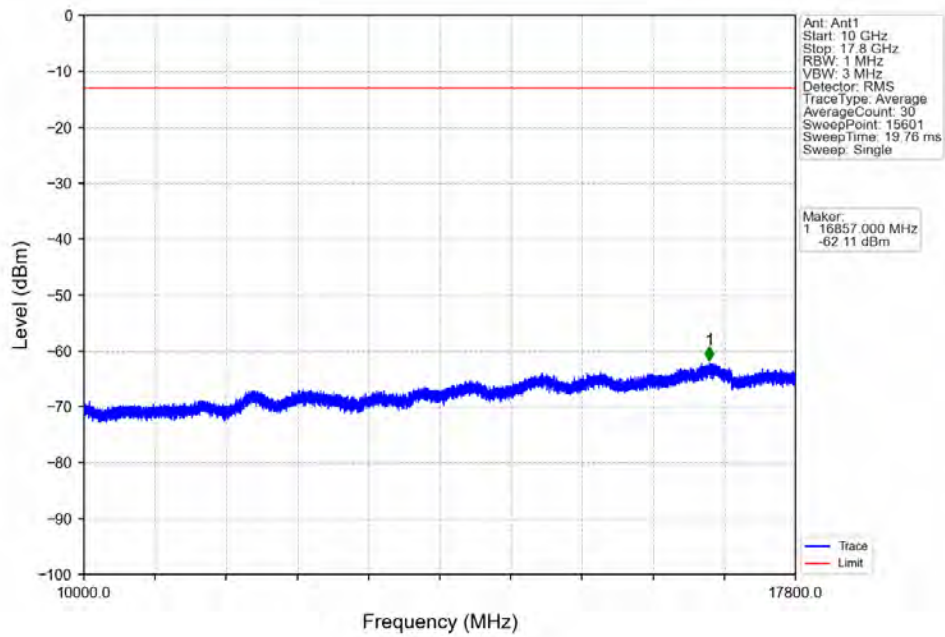
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



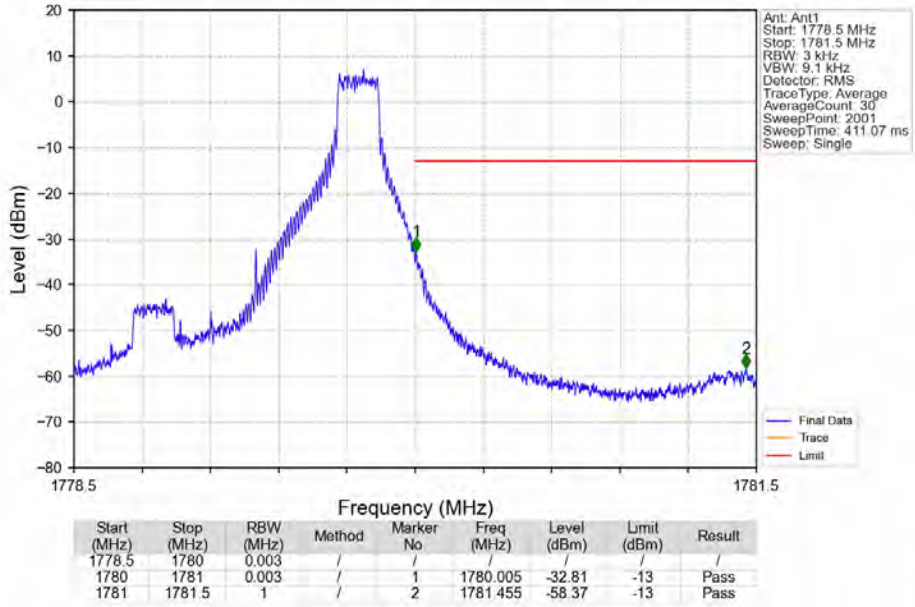
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



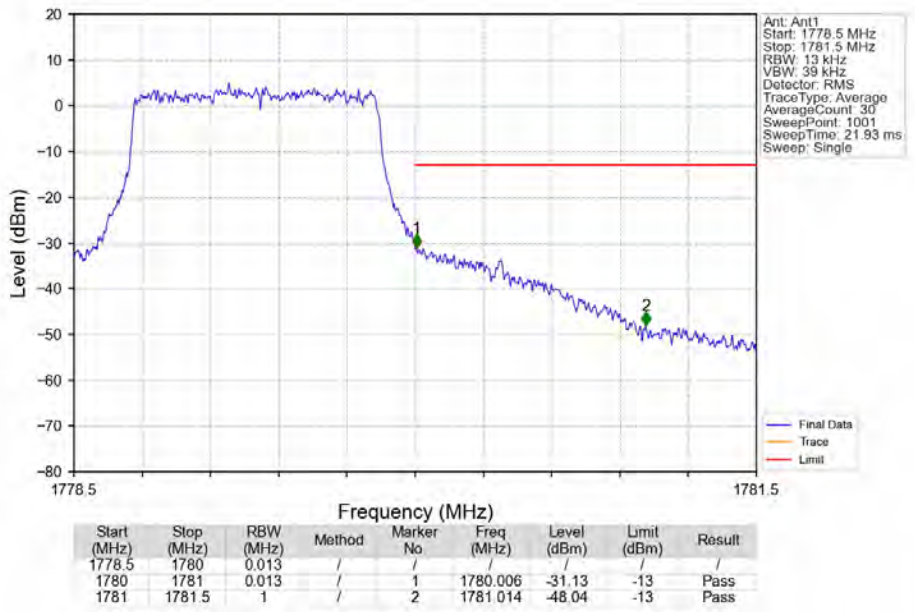
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_5_NTNV



Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV

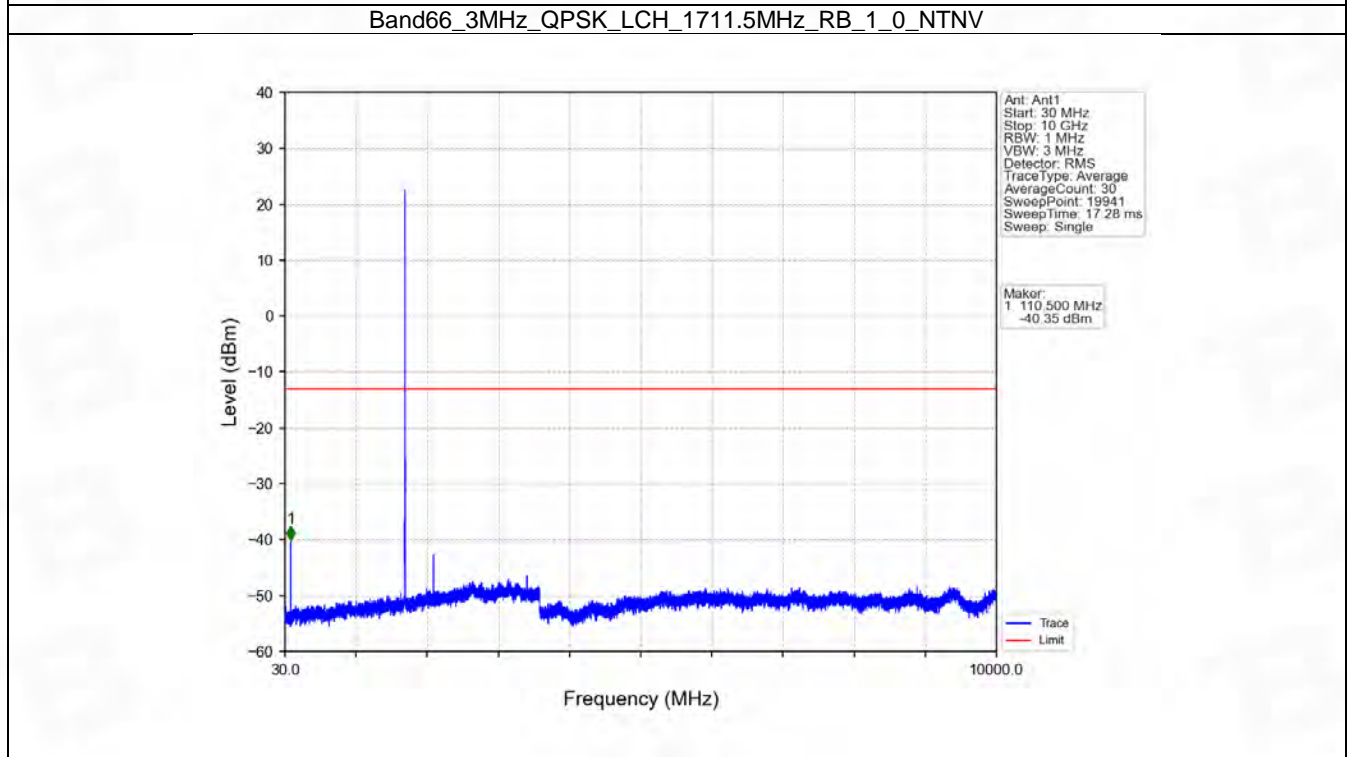
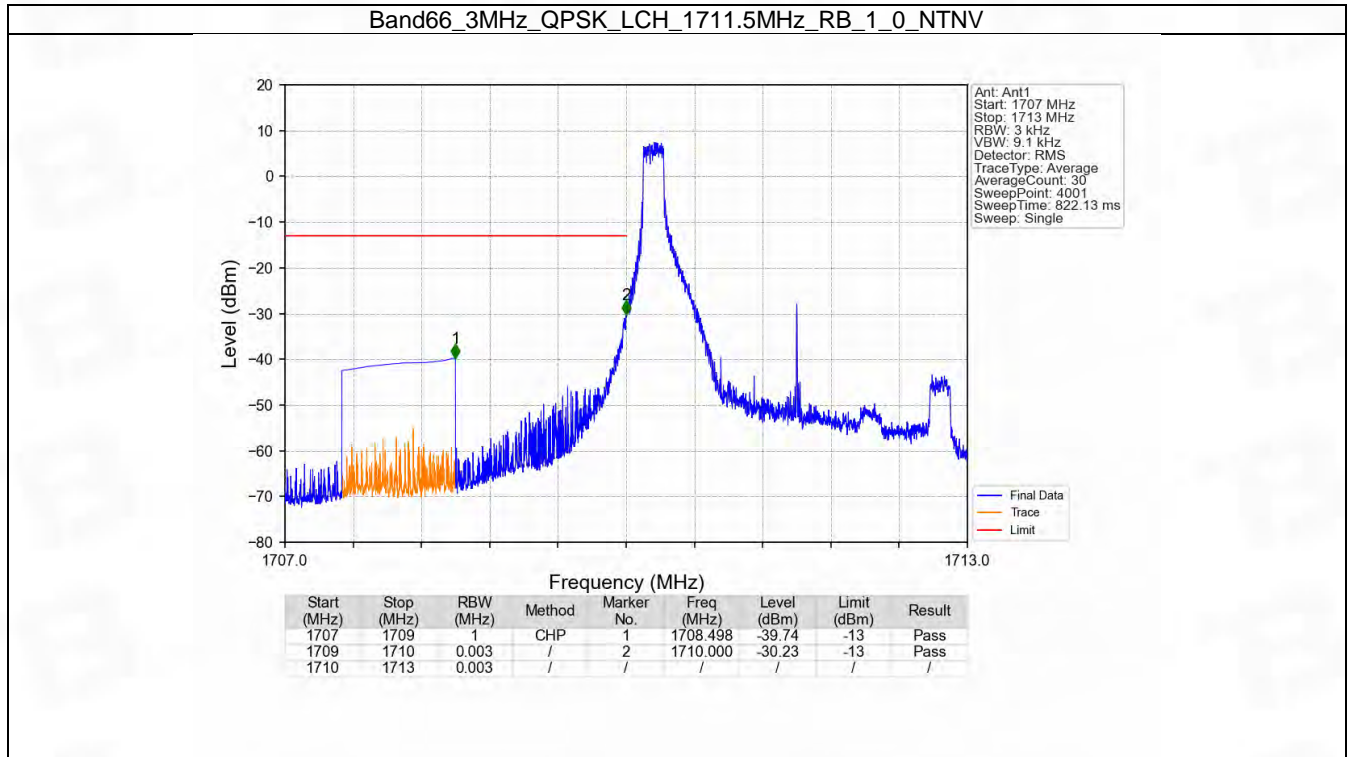


6.2 B66_3MHz

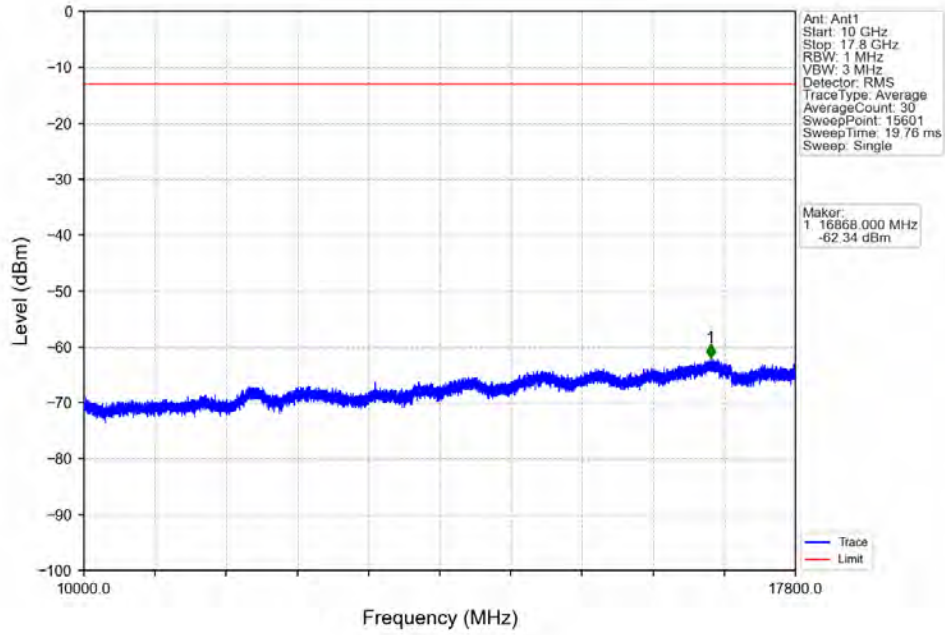
6.2.1 Test Result

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

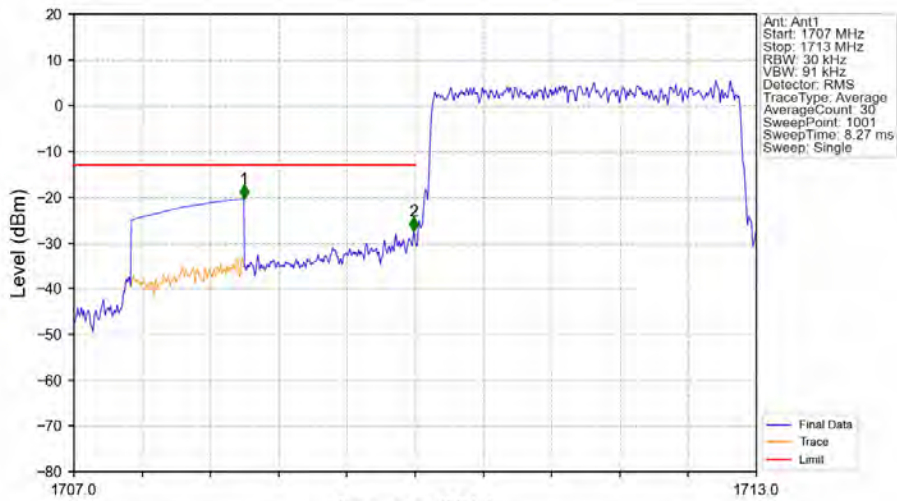
6.2.2 Test Graph



Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

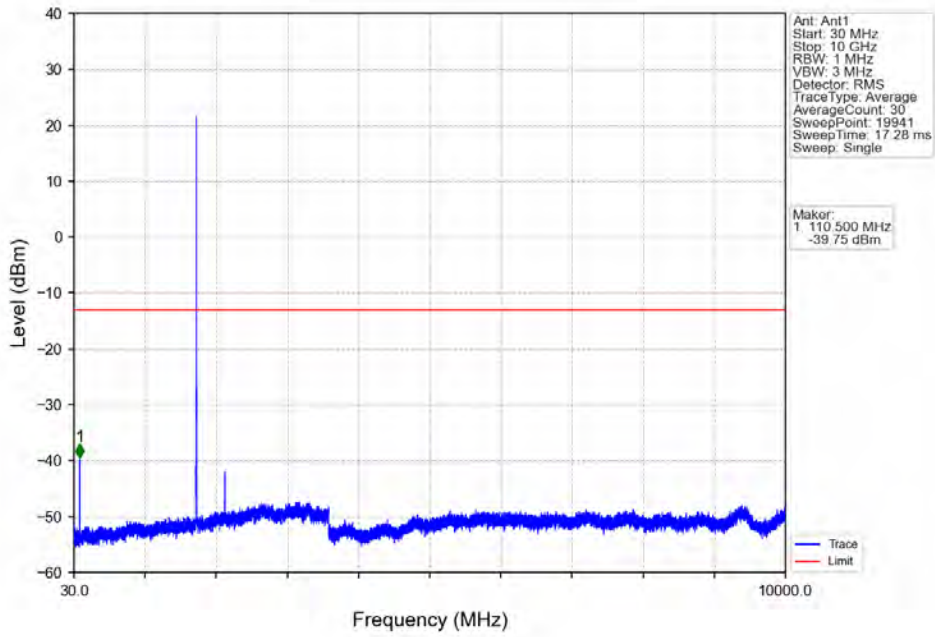


Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

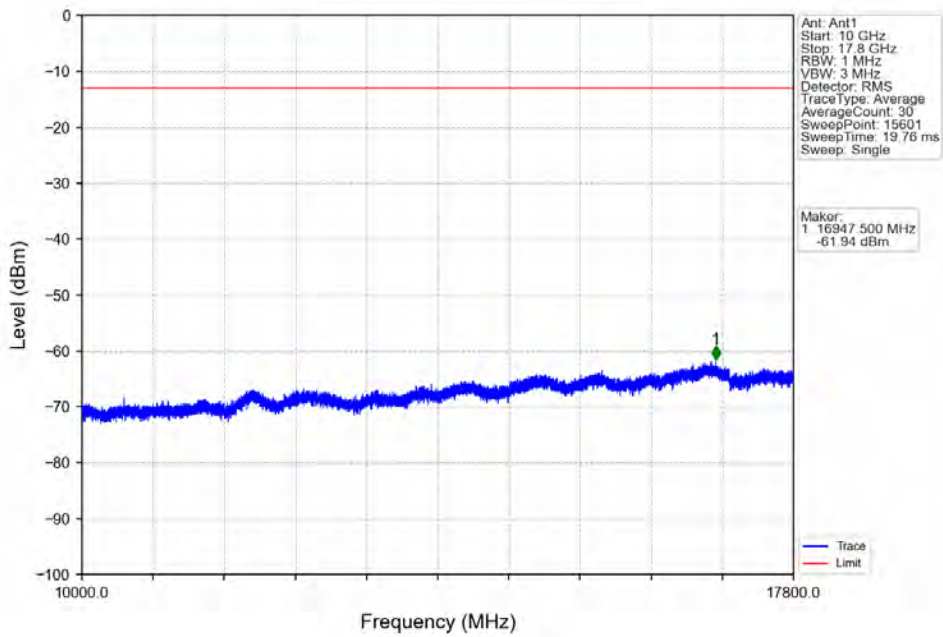


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-20.43	-13	Pass
1709	1710	0.03	/	2	1709.988	-27.52	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

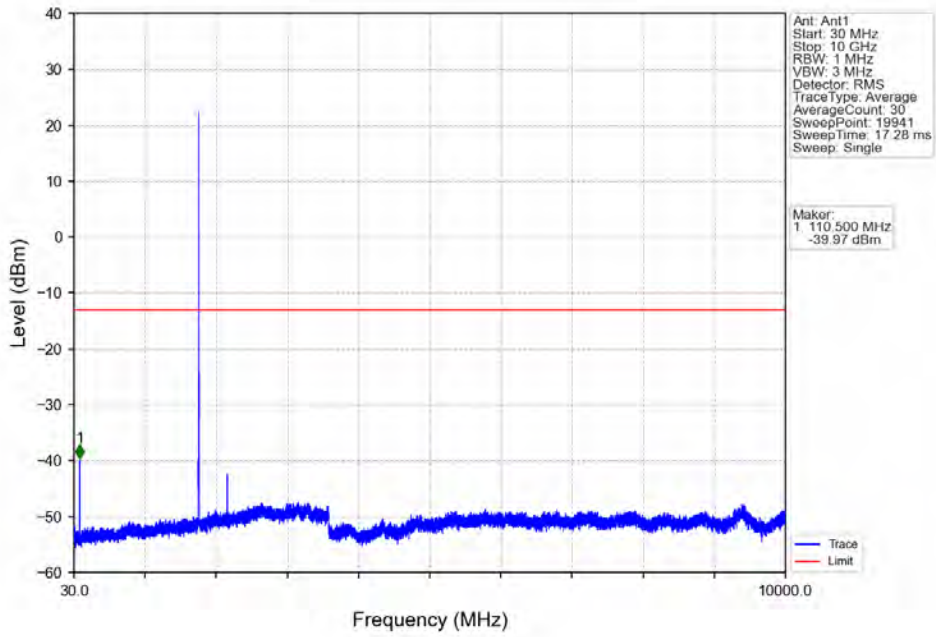
Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



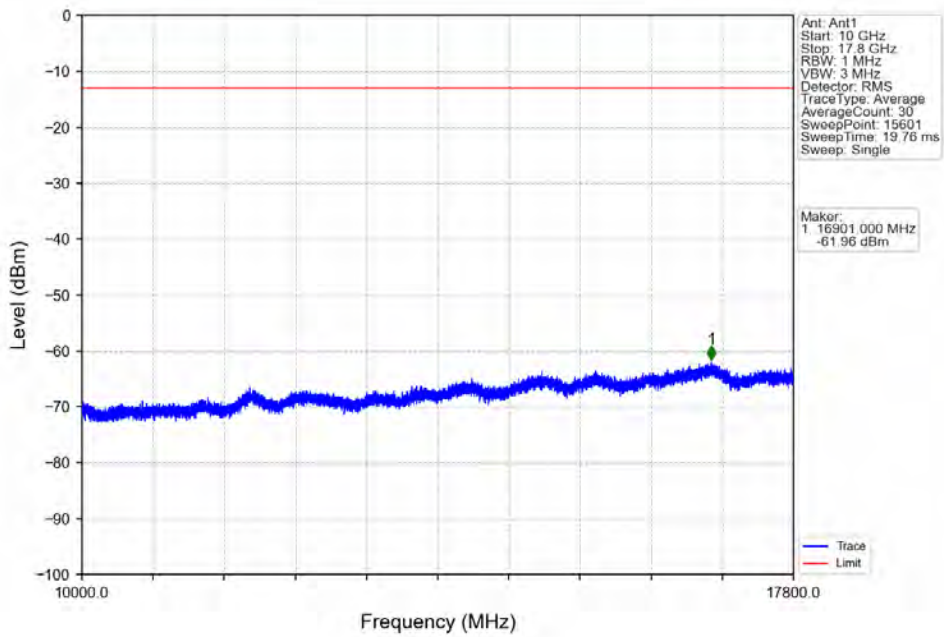
Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



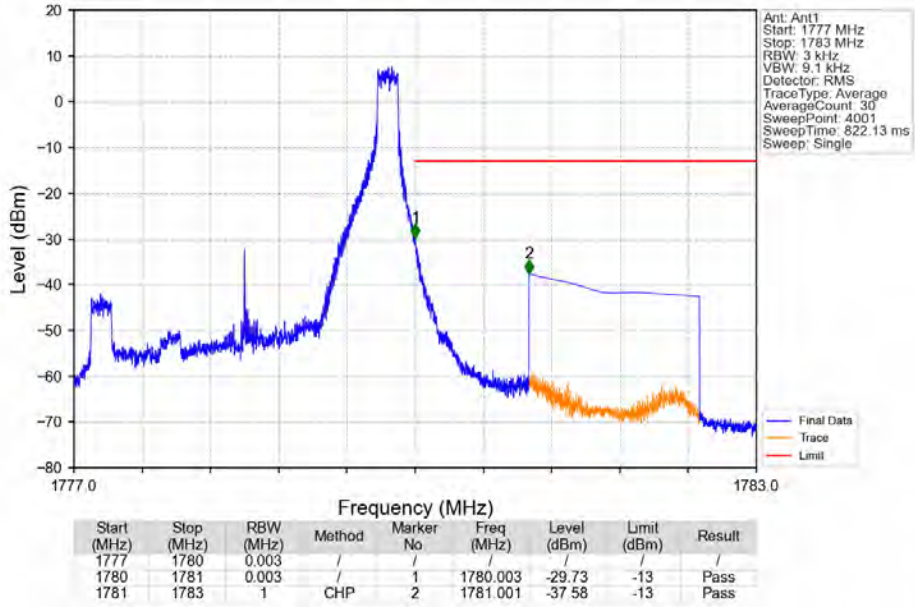
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV



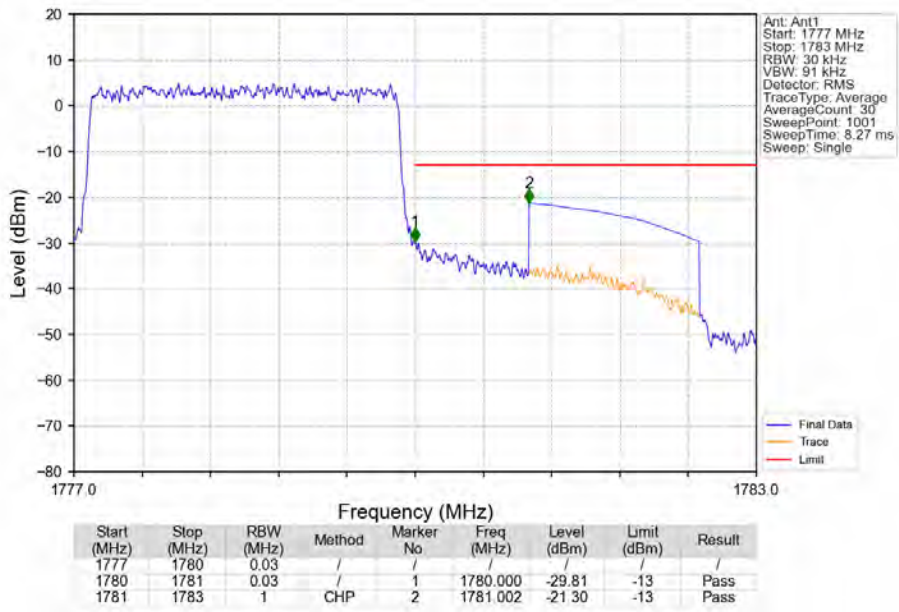
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV



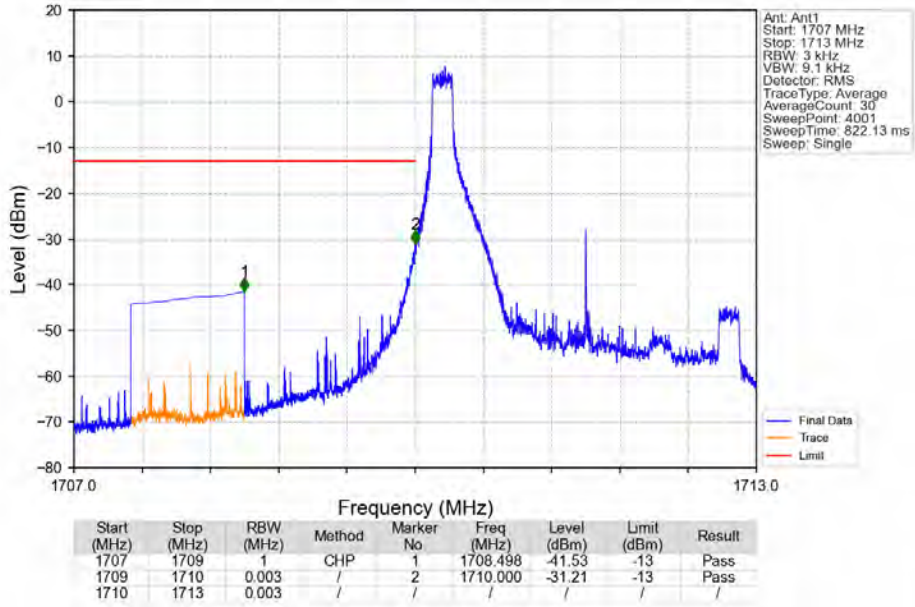
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_14_NTNV



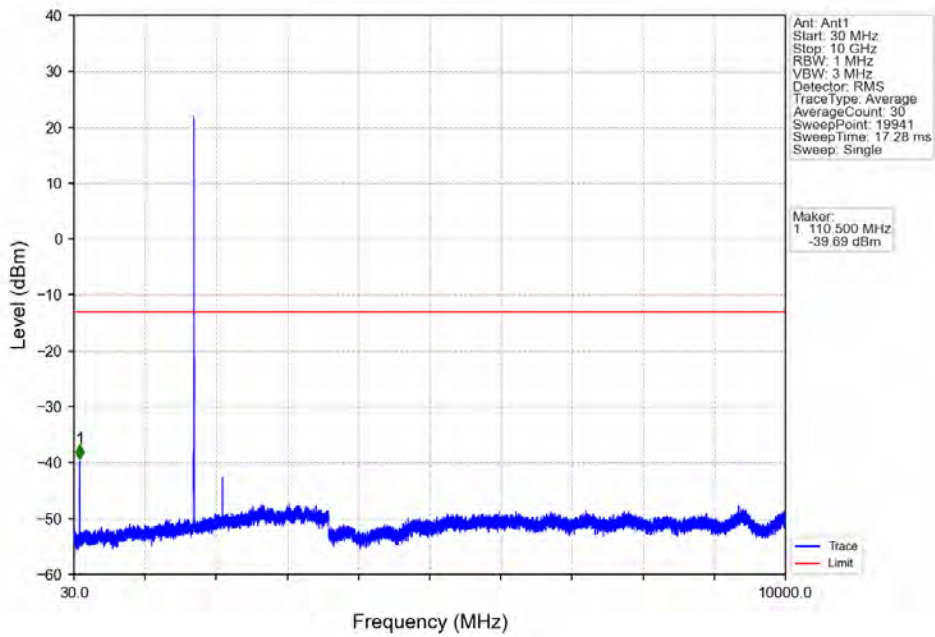
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



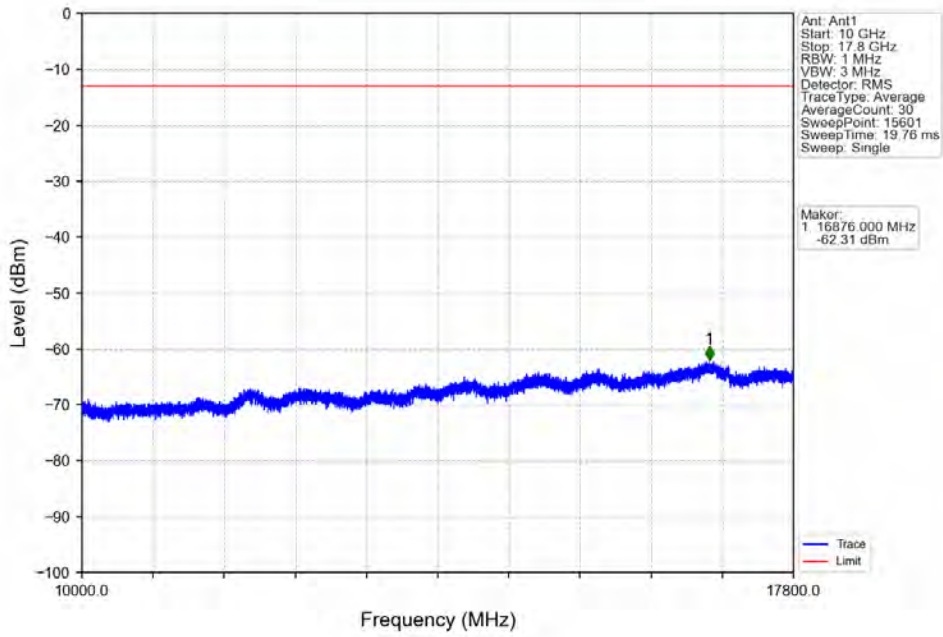
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



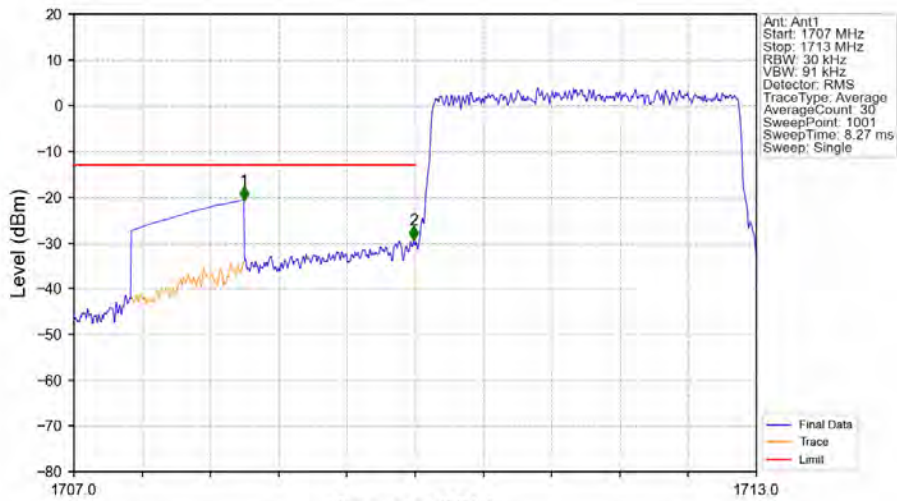
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

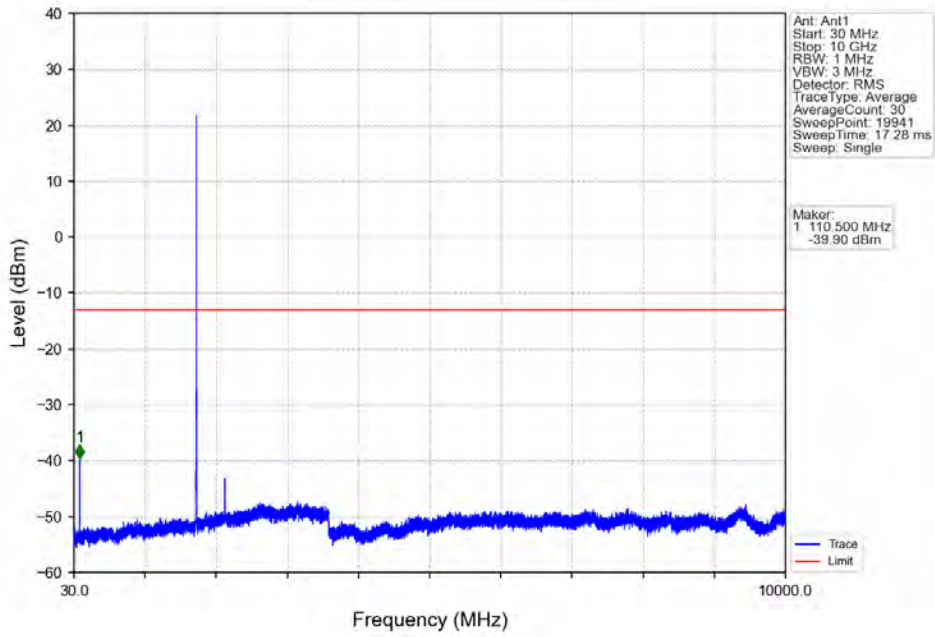


Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

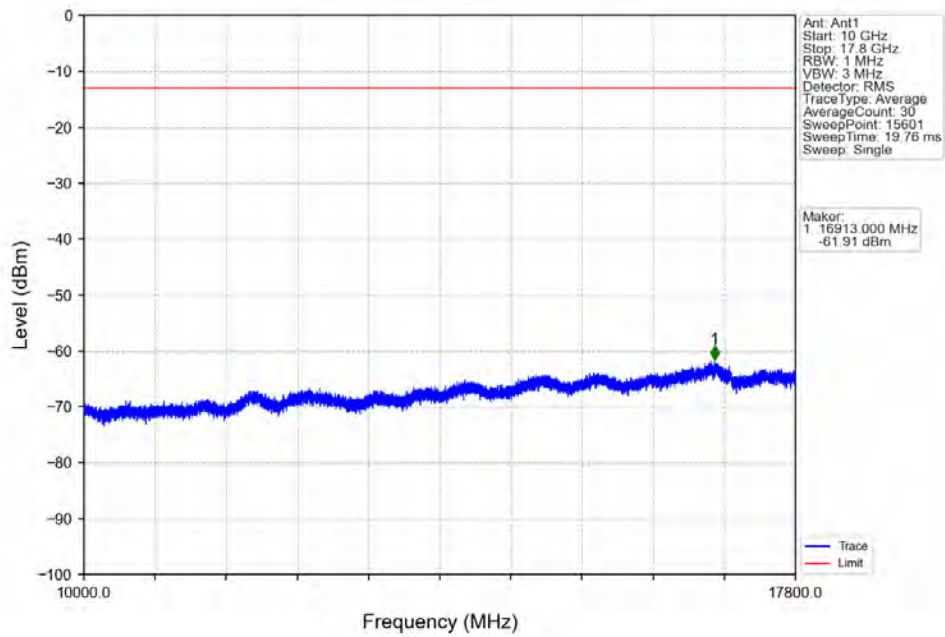


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-20.72	-13	Pass
1709	1710	0.03	/	2	1709.988	-29.35	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

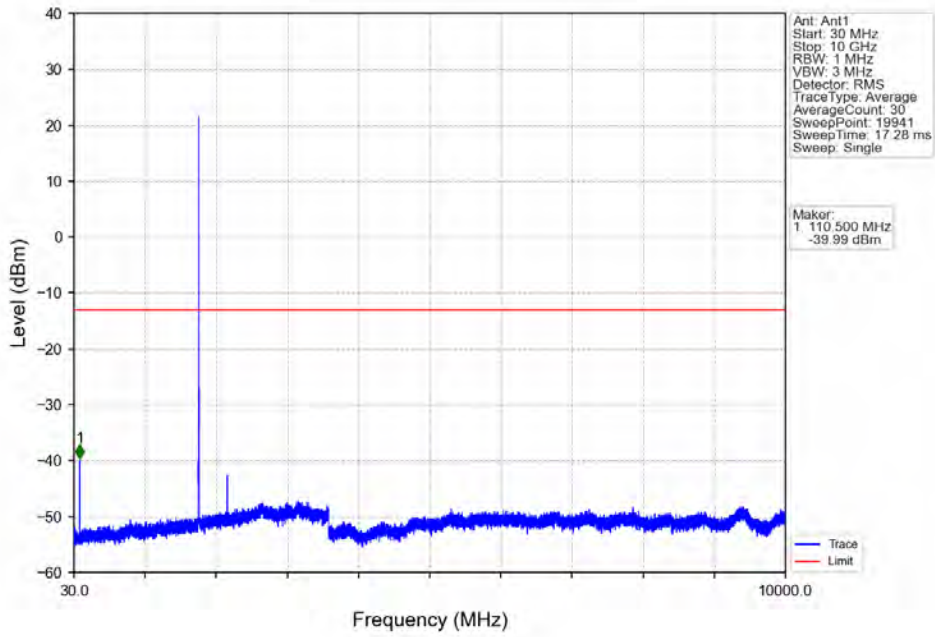
Band66_3MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



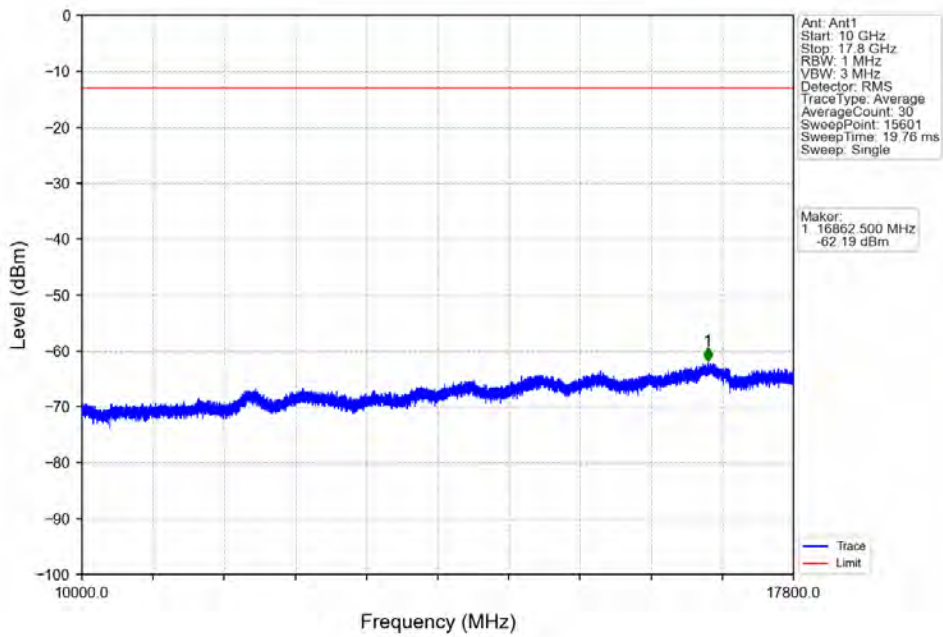
Band66_3MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



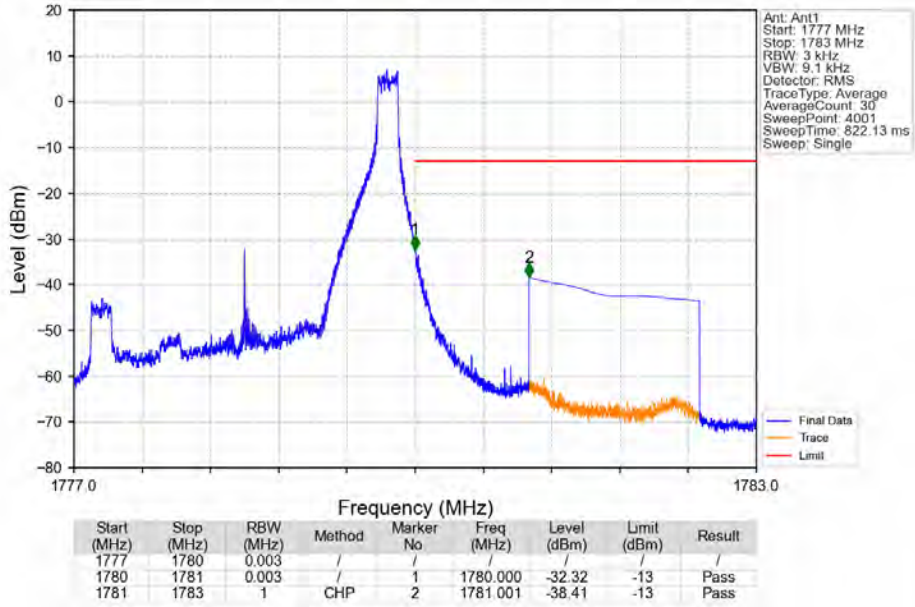
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_0_NTNV



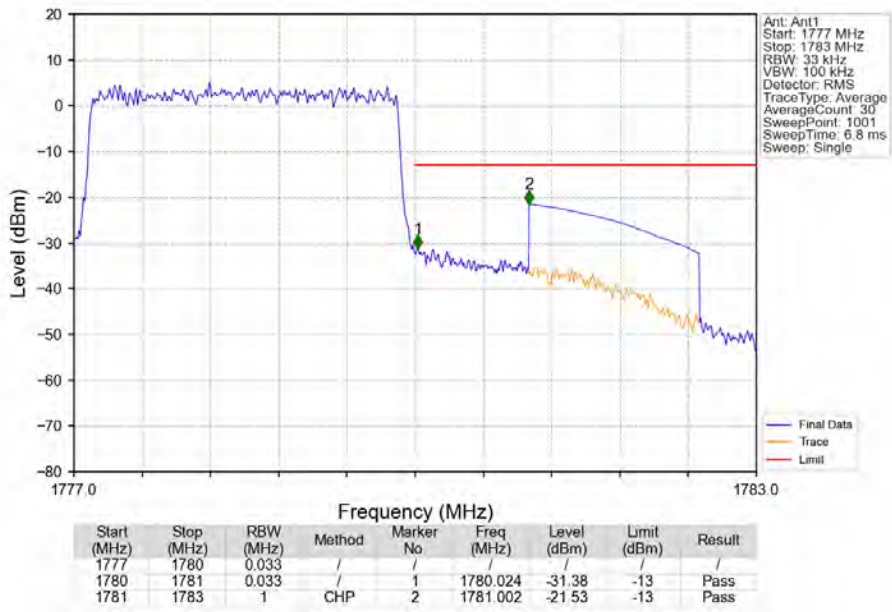
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_0_NTNV



Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_14_NTNV



Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV

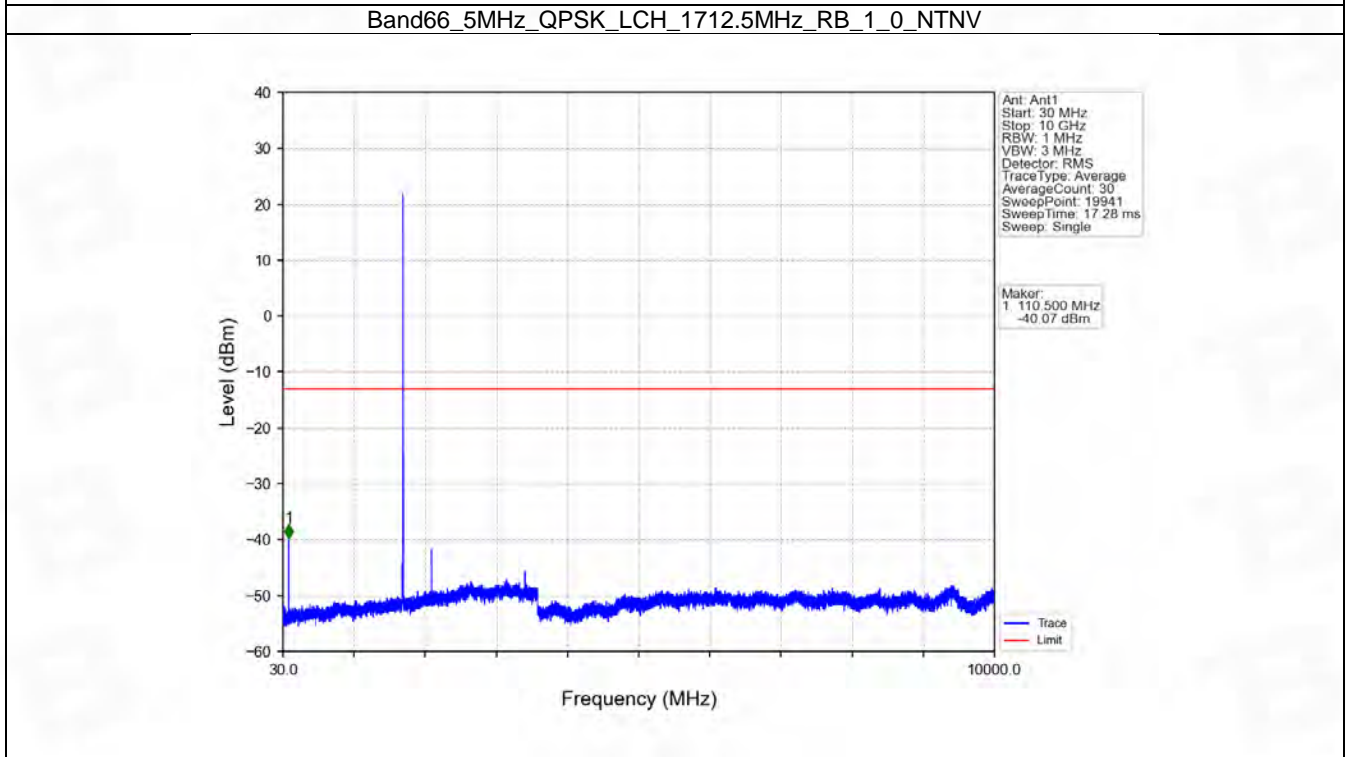
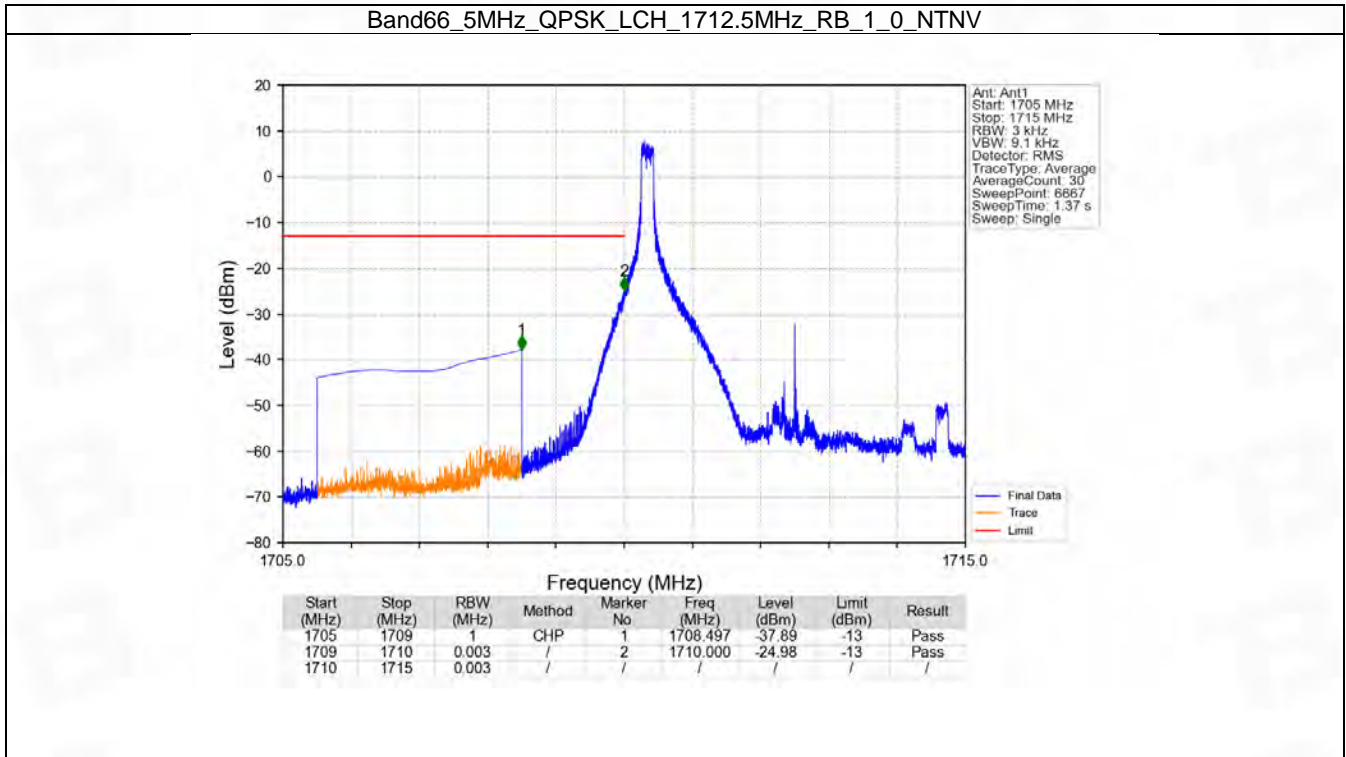


6.3 B66_5MHz

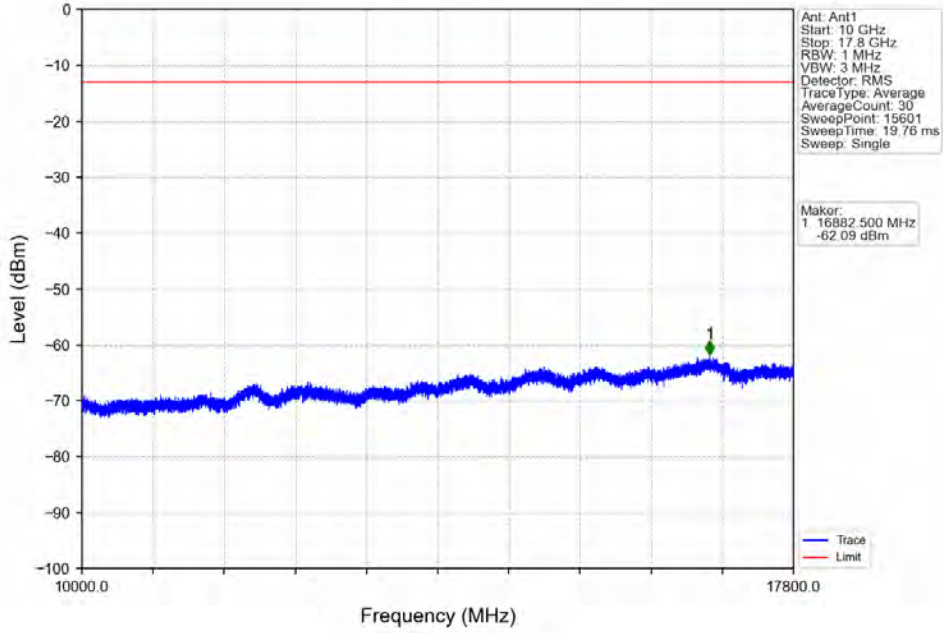
6.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTV						
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
	1745	1	0	Refer To Test Graph		Pass
	1777.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1777.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

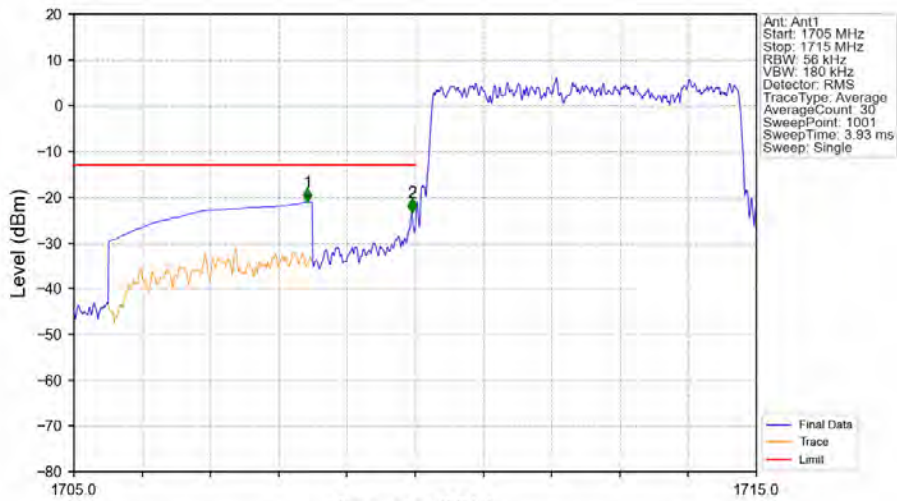
6.3.2 Test Graph



Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

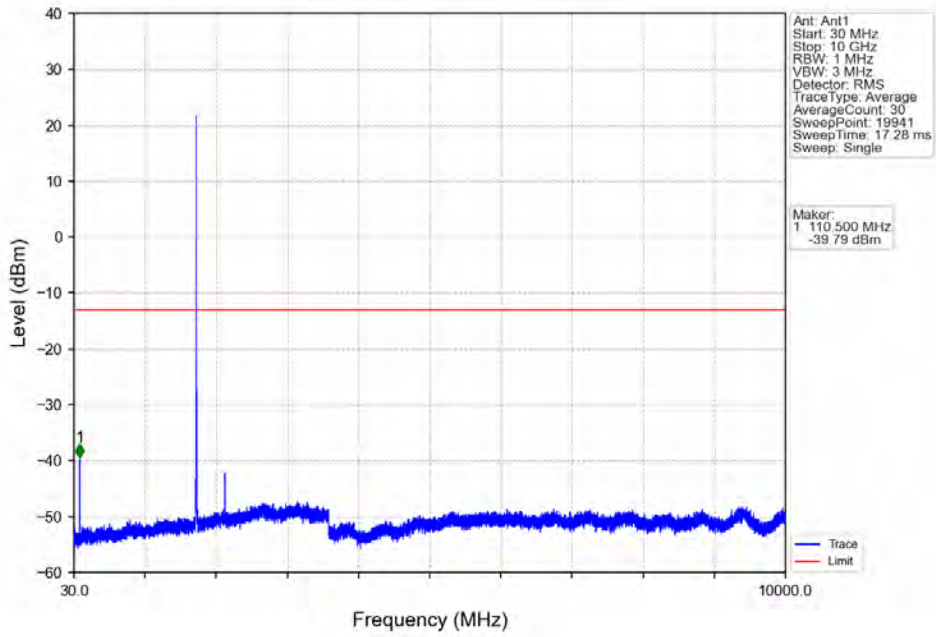


Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

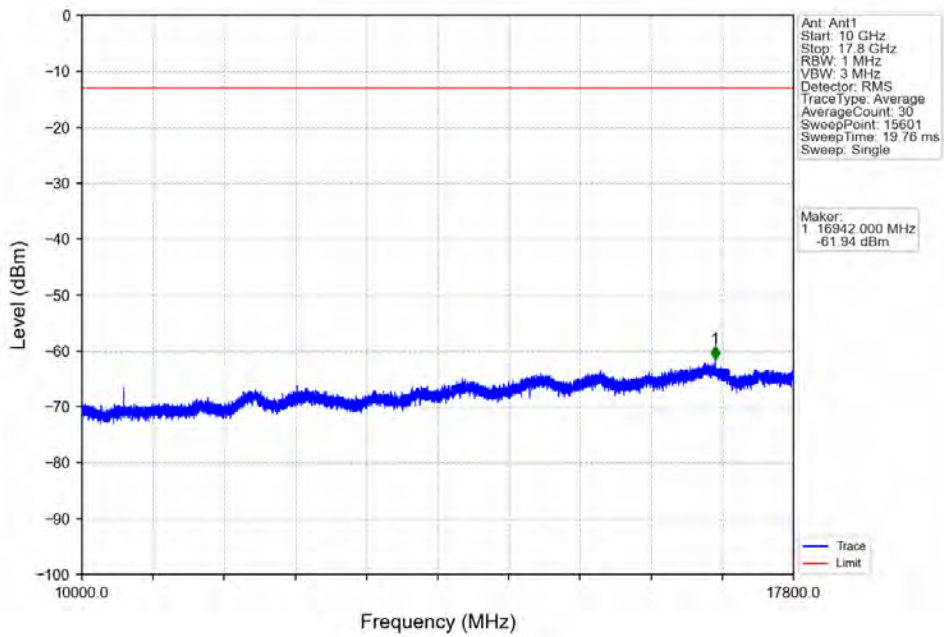


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.420	-21.09	-13	Pass
1709	1710	0.056	/	2	1709.950	-23.41	-13	Pass
1710	1715	0.056	/	/	/	/	/	/

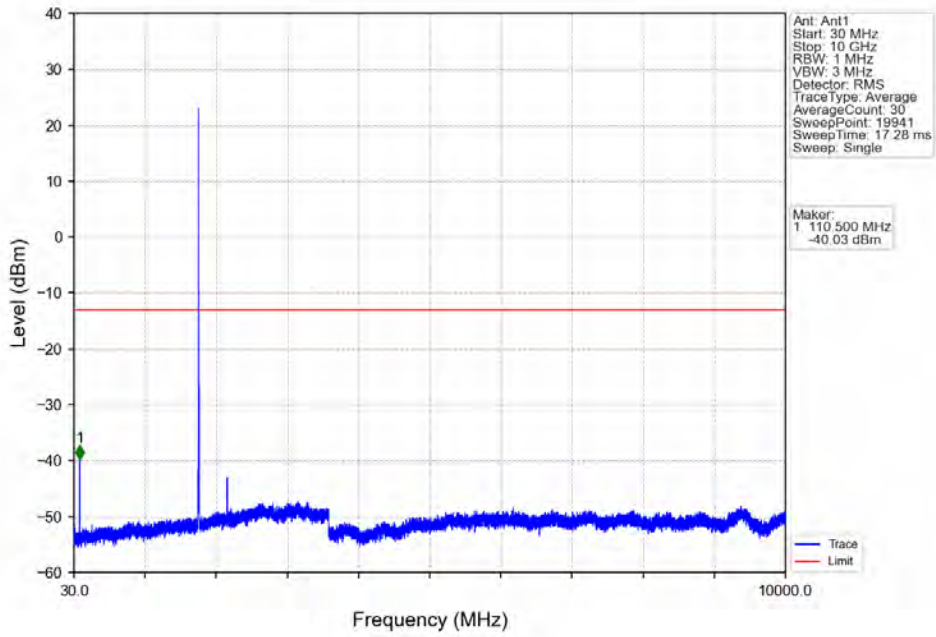
Band66_5MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



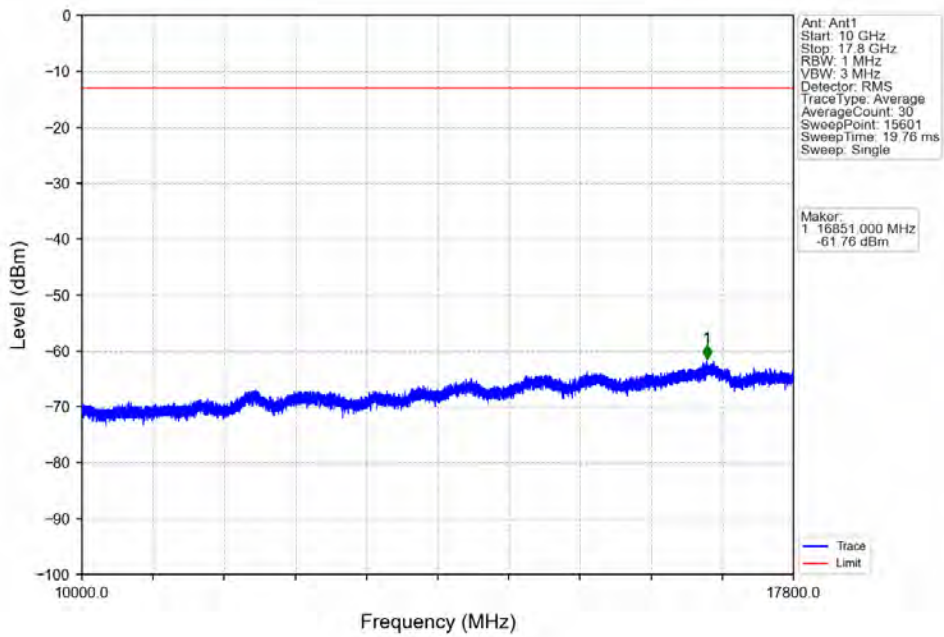
Band66_5MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



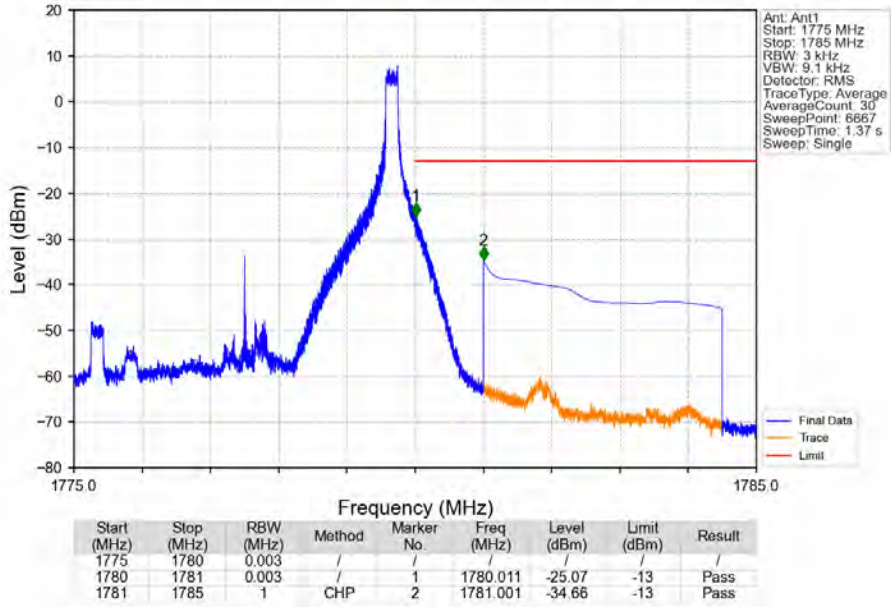
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV



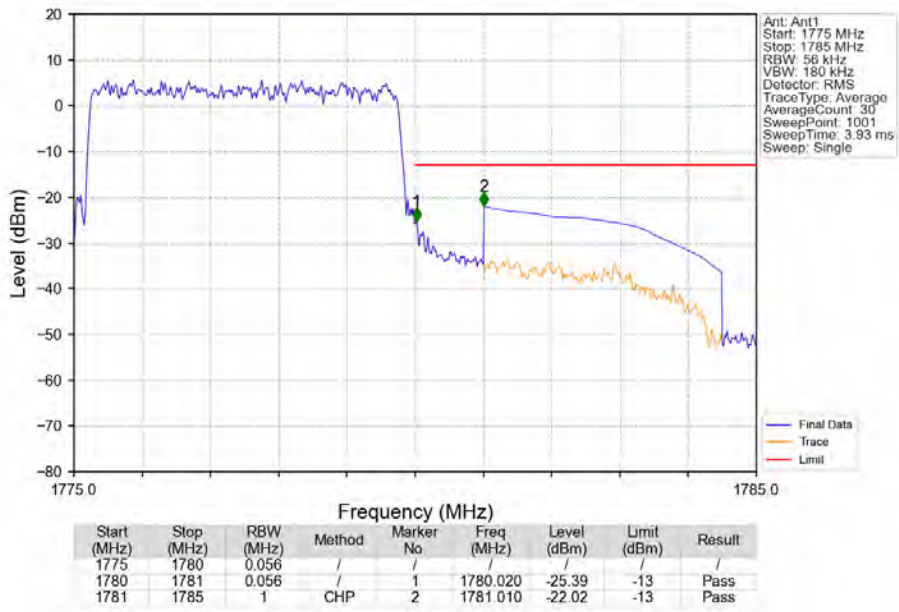
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV



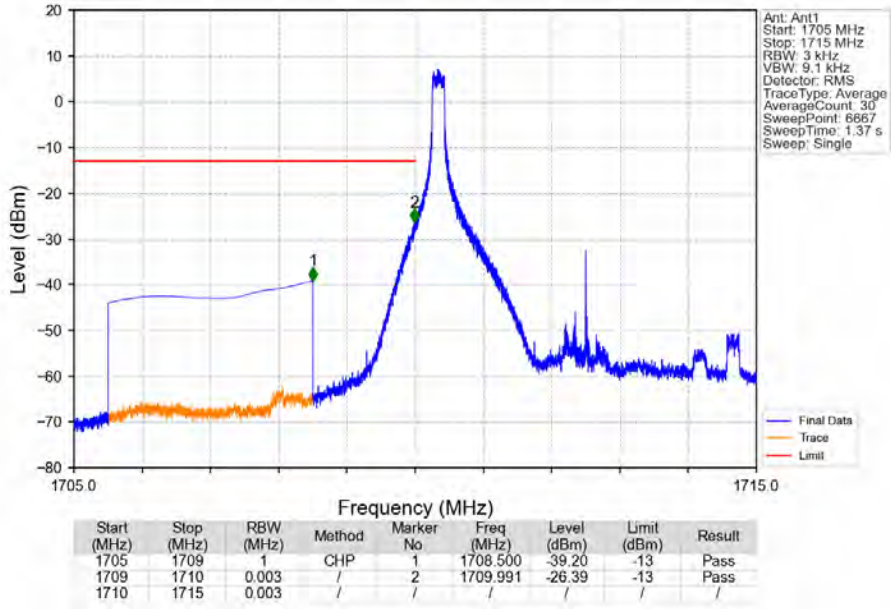
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_24_NTNV



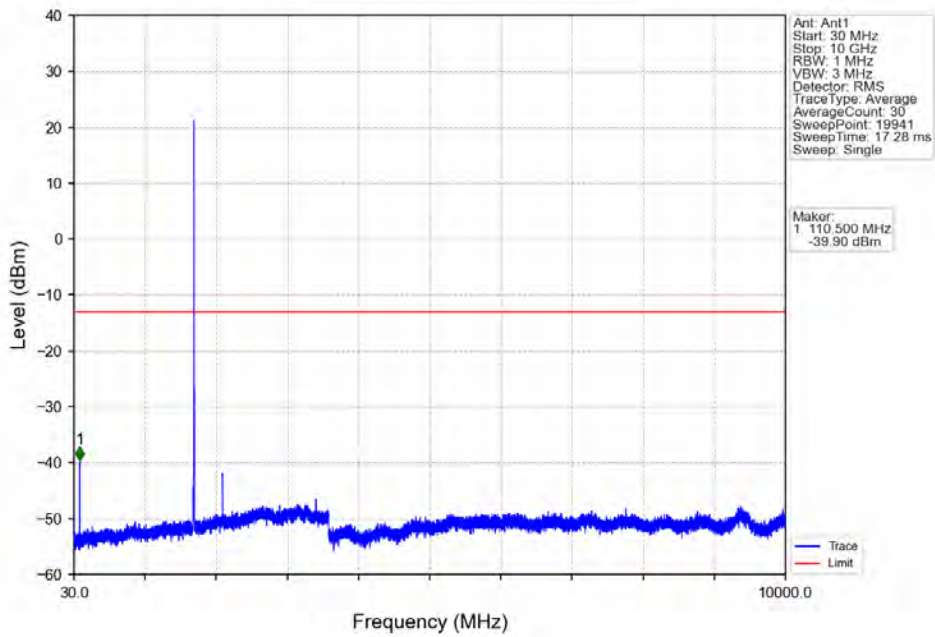
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



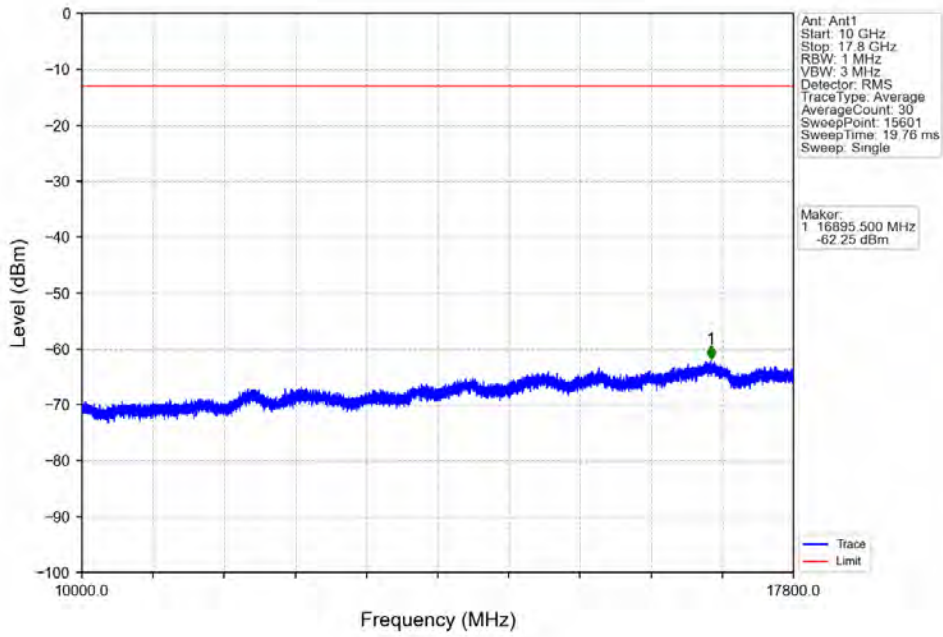
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



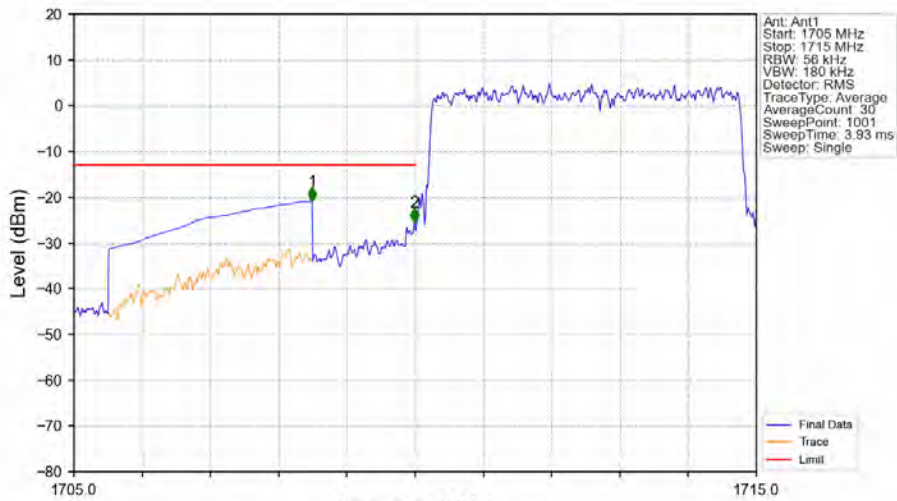
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band66_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

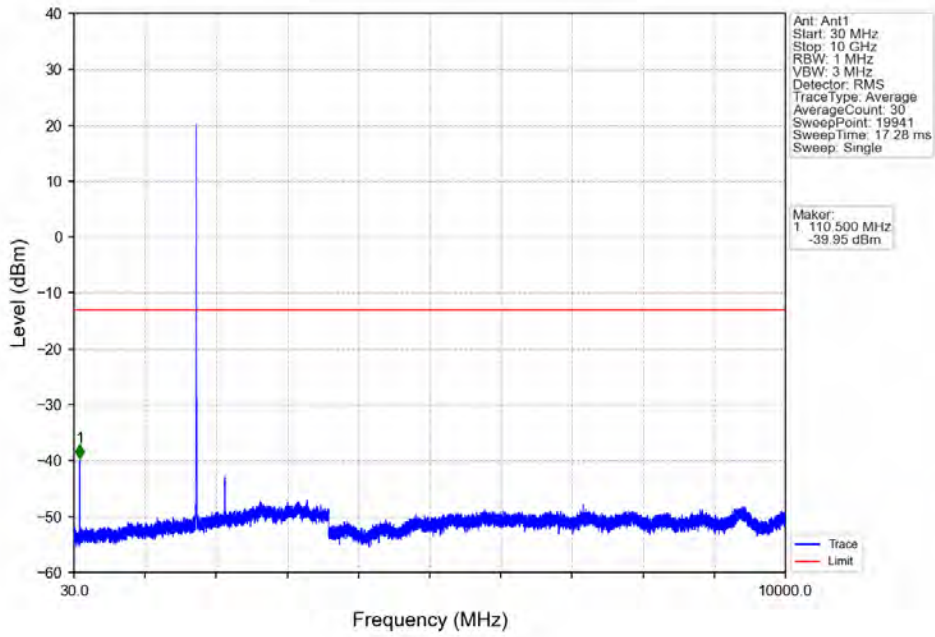


Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

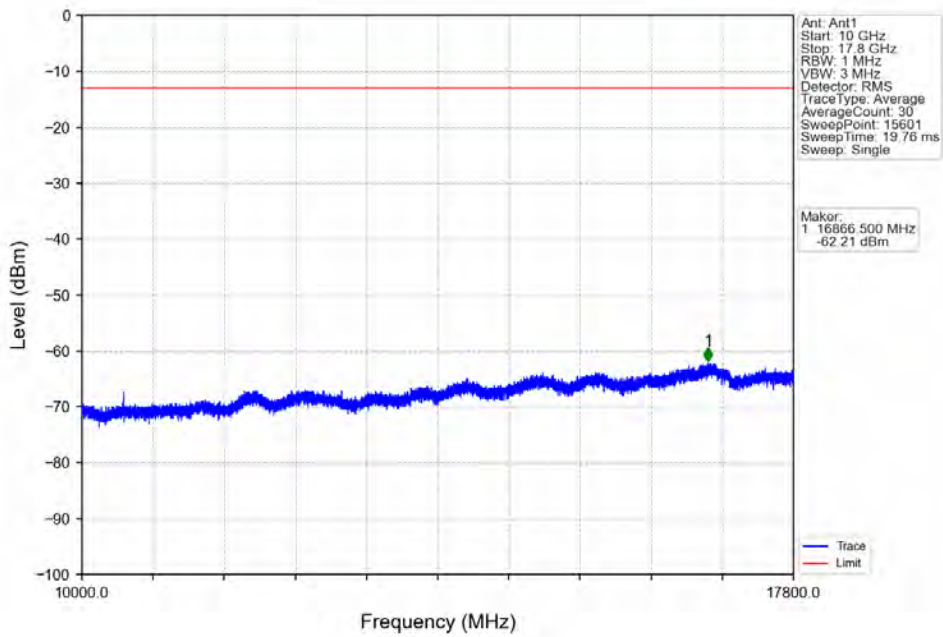


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-20.89	-13	Pass
1709	1710	0.056	/	2	1709.990	-25.55	-13	Pass
1710	1715	0.056	/	/	/	/	/	/

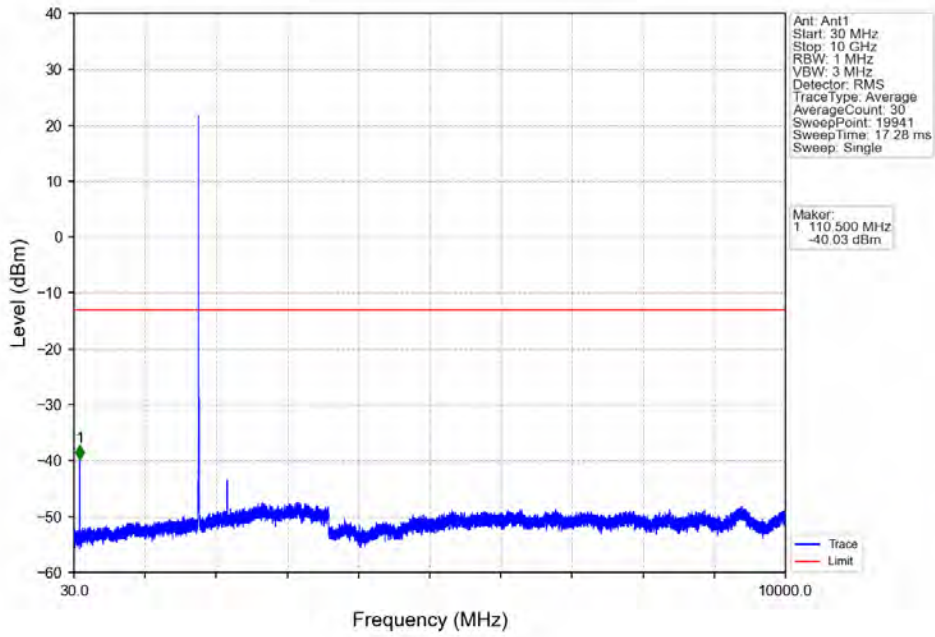
Band66_5MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



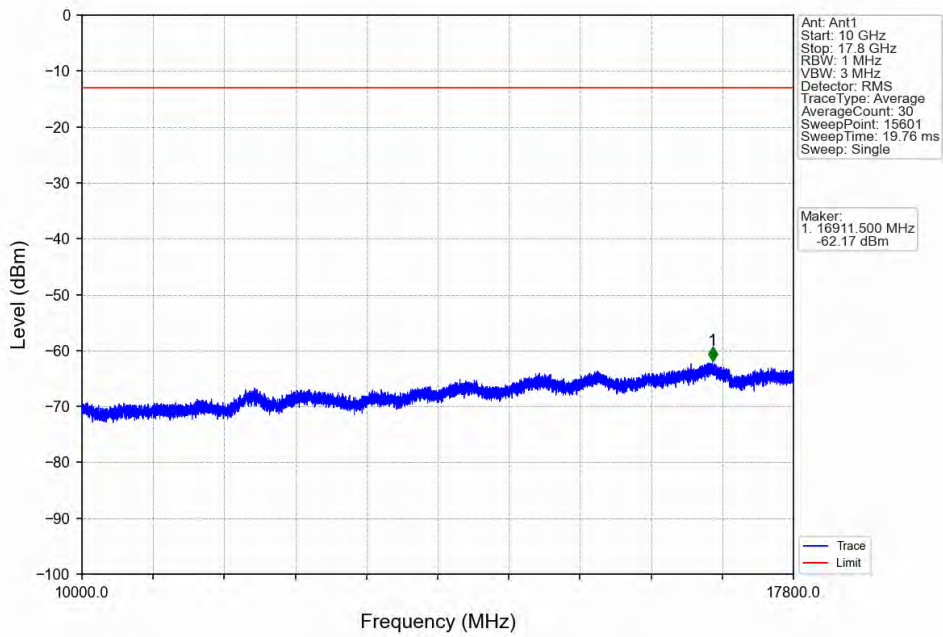
Band66_5MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



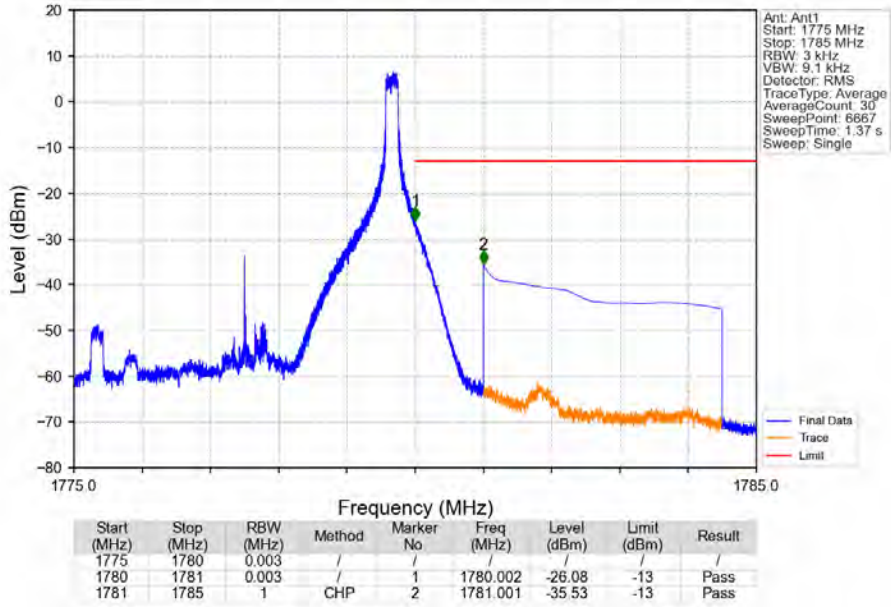
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_1_0_NTNV



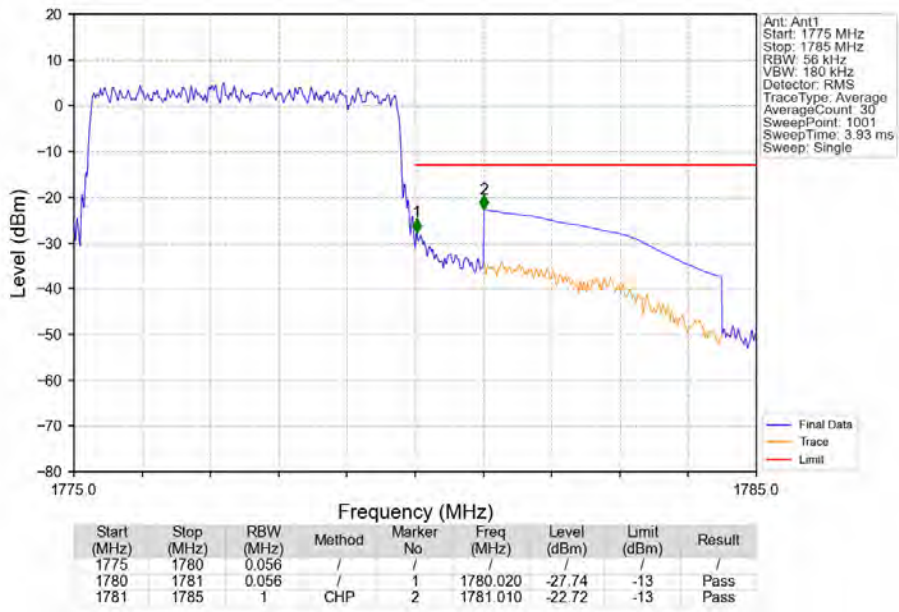
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_1_0_NTNV



Band66_5MHz_16QAM_HCH_1777.5MHz_RB_1_24_NTNV



Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV

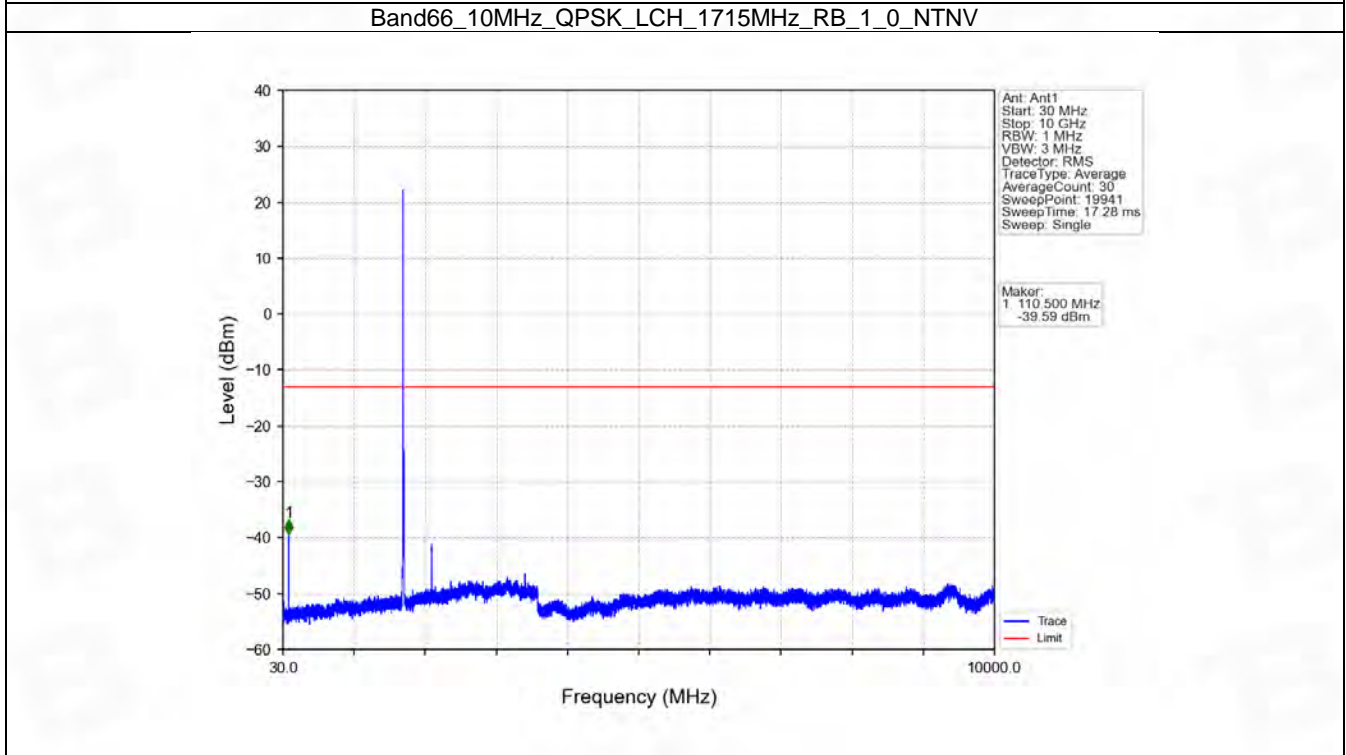
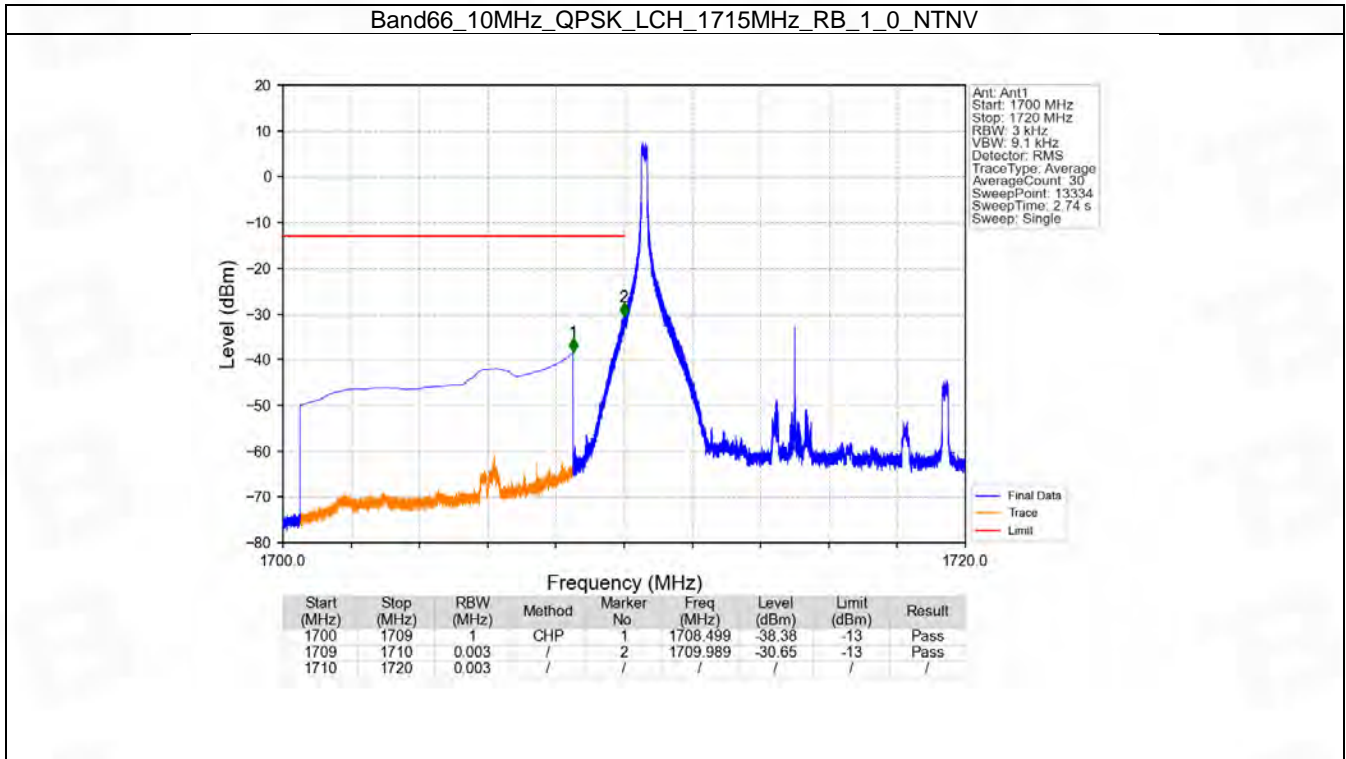


6.4 B66_10MHz

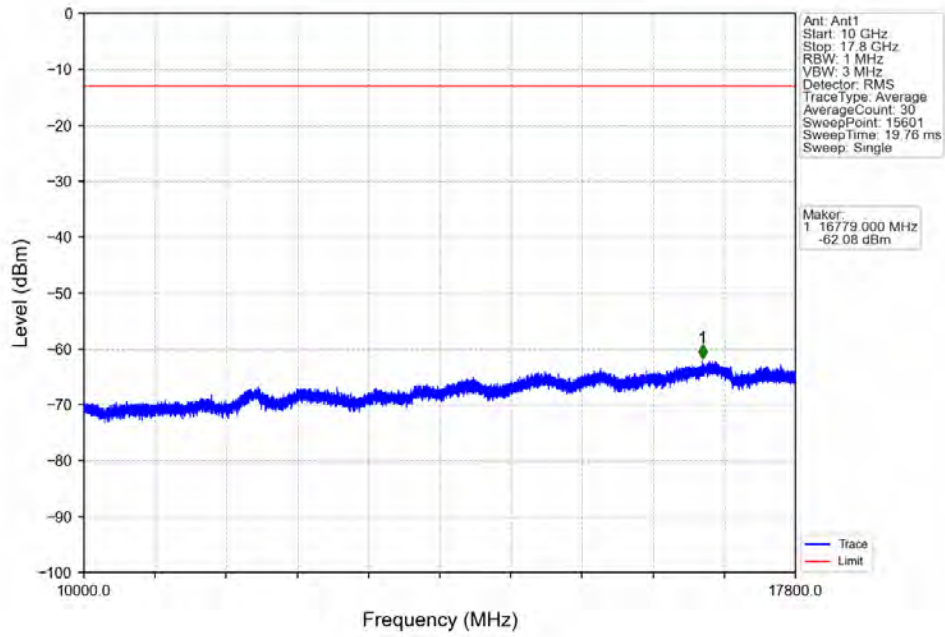
6.4.1 Test Result

Band: 66 / 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
	1775	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1775	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

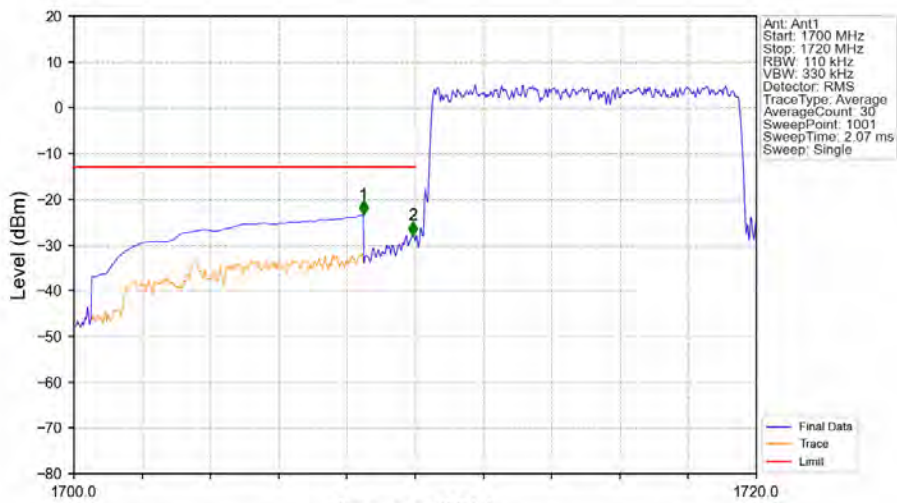
6.4.2 Test Graph



Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

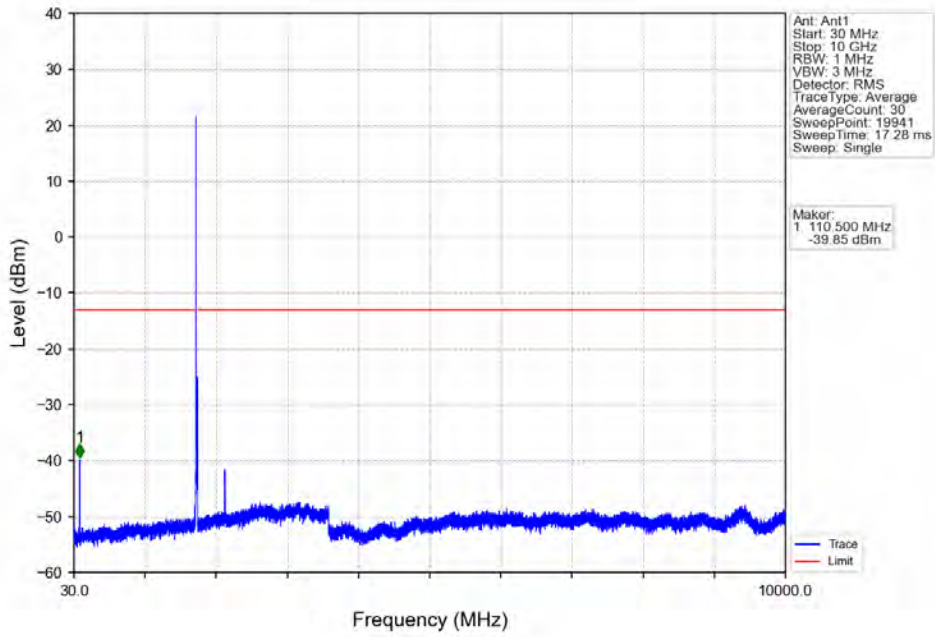


Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

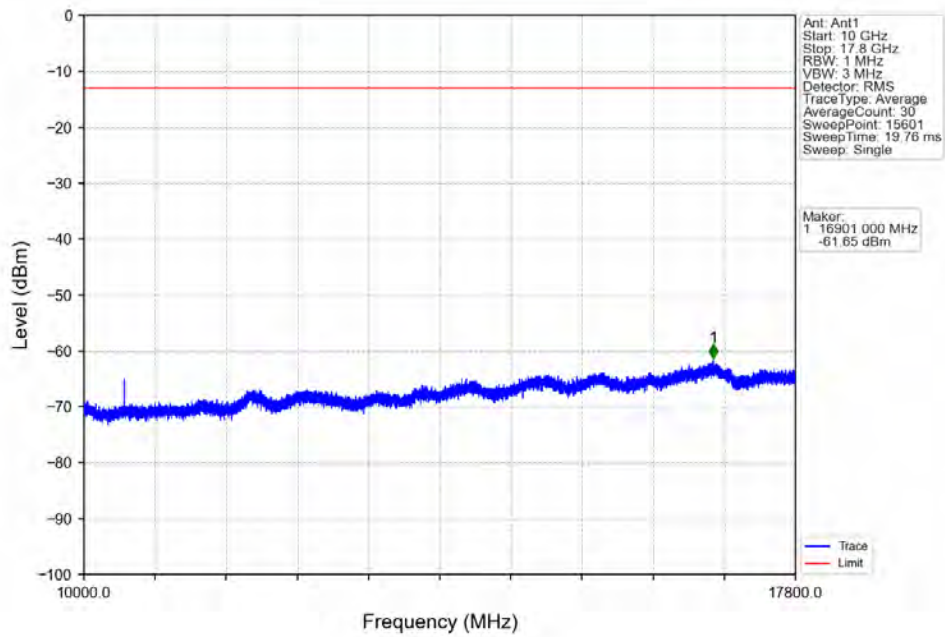


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-23.40	-13	Pass
1709	1710	0.11	/	2	1709.940	-27.89	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

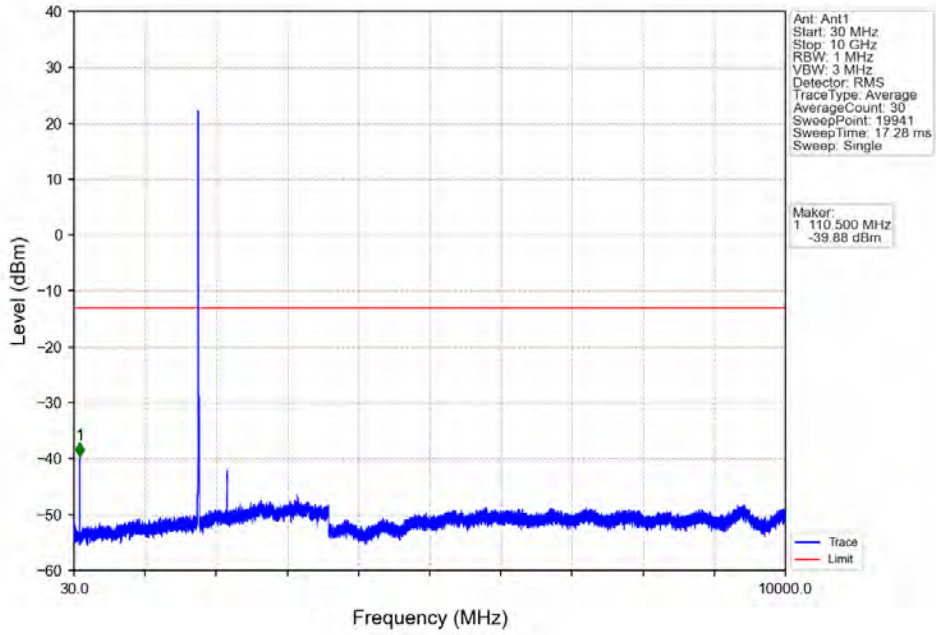
Band66_10MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



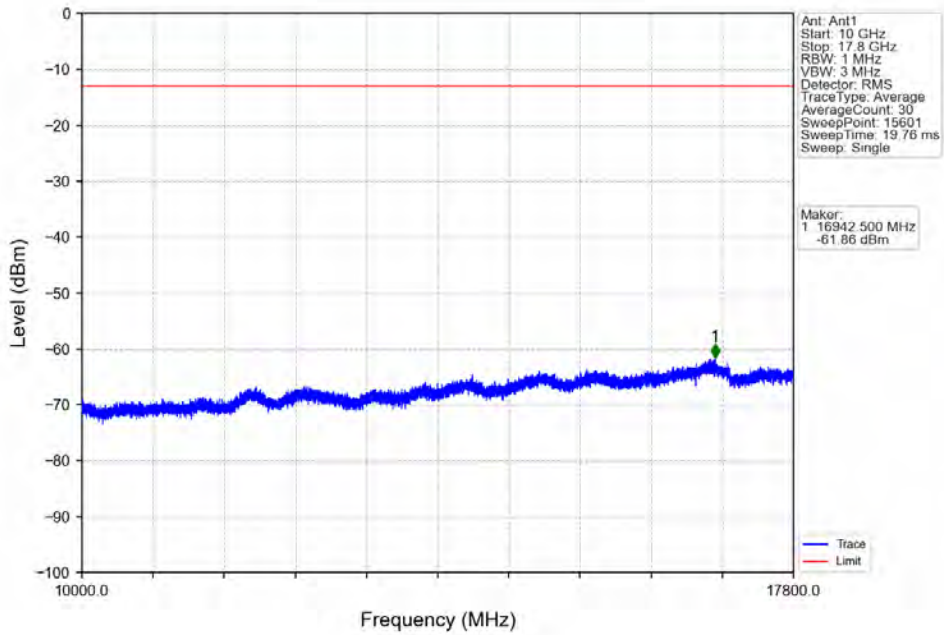
Band66_10MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



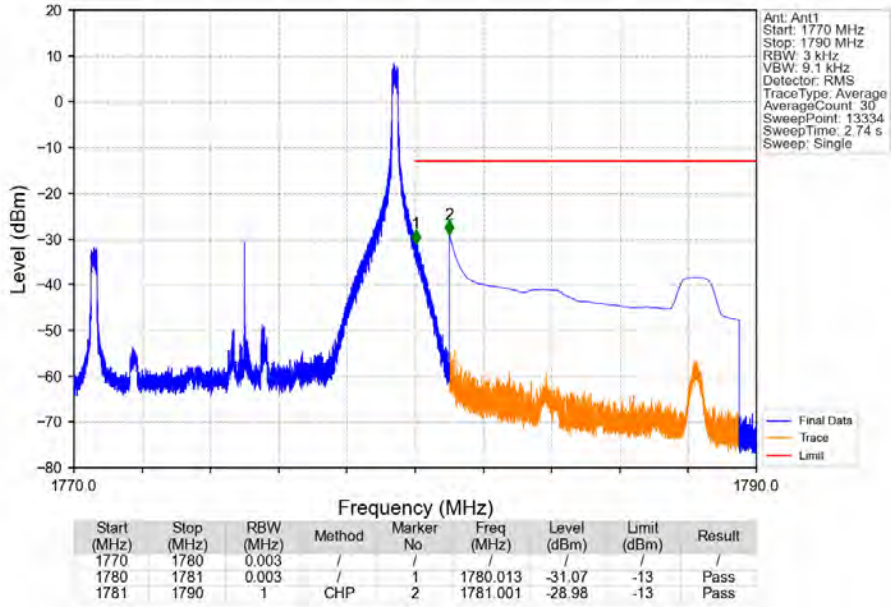
Band66_10MHz_QPSK_HCH_1775MHz_RB_1_0_NTNV



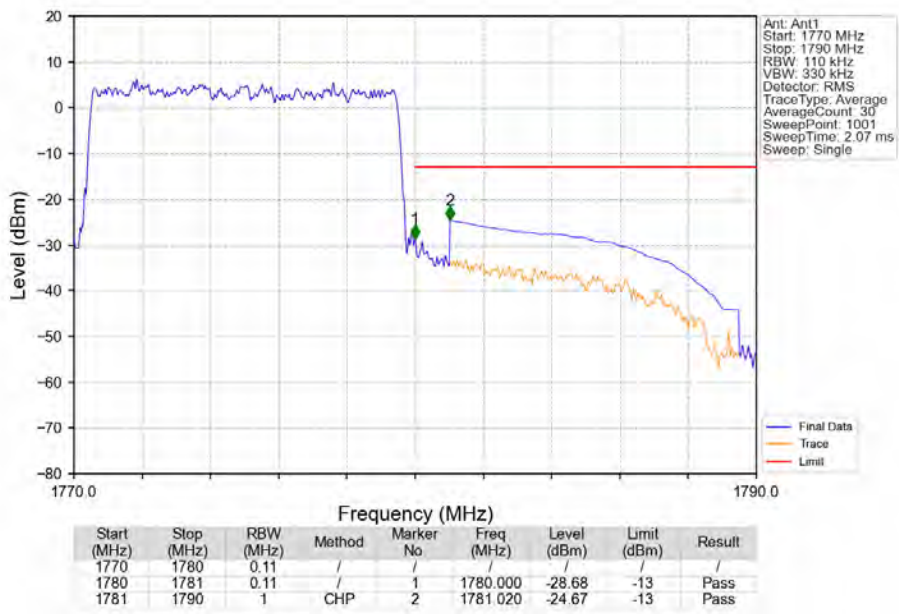
Band66_10MHz_QPSK_HCH_1775MHz_RB_1_0_NTNV



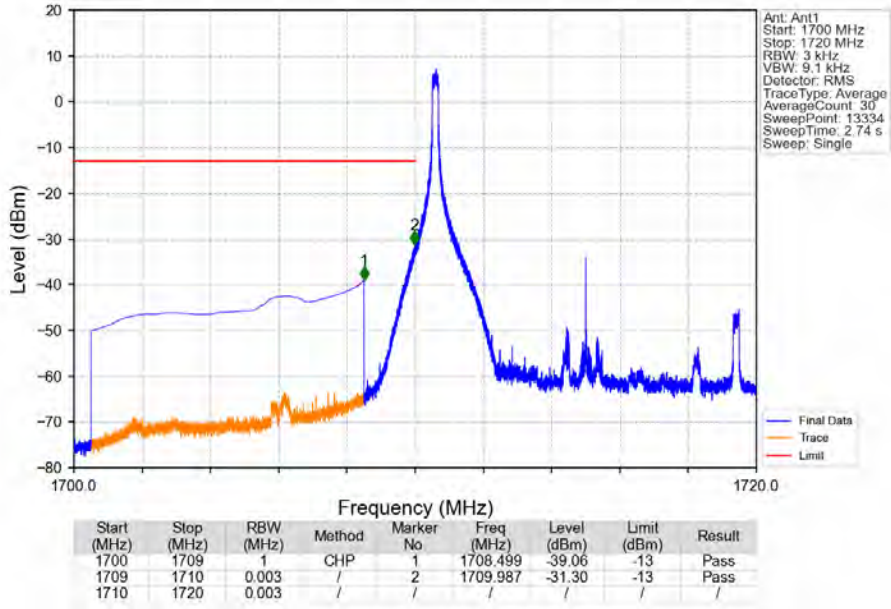
Band66_10MHz_QPSK_HCH_1775MHz_RB_1_49_NTV



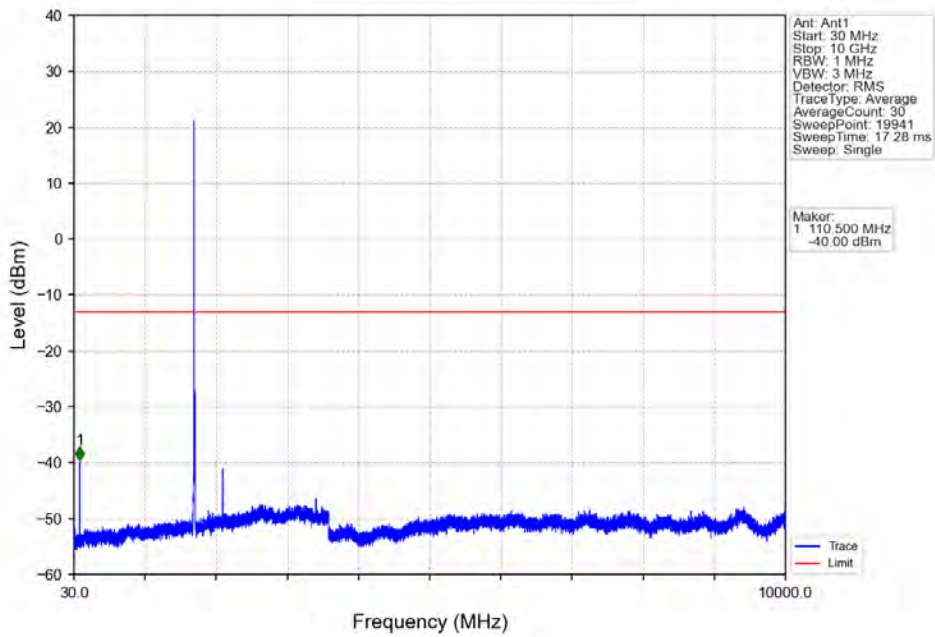
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTV



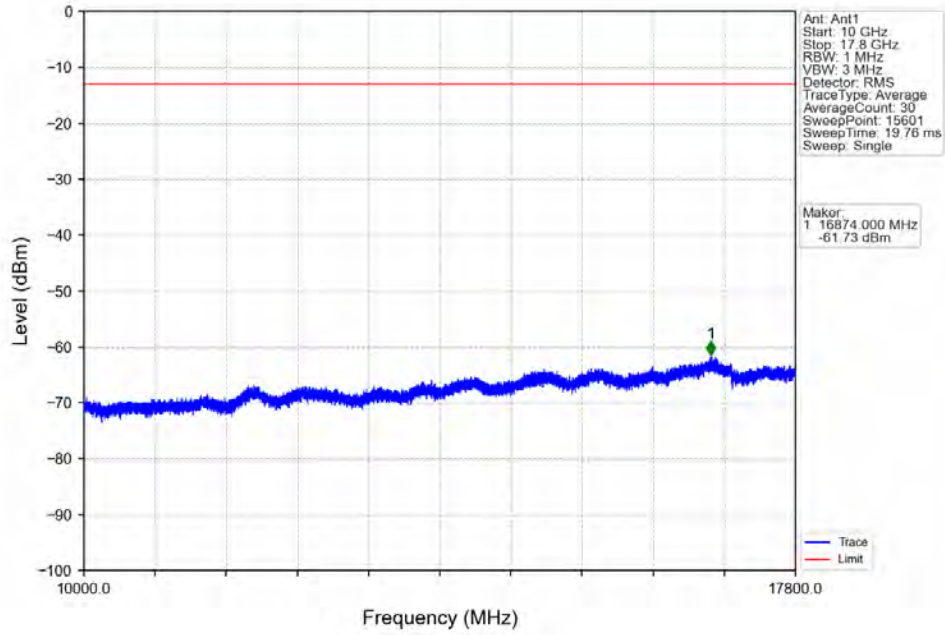
Band66_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



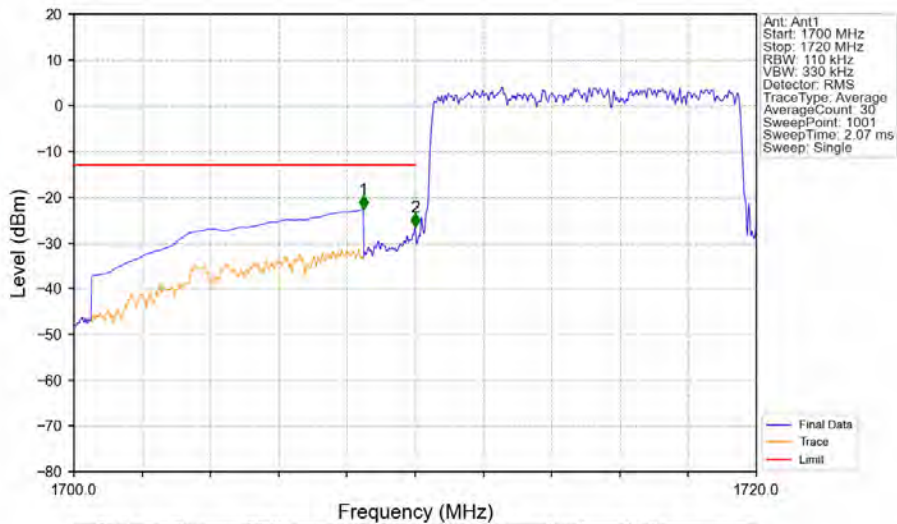
Band66_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band66_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

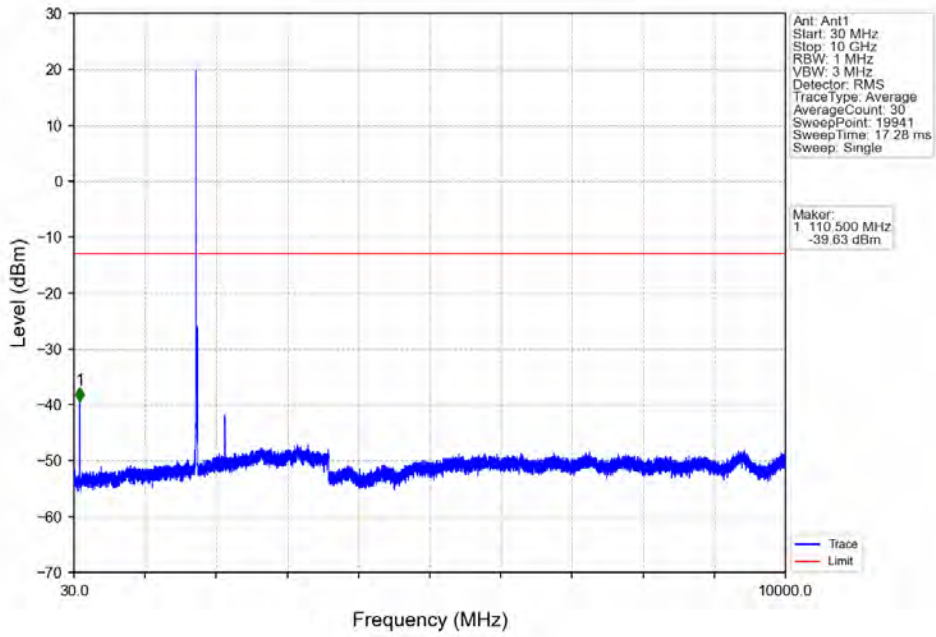


Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

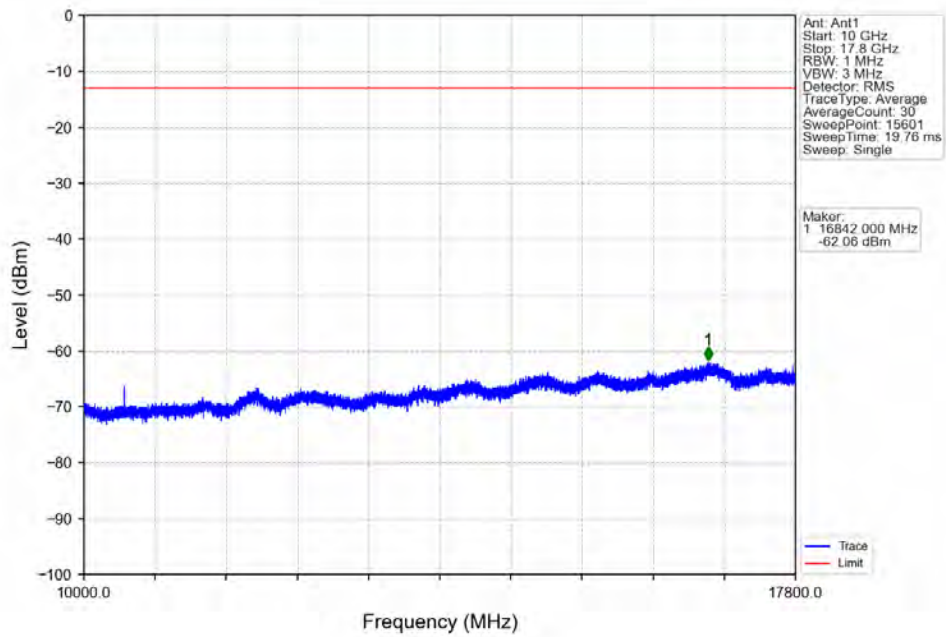


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-22.65	-13	Pass
1709	1710	0.11	/	2	1710.000	-26.62	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

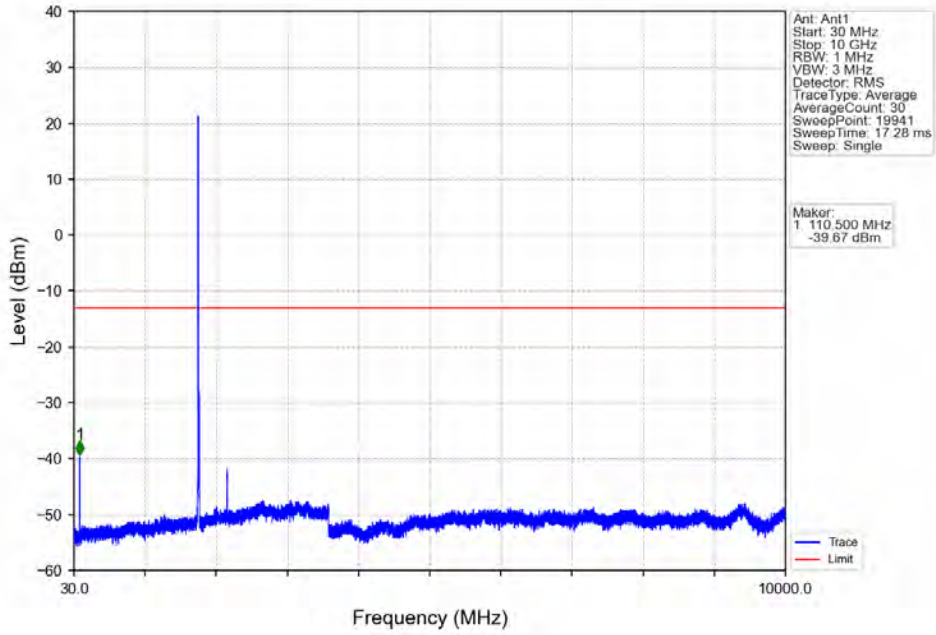
Band66_10MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



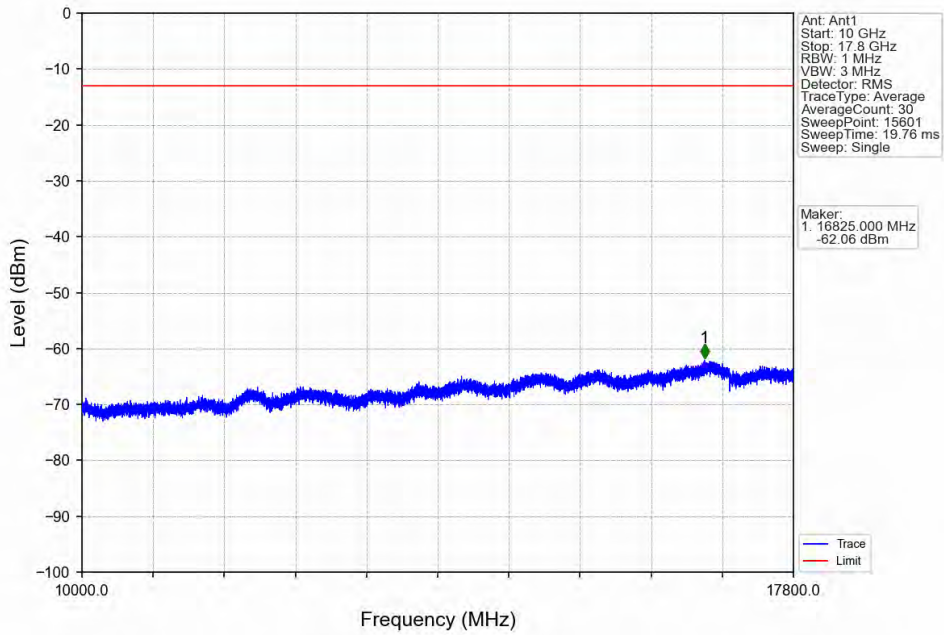
Band66_10MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



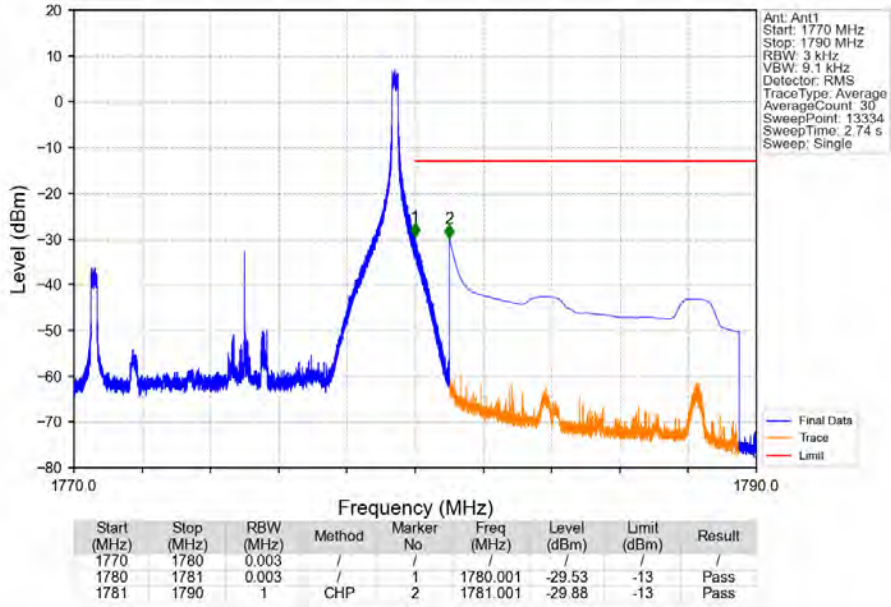
Band66_10MHz_16QAM_HCH_1775MHz_RB_1_0_NTV



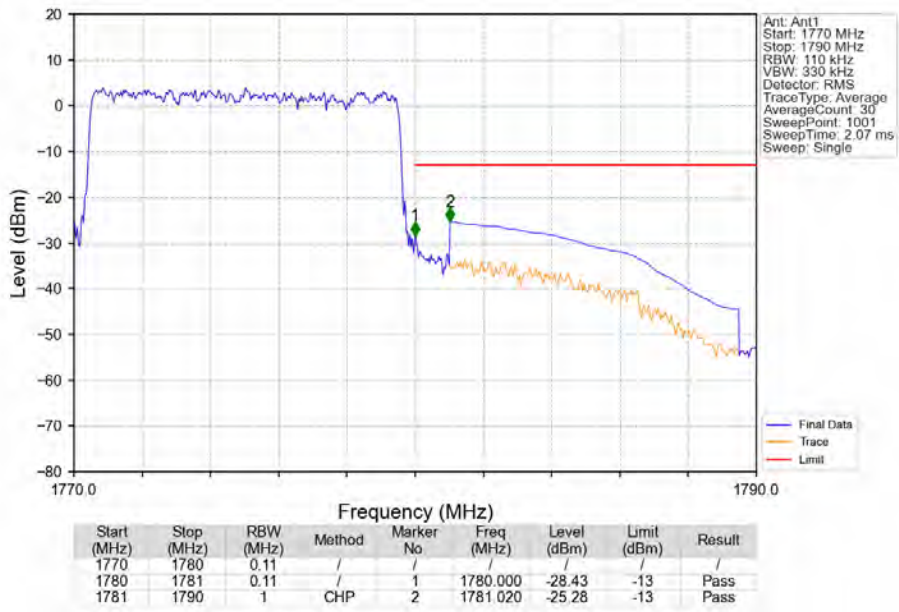
Band66_10MHz_16QAM_HCH_1775MHz_RB_1_0_NTV



Band66_10MHz_16QAM_HCH_1775MHz_RB_1_49_NTNV



Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV

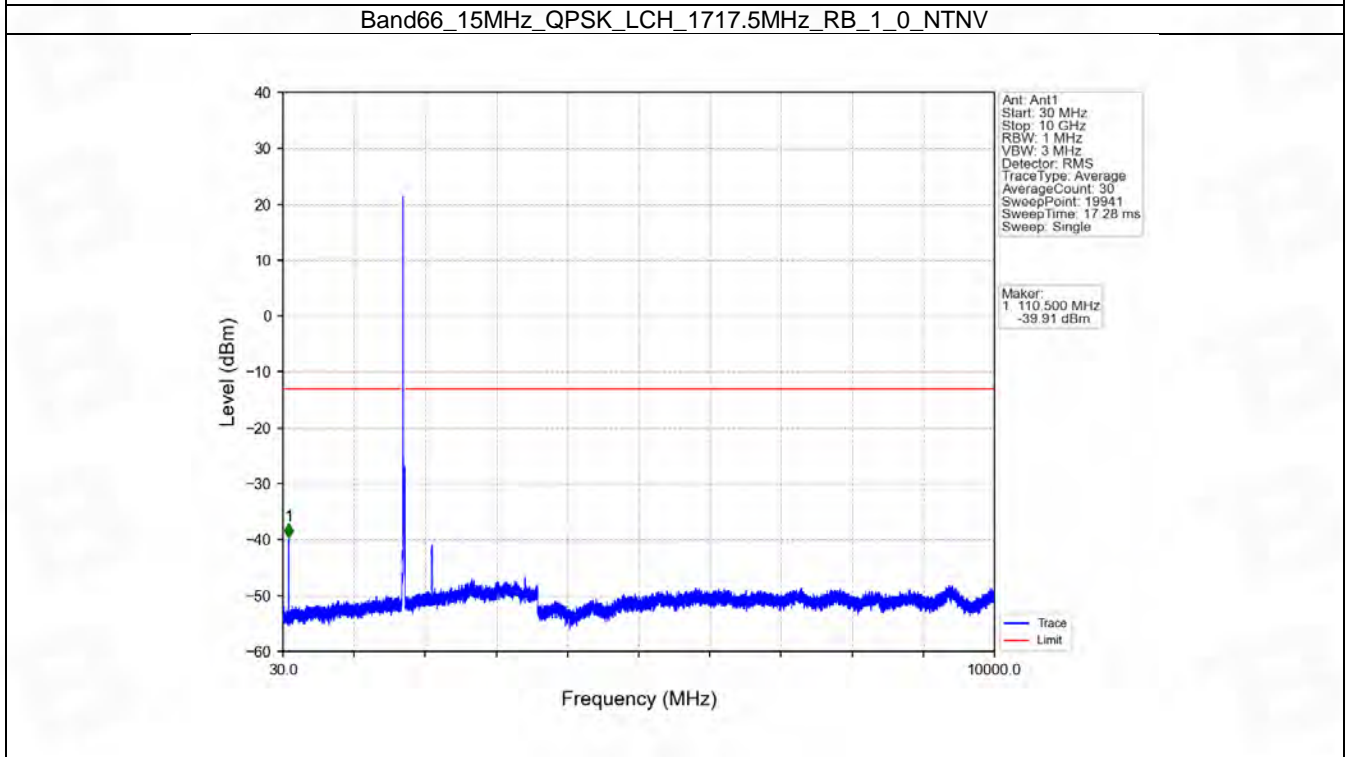
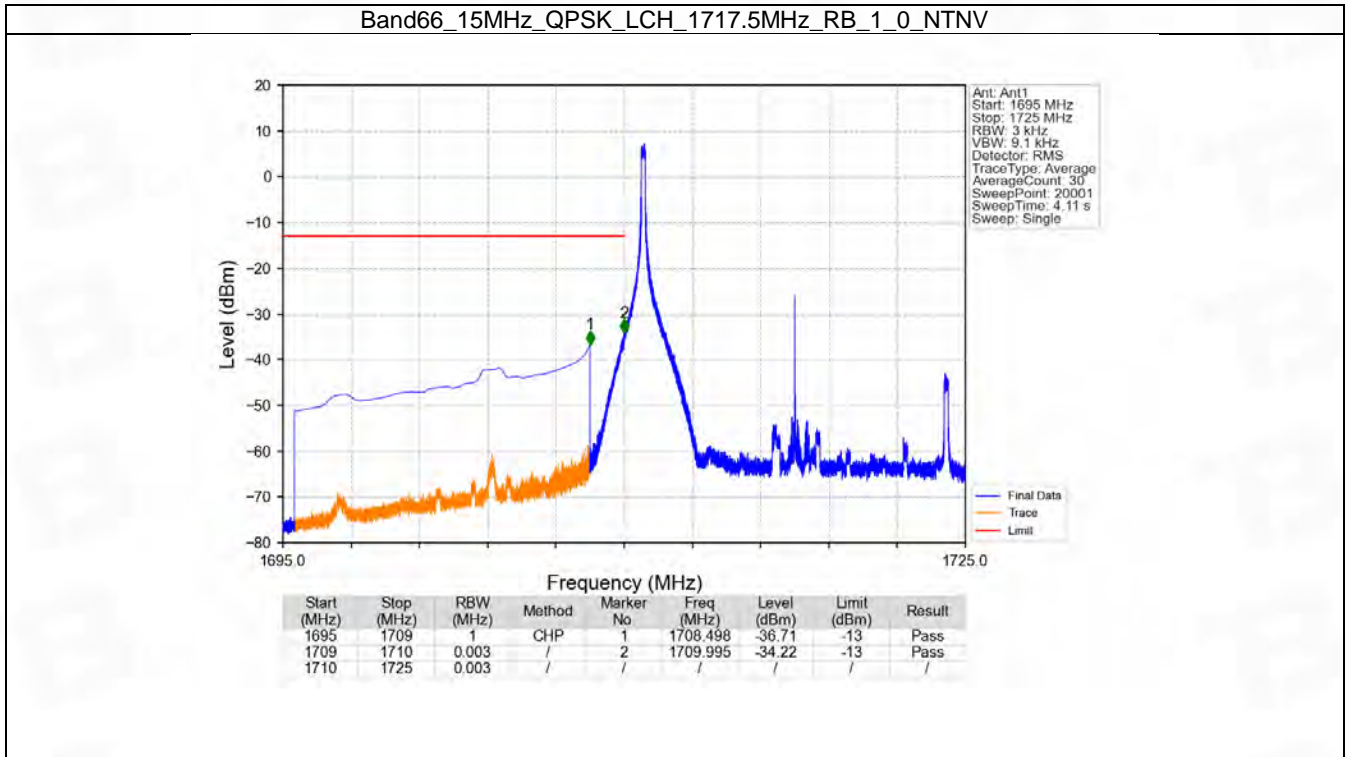


6.5 B66_15MHz

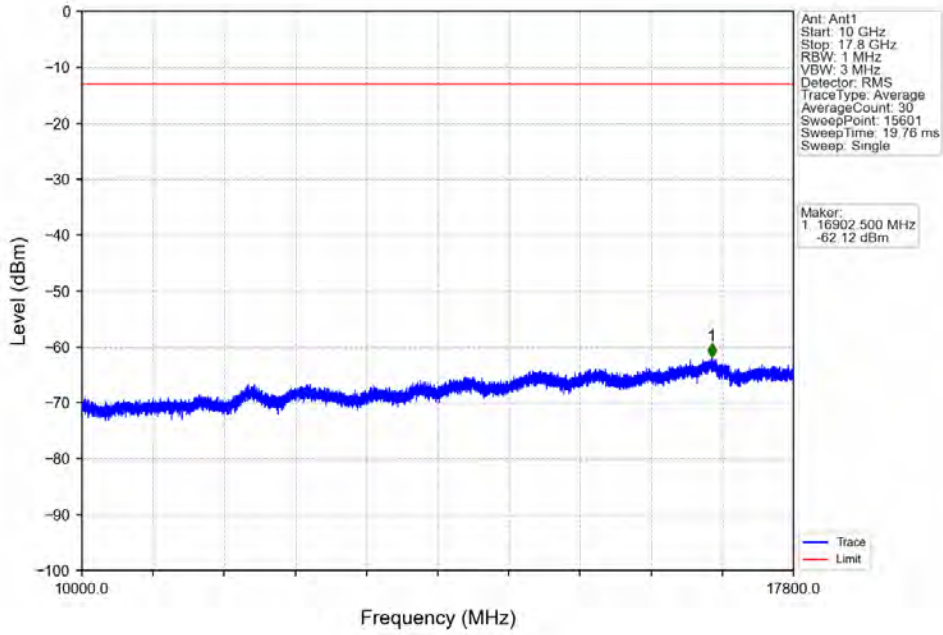
6.5.1 Test Result

Band: 66 / 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
	1745	1	0	Refer To Test Graph		Pass
	1772.5	1	0	Refer To Test Graph		Pass
			74	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
	1745	1	0	Refer To Test Graph		Pass
	1772.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

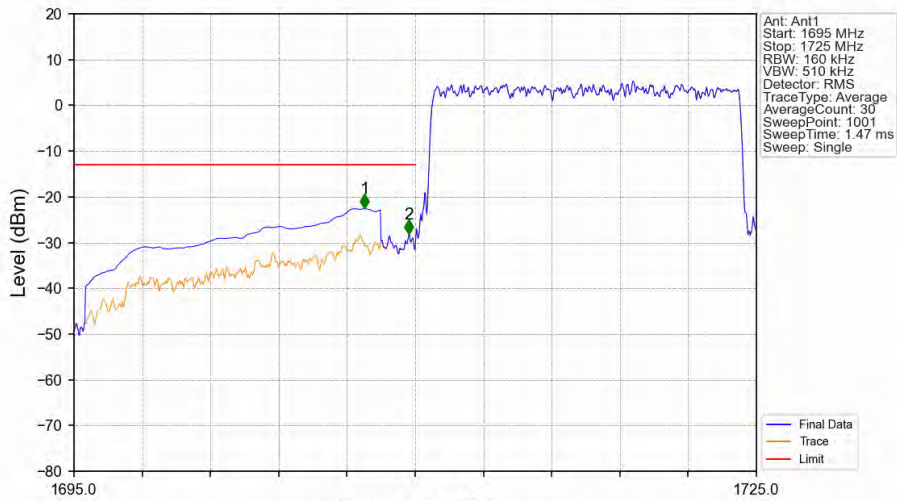
6.5.2 Test Graph



Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

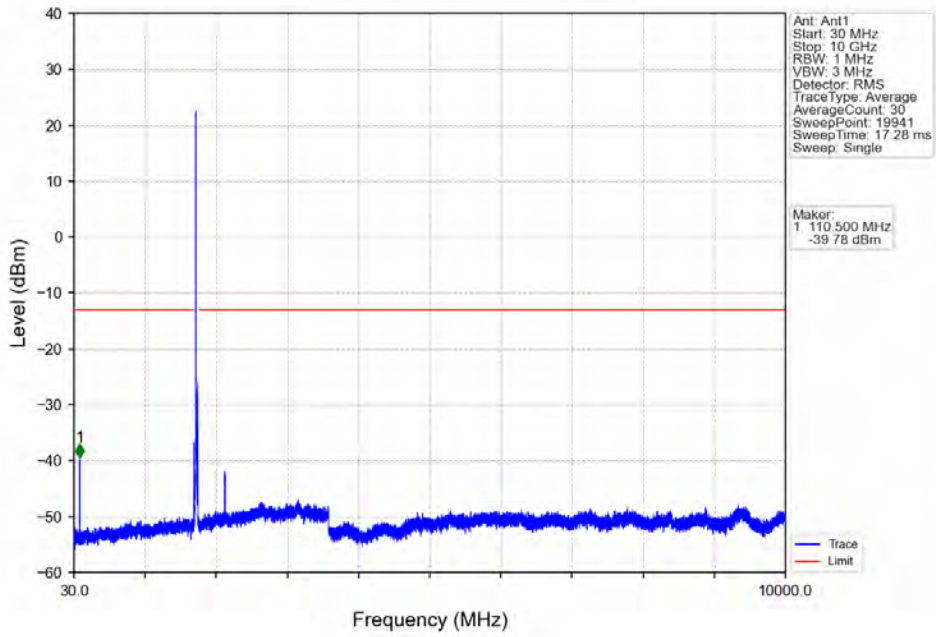


Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

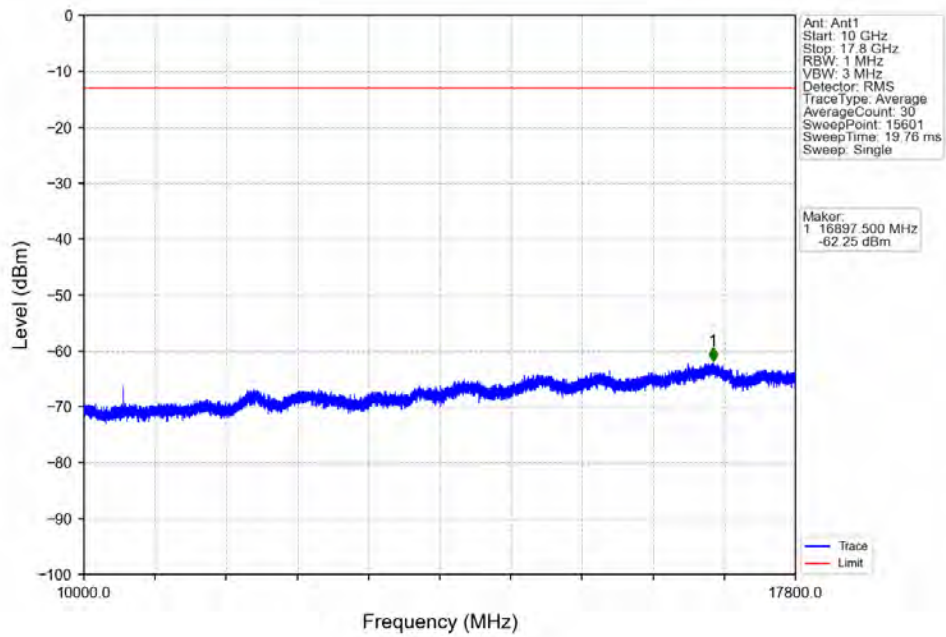


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.780	-22.58	-13	Pass
1709	1710	0.16	/	2	1709.730	-28.12	-13	Pass
1710	1725	0.16	/	/	/	/	/	/

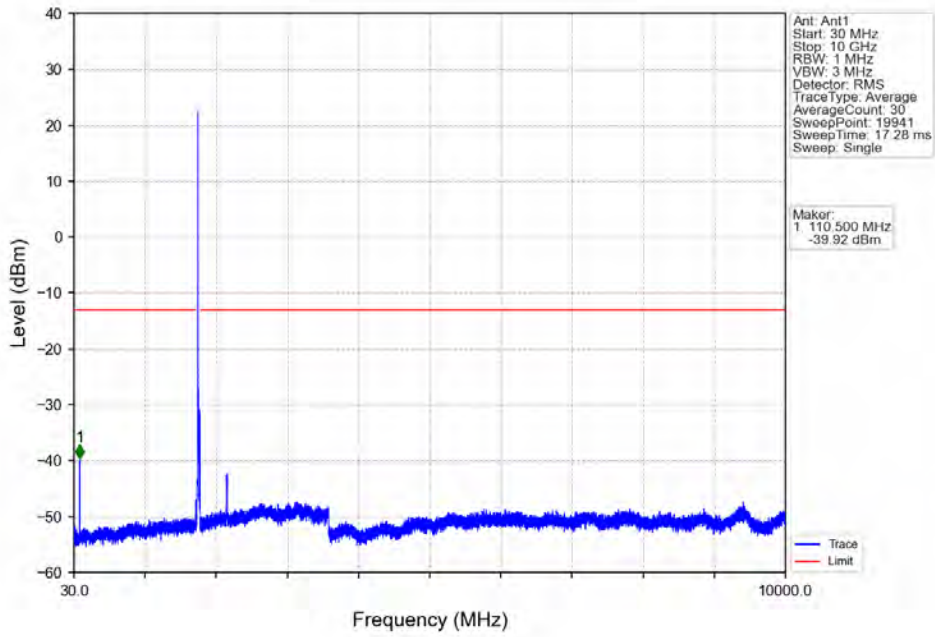
Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



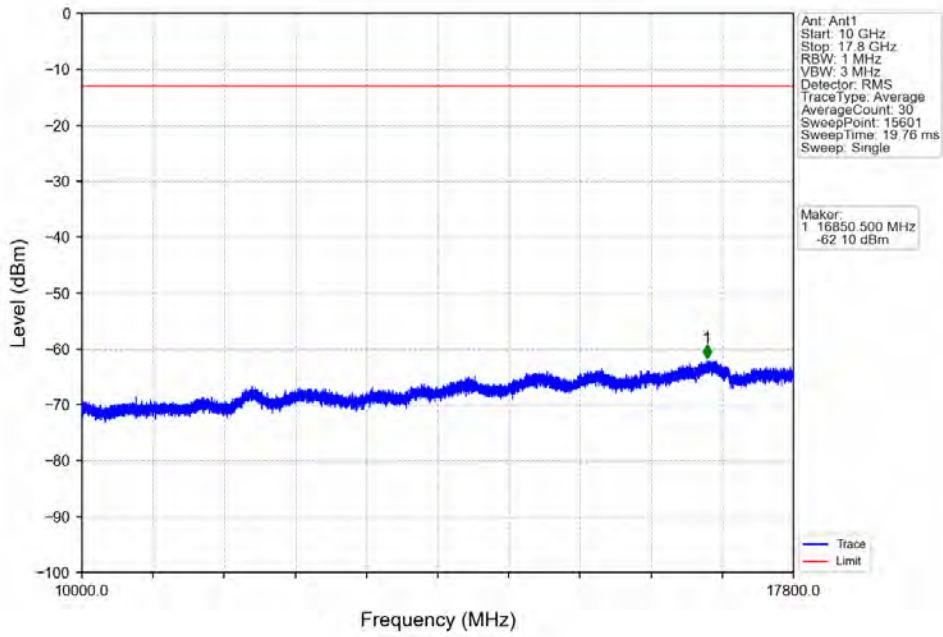
Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



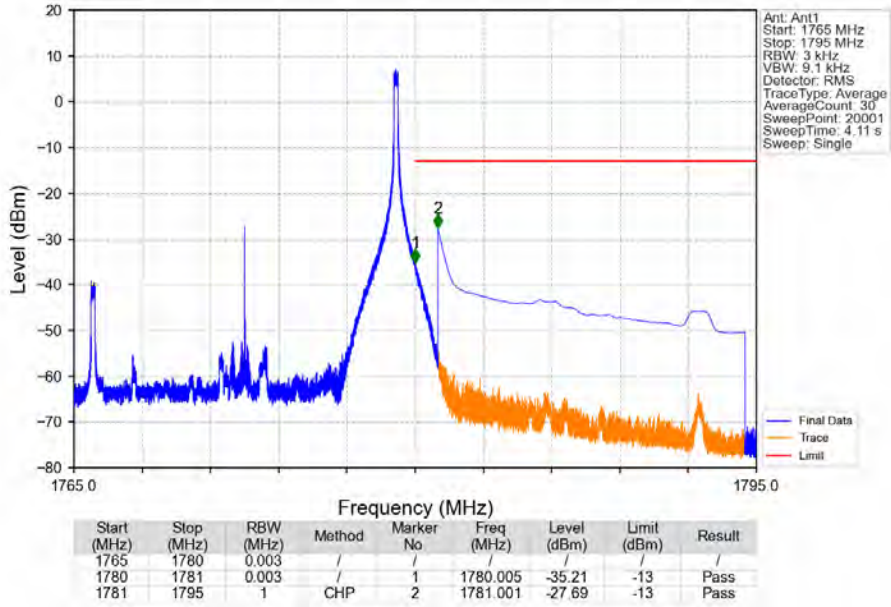
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV



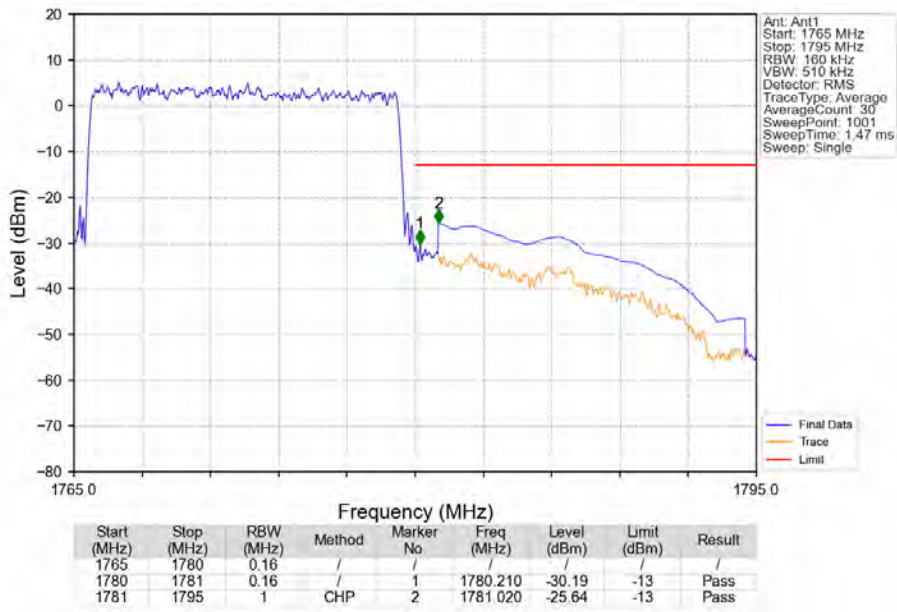
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV



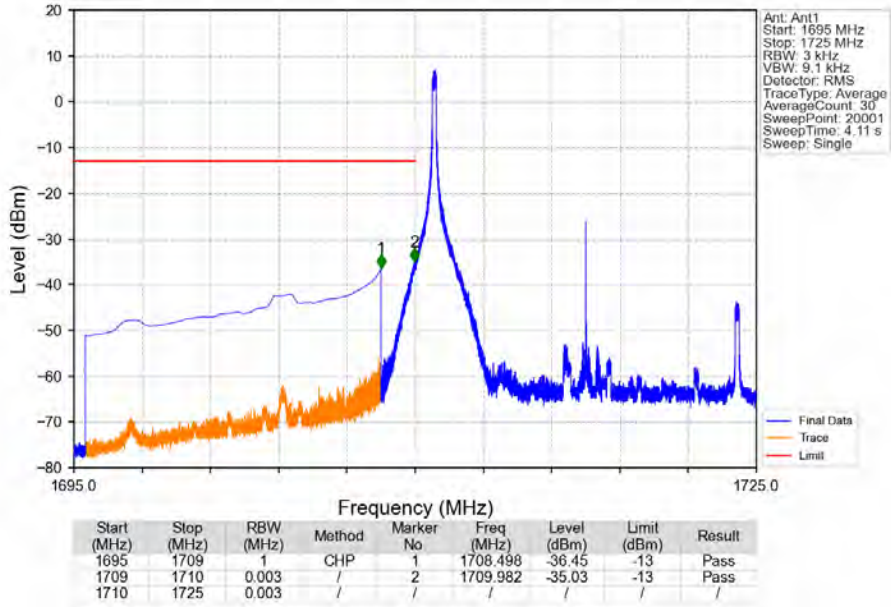
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_74_NTNV



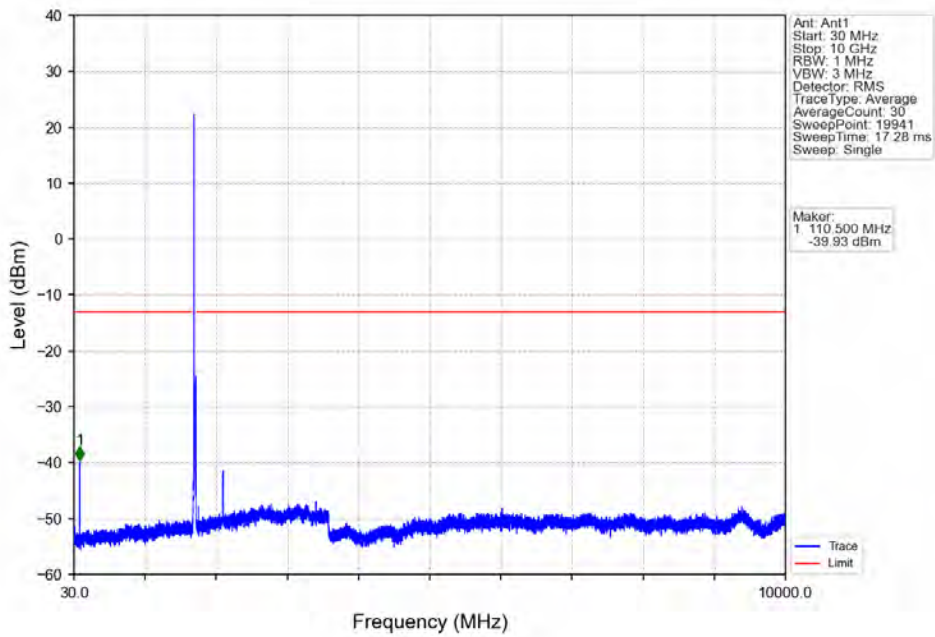
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



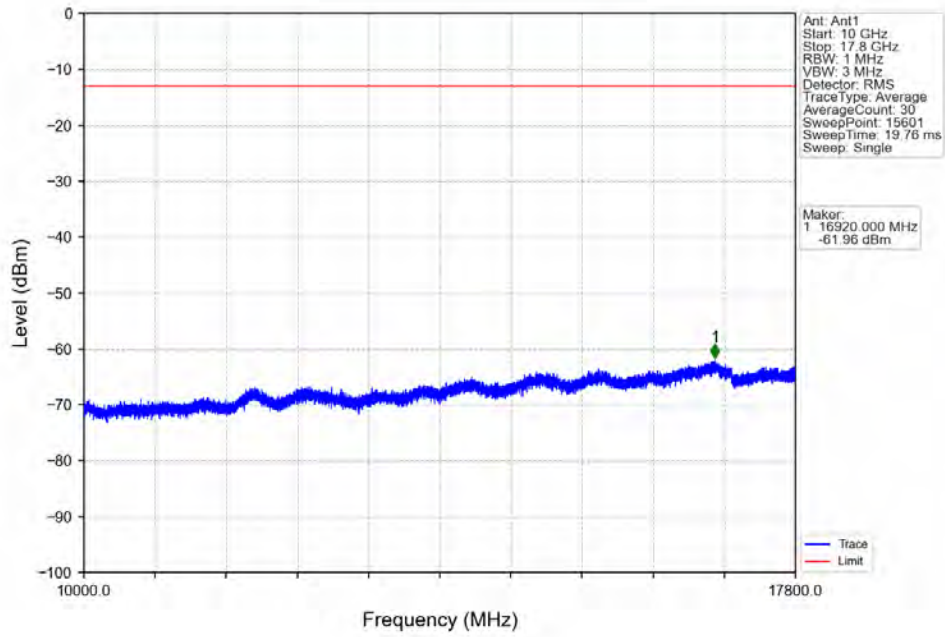
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



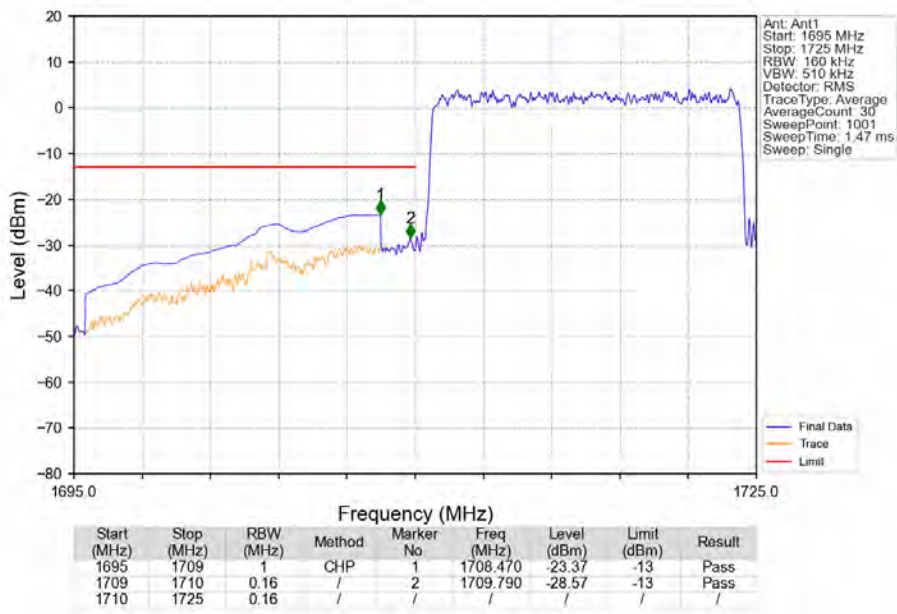
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



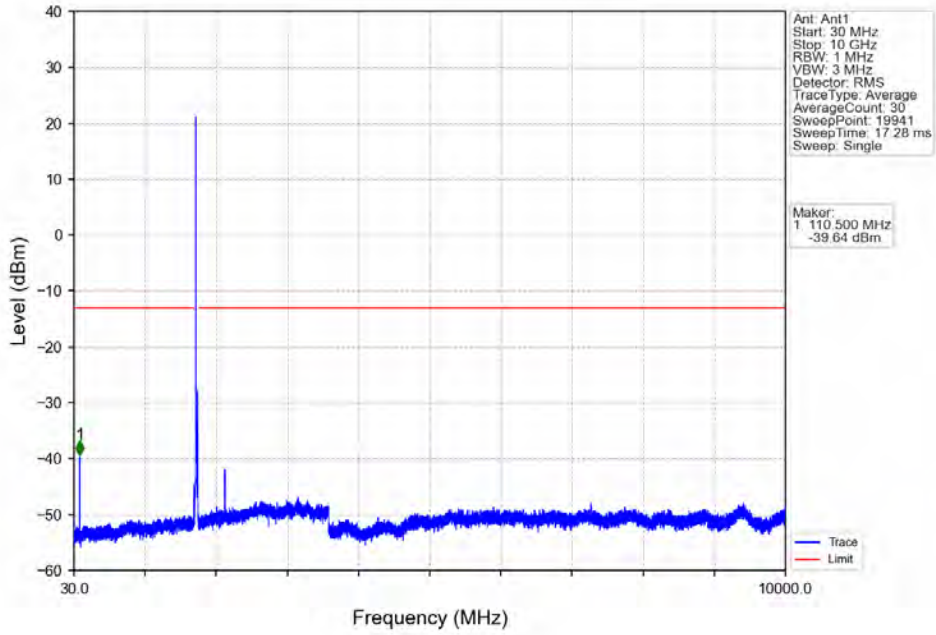
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



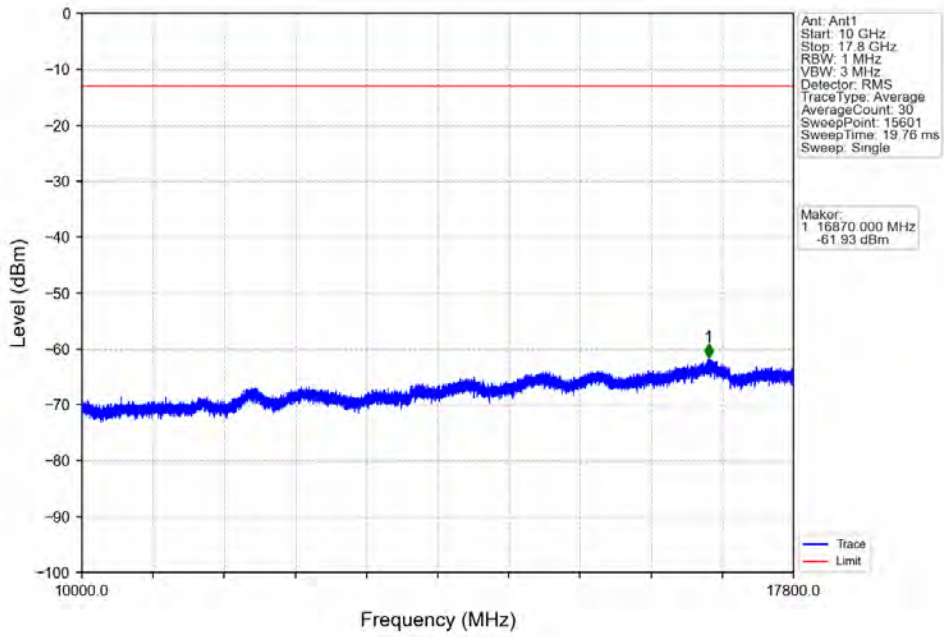
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



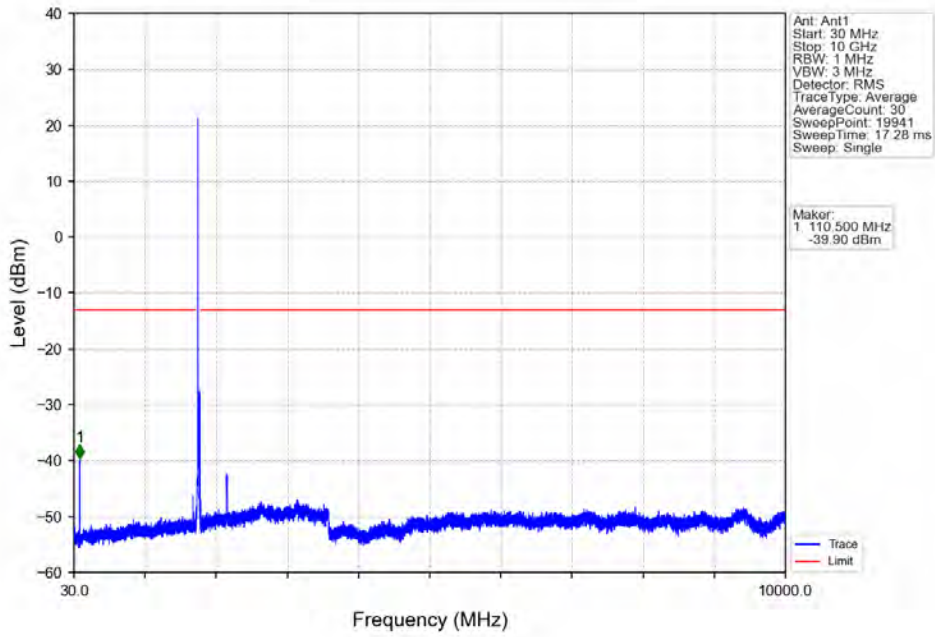
Band66_15MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



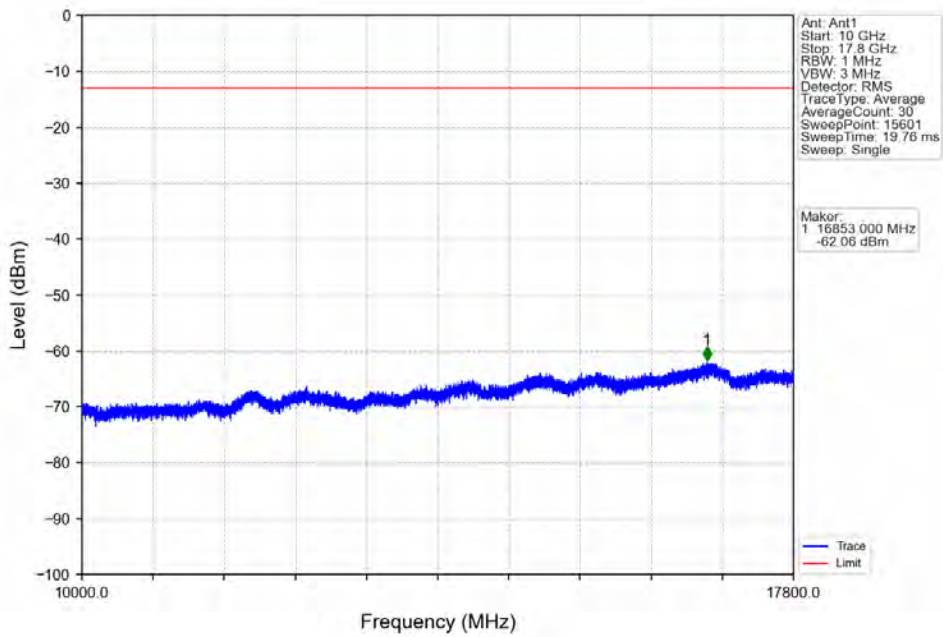
Band66_15MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



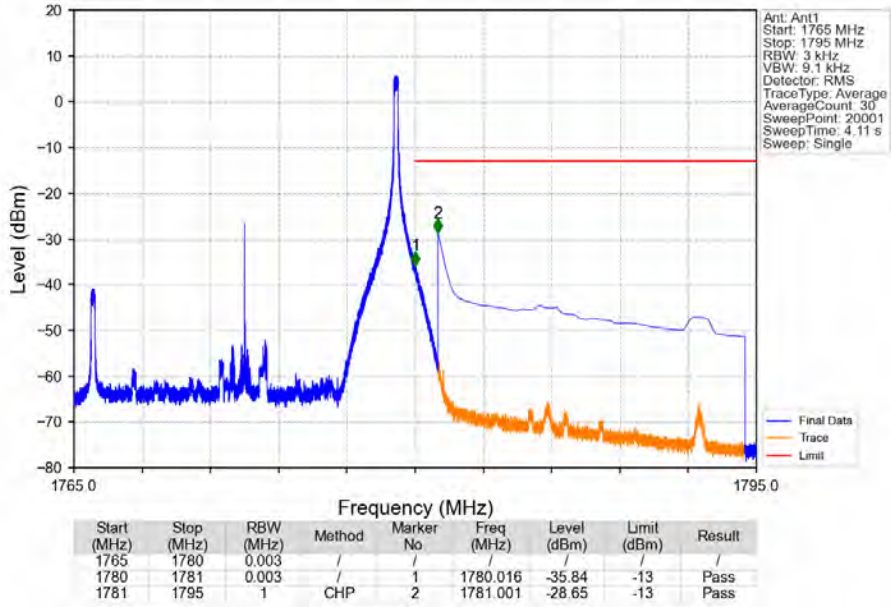
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_0_NTNV



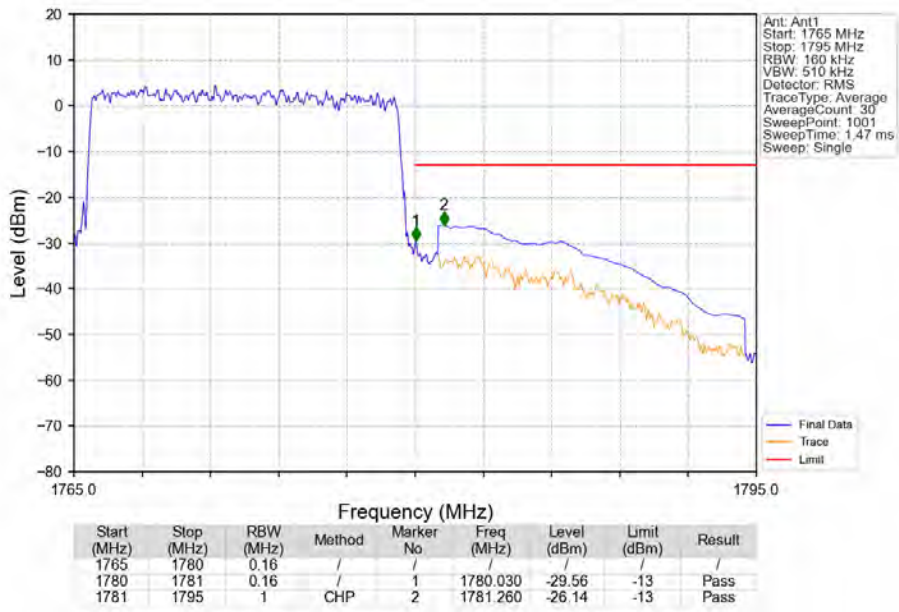
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_0_NTNV



Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_74_NTNV



Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV

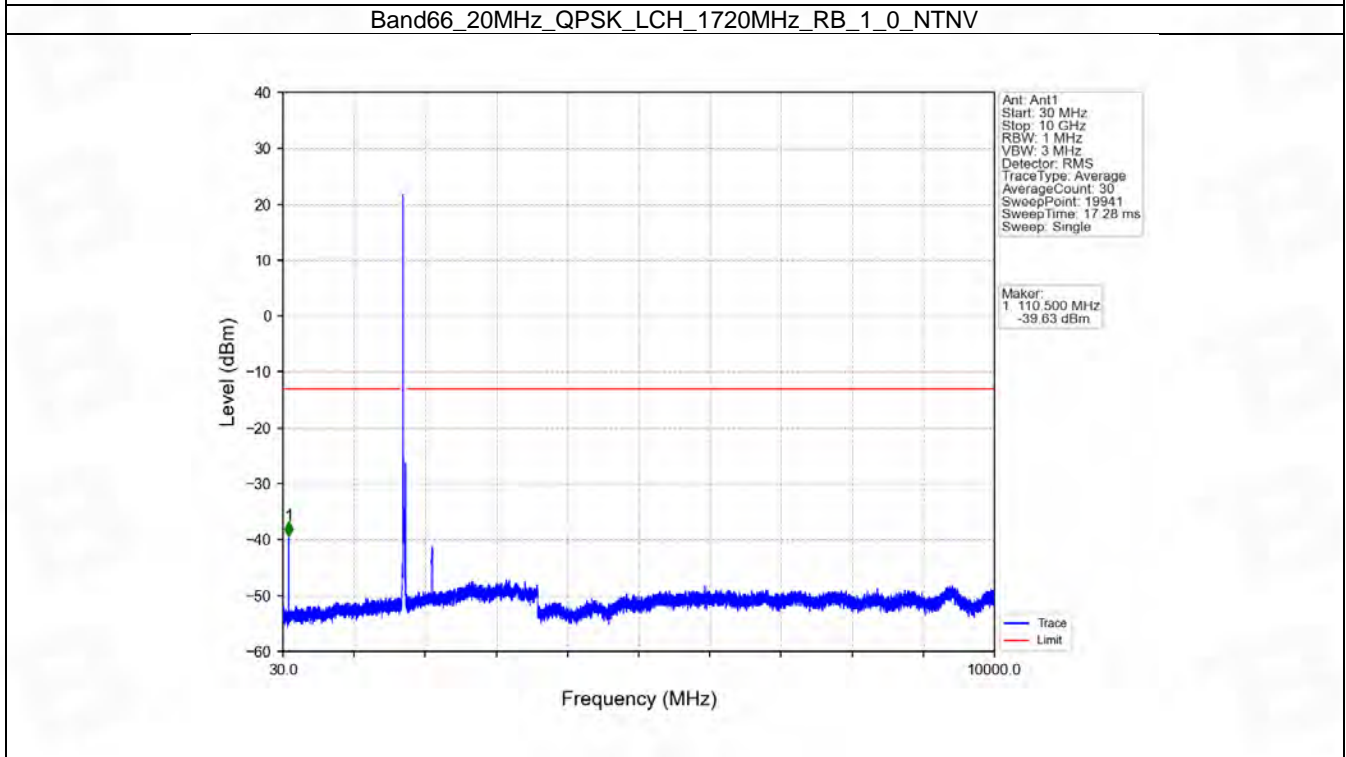
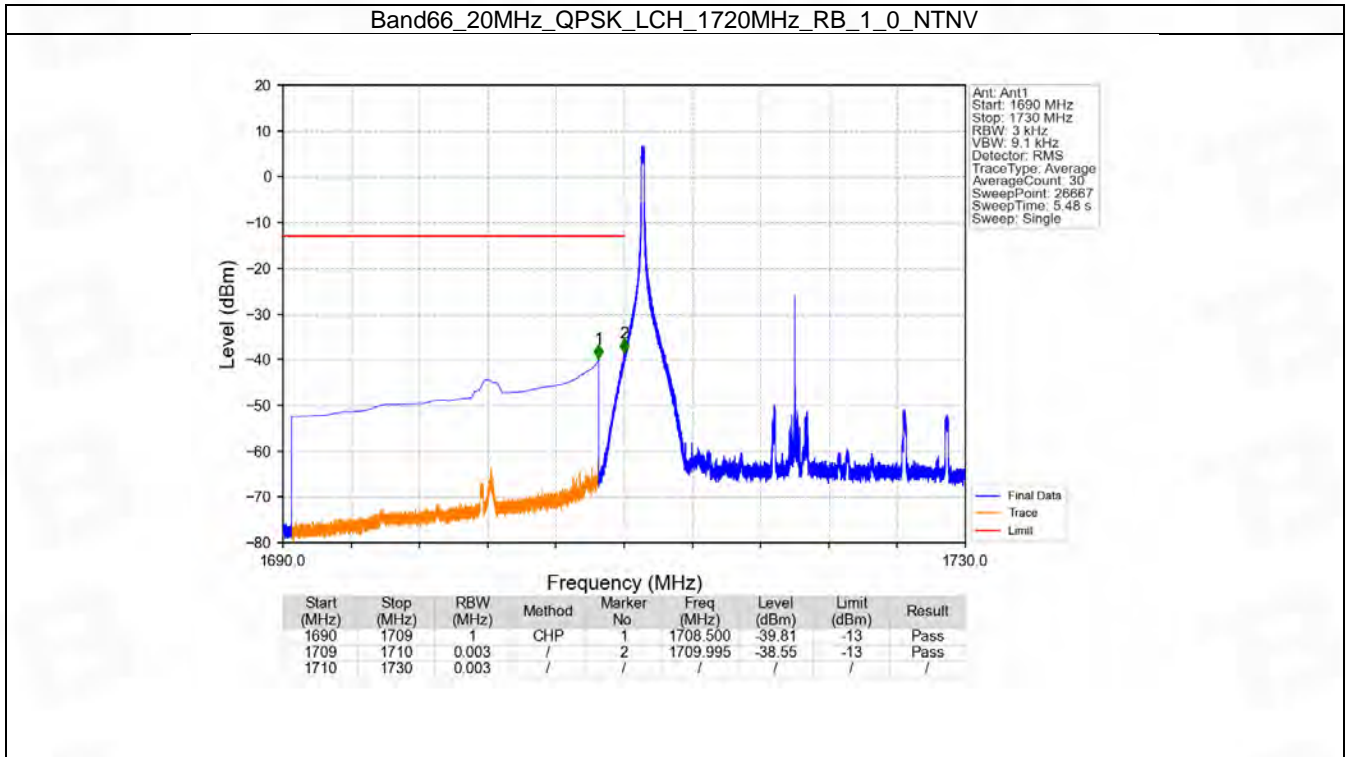


6.6 B66_20MHz

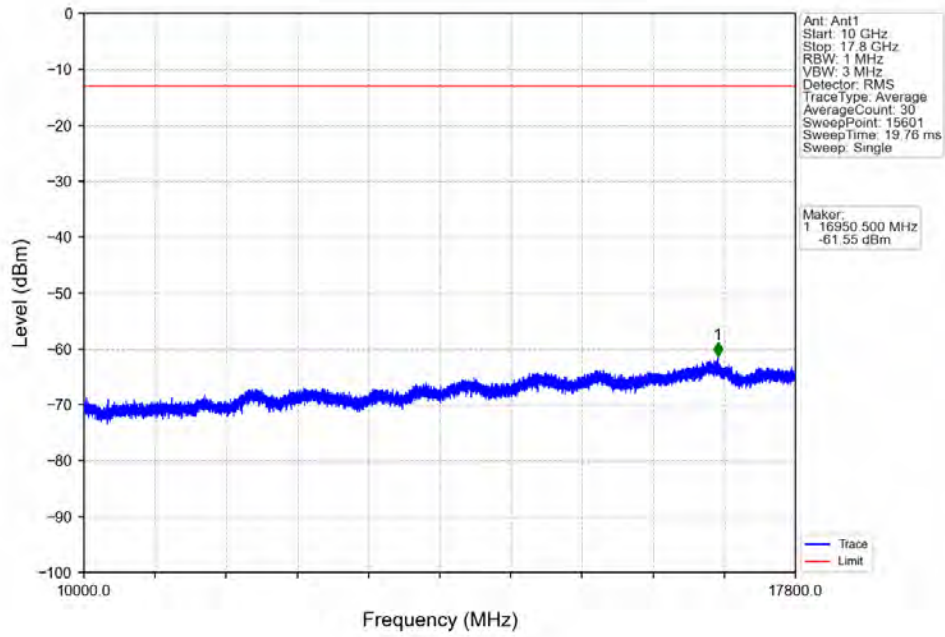
6.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
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
	1745	1	0	Refer To Test Graph		Pass
	1770	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
	1745	1	0	Refer To Test Graph		Pass
	1770	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

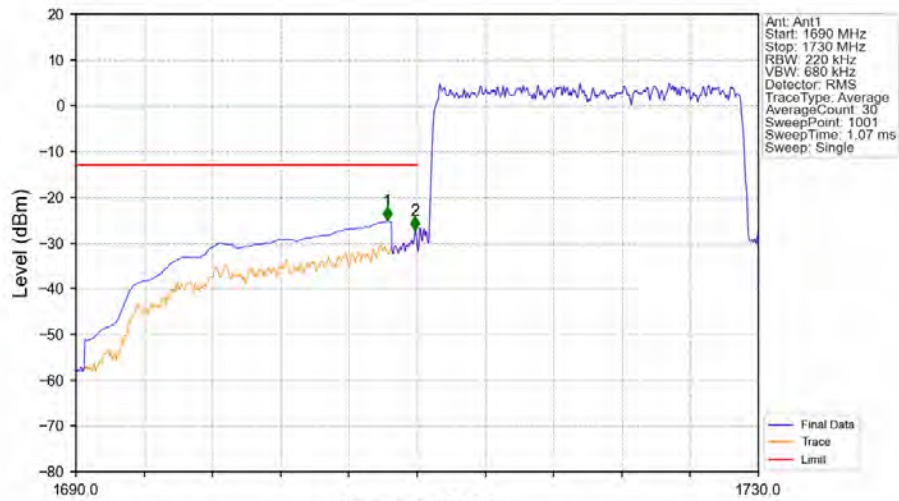
6.6.2 Test Graph



Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

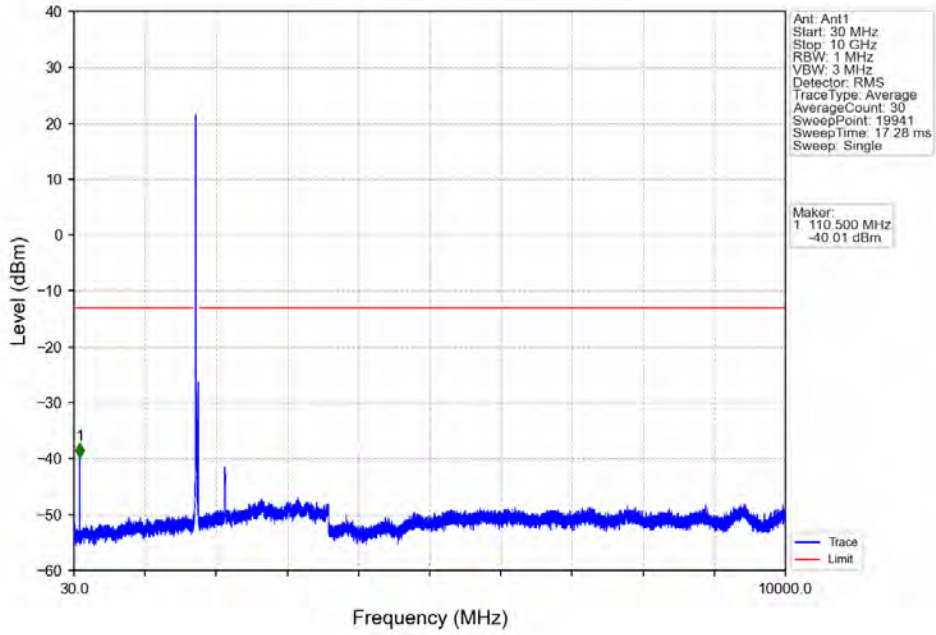


Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

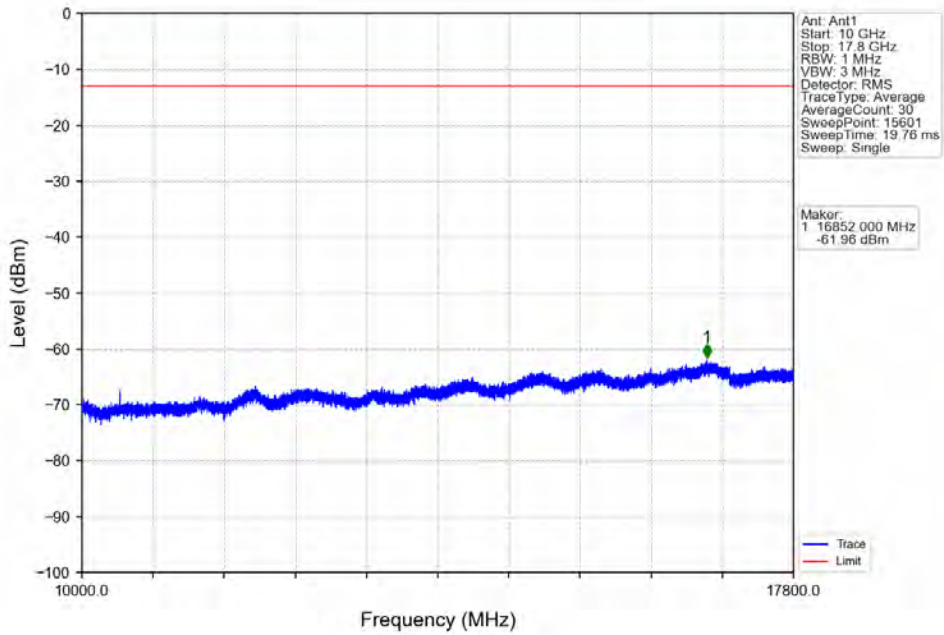


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.240	-25.21	-13	Pass
1709	1710	0.22	/	2	1709.880	-27.28	-13	Pass
1710	1730	0.22	/	/	/	/	/	/

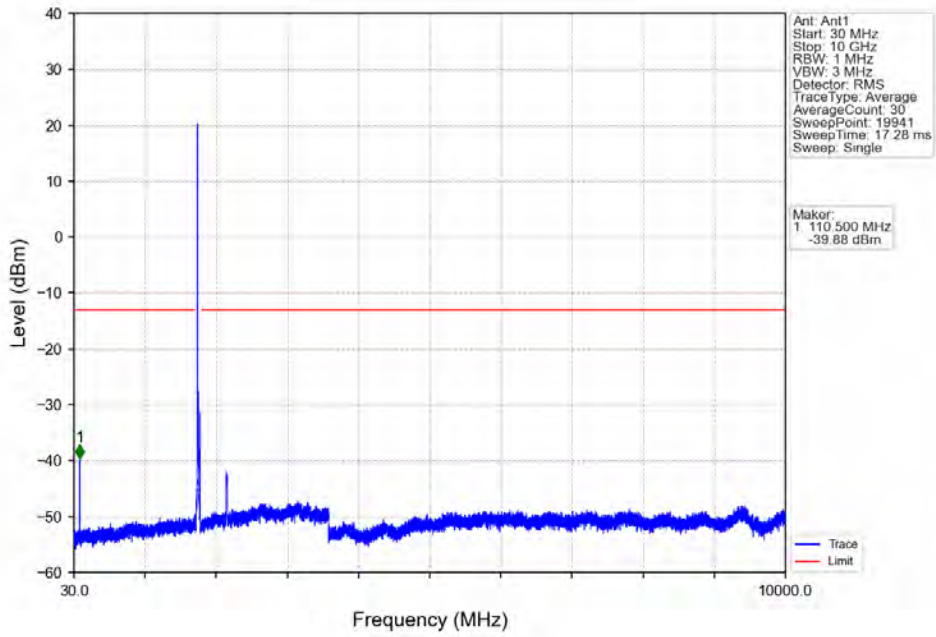
Band66_20MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



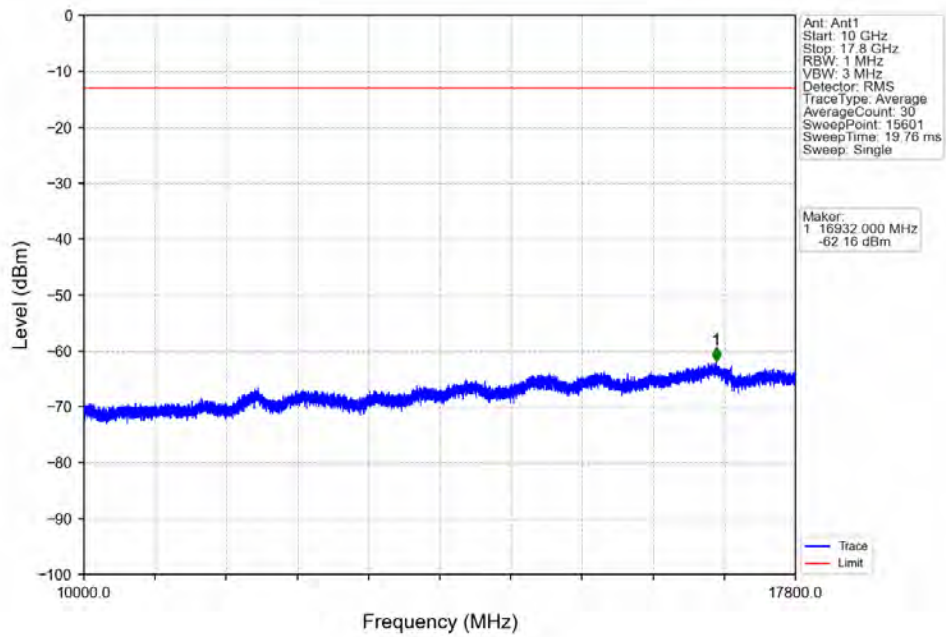
Band66_20MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



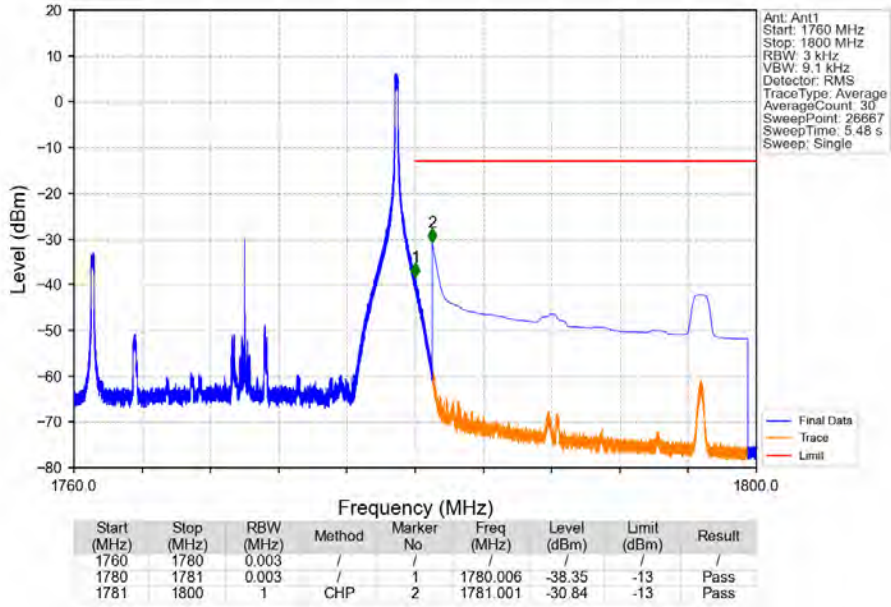
Band66_20MHz_QPSK_HCH_1770MHz_RB_1_0_NTNV



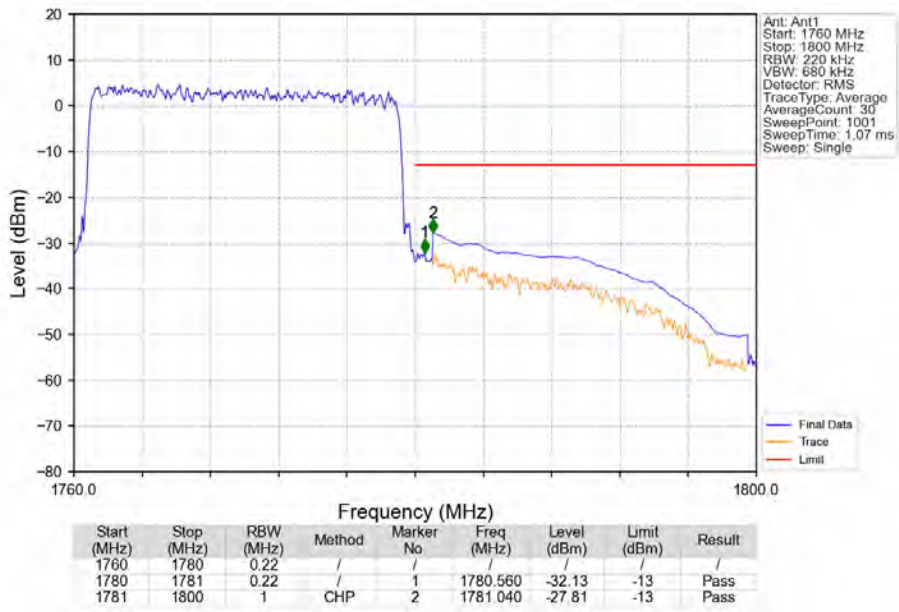
Band66_20MHz_QPSK_HCH_1770MHz_RB_1_0_NTNV



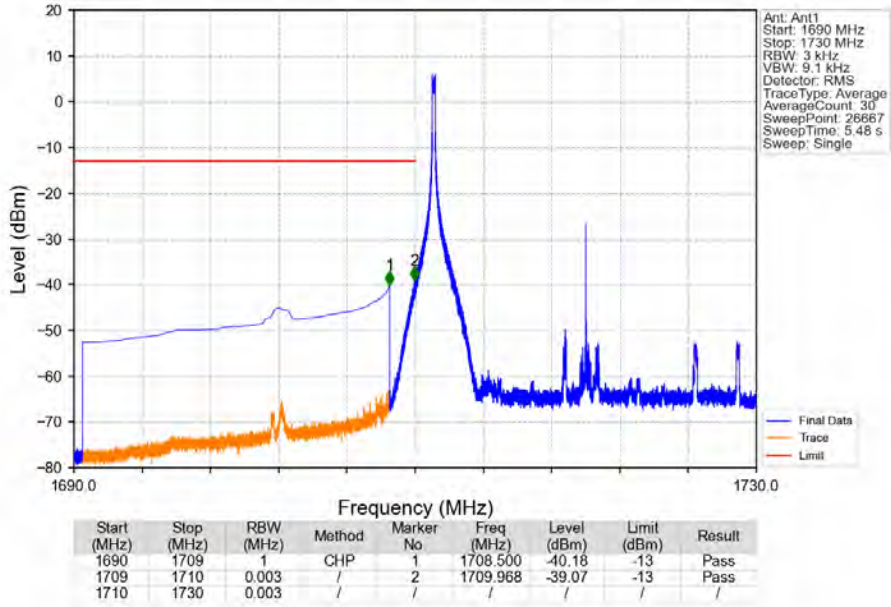
Band66_20MHz_QPSK_HCH_1770MHz_RB_1_99_NTV



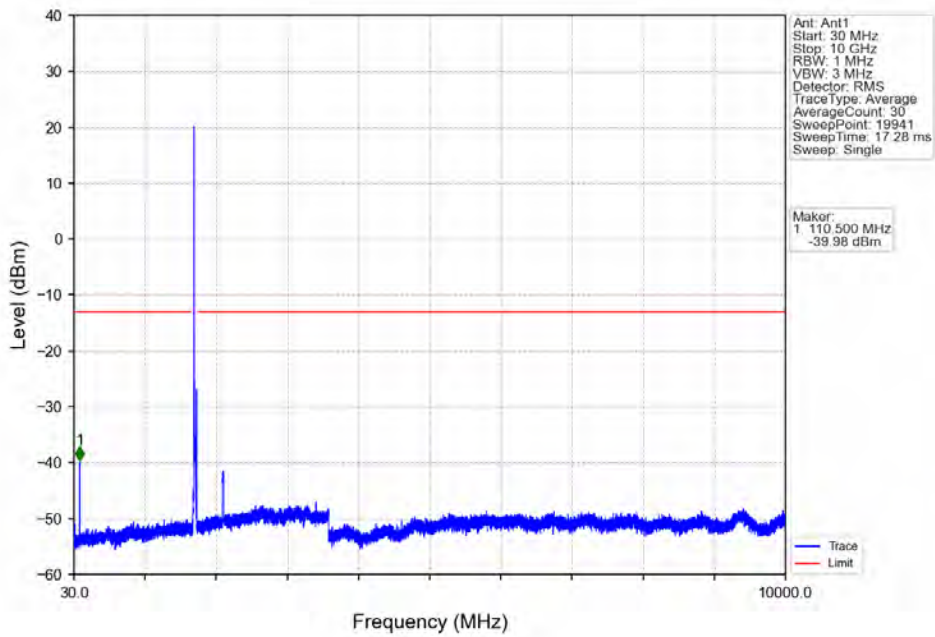
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTV



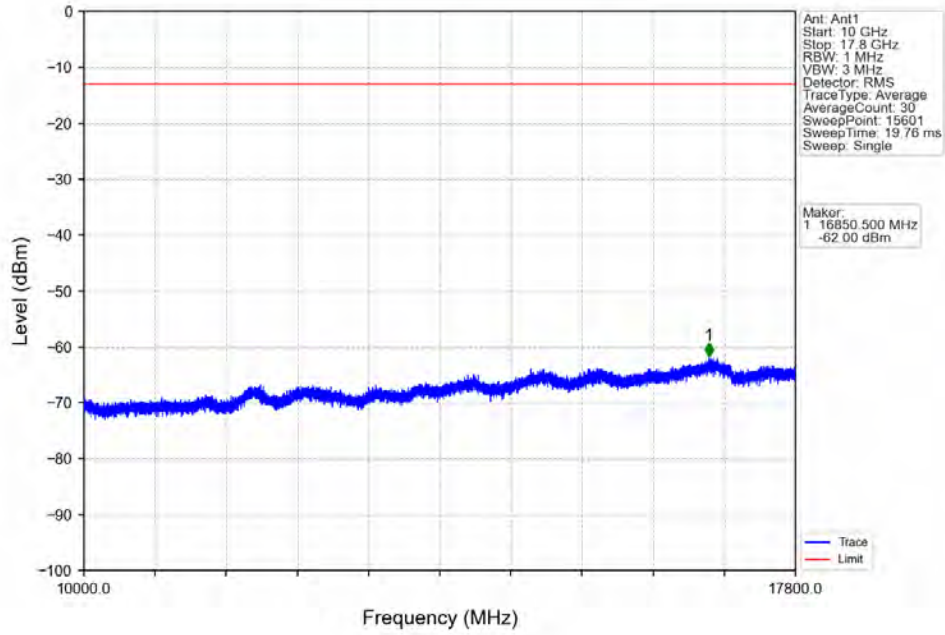
Band66_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



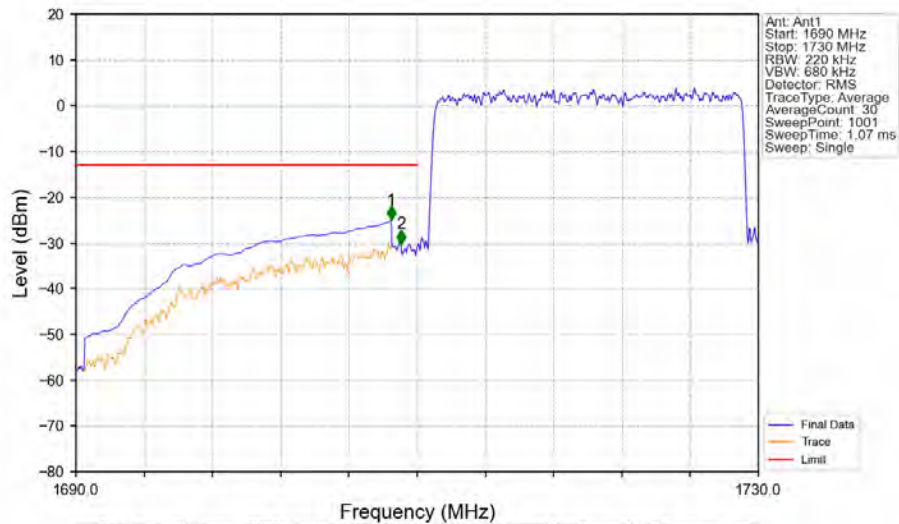
Band66_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Band66_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

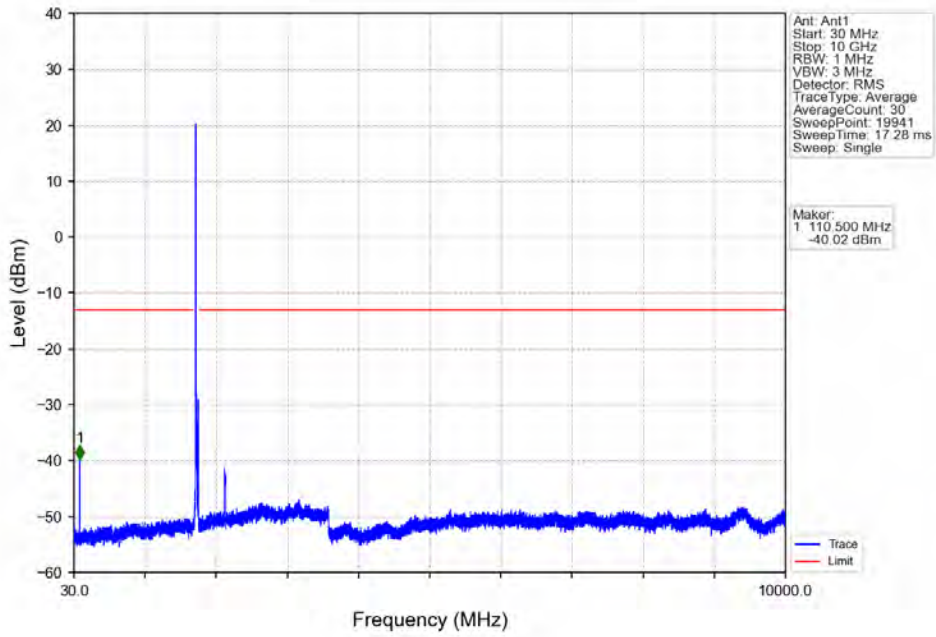


Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

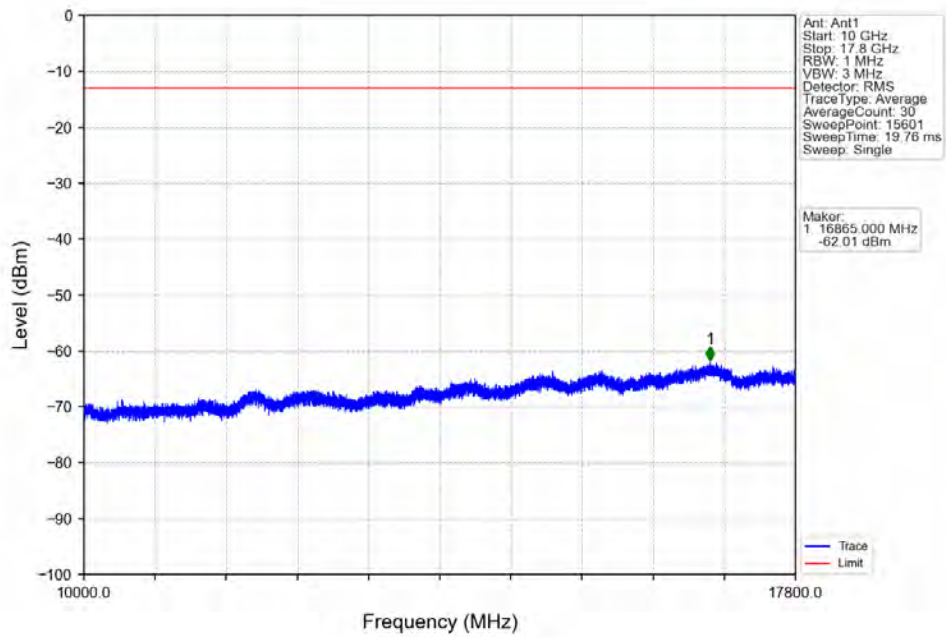


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-24.98	-13	Pass
1709	1710	0.22	/	2	1709.040	-30.20	-13	Pass
1710	1730	0.22	/	/	/	/	/	/

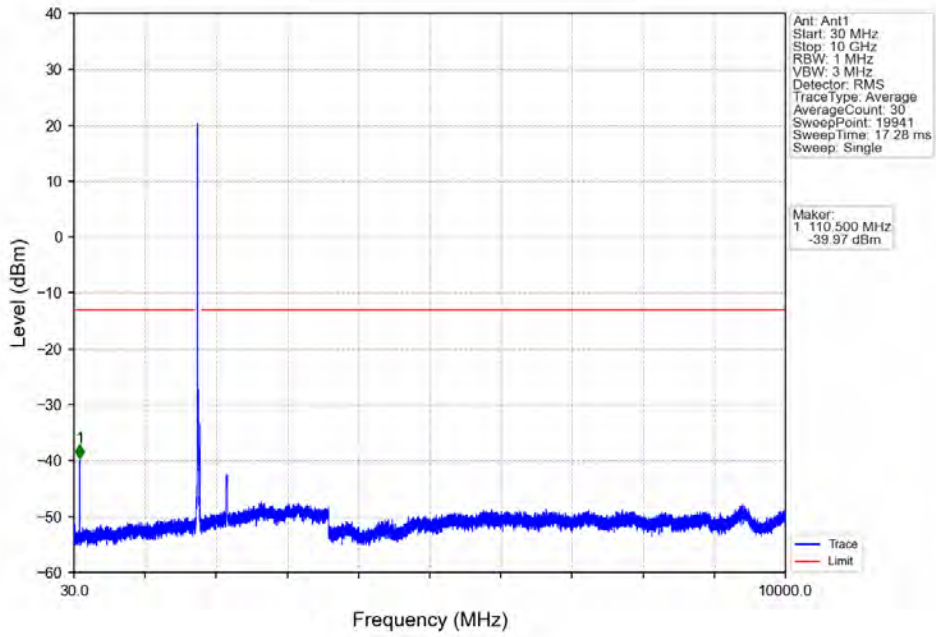
Band66_20MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



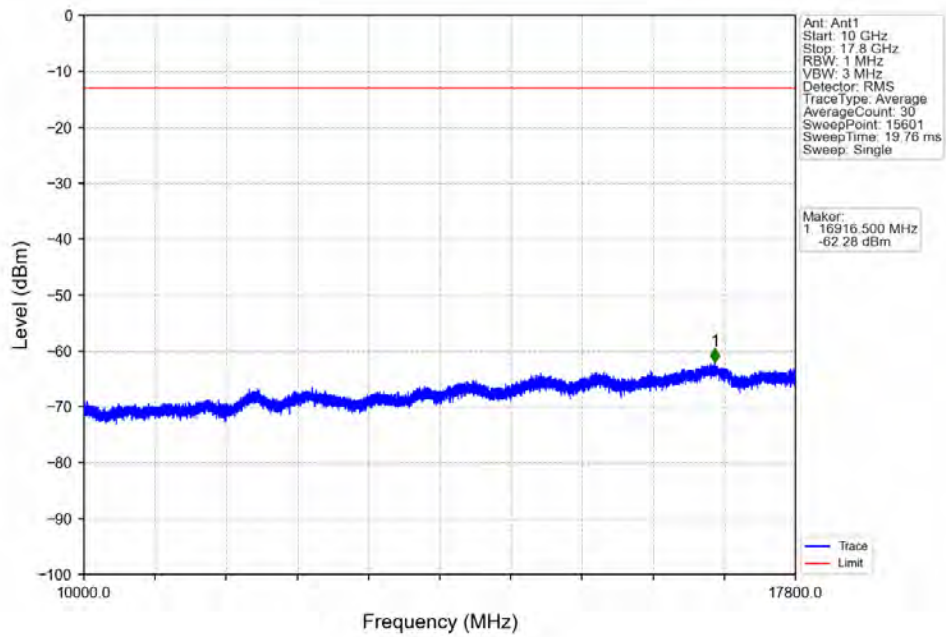
Band66_20MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



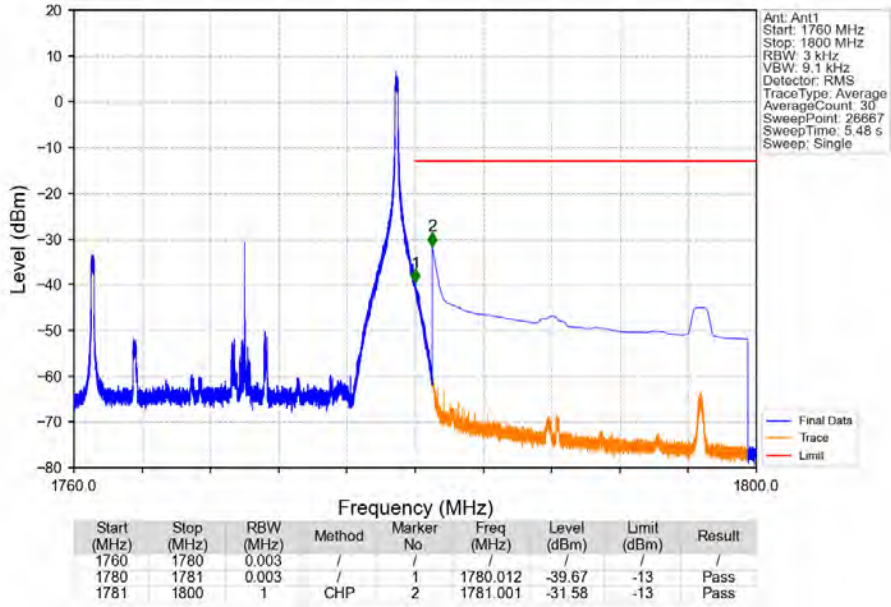
Band66_20MHz_16QAM_HCH_1770MHz_RB_1_0_NTV



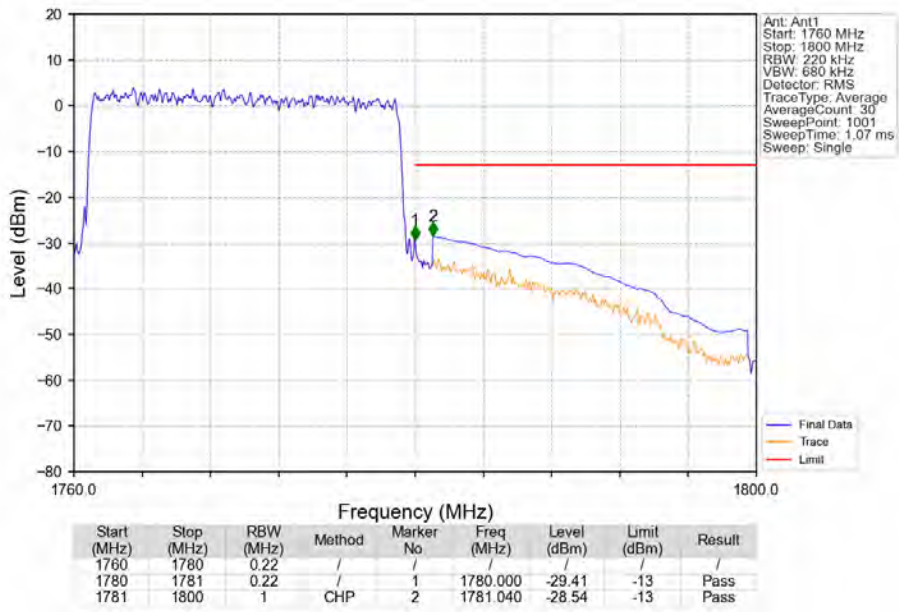
Band66_20MHz_16QAM_HCH_1770MHz_RB_1_0_NTV



Band66_20MHz_16QAM_HCH_1770MHz_RB_1_99_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



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)
66	1.4	1710.7	1779.3	0.1799	0.0064	ppm	1M12G7D	27L	22.55
66	1.4	1710.7	1779.3	0.1279	0.0057	ppm	1M12W7D	27L	21.07
66	3	1711.5	1778.5	0.1786	0.0047	ppm	2M73G7D	27L	22.52
66	3	1711.5	1778.5	0.1330	0.0056	ppm	2M73W7D	27L	21.24
66	5	1712.5	1777.5	0.1758	0.0043	ppm	4M57G7D	27L	22.45
66	5	1712.5	1777.5	0.1380	0.0055	ppm	4M57W7D	27L	21.40
66	10	1715	1775	0.1774	0.0035	ppm	9M07G7D	27L	22.49
66	10	1715	1775	0.1549	0.0037	ppm	9M05W7D	27L	21.90
66	15	1717.5	1772.5	0.1734	0.0031	ppm	13M6G7D	27L	22.39
66	15	1717.5	1772.5	0.1387	0.0028	ppm	13M6W7D	27L	21.42
66	20	1720	1770	0.1718	0.0019	ppm	18M1G7D	27L	22.35
66	20	1720	1770	0.1380	0.0021	ppm	18M1W7D	27L	21.40

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)
66	1.4	1710.7	1779.3	0.2000	0.0064	ppm	1M12G7D	27L	23.01
66	1.4	1710.7	1779.3	0.1422	0.0057	ppm	1M12W7D	27L	21.53
66	3	1711.5	1778.5	0.1986	0.0047	ppm	2M73G7D	27L	22.98
66	3	1711.5	1778.5	0.1479	0.0056	ppm	2M73W7D	27L	21.70
66	5	1712.5	1777.5	0.1954	0.0043	ppm	4M57G7D	27L	22.91
66	5	1712.5	1777.5	0.1535	0.0055	ppm	4M57W7D	27L	21.86
66	10	1715	1775	0.1972	0.0035	ppm	9M07G7D	27L	22.95
66	10	1715	1775	0.1722	0.0037	ppm	9M05W7D	27L	22.36
66	15	1717.5	1772.5	0.1928	0.0031	ppm	13M6G7D	27L	22.85
66	15	1717.5	1772.5	0.1542	0.0028	ppm	13M6W7D	27L	21.88
66	20	1720	1770	0.1910	0.0019	ppm	18M1G7D	27L	22.81
66	20	1720	1770	0.1535	0.0021	ppm	18M1W7D	27L	21.86