

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1710.7	1	0	17.61	0.88	18.49	<=30	Pass		
			2	17.57	0.88	18.45	<=30	Pass		
			5	17.57	0.88	18.45	<=30	Pass		
		3	0	17.44	0.88	18.32	<=30	Pass		
			2	17.66	0.88	18.54	<=30	Pass		
			3	17.47	0.88	18.35	<=30	Pass		
		6	0	16.70	0.88	17.58	<=30	Pass		
		1732.5	1	0	16.84	0.88	17.72	<=30	Pass	
				2	16.77	0.88	17.65	<=30	Pass	
	5			16.65	0.88	17.53	<=30	Pass		
	3		0	16.88	0.88	17.76	<=30	Pass		
			2	16.84	0.88	17.72	<=30	Pass		
			3	16.70	0.88	17.58	<=30	Pass		
	6		0	15.77	0.88	16.65	<=30	Pass		
	1754.3		1	0	17.20	0.88	18.08	<=30	Pass	
				2	17.20	0.88	18.08	<=30	Pass	
		5		17.02	0.88	17.90	<=30	Pass		
		3	0	17.13	0.88	18.01	<=30	Pass		
			2	17.06	0.88	17.94	<=30	Pass		
			3	17.15	0.88	18.03	<=30	Pass		
		6	0	16.18	0.88	17.06	<=30	Pass		
		16QAM	1710.7	1	0	16.76	0.88	17.64	<=30	Pass
					2	16.65	0.88	17.53	<=30	Pass
	5				16.73	0.88	17.61	<=30	Pass	
3	0			16.76	0.88	17.64	<=30	Pass		
	2			16.65	0.88	17.53	<=30	Pass		
	3			16.75	0.88	17.63	<=30	Pass		
6	0			15.71	0.88	16.59	<=30	Pass		
1732.5	1			0	16.07	0.88	16.95	<=30	Pass	
				2	16.15	0.88	17.03	<=30	Pass	
			5	15.99	0.88	16.87	<=30	Pass		
	3		0	15.83	0.88	16.71	<=30	Pass		
			2	15.96	0.88	16.84	<=30	Pass		
			3	15.94	0.88	16.82	<=30	Pass		
	6		0	14.90	0.88	15.78	<=30	Pass		
	1754.3		1	0	16.35	0.88	17.23	<=30	Pass	
				2	16.37	0.88	17.25	<=30	Pass	
5				16.22	0.88	17.10	<=30	Pass		
3			0	16.11	0.88	16.99	<=30	Pass		
			2	16.22	0.88	17.10	<=30	Pass		
			3	16.17	0.88	17.05	<=30	Pass		
6			0	15.10	0.88	15.98	<=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	17.73	0.88	18.61	<=30	Pass		
			7	17.82	0.88	18.70	<=30	Pass		
			14	17.59	0.88	18.47	<=30	Pass		
		8	0	16.59	0.88	17.47	<=30	Pass		
			4	16.51	0.88	17.39	<=30	Pass		
			7	16.53	0.88	17.41	<=30	Pass		
		15	0	16.60	0.88	17.48	<=30	Pass		
		1732.5	1	0	16.68	0.88	17.56	<=30	Pass	
				7	16.95	0.88	17.83	<=30	Pass	
	14			16.74	0.88	17.62	<=30	Pass		
	8		0	15.92	0.88	16.80	<=30	Pass		
			4	15.89	0.88	16.77	<=30	Pass		
			7	15.96	0.88	16.84	<=30	Pass		
	15		0	15.88	0.88	16.76	<=30	Pass		
	1753.5		1	0	17.13	0.88	18.01	<=30	Pass	
				7	17.38	0.88	18.26	<=30	Pass	
		14		17.08	0.88	17.96	<=30	Pass		
		8	0	16.25	0.88	17.13	<=30	Pass		
			4	16.19	0.88	17.07	<=30	Pass		
			7	16.18	0.88	17.06	<=30	Pass		
		15	0	16.23	0.88	17.11	<=30	Pass		
		16QAM	1711.5	1	0	16.76	0.88	17.64	<=30	Pass
					7	16.55	0.88	17.43	<=30	Pass
	14				16.35	0.88	17.23	<=30	Pass	
8	0			15.56	0.88	16.44	<=30	Pass		
	4			15.63	0.88	16.51	<=30	Pass		
	7			15.78	0.88	16.66	<=30	Pass		
15	0			15.64	0.88	16.52	<=30	Pass		
1732.5	1			0	16.28	0.88	17.16	<=30	Pass	
				7	16.55	0.88	17.43	<=30	Pass	
			14	16.65	0.88	17.53	<=30	Pass		
	8		0	15.03	0.88	15.91	<=30	Pass		
			4	14.84	0.88	15.72	<=30	Pass		
			7	14.84	0.88	15.72	<=30	Pass		
	15		0	14.70	0.88	15.58	<=30	Pass		
	1753.5		1	0	16.54	0.88	17.42	<=30	Pass	
				7	16.70	0.88	17.58	<=30	Pass	
14				16.55	0.88	17.43	<=30	Pass		
8			0	15.42	0.88	16.30	<=30	Pass		
			4	15.36	0.88	16.24	<=30	Pass		
			7	15.27	0.88	16.15	<=30	Pass		
15			0	15.22	0.88	16.10	<=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	17.37	0.88	18.25	<=30	Pass
			13	17.56	0.88	18.44	<=30	Pass
			24	17.19	0.88	18.07	<=30	Pass

16QAM	1732.5	12	0	16.57	0.88	17.45	<=30	Pass	
			6	16.66	0.88	17.54	<=30	Pass	
			13	16.56	0.88	17.44	<=30	Pass	
		25	0	16.56	0.88	17.44	<=30	Pass	
			0	16.53	0.88	17.41	<=30	Pass	
			1	13	16.78	0.88	17.66	<=30	Pass
		12	24	16.45	0.88	17.33	<=30	Pass	
			0	15.90	0.88	16.78	<=30	Pass	
			6	15.93	0.88	16.81	<=30	Pass	
	25	13	15.88	0.88	16.76	<=30	Pass		
		0	15.86	0.88	16.74	<=30	Pass		
		1	0	16.99	0.88	17.87	<=30	Pass	
	1752.5	1	13	17.38	0.88	18.26	<=30	Pass	
			24	17.14	0.88	18.02	<=30	Pass	
			0	16.24	0.88	17.12	<=30	Pass	
		12	6	16.40	0.88	17.28	<=30	Pass	
			13	16.34	0.88	17.22	<=30	Pass	
			0	16.32	0.88	17.20	<=30	Pass	
		1712.5	1	0	16.48	0.88	17.36	<=30	Pass
				13	16.79	0.88	17.67	<=30	Pass
				24	16.34	0.88	17.22	<=30	Pass
	12		0	15.55	0.88	16.43	<=30	Pass	
			6	15.55	0.88	16.43	<=30	Pass	
			13	15.60	0.88	16.48	<=30	Pass	
1732.5	1		0	16.12	0.88	17.00	<=30	Pass	
			13	16.62	0.88	17.50	<=30	Pass	
			24	16.22	0.88	17.10	<=30	Pass	
	12	0	14.77	0.88	15.65	<=30	Pass		
		6	14.86	0.88	15.74	<=30	Pass		
		13	14.77	0.88	15.65	<=30	Pass		
	1752.5	1	0	14.88	0.88	15.76	<=30	Pass	
			0	15.63	0.88	16.51	<=30	Pass	
			13	16.14	0.88	17.02	<=30	Pass	
12		24	15.68	0.88	16.56	<=30	Pass		
		0	15.02	0.88	15.90	<=30	Pass		
		6	15.33	0.88	16.21	<=30	Pass		
25		13	15.27	0.88	16.15	<=30	Pass		
		0	15.37	0.88	16.25	<=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	17.54	0.88	18.42	<=30	Pass
			25	17.87	0.88	18.75	<=30	Pass
			49	17.22	0.88	18.10	<=30	Pass
		25	0	16.72	0.88	17.60	<=30	Pass
			13	16.63	0.88	17.51	<=30	Pass
			25	16.47	0.88	17.35	<=30	Pass
	1732.5	1	0	16.56	0.88	17.44	<=30	Pass
			0	16.98	0.88	17.86	<=30	Pass
			25	17.26	0.88	18.14	<=30	Pass

		25	49	16.64	0.88	17.52	<=30	Pass		
			0	15.82	0.88	16.70	<=30	Pass		
			13	15.94	0.88	16.82	<=30	Pass		
			25	15.82	0.88	16.70	<=30	Pass		
			50	0	15.88	0.88	16.76	<=30	Pass	
	1750	1	0	16.94	0.88	17.82	<=30	Pass		
			25	17.30	0.88	18.18	<=30	Pass		
			49	17.20	0.88	18.08	<=30	Pass		
		25	0	16.13	0.88	17.01	<=30	Pass		
			13	16.16	0.88	17.04	<=30	Pass		
			25	16.28	0.88	17.16	<=30	Pass		
		50	0	16.22	0.88	17.10	<=30	Pass		
		16QAM	1715	1	0	16.81	0.88	17.69	<=30	Pass
					25	16.61	0.88	17.49	<=30	Pass
					49	16.03	0.88	16.91	<=30	Pass
25	0			15.80	0.88	16.68	<=30	Pass		
	13			15.76	0.88	16.64	<=30	Pass		
	25			15.58	0.88	16.46	<=30	Pass		
50	0		15.65	0.88	16.53	<=30	Pass			
1732.5	1		0	16.50	0.88	17.38	<=30	Pass		
			25	17.13	0.88	18.01	<=30	Pass		
			49	16.50	0.88	17.38	<=30	Pass		
	25		0	14.77	0.88	15.65	<=30	Pass		
			13	15.01	0.88	15.89	<=30	Pass		
			25	15.01	0.88	15.89	<=30	Pass		
50	0		15.01	0.88	15.89	<=30	Pass			
1750	1		0	16.48	0.88	17.36	<=30	Pass		
		25	16.70	0.88	17.58	<=30	Pass			
		49	16.18	0.88	17.06	<=30	Pass			
	25	0	15.13	0.88	16.01	<=30	Pass			
		13	15.21	0.88	16.09	<=30	Pass			
		25	15.27	0.88	16.15	<=30	Pass			
	50	0	15.18	0.88	16.06	<=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	17.62	0.88	18.50	<=30	Pass	
			38	17.50	0.88	18.38	<=30	Pass	
			74	16.93	0.88	17.81	<=30	Pass	
		36	0	16.62	0.88	17.50	<=30	Pass	
			18	16.54	0.88	17.42	<=30	Pass	
			39	16.45	0.88	17.33	<=30	Pass	
		75	0	16.52	0.88	17.40	<=30	Pass	
		1732.5	1	0	16.87	0.88	17.75	<=30	Pass
				38	17.03	0.88	17.91	<=30	Pass
	74			16.63	0.88	17.51	<=30	Pass	
	36		0	16.03	0.88	16.91	<=30	Pass	
			18	16.02	0.88	16.90	<=30	Pass	
			39	15.85	0.88	16.73	<=30	Pass	
	75	0	15.95	0.88	16.83	<=30	Pass		
	1747.5	1	0	17.03	0.88	17.91	<=30	Pass	

16QAM	1717.5	36	38	17.22	0.88	18.10	<=30	Pass
			74	17.11	0.88	17.99	<=30	Pass
			0	16.10	0.88	16.98	<=30	Pass
		75	18	16.07	0.88	16.95	<=30	Pass
			39	16.21	0.88	17.09	<=30	Pass
			0	16.15	0.88	17.03	<=30	Pass
	1732.5	1	0	16.98	0.88	17.86	<=30	Pass
			38	16.85	0.88	17.73	<=30	Pass
			74	15.83	0.88	16.71	<=30	Pass
		36	0	15.70	0.88	16.58	<=30	Pass
			18	15.64	0.88	16.52	<=30	Pass
			39	15.35	0.88	16.23	<=30	Pass
	75	0	15.50	0.88	16.38	<=30	Pass	
	1747.5	1	0	16.65	0.88	17.53	<=30	Pass
			38	16.66	0.88	17.54	<=30	Pass
74			16.43	0.88	17.31	<=30	Pass	
36		0	14.77	0.88	15.65	<=30	Pass	
		18	14.97	0.88	15.85	<=30	Pass	
		39	14.89	0.88	15.77	<=30	Pass	
75	0	14.88	0.88	15.76	<=30	Pass		
1747.5	1	0	16.64	0.88	17.52	<=30	Pass	
		38	17.07	0.88	17.95	<=30	Pass	
		74	16.56	0.88	17.44	<=30	Pass	
	36	0	15.13	0.88	16.01	<=30	Pass	
		18	15.09	0.88	15.97	<=30	Pass	
		39	15.16	0.88	16.04	<=30	Pass	
75	0	15.06	0.88	15.94	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	17.44	0.88	18.32	<=30	Pass
			50	17.58	0.88	18.46	<=30	Pass
			99	16.70	0.88	17.58	<=30	Pass
		50	0	16.55	0.88	17.43	<=30	Pass
			25	16.45	0.88	17.33	<=30	Pass
			50	16.20	0.88	17.08	<=30	Pass
	100	0	16.48	0.88	17.36	<=30	Pass	
	1732.5	1	0	17.38	0.88	18.26	<=30	Pass
			50	17.26	0.88	18.14	<=30	Pass
			99	16.94	0.88	17.82	<=30	Pass
		50	0	16.04	0.88	16.92	<=30	Pass
			25	16.02	0.88	16.90	<=30	Pass
			50	15.91	0.88	16.79	<=30	Pass
	100	0	15.98	0.88	16.86	<=30	Pass	
	1745	1	0	16.80	0.88	17.68	<=30	Pass
			50	17.26	0.88	18.14	<=30	Pass
			99	17.16	0.88	18.04	<=30	Pass
		50	0	16.02	0.88	16.90	<=30	Pass
			25	16.10	0.88	16.98	<=30	Pass
			50	16.19	0.88	17.07	<=30	Pass
	100	0	16.07	0.88	16.95	<=30	Pass	

16QAM	1720	1	0	16.84	0.88	17.72	<=30	Pass	
			50	17.91	0.88	18.79	<=30	Pass	
			99	16.80	0.88	17.68	<=30	Pass	
		50	0	15.58	0.88	16.46	<=30	Pass	
			25	15.50	0.88	16.38	<=30	Pass	
			50	15.17	0.88	16.05	<=30	Pass	
		100	0	15.56	0.88	16.44	<=30	Pass	
		1732.5	1	0	16.44	0.88	17.32	<=30	Pass
				50	16.08	0.88	16.96	<=30	Pass
	99			15.57	0.88	16.45	<=30	Pass	
	50		0	14.96	0.88	15.84	<=30	Pass	
			25	15.05	0.88	15.93	<=30	Pass	
			50	14.87	0.88	15.75	<=30	Pass	
	100		0	14.86	0.88	15.74	<=30	Pass	
	1745		1	0	16.39	0.88	17.27	<=30	Pass
				50	16.78	0.88	17.66	<=30	Pass
		99		16.34	0.88	17.22	<=30	Pass	
		50	0	15.00	0.88	15.88	<=30	Pass	
			25	15.12	0.88	16.00	<=30	Pass	
			50	15.18	0.88	16.06	<=30	Pass	
		100	0	15.08	0.88	15.96	<=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	-1.960	-0.0011	-2.5 to 2.5	Pass	
					3.85	-3.476	-0.0020	-2.5 to 2.5	Pass	
					4.43	-3.204	-0.0019	-2.5 to 2.5	Pass	
				-30	3.85	-5.422	-0.0032	-2.5 to 2.5	Pass	
					-20	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
						-10	3.85	-4.406	-0.0026	-2.5 to 2.5
				0	3.85	-8.769	-0.0051	-2.5 to 2.5	Pass	
					10	3.85	-8.698	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass	
				40	3.85	-8.268	-0.0048	-2.5 to 2.5	Pass	
				50	3.85	-7.381	-0.0043	-2.5 to 2.5	Pass	
				1732.5	6	0	20	3.27	11.358	0.0066
	3.85	11.272	0.0065					-2.5 to 2.5	Pass	
	4.43	12.546	0.0072					-2.5 to 2.5	Pass	
	-30	3.85	13.847				0.0080	-2.5 to 2.5	Pass	
		-20	3.85				14.348	0.0083	-2.5 to 2.5	Pass
			-10				3.85	12.789	0.0074	-2.5 to 2.5
	0	3.85	-10.886				-0.0063	-2.5 to 2.5	Pass	
		10	3.85				-8.726	-0.0050	-2.5 to 2.5	Pass
	30	3.85	-8.397				-0.0048	-2.5 to 2.5	Pass	
	40	3.85	-9.913				-0.0057	-2.5 to 2.5	Pass	
	50	3.85	-9.441				-0.0054	-2.5 to 2.5	Pass	
	1754.3	6	0				20	3.27	6.466	0.0037
				3.85	7.052	0.0040		-2.5 to 2.5	Pass	

					4.43	4.563	0.0026	-2.5 to 2.5	Pass	
				-30	3.85	5.693	0.0032	-2.5 to 2.5	Pass	
				-20	3.85	3.762	0.0021	-2.5 to 2.5	Pass	
				-10	3.85	3.262	0.0019	-2.5 to 2.5	Pass	
				0	3.85	3.276	0.0019	-2.5 to 2.5	Pass	
				10	3.85	2.275	0.0013	-2.5 to 2.5	Pass	
				30	3.85	2.260	0.0013	-2.5 to 2.5	Pass	
				40	3.85	1.273	0.0007	-2.5 to 2.5	Pass	
				50	3.85	1.230	0.0007	-2.5 to 2.5	Pass	
16QAM	1710.7	6	0	20	3.27	-7.682	-0.0045	-2.5 to 2.5	Pass	
					3.85	-7.524	-0.0044	-2.5 to 2.5	Pass	
					4.43	-8.340	-0.0049	-2.5 to 2.5	Pass	
				-30	3.85	-7.582	-0.0044	-2.5 to 2.5	Pass	
					-20	3.85	-8.955	-0.0052	-2.5 to 2.5	Pass
					-10	3.85	-7.796	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-7.181	-0.0042	-2.5 to 2.5	Pass	
					10	3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
					30	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
	40	3.85	-6.008	-0.0035	-2.5 to 2.5	Pass				
		50	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass			
			20	3.27	-12.360	-0.0071	-2.5 to 2.5	Pass		
	3.85			-10.486	-0.0061	-2.5 to 2.5	Pass			
	4.43	-11.702		-0.0068	-2.5 to 2.5	Pass				
	-30	3.85	-10.200	-0.0059	-2.5 to 2.5	Pass				
		-20	3.85	-11.458	-0.0066	-2.5 to 2.5	Pass			
		-10	3.85	-7.997	-0.0046	-2.5 to 2.5	Pass			
	0	3.85	-7.710	-0.0045	-2.5 to 2.5	Pass				
		10	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass			
		30	3.85	-6.309	-0.0036	-2.5 to 2.5	Pass			
	40	3.85	-7.267	-0.0042	-2.5 to 2.5	Pass				
		50	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass			
			20	3.27	0.715	0.0004	-2.5 to 2.5	Pass		
	3.85			1.144	0.0007	-2.5 to 2.5	Pass			
	4.43	0.100		0.0001	-2.5 to 2.5	Pass				
	-30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass				
		-20	3.85	0.243	0.0001	-2.5 to 2.5	Pass			
-10		3.85	1.302	0.0007	-2.5 to 2.5	Pass				
0	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass					
	10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass				
	30	3.85	-2.189	-0.0012	-2.5 to 2.5	Pass				
40	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass					
	50	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass				

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1711.5	15	0	20	3.27	0.529	0.0003	-2.5 to 2.5	Pass	
					3.85	1.345	0.0008	-2.5 to 2.5	Pass	
					4.43	1.001	0.0006	-2.5 to 2.5	Pass	
				-30	3.85	1.802	0.0011	-2.5 to 2.5	Pass	
					-20	3.85	0.687	0.0004	-2.5 to 2.5	Pass
					-10	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.702	0.0010	-2.5 to 2.5	Pass	

				10	3.85	1.488	0.0009	-2.5 to 2.5	Pass	
				30	3.85	2.074	0.0012	-2.5 to 2.5	Pass	
				40	3.85	0.644	0.0004	-2.5 to 2.5	Pass	
				50	3.85	0.987	0.0006	-2.5 to 2.5	Pass	
	1732.5	15	0	20	3.27	0.515	0.0003	-2.5 to 2.5	Pass	
					3.85	1.359	0.0008	-2.5 to 2.5	Pass	
					4.43	1.059	0.0006	-2.5 to 2.5	Pass	
				-30	3.85	2.346	0.0014	-2.5 to 2.5	Pass	
				-20	3.85	0.787	0.0005	-2.5 to 2.5	Pass	
				-10	3.85	0.300	0.0002	-2.5 to 2.5	Pass	
				0	3.85	1.574	0.0009	-2.5 to 2.5	Pass	
				10	3.85	0.772	0.0004	-2.5 to 2.5	Pass	
				30	3.85	1.502	0.0009	-2.5 to 2.5	Pass	
				40	3.85	0.186	0.0001	-2.5 to 2.5	Pass	
				50	3.85	0.987	0.0006	-2.5 to 2.5	Pass	
				1753.5	15	0	20	3.27	3.033	0.0017
	3.85	2.117	0.0012					-2.5 to 2.5	Pass	
	4.43	2.661	0.0015					-2.5 to 2.5	Pass	
	-30	3.85	2.103				0.0012	-2.5 to 2.5	Pass	
	-20	3.85	2.332				0.0013	-2.5 to 2.5	Pass	
	-10	3.85	2.060				0.0012	-2.5 to 2.5	Pass	
	0	3.85	2.446				0.0014	-2.5 to 2.5	Pass	
	10	3.85	1.101				0.0006	-2.5 to 2.5	Pass	
	30	3.85	0.844				0.0005	-2.5 to 2.5	Pass	
	40	3.85	2.346				0.0013	-2.5 to 2.5	Pass	
	50	3.85	1.974				0.0011	-2.5 to 2.5	Pass	
	16QAM	1711.5	15				0	20	3.27	2.203
				3.85	0.429	0.0003			-2.5 to 2.5	Pass
				4.43	0.629	0.0004			-2.5 to 2.5	Pass
				-30	3.85	-0.572		-0.0003	-2.5 to 2.5	Pass
-20				3.85	0.601	0.0004		-2.5 to 2.5	Pass	
-10				3.85	0.601	0.0004		-2.5 to 2.5	Pass	
0				3.85	0.958	0.0006		-2.5 to 2.5	Pass	
10				3.85	0.515	0.0003		-2.5 to 2.5	Pass	
30				3.85	0.744	0.0004		-2.5 to 2.5	Pass	
40				3.85	0.815	0.0005		-2.5 to 2.5	Pass	
50				3.85	-0.157	-0.0001		-2.5 to 2.5	Pass	
1732.5				15	0	20		3.27	1.831	0.0011
		3.85	1.388				0.0008	-2.5 to 2.5	Pass	
		4.43	1.073				0.0006	-2.5 to 2.5	Pass	
		-30	3.85			0.887	0.0005	-2.5 to 2.5	Pass	
		-20	3.85			1.531	0.0009	-2.5 to 2.5	Pass	
		-10	3.85			2.189	0.0013	-2.5 to 2.5	Pass	
		0	3.85			0.243	0.0001	-2.5 to 2.5	Pass	
		10	3.85			1.645	0.0009	-2.5 to 2.5	Pass	
		30	3.85			0.200	0.0001	-2.5 to 2.5	Pass	
		40	3.85			1.545	0.0009	-2.5 to 2.5	Pass	
		50	3.85			0.901	0.0005	-2.5 to 2.5	Pass	
		1753.5	15			0	20	3.27	1.159	0.0007
3.85				2.089	0.0012			-2.5 to 2.5	Pass	
4.43				2.618	0.0015			-2.5 to 2.5	Pass	
-30				3.85	1.931		0.0011	-2.5 to 2.5	Pass	
-20				3.85	1.874		0.0011	-2.5 to 2.5	Pass	
-10				3.85	2.460		0.0014	-2.5 to 2.5	Pass	
0				3.85	0.944		0.0005	-2.5 to 2.5	Pass	
10				3.85	1.130		0.0006	-2.5 to 2.5	Pass	
30	3.85			2.074	0.0012		-2.5 to 2.5	Pass		
40	3.85			1.788	0.0010		-2.5 to 2.5	Pass		
50	3.85			1.731	0.0010		-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	2.718	0.0016	-2.5 to 2.5	Pass
					3.85	4.592	0.0027	-2.5 to 2.5	Pass
					4.43	2.146	0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				-20	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.687	0.0004	-2.5 to 2.5	Pass
	50	3.85	2.317	0.0014	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.27	0.772	0.0004	-2.5 to 2.5	Pass
					3.85	1.187	0.0007	-2.5 to 2.5	Pass
					4.43	2.174	0.0013	-2.5 to 2.5	Pass
				-30	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.988	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.187	0.0007	-2.5 to 2.5	Pass
	50	3.85	1.402	0.0008	-2.5 to 2.5	Pass			
	1752.5	25	0	20	3.27	-1.402	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.717	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
30				3.85	-2.489	-0.0014	-2.5 to 2.5	Pass	
40				3.85	-1.202	-0.0007	-2.5 to 2.5	Pass	
50	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass				
16QAM	1712.5	25	0	20	3.27	2.117	0.0012	-2.5 to 2.5	Pass
					3.85	2.031	0.0012	-2.5 to 2.5	Pass
					4.43	1.273	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.459	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				40	3.85	0.157	0.0001	-2.5 to 2.5	Pass
	50	3.85	2.031	0.0012	-2.5 to 2.5	Pass			
	1732.5	25	0	20	3.27	0.930	0.0005	-2.5 to 2.5	Pass
					3.85	0.944	0.0005	-2.5 to 2.5	Pass
					4.43	1.202	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.488	0.0009	-2.5 to 2.5	Pass

				-10	3.85	1.888	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				10	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				30	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				40	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.072	0.0000	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-1.774	-0.0010	-2.5 to 2.5	Pass
					3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
					4.43	-0.443	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.730	-0.0004	-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	-2.804	-0.0016	-2.5 to 2.5	Pass
					3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.475	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-4.377	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				1732.5	50	0	20	3.27	-0.715
	3.85	-0.172	-0.0001					-2.5 to 2.5	Pass
	4.43	-0.200	-0.0001					-2.5 to 2.5	Pass
	-30	3.85	0.215				0.0001	-2.5 to 2.5	Pass
	-20	3.85	0.000				0.0000	-2.5 to 2.5	Pass
	-10	3.85	-0.215				-0.0001	-2.5 to 2.5	Pass
	0	3.85	0.129				0.0001	-2.5 to 2.5	Pass
	10	3.85	-0.472				-0.0003	-2.5 to 2.5	Pass
	30	3.85	-0.887				-0.0005	-2.5 to 2.5	Pass
	40	3.85	-0.401				-0.0002	-2.5 to 2.5	Pass
	50	3.85	0.200				0.0001	-2.5 to 2.5	Pass
	1750	50	0				20	3.27	2.546
				3.85	1.101	0.0006		-2.5 to 2.5	Pass
				4.43	2.303	0.0013		-2.5 to 2.5	Pass
				-30	3.85	2.246	0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				-10	3.85	2.832	0.0016	-2.5 to 2.5	Pass
				0	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				10	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				30	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.373	0.0008	-2.5 to 2.5	Pass

16QAM	1715	50	0	50	3.85	1.731	0.0010	-2.5 to 2.5	Pass		
				20	3.27	-2.904	-0.0017	-2.5 to 2.5	Pass		
					3.85	-3.390	-0.0020	-2.5 to 2.5	Pass		
					4.43	-1.760	-0.0010	-2.5 to 2.5	Pass		
				-30	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass		
	-20	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass					
	-10	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass					
	0	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass					
	10	3.85	-3.920	-0.0023	-2.5 to 2.5	Pass					
	30	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass					
	40	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass					
	50	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass					
	1732.5	50	0								
				20	3.27	0.129	0.0001	-2.5 to 2.5	Pass		
					3.85	0.186	0.0001	-2.5 to 2.5	Pass		
					4.43	-0.358	-0.0002	-2.5 to 2.5	Pass		
-30				3.85	0.086	0.0000	-2.5 to 2.5	Pass			
-20				3.85	-0.873	-0.0005	-2.5 to 2.5	Pass			
-10	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass						
0	3.85	1.259	0.0007	-2.5 to 2.5	Pass						
10	3.85	0.544	0.0003	-2.5 to 2.5	Pass						
30	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass						
40	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass						
50	3.85	1.059	0.0006	-2.5 to 2.5	Pass						
1750	50	0									
			20	3.27	1.845	0.0011	-2.5 to 2.5	Pass			
				3.85	1.087	0.0006	-2.5 to 2.5	Pass			
				4.43	3.119	0.0018	-2.5 to 2.5	Pass			
			-30	3.85	2.260	0.0013	-2.5 to 2.5	Pass			
			-20	3.85	0.801	0.0005	-2.5 to 2.5	Pass			
-10	3.85	2.089	0.0012	-2.5 to 2.5	Pass						
0	3.85	1.159	0.0007	-2.5 to 2.5	Pass						
10	3.85	0.772	0.0004	-2.5 to 2.5	Pass						
30	3.85	0.014	0.0000	-2.5 to 2.5	Pass						
40	3.85	2.046	0.0012	-2.5 to 2.5	Pass						
50	3.85	1.931	0.0011	-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	0.587	0.0003	-2.5 to 2.5	Pass			
						3.85	0.787	0.0005	-2.5 to 2.5	Pass		
						4.43	0.730	0.0004	-2.5 to 2.5	Pass		
				-30	3.85	0.601	0.0003	-2.5 to 2.5	Pass			
				-20	3.85	1.330	0.0008	-2.5 to 2.5	Pass			
				-10	3.85	0.730	0.0004	-2.5 to 2.5	Pass			
	0	3.85	0.587	0.0003	-2.5 to 2.5	Pass						
	10	3.85	0.744	0.0004	-2.5 to 2.5	Pass						
30	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass							
40	3.85	0.815	0.0005	-2.5 to 2.5	Pass							
50	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass							
1732.5	75	0	0	20	3.27	-0.658	-0.0004	-2.5 to 2.5	Pass			
						3.85	-0.758	-0.0004	-2.5 to 2.5	Pass		
						4.43	-0.114	-0.0001	-2.5 to 2.5	Pass		
				-30	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass			

				-20	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
	50	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass			
	1747.5	75	0	20	3.27	-0.229	-0.0001	-2.5 to 2.5	Pass
					3.85	1.316	0.0008	-2.5 to 2.5	Pass
					4.43	1.116	0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.173	0.0007	-2.5 to 2.5	Pass
		0	3.85	1.187	0.0007	-2.5 to 2.5	Pass		
		10	3.85	1.059	0.0006	-2.5 to 2.5	Pass		
		30	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass		
		40	3.85	0.000	0.0000	-2.5 to 2.5	Pass		
		50	3.85	0.186	0.0001	-2.5 to 2.5	Pass		
16QAM		1717.5	75	0	20	3.27	0.300	0.0002	-2.5 to 2.5
	3.85					-0.229	-0.0001	-2.5 to 2.5	Pass
	4.43					-0.215	-0.0001	-2.5 to 2.5	Pass
	-30				3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
	-20				3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
	-10				3.85	0.157	0.0001	-2.5 to 2.5	Pass
	0	3.85	0.300	0.0002	-2.5 to 2.5	Pass			
	10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass			
	30	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass			
	40	3.85	0.243	0.0001	-2.5 to 2.5	Pass			
	50	3.85	0.229	0.0001	-2.5 to 2.5	Pass			
	1732.5	75	0	20	3.27	0.186	0.0001	-2.5 to 2.5	Pass
					3.85	0.372	0.0002	-2.5 to 2.5	Pass
					4.43	0.644	0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
	0	3.85	0.973	0.0006	-2.5 to 2.5	Pass			
10	3.85	0.315	0.0002	-2.5 to 2.5	Pass				
30	3.85	0.501	0.0003	-2.5 to 2.5	Pass				
40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass				
50	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass				
1747.5	75	0	20	3.27	1.030	0.0006	-2.5 to 2.5	Pass	
				3.85	0.529	0.0003	-2.5 to 2.5	Pass	
				4.43	1.187	0.0007	-2.5 to 2.5	Pass	
			-30	3.85	0.587	0.0003	-2.5 to 2.5	Pass	
			-20	3.85	0.386	0.0002	-2.5 to 2.5	Pass	
			-10	3.85	0.415	0.0002	-2.5 to 2.5	Pass	
0	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass				
10	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass				
30	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass				
40	3.85	0.844	0.0005	-2.5 to 2.5	Pass				
50	3.85	0.916	0.0005	-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	2.532	0.0015	-2.5 to 2.5	Pass
					3.85	1.302	0.0008	-2.5 to 2.5	Pass
					4.43	1.316	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				-20	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.103	0.0012	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				30	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0007	-2.5 to 2.5	Pass
	50	3.85	2.074	0.0012	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	-0.715	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
					4.43	-0.200	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
	50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-2.675	-0.0015	-2.5 to 2.5	Pass
					3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
30				3.85	-2.904	-0.0017	-2.5 to 2.5	Pass	
40				3.85	-3.591	-0.0021	-2.5 to 2.5	Pass	
50	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass				
16QAM	1720	100	0	20	3.27	1.245	0.0007	-2.5 to 2.5	Pass
					3.85	1.245	0.0007	-2.5 to 2.5	Pass
					4.43	0.601	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.173	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.830	0.0005	-2.5 to 2.5	Pass
	50	3.85	0.772	0.0004	-2.5 to 2.5	Pass			
	1732.5	100	0	20	3.27	0.458	0.0003	-2.5 to 2.5	Pass
					3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.016	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				10	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
	50	3.85	0.458	0.0003	-2.5 to 2.5	Pass			
	1745	100	0	20	3.27	-1.788	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.419	-0.0020	-2.5 to 2.5	Pass

					4.43	-3.562	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-3.047	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass

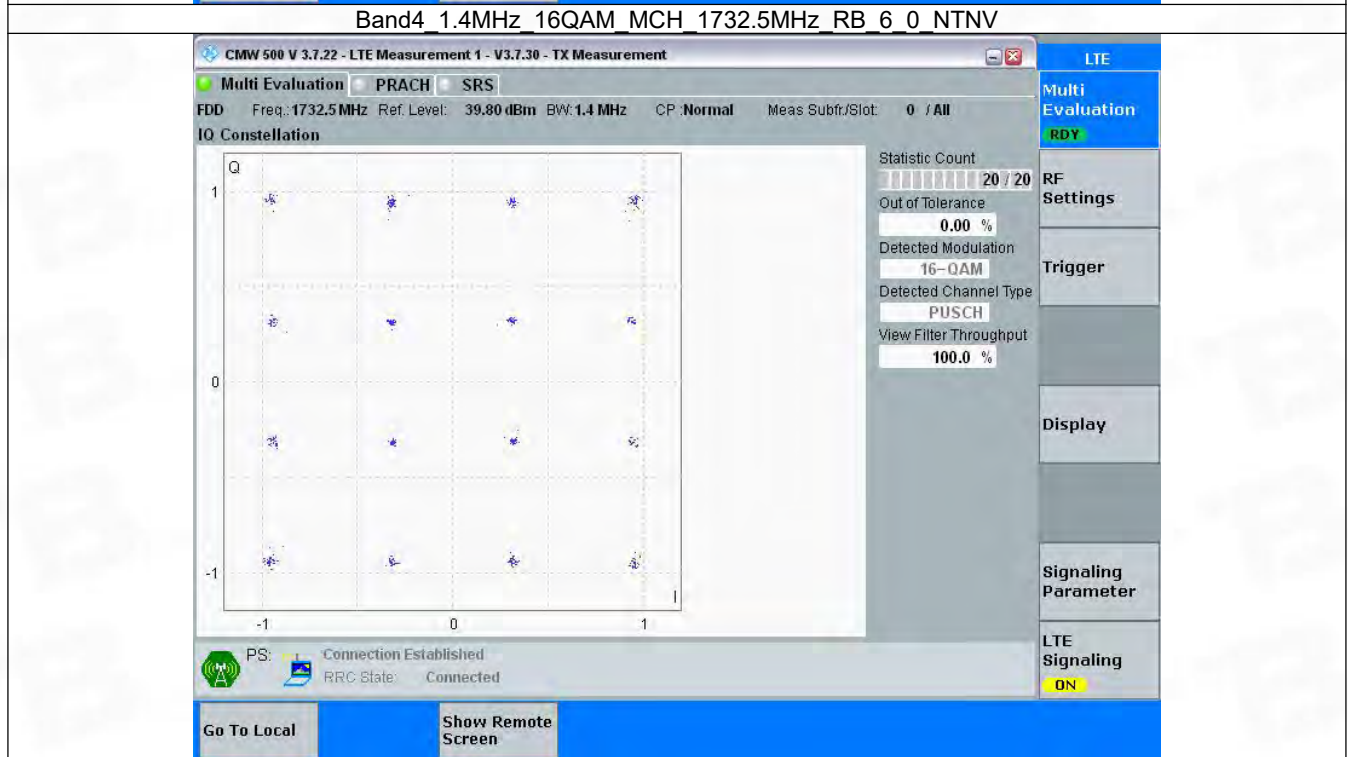
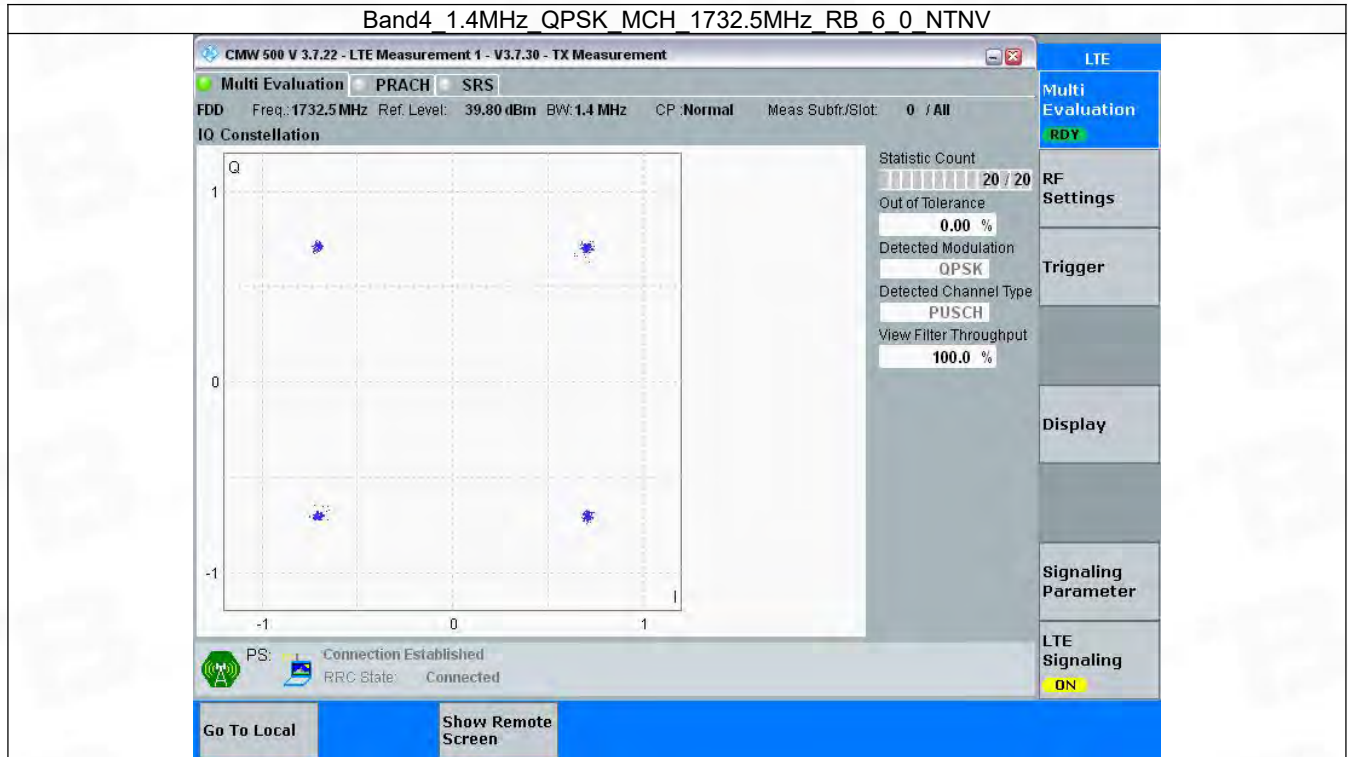
3. Modulation Characteristics

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

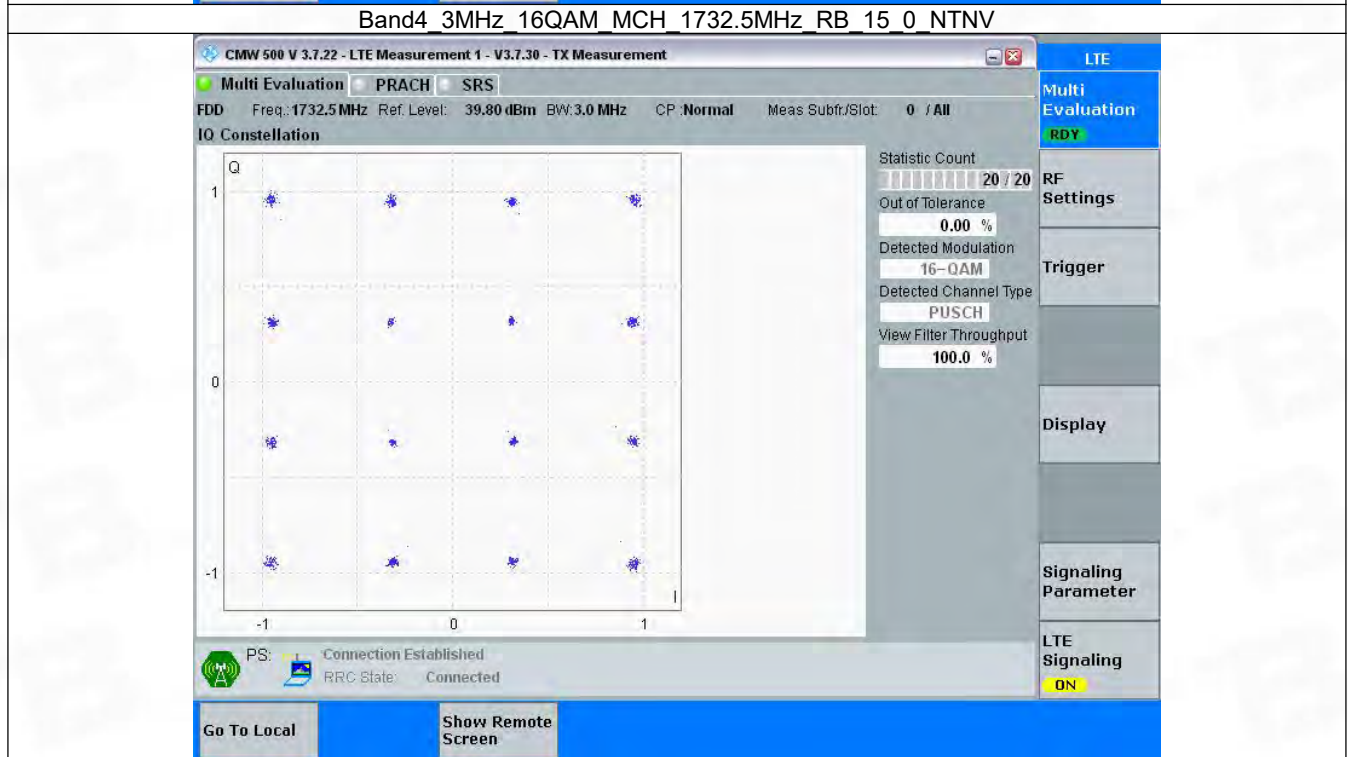
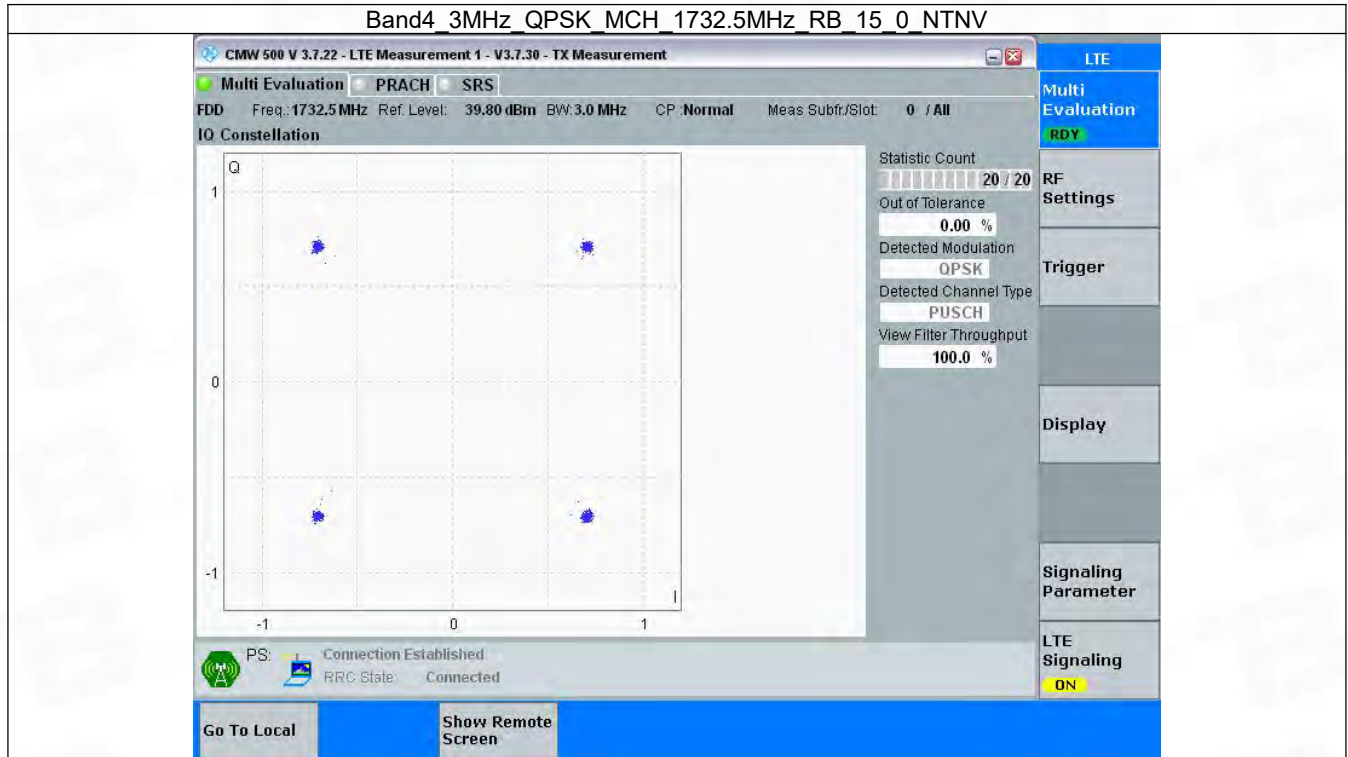


3.2 B4_3MHz

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

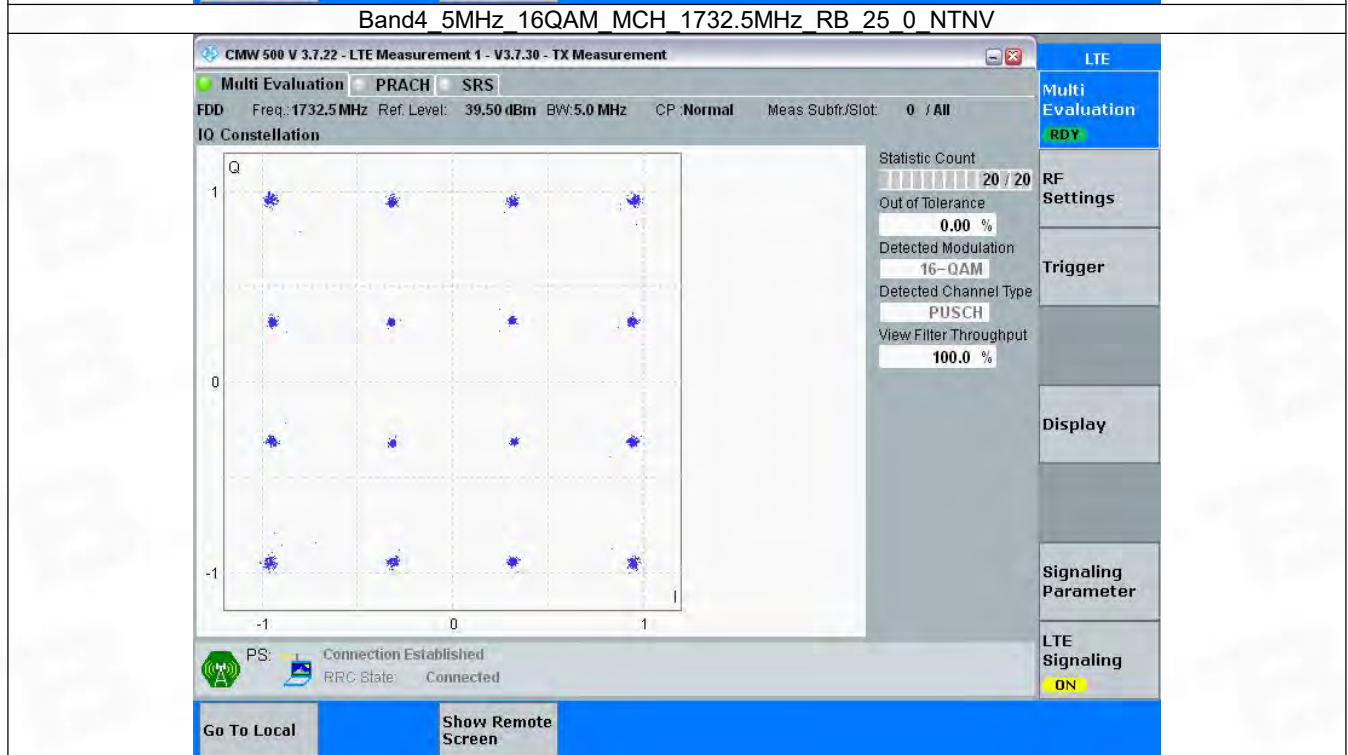
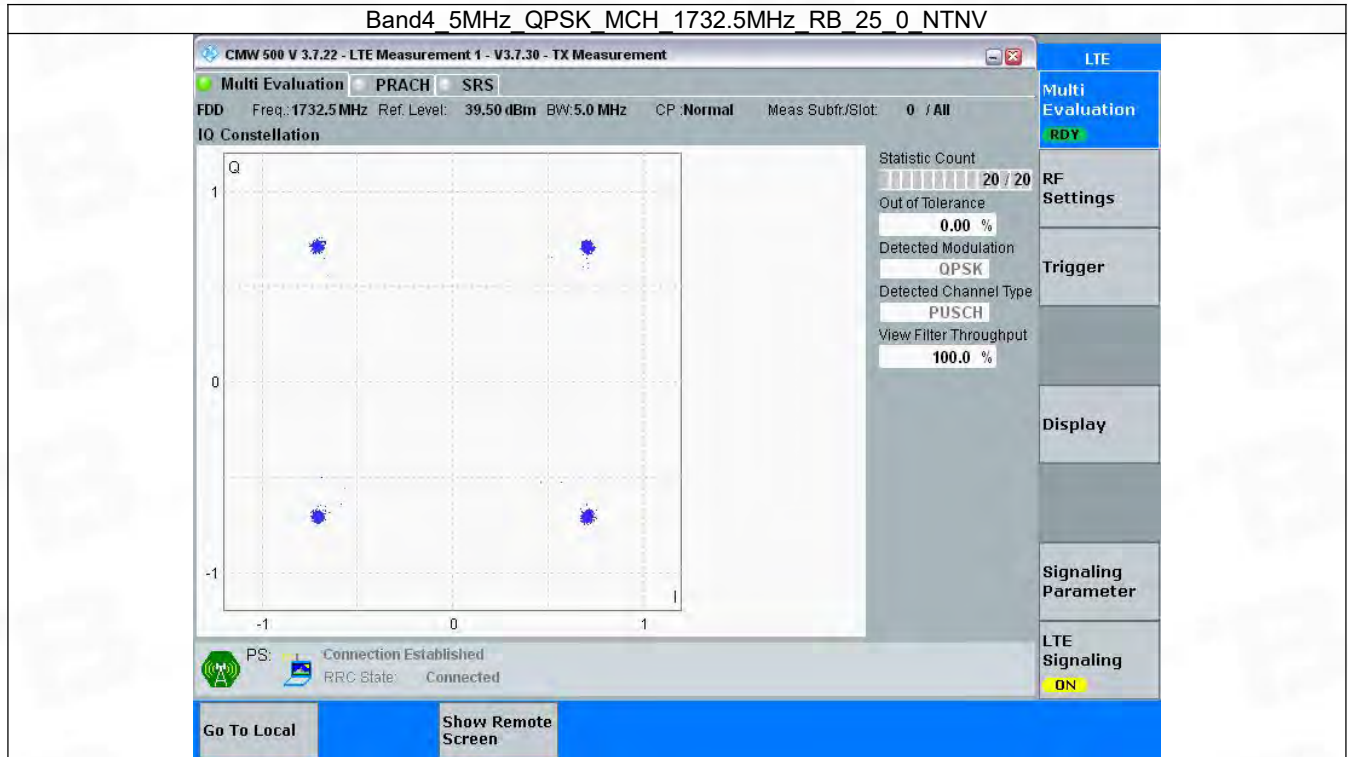


3.3 B4_5MHz

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

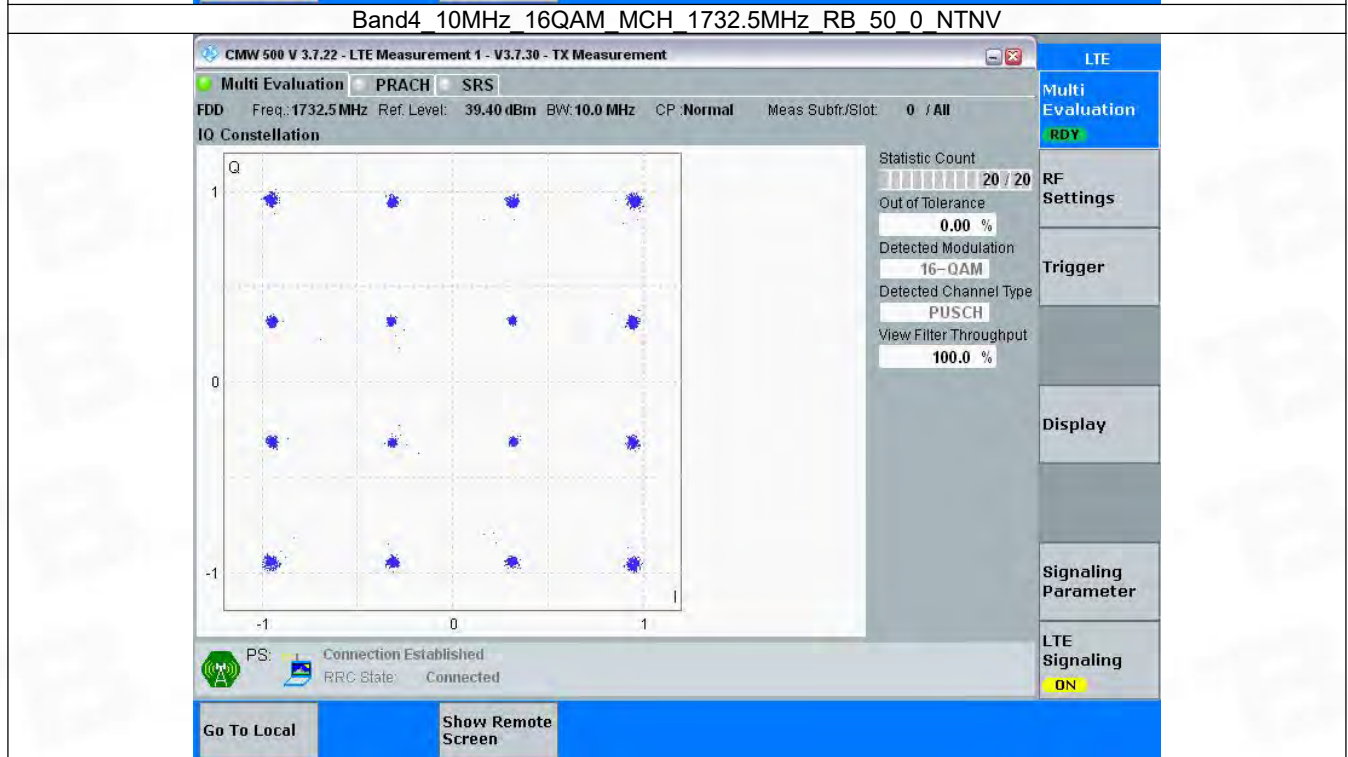
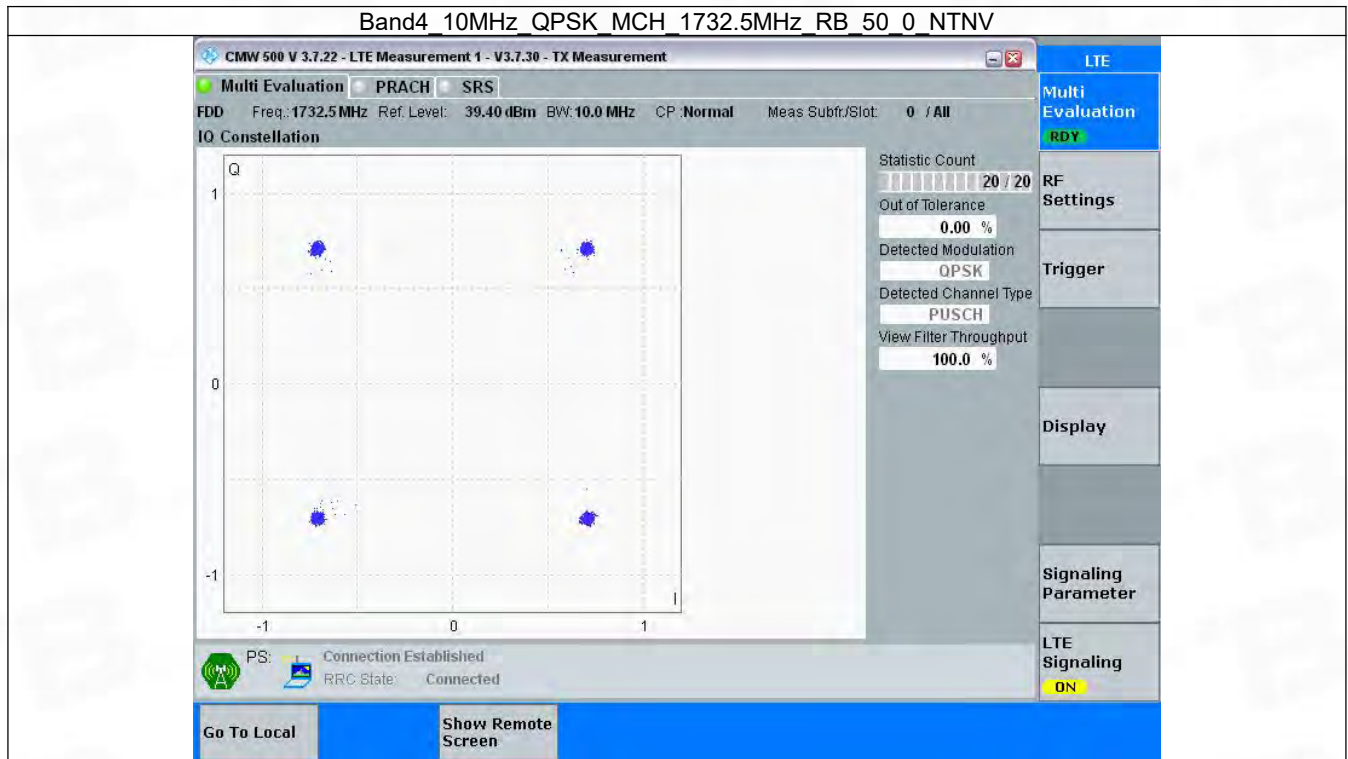


3.4 B4_10MHz

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

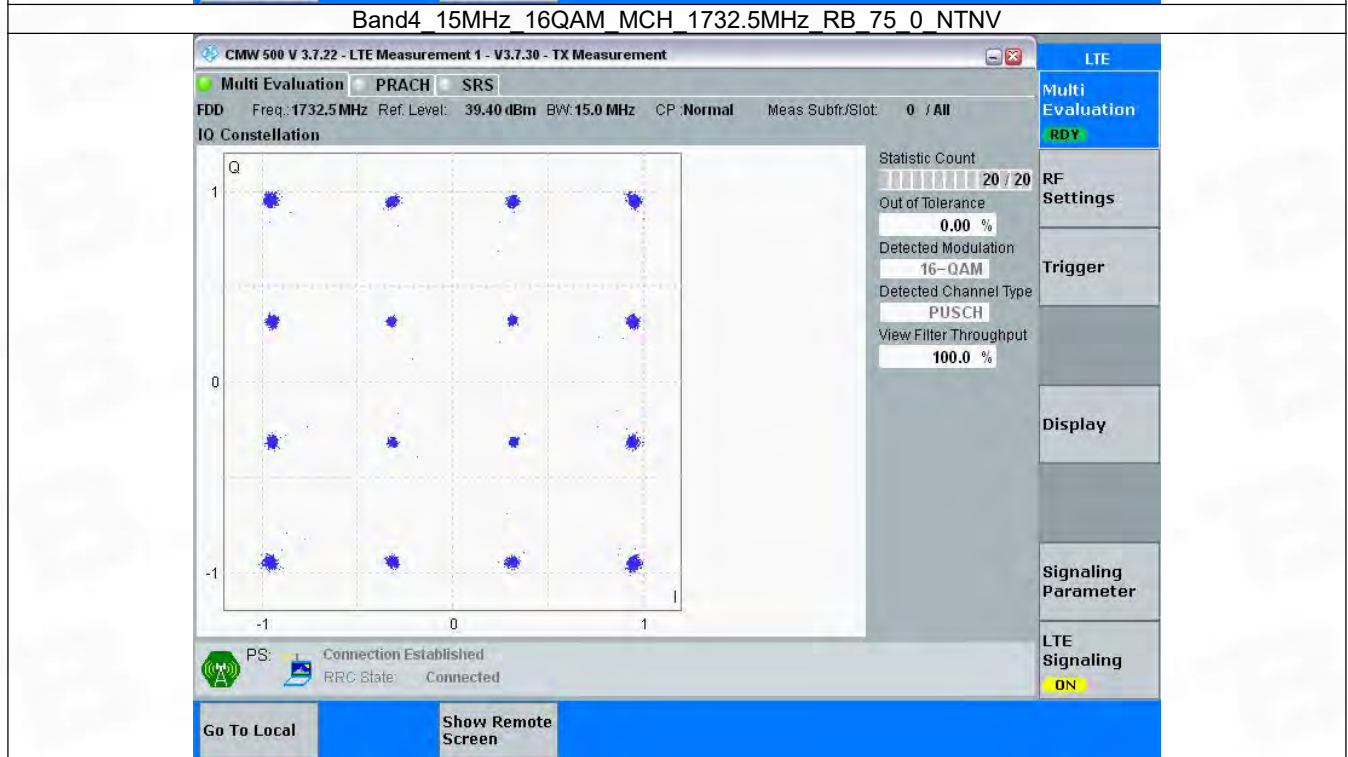
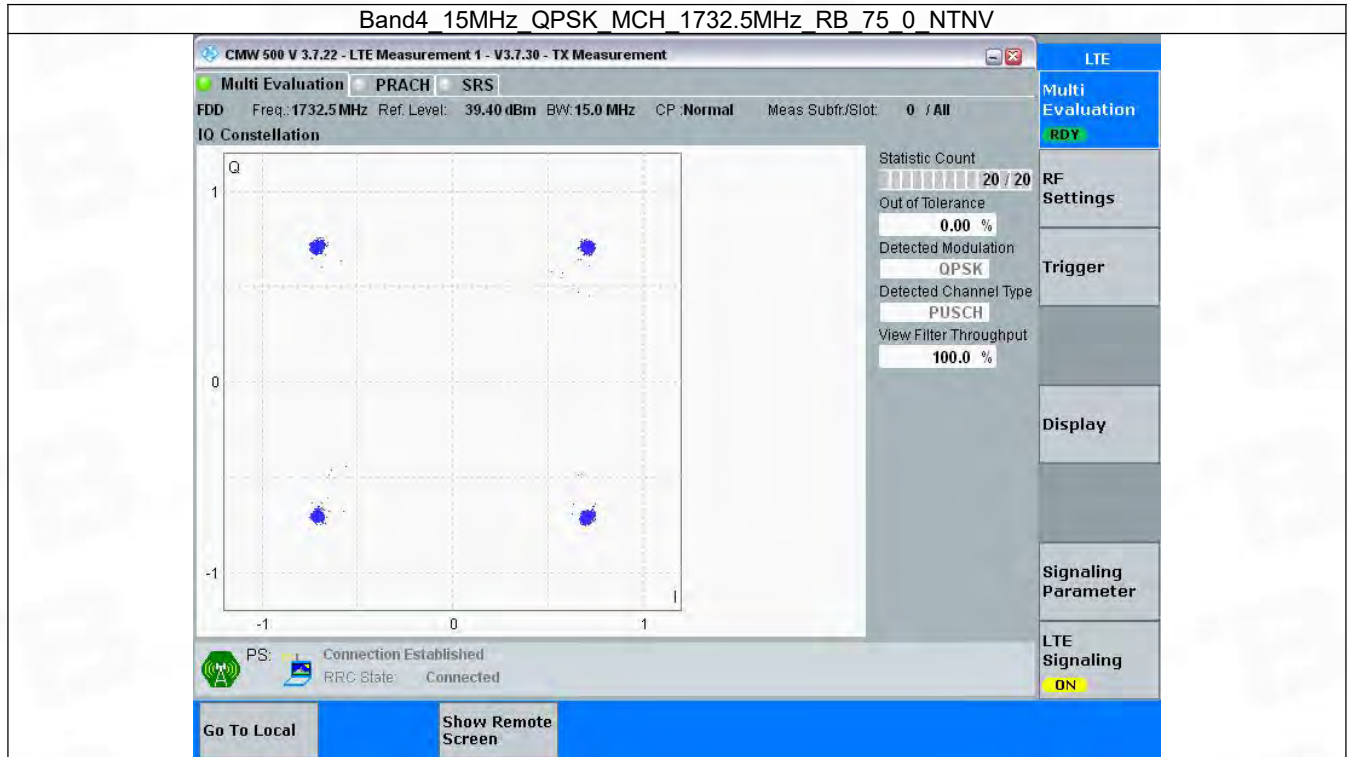


3.5 B4_15MHz

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

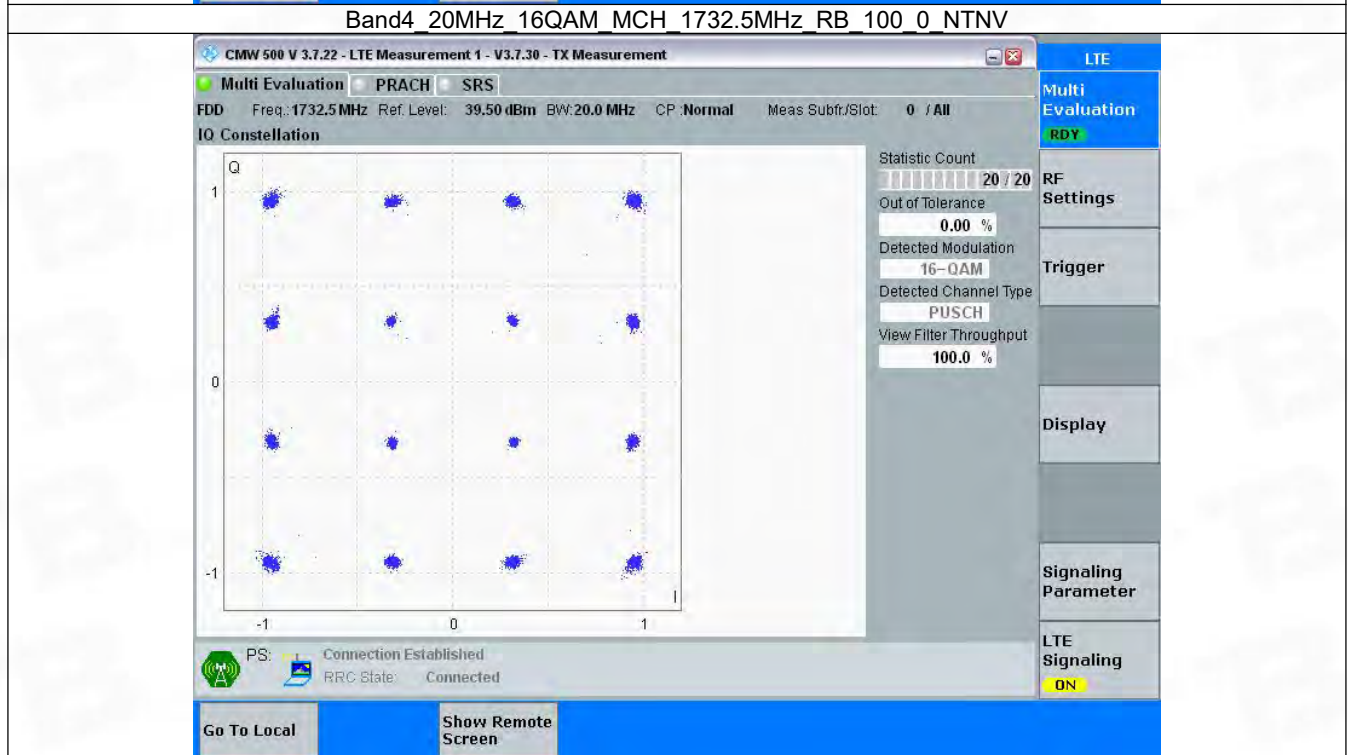
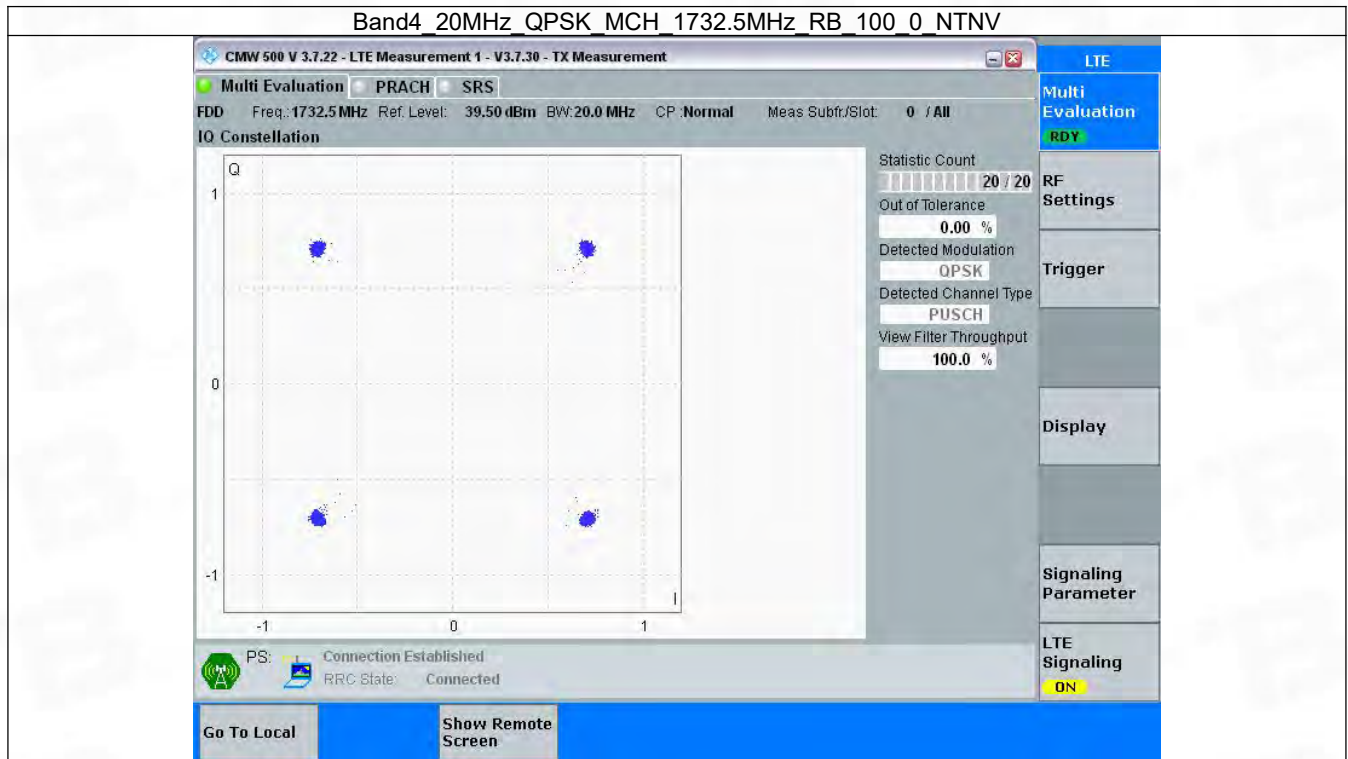


3.6 B4_20MHz

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



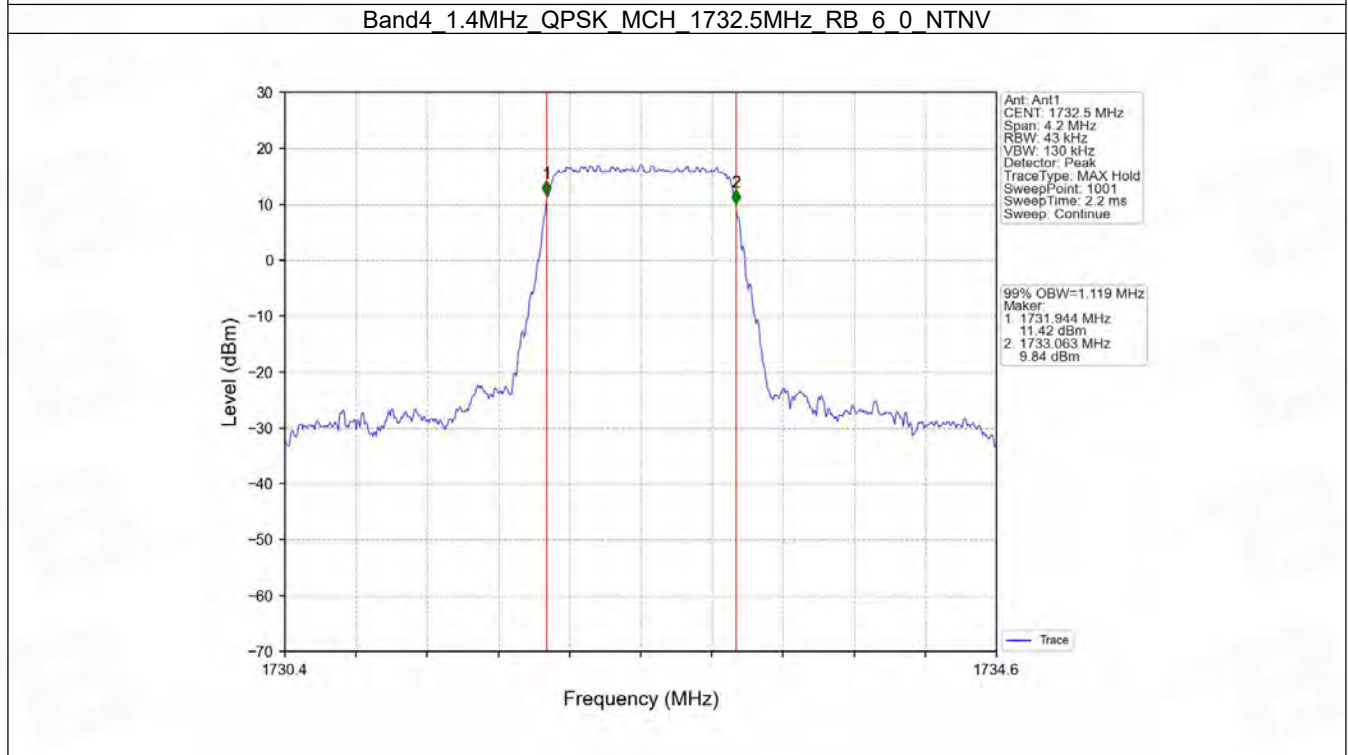
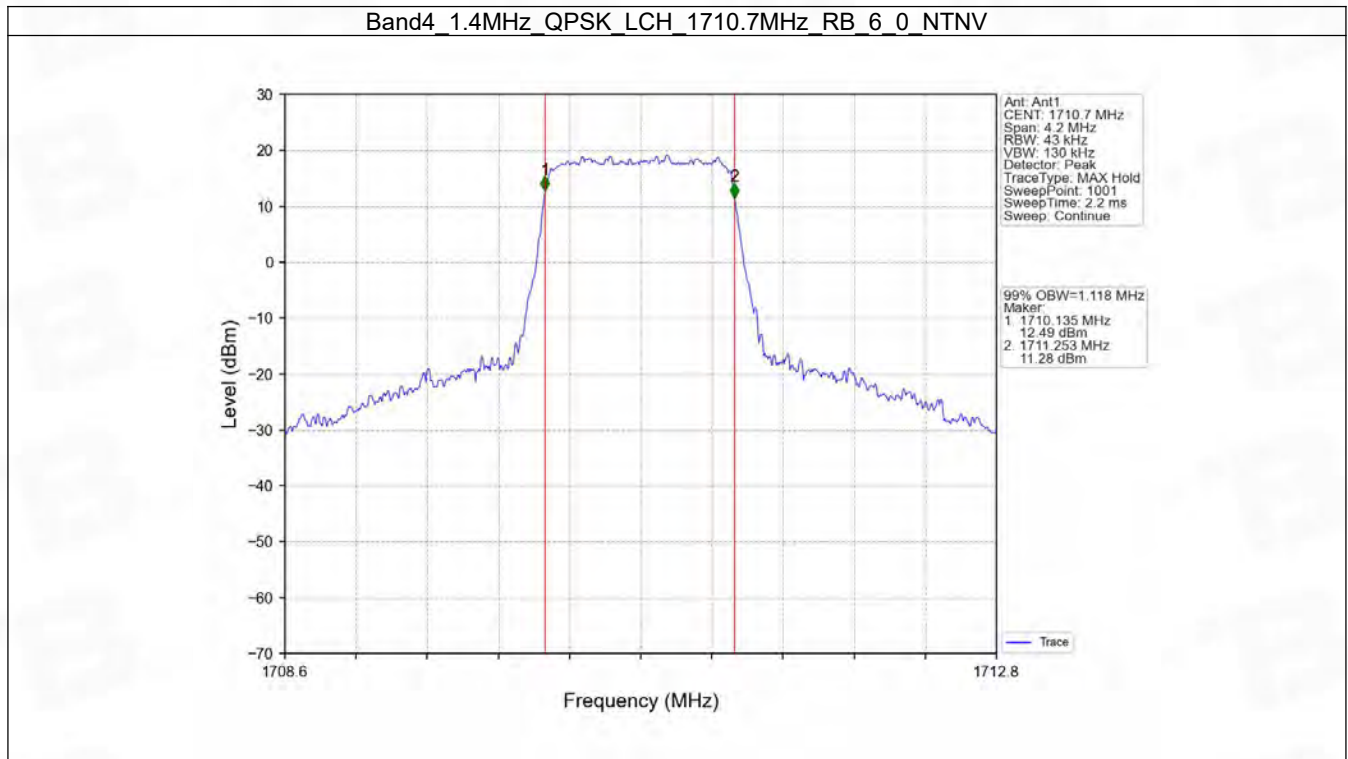
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

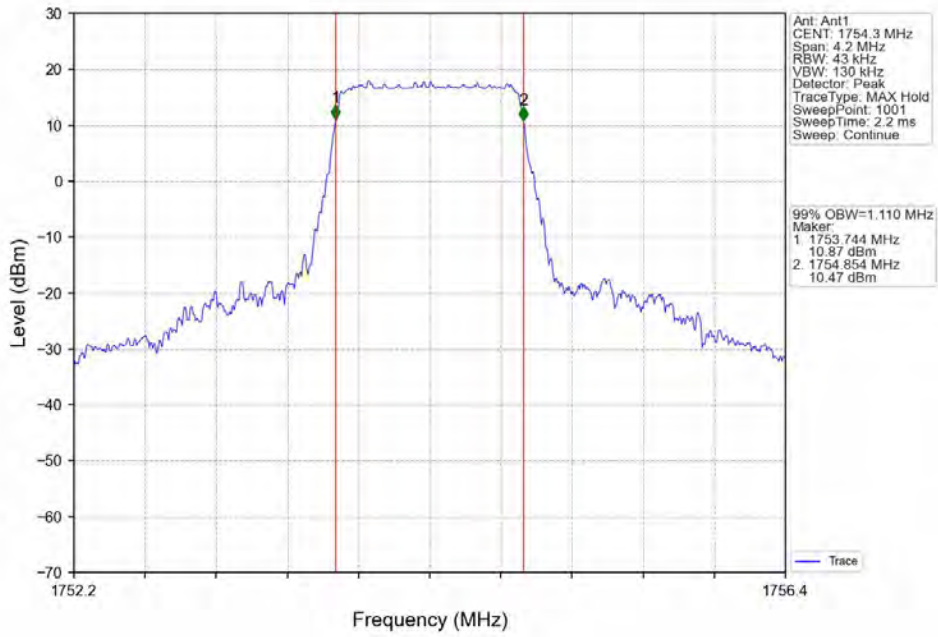
4.1.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.118	/	Pass
		1732.5	6	0	1.119	/	Pass
		1754.3	6	0	1.110	/	Pass
	16QAM	1710.7	6	0	1.114	/	Pass
		1732.5	6	0	1.106	/	Pass
		1754.3	6	0	1.105	/	Pass
3	QPSK	1711.5	15	0	2.743	/	Pass
		1732.5	15	0	2.753	/	Pass
		1753.5	15	0	2.750	/	Pass
	16QAM	1711.5	15	0	2.756	/	Pass
		1732.5	15	0	2.740	/	Pass
		1753.5	15	0	2.734	/	Pass
5	QPSK	1712.5	25	0	4.548	/	Pass
		1732.5	25	0	4.536	/	Pass
		1752.5	25	0	4.566	/	Pass
	16QAM	1712.5	25	0	4.544	/	Pass
		1732.5	25	0	4.552	/	Pass
		1752.5	25	0	4.539	/	Pass
10	QPSK	1715	50	0	9.018	/	Pass
		1732.5	50	0	9.022	/	Pass
		1750	50	0	9.035	/	Pass
	16QAM	1715	50	0	9.039	/	Pass
		1732.5	50	0	9.029	/	Pass
		1750	50	0	8.994	/	Pass
15	QPSK	1717.5	75	0	13.517	/	Pass
		1732.5	75	0	13.512	/	Pass
		1747.5	75	0	13.531	/	Pass
	16QAM	1717.5	75	0	13.521	/	Pass
		1732.5	75	0	13.542	/	Pass
		1747.5	75	0	13.549	/	Pass
20	QPSK	1720	100	0	18.004	/	Pass
		1732.5	100	0	18.066	/	Pass
		1745	100	0	18.061	/	Pass
	16QAM	1720	100	0	18.027	/	Pass
		1732.5	100	0	18.107	/	Pass
		1745	100	0	18.052	/	Pass

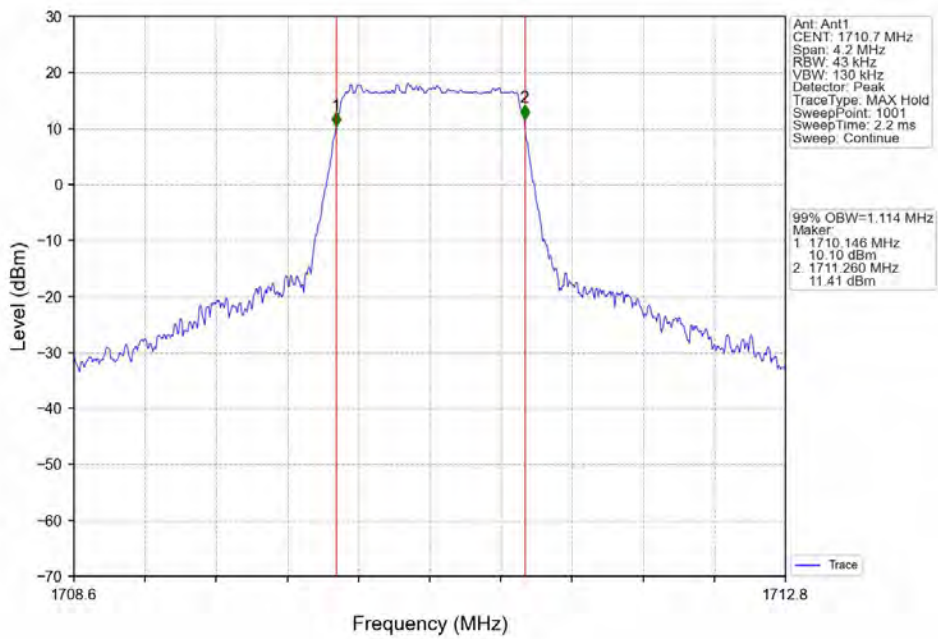
4.1.2 Test Graph



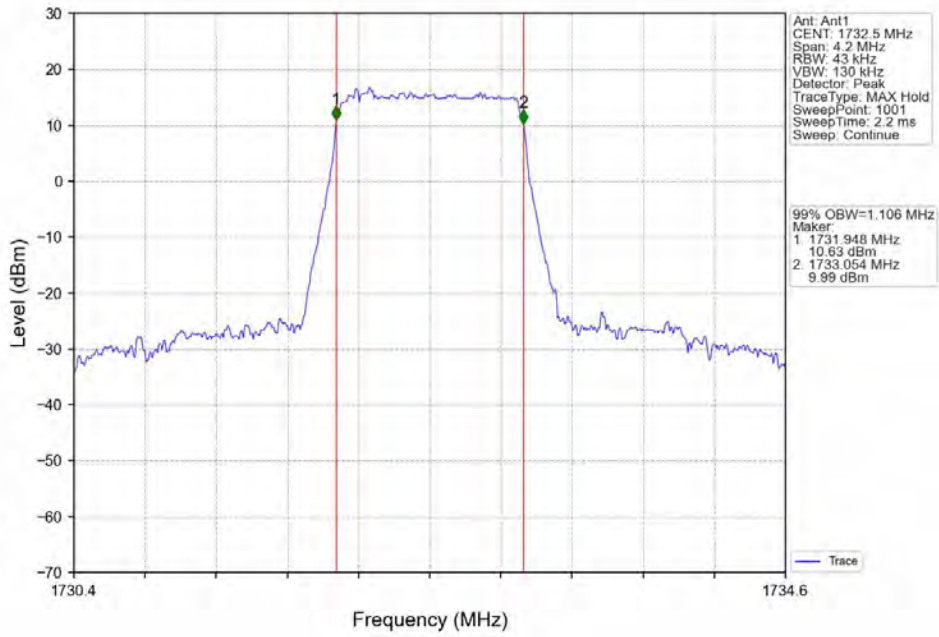
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



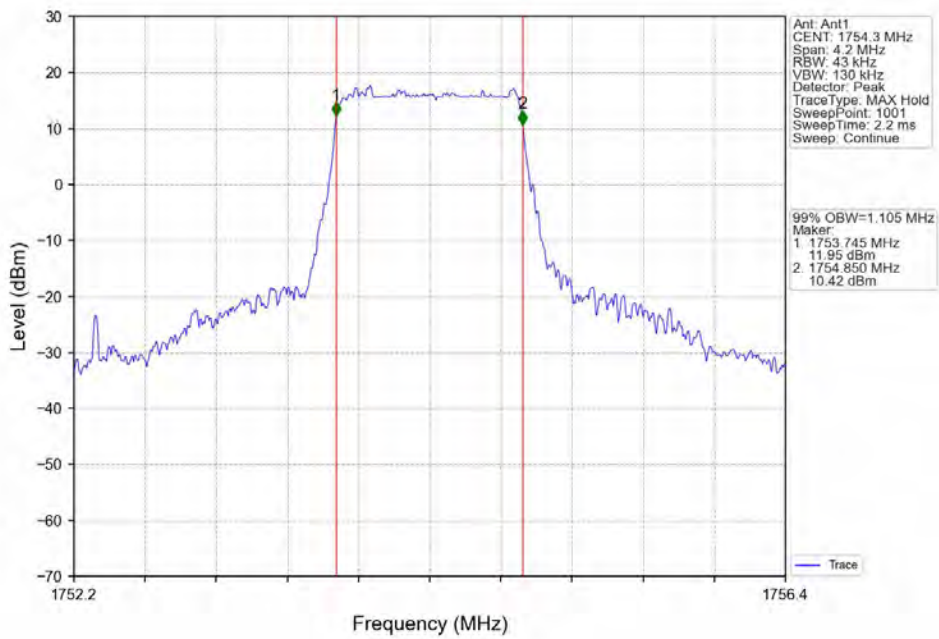
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



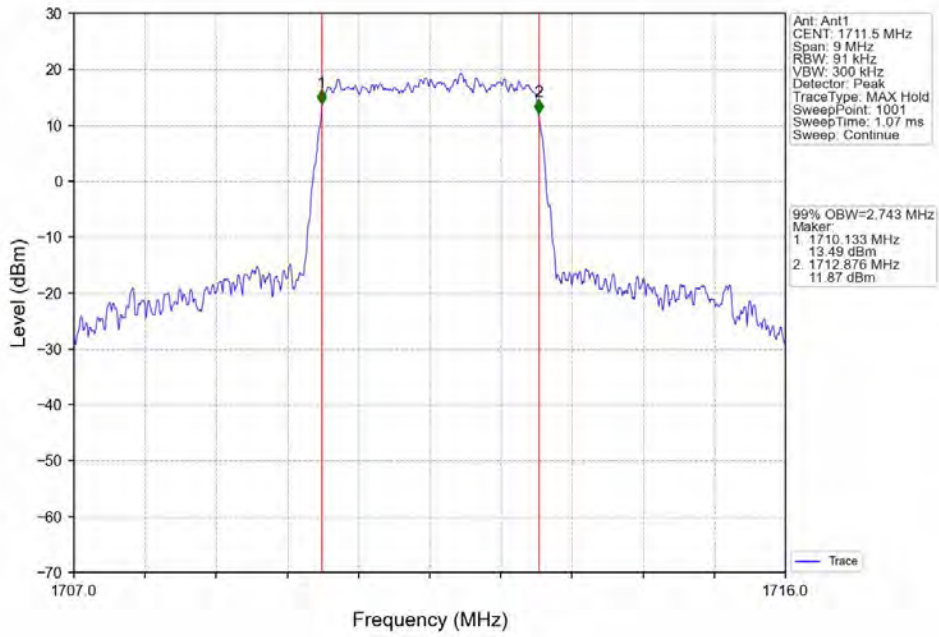
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



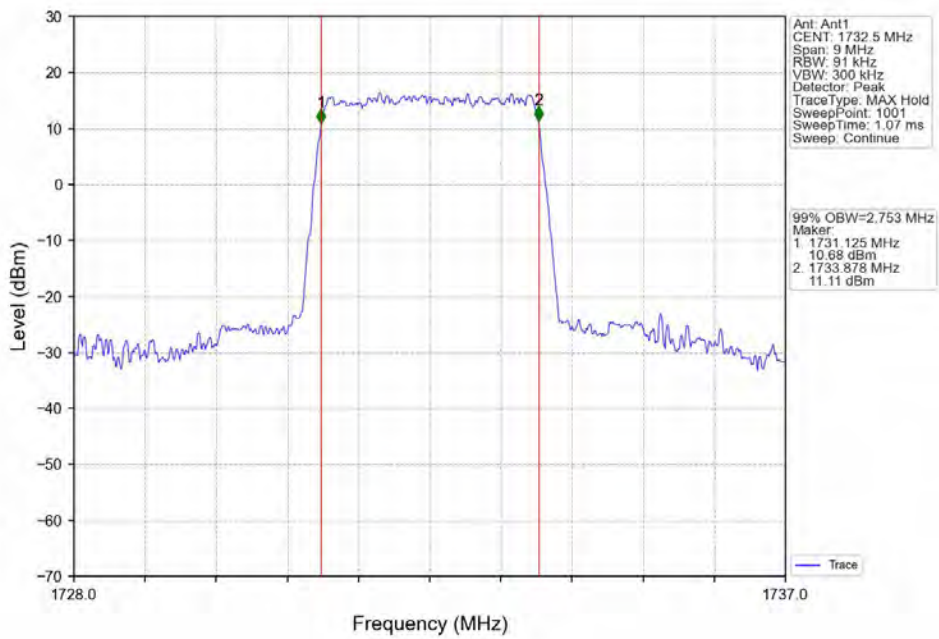
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



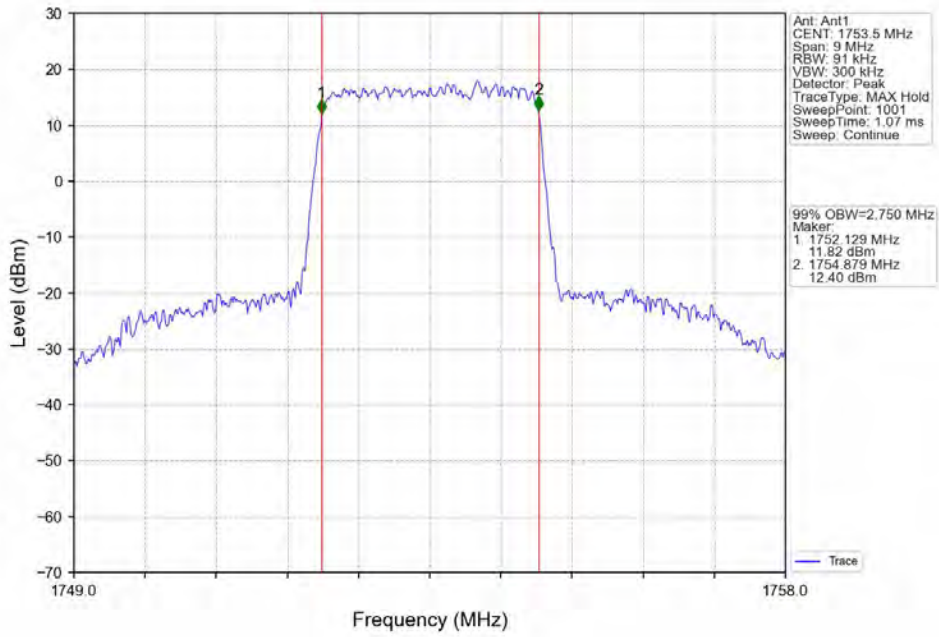
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



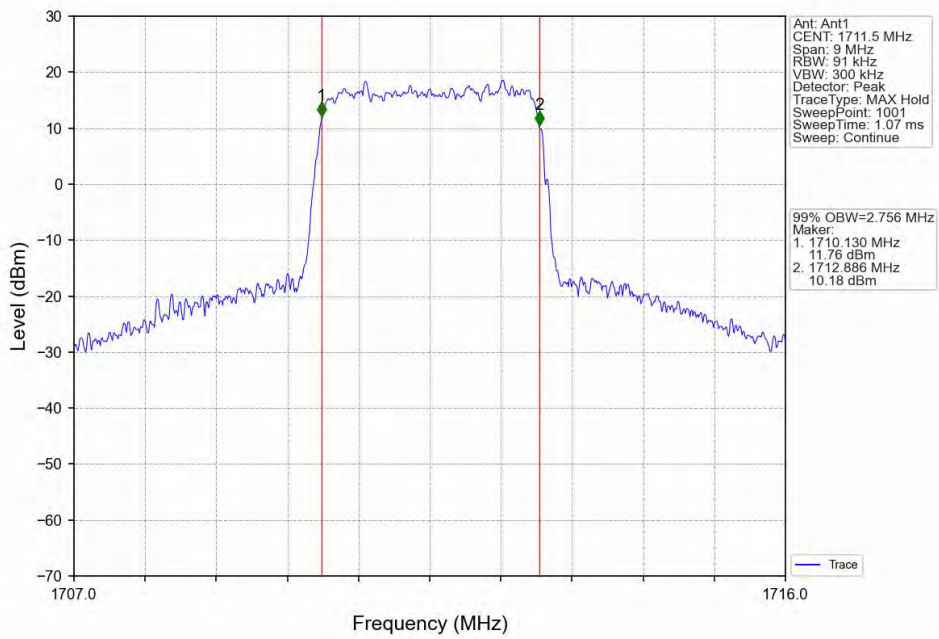
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



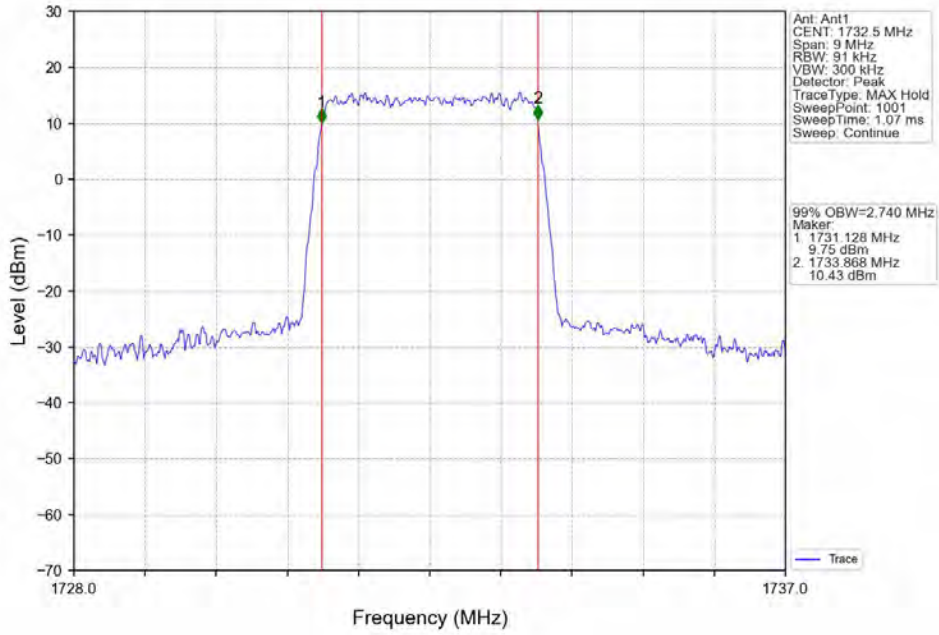
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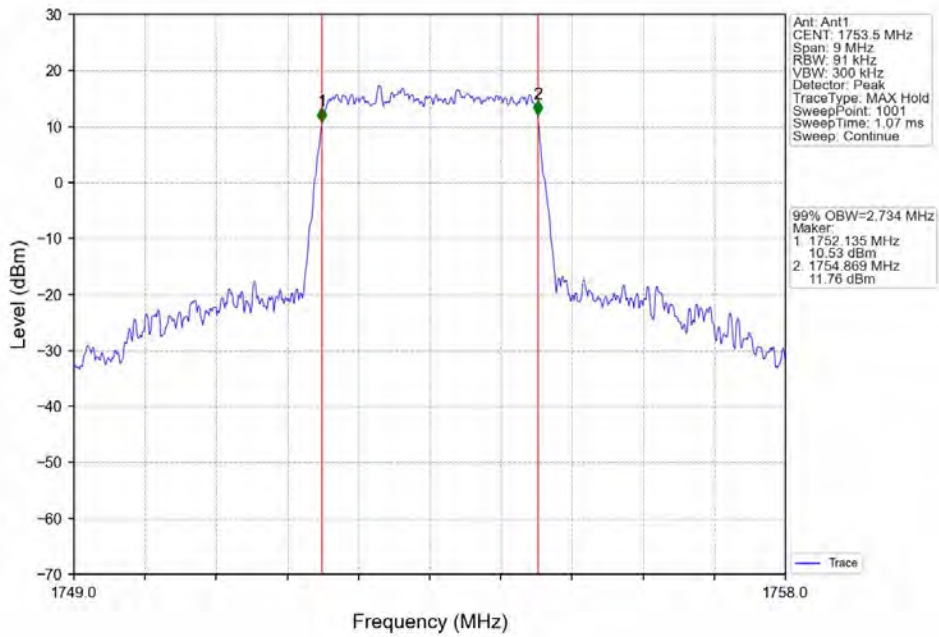
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



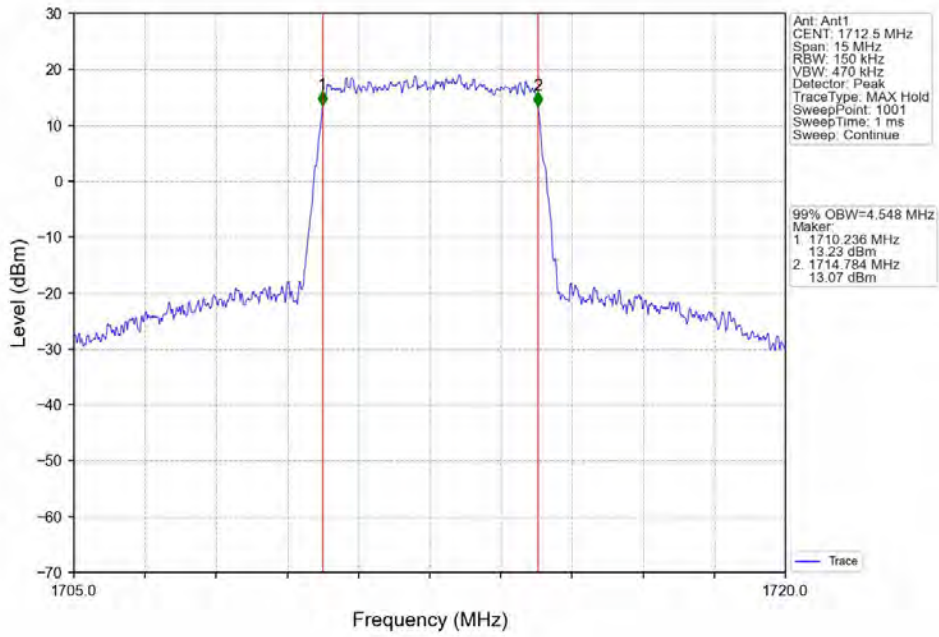
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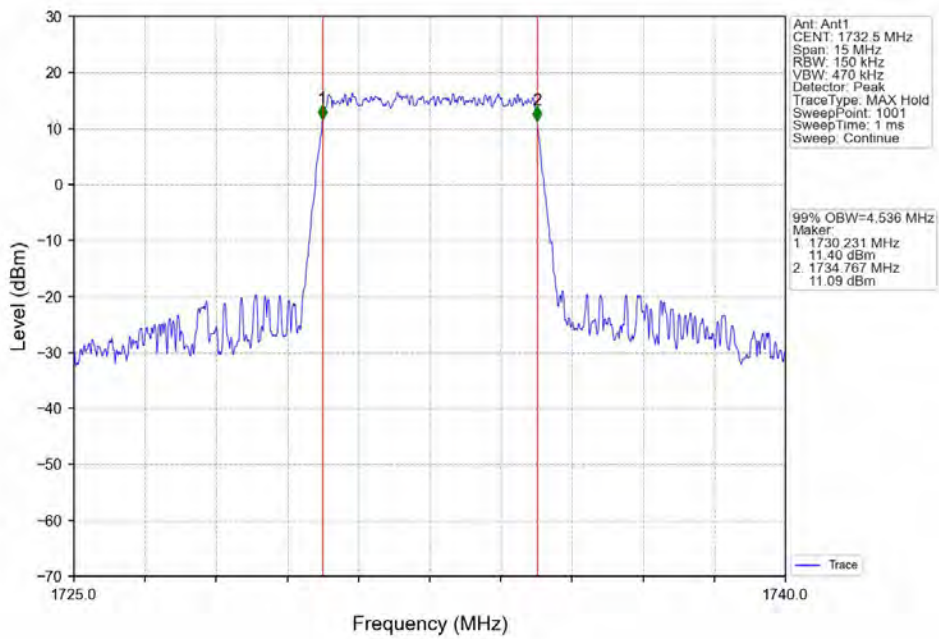
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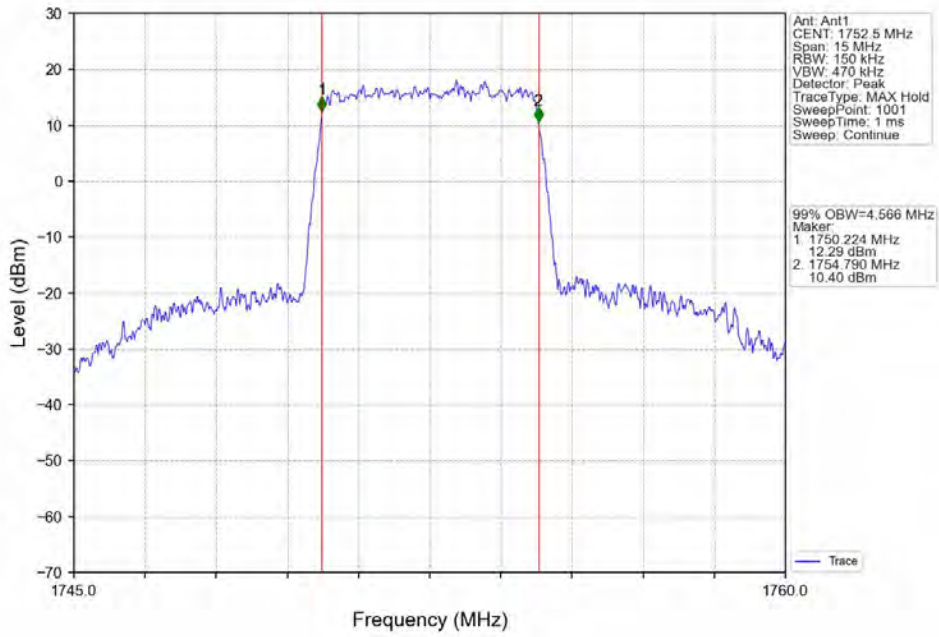
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



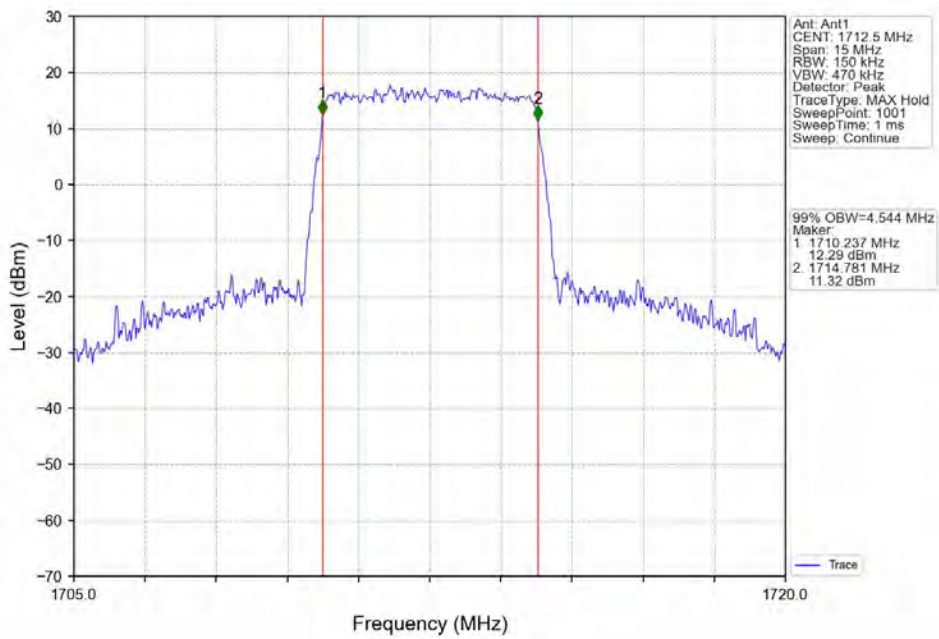
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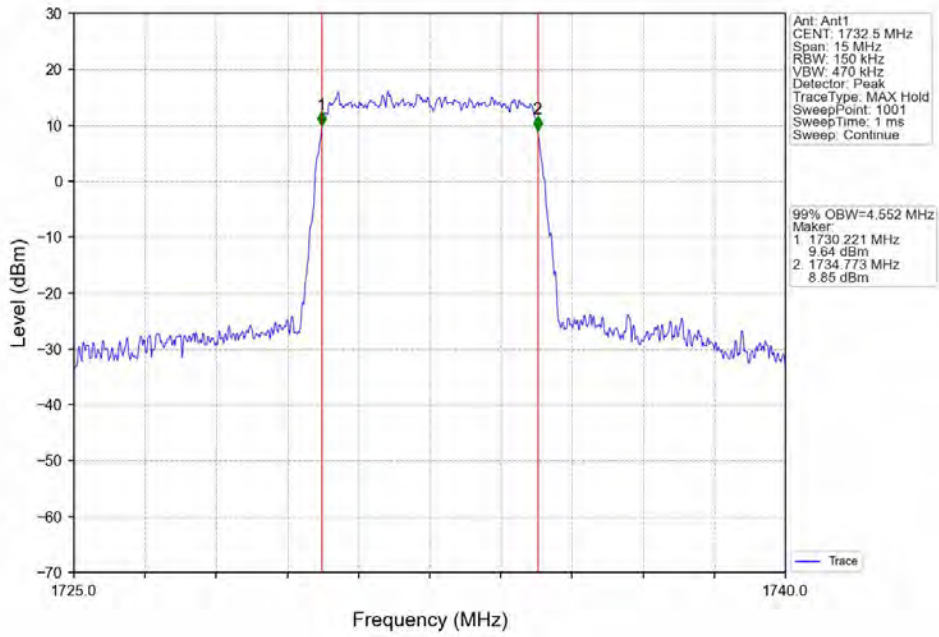
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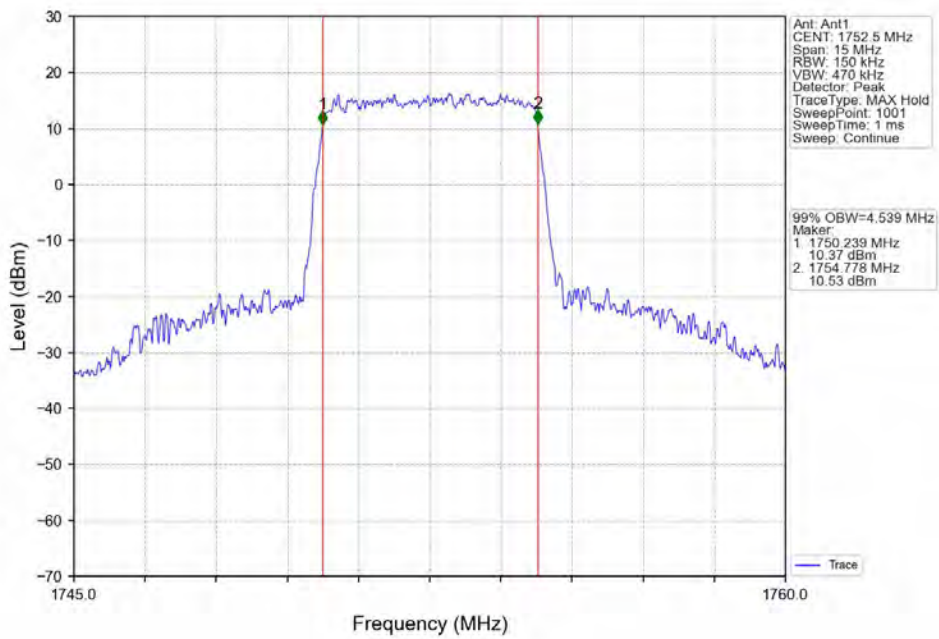
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



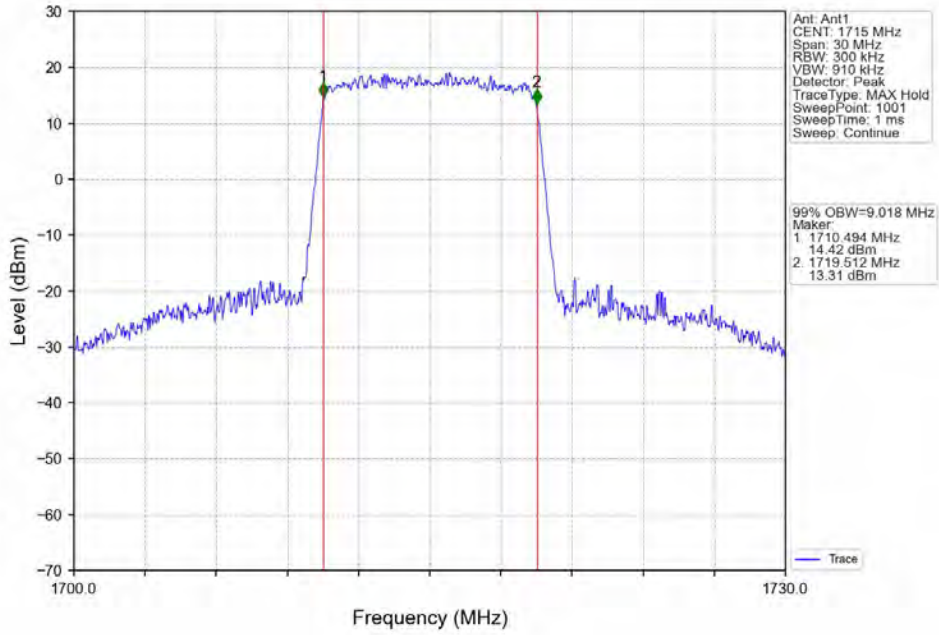
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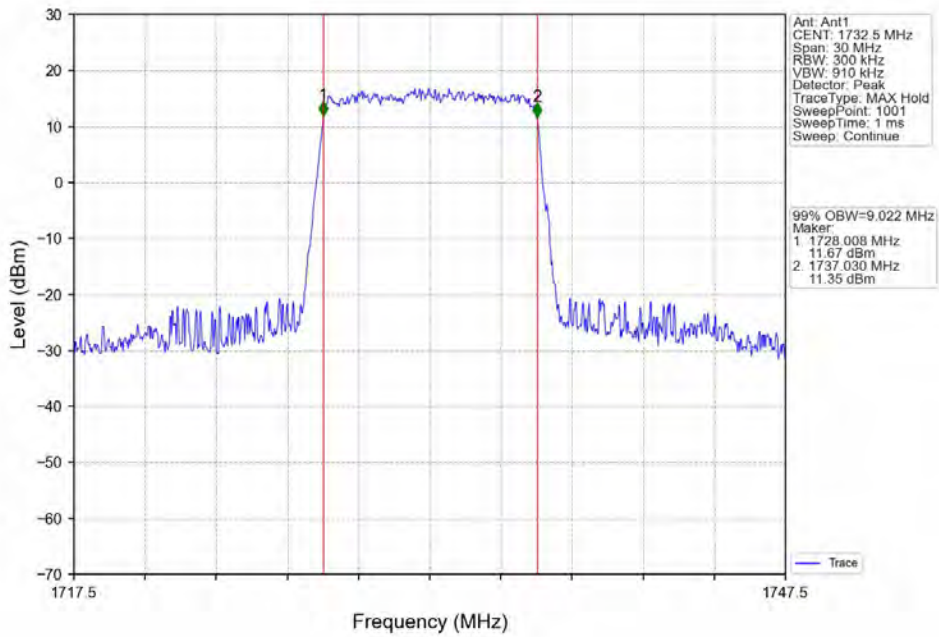
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



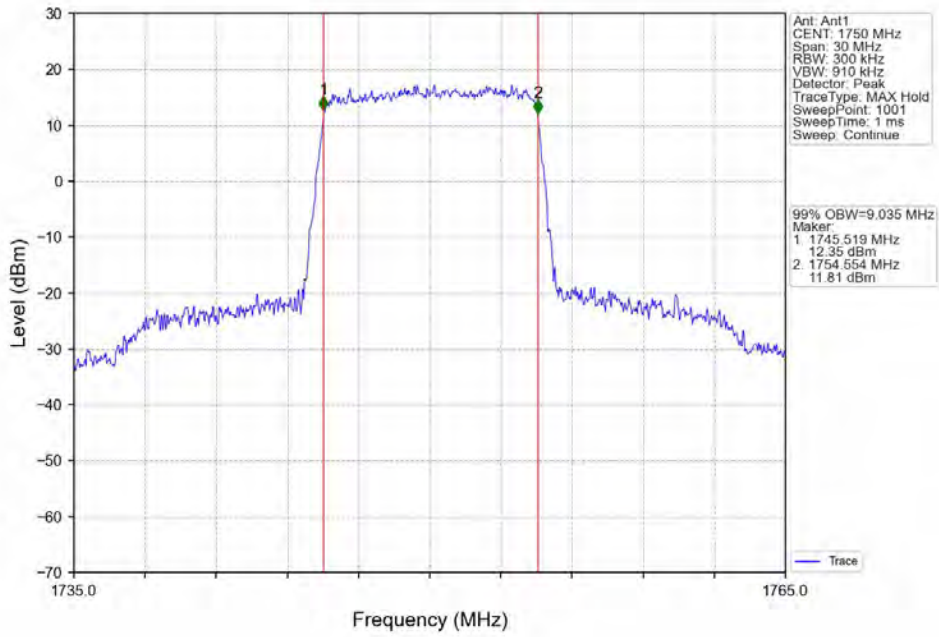
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



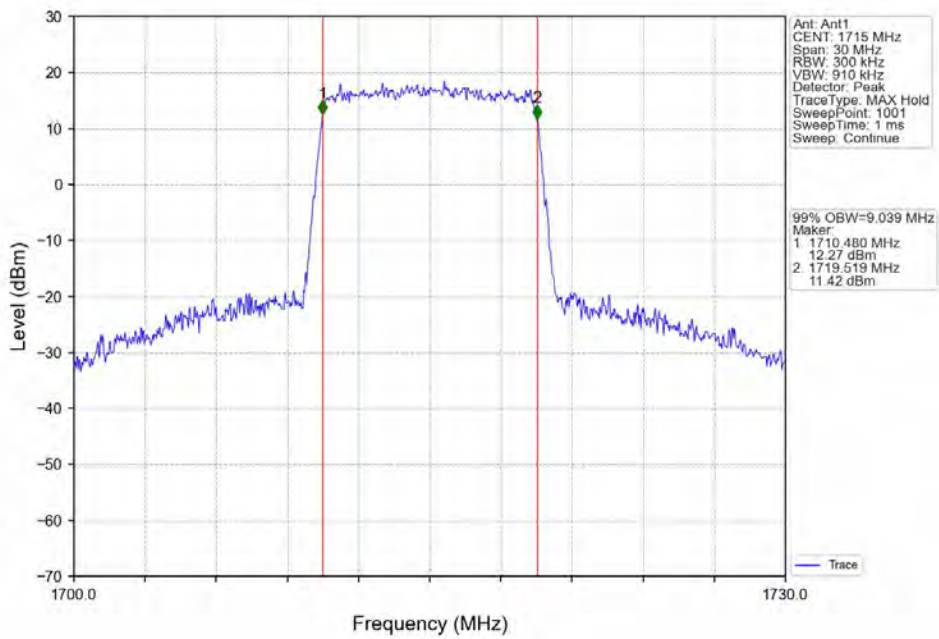
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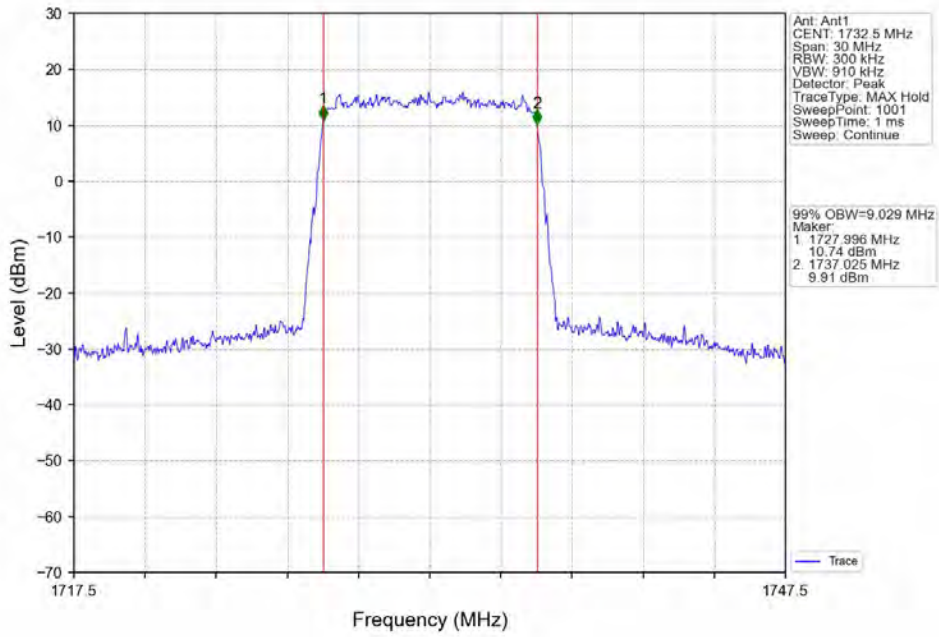
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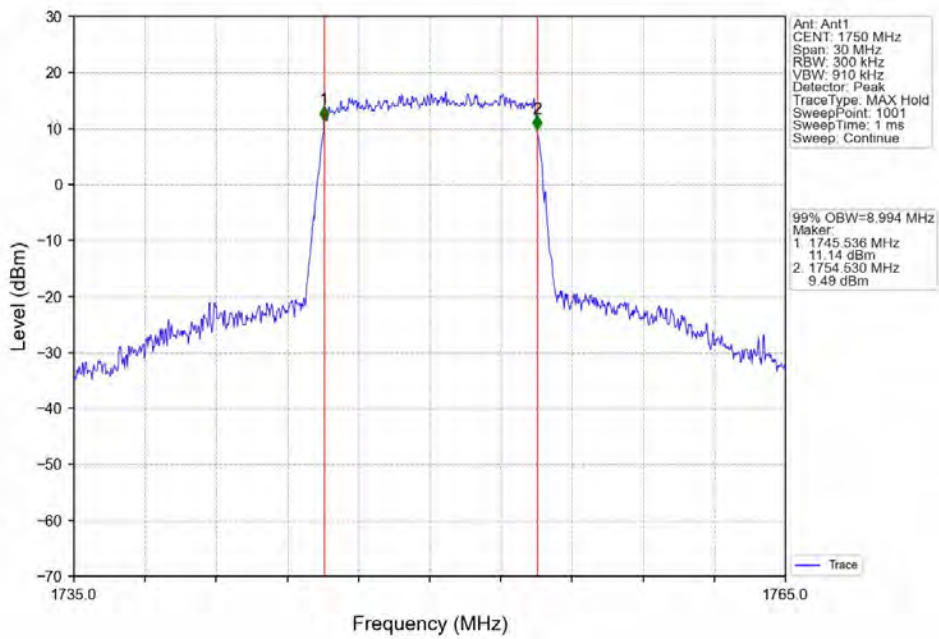
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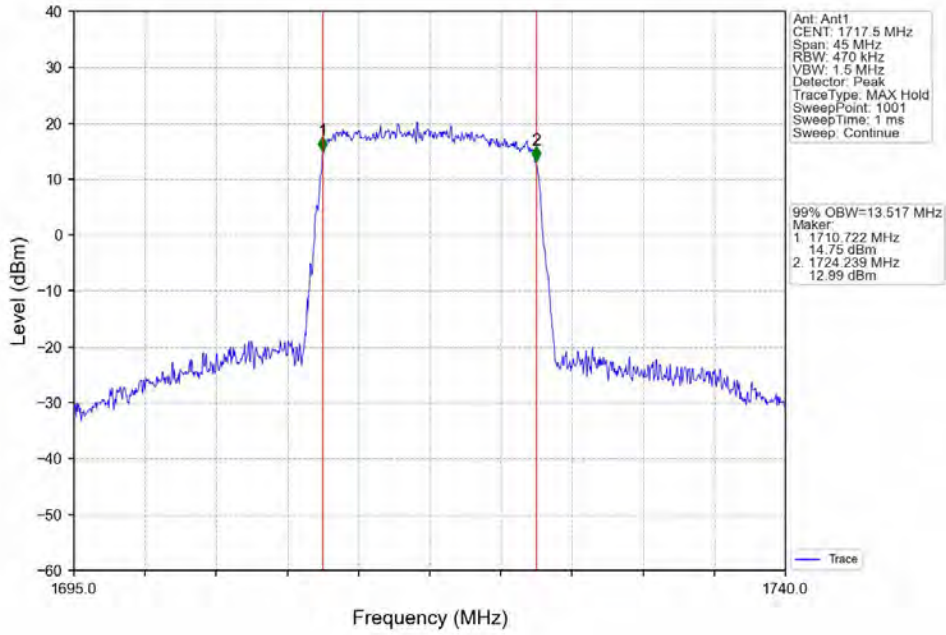
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



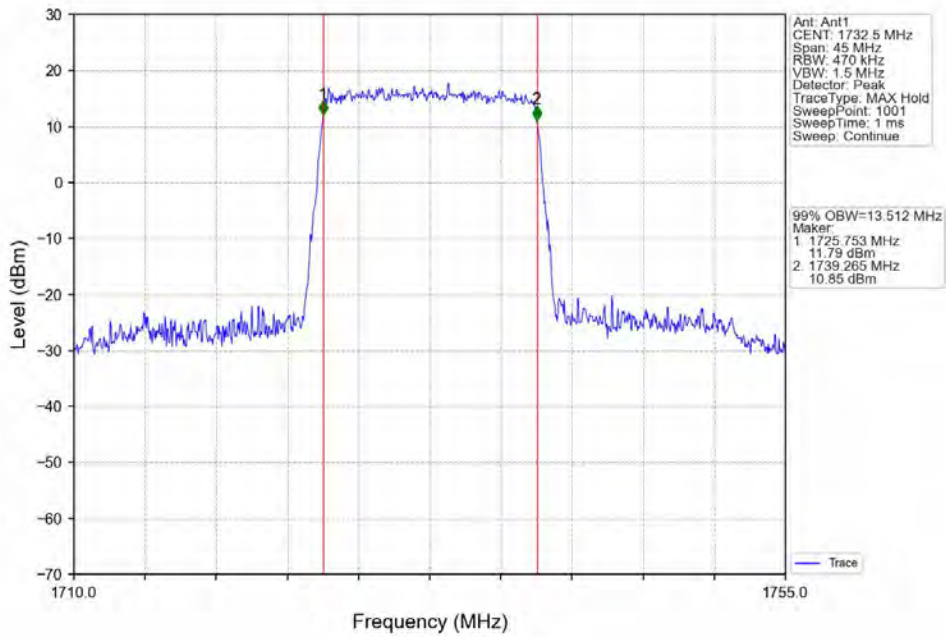
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



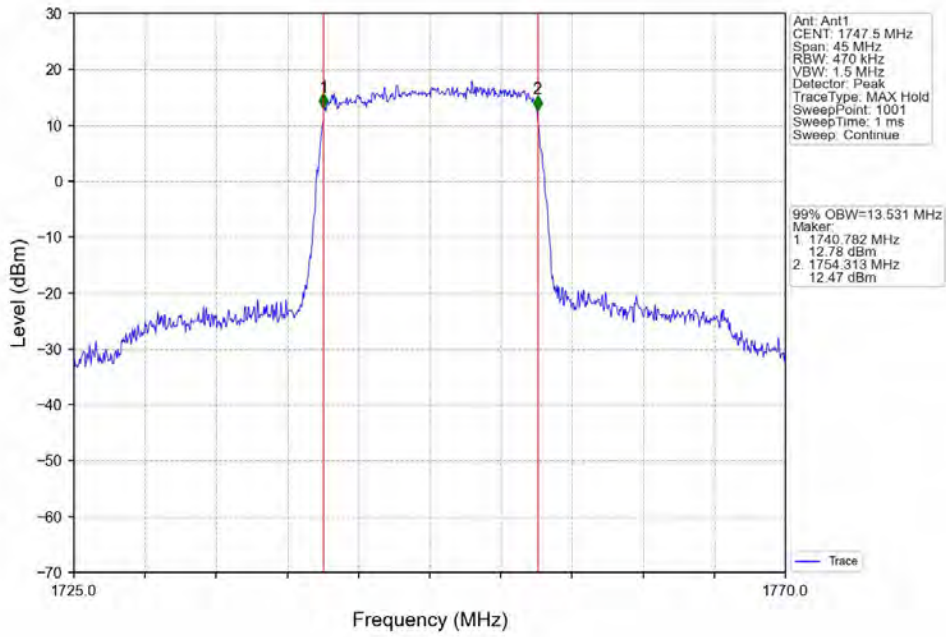
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



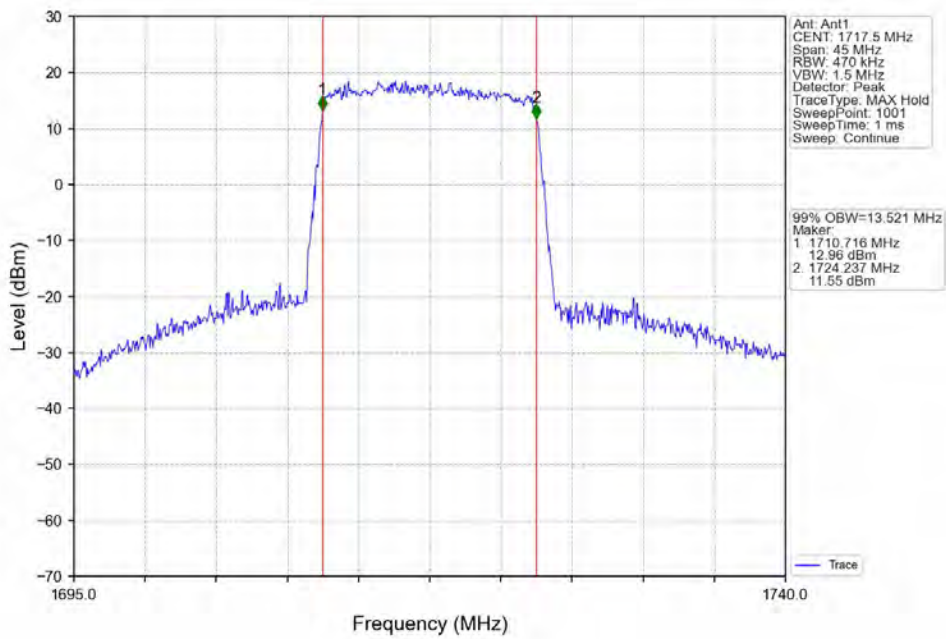
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



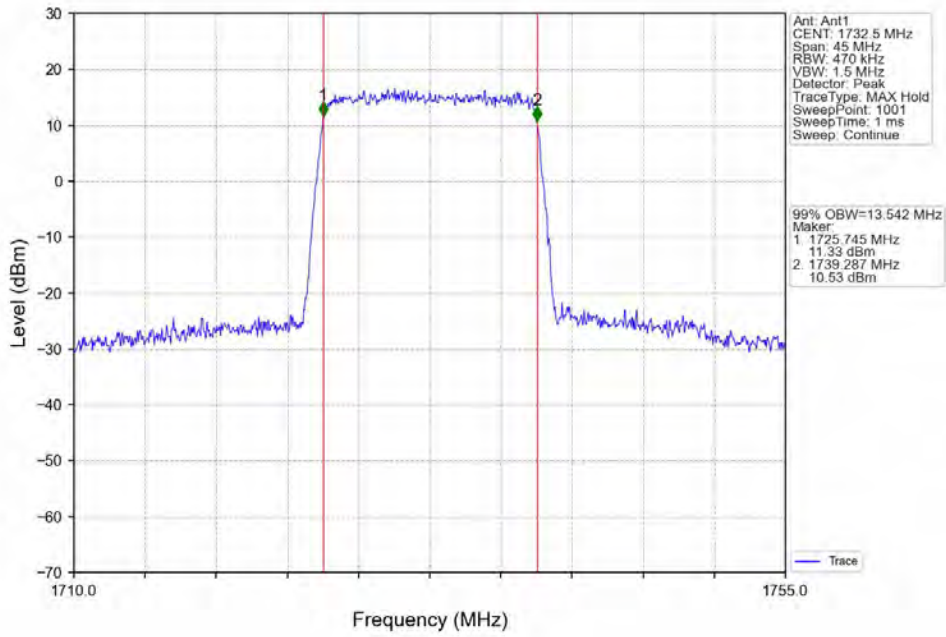
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



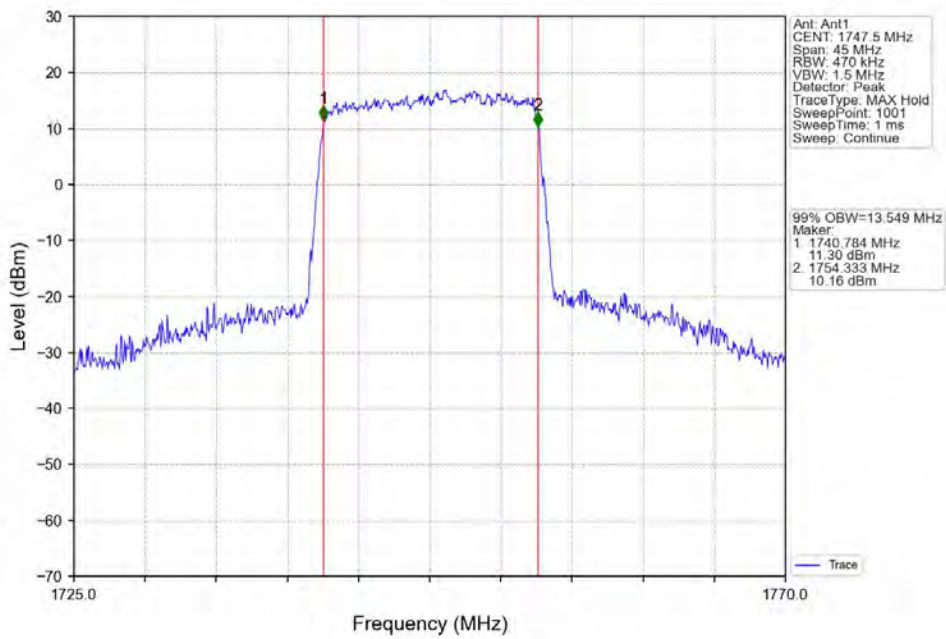
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



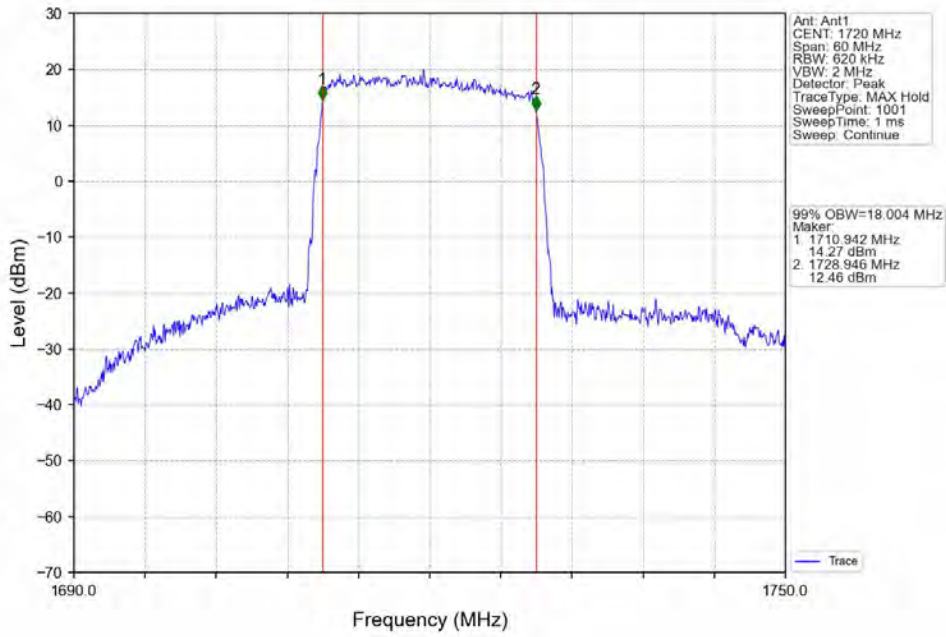
Band4 15MHz 16QAM MCH 1732.5MHz RB 75_0_NTNV



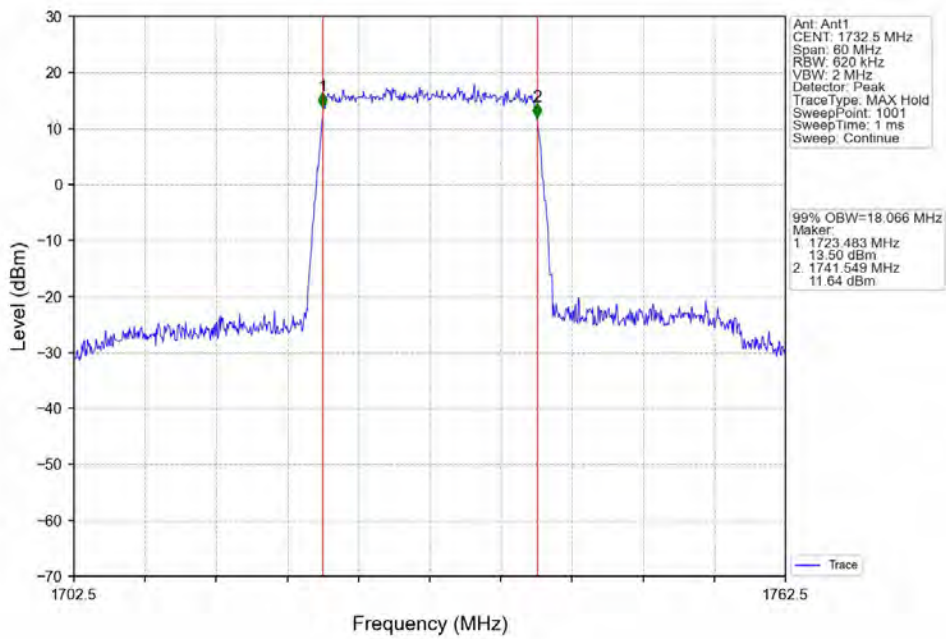
Band4 15MHz 16QAM HCH 1747.5MHz RB 75_0_NTNV



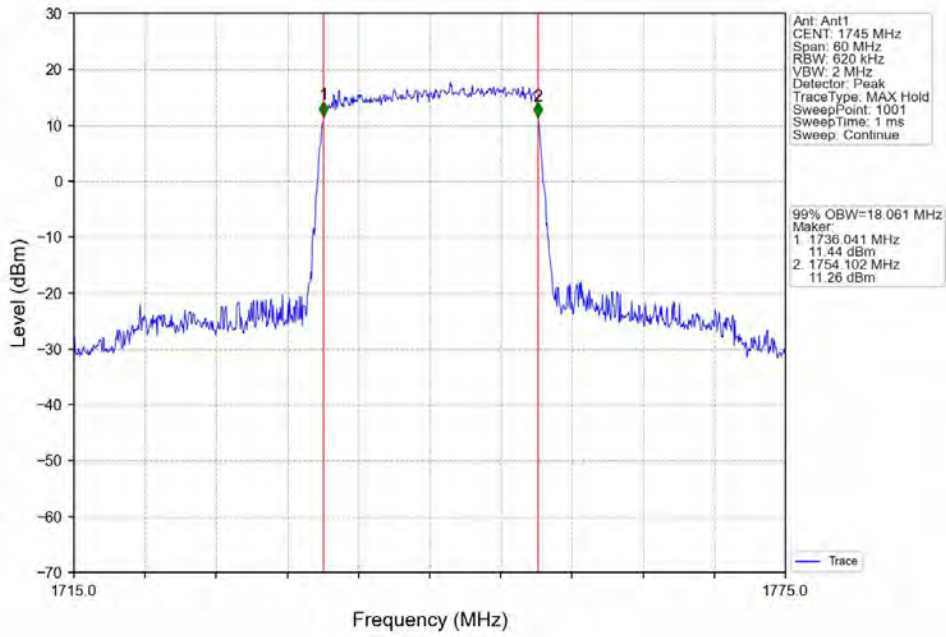
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



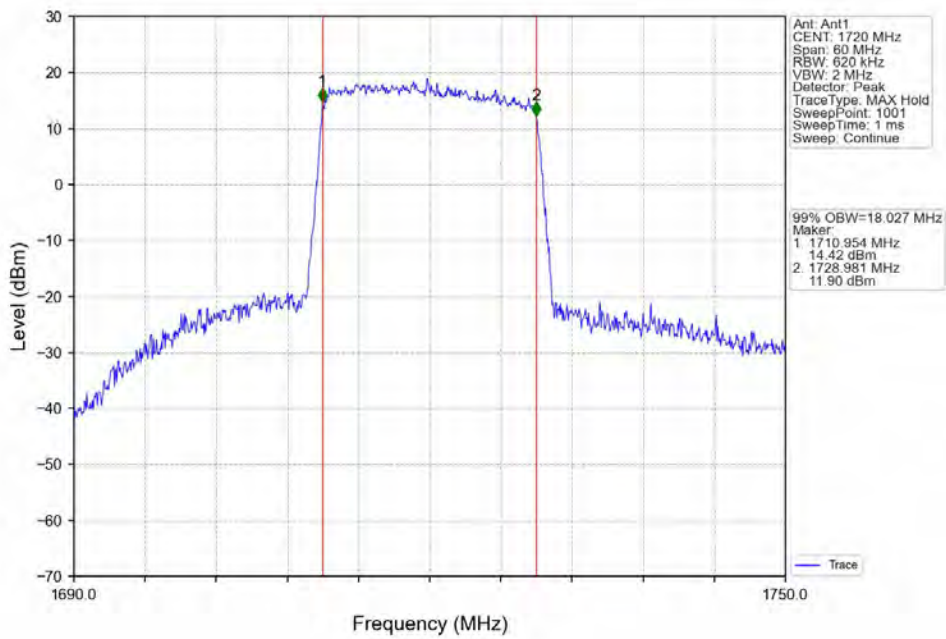
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



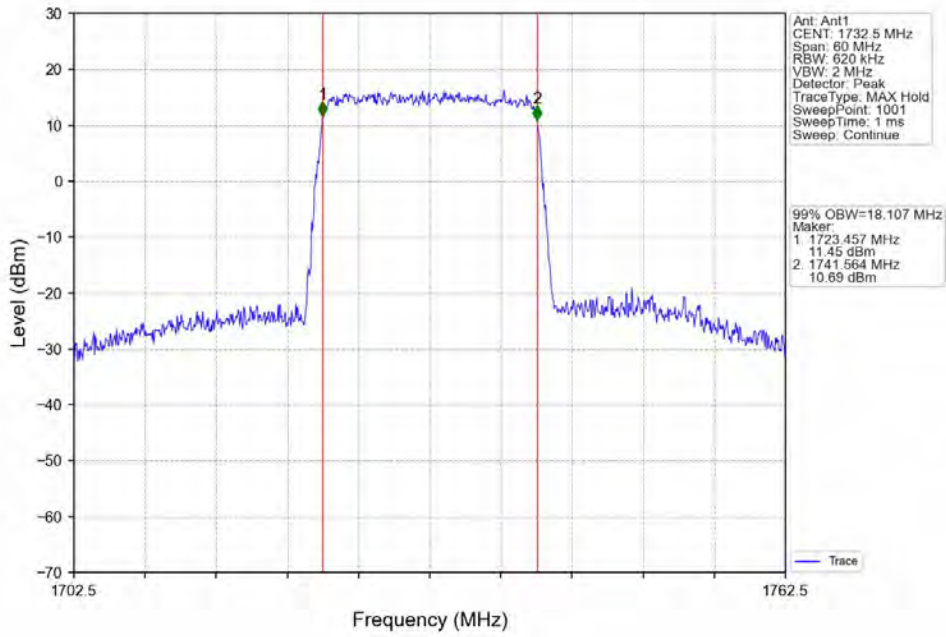
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



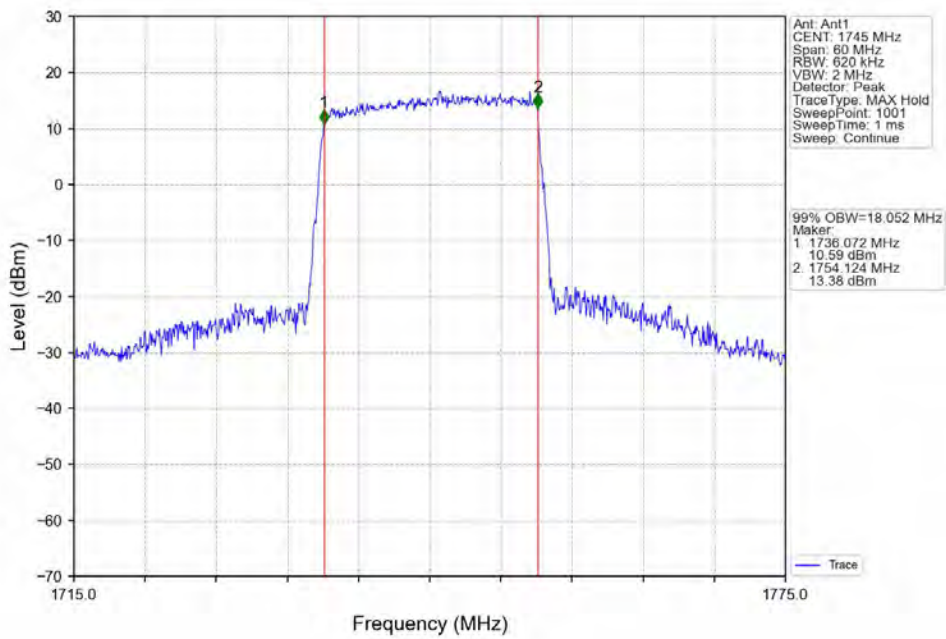
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV

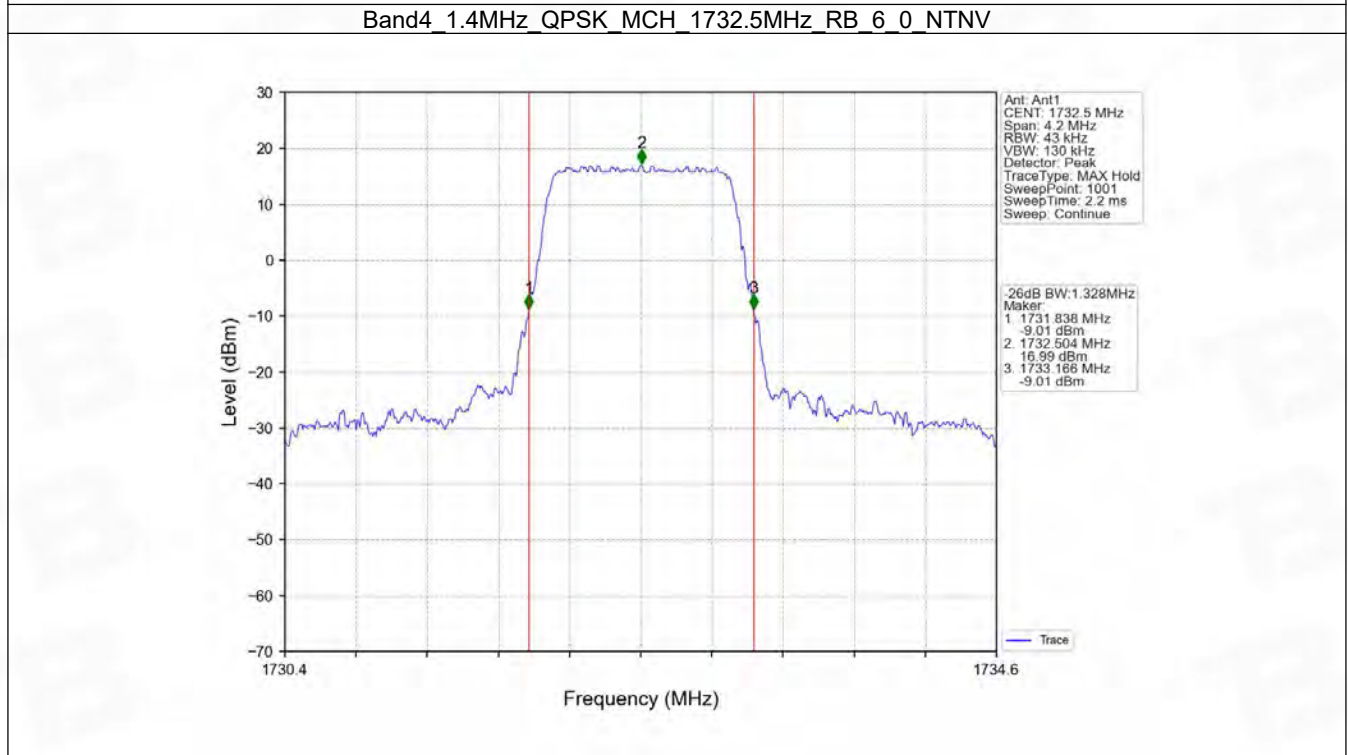
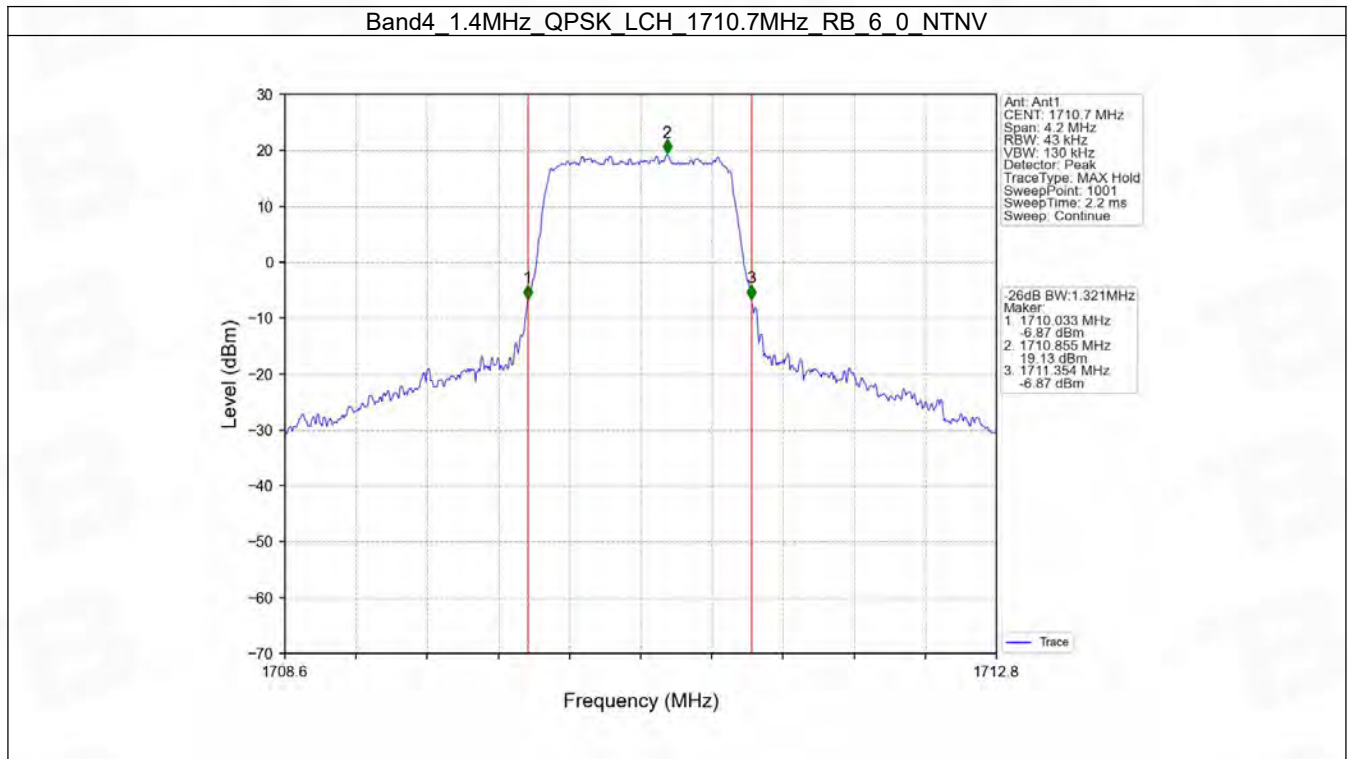


4.2 Band4_XDB

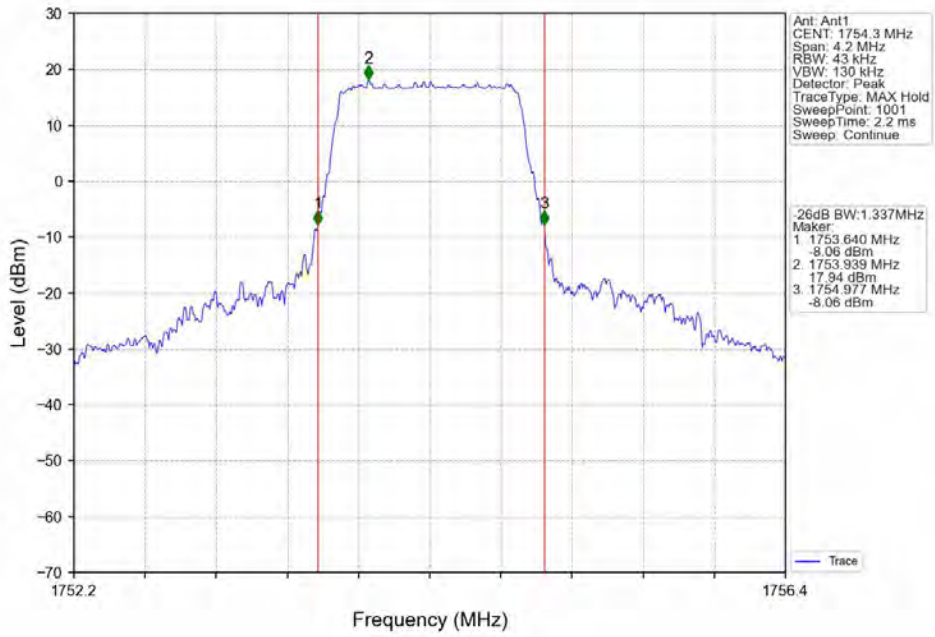
4.2.1 Test Result

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.321	/	Pass
		1732.5	6	0	1.328	/	Pass
		1754.3	6	0	1.337	/	Pass
	16QAM	1710.7	6	0	1.323	/	Pass
		1732.5	6	0	1.301	/	Pass
		1754.3	6	0	1.308	/	Pass
3	QPSK	1711.5	15	0	3.056	/	Pass
		1732.5	15	0	3.076	/	Pass
		1753.5	15	0	3.043	/	Pass
	16QAM	1711.5	15	0	3.044	/	Pass
		1732.5	15	0	3.062	/	Pass
		1753.5	15	0	3.053	/	Pass
5	QPSK	1712.5	25	0	5.080	/	Pass
		1732.5	25	0	5.062	/	Pass
		1752.5	25	0	5.102	/	Pass
	16QAM	1712.5	25	0	5.104	/	Pass
		1732.5	25	0	5.107	/	Pass
		1752.5	25	0	5.050	/	Pass
10	QPSK	1715	50	0	10.001	/	Pass
		1732.5	50	0	10.058	/	Pass
		1750	50	0	10.147	/	Pass
	16QAM	1715	50	0	10.031	/	Pass
		1732.5	50	0	10.007	/	Pass
		1750	50	0	9.987	/	Pass
15	QPSK	1717.5	75	0	14.941	/	Pass
		1732.5	75	0	14.941	/	Pass
		1747.5	75	0	14.878	/	Pass
	16QAM	1717.5	75	0	14.902	/	Pass
		1732.5	75	0	14.927	/	Pass
		1747.5	75	0	14.876	/	Pass
20	QPSK	1720	100	0	19.683	/	Pass
		1732.5	100	0	19.886	/	Pass
		1745	100	0	19.610	/	Pass
	16QAM	1720	100	0	19.604	/	Pass
		1732.5	100	0	19.934	/	Pass
		1745	100	0	19.791	/	Pass

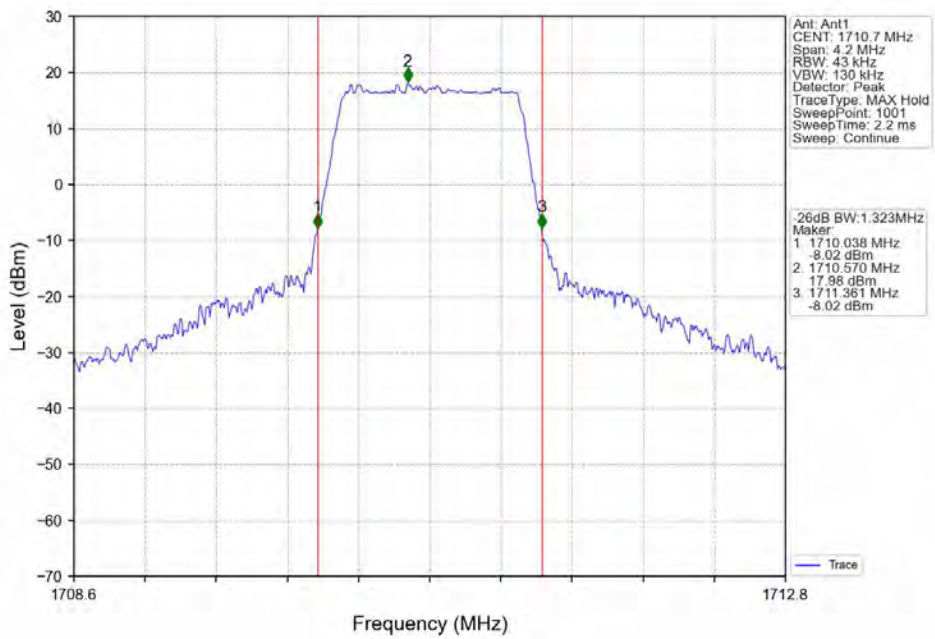
4.2.2 Test Graph



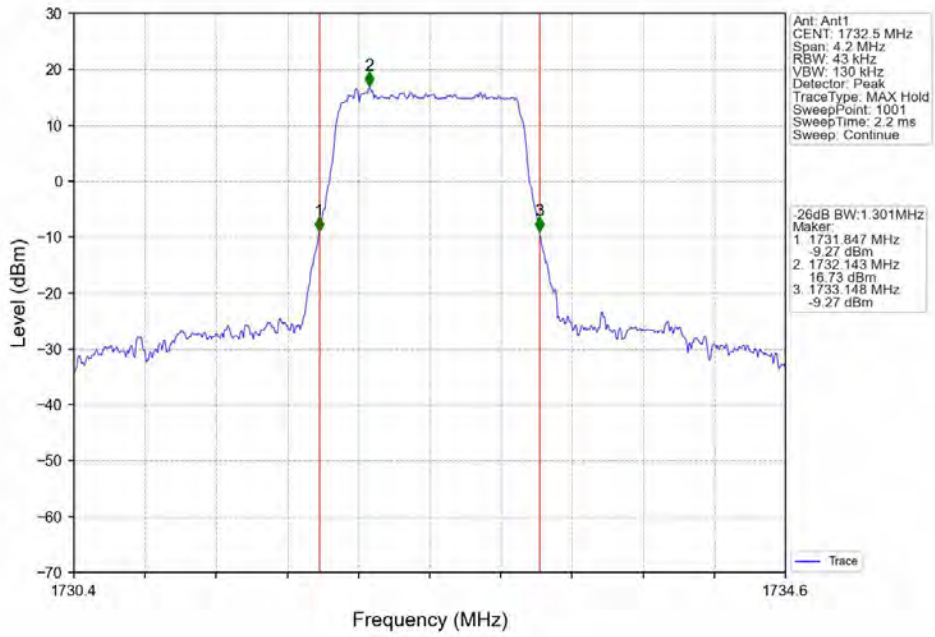
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



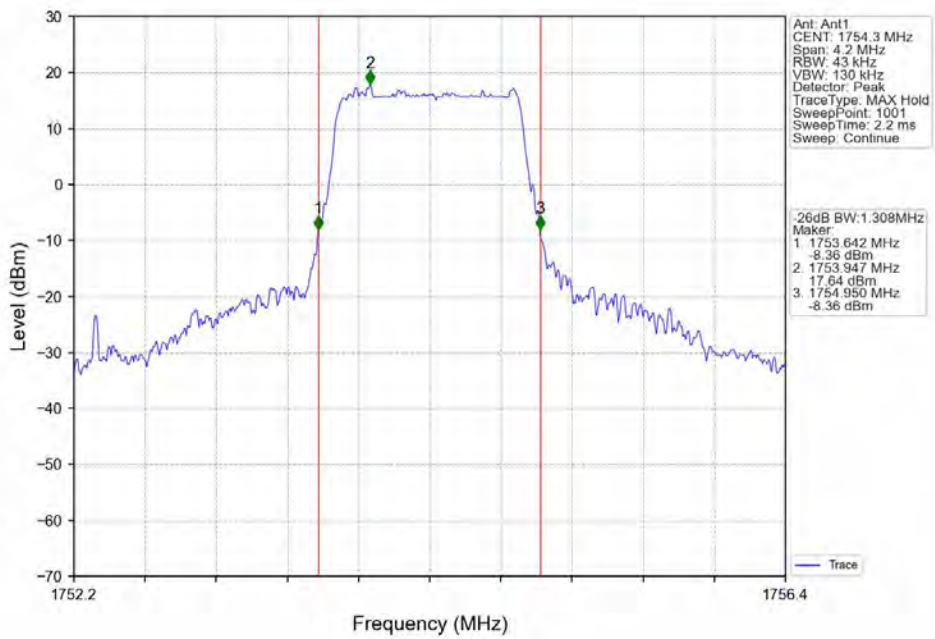
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



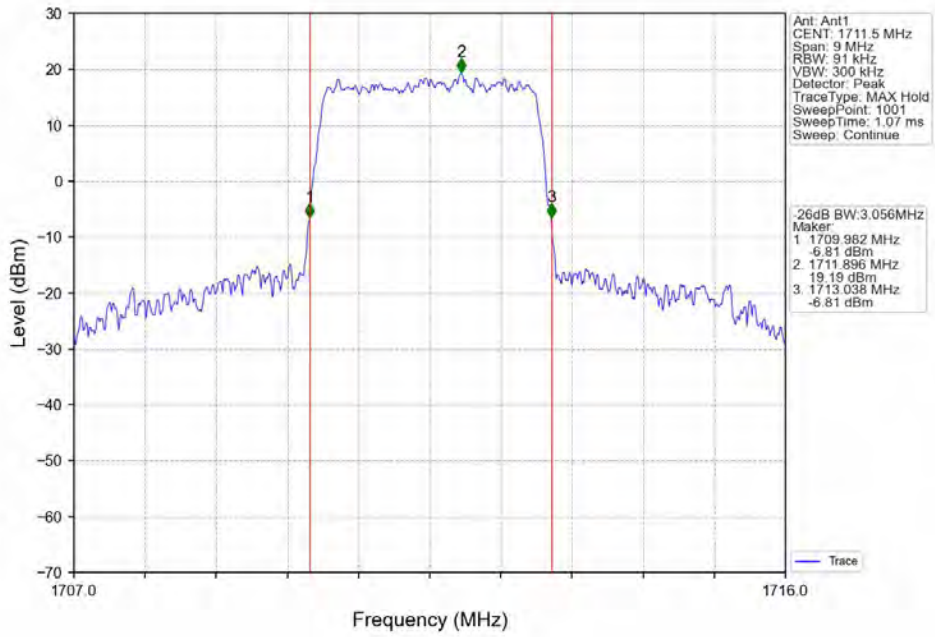
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTV



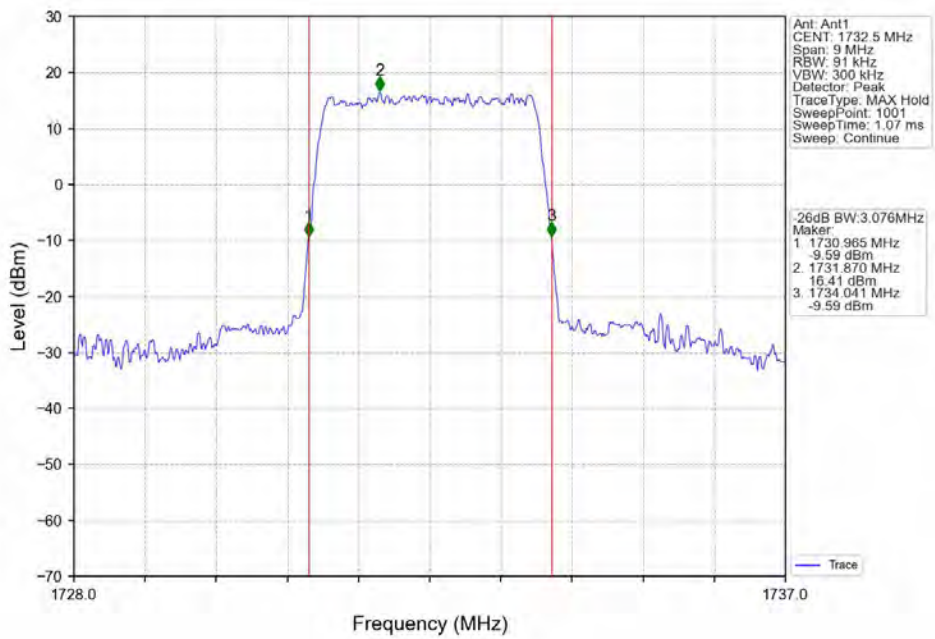
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTV



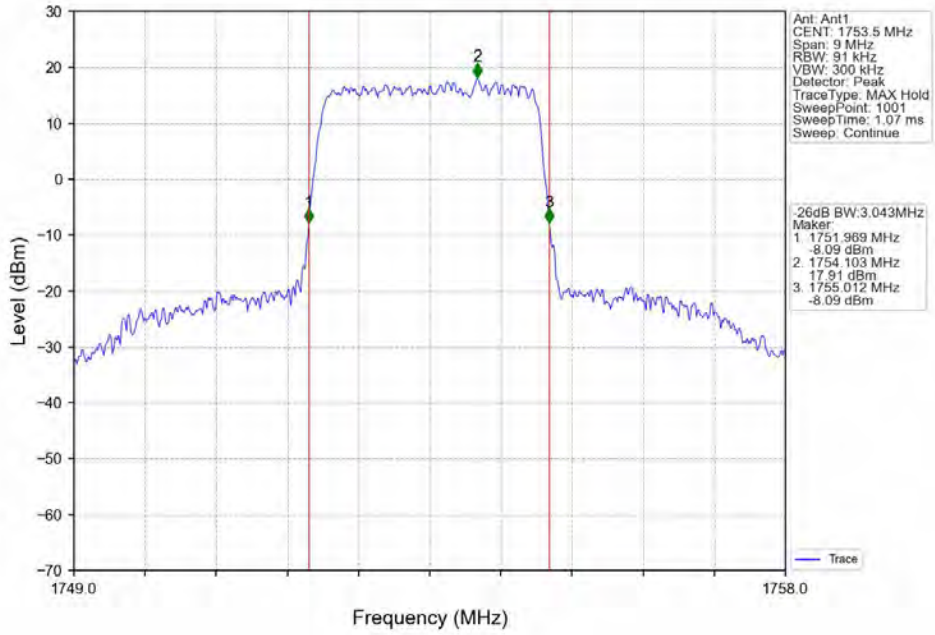
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



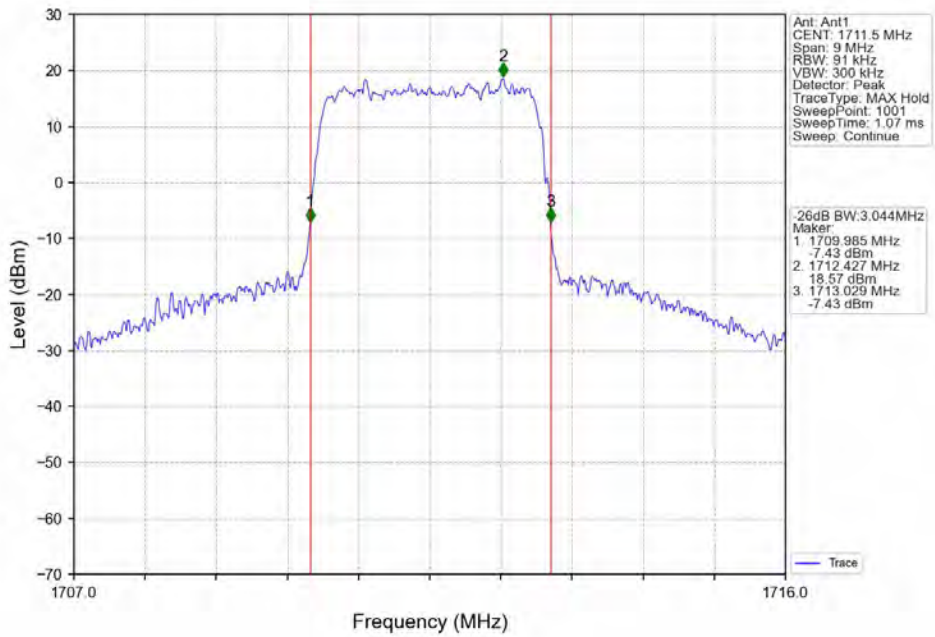
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



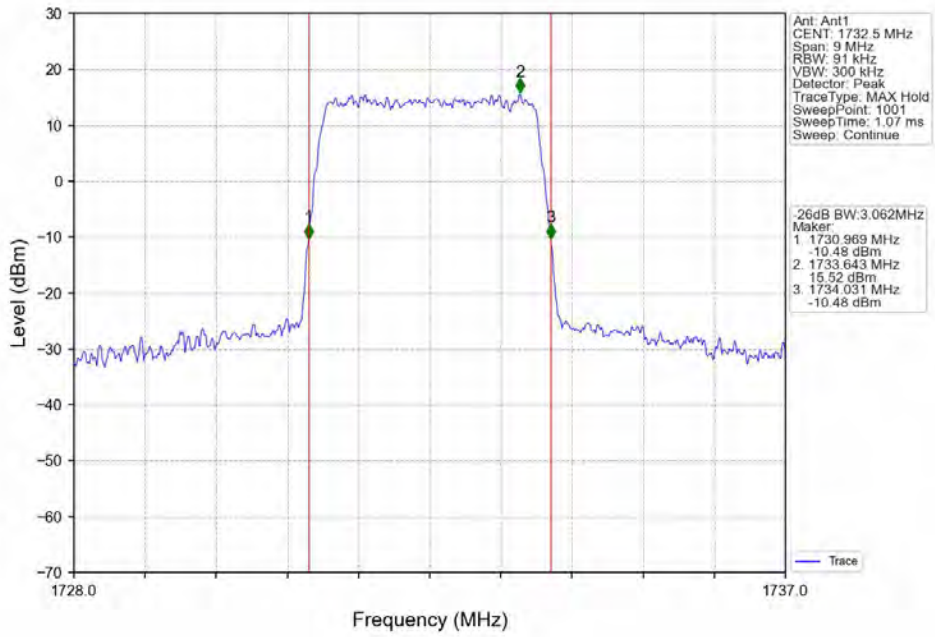
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



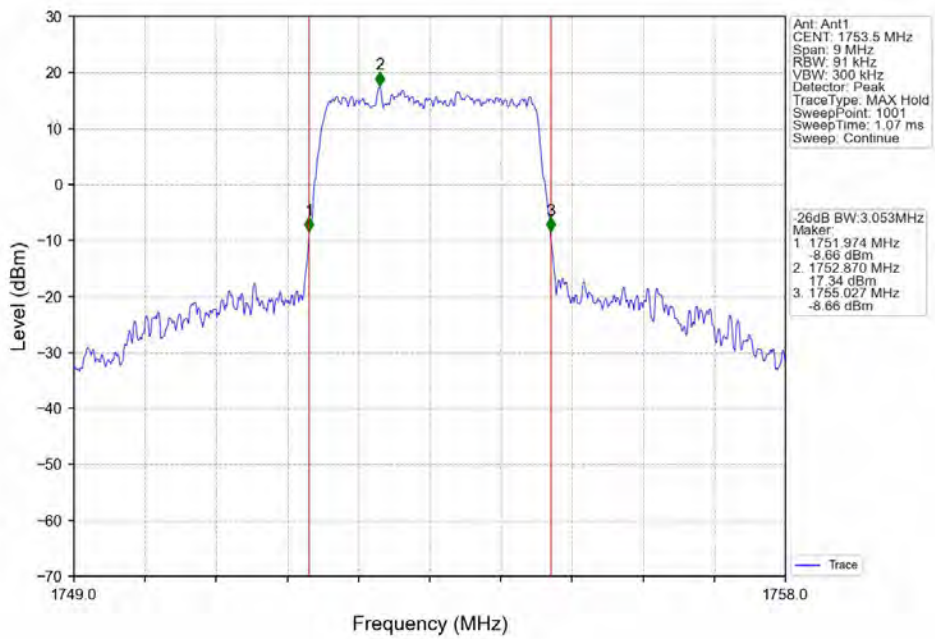
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



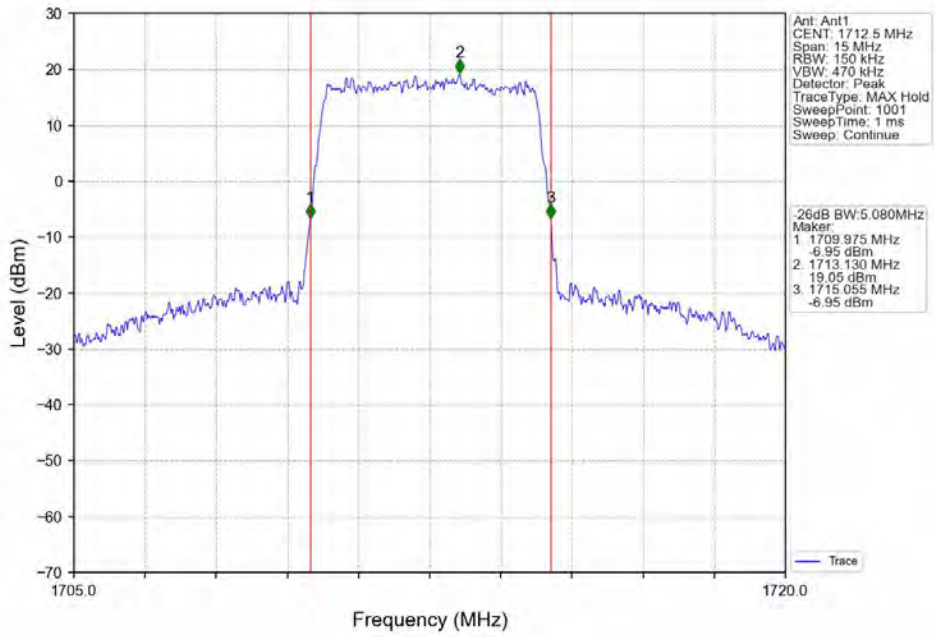
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



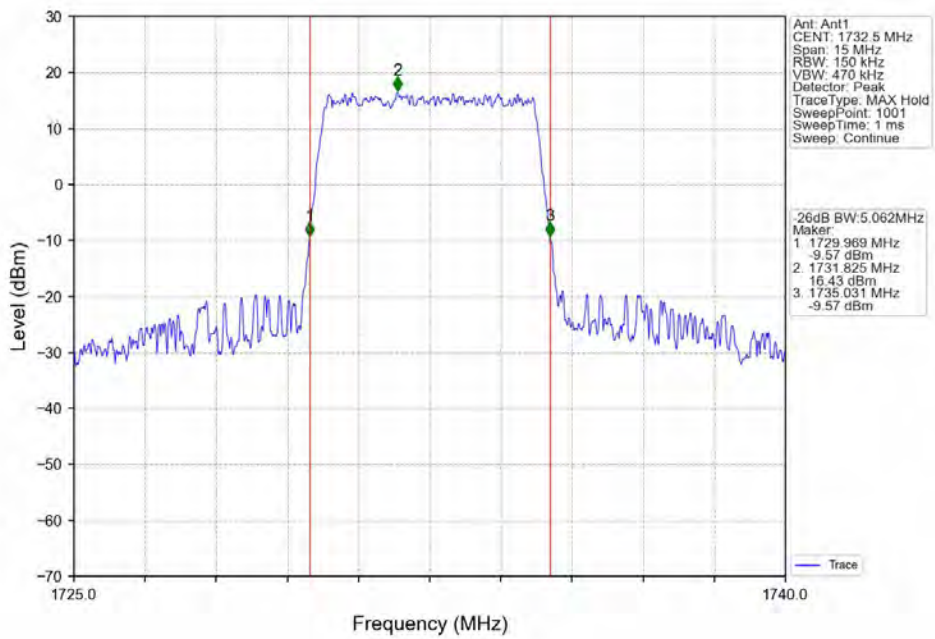
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



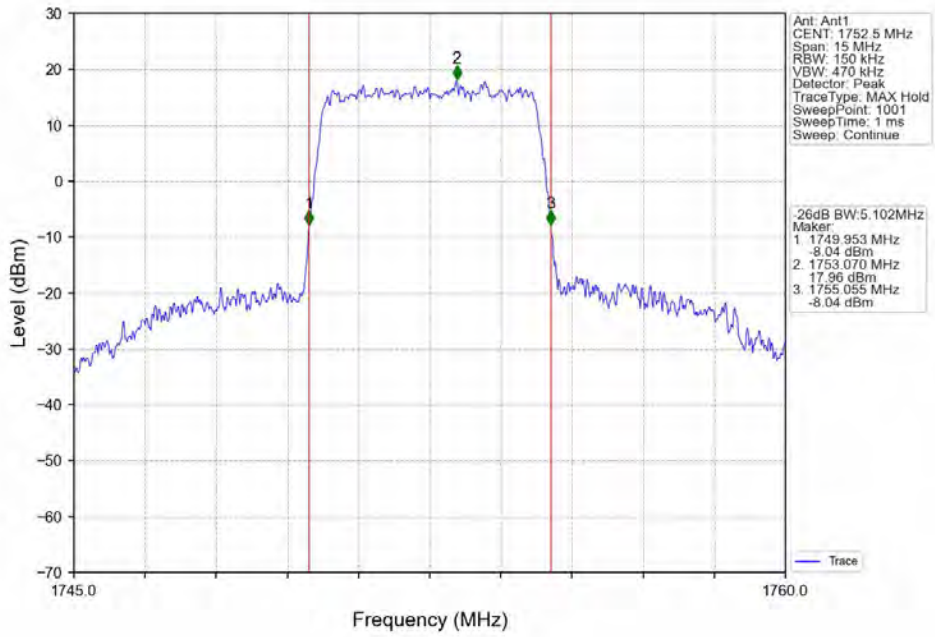
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



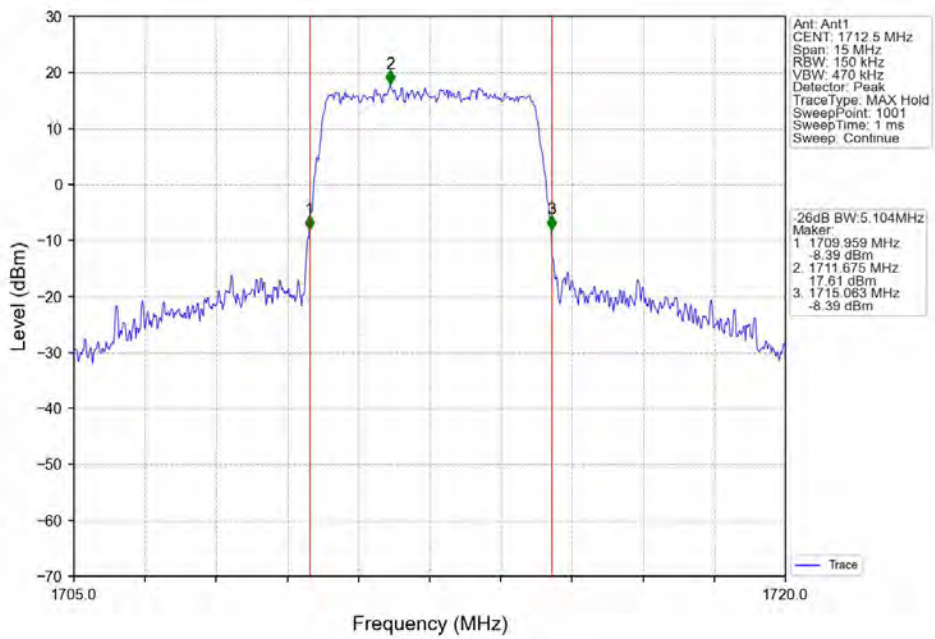
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



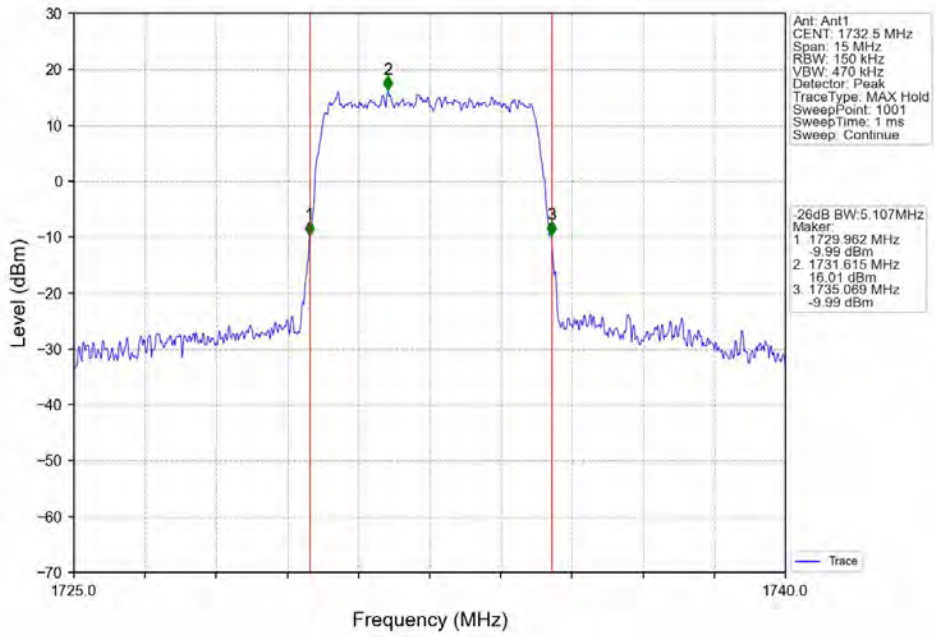
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



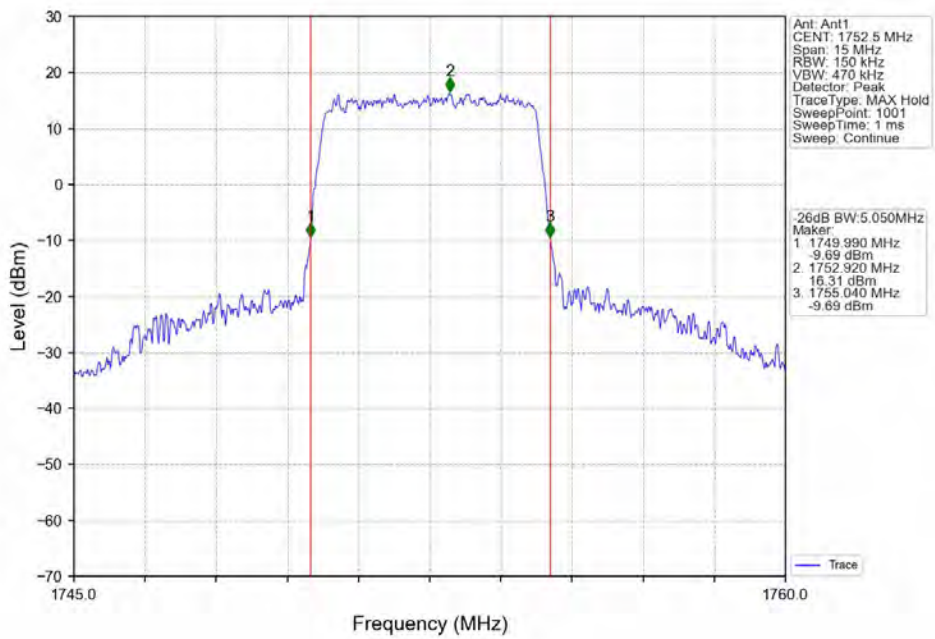
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



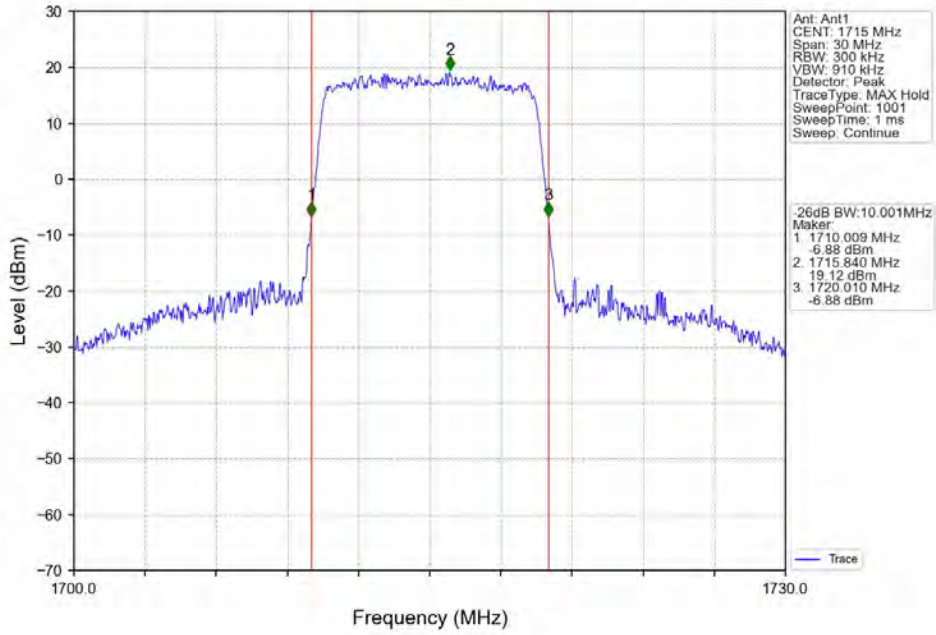
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



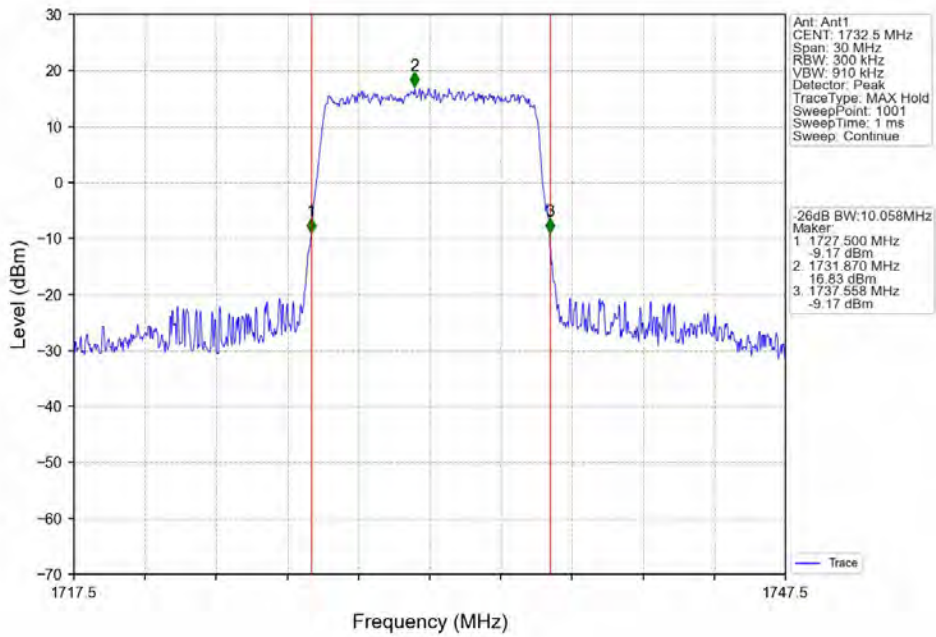
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



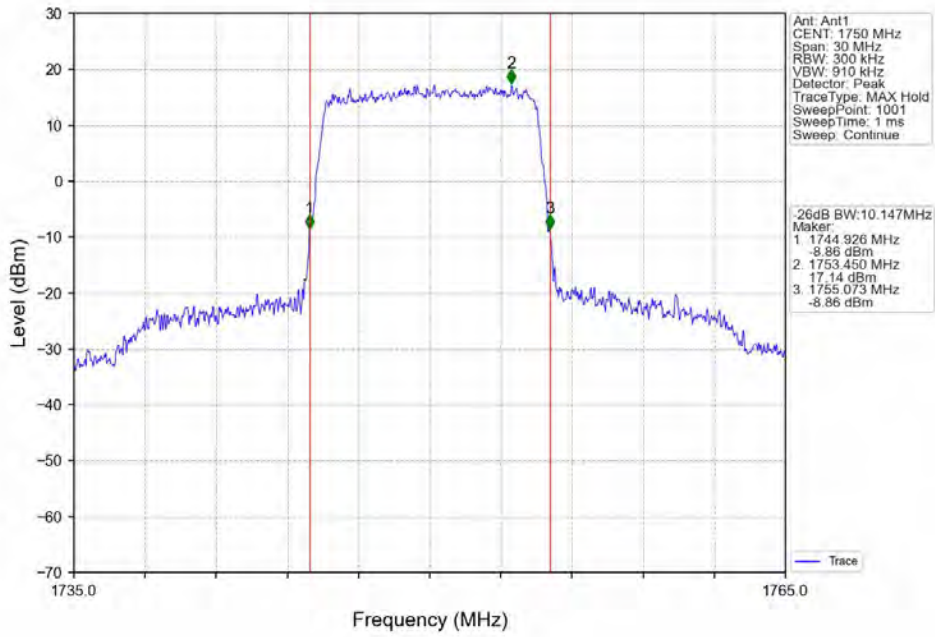
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



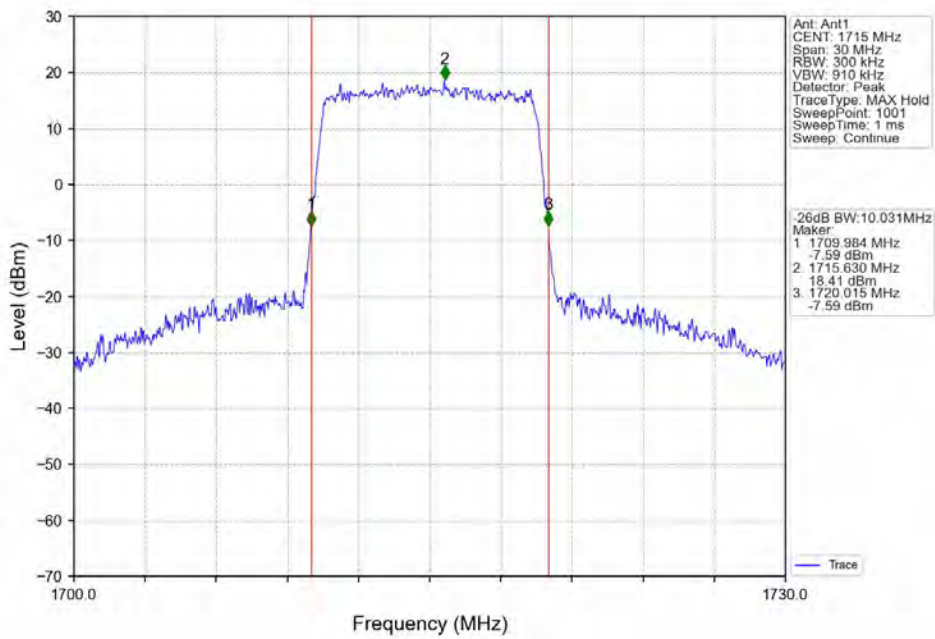
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



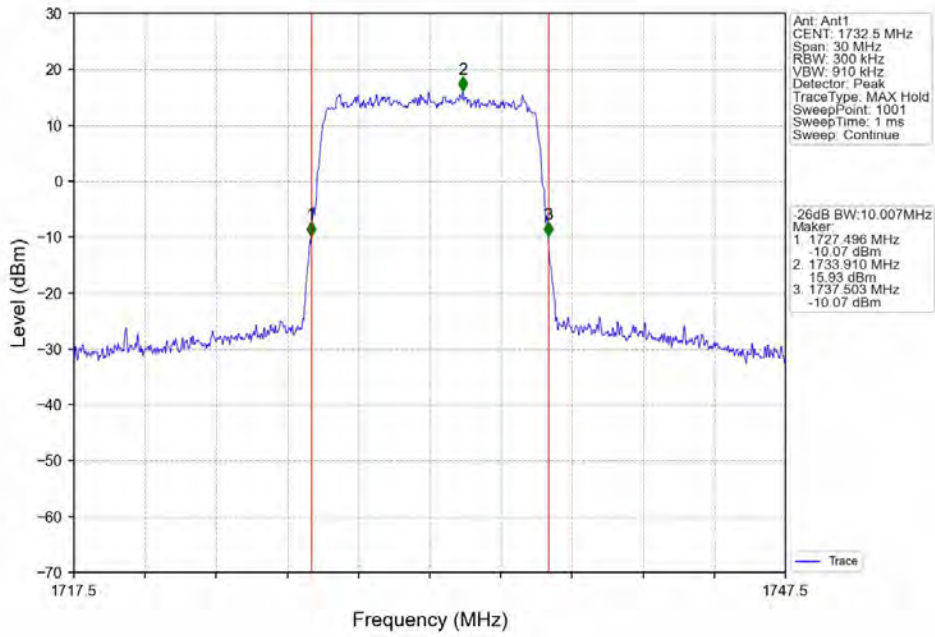
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



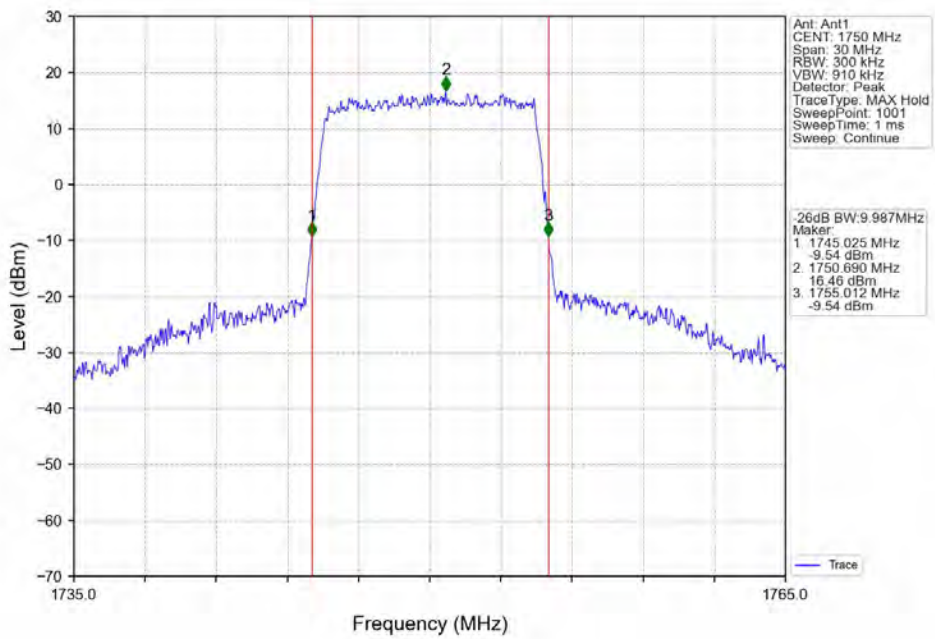
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



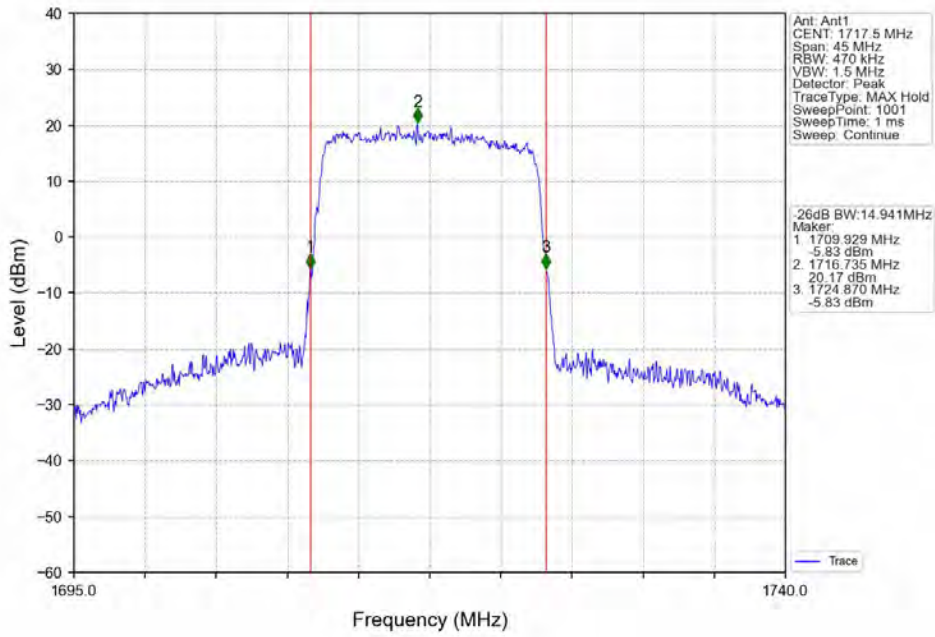
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



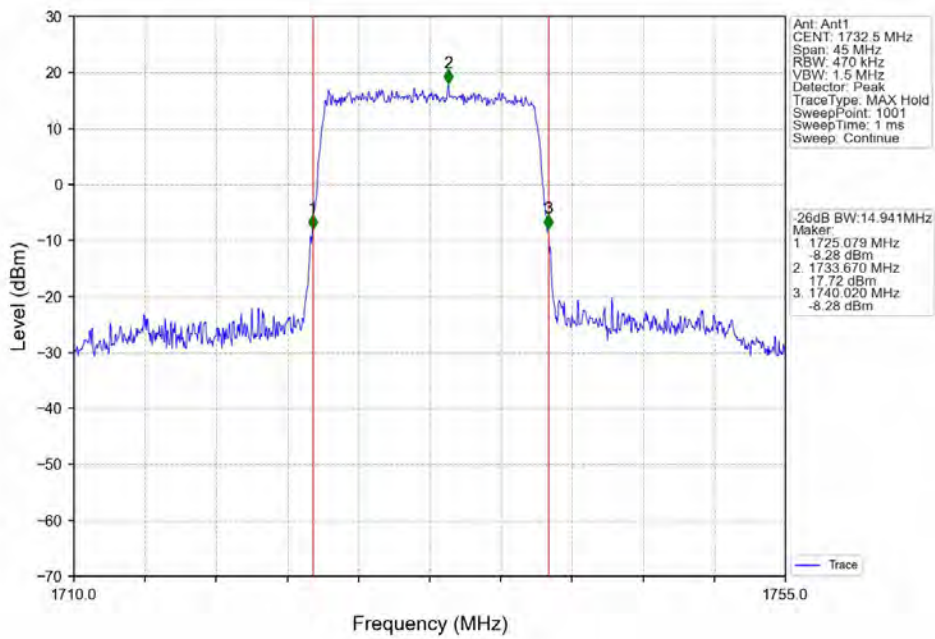
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



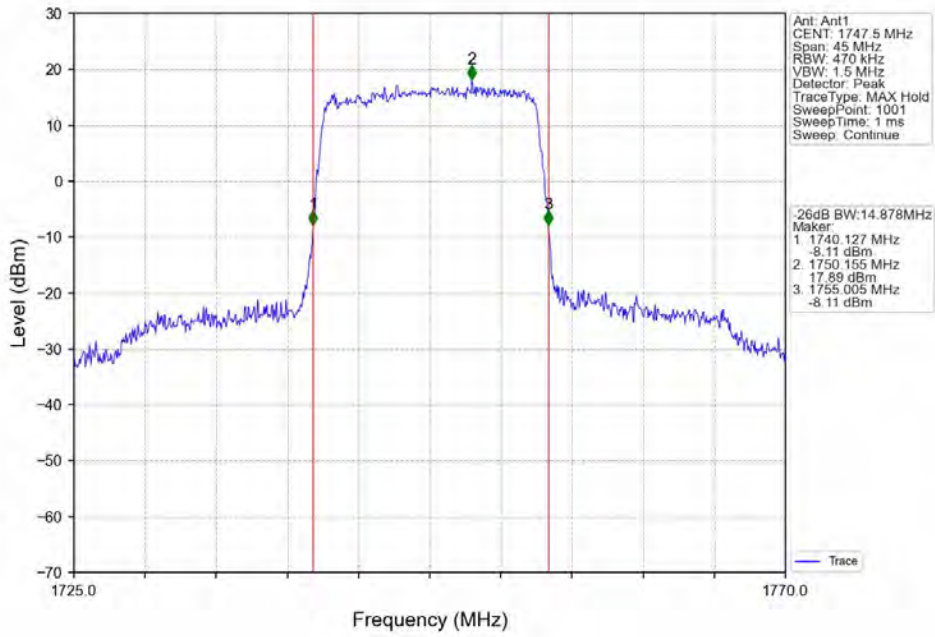
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



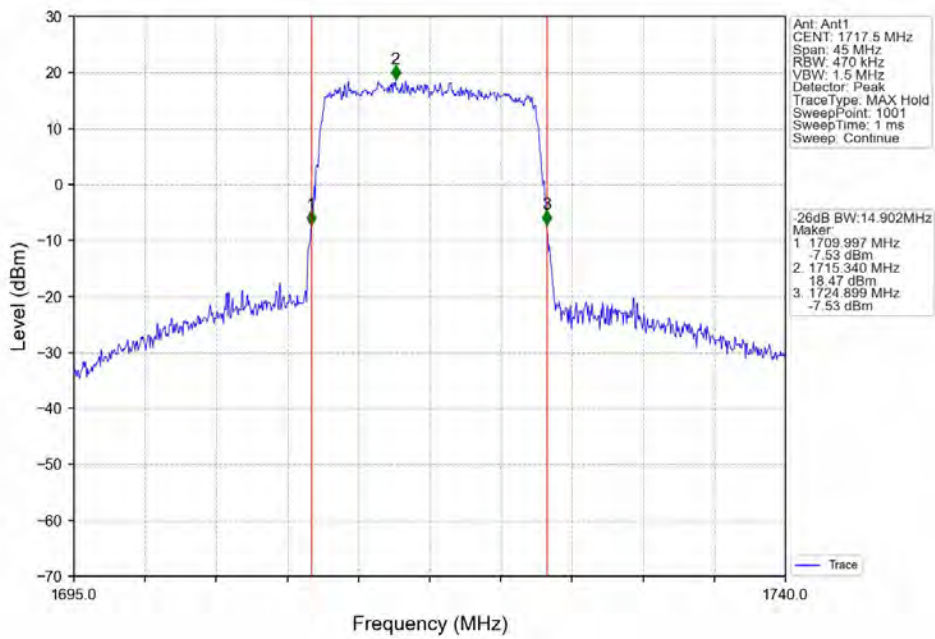
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



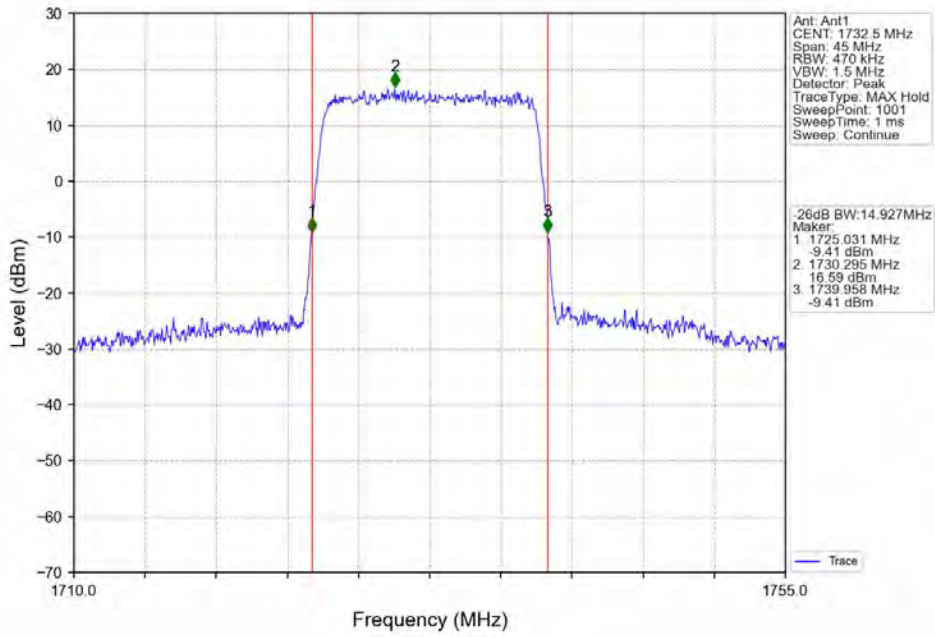
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



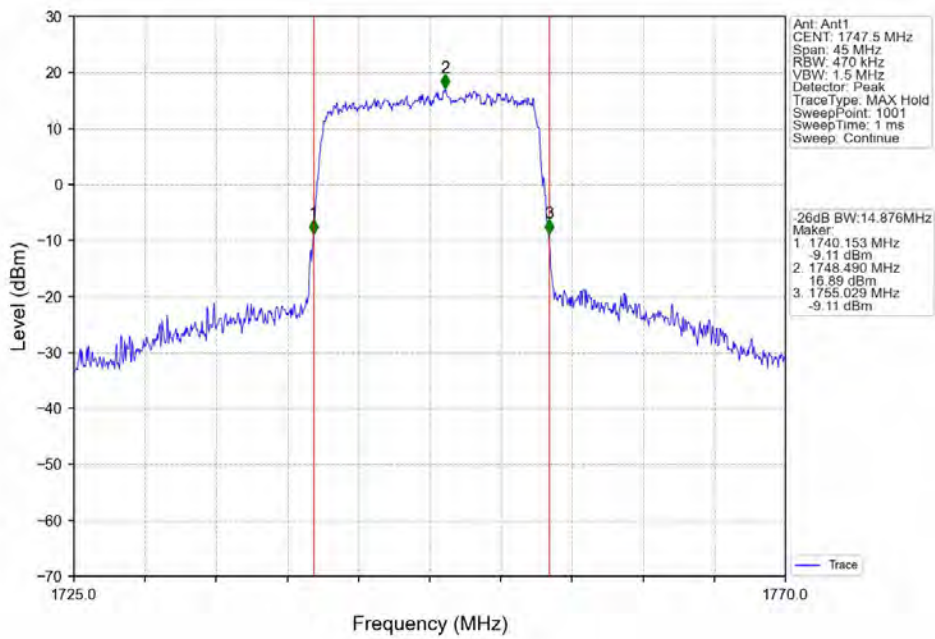
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



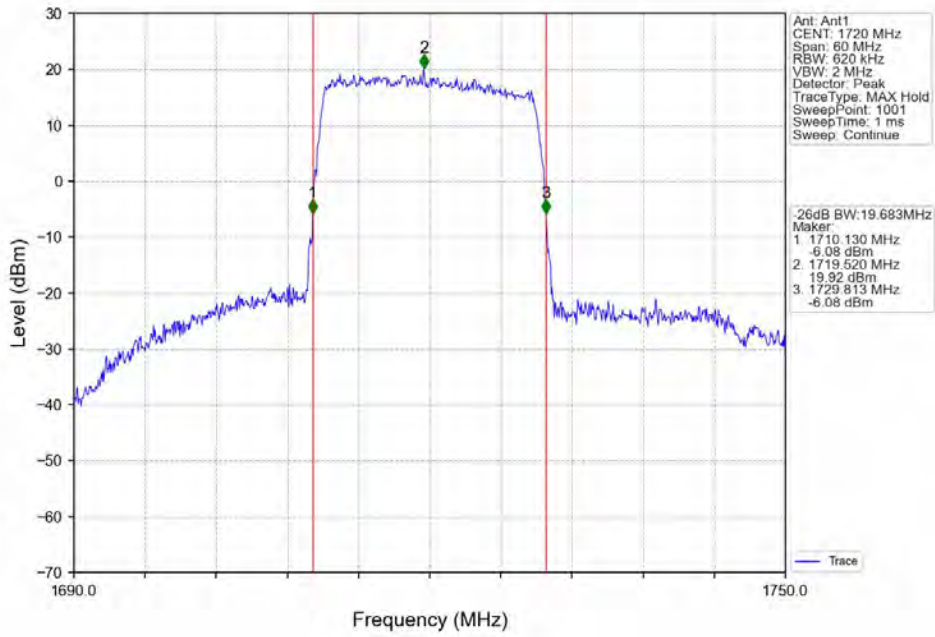
Band4 15MHz 16QAM_MCH_1732.5MHz_RB_75_0_NTNV



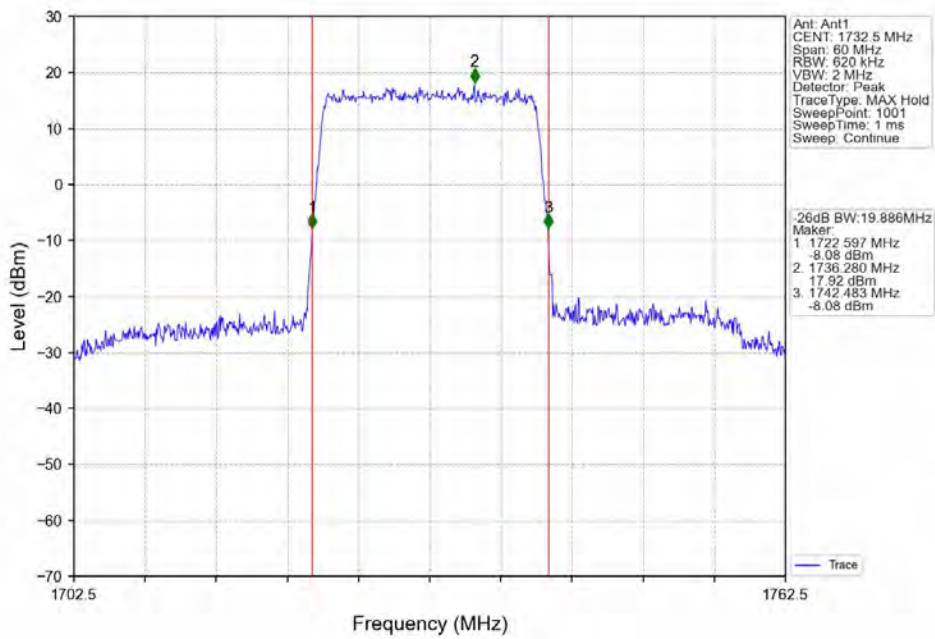
Band4 15MHz 16QAM_HCH_1747.5MHz_RB_75_0_NTNV



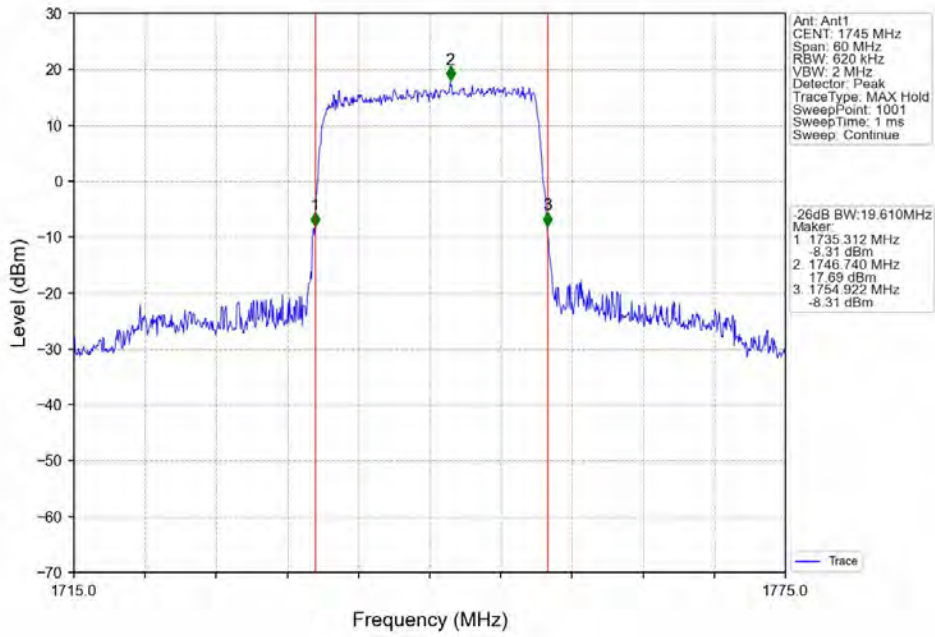
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



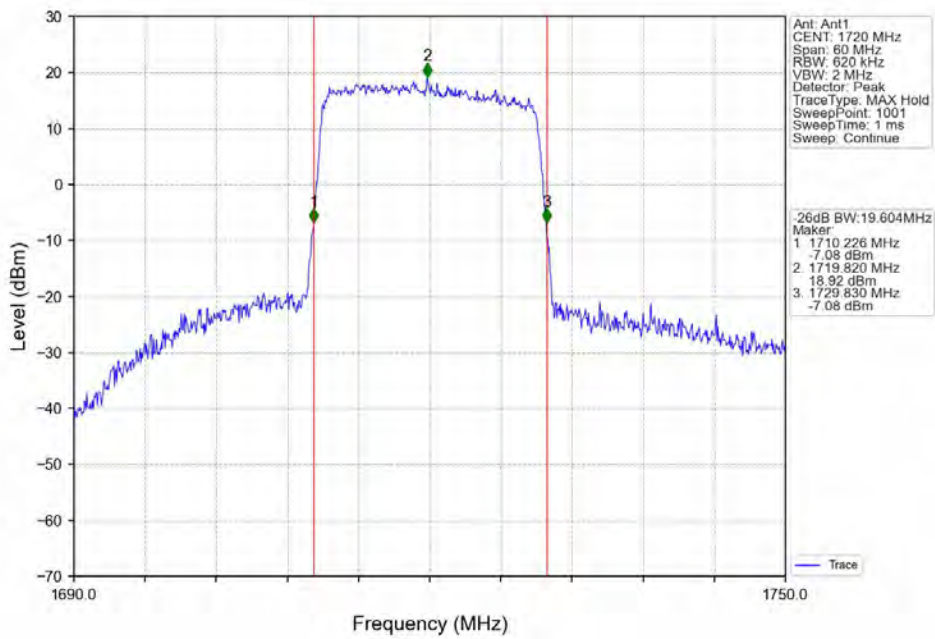
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



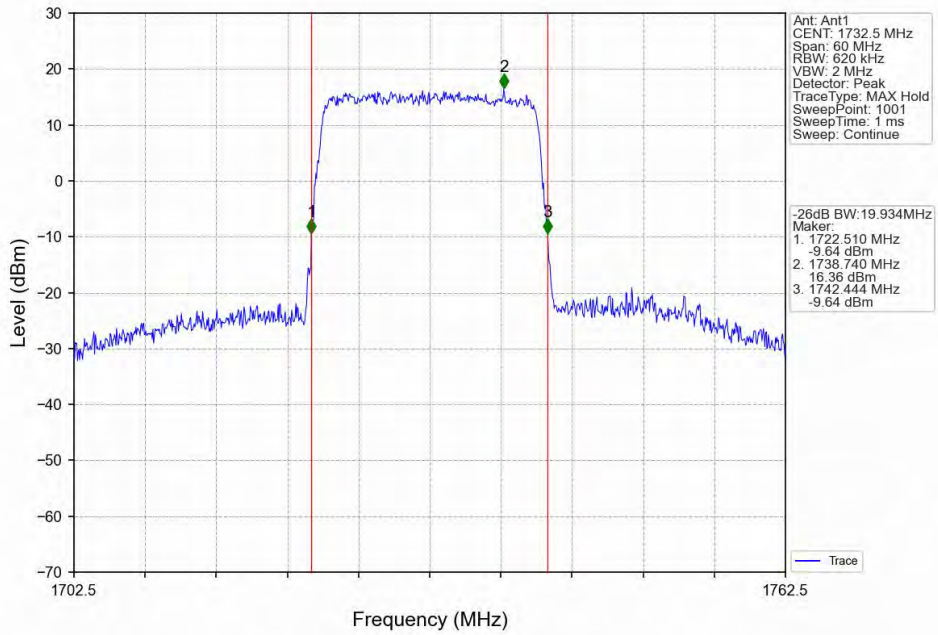
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



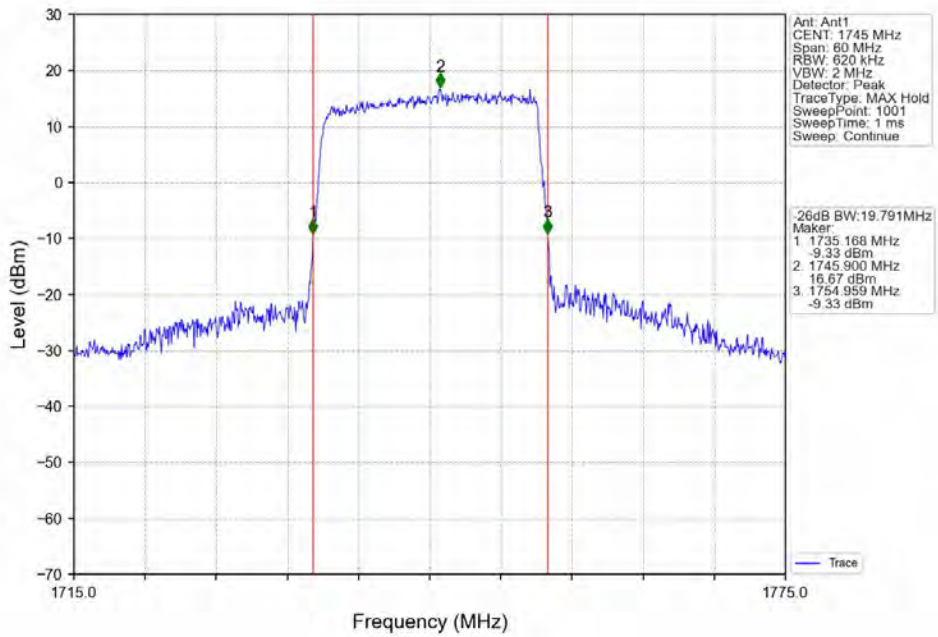
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



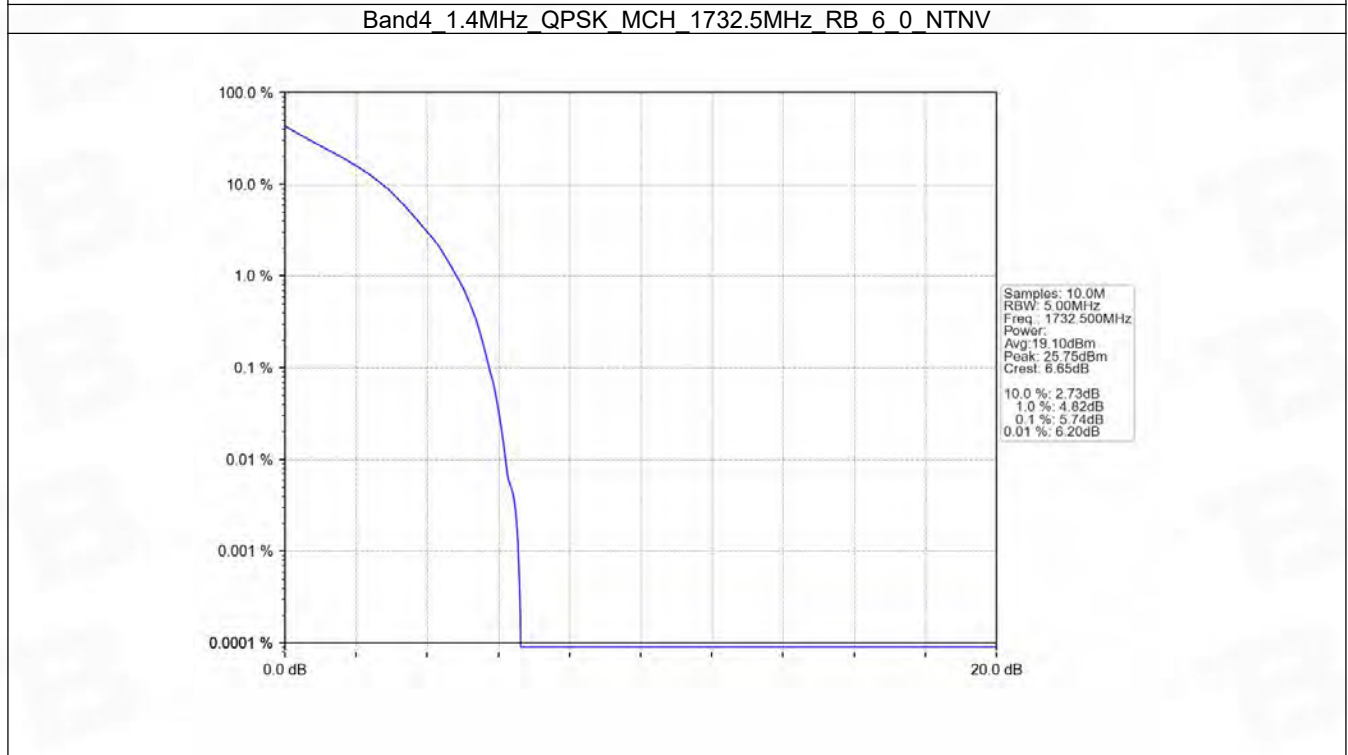
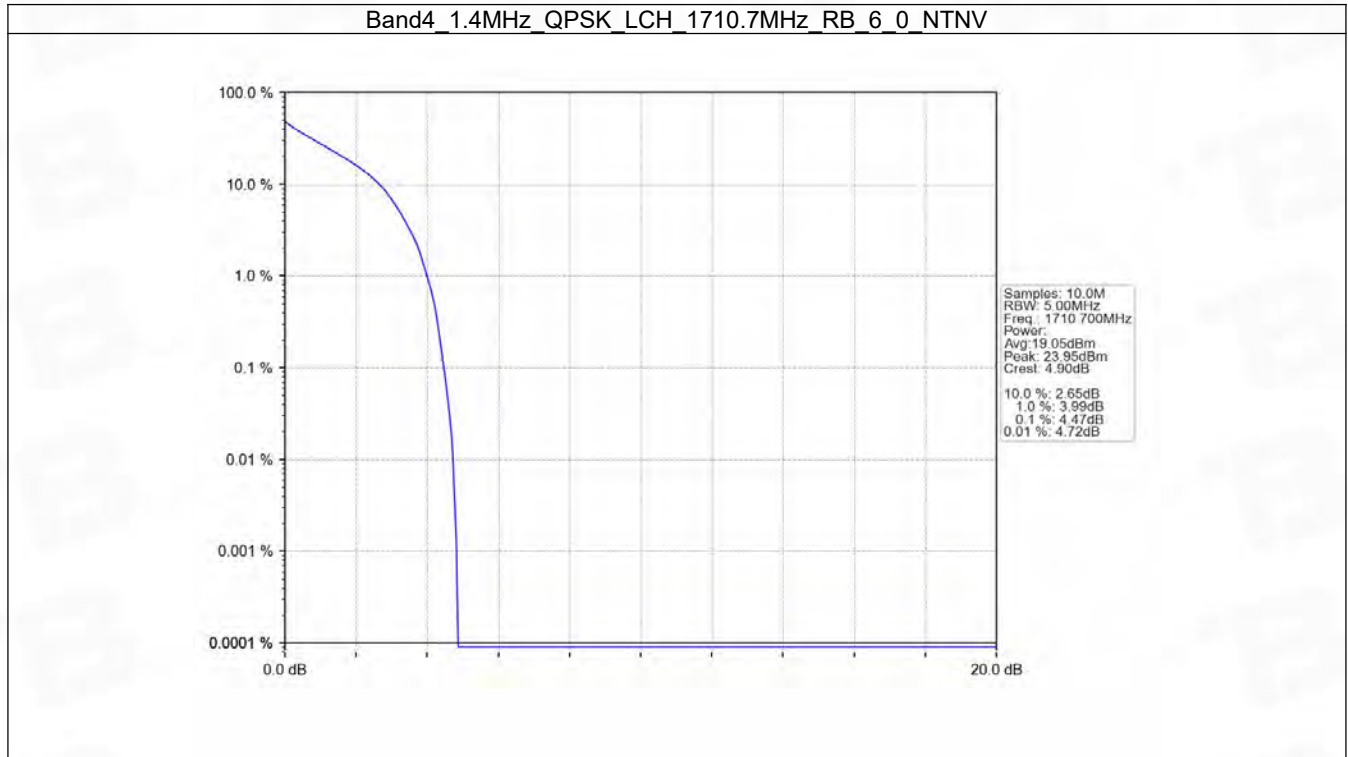
5. Peak-Average Ratio

5.1 B4_1.4MHz

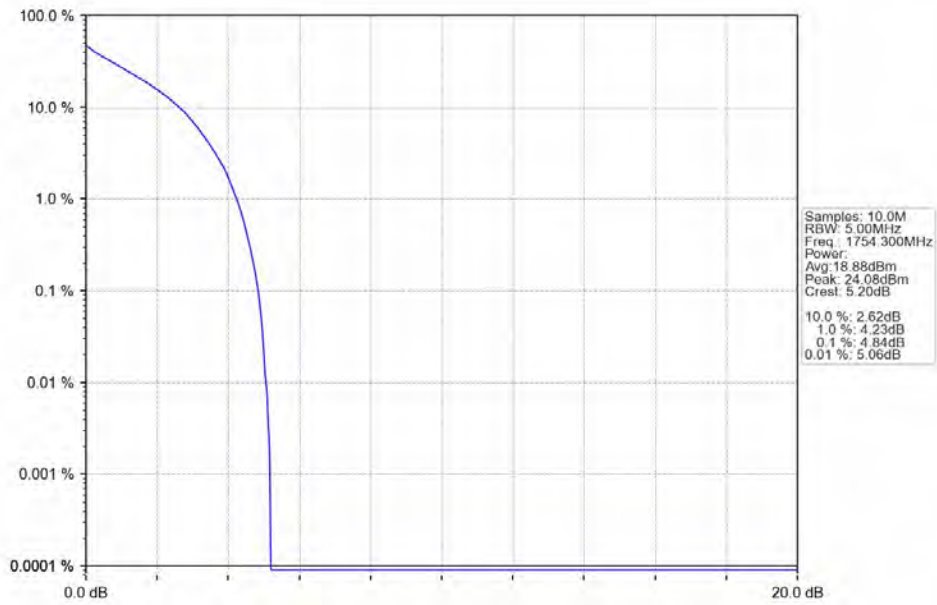
5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.47	<=13	Pass
	1732.5	6	0	5.74	<=13	Pass
	1754.3	6	0	4.84	<=13	Pass
16QAM	1710.7	6	0	5.28	<=13	Pass
	1732.5	6	0	6.60	<=13	Pass
	1754.3	6	0	5.60	<=13	Pass

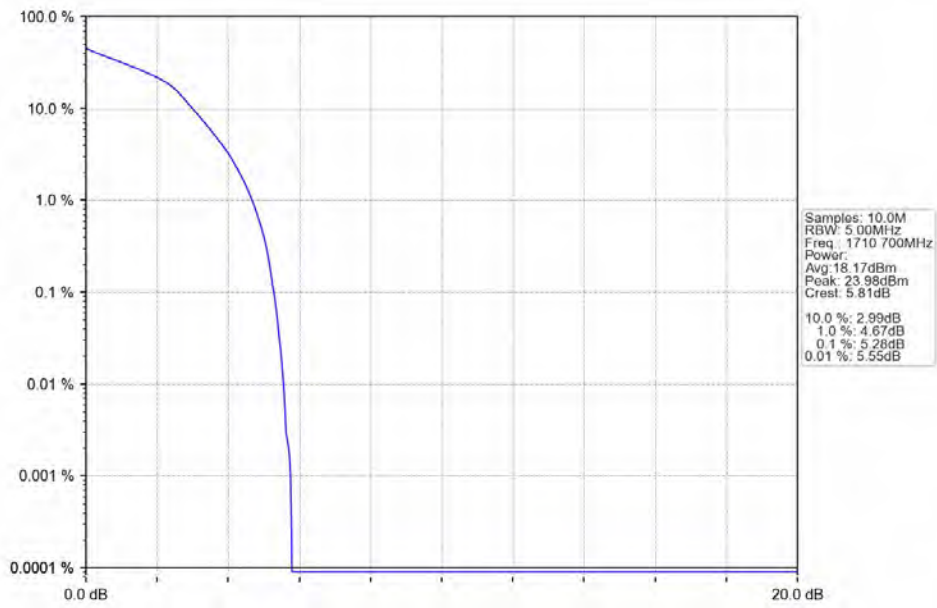
5.1.2 Test Graph



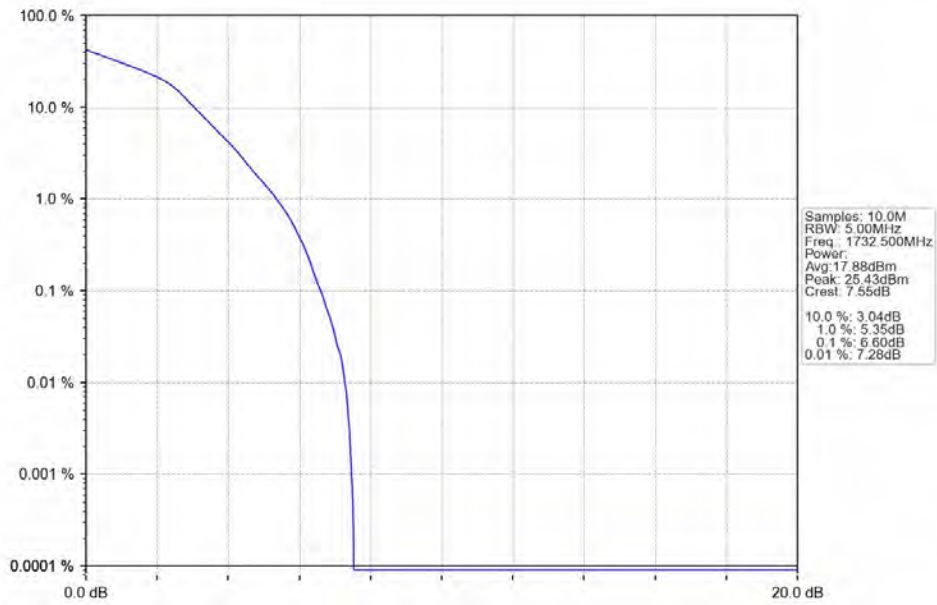
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



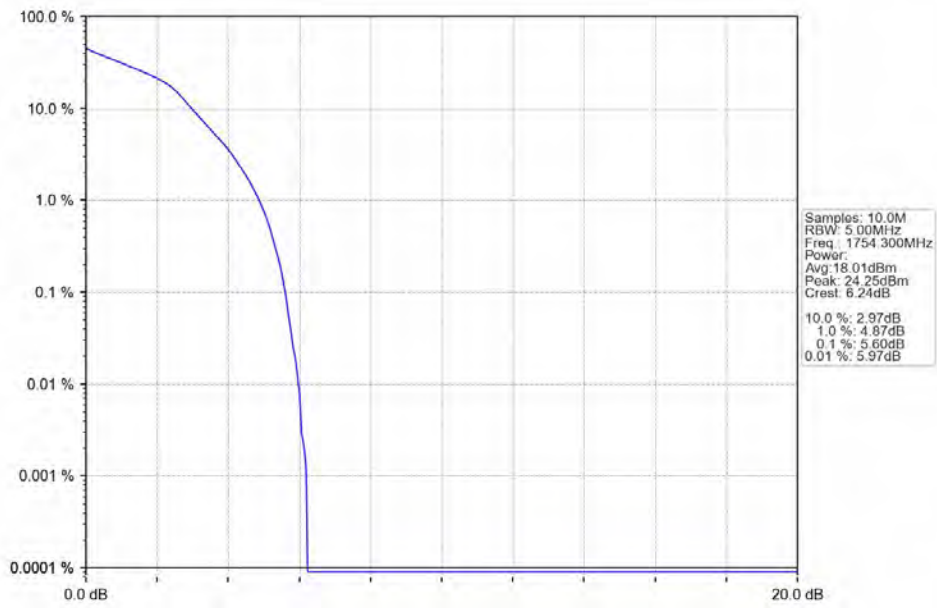
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



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



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

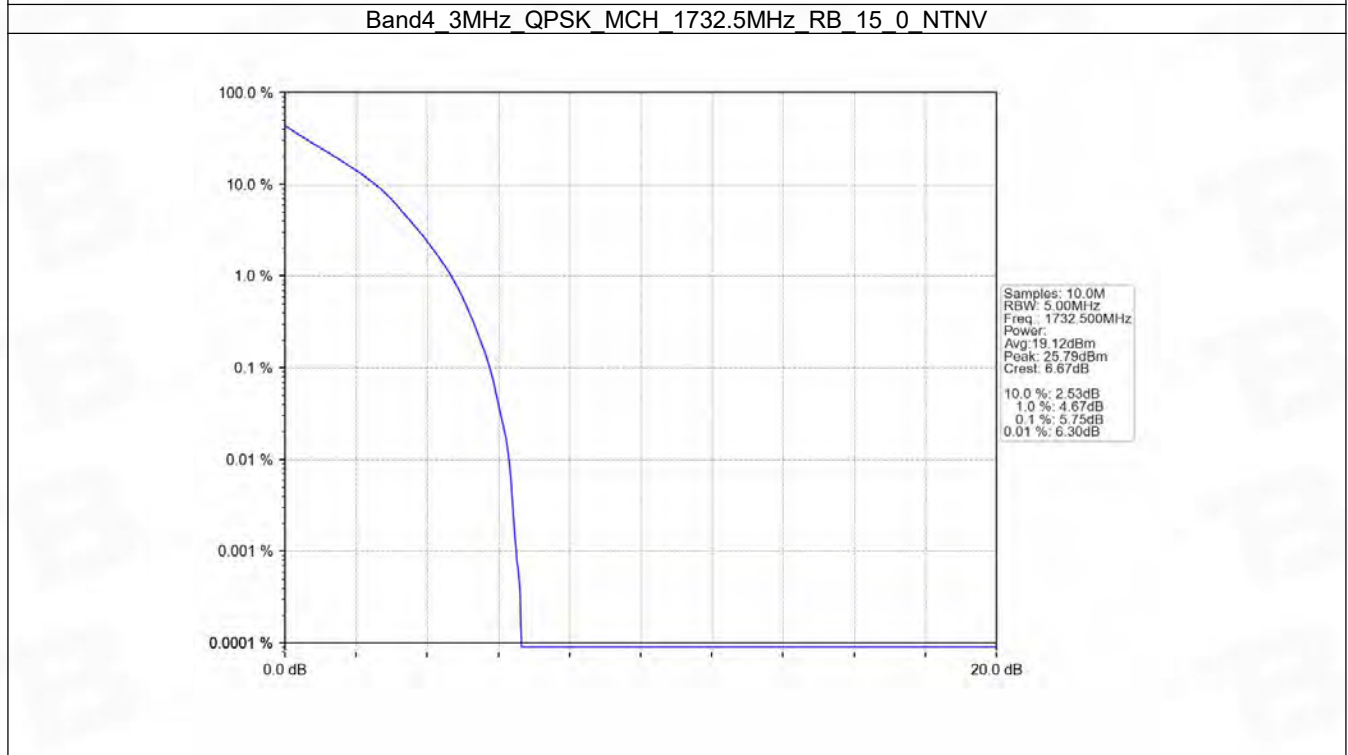
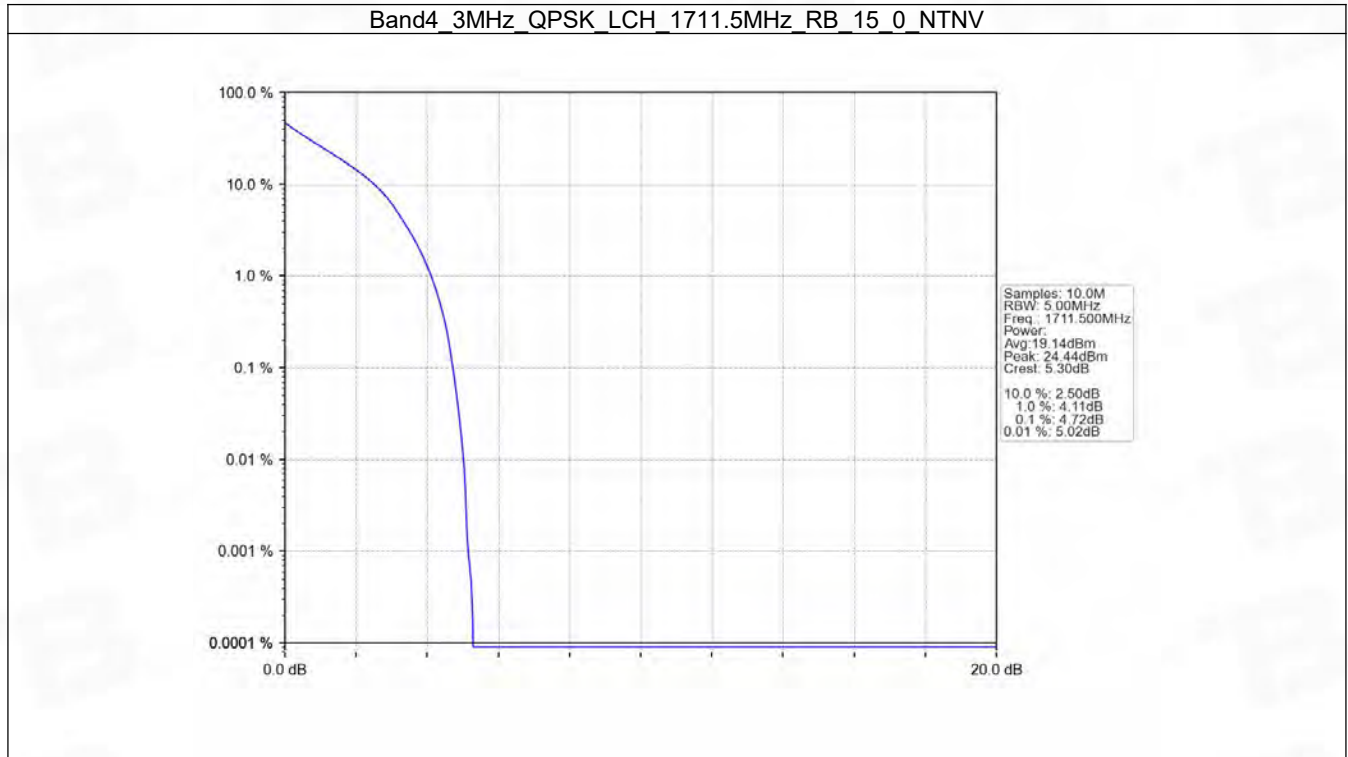


5.2 B4_3MHz

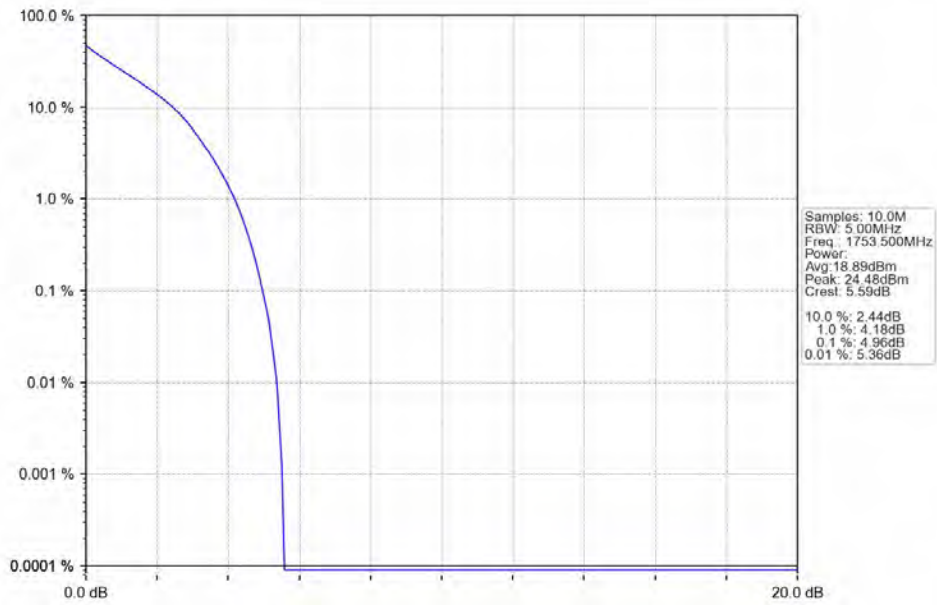
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.72	<=13	Pass
	1732.5	15	0	5.75	<=13	Pass
	1753.5	15	0	4.96	<=13	Pass
16QAM	1711.5	15	0	5.56	<=13	Pass
	1732.5	15	0	6.62	<=13	Pass
	1753.5	15	0	5.80	<=13	Pass

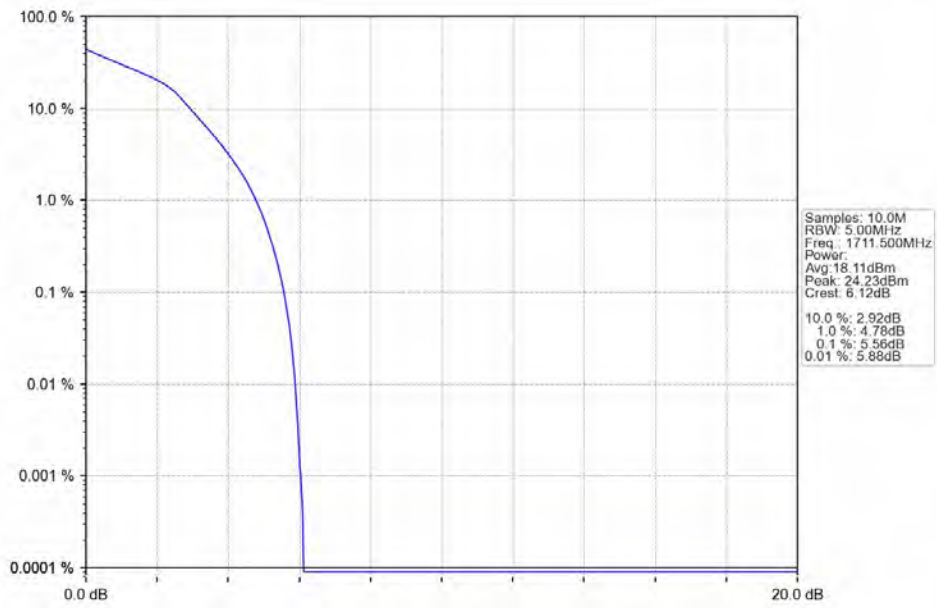
5.2.2 Test Graph



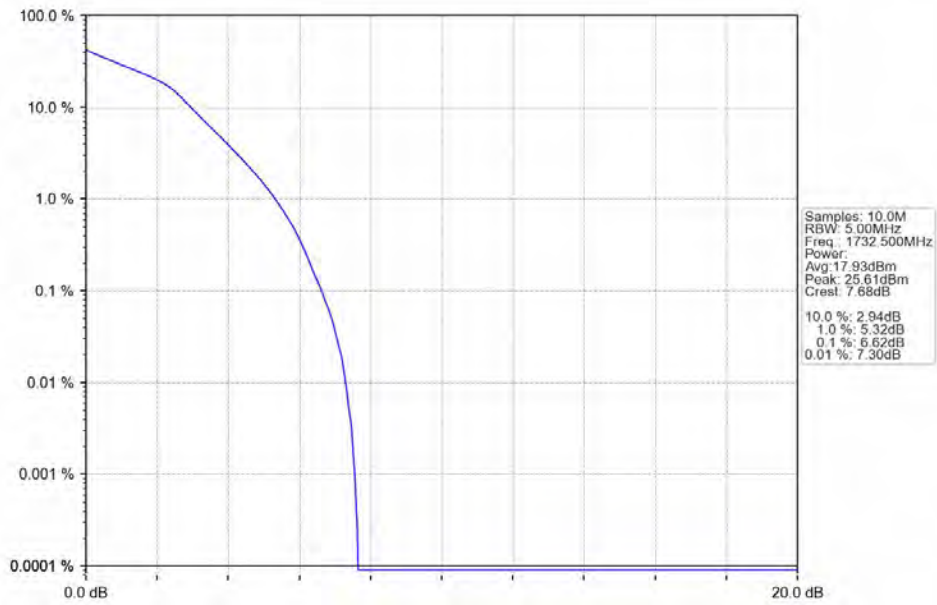
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



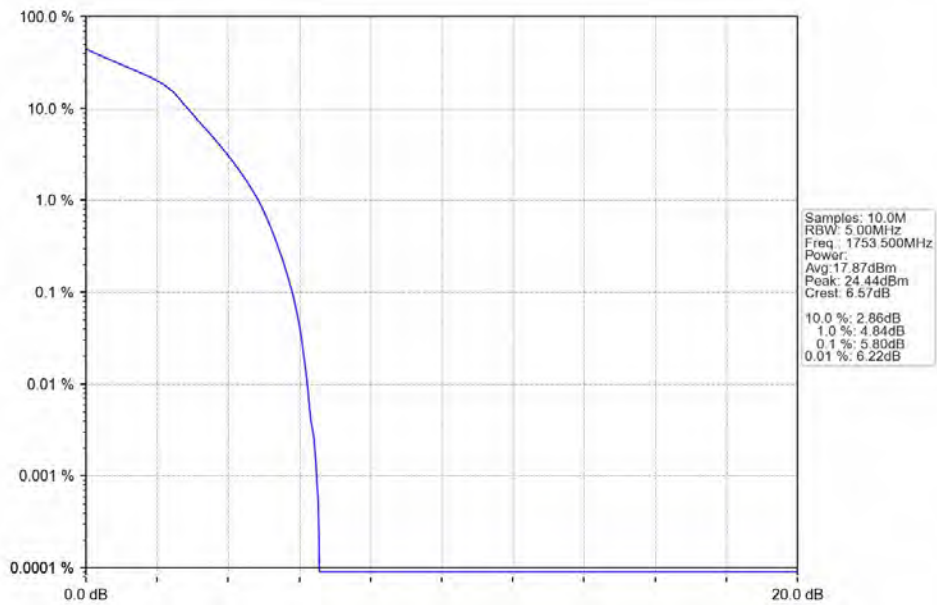
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

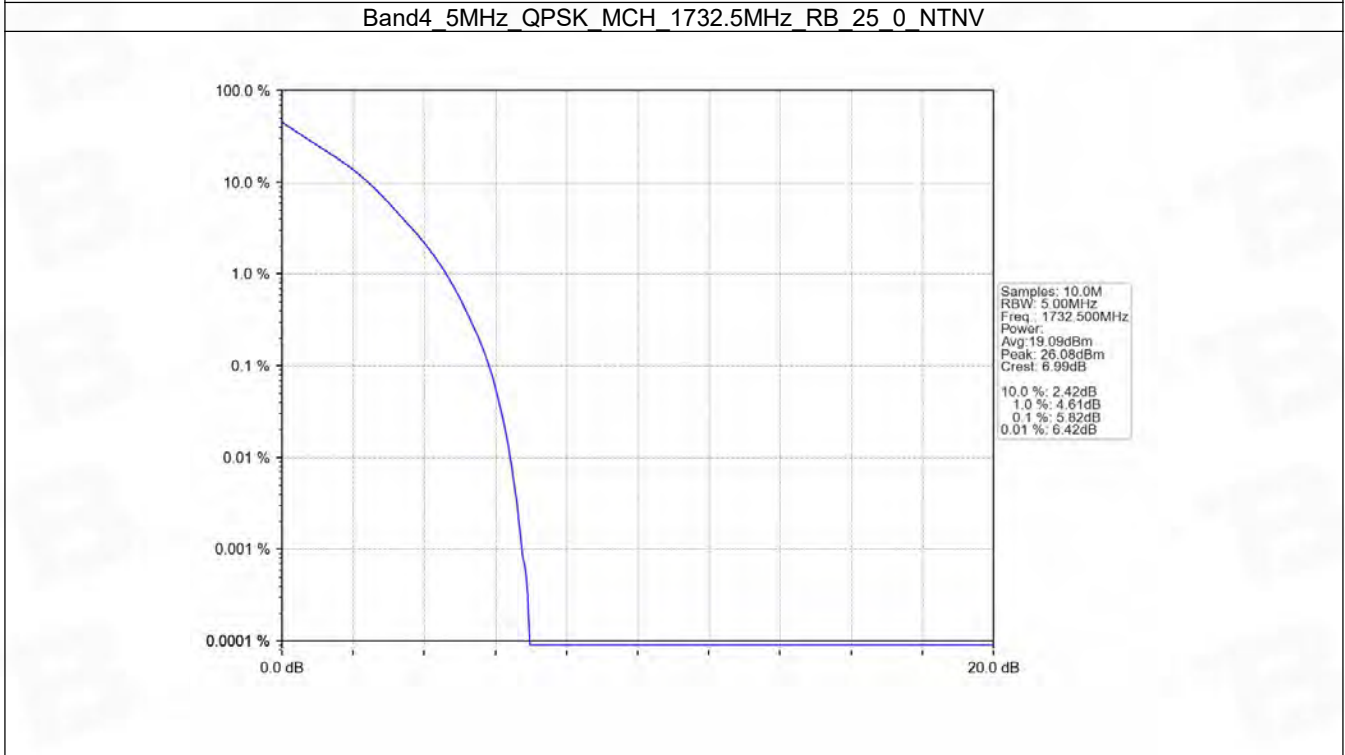
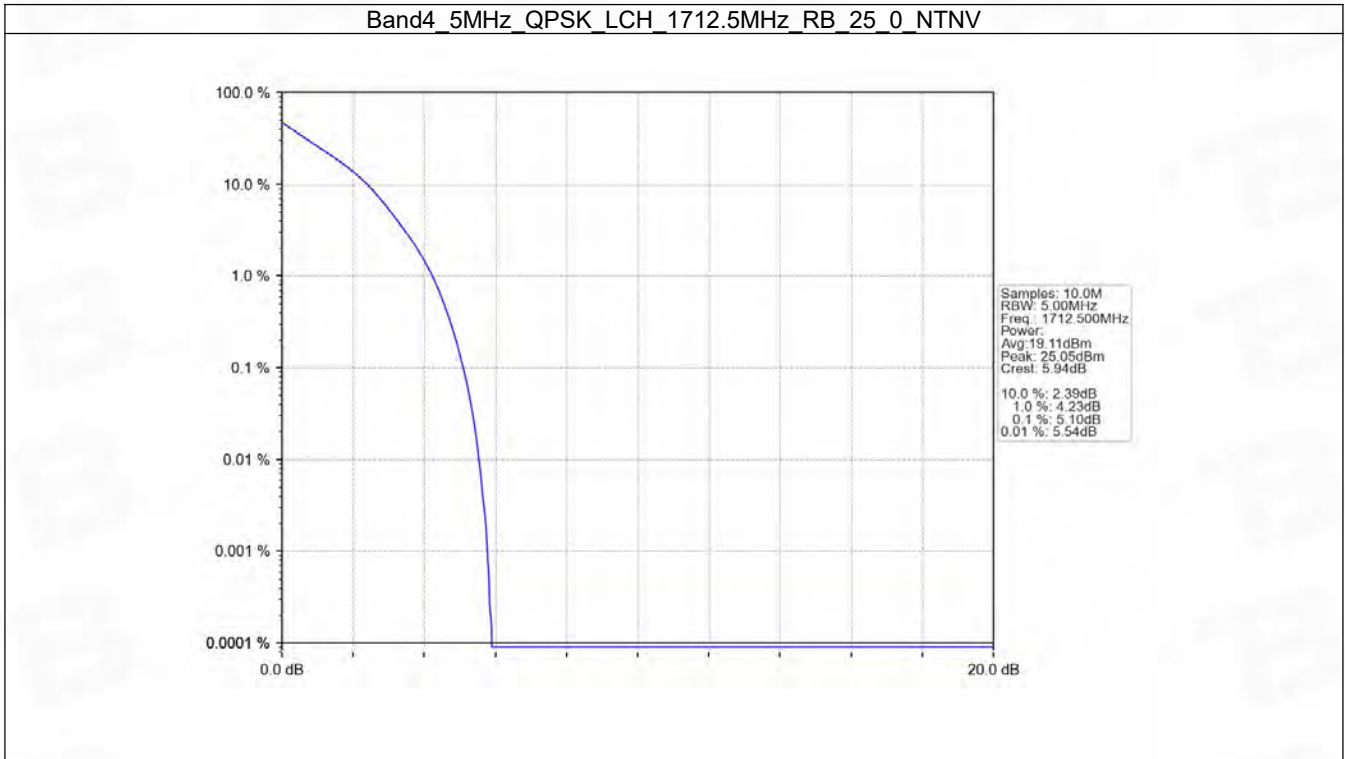


5.3 B4_5MHz

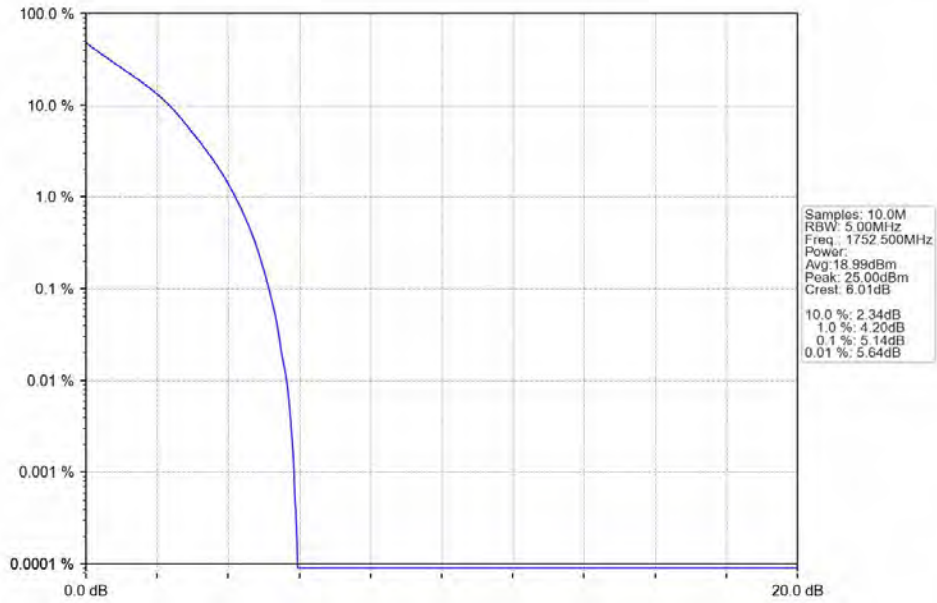
5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.10	<=13	Pass
	1732.5	25	0	5.82	<=13	Pass
	1752.5	25	0	5.14	<=13	Pass
16QAM	1712.5	25	0	5.86	<=13	Pass
	1732.5	25	0	6.55	<=13	Pass
	1752.5	25	0	5.88	<=13	Pass

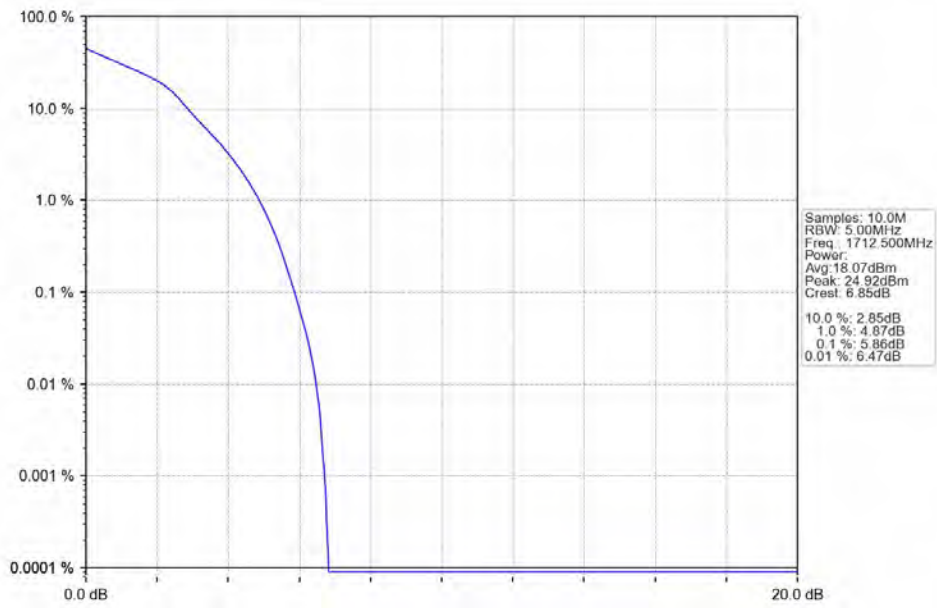
5.3.2 Test Graph



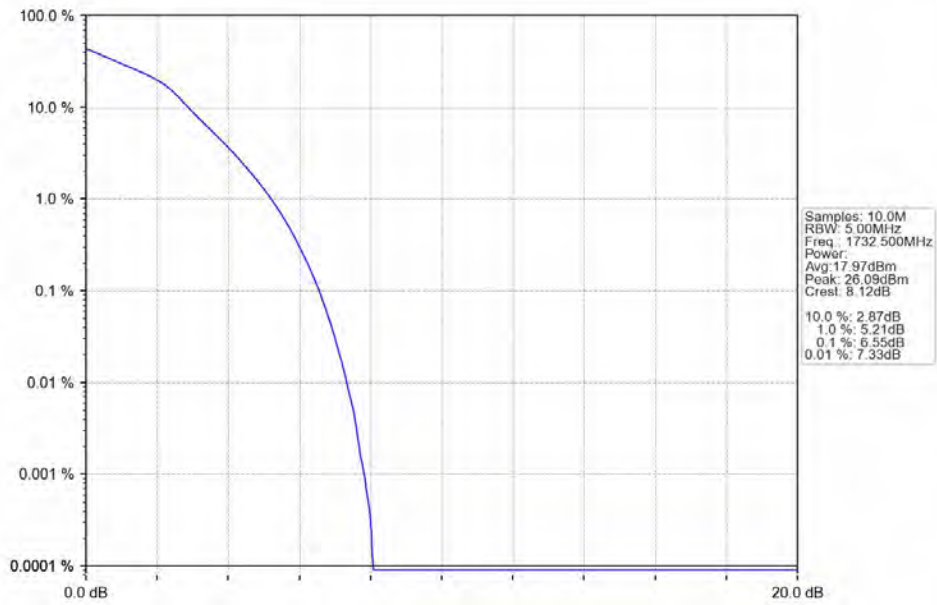
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



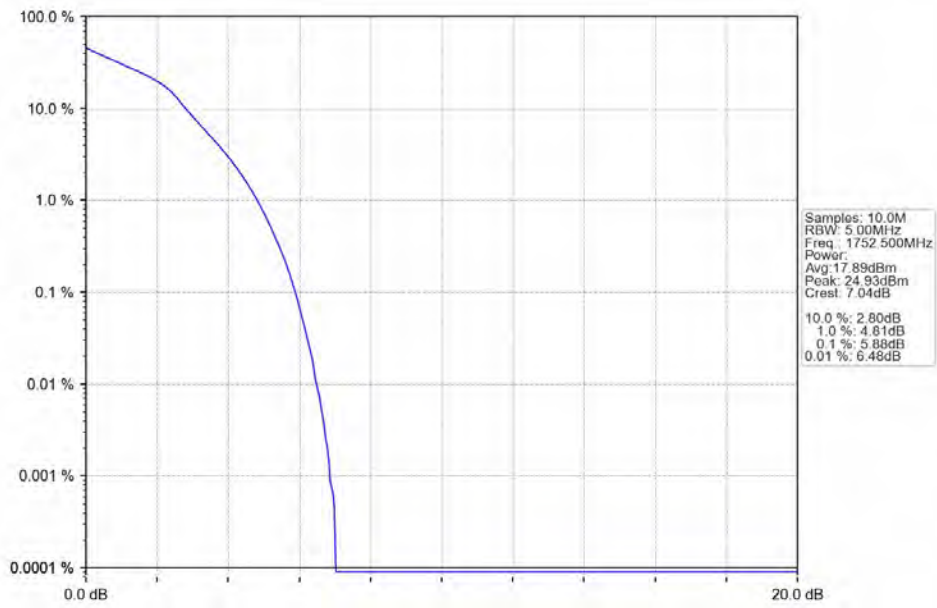
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

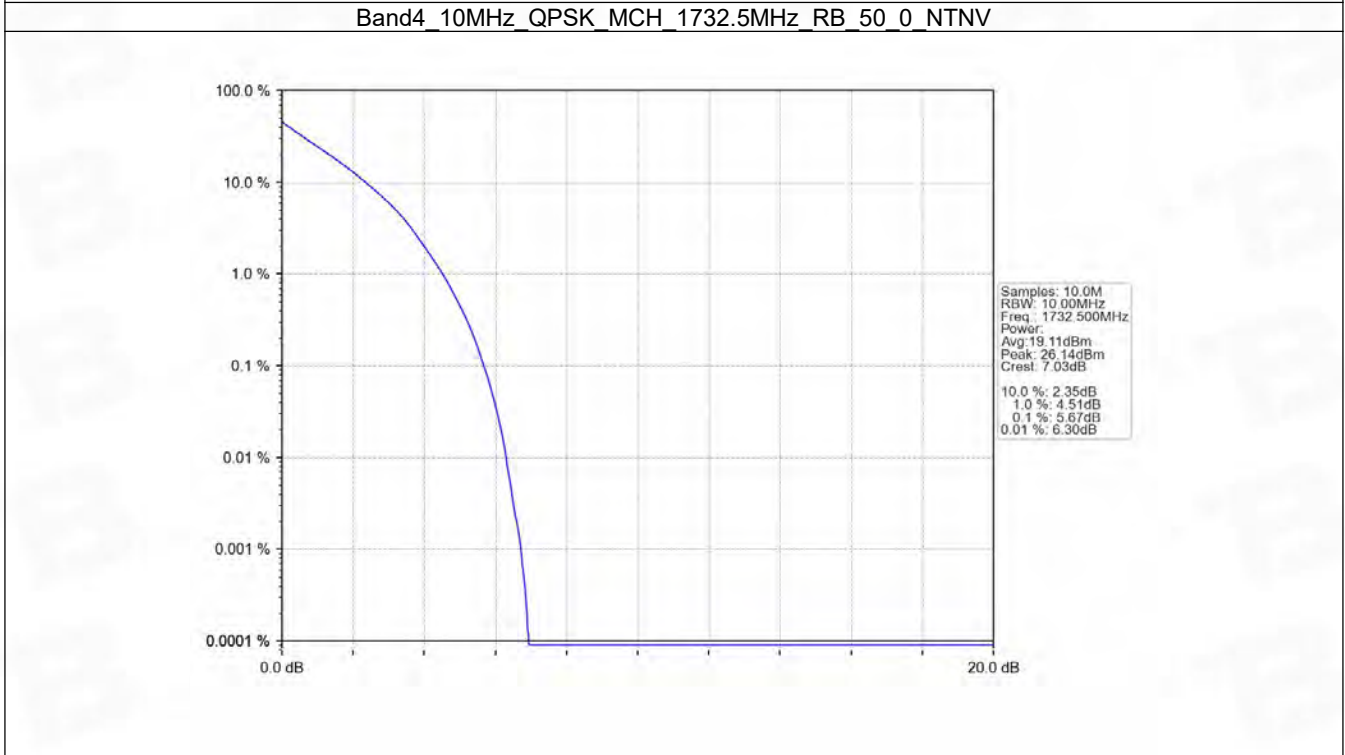
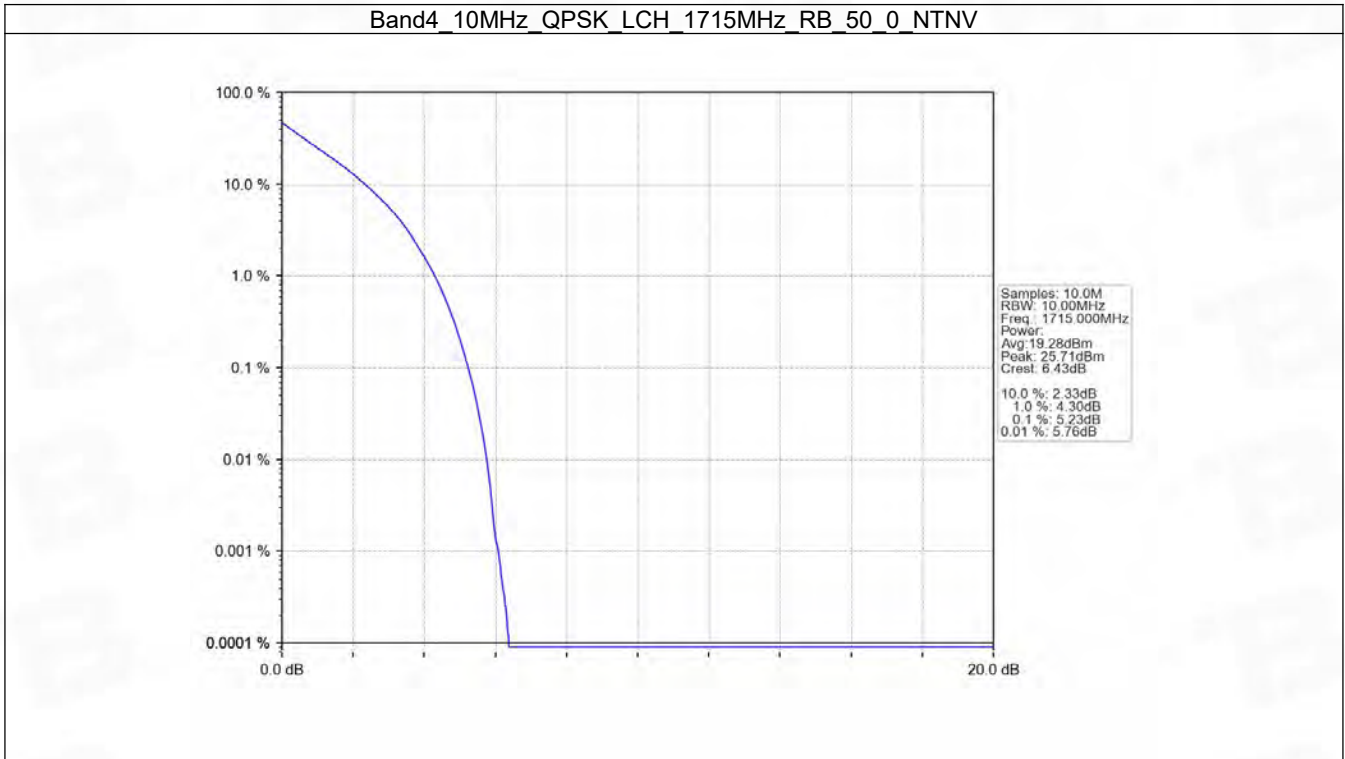


5.4 B4_10MHz

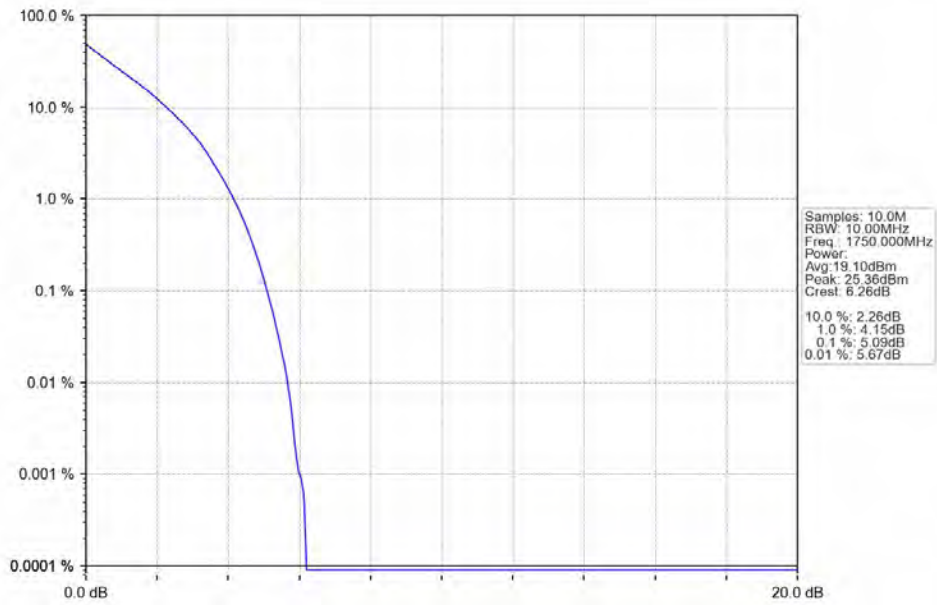
5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.23	<=13	Pass
	1732.5	50	0	5.67	<=13	Pass
	1750	50	0	5.09	<=13	Pass
16QAM	1715	50	0	6.12	<=13	Pass
	1732.5	50	0	6.50	<=13	Pass
	1750	50	0	5.83	<=13	Pass

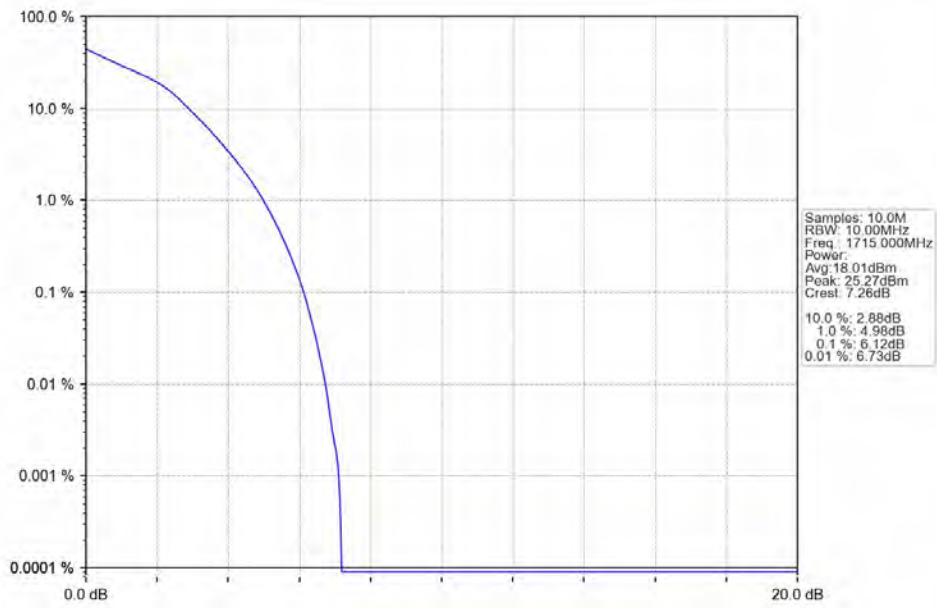
5.4.2 Test Graph



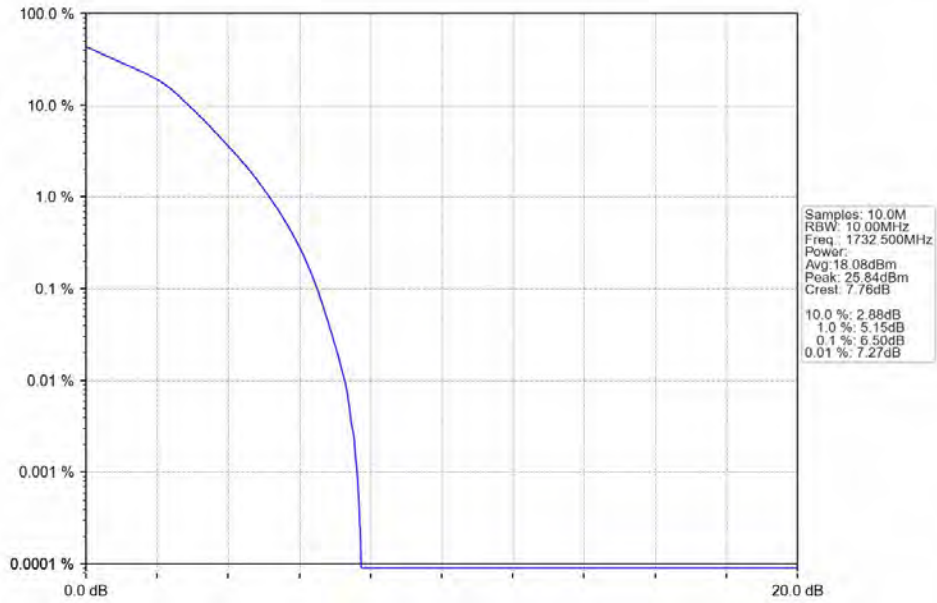
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



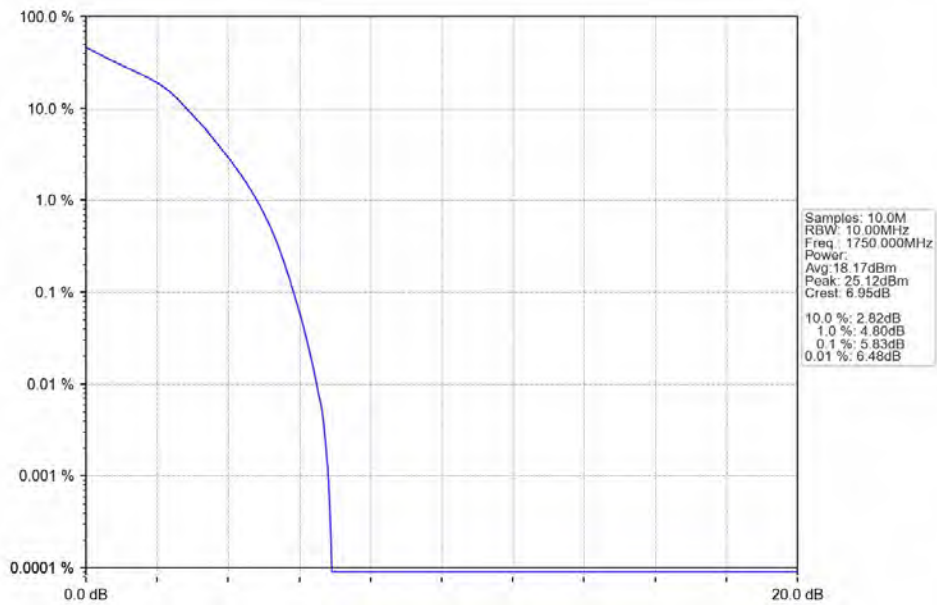
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

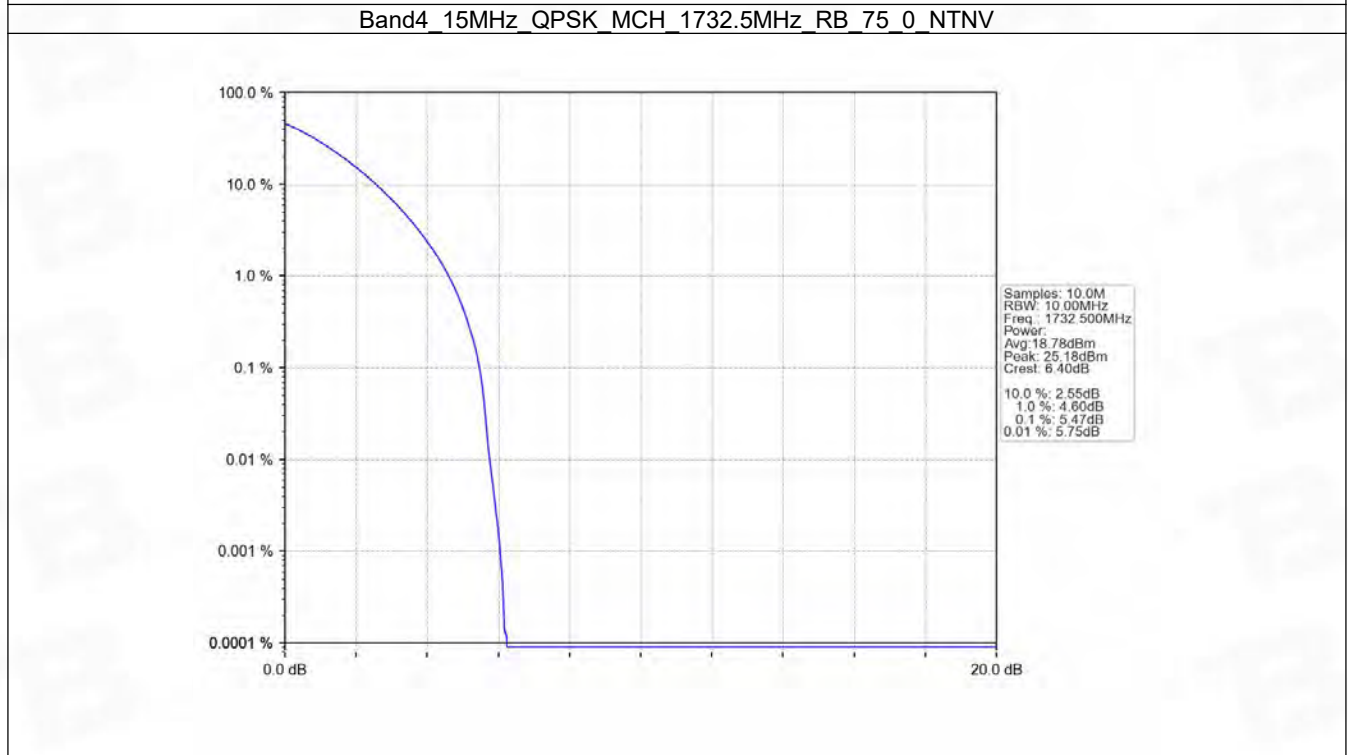
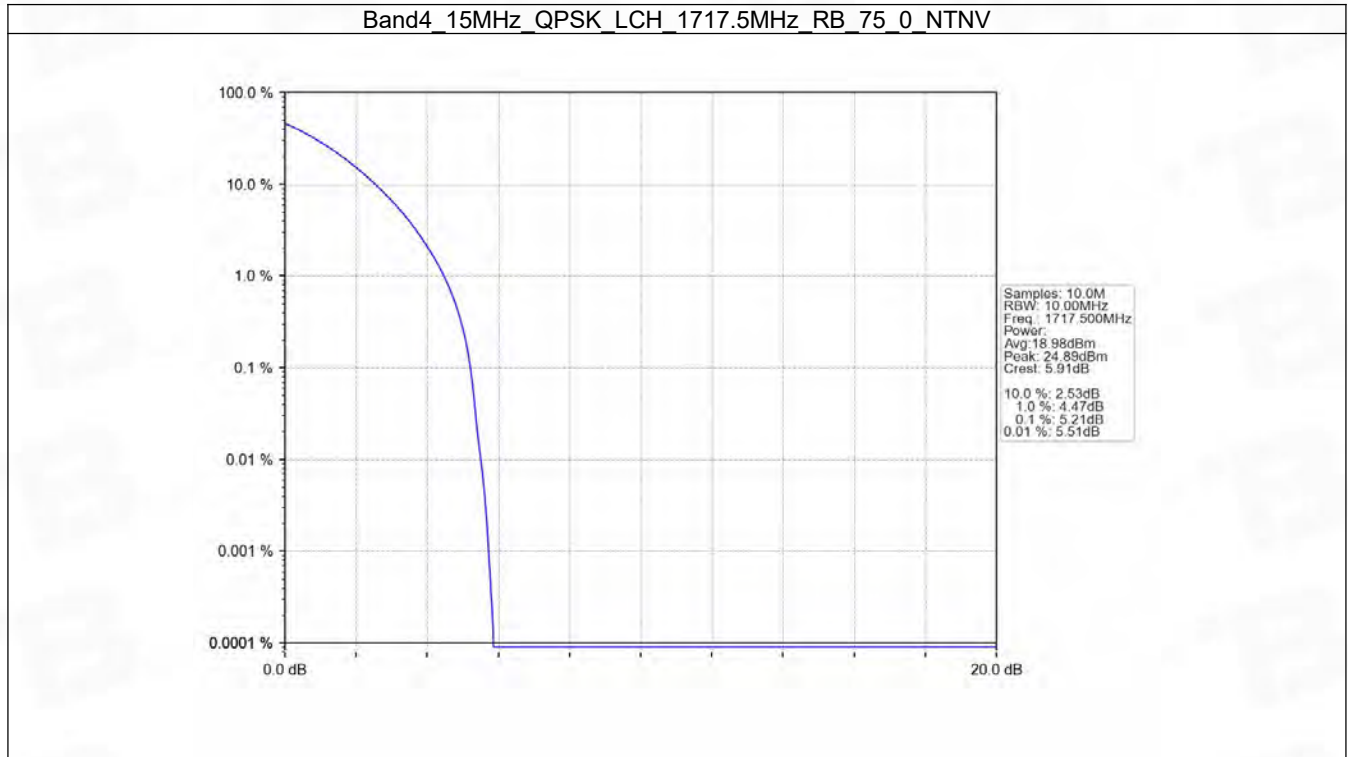


5.5 B4_15MHz

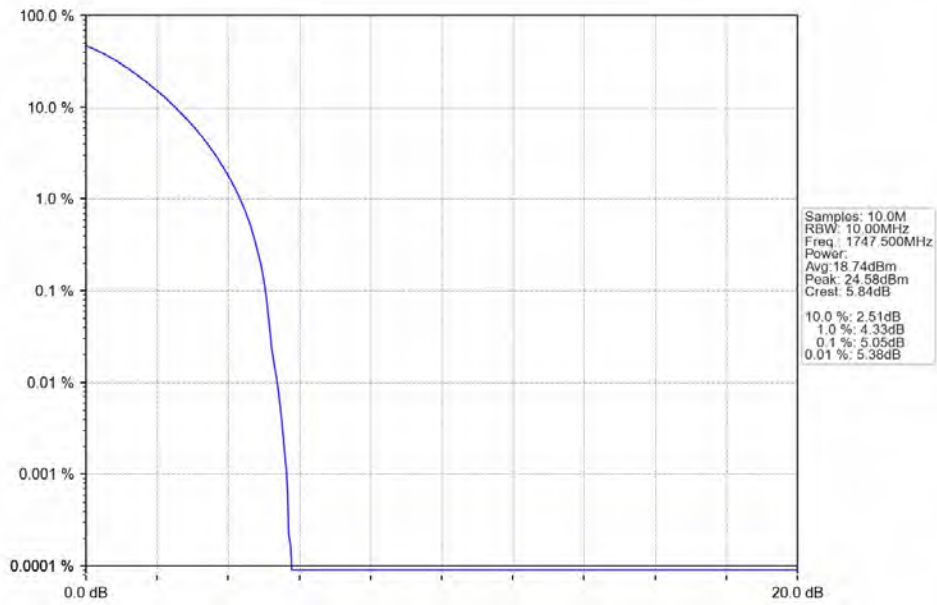
5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.21	<=13	Pass
	1732.5	75	0	5.47	<=13	Pass
	1747.5	75	0	5.05	<=13	Pass
16QAM	1717.5	75	0	6.04	<=13	Pass
	1732.5	75	0	6.28	<=13	Pass
	1747.5	75	0	5.88	<=13	Pass

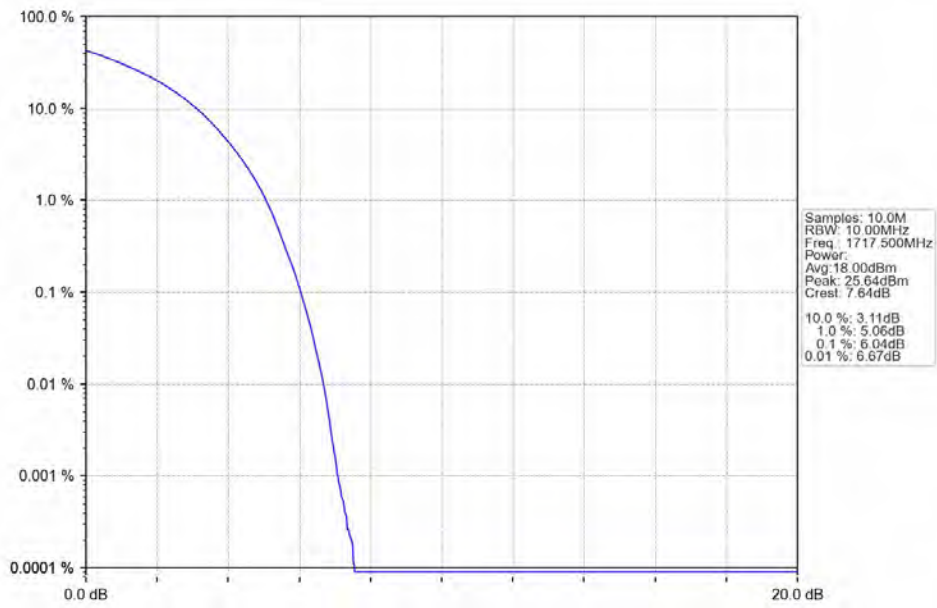
5.5.2 Test Graph



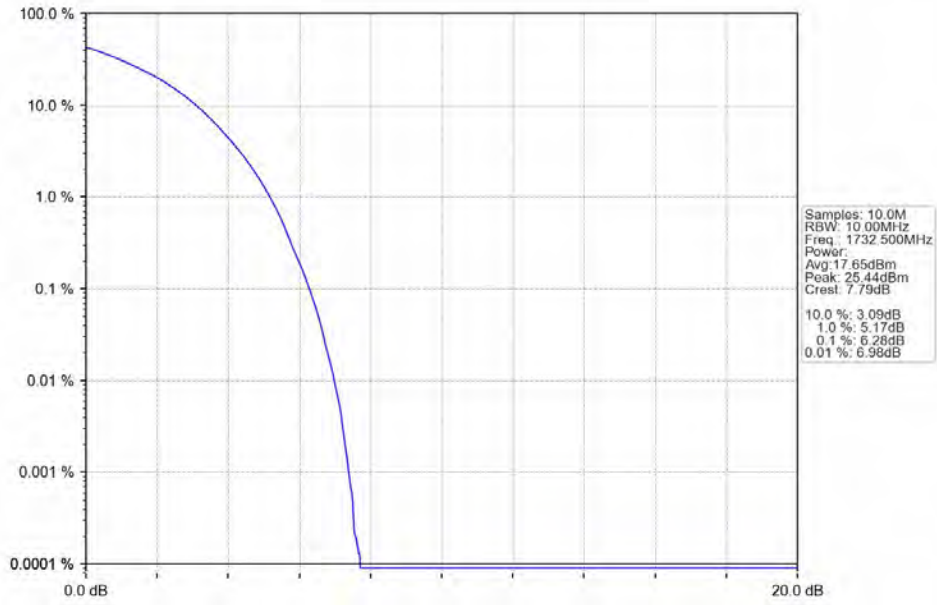
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



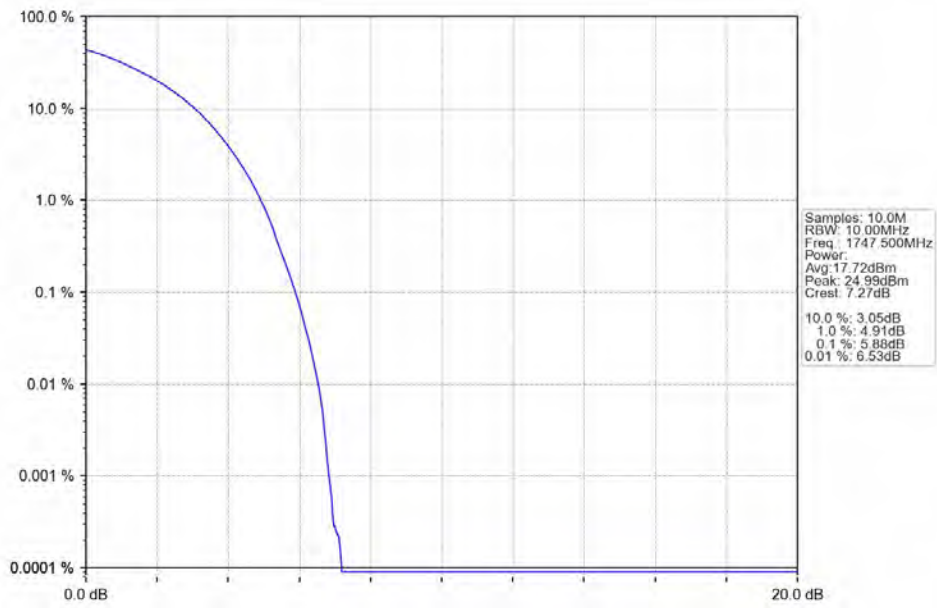
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band4 15MHz 16QAM MCH 1732.5MHz RB 75_0_NTNV



Band4 15MHz 16QAM HCH 1747.5MHz RB 75_0_NTNV

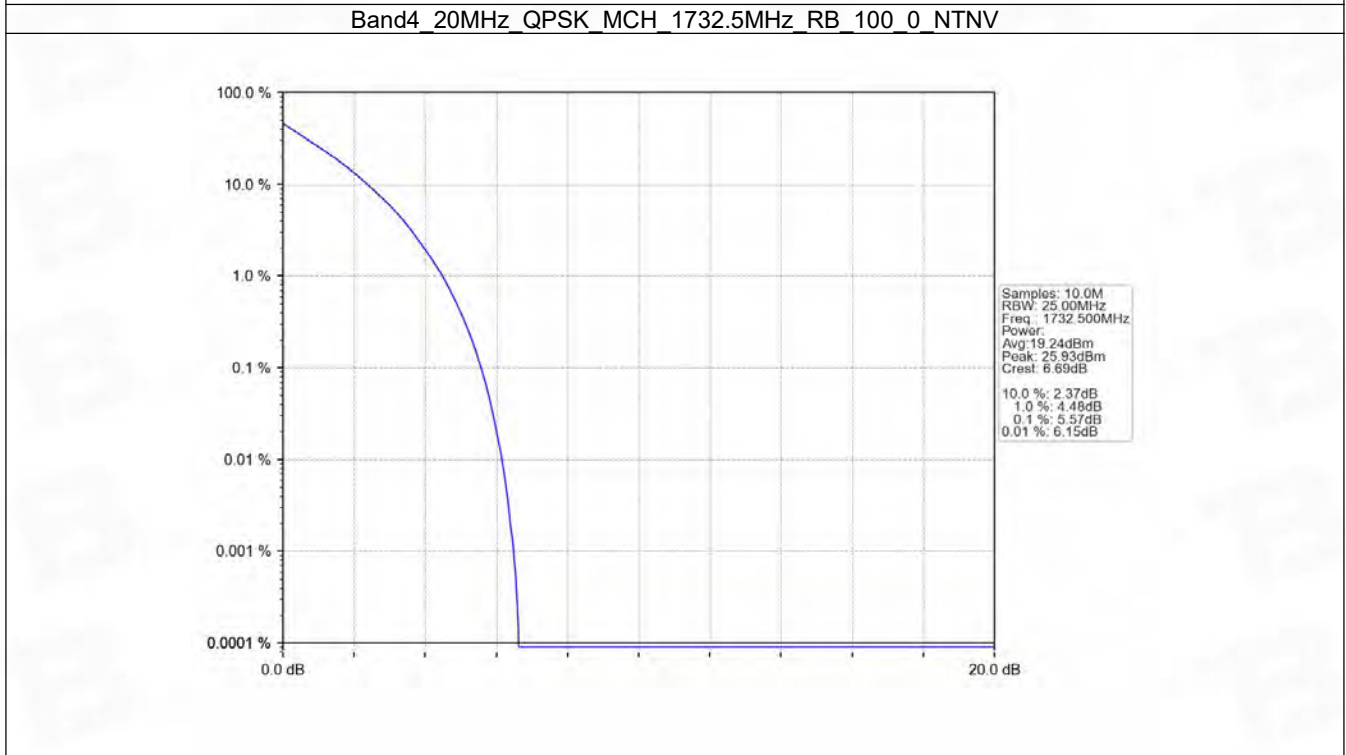
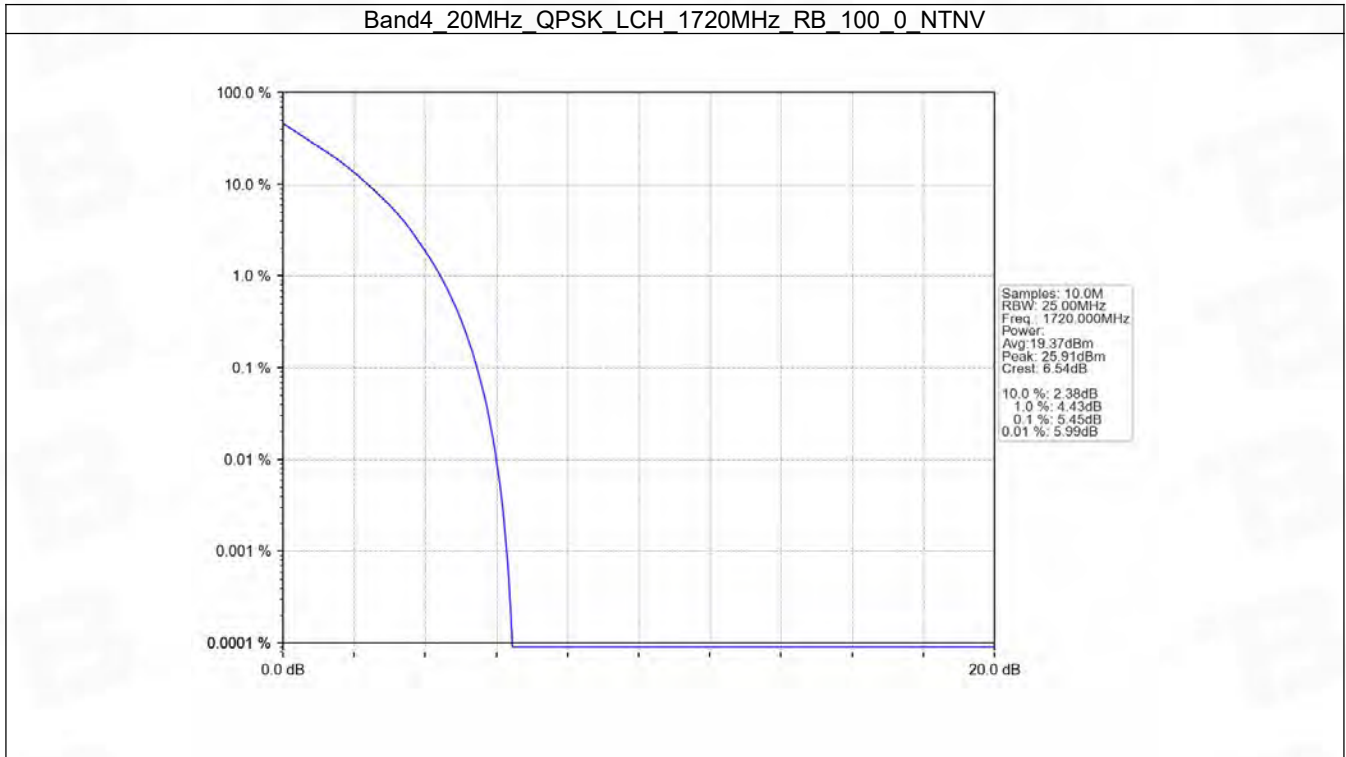


5.6 B4_20MHz

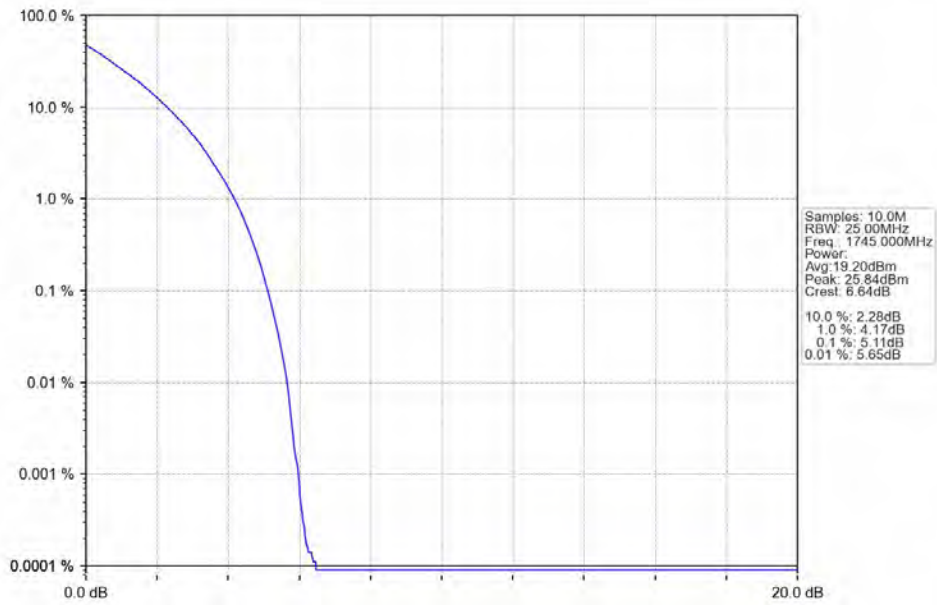
5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.45	<=13	Pass
	1732.5	100	0	5.57	<=13	Pass
	1745	100	0	5.11	<=13	Pass
16QAM	1720	100	0	6.25	<=13	Pass
	1732.5	100	0	6.39	<=13	Pass
	1745	100	0	5.94	<=13	Pass

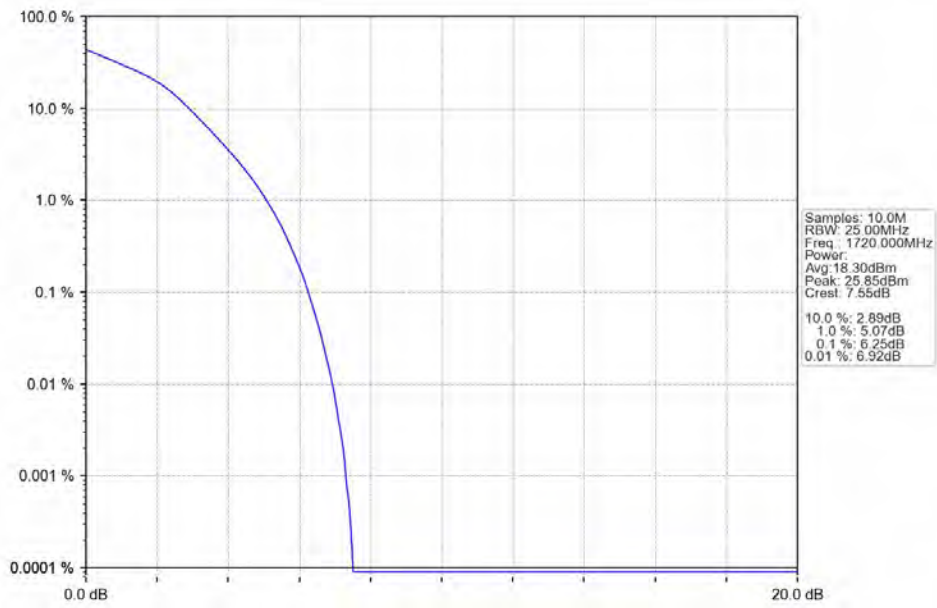
5.6.2 Test Graph



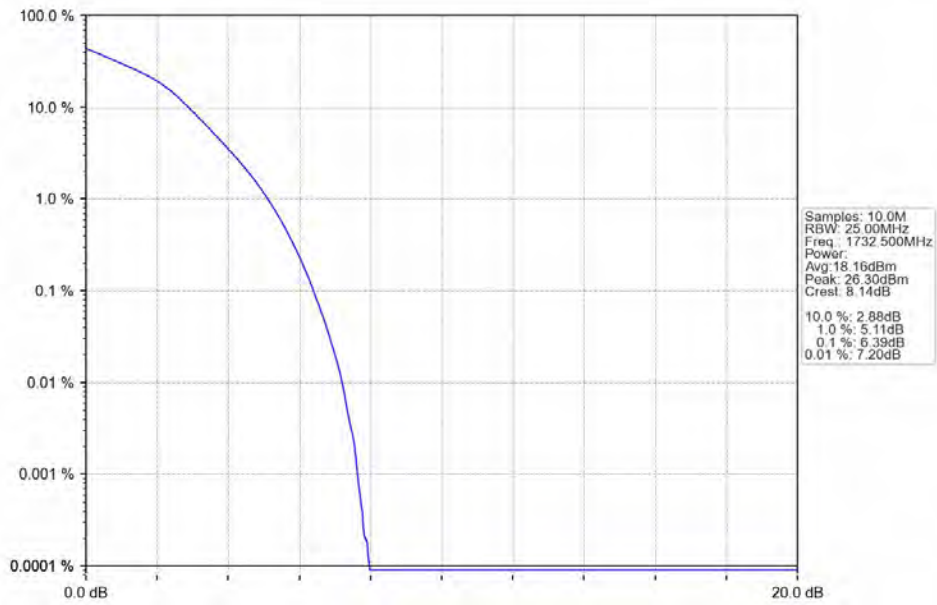
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



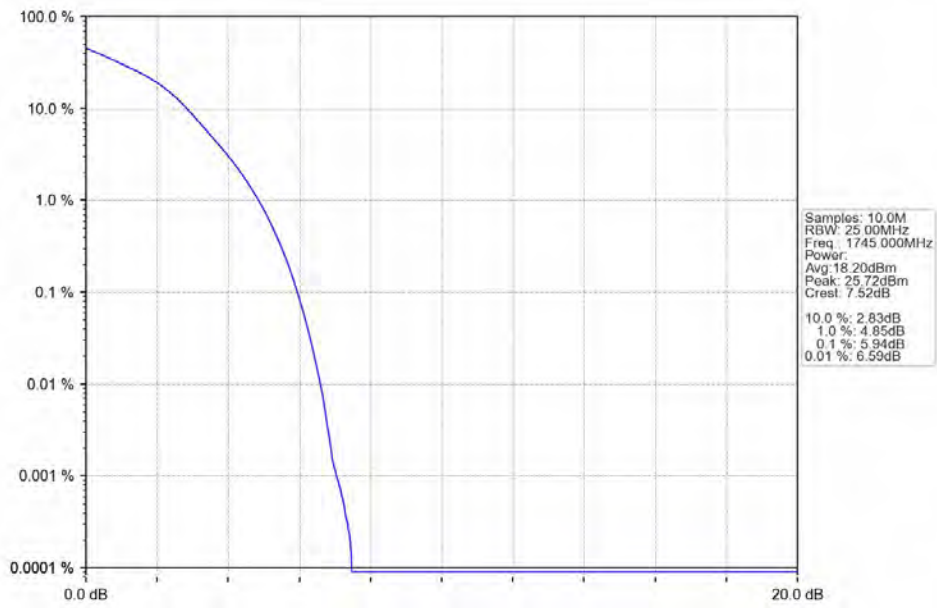
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



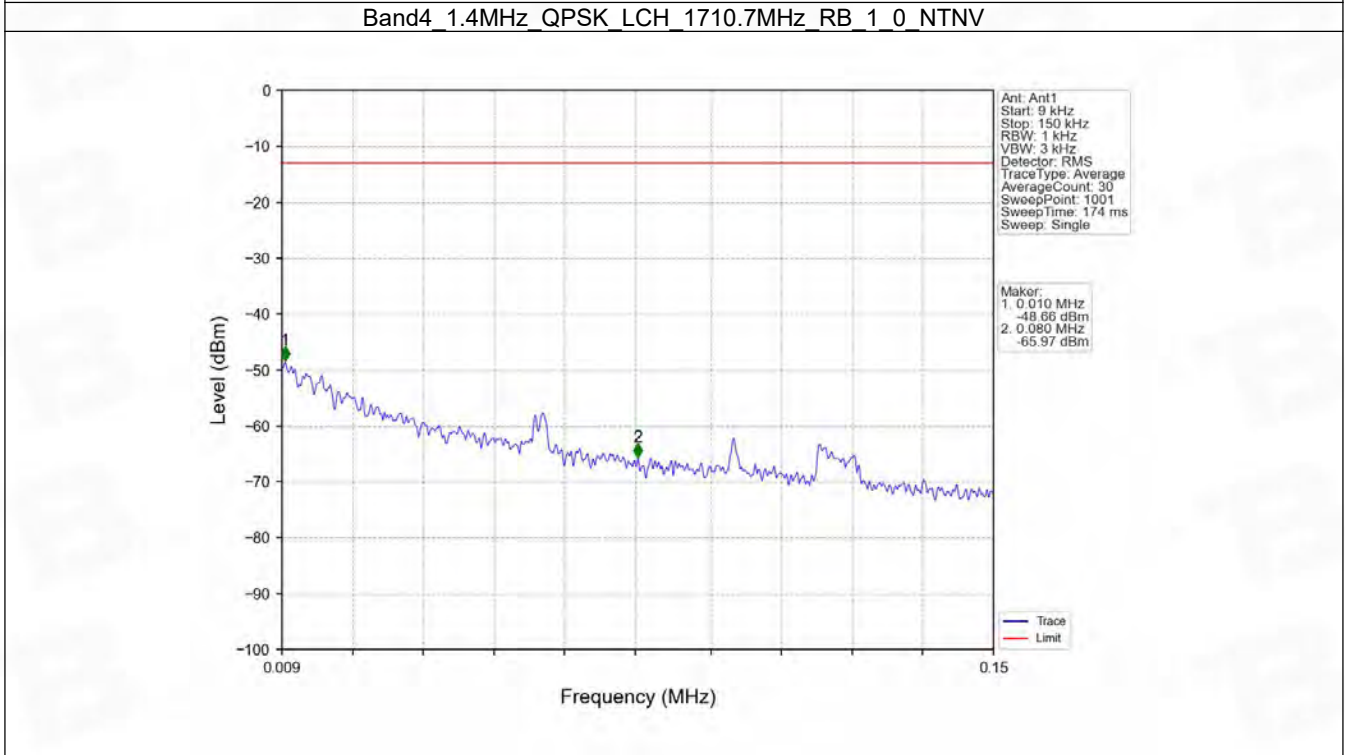
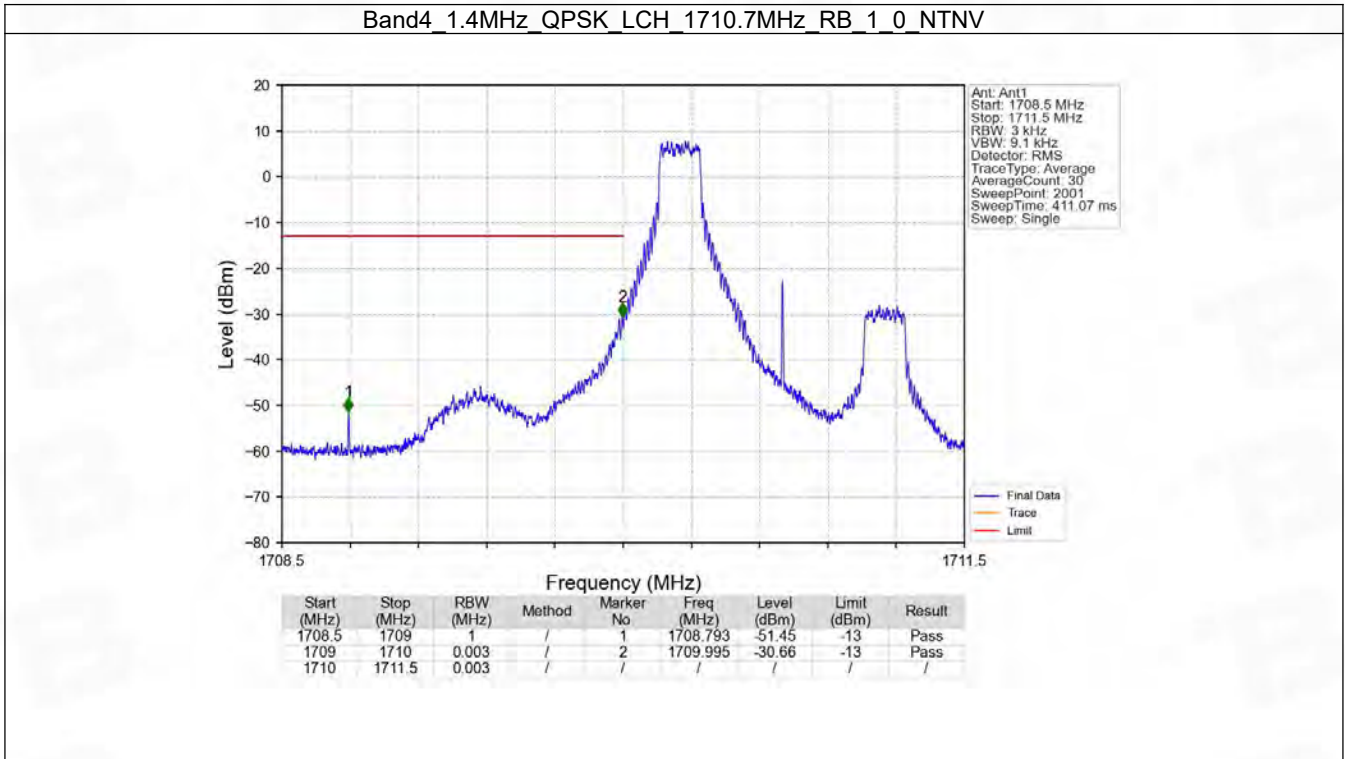
6. Spurious Emission

6.1 B4_1.4MHz

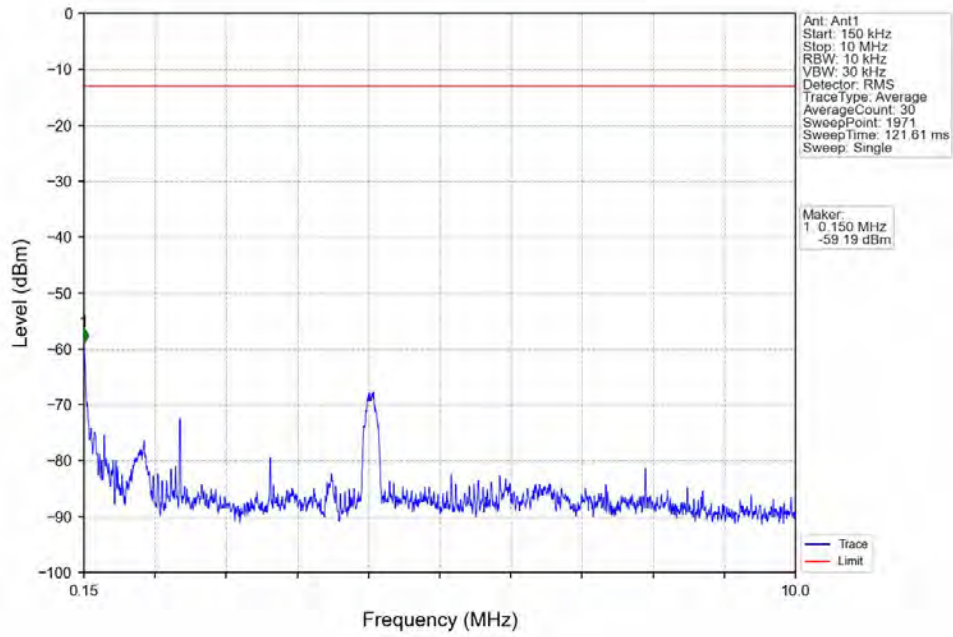
6.1.1 Test Result

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
		1	5	Refer To Test Graph		Pass
		6	0	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
		1	5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

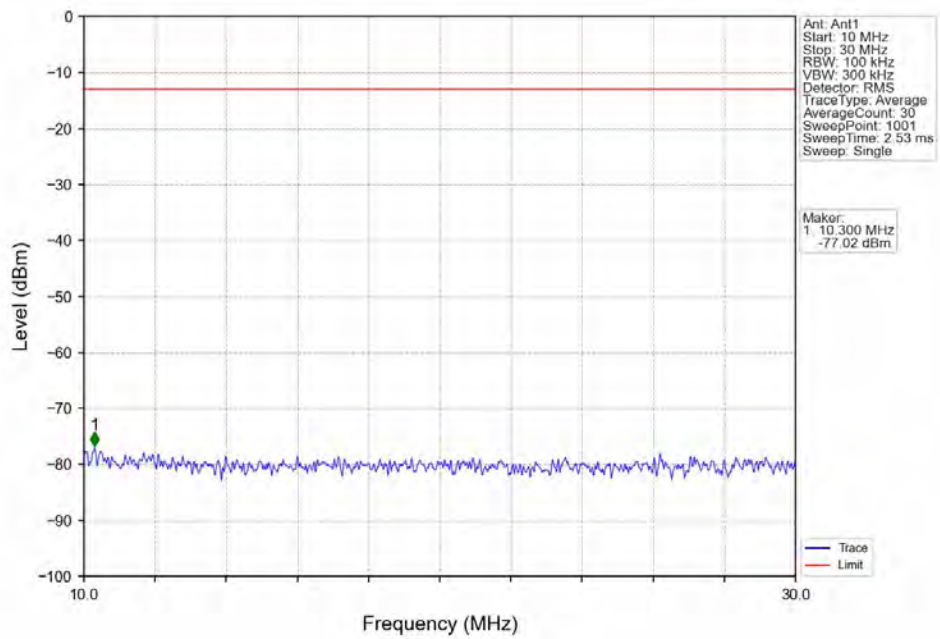
6.1.2 Test Graph



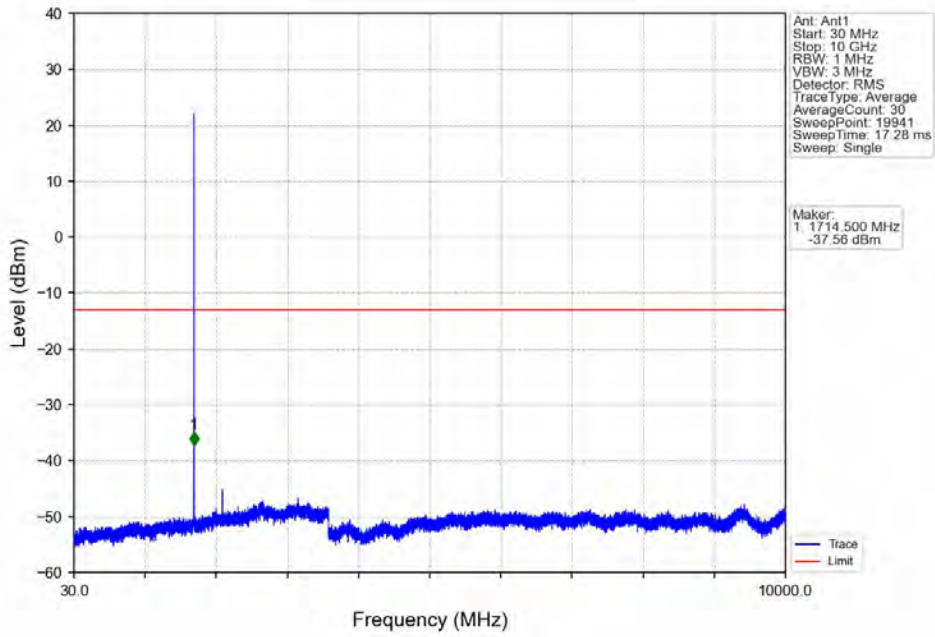
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



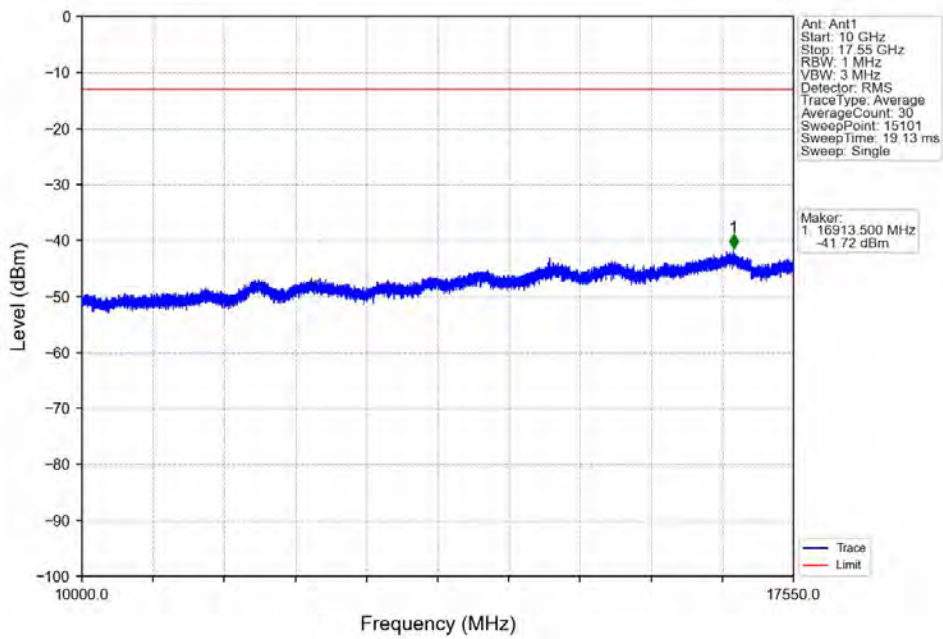
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



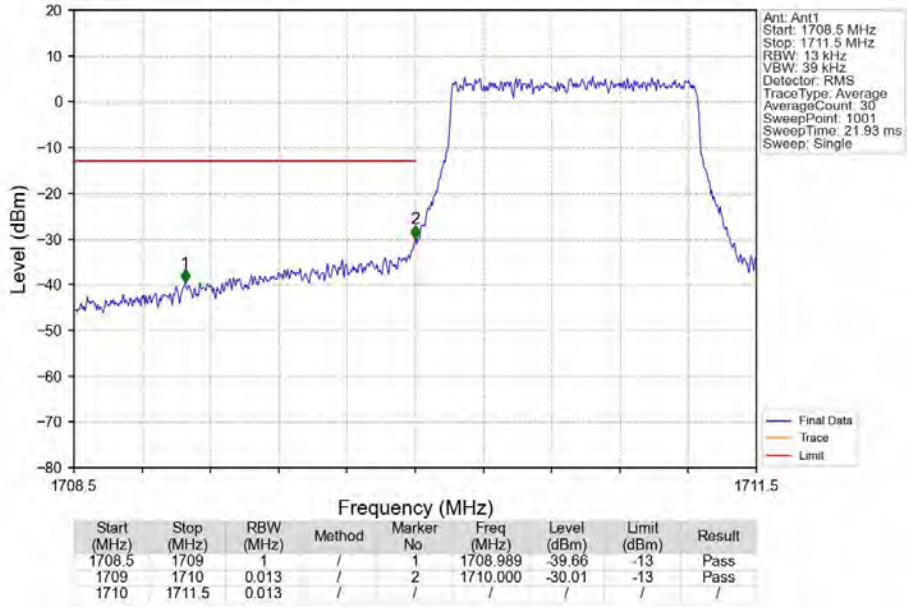
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



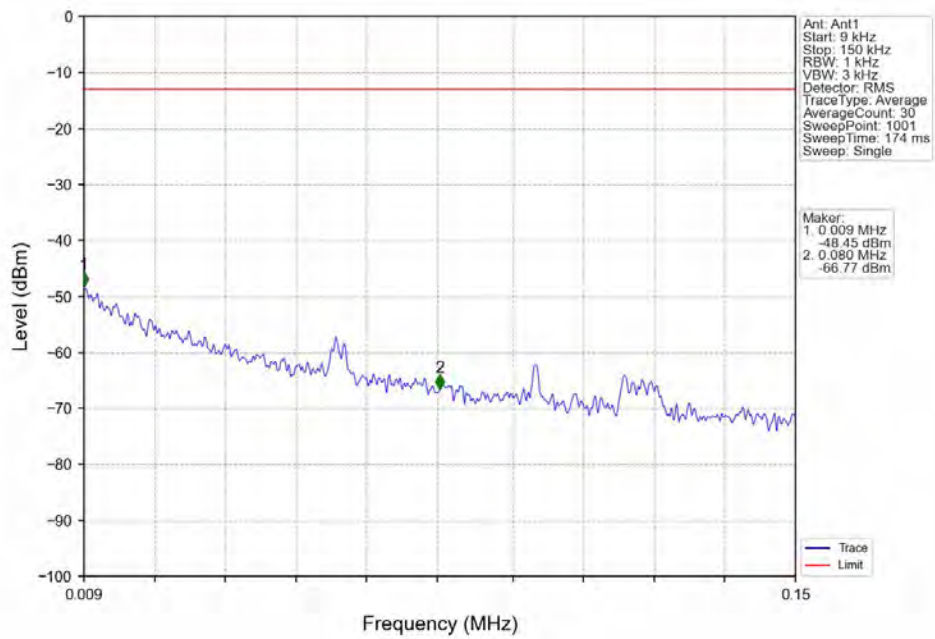
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



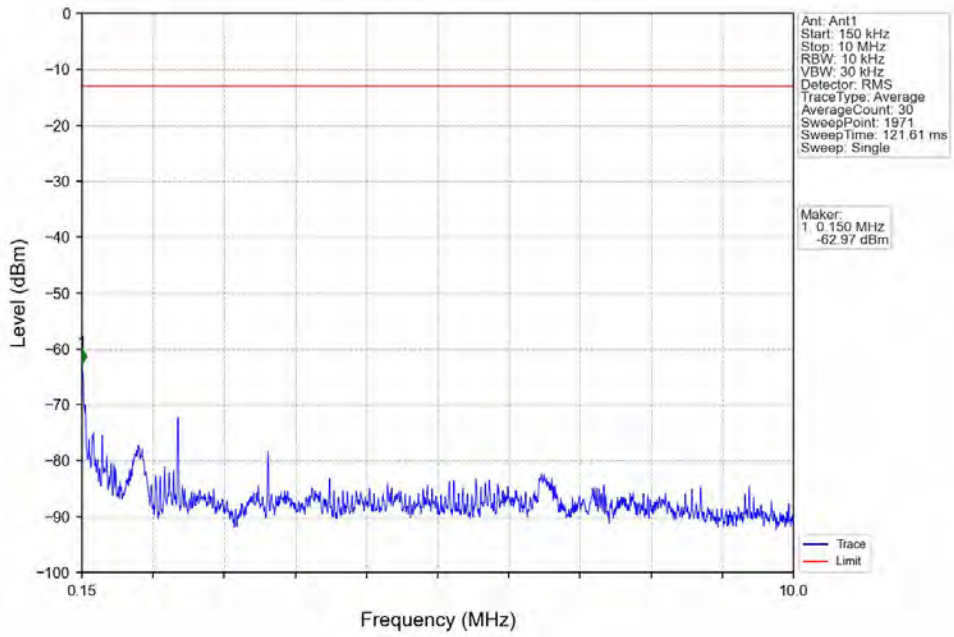
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



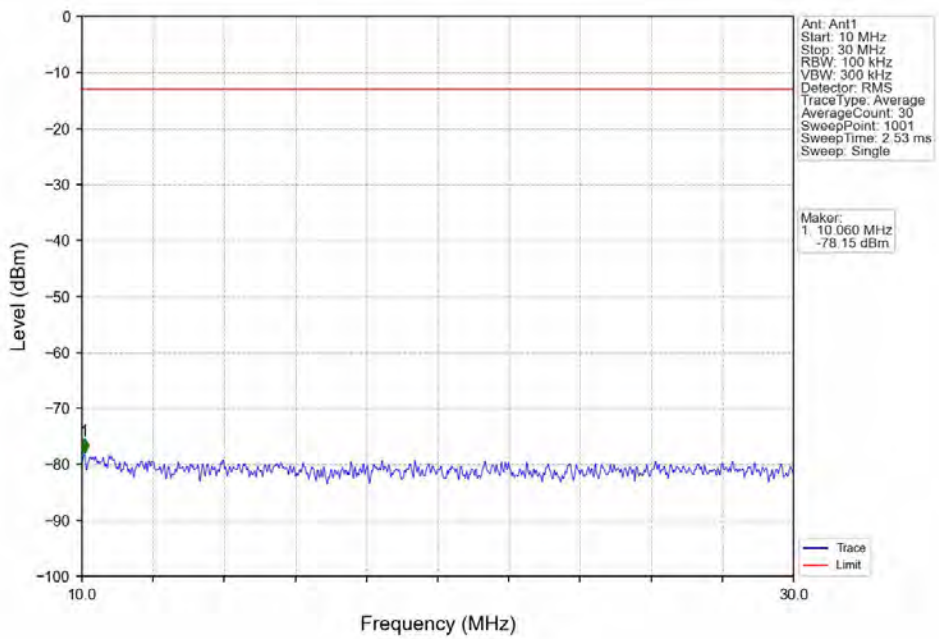
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



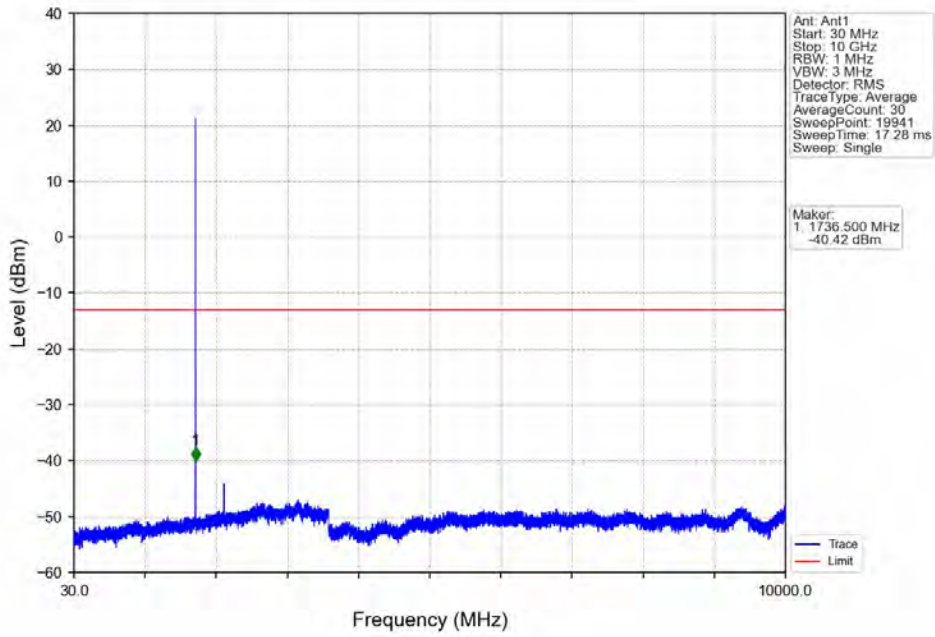
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



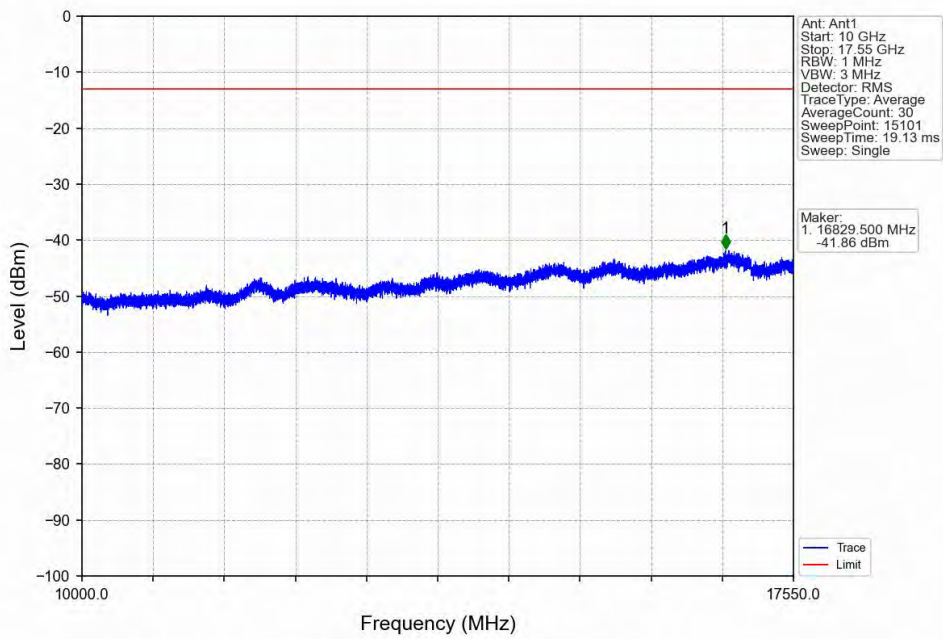
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



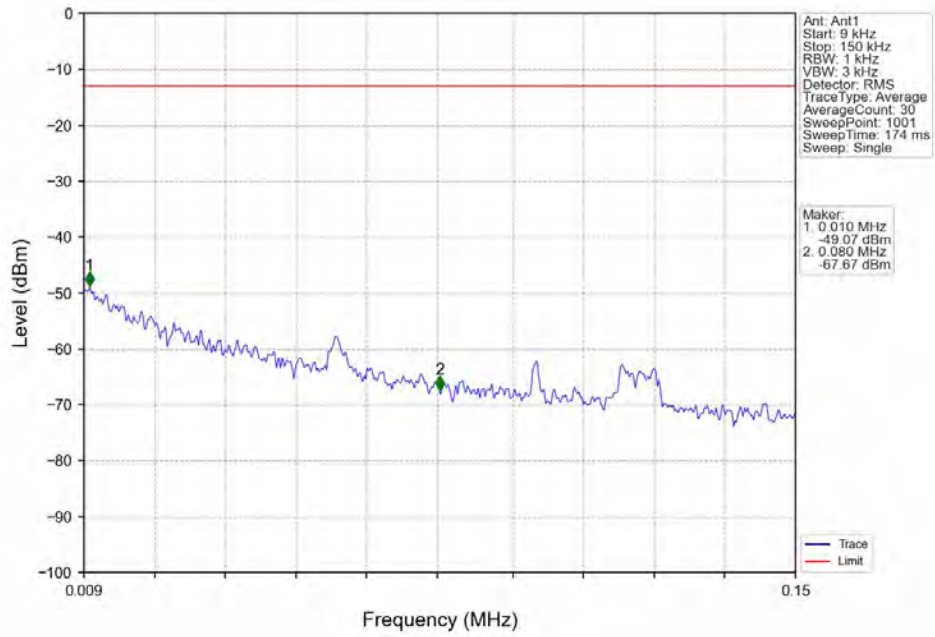
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



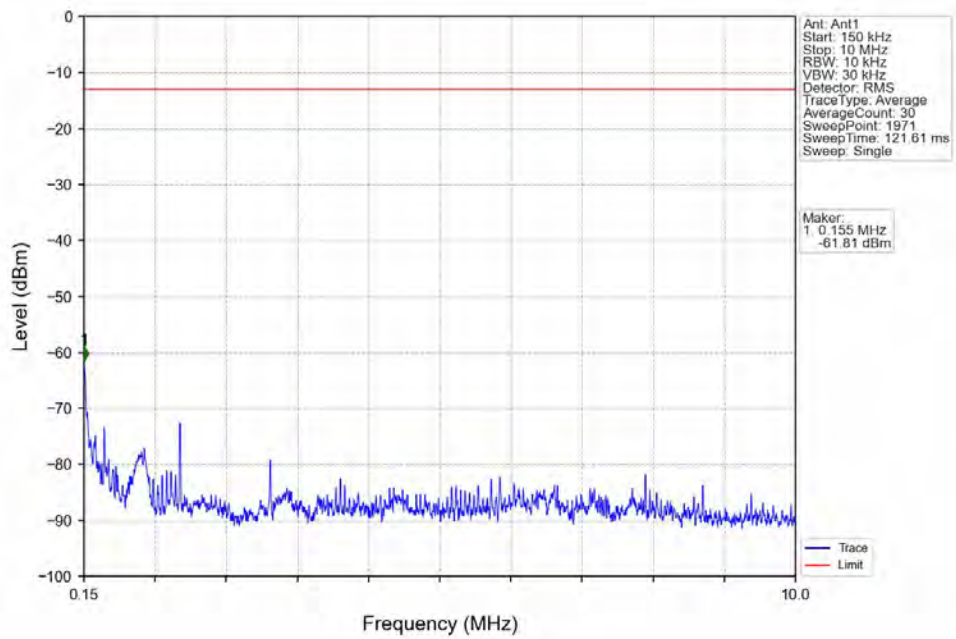
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



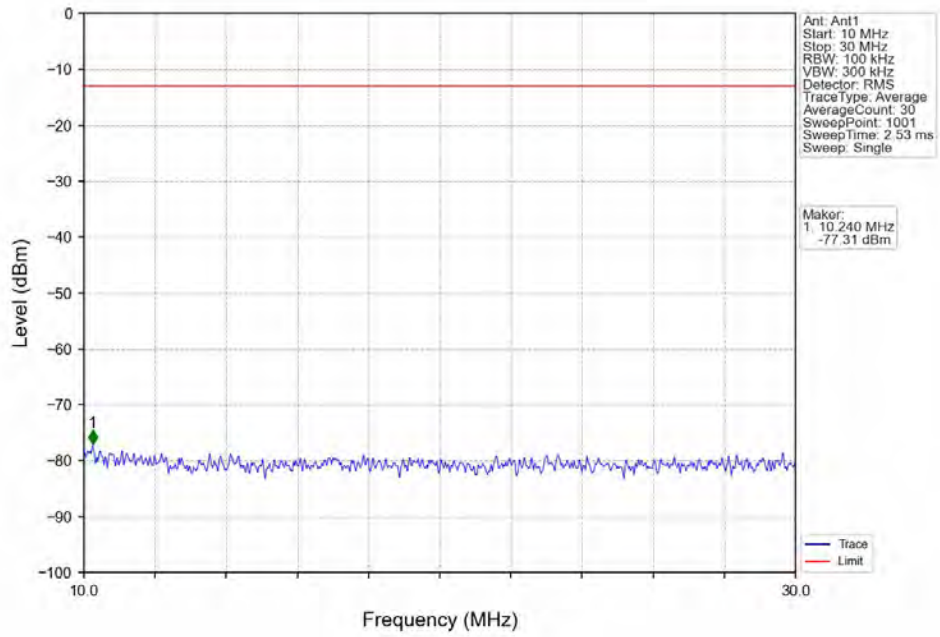
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTV



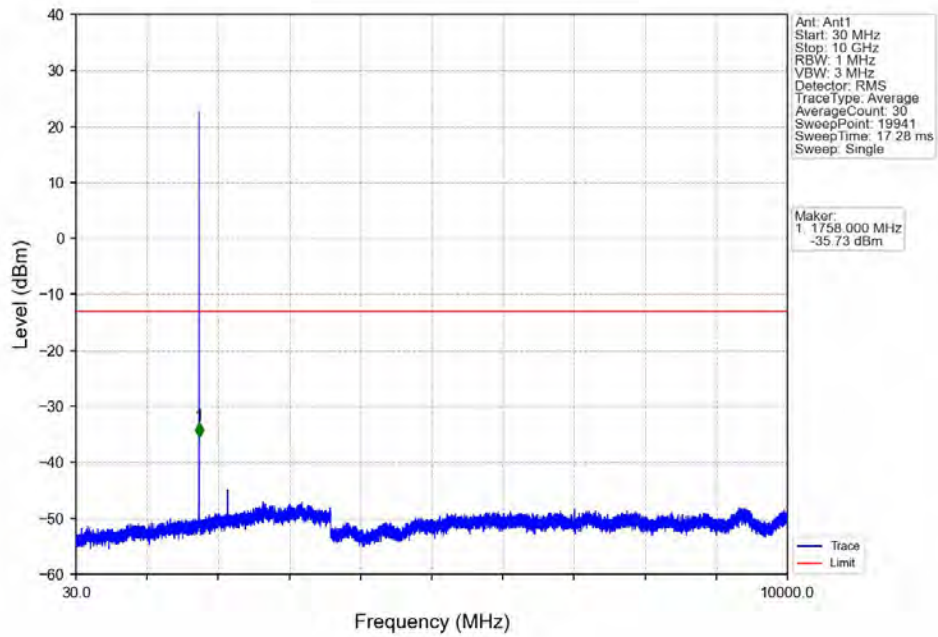
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTV



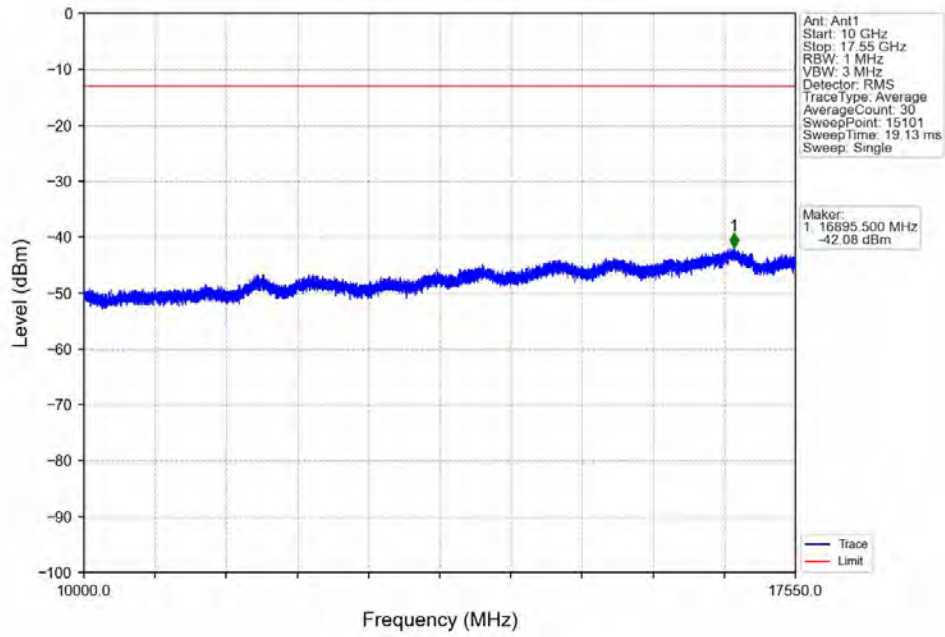
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



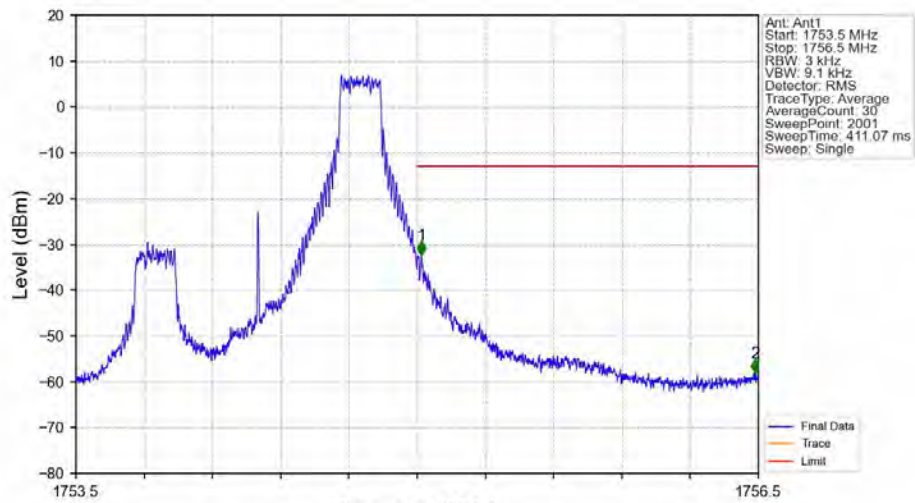
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTV

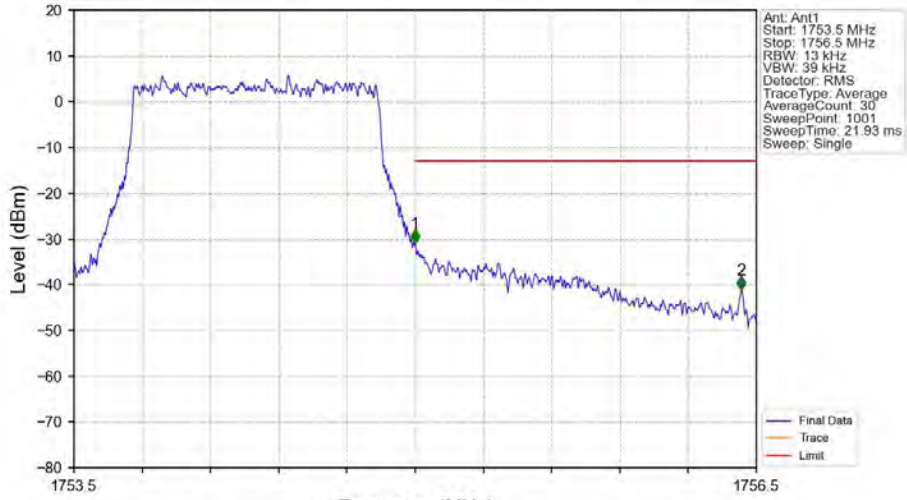


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTV



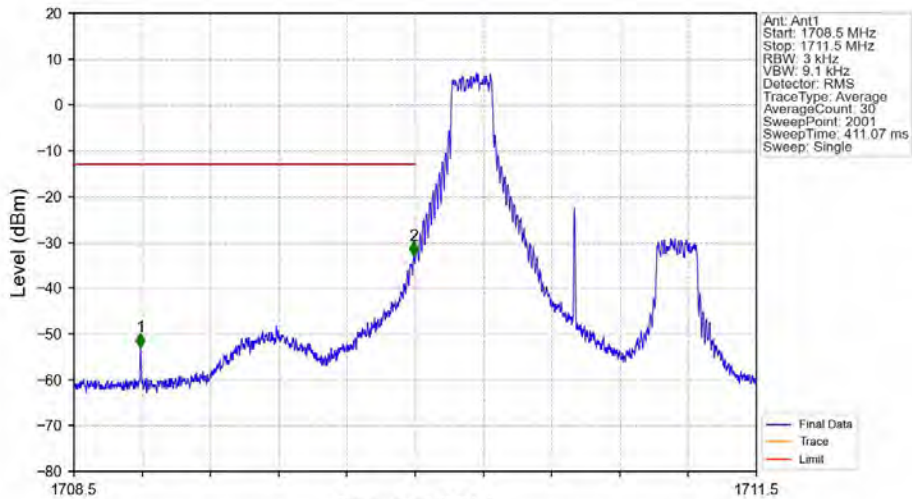
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	1	1755.020	-32.39	-13	Pass
1755	1756	0.003	/	2	1756.485	-58.07	-13	Pass

Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



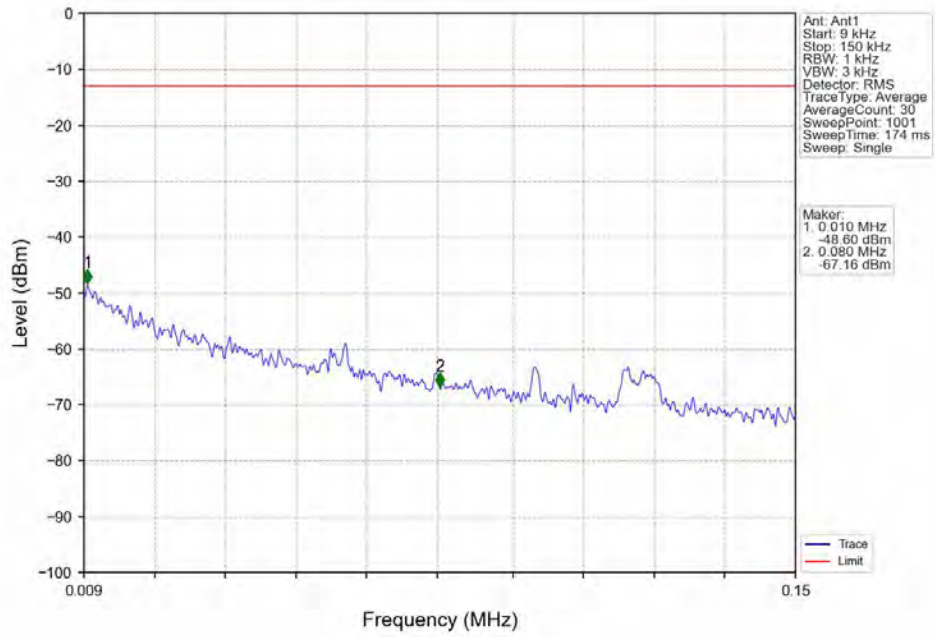
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.000	-30.96	-13	Pass
1756	1756.5	1	/	2	1756.434	-41.19	-13	Pass

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

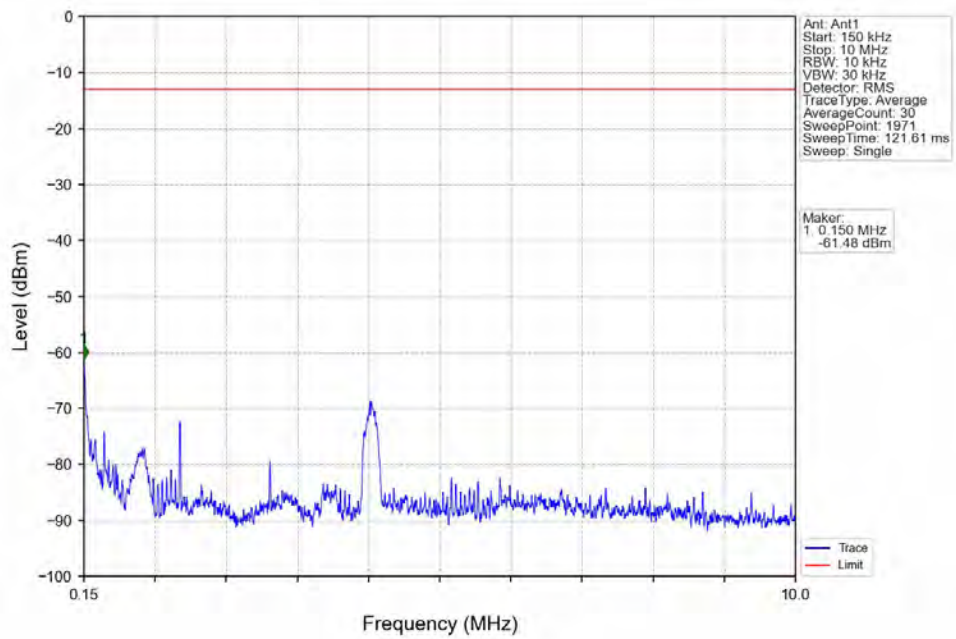


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	/	/	/	/	/
1709	1710	0.003	/	1	1708.793	-52.92	-13	Pass
1710	1711.5	0.003	/	2	1709.994	-32.96	-13	Pass

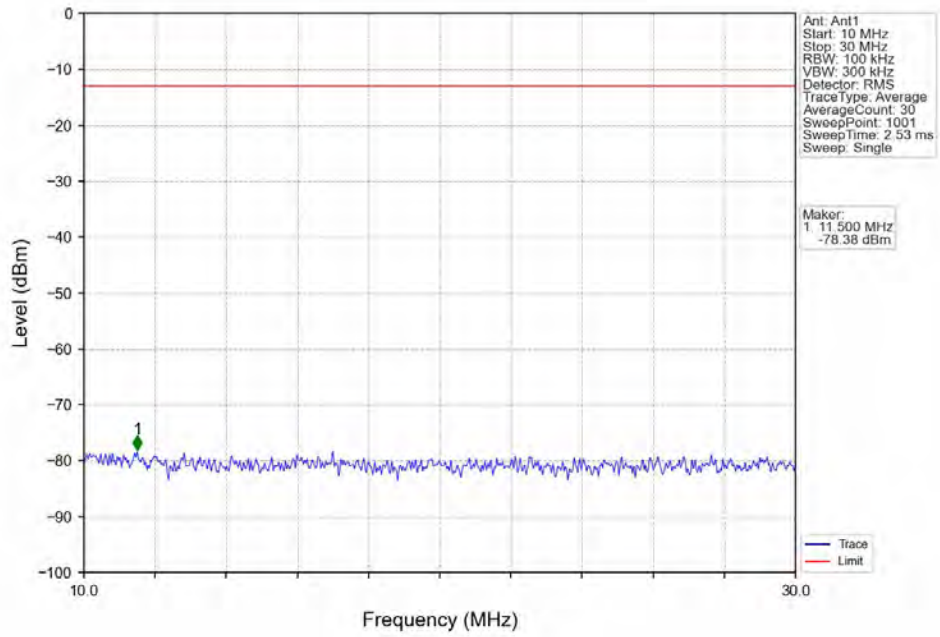
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



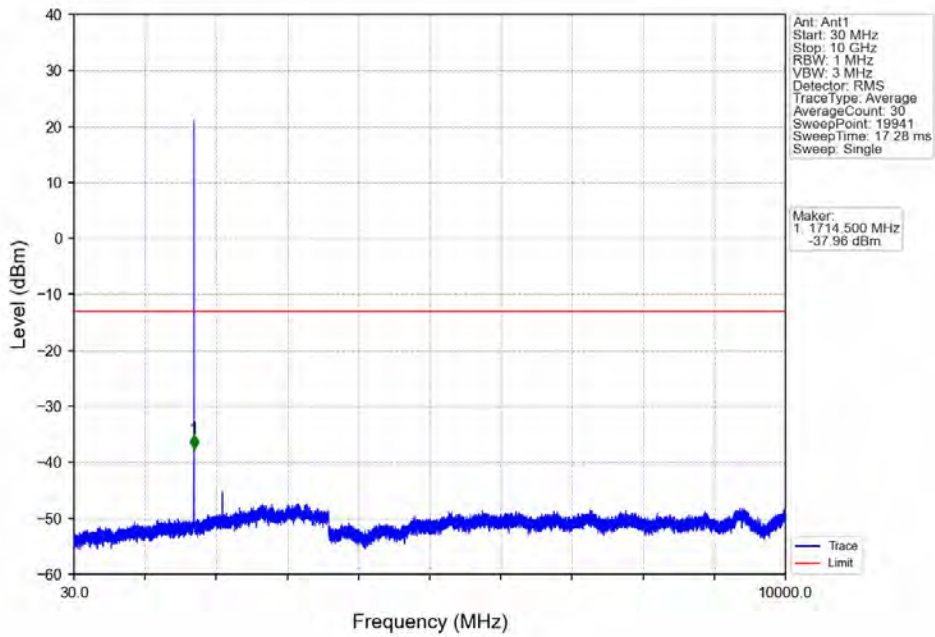
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



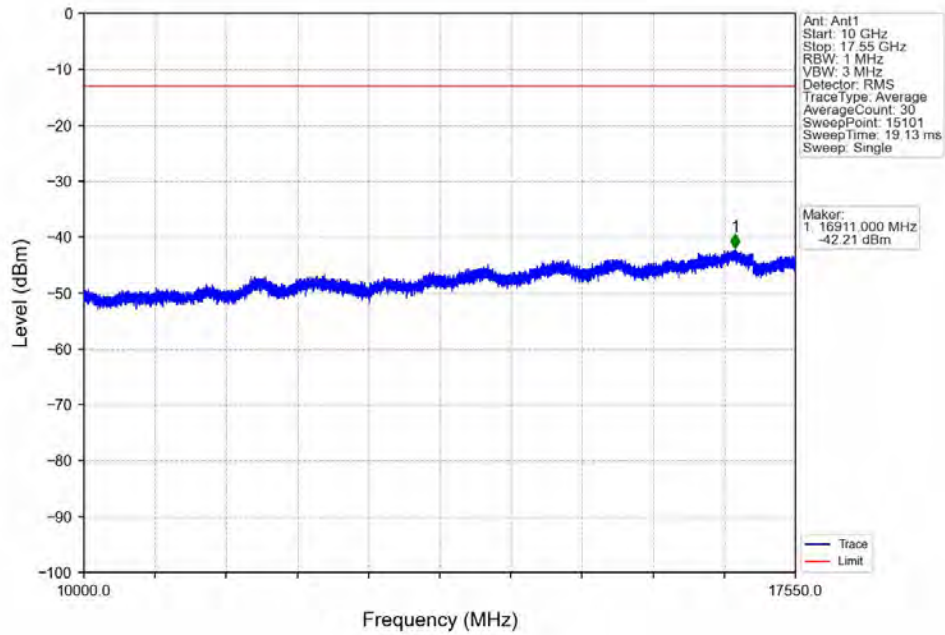
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



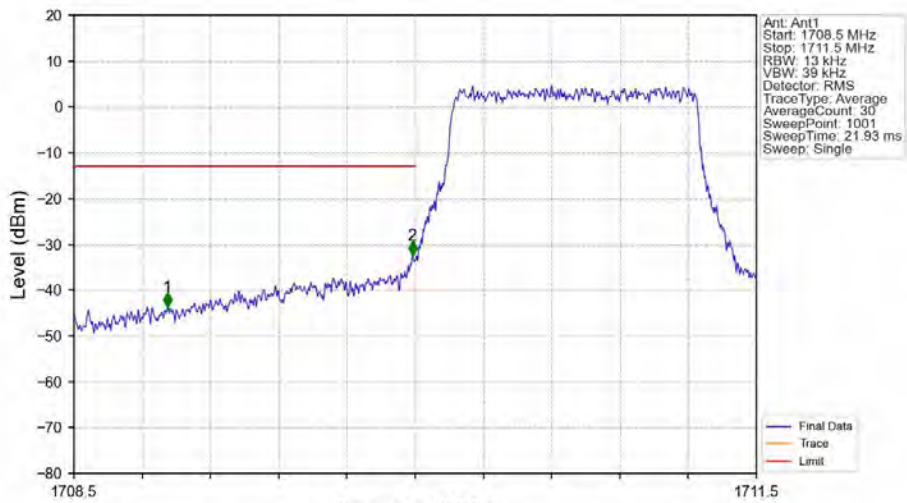
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



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

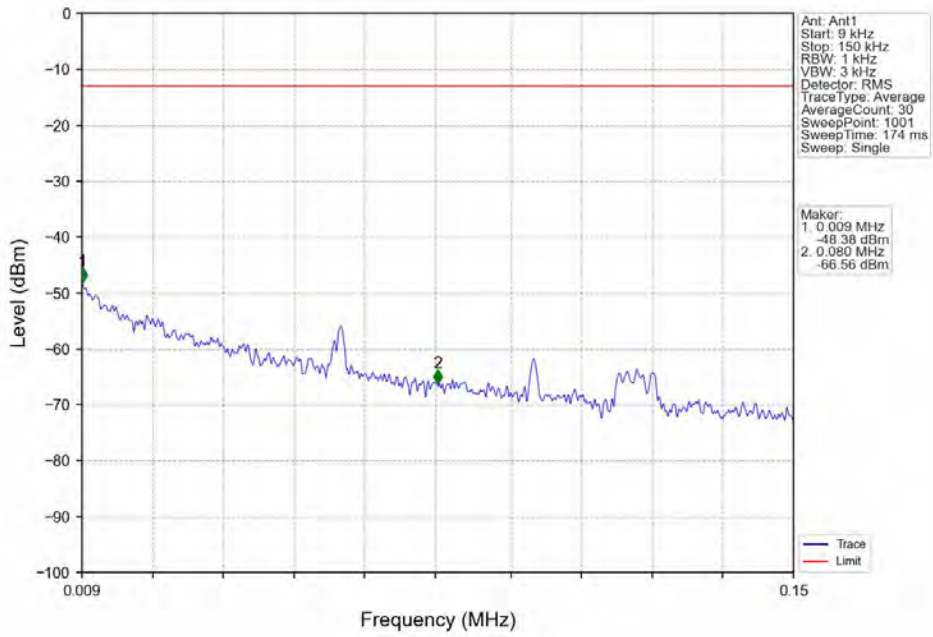


Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV

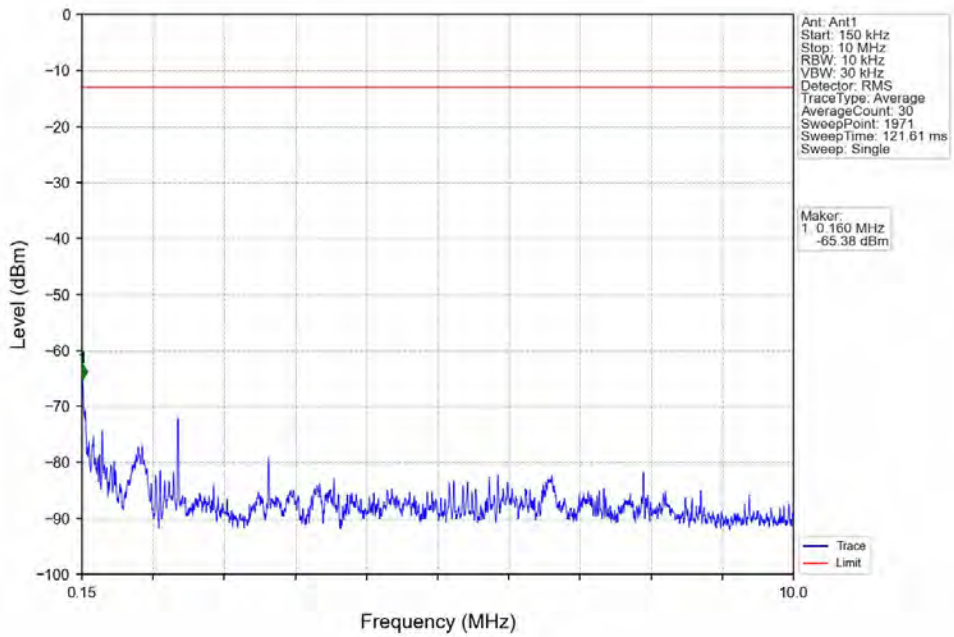


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.911	-43.72	-13	Pass
1709	1710	0.013	/	2	1709.988	-32.35	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

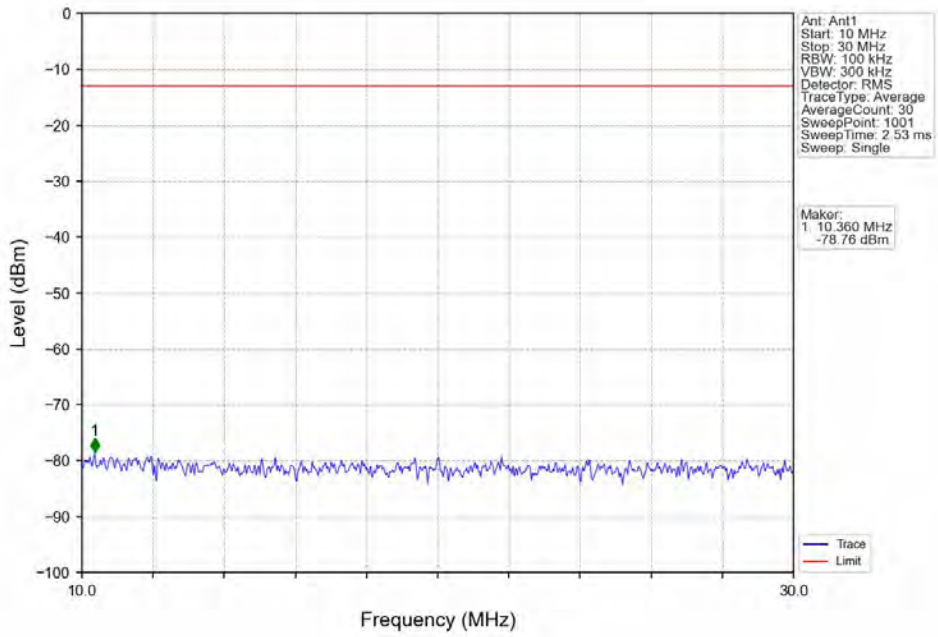
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



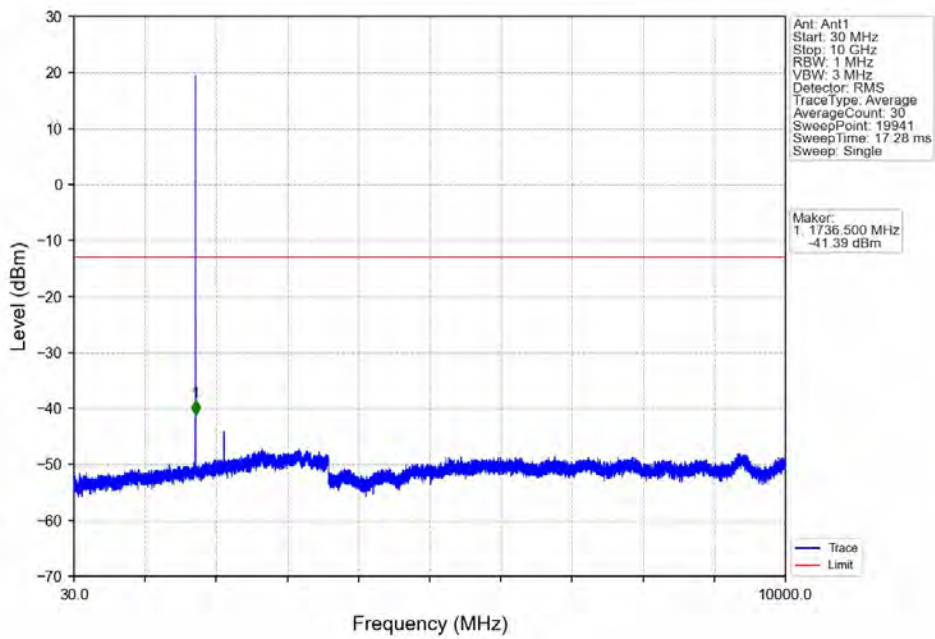
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



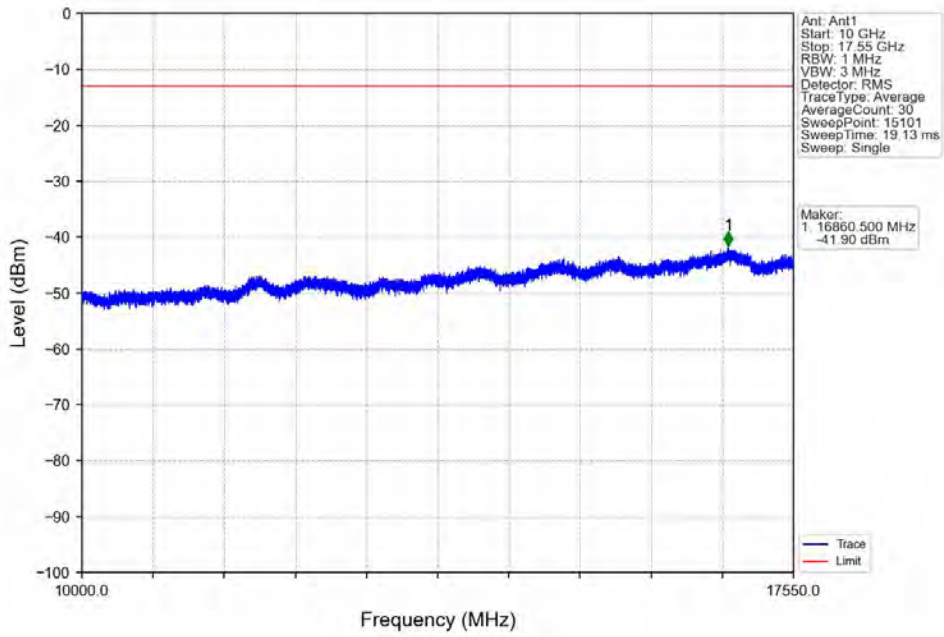
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



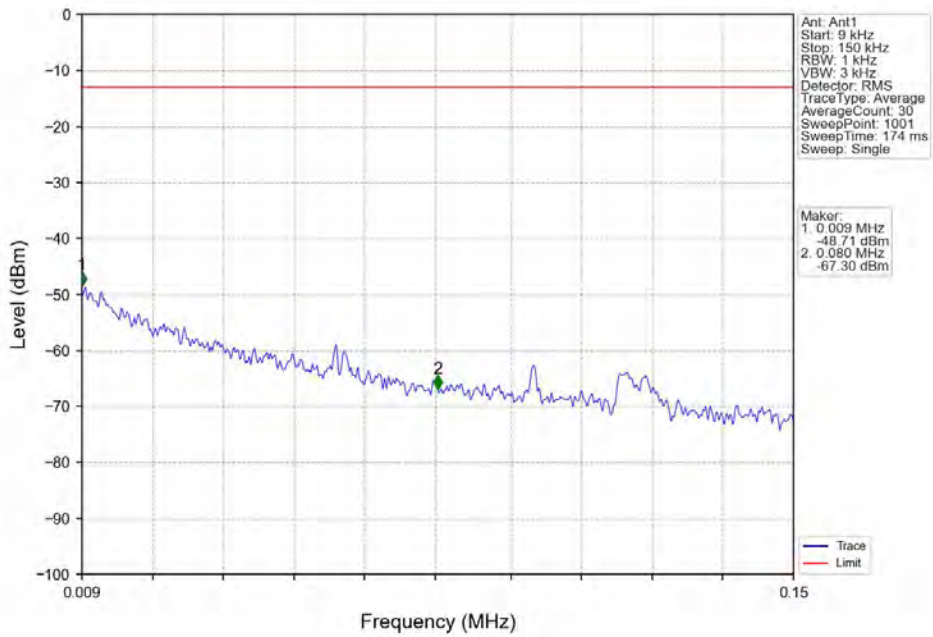
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



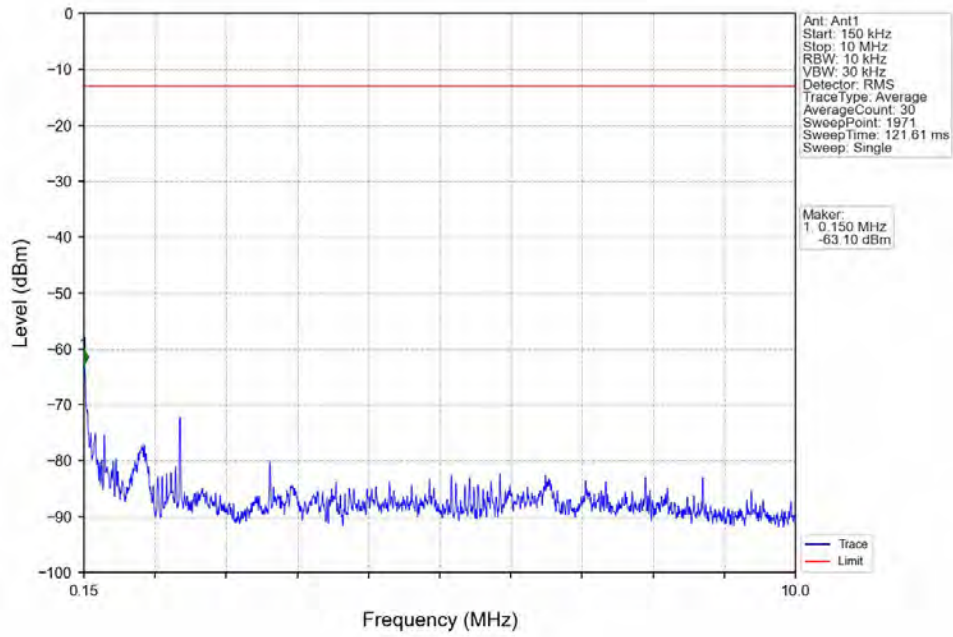
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



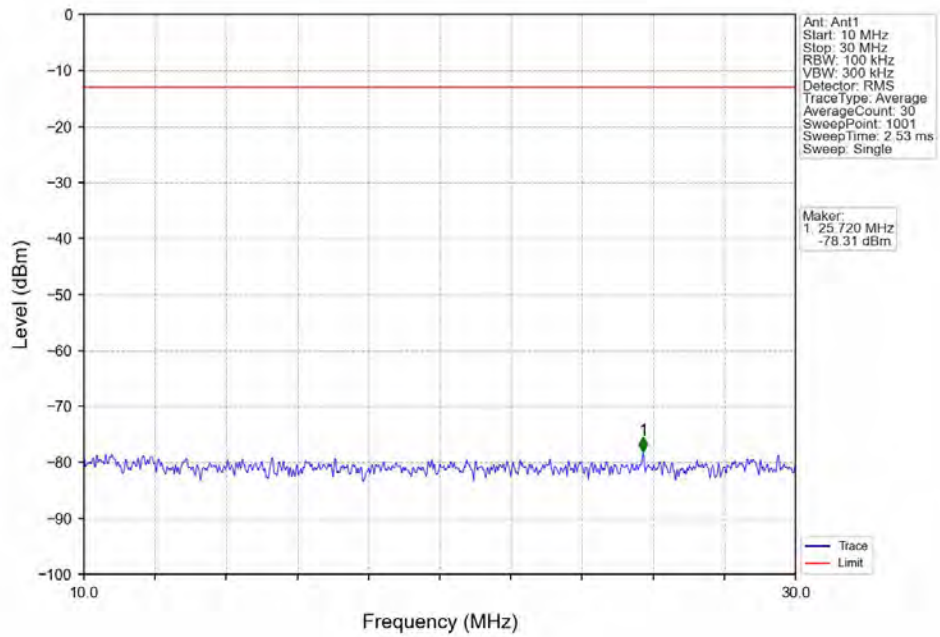
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



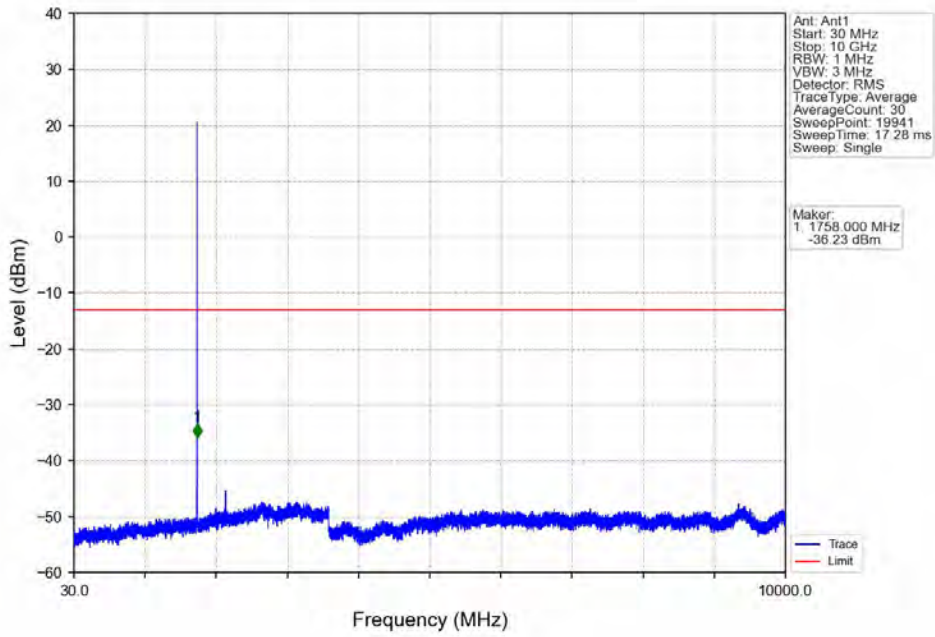
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



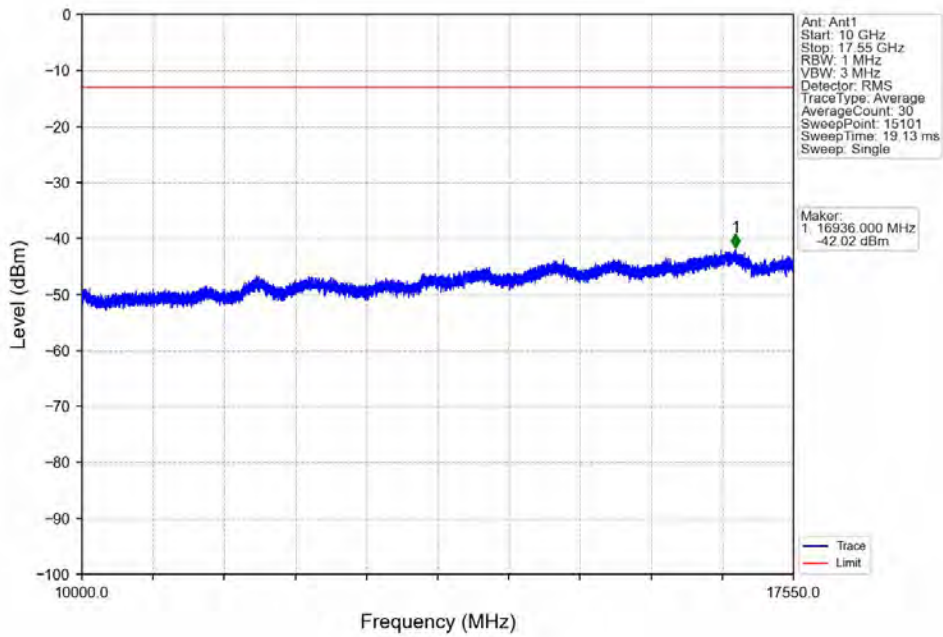
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



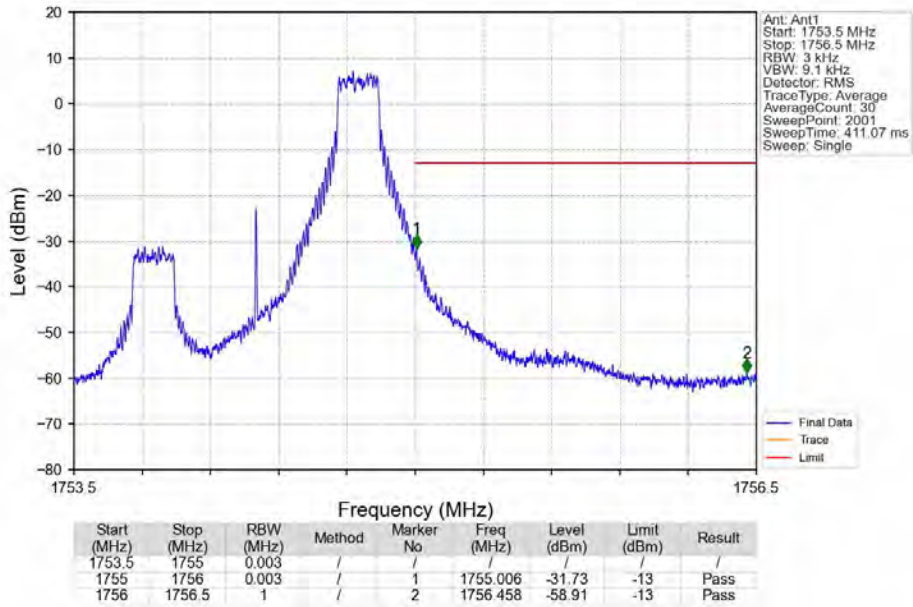
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



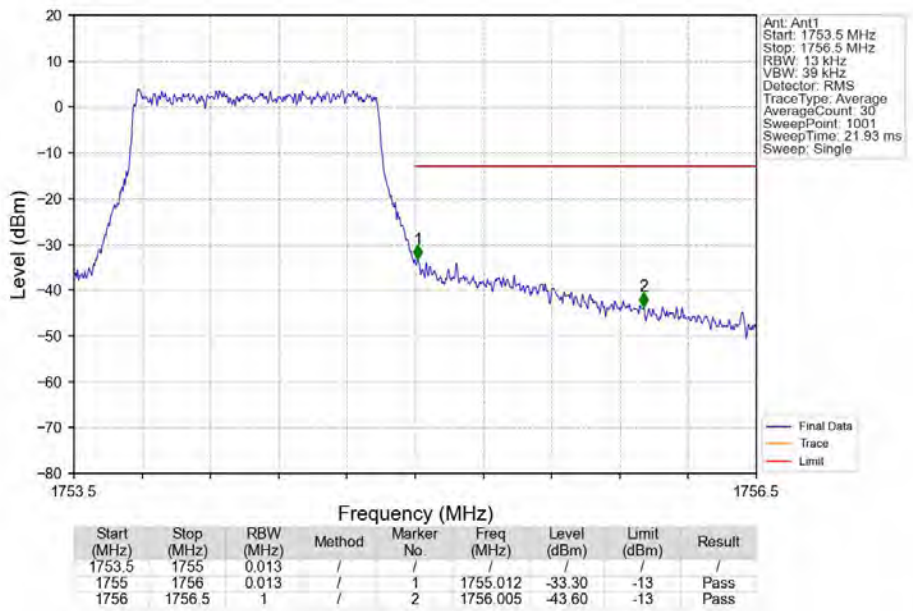
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



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



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

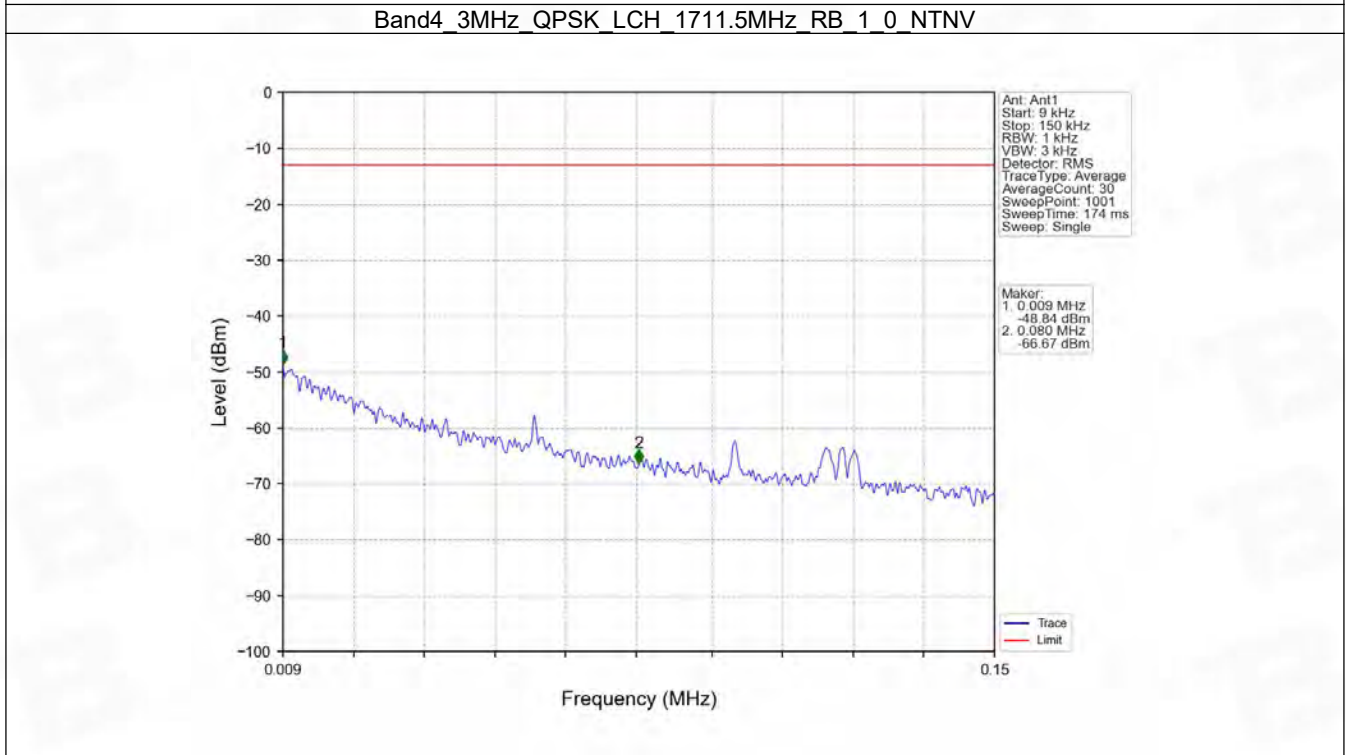
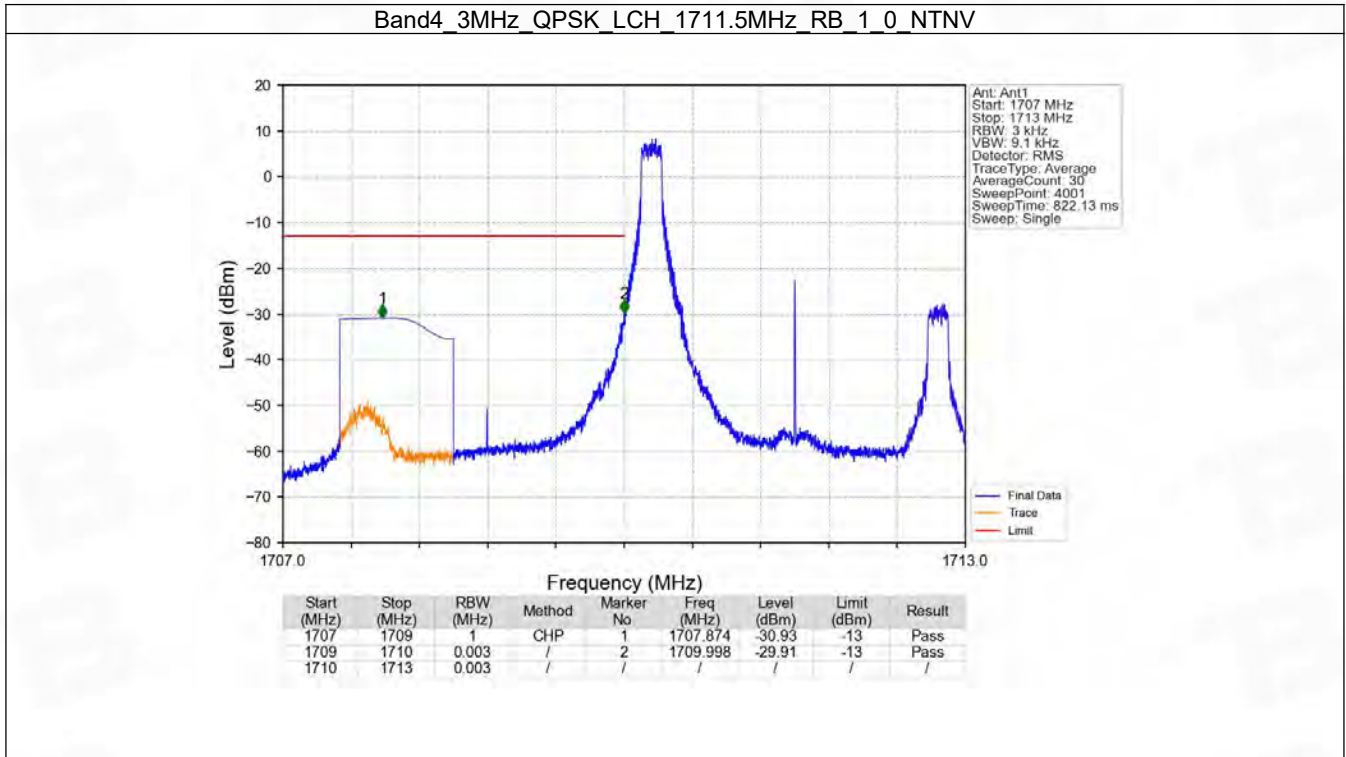


6.2 B4_3MHz

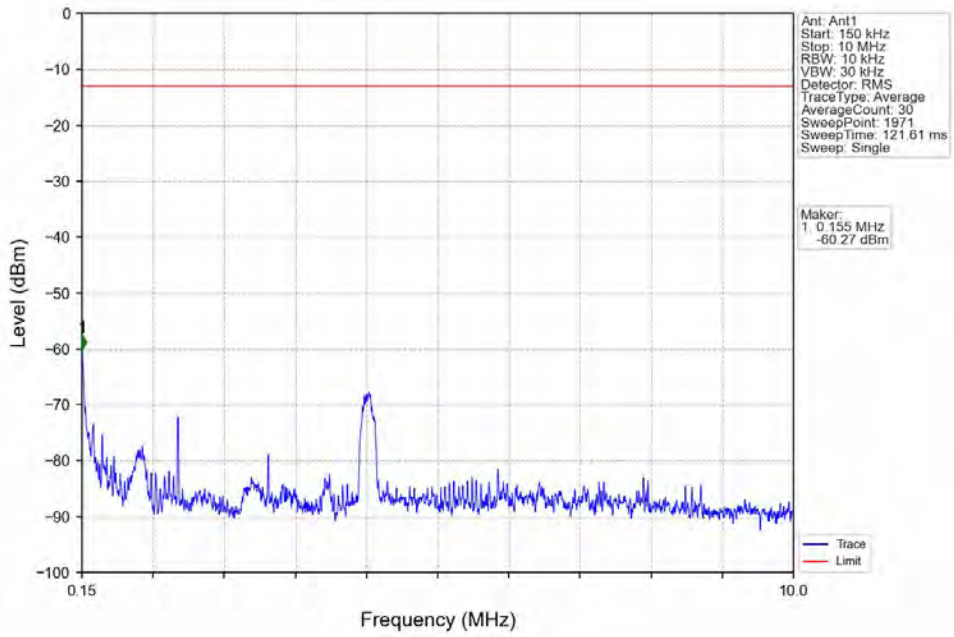
6.2.1 Test Result

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

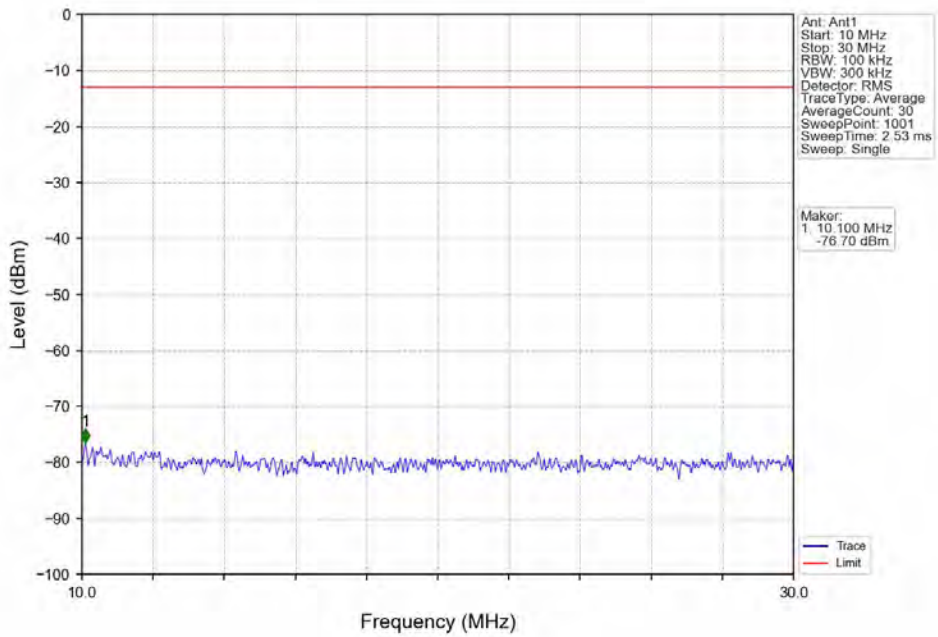
6.2.2 Test Graph



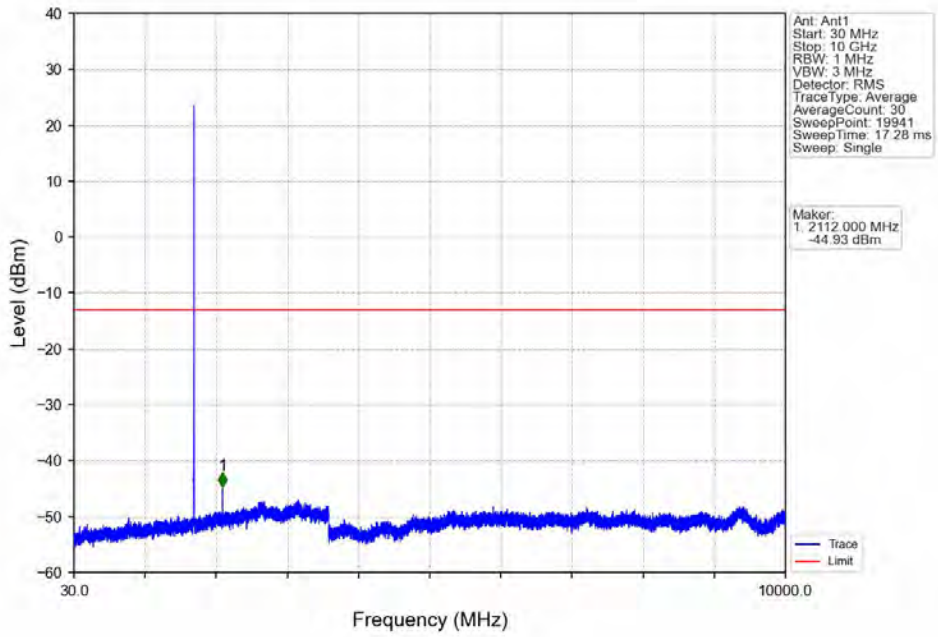
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



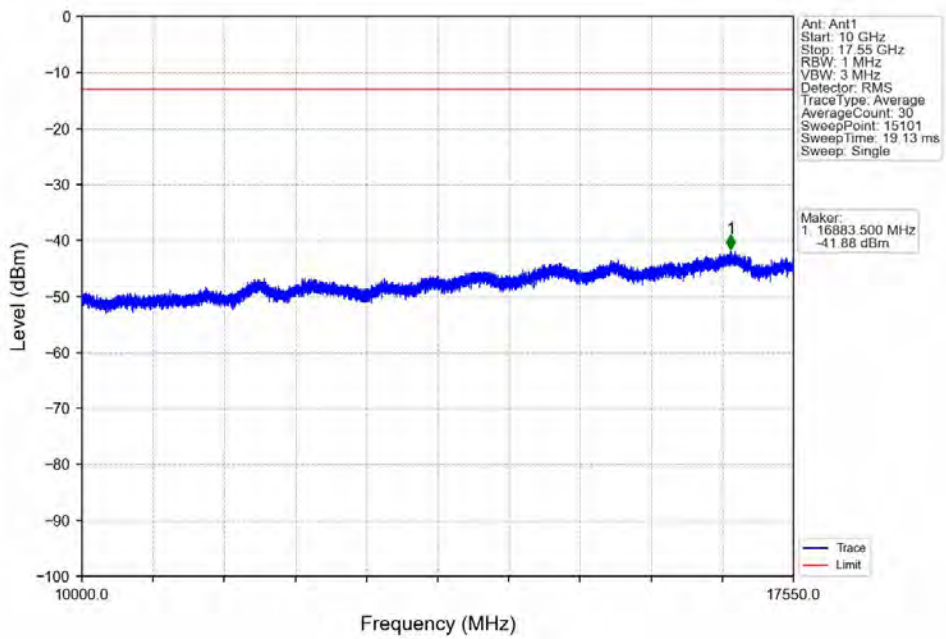
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



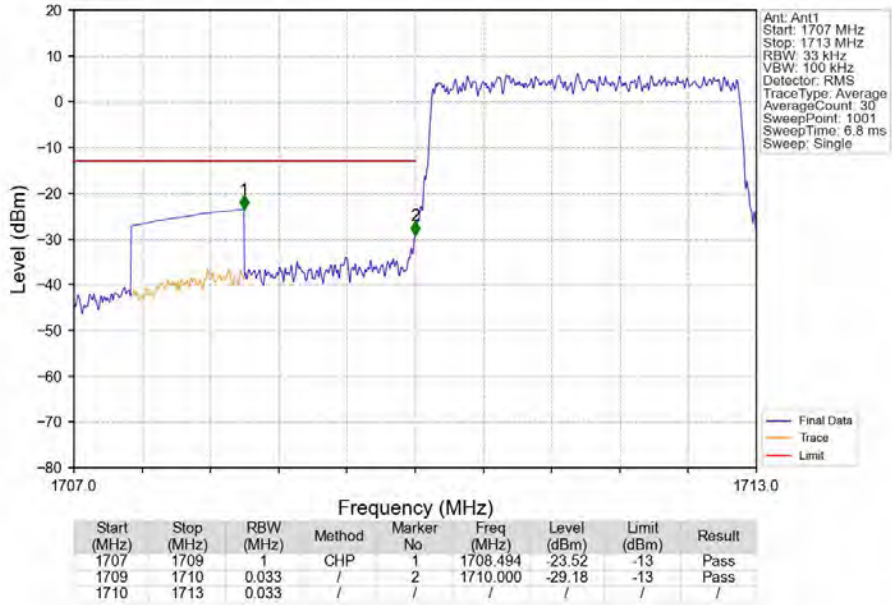
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



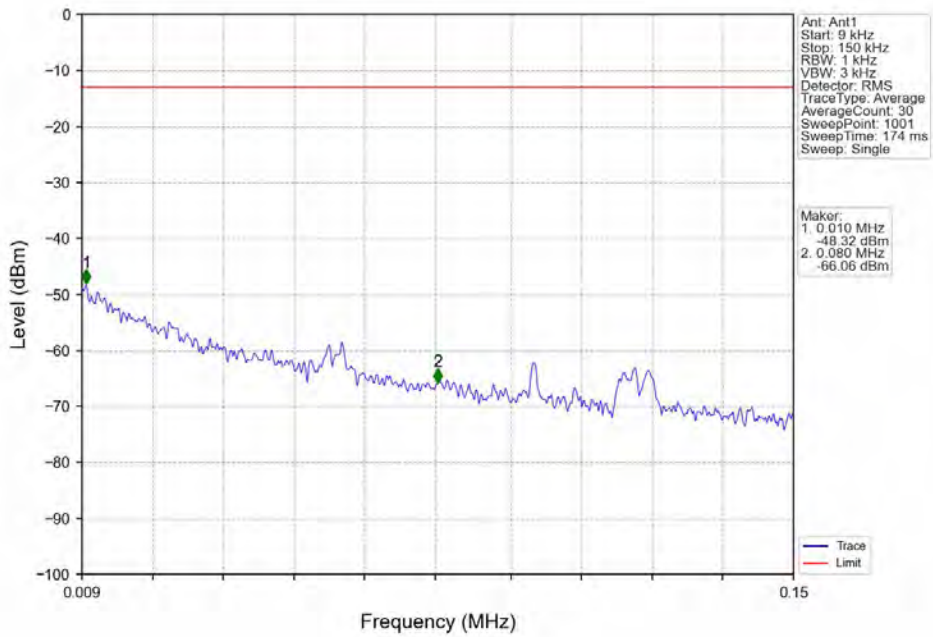
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



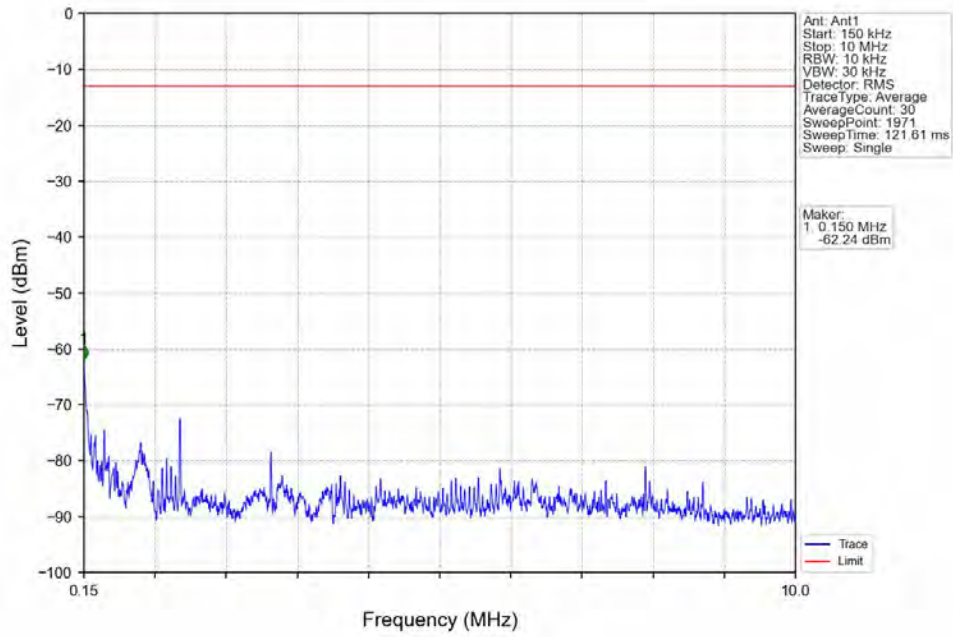
Band4 3MHz QPSK LCH 1711.5MHz RB 15_0 NTNV



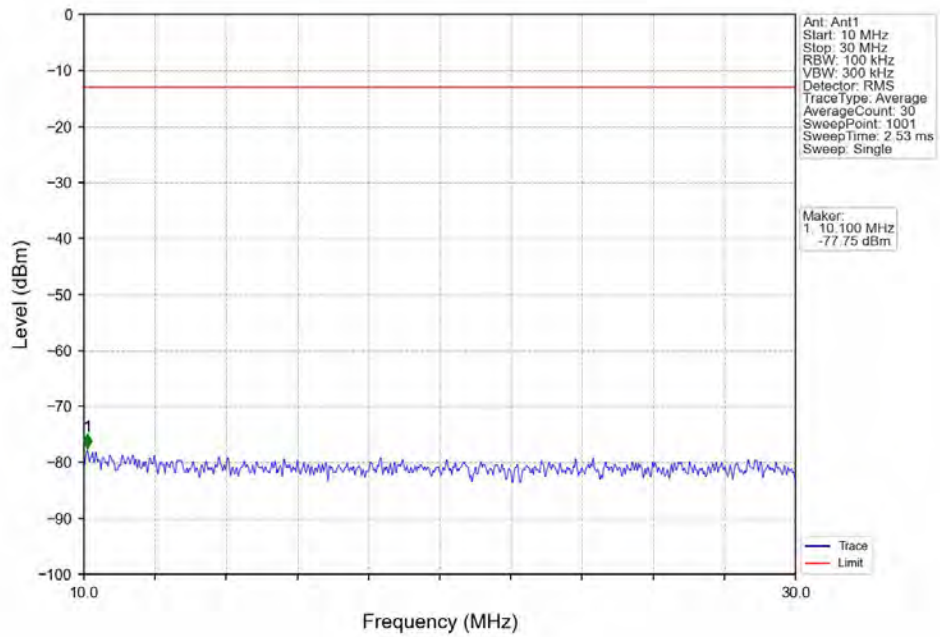
Band4 3MHz QPSK MCH 1732.5MHz RB 1_0 NTNV



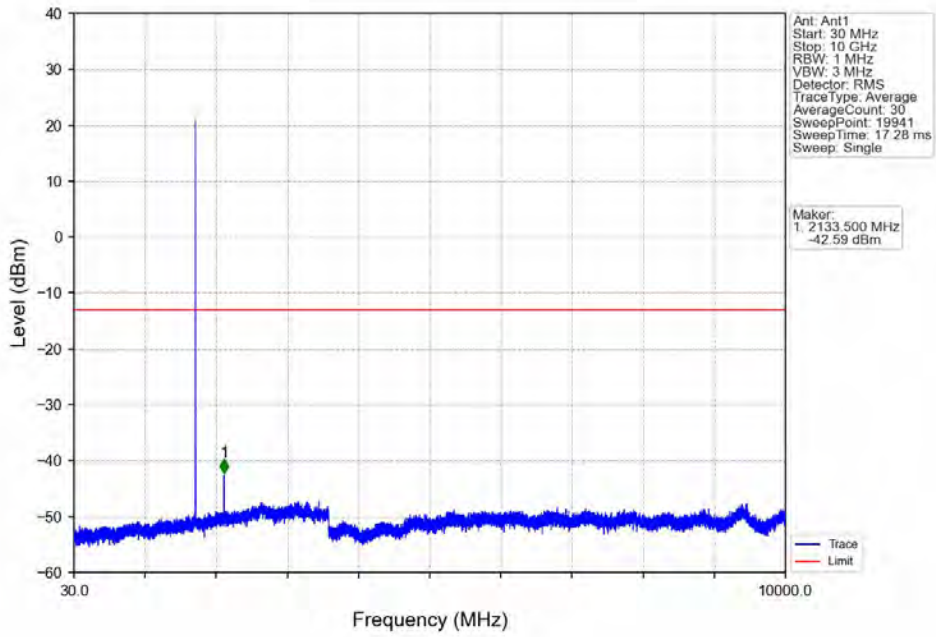
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



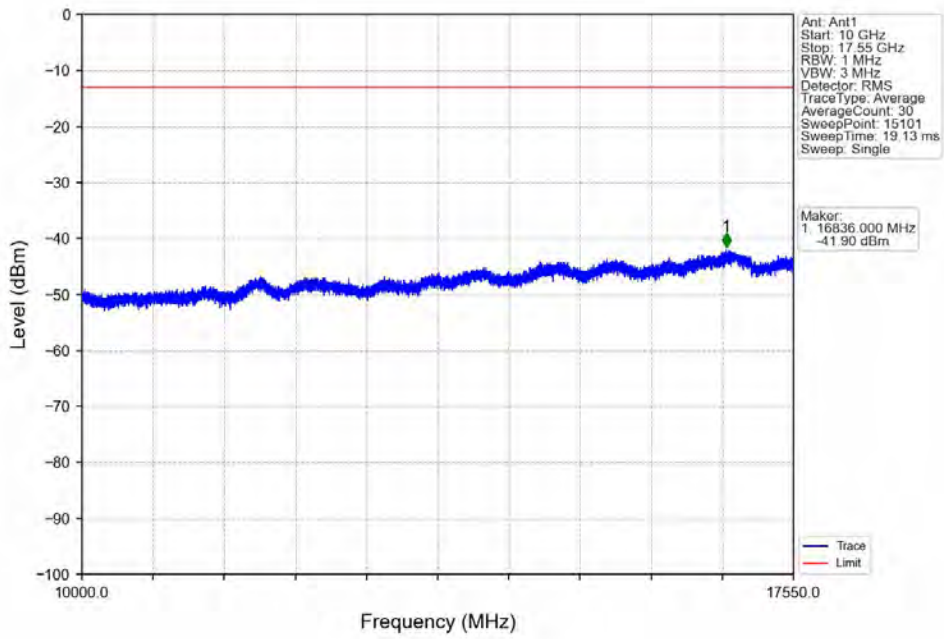
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



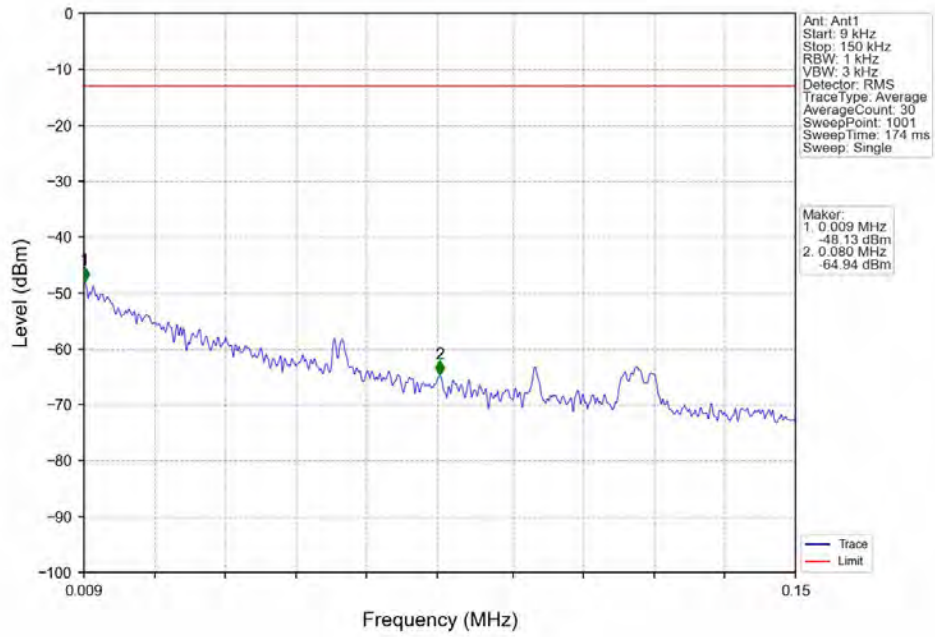
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



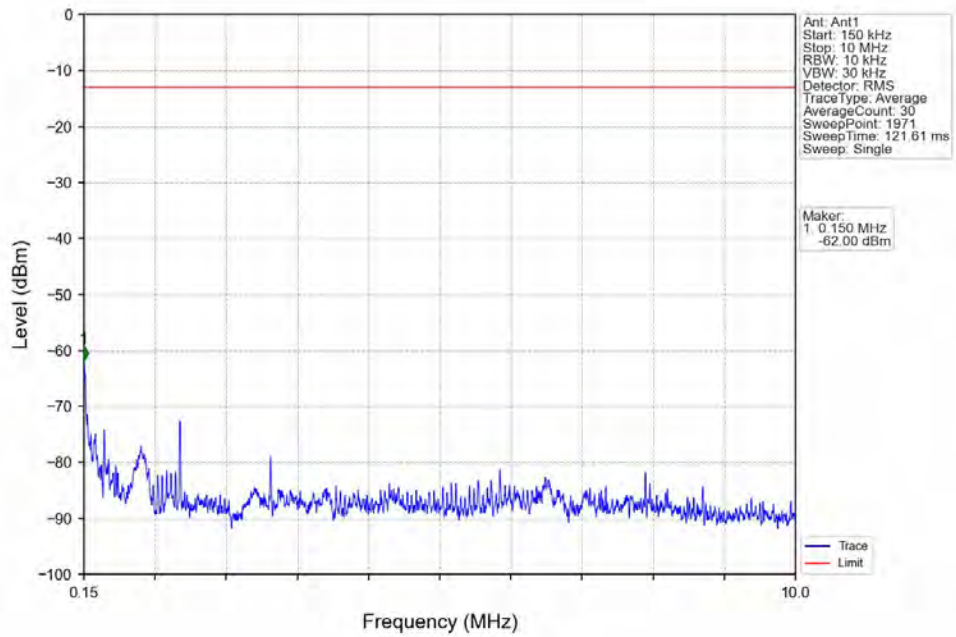
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



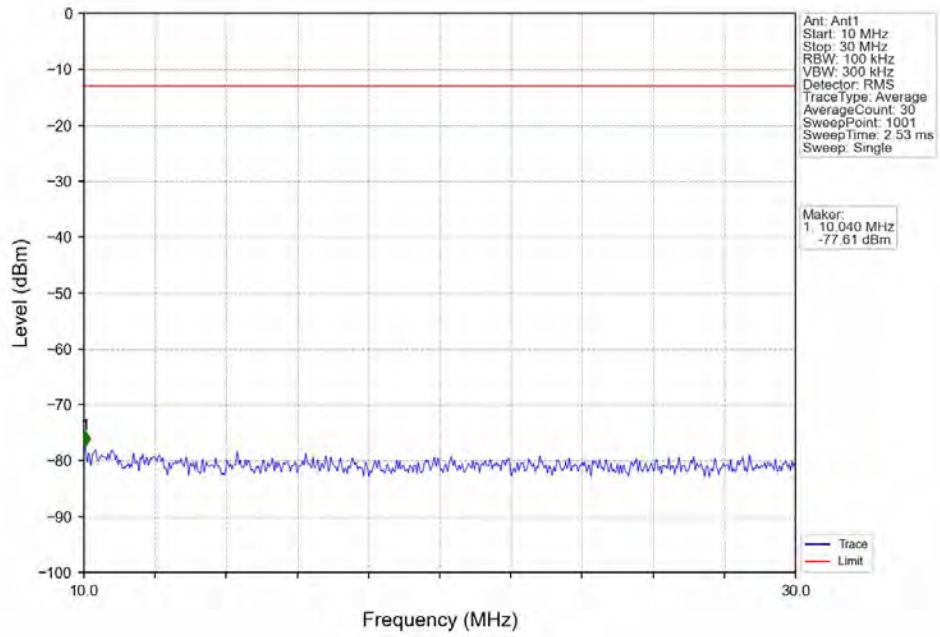
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



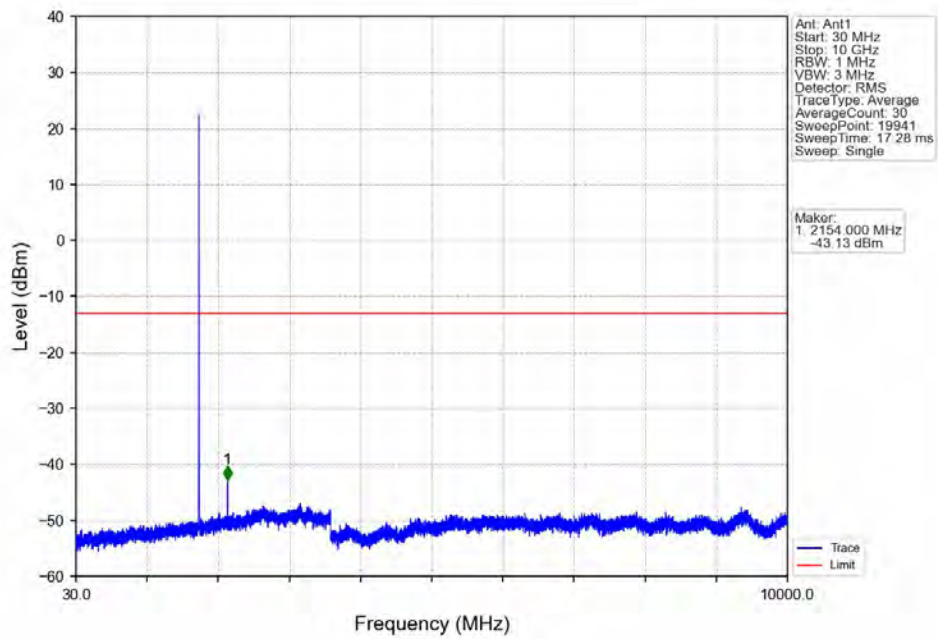
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



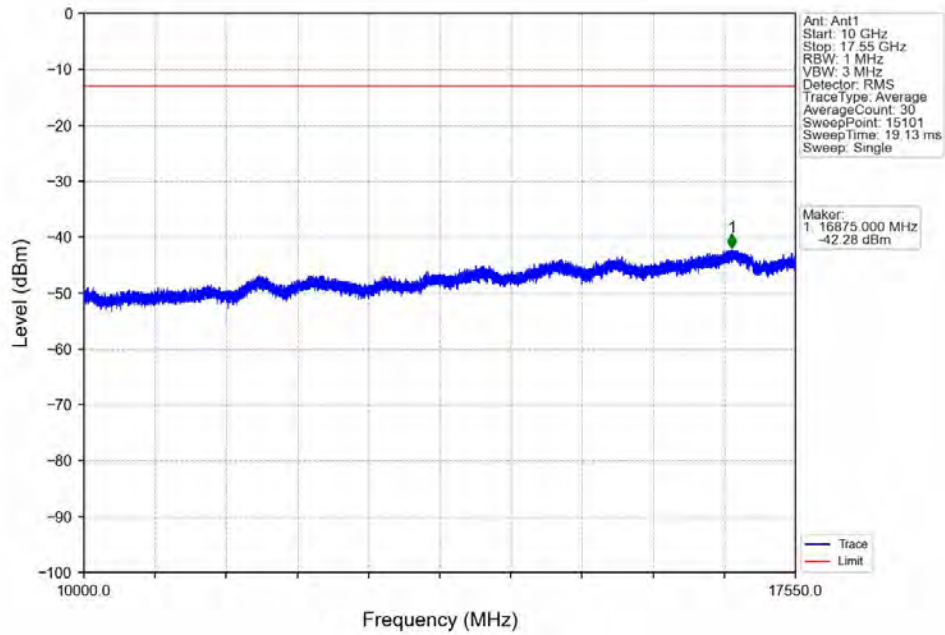
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



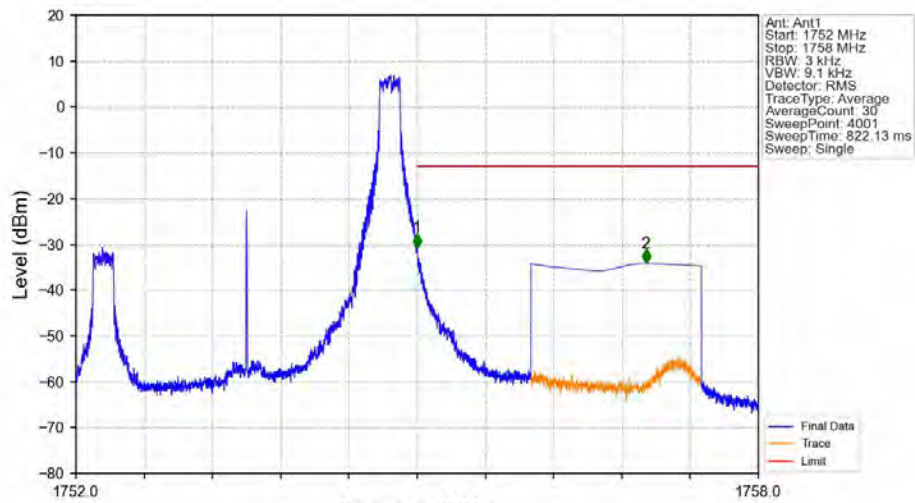
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

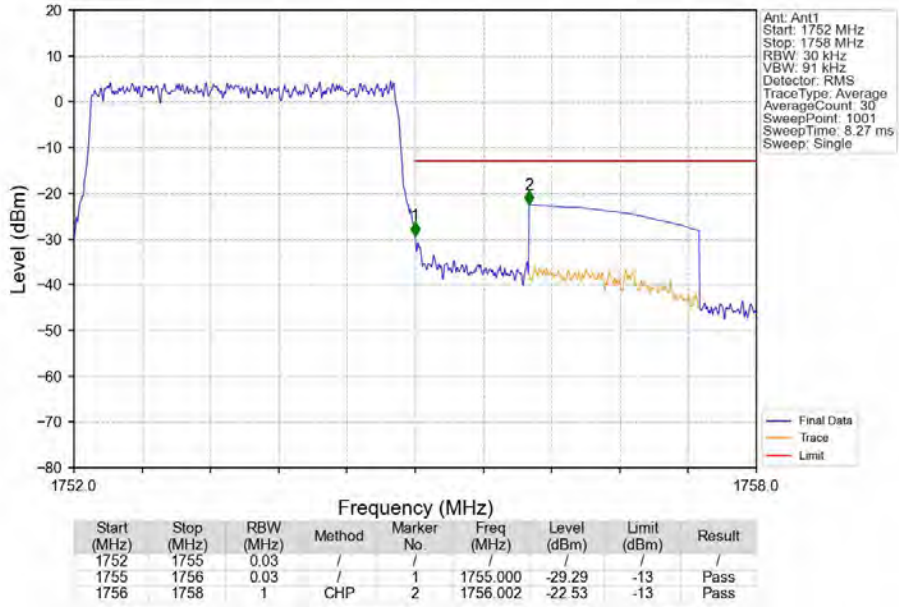


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV

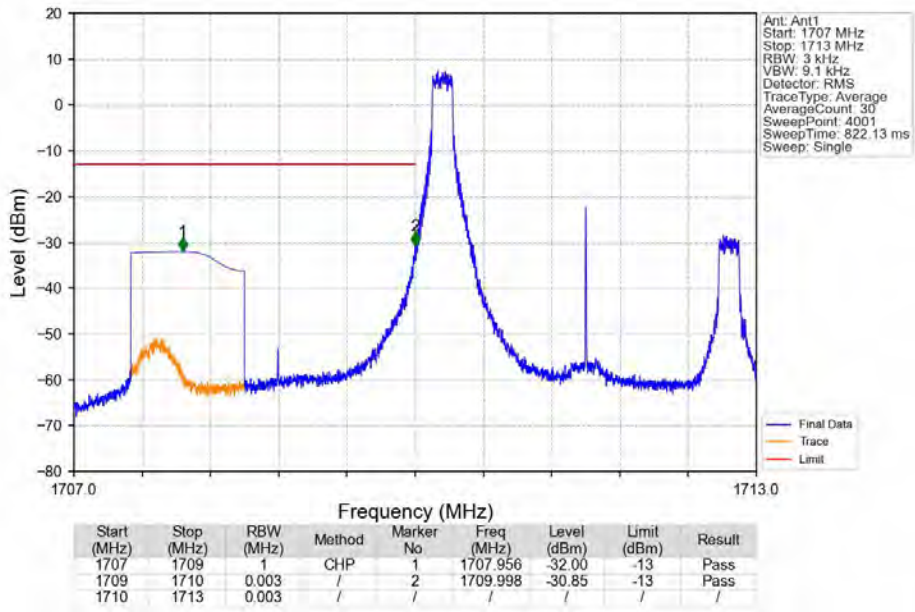


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	1	1755.000	-30.70	-13	Pass
1755	1756	0.003	/	1	1755.000	-30.70	-13	Pass
1756	1758	1	CHP	2	1757.012	-34.19	-13	Pass

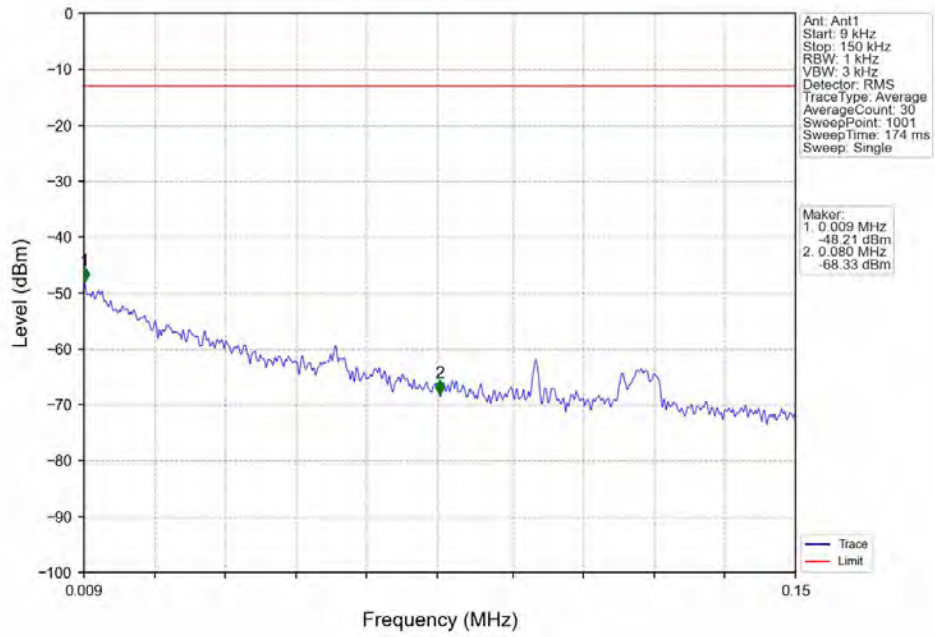
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



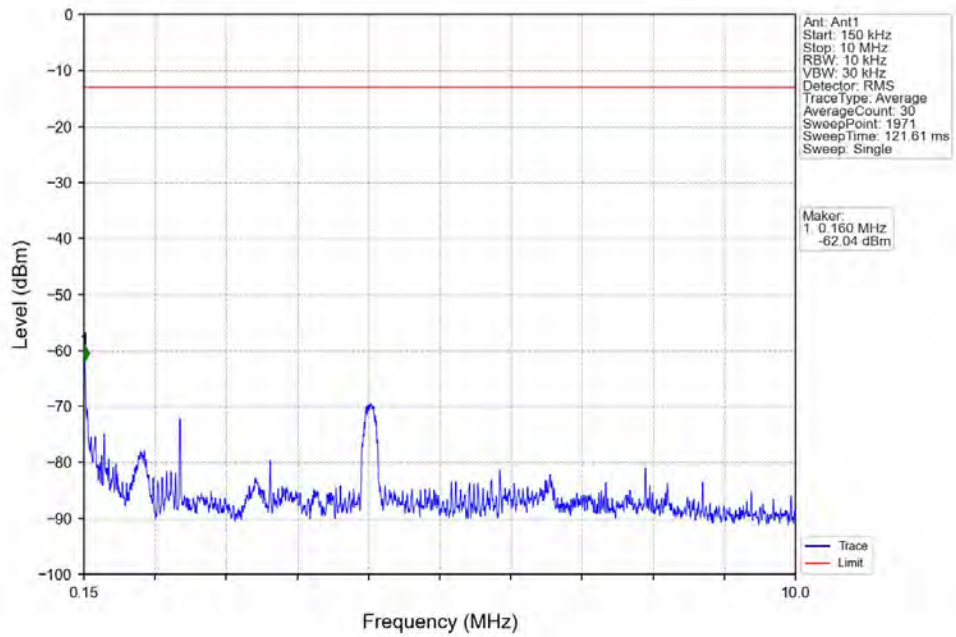
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



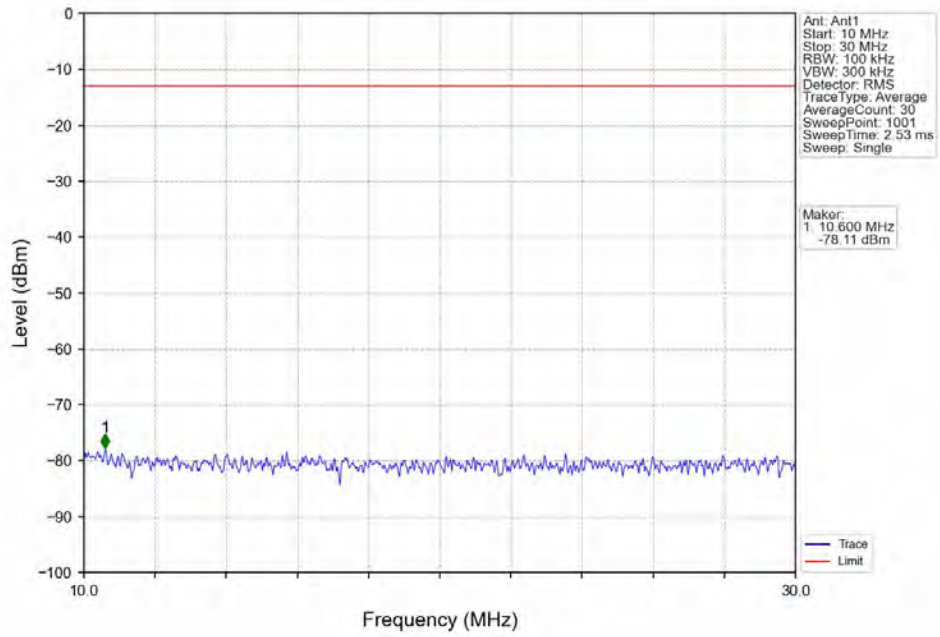
Band4 3MHz 16QAM LCH 1711.5MHz RB 1_0_NTNV



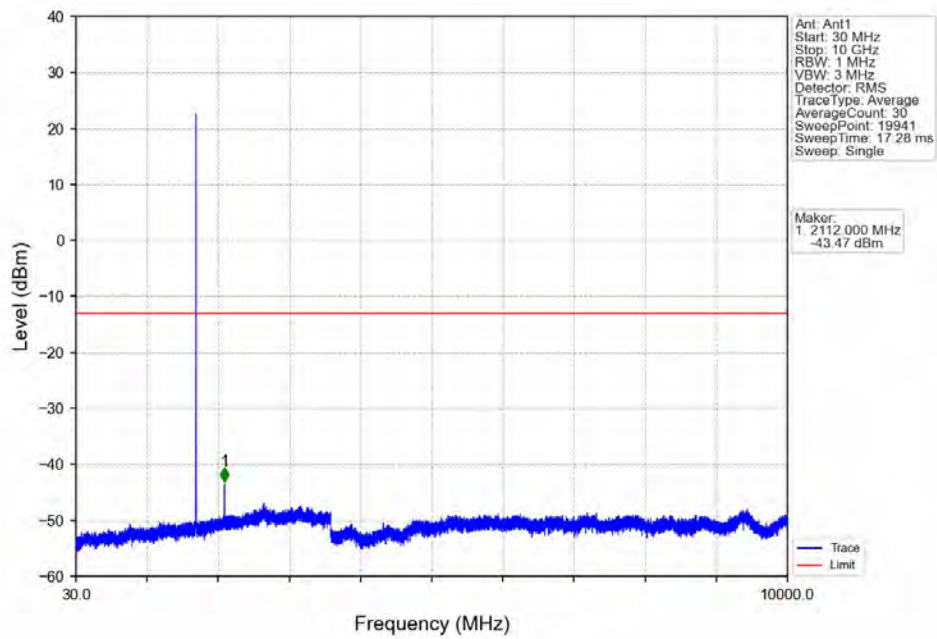
Band4 3MHz 16QAM LCH 1711.5MHz RB 1_0_NTNV



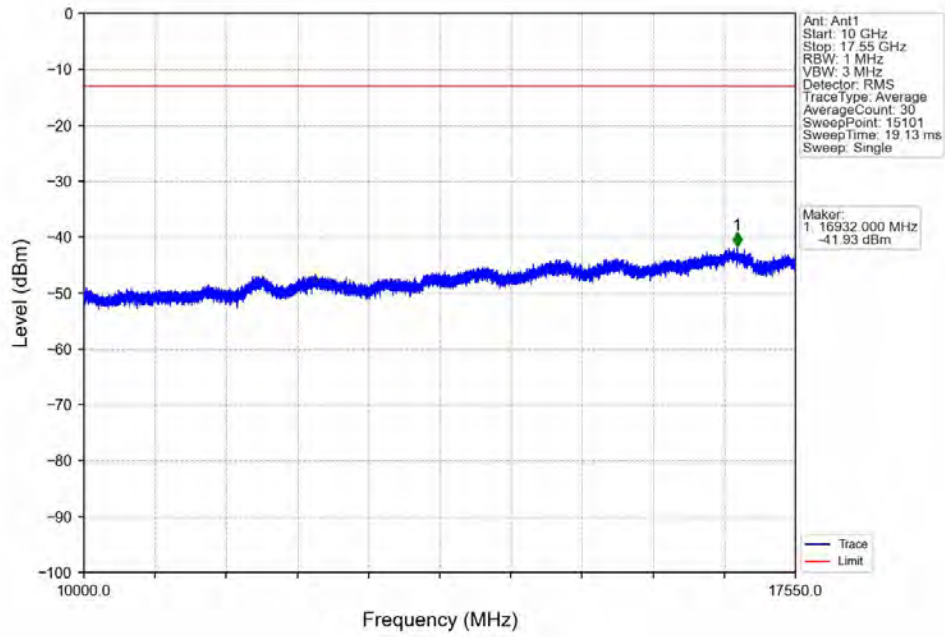
Band4 3MHz 16QAM LCH 1711.5MHz RB 1_0_NTNV



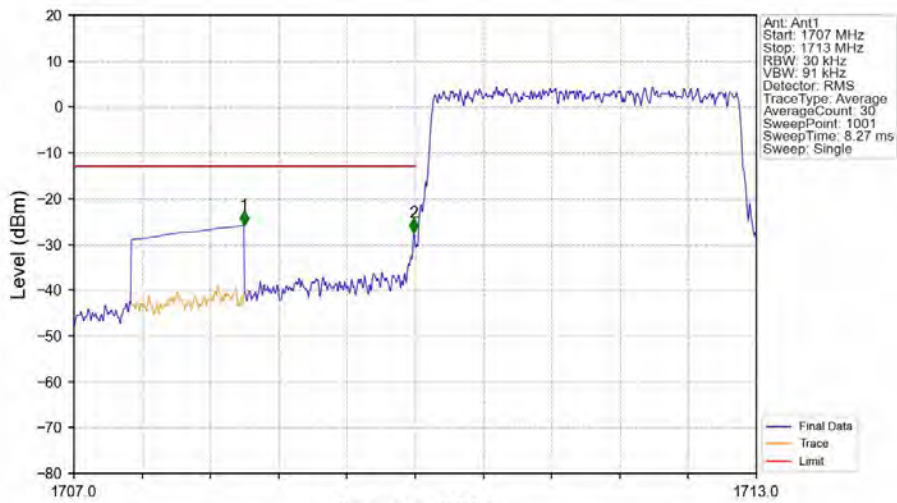
Band4 3MHz 16QAM LCH 1711.5MHz RB 1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

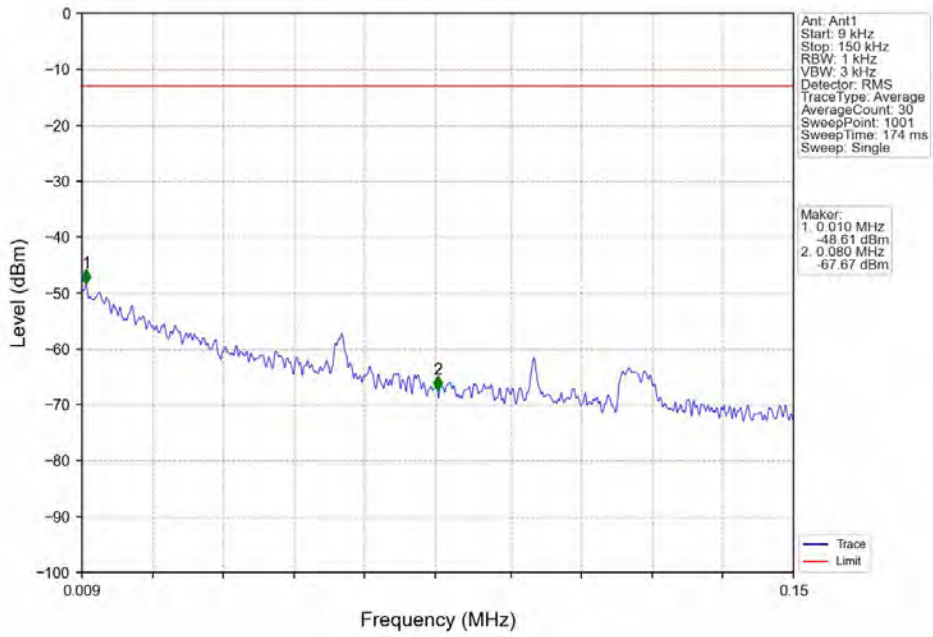


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

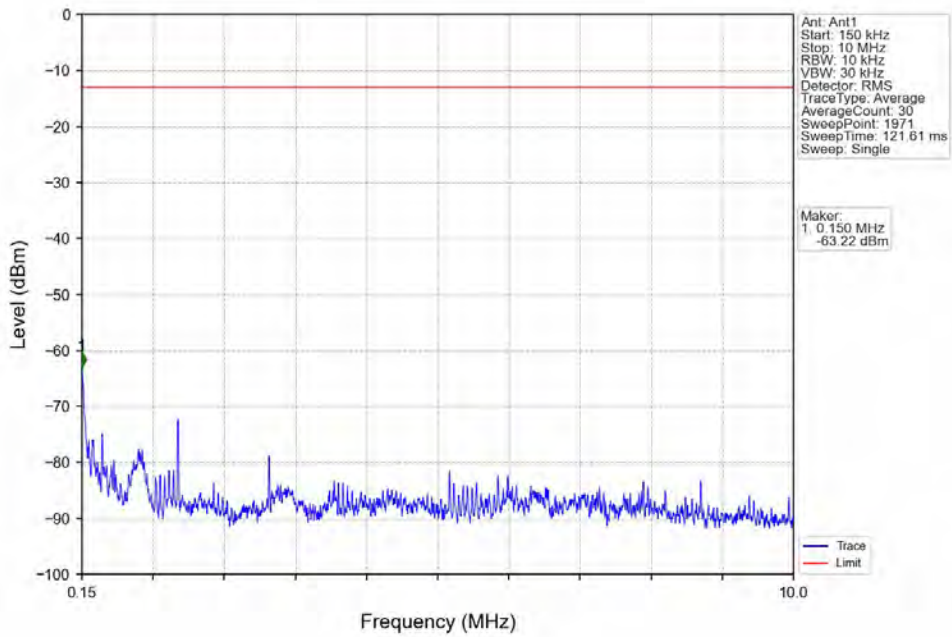


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-25.83	-13	Pass
1709	1710	0.03	/	2	1709.988	-27.47	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

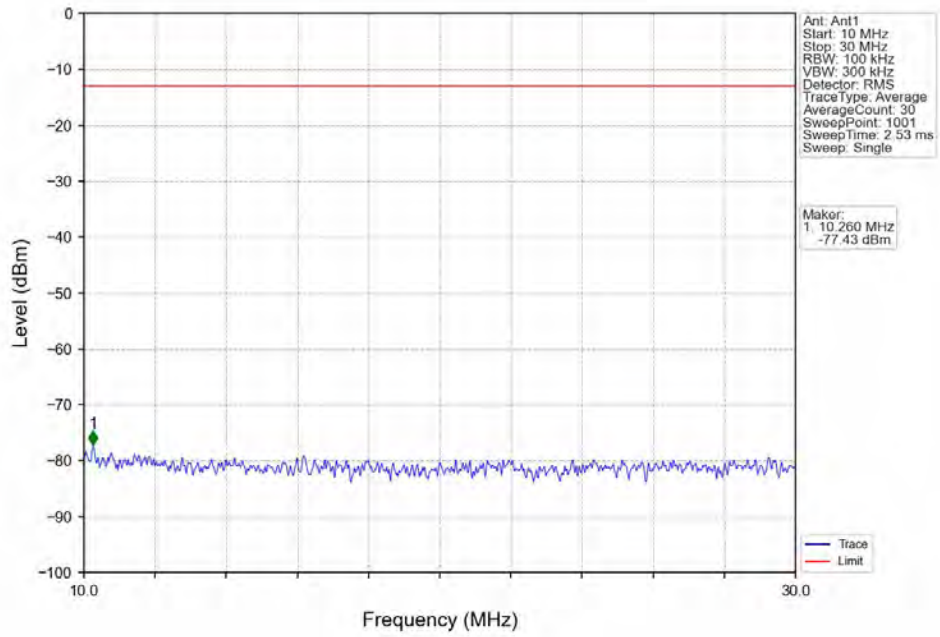
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



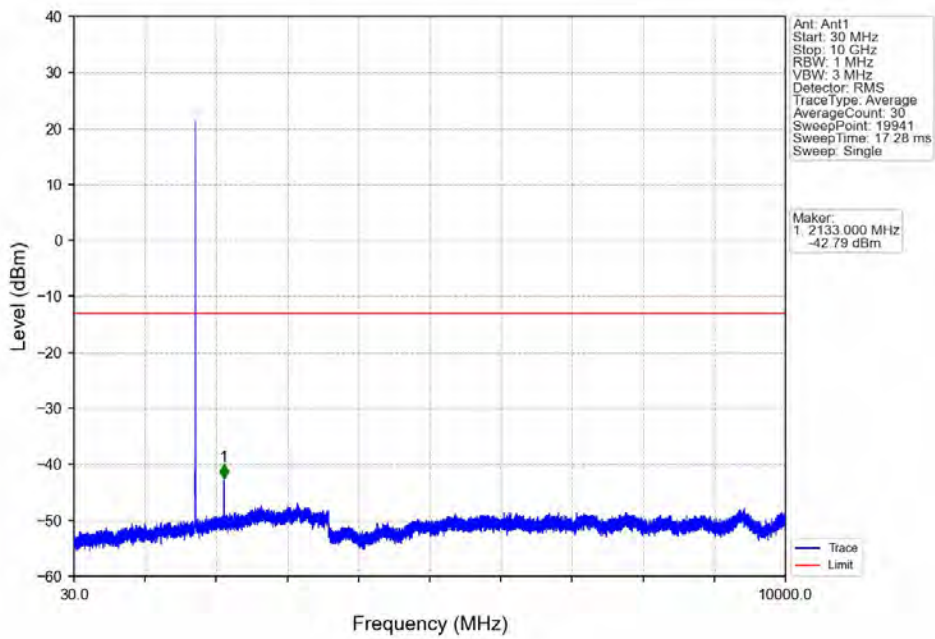
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



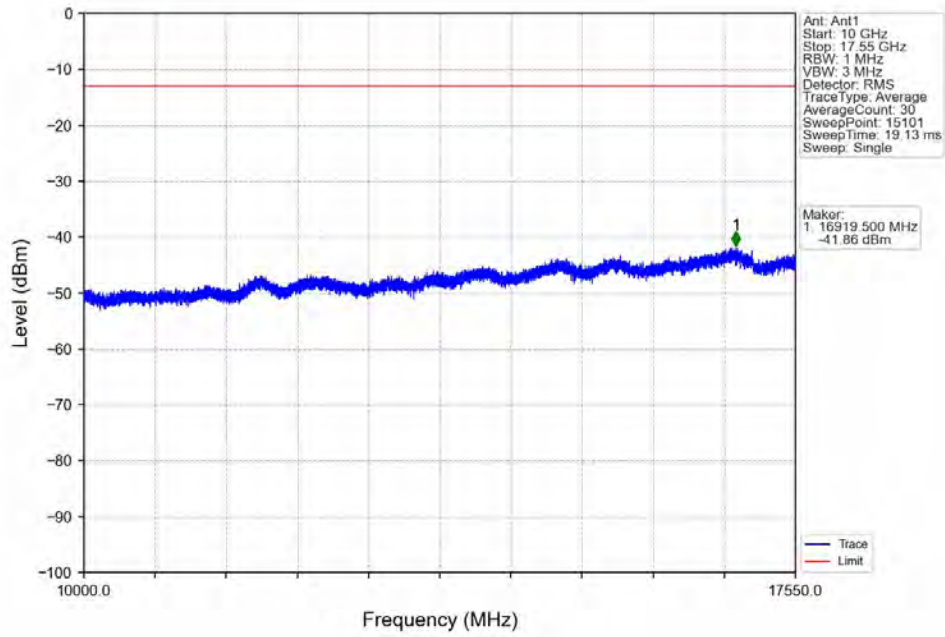
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



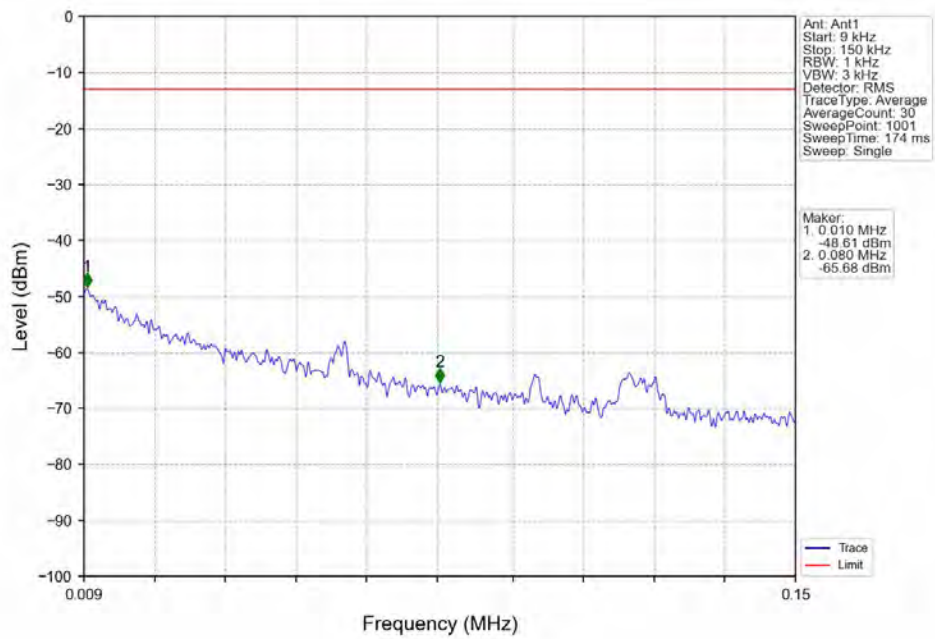
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



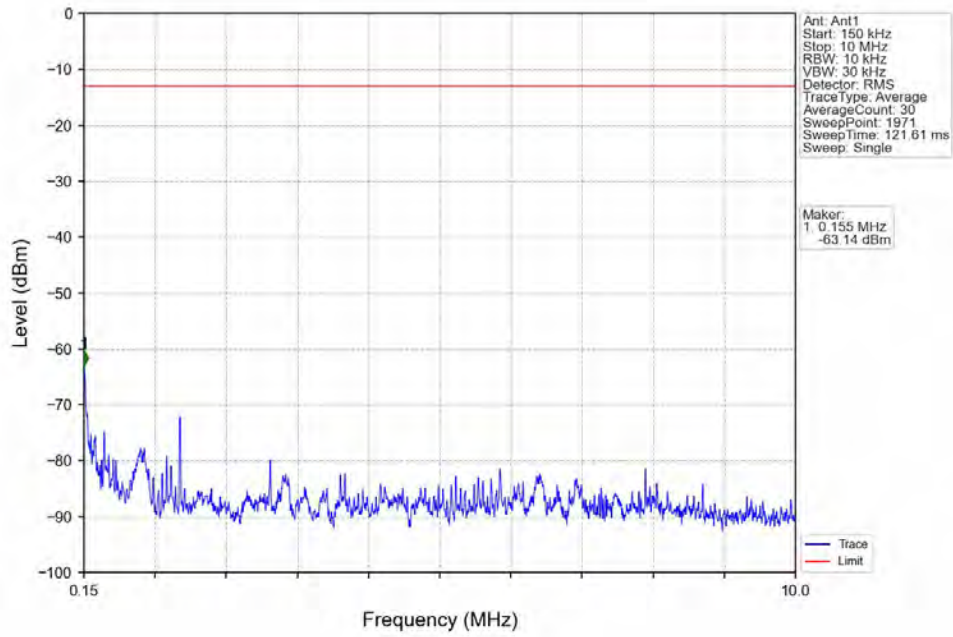
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



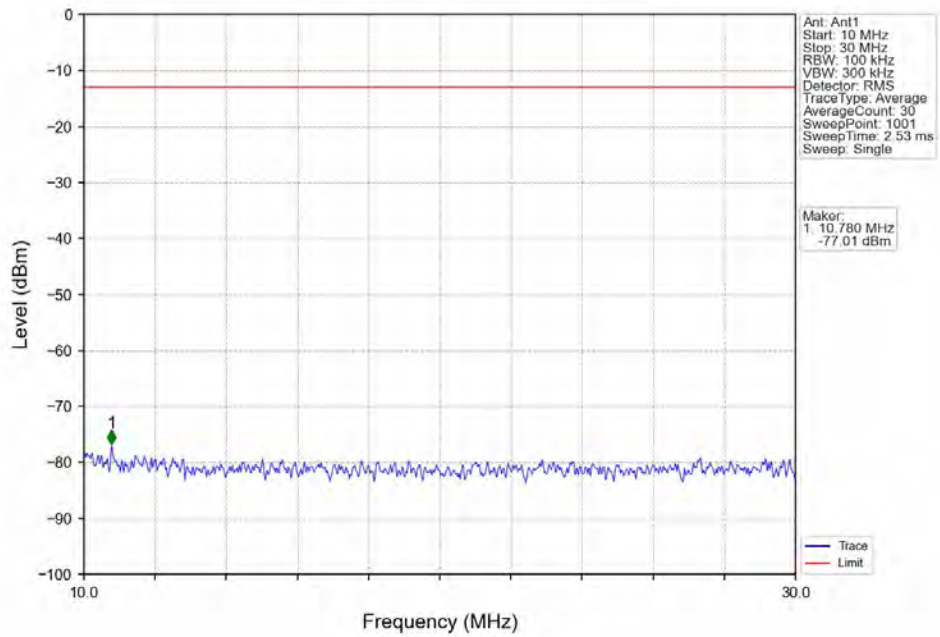
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



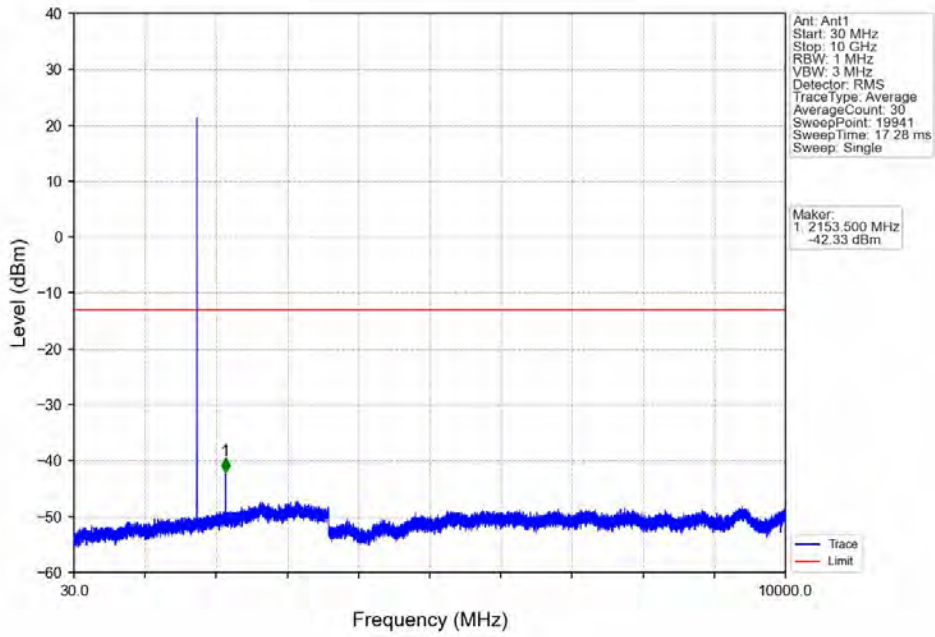
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



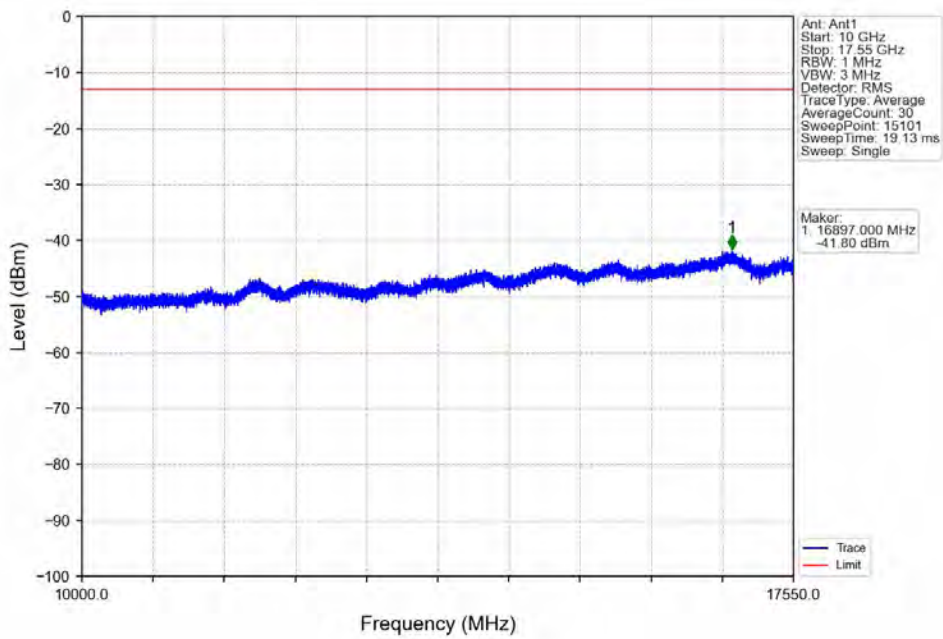
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



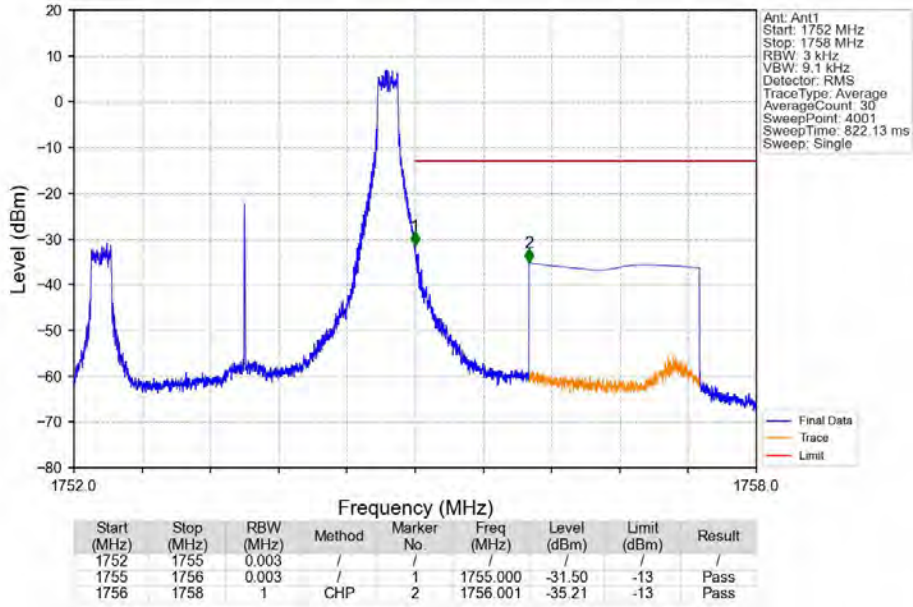
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



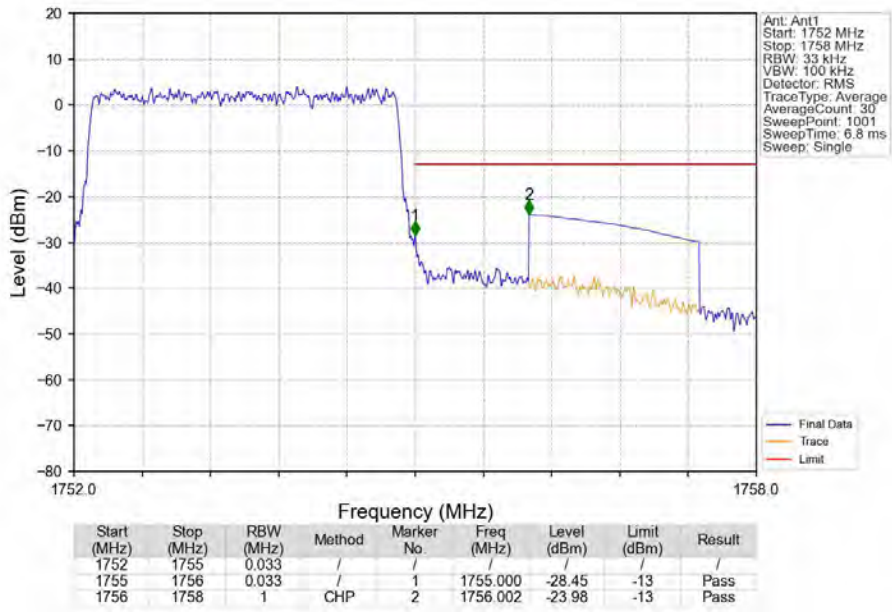
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTV

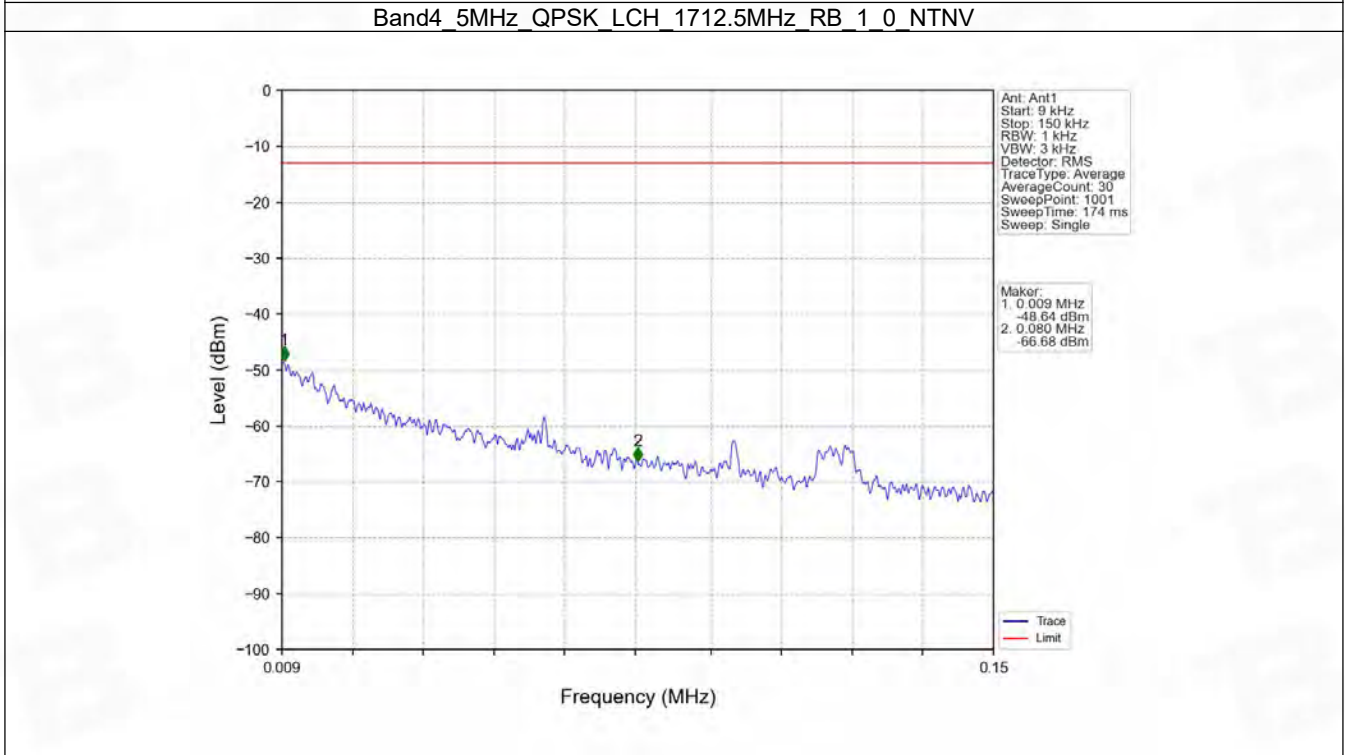
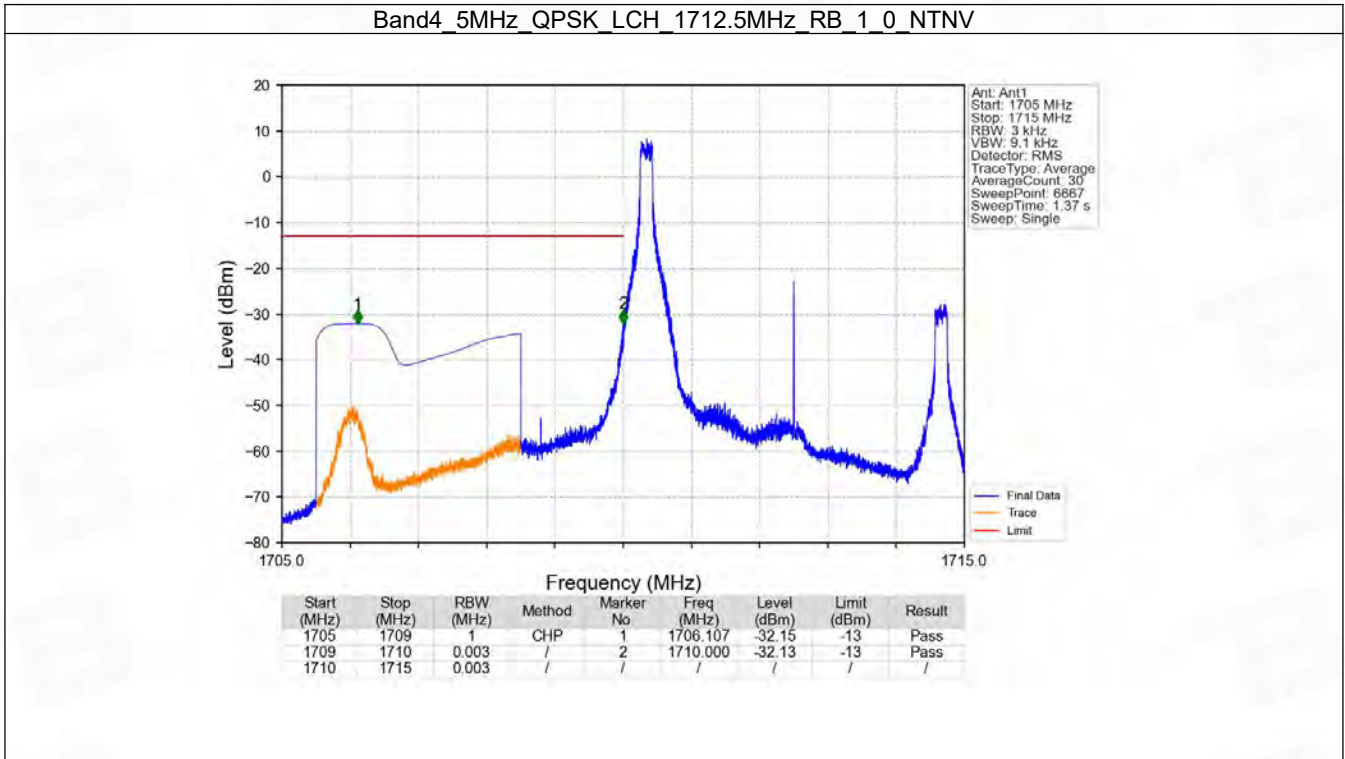


6.3 B4_5MHz

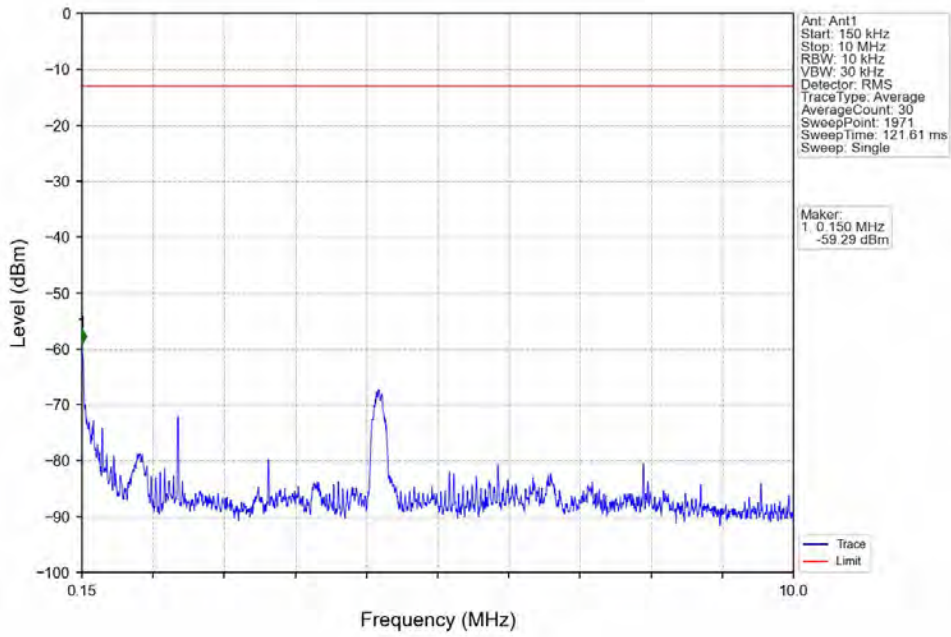
6.3.1 Test Result

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

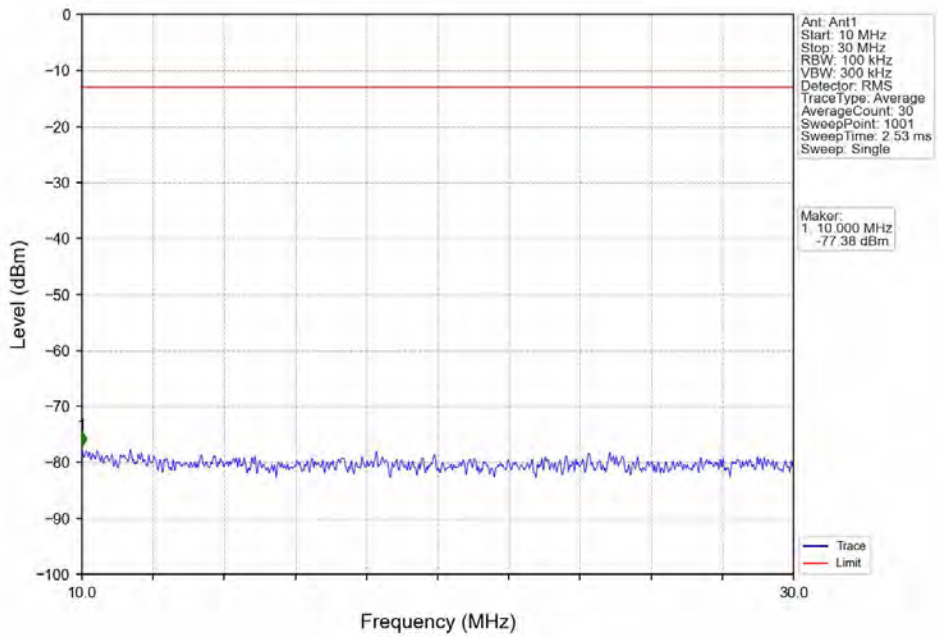
6.3.2 Test Graph



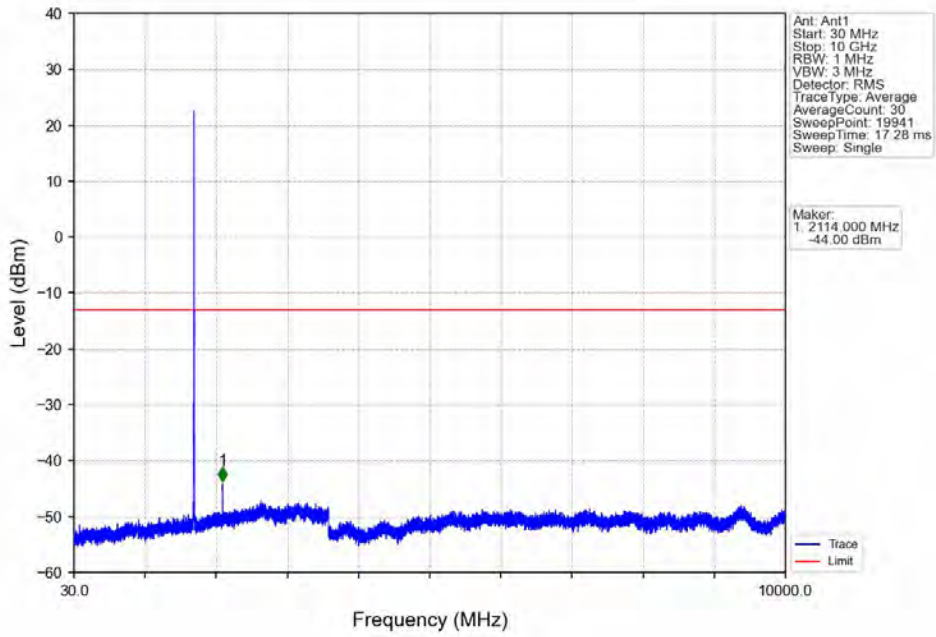
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



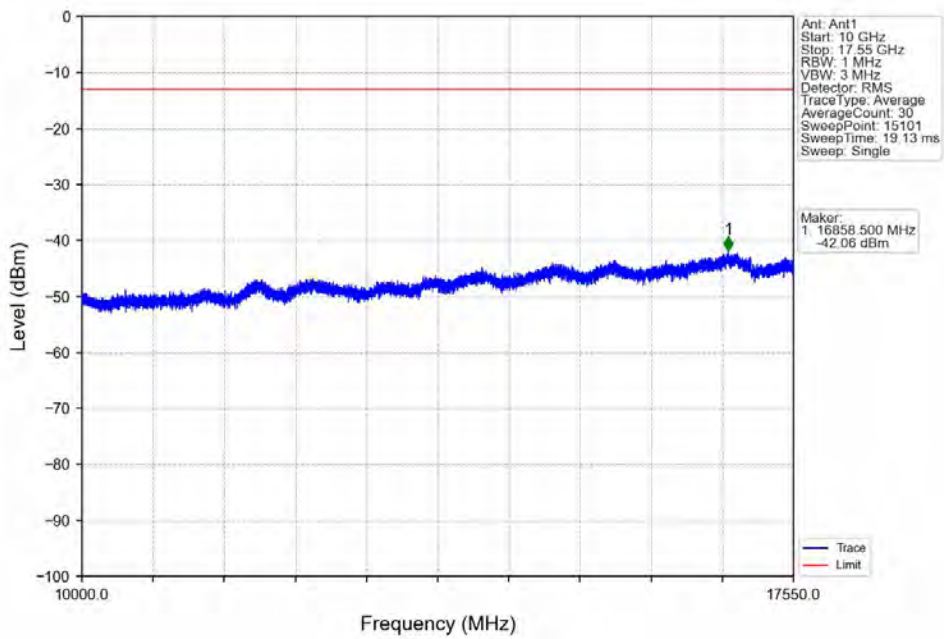
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



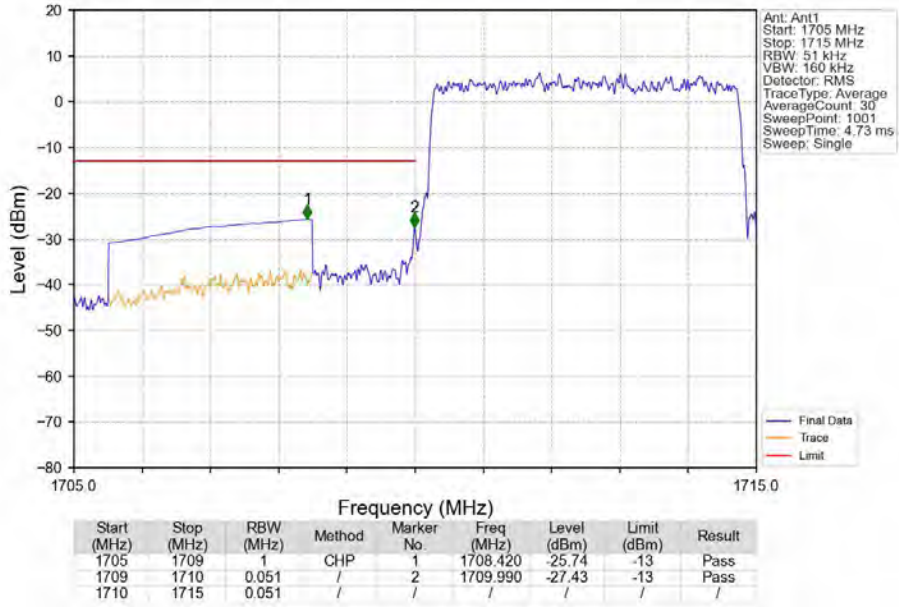
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



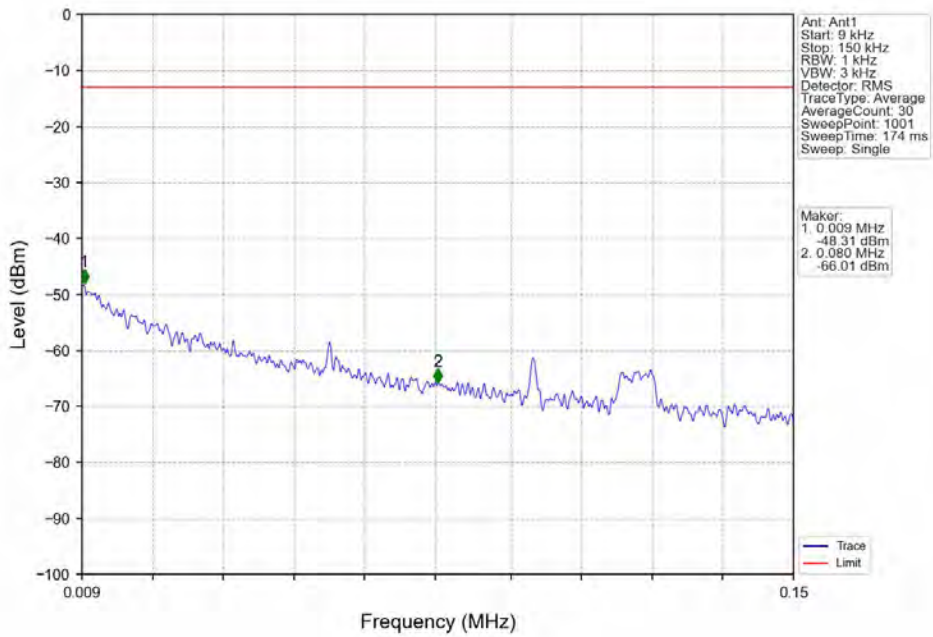
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



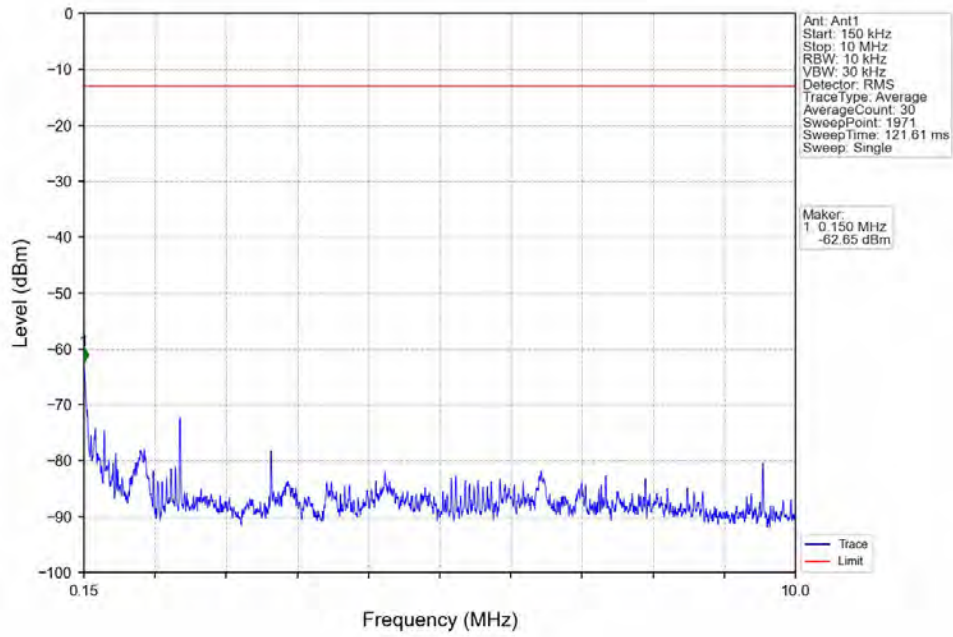
Band4 5MHz QPSK LCH 1712.5MHz RB 25_0 NTV



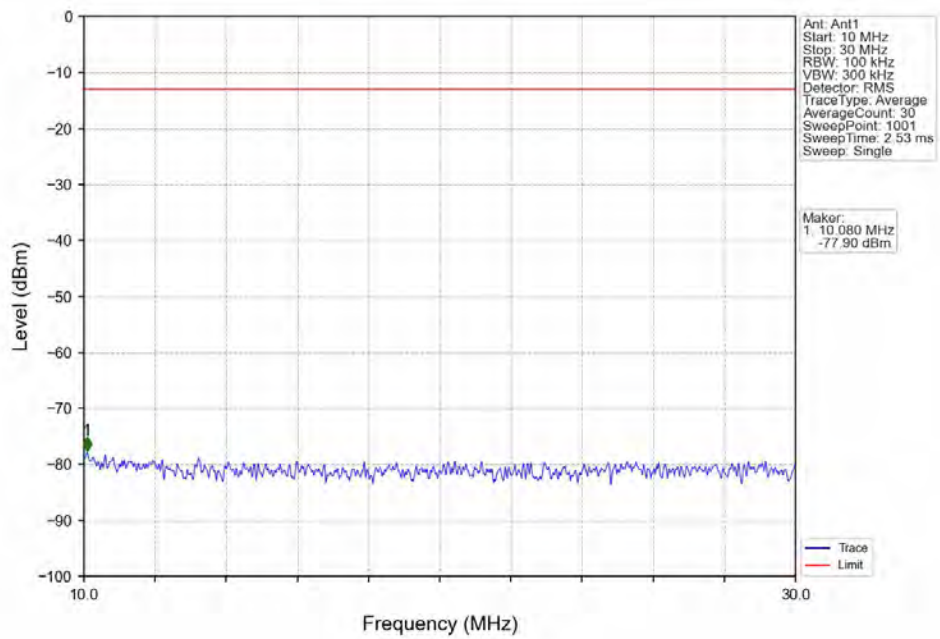
Band4 5MHz QPSK MCH 1732.5MHz RB 1_0 NTV



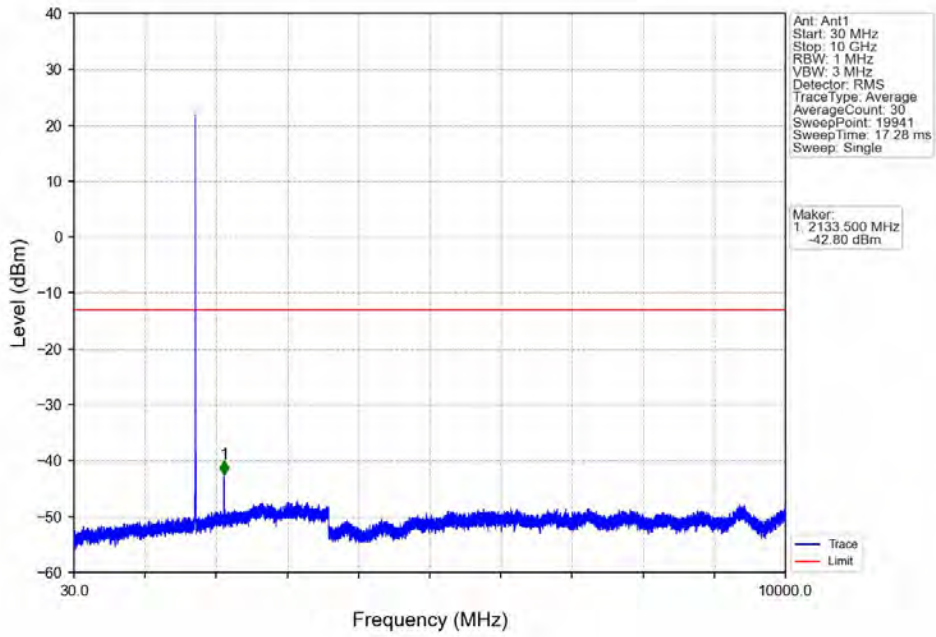
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



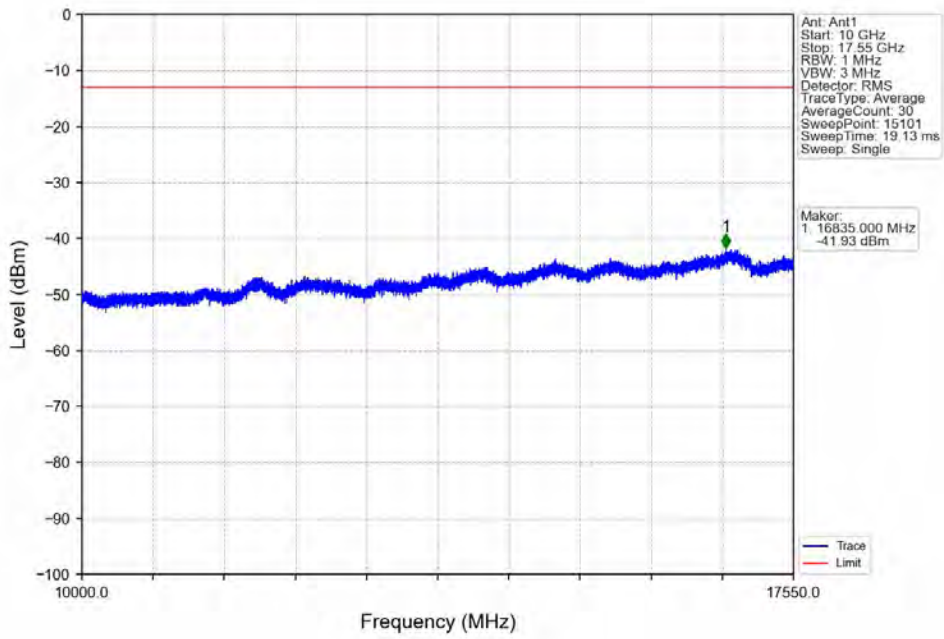
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



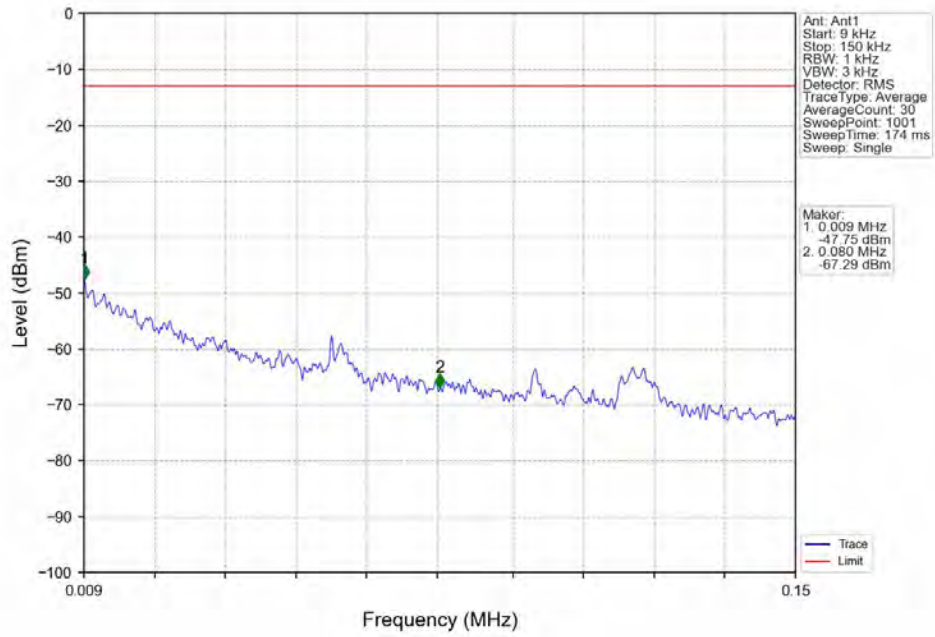
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



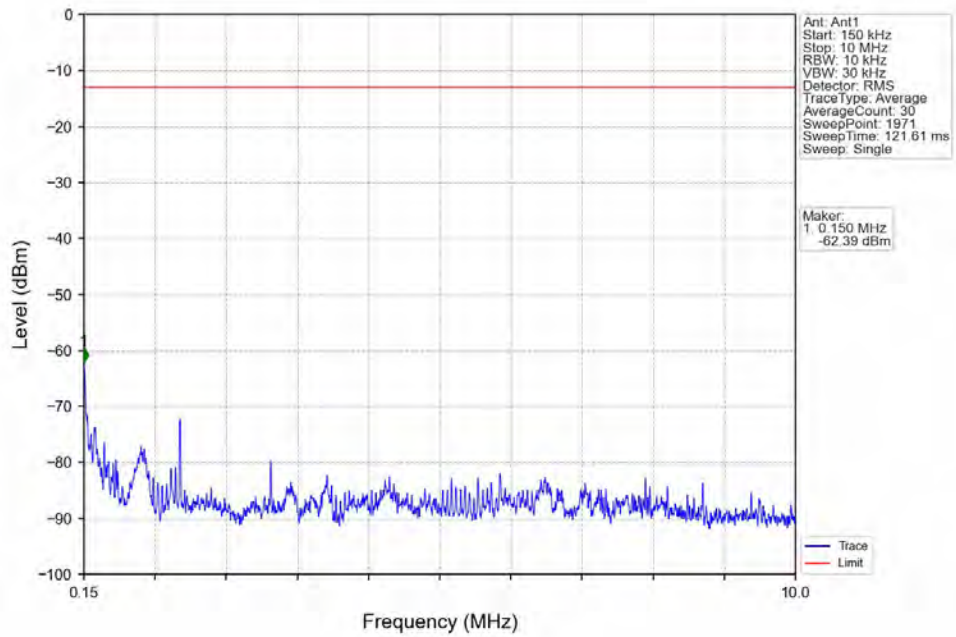
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



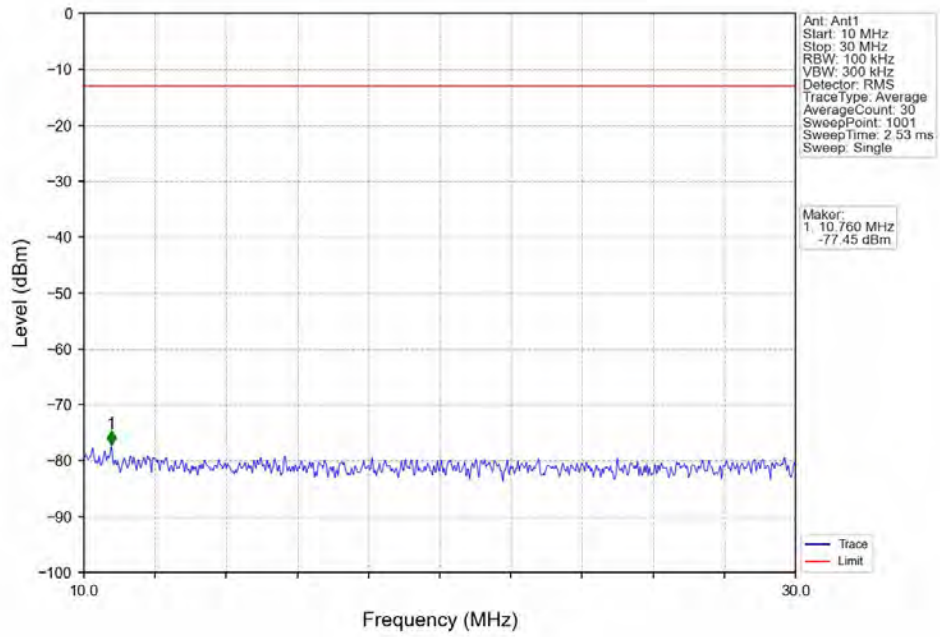
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



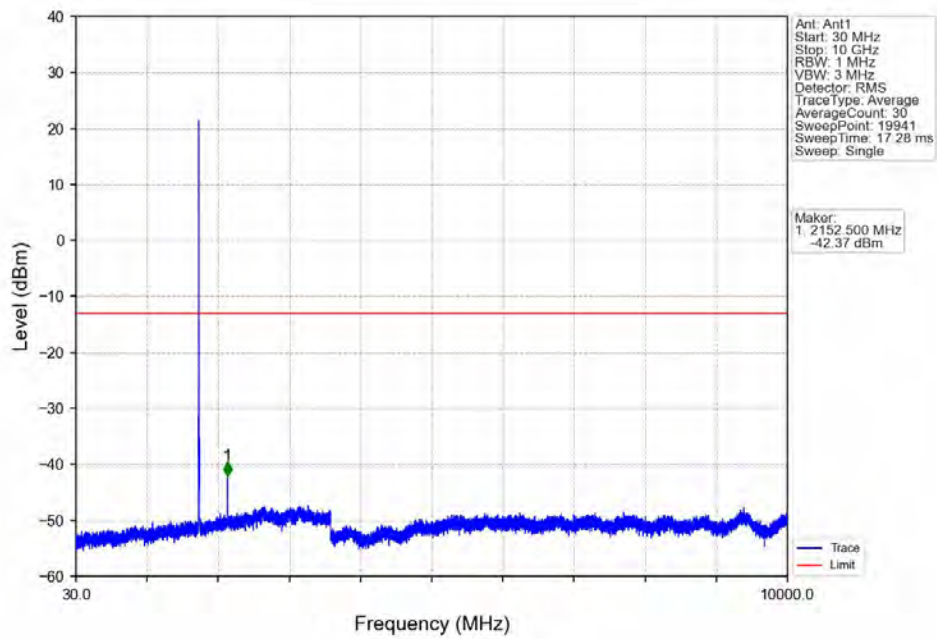
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



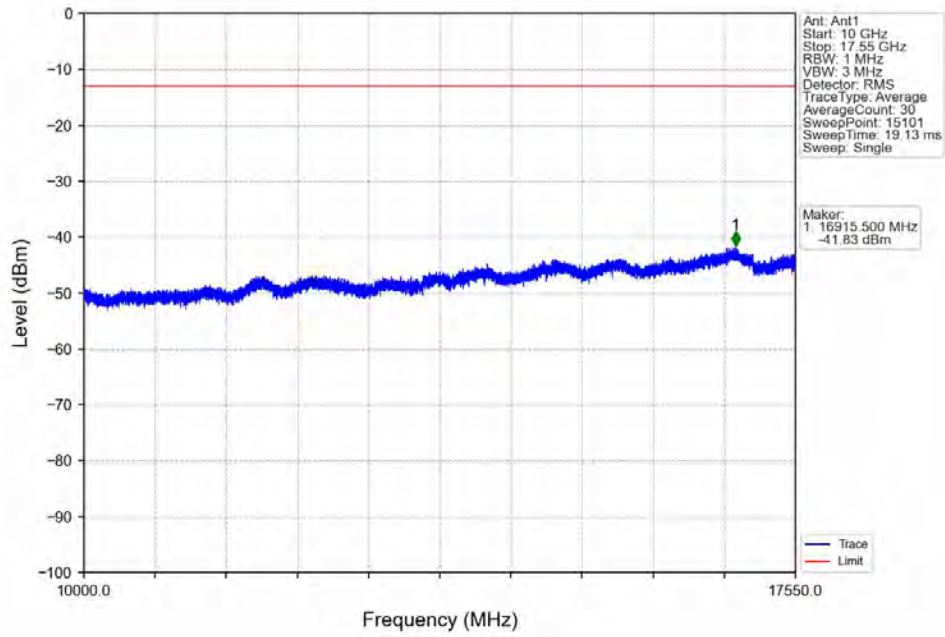
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



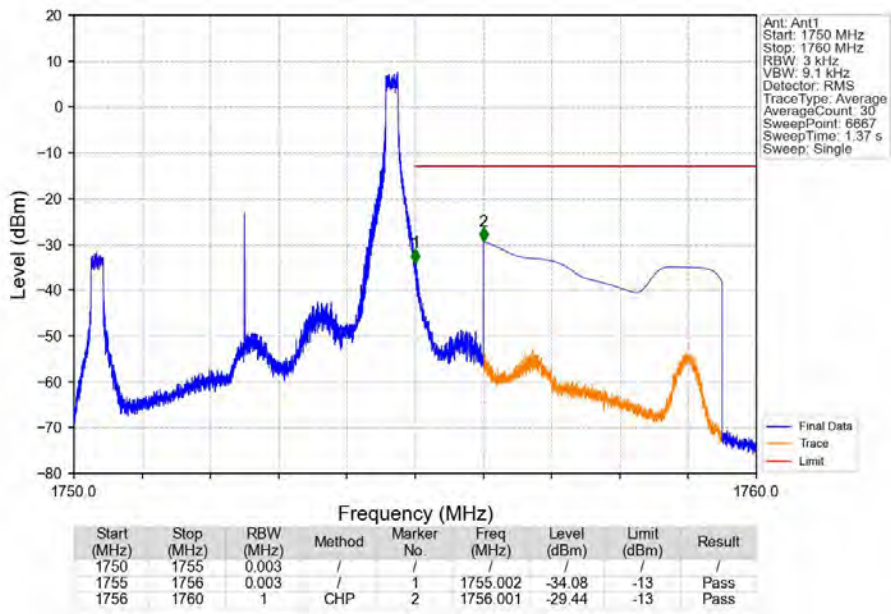
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



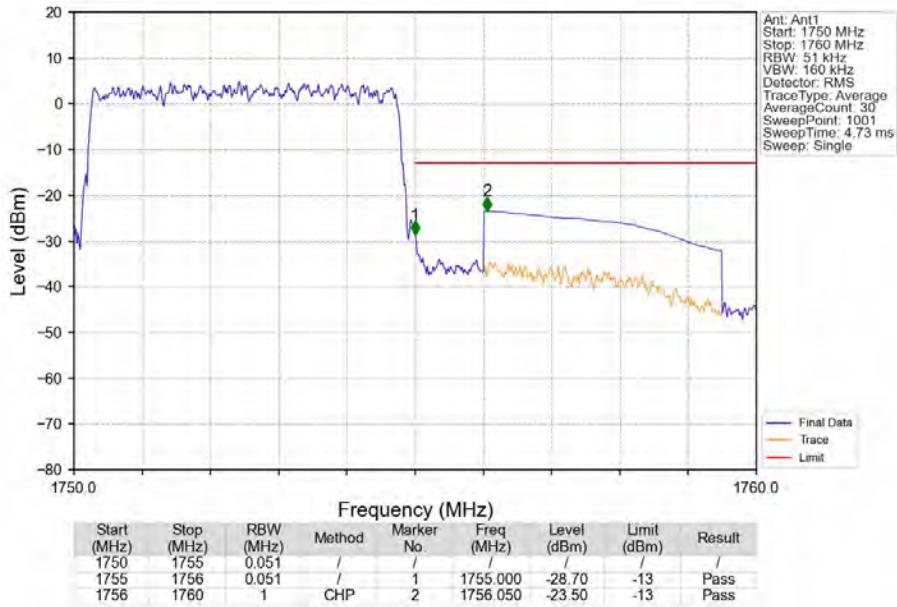
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



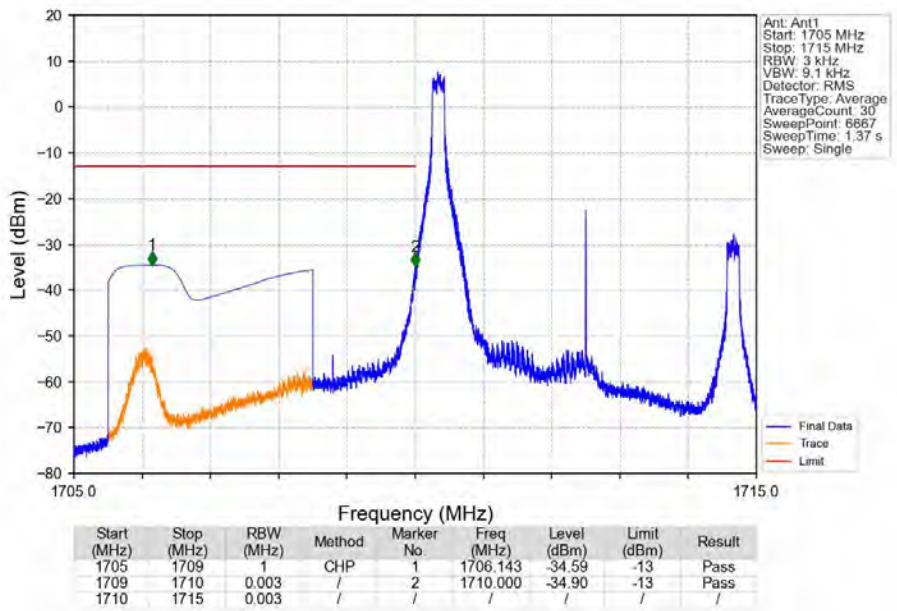
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



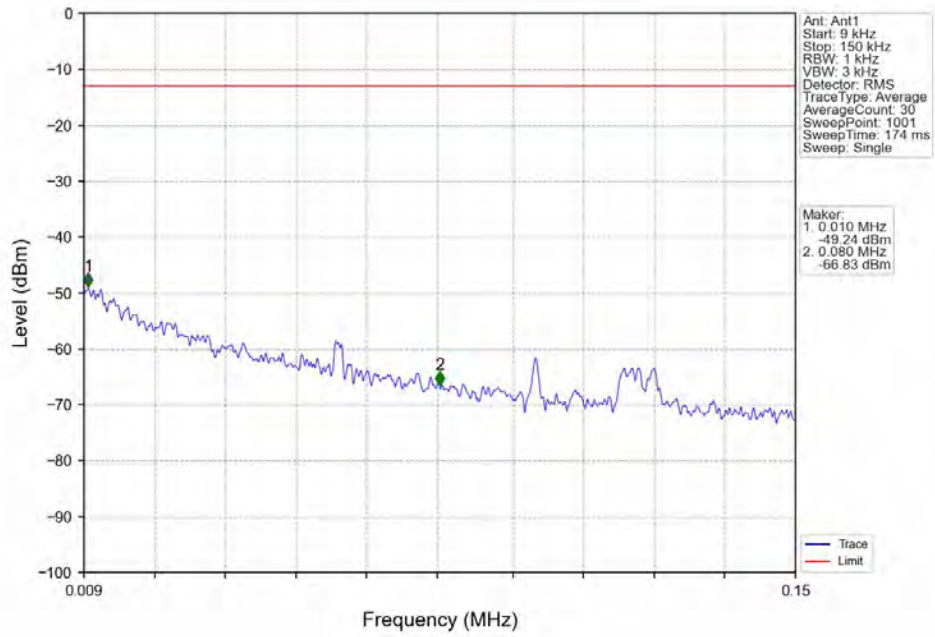
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



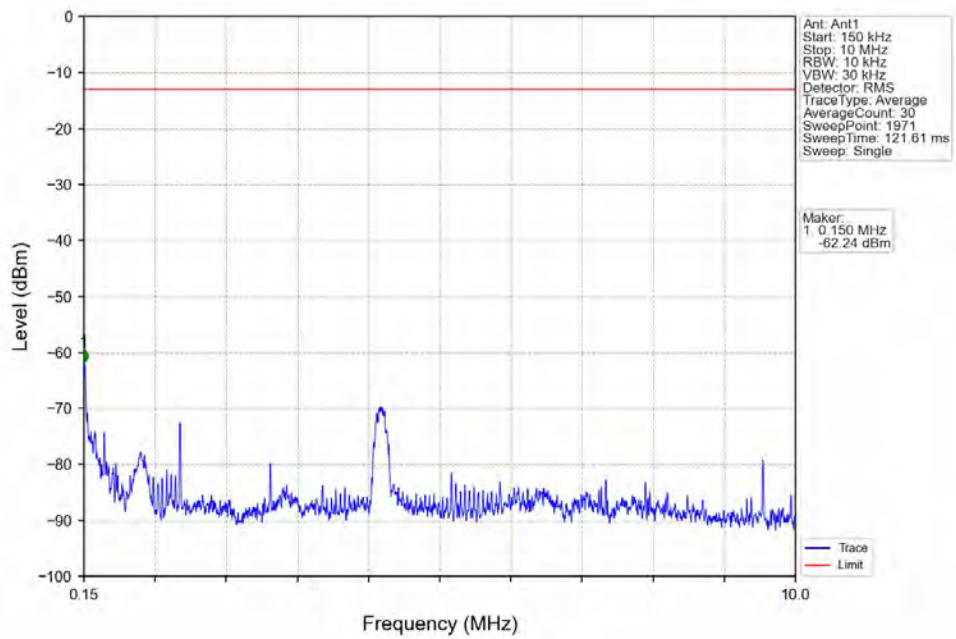
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



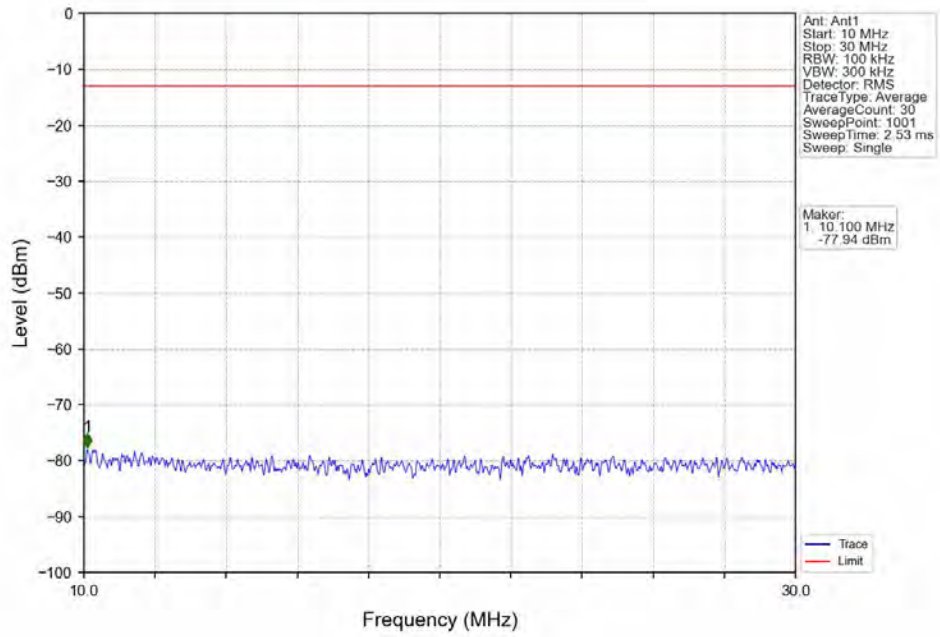
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



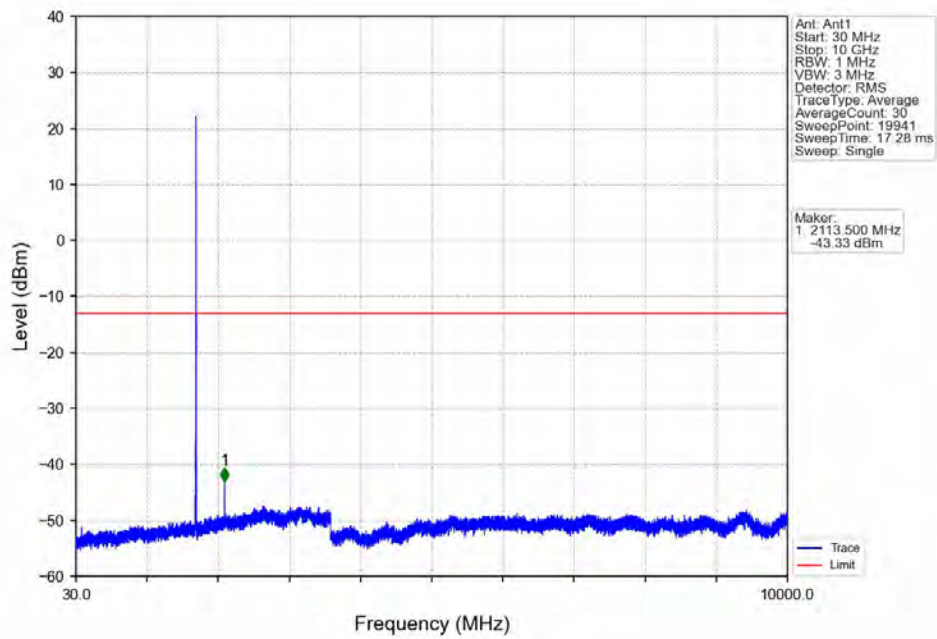
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



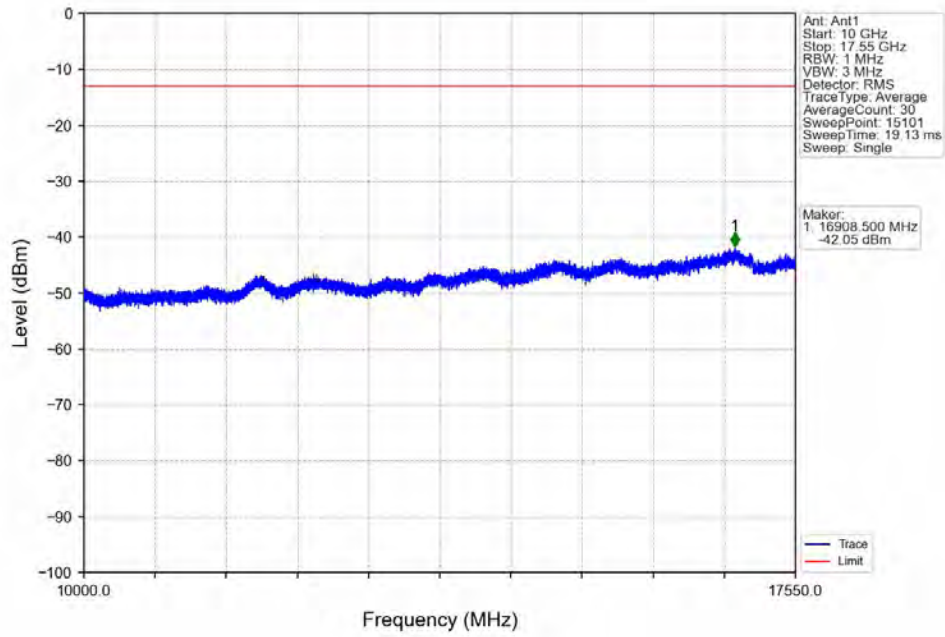
Band4 5MHz 16QAM LCH 1712.5MHz RB 1_0_NTNV



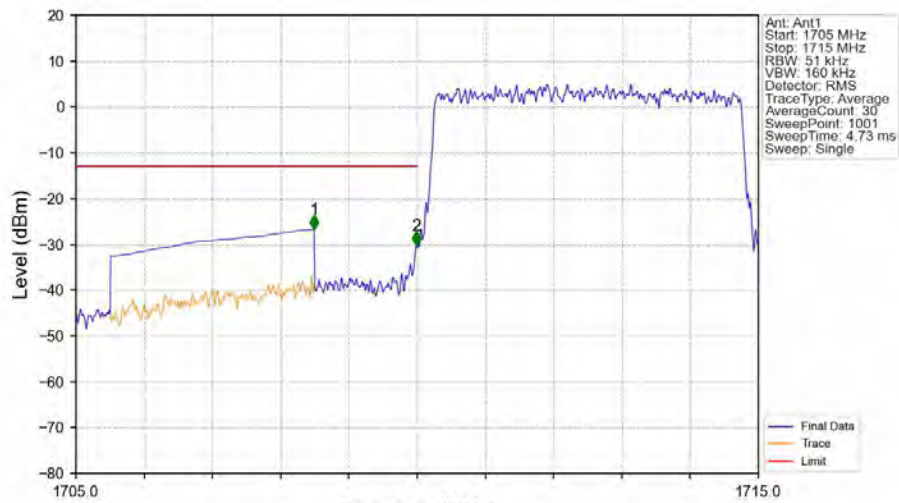
Band4 5MHz 16QAM LCH 1712.5MHz RB 1_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

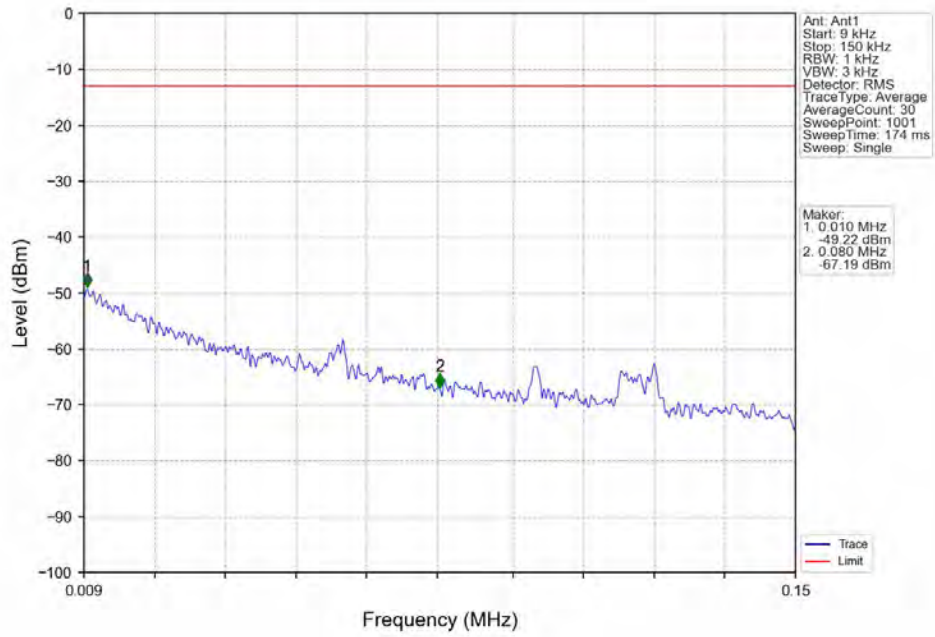


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

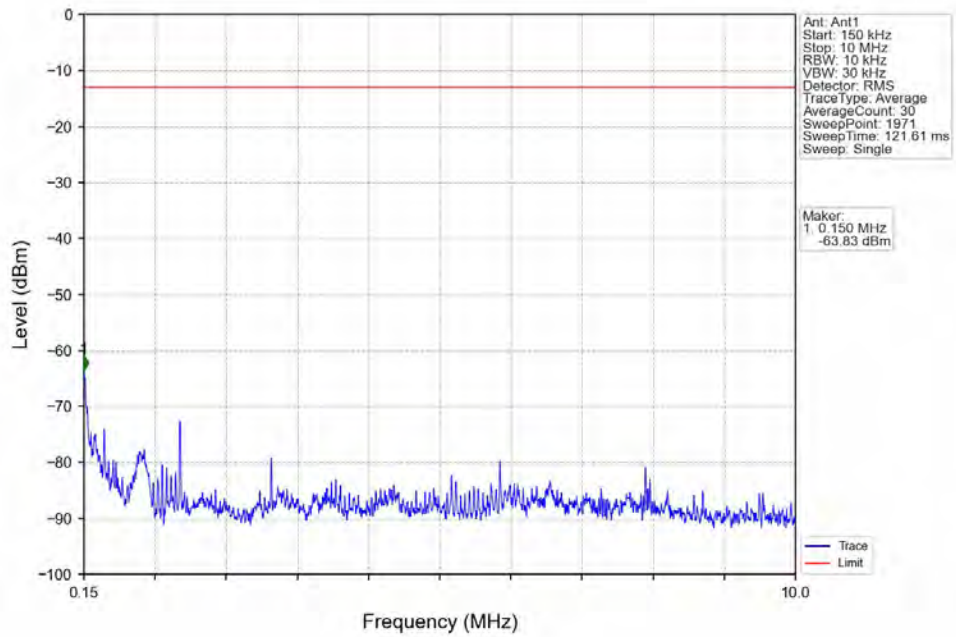


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-26.77	-13	Pass
1709	1710	0.051	/	2	1709.990	-30.32	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

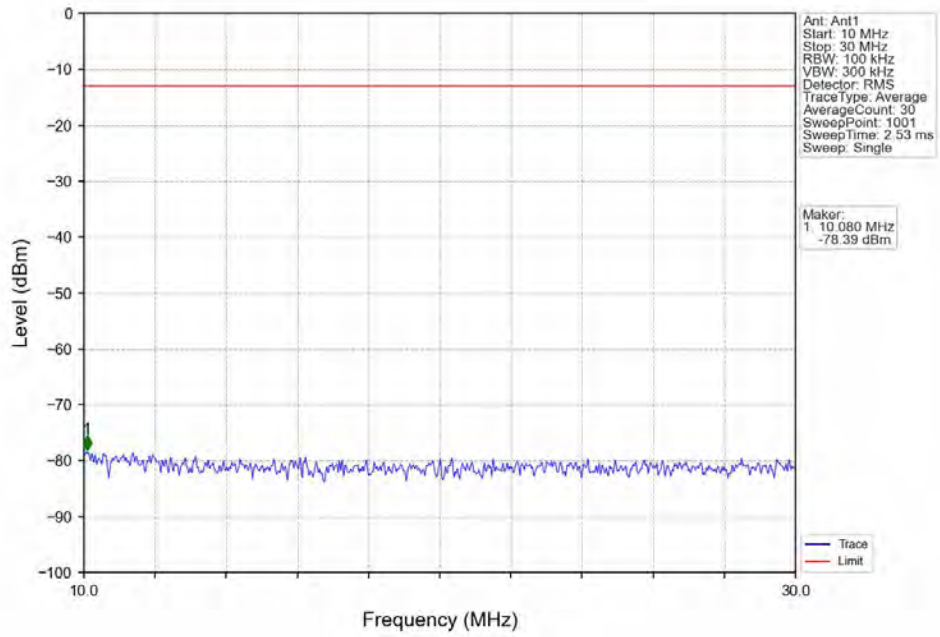
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



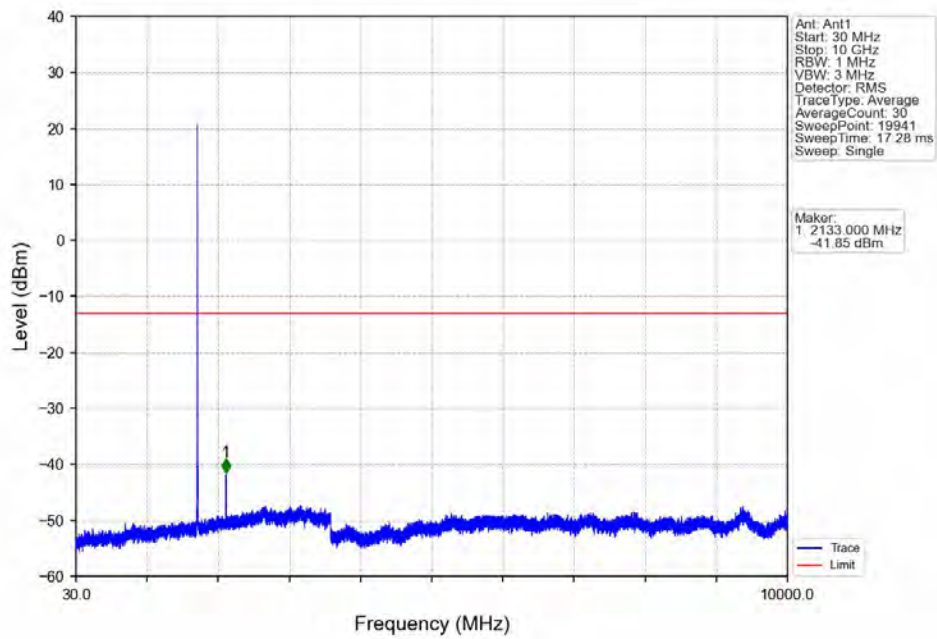
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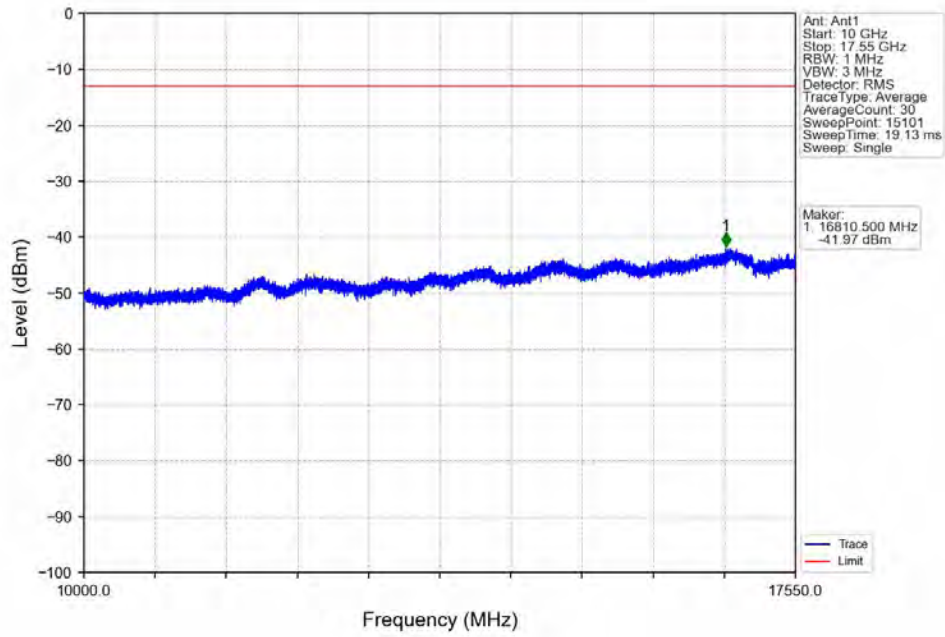
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

