

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1710.7	1	0	20.03	0.32	20.35	<=30	Pass	
			2	20.13	0.32	20.45	<=30	Pass	
			5	20.06	0.32	20.38	<=30	Pass	
		3	0	20.08	0.32	20.40	<=30	Pass	
			2	19.70	0.32	20.02	<=30	Pass	
			3	19.63	0.32	19.95	<=30	Pass	
		6	0	18.58	0.32	18.90	<=30	Pass	
		1732.5	1	0	20.26	0.32	20.58	<=30	Pass
				2	19.87	0.32	20.19	<=30	Pass
	5			19.73	0.32	20.05	<=30	Pass	
	3		0	19.82	0.32	20.14	<=30	Pass	
			2	19.89	0.32	20.21	<=30	Pass	
			3	19.80	0.32	20.12	<=30	Pass	
	6	0	18.83	0.32	19.15	<=30	Pass		
	1754.3	1	0	20.24	0.32	20.56	<=30	Pass	
			2	20.35	0.32	20.67	<=30	Pass	
			5	20.30	0.32	20.62	<=30	Pass	
		3	0	20.35	0.32	20.67	<=30	Pass	
			2	20.39	0.32	20.71	<=30	Pass	
			3	20.34	0.32	20.66	<=30	Pass	
	6	0	19.35	0.32	19.67	<=30	Pass		
	16QAM	1710.7	1	0	18.65	0.32	18.97	<=30	Pass
				2	18.82	0.32	19.14	<=30	Pass
				5	18.68	0.32	19.00	<=30	Pass
3			0	18.57	0.32	18.89	<=30	Pass	
			2	18.60	0.32	18.92	<=30	Pass	
			3	18.61	0.32	18.93	<=30	Pass	
6			0	17.59	0.32	17.91	<=30	Pass	
1732.5			1	0	18.89	0.32	19.21	<=30	Pass
				2	19.00	0.32	19.32	<=30	Pass
		5		18.88	0.32	19.20	<=30	Pass	
		3	0	18.81	0.32	19.13	<=30	Pass	
			2	18.86	0.32	19.18	<=30	Pass	
			3	18.82	0.32	19.14	<=30	Pass	
6		0	17.83	0.32	18.15	<=30	Pass		
1754.3		1	0	19.19	0.32	19.51	<=30	Pass	
			2	19.31	0.32	19.63	<=30	Pass	
			5	19.25	0.32	19.57	<=30	Pass	
		3	0	19.46	0.32	19.78	<=30	Pass	
			2	19.57	0.32	19.89	<=30	Pass	
			3	19.54	0.32	19.86	<=30	Pass	
6		0	18.37	0.32	18.69	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	19.72	0.32	20.04	<=30	Pass		
			7	19.89	0.32	20.21	<=30	Pass		
			14	19.79	0.32	20.11	<=30	Pass		
		8	0	18.73	0.32	19.05	<=30	Pass		
			4	18.76	0.32	19.08	<=30	Pass		
			7	18.75	0.32	19.07	<=30	Pass		
		15	0	18.70	0.32	19.02	<=30	Pass		
		1732.5	1	0	19.90	0.32	20.22	<=30	Pass	
				7	19.98	0.32	20.30	<=30	Pass	
	14			19.83	0.32	20.15	<=30	Pass		
	8		0	18.90	0.32	19.22	<=30	Pass		
			4	18.94	0.32	19.26	<=30	Pass		
			7	18.89	0.32	19.21	<=30	Pass		
	15		0	18.89	0.32	19.21	<=30	Pass		
	1753.5		1	0	20.27	0.32	20.59	<=30	Pass	
				7	20.48	0.32	20.80	<=30	Pass	
		14		20.39	0.32	20.71	<=30	Pass		
		8	0	19.33	0.32	19.65	<=30	Pass		
			4	19.40	0.32	19.72	<=30	Pass		
			7	19.38	0.32	19.70	<=30	Pass		
		15	0	19.34	0.32	19.66	<=30	Pass		
		16QAM	1711.5	1	0	18.69	0.32	19.01	<=30	Pass
					7	18.86	0.32	19.18	<=30	Pass
	14				18.74	0.32	19.06	<=30	Pass	
8	0			17.76	0.32	18.08	<=30	Pass		
	4			17.81	0.32	18.13	<=30	Pass		
	7			17.78	0.32	18.10	<=30	Pass		
15	0			17.73	0.32	18.05	<=30	Pass		
1732.5	1			0	19.06	0.32	19.38	<=30	Pass	
				7	19.07	0.32	19.39	<=30	Pass	
			14	18.99	0.32	19.31	<=30	Pass		
	8		0	17.84	0.32	18.16	<=30	Pass		
			4	17.90	0.32	18.22	<=30	Pass		
			7	17.84	0.32	18.16	<=30	Pass		
	15		0	17.85	0.32	18.17	<=30	Pass		
	1753.5		1	0	19.72	0.32	20.04	<=30	Pass	
				7	19.94	0.32	20.26	<=30	Pass	
14				19.86	0.32	20.18	<=30	Pass		
8			0	18.43	0.32	18.75	<=30	Pass		
			4	18.52	0.32	18.84	<=30	Pass		
			7	18.52	0.32	18.84	<=30	Pass		
15			0	18.38	0.32	18.70	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	19.52	0.32	19.84	<=30	Pass
			13	19.69	0.32	20.01	<=30	Pass
			24	19.66	0.32	19.98	<=30	Pass

16QAM	1732.5	12	0	18.59	0.32	18.91	<=30	Pass	
			6	18.67	0.32	18.99	<=30	Pass	
			13	18.67	0.32	18.99	<=30	Pass	
		25	0	18.63	0.32	18.95	<=30	Pass	
			1	0	19.80	0.32	20.12	<=30	Pass
				13	19.81	0.32	20.13	<=30	Pass
		24		19.69	0.32	20.01	<=30	Pass	
		12	0	18.81	0.32	19.13	<=30	Pass	
			6	18.83	0.32	19.15	<=30	Pass	
	13		18.80	0.32	19.12	<=30	Pass		
	25	0	18.81	0.32	19.13	<=30	Pass		
		1752.5	1	0	20.00	0.32	20.32	<=30	Pass
				13	20.22	0.32	20.54	<=30	Pass
	24			20.26	0.32	20.58	<=30	Pass	
	12	0	19.10	0.32	19.42	<=30	Pass		
		6	19.23	0.32	19.55	<=30	Pass		
		13	19.19	0.32	19.51	<=30	Pass		
	25	0	19.19	0.32	19.51	<=30	Pass		
		1712.5	1	0	18.56	0.32	18.88	<=30	Pass
				13	18.75	0.32	19.07	<=30	Pass
	24			18.78	0.32	19.10	<=30	Pass	
	12		0	17.58	0.32	17.90	<=30	Pass	
			6	17.70	0.32	18.02	<=30	Pass	
			13	17.65	0.32	17.97	<=30	Pass	
25	0	17.66	0.32	17.98	<=30	Pass			
	1732.5	1	0	19.02	0.32	19.34	<=30	Pass	
			13	19.08	0.32	19.40	<=30	Pass	
24			18.94	0.32	19.26	<=30	Pass		
12	0	17.87	0.32	18.19	<=30	Pass			
	6	17.91	0.32	18.23	<=30	Pass			
	13	17.87	0.32	18.19	<=30	Pass			
25	0	17.77	0.32	18.09	<=30	Pass			
	1752.5	1	0	18.81	0.32	19.13	<=30	Pass	
			13	19.07	0.32	19.39	<=30	Pass	
24			19.06	0.32	19.38	<=30	Pass		
12	0	18.14	0.32	18.46	<=30	Pass			
	6	18.24	0.32	18.56	<=30	Pass			
	13	18.18	0.32	18.50	<=30	Pass			
25	0	18.20	0.32	18.52	<=30	Pass			

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	19.56	0.32	19.88	<=30	Pass
			25	20.01	0.32	20.33	<=30	Pass
			49	19.89	0.32	20.21	<=30	Pass
		25	0	18.74	0.32	19.06	<=30	Pass
			13	18.84	0.32	19.16	<=30	Pass
			25	18.91	0.32	19.23	<=30	Pass
	50	0	18.80	0.32	19.12	<=30	Pass	
	1732.5	1	0	19.88	0.32	20.20	<=30	Pass
			25	20.02	0.32	20.34	<=30	Pass

16QAM	1750	25	49	19.68	0.32	20.00	<=30	Pass	
			0	18.90	0.32	19.22	<=30	Pass	
			13	18.89	0.32	19.21	<=30	Pass	
		50	25	18.88	0.32	19.20	<=30	Pass	
			0	18.88	0.32	19.20	<=30	Pass	
			1	0	19.81	0.32	20.13	<=30	Pass
	1715	1	25	20.27	0.32	20.59	<=30	Pass	
			49	20.27	0.32	20.59	<=30	Pass	
			0	19.06	0.32	19.38	<=30	Pass	
		25	13	19.14	0.32	19.46	<=30	Pass	
			25	19.23	0.32	19.55	<=30	Pass	
			0	19.12	0.32	19.44	<=30	Pass	
	1732.5	1715	1	0	18.57	0.32	18.89	<=30	Pass
				25	18.96	0.32	19.28	<=30	Pass
				49	18.92	0.32	19.24	<=30	Pass
			25	0	17.80	0.32	18.12	<=30	Pass
				13	17.91	0.32	18.23	<=30	Pass
				25	17.98	0.32	18.30	<=30	Pass
1732.5		1	0	17.84	0.32	18.16	<=30	Pass	
			0	19.04	0.32	19.36	<=30	Pass	
			25	19.15	0.32	19.47	<=30	Pass	
		25	49	18.85	0.32	19.17	<=30	Pass	
			0	17.93	0.32	18.25	<=30	Pass	
			13	17.91	0.32	18.23	<=30	Pass	
1750	1	25	17.91	0.32	18.23	<=30	Pass		
		0	17.88	0.32	18.20	<=30	Pass		
		0	19.32	0.32	19.64	<=30	Pass		
	25	25	19.72	0.32	20.04	<=30	Pass		
		49	19.74	0.32	20.06	<=30	Pass		
		0	18.07	0.32	18.39	<=30	Pass		
50	13	18.15	0.32	18.47	<=30	Pass			
	25	18.23	0.32	18.55	<=30	Pass			
	0	18.11	0.32	18.43	<=30	Pass			

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNv										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	19.44	0.32	19.76	<=30	Pass		
			38	19.86	0.32	20.18	<=30	Pass		
			74	19.75	0.32	20.07	<=30	Pass		
		36	0	18.71	0.32	19.03	<=30	Pass		
			18	18.87	0.32	19.19	<=30	Pass		
			39	18.94	0.32	19.26	<=30	Pass		
		75	0	18.86	0.32	19.18	<=30	Pass		
			1732.5	1	0	19.74	0.32	20.06	<=30	Pass
					38	19.82	0.32	20.14	<=30	Pass
	74	19.54			0.32	19.86	<=30	Pass		
	36	0	18.88	0.32	19.20	<=30	Pass			
		18	18.87	0.32	19.19	<=30	Pass			
		39	18.81	0.32	19.13	<=30	Pass			
	75	0	18.85	0.32	19.17	<=30	Pass			
		1747.5	1	0	19.60	0.32	19.92	<=30	Pass	

16QAM			38	19.98	0.32	20.30	<=30	Pass			
			74	20.11	0.32	20.43	<=30	Pass			
			36	0	18.91	0.32	19.23	<=30	Pass		
				18	19.03	0.32	19.35	<=30	Pass		
				39	19.11	0.32	19.43	<=30	Pass		
			75	0	19.06	0.32	19.38	<=30	Pass		
				1	0	18.77	0.32	19.09	<=30	Pass	
					38	19.20	0.32	19.52	<=30	Pass	
			74		19.15	0.32	19.47	<=30	Pass		
			1717.5	36	0	17.70	0.32	18.02	<=30	Pass	
					18	17.83	0.32	18.15	<=30	Pass	
					39	17.94	0.32	18.26	<=30	Pass	
				75	0	17.78	0.32	18.10	<=30	Pass	
					1	0	18.88	0.32	19.20	<=30	Pass
						38	18.93	0.32	19.25	<=30	Pass
74	18.69	0.32		19.01		<=30	Pass				
1732.5	36	0		17.83	0.32	18.15	<=30	Pass			
		18		17.85	0.32	18.17	<=30	Pass			
		39	17.81	0.32	18.13	<=30	Pass				
	75	0	17.79	0.32	18.11	<=30	Pass				
		1	0	19.06	0.32	19.38	<=30	Pass			
			38	19.48	0.32	19.80	<=30	Pass			
74	19.61		0.32	19.93	<=30	Pass					
1747.5	36	0	17.87	0.32	18.19	<=30	Pass				
		18	17.99	0.32	18.31	<=30	Pass				
		39	18.13	0.32	18.45	<=30	Pass				
	75	0	17.97	0.32	18.29	<=30	Pass				

Note1: EIRP=Conducted Power+Antenna Gain

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1720	1	0	19.26	0.32	19.58	<=30	Pass	
			50	20.01	0.32	20.33	<=30	Pass	
			99	19.58	0.32	19.90	<=30	Pass	
		50	0	18.76	0.32	19.08	<=30	Pass	
			25	18.95	0.32	19.27	<=30	Pass	
			50	18.95	0.32	19.27	<=30	Pass	
		100	0	18.83	0.32	19.15	<=30	Pass	
		1732.5	1	0	19.68	0.32	20.00	<=30	Pass
				50	19.97	0.32	20.29	<=30	Pass
	99			19.44	0.32	19.76	<=30	Pass	
	50		0	18.92	0.32	19.24	<=30	Pass	
			25	18.82	0.32	19.14	<=30	Pass	
			50	18.79	0.32	19.11	<=30	Pass	
	100	0	18.78	0.32	19.10	<=30	Pass		
	1745	1	0	19.45	0.32	19.77	<=30	Pass	
			50	20.05	0.32	20.37	<=30	Pass	
			99	19.99	0.32	20.31	<=30	Pass	
		50	0	18.77	0.32	19.09	<=30	Pass	
			25	18.89	0.32	19.21	<=30	Pass	
			50	18.99	0.32	19.31	<=30	Pass	
		100	0	18.92	0.32	19.24	<=30	Pass	

16QAM	1720	1	0	18.76	0.32	19.08	<=30	Pass	
			50	19.57	0.32	19.89	<=30	Pass	
			99	19.12	0.32	19.44	<=30	Pass	
		50	0	17.76	0.32	18.08	<=30	Pass	
			25	17.93	0.32	18.25	<=30	Pass	
			50	17.93	0.32	18.25	<=30	Pass	
		100	0	17.88	0.32	18.20	<=30	Pass	
		1732.5	1	0	18.89	0.32	19.21	<=30	Pass
				50	19.16	0.32	19.48	<=30	Pass
	99			18.62	0.32	18.94	<=30	Pass	
	50		0	17.87	0.32	18.19	<=30	Pass	
			25	17.84	0.32	18.16	<=30	Pass	
			50	17.80	0.32	18.12	<=30	Pass	
	100		0	17.81	0.32	18.13	<=30	Pass	
	1745		1	0	18.70	0.32	19.02	<=30	Pass
				50	19.23	0.32	19.55	<=30	Pass
		99		19.22	0.32	19.54	<=30	Pass	
		50	0	17.82	0.32	18.14	<=30	Pass	
			25	17.87	0.32	18.19	<=30	Pass	
			50	17.94	0.32	18.26	<=30	Pass	
		100	0	17.90	0.32	18.22	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1710.7	6	0	20	3.27	-19.383	-0.0113	-2.5 to 2.5	Pass	
					3.85	0.000	0.0000	-2.5 to 2.5	Pass	
					4.43	-3.920	-0.0023	-2.5 to 2.5	Pass	
				-30	3.85	-11.458	-0.0067	-2.5 to 2.5	Pass	
					-20	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
						-10	3.85	3.347	0.0020	-2.5 to 2.5
				0	3.85	-8.411	-0.0049	-2.5 to 2.5	Pass	
					10	3.85	-6.266	-0.0037	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0007	-2.5 to 2.5	Pass	
				40	3.85	-9.942	-0.0058	-2.5 to 2.5	Pass	
				50	3.85	-8.841	-0.0052	-2.5 to 2.5	Pass	
				1732.5	6	0	20	3.27	-6.967	-0.0040
	3.85	-6.180	-0.0036					-2.5 to 2.5	Pass	
	4.43	2.046	0.0012					-2.5 to 2.5	Pass	
	-30	3.85	-5.665				-0.0033	-2.5 to 2.5	Pass	
		-20	3.85				-8.140	-0.0047	-2.5 to 2.5	Pass
			-10				3.85	-13.089	-0.0076	-2.5 to 2.5
	0	3.85	-7.410				-0.0043	-2.5 to 2.5	Pass	
		10	3.85				-11.845	-0.0068	-2.5 to 2.5	Pass
	30	3.85	8.626				0.0050	-2.5 to 2.5	Pass	
	40	3.85	-10.715				-0.0062	-2.5 to 2.5	Pass	
	50	3.85	-2.818				-0.0016	-2.5 to 2.5	Pass	
	1754.3	6	0				20	3.27	-0.386	-0.0002
				3.85	-11.115	-0.0063		-2.5 to 2.5	Pass	

					4.43	-11.687	-0.0067	-2.5 to 2.5	Pass				
				-30	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass				
				-20	3.85	7.095	0.0040	-2.5 to 2.5	Pass				
				-10	3.85	5.307	0.0030	-2.5 to 2.5	Pass				
				0	3.85	4.535	0.0026	-2.5 to 2.5	Pass				
				10	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass				
				30	3.85	-12.317	-0.0070	-2.5 to 2.5	Pass				
				40	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass				
				50	3.85	3.691	0.0021	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-14.620	-0.0085	-2.5 to 2.5	Pass				
					3.85	-8.311	-0.0049	-2.5 to 2.5	Pass				
					4.43	0.973	0.0006	-2.5 to 2.5	Pass				
				-30	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass				
					-20	3.85	-8.326	-0.0049	-2.5 to 2.5	Pass			
						-10	3.85	1.445	0.0008	-2.5 to 2.5	Pass		
				1732.5	6	0	20	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass	
								10	3.85	2.604	0.0015	-2.5 to 2.5	Pass
								30	3.85	-9.999	-0.0058	-2.5 to 2.5	Pass
	40	3.85	-10.800				-0.0063	-2.5 to 2.5	Pass				
		50	3.85				-0.529	-0.0003	-2.5 to 2.5	Pass			
	1754.3	6	0				20	3.27	-7.825	-0.0045	-2.5 to 2.5	Pass	
								3.85	0.601	0.0003	-2.5 to 2.5	Pass	
								4.43	-8.554	-0.0049	-2.5 to 2.5	Pass	
				-30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass				
					-20	3.85	-6.995	-0.0040	-2.5 to 2.5	Pass			
						-10	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass		
				1754.3	6	0	20	0	3.85	-15.564	-0.0090	-2.5 to 2.5	Pass
								10	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
								30	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
	40	3.85	-5.751				-0.0033	-2.5 to 2.5	Pass				
		50	3.85				1.845	0.0011	-2.5 to 2.5	Pass			
	1754.3	6	0				20	3.27	-11.187	-0.0064	-2.5 to 2.5	Pass	
								3.85	-10.242	-0.0058	-2.5 to 2.5	Pass	
								4.43	8.168	0.0047	-2.5 to 2.5	Pass	
				-30	3.85	0.143	0.0001	-2.5 to 2.5	Pass				
					-20	3.85	4.320	0.0025	-2.5 to 2.5	Pass			
-10						3.85	5.865	0.0033	-2.5 to 2.5	Pass			
1754.3				6	0	20	0	3.85	-13.547	-0.0077	-2.5 to 2.5	Pass	
							10	3.85	0.286	0.0002	-2.5 to 2.5	Pass	
							30	3.85	1.187	0.0007	-2.5 to 2.5	Pass	
	40	3.85	-5.479			-0.0031	-2.5 to 2.5	Pass					
		50	3.85			5.722	0.0033	-2.5 to 2.5	Pass				

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1711.5	15	0	20	3.27	-1.216	-0.0007	-2.5 to 2.5	Pass	
					3.85	-13.103	-0.0077	-2.5 to 2.5	Pass	
					4.43	1.016	0.0006	-2.5 to 2.5	Pass	
				-30	3.85	-8.011	-0.0047	-2.5 to 2.5	Pass	
					-20	3.85	-7.124	-0.0042	-2.5 to 2.5	Pass
						-10	3.85	-3.662	-0.0021	-2.5 to 2.5
				-30	0	3.85	-8.326	-0.0049	-2.5 to 2.5	Pass

				10	3.85	-11.630	-0.0068	-2.5 to 2.5	Pass	
				30	3.85	-8.512	-0.0050	-2.5 to 2.5	Pass	
				40	3.85	-12.774	-0.0075	-2.5 to 2.5	Pass	
				50	3.85	-11.044	-0.0065	-2.5 to 2.5	Pass	
	1732.5	15	0	20	3.27	5.364	0.0031	-2.5 to 2.5	Pass	
					3.85	-5.836	-0.0034	-2.5 to 2.5	Pass	
					4.43	-2.875	-0.0017	-2.5 to 2.5	Pass	
				-30	3.85	-9.584	-0.0055	-2.5 to 2.5	Pass	
				-20	3.85	-10.886	-0.0063	-2.5 to 2.5	Pass	
				-10	3.85	-10.371	-0.0060	-2.5 to 2.5	Pass	
				0	3.85	-7.410	-0.0043	-2.5 to 2.5	Pass	
				10	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass	
				30	3.85	3.247	0.0019	-2.5 to 2.5	Pass	
				40	3.85	3.219	0.0019	-2.5 to 2.5	Pass	
				50	3.85	3.877	0.0022	-2.5 to 2.5	Pass	
				1753.5	15	0	20	3.27	-12.116	-0.0069
	3.85	-6.180	-0.0035					-2.5 to 2.5	Pass	
	4.43	3.991	0.0023					-2.5 to 2.5	Pass	
	-30	3.85	-2.475				-0.0014	-2.5 to 2.5	Pass	
	-20	3.85	-3.519				-0.0020	-2.5 to 2.5	Pass	
	-10	3.85	-15.779				-0.0090	-2.5 to 2.5	Pass	
	0	3.85	-0.057				0.0000	-2.5 to 2.5	Pass	
	10	3.85	2.661				0.0015	-2.5 to 2.5	Pass	
	30	3.85	-20.986				-0.0120	-2.5 to 2.5	Pass	
	40	3.85	-15.063				-0.0086	-2.5 to 2.5	Pass	
	50	3.85	-2.775				-0.0016	-2.5 to 2.5	Pass	
	16QAM	1711.5	15				0	20	3.27	-10.700
				3.85	-14.062	-0.0082			-2.5 to 2.5	Pass
				4.43	-12.145	-0.0071			-2.5 to 2.5	Pass
				-30	3.85	-13.976		-0.0082	-2.5 to 2.5	Pass
-20				3.85	-18.311	-0.0107		-2.5 to 2.5	Pass	
-10				3.85	-12.188	-0.0071		-2.5 to 2.5	Pass	
0				3.85	-9.699	-0.0057		-2.5 to 2.5	Pass	
10				3.85	-0.801	-0.0005		-2.5 to 2.5	Pass	
30				3.85	-15.535	-0.0091		-2.5 to 2.5	Pass	
40				3.85	-0.429	-0.0003		-2.5 to 2.5	Pass	
50				3.85	-9.298	-0.0054		-2.5 to 2.5	Pass	
1732.5				15	0	20		3.27	3.061	0.0018
		3.85	7.238				0.0042	-2.5 to 2.5	Pass	
		4.43	1.588				0.0009	-2.5 to 2.5	Pass	
		-30	3.85			-7.024	-0.0041	-2.5 to 2.5	Pass	
		-20	3.85			1.073	0.0006	-2.5 to 2.5	Pass	
		-10	3.85			-16.093	-0.0093	-2.5 to 2.5	Pass	
		0	3.85			-11.530	-0.0067	-2.5 to 2.5	Pass	
		10	3.85			-8.154	-0.0047	-2.5 to 2.5	Pass	
		30	3.85			-12.231	-0.0071	-2.5 to 2.5	Pass	
		40	3.85			-8.769	-0.0051	-2.5 to 2.5	Pass	
		50	3.85			-16.422	-0.0095	-2.5 to 2.5	Pass	
		1753.5	15			0	20	3.27	-14.906	-0.0085
3.85				3.076	0.0018			-2.5 to 2.5	Pass	
4.43				-10.371	-0.0059			-2.5 to 2.5	Pass	
-30				3.85	-4.177		-0.0024	-2.5 to 2.5	Pass	
-20				3.85	-5.407		-0.0031	-2.5 to 2.5	Pass	
-10				3.85	-8.554		-0.0049	-2.5 to 2.5	Pass	
0				3.85	-0.830		-0.0005	-2.5 to 2.5	Pass	
10				3.85	0.973		0.0006	-2.5 to 2.5	Pass	
30	3.85			-7.138	-0.0041		-2.5 to 2.5	Pass		
40	3.85			-12.517	-0.0071		-2.5 to 2.5	Pass		
50	3.85			-3.247	-0.0019		-2.5 to 2.5	Pass		

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-7.324	-0.0043	-2.5 to 2.5	Pass
					3.85	0.057	0.0000	-2.5 to 2.5	Pass
					4.43	-6.824	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-1.631	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-6.938	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-11.387	-0.0066	-2.5 to 2.5	Pass
	50	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.27	-10.200	-0.0059	-2.5 to 2.5	Pass
					3.85	-6.666	-0.0038	-2.5 to 2.5	Pass
					4.43	-4.292	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-10.686	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				0	3.85	-8.926	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
	50	3.85	-15.063	-0.0087	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.27	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	-9.756	-0.0056	-2.5 to 2.5	Pass
					4.43	-3.676	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-4.621	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-13.304	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-10.529	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-8.612	-0.0049	-2.5 to 2.5	Pass
30				3.85	-0.687	-0.0004	-2.5 to 2.5	Pass	
40				3.85	-8.669	-0.0049	-2.5 to 2.5	Pass	
50	3.85	10.500	0.0060	-2.5 to 2.5	Pass				
16QAM	1712.5	25	0	20	3.27	-9.041	-0.0053	-2.5 to 2.5	Pass
					3.85	7.410	0.0043	-2.5 to 2.5	Pass
					4.43	-9.441	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-7.224	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-6.437	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				40	3.85	5.035	0.0029	-2.5 to 2.5	Pass
	50	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.27	-7.138	-0.0041	-2.5 to 2.5	Pass
					3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
					4.43	-14.420	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-11.673	-0.0067	-2.5 to 2.5	Pass

				-10	3.85	-12.388	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-17.309	-0.0100	-2.5 to 2.5	Pass
				10	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				40	3.85	0.358	0.0002	-2.5 to 2.5	Pass
	50	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.27	-5.794	-0.0033	-2.5 to 2.5	Pass
					3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
					4.43	-3.676	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-7.639	-0.0044	-2.5 to 2.5	Pass
				0	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				10	3.85	-6.852	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-12.131	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-7.052	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-3.748	-0.0021	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1715	50	0	20	3.27	-7.696	-0.0045	-2.5 to 2.5	Pass			
					3.85	-4.034	-0.0024	-2.5 to 2.5	Pass			
					4.43	-8.183	-0.0048	-2.5 to 2.5	Pass			
				-30	3.85	-8.698	-0.0051	-2.5 to 2.5	Pass			
				-20	3.85	-8.240	-0.0048	-2.5 to 2.5	Pass			
				-10	3.85	-7.310	-0.0043	-2.5 to 2.5	Pass			
				0	3.85	-5.822	-0.0034	-2.5 to 2.5	Pass			
				10	3.85	-13.261	-0.0077	-2.5 to 2.5	Pass			
				30	3.85	-7.553	-0.0044	-2.5 to 2.5	Pass			
				40	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass			
				50	3.85	-7.739	-0.0045	-2.5 to 2.5	Pass			
				1732.5	50	0	20	3.27	-3.076	-0.0018	-2.5 to 2.5	Pass
								3.85	6.824	0.0039	-2.5 to 2.5	Pass
								4.43	-2.146	-0.0012	-2.5 to 2.5	Pass
							-30	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
	-20	3.85	-5.894				-0.0034	-2.5 to 2.5	Pass			
	-10	3.85	-5.379				-0.0031	-2.5 to 2.5	Pass			
	0	3.85	-5.550				-0.0032	-2.5 to 2.5	Pass			
	10	3.85	-0.529				-0.0003	-2.5 to 2.5	Pass			
	30	3.85	0.973				0.0006	-2.5 to 2.5	Pass			
	40	3.85	-8.297				-0.0048	-2.5 to 2.5	Pass			
	50	3.85	-4.821				-0.0028	-2.5 to 2.5	Pass			
	1750	50	0				20	3.27	-0.572	-0.0003	-2.5 to 2.5	Pass
								3.85	-3.691	-0.0021	-2.5 to 2.5	Pass
								4.43	-4.492	-0.0026	-2.5 to 2.5	Pass
							-30	3.85	-8.311	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-7.710	-0.0044	-2.5 to 2.5	Pass			
				-10	3.85	-6.266	-0.0036	-2.5 to 2.5	Pass			
				0	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass			
				10	3.85	-8.383	-0.0048	-2.5 to 2.5	Pass			
30				3.85	-8.097	-0.0046	-2.5 to 2.5	Pass				
40				3.85	-0.772	-0.0004	-2.5 to 2.5	Pass				

16QAM	1715	50	0	50	3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
				20	3.27	2.475	0.0014	-2.5 to 2.5	Pass
					3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				-30	4.43	-1.616	-0.0009	-2.5 to 2.5	Pass
					3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-5.107	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-6.323	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-8.183	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-4.406	-0.0026	-2.5 to 2.5	Pass
	40	3.85	1.402	0.0008	-2.5 to 2.5	Pass			
	50	3.85	-4.134	-0.0024	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.27	-7.124	-0.0041	-2.5 to 2.5	Pass
					3.85	1.173	0.0007	-2.5 to 2.5	Pass
				-30	4.43	-9.470	-0.0055	-2.5 to 2.5	Pass
					3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.691	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	4.148	0.0024	-2.5 to 2.5	Pass
				0	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
	50	3.85	-2.518	-0.0015	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	-5.779	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.366	-0.0036	-2.5 to 2.5	Pass
				-30	4.43	1.731	0.0010	-2.5 to 2.5	Pass
					3.85	-9.069	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-9.027	-0.0052	-2.5 to 2.5	Pass
10				3.85	-3.619	-0.0021	-2.5 to 2.5	Pass	
30				3.85	-11.129	-0.0064	-2.5 to 2.5	Pass	
40				3.85	3.347	0.0019	-2.5 to 2.5	Pass	
50	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass				

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-10.543	-0.0061	-2.5 to 2.5	Pass
					3.85	-13.247	-0.0077	-2.5 to 2.5	Pass
					4.43	-8.912	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-10.457	-0.0061	-2.5 to 2.5	Pass
					3.85	-11.029	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-8.898	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
				10	3.85	9.828	0.0057	-2.5 to 2.5	Pass
				30	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass
	40	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass			
	50	3.85	-9.971	-0.0058	-2.5 to 2.5	Pass			
	1732.5	75	0	-30	3.27	-9.971	-0.0058	-2.5 to 2.5	Pass
					3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
4.43					-0.758	-0.0004	-2.5 to 2.5	Pass	
3.85					-8.082	-0.0047	-2.5 to 2.5	Pass	

				-20	3.85	-1.659	-0.0010	-2.5 to 2.5	Pass	
				-10	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass	
				0	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass	
				10	3.85	-2.518	-0.0015	-2.5 to 2.5	Pass	
				30	3.85	-3.562	-0.0021	-2.5 to 2.5	Pass	
				40	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass	
	50	3.85	-8.512	-0.0049	-2.5 to 2.5	Pass				
	1747.5	75	0	20	3.27	-9.570	-0.0055	-2.5 to 2.5	Pass	
					3.85	-6.137	-0.0035	-2.5 to 2.5	Pass	
					4.43	-5.307	-0.0030	-2.5 to 2.5	Pass	
				-30	3.85	-4.907	-0.0028	-2.5 to 2.5	Pass	
				-20	3.85	-8.054	-0.0046	-2.5 to 2.5	Pass	
				-10	3.85	-9.112	-0.0052	-2.5 to 2.5	Pass	
		0	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass			
		10	3.85	-10.357	-0.0059	-2.5 to 2.5	Pass			
		30	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass			
		40	3.85	-6.795	-0.0039	-2.5 to 2.5	Pass			
		50	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass			
16QAM		1717.5	75	0	20	3.27	-2.832	-0.0016	-2.5 to 2.5	Pass
	3.85					-7.911	-0.0046	-2.5 to 2.5	Pass	
	4.43					-8.855	-0.0052	-2.5 to 2.5	Pass	
	-30				3.85	-2.518	-0.0015	-2.5 to 2.5	Pass	
	-20				3.85	-0.930	-0.0005	-2.5 to 2.5	Pass	
	-10				3.85	-0.172	-0.0001	-2.5 to 2.5	Pass	
	0		3.85	-6.566	-0.0038	-2.5 to 2.5	Pass			
	10		3.85	-5.422	-0.0032	-2.5 to 2.5	Pass			
	30		3.85	-5.722	-0.0033	-2.5 to 2.5	Pass			
	40		3.85	-5.550	-0.0032	-2.5 to 2.5	Pass			
	50		3.85	-0.486	-0.0003	-2.5 to 2.5	Pass			
	1732.5		75	0	20	3.27	-2.432	-0.0014	-2.5 to 2.5	Pass
		3.85				-6.180	-0.0036	-2.5 to 2.5	Pass	
		4.43				-6.409	-0.0037	-2.5 to 2.5	Pass	
		-30			3.85	-8.197	-0.0047	-2.5 to 2.5	Pass	
		-20			3.85	-2.532	-0.0015	-2.5 to 2.5	Pass	
		-10			3.85	-8.311	-0.0048	-2.5 to 2.5	Pass	
		0	3.85	0.629	0.0004	-2.5 to 2.5	Pass			
		10	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass			
		30	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass			
		40	3.85	1.917	0.0011	-2.5 to 2.5	Pass			
		50	3.85	-7.510	-0.0043	-2.5 to 2.5	Pass			
		1747.5	75	0	20	3.27	-4.063	-0.0023	-2.5 to 2.5	Pass
						3.85	-8.326	-0.0048	-2.5 to 2.5	Pass
						4.43	-8.469	-0.0048	-2.5 to 2.5	Pass
					-30	3.85	-8.512	-0.0049	-2.5 to 2.5	Pass
					-20	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
					-10	3.85	-3.047	-0.0017	-2.5 to 2.5	Pass
			0	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass		
	10		3.85	-7.052	-0.0040	-2.5 to 2.5	Pass			
30	3.85		-6.480	-0.0037	-2.5 to 2.5	Pass				
40	3.85		-9.055	-0.0052	-2.5 to 2.5	Pass				
50	3.85		-7.997	-0.0046	-2.5 to 2.5	Pass				

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-8.969	-0.0052	-2.5 to 2.5	Pass
					3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
					4.43	-8.383	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-8.240	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-8.554	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-10.543	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
				10	3.85	8.311	0.0048	-2.5 to 2.5	Pass
				30	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
	40	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass			
	50	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	-4.606	-0.0027	-2.5 to 2.5	Pass
					3.85	5.050	0.0029	-2.5 to 2.5	Pass
					4.43	-8.254	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	5.922	0.0034	-2.5 to 2.5	Pass
				-20	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-7.696	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
	40	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass			
	50	3.85	2.904	0.0017	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-11.144	-0.0064	-2.5 to 2.5	Pass
					3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
					4.43	-1.831	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-3.176	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
-10				3.85	-11.315	-0.0065	-2.5 to 2.5	Pass	
0				3.85	-3.104	-0.0018	-2.5 to 2.5	Pass	
10				3.85	-4.692	-0.0027	-2.5 to 2.5	Pass	
30				3.85	-9.384	-0.0054	-2.5 to 2.5	Pass	
40	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass				
50	3.85	-9.341	-0.0054	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.27	-0.973	-0.0006	-2.5 to 2.5	Pass
					3.85	-9.370	-0.0054	-2.5 to 2.5	Pass
					4.43	-4.592	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-8.683	-0.0050	-2.5 to 2.5	Pass
				0	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass
	40	3.85	1.745	0.0010	-2.5 to 2.5	Pass			
	50	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	-5.150	-0.0030	-2.5 to 2.5	Pass
					3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
					4.43	-2.418	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	3.676	0.0021	-2.5 to 2.5	Pass
				-20	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-7.296	-0.0042	-2.5 to 2.5	Pass
				10	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				30	3.85	1.173	0.0007	-2.5 to 2.5	Pass
	40	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass			
50	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass				
1745	100	0	20	3.27	-5.822	-0.0033	-2.5 to 2.5	Pass	
				3.85	-7.911	-0.0045	-2.5 to 2.5	Pass	

					4.43	-6.738	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-9.527	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-6.852	-0.0039	-2.5 to 2.5	Pass

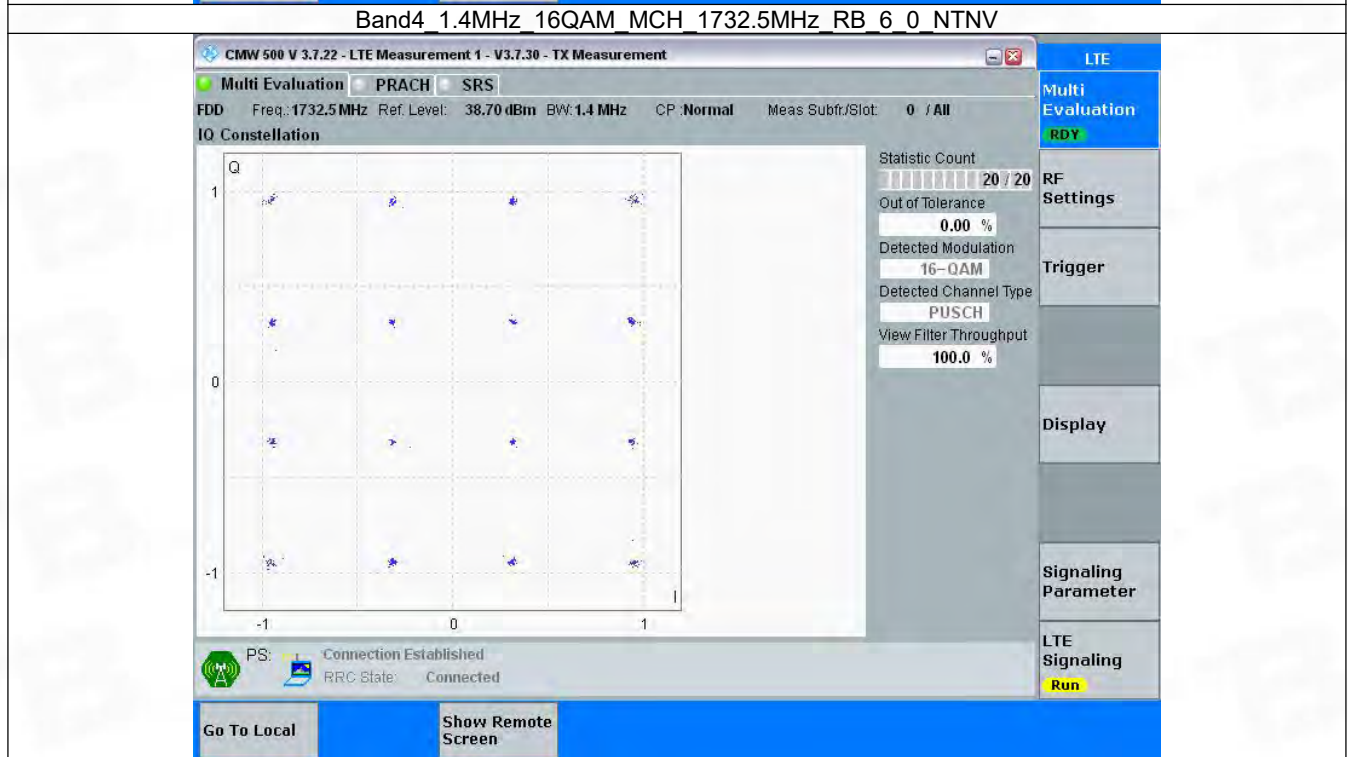
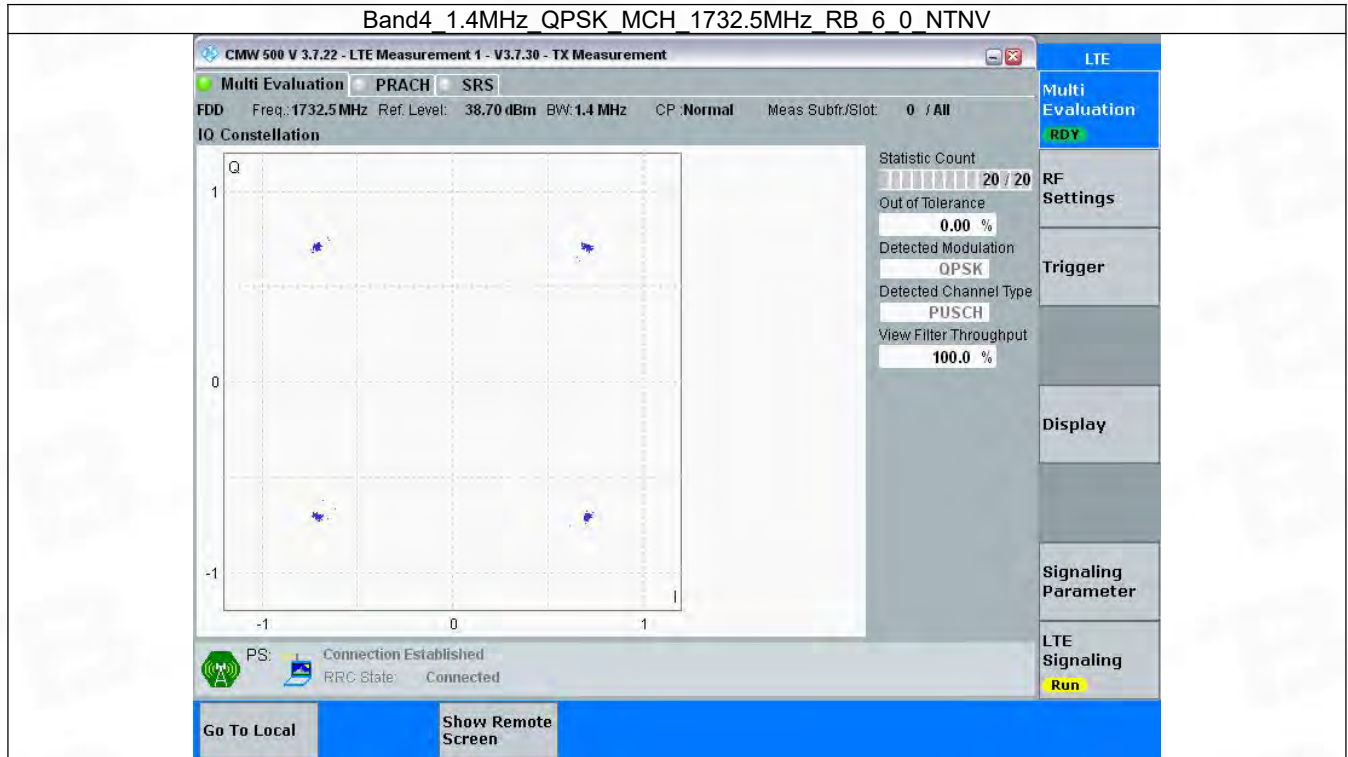
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

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

3.1.2 Test Graph

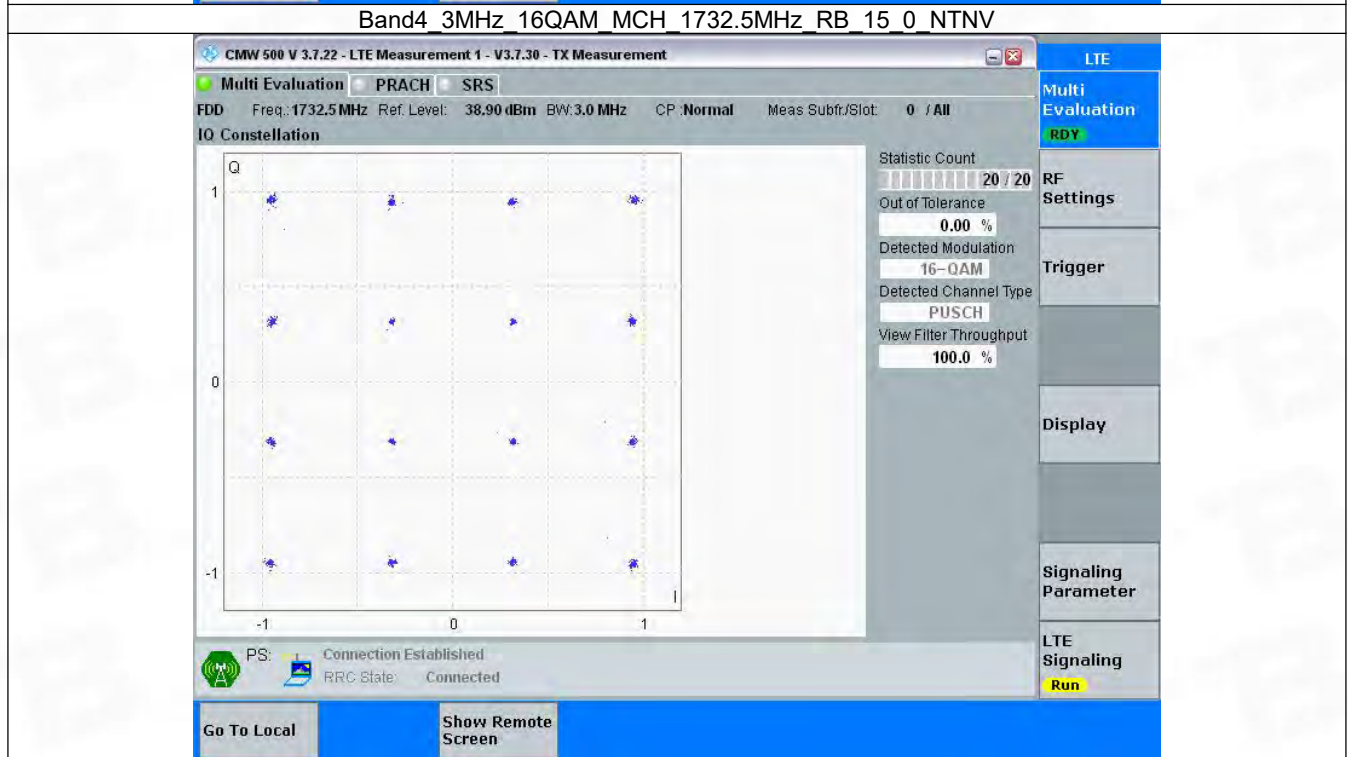
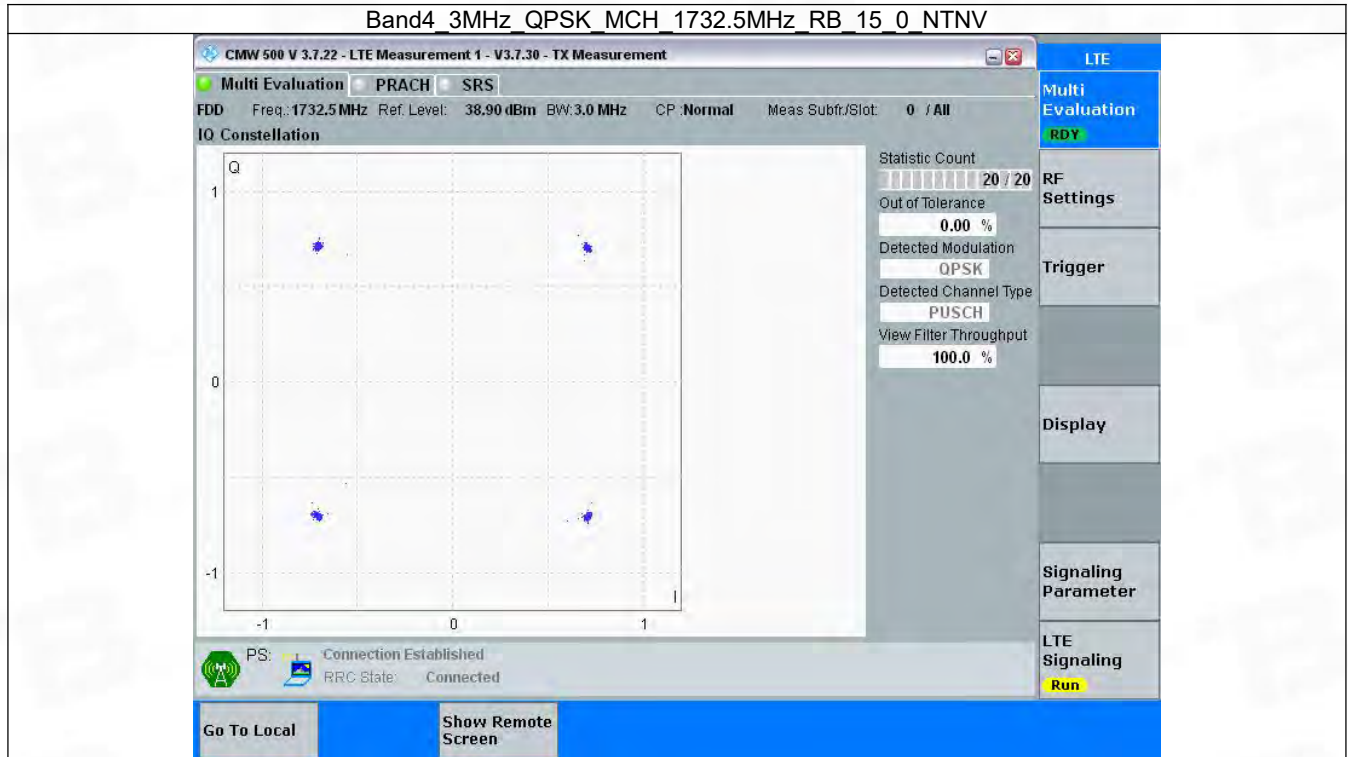


3.2 B4_3MHz

3.2.1 Test Result

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

3.2.2 Test Graph

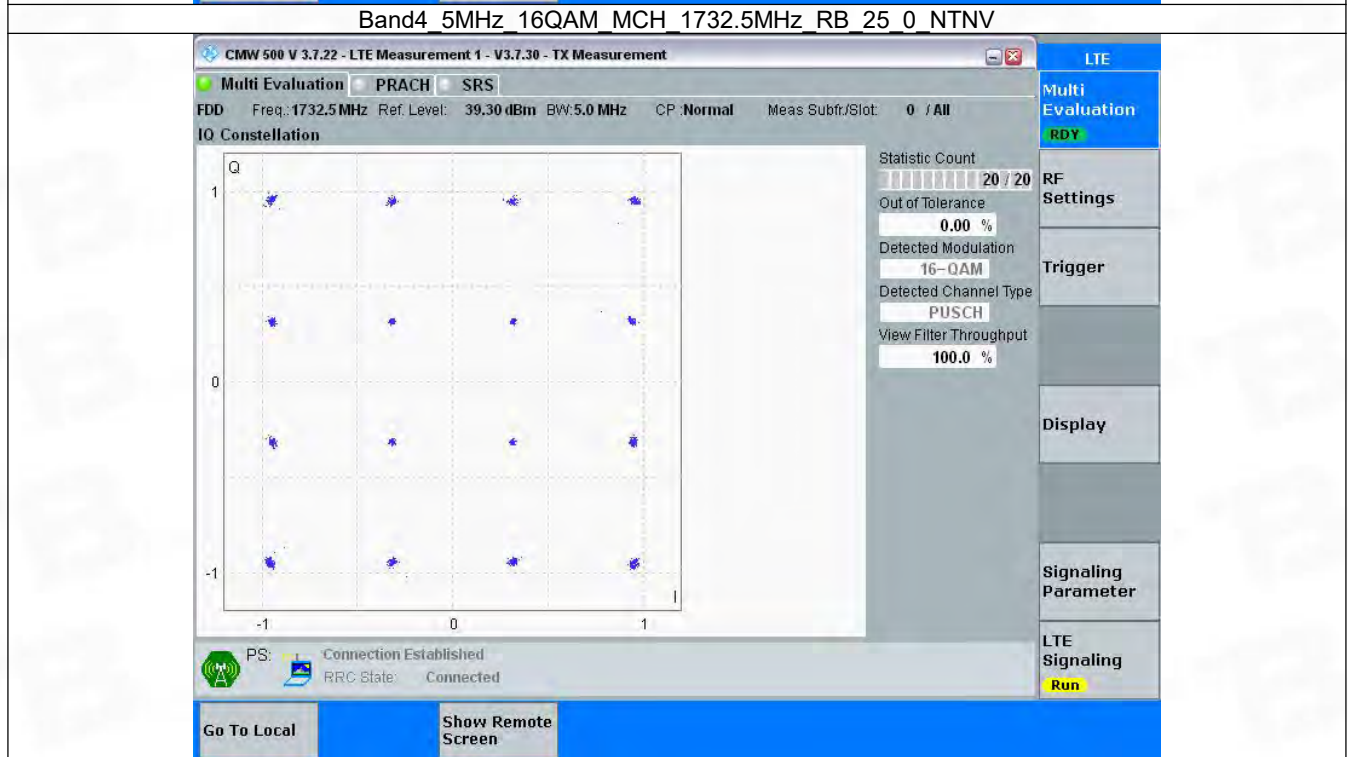
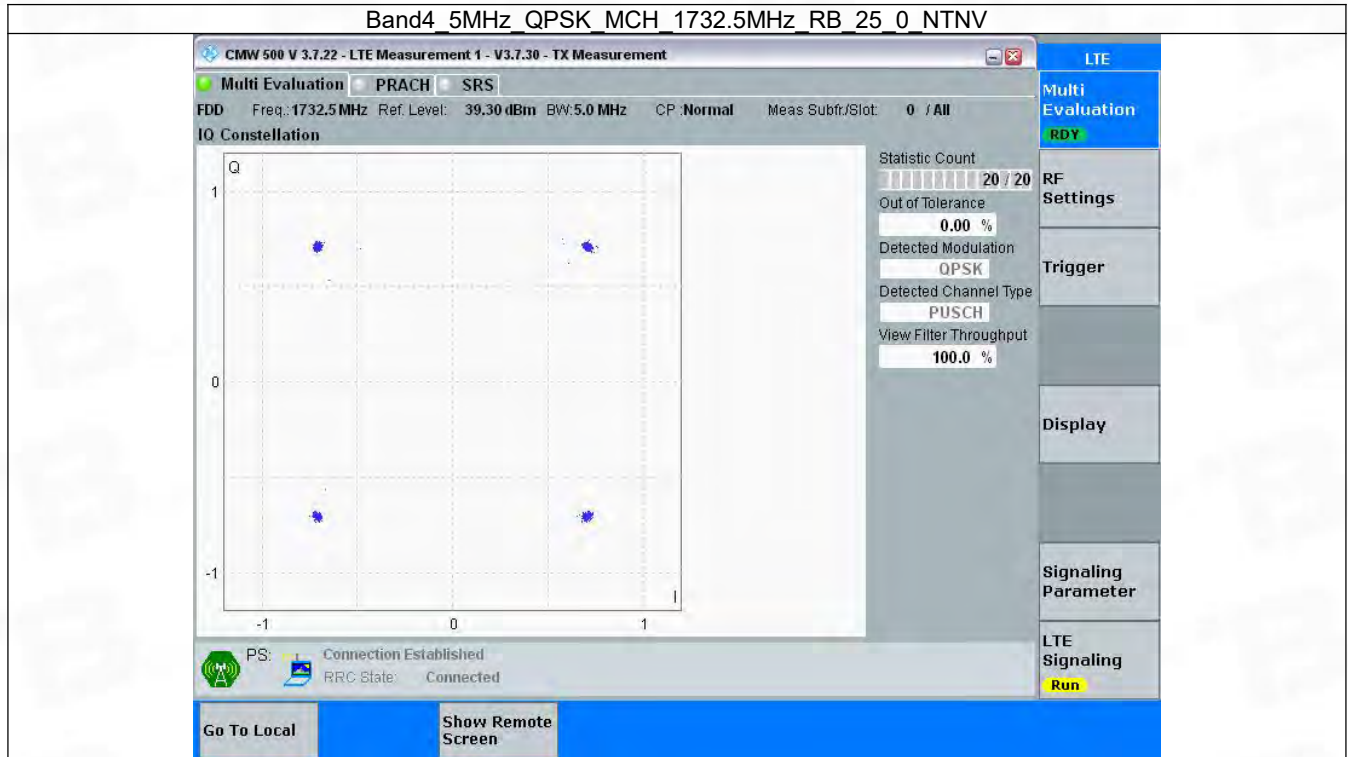


3.3 B4_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph

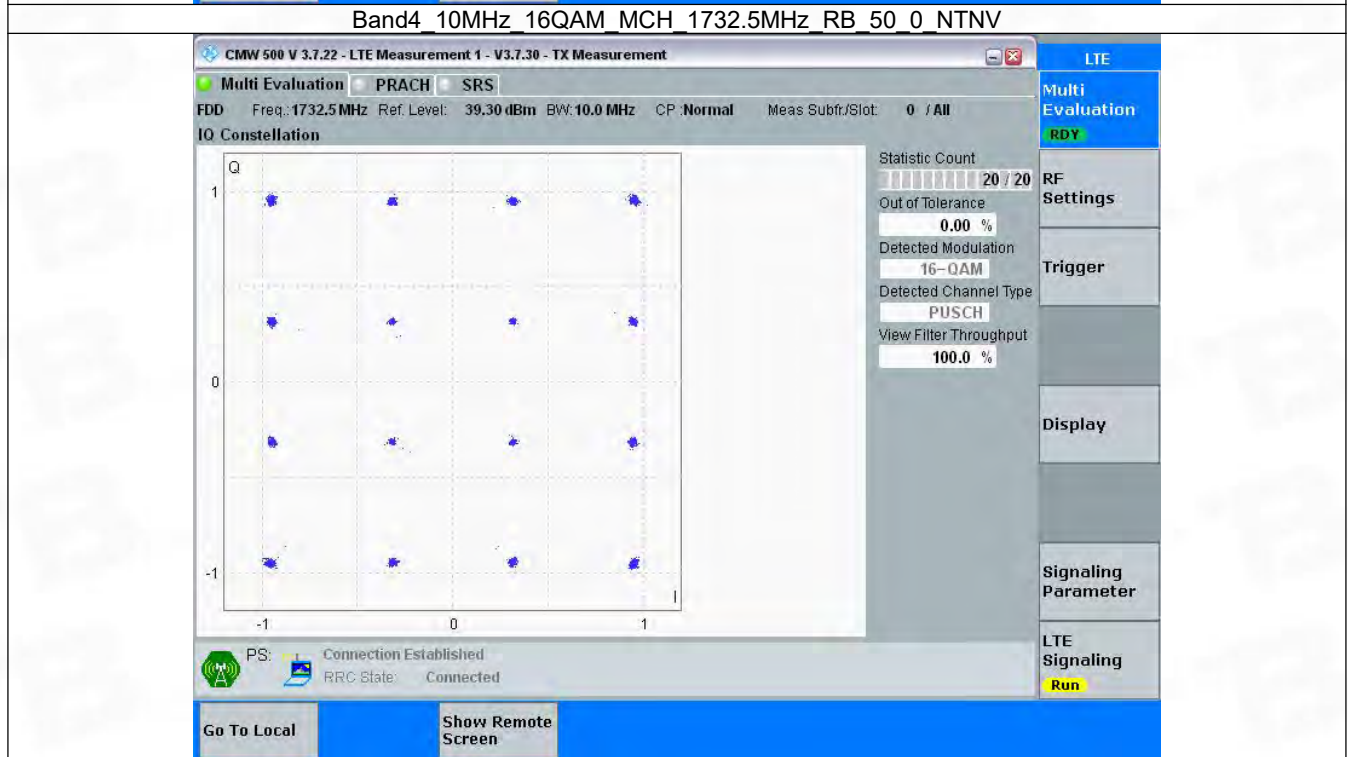
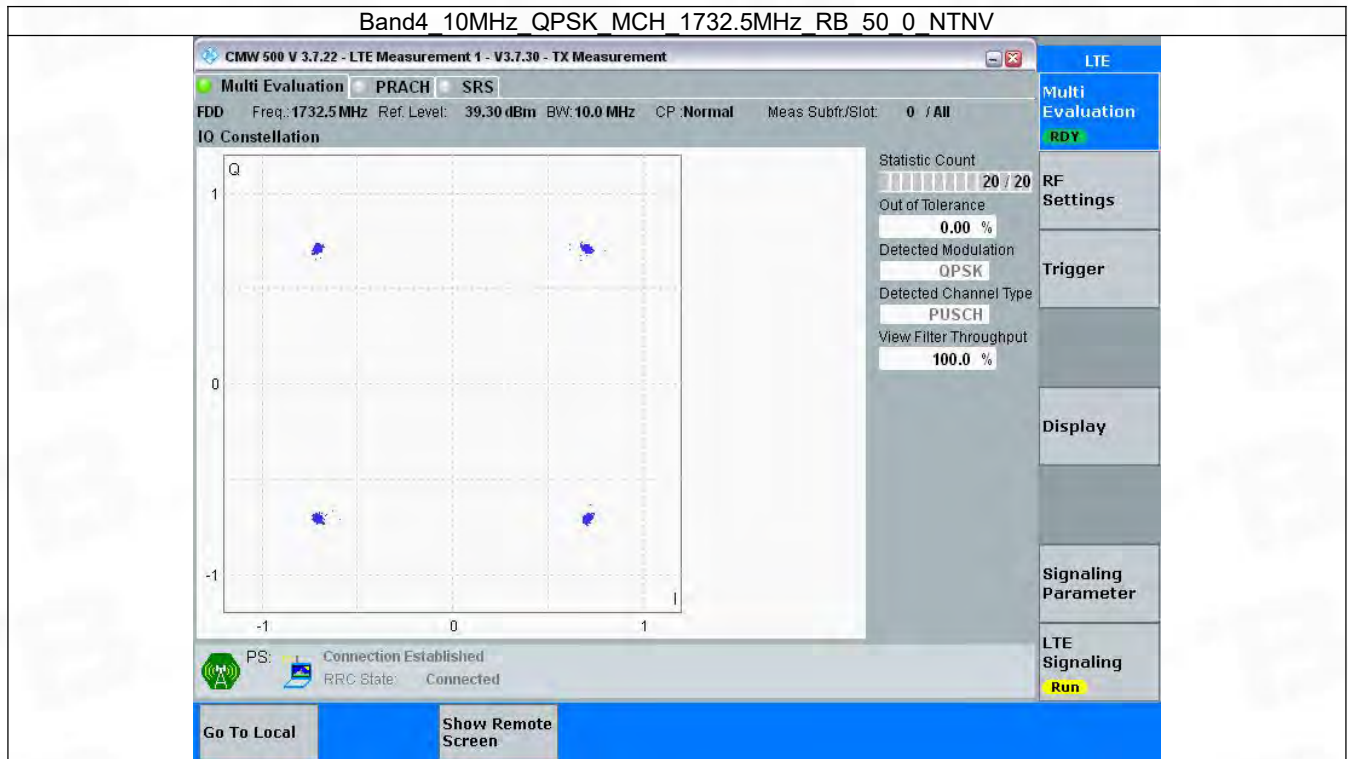


3.4 B4_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph

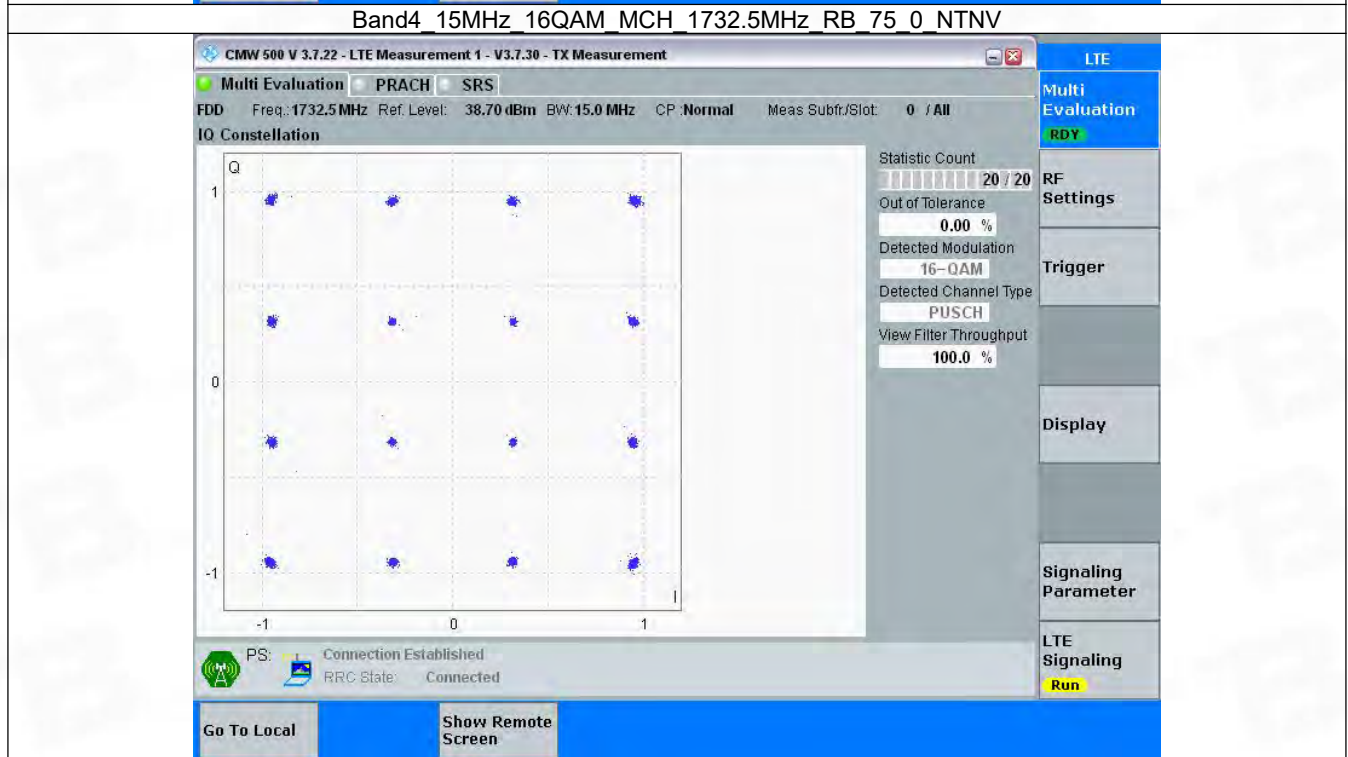
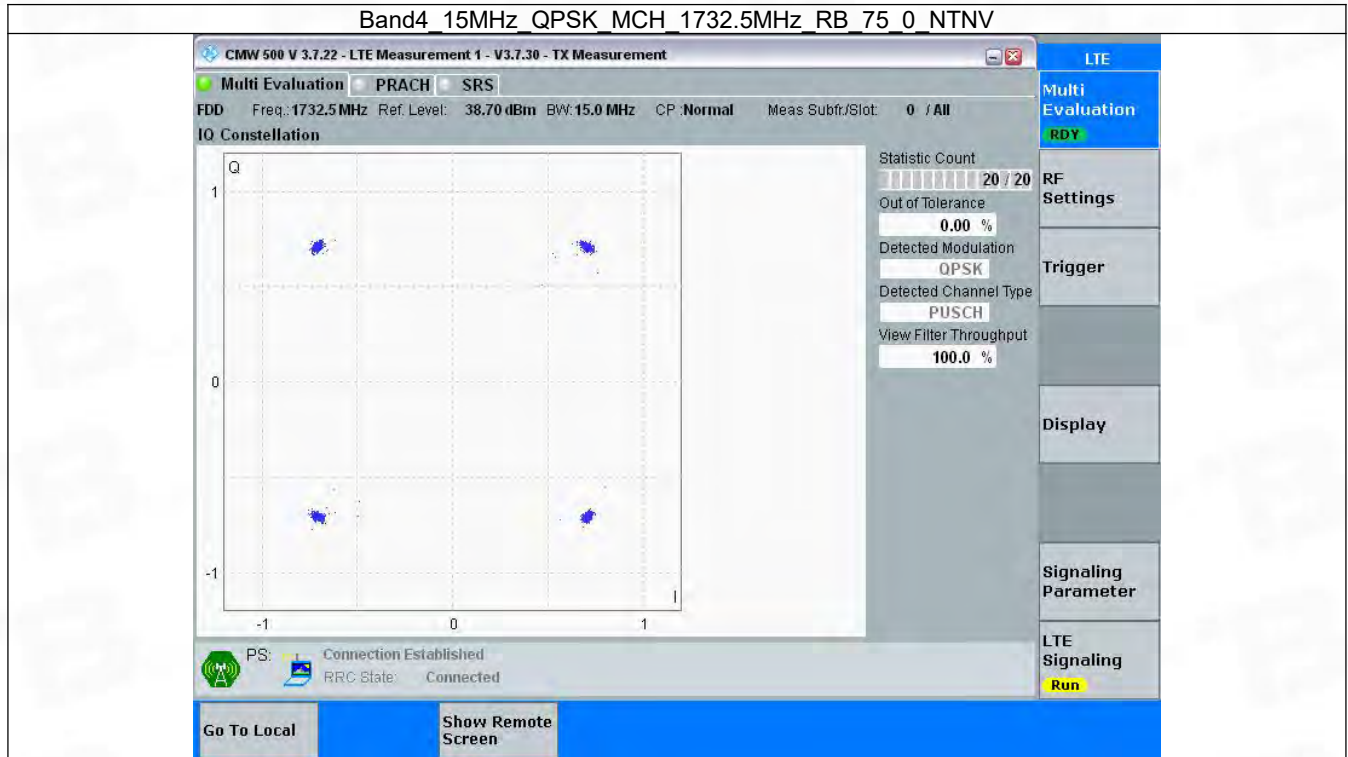


3.5 B4_15MHz

3.5.1 Test Result

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

3.5.2 Test Graph

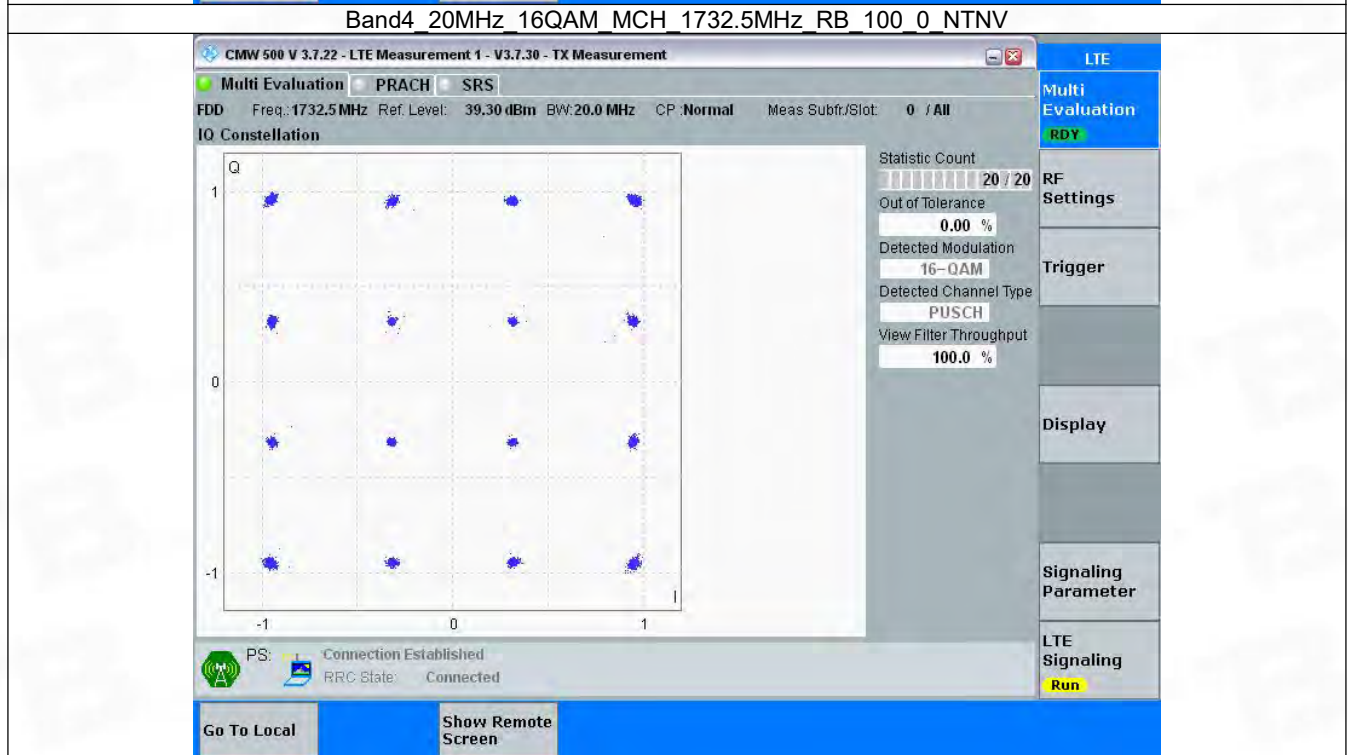
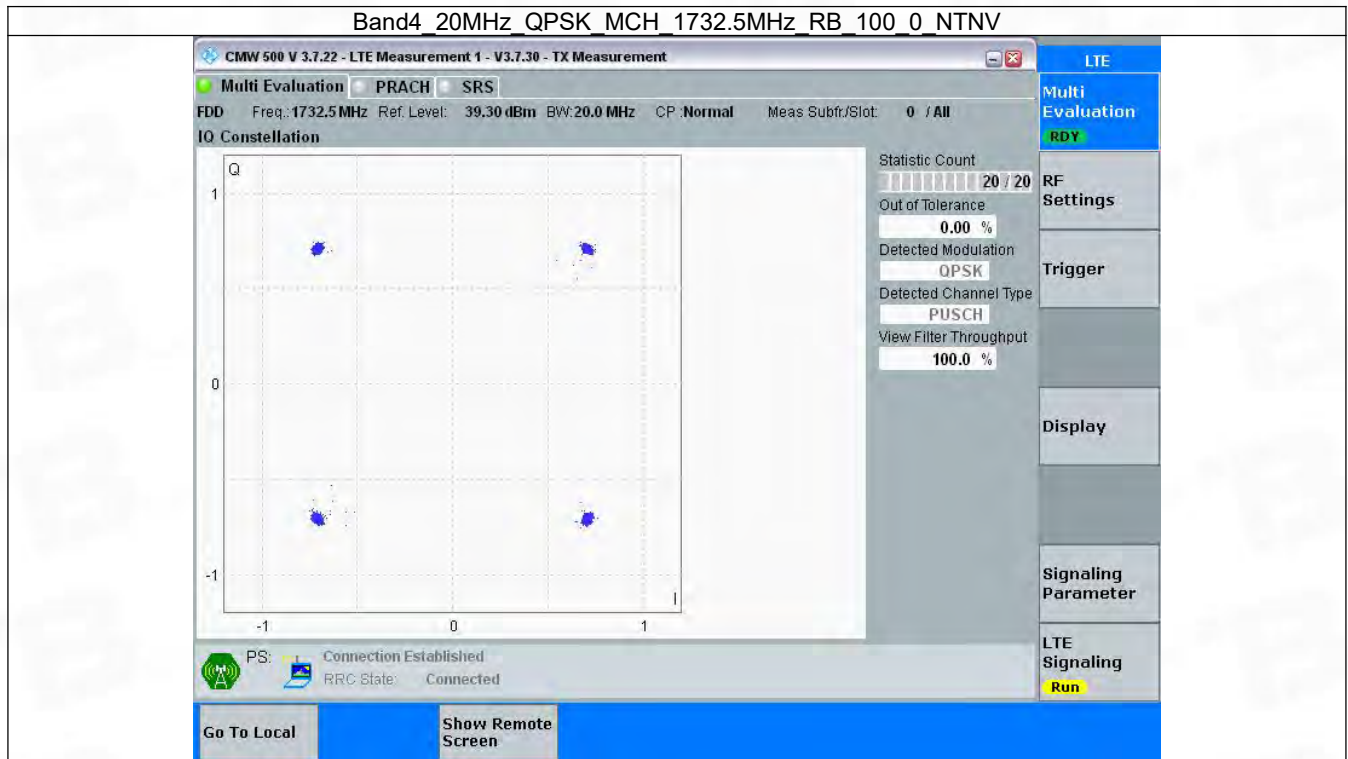


3.6 B4_20MHz

3.6.1 Test Result

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

3.6.2 Test Graph



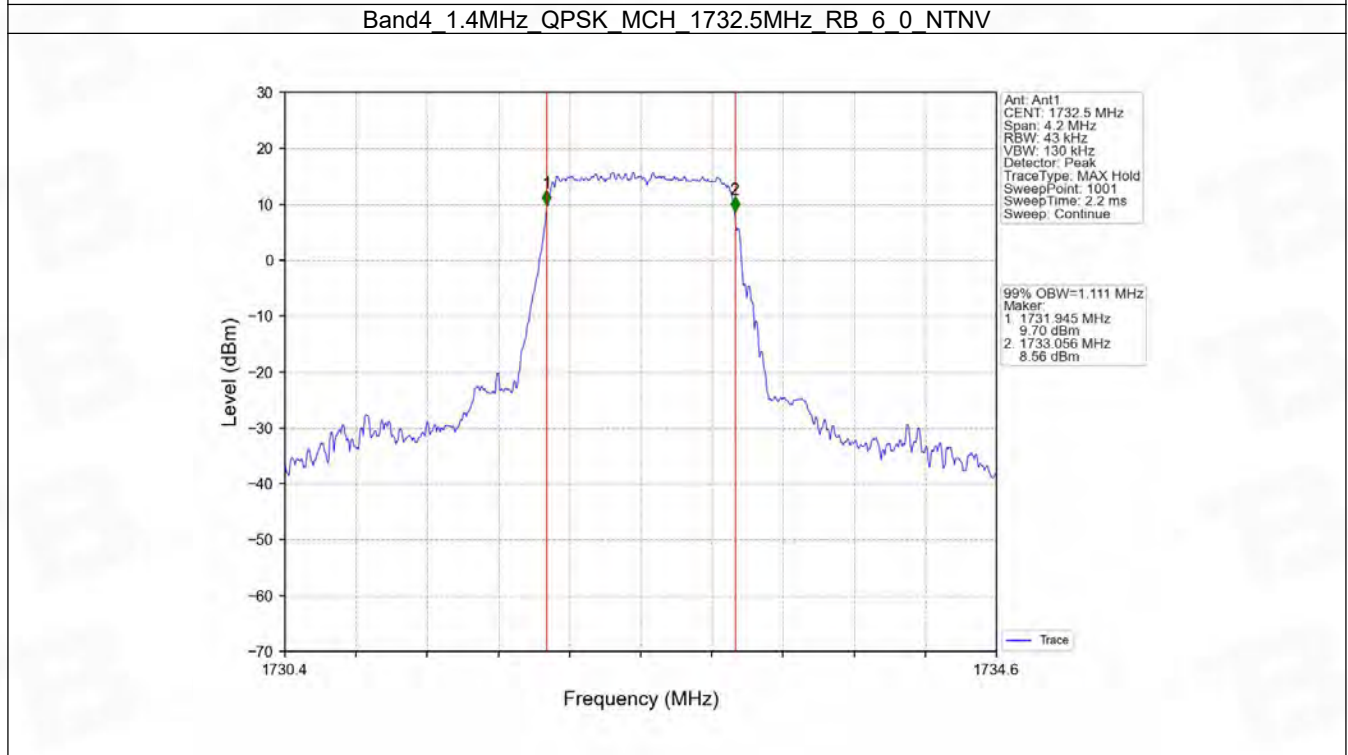
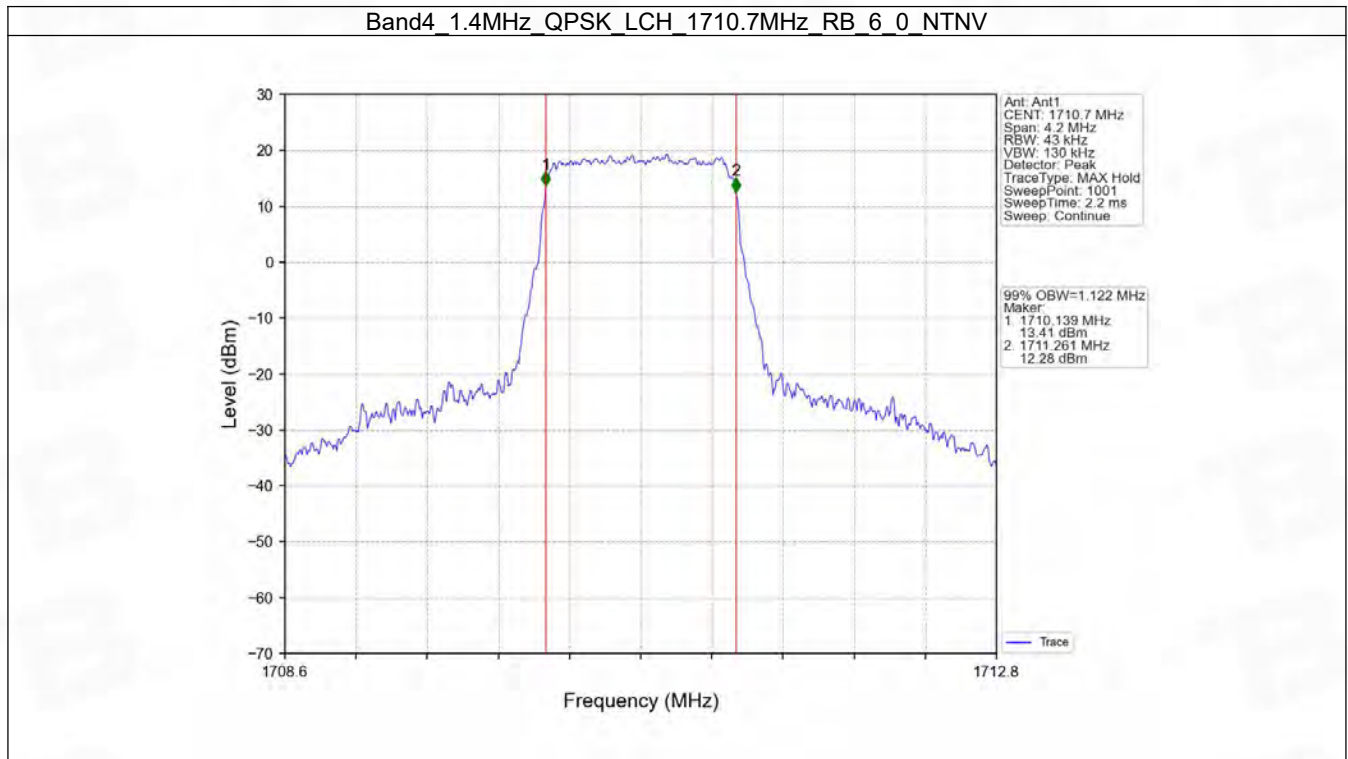
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

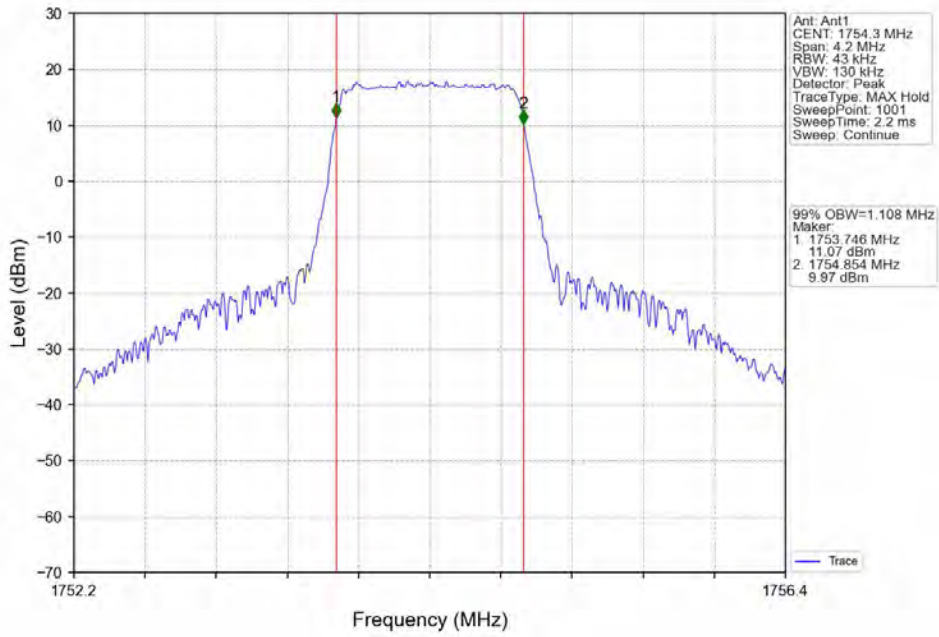
4.1.1 Test Result

Band: 4 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.122	Pass
		1732.5	6	0	1.111	Pass
		1754.3	6	0	1.108	Pass
	16QAM	1710.7	6	0	1.106	Pass
		1732.5	6	0	1.105	Pass
		1754.3	6	0	1.112	Pass
3	QPSK	1711.5	15	0	2.721	Pass
		1732.5	15	0	2.721	Pass
		1753.5	15	0	2.723	Pass
	16QAM	1711.5	15	0	2.721	Pass
		1732.5	15	0	2.722	Pass
		1753.5	15	0	2.724	Pass
5	QPSK	1712.5	25	0	4.556	Pass
		1732.5	25	0	4.557	Pass
		1752.5	25	0	4.593	Pass
	16QAM	1712.5	25	0	4.581	Pass
		1732.5	25	0	4.574	Pass
		1752.5	25	0	4.564	Pass
10	QPSK	1715	50	0	9.082	Pass
		1732.5	50	0	9.067	Pass
		1750	50	0	9.072	Pass
	16QAM	1715	50	0	9.069	Pass
		1732.5	50	0	9.098	Pass
		1750	50	0	9.091	Pass
15	QPSK	1717.5	75	0	13.626	Pass
		1732.5	75	0	13.620	Pass
		1747.5	75	0	13.623	Pass
	16QAM	1717.5	75	0	13.607	Pass
		1732.5	75	0	13.676	Pass
		1747.5	75	0	13.555	Pass
20	QPSK	1720	100	0	18.142	Pass
		1732.5	100	0	18.262	Pass
		1745	100	0	18.185	Pass
	16QAM	1720	100	0	18.120	Pass
		1732.5	100	0	18.213	Pass
		1745	100	0	18.201	Pass

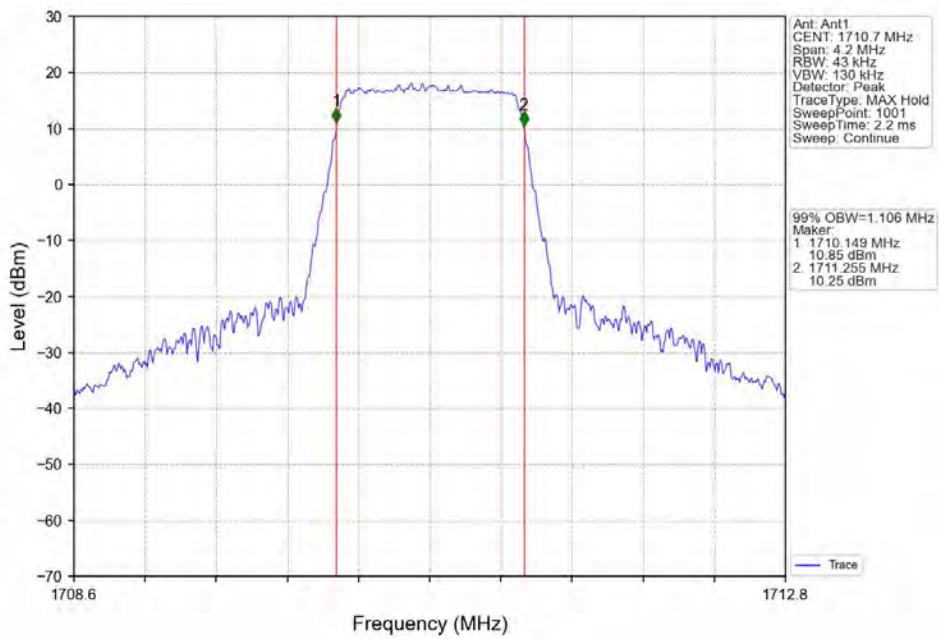
4.1.2 Test Graph



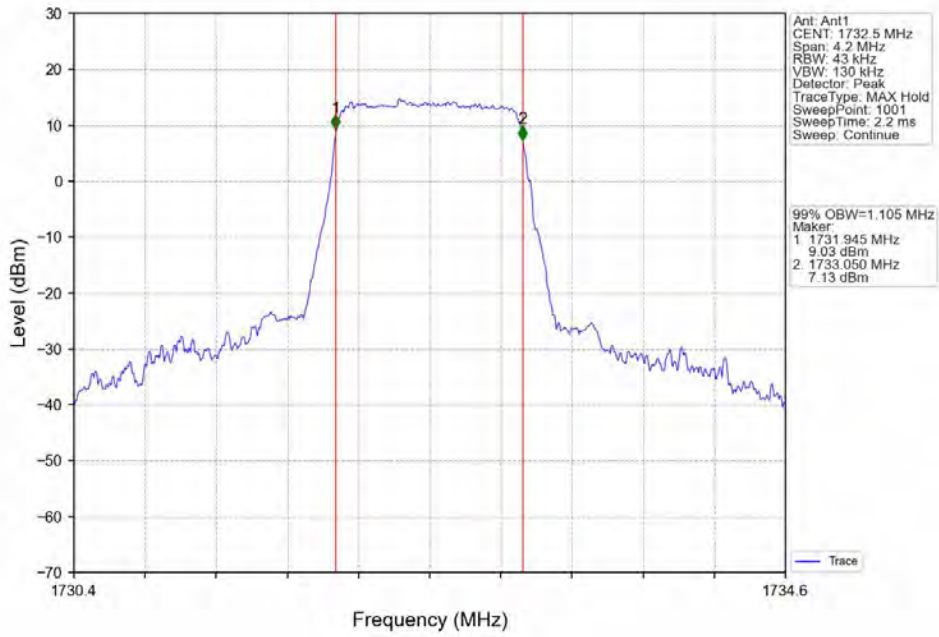
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



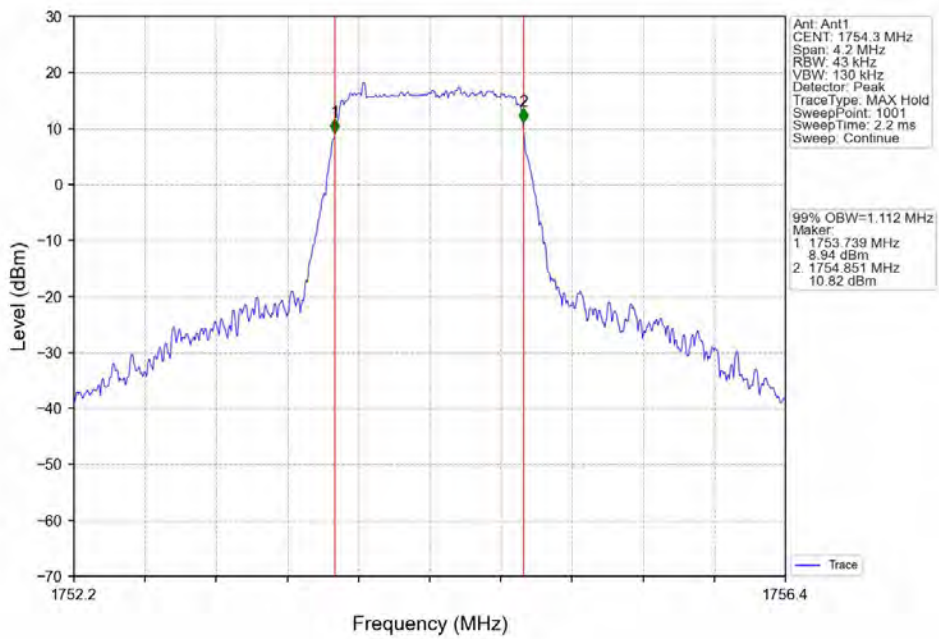
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



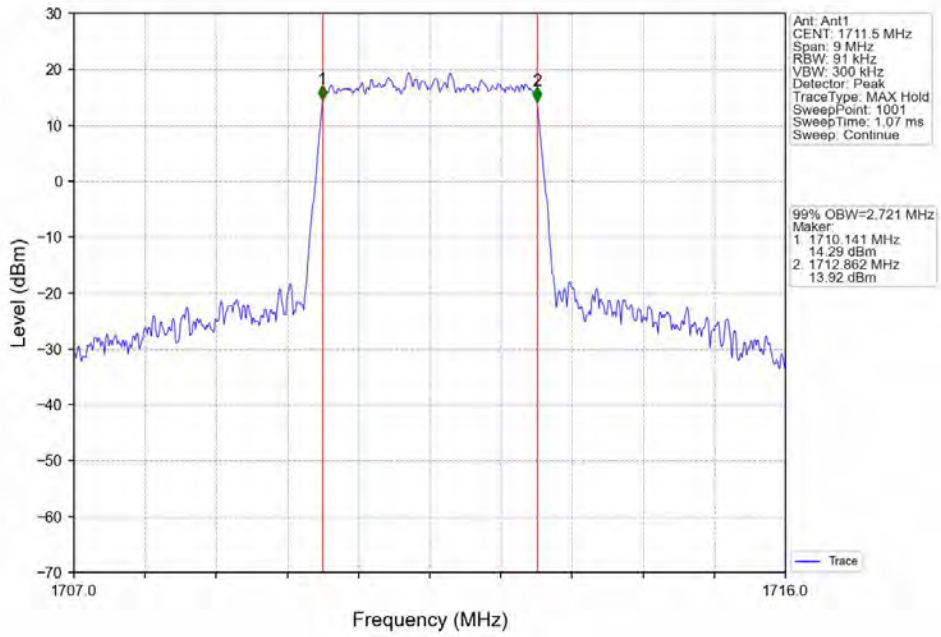
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



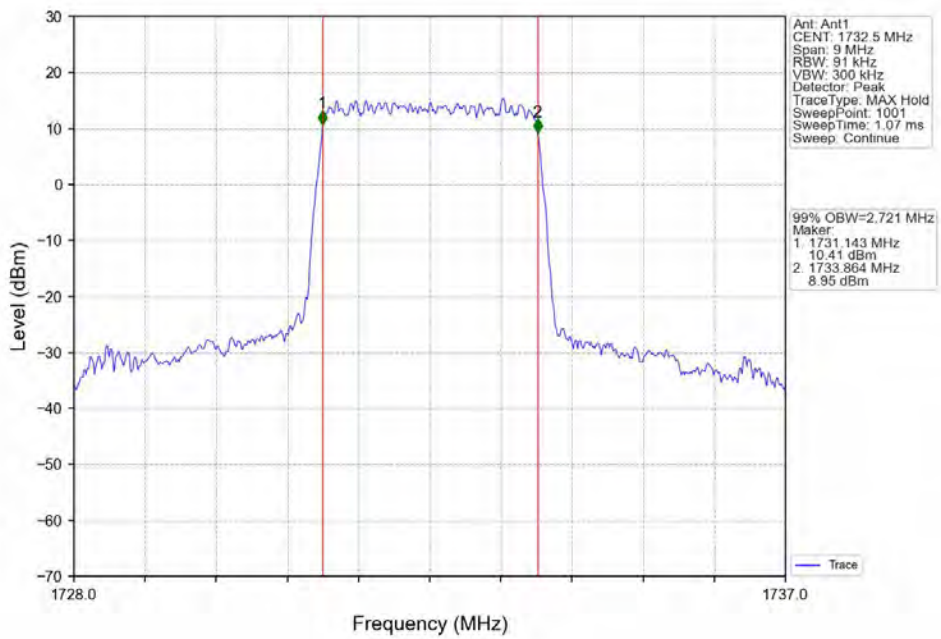
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



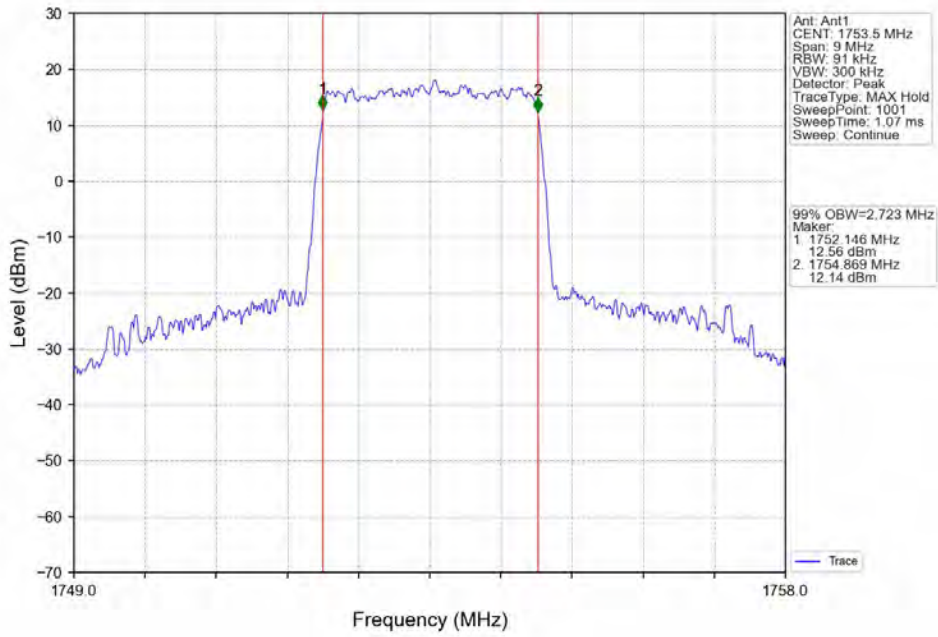
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



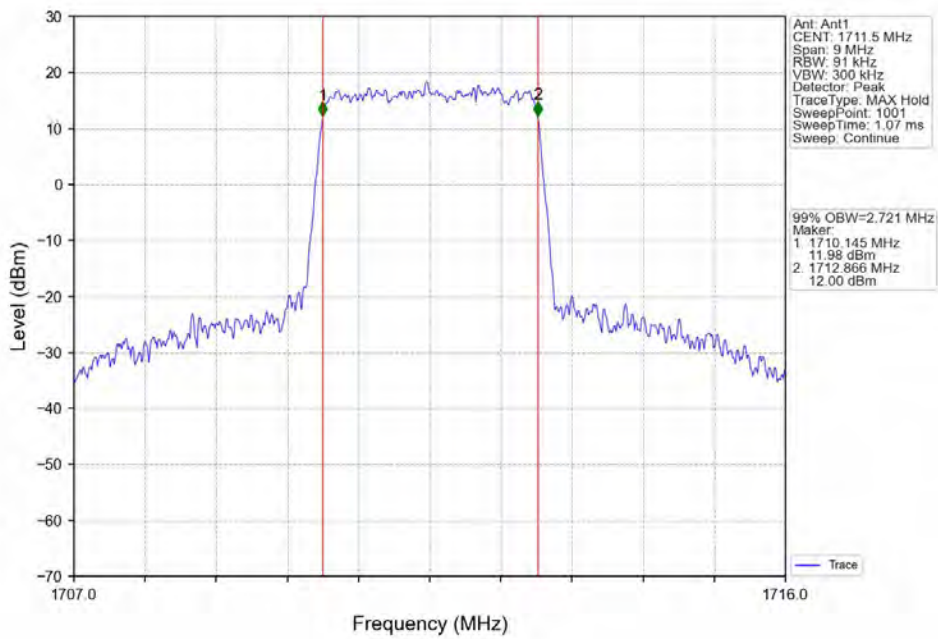
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



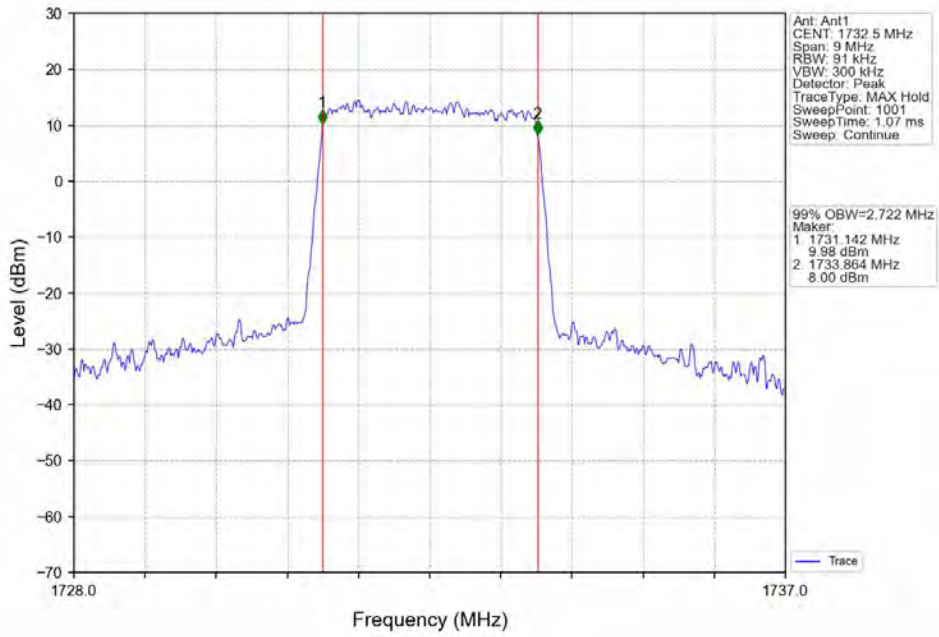
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



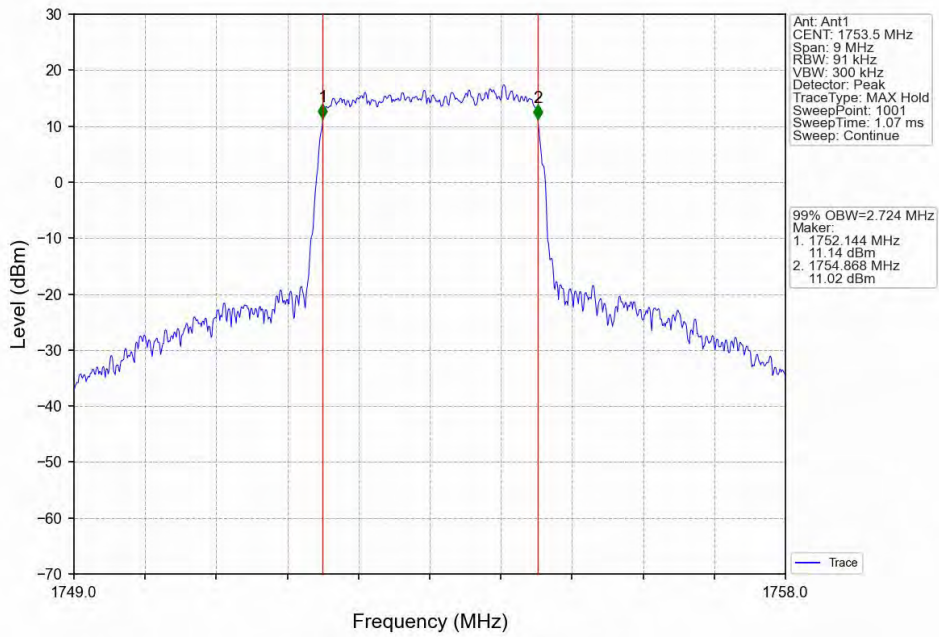
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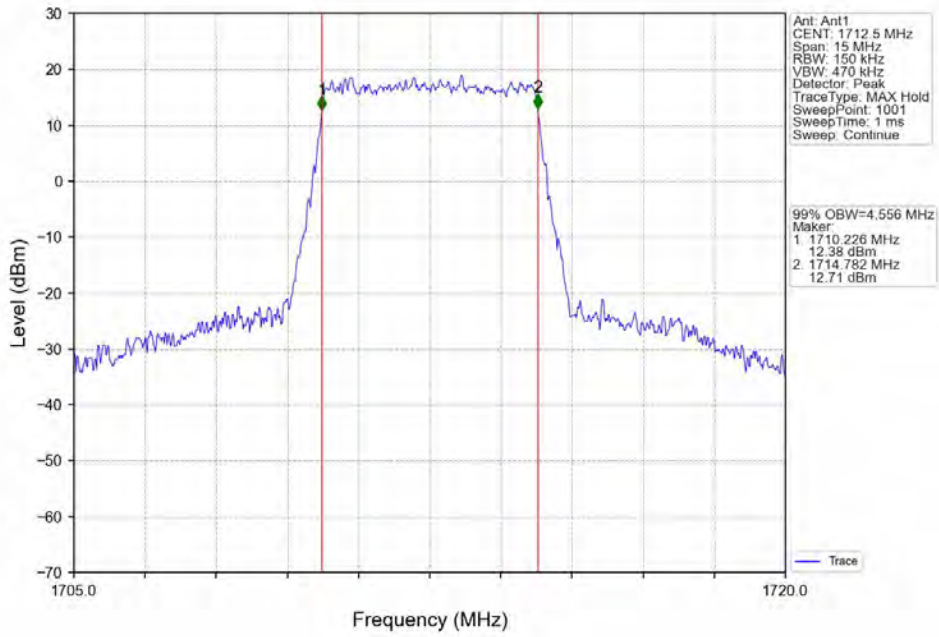
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



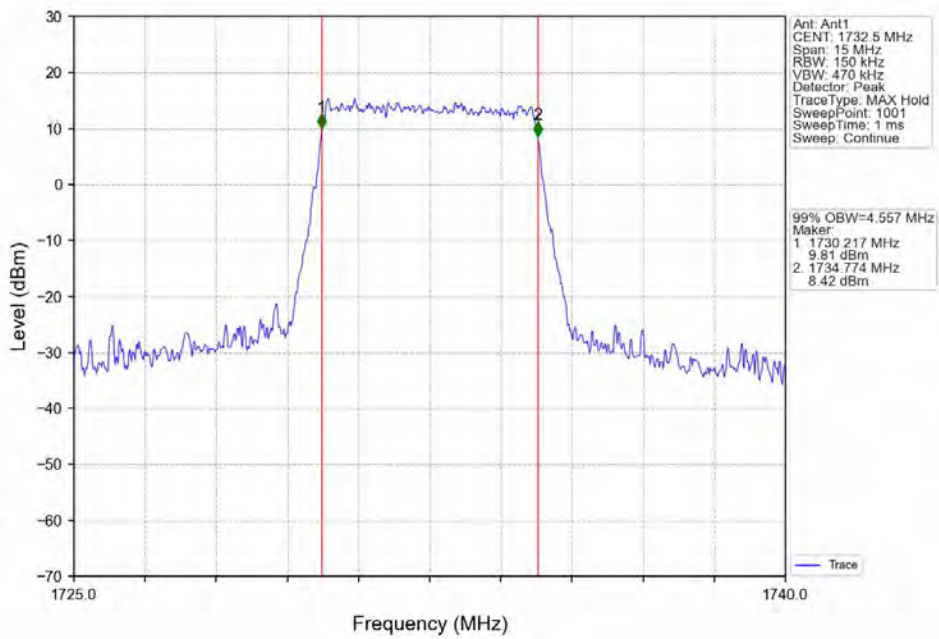
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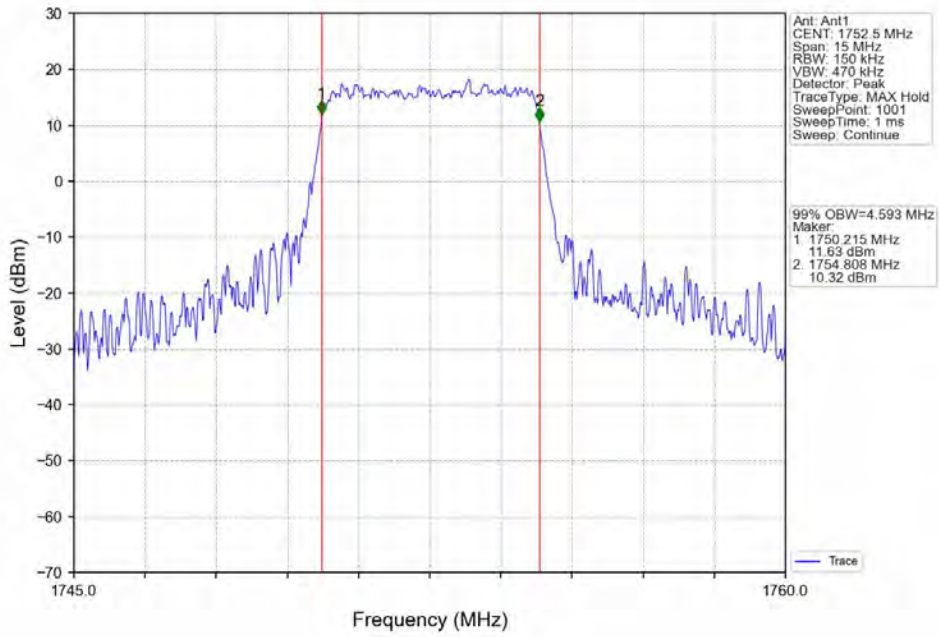
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



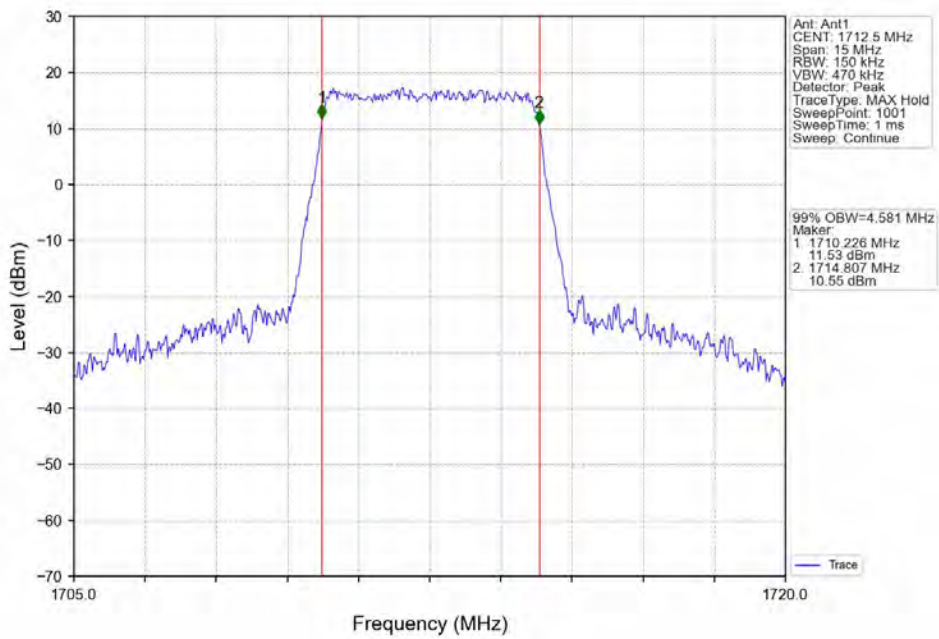
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



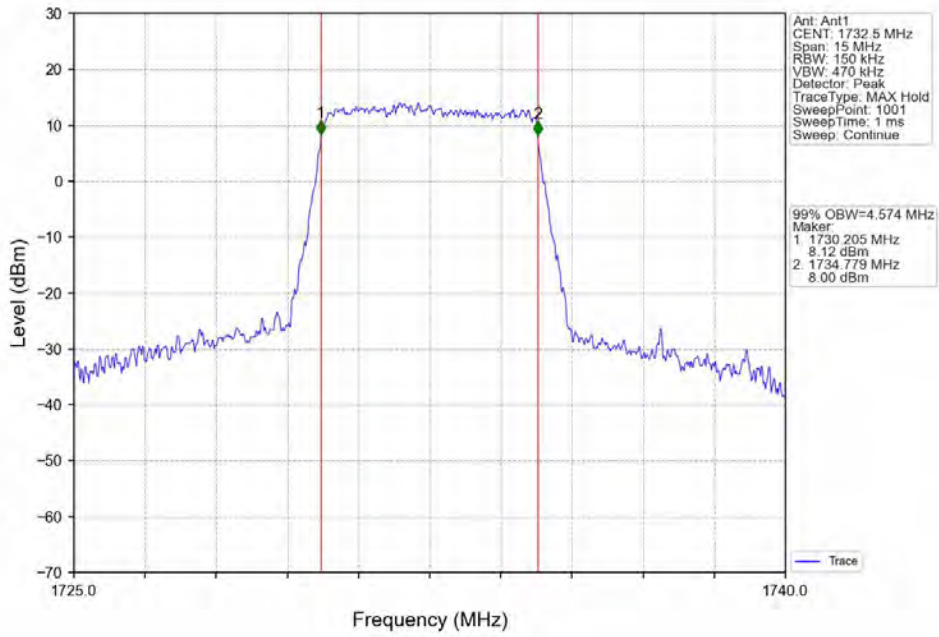
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



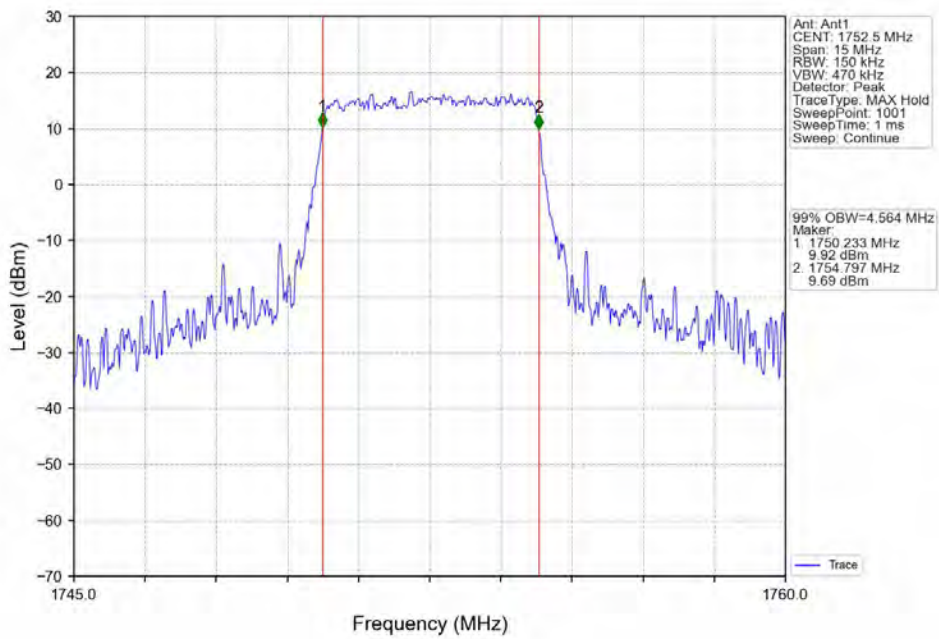
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



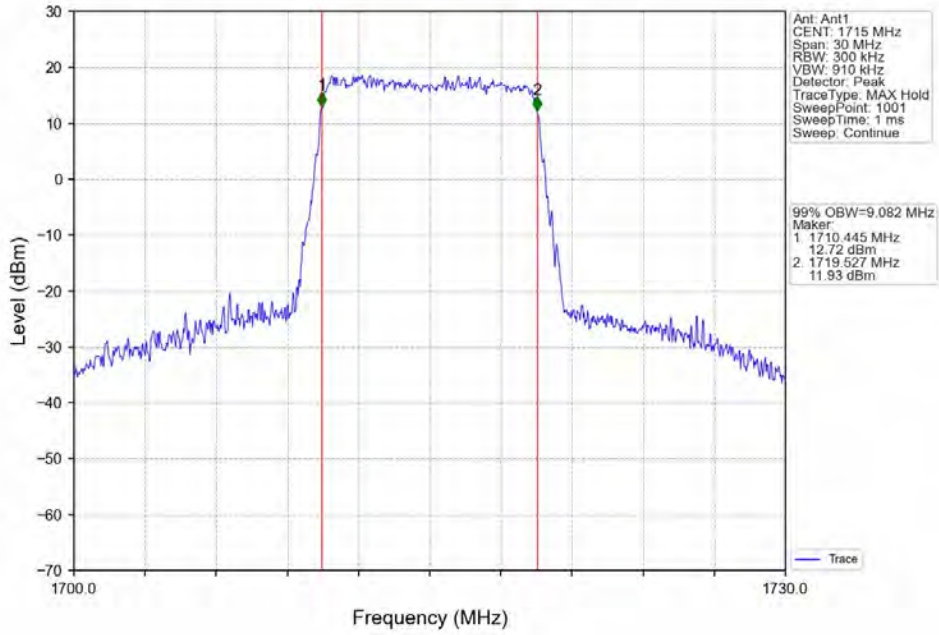
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



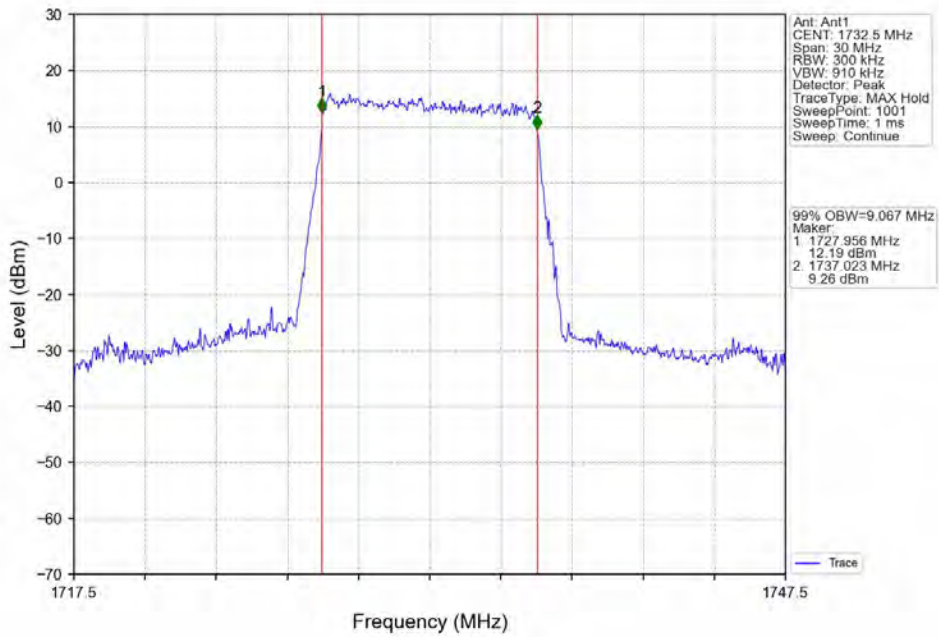
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



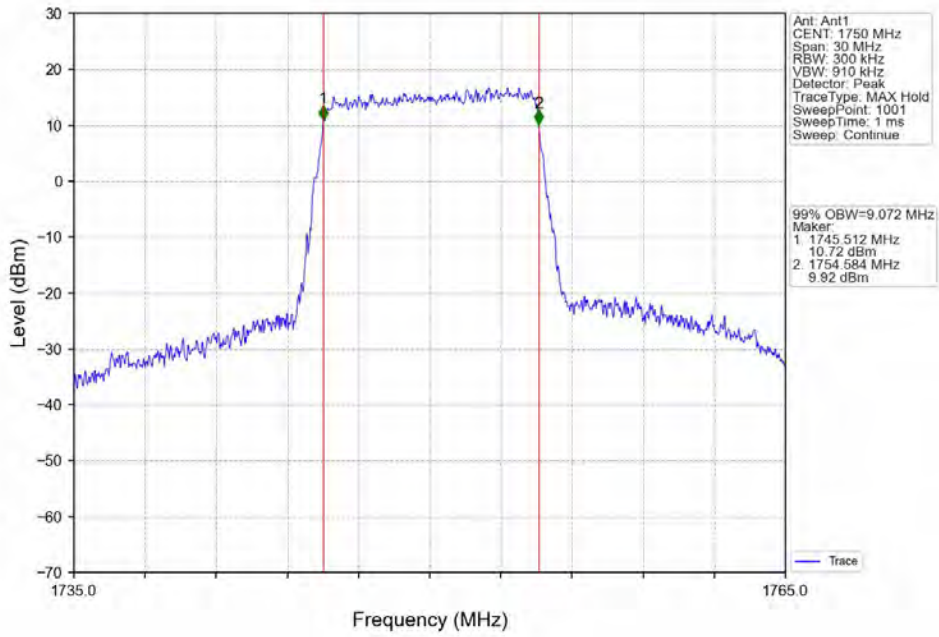
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



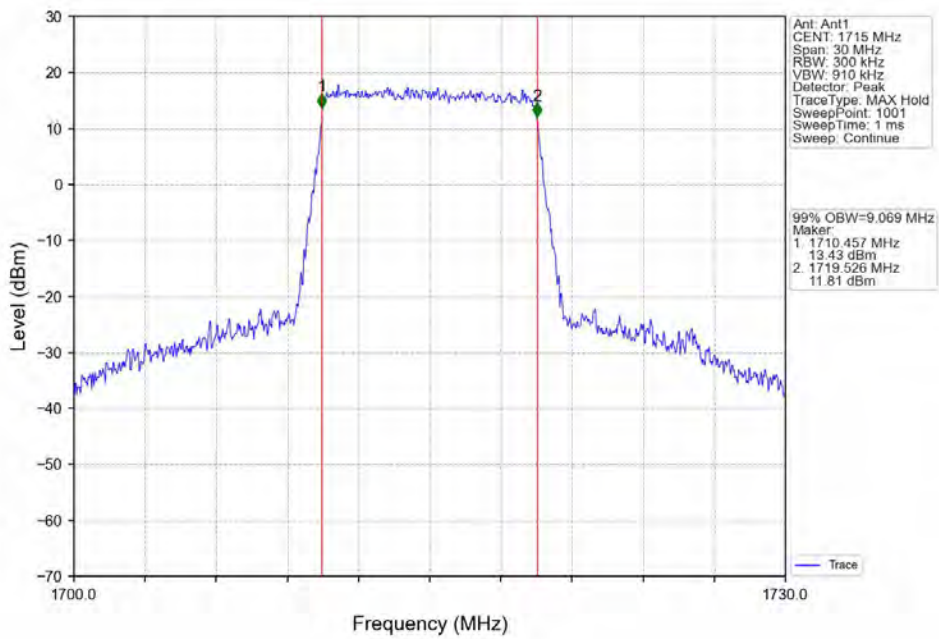
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



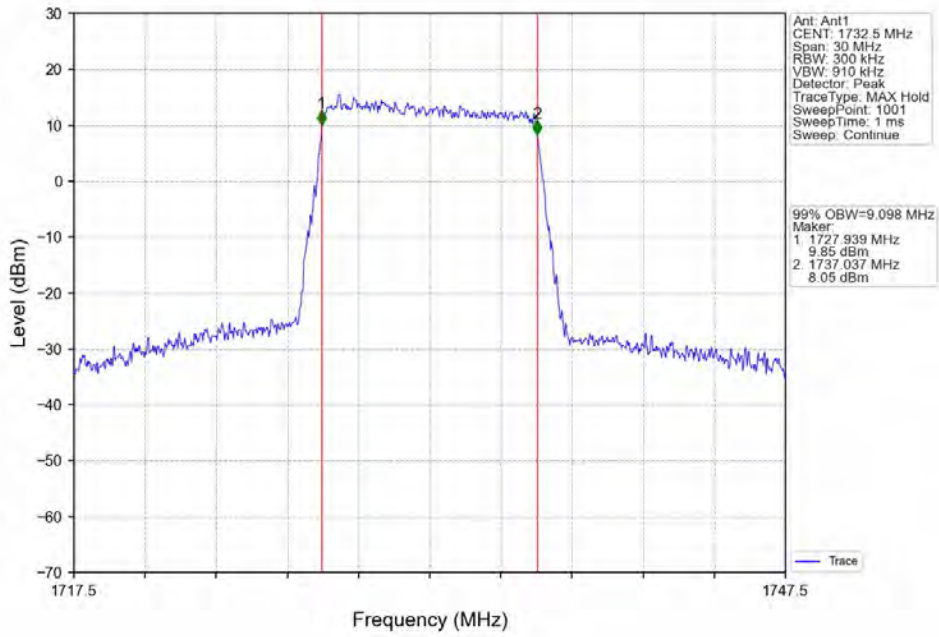
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



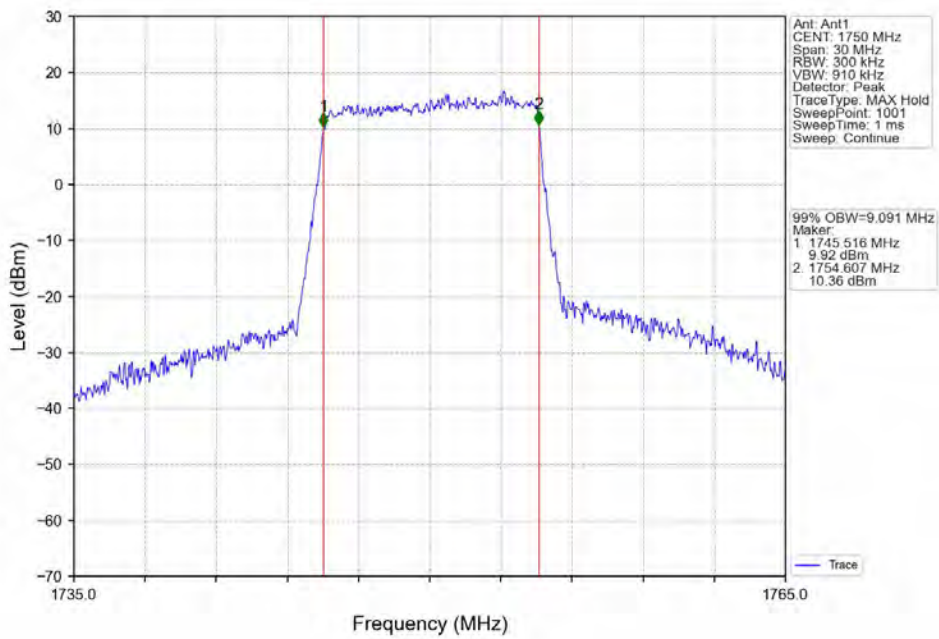
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



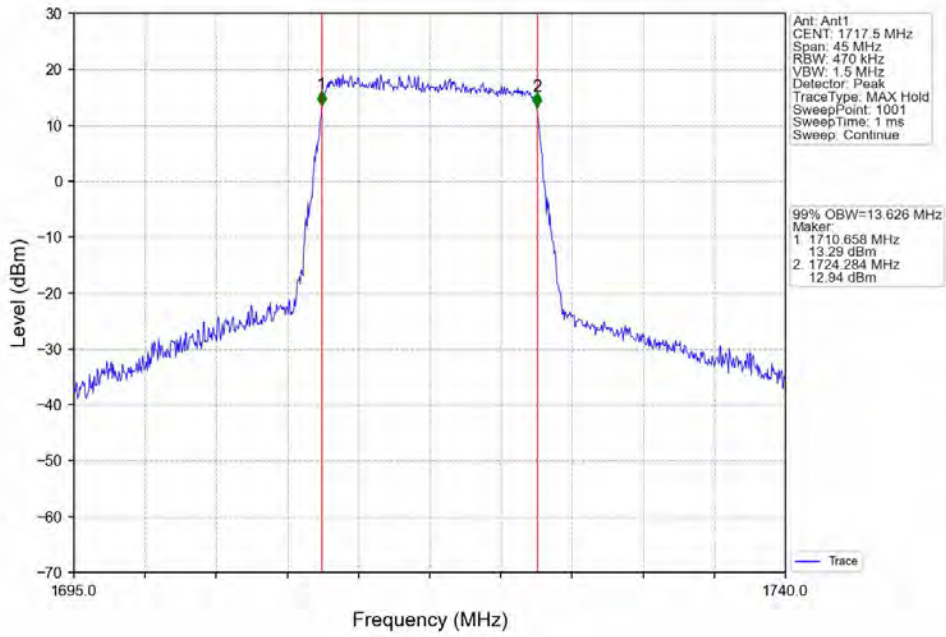
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



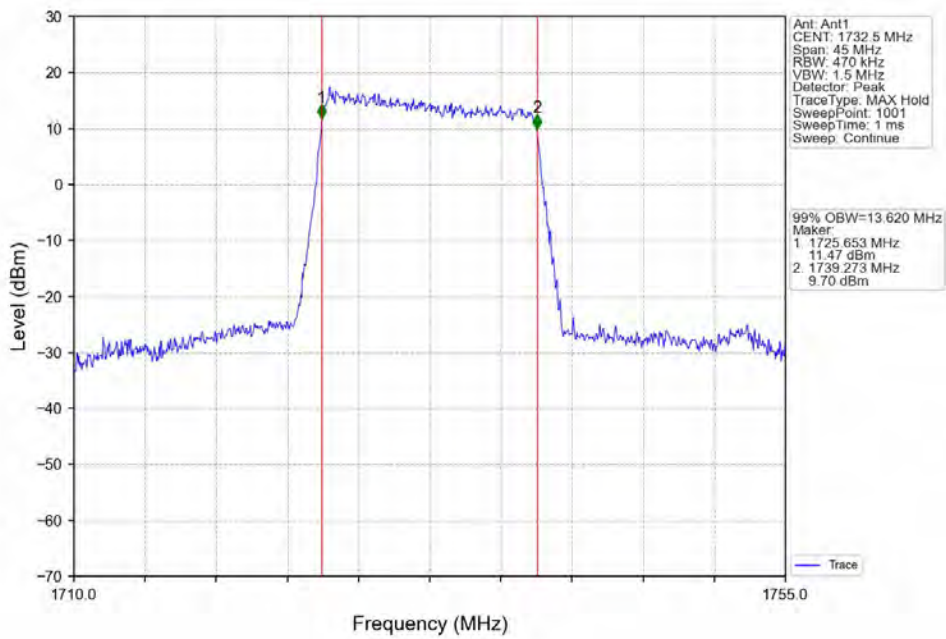
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



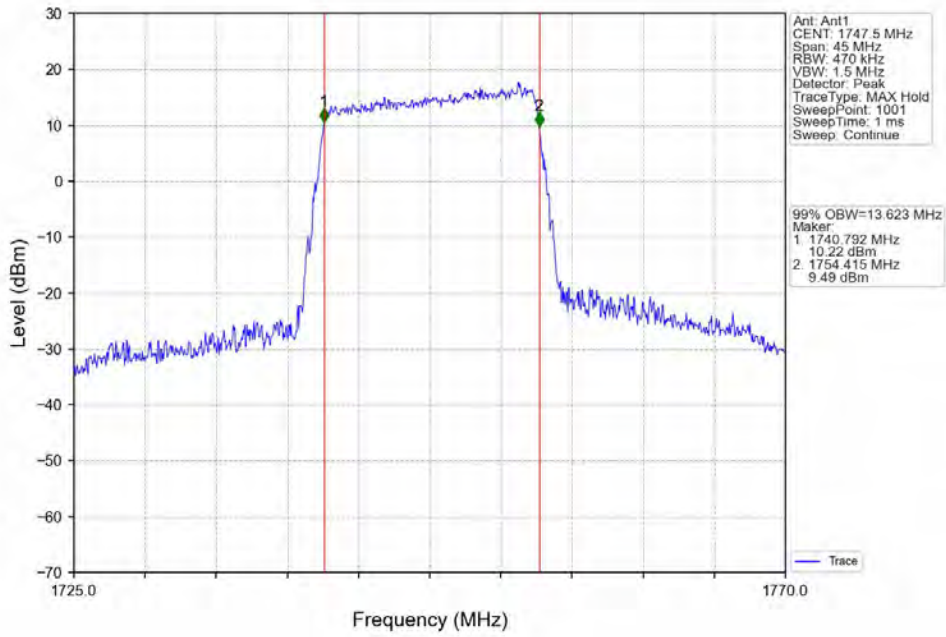
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



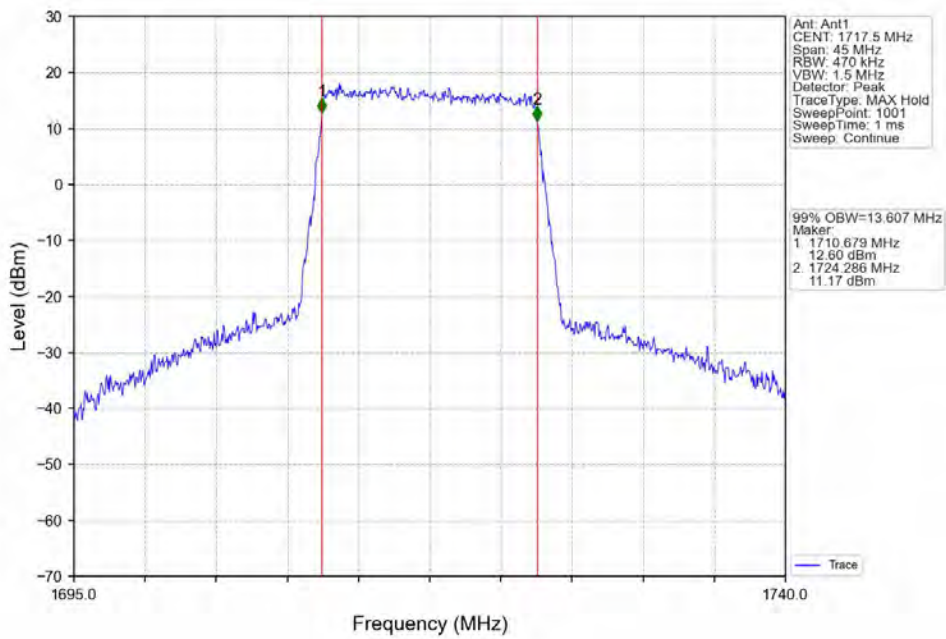
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



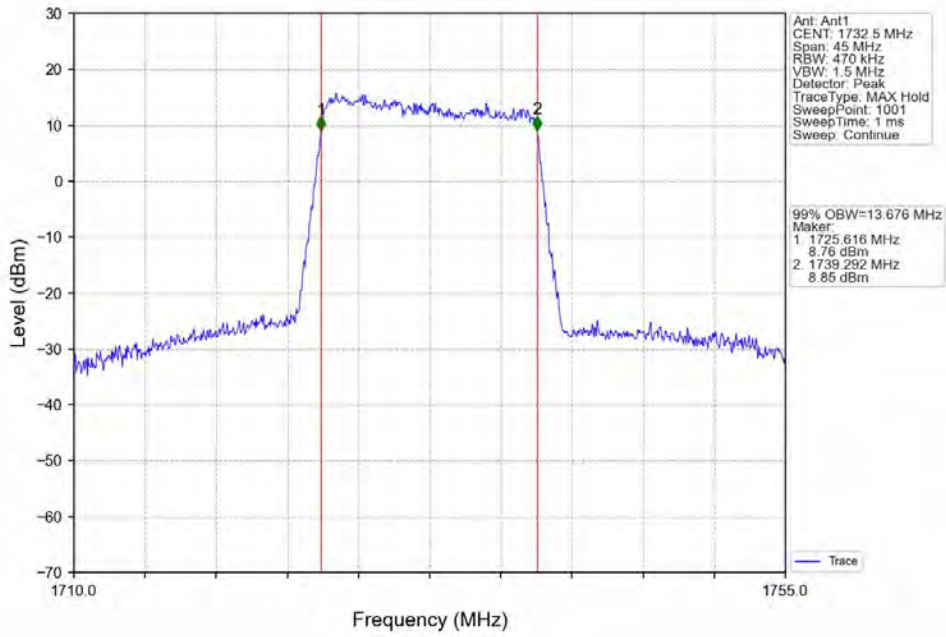
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



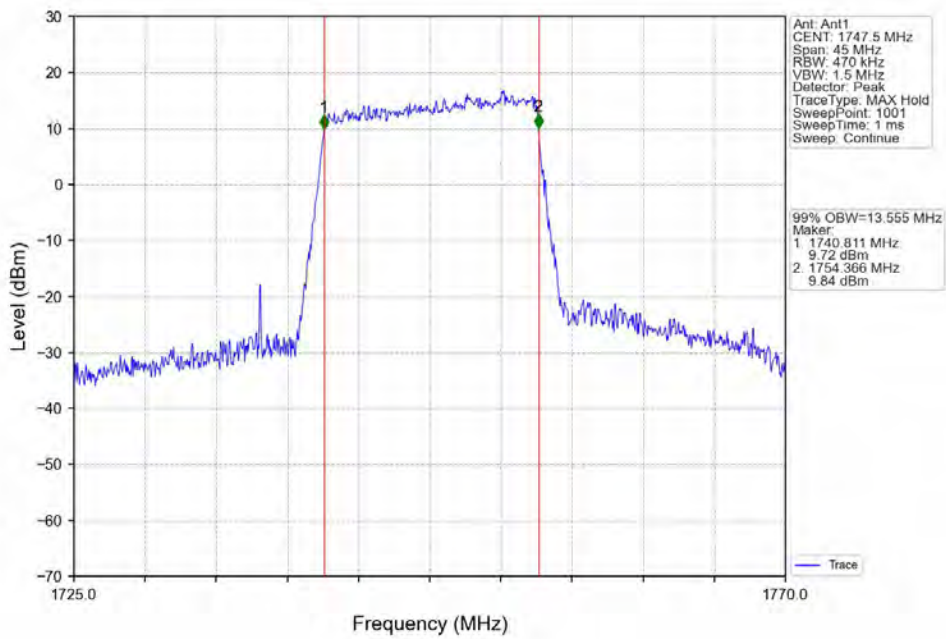
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



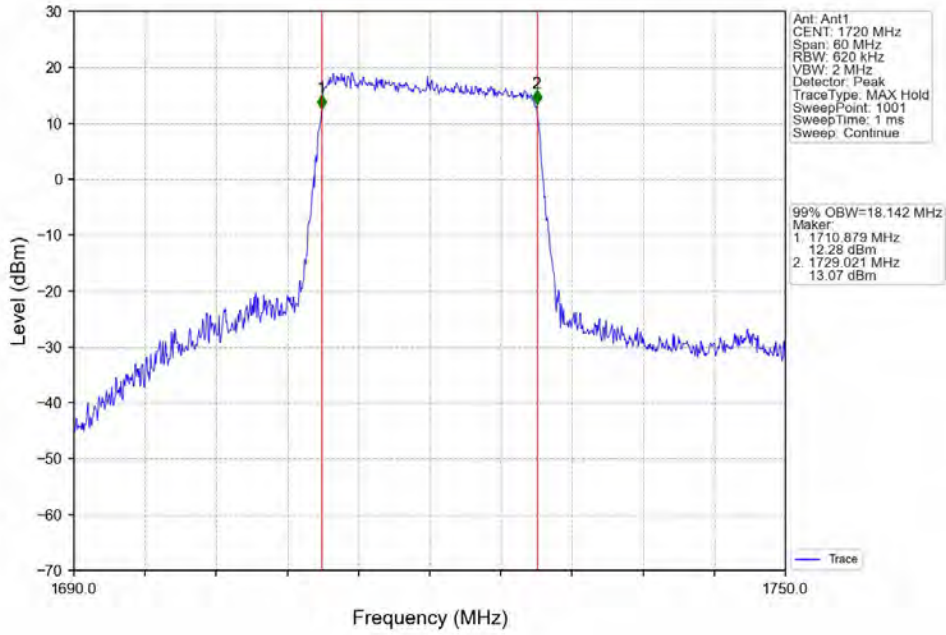
Band4 15MHz 16QAM MCH 1732.5MHz RB 75_0_NTNV



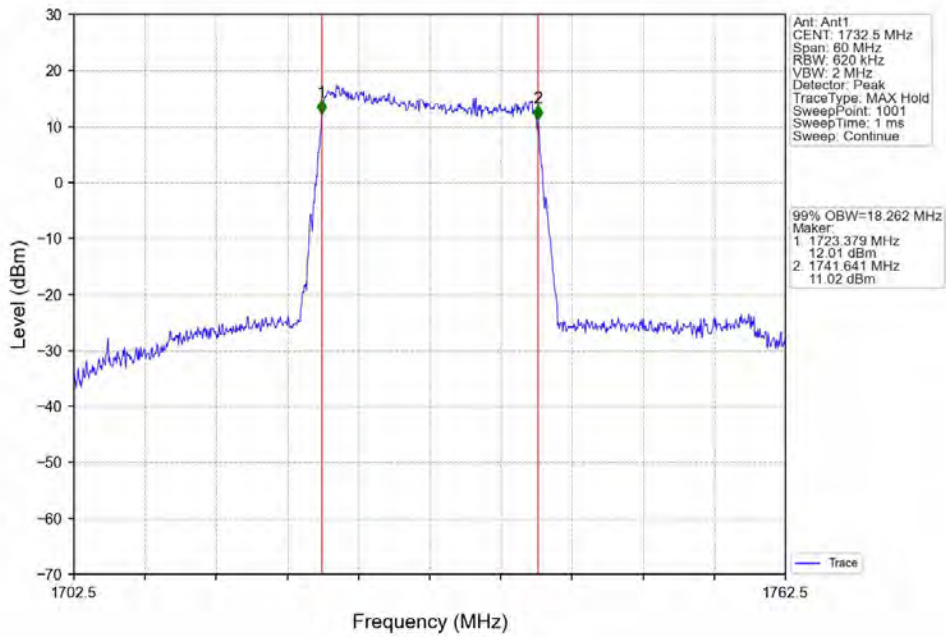
Band4 15MHz 16QAM HCH 1747.5MHz RB 75_0_NTNV



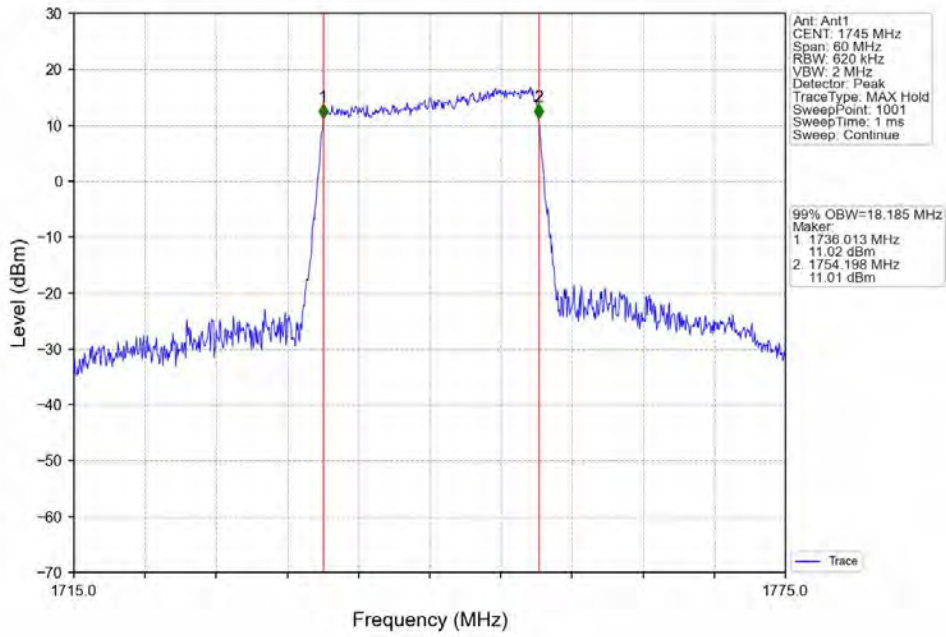
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



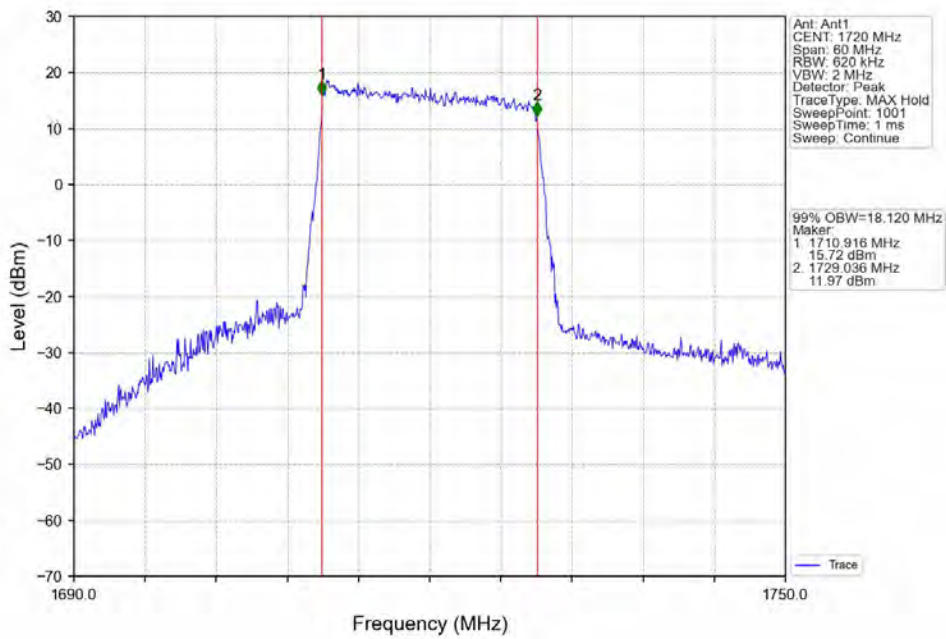
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



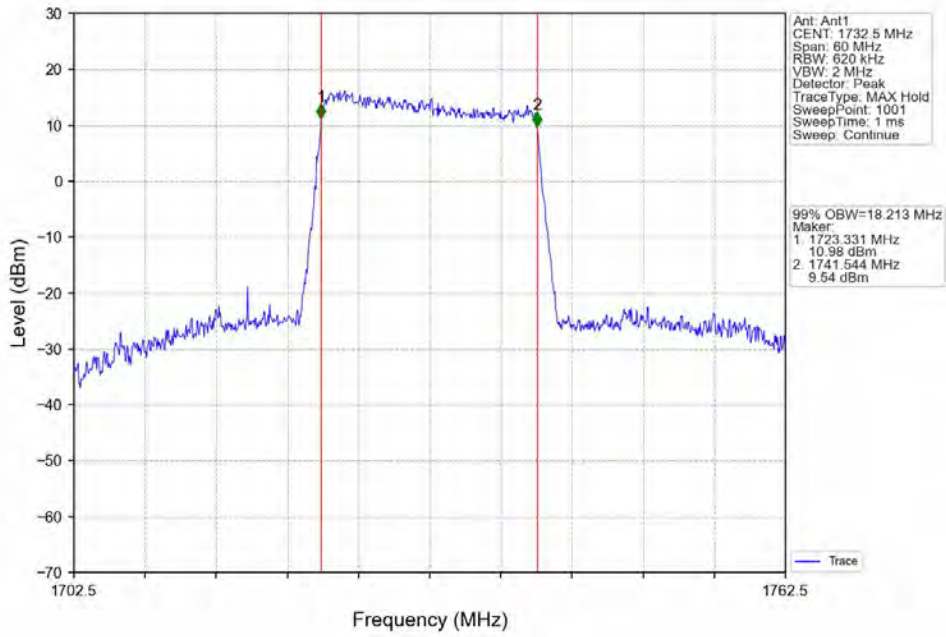
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



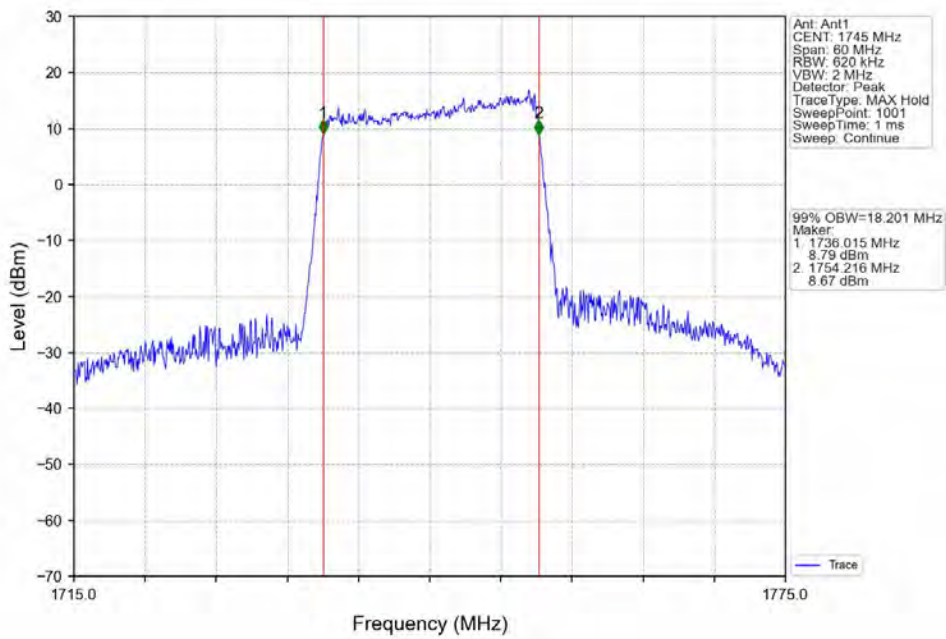
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

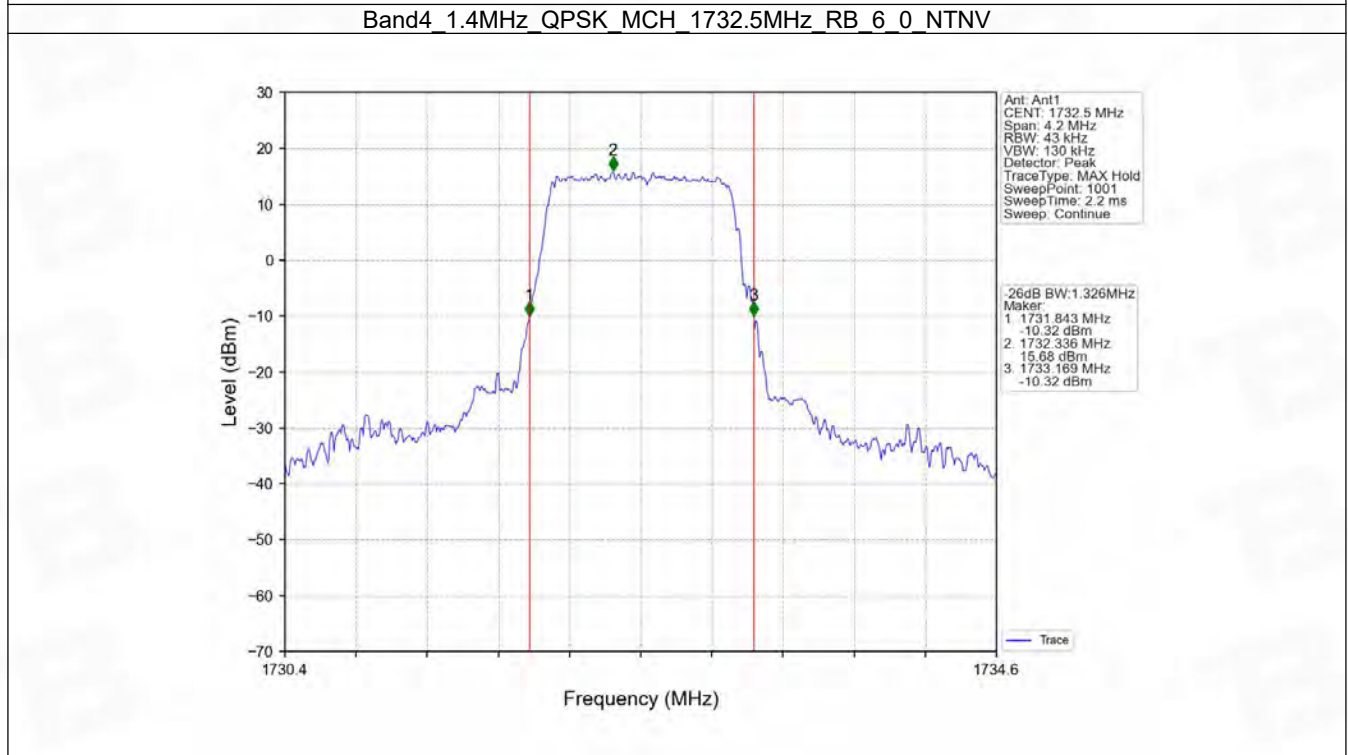
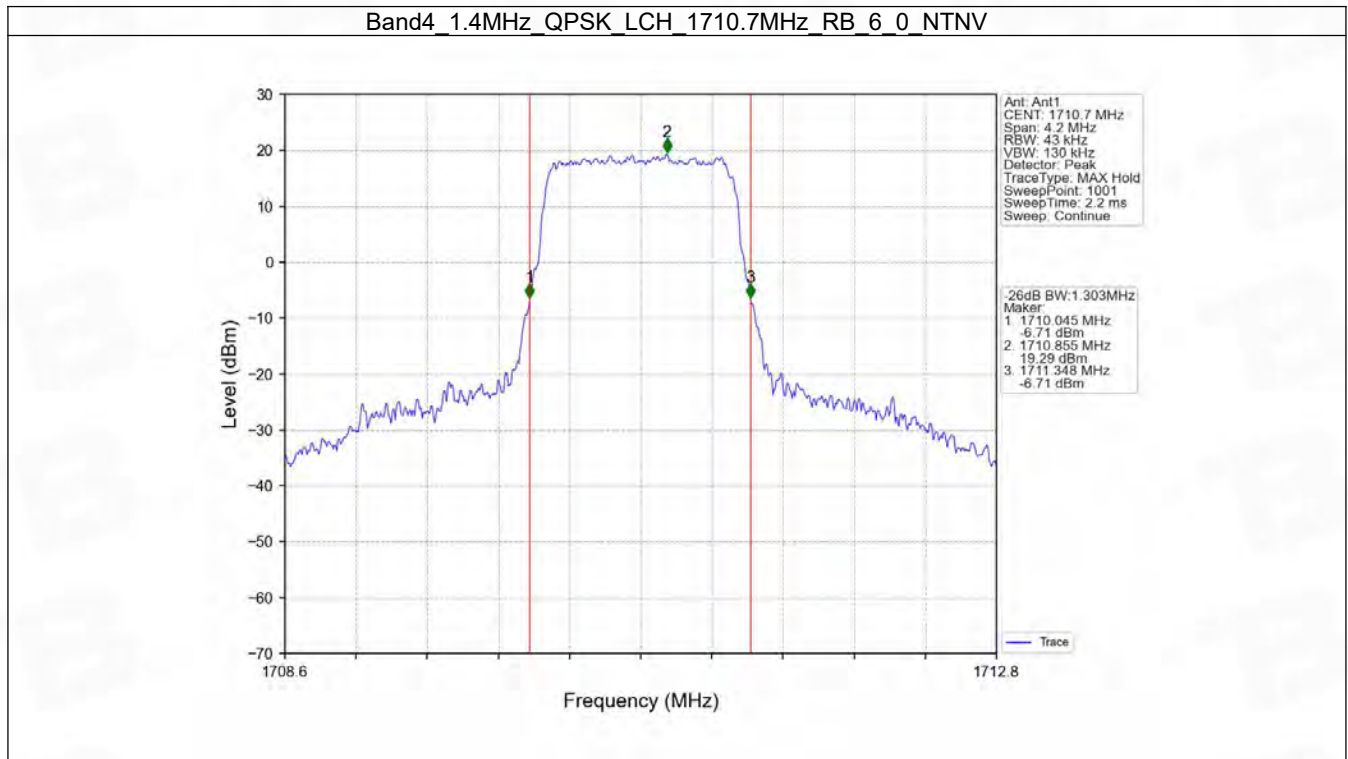


4.2 Band4_XDB

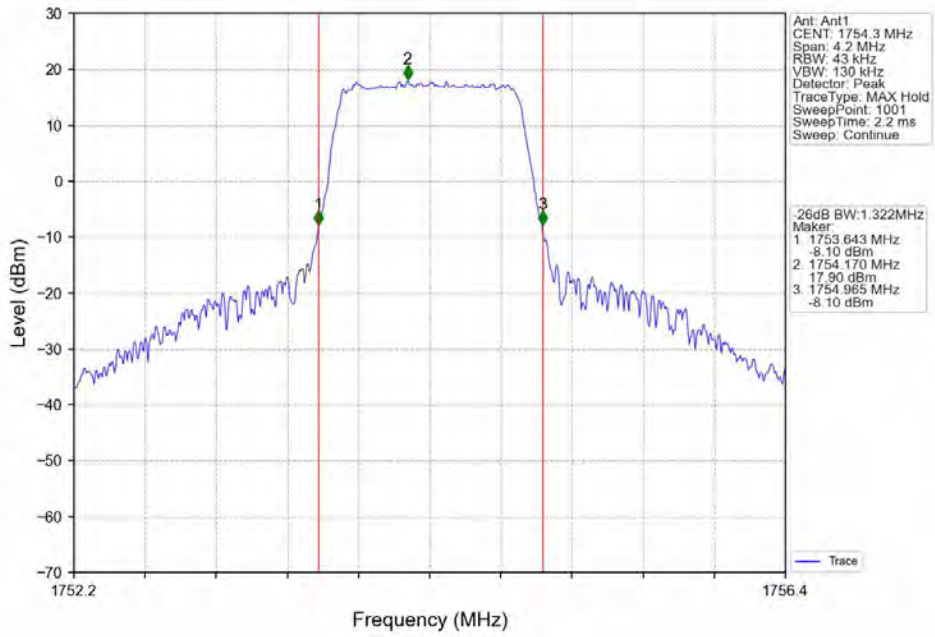
4.2.1 Test Result

Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.303	Pass
		1732.5	6	0	1.326	Pass
		1754.3	6	0	1.322	Pass
	16QAM	1710.7	6	0	1.316	Pass
		1732.5	6	0	1.310	Pass
		1754.3	6	0	1.327	Pass
3	QPSK	1711.5	15	0	2.999	Pass
		1732.5	15	0	2.994	Pass
		1753.5	15	0	2.986	Pass
	16QAM	1711.5	15	0	2.993	Pass
		1732.5	15	0	2.986	Pass
		1753.5	15	0	2.966	Pass
5	QPSK	1712.5	25	0	5.188	Pass
		1732.5	25	0	5.230	Pass
		1752.5	25	0	5.315	Pass
	16QAM	1712.5	25	0	5.321	Pass
		1732.5	25	0	5.302	Pass
		1752.5	25	0	5.312	Pass
10	QPSK	1715	50	0	10.276	Pass
		1732.5	50	0	10.213	Pass
		1750	50	0	10.309	Pass
	16QAM	1715	50	0	10.300	Pass
		1732.5	50	0	10.250	Pass
		1750	50	0	10.125	Pass
15	QPSK	1717.5	75	0	15.471	Pass
		1732.5	75	0	15.260	Pass
		1747.5	75	0	15.231	Pass
	16QAM	1717.5	75	0	15.312	Pass
		1732.5	75	0	15.200	Pass
		1747.5	75	0	15.123	Pass
20	QPSK	1720	100	0	19.885	Pass
		1732.5	100	0	20.196	Pass
		1745	100	0	19.997	Pass
	16QAM	1720	100	0	19.891	Pass
		1732.5	100	0	20.109	Pass
		1745	100	0	19.960	Pass

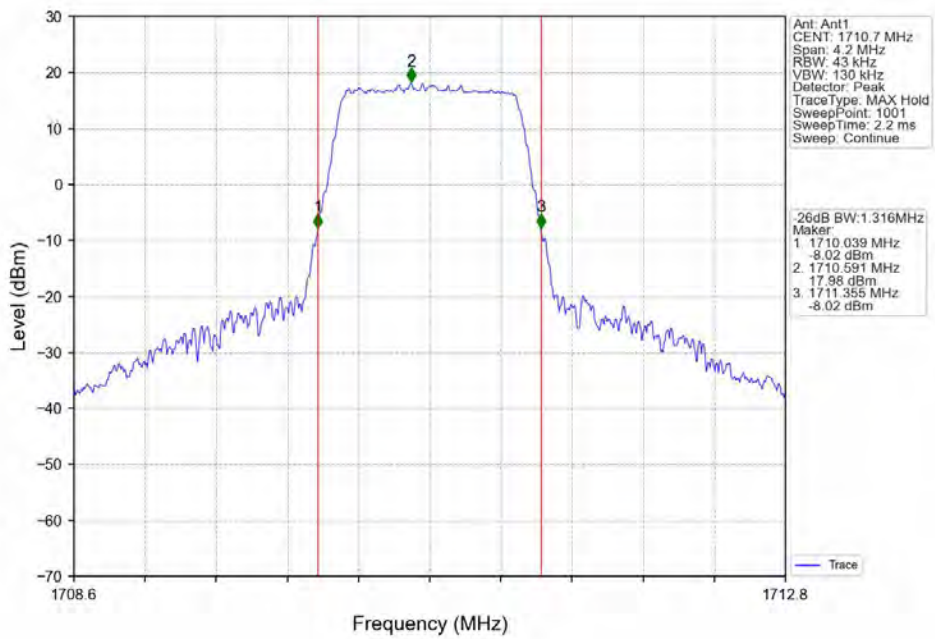
4.2.2 Test Graph



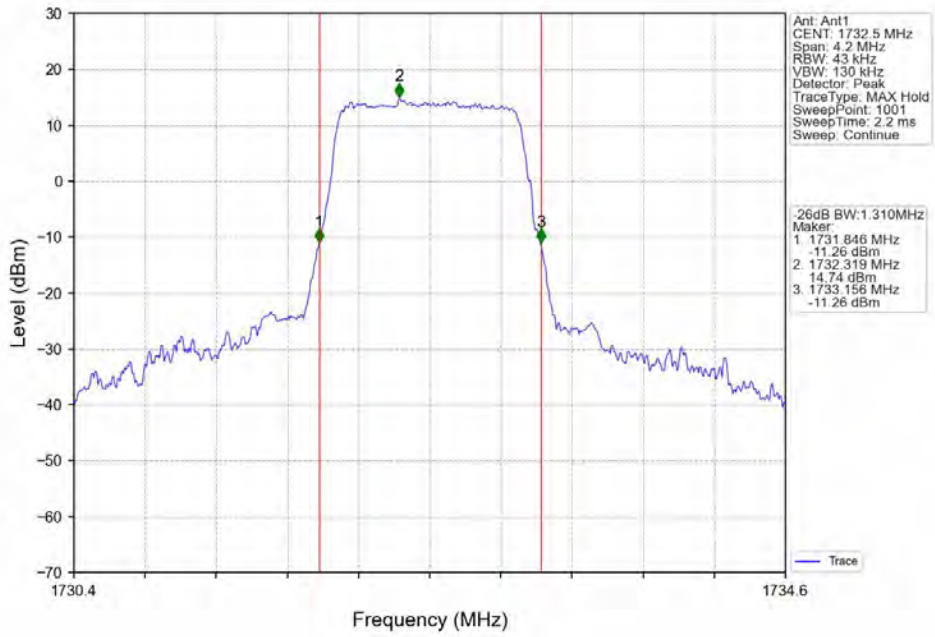
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



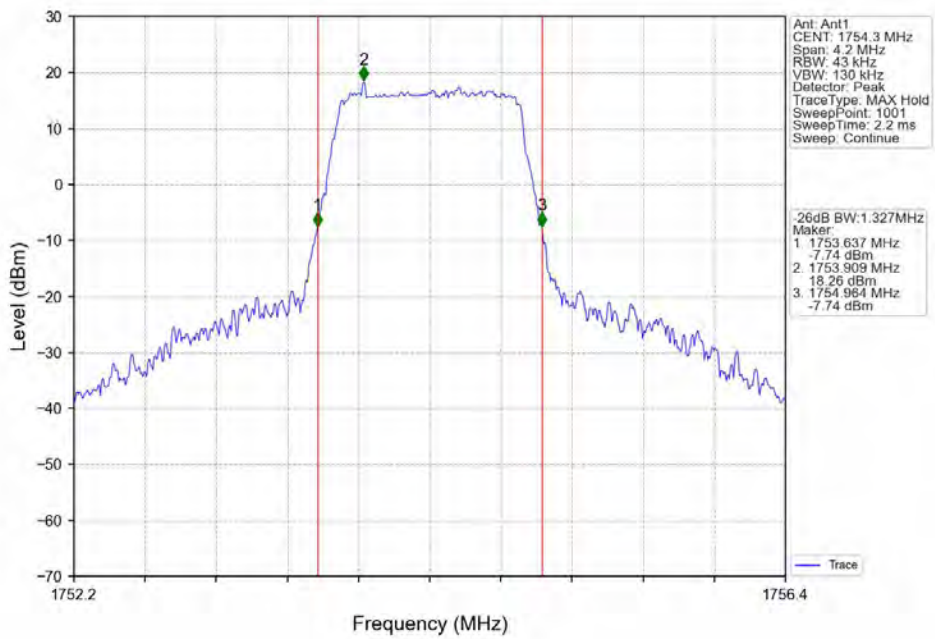
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



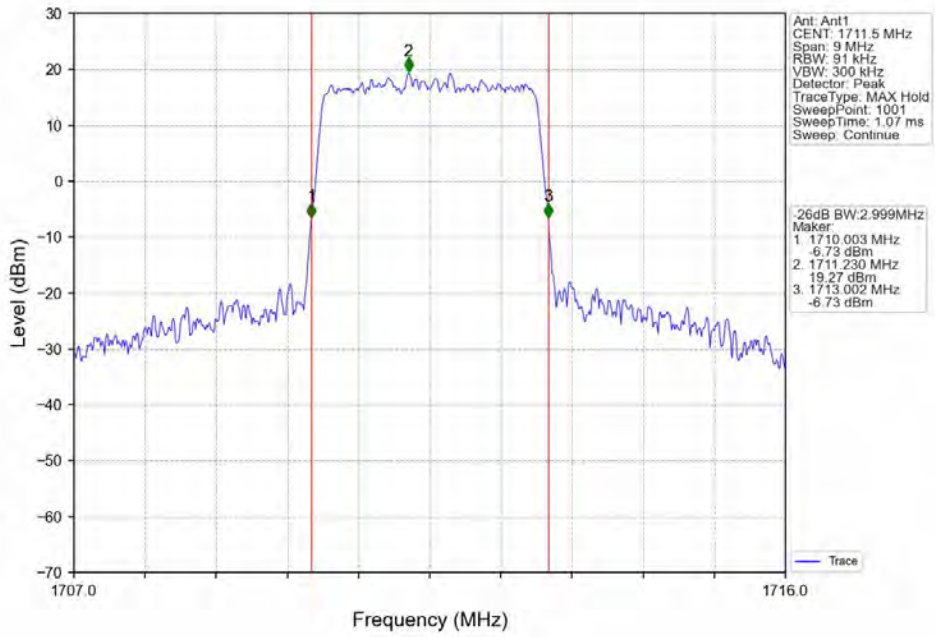
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



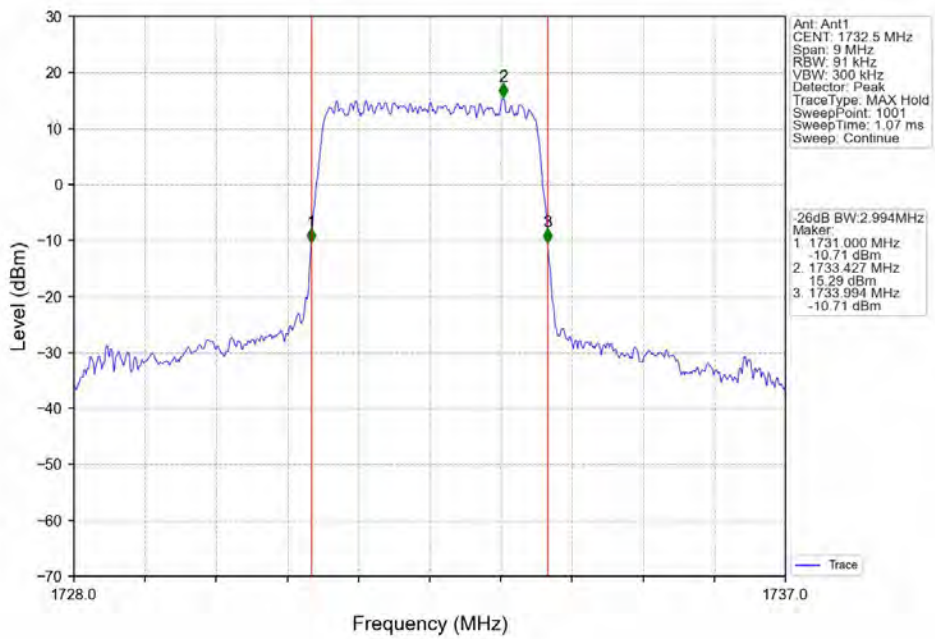
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



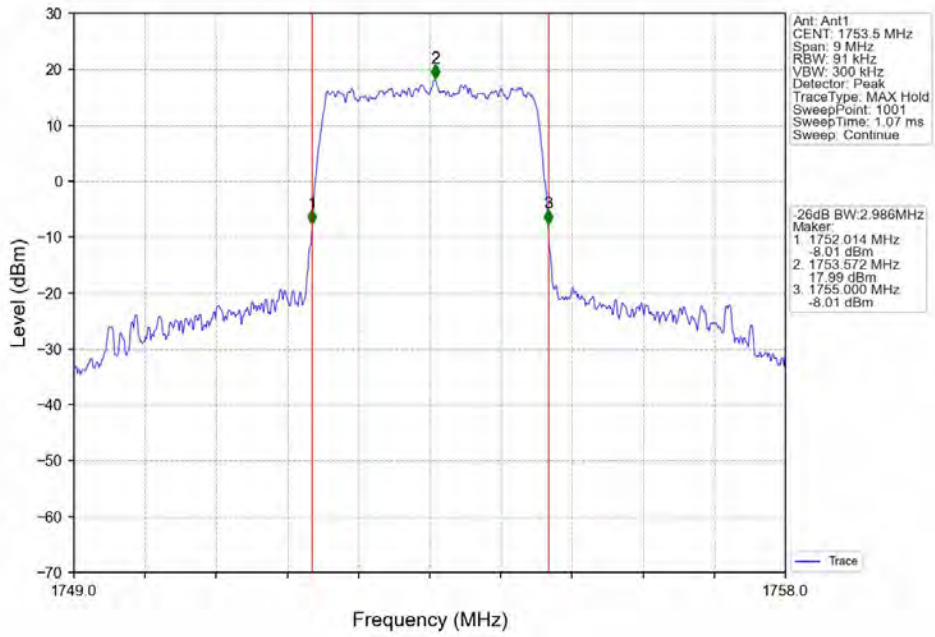
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



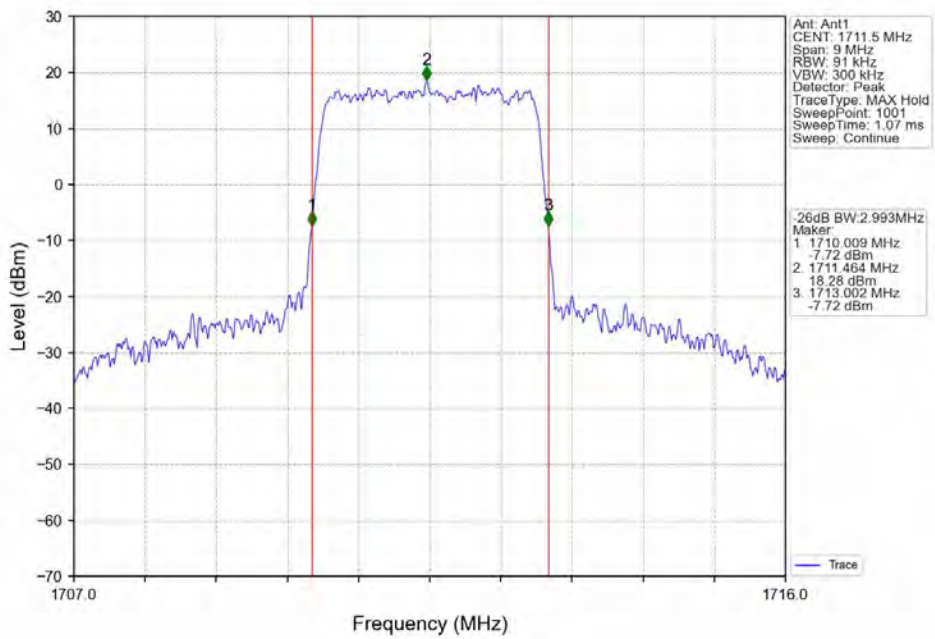
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



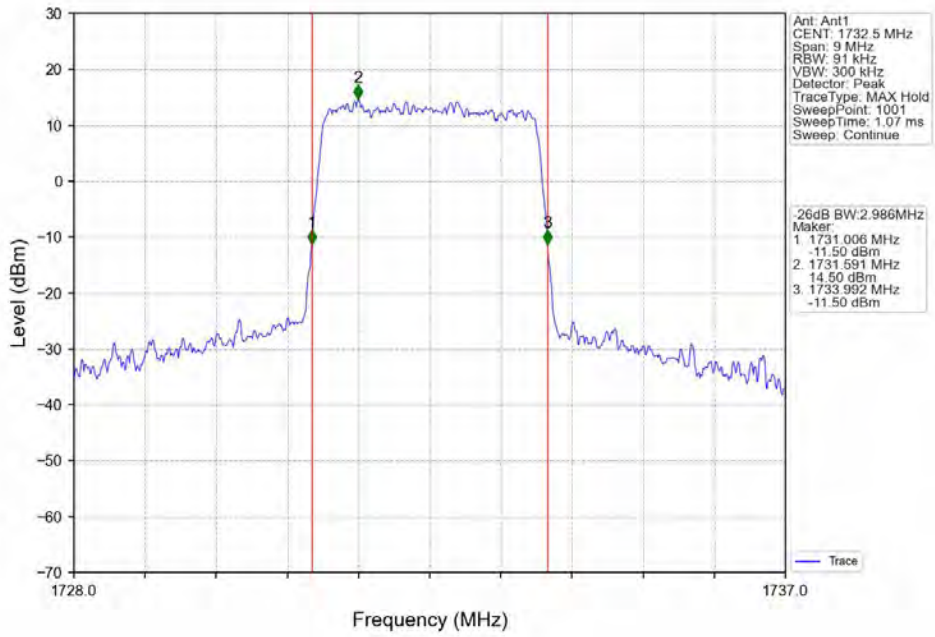
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



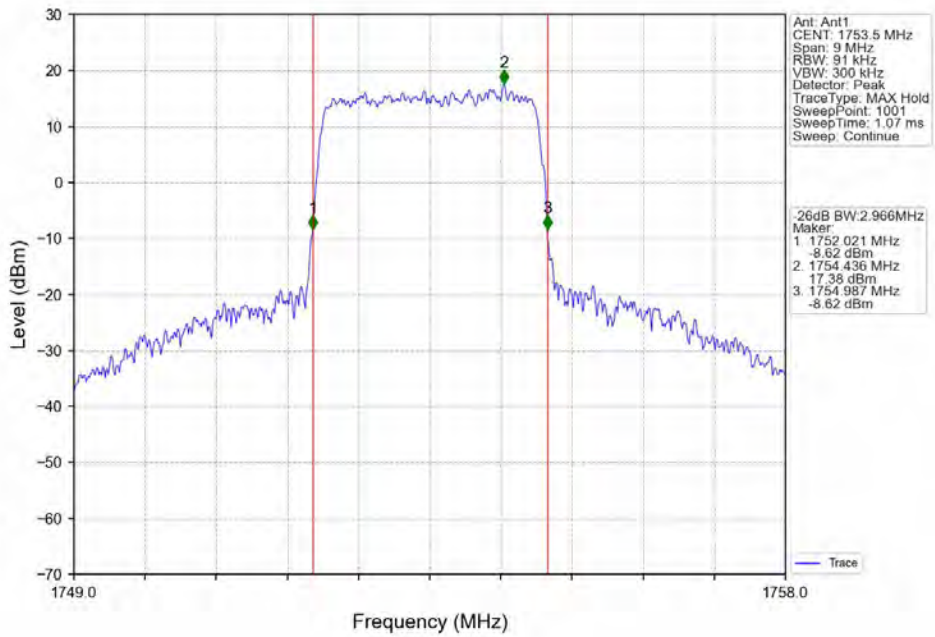
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



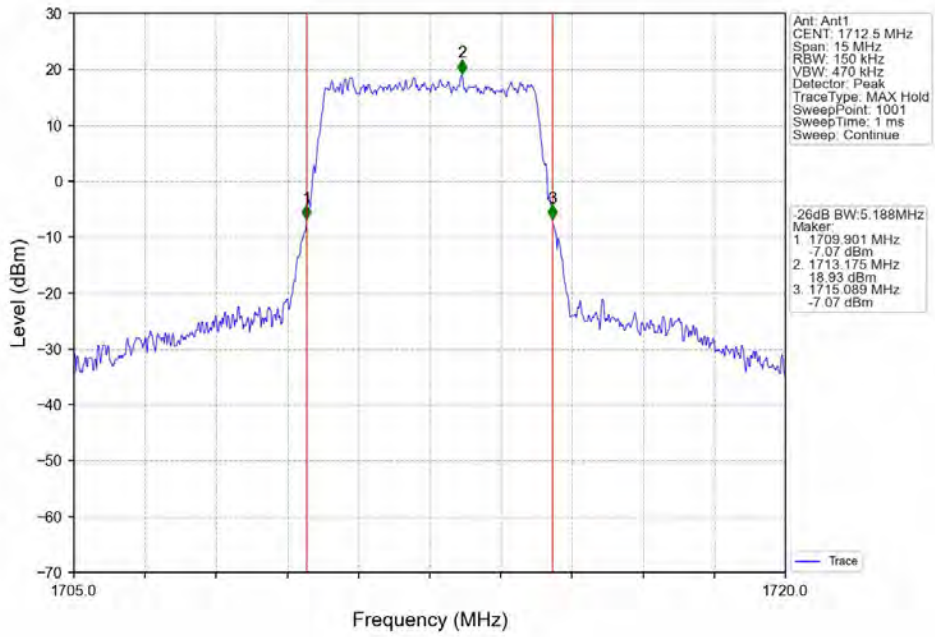
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



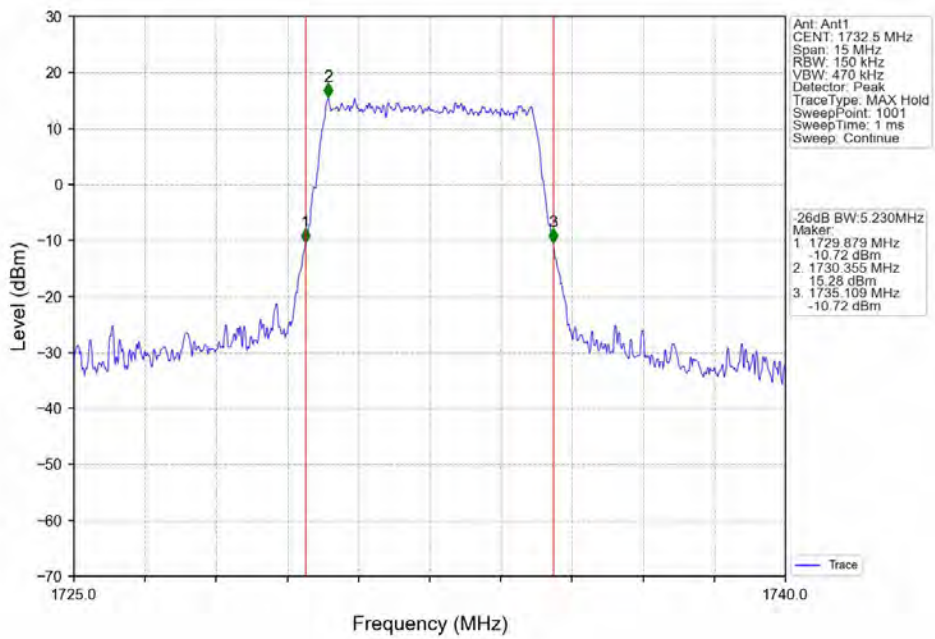
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



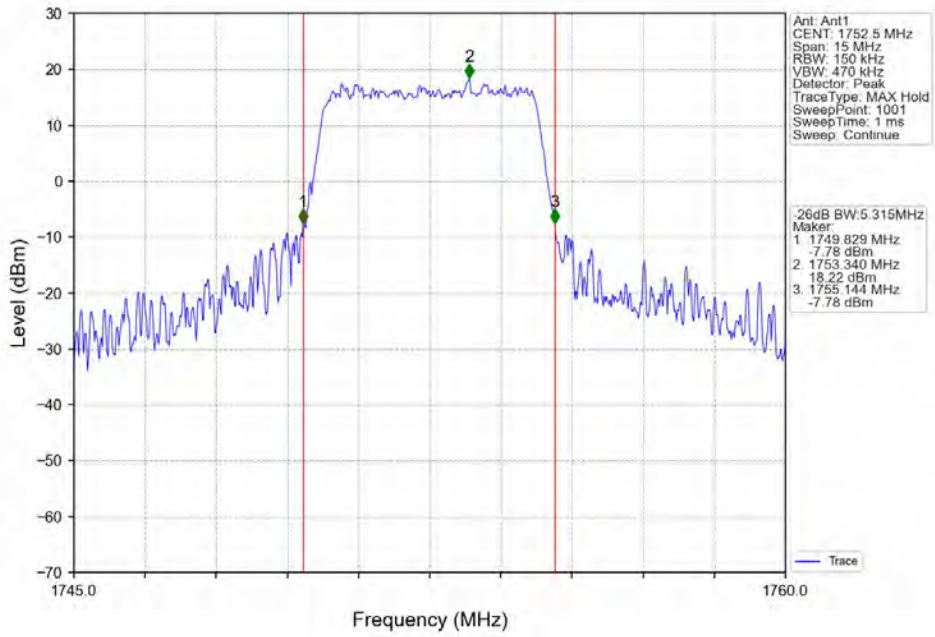
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



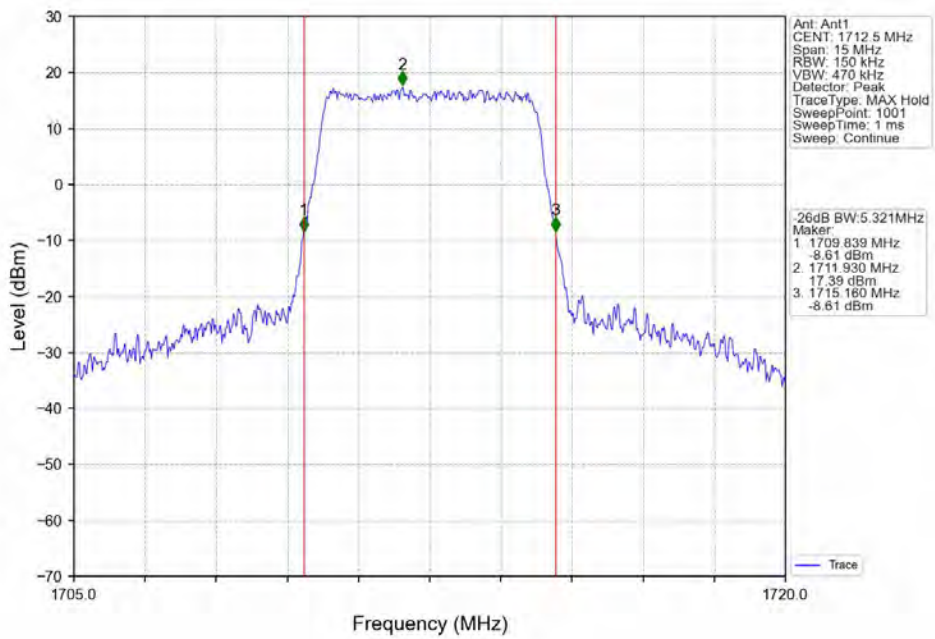
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



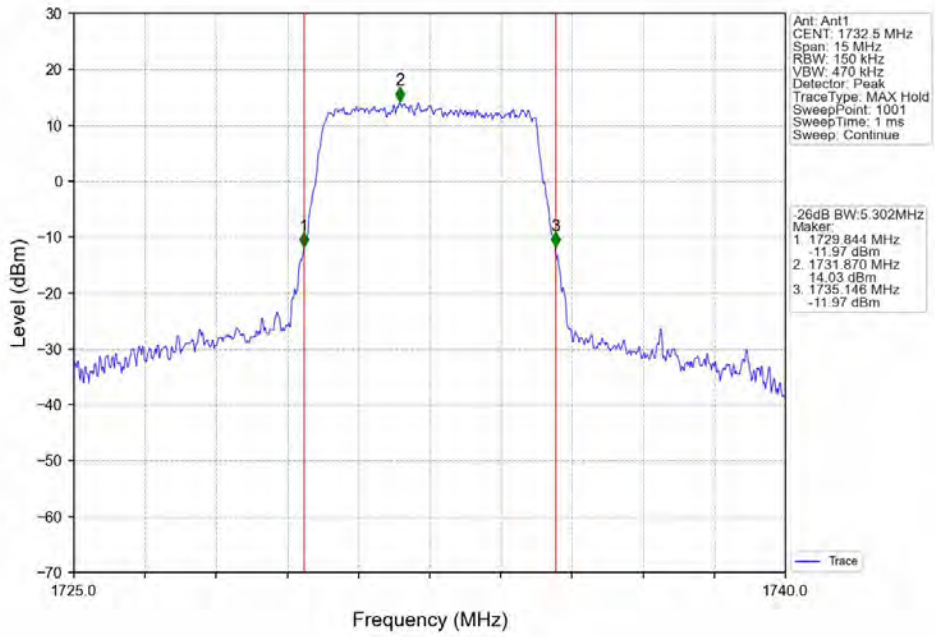
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



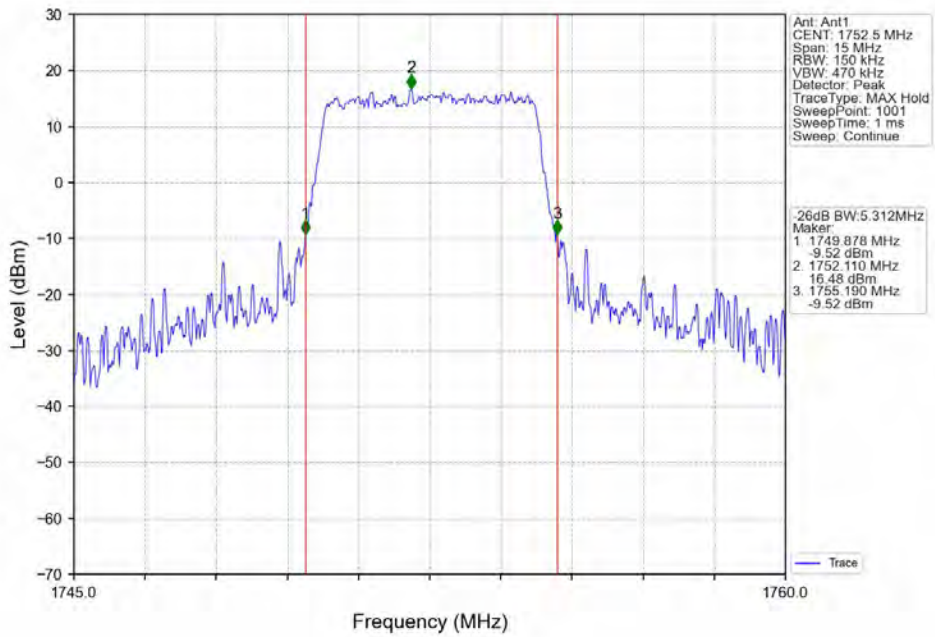
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



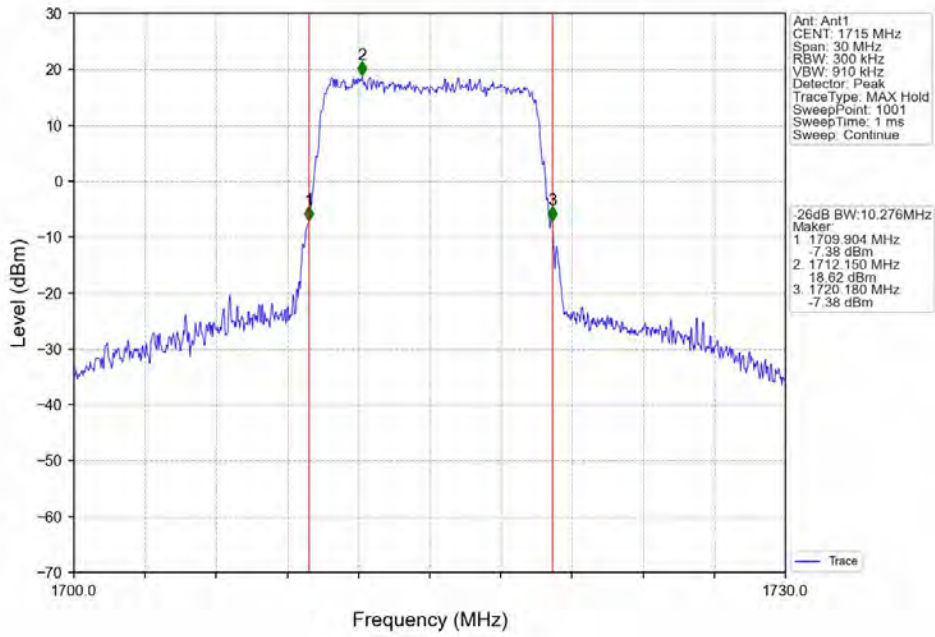
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



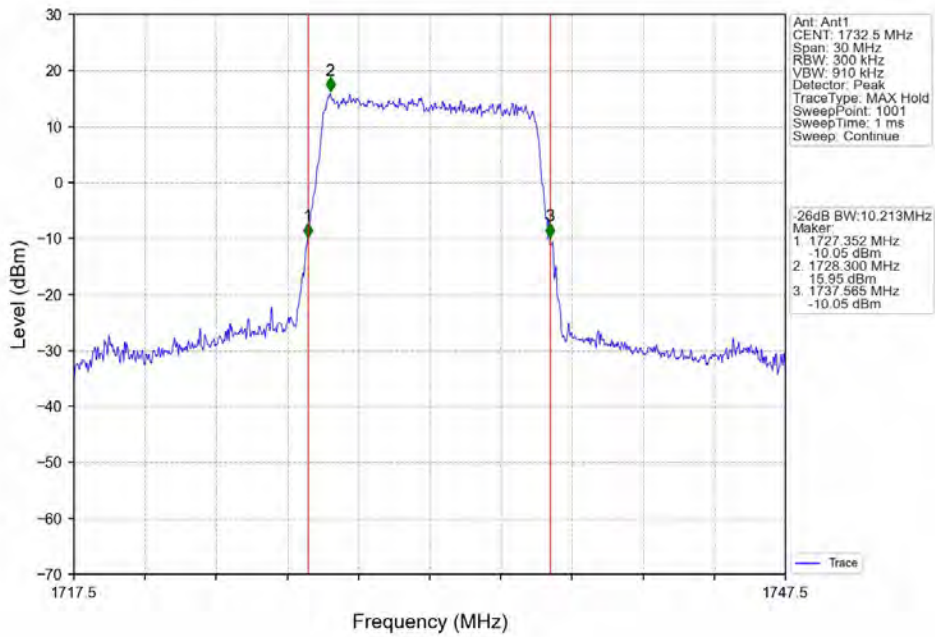
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



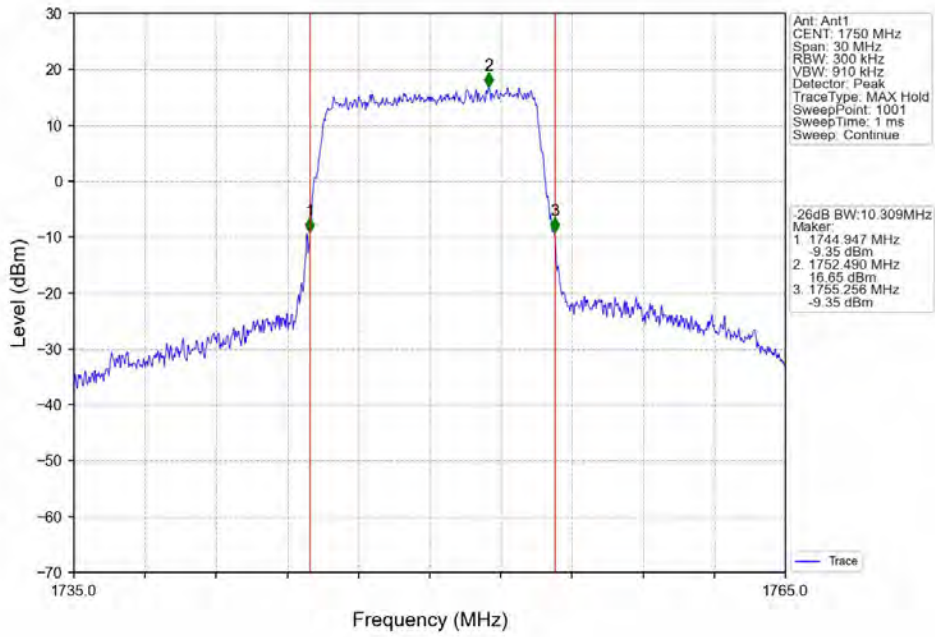
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



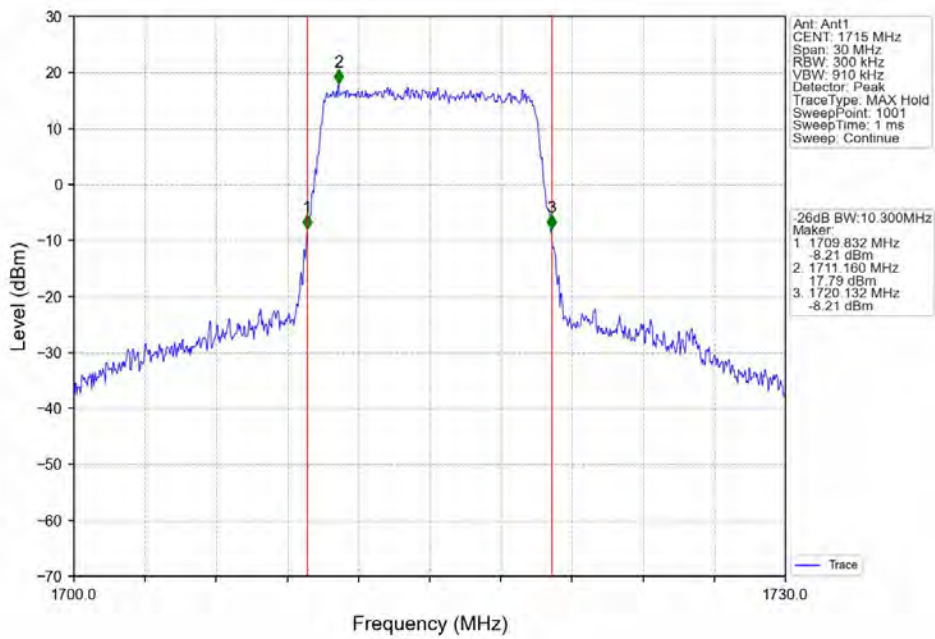
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



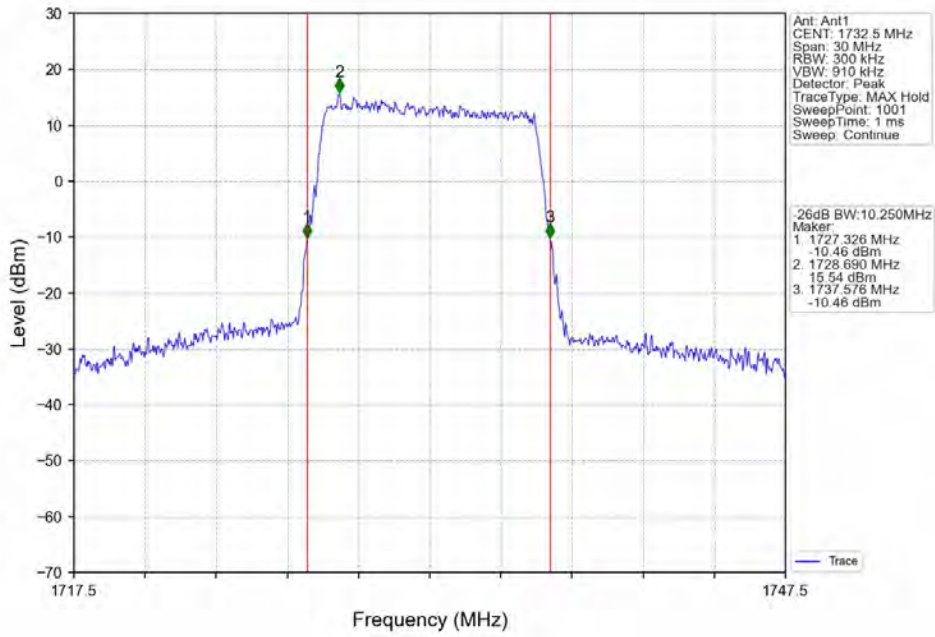
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



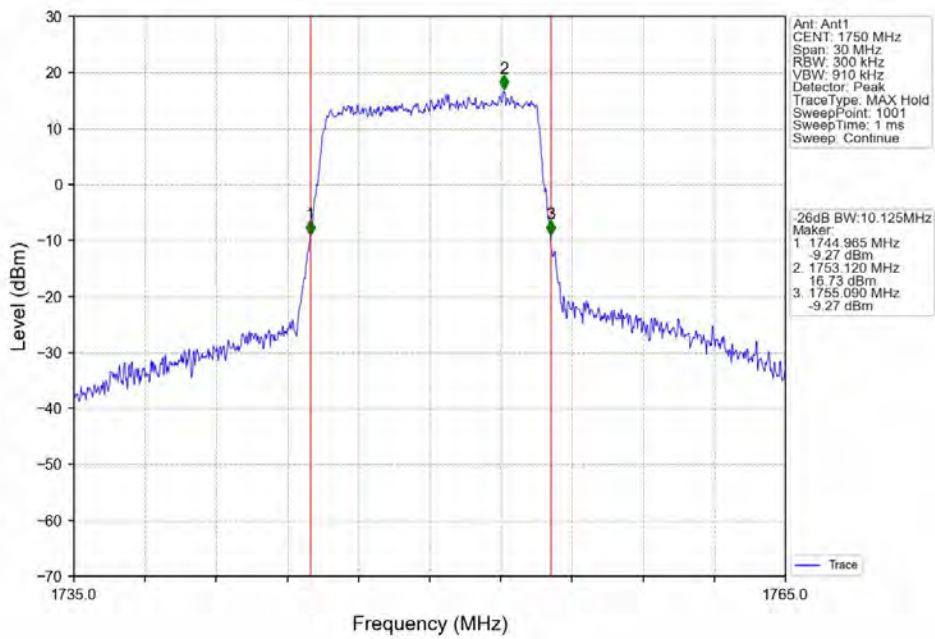
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



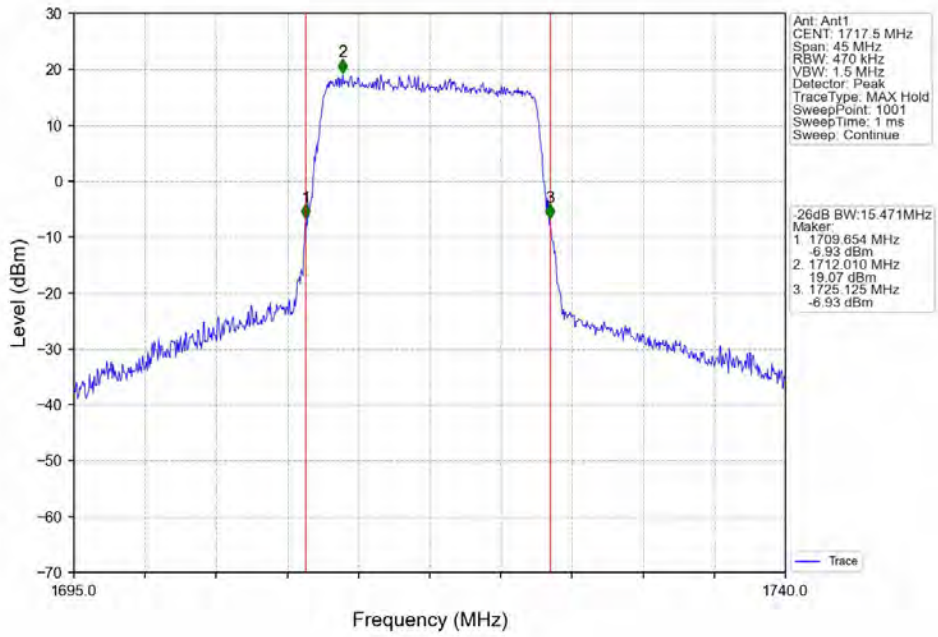
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



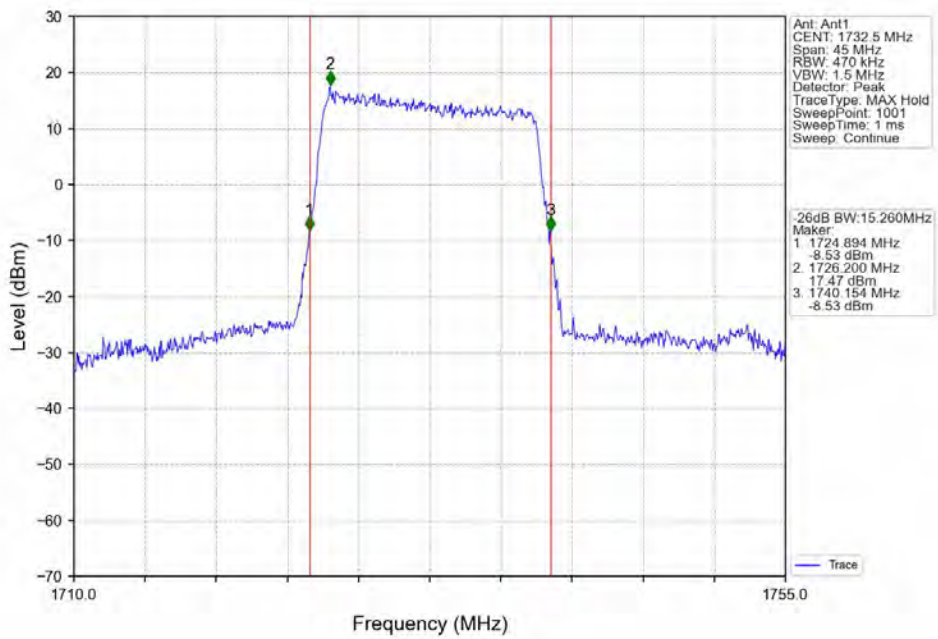
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



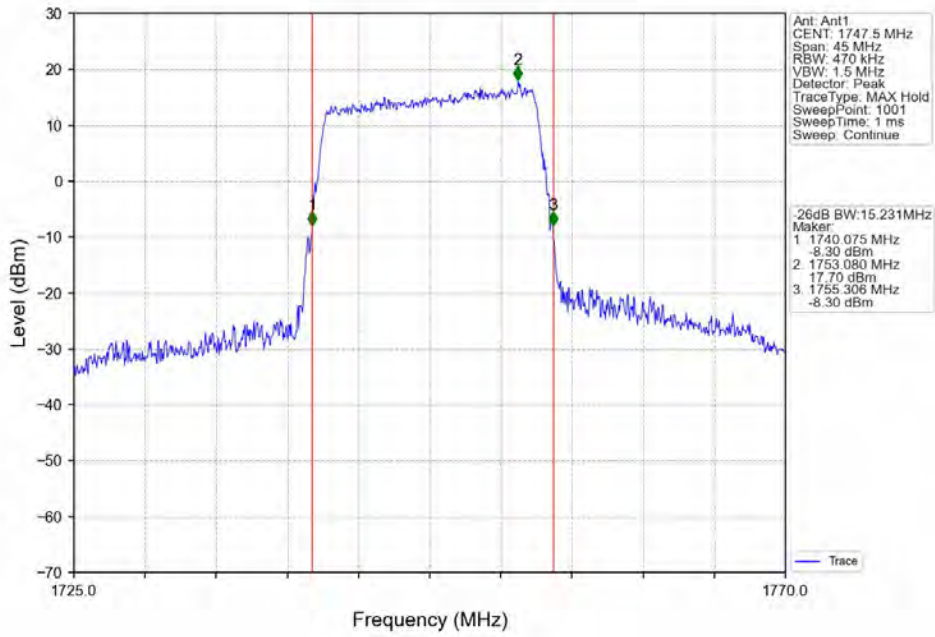
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



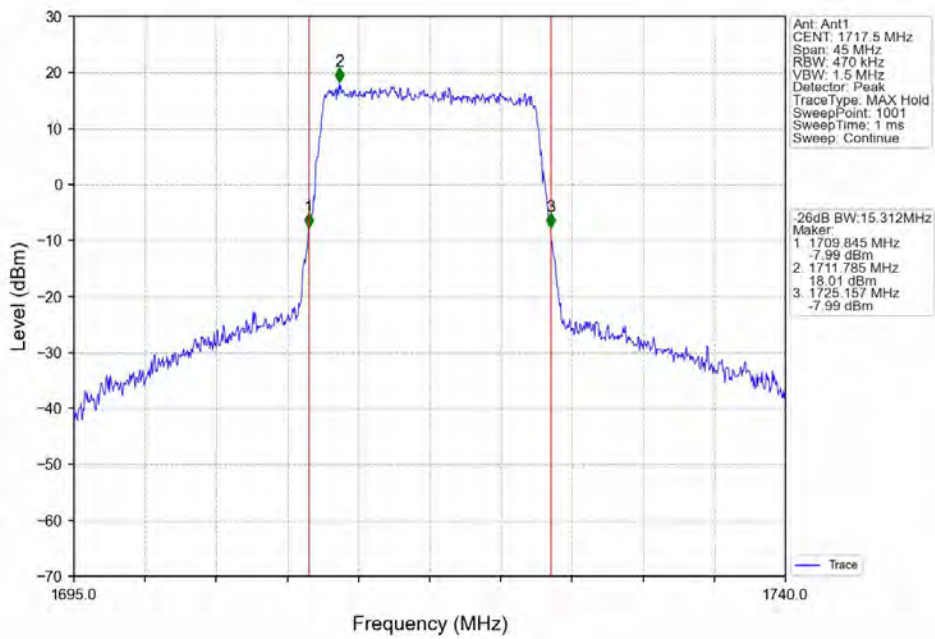
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



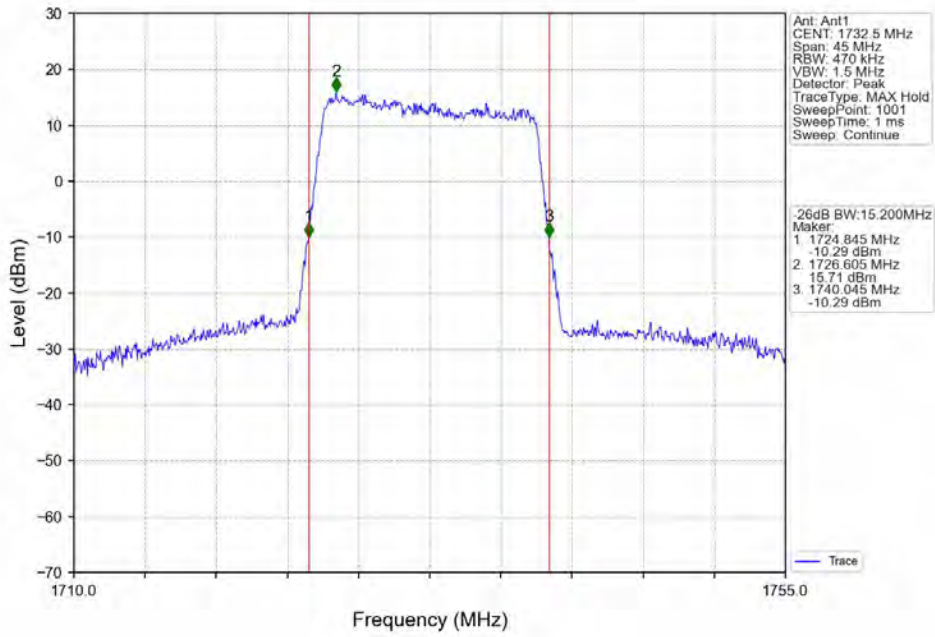
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



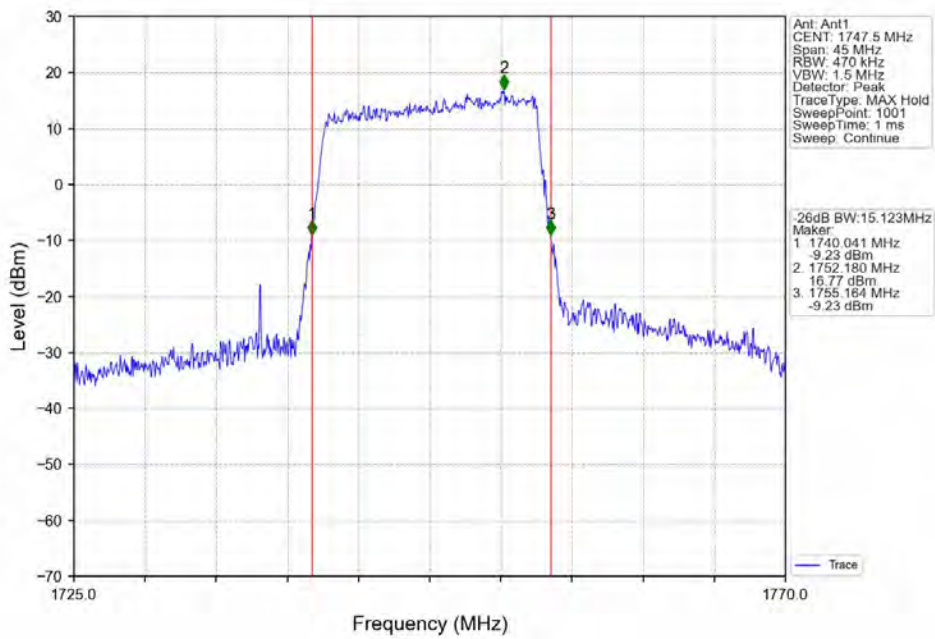
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



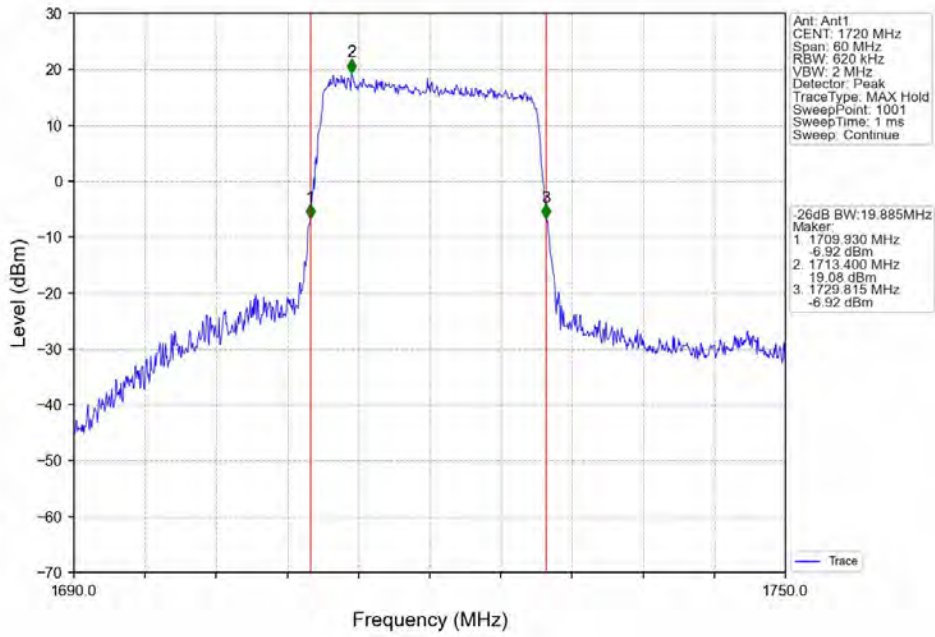
Band4 15MHz 16QAM MCH 1732.5MHz RB 75_0 NTN



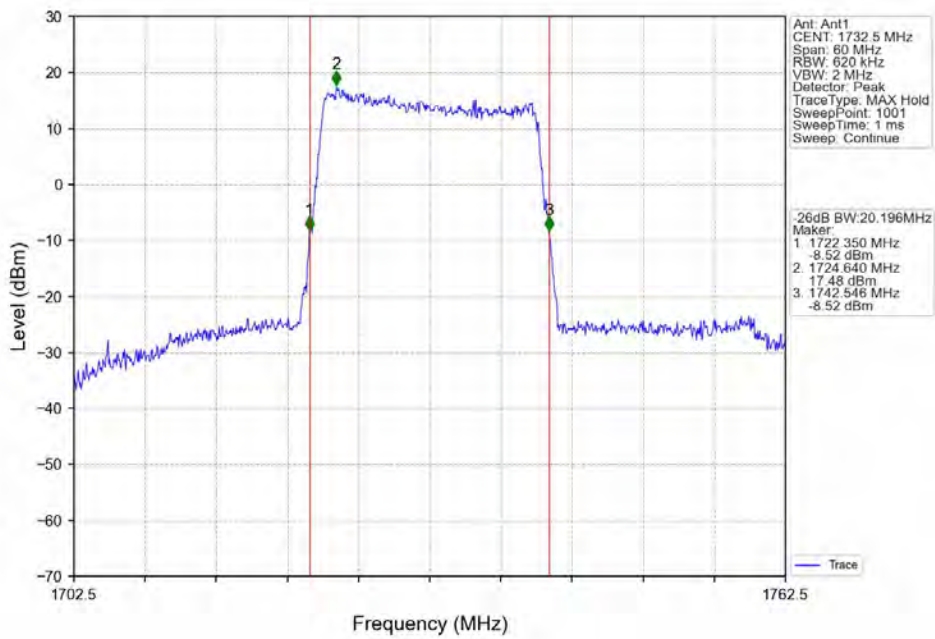
Band4 15MHz 16QAM HCH 1747.5MHz RB 75_0 NTN



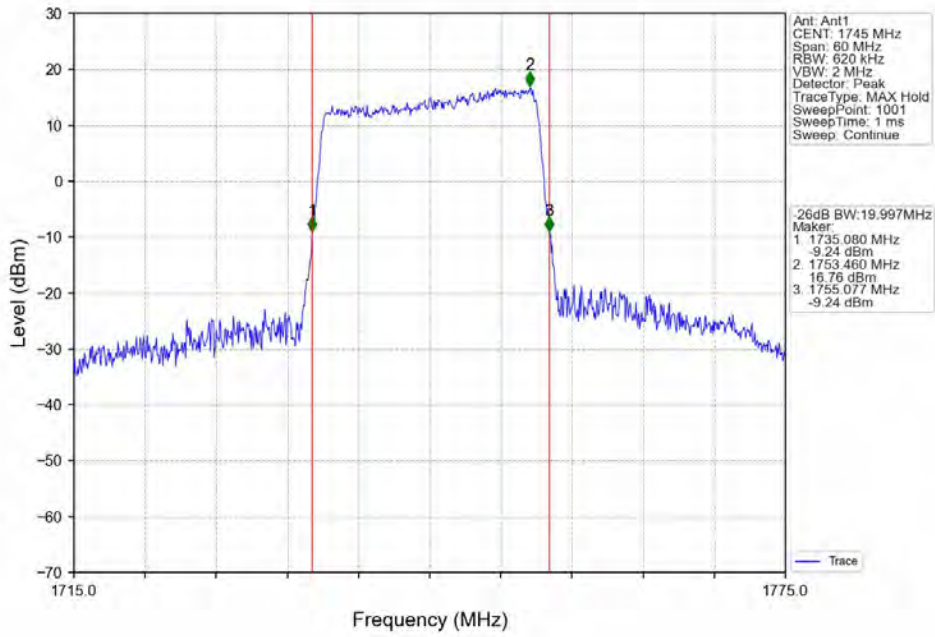
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



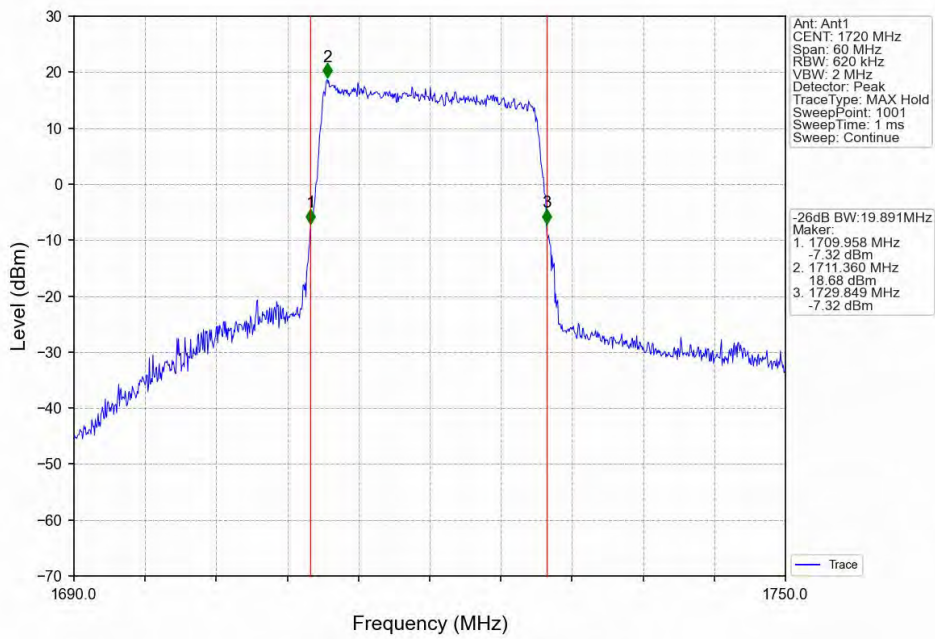
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



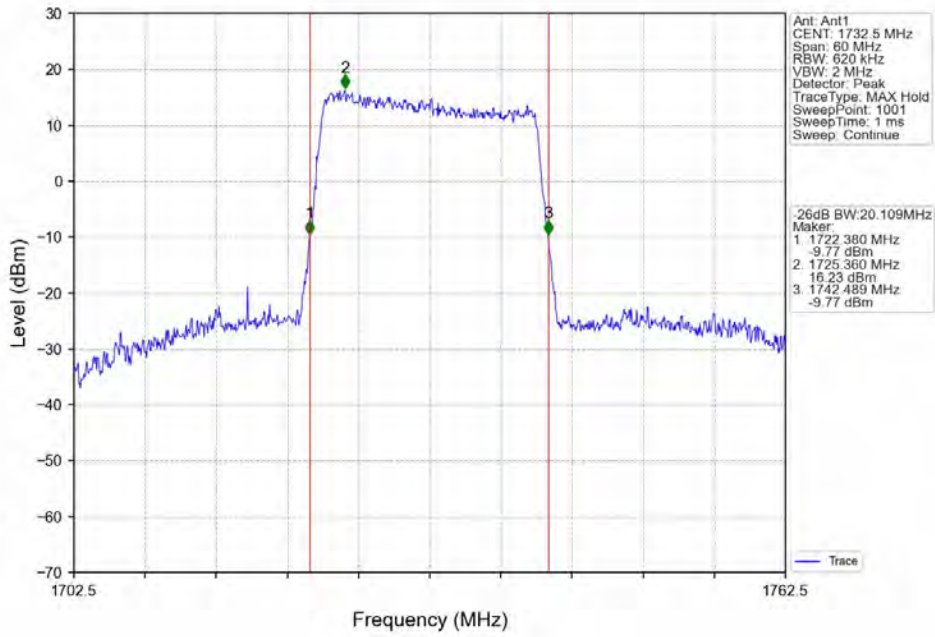
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



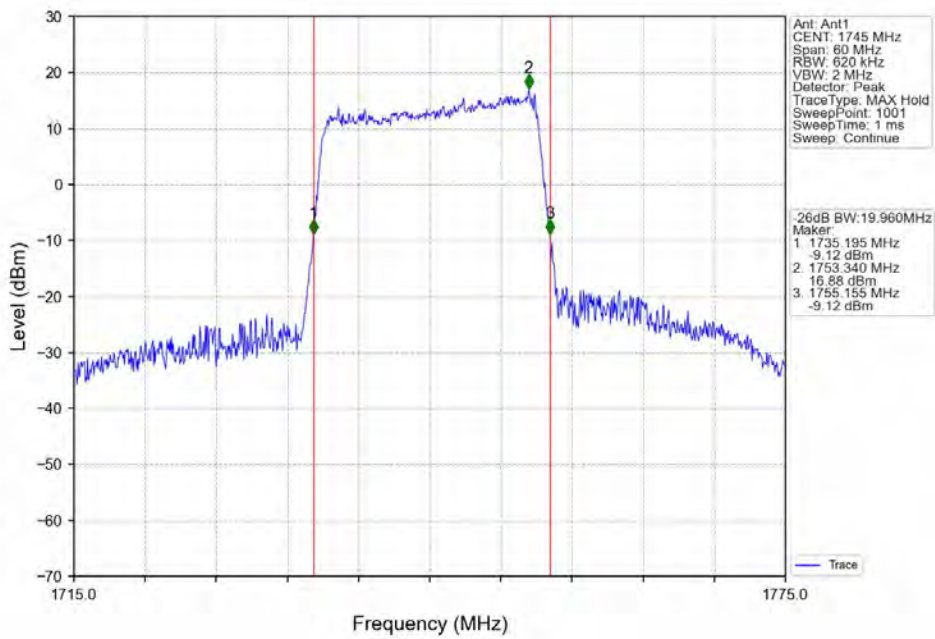
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



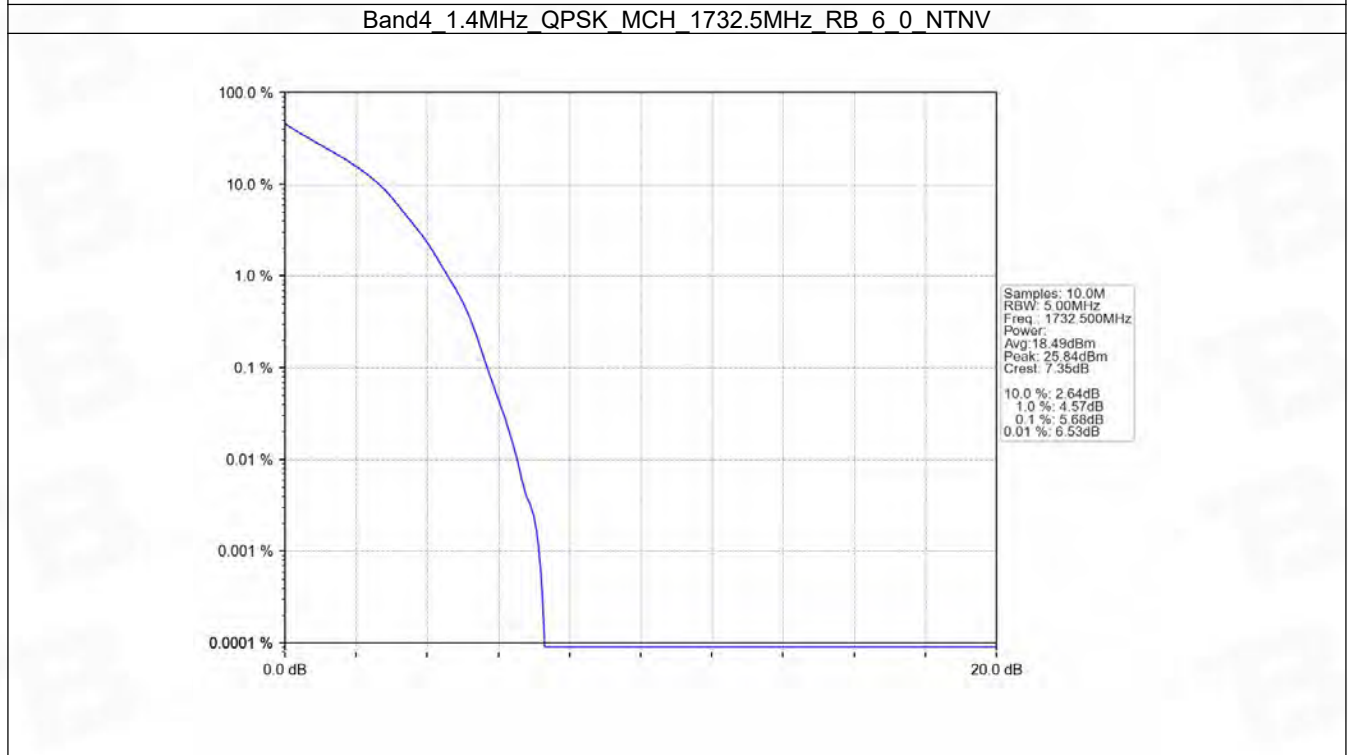
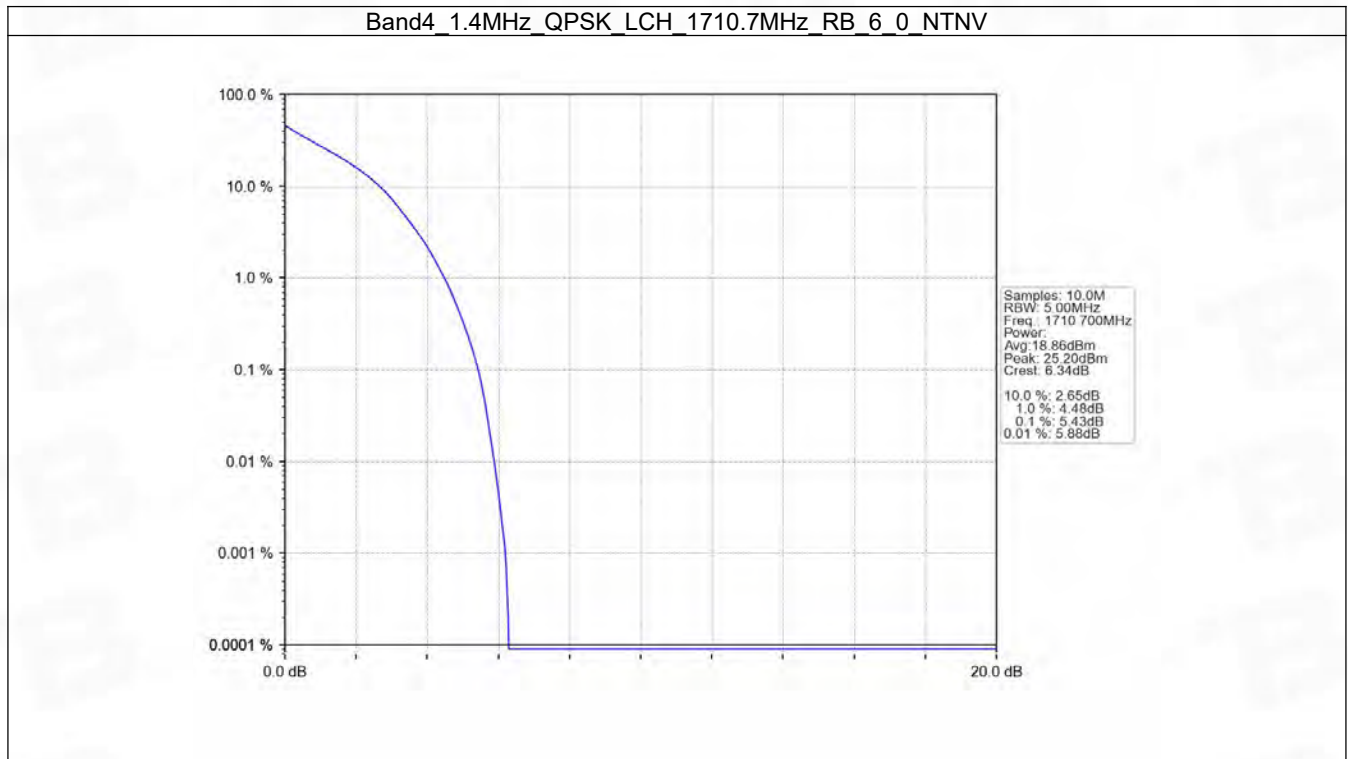
5. Peak-Average Ratio

5.1 B4_1.4MHz

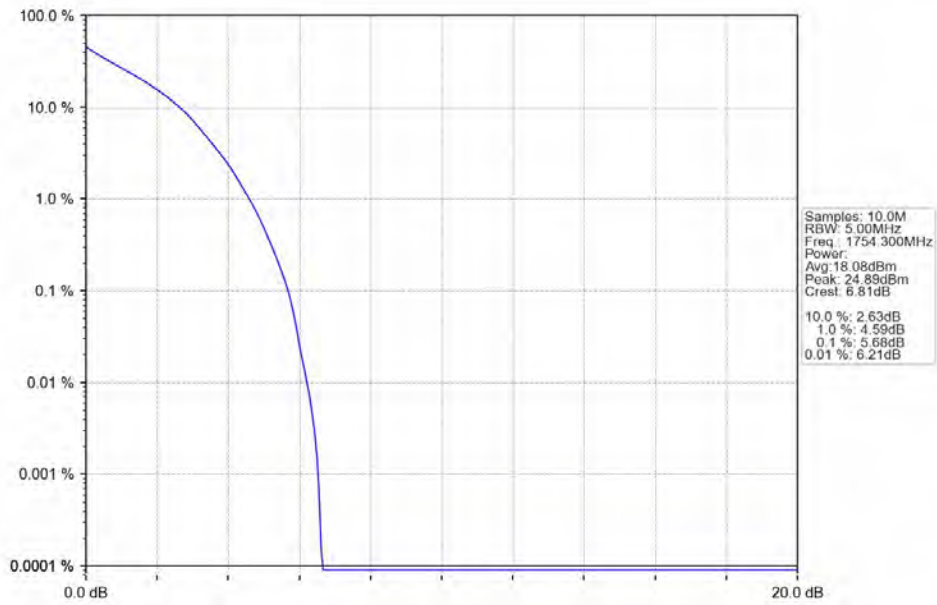
5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.43	<=13	Pass
	1732.5	6	0	5.68	<=13	Pass
	1754.3	6	0	5.68	<=13	Pass
16QAM	1710.7	6	0	6.21	<=13	Pass
	1732.5	6	0	6.59	<=13	Pass
	1754.3	6	0	6.45	<=13	Pass

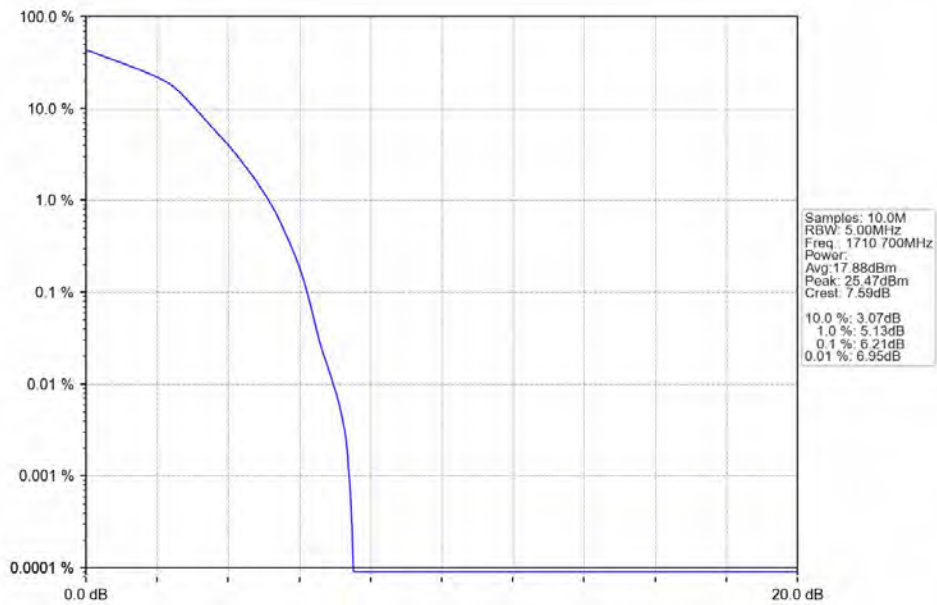
5.1.2 Test Graph



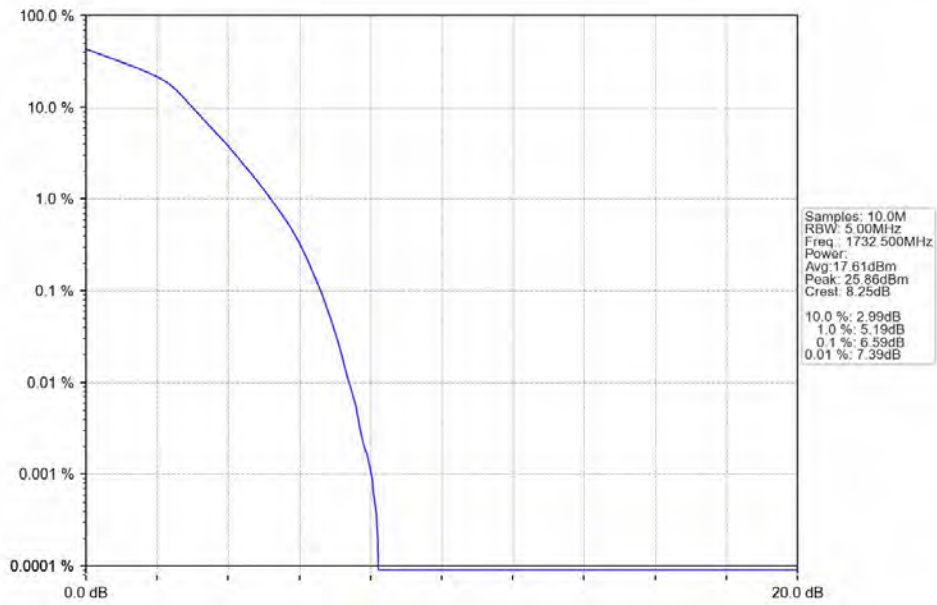
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



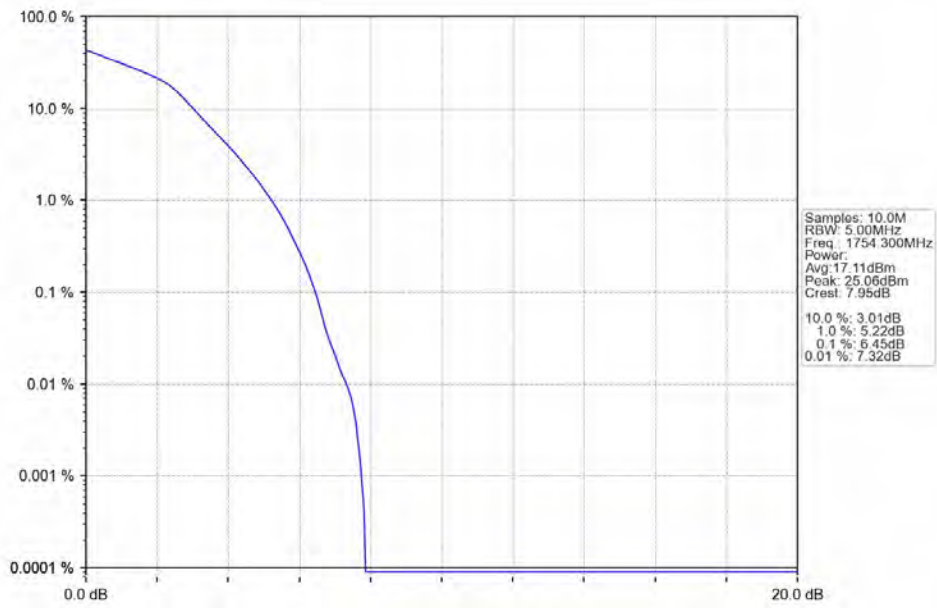
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

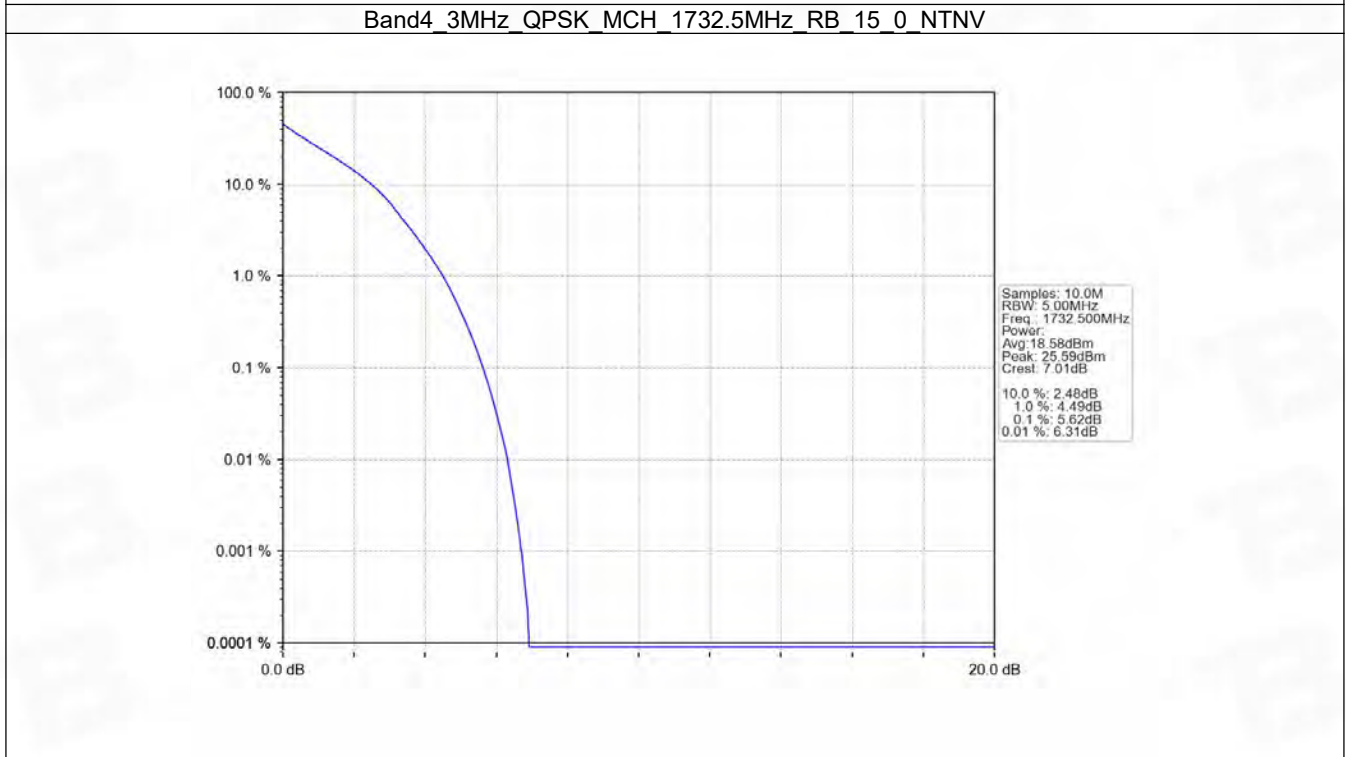
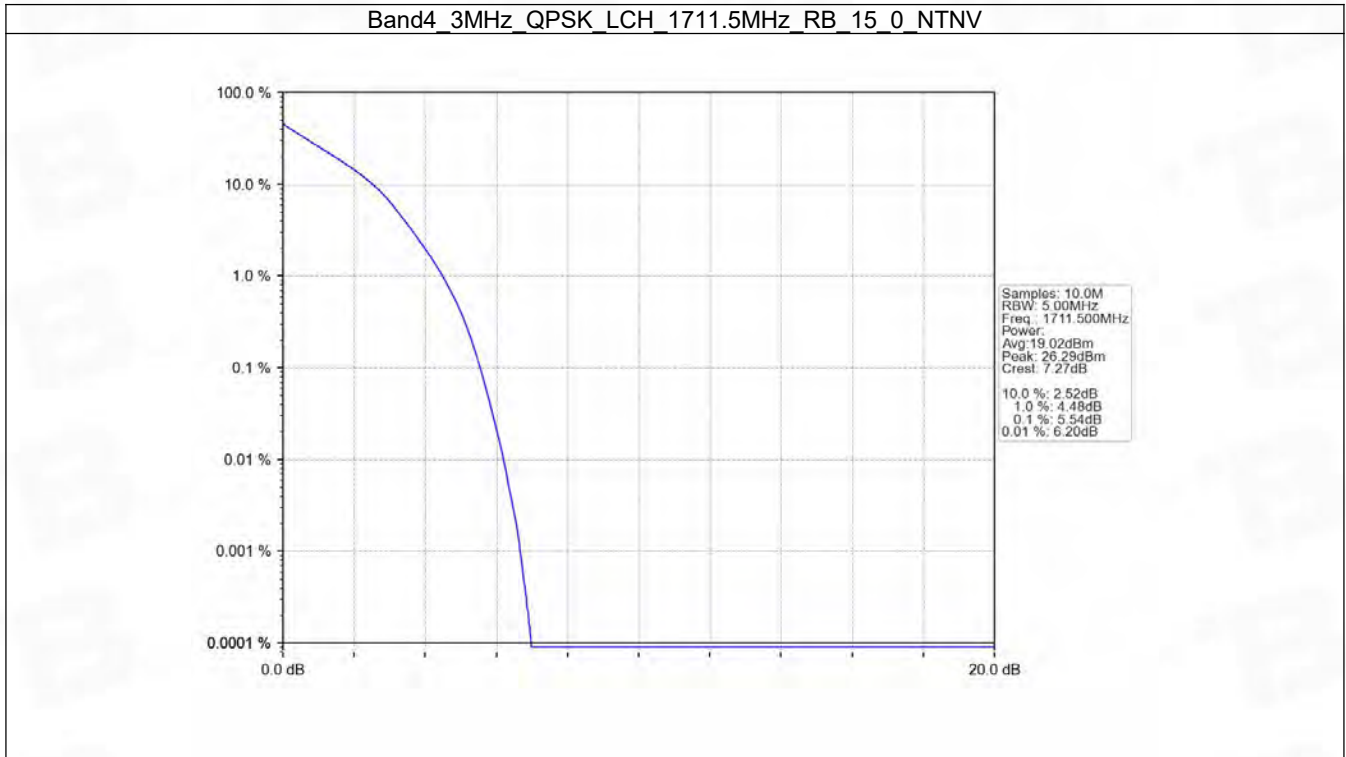


5.2 B4_3MHz

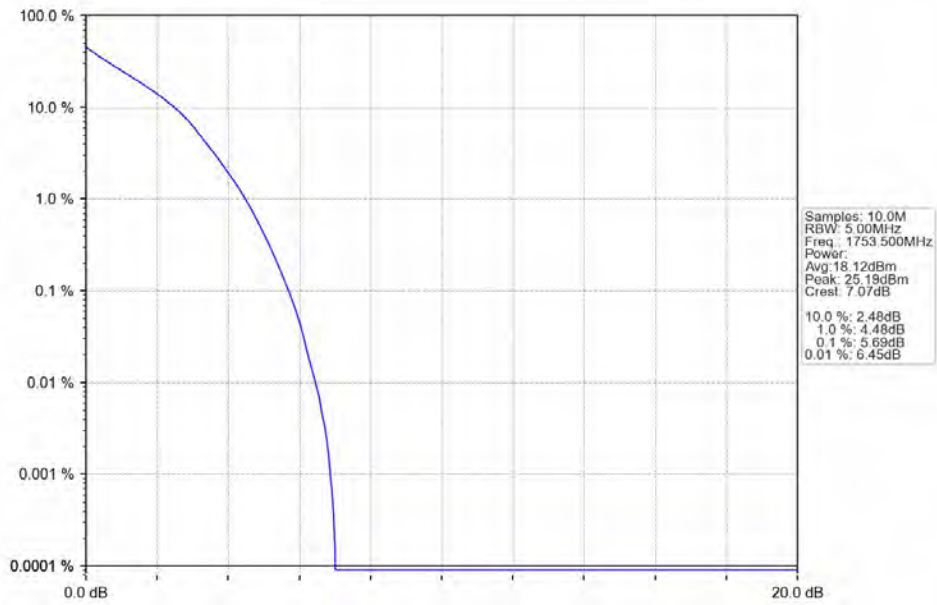
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.54	<=13	Pass
	1732.5	15	0	5.62	<=13	Pass
	1753.5	15	0	5.69	<=13	Pass
16QAM	1711.5	15	0	6.33	<=13	Pass
	1732.5	15	0	6.51	<=13	Pass
	1753.5	15	0	6.49	<=13	Pass

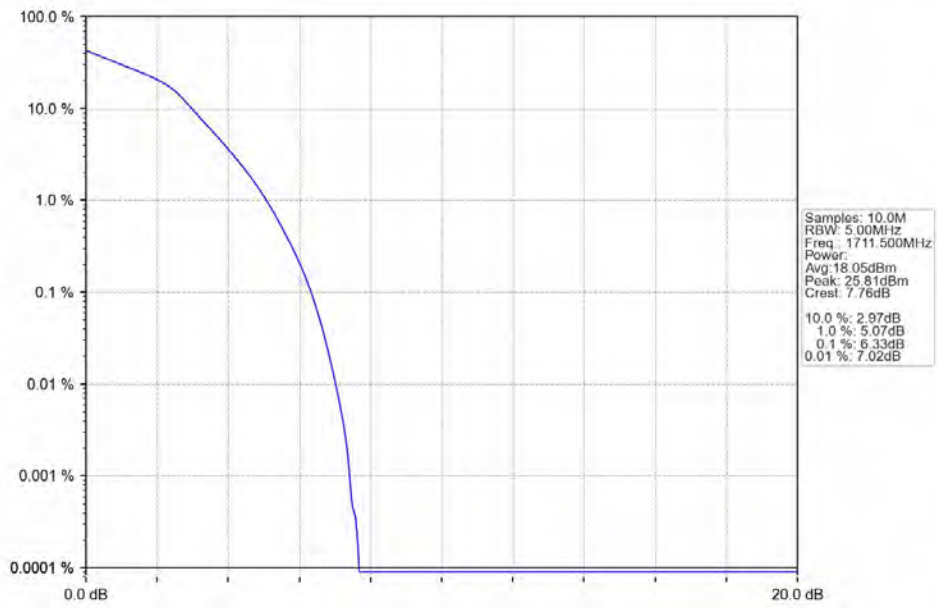
5.2.2 Test Graph



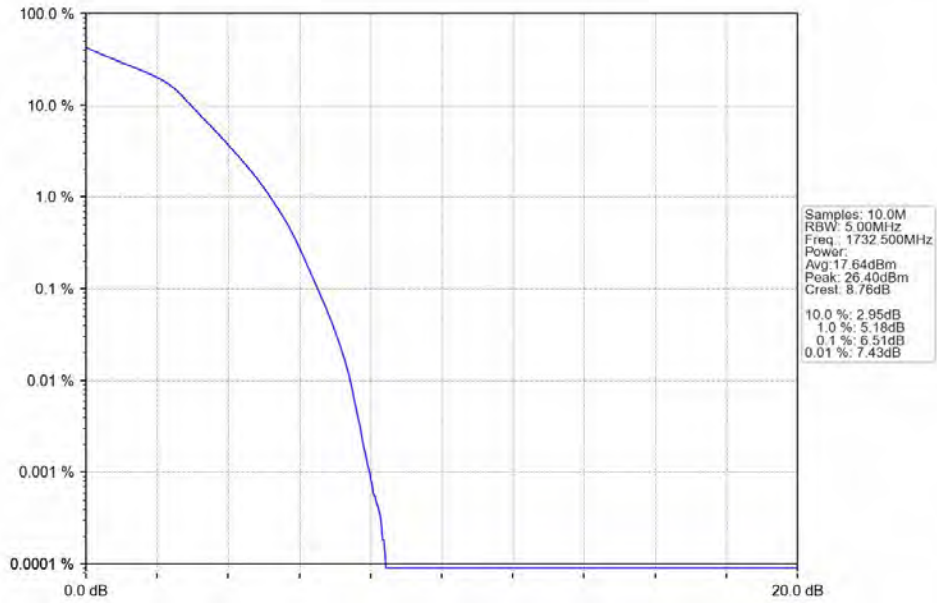
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



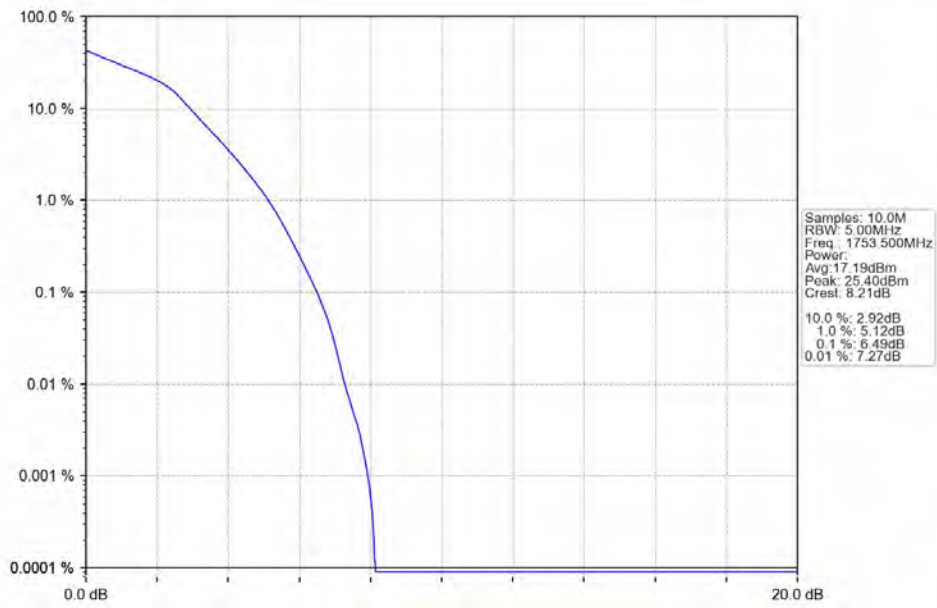
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

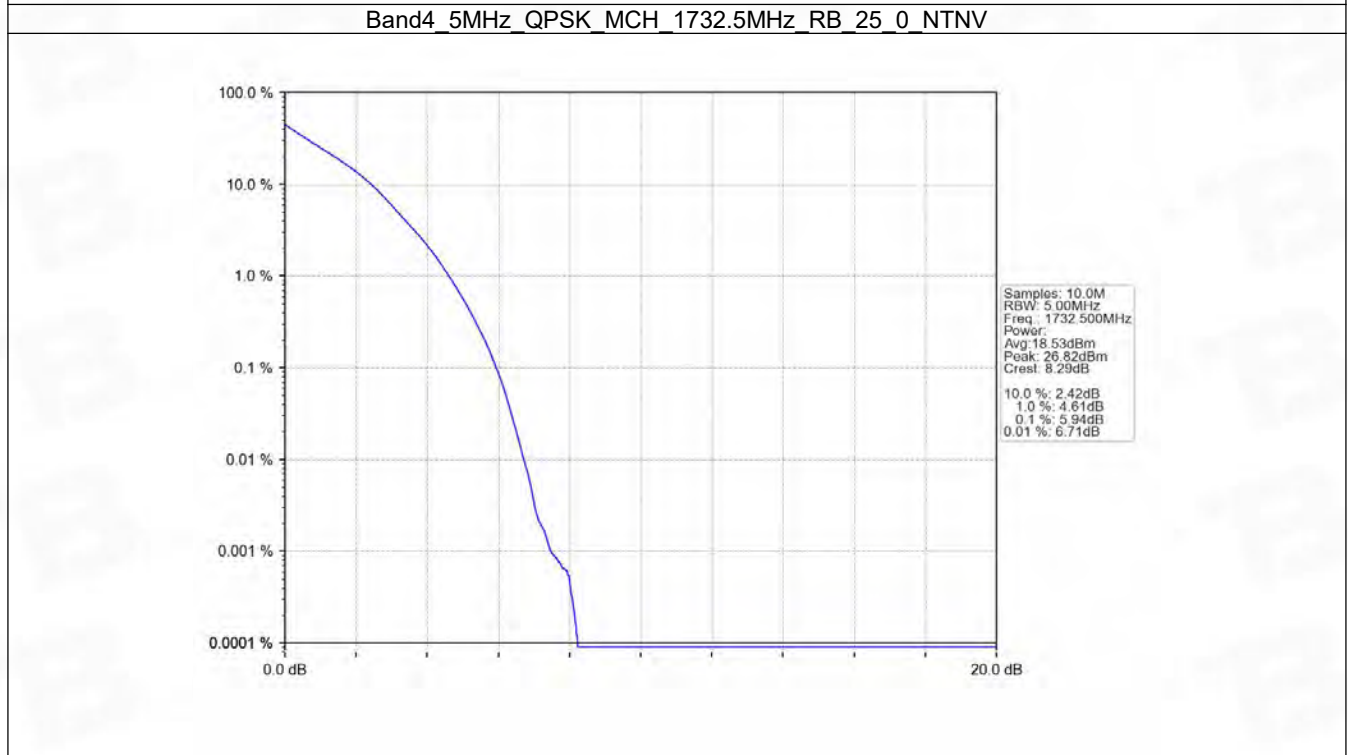
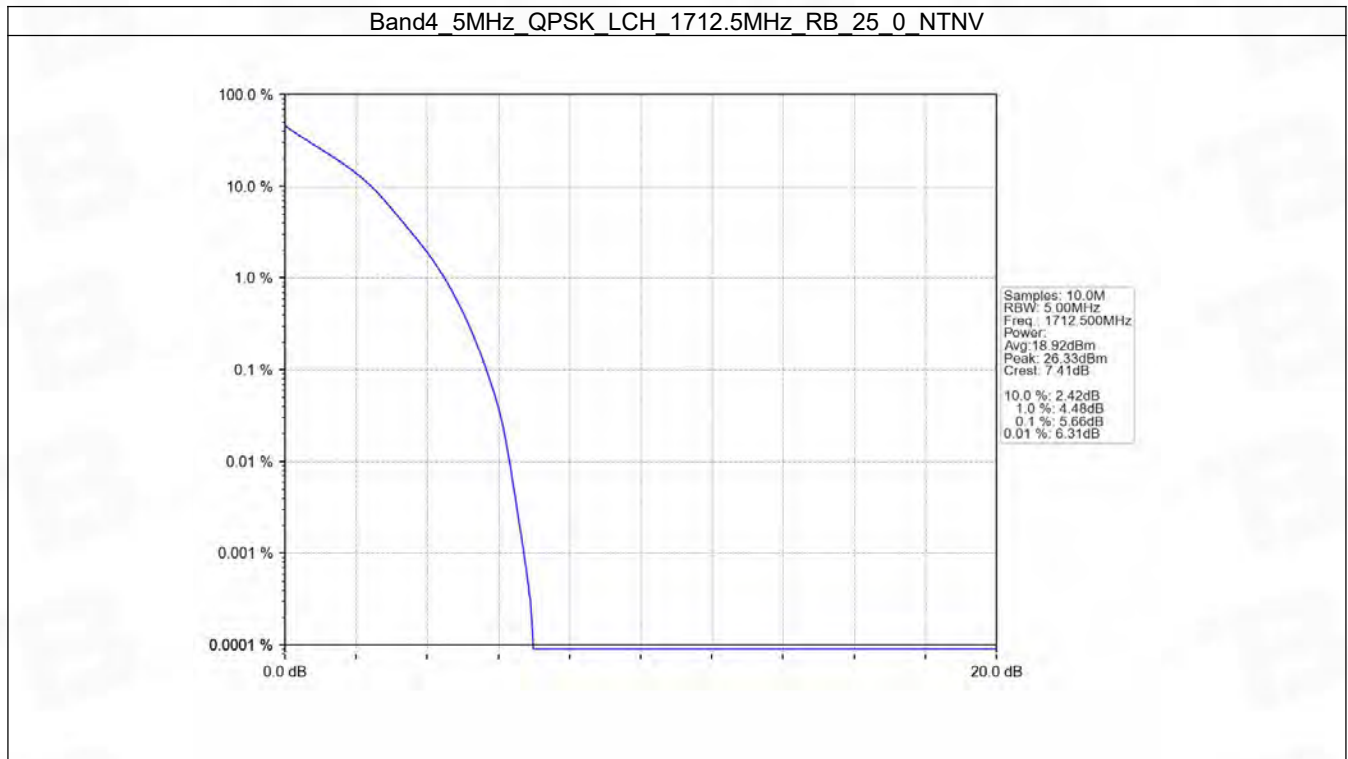


5.3 B4_5MHz

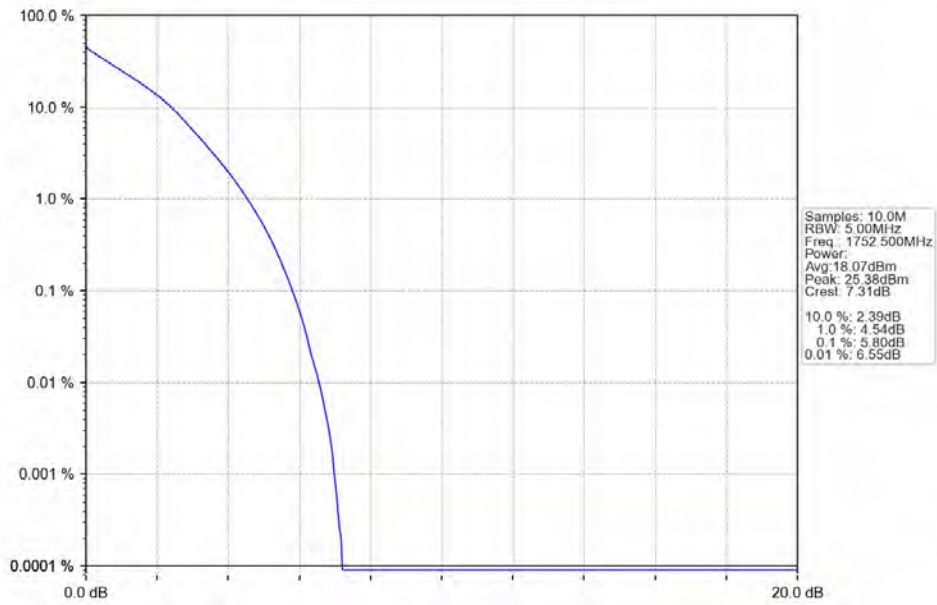
5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.66	<=13	Pass
	1732.5	25	0	5.94	<=13	Pass
	1752.5	25	0	5.80	<=13	Pass
16QAM	1712.5	25	0	6.38	<=13	Pass
	1732.5	25	0	6.63	<=13	Pass
	1752.5	25	0	6.47	<=13	Pass

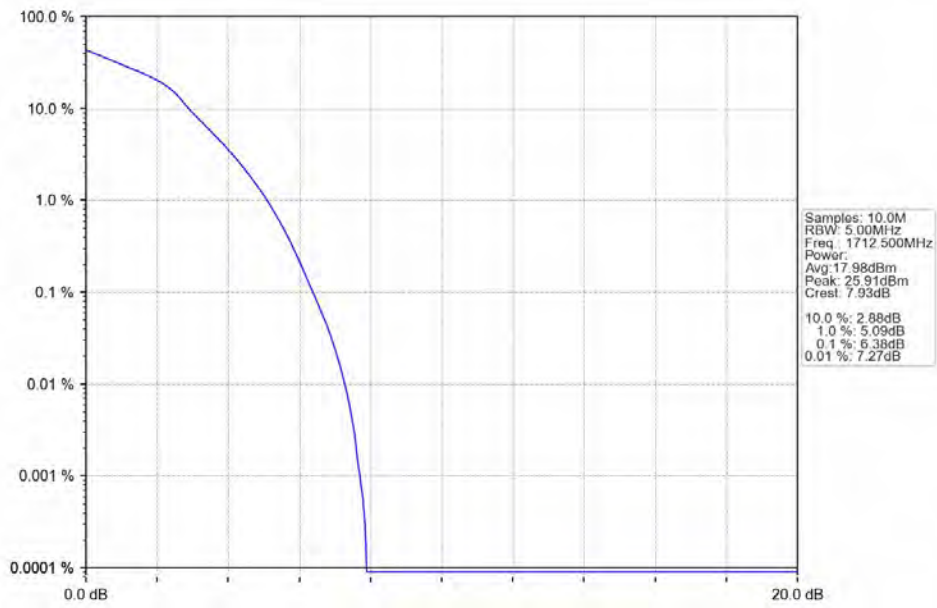
5.3.2 Test Graph



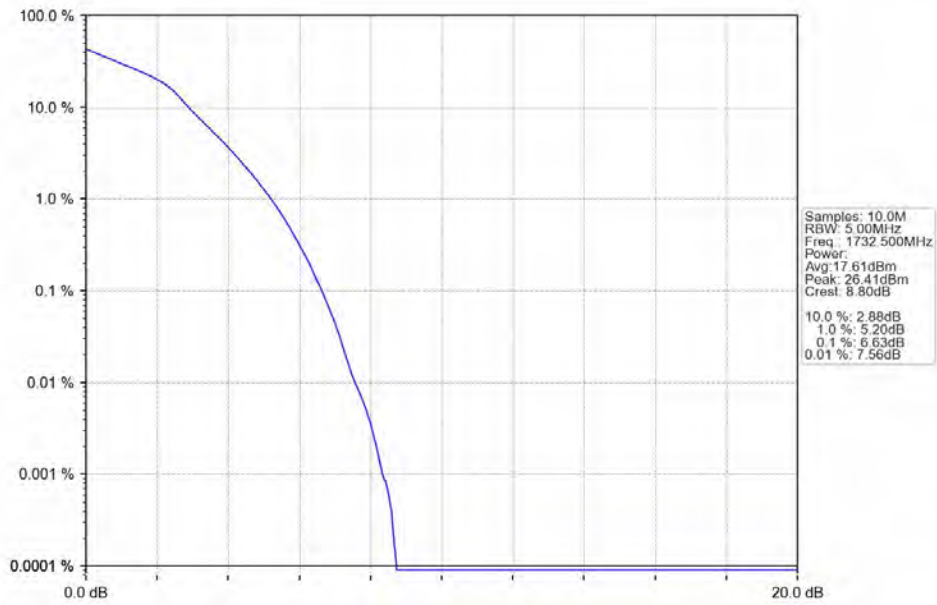
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



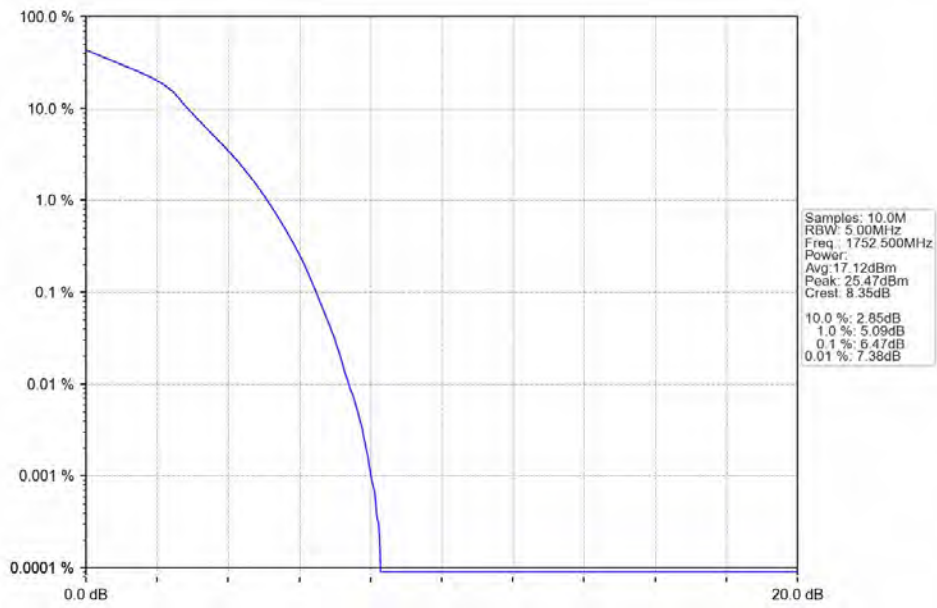
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



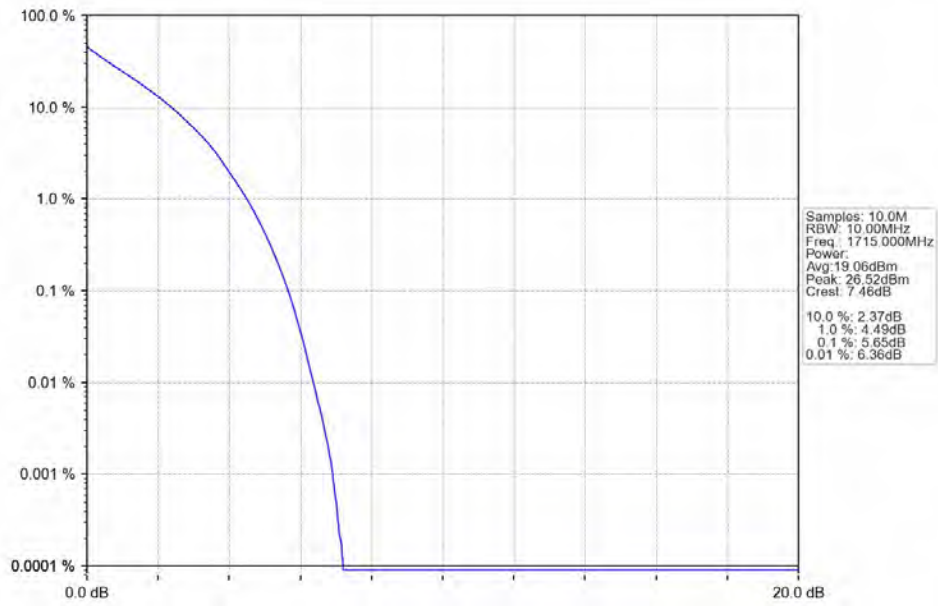
5.4 B4_10MHz

5.4.1 Test Result

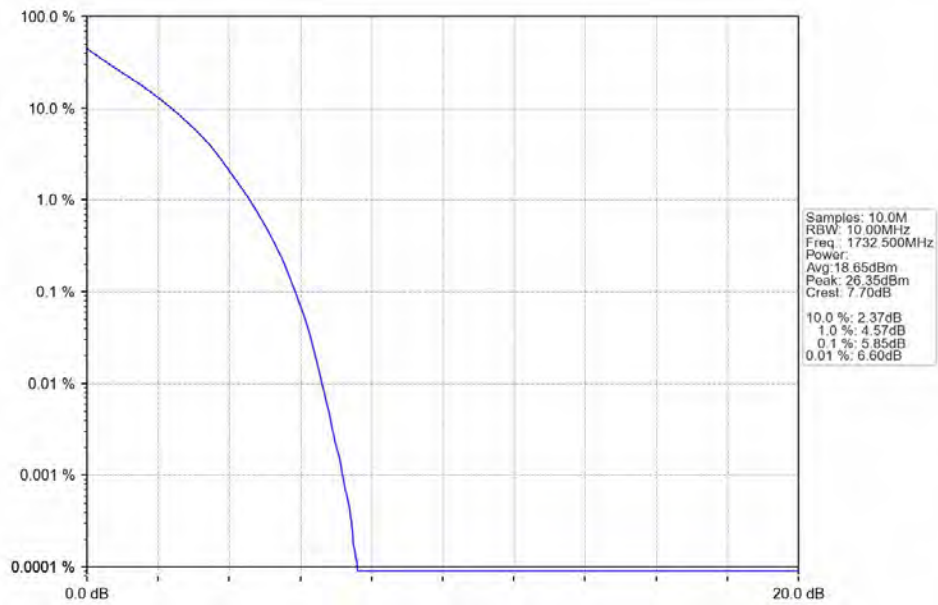
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.65	<=13	Pass
	1732.5	50	0	5.85	<=13	Pass
	1750	50	0	5.79	<=13	Pass
16QAM	1715	50	0	6.40	<=13	Pass
	1732.5	50	0	6.64	<=13	Pass
	1750	50	0	6.49	<=13	Pass

5.4.2 Test Graph

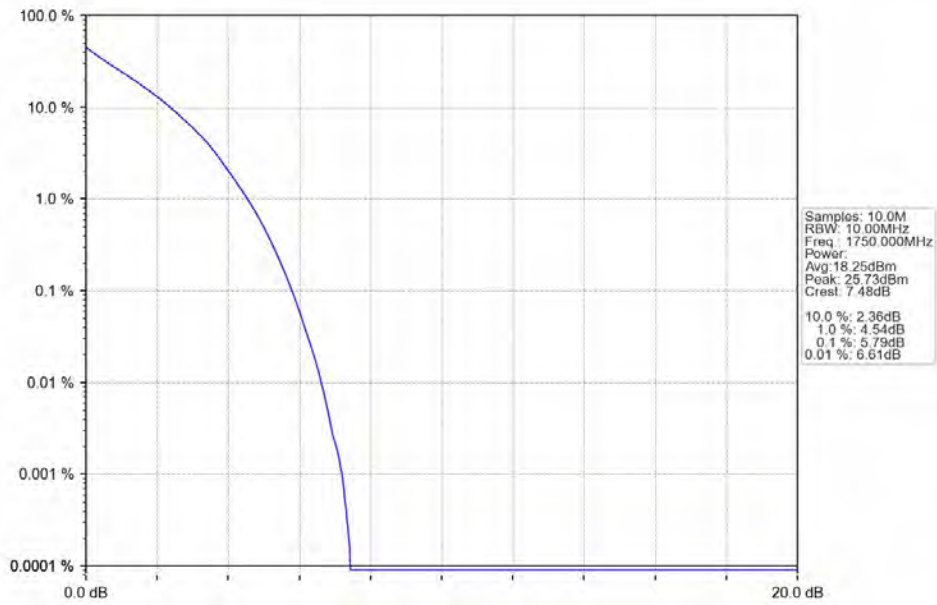
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



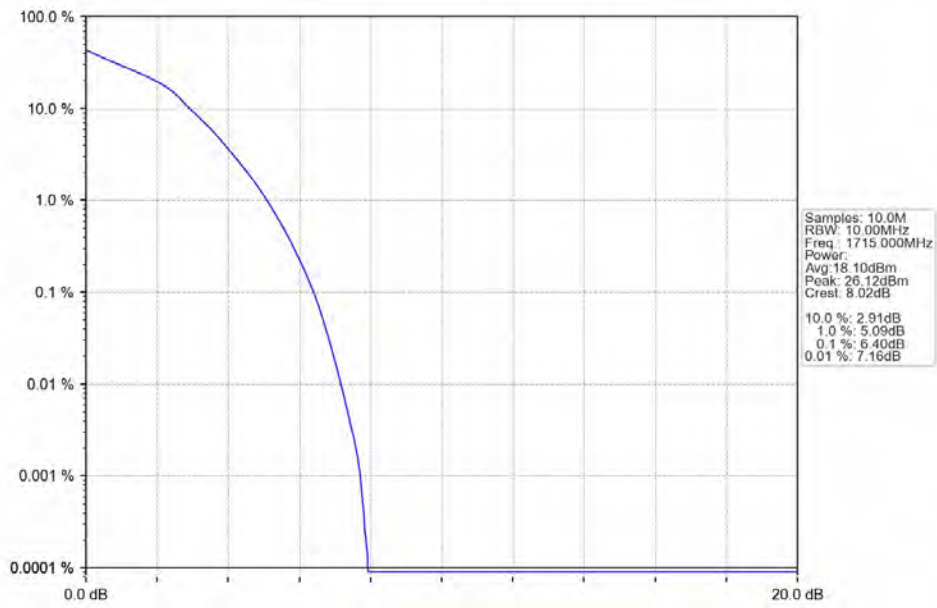
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



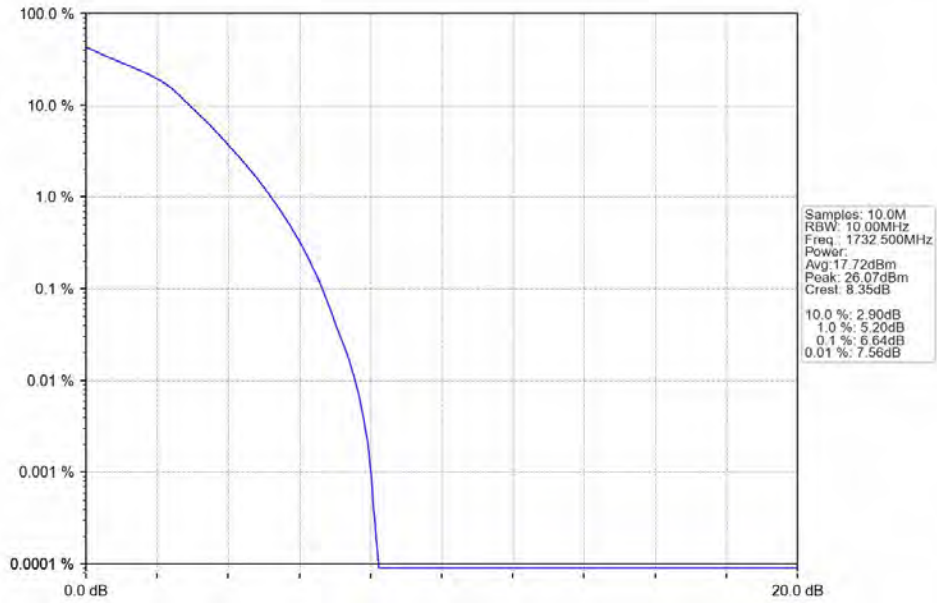
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



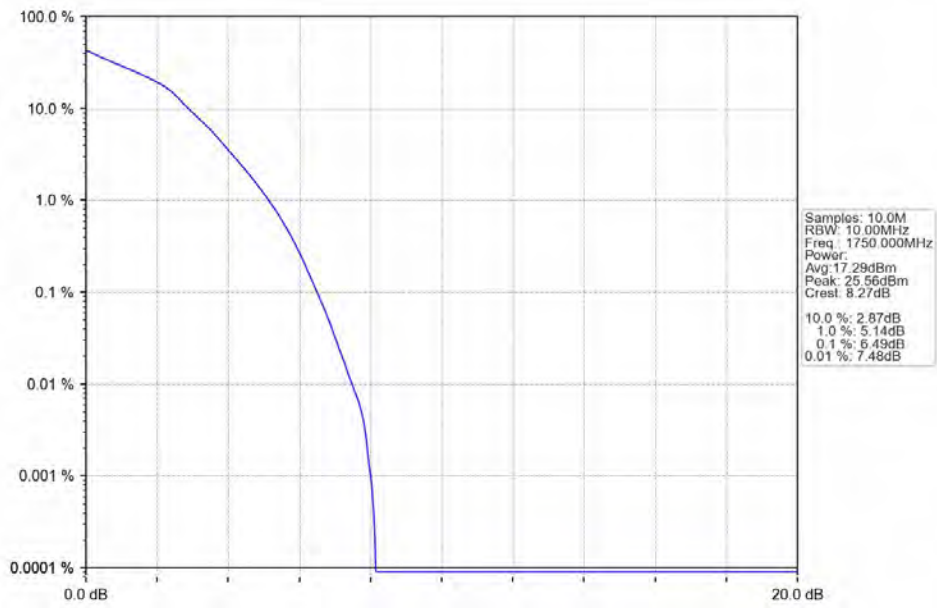
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

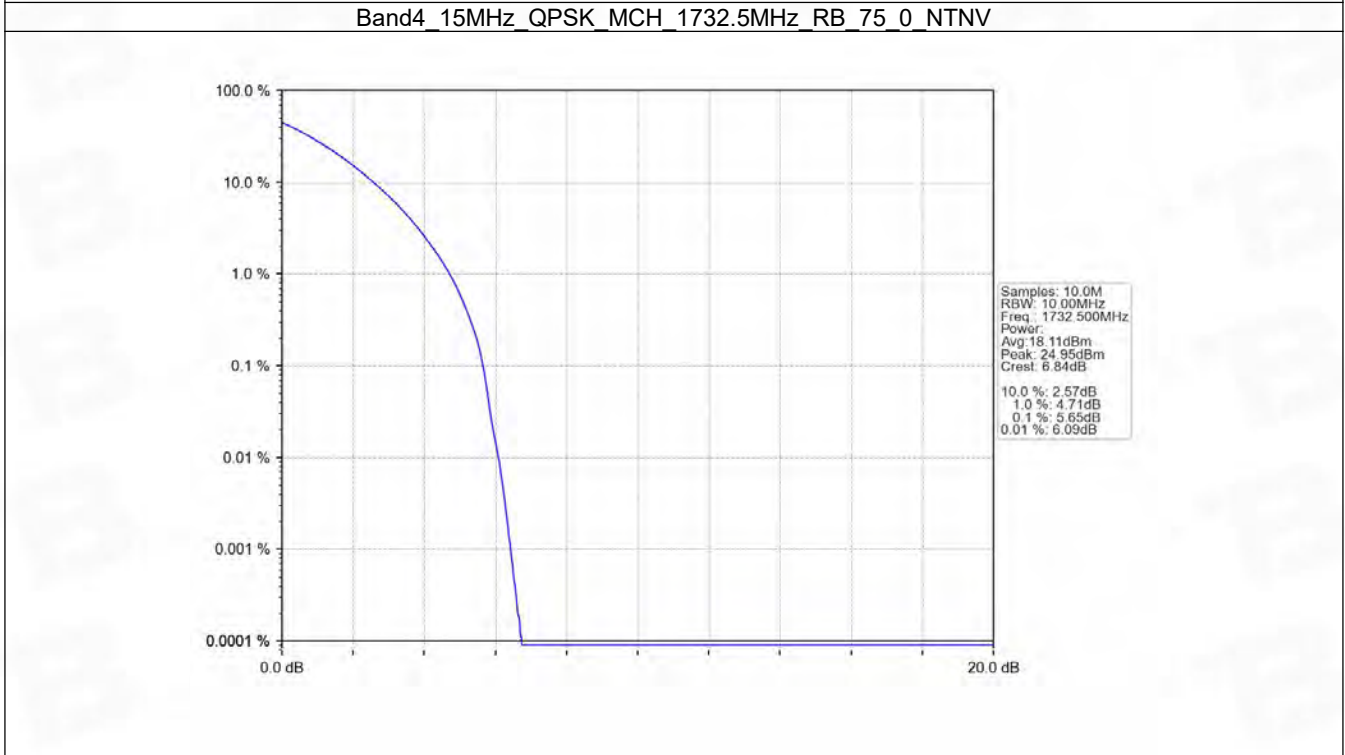
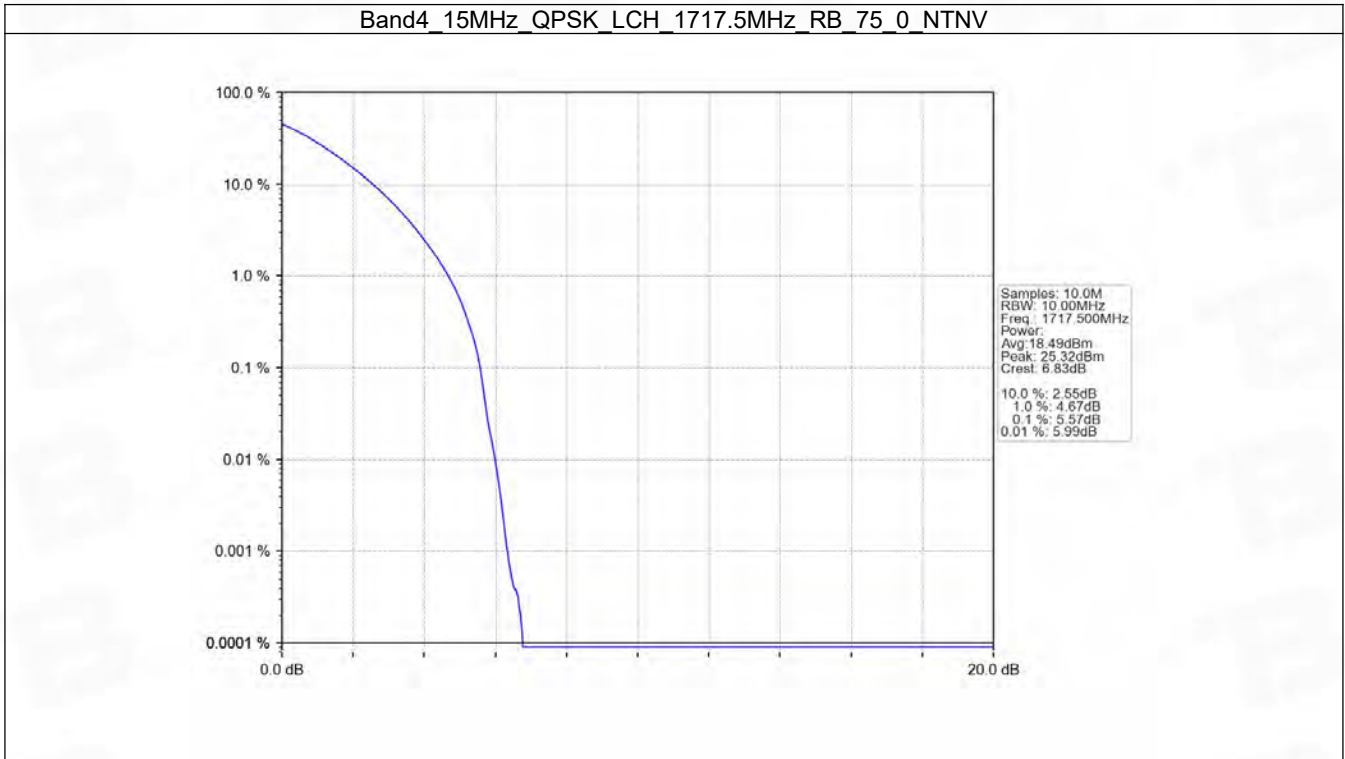


5.5 B4_15MHz

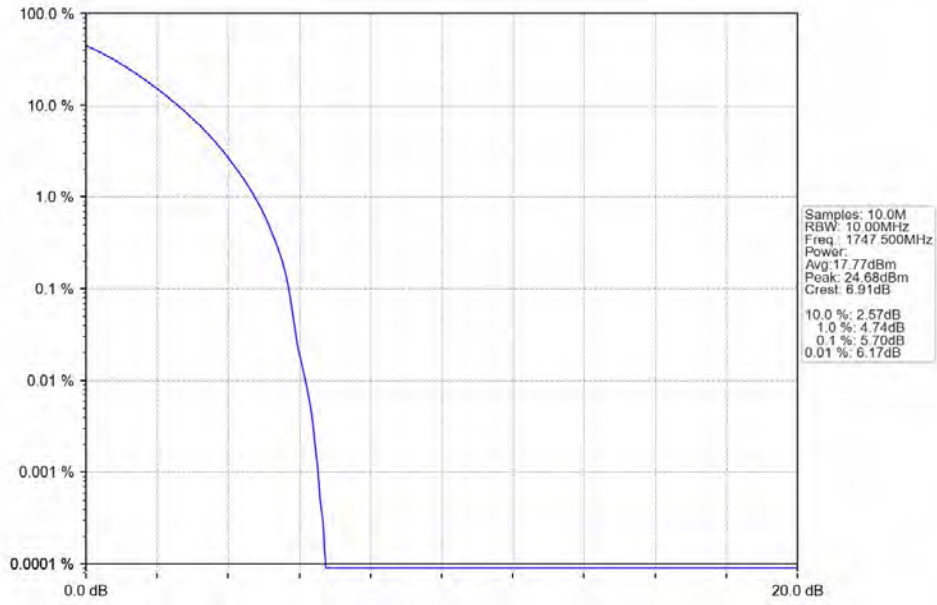
5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.57	<=13	Pass
	1732.5	75	0	5.65	<=13	Pass
	1747.5	75	0	5.70	<=13	Pass
16QAM	1717.5	75	0	6.30	<=13	Pass
	1732.5	75	0	6.40	<=13	Pass
	1747.5	75	0	6.38	<=13	Pass

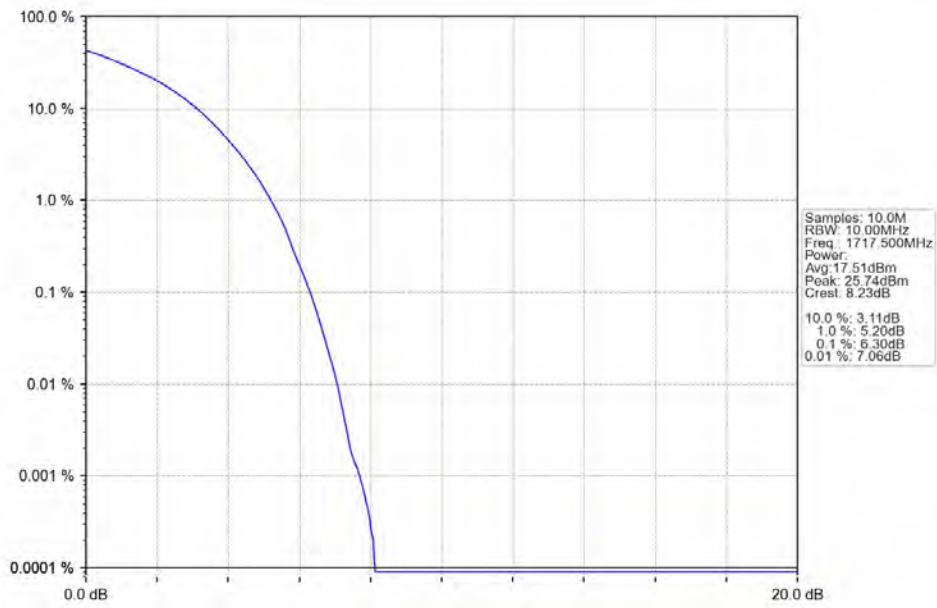
5.5.2 Test Graph



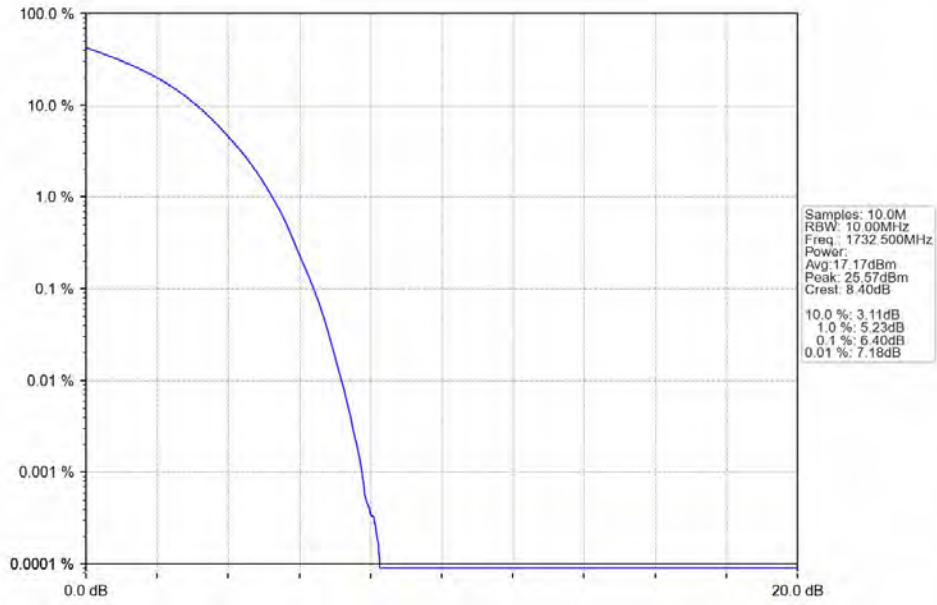
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



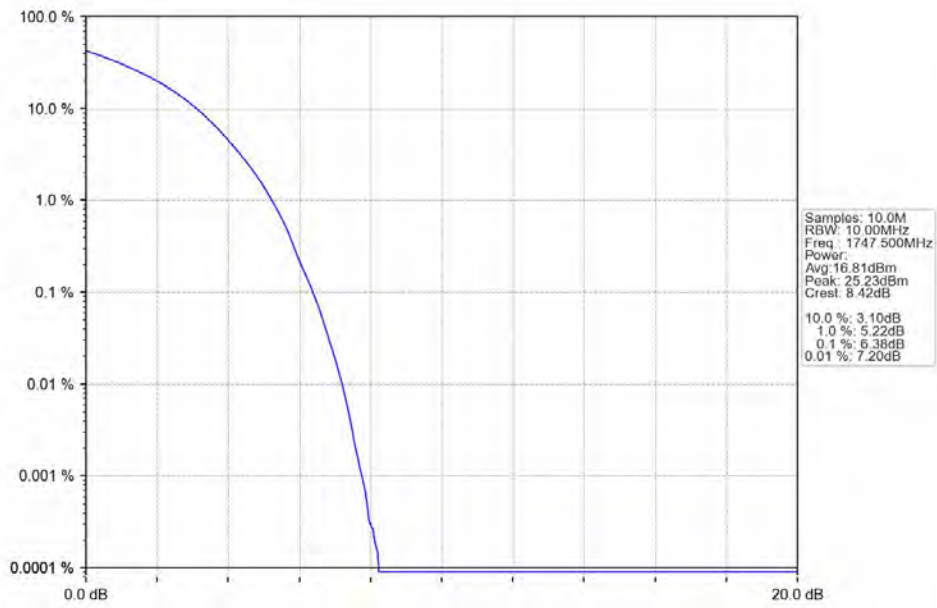
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4 15MHz 16QAM MCH 1732.5MHz RB 75_0_NTNV



Band4 15MHz 16QAM HCH 1747.5MHz RB 75_0_NTNV

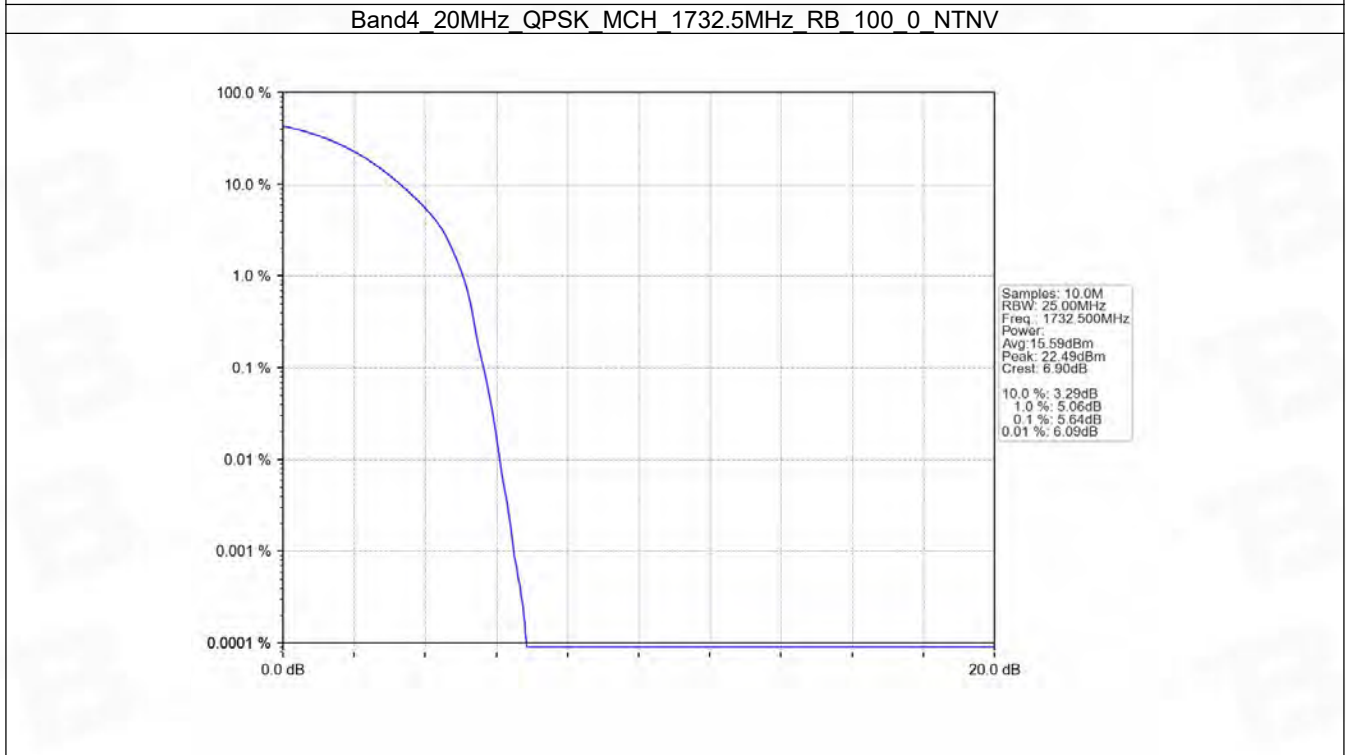
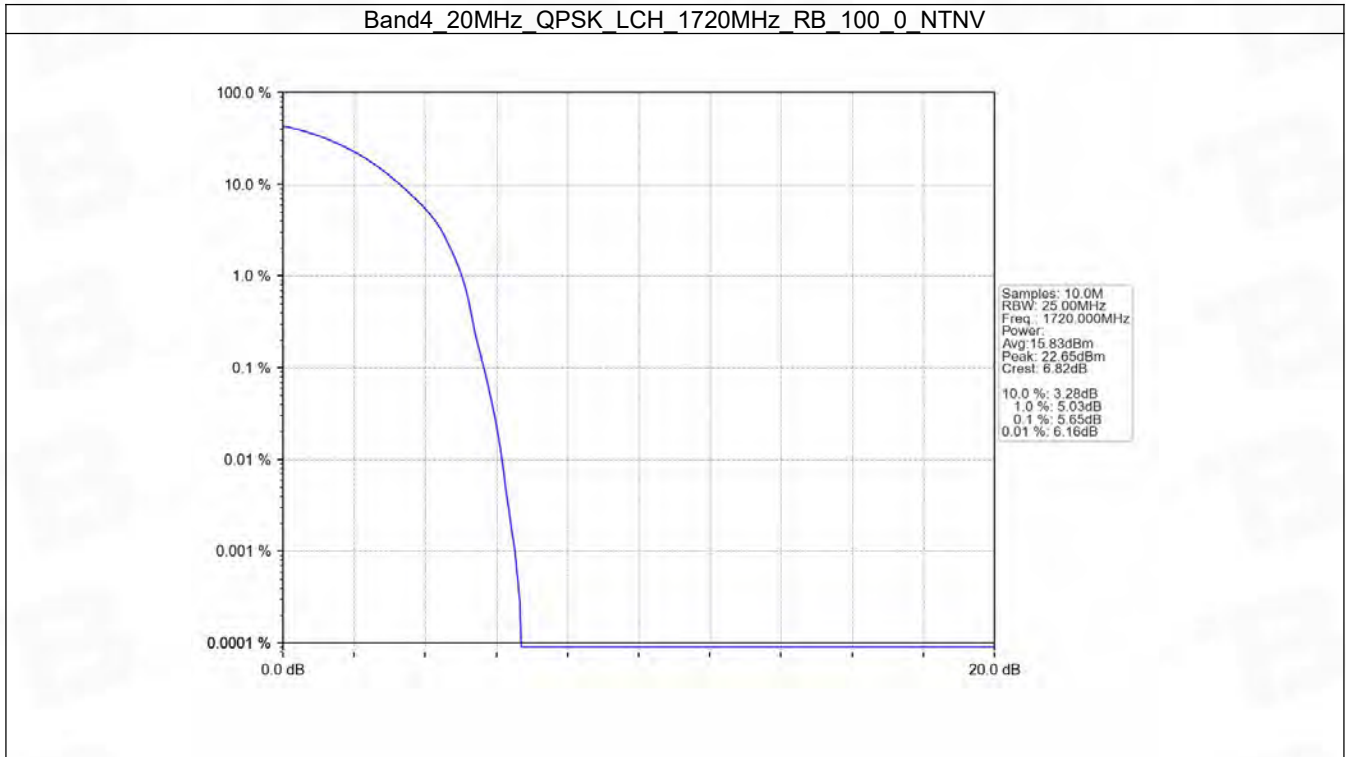


5.6 B4_20MHz

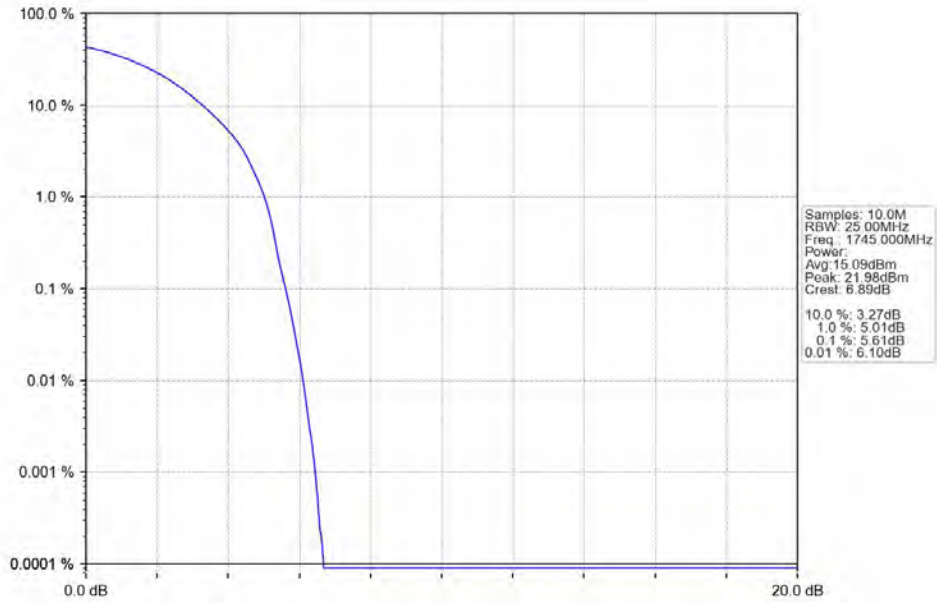
5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.65	<=13	Pass
	1732.5	100	0	5.64	<=13	Pass
	1745	100	0	5.61	<=13	Pass
16QAM	1720	100	0	6.71	<=13	Pass
	1732.5	100	0	6.75	<=13	Pass
	1745	100	0	6.74	<=13	Pass

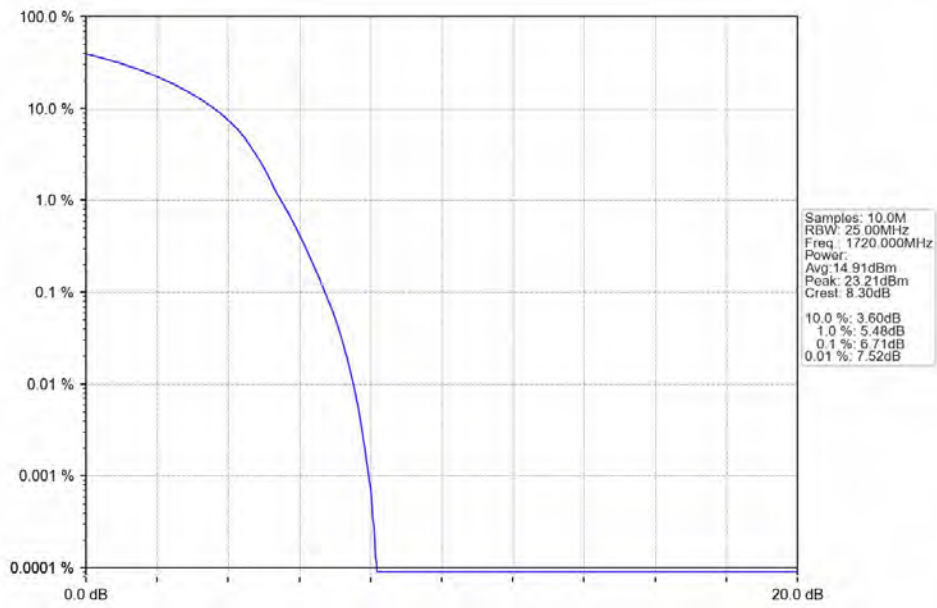
5.6.2 Test Graph



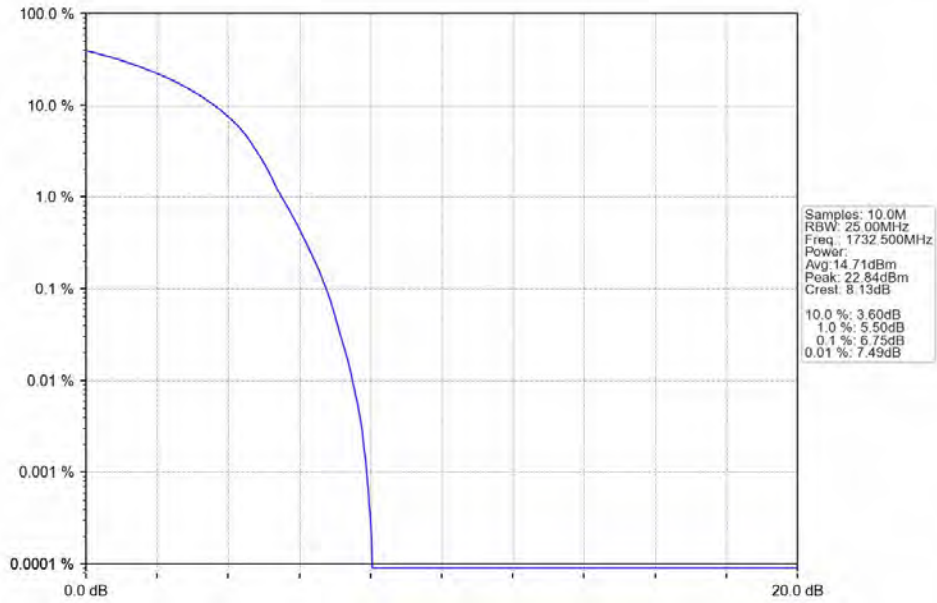
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



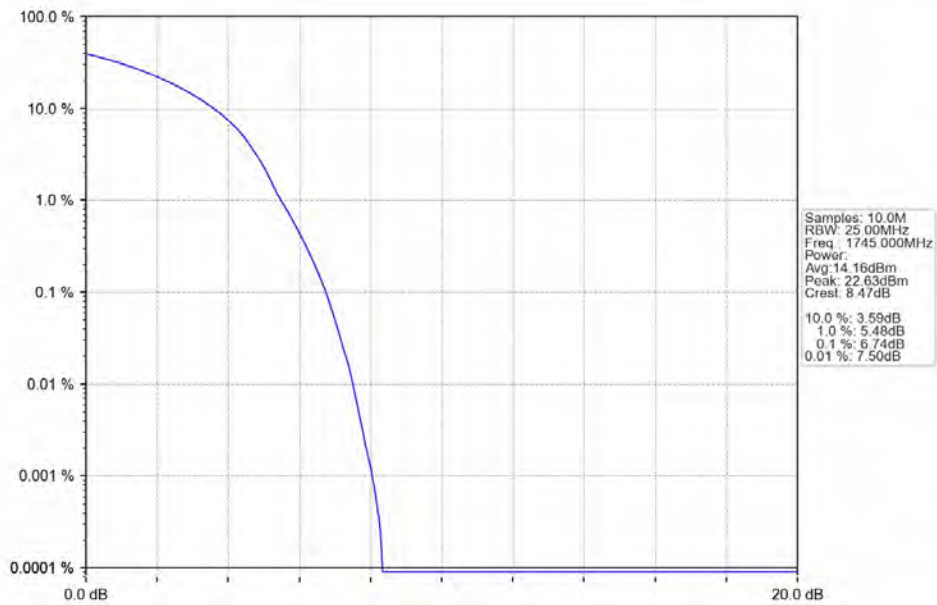
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV



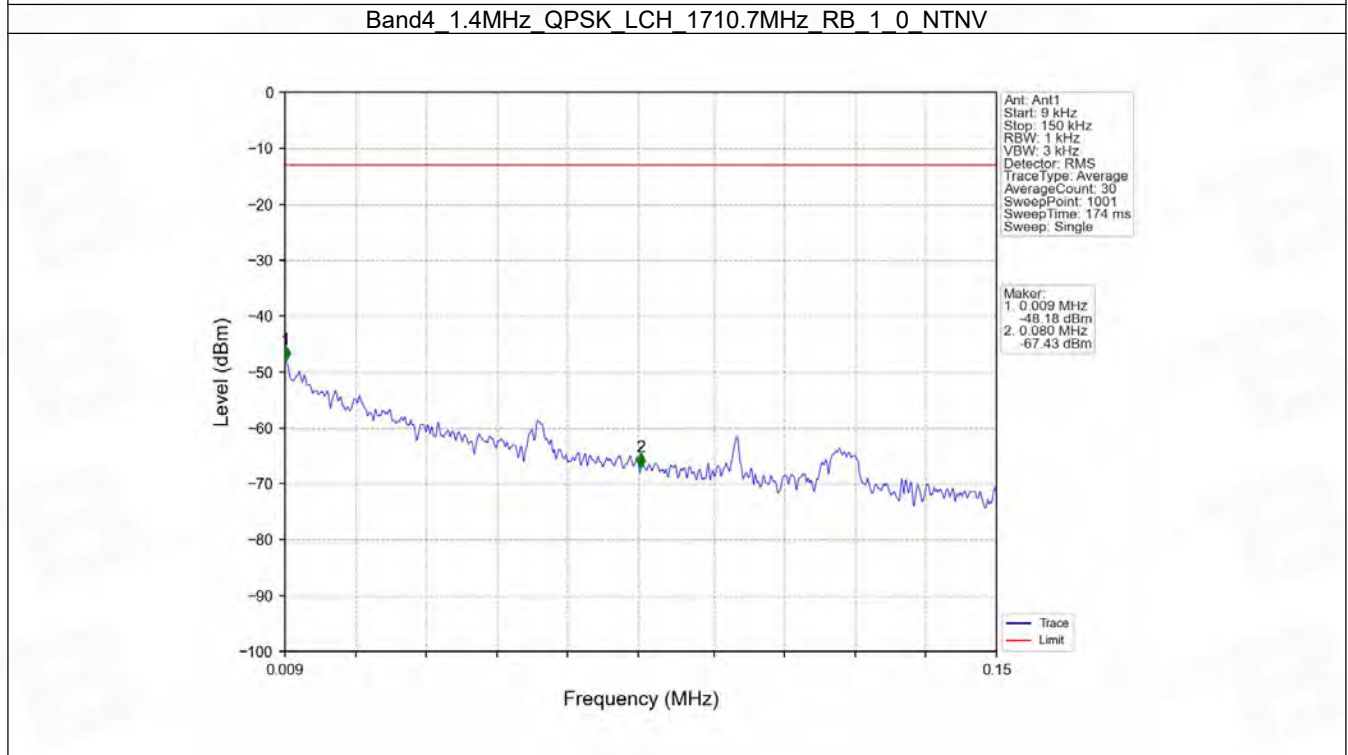
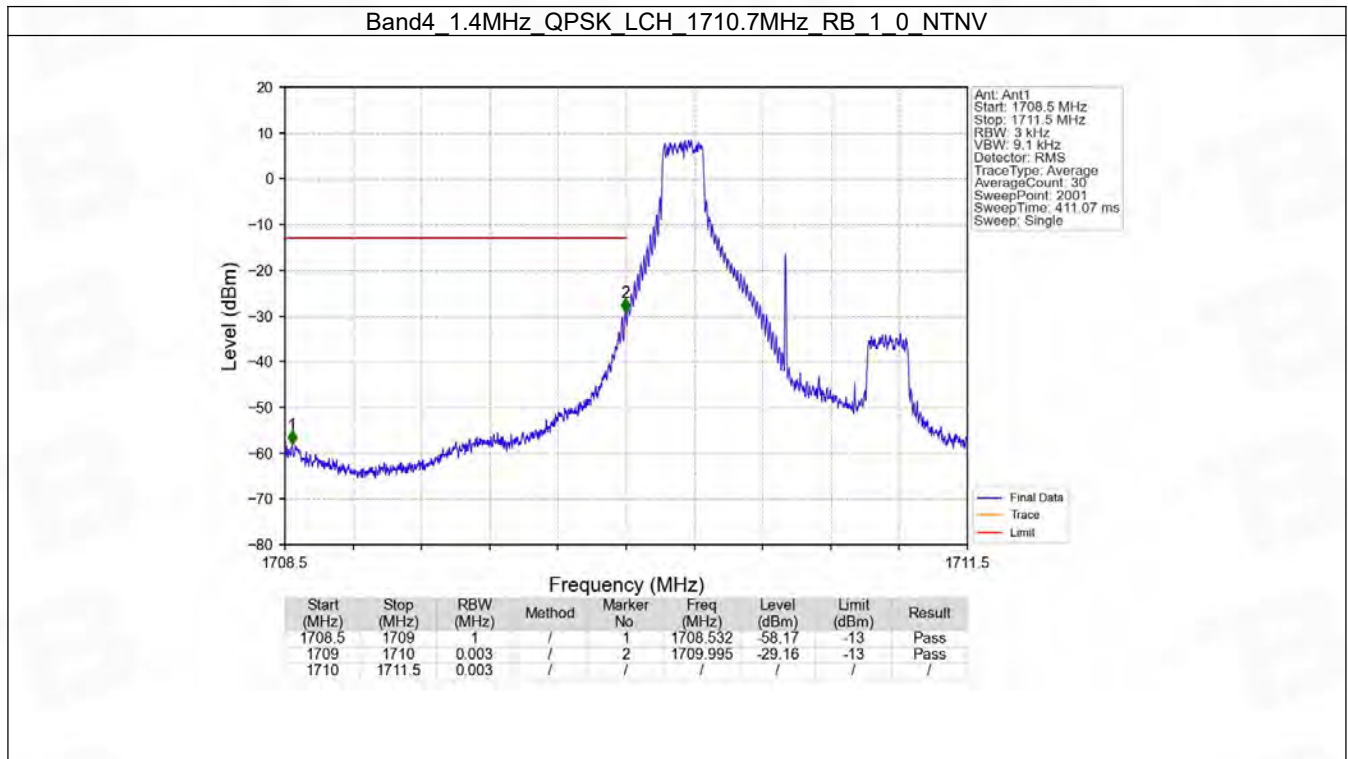
6. Spurious Emission

6.1 B4_1.4MHz

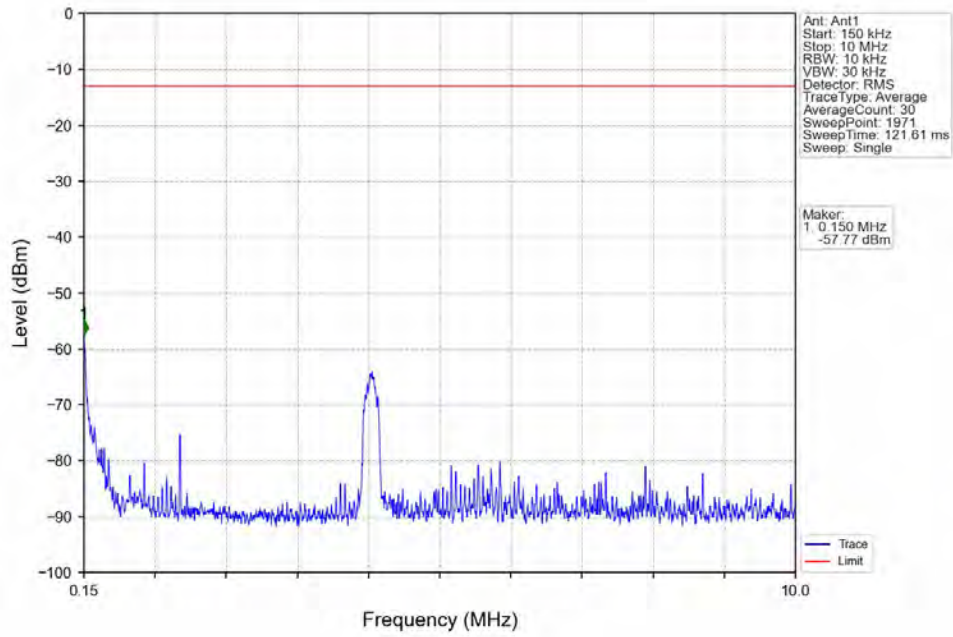
6.1.1 Test Result

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

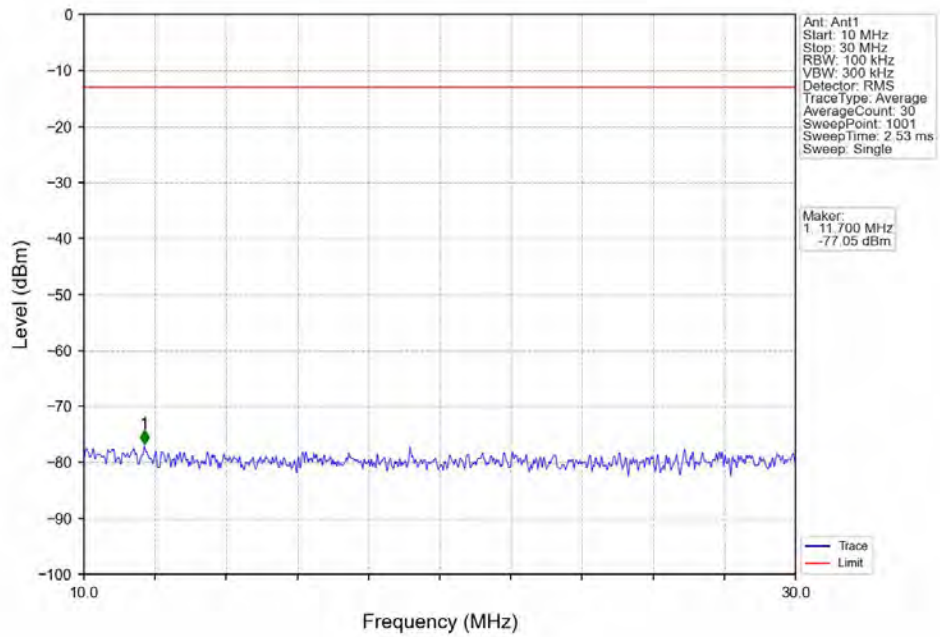
6.1.2 Test Graph



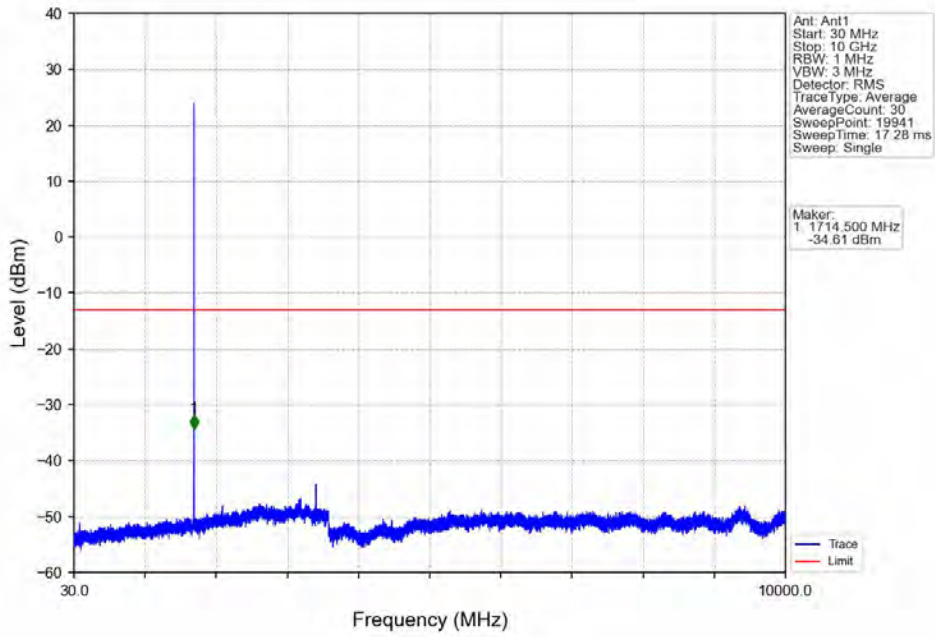
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



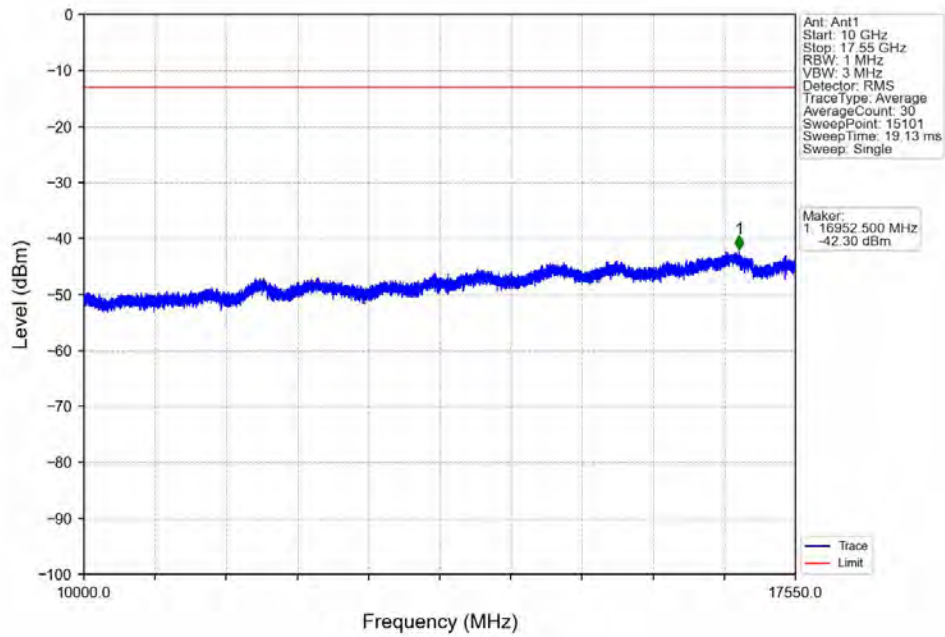
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



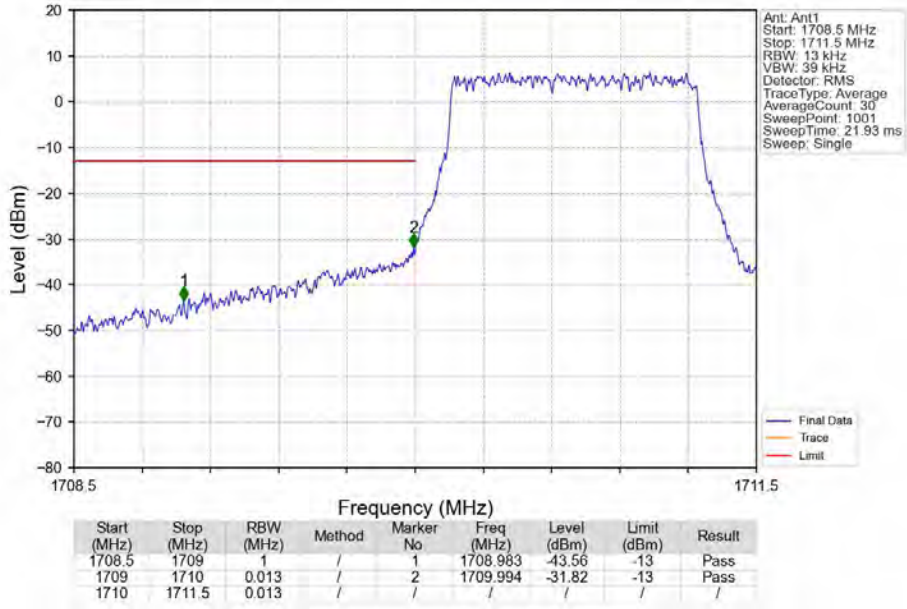
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



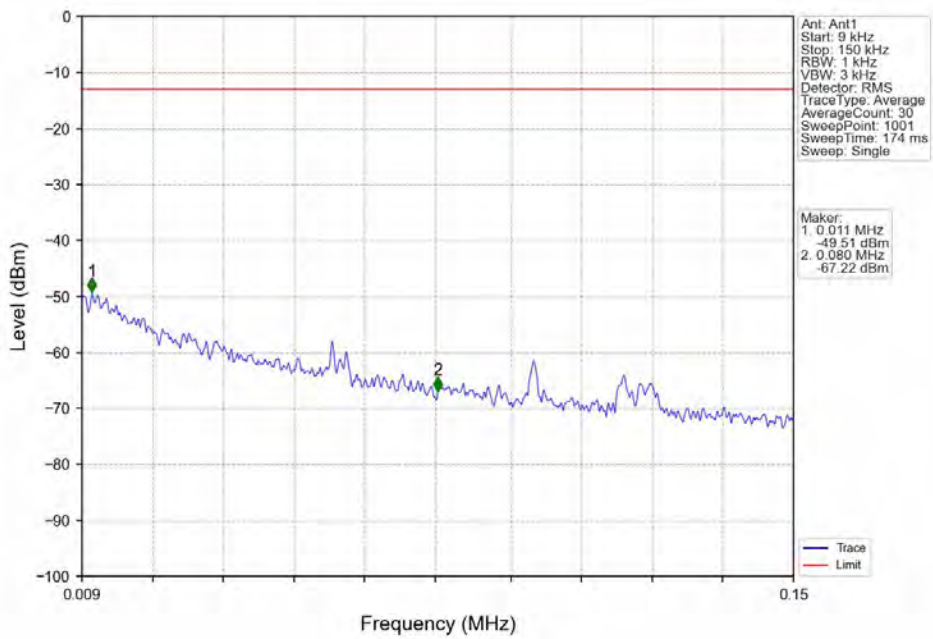
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



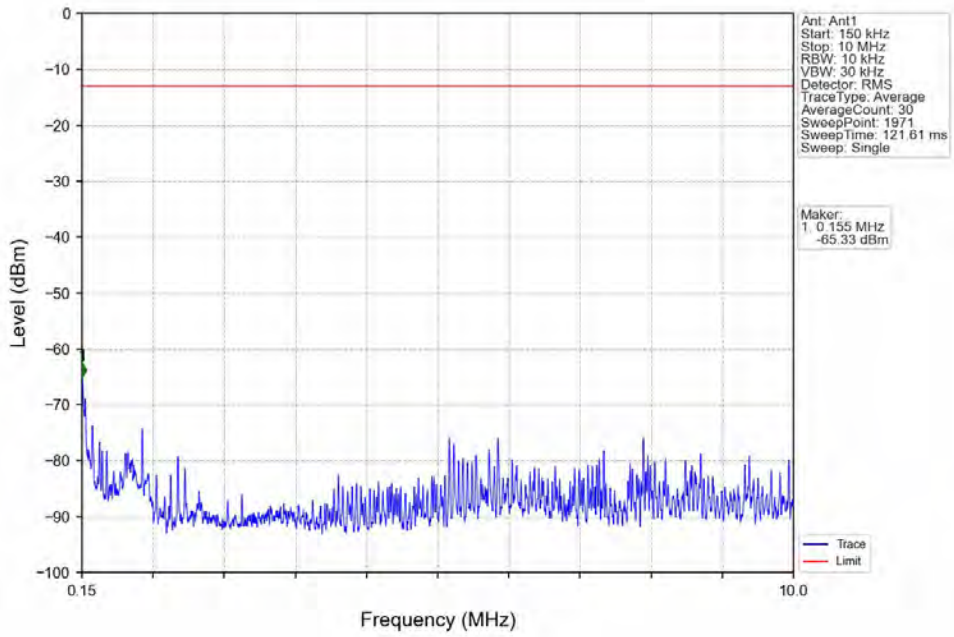
Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV



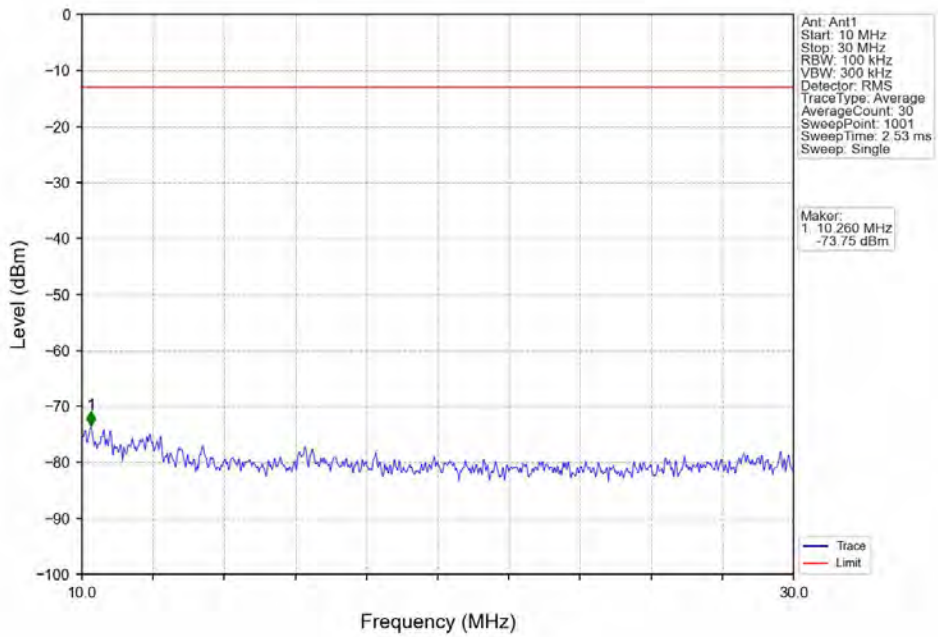
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTV



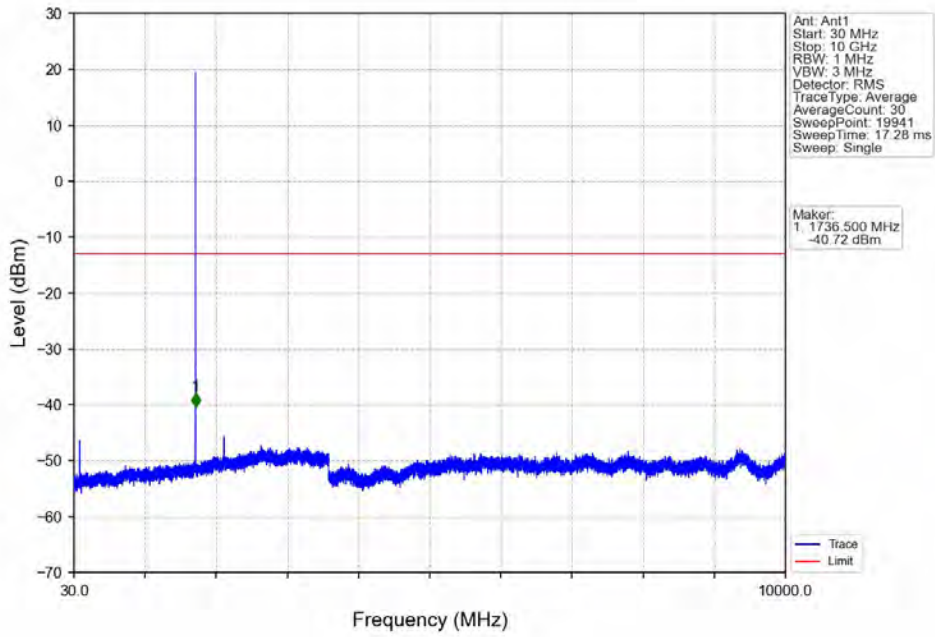
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTV



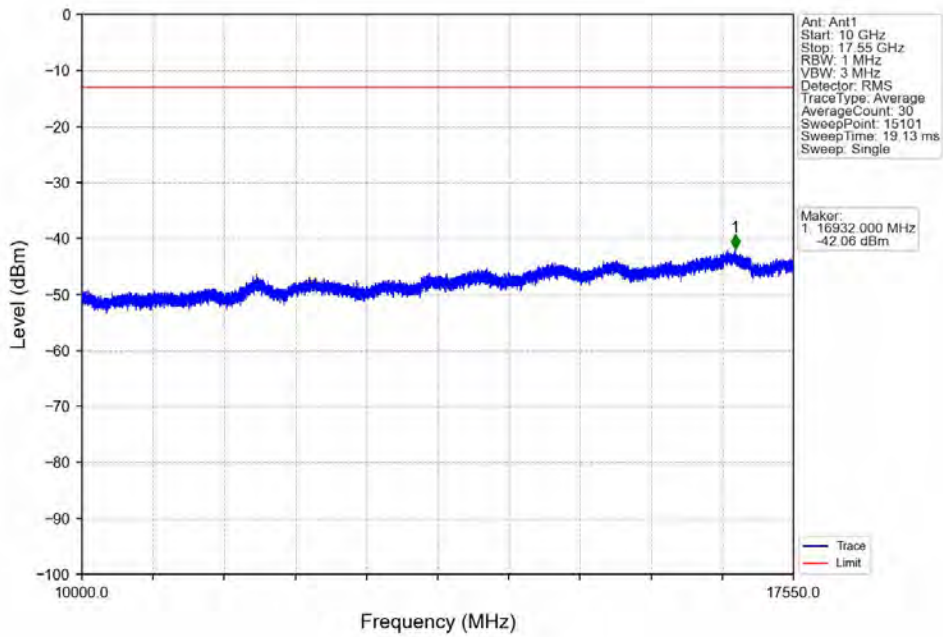
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTV



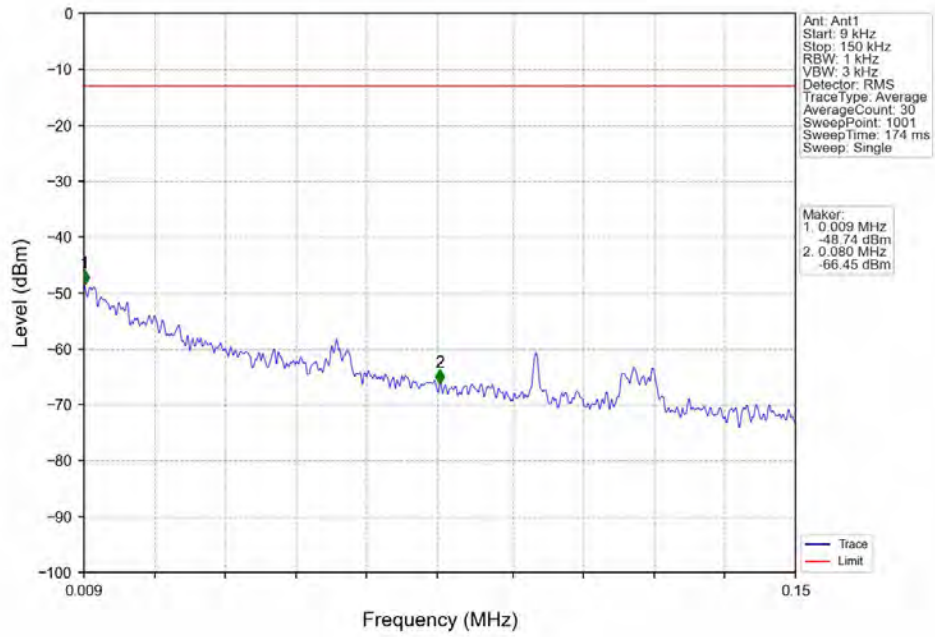
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



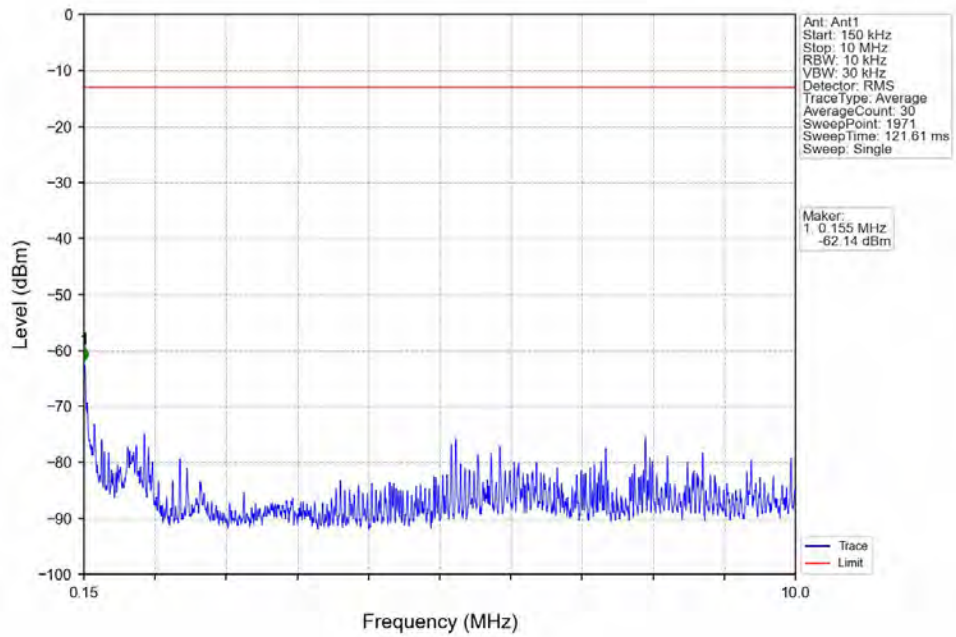
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



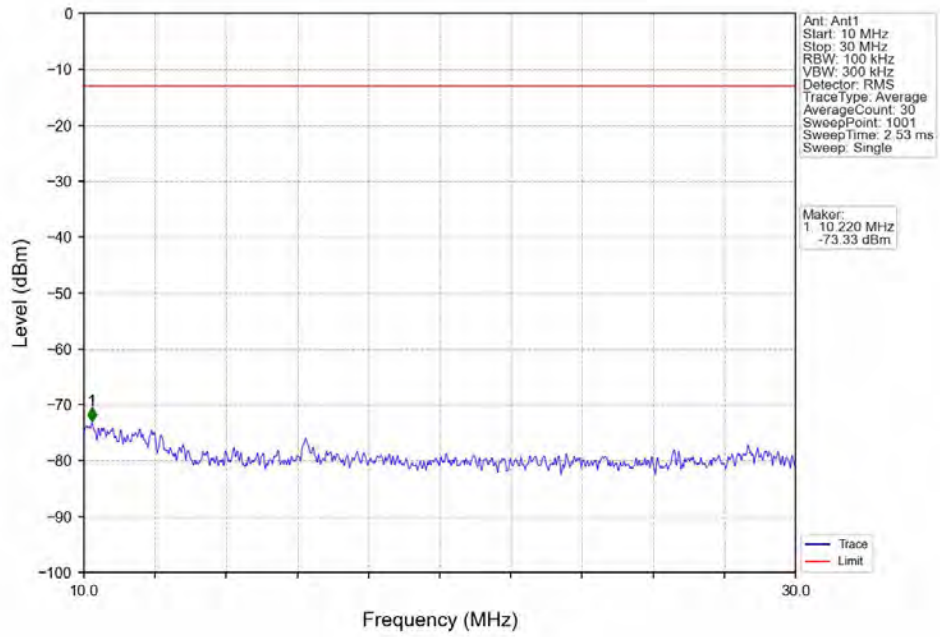
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTV



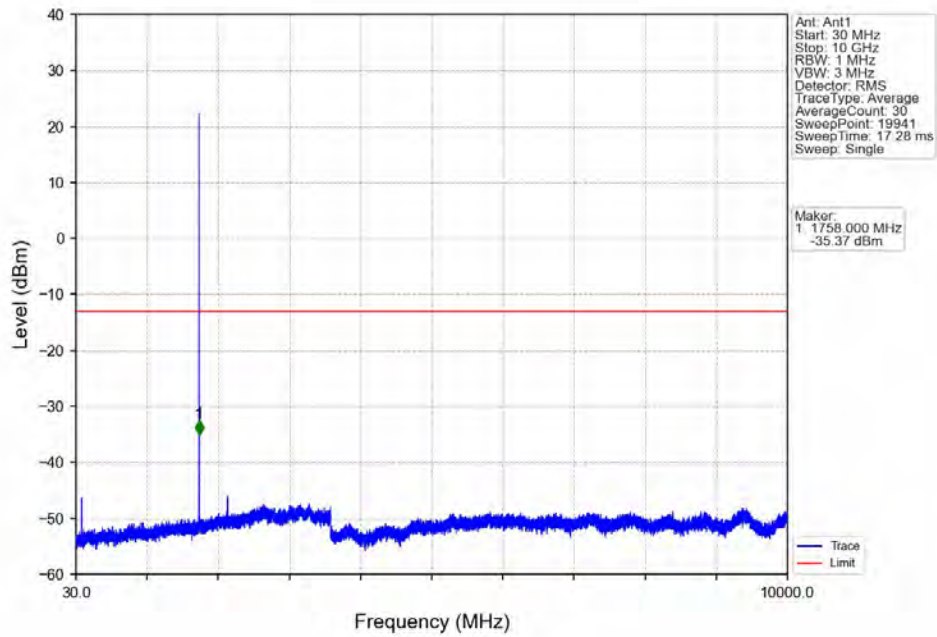
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTV



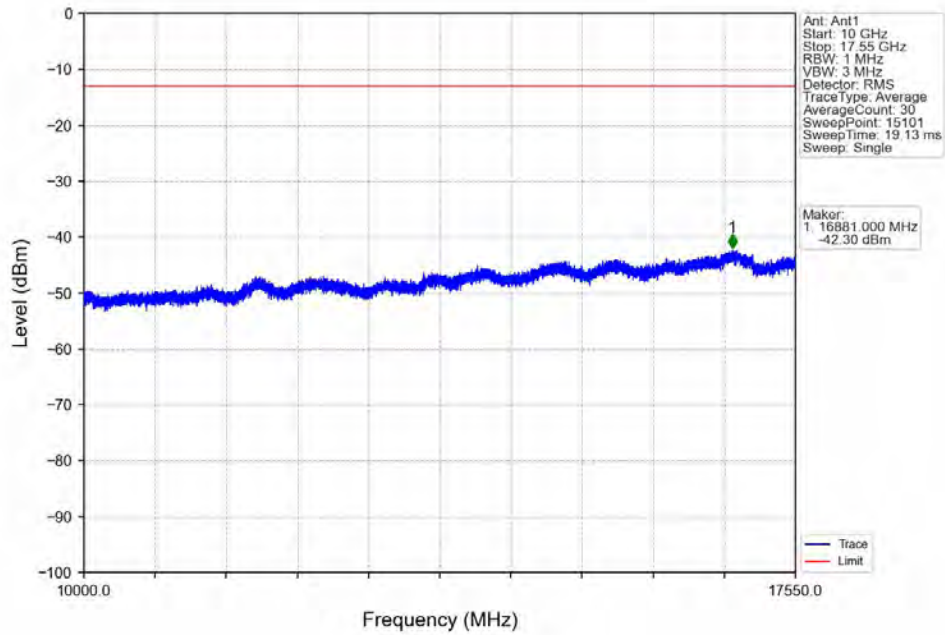
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTV



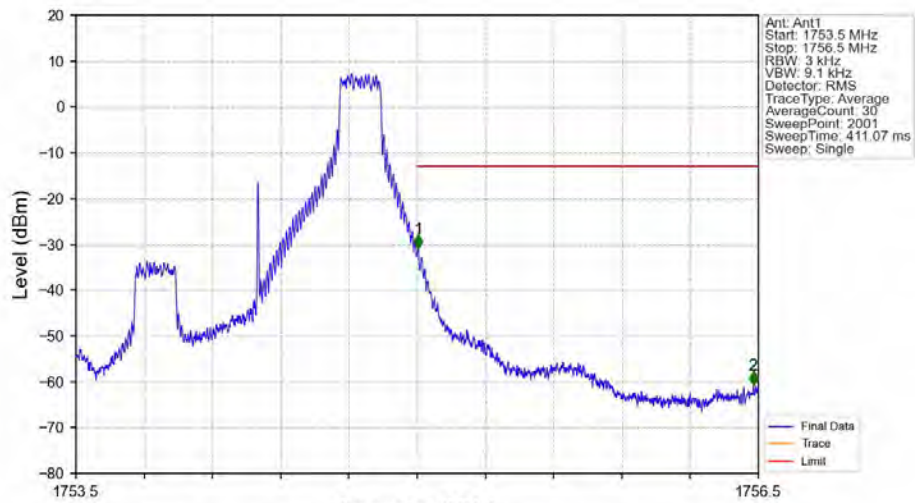
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTV

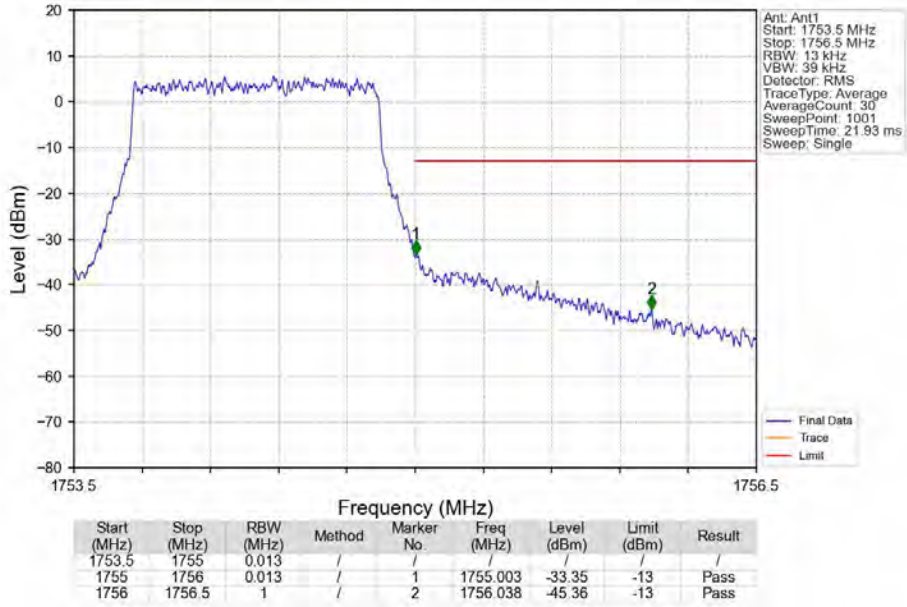


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTV

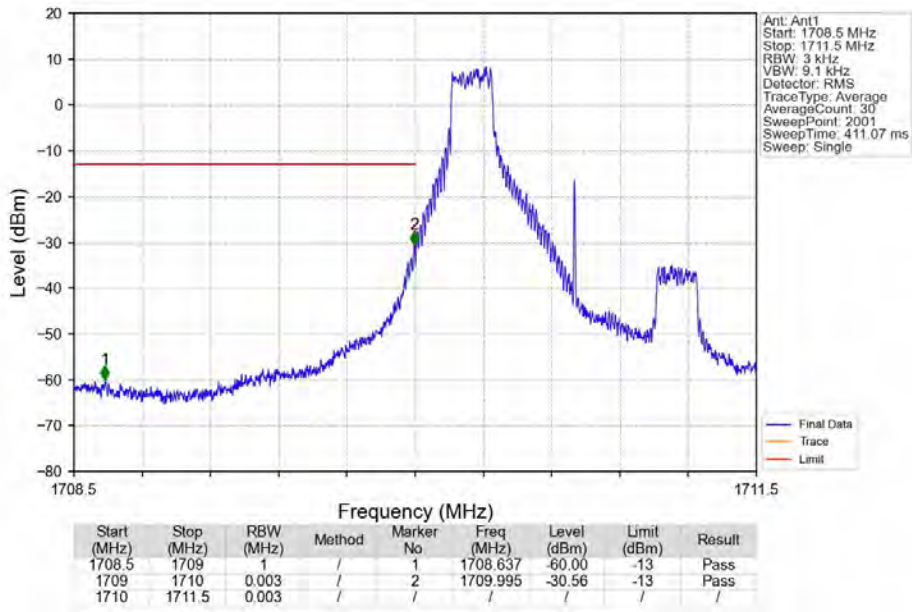


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	1	1755.005	-30.99	-13	Pass
1755	1756.5	1	/	2	1756.477	-60.80	-13	Pass

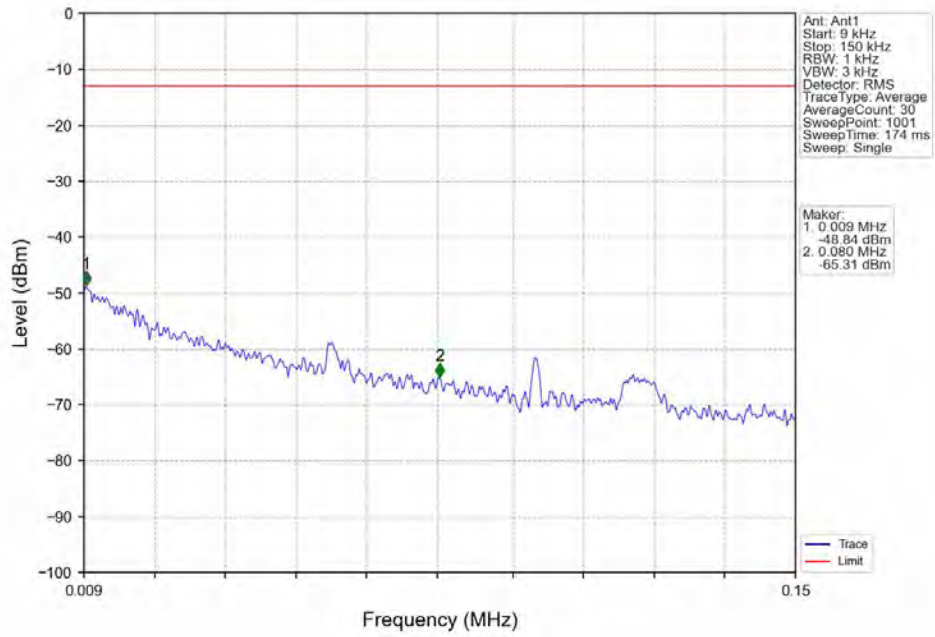
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



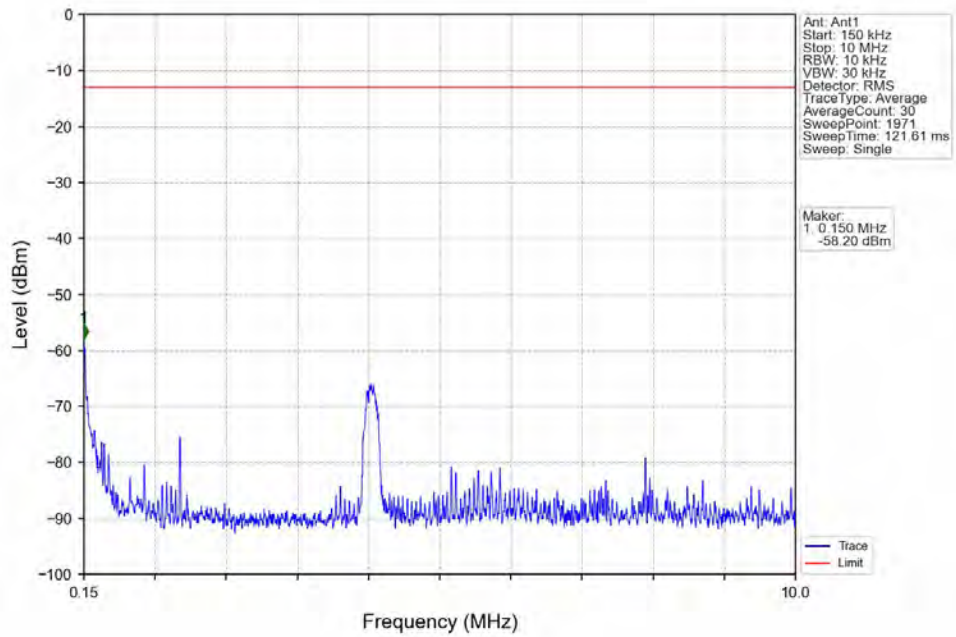
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTV



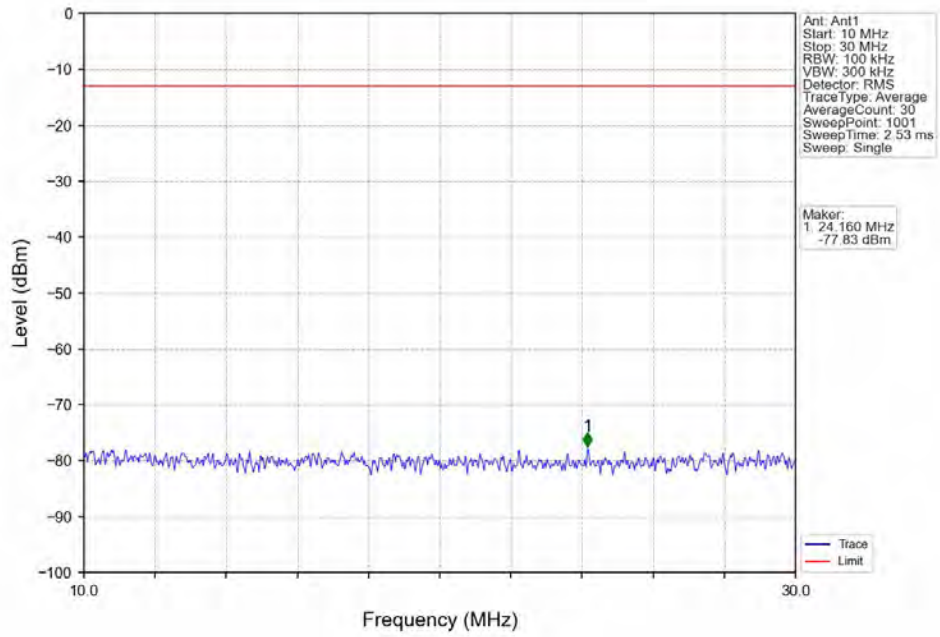
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



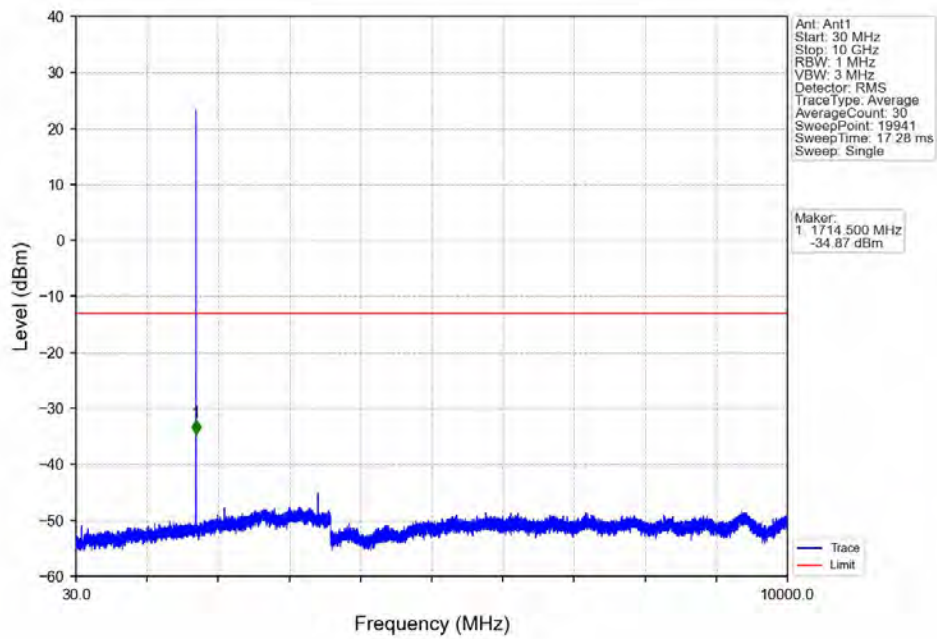
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



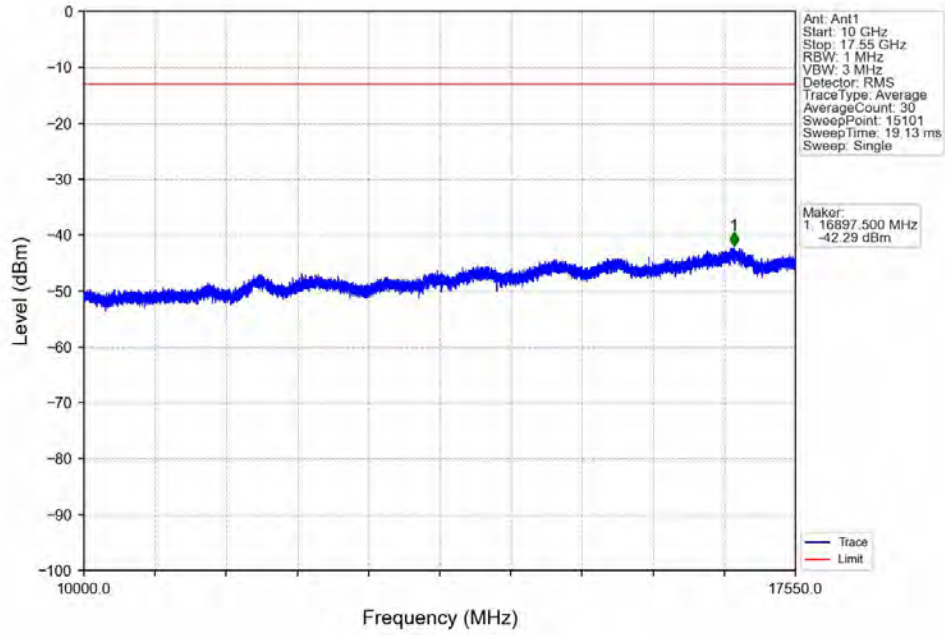
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



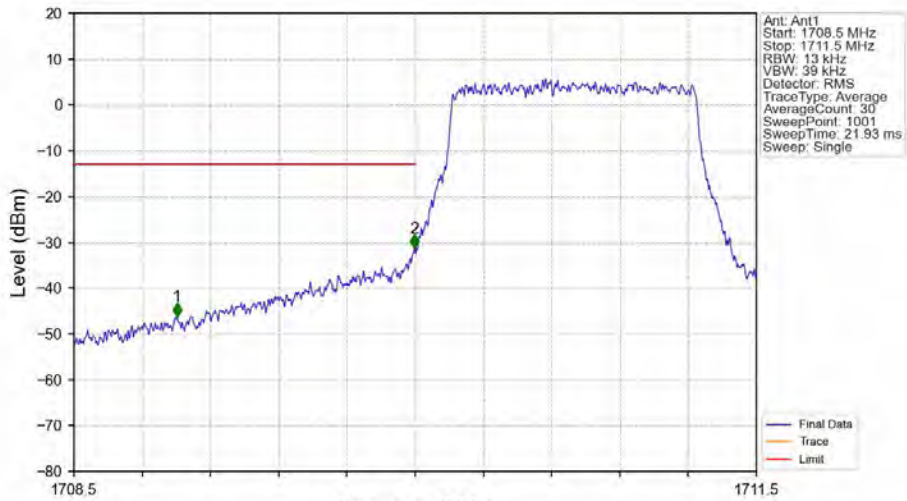
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV

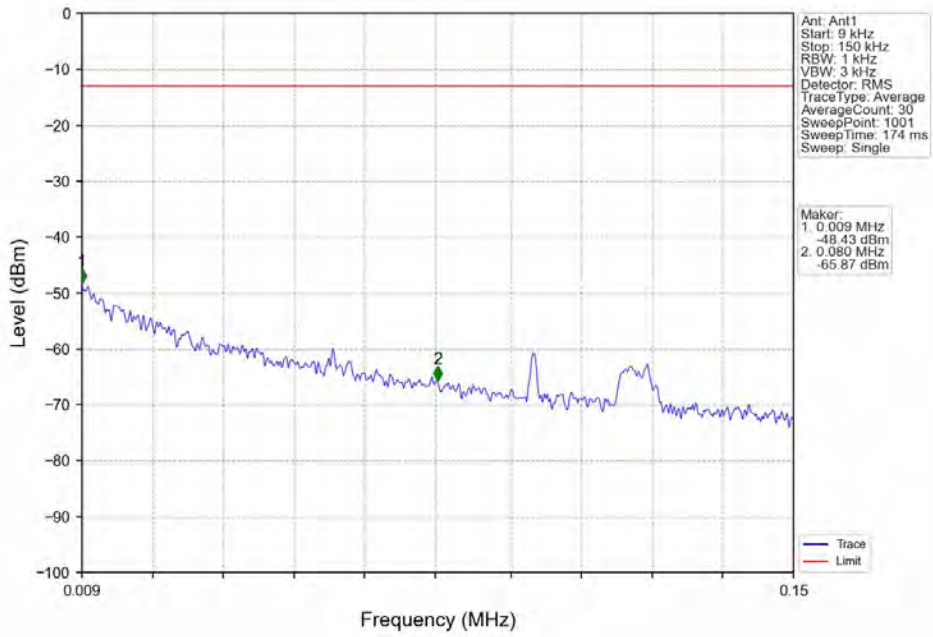


Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV

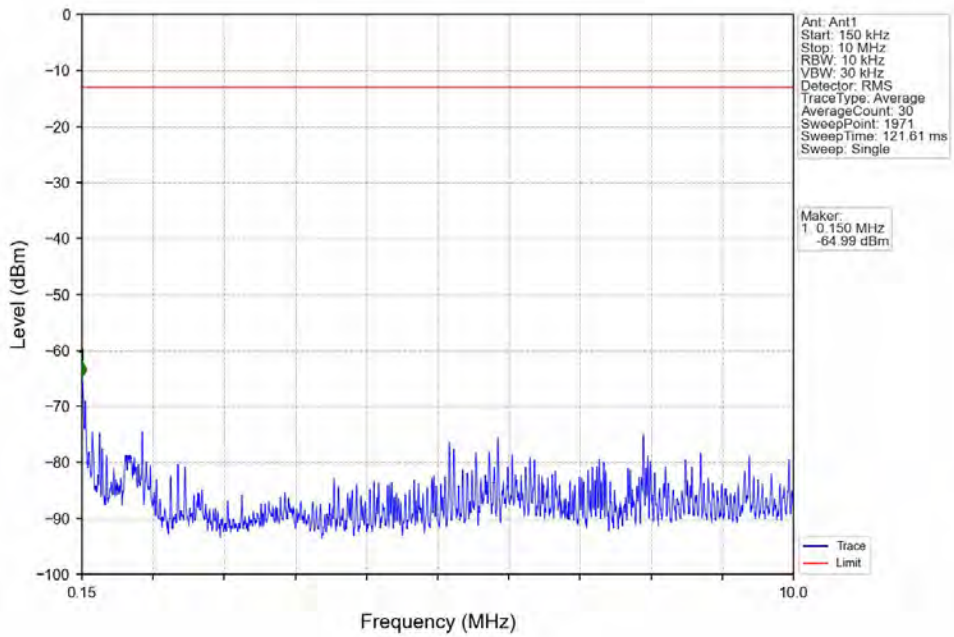


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.953	-46.23	-13	Pass
1709	1710	0.013	/	2	1709.997	-31.27	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

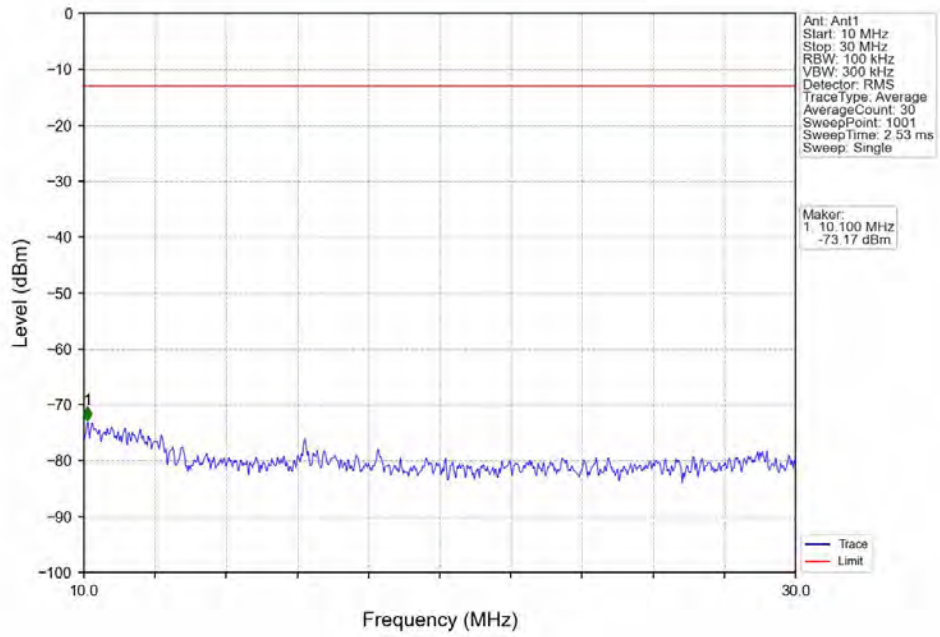
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



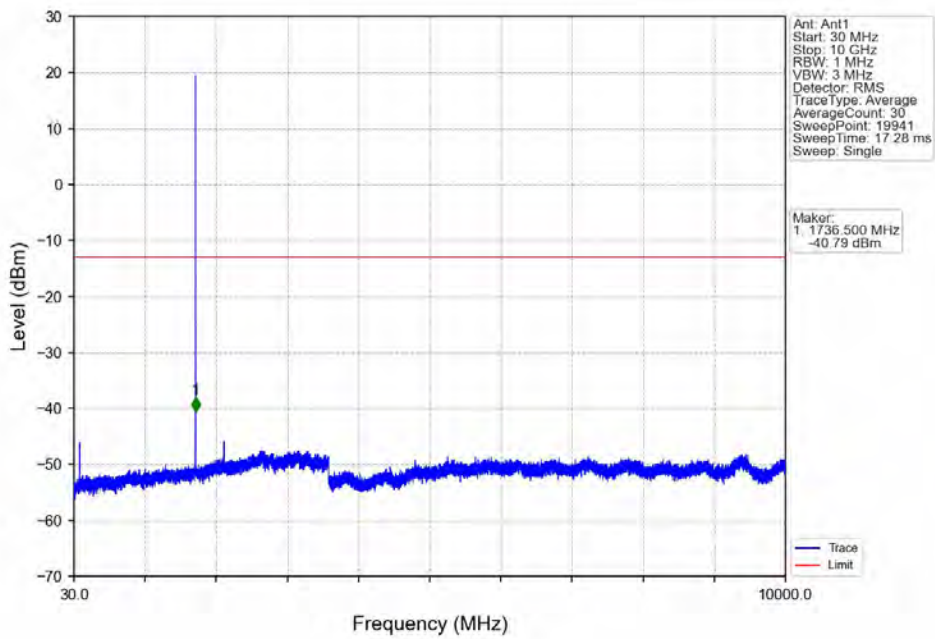
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



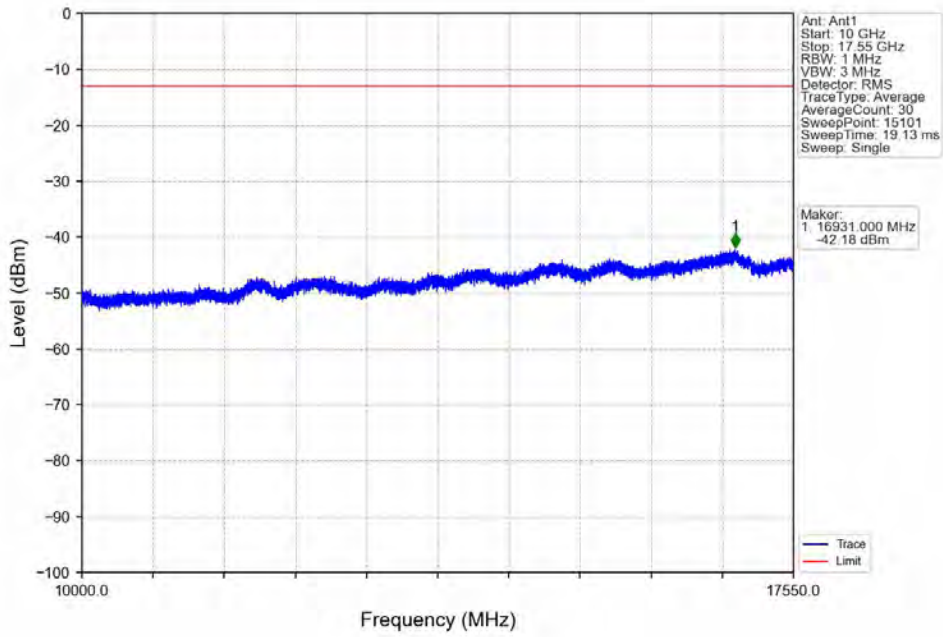
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



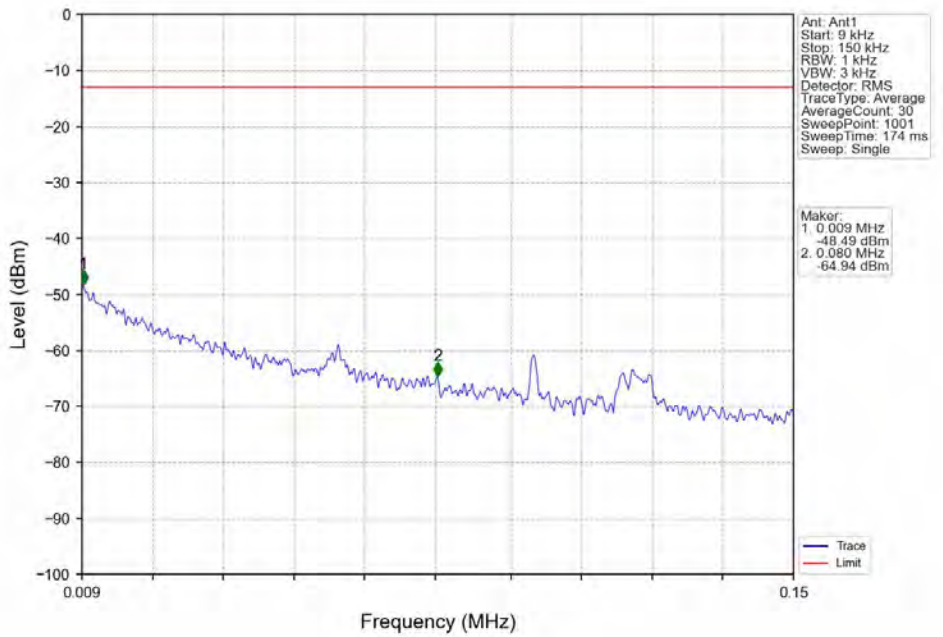
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



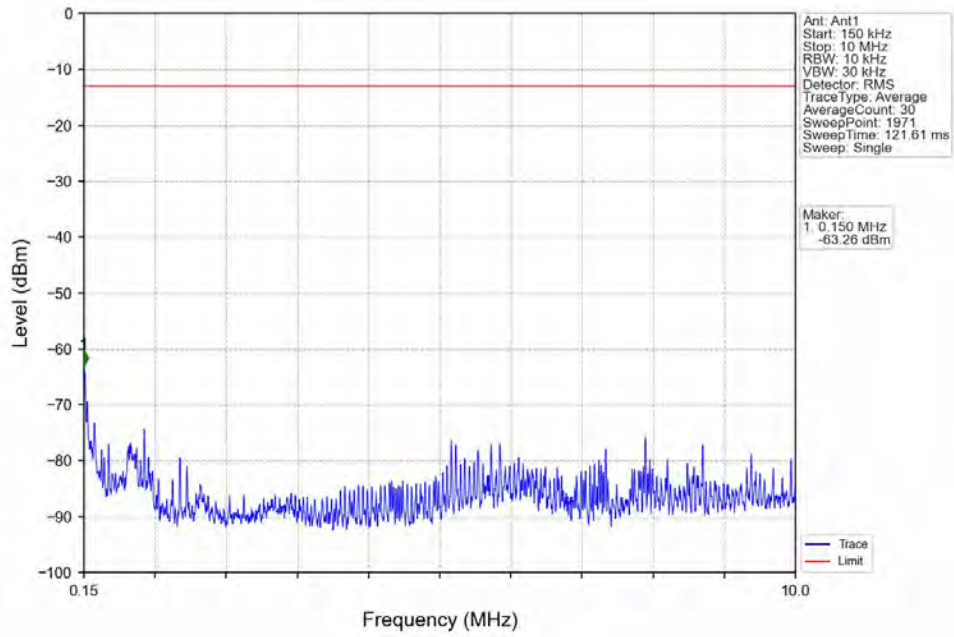
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTN



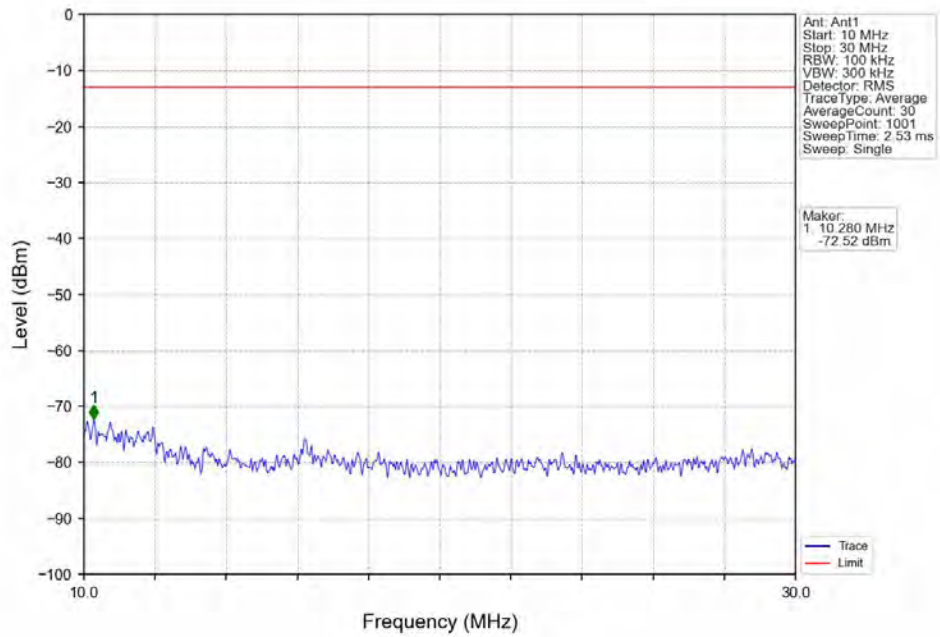
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTN



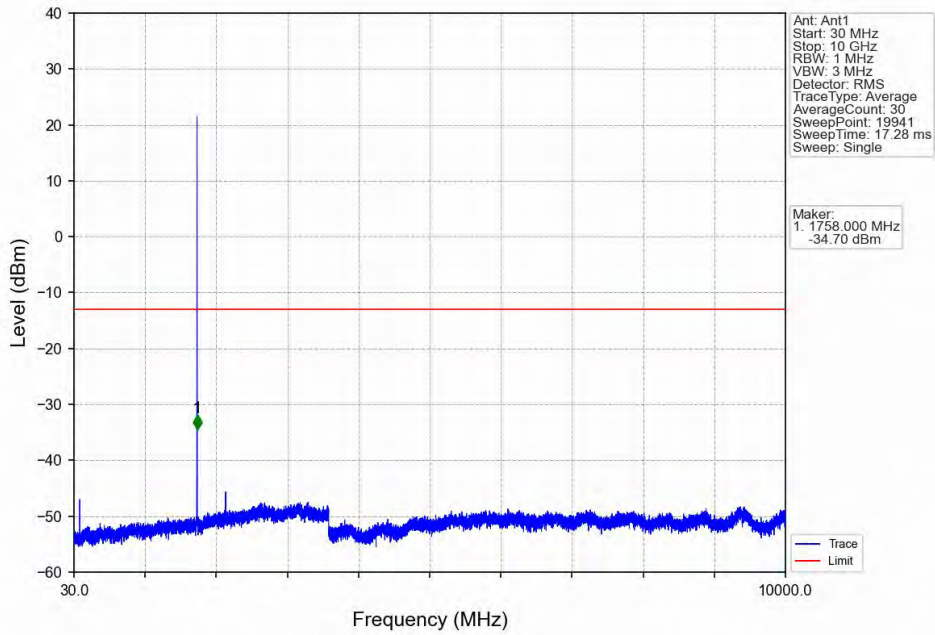
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



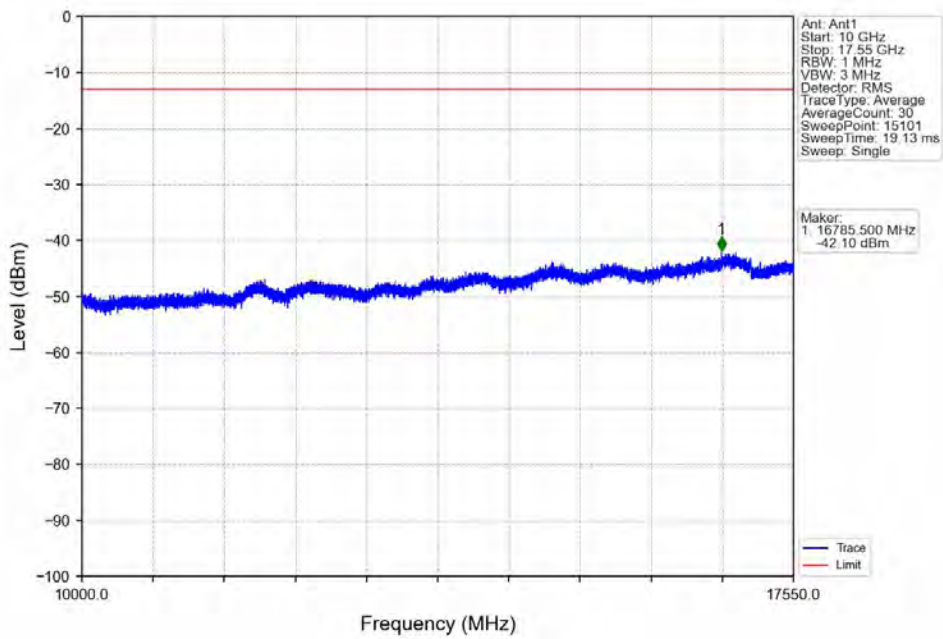
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



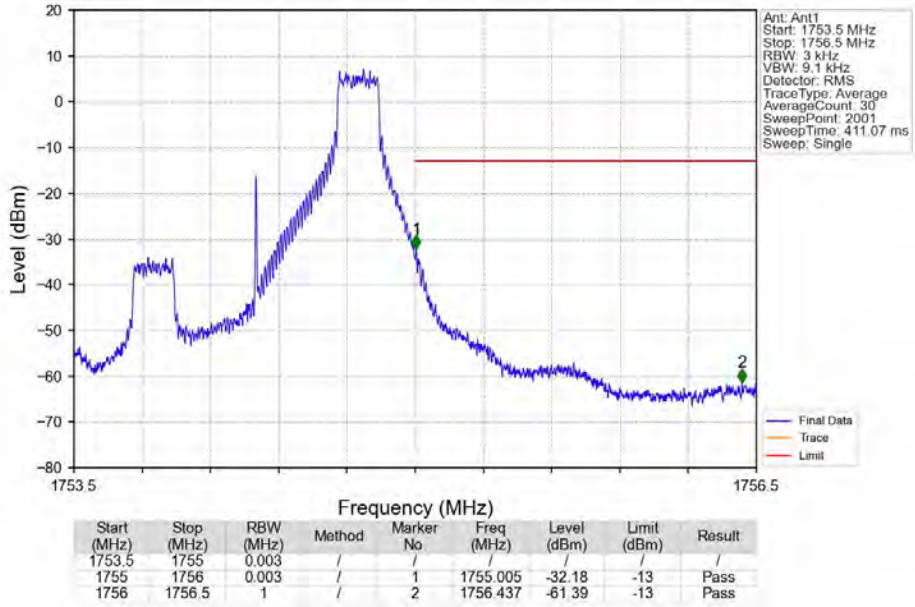
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



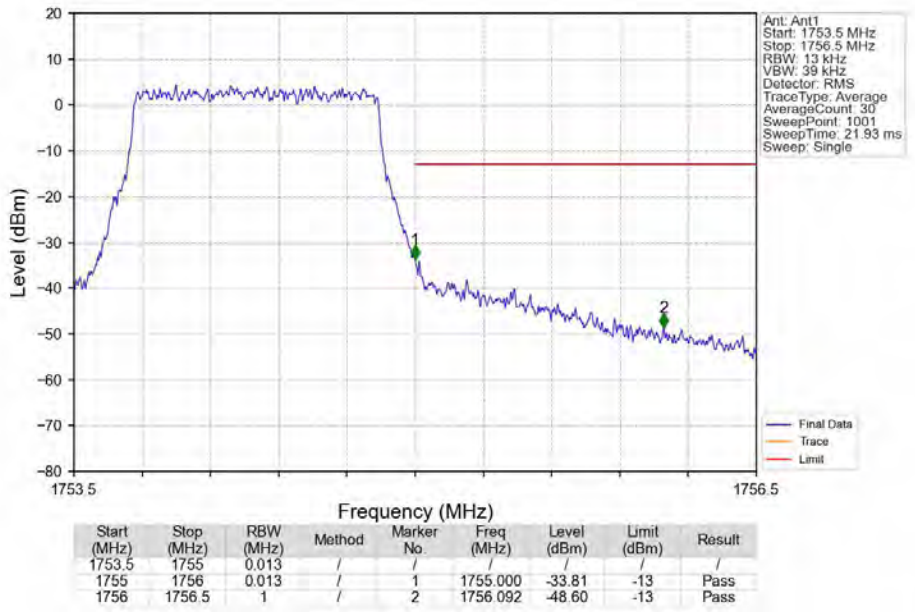
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 5 NTNV



Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

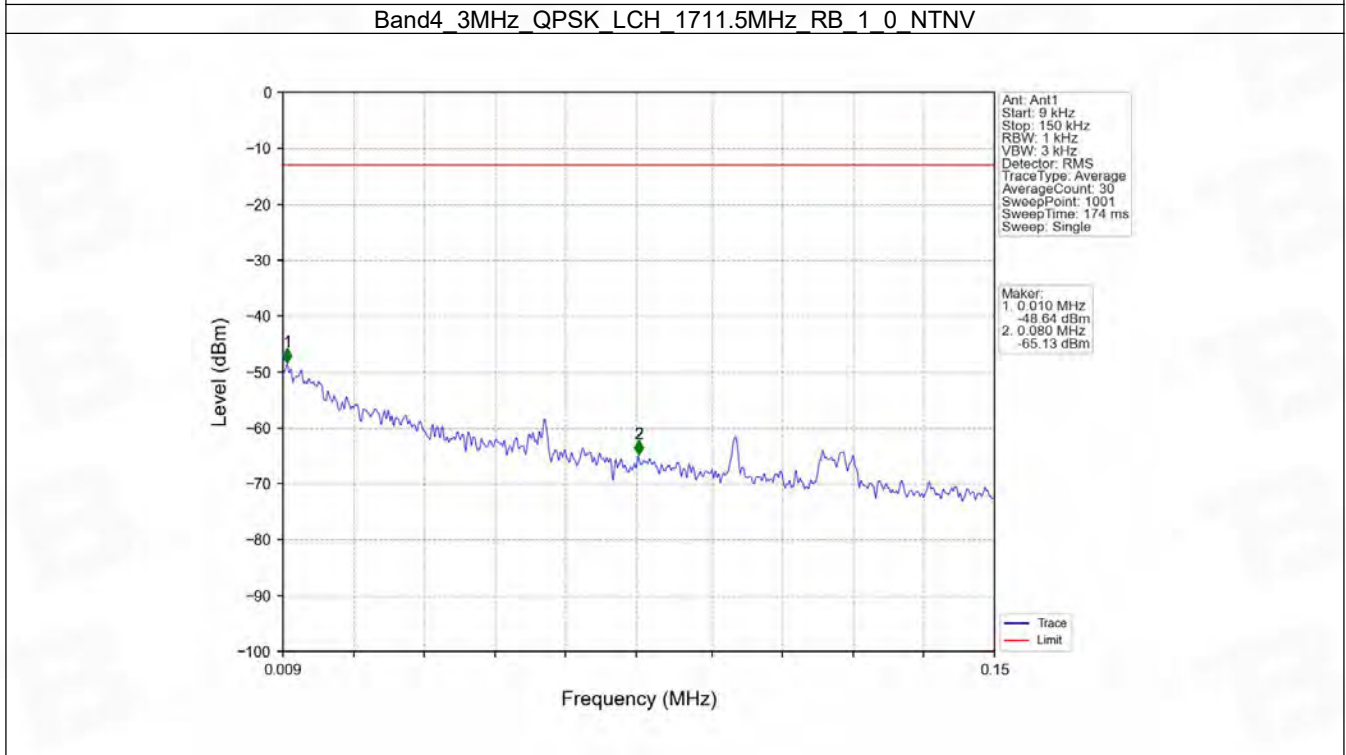
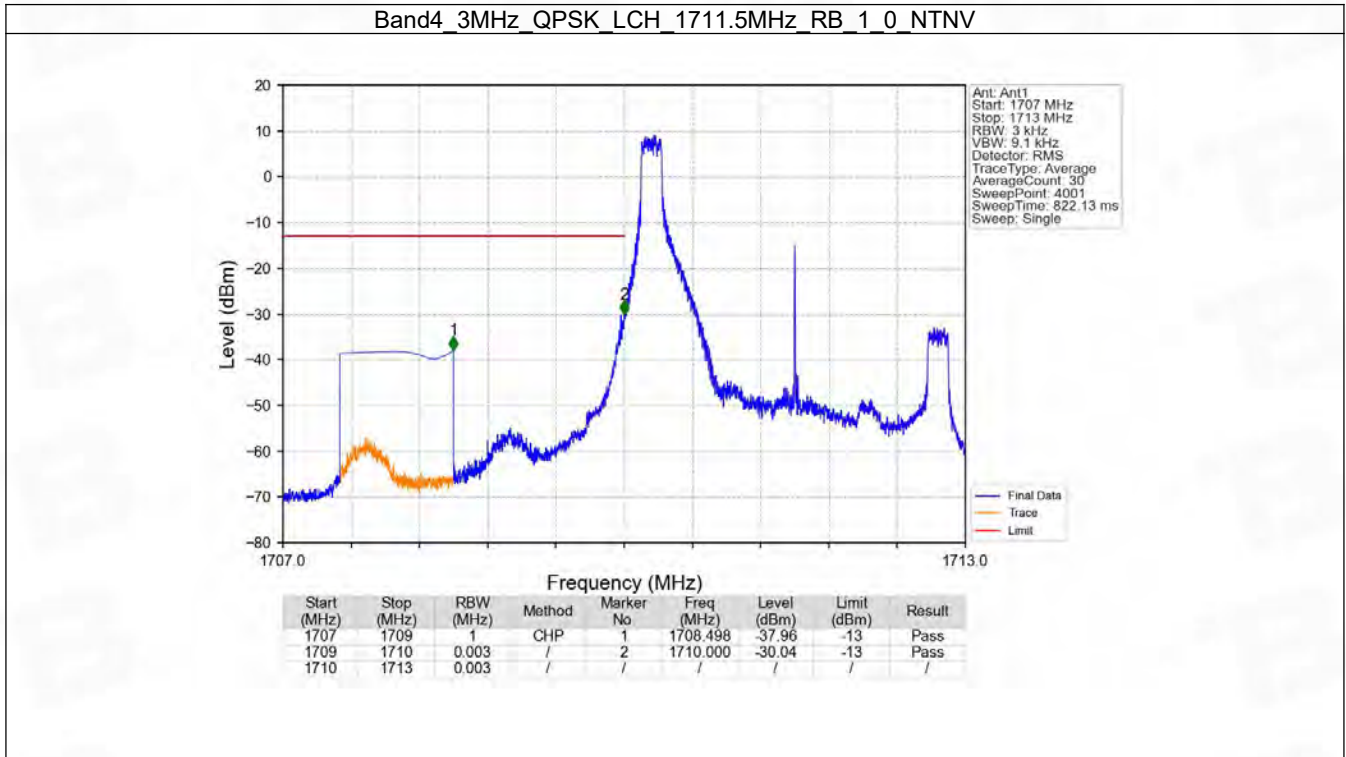


6.2 B4_3MHz

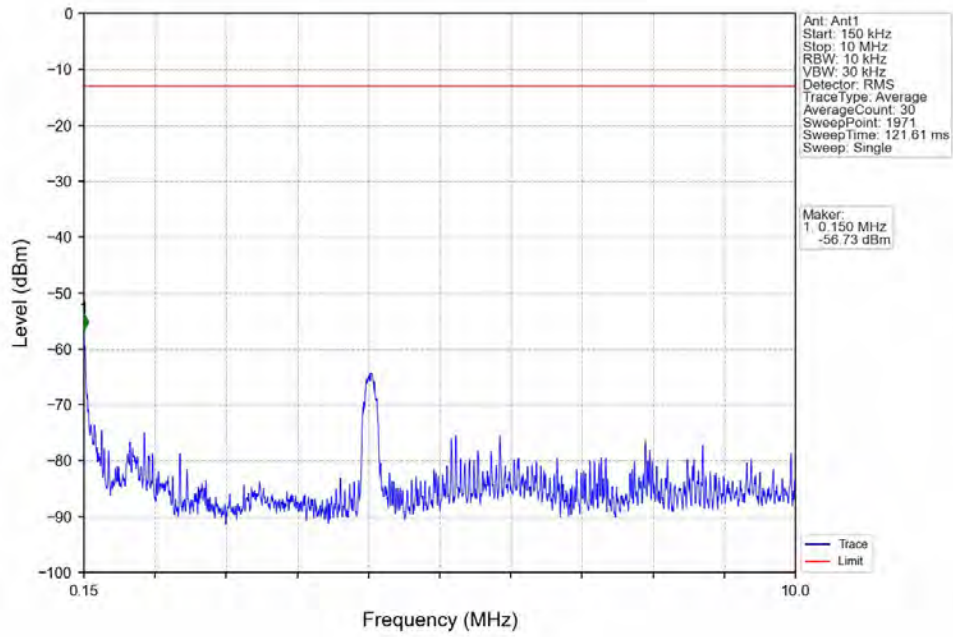
6.2.1 Test Result

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

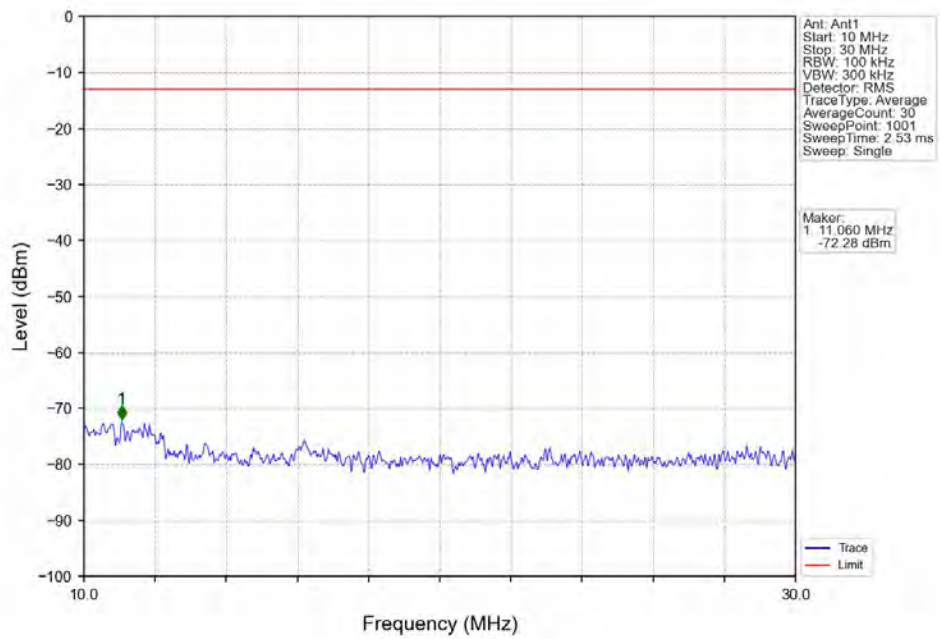
6.2.2 Test Graph



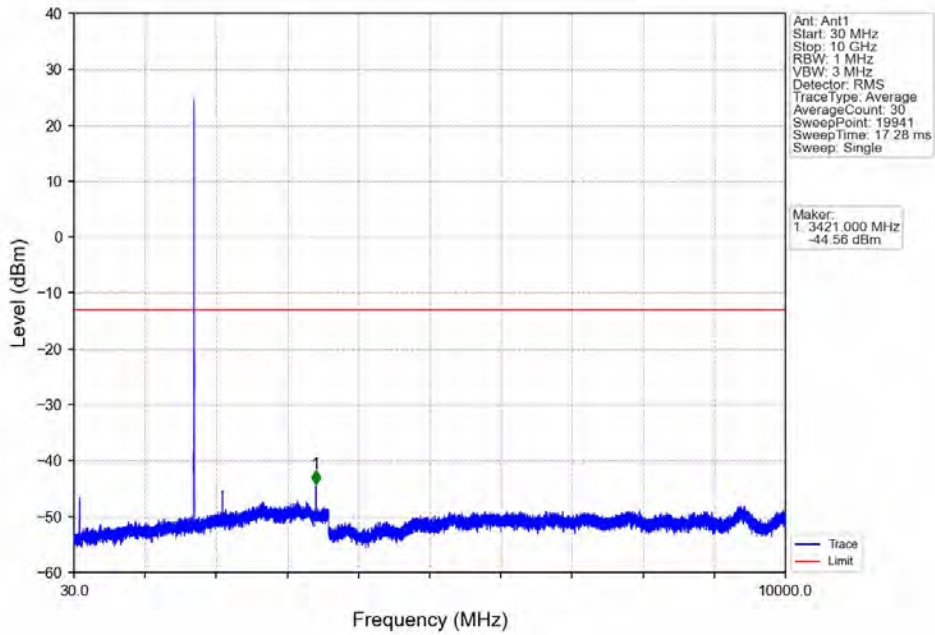
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



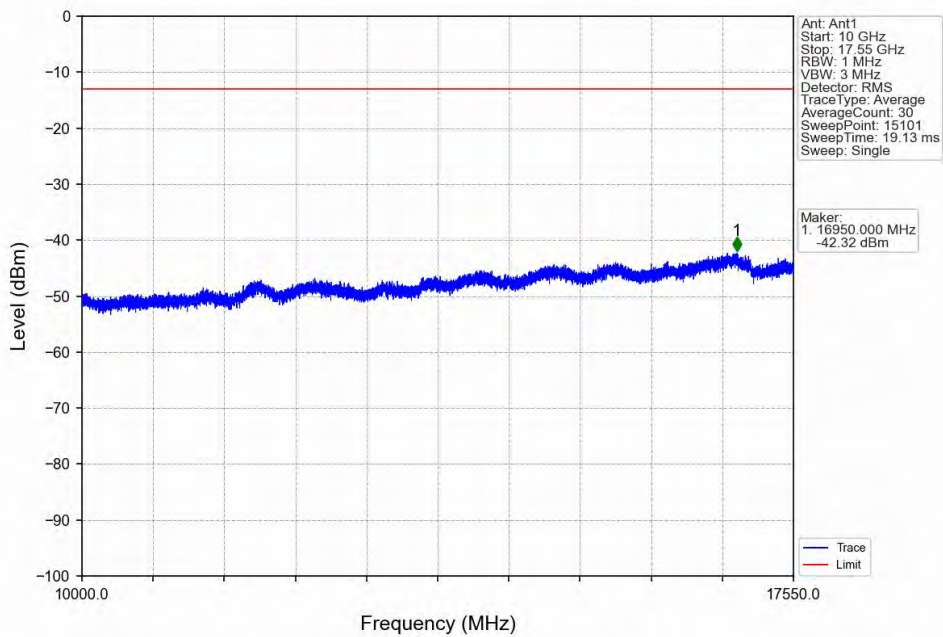
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



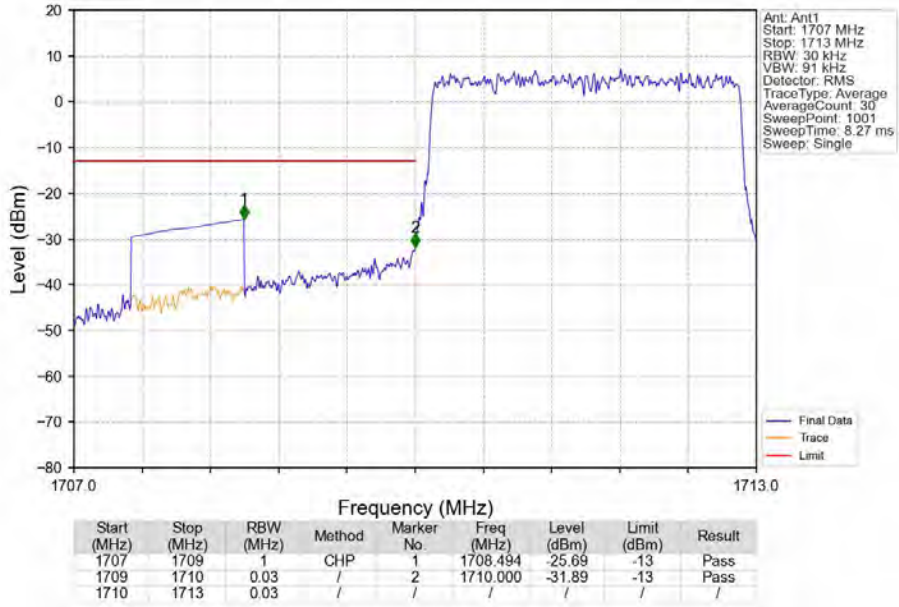
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



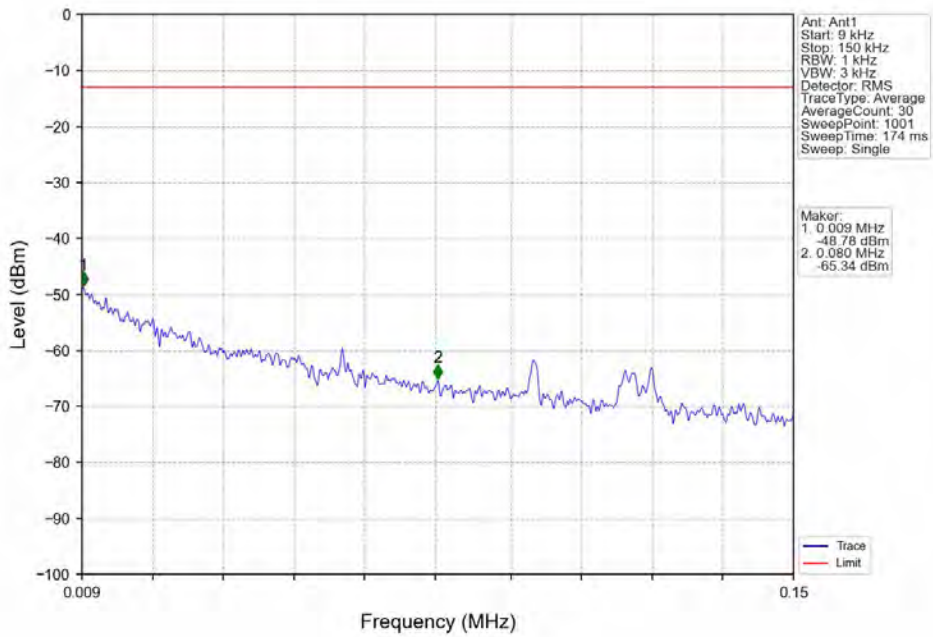
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



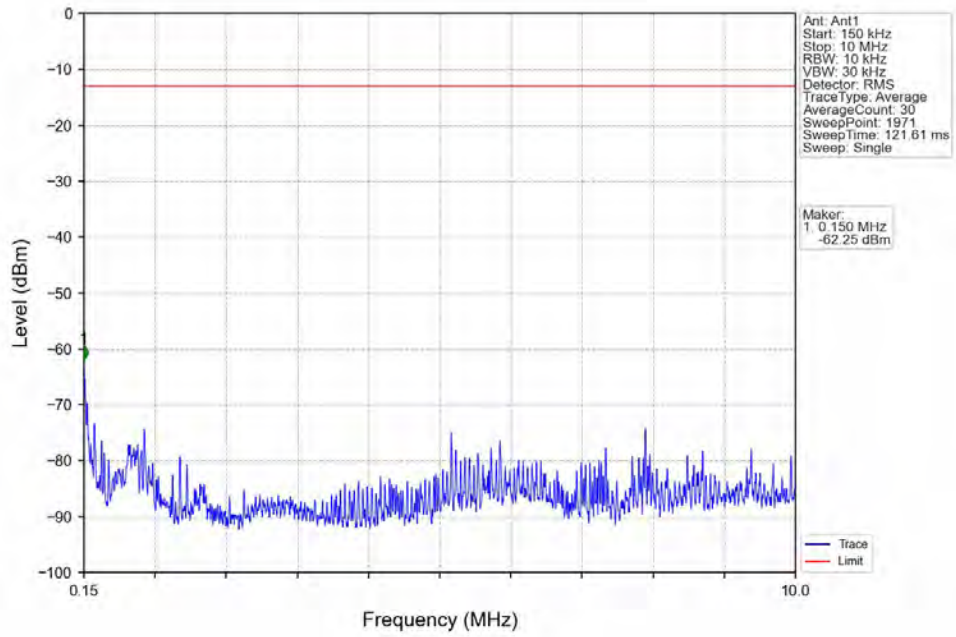
Band4 3MHz QPSK LCH 1711.5MHz RB 15_0 NTV



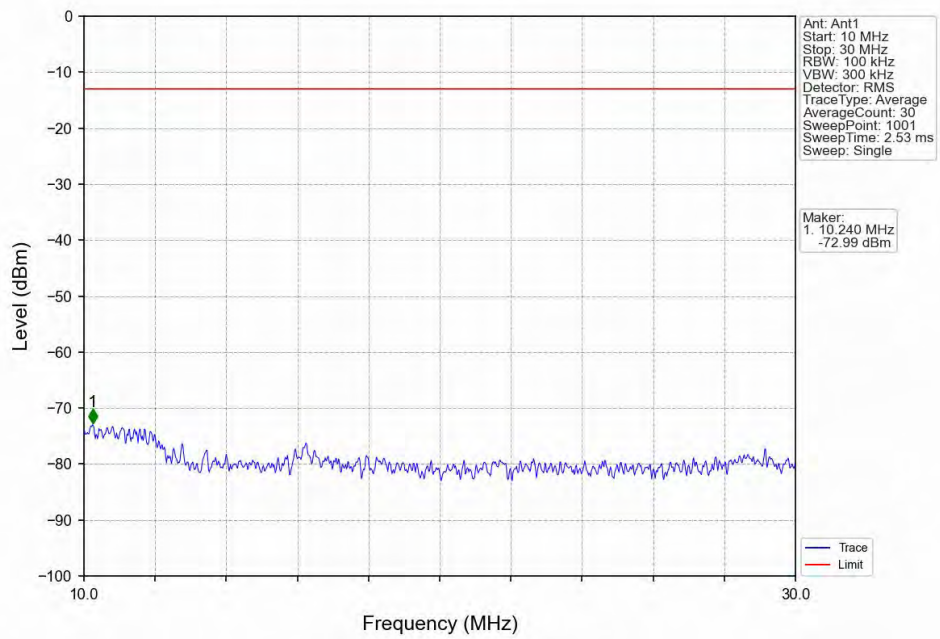
Band4 3MHz QPSK MCH 1732.5MHz RB 1_0 NTV



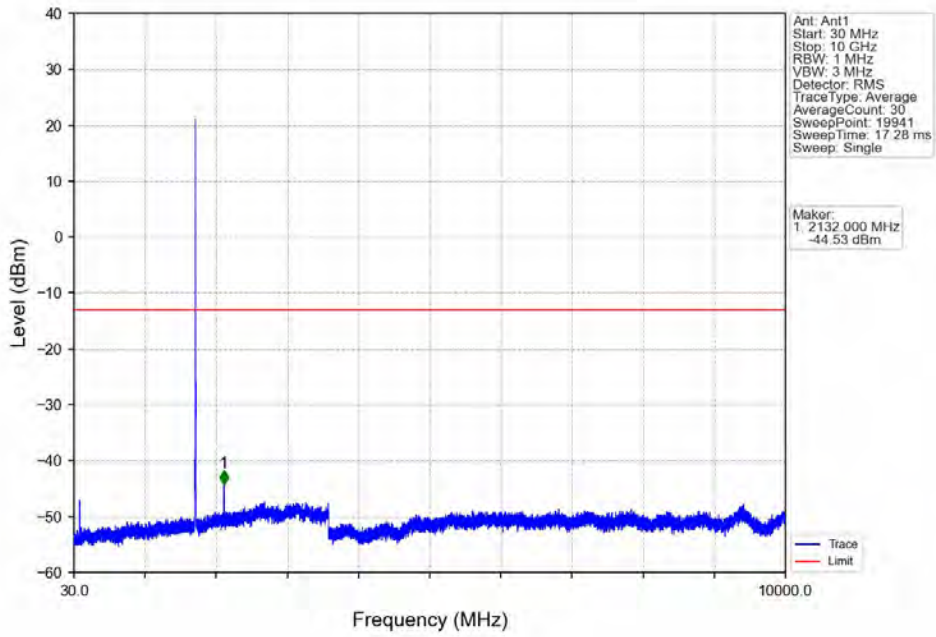
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



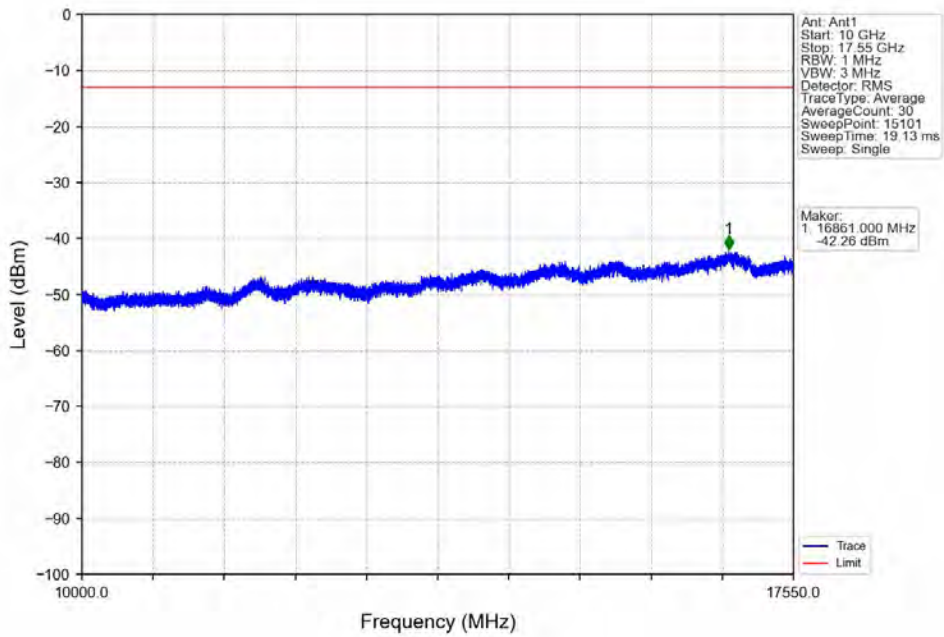
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



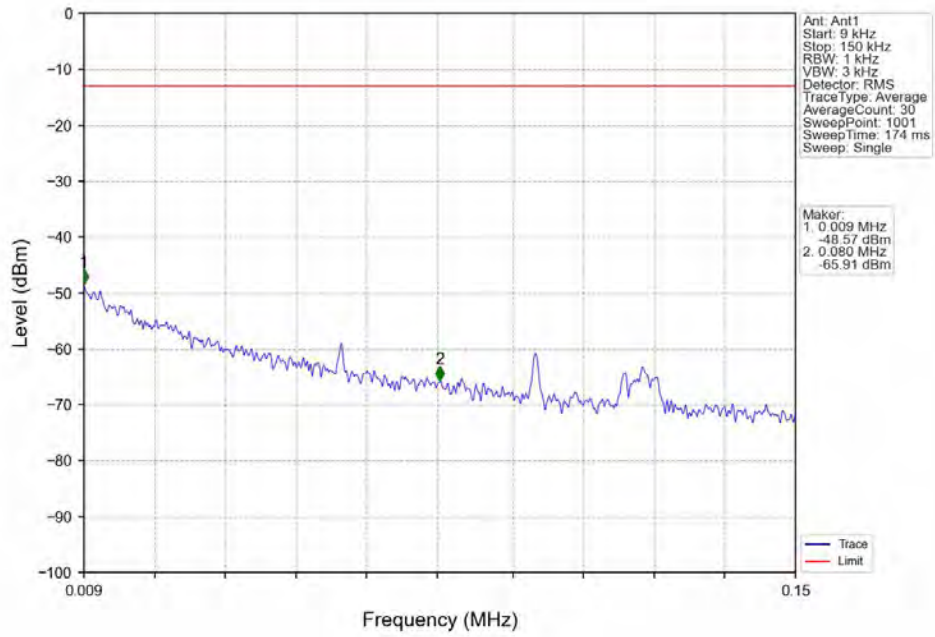
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



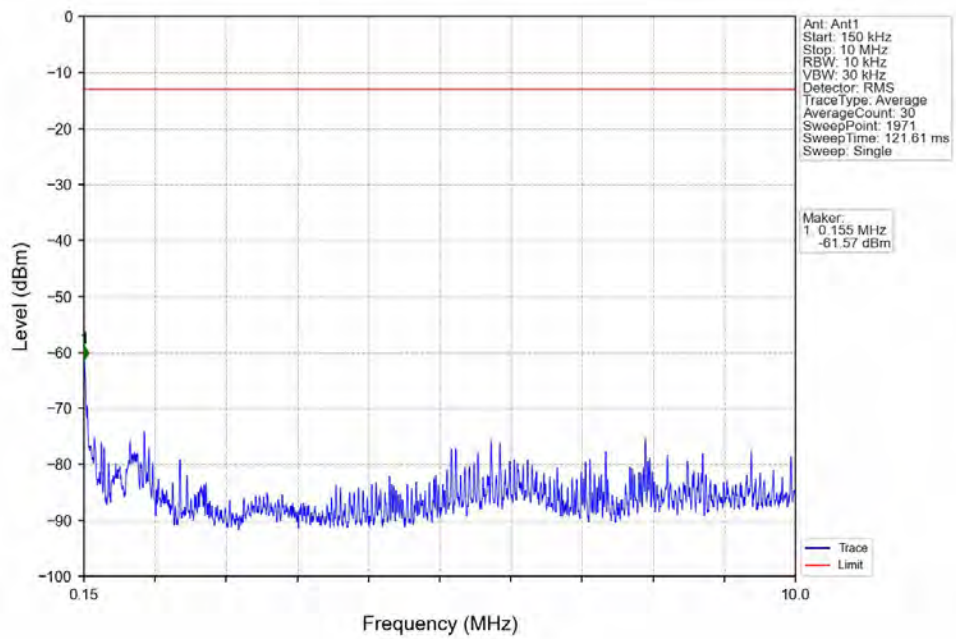
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



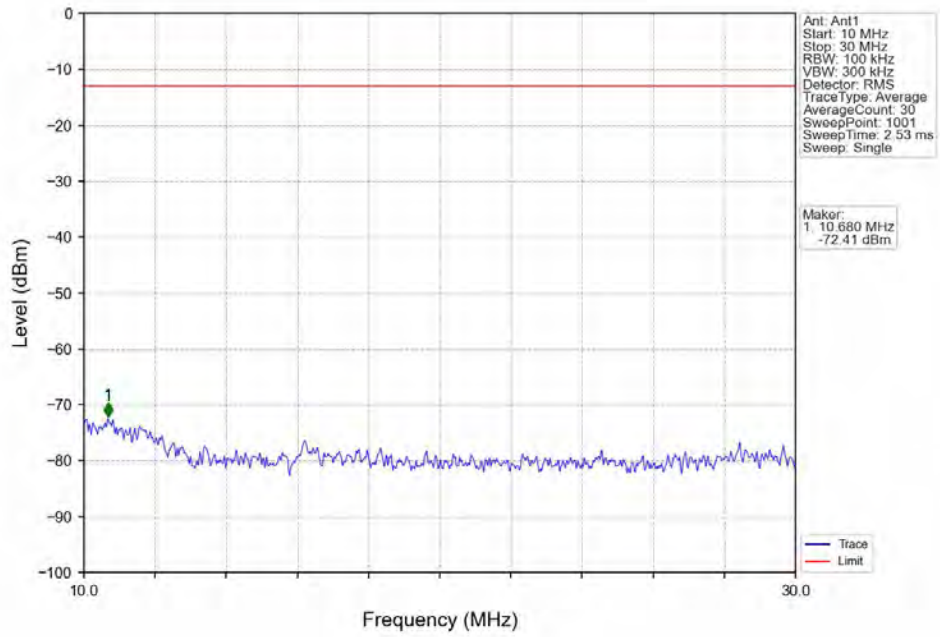
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



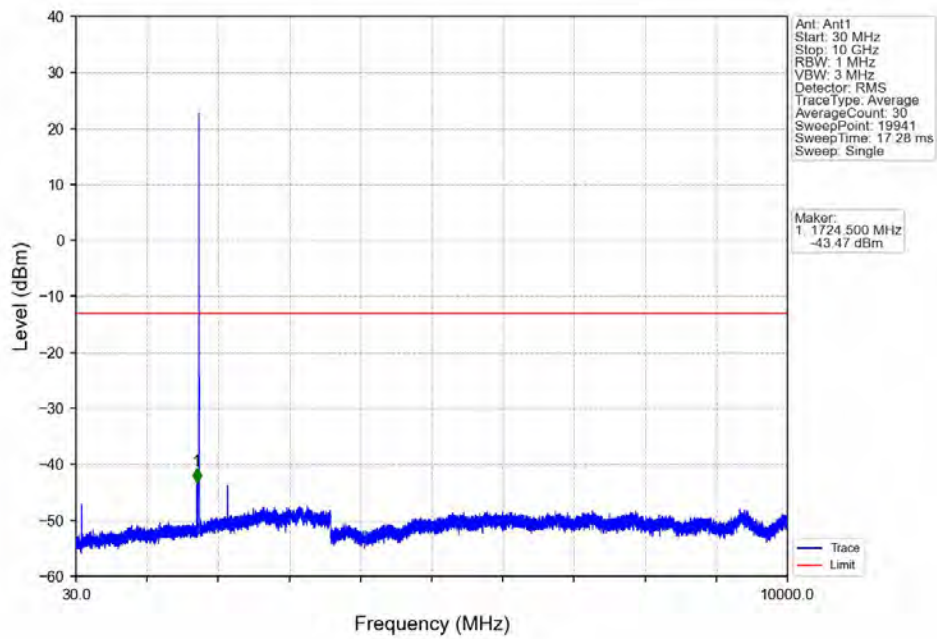
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



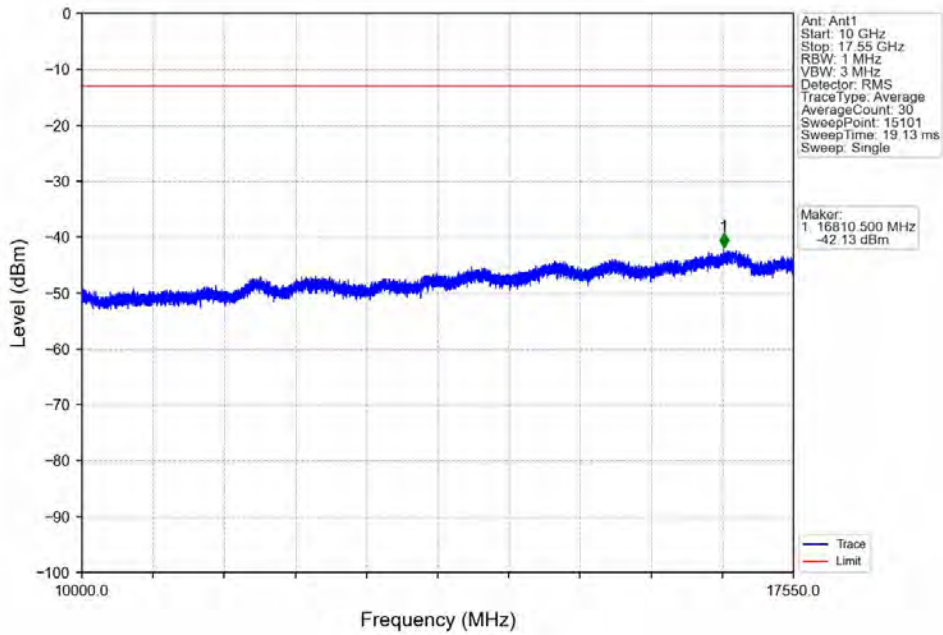
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



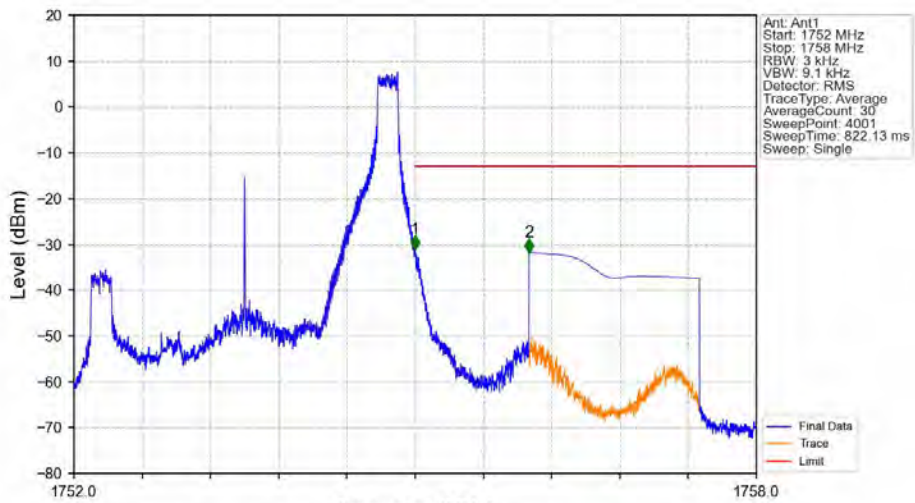
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

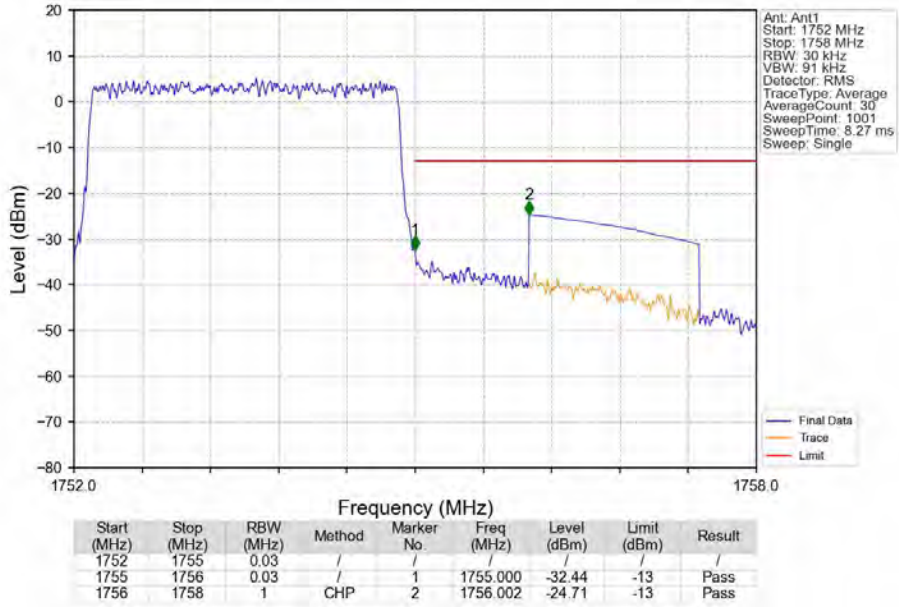


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV

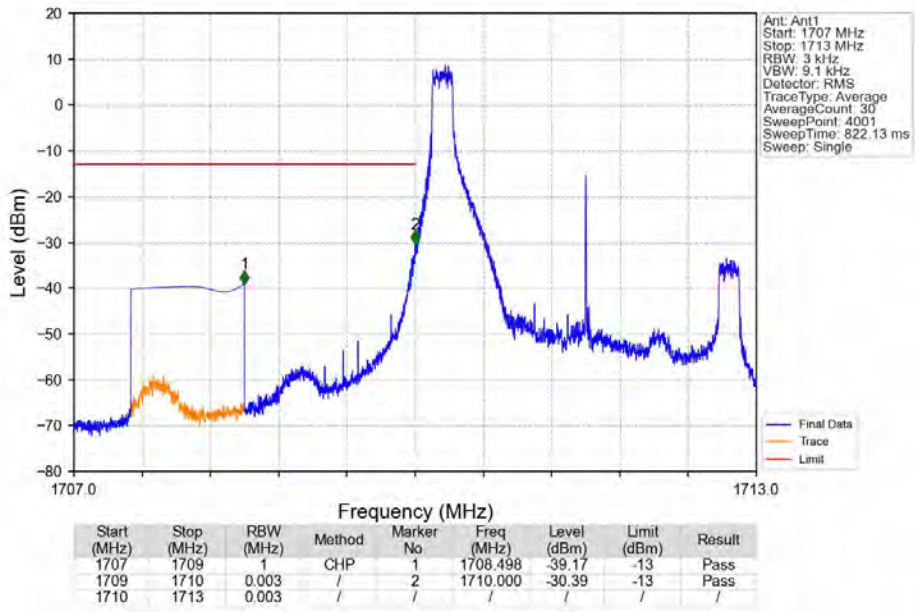


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	1	1755.000	-31.06	-13	Pass
1755	1756	0.003	/	1	1755.000	-31.06	-13	Pass
1756	1758	1	CHP	2	1756.001	-31.79	-13	Pass

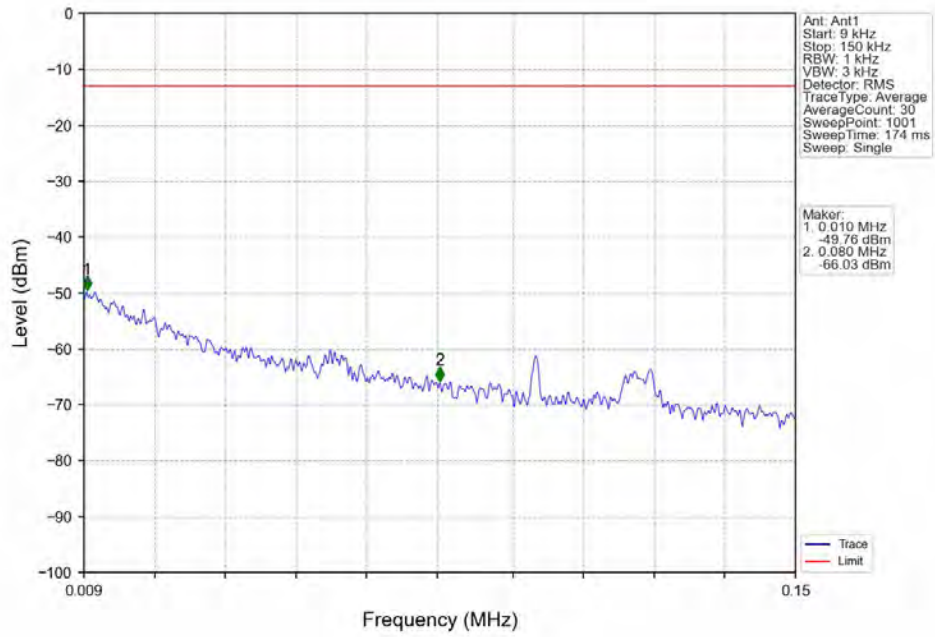
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



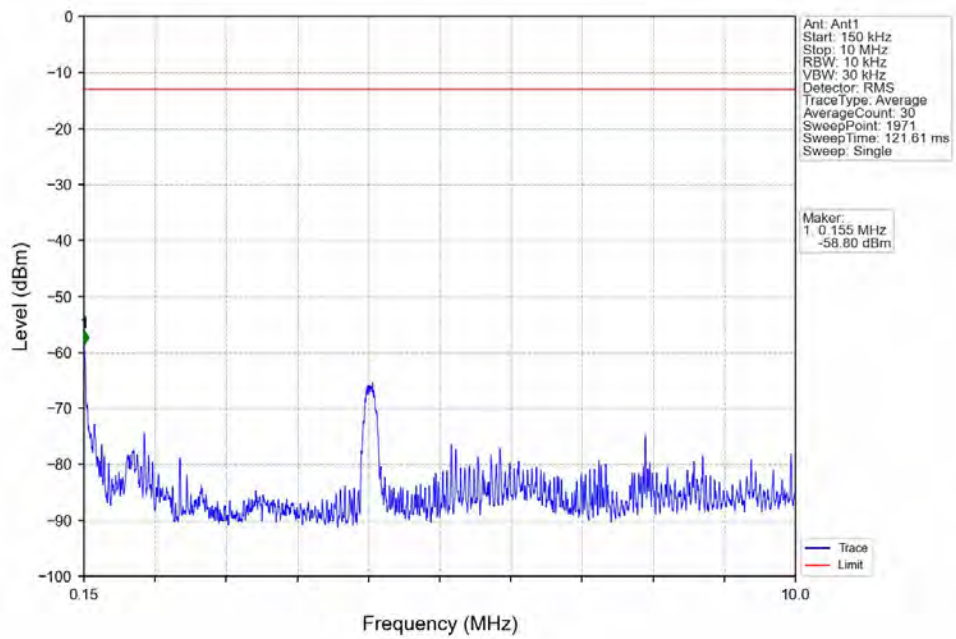
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



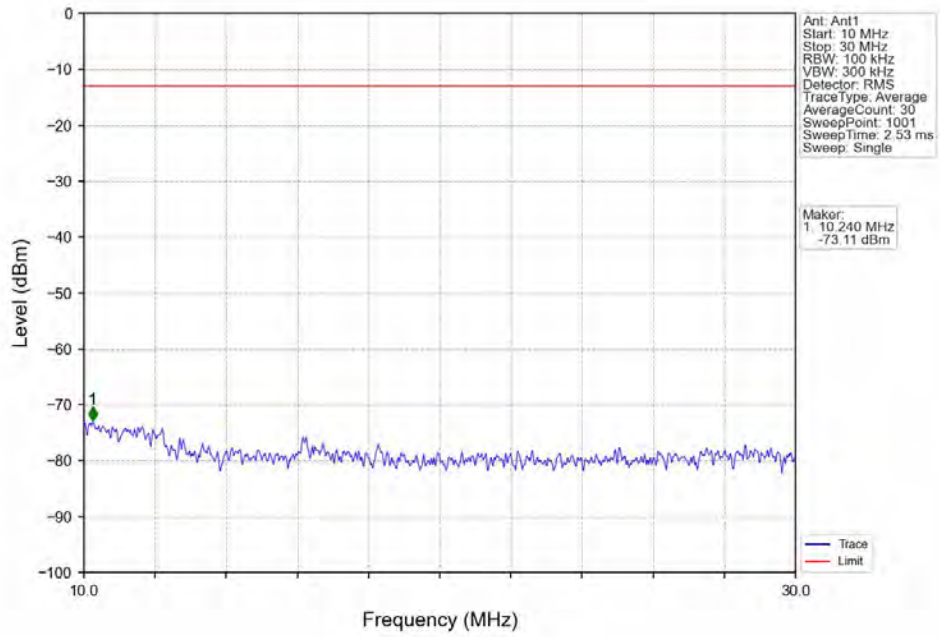
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



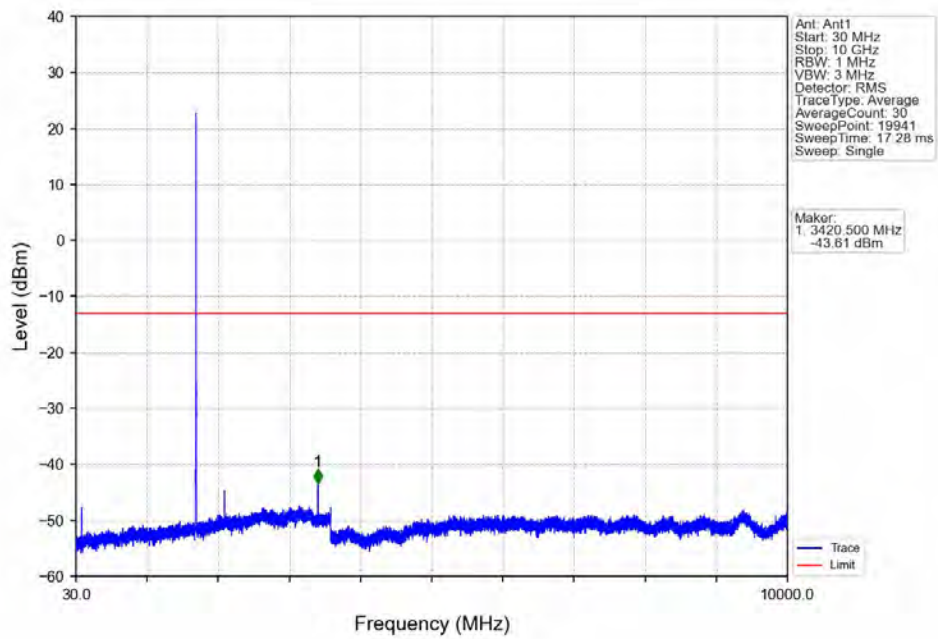
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



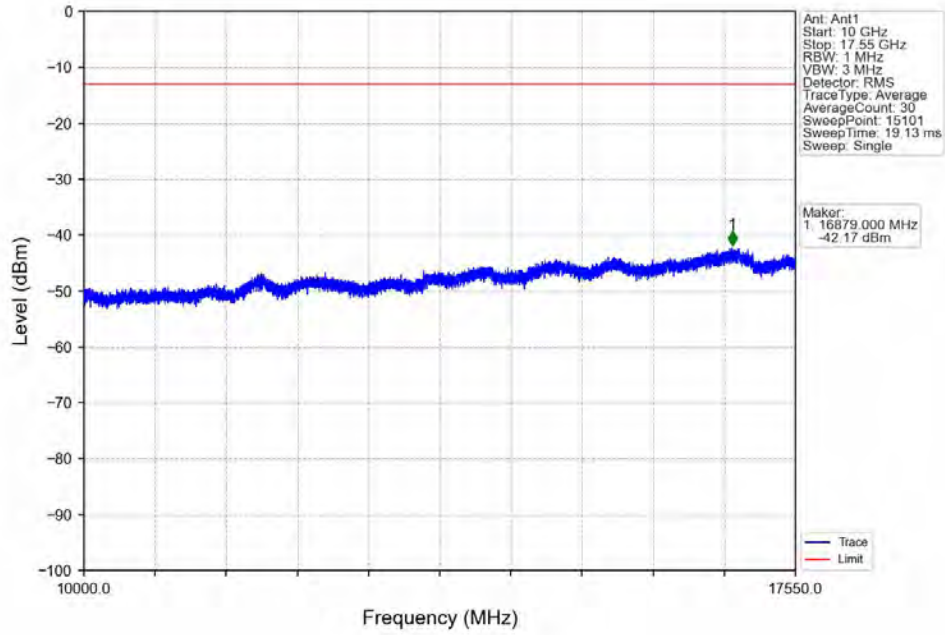
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



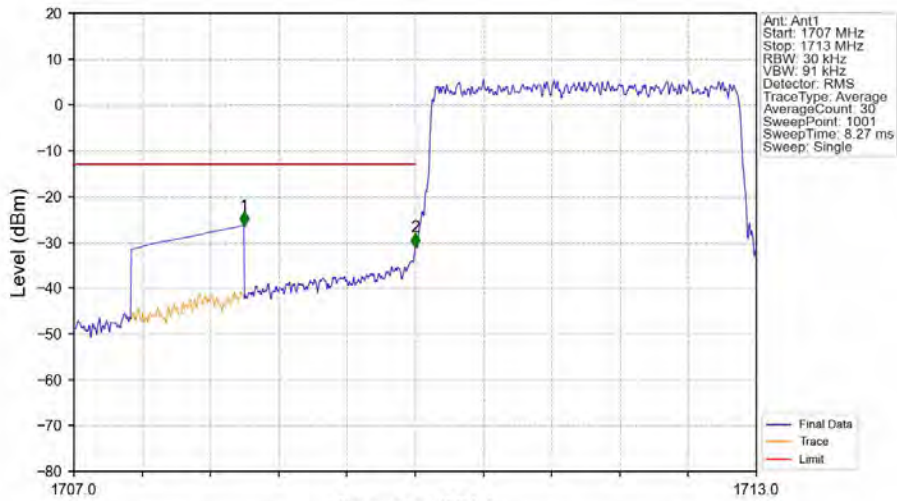
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

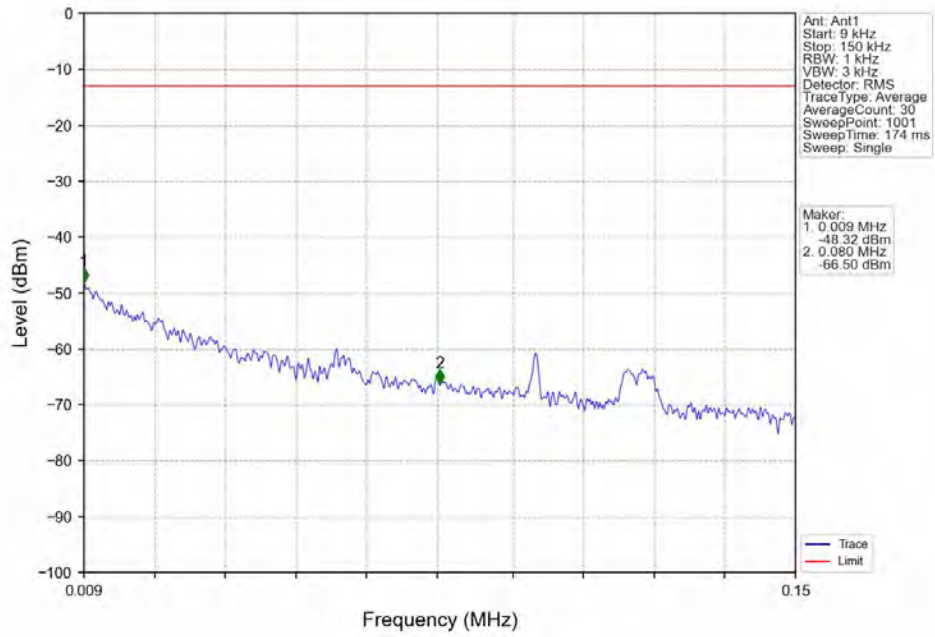


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

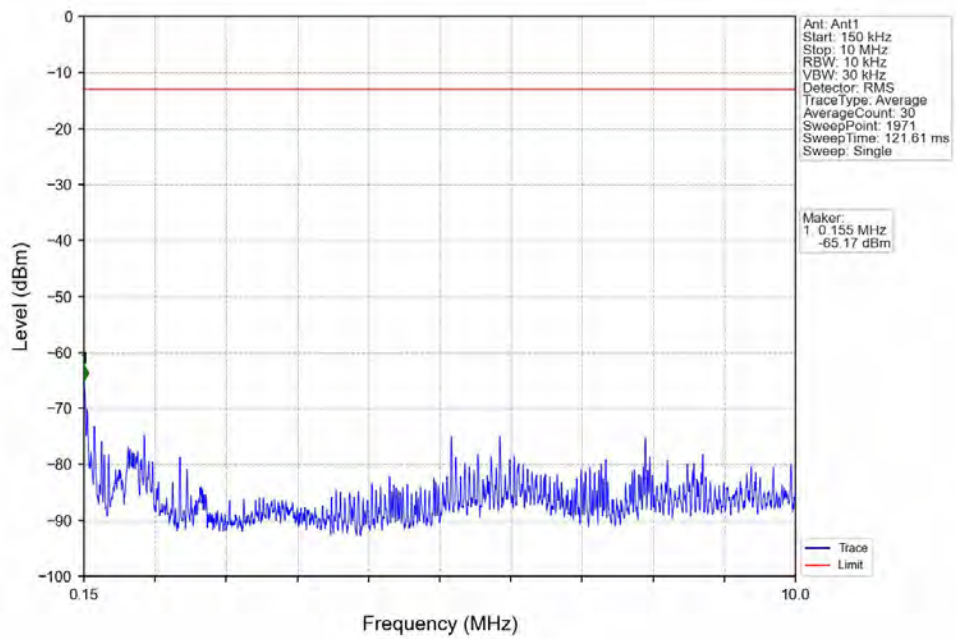


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-26.39	-13	Pass
1709	1710	0.03	/	2	1710.000	-31.05	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

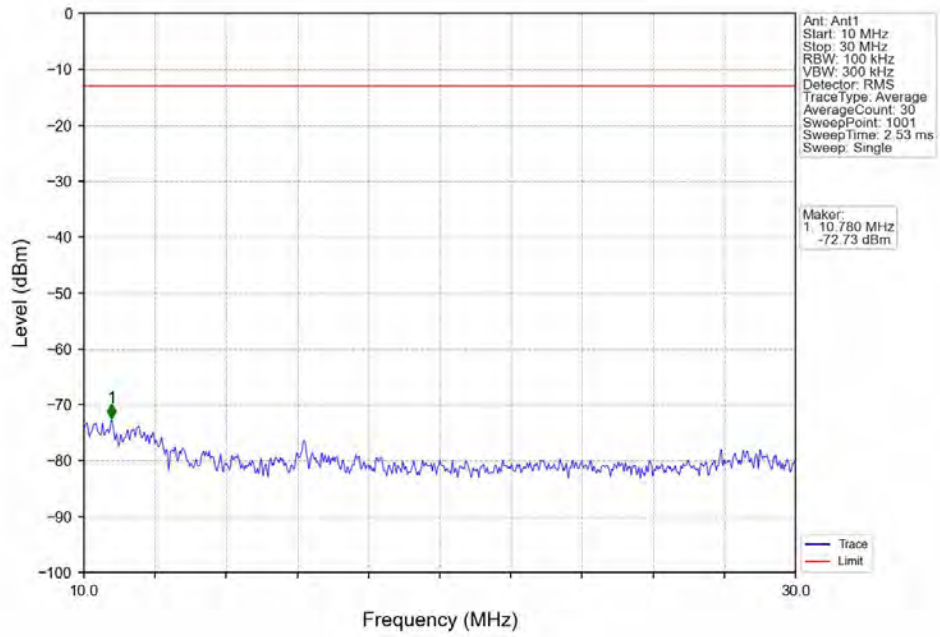
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



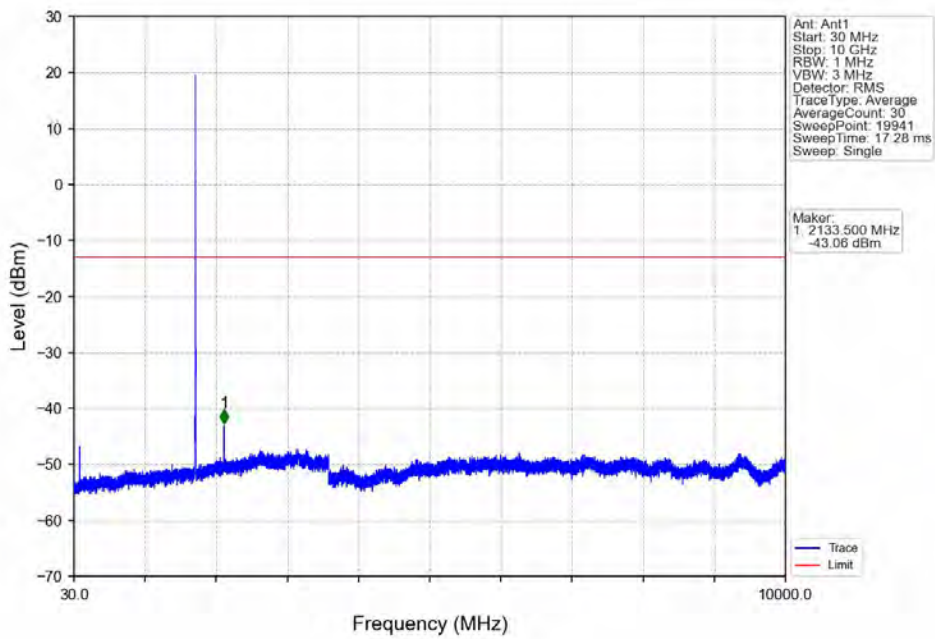
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



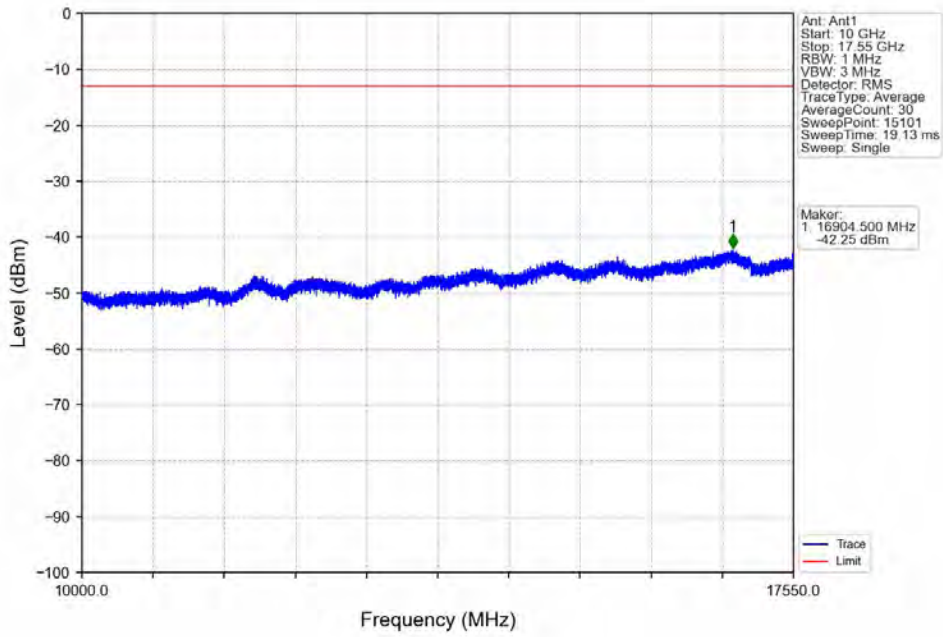
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



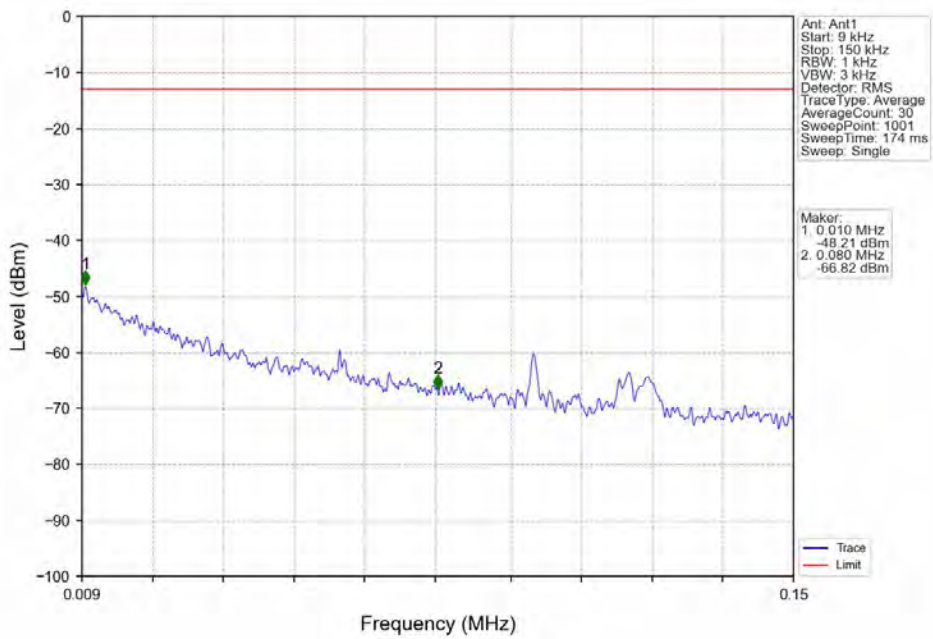
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



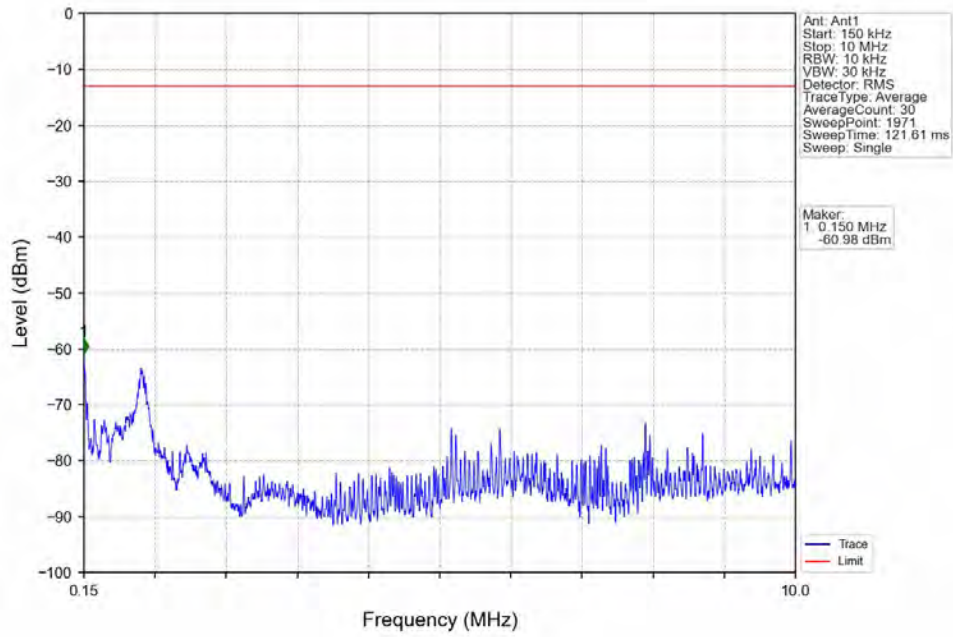
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



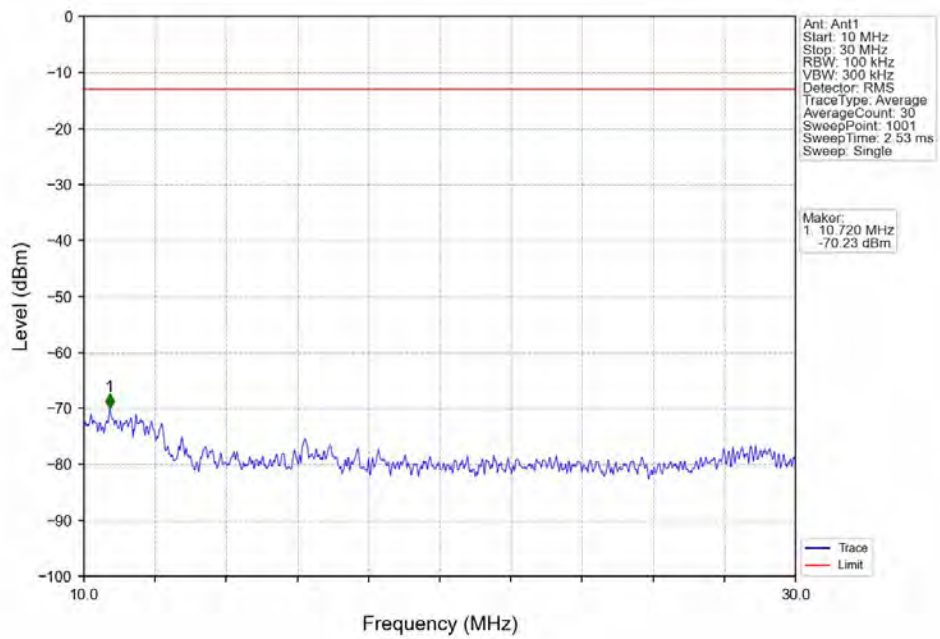
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



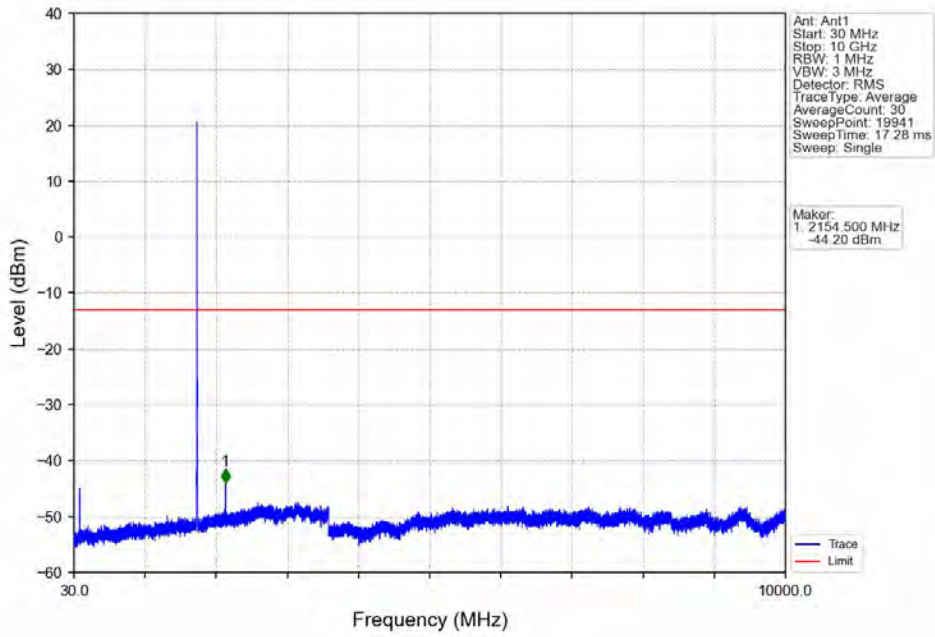
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



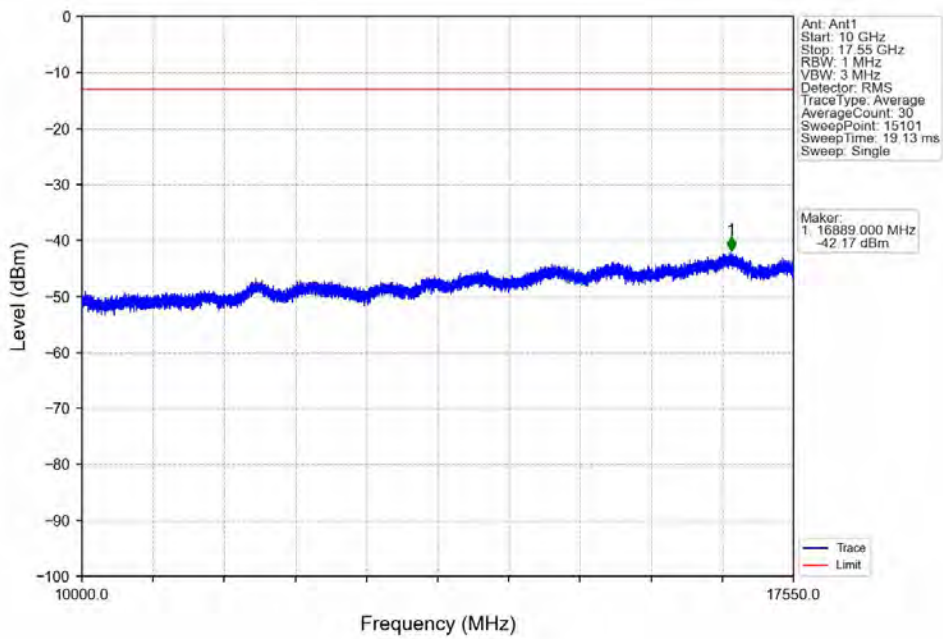
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



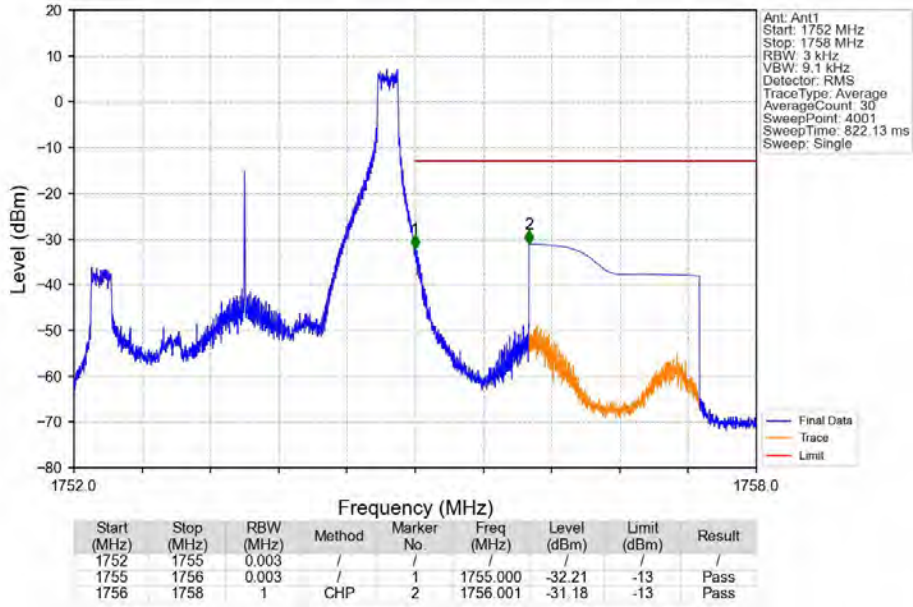
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



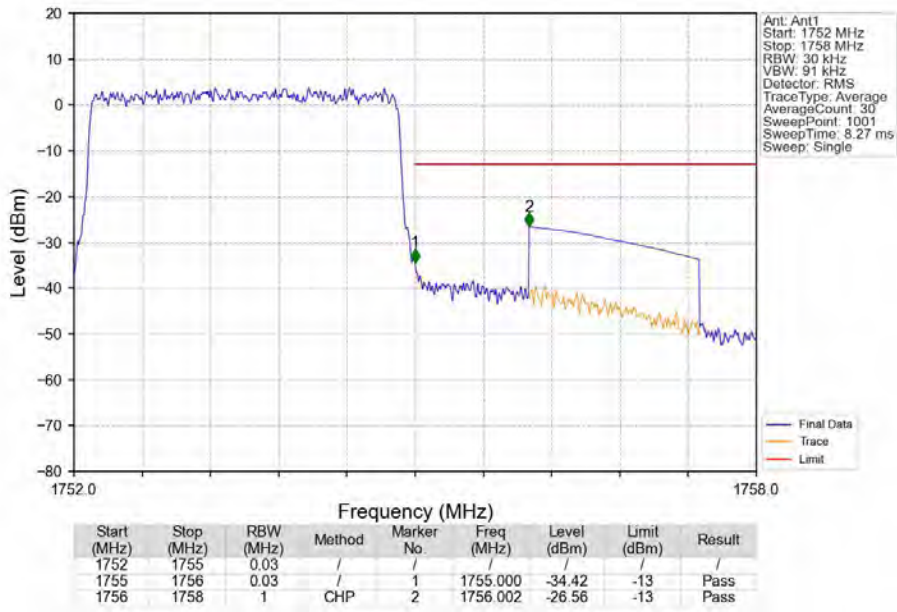
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTV

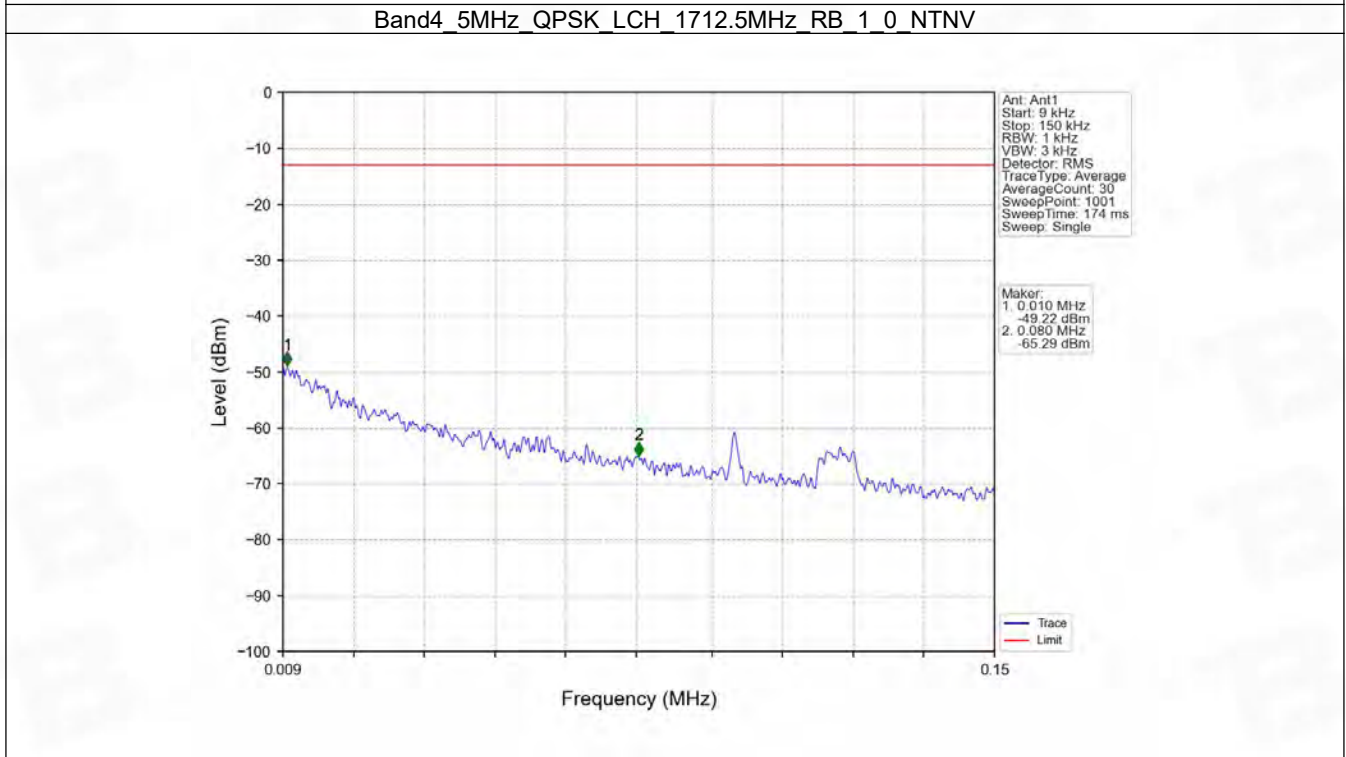
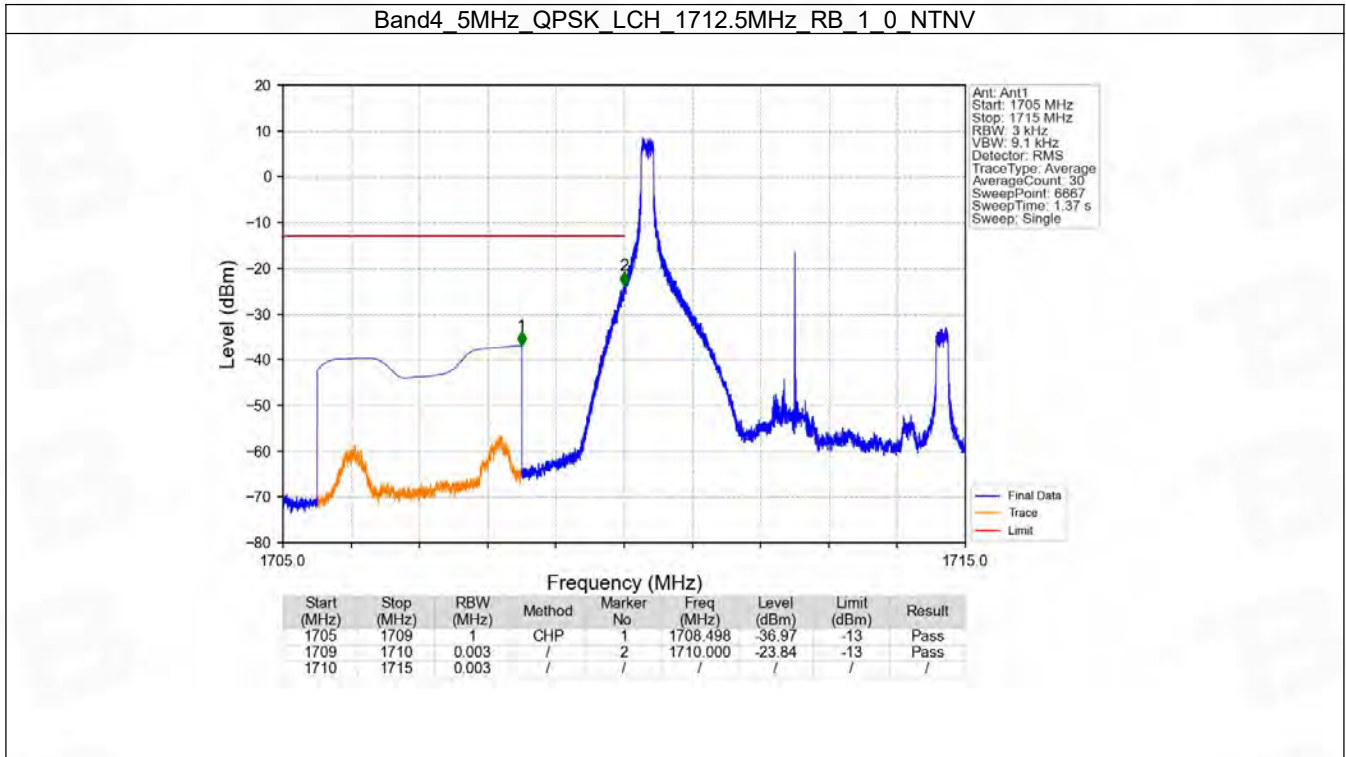


6.3 B4_5MHz

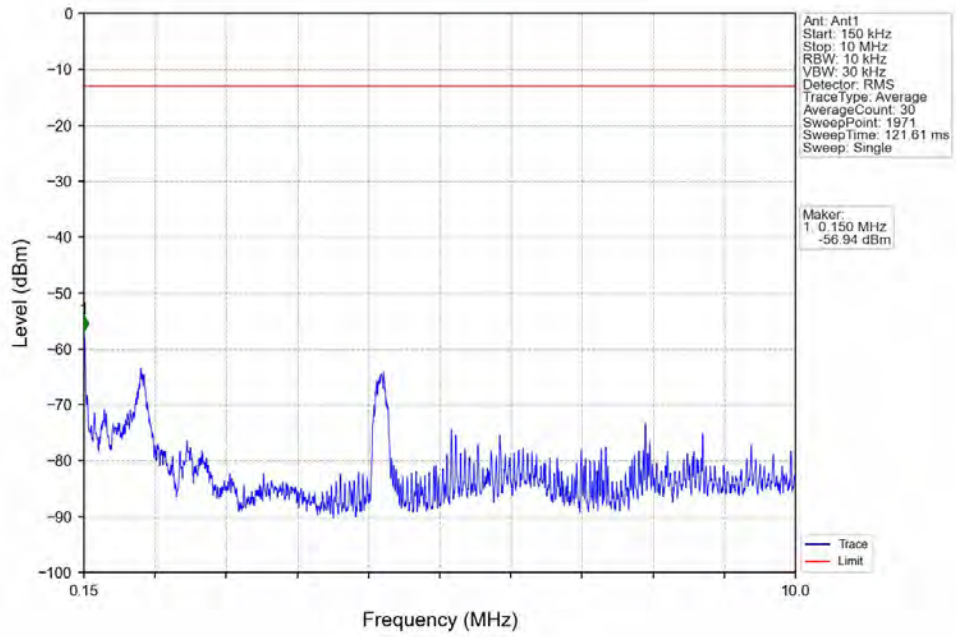
6.3.1 Test Result

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

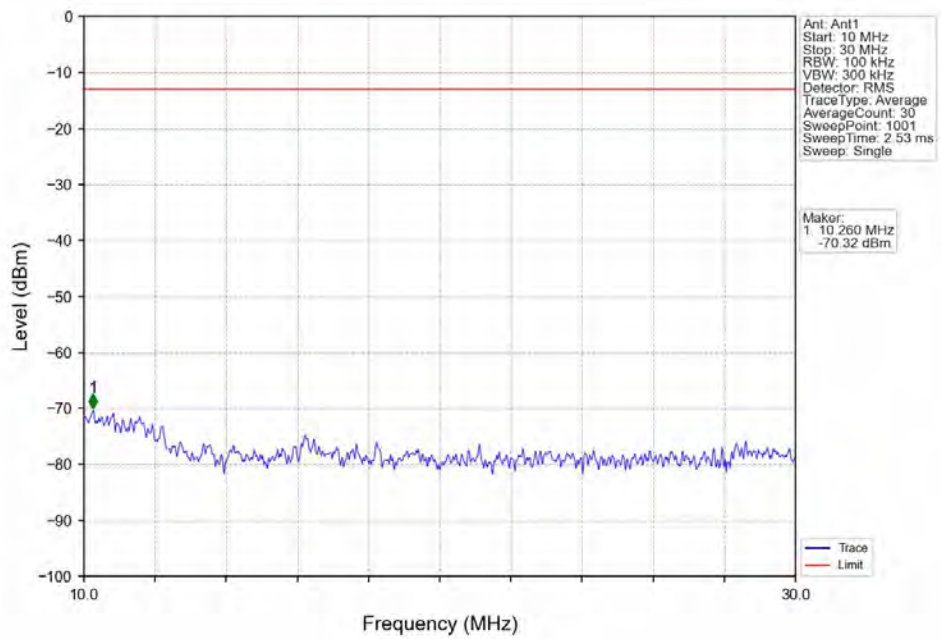
6.3.2 Test Graph



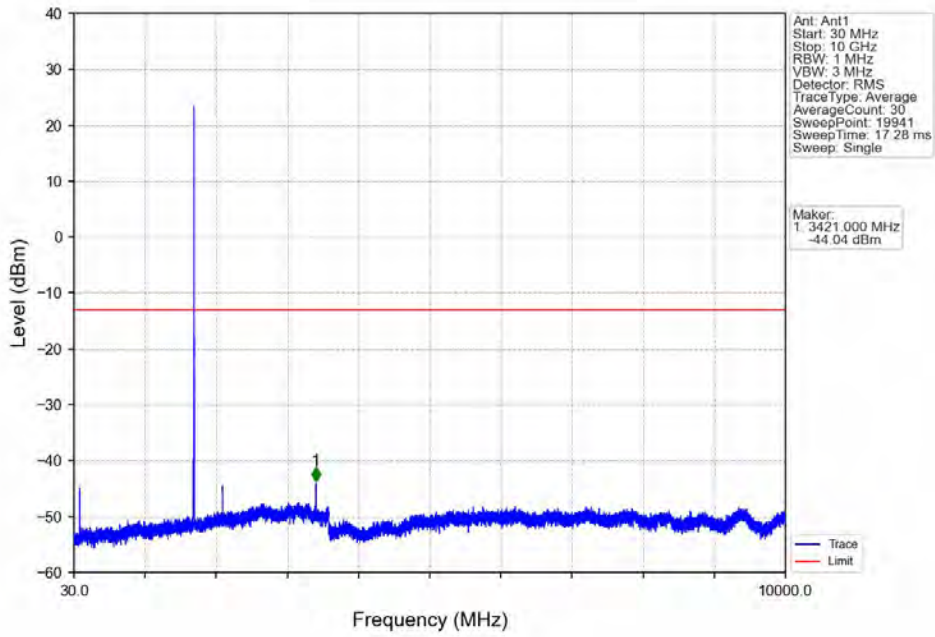
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



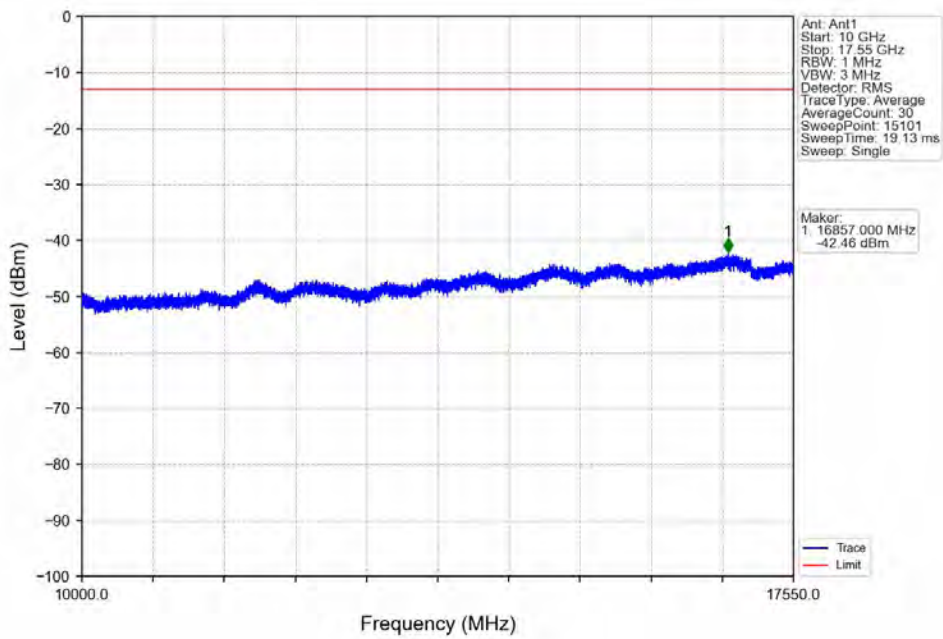
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



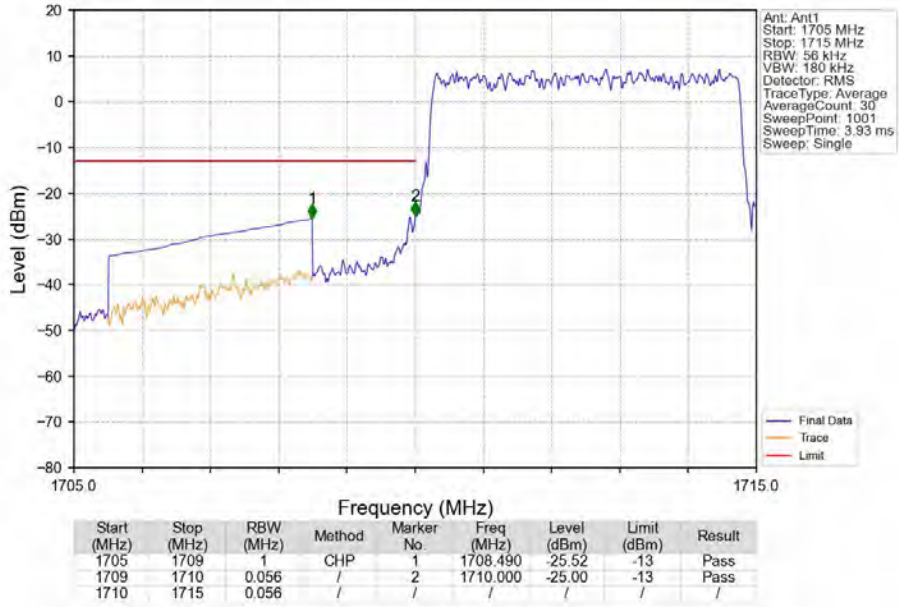
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



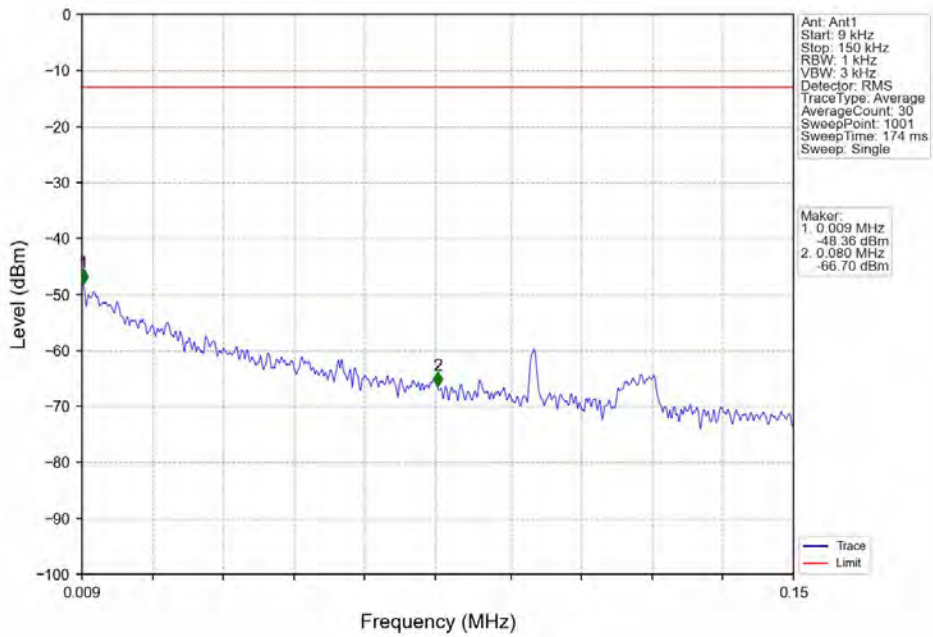
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



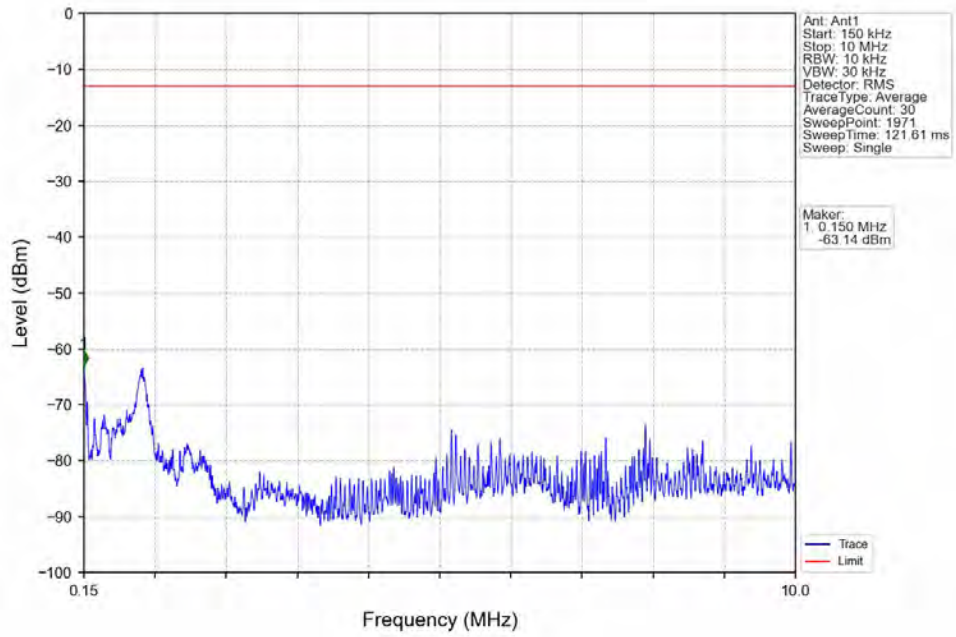
Band4 5MHz QPSK LCH 1712.5MHz RB 25_0 NTNV



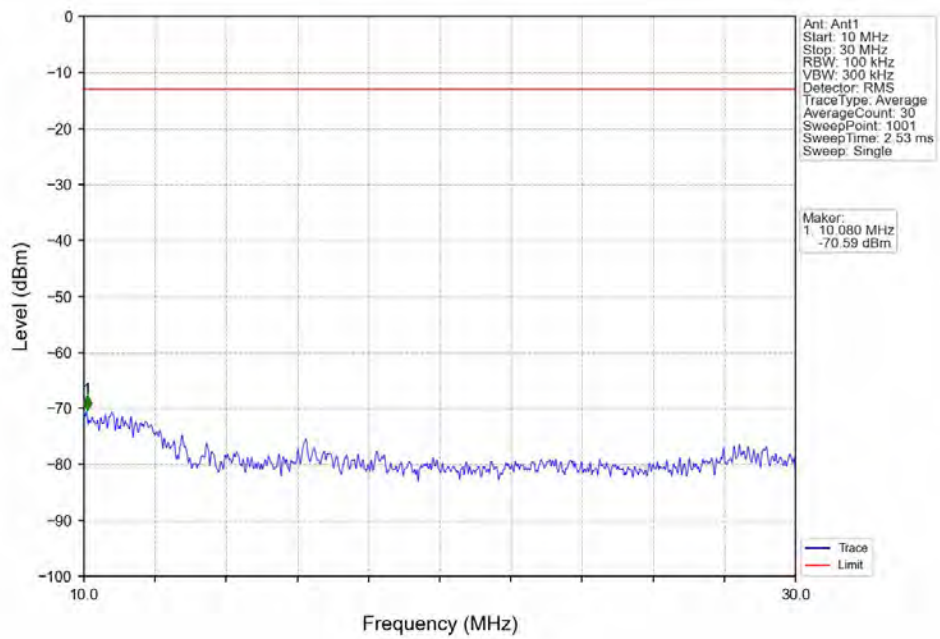
Band4 5MHz QPSK MCH 1732.5MHz RB 1_0 NTNV



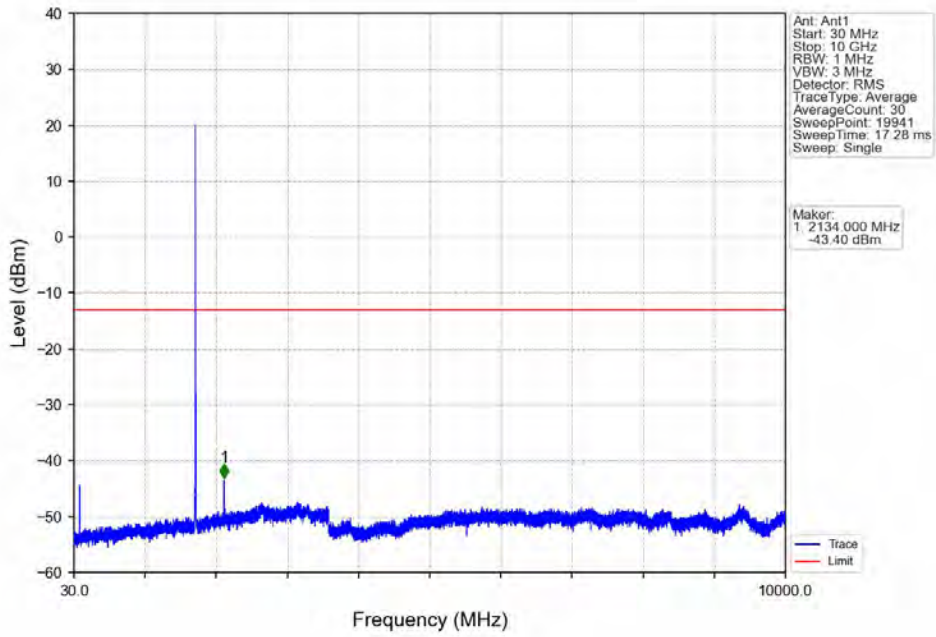
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



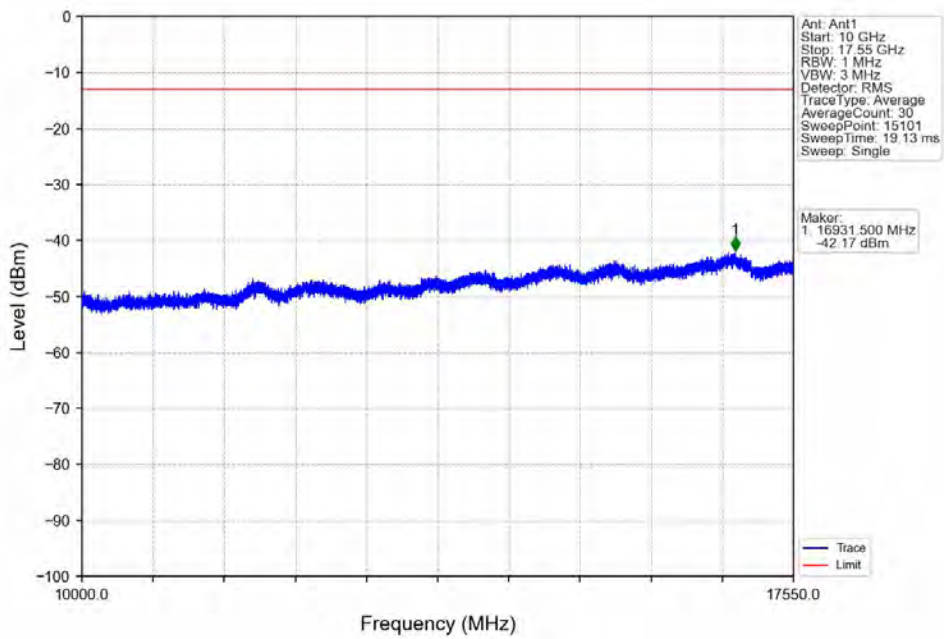
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



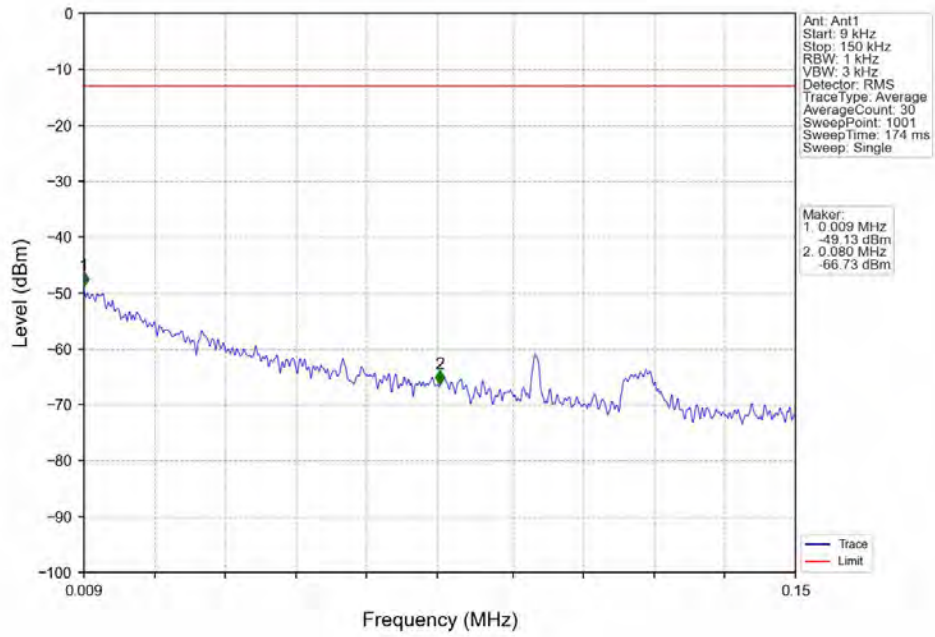
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



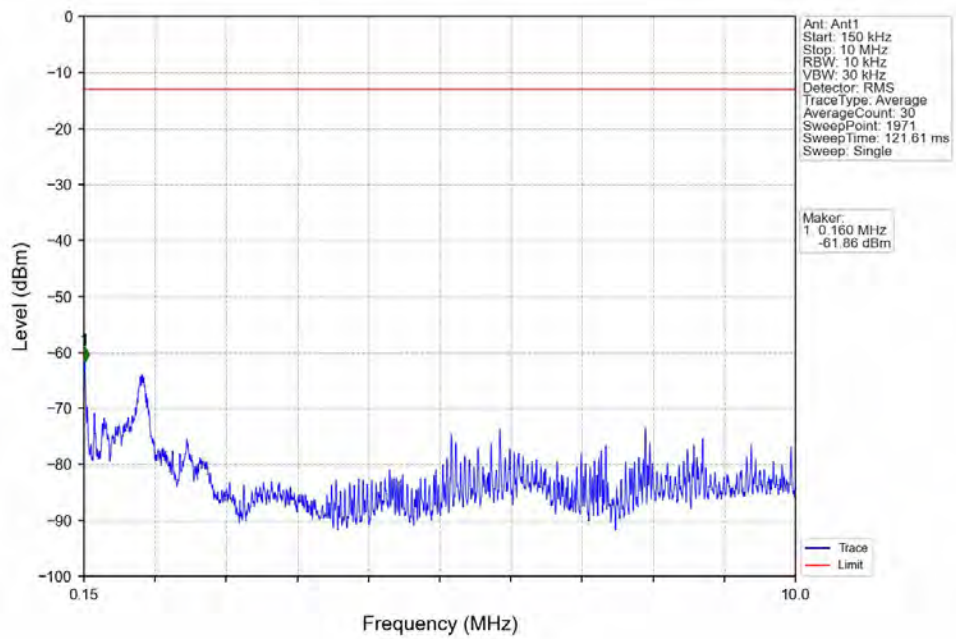
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



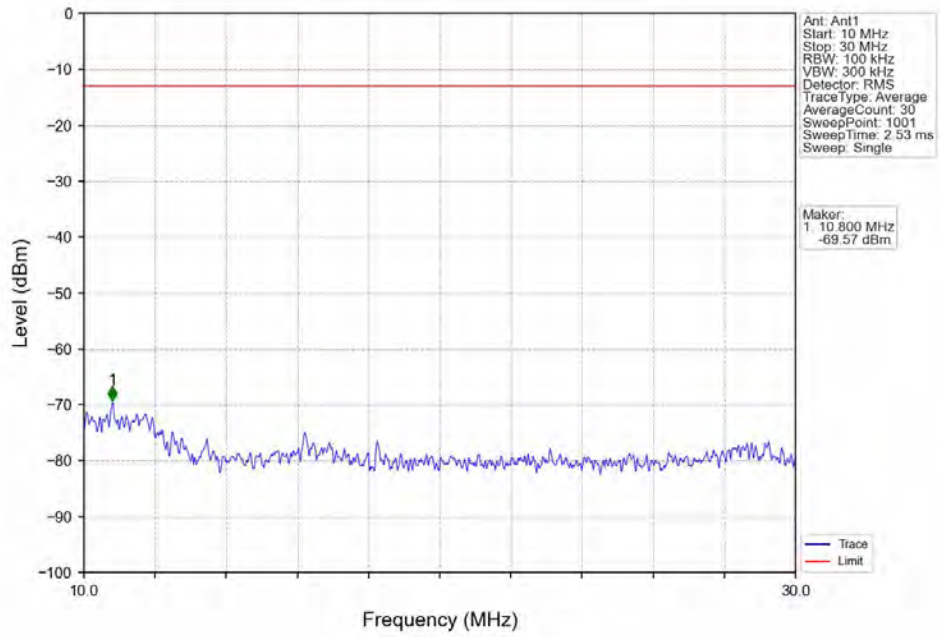
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



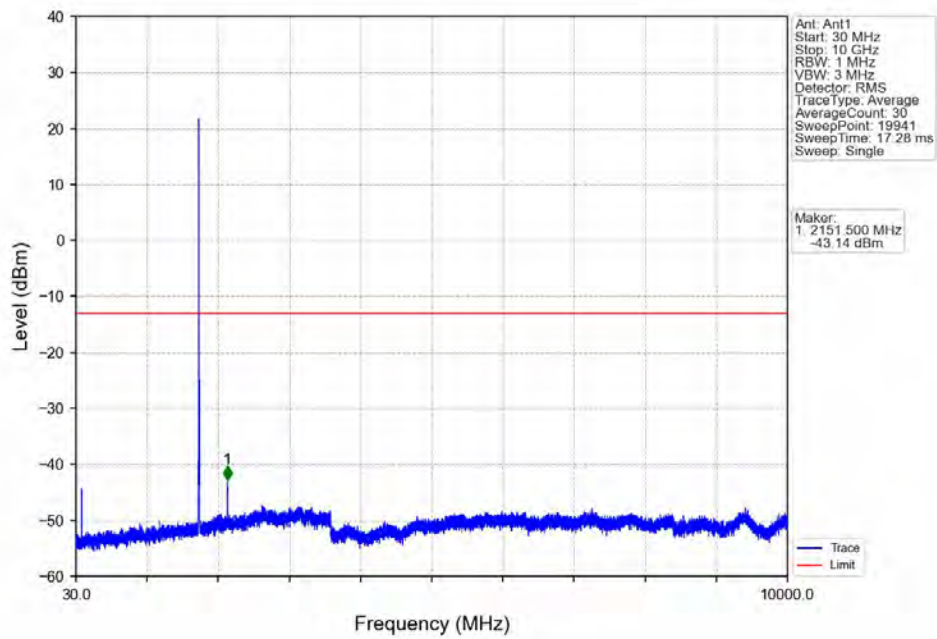
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



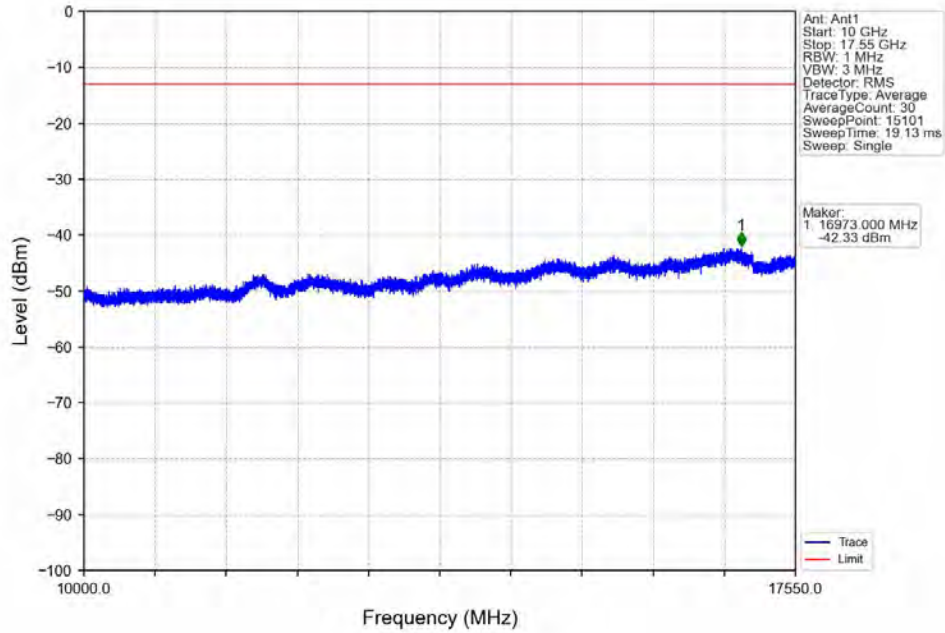
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



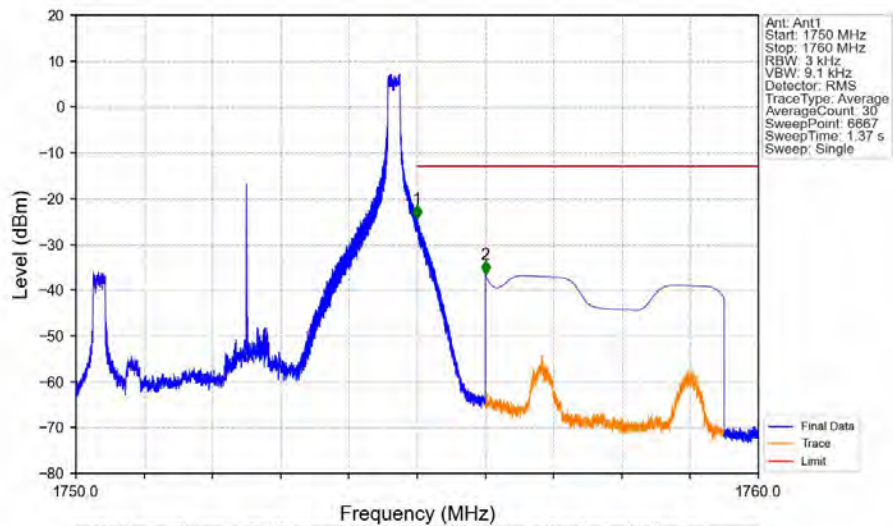
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

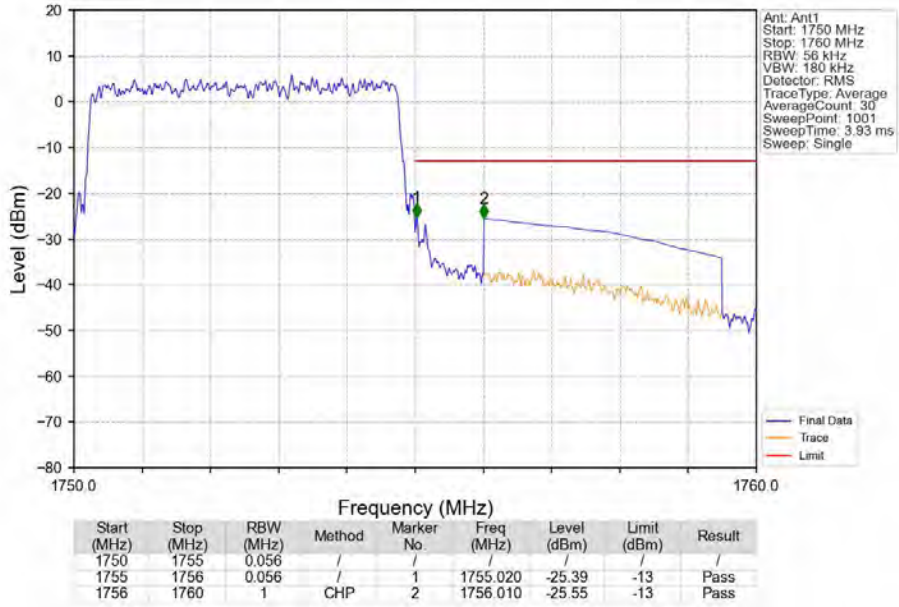


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV

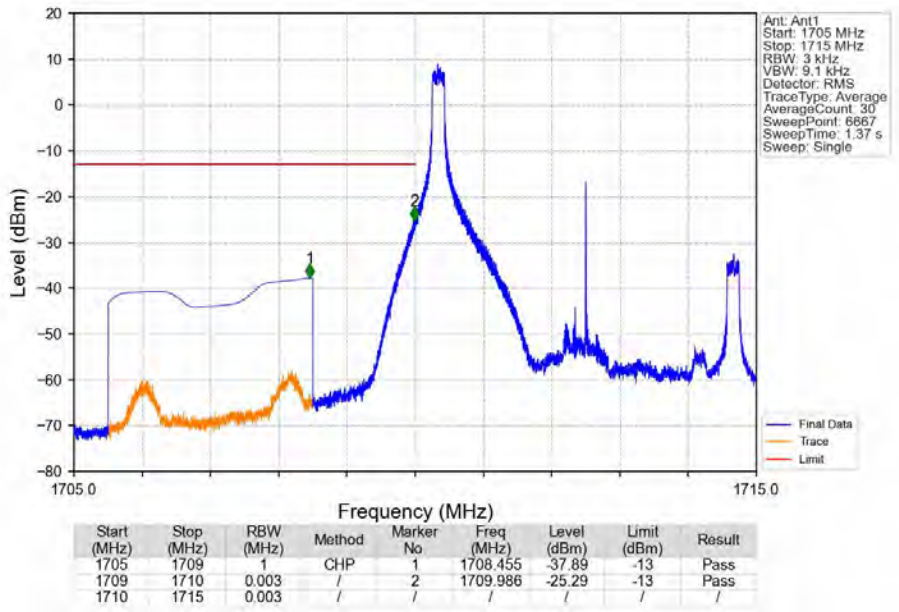


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	1	1755.000	-24.41	-13	Pass
1755	1756	1	CHP	2	1756.001	-36.65	-13	Pass

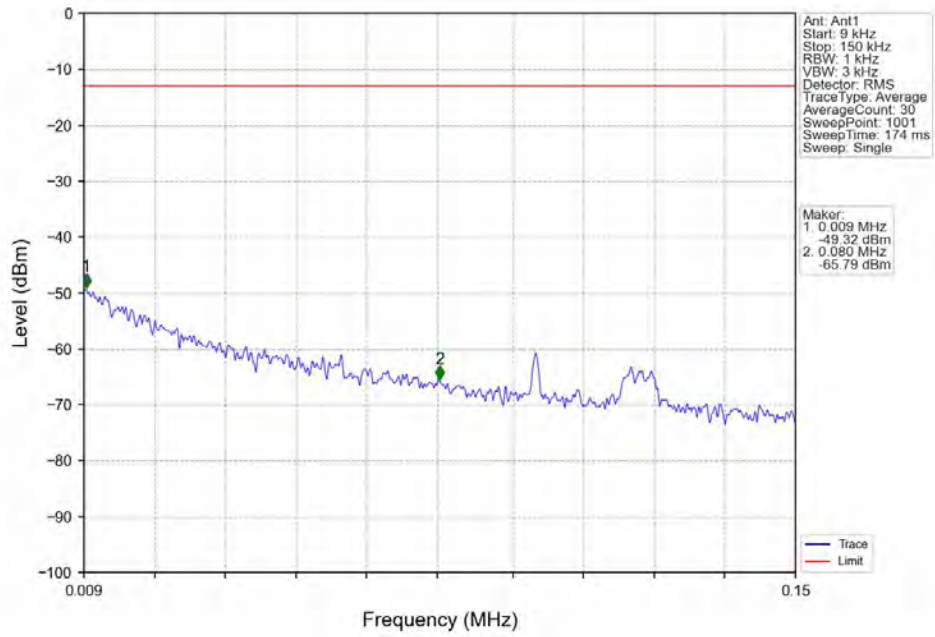
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



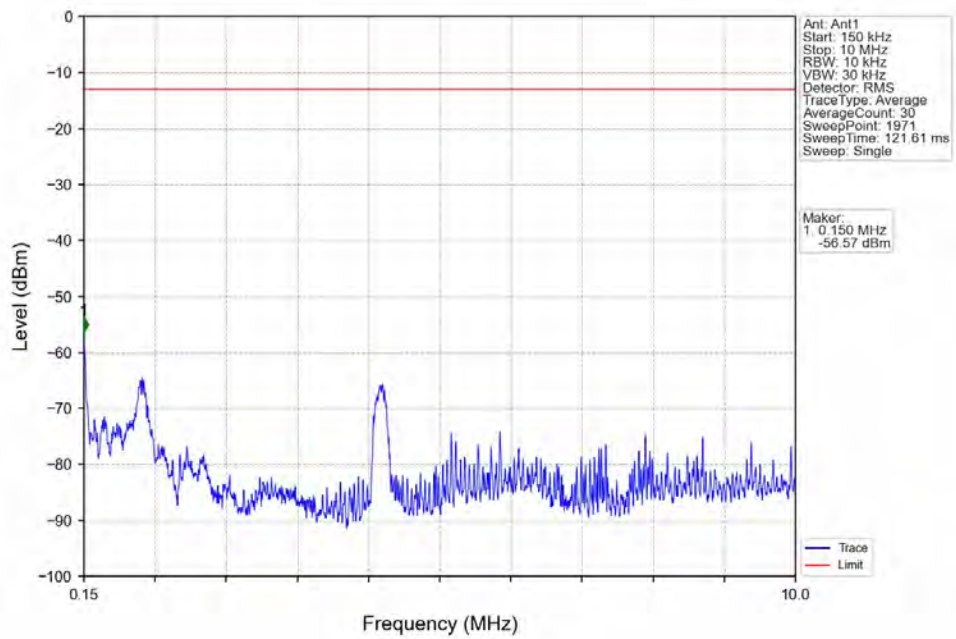
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



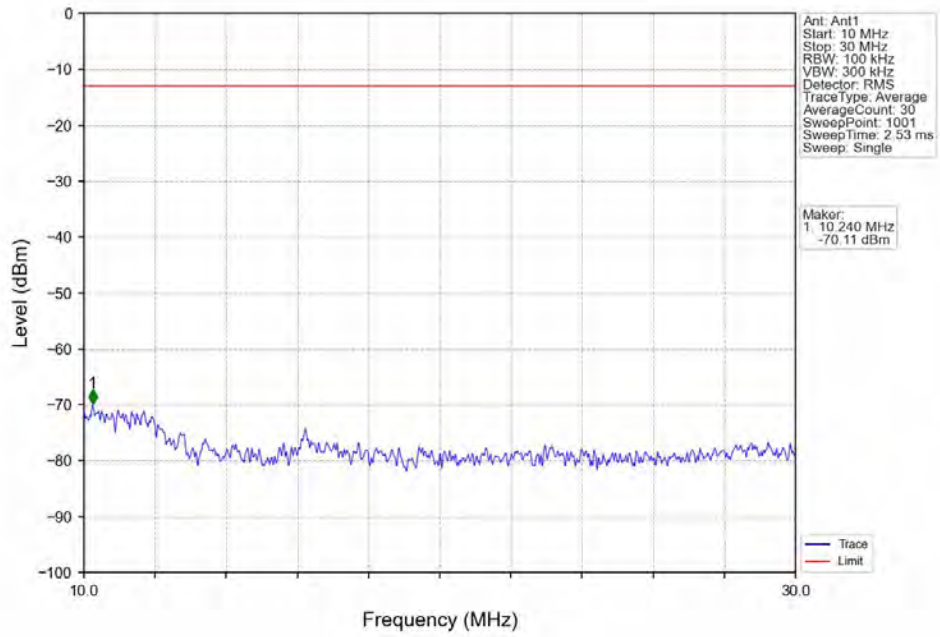
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV



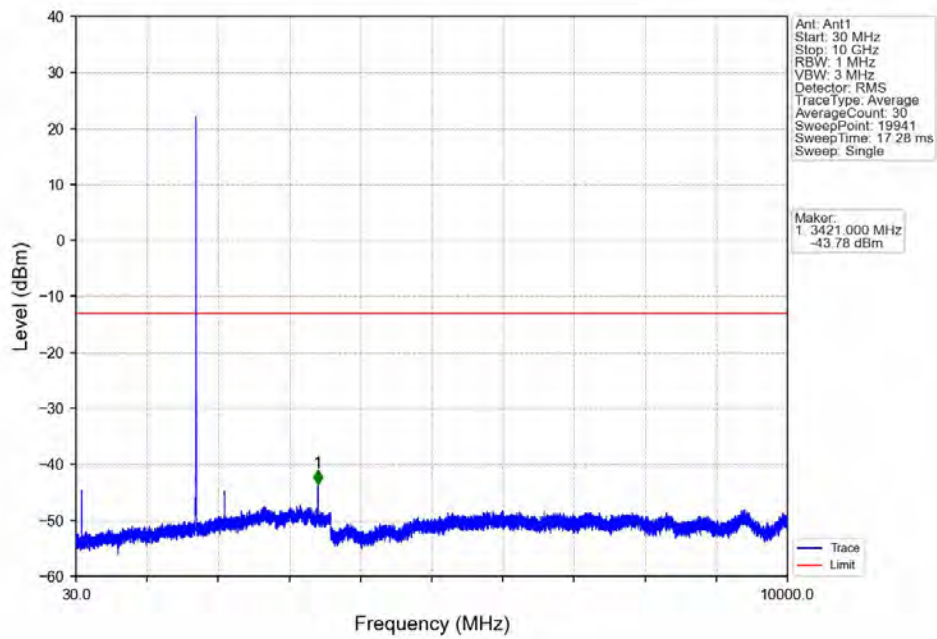
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV



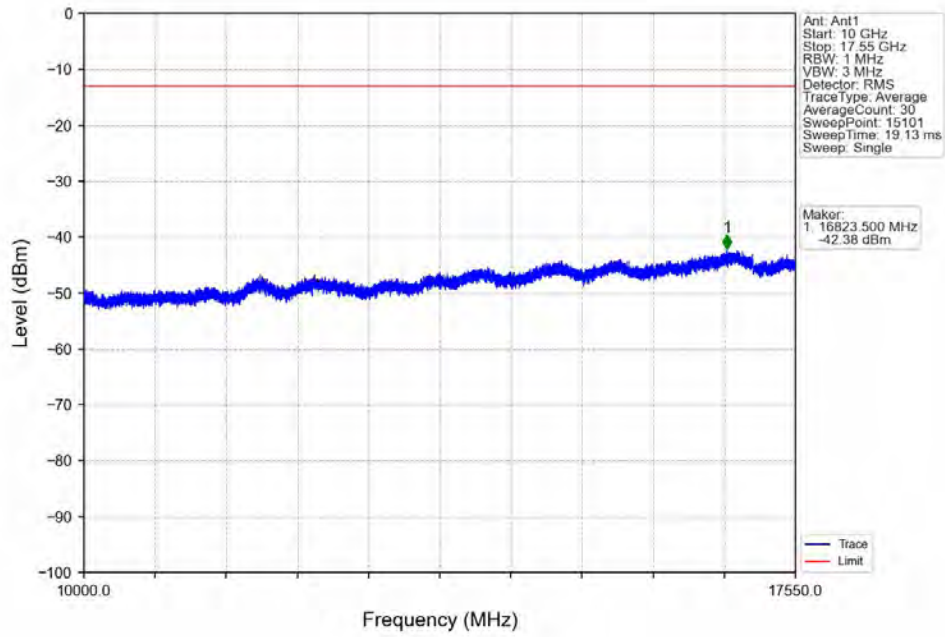
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



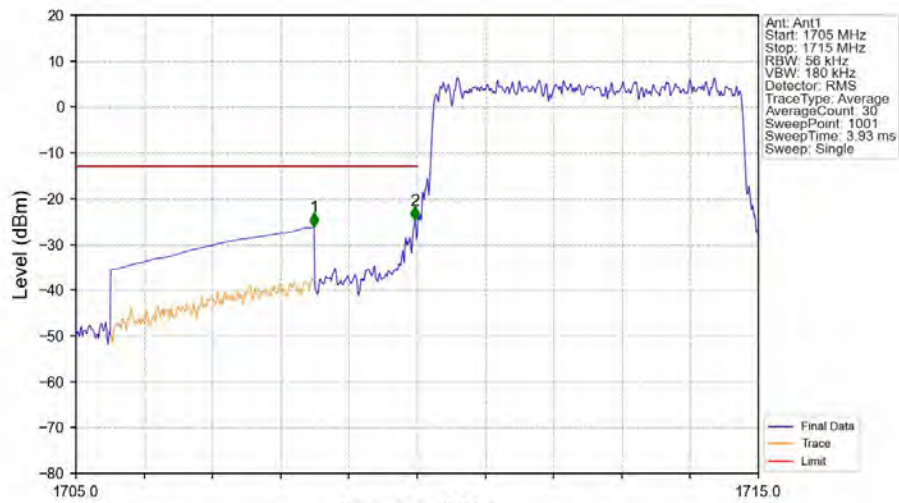
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-26.28	-13	Pass
1709	1710	0.056	/	2	1709.970	-24.79	-13	Pass
1710	1715	0.056	/	/	/	/	/	/