



Appendix - LTE_band_12

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	699.7	1	0	22.42	0.00	20.27	<=34.77	Pass	
			2	22.39	0.00	20.24	<=34.77	Pass	
			5	22.22	0.00	20.07	<=34.77	Pass	
		3	0	22.35	0.00	20.20	<=34.77	Pass	
			2	22.28	0.00	20.13	<=34.77	Pass	
			3	22.19	0.00	20.04	<=34.77	Pass	
		6	0	21.23	0.00	19.08	<=34.77	Pass	
		707.5	1	0	22.46	0.00	20.31	<=34.77	Pass
				2	22.62	0.00	20.47	<=34.77	Pass
	5			22.53	0.00	20.38	<=34.77	Pass	
	3		0	22.50	0.00	20.35	<=34.77	Pass	
			2	22.52	0.00	20.37	<=34.77	Pass	
			3	22.50	0.00	20.35	<=34.77	Pass	
	715.3	6	0	21.63	0.00	19.48	<=34.77	Pass	
		1	0	22.30	0.00	20.15	<=34.77	Pass	
			2	22.36	0.00	20.21	<=34.77	Pass	
			5	22.45	0.00	20.30	<=34.77	Pass	
		3	0	22.31	0.00	20.16	<=34.77	Pass	
			2	22.38	0.00	20.23	<=34.77	Pass	
			3	22.39	0.00	20.24	<=34.77	Pass	
		6	0	21.43	0.00	19.28	<=34.77	Pass	
16QAM		699.7	1	0	21.33	0.00	19.18	<=34.77	Pass
	2			21.28	0.00	19.13	<=34.77	Pass	
	5			21.14	0.00	18.99	<=34.77	Pass	
	3		0	21.50	0.00	19.35	<=34.77	Pass	
			2	21.48	0.00	19.33	<=34.77	Pass	
			3	21.41	0.00	19.26	<=34.77	Pass	
	6		0	20.36	0.00	18.21	<=34.77	Pass	
	707.5	1	0	21.57	0.00	19.42	<=34.77	Pass	
			2	21.73	0.00	19.58	<=34.77	Pass	
			5	21.72	0.00	19.57	<=34.77	Pass	
		3	0	21.52	0.00	19.37	<=34.77	Pass	
			2	21.62	0.00	19.47	<=34.77	Pass	
			3	21.63	0.00	19.48	<=34.77	Pass	
	6	0	20.74	0.00	18.59	<=34.77	Pass		
	715.3	1	0	21.15	0.00	19.00	<=34.77	Pass	
			2	21.26	0.00	19.11	<=34.77	Pass	
			5	21.26	0.00	19.11	<=34.77	Pass	
		3	0	21.45	0.00	19.30	<=34.77	Pass	
			2	21.53	0.00	19.38	<=34.77	Pass	
			3	21.53	0.00	19.38	<=34.77	Pass	
		6	0	20.42	0.00	18.27	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.2 B12_3MHz_ERP



Band: 12 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	22.35	0.00	20.20	<=34.77	Pass
			7	22.16	0.00	20.01	<=34.77	Pass
			14	21.81	0.00	19.66	<=34.77	Pass
		8	0	21.31	0.00	19.16	<=34.77	Pass
			4	21.06	0.00	18.91	<=34.77	Pass
			7	20.89	0.00	18.74	<=34.77	Pass
		15	0	21.18	0.00	19.03	<=34.77	Pass
	707.5	1	0	22.58	0.00	20.43	<=34.77	Pass
			7	22.73	0.00	20.58	<=34.77	Pass
			14	22.27	0.00	20.12	<=34.77	Pass
		8	0	21.56	0.00	19.41	<=34.77	Pass
			4	21.62	0.00	19.47	<=34.77	Pass
			7	21.58	0.00	19.43	<=34.77	Pass
		15	0	21.55	0.00	19.40	<=34.77	Pass
	714.5	1	0	22.34	0.00	20.19	<=34.77	Pass
			7	22.32	0.00	20.17	<=34.77	Pass
			14	22.34	0.00	20.19	<=34.77	Pass
		8	0	21.38	0.00	19.23	<=34.77	Pass
			4	21.40	0.00	19.25	<=34.77	Pass
			7	21.39	0.00	19.24	<=34.77	Pass
		15	0	21.36	0.00	19.21	<=34.77	Pass
16QAM	700.5	1	0	21.71	0.00	19.56	<=34.77	Pass
			7	21.50	0.00	19.35	<=34.77	Pass
			14	21.11	0.00	18.96	<=34.77	Pass
		8	0	20.46	0.00	18.31	<=34.77	Pass
			4	20.26	0.00	18.11	<=34.77	Pass
			7	20.11	0.00	17.96	<=34.77	Pass
		15	0	20.20	0.00	18.05	<=34.77	Pass
	707.5	1	0	21.35	0.00	19.20	<=34.77	Pass
			7	21.55	0.00	19.40	<=34.77	Pass
			14	21.10	0.00	18.95	<=34.77	Pass
		8	0	20.65	0.00	18.50	<=34.77	Pass
			4	20.74	0.00	18.59	<=34.77	Pass
			7	20.67	0.00	18.52	<=34.77	Pass
		15	0	20.69	0.00	18.54	<=34.77	Pass
	714.5	1	0	21.33	0.00	19.18	<=34.77	Pass
			7	21.38	0.00	19.23	<=34.77	Pass
			14	21.28	0.00	19.13	<=34.77	Pass
		8	0	20.44	0.00	18.29	<=34.77	Pass
			4	20.47	0.00	18.32	<=34.77	Pass
			7	20.46	0.00	18.31	<=34.77	Pass
		15	0	20.39	0.00	18.24	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	22.62	0.00	20.47	<=34.77	Pass
			13	22.04	0.00	19.89	<=34.77	Pass
			24	22.41	0.00	20.26	<=34.77	Pass
		12	0	21.32	0.00	19.17	<=34.77	Pass
			6	21.23	0.00	19.08	<=34.77	Pass
			13	21.32	0.00	19.17	<=34.77	Pass



16QAM	707.5	25	0	21.32	0.00	19.17	<=34.77	Pass
			0	22.52	0.00	20.37	<=34.77	Pass
			13	22.66	0.00	20.51	<=34.77	Pass
		1	24	22.38	0.00	20.23	<=34.77	Pass
			0	21.69	0.00	19.54	<=34.77	Pass
			6	21.63	0.00	19.48	<=34.77	Pass
			13	21.47	0.00	19.32	<=34.77	Pass
		12	25	21.54	0.00	19.39	<=34.77	Pass
			0	22.39	0.00	20.24	<=34.77	Pass
			13	22.58	0.00	20.43	<=34.77	Pass
		713.5	24	22.60	0.00	20.45	<=34.77	Pass
			0	21.50	0.00	19.35	<=34.77	Pass
			6	21.56	0.00	19.41	<=34.77	Pass
16QAM	701.5	1	13	21.61	0.00	19.46	<=34.77	Pass
			25	21.56	0.00	19.41	<=34.77	Pass
			0	21.85	0.00	19.70	<=34.77	Pass
		12	13	21.28	0.00	19.13	<=34.77	Pass
			24	21.63	0.00	19.48	<=34.77	Pass
			0	20.38	0.00	18.23	<=34.77	Pass
		25	6	20.22	0.00	18.07	<=34.77	Pass
			13	20.34	0.00	18.19	<=34.77	Pass
			0	20.40	0.00	18.25	<=34.77	Pass
	707.5	1	0	21.59	0.00	19.44	<=34.77	Pass
			13	21.75	0.00	19.60	<=34.77	Pass
			24	21.49	0.00	19.34	<=34.77	Pass
		12	0	20.68	0.00	18.53	<=34.77	Pass
			6	20.69	0.00	18.54	<=34.77	Pass
			13	20.62	0.00	18.47	<=34.77	Pass
		25	0	20.67	0.00	18.52	<=34.77	Pass
			0	21.60	0.00	19.45	<=34.77	Pass
		713.5	13	21.77	0.00	19.62	<=34.77	Pass
			24	21.81	0.00	19.66	<=34.77	Pass
			0	20.55	0.00	18.40	<=34.77	Pass
		12	6	20.62	0.00	18.47	<=34.77	Pass
			13	20.67	0.00	18.52	<=34.77	Pass
		25	0	20.65	0.00	18.50	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	22.53	0.00	20.38	<=34.77	Pass
			25	22.39	0.00	20.24	<=34.77	Pass
			49	22.61	0.00	20.46	<=34.77	Pass
		25	0	21.29	0.00	19.14	<=34.77	Pass
			13	21.45	0.00	19.30	<=34.77	Pass
			25	21.61	0.00	19.46	<=34.77	Pass
		50	0	21.55	0.00	19.40	<=34.77	Pass
			0	22.35	0.00	20.20	<=34.77	Pass
			25	22.72	0.00	20.57	<=34.77	Pass
	707.5	1	49	22.34	0.00	20.19	<=34.77	Pass
			0	21.60	0.00	19.45	<=34.77	Pass
			13	21.65	0.00	19.50	<=34.77	Pass
		25	25	21.56	0.00	19.41	<=34.77	Pass
			0	21.58	0.00	19.43	<=34.77	Pass
			0	22.76	0.00	20.61	<=34.77	Pass
		50	0					
	711	1	0					



16QAM		25	25	22.51	0.00	20.36	<=34.77	Pass
			49	22.79	0.00	20.64	<=34.77	Pass
			0	21.71	0.00	19.56	<=34.77	Pass
			13	21.60	0.00	19.45	<=34.77	Pass
			25	21.64	0.00	19.49	<=34.77	Pass
	704	1	0	21.69	0.00	19.54	<=34.77	Pass
			25	21.89	0.00	19.74	<=34.77	Pass
			49	21.72	0.00	19.57	<=34.77	Pass
		12	0	21.97	0.00	19.82	<=34.77	Pass
			19	21.32	0.00	19.17	<=34.77	Pass
			38	21.50	0.00	19.35	<=34.77	Pass
		27	0	21.79	0.00	19.64	<=34.77	Pass
			19	20.31	0.00	18.16	<=34.77	Pass
			23	20.62	0.00	18.47	<=34.77	Pass
	707.5	1	0	21.14	0.00	18.99	<=34.77	Pass
			25	21.60	0.00	19.45	<=34.77	Pass
			49	21.26	0.00	19.11	<=34.77	Pass
		12	0	21.43	0.00	19.28	<=34.77	Pass
			19	21.70	0.00	19.55	<=34.77	Pass
			38	21.48	0.00	19.33	<=34.77	Pass
		27	0	20.68	0.00	18.53	<=34.77	Pass
			19	21.83	0.00	19.68	<=34.77	Pass
			23	21.51	0.00	19.36	<=34.77	Pass
	711	1	0	21.83	0.00	19.68	<=34.77	Pass
			25	21.51	0.00	19.36	<=34.77	Pass
			49	21.83	0.00	19.68	<=34.77	Pass
		12	0	21.76	0.00	19.61	<=34.77	Pass
			19	21.54	0.00	19.39	<=34.77	Pass
			38	21.65	0.00	19.50	<=34.77	Pass
		27	0	20.62	0.00	18.47	<=34.77	Pass
			19	21.54	0.00	19.39	<=34.77	Pass
			23	21.65	0.00	19.50	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B12_1.4MHz

Band: 12 / 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	699.7	6	0	20	3.27	-0.772	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.230	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.144	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-0.544	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.386	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass



16QAM	715.3	6	0	30	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				20	3.27	-1.016	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.302	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.216	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
	699.7	6	0	20	3.27	0.558	0.0008	-2.5 to 2.5	Pass
					3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
					4.43	0.672	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.343	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.315	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.129	0.0002	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	0.043	0.0001	-2.5 to 2.5	Pass
					3.85	0.286	0.0004	-2.5 to 2.5	Pass
					4.43	-0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.157	0.0002	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-0.043	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.014	0.0000	-2.5 to 2.5	Pass
					4.43	0.157	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.529	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.687	0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass

2.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	700.5	15	0	20	3.27	-1.016	-0.0015	-2.5 to 2.5	Pass
					3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
					4.43	-1.316	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass



16QAM	707.5	15	0	-10	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.744	-0.0011	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.515	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.43	0.114	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.529	0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-1.159	-0.0016	-2.5 to 2.5	Pass
					3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.159	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-0.615	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.958	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.675	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-1.903	-0.0027	-2.5 to 2.5	Pass
	700.5	15	0	20	3.27	0.114	0.0002	-2.5 to 2.5	Pass
					3.85	0.529	0.0008	-2.5 to 2.5	Pass
					4.43	0.215	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.458	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	0.257	0.0004	-2.5 to 2.5	Pass
					3.85	0.286	0.0004	-2.5 to 2.5	Pass
					4.43	0.215	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.243	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	-1.688	-0.0024	-2.5 to 2.5	Pass
					3.85	-1.588	-0.0022	-2.5 to 2.5	Pass
					4.43	-1.359	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-1.245	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-1.388	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.316	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
	714.5	15	0	30	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.416	-0.0020	-2.5 to 2.5	Pass



				50	3.85	-1.202	-0.0017	-2.5 to 2.5	Pass
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2.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	701.5	25	0	20	3.27	-2.303	-0.0033	-2.5 to 2.5	Pass
					3.85	-1.802	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.402	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.316	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				40	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-3.133	-0.0044	-2.5 to 2.5	Pass
					3.85	-1.760	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.431	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.559	-0.0022	-2.5 to 2.5	Pass
					3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.486	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.744	-0.0010	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-0.315	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.472	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.329	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.458	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-0.858	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass



				10	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.501	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
					4.43	0.472	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.186	0.0003	-2.5 to 2.5	Pass

2.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	704	50	0	20	3.27	-0.887	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.758	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.944	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-0.815	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0008	-2.5 to 2.5	Pass
				50	3.85	0.229	0.0003	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-0.386	-0.0005	-2.5 to 2.5	Pass
					3.85	0.300	0.0004	-2.5 to 2.5	Pass
					4.43	-0.486	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.730	0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-1.431	-0.0020	-2.5 to 2.5	Pass
					3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.472	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.144	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
16QAM	704	27	0	20	3.27	-0.472	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.715	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass



				-20	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
	707.5	27	0	20	3.27	0.315	0.0004	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
					4.43	-3.505	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.061	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-1.502	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-1.130	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-1.359	-0.0019	-2.5 to 2.5	Pass
	711	27	23	20	3.27	-0.372	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.300	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.173	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	6	0	Refer To Test Graph		Pass
16QAM	707.5	6	0	Refer To Test Graph		Pass

3.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	15	0	Refer To Test Graph		Pass
16QAM	707.5	15	0	Refer To Test Graph		Pass

3.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency	RB Allocation		Modulation Characteristics		Verdict



	(MHz)	Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

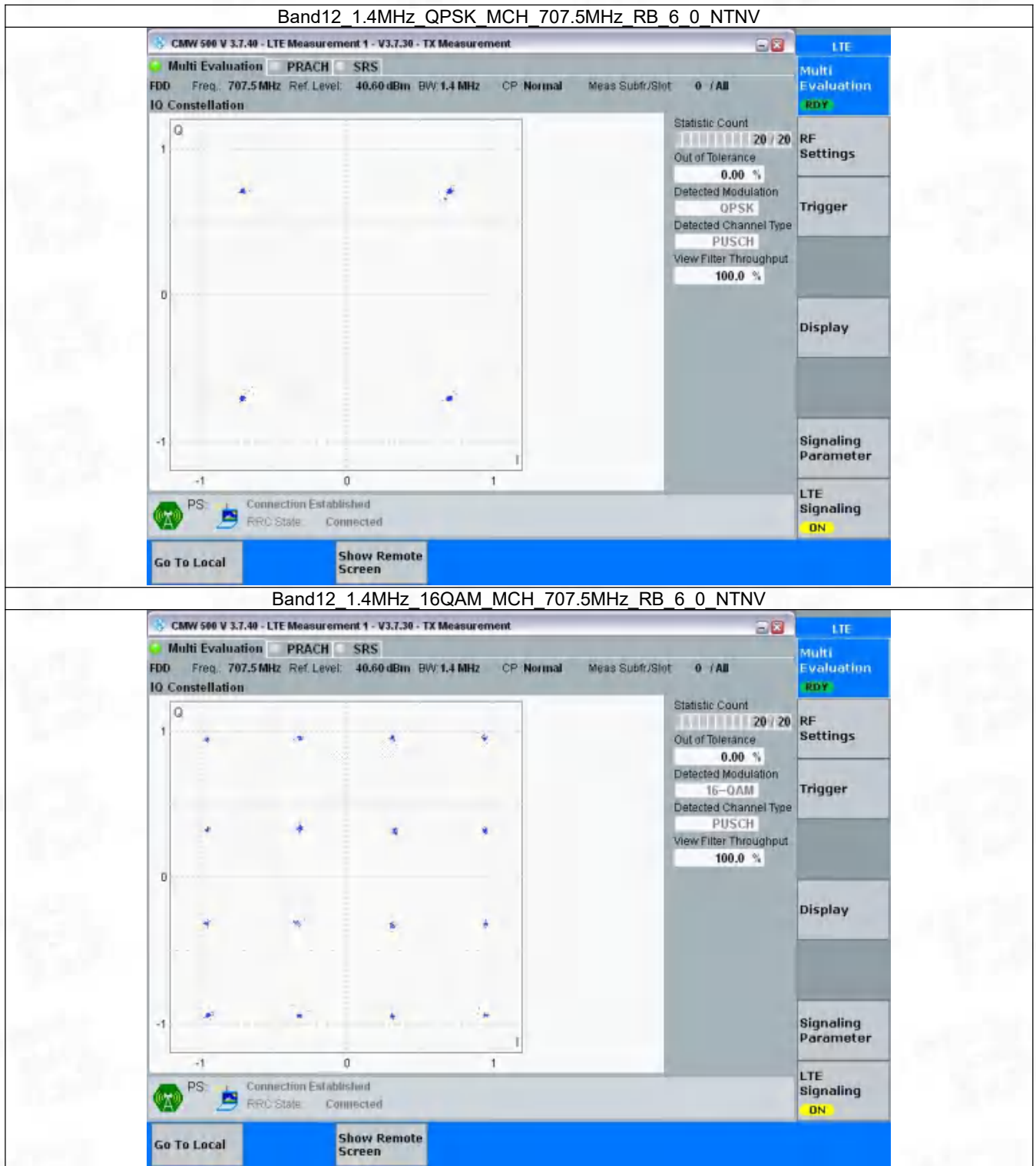
3.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	27	0	Refer To Test Graph		Pass



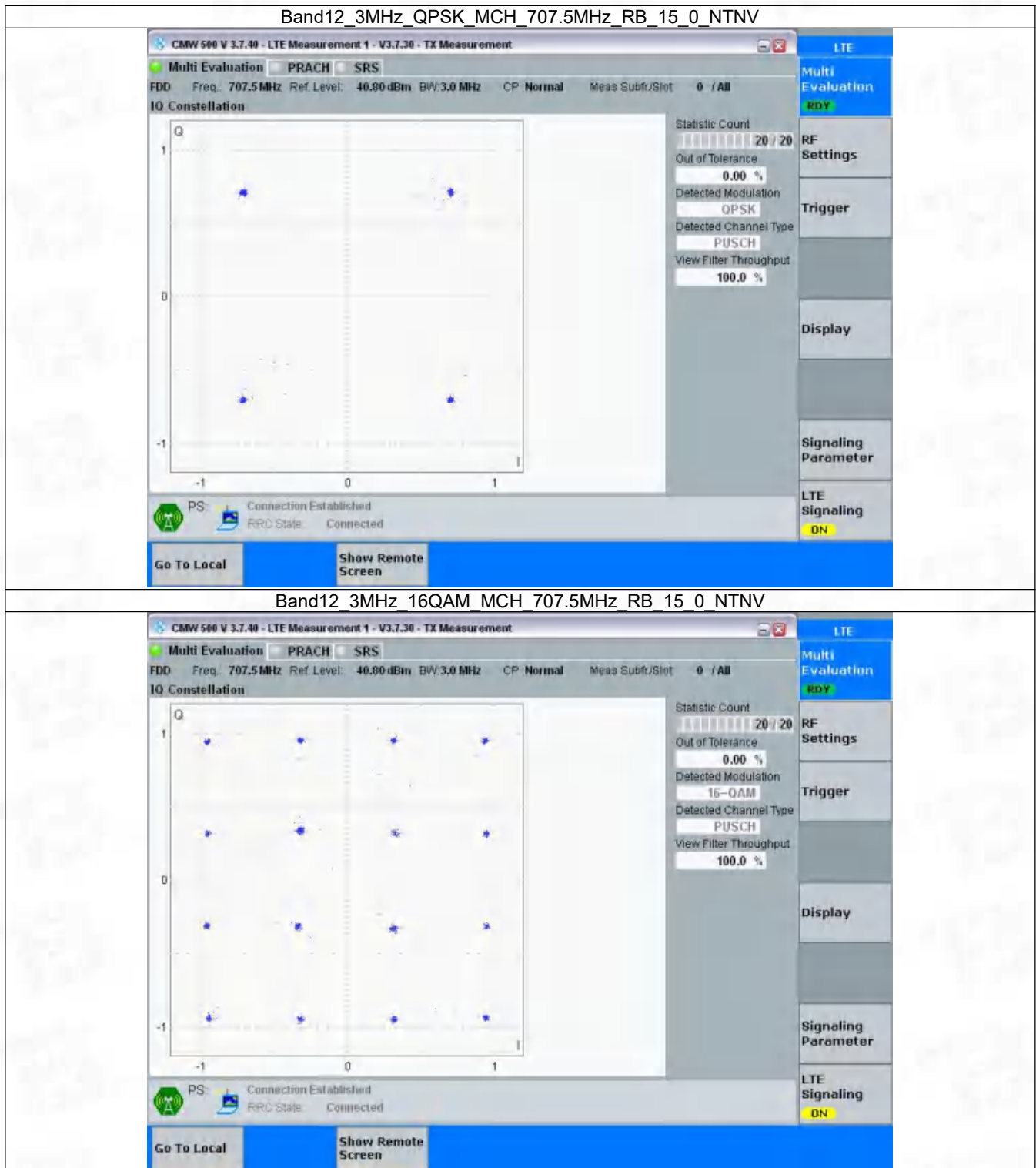
3.2 Test Graph

3.2.1 B12_1.4MHz



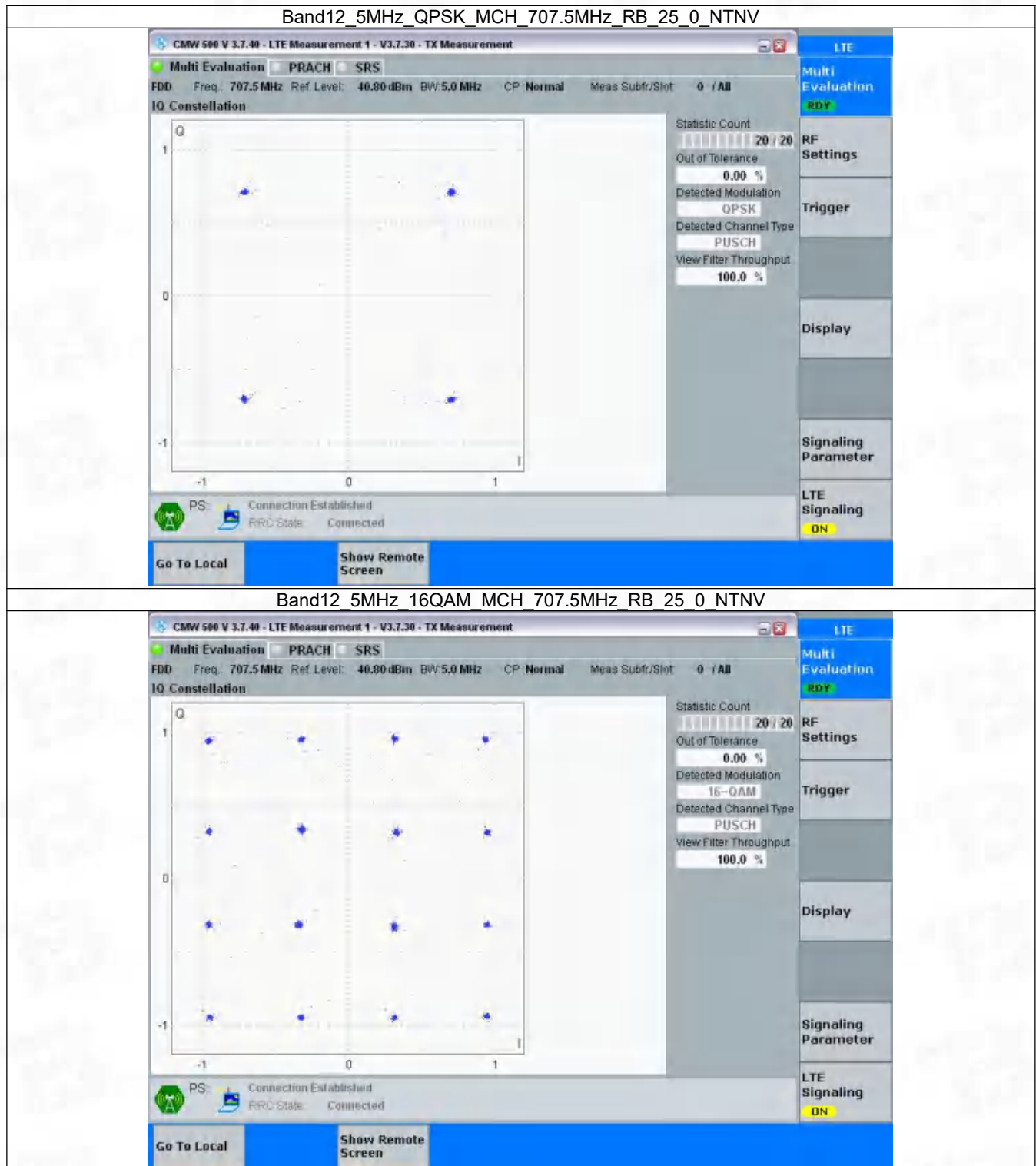


3.2.2 B12_3MHz



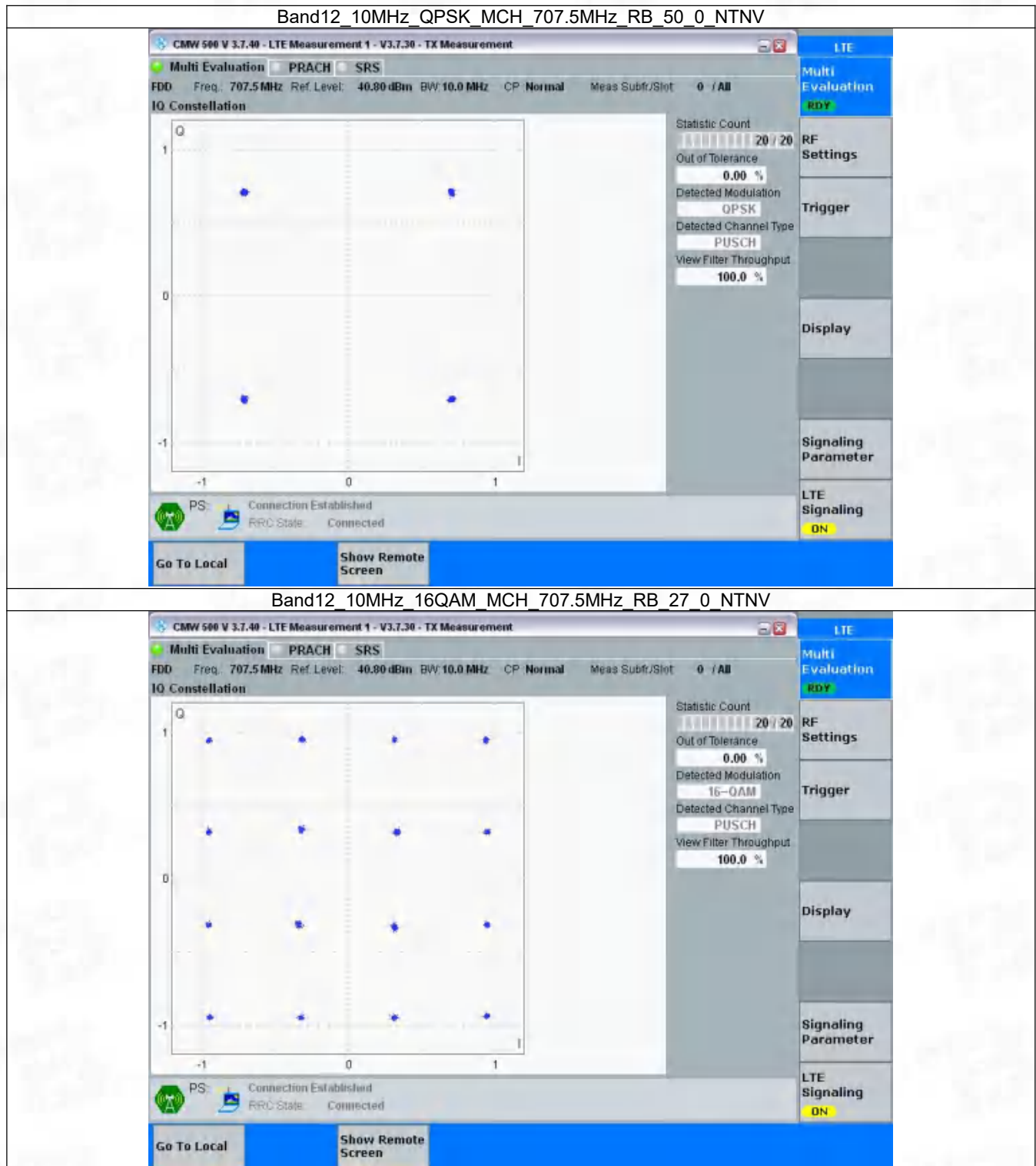


3.2.3 B12_5MHz





3.2.4 B12_10MHz





4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band12_OBW

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.111	/	Pass
		707.5	6	0	1.109	/	Pass
		715.3	6	0	1.114	/	Pass
	16QAM	699.7	6	0	1.111	/	Pass
		707.5	6	0	1.110	/	Pass
		715.3	6	0	1.114	/	Pass
3	QPSK	700.5	15	0	2.732	/	Pass
		707.5	15	0	2.730	/	Pass
		714.5	15	0	2.753	/	Pass
	16QAM	700.5	15	0	2.735	/	Pass
		707.5	15	0	2.730	/	Pass
		714.5	15	0	2.740	/	Pass
5	QPSK	701.5	25	0	4.571	/	Pass
		707.5	25	0	4.533	/	Pass
		713.5	25	0	4.552	/	Pass
	16QAM	701.5	25	0	4.543	/	Pass
		707.5	25	0	4.538	/	Pass
		713.5	25	0	4.555	/	Pass
10	QPSK	704	50	0	9.075	/	Pass
		707.5	50	0	9.039	/	Pass
		711	50	0	9.102	/	Pass
	16QAM	704	27	0	5.147	/	Pass
		707.5	27	0	5.117	/	Pass
		711	27	23	5.150	/	Pass

4.1.2 Band12_XDB

Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.326	/	Pass
		707.5	6	0	1.328	/	Pass
		715.3	6	0	1.321	/	Pass
	16QAM	699.7	6	0	1.327	/	Pass
		707.5	6	0	1.335	/	Pass
		715.3	6	0	1.329	/	Pass
3	QPSK	700.5	15	0	3.048	/	Pass
		707.5	15	0	3.054	/	Pass
		714.5	15	0	3.050	/	Pass
	16QAM	700.5	15	0	3.054	/	Pass
		707.5	15	0	3.036	/	Pass
		714.5	15	0	3.043	/	Pass
5	QPSK	701.5	25	0	5.120	/	Pass
		707.5	25	0	5.043	/	Pass
		713.5	25	0	5.114	/	Pass
	16QAM	701.5	25	0	5.123	/	Pass

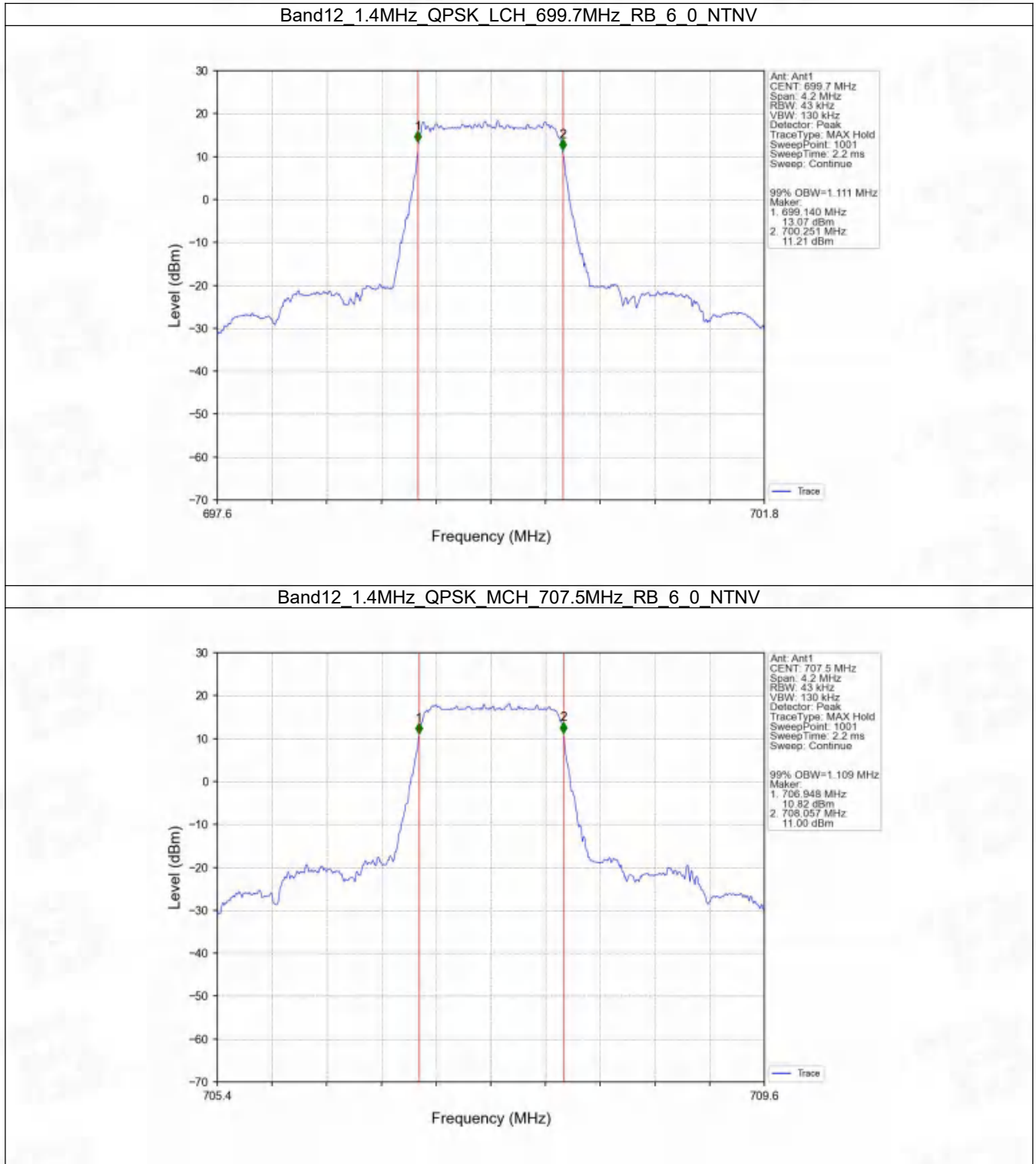


10		707.5	25	0	5.118	/	Pass
		713.5	25	0	5.165	/	Pass
	QPSK	704	50	0	10.337	/	Pass
		707.5	50	0	10.286	/	Pass
		711	50	0	10.314	/	Pass
	16QAM	704	27	0	6.399	/	Pass
		707.5	27	0	6.451	/	Pass
		711	27	23	6.501	/	Pass



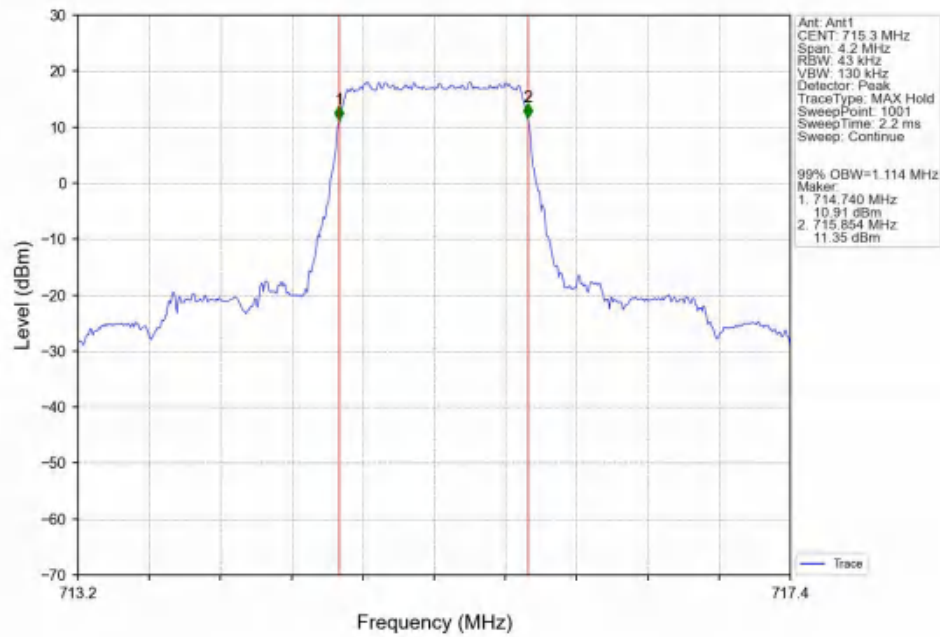
4.2 Test Graph

4.2.1 Band12_OBW

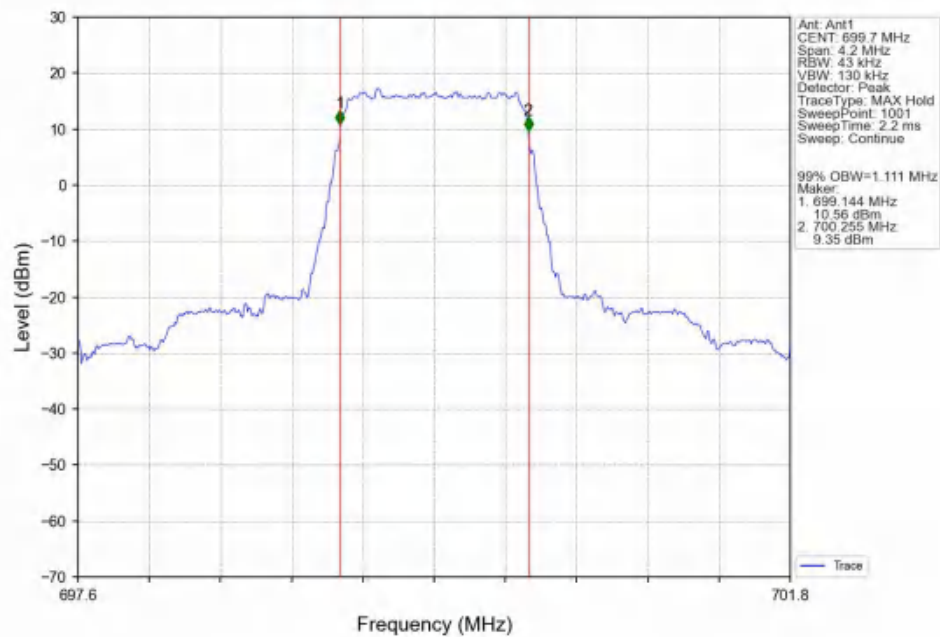




Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV

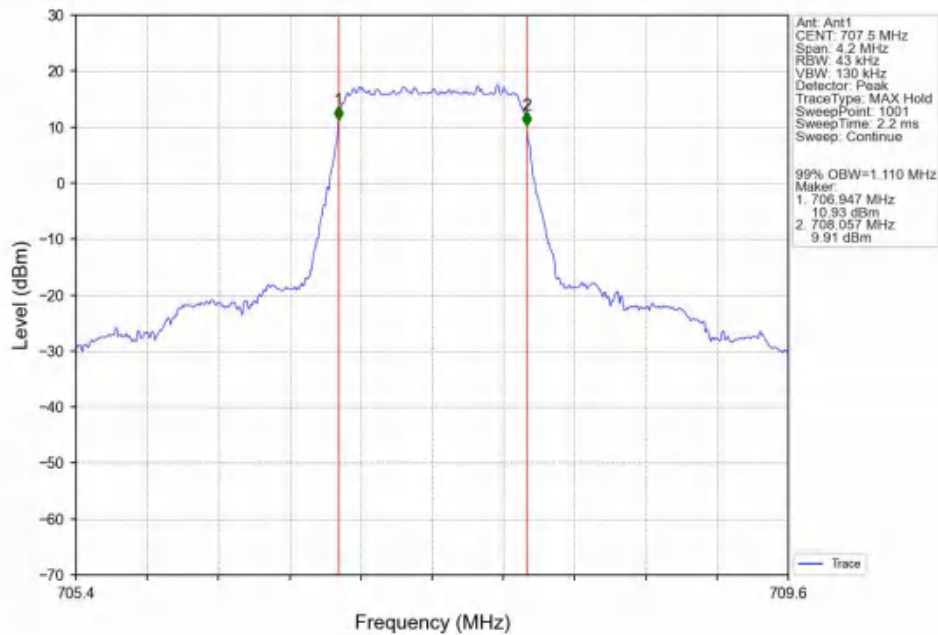


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

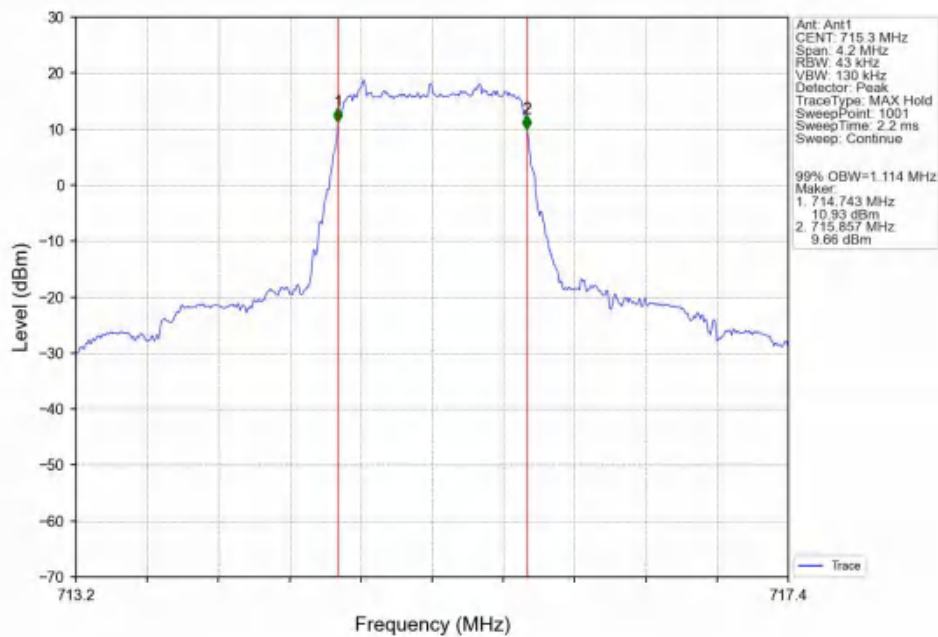




Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

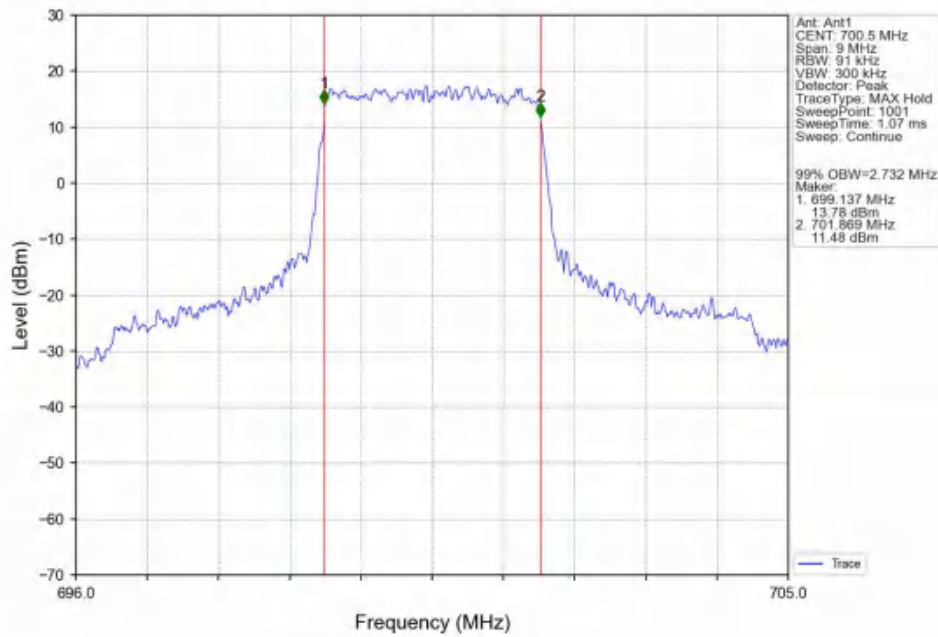


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

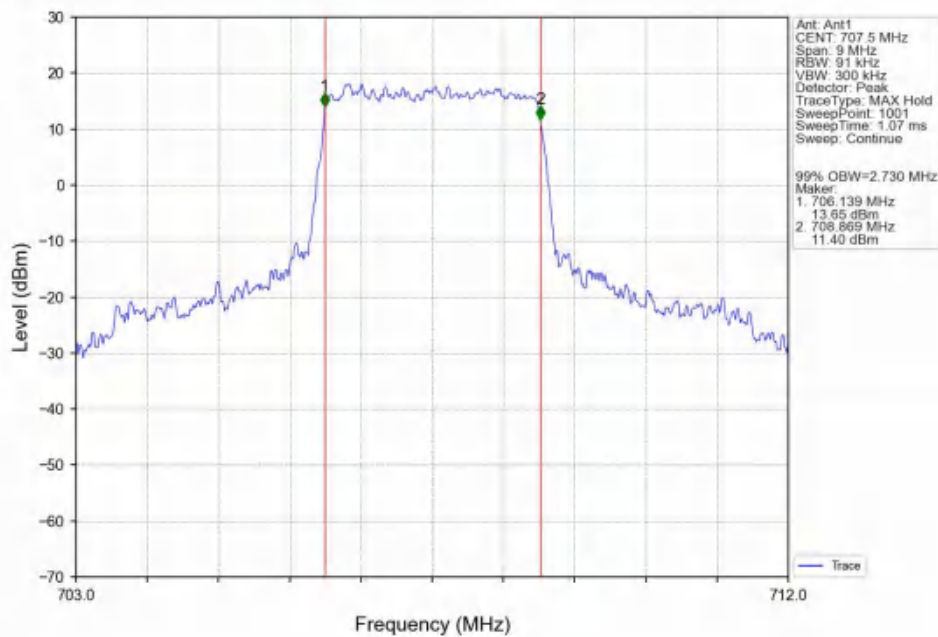




Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

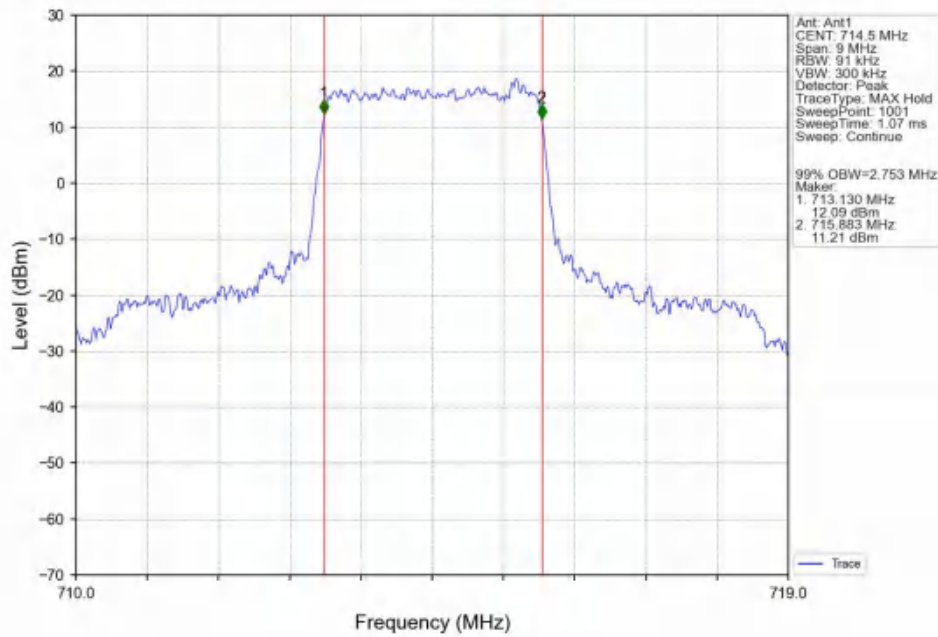


Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV

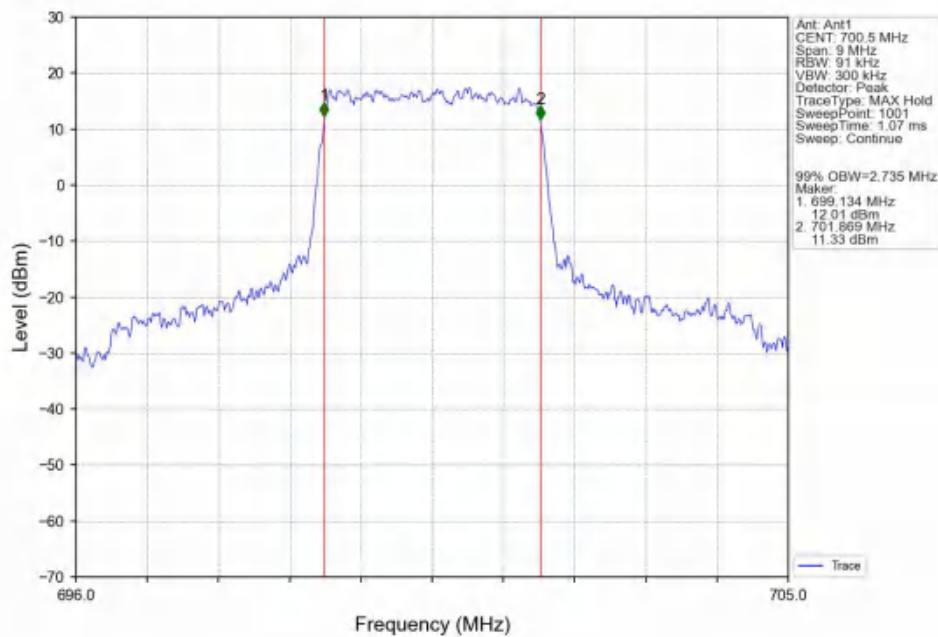




Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV

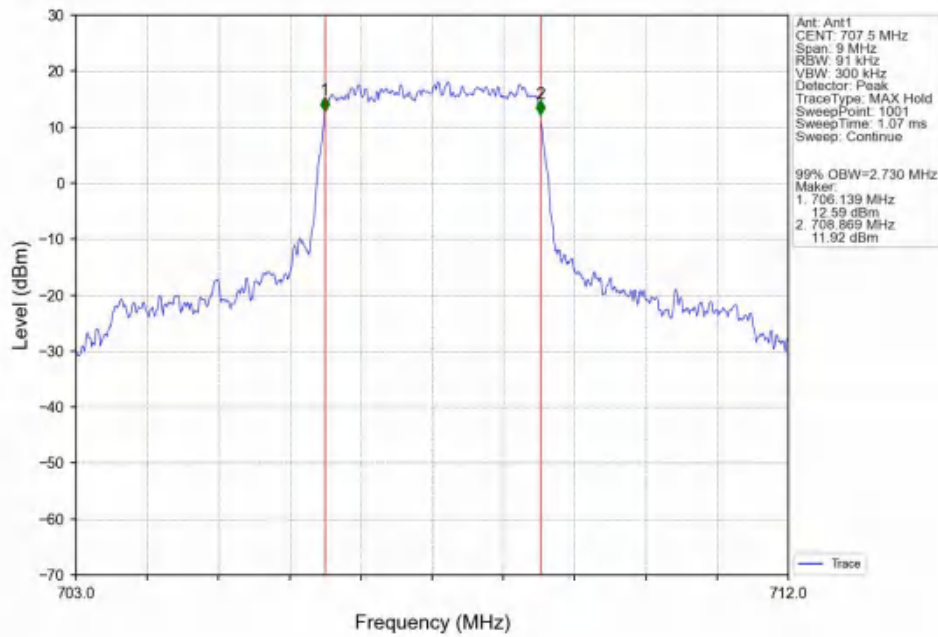


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

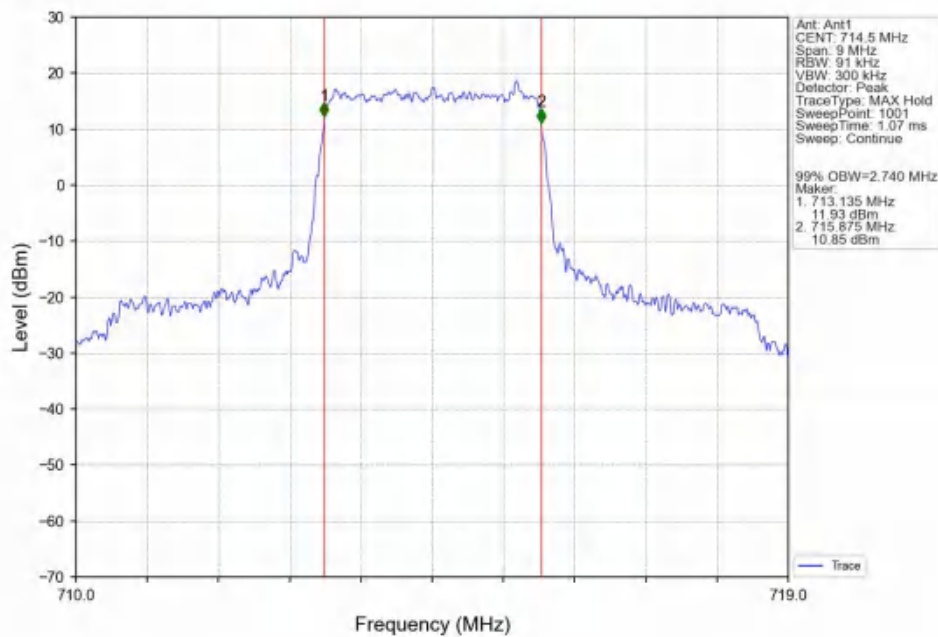




Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

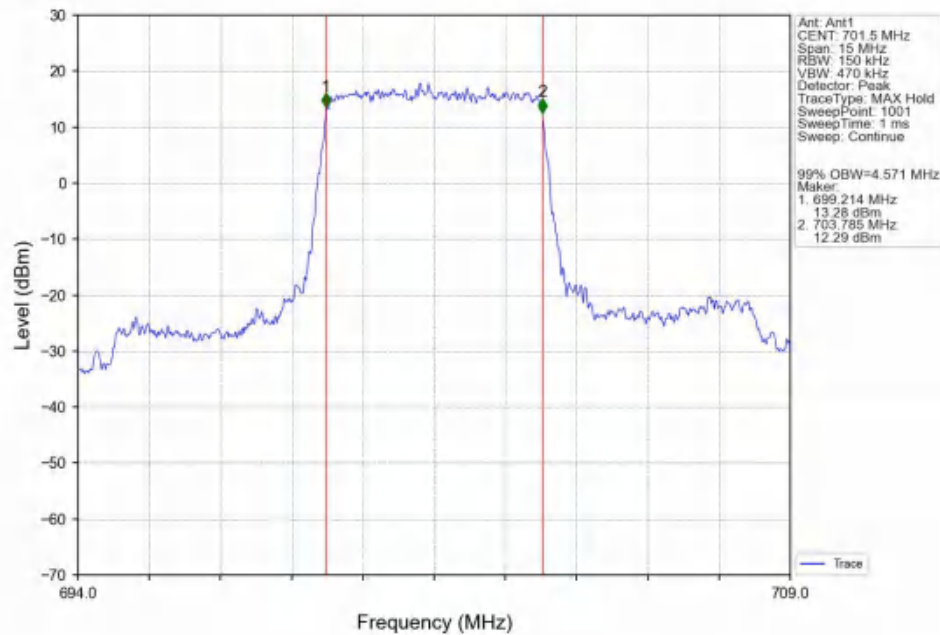


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

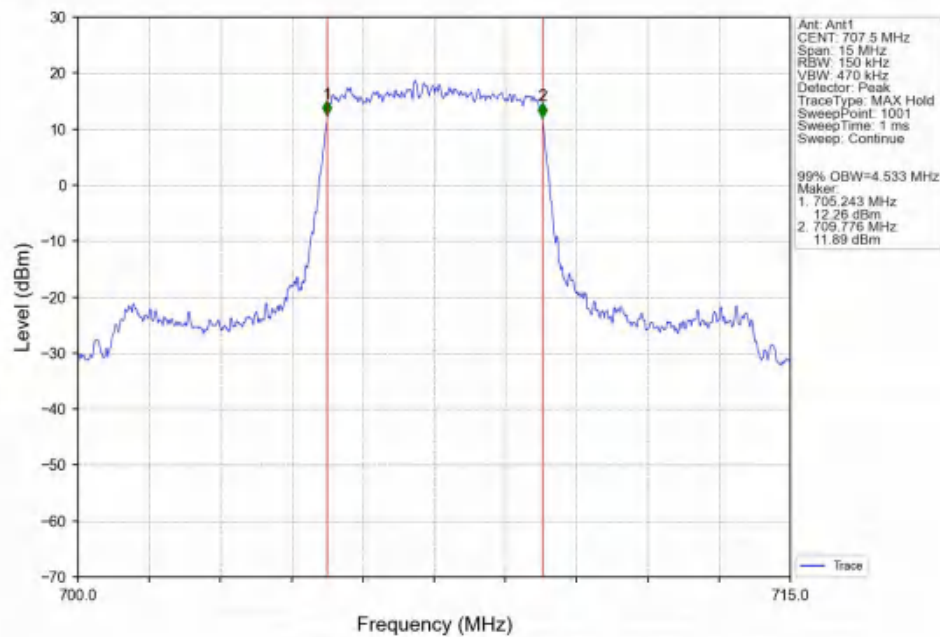




Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

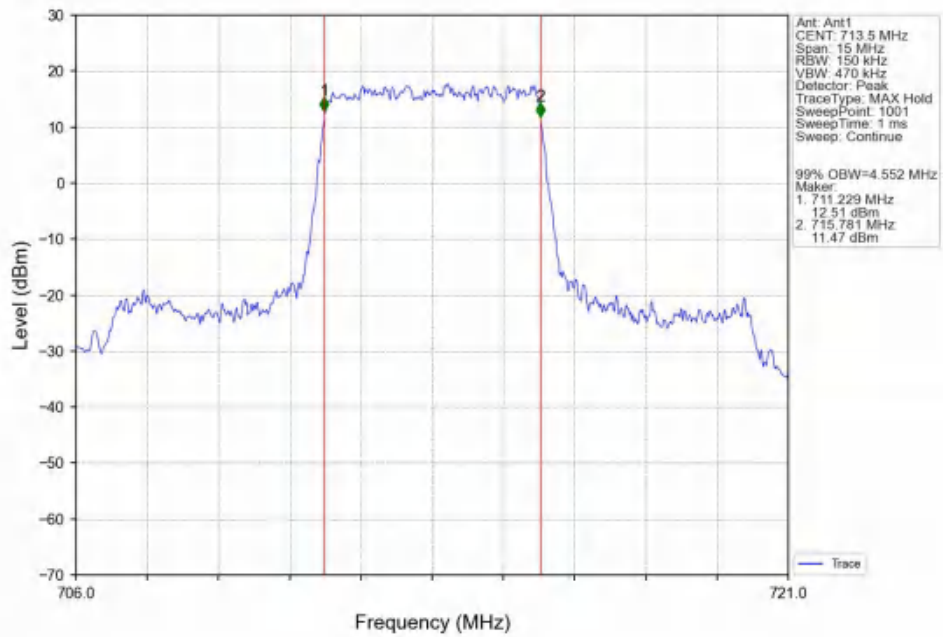


Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

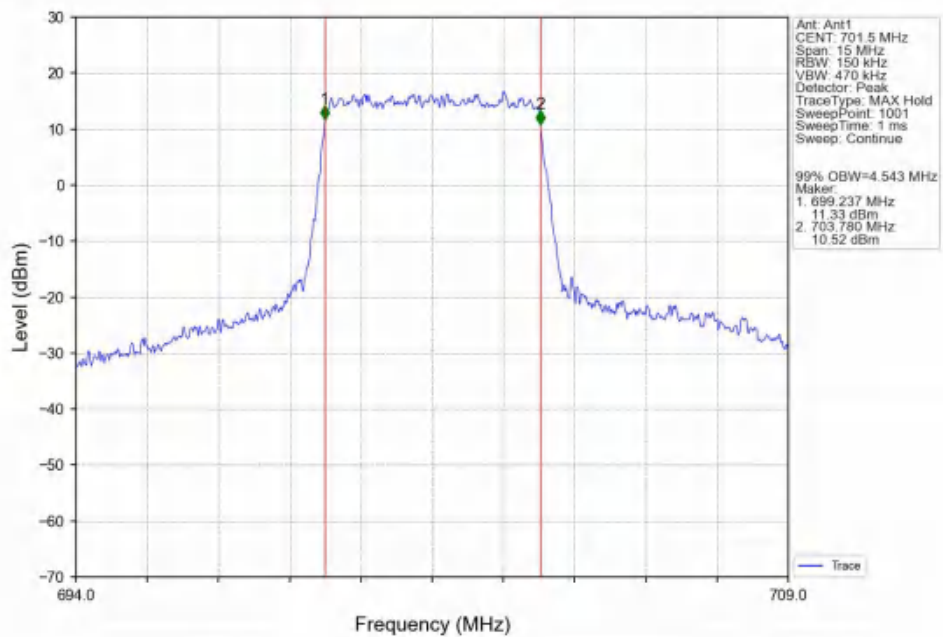




Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

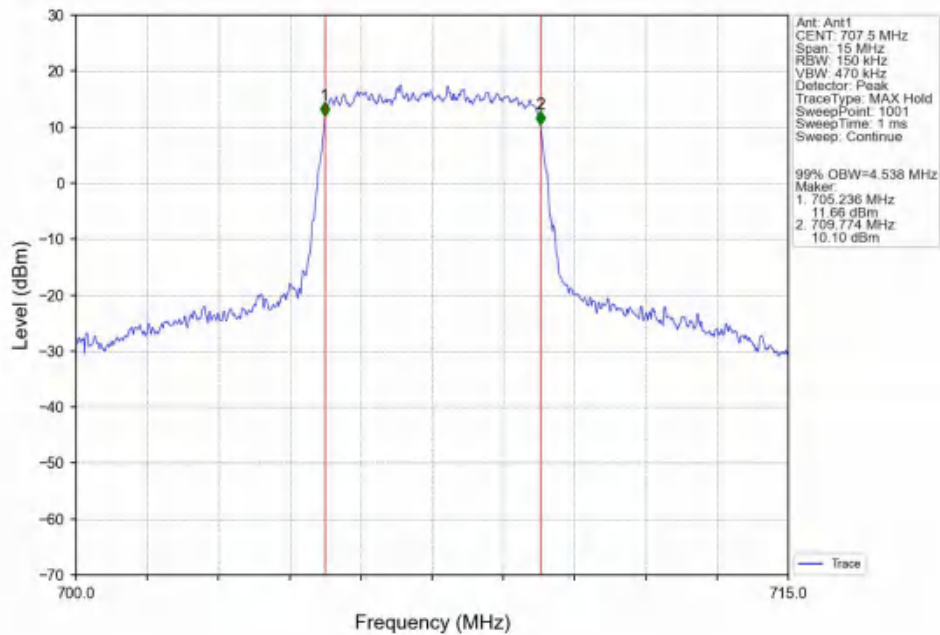


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

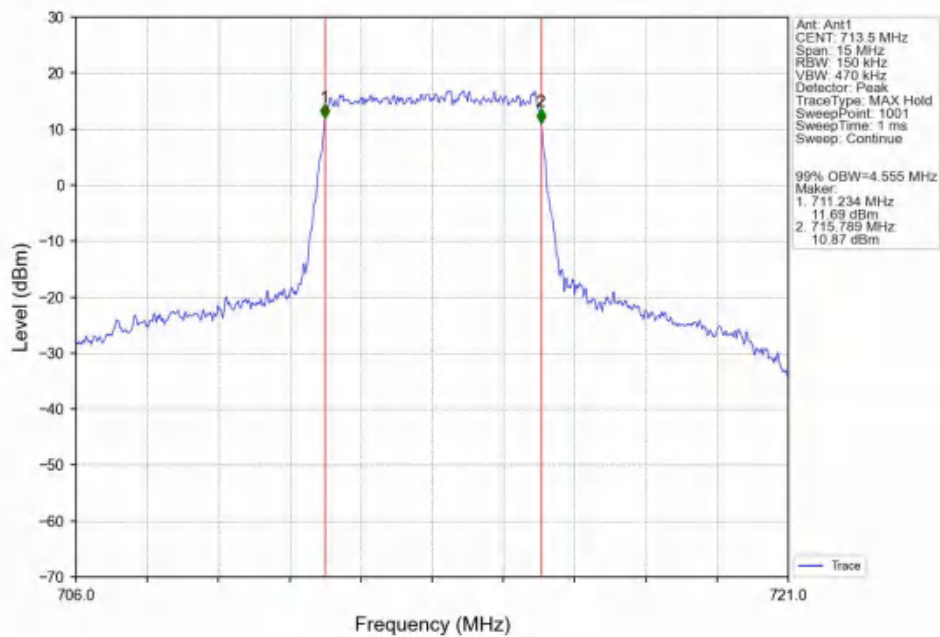




Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

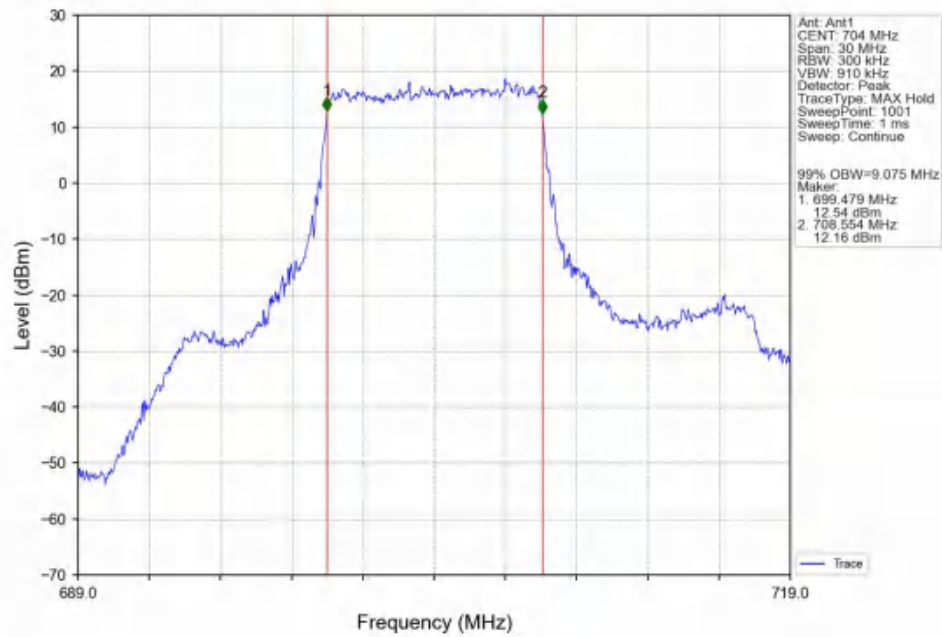


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

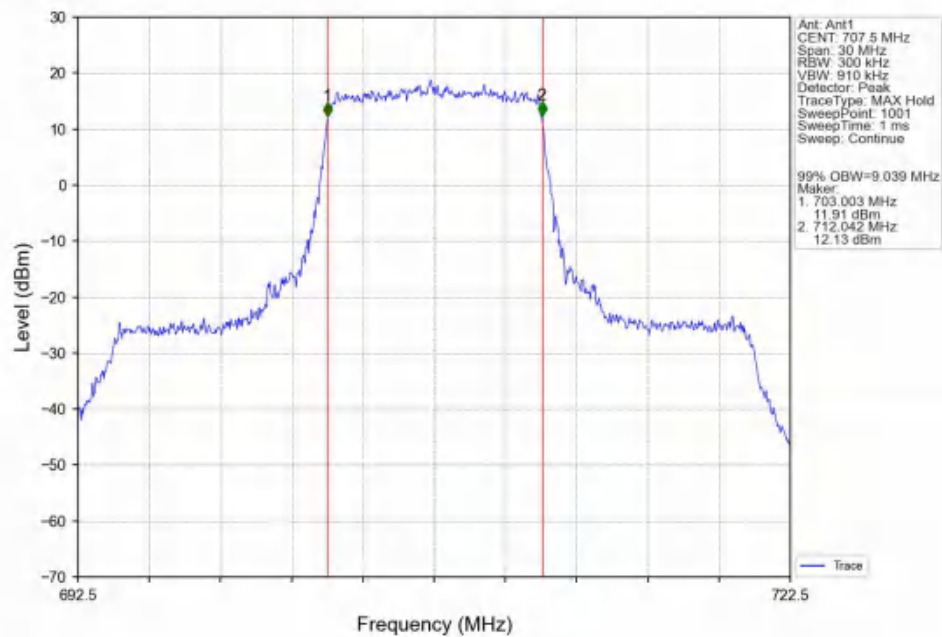




Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

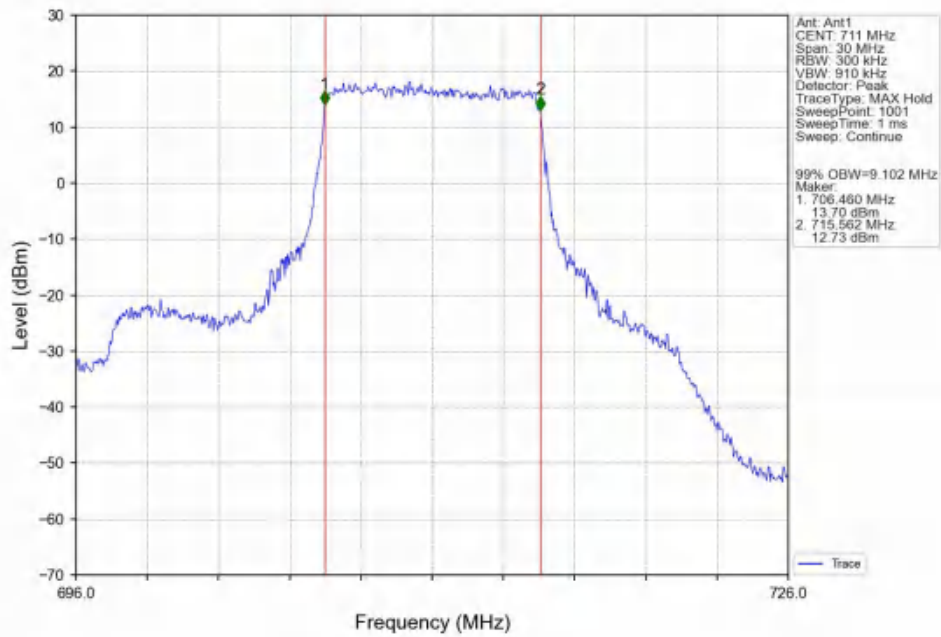


Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

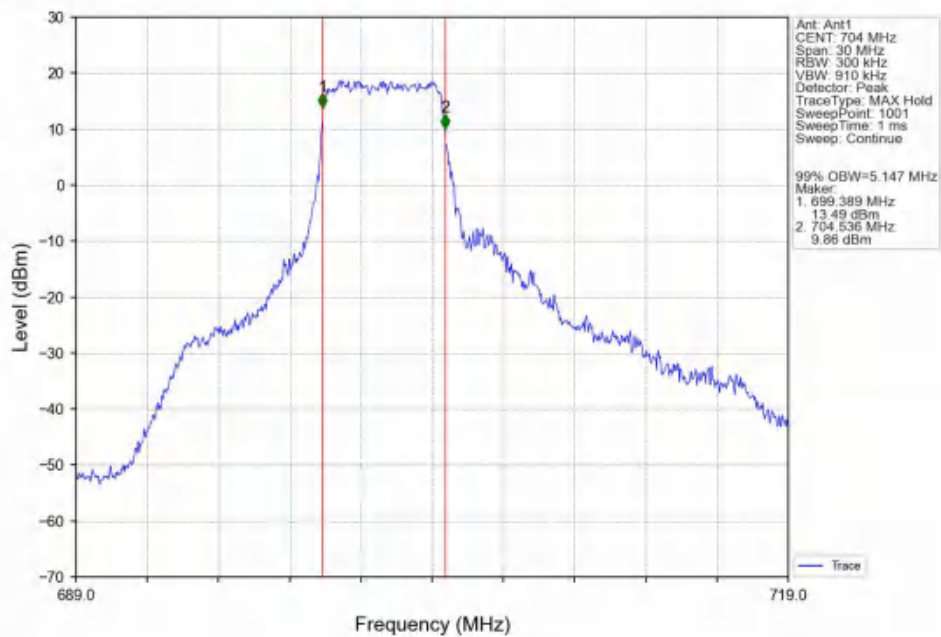




Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

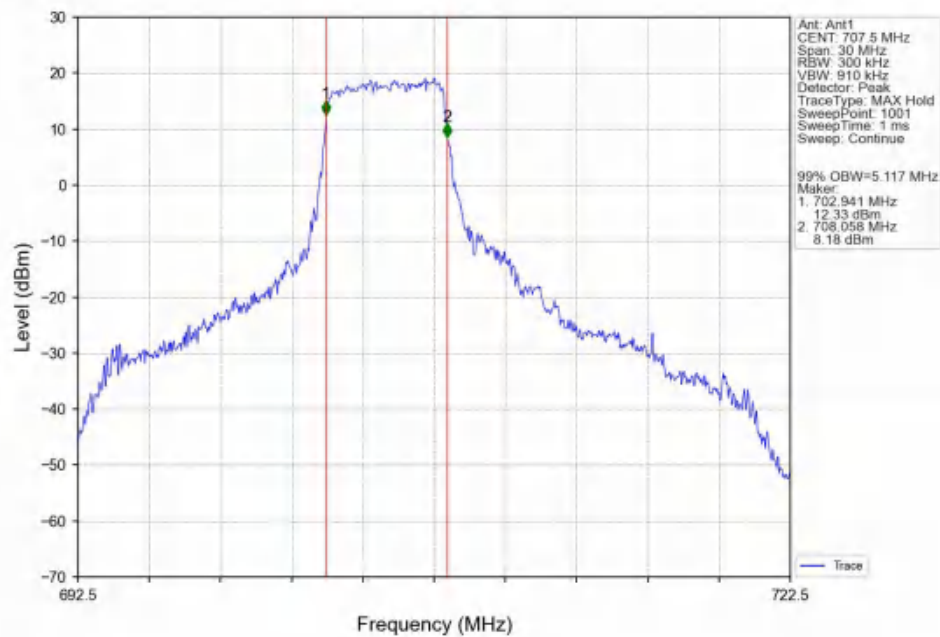


Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV

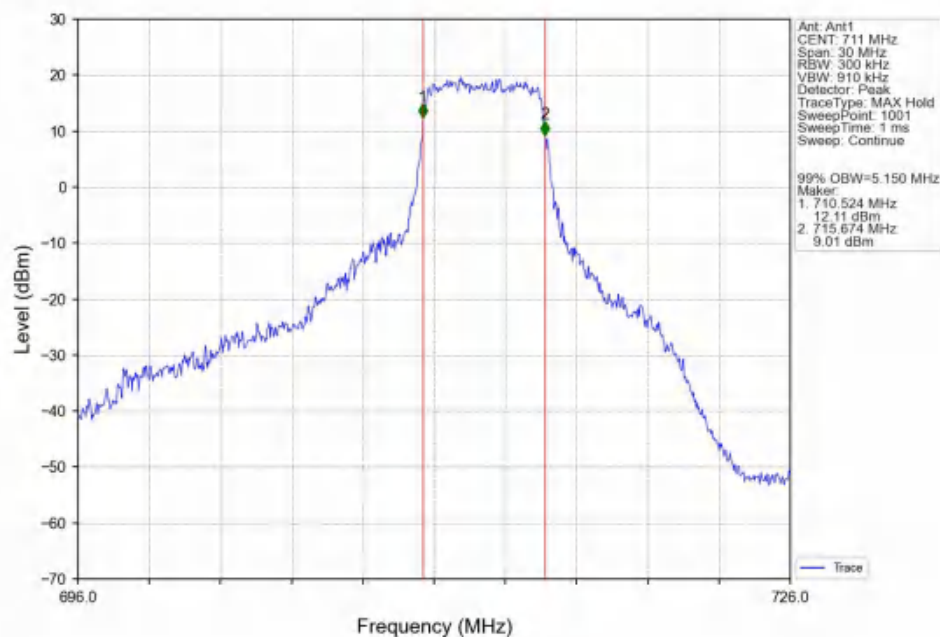




Band12_10MHz_16QAM_MCH_707.5MHz_RB_27_0_NTNV

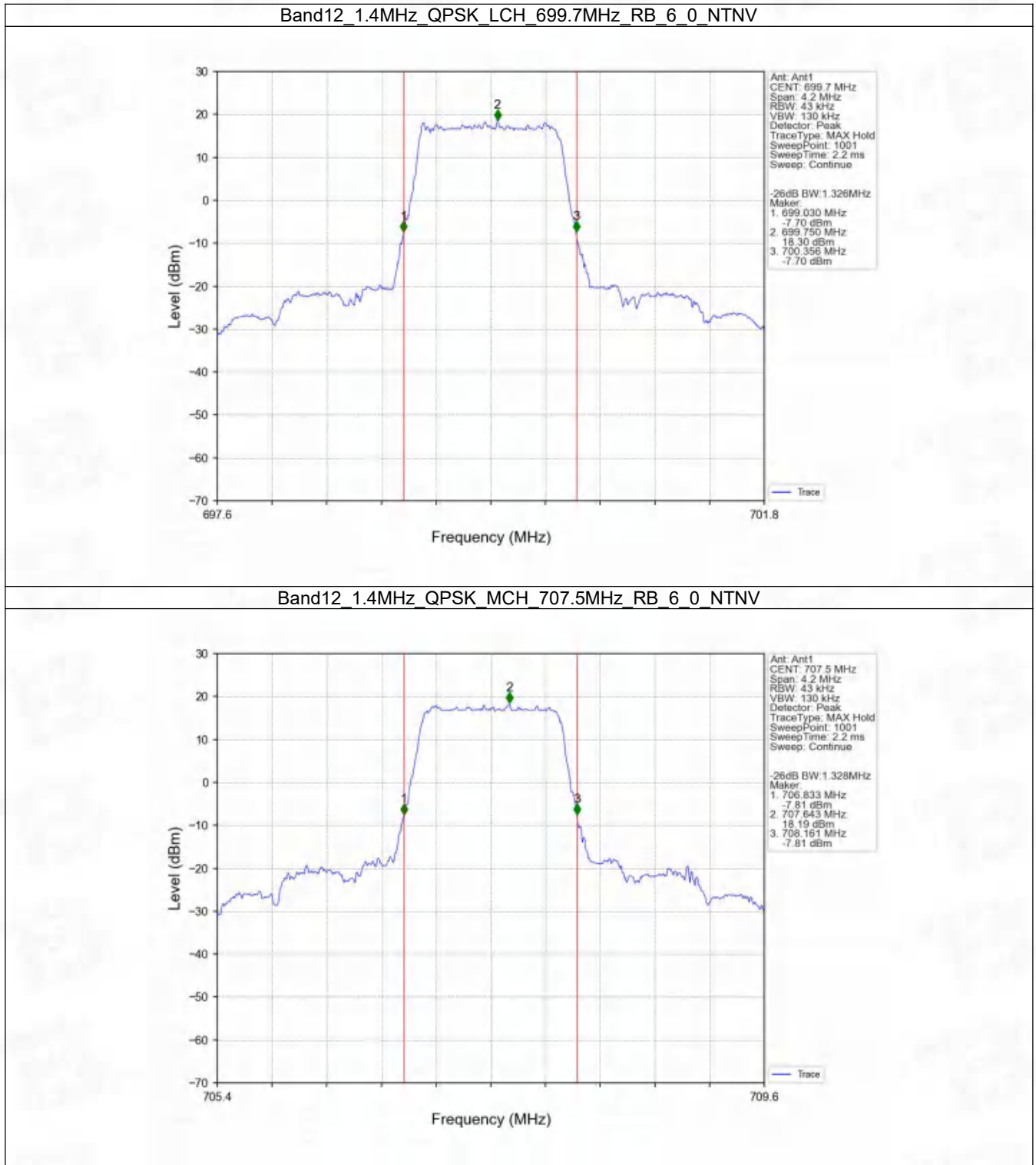


Band12_10MHz_16QAM_HCH_711MHz_RB_27_23_NTNV



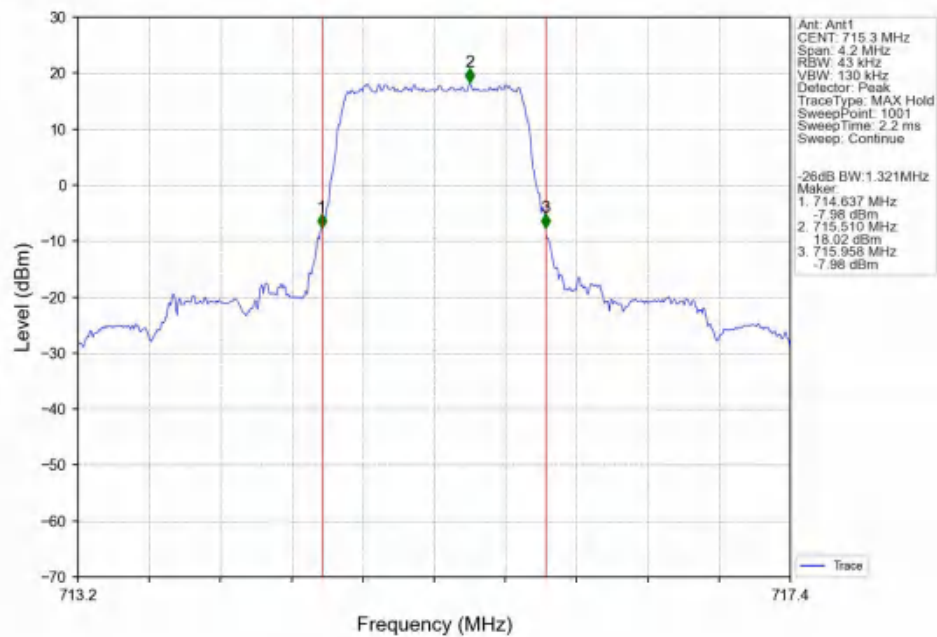


4.2.2 Band12_XDB

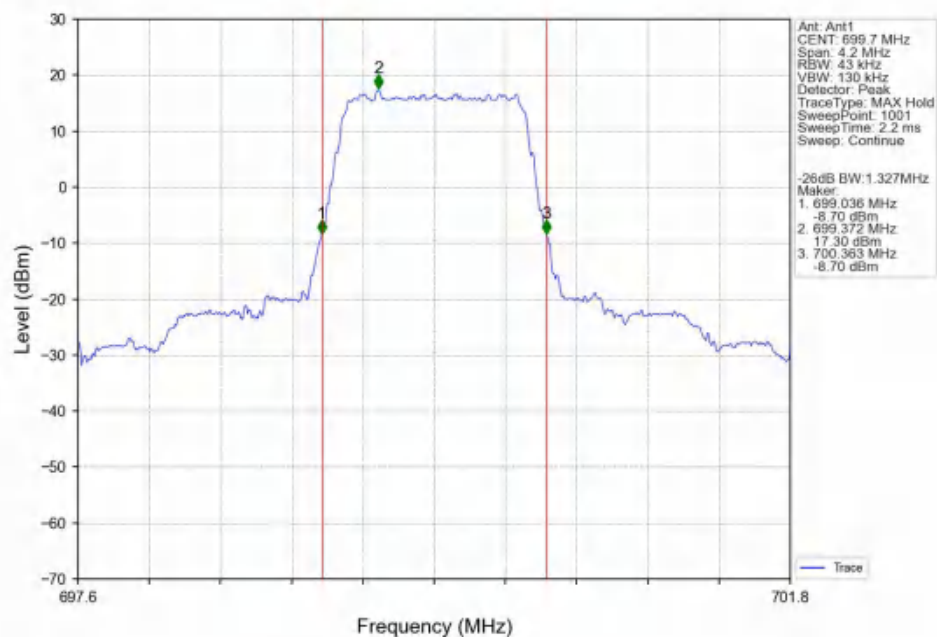




Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV

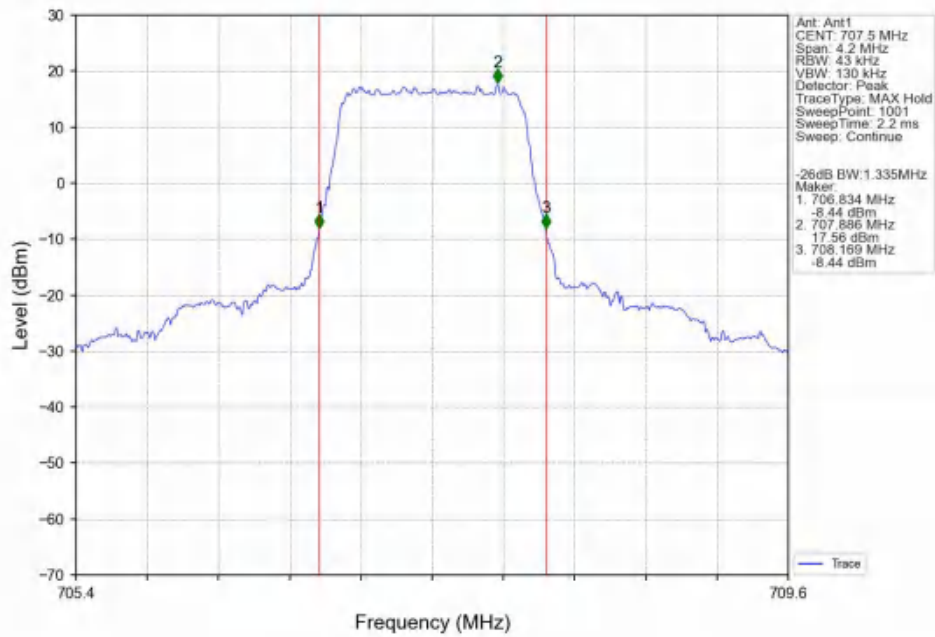


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

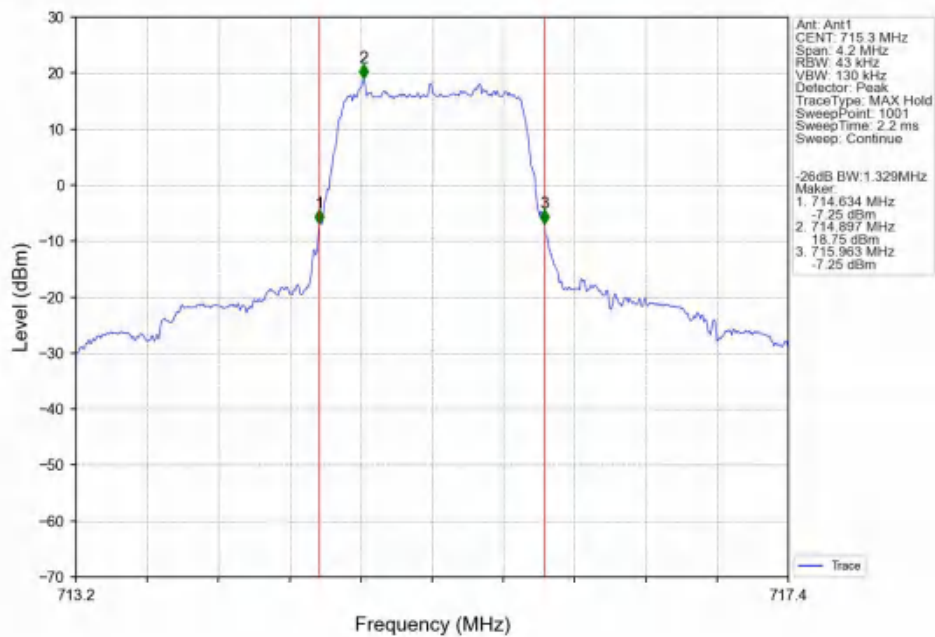




Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

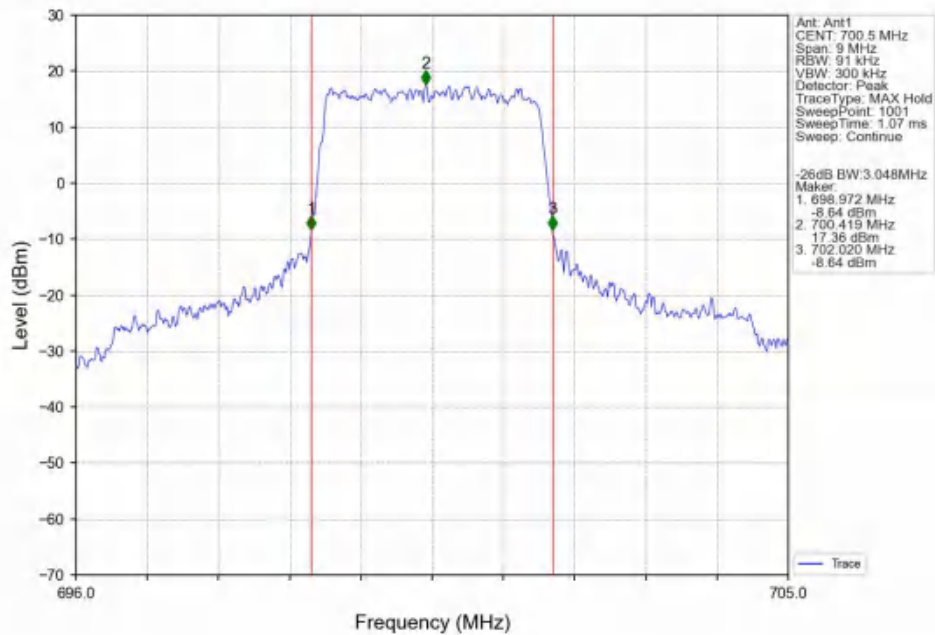


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV

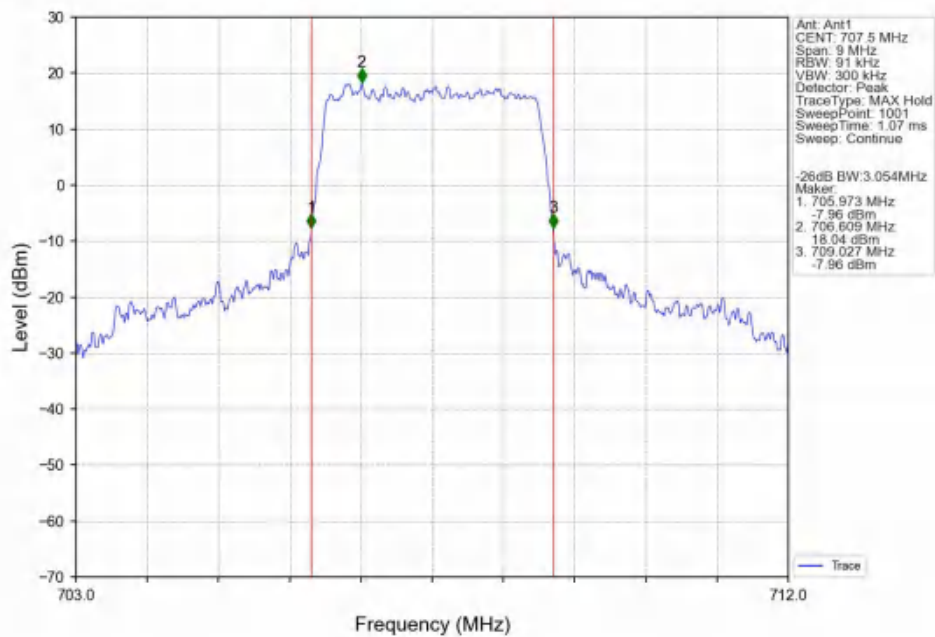




Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

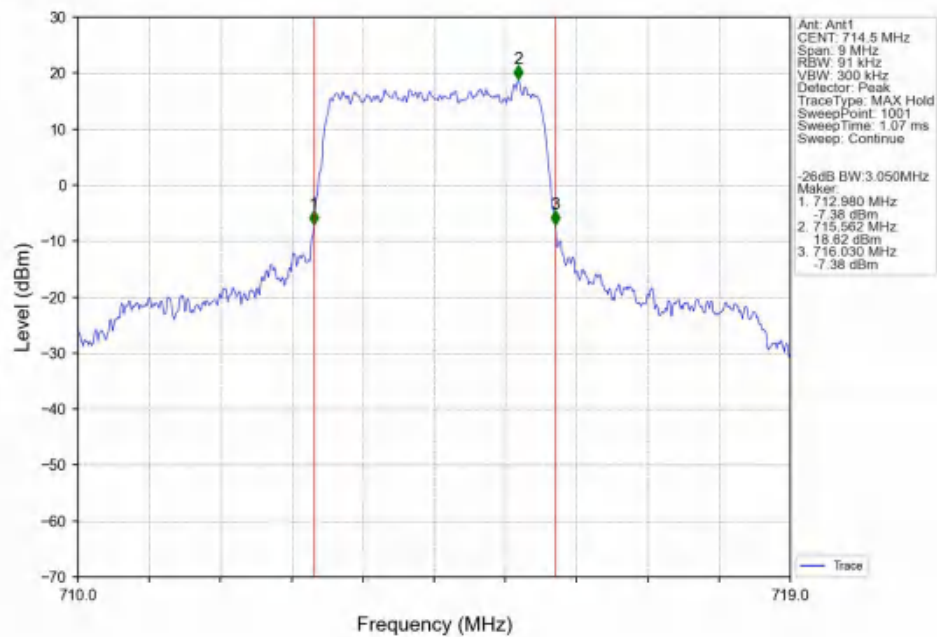


Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV

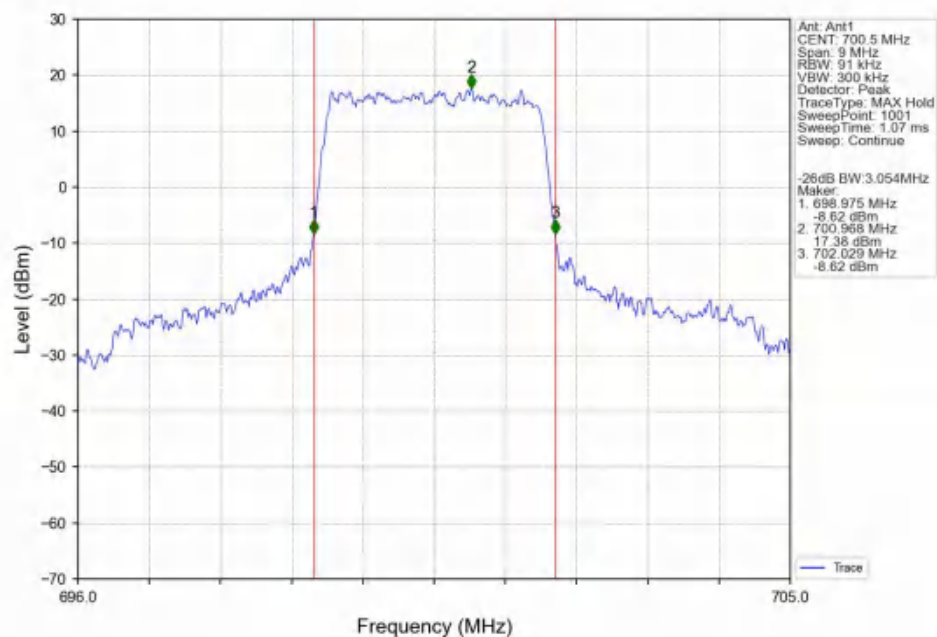




Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV

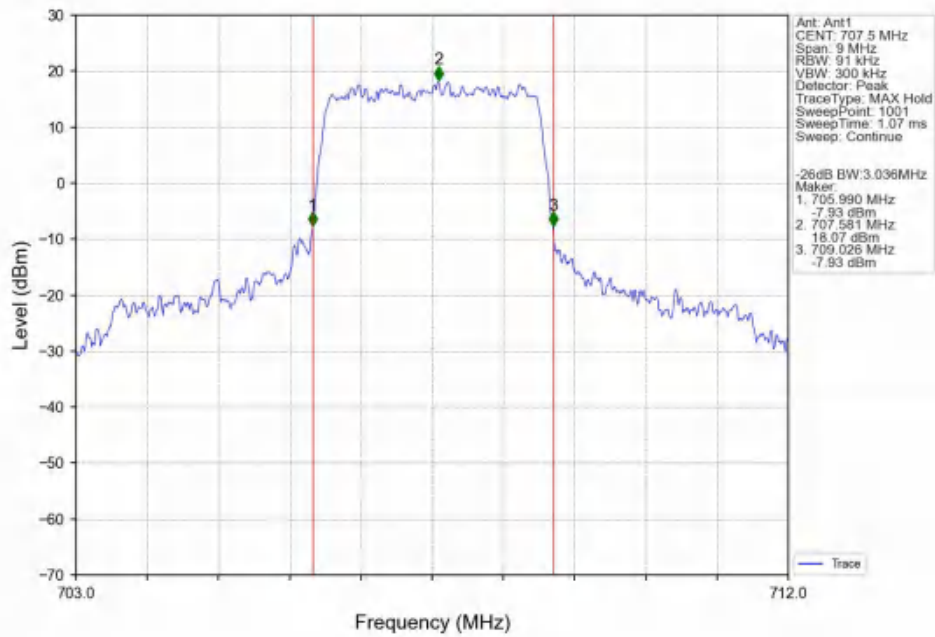


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

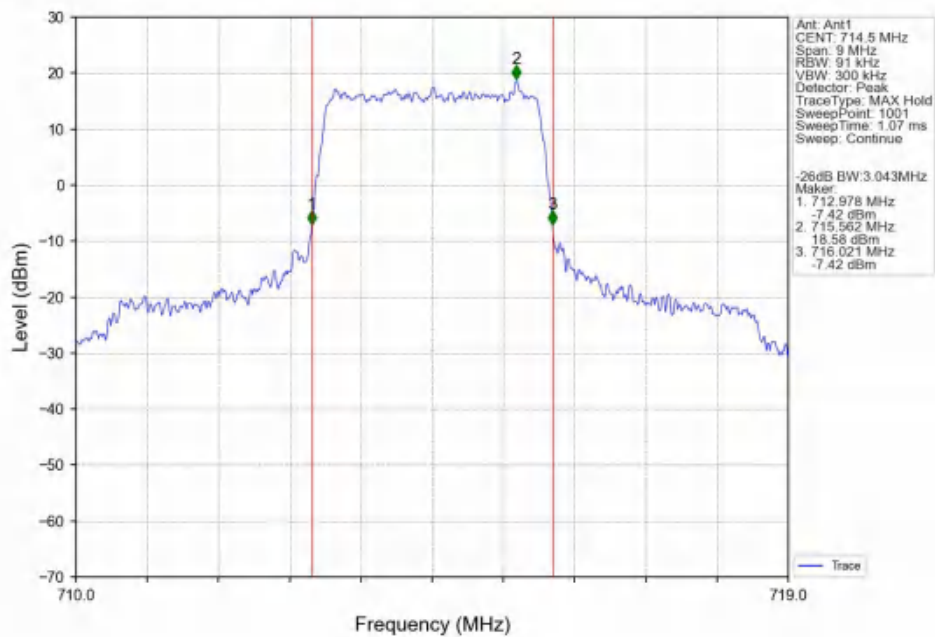




Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

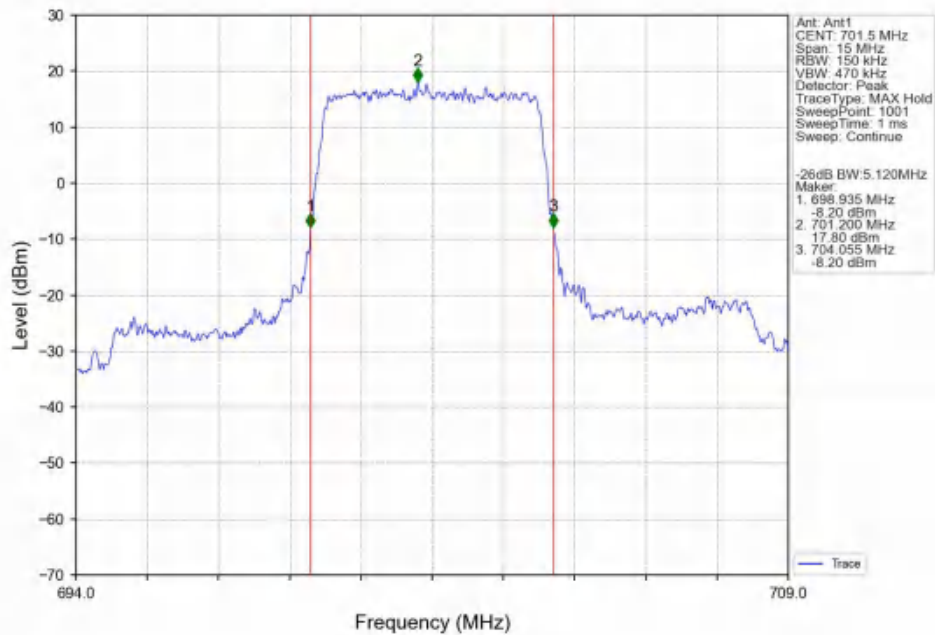


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

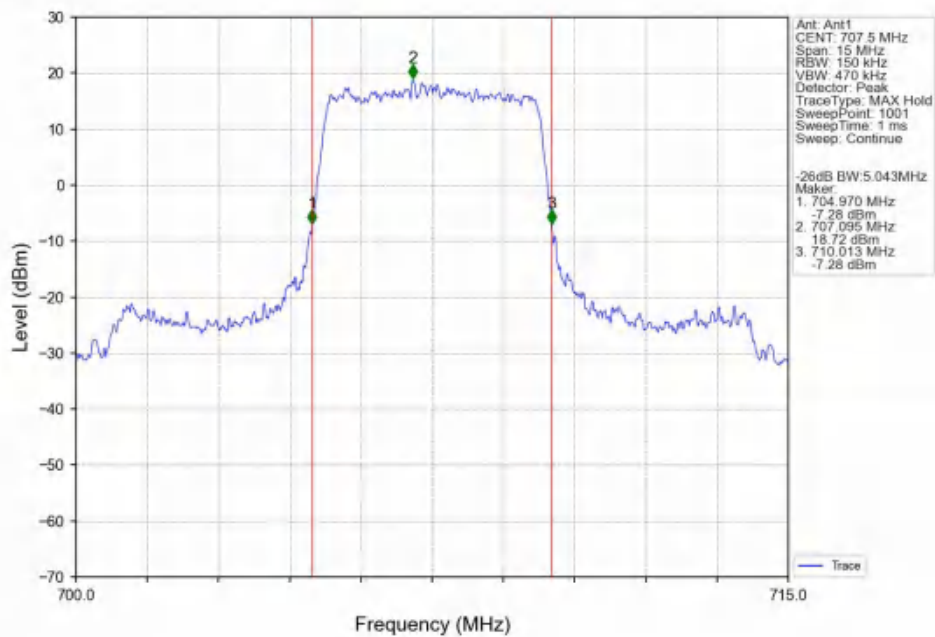




Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV

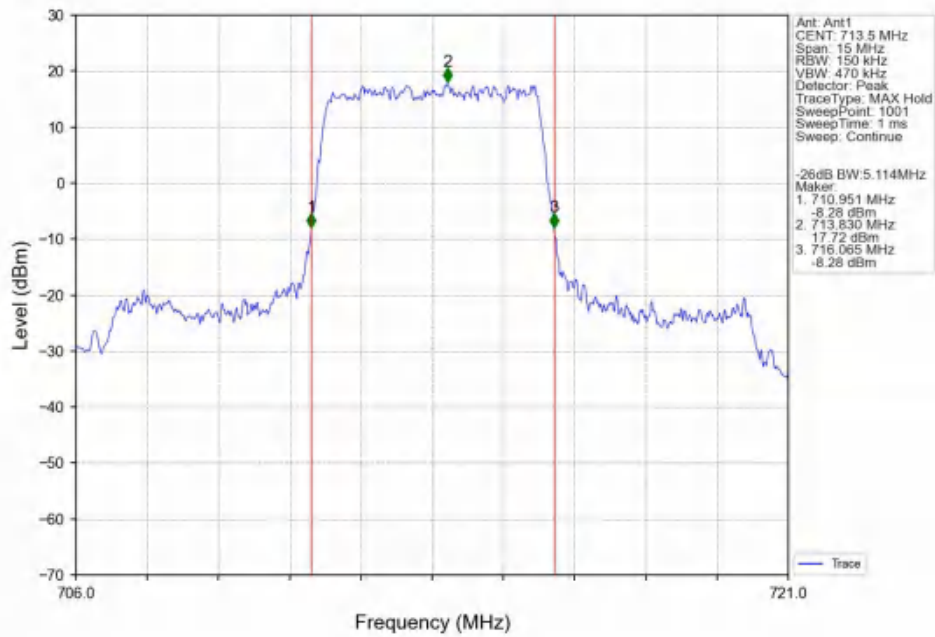


Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

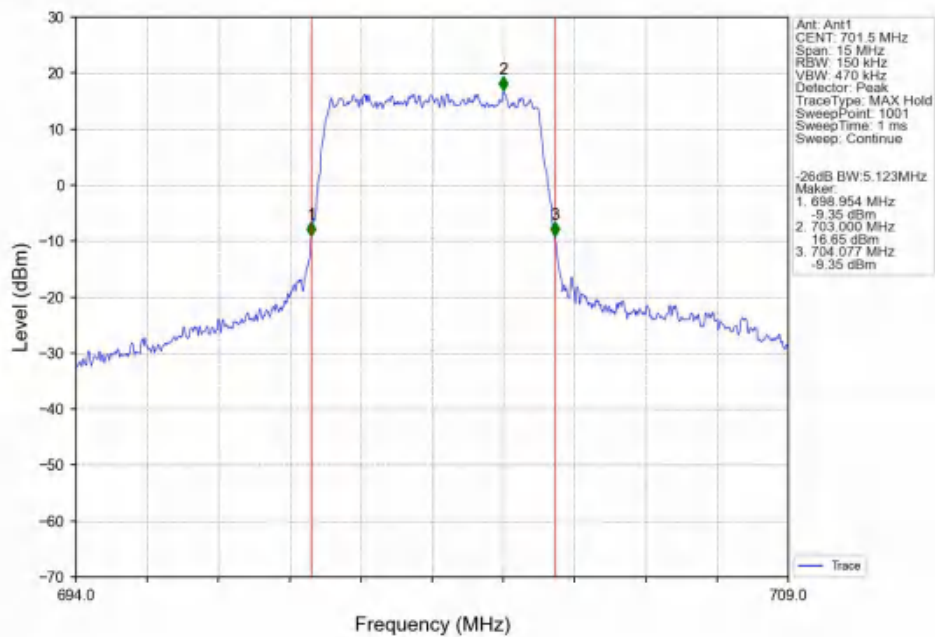




Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

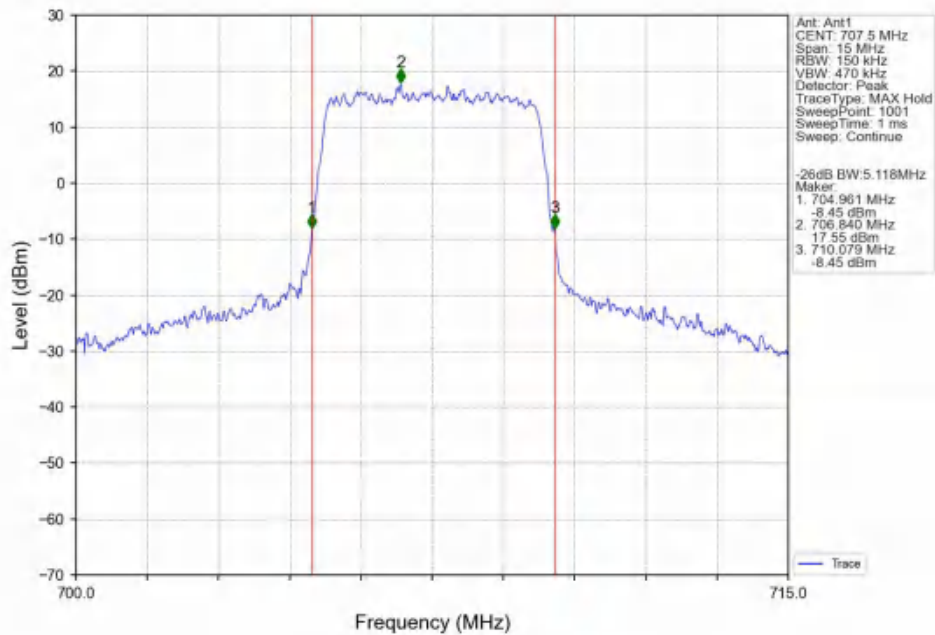


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

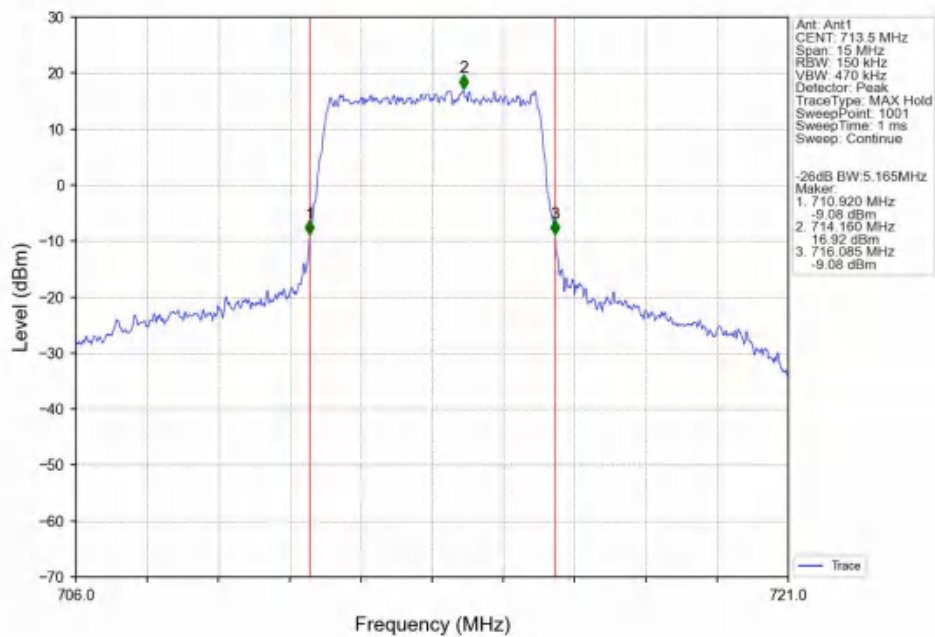




Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

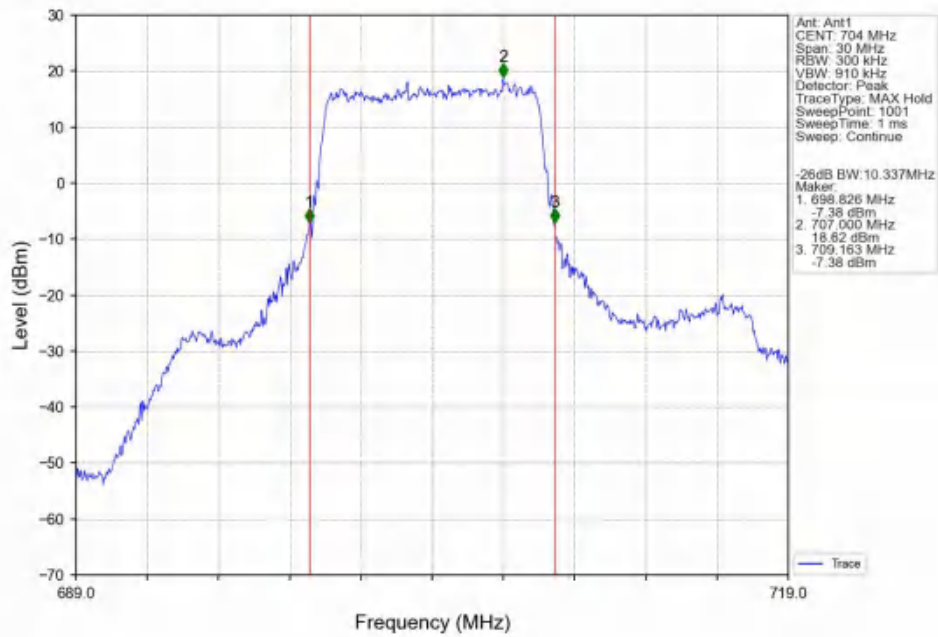


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

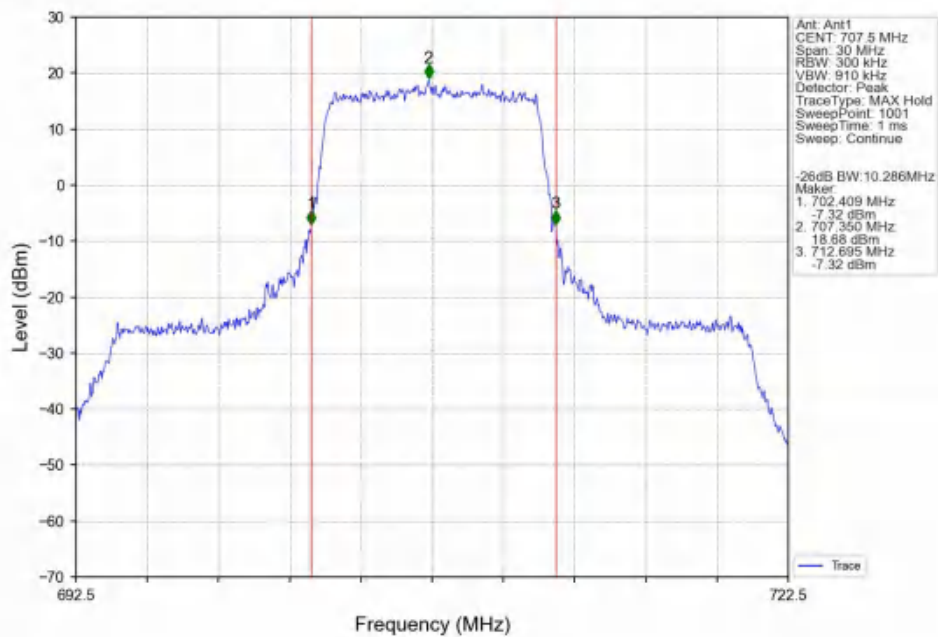




Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV

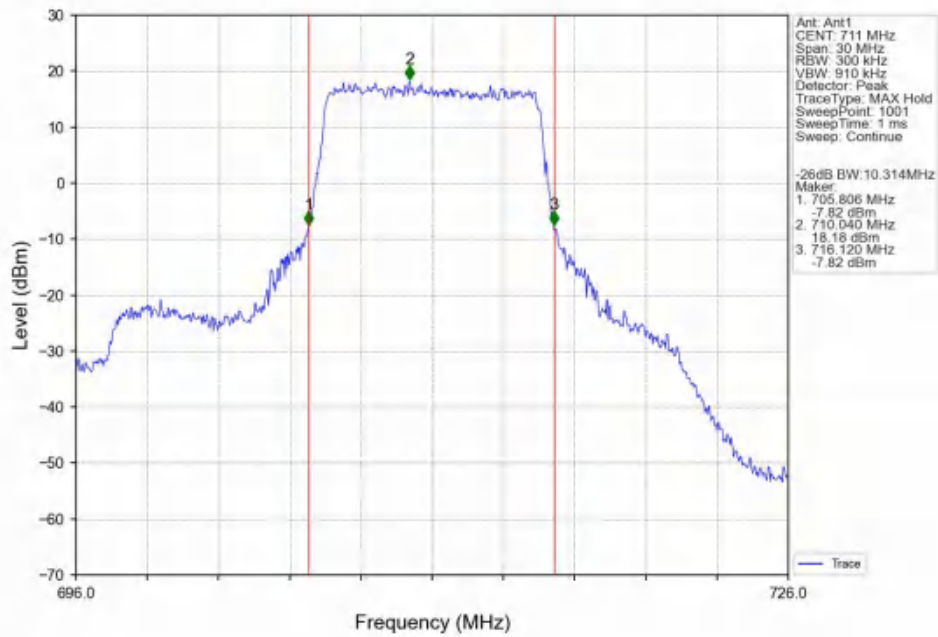


Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV

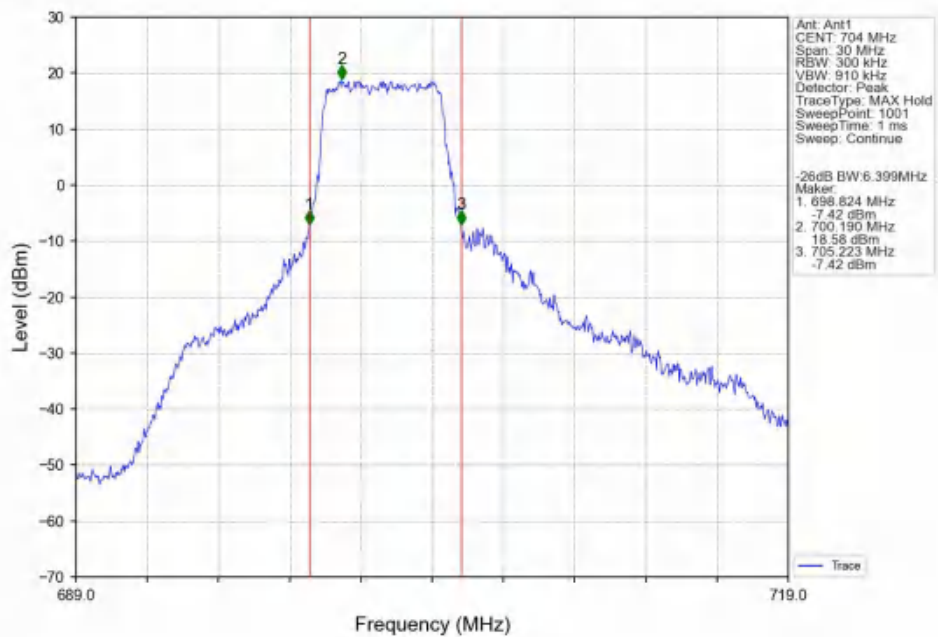




Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

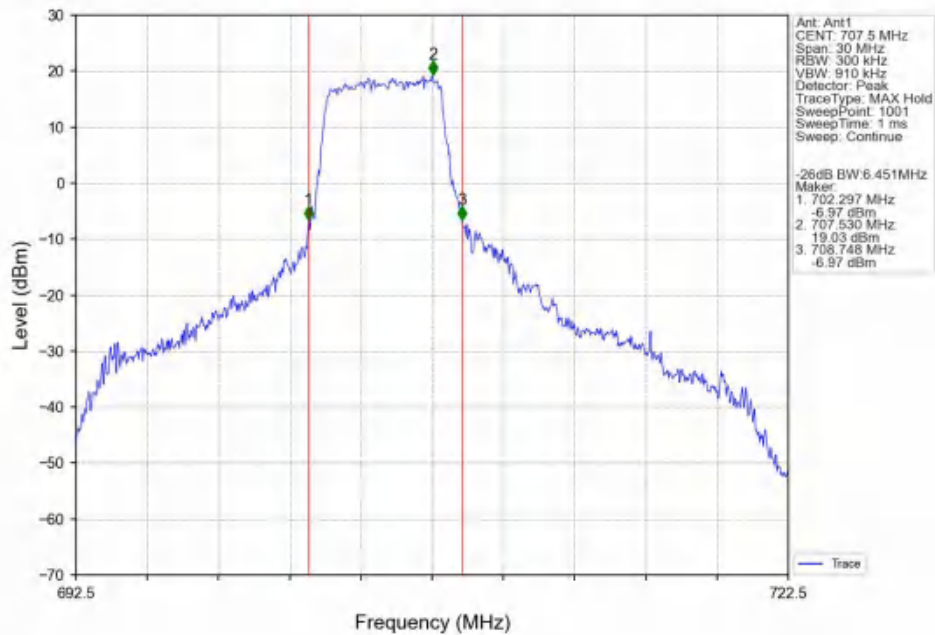


Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV

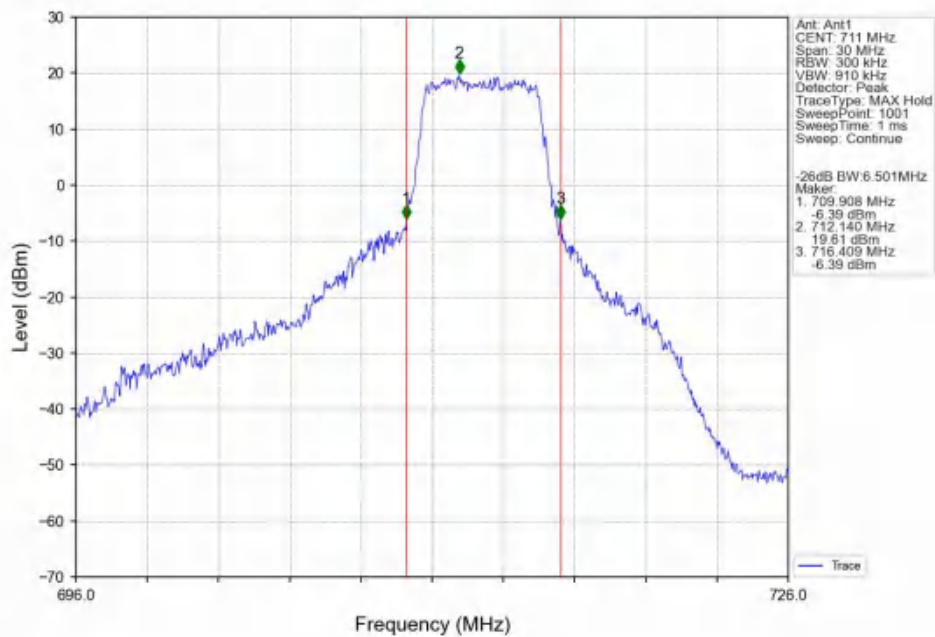




Band12_10MHz_16QAM_MCH_707.5MHz_RB_27_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_27_23_NTNV





5. Peak-Average Ratio

5.1 Test Result

5.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	6	0	5.70	<=13	Pass
	707.5	6	0	5.57	<=13	Pass
	715.3	6	0	5.28	<=13	Pass
16QAM	699.7	6	0	10.70	<=13	Pass
	707.5	6	0	11.33	<=13	Pass
	715.3	6	0	6.11	<=13	Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	15	0	5.64	<=13	Pass
	707.5	15	0	5.53	<=13	Pass
	714.5	15	0	5.43	<=13	Pass
16QAM	700.5	15	0	6.27	<=13	Pass
	707.5	15	0	6.28	<=13	Pass
	714.5	15	0	6.17	<=13	Pass

5.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.62	<=13	Pass
	707.5	25	0	5.47	<=13	Pass
	713.5	25	0	5.62	<=13	Pass
16QAM	701.5	25	0	6.22	<=13	Pass
	707.5	25	0	6.20	<=13	Pass
	713.5	25	0	6.17	<=13	Pass

5.1.4 B12_10MHz

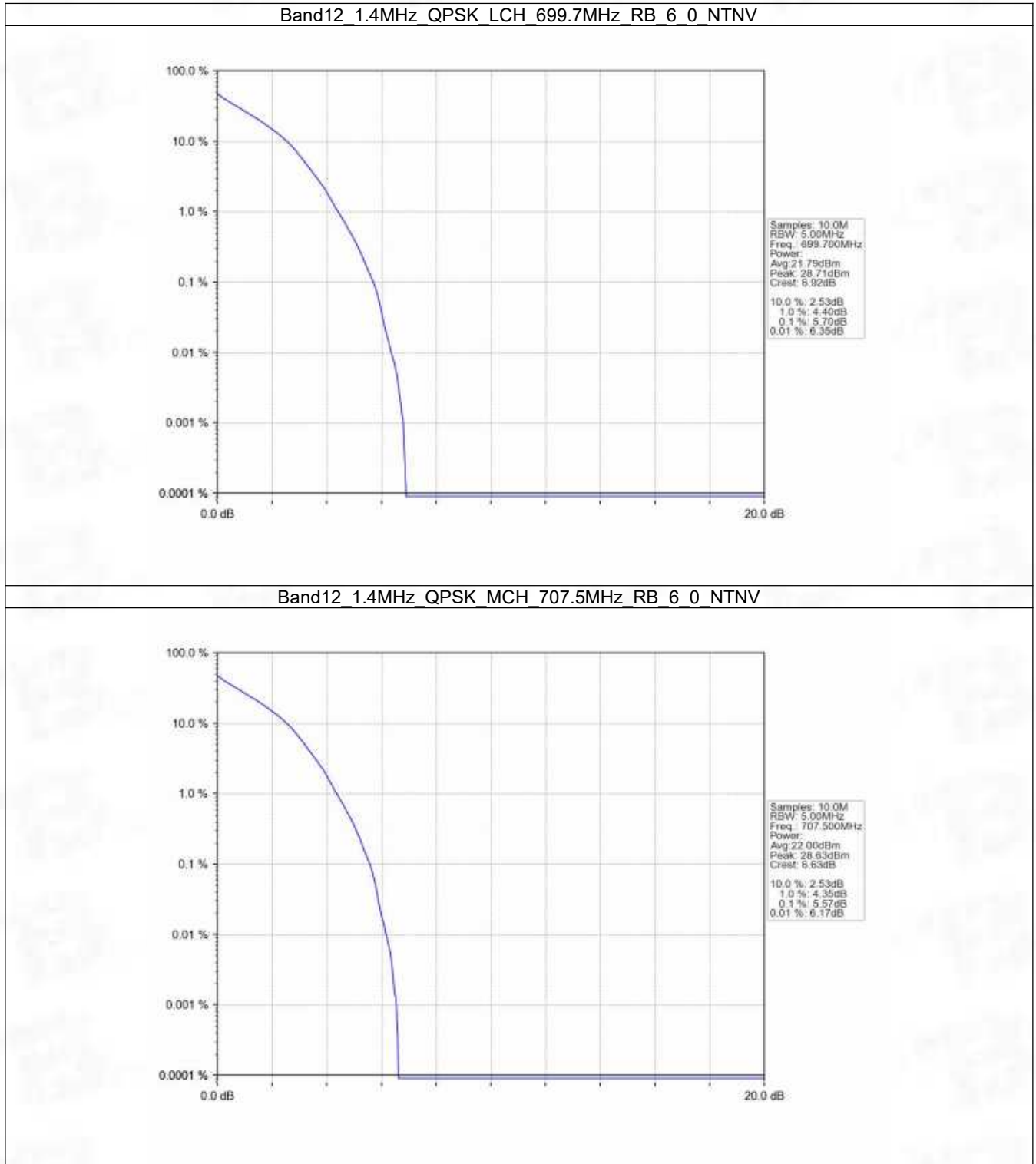
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.70	<=13	Pass
	707.5	50	0	5.36	<=13	Pass
	711	50	0	5.54	<=13	Pass
16QAM	704	27	0	6.30	<=13	Pass
	707.5	27	0	6.23	<=13	Pass
	711	27	23	6.26	<=13	Pass





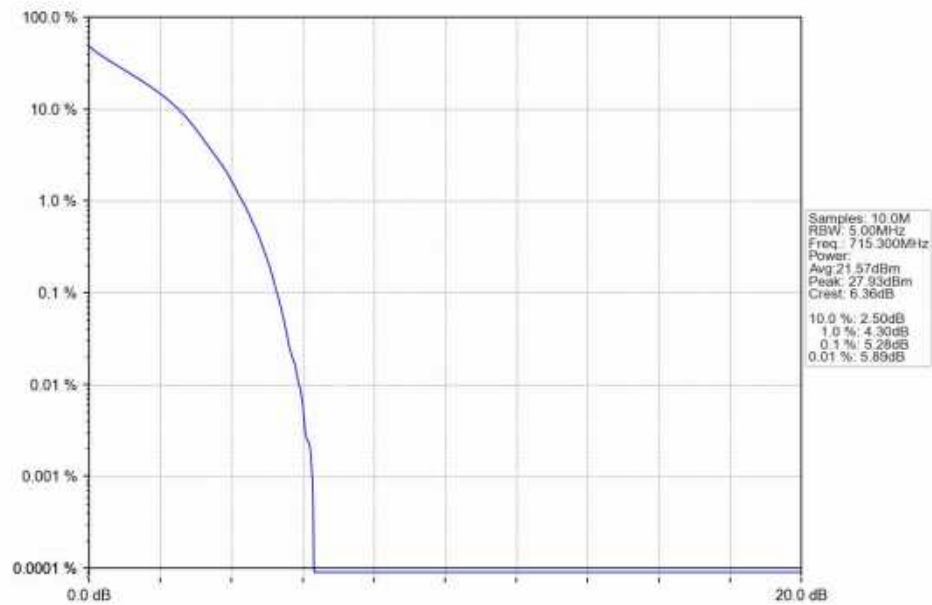
5.2 Test Graph

5.2.1 B12_1.4MHz

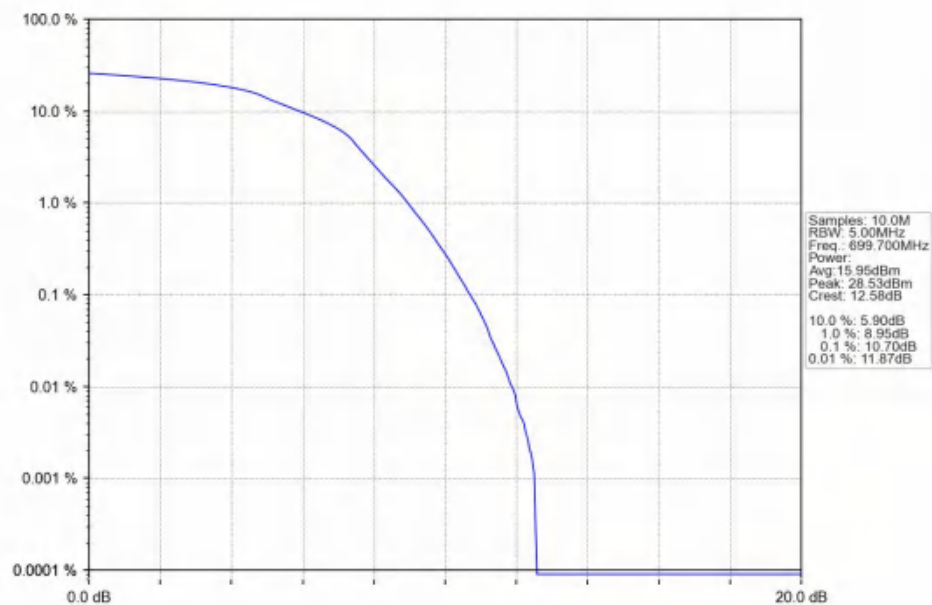




Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV

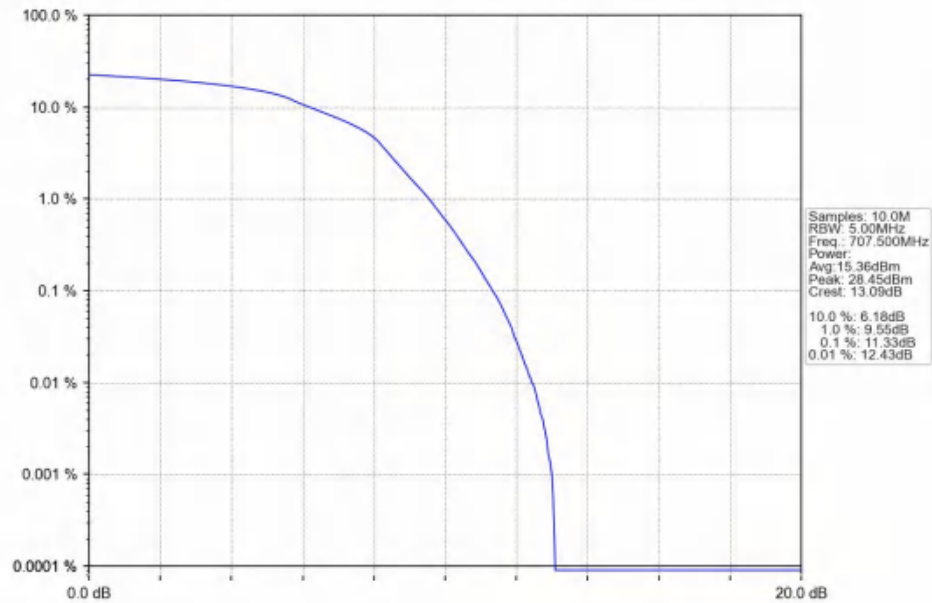


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV

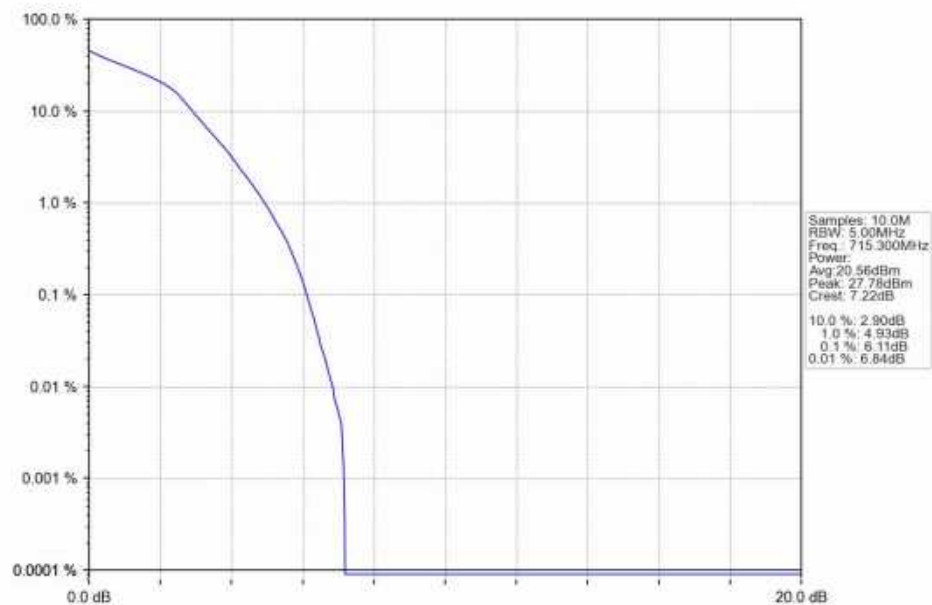




Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV

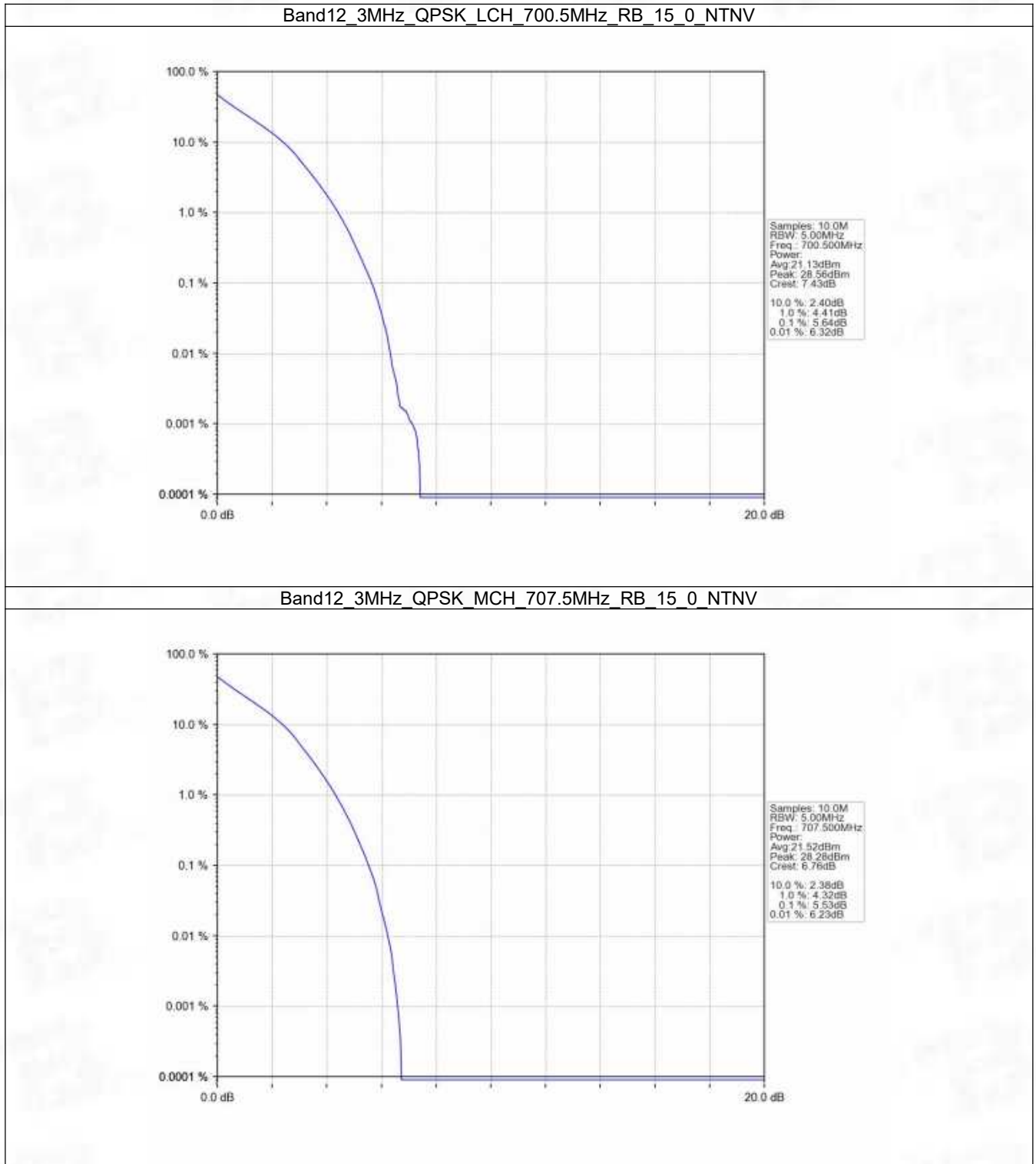


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



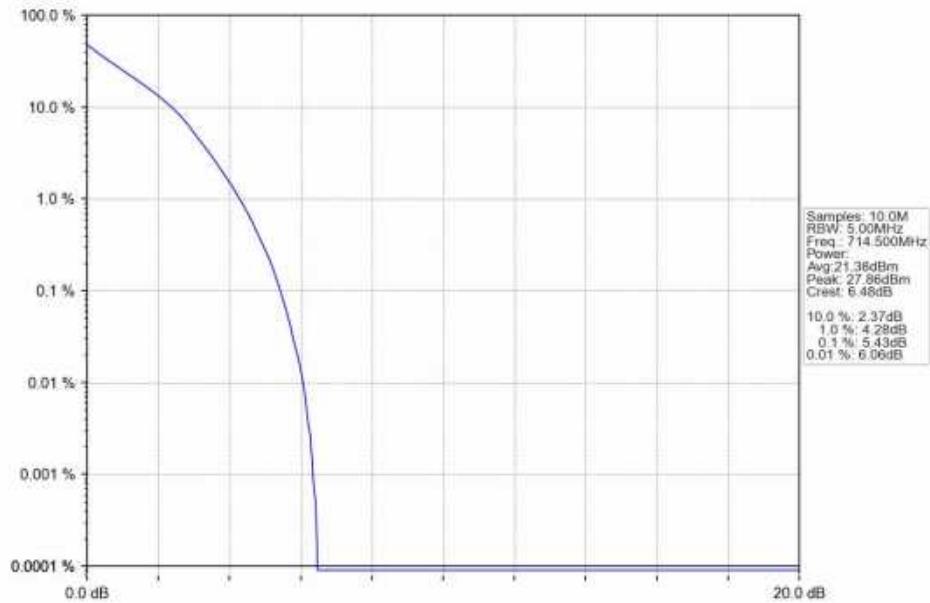


5.2.2 B12_3MHz

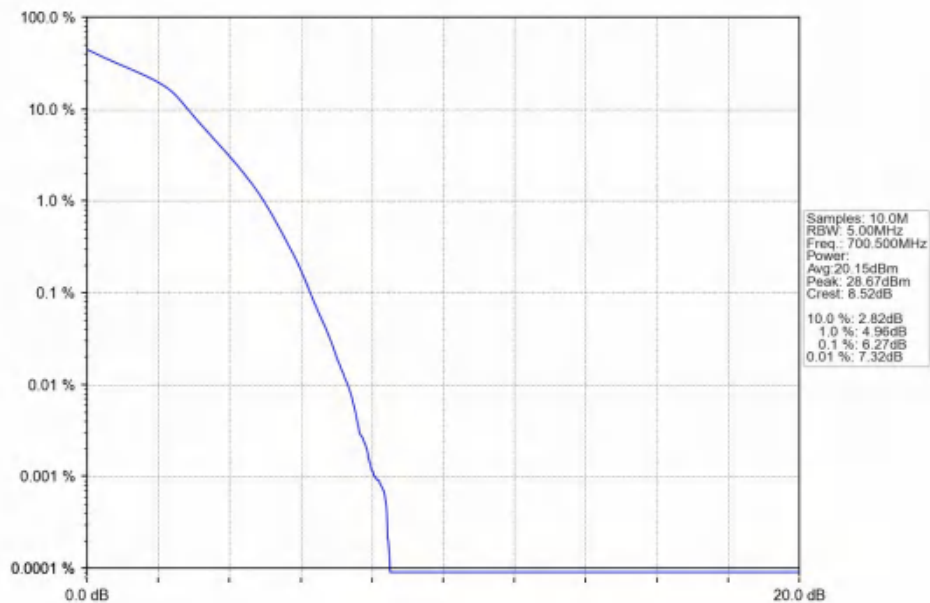




Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV

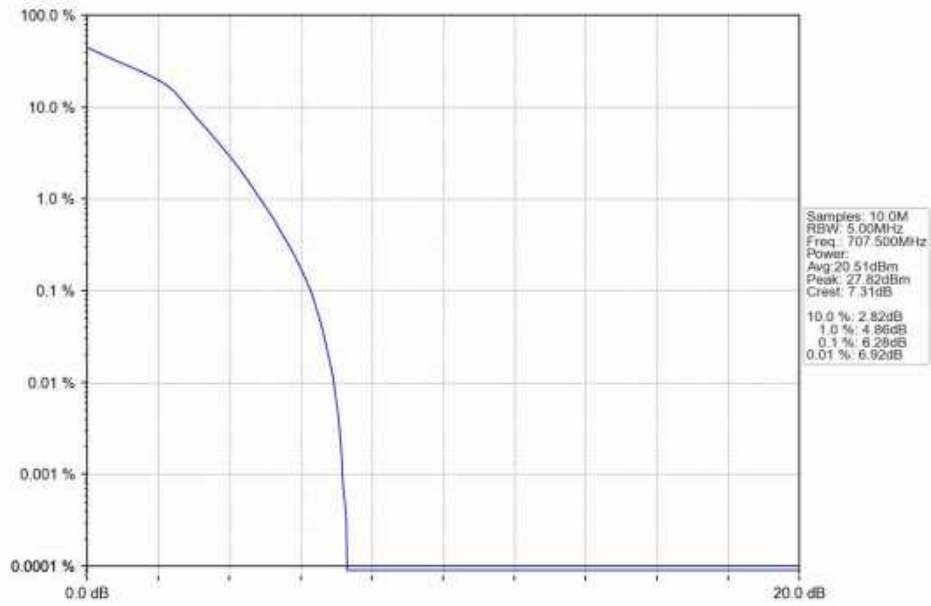


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

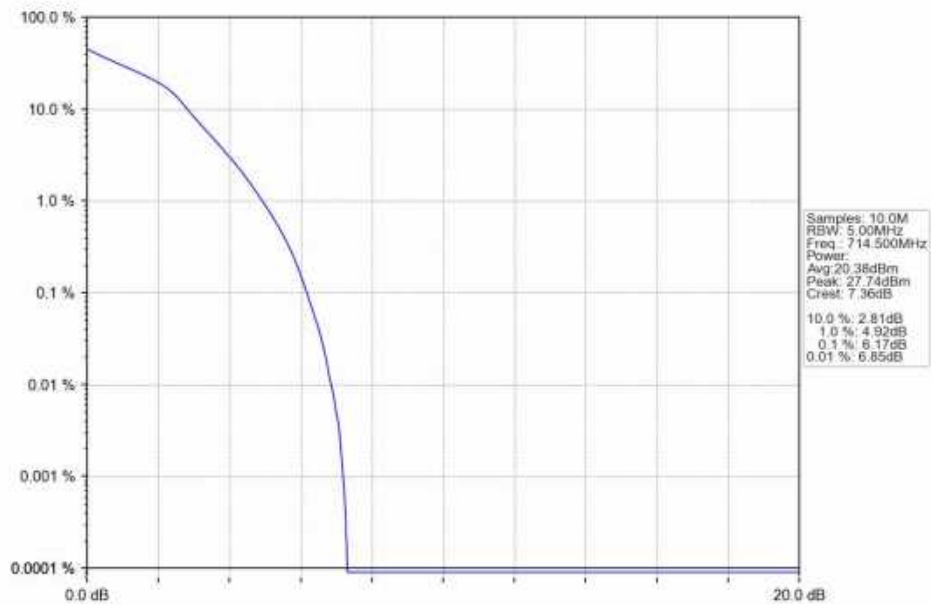




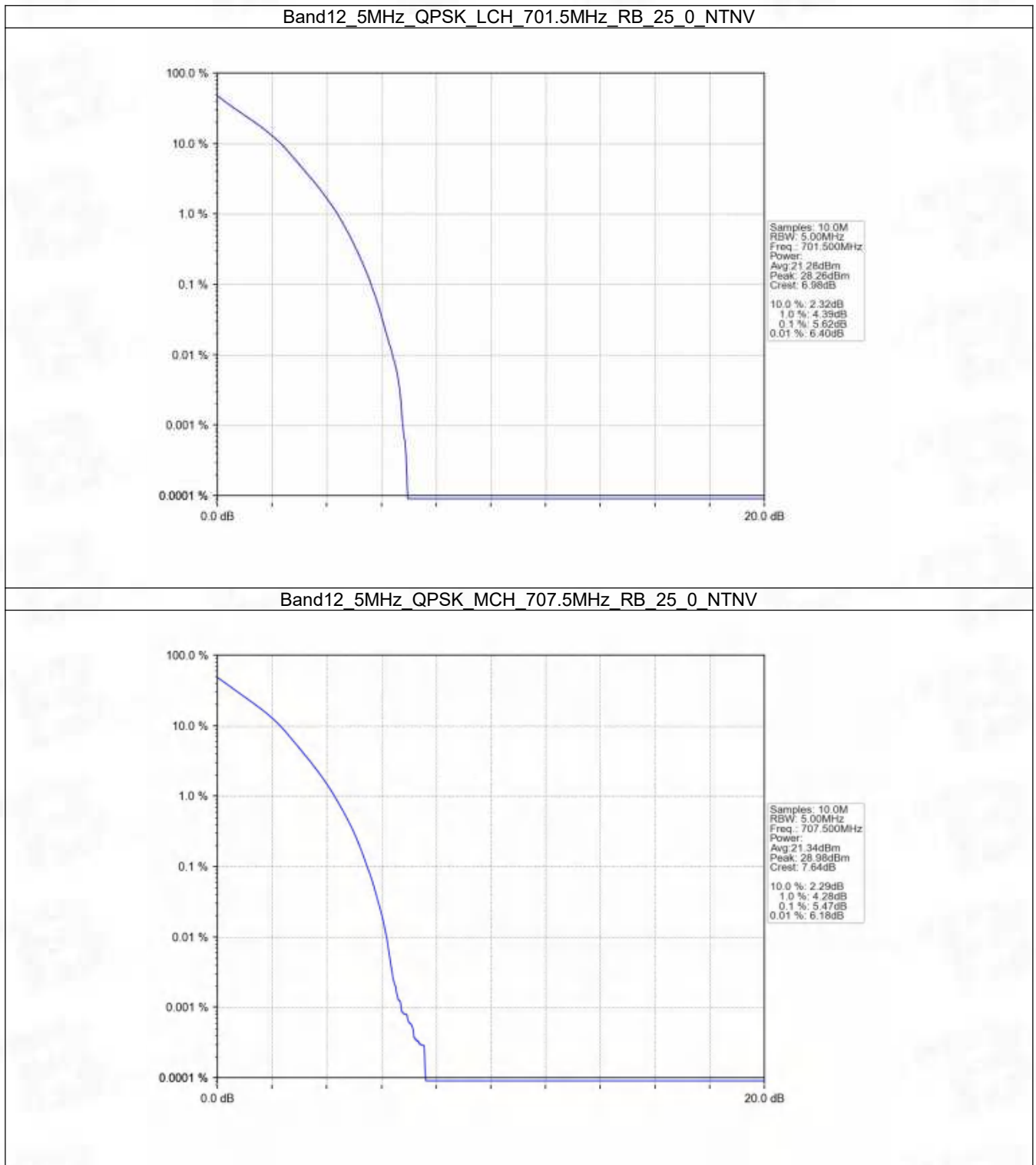
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

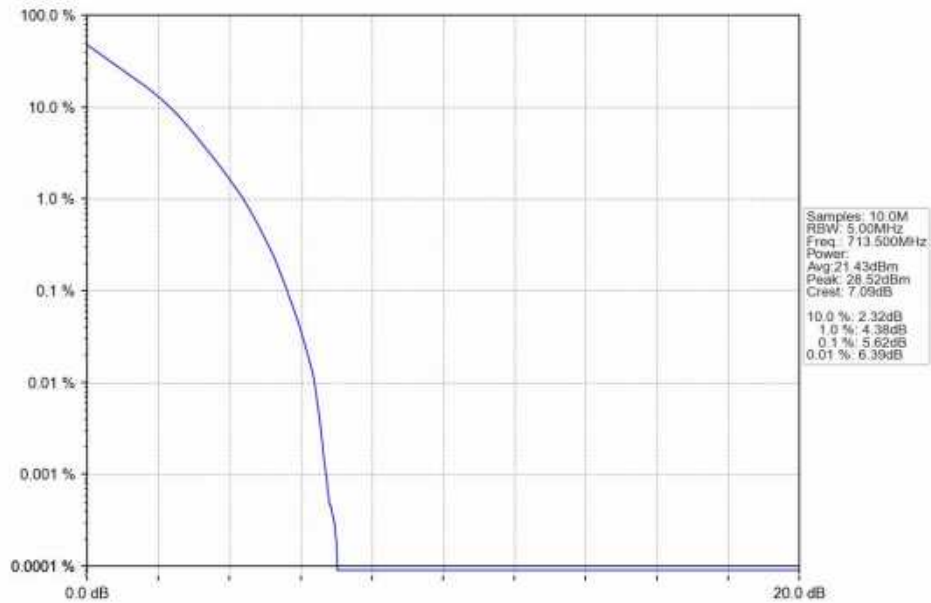


5.2.3 B12_5MHz

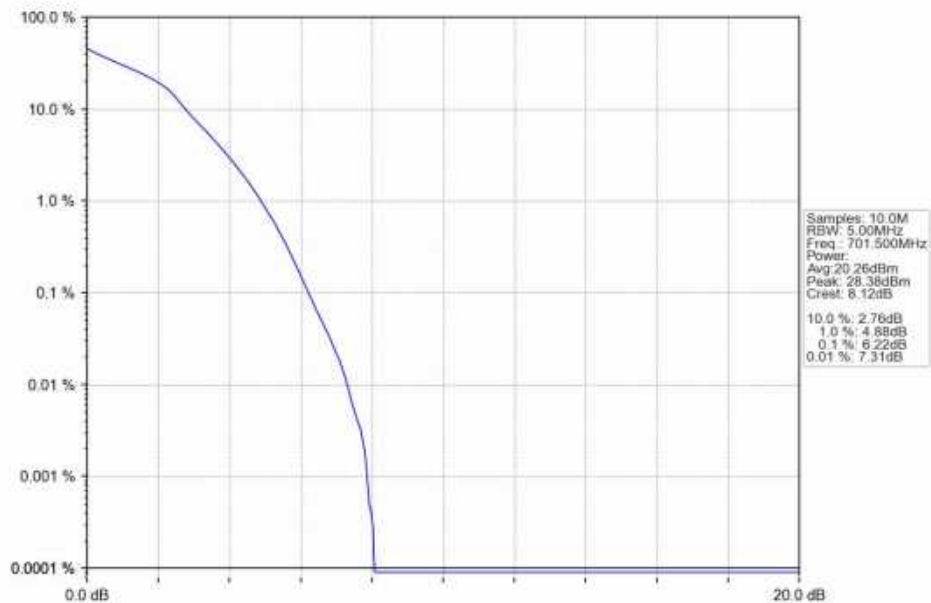




Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

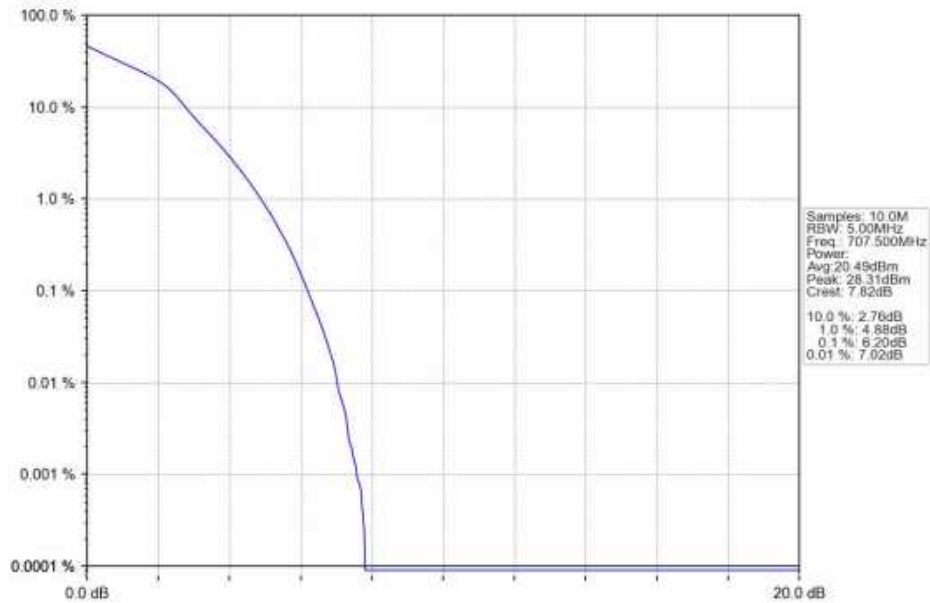


Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

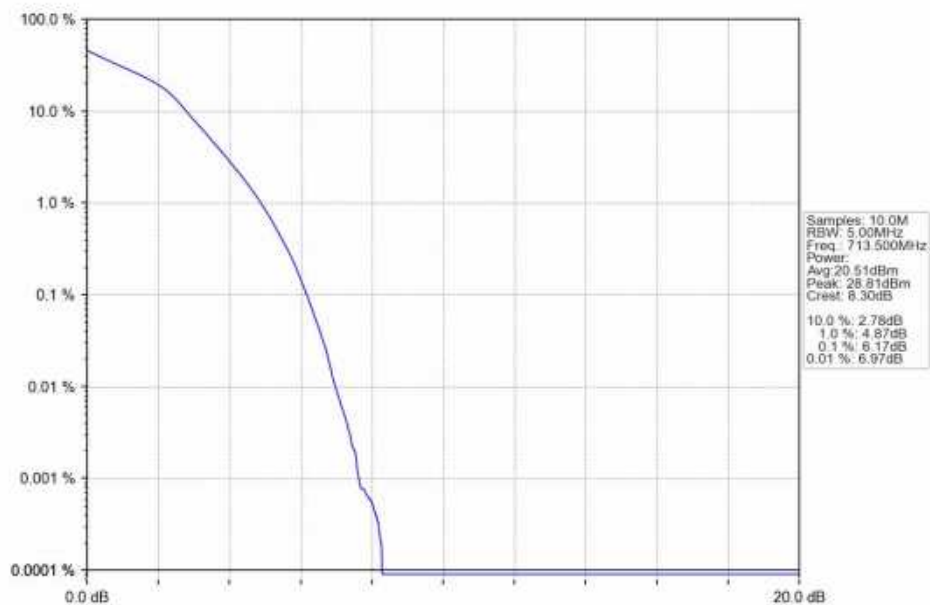




Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

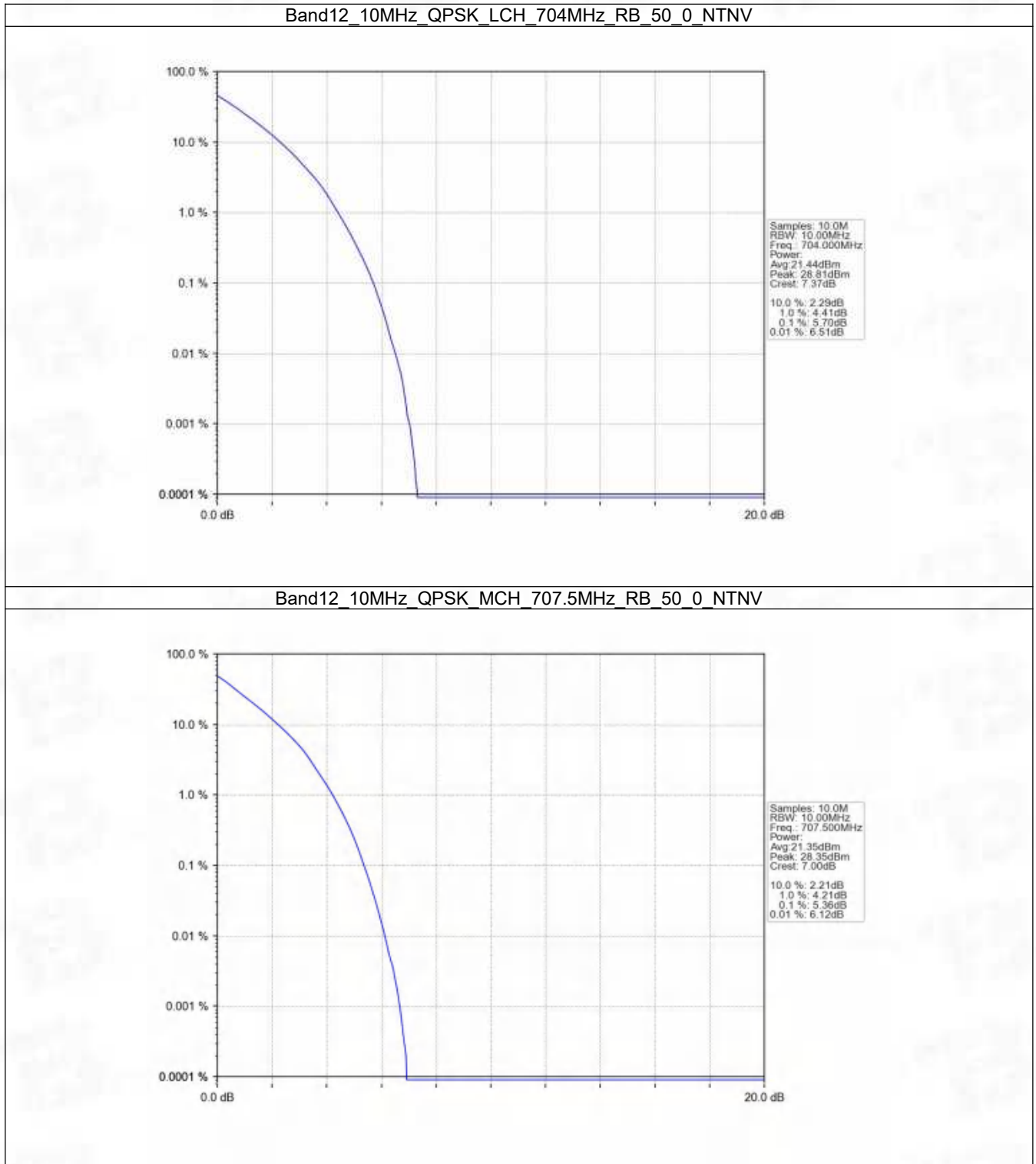


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



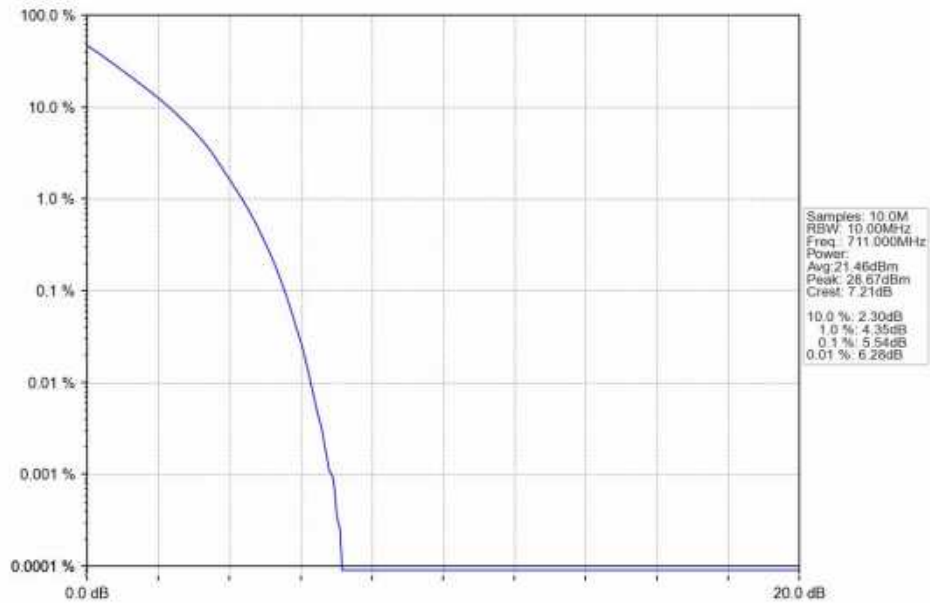


5.2.4 B12_10MHz

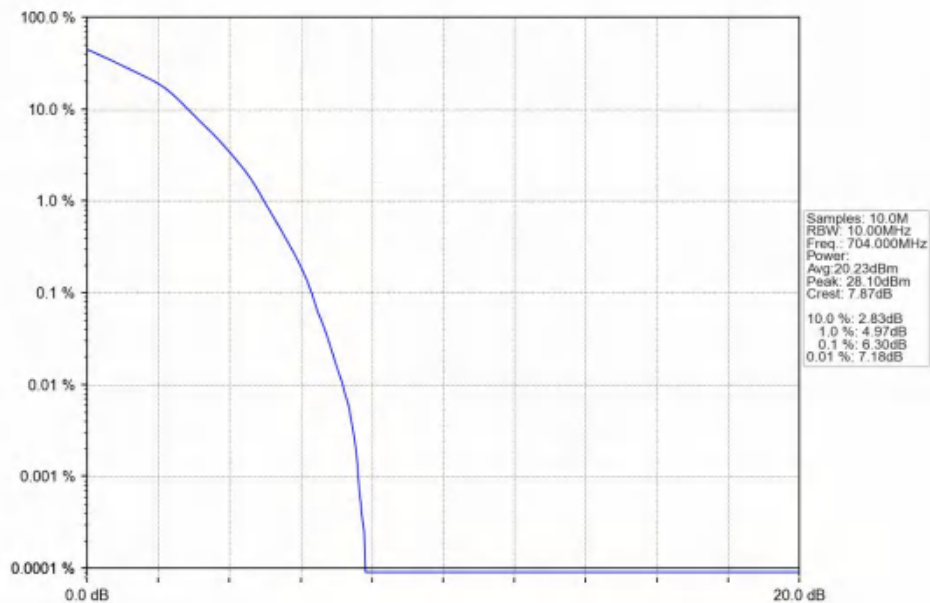




Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

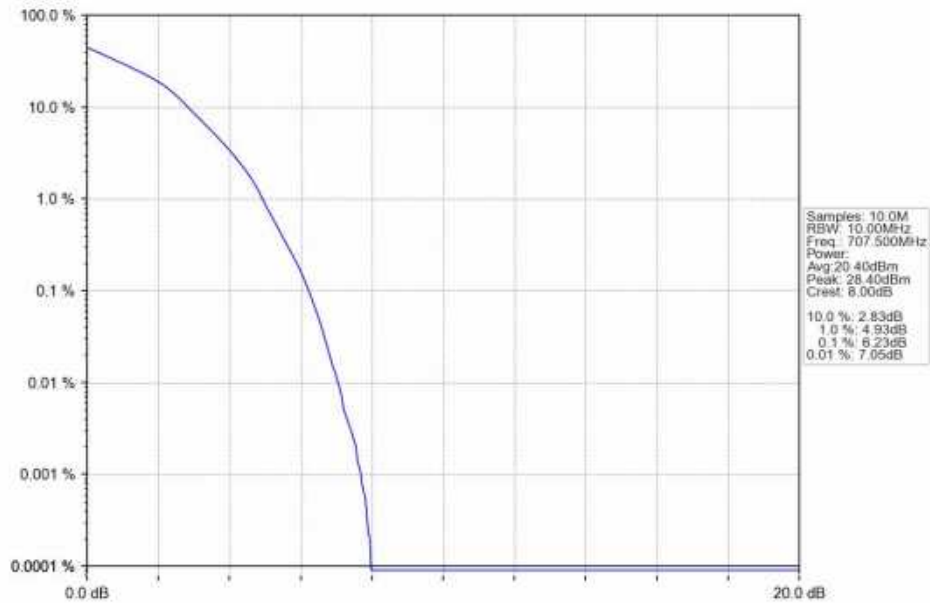


Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV

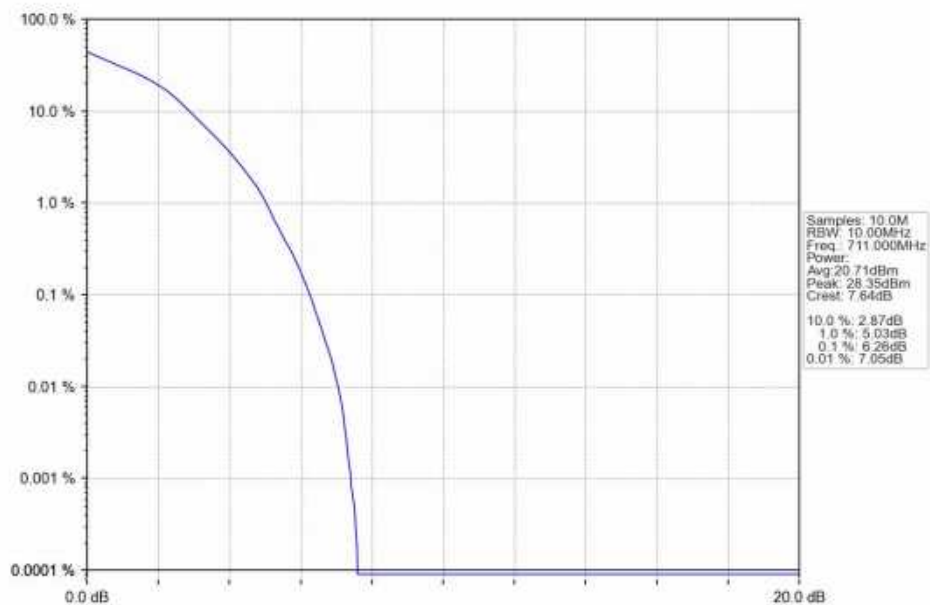




Band12_10MHz_16QAM_MCH_707.5MHz_RB_27_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_27_23_NTNV





6. Spurious Emission

6.1 Test Result

6.1.1 B12_1.4MHz

Band: 12 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	699.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	715.3	1	5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
16QAM	699.7	1	0	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	715.3	1	5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass

6.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	700.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	714.5	1	14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
16QAM	700.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	714.5	1	14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass

6.1.3 B12_5MHz

Band: 12 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	701.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	713.5	1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	701.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass



	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

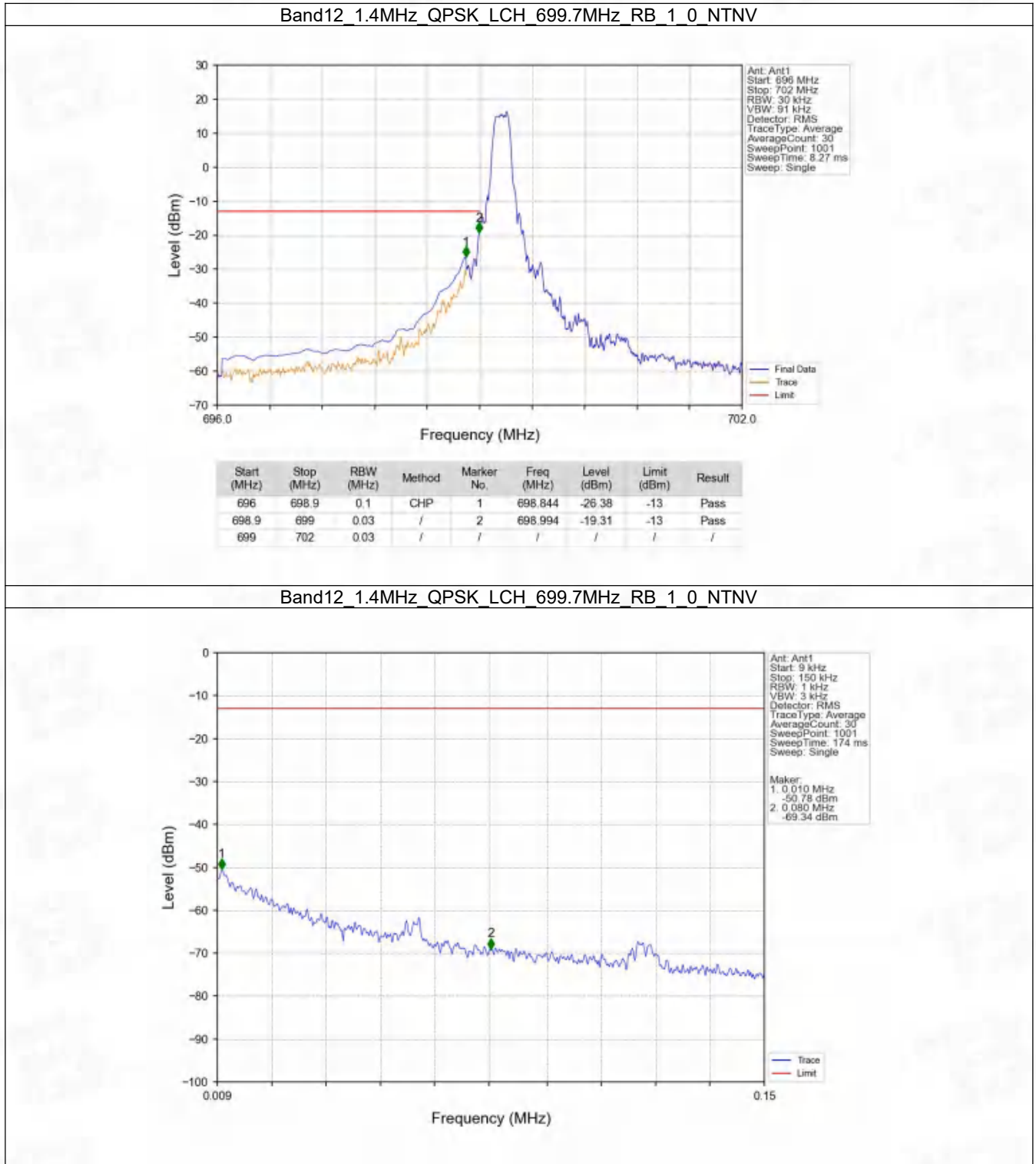
6.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
		50	49	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
16QAM	704	1	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass



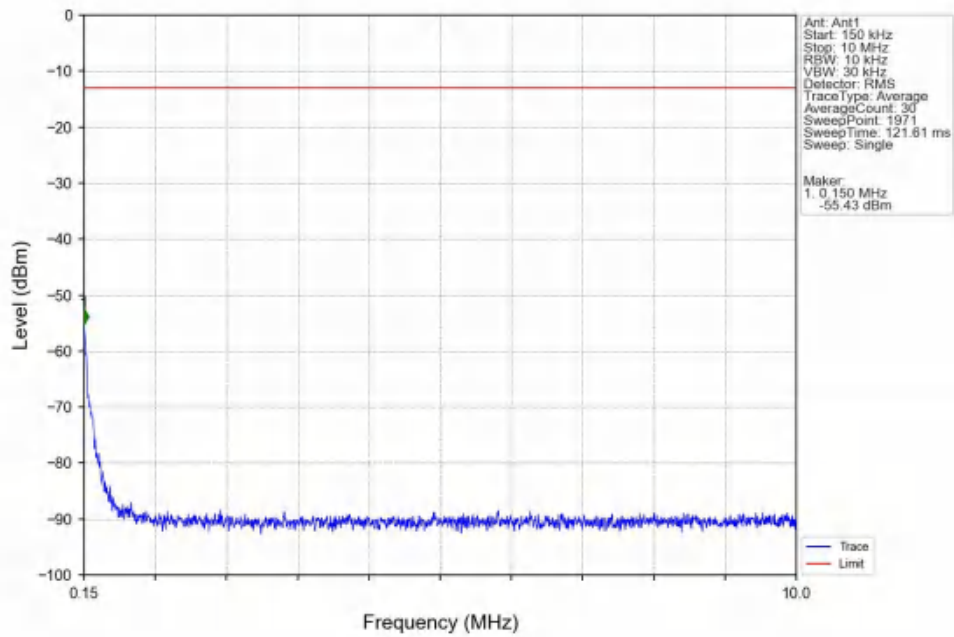
6.2 Test Graph

6.2.1 B12_1.4MHz

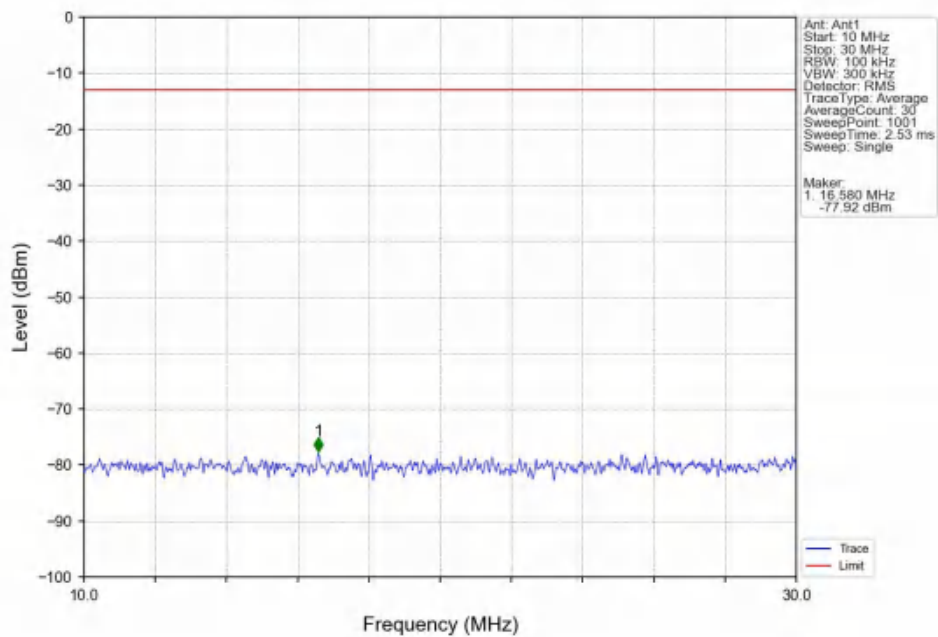




Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

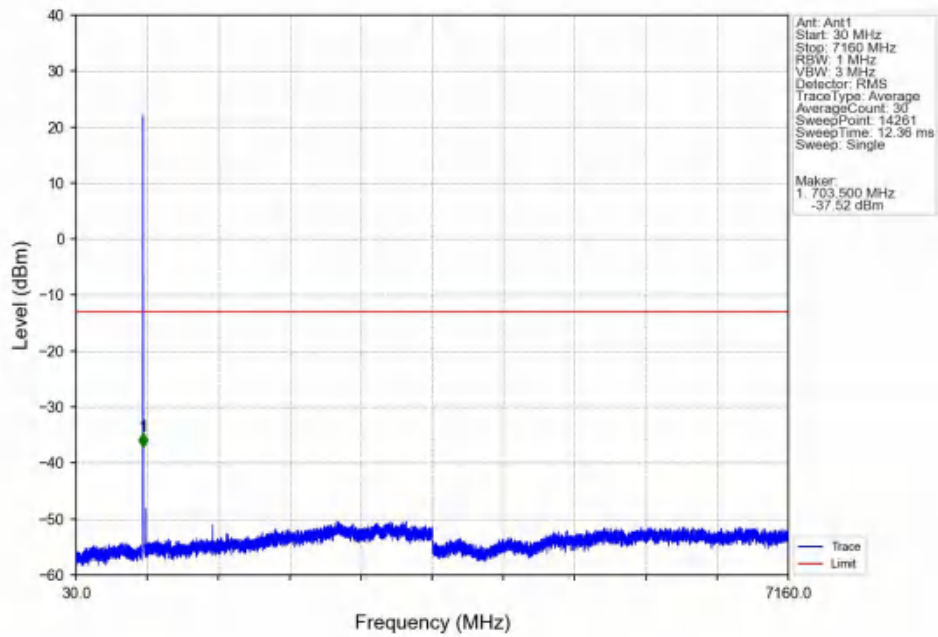


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

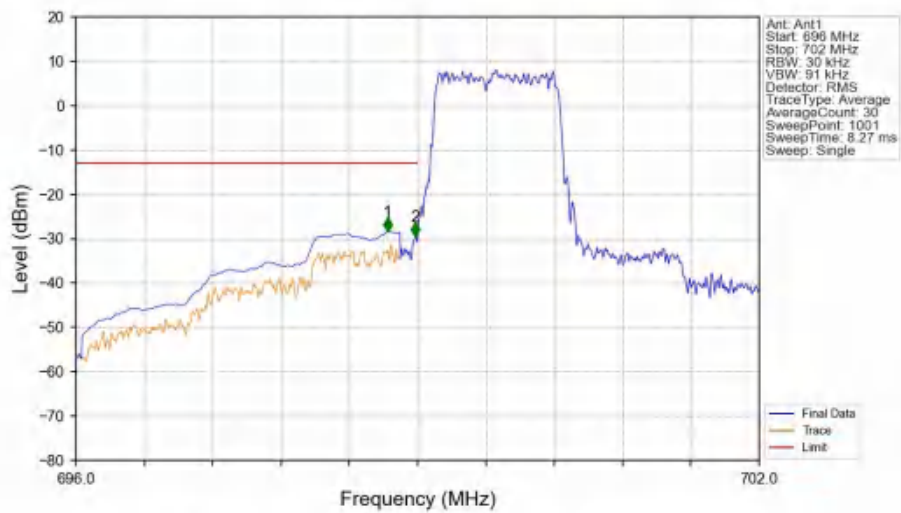




Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



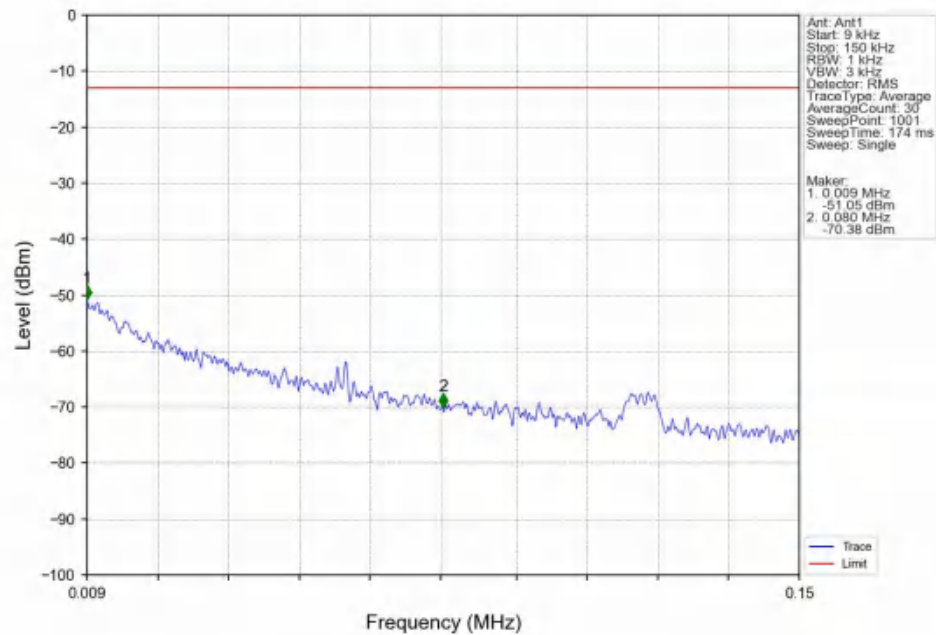
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



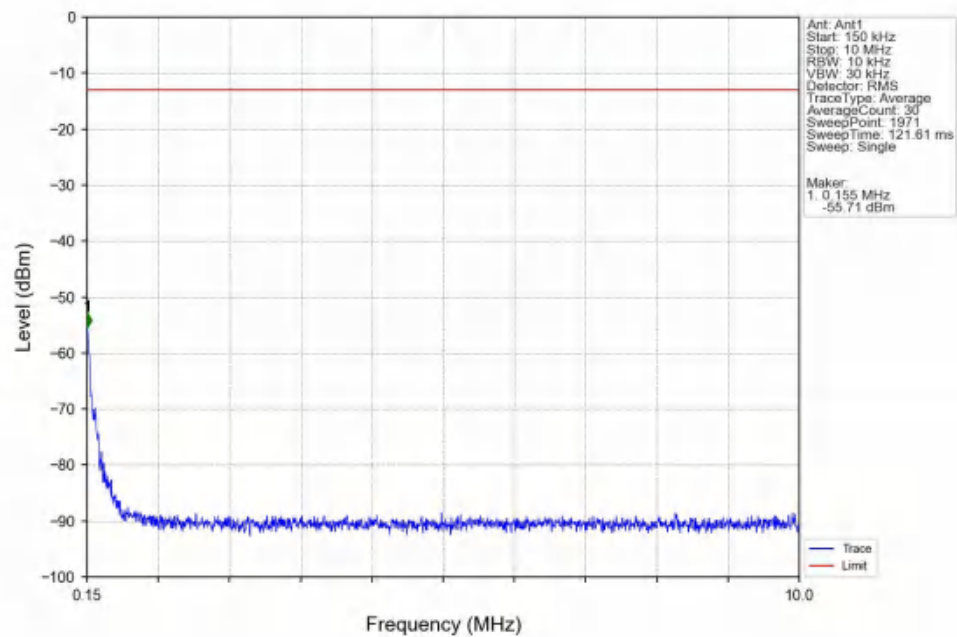
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.736	-28.41	-13	Pass
698.9	699	0.03	/	2	698.982	-29.40	-13	Pass
699	702	0.03	/	/	/	/	/	/



Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

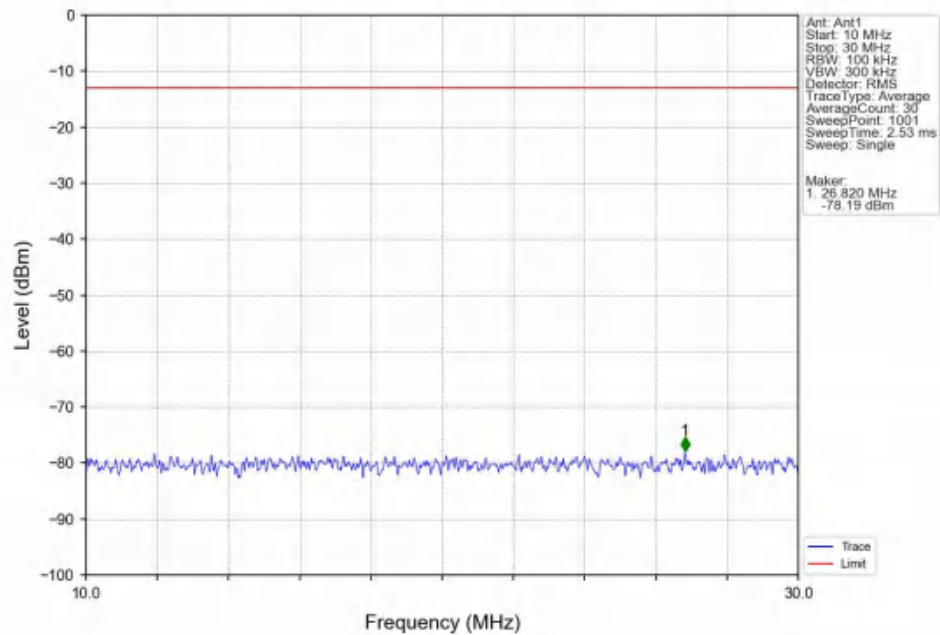


Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

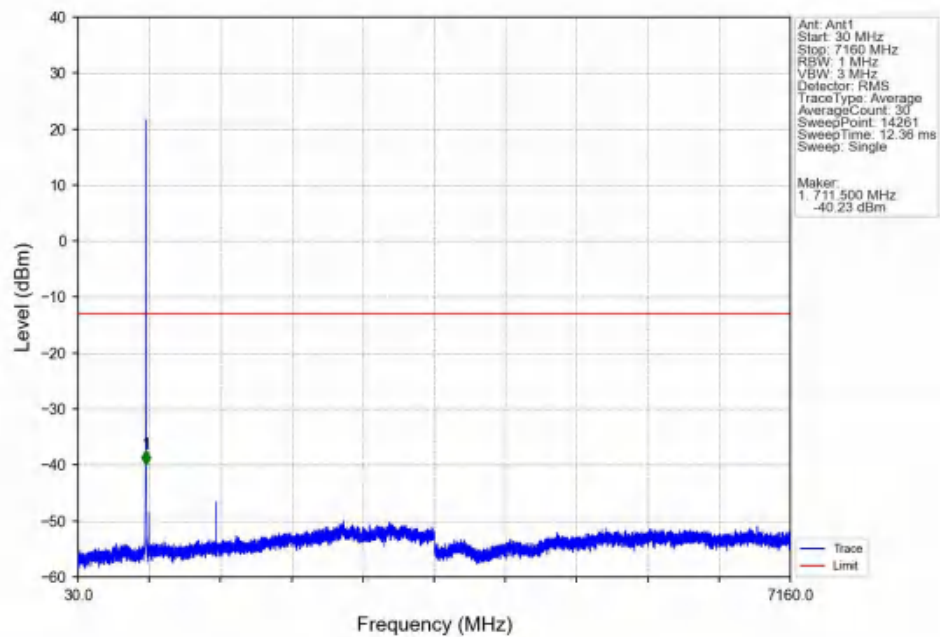




Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

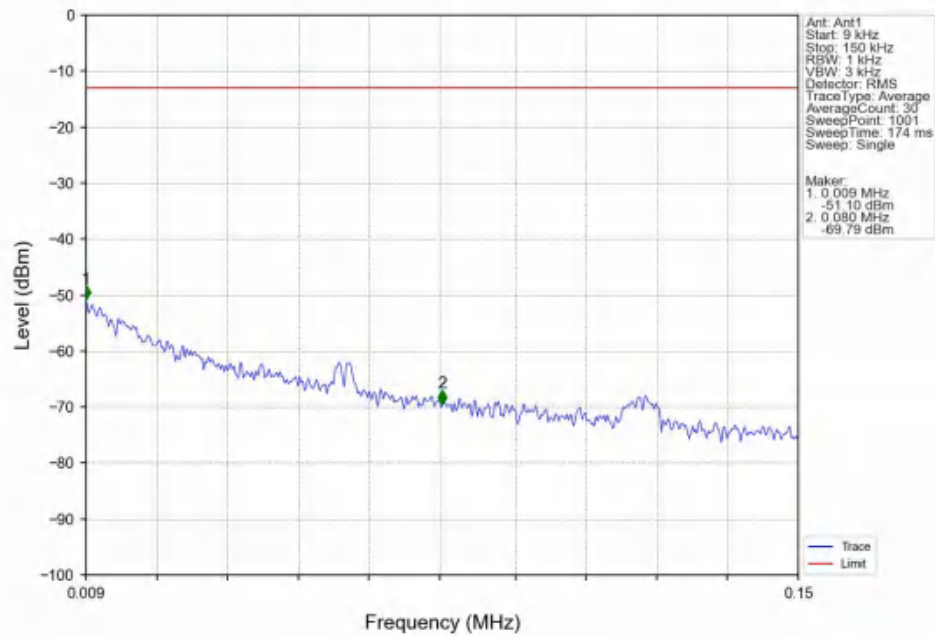


Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

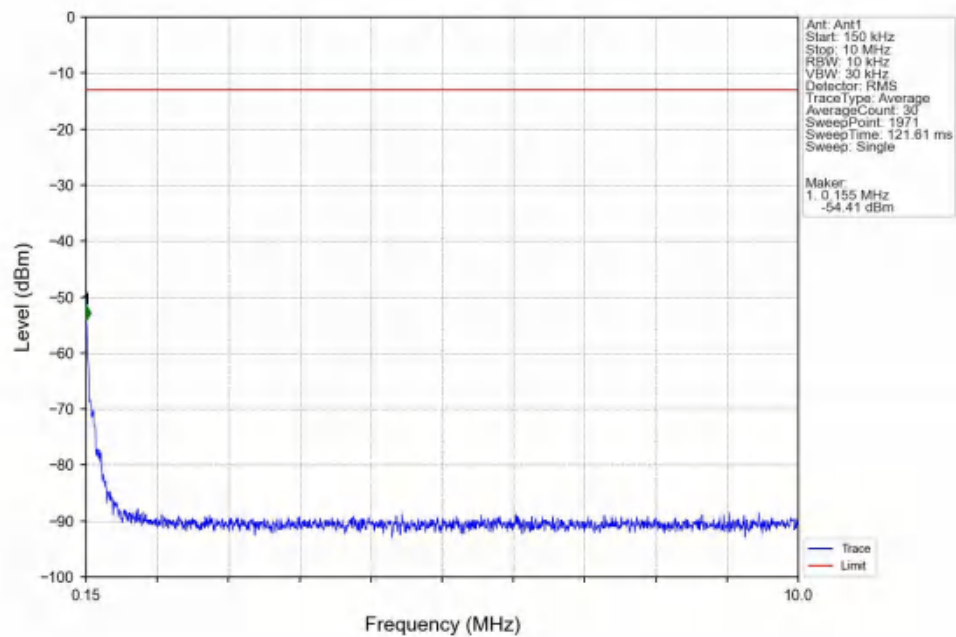




Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

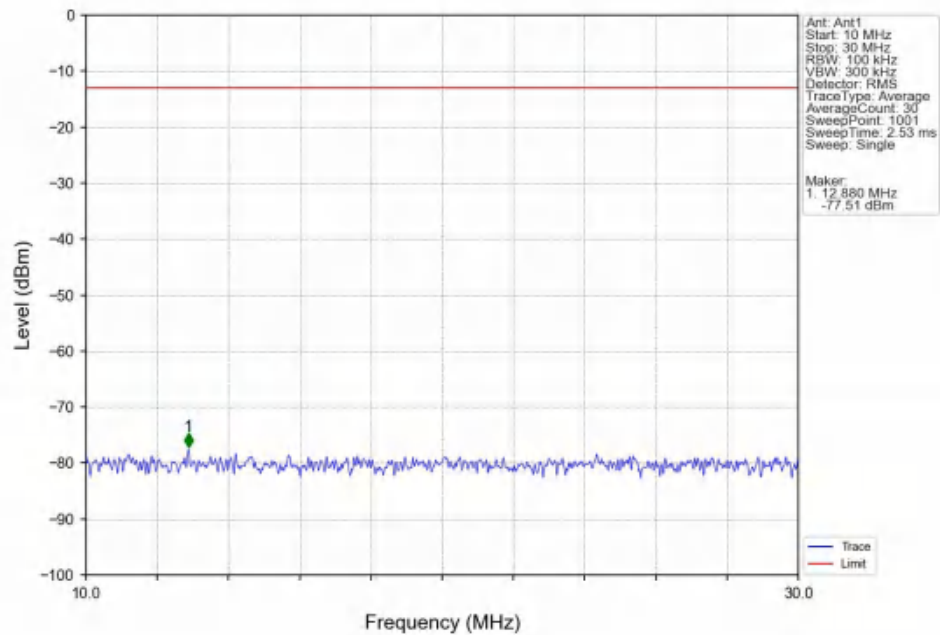


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

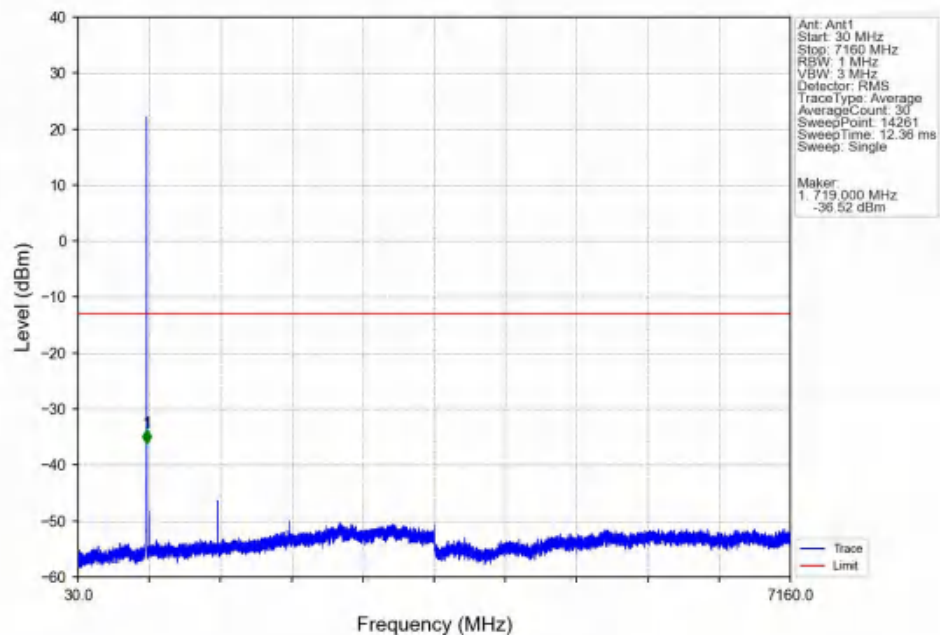




Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV

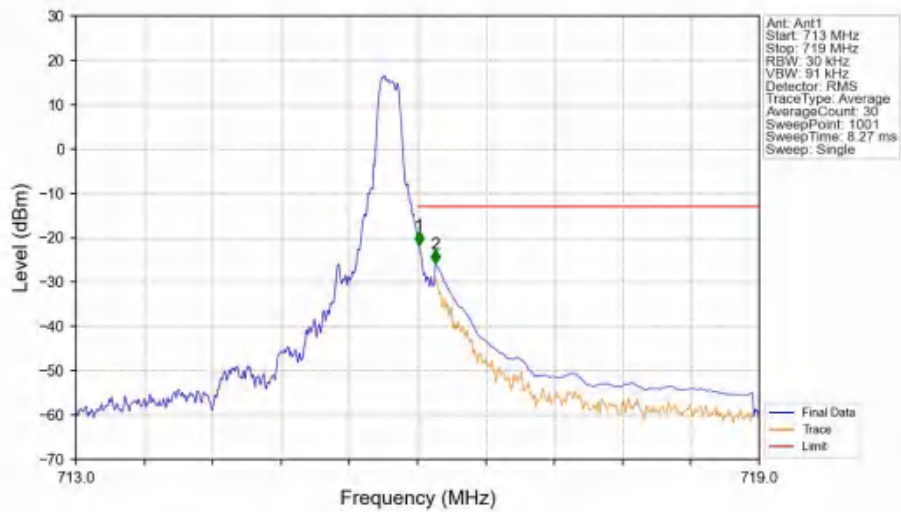


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



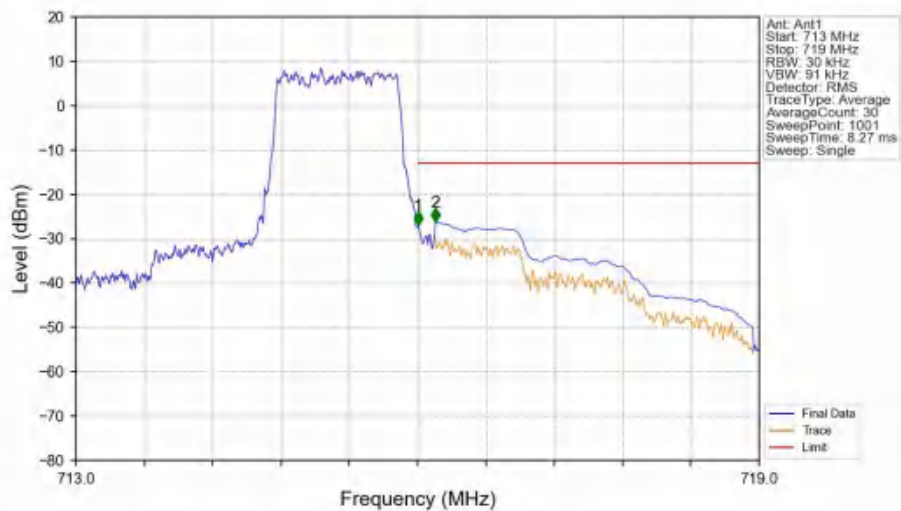


Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-21.61	-13	Pass
716.1	719	0.1	CHP	2	716.156	-25.90	-13	Pass

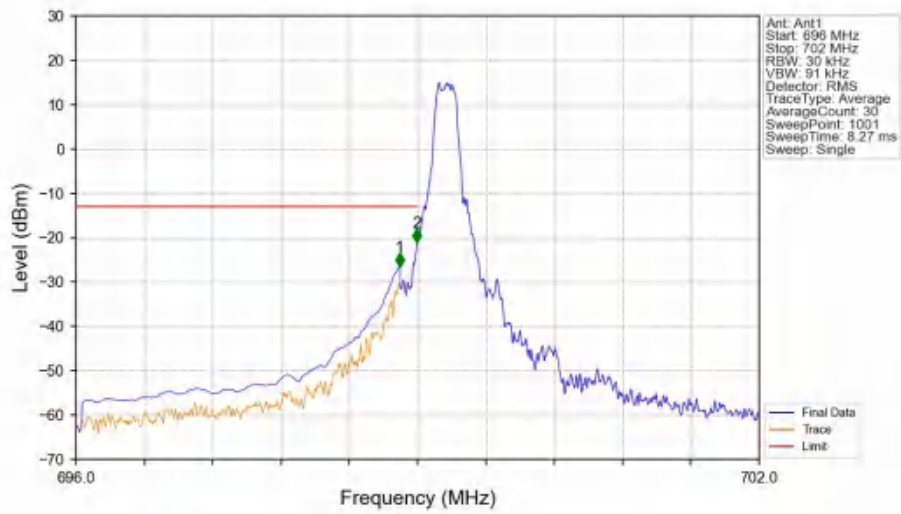
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-26.92	-13	Pass
716.1	719	0.1	CHP	2	716.156	-26.28	-13	Pass

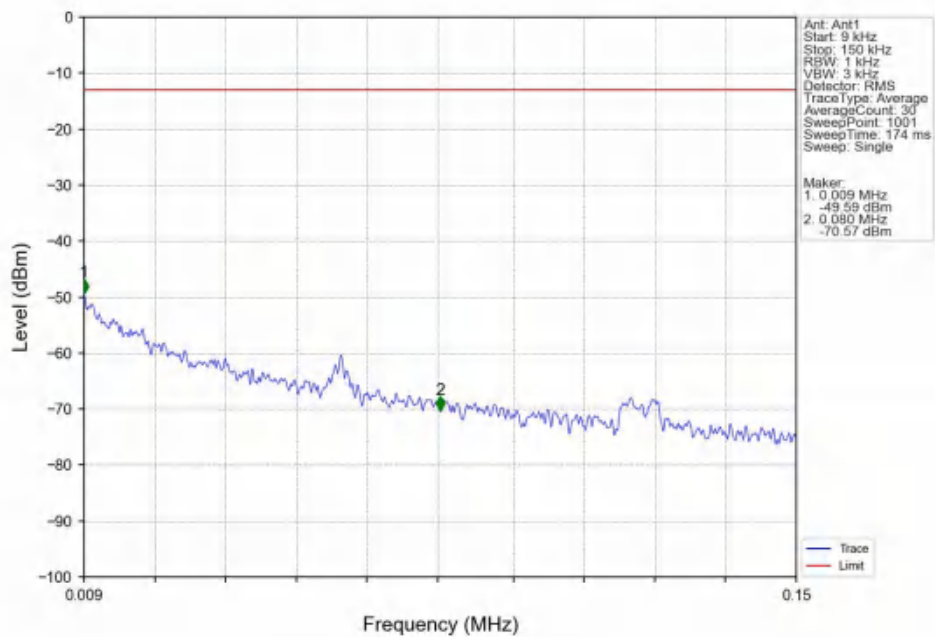


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



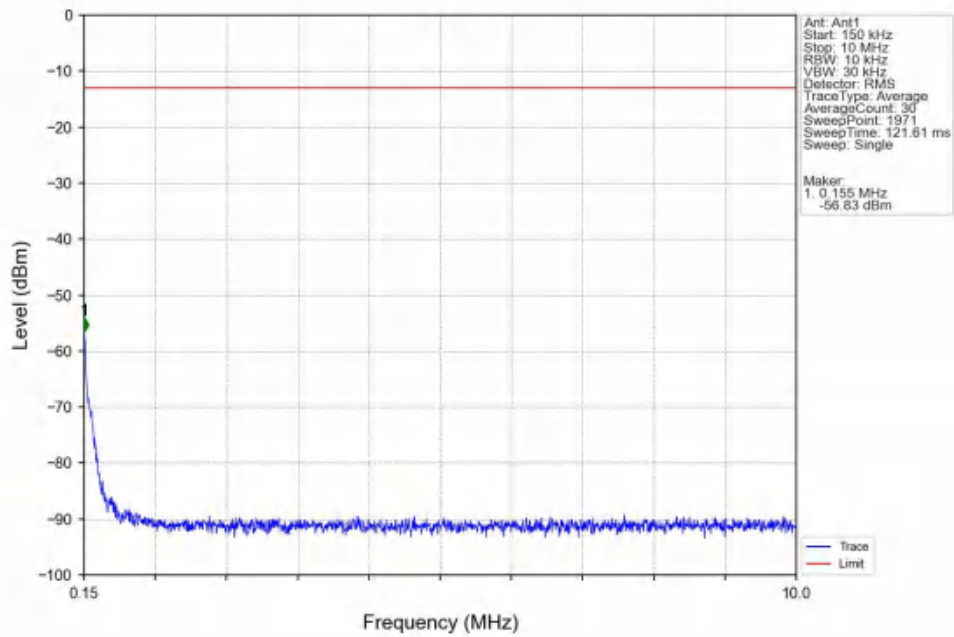
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-26.61	-13	Pass
698.9	699	0.03	/	2	698.994	-21.09	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

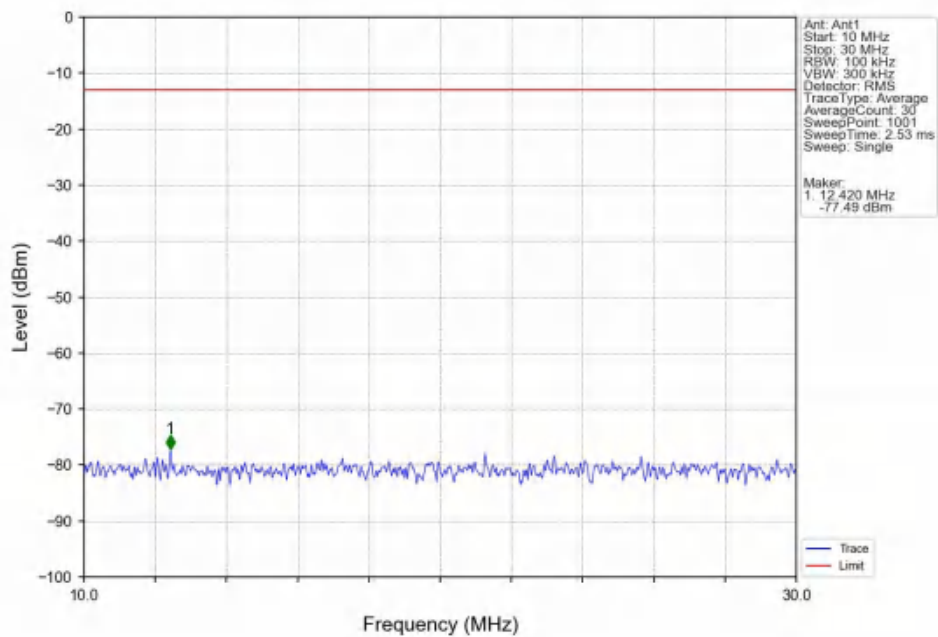




Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

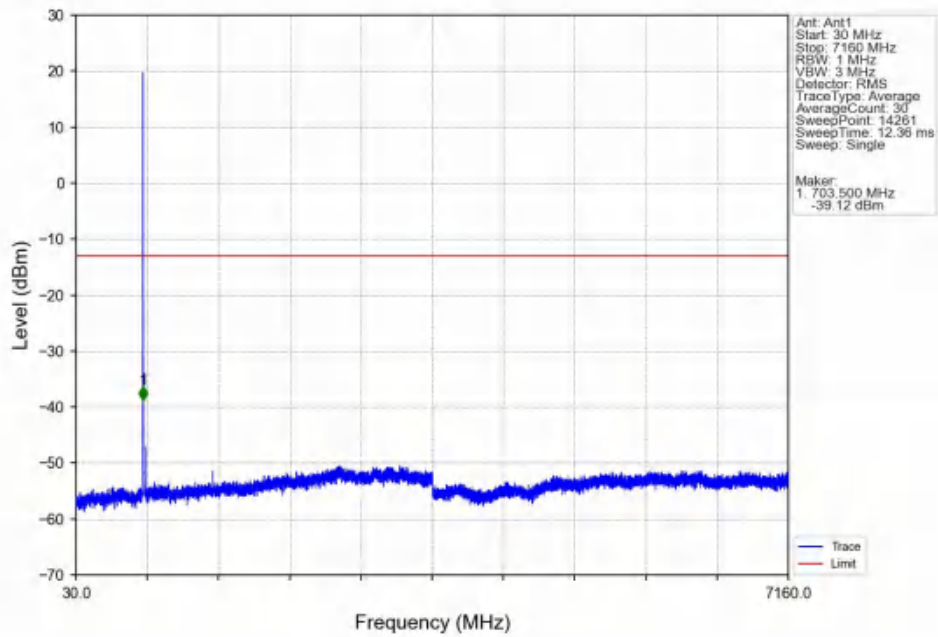


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV

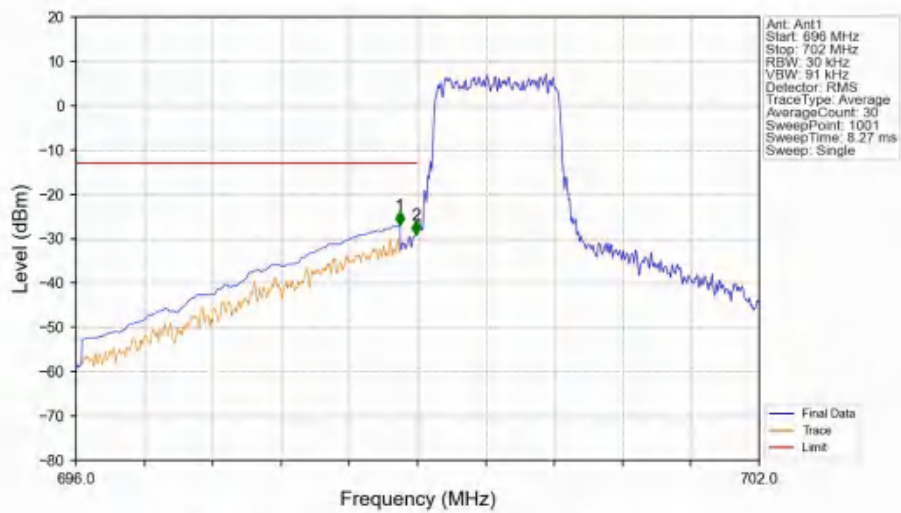




Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_1_0_NTNV



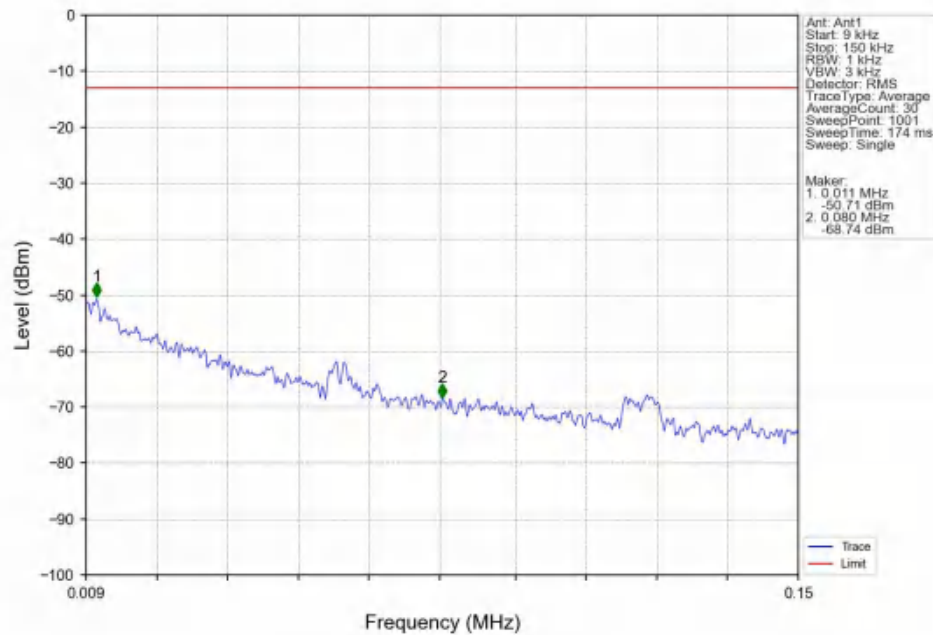
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



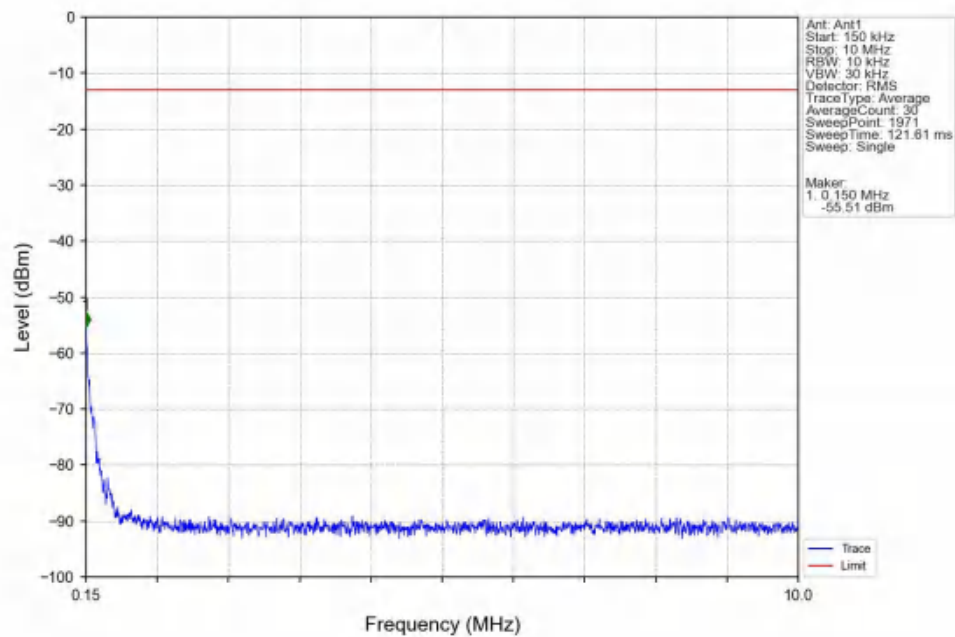
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	696.9	0.1	CHP	1	698.844	-27.00	-13	Pass
696.9	699	0.03	/	2	698.988	-29.17	-13	Pass
699	702	0.03	/	/	/	/	/	/



Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

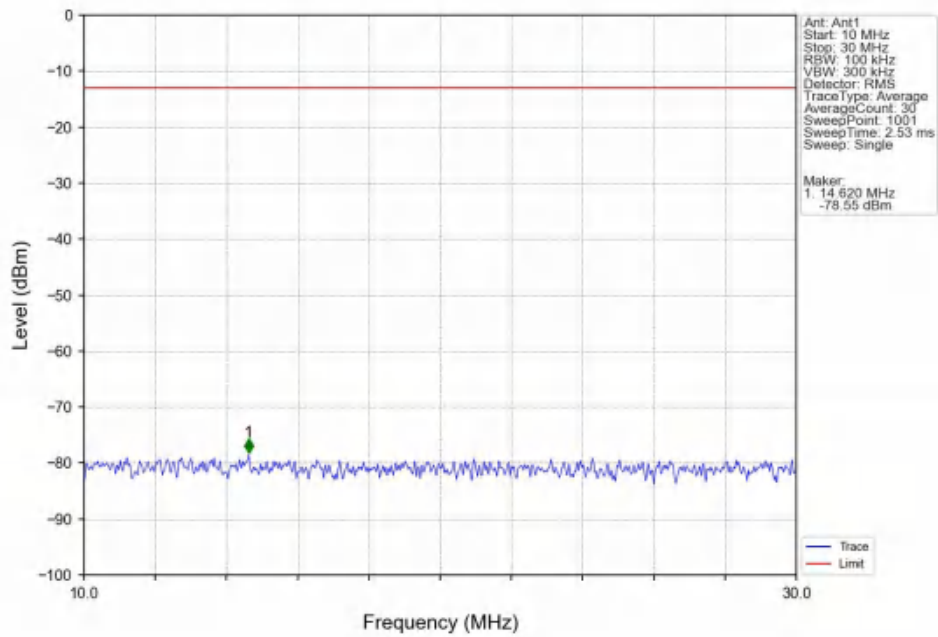


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

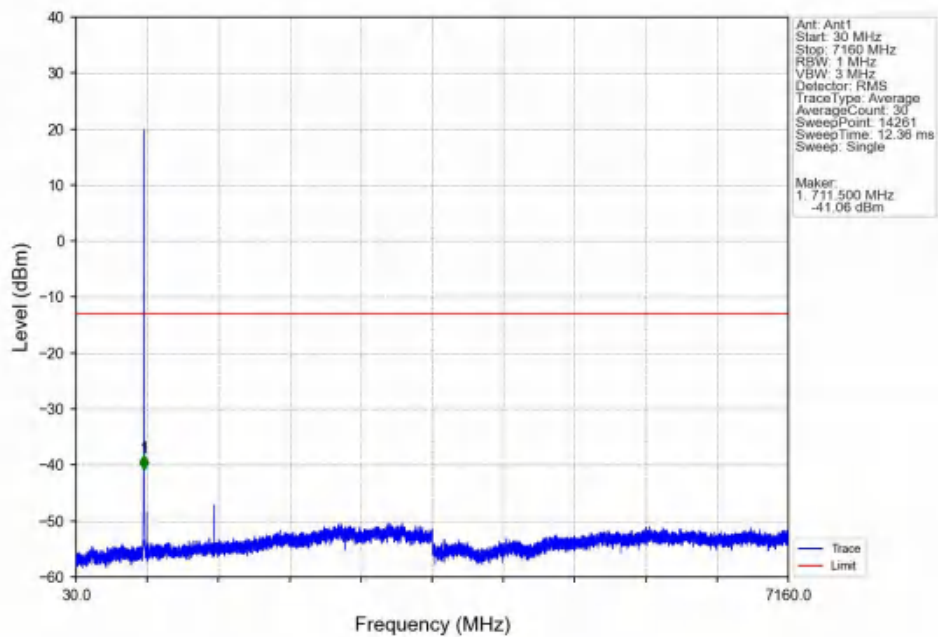




Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

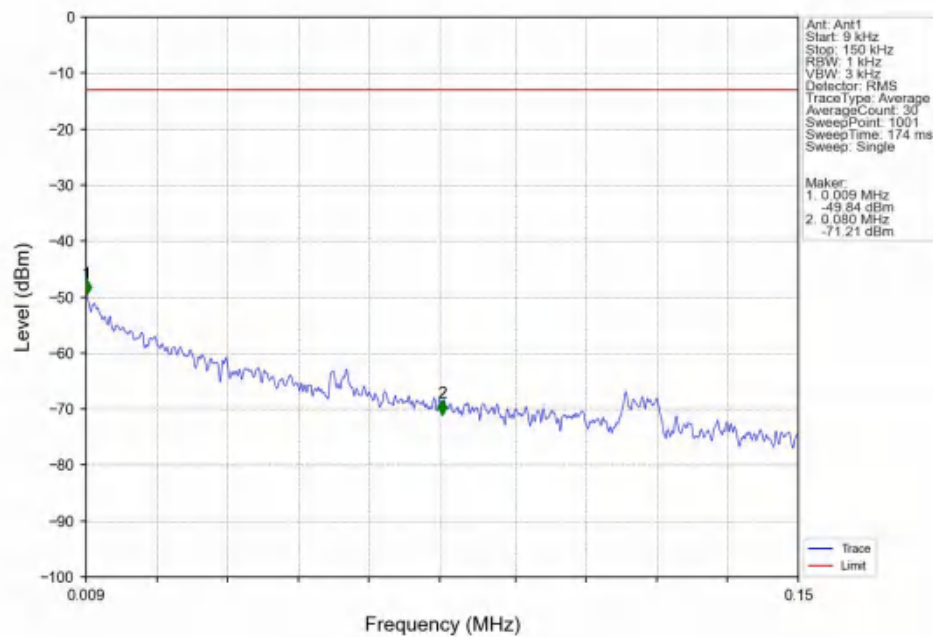


Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

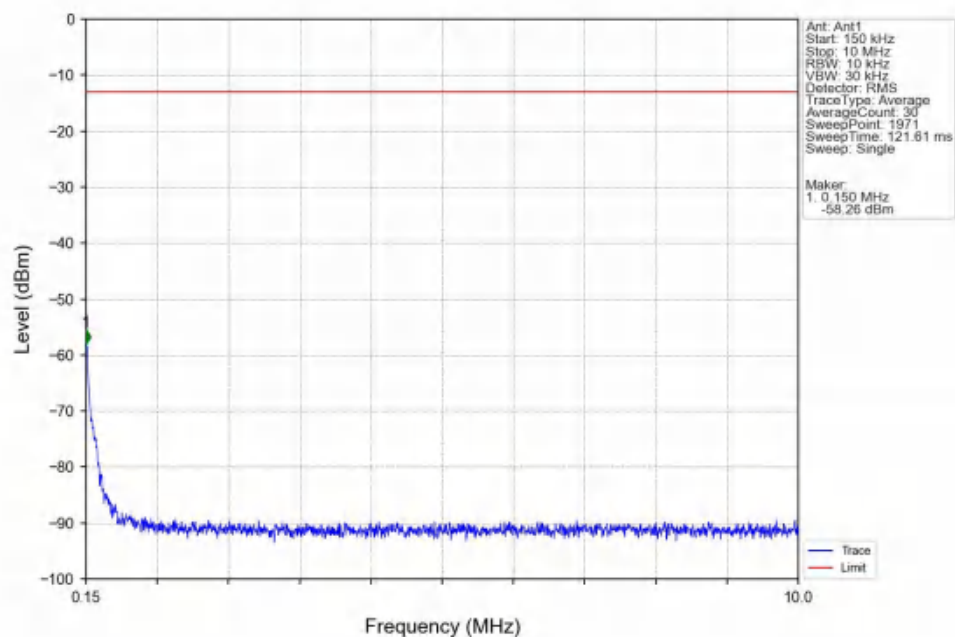




Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

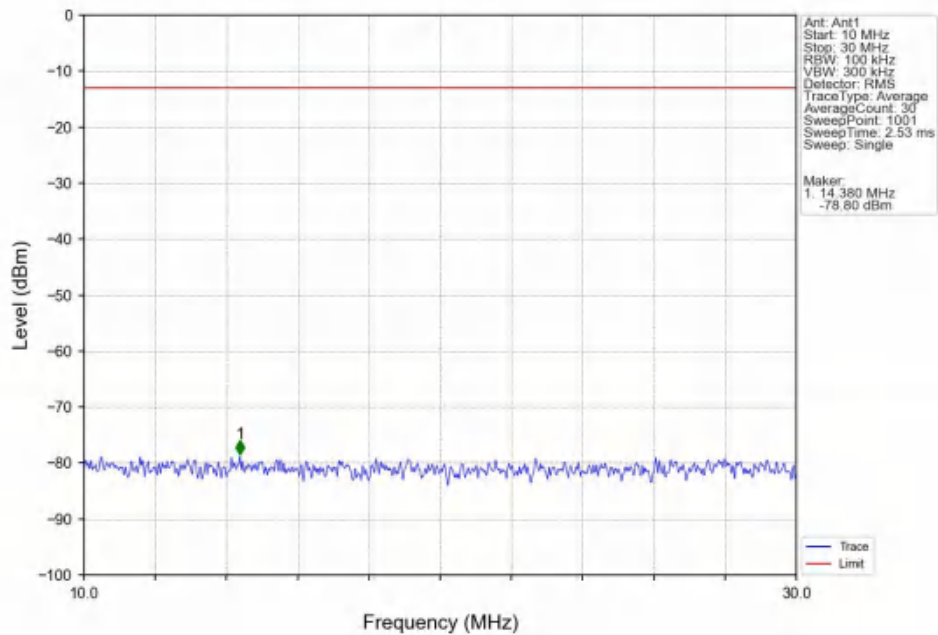


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

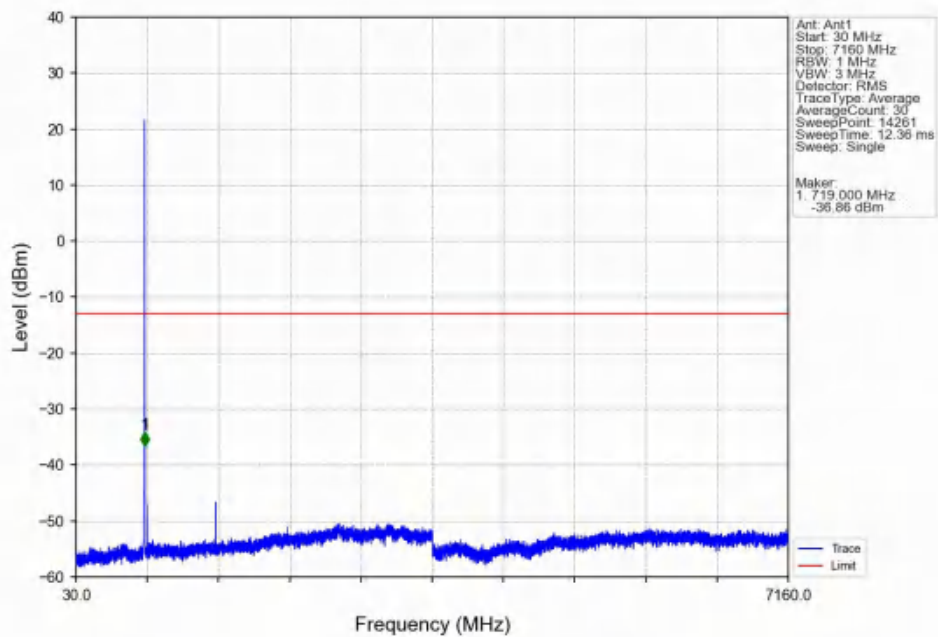




Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV

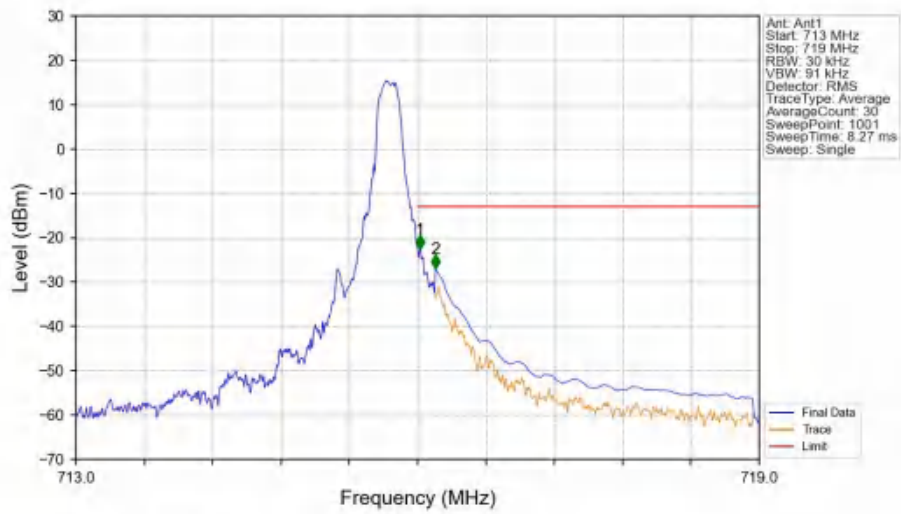


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_0_NTNV



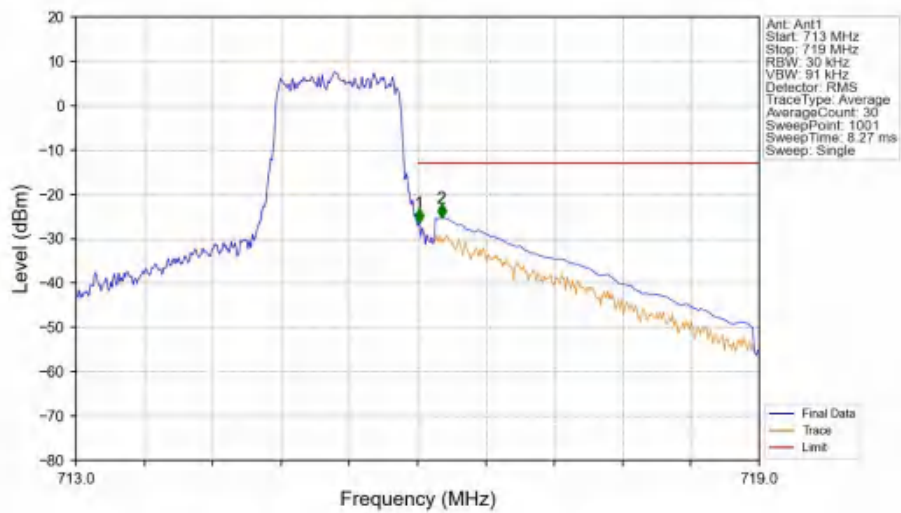


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.018	-22.54	-13	Pass
716.1	719	0.1	CHP	2	716.156	-27.03	-13	Pass

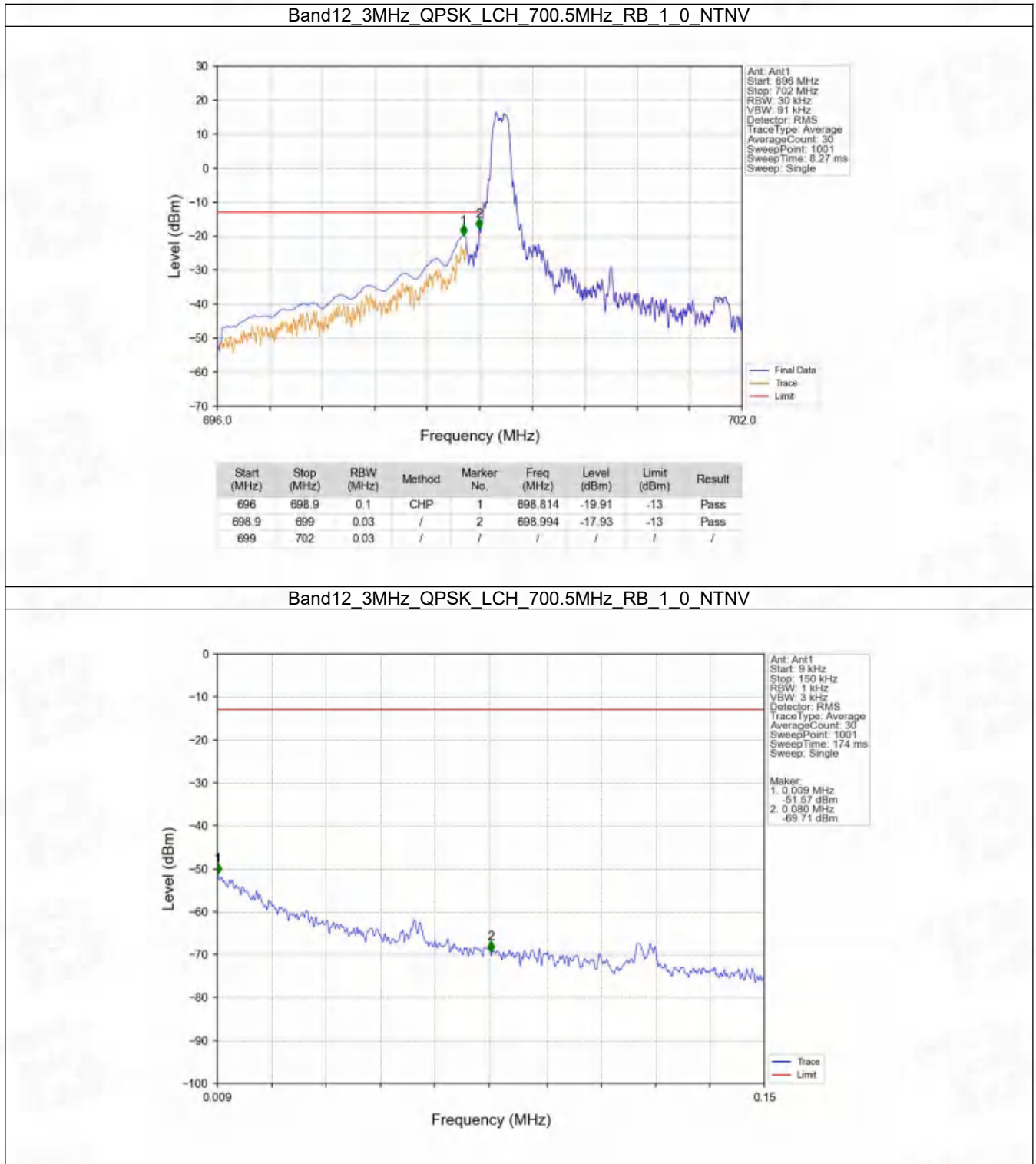
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-26.40	-13	Pass
716.1	719	0.1	CHP	2	716.210	-25.29	-13	Pass

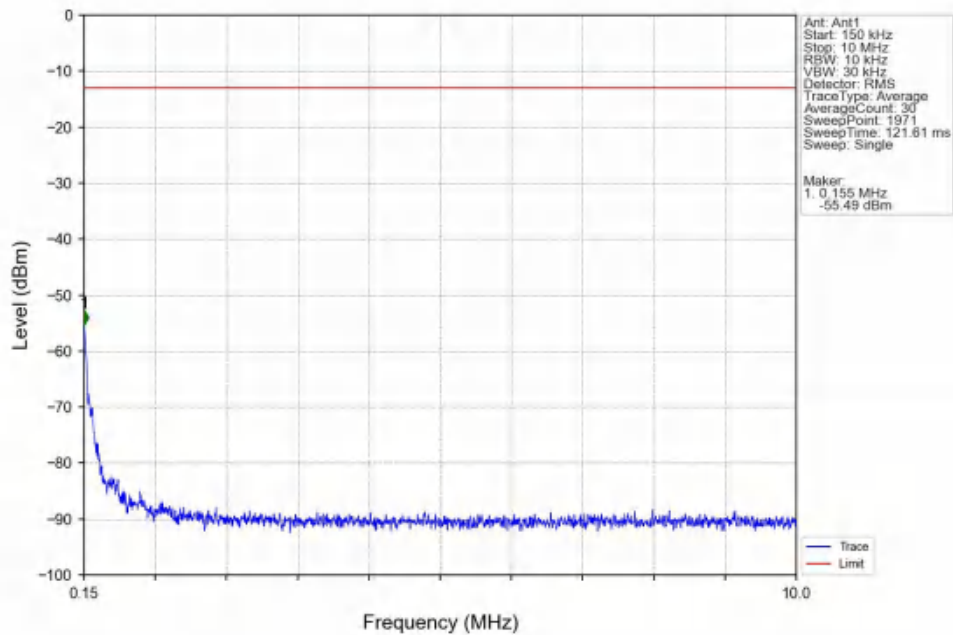


6.2.2 B12_3MHz

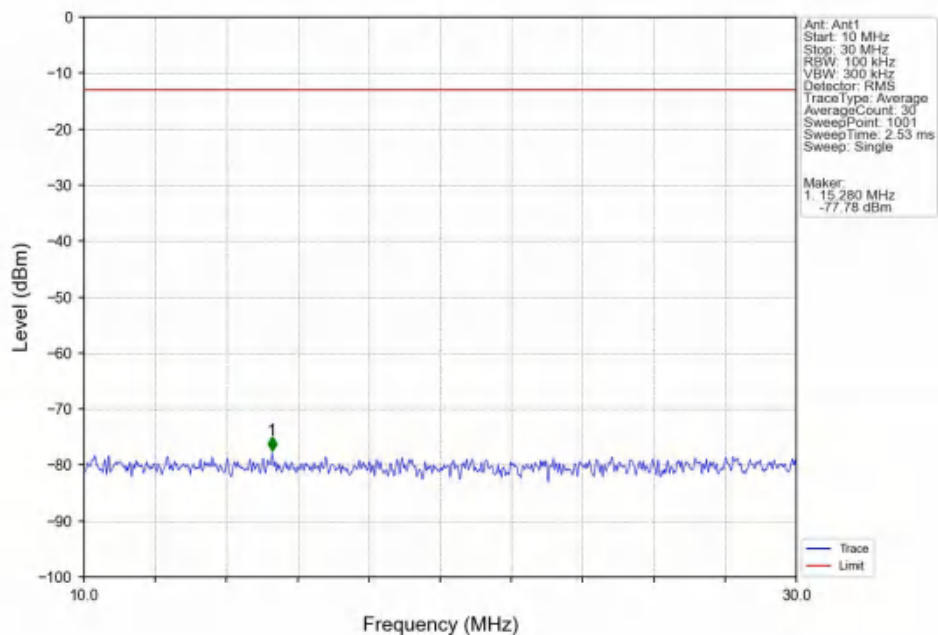




Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

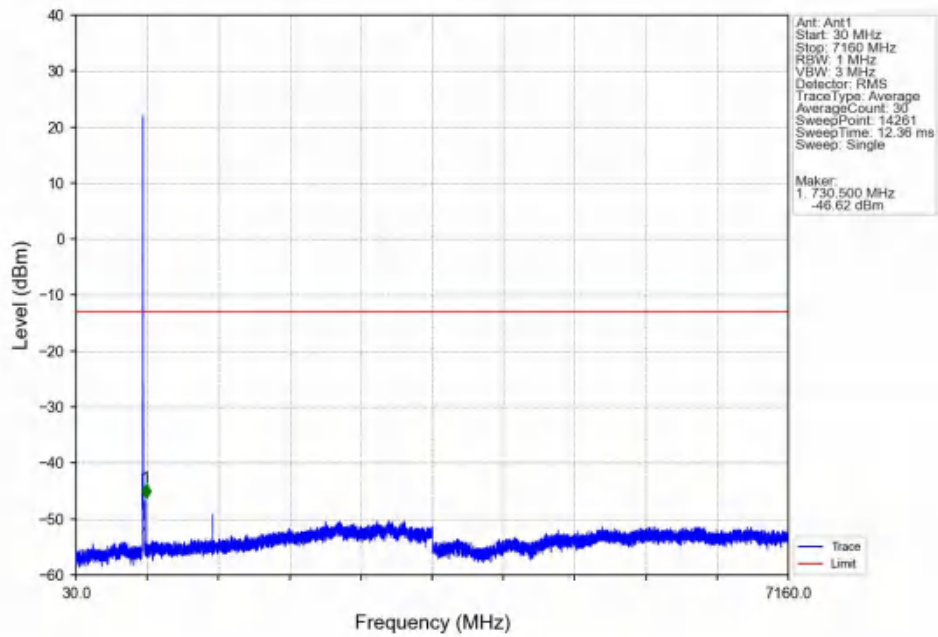


Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV

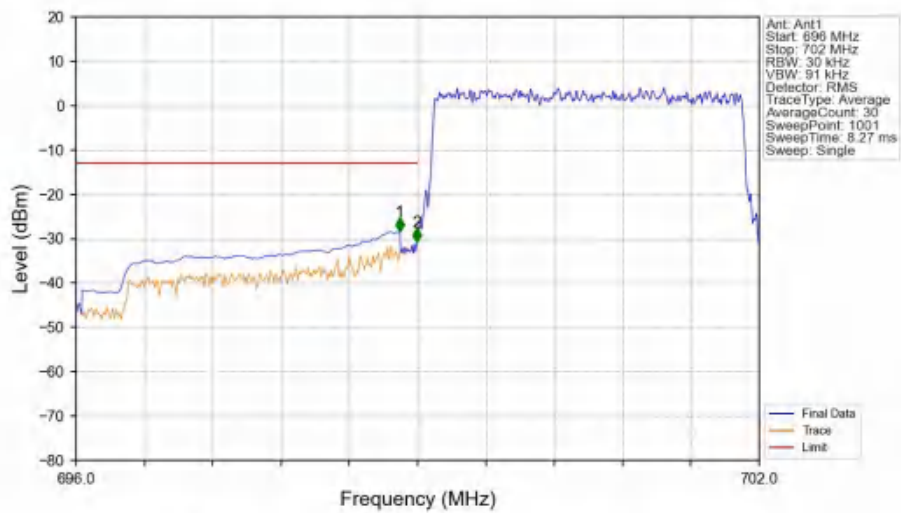




Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



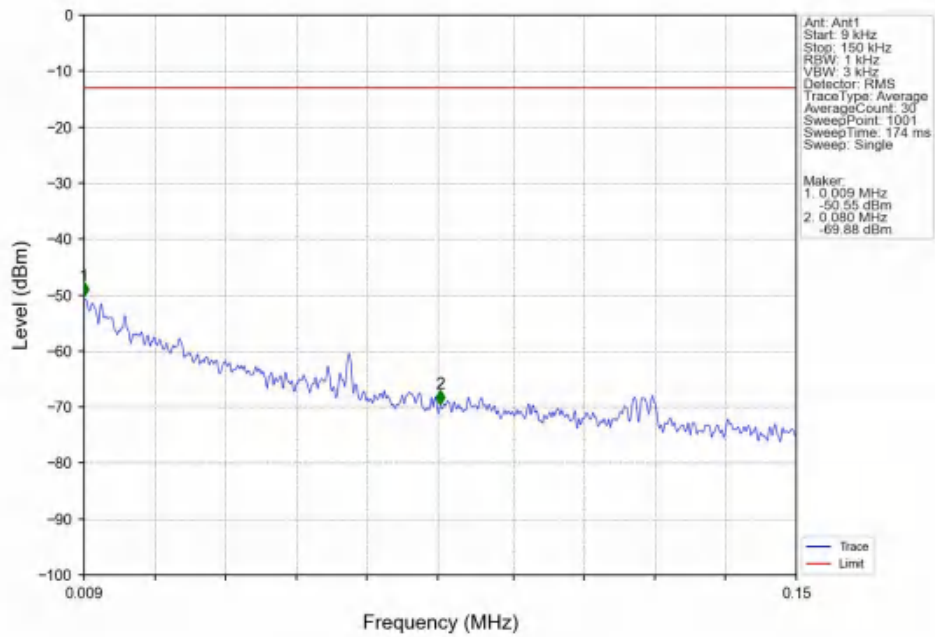
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



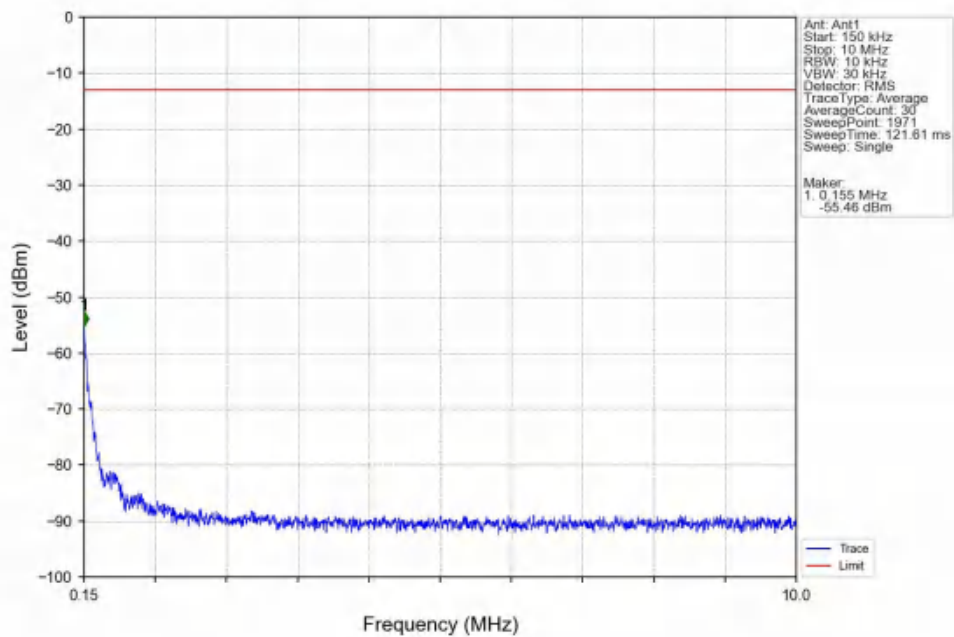
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	696.9	0.1	CHP	1	698.844	-28.33	-13	Pass
696.9	699	0.03	/	2	698.994	-30.77	-13	Pass
699	702	0.03	/	/	/	/	/	/



Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

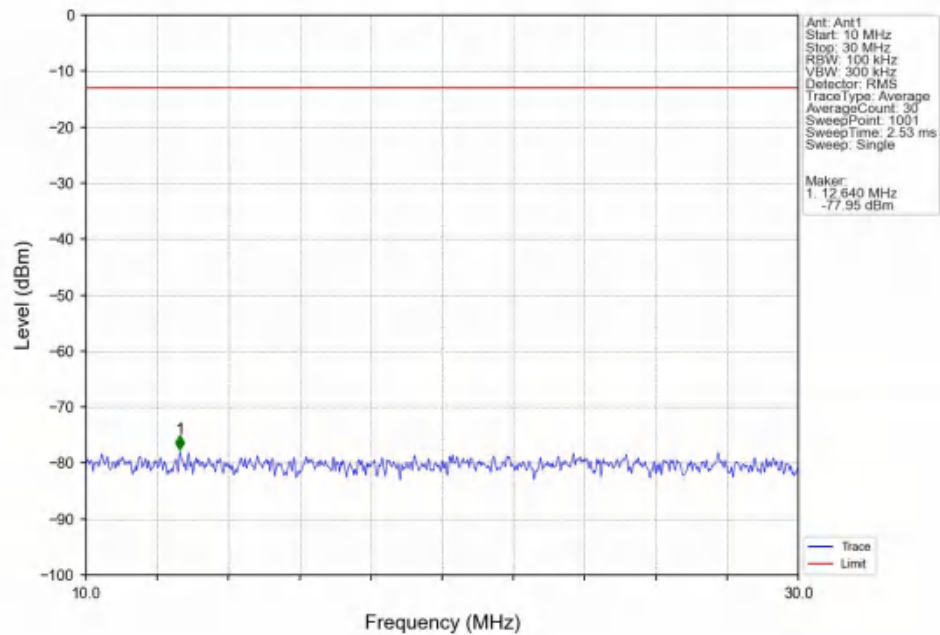


Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

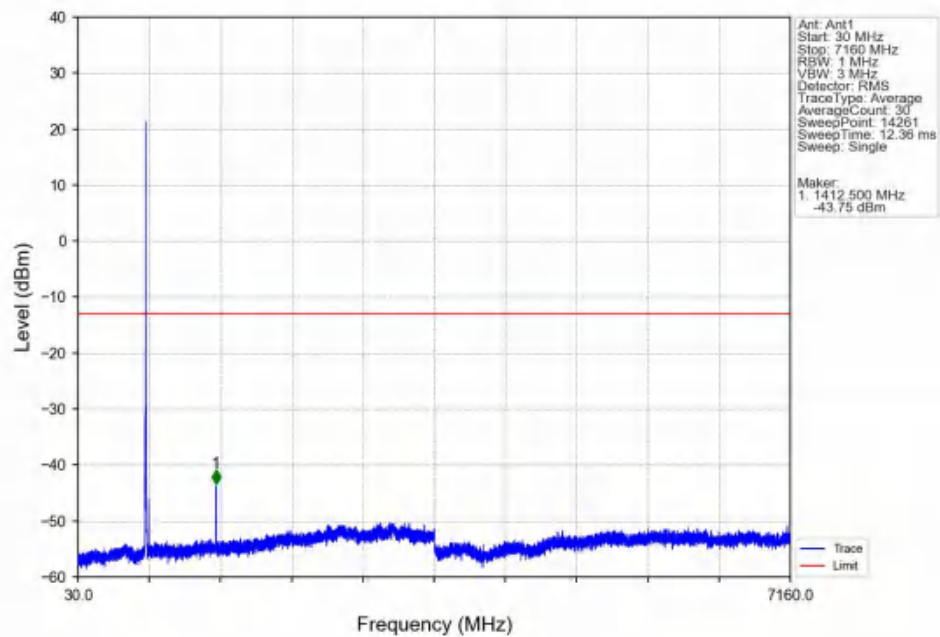




Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

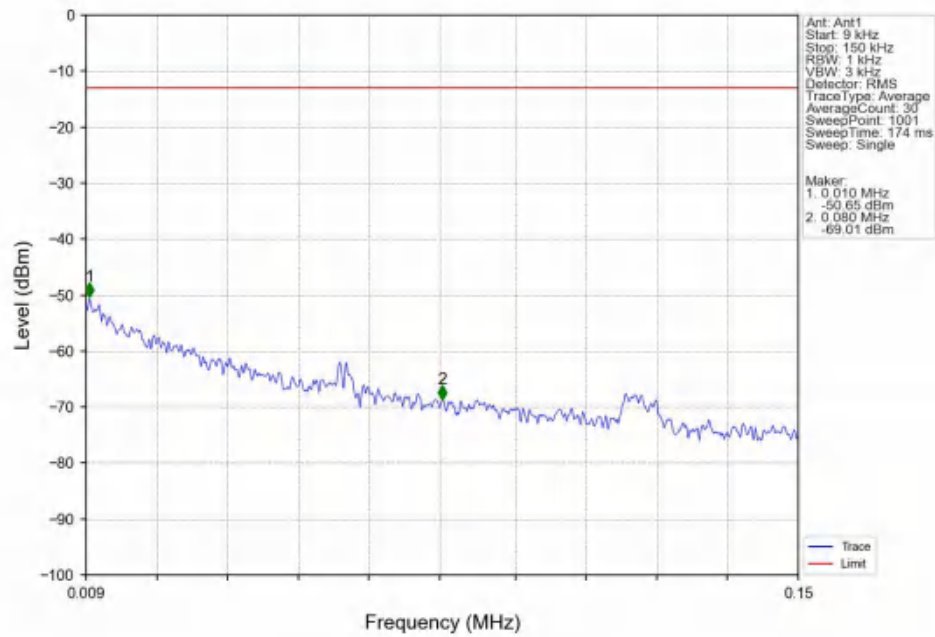


Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

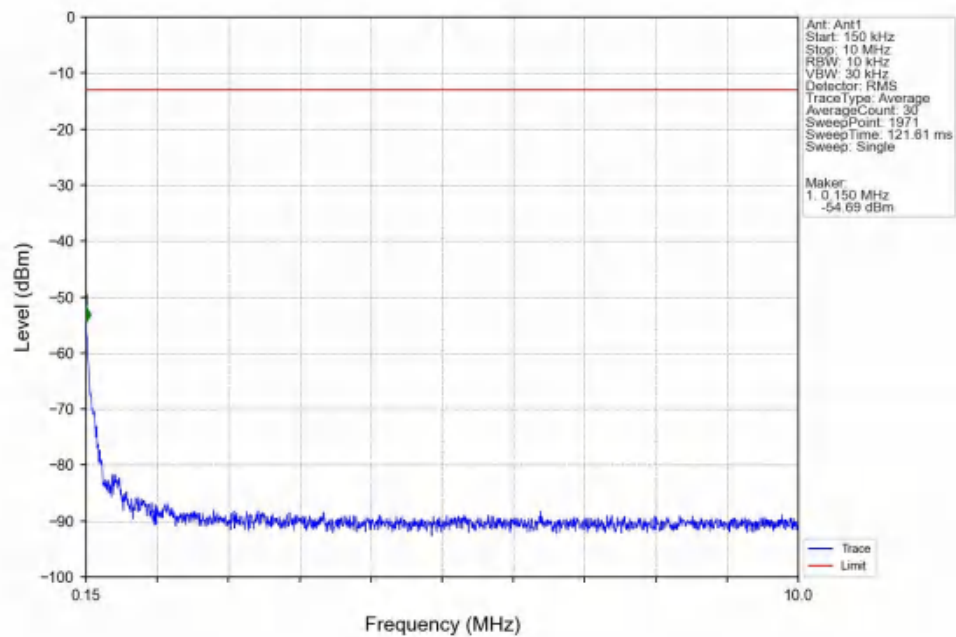




Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

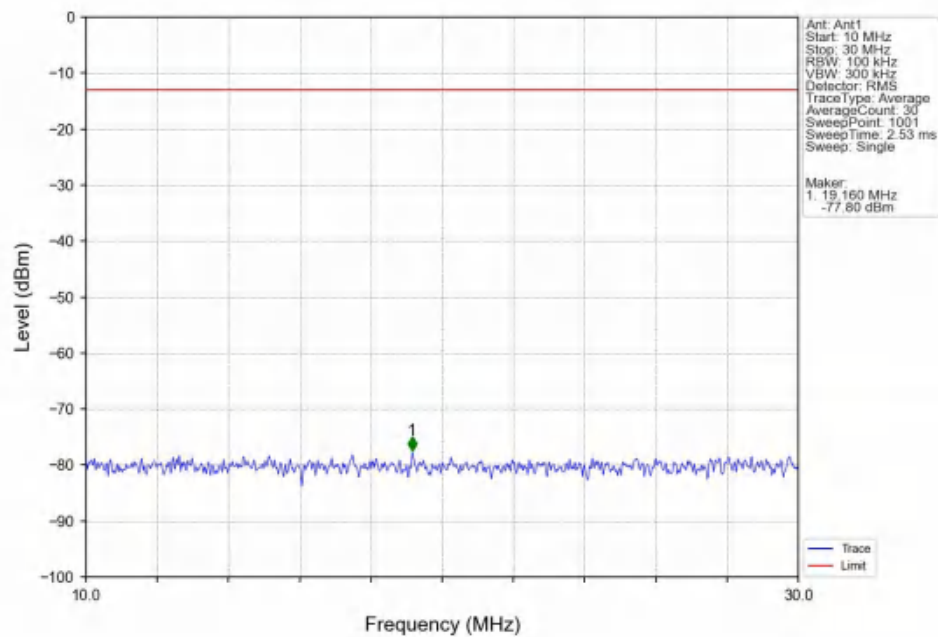


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

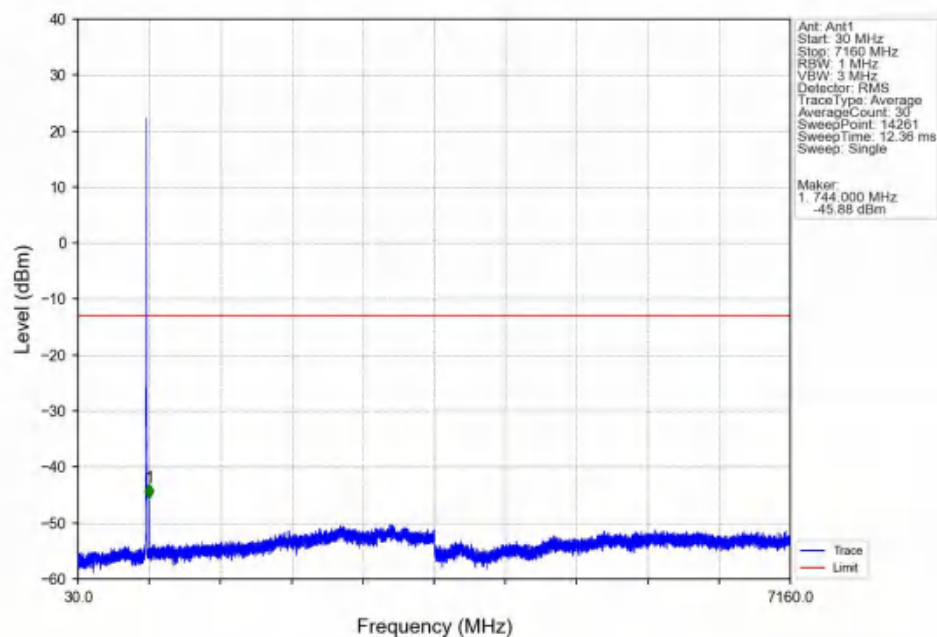




Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV

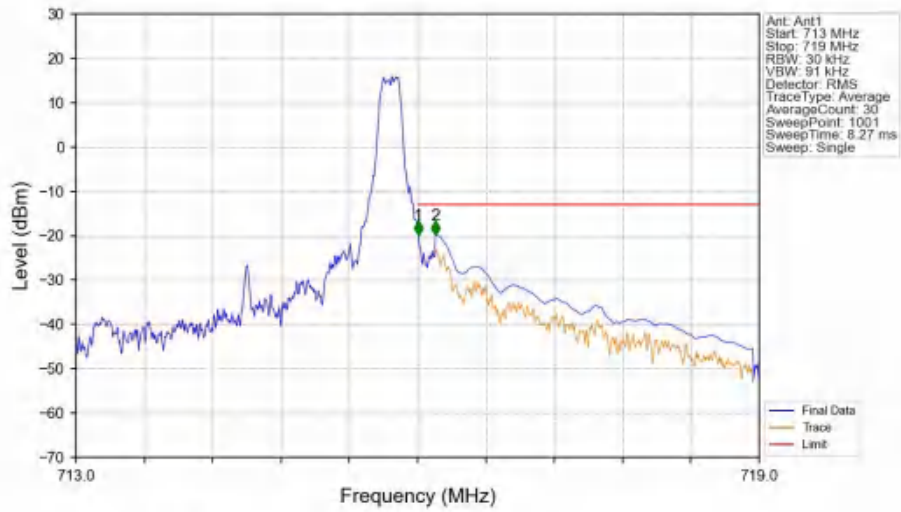


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_0_NTNV



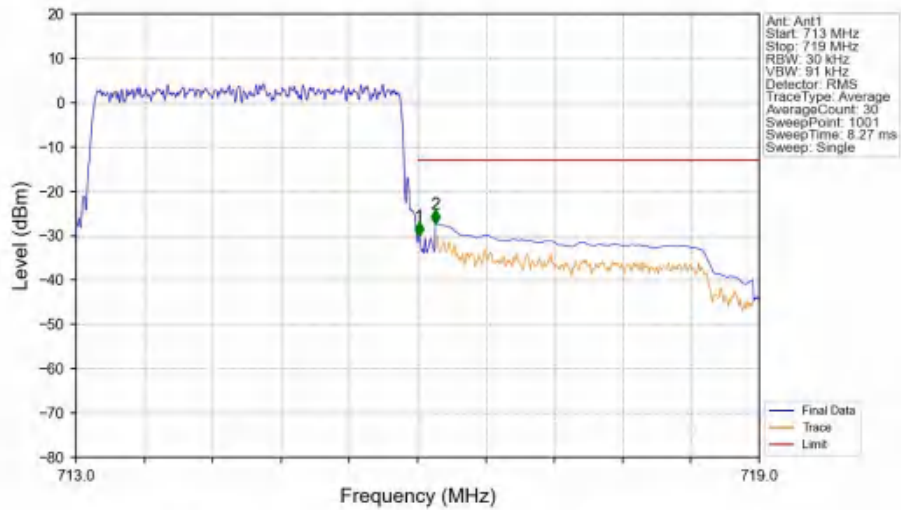


Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-19.89	-13	Pass
716.1	719	0.1	CHP	2	716.156	-19.91	-13	Pass

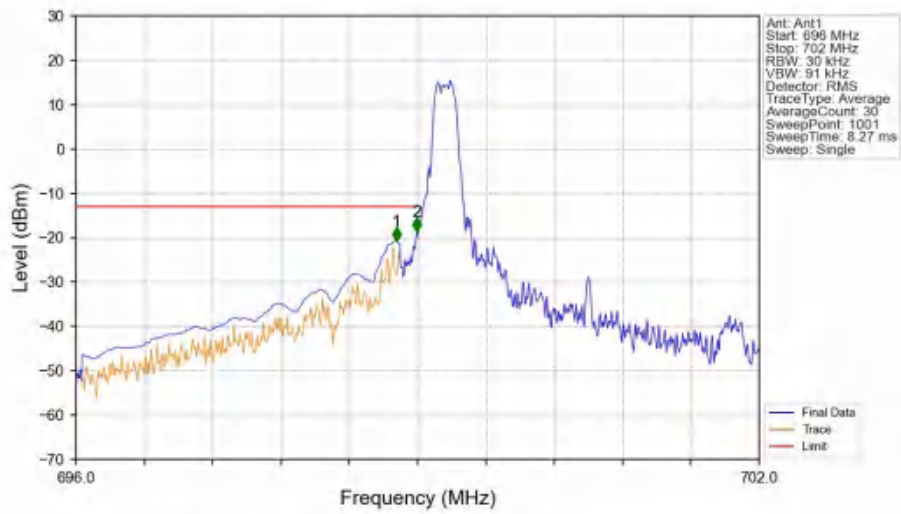
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-30.10	-13	Pass
716.1	719	0.1	CHP	2	716.156	-27.35	-13	Pass

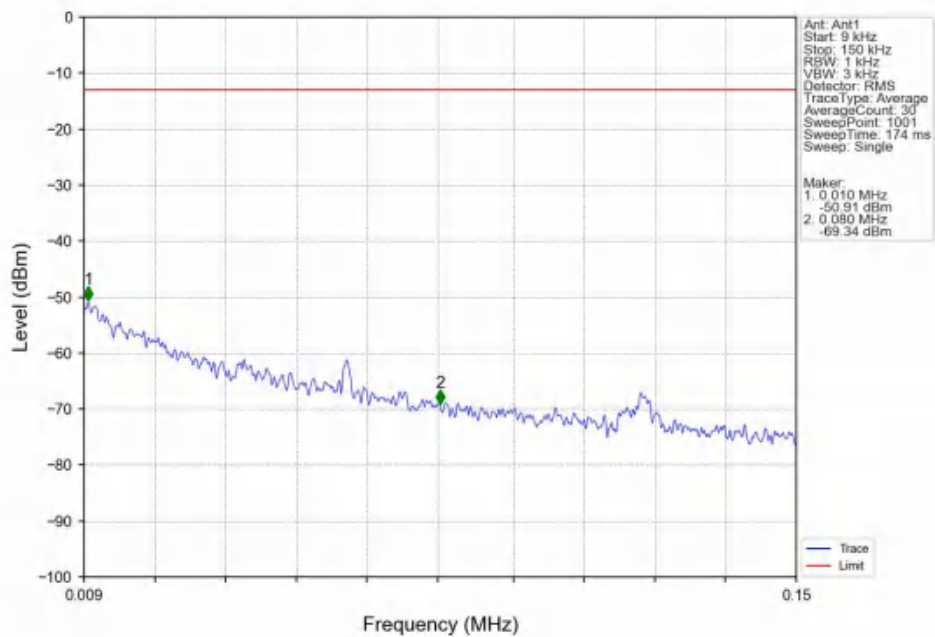


Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



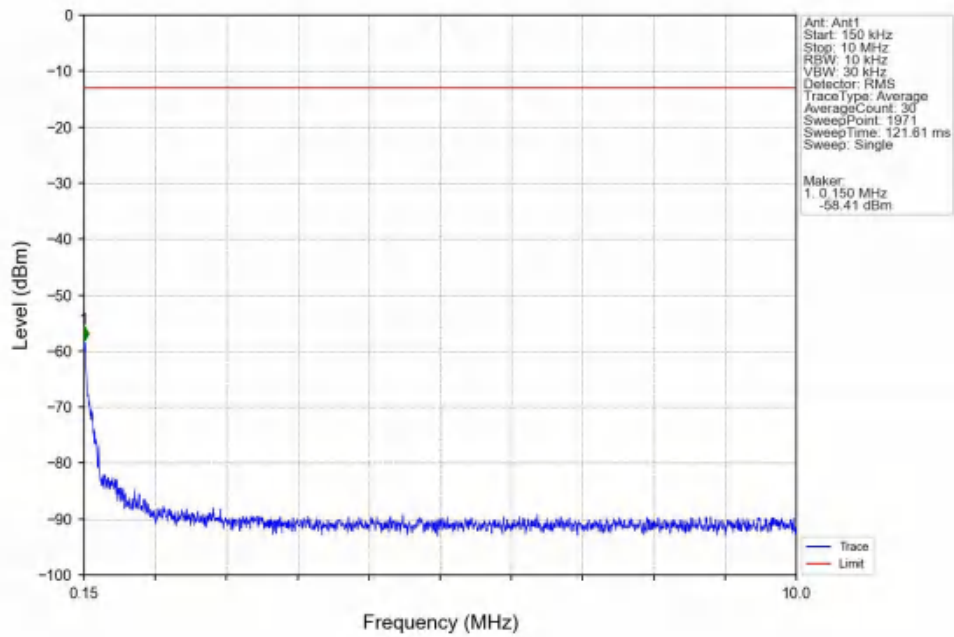
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.814	-20.75	-13	Pass
698.9	699	0.03	/	2	698.994	-18.53	-13	Pass
699	702	0.03	/	/	/	/	/	/

Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

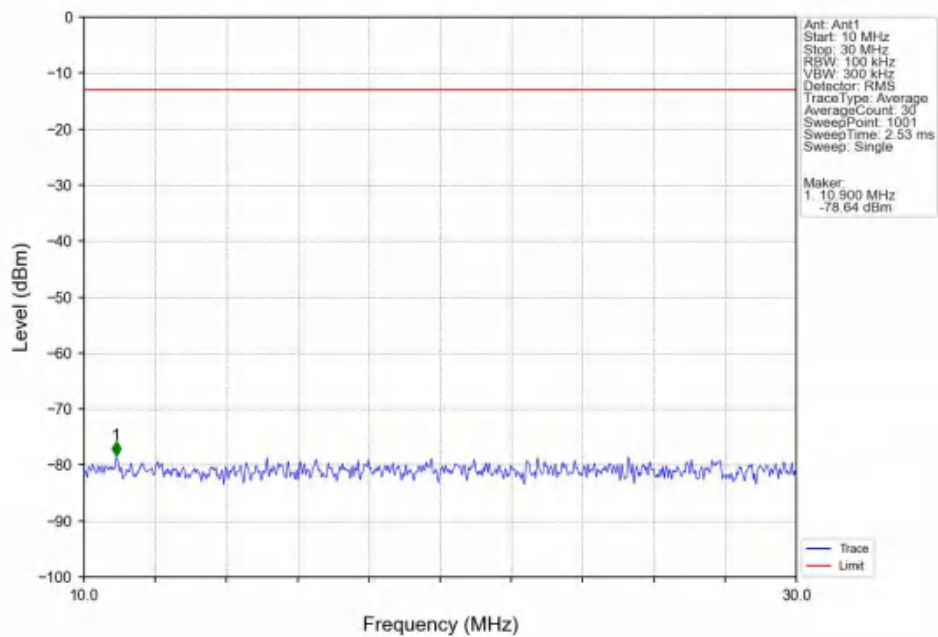




Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

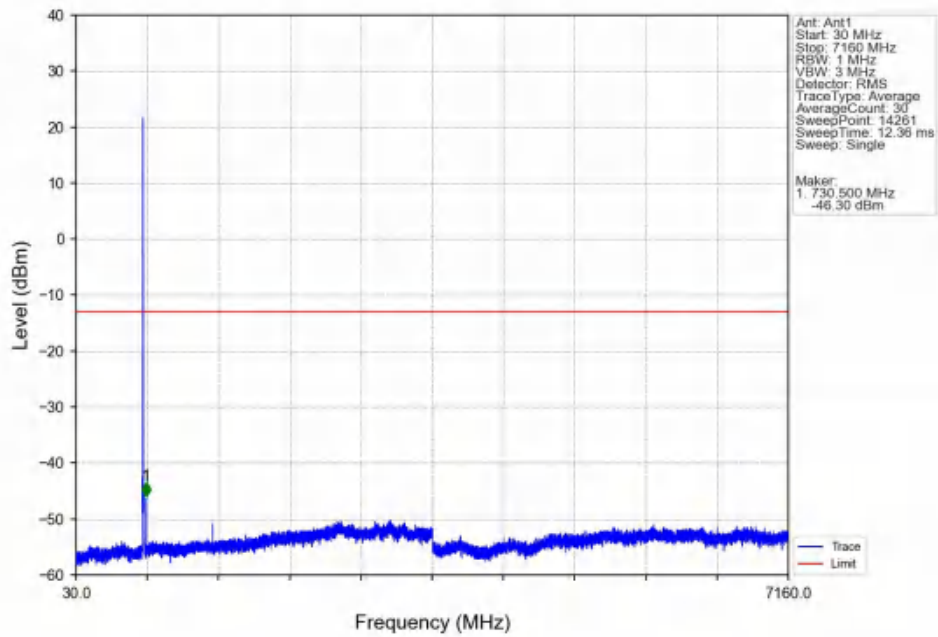


Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV

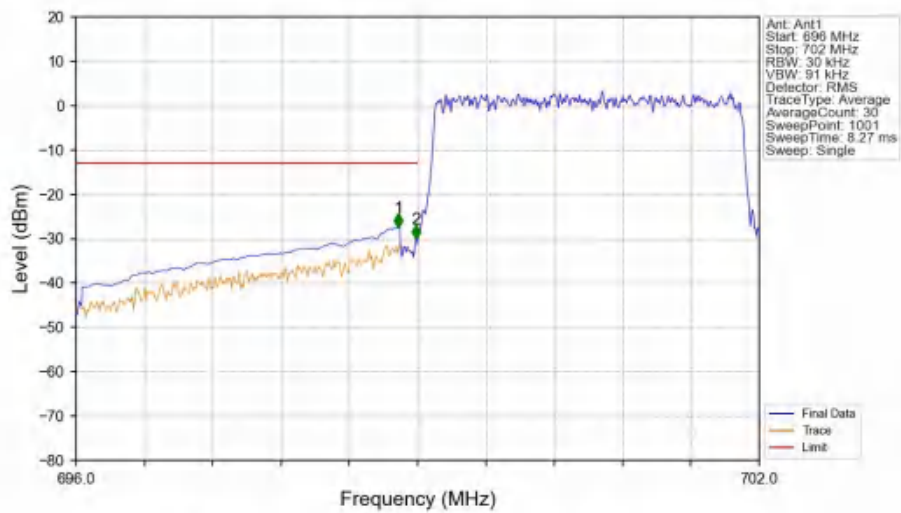




Band12_3MHz_16QAM_LCH_700.5MHz_RB_1_0_NTNV



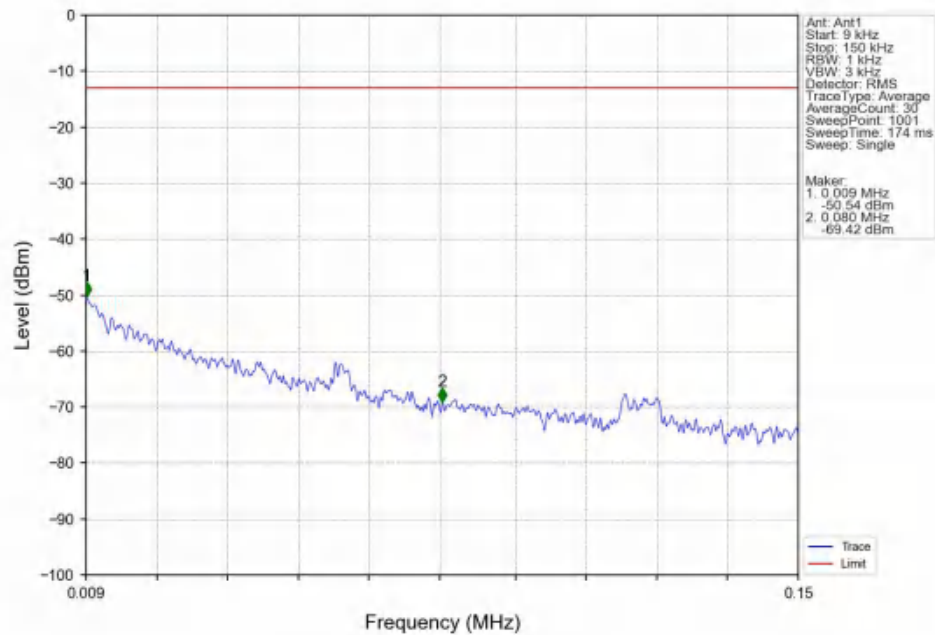
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



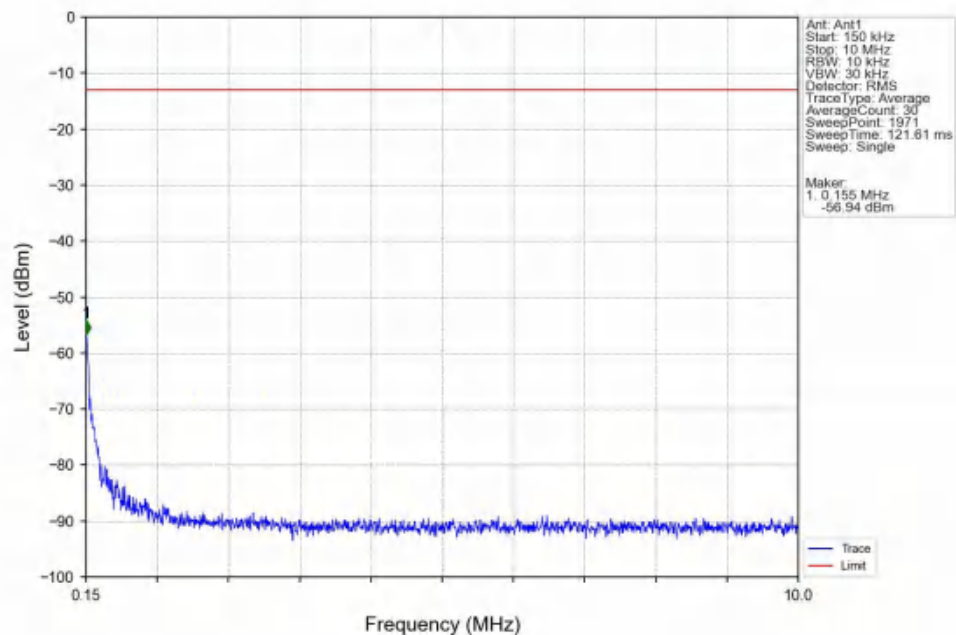
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	696.9	0.1	CHP	1	696.832	-27.53	-13	Pass
696.9	699	0.03	/	2	698.968	-30.08	-13	Pass
699	702	0.03	/	/	/	/	/	/



Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

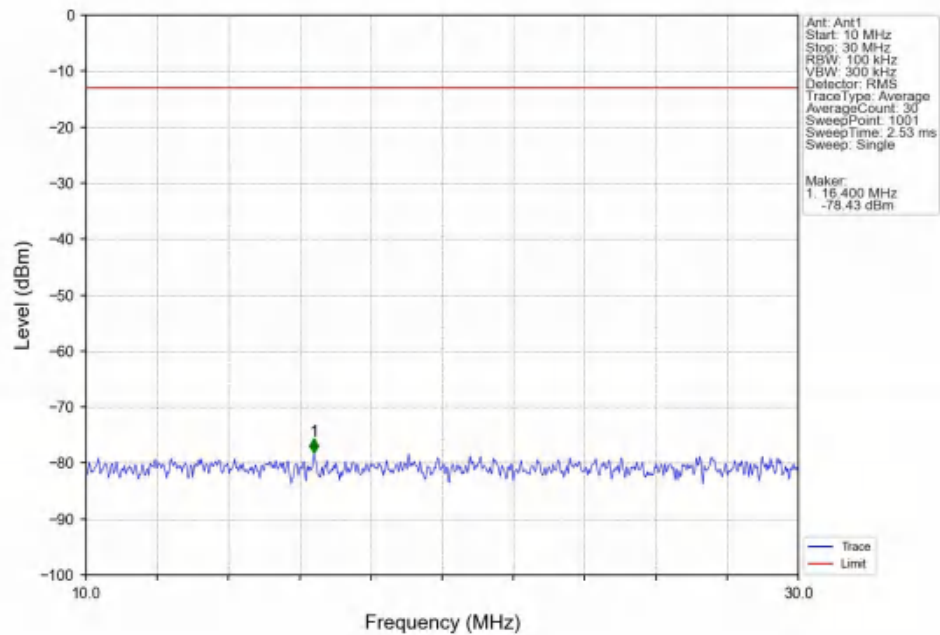


Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

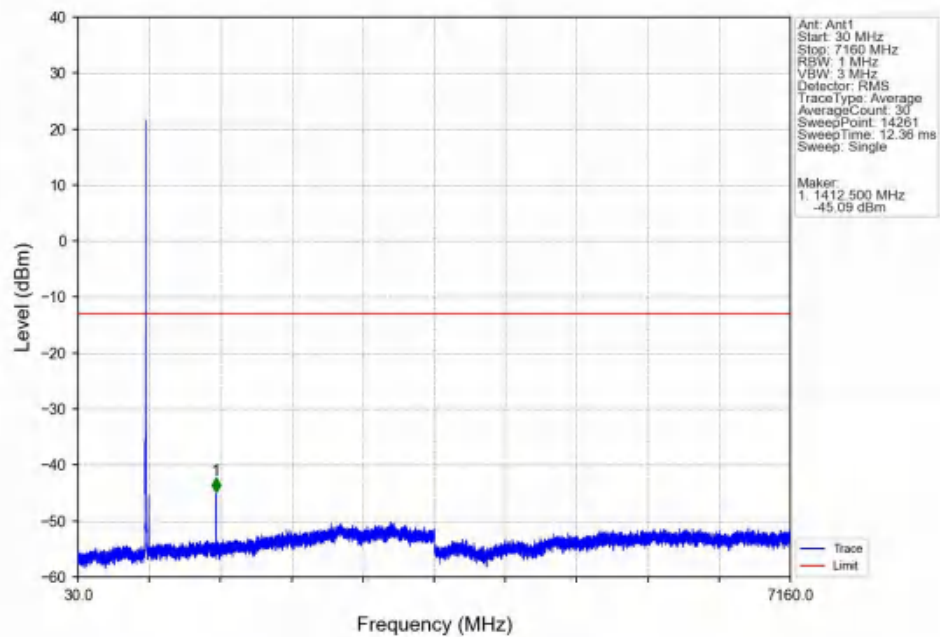




Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

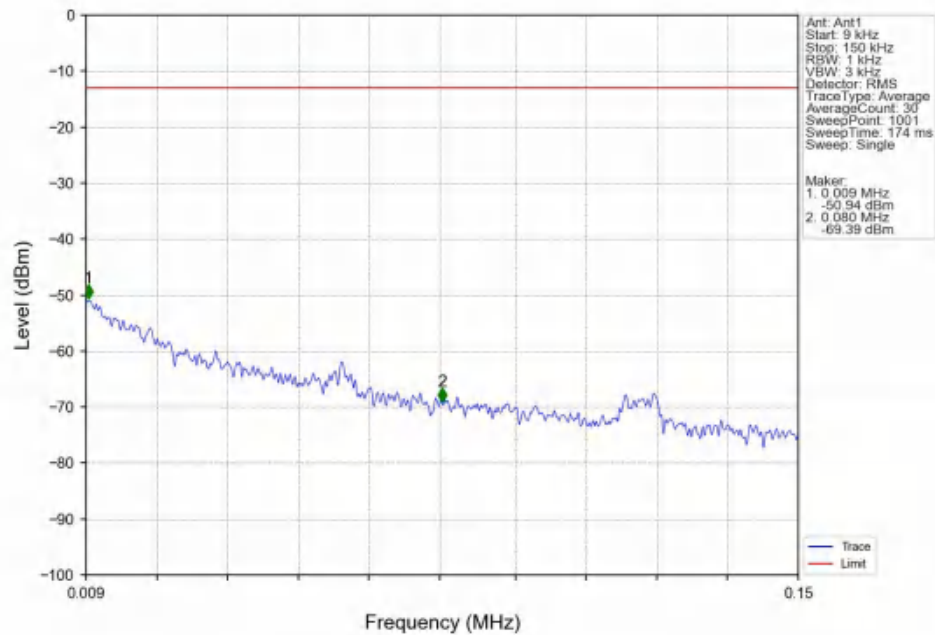


Band12_3MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

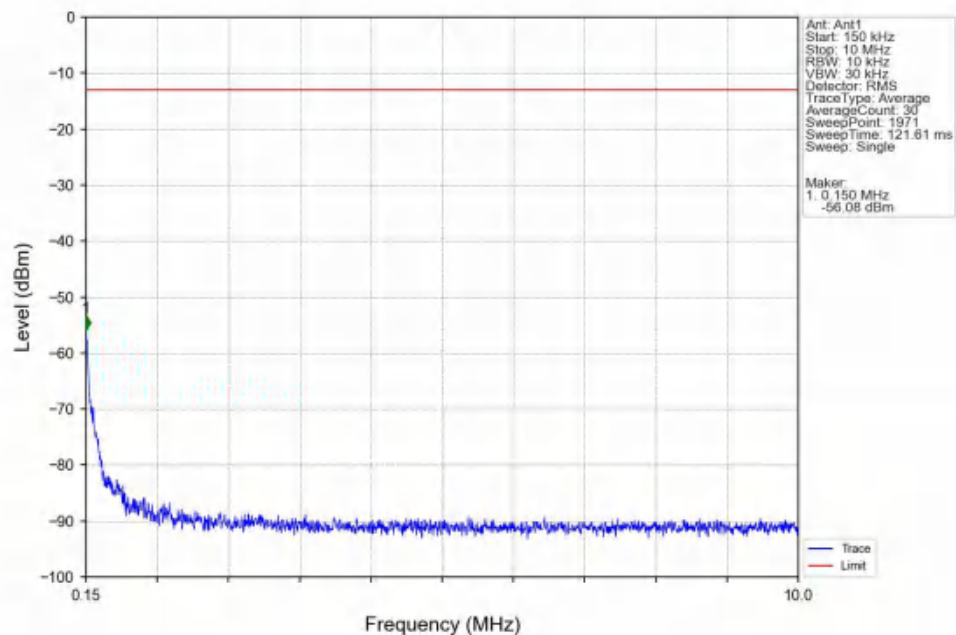




Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

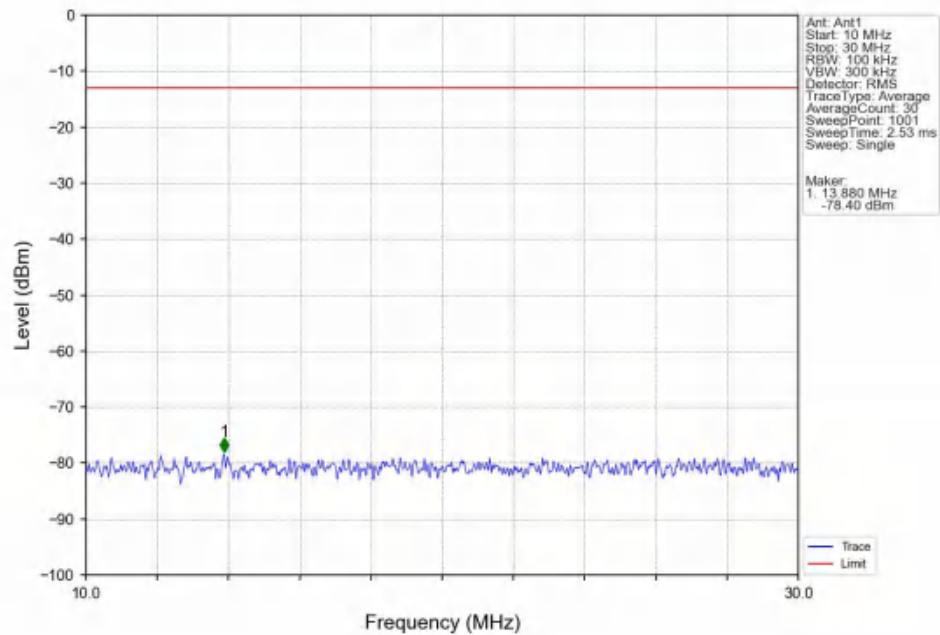


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

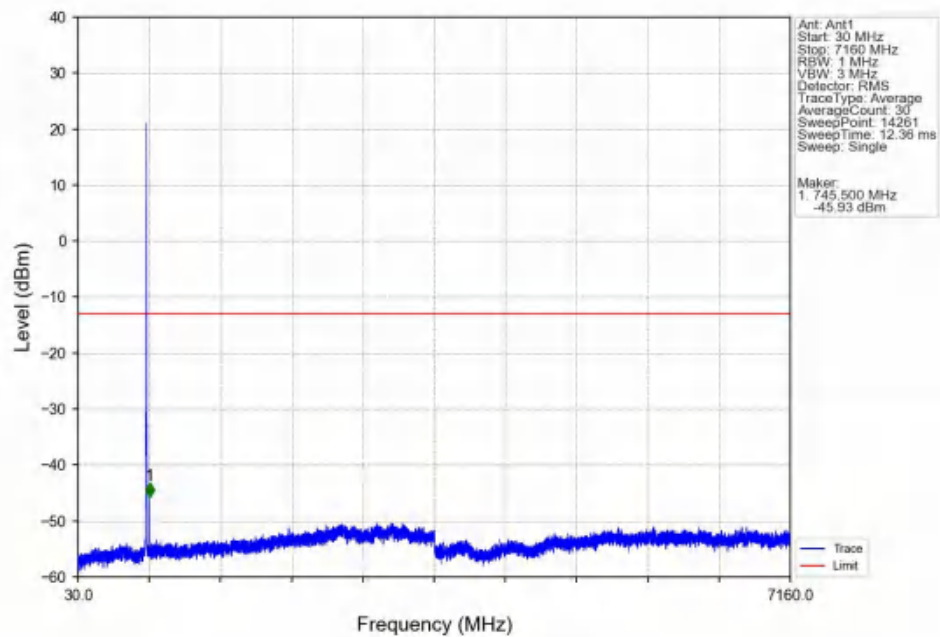




Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV

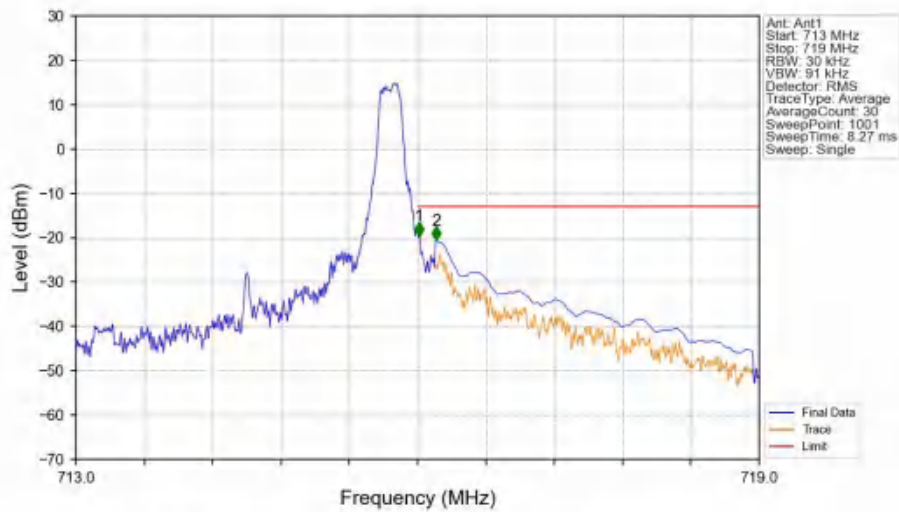


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_0_NTNV



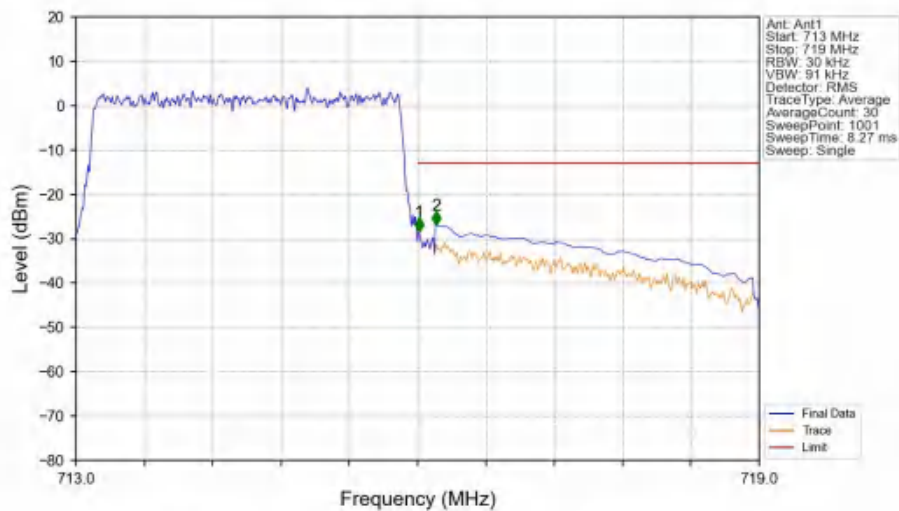


Band12_3MHz_16QAM_HCH_714.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-19.58	-13	Pass
716.1	719	0.1	CHP	2	716.162	-20.65	-13	Pass

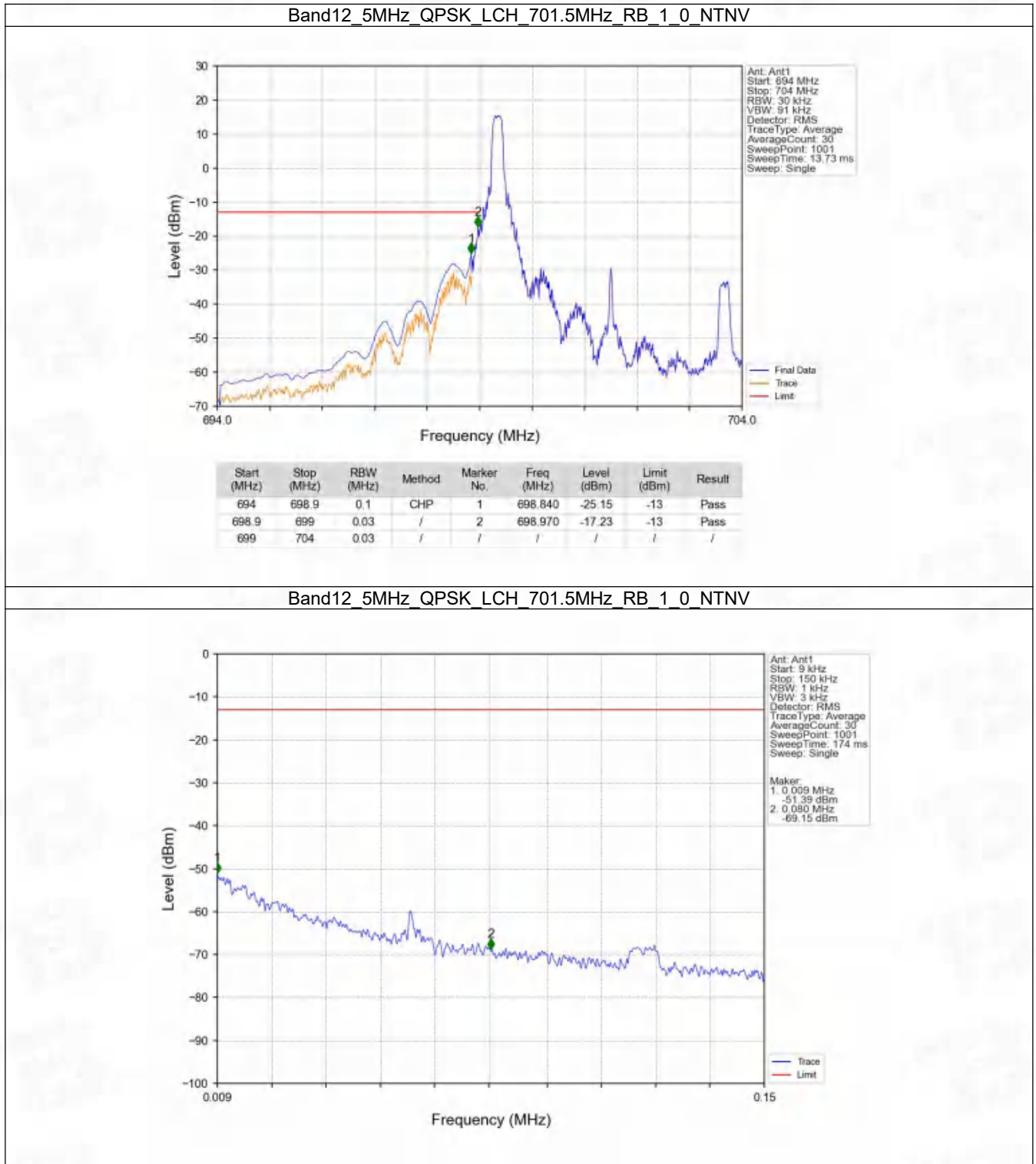
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.012	-28.35	-13	Pass
716.1	719	0.1	CHP	2	716.162	-26.95	-13	Pass

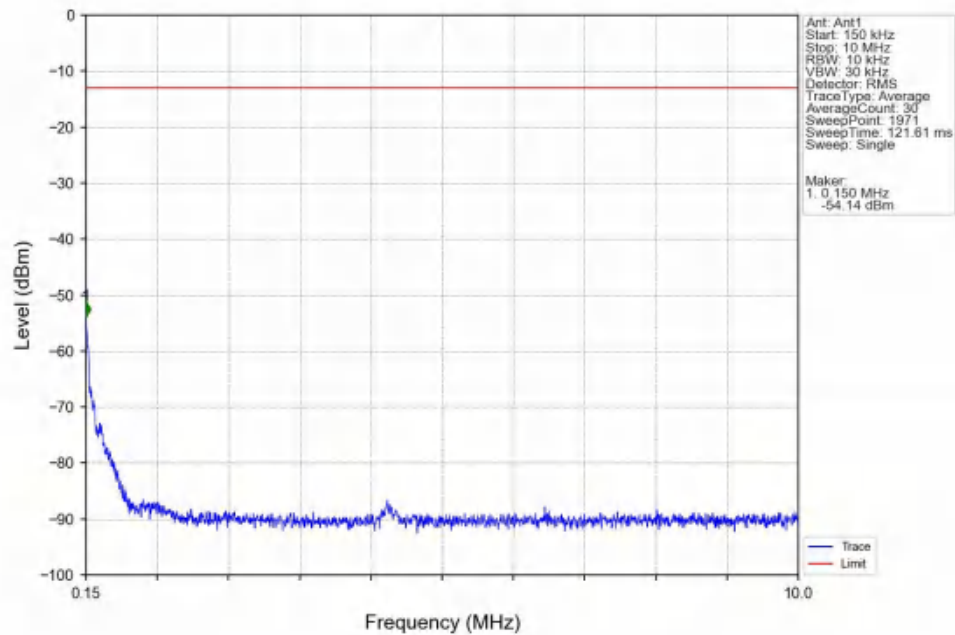


6.2.3 B12_5MHz

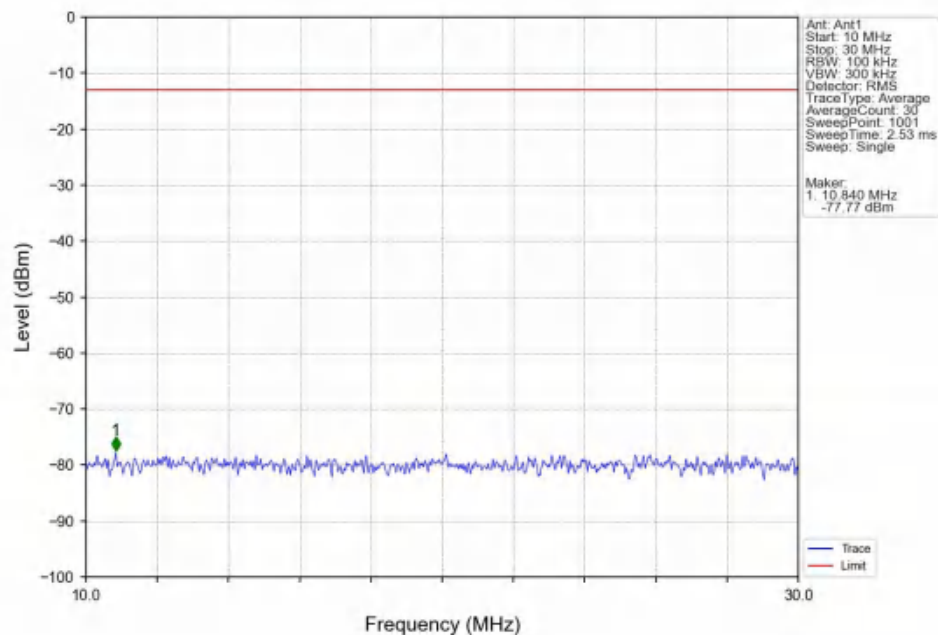




Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

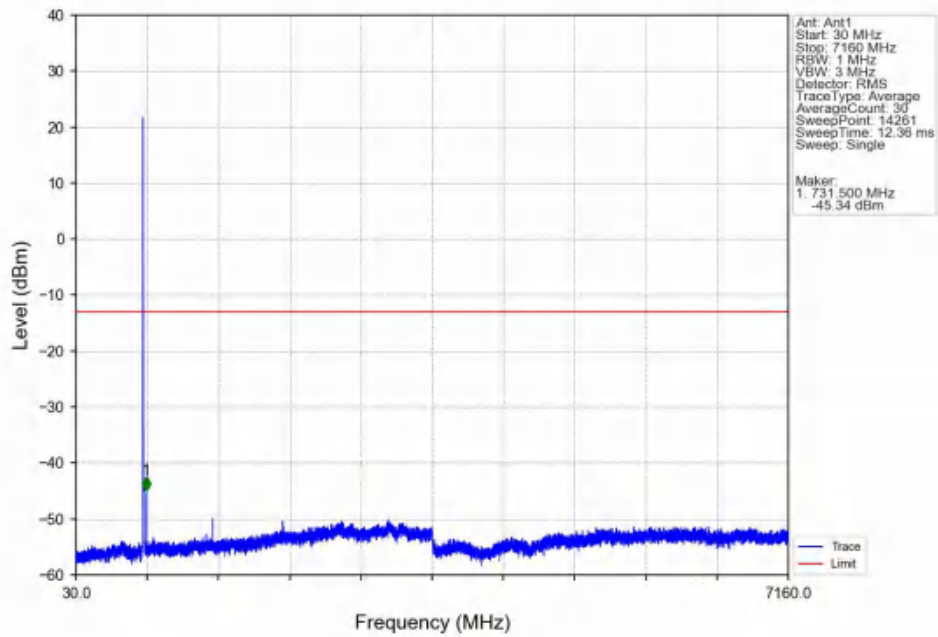


Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV

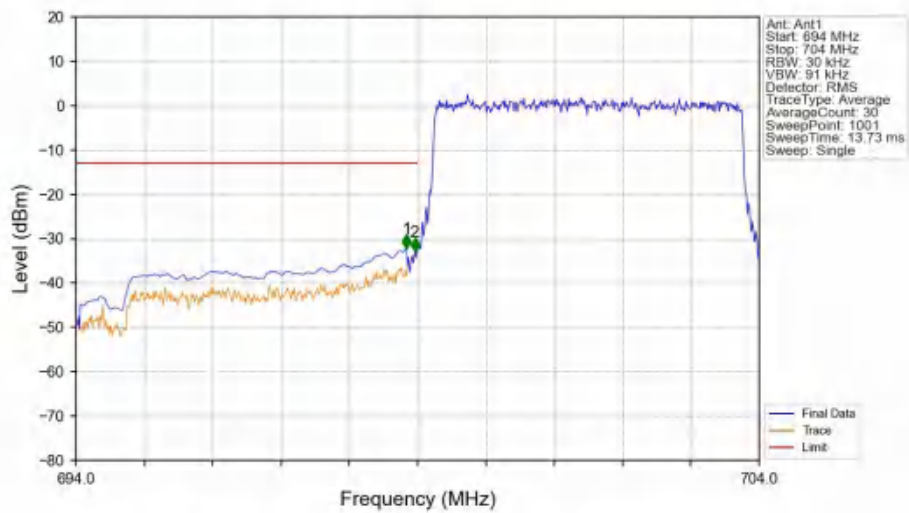




Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



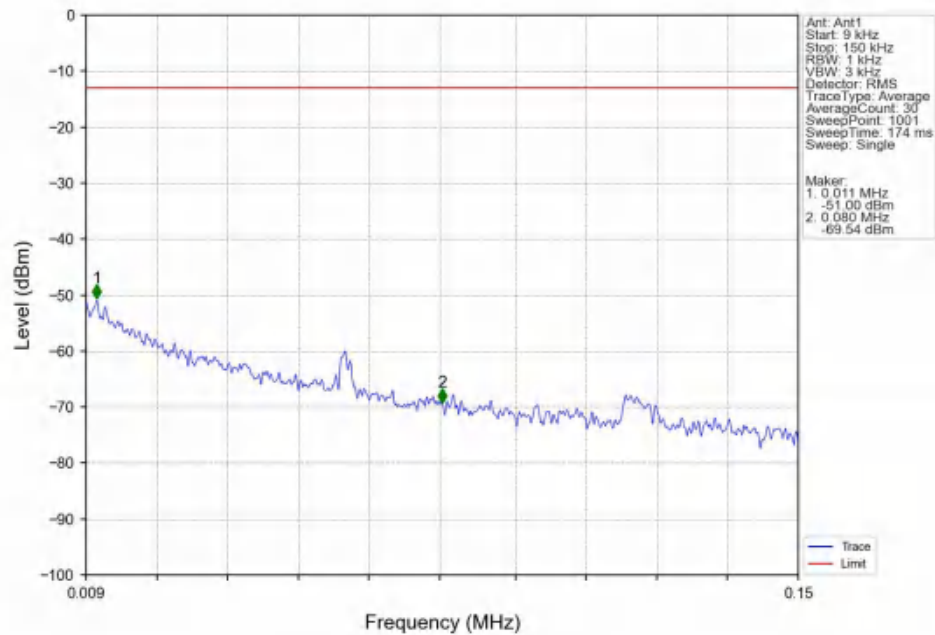
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



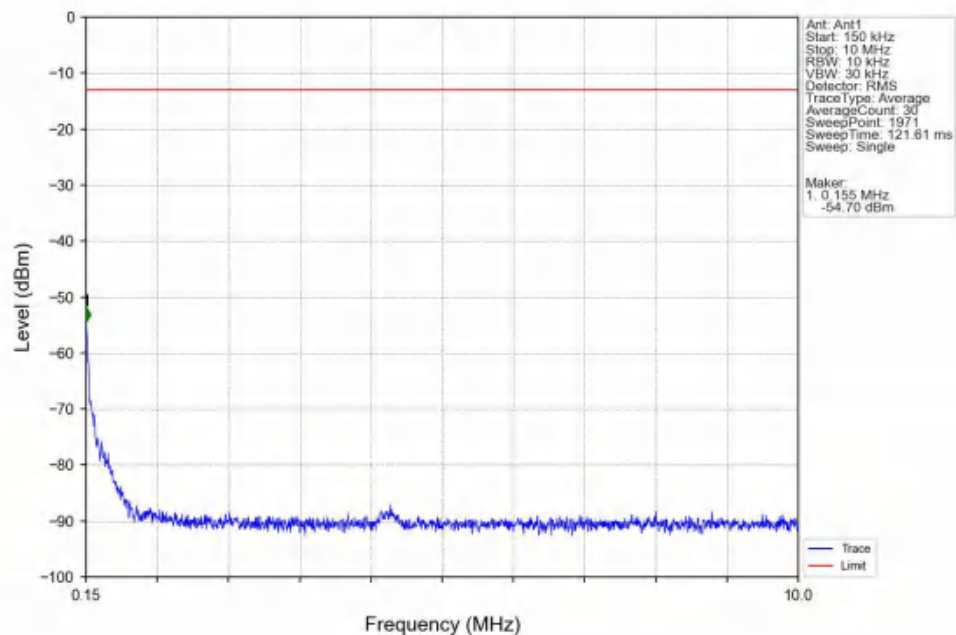
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-32.21	-13	Pass
698.9	699	0.03	/	2	698.960	-33.00	-13	Pass
699	704	0.03	/	/	/	/	/	/



Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

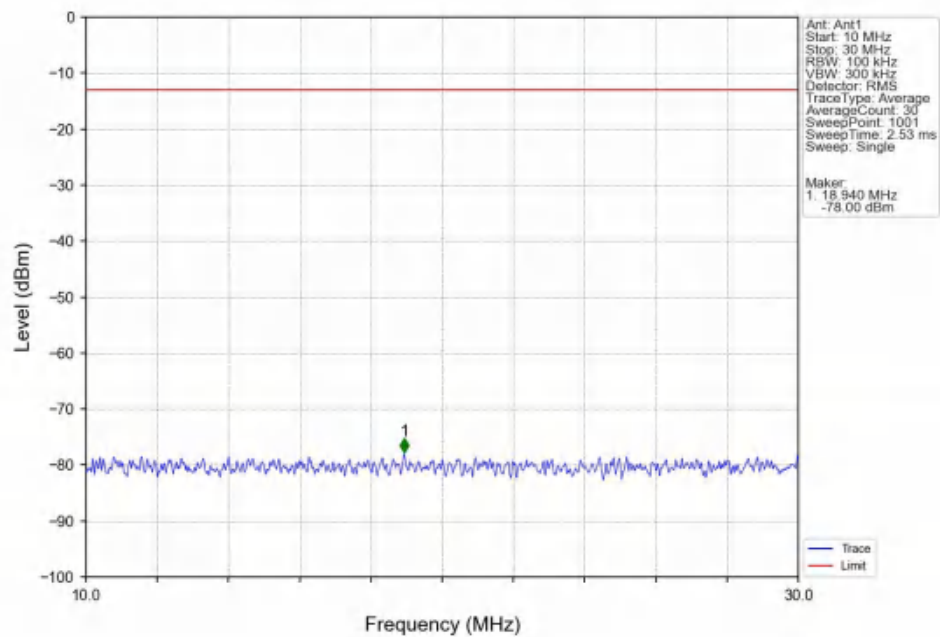


Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

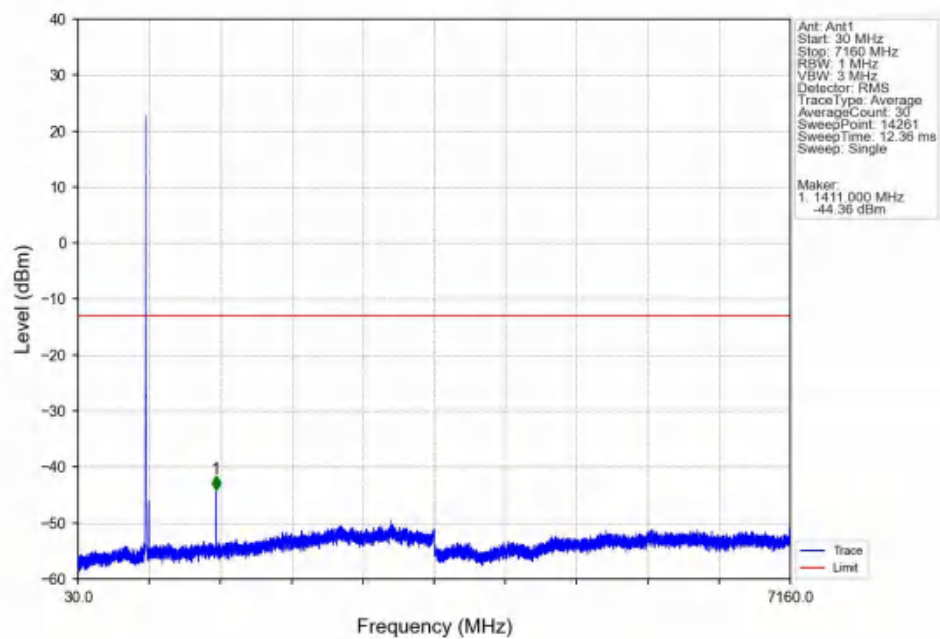




Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

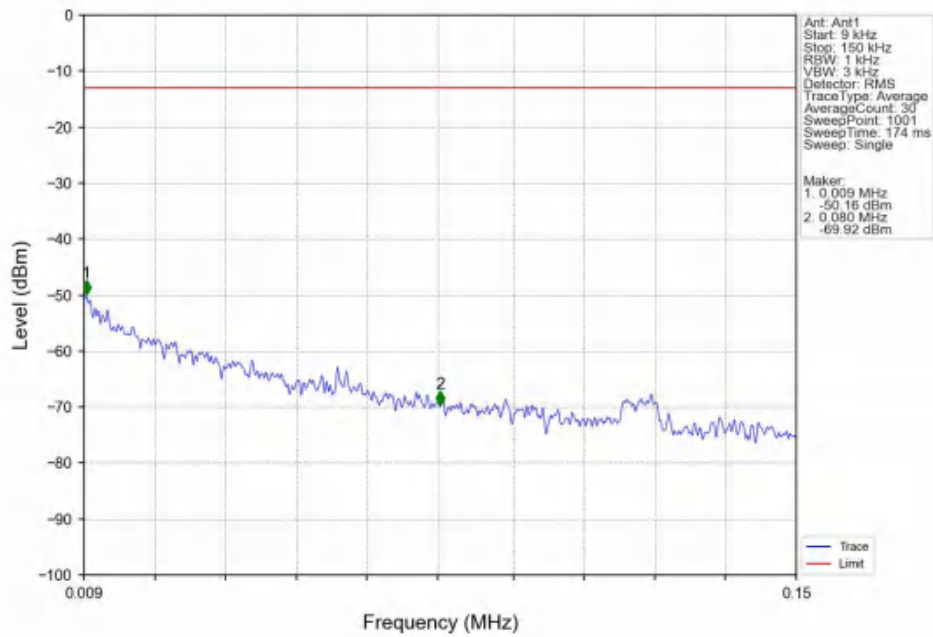


Band12_5MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

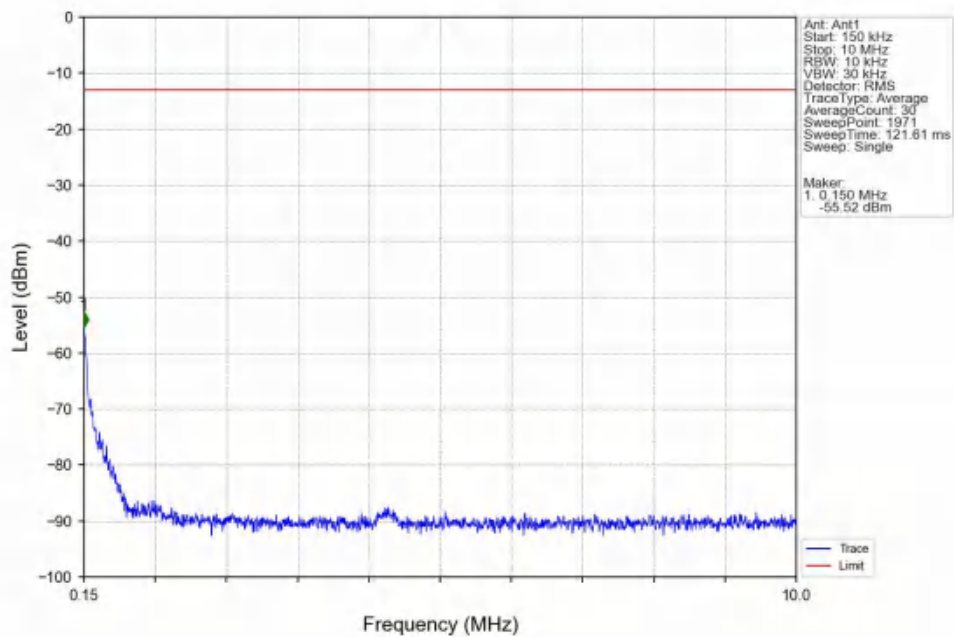




Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

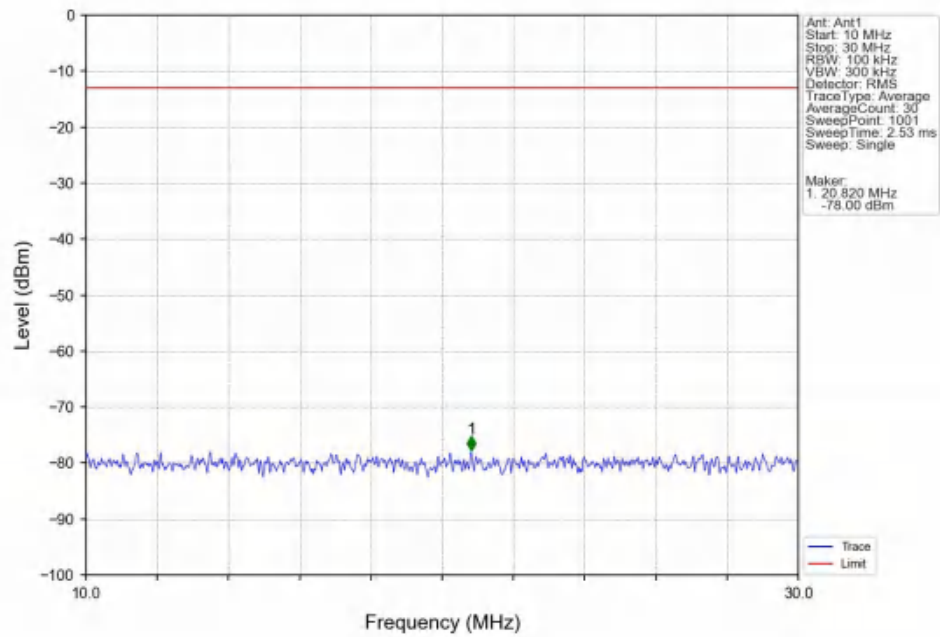


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

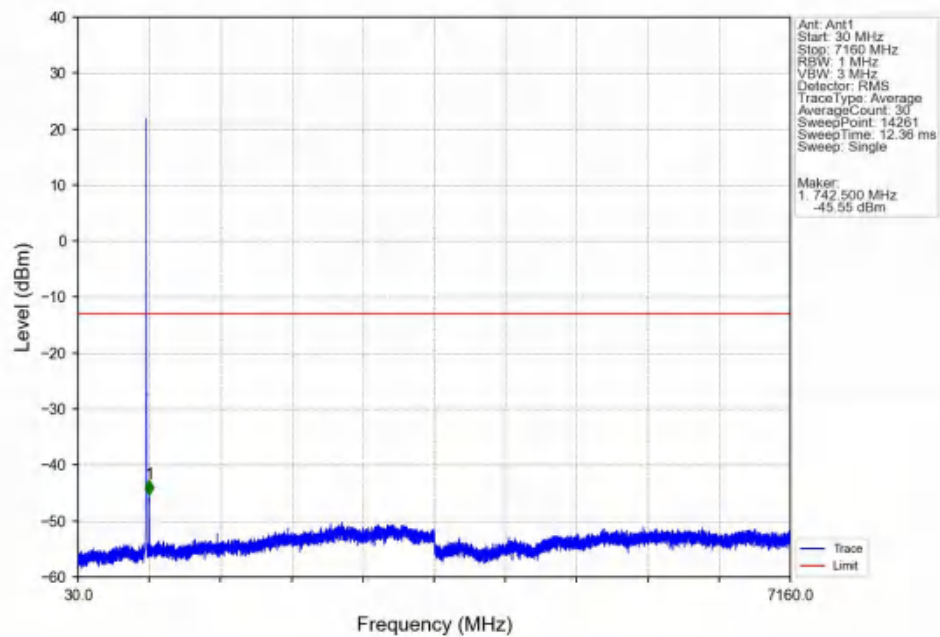




Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

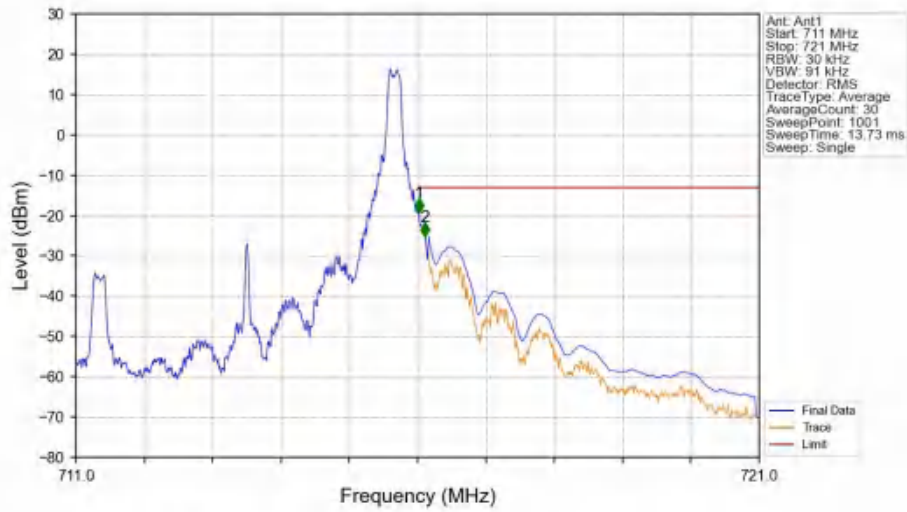


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



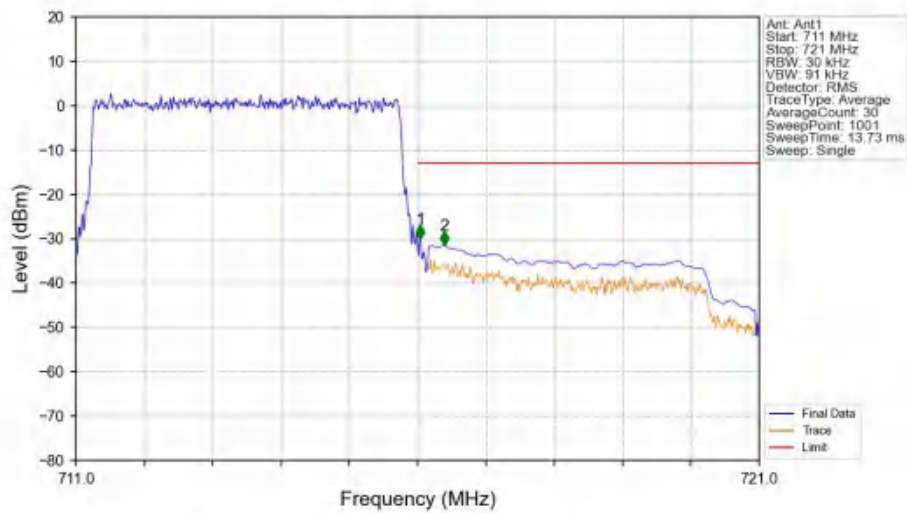


Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-19.25	-13	Pass
716.1	721	0.1	CHP	2	716.110	-25.15	-13	Pass

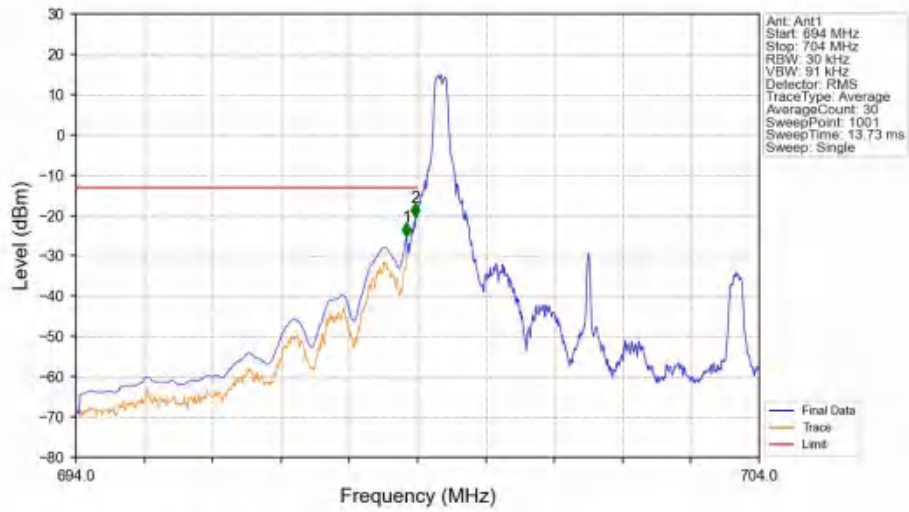
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.040	-30.04	-13	Pass
716.1	721	0.1	CHP	2	716.390	-31.50	-13	Pass

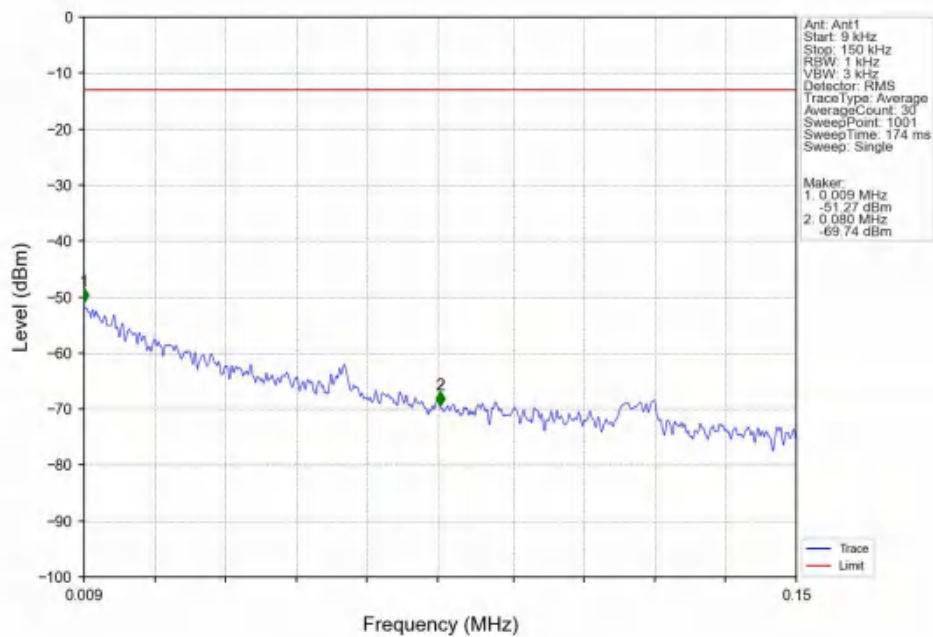


Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



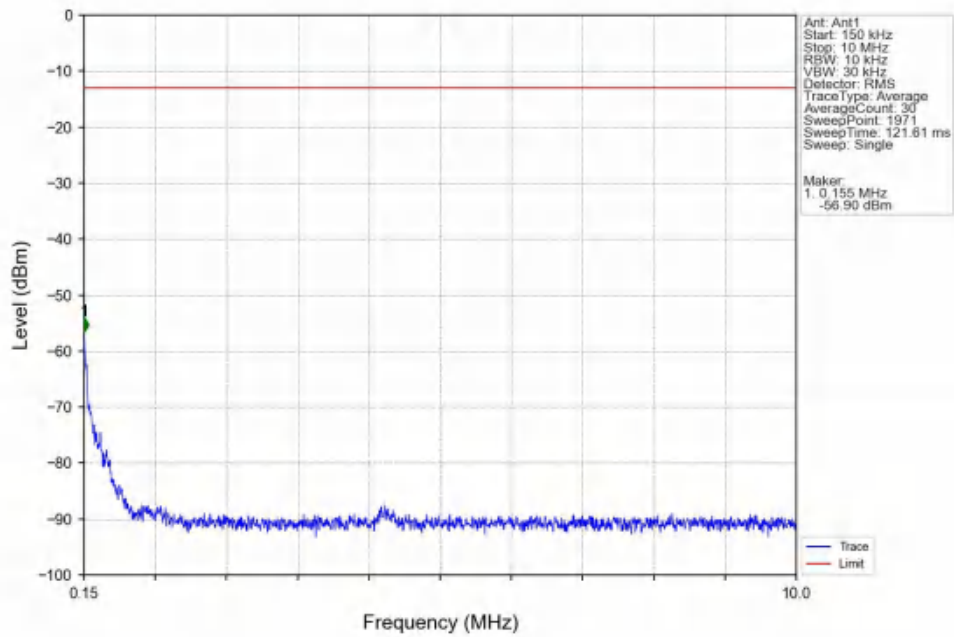
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-25.20	-13	Pass
698.9	699	0.03	/	2	698.970	-20.44	-13	Pass
699	704	0.03	/	/	/	/	/	/

Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

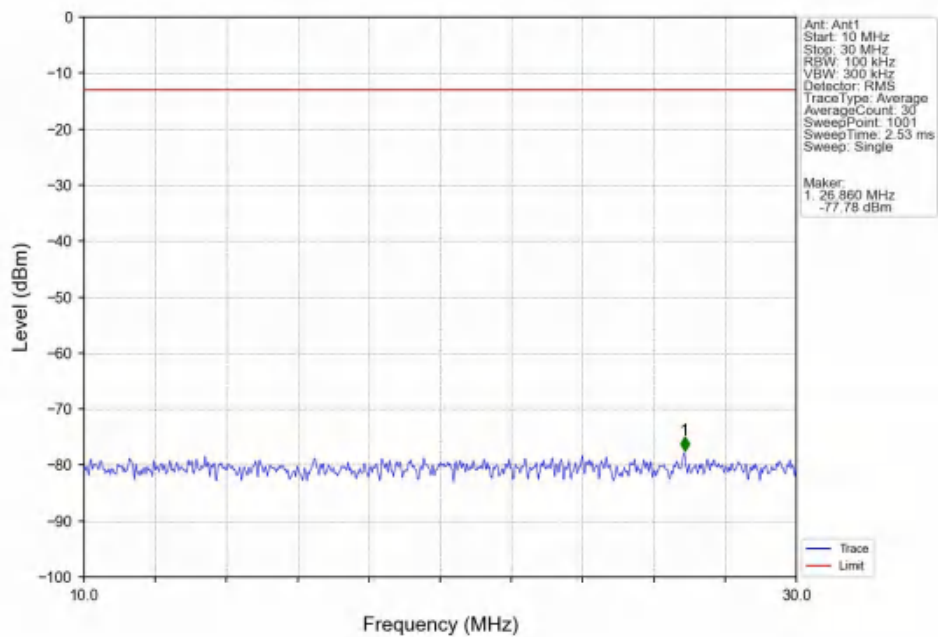




Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

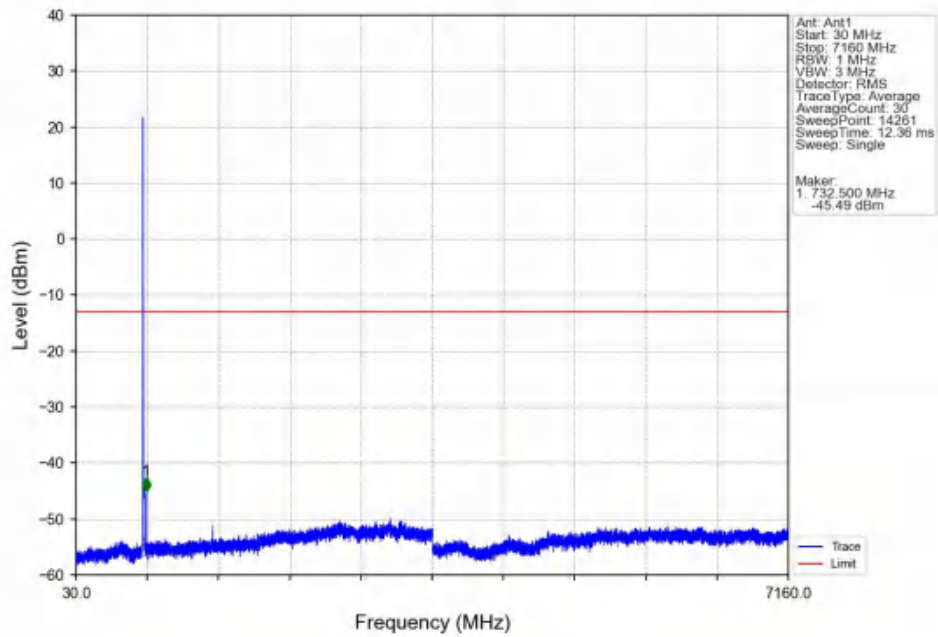


Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV

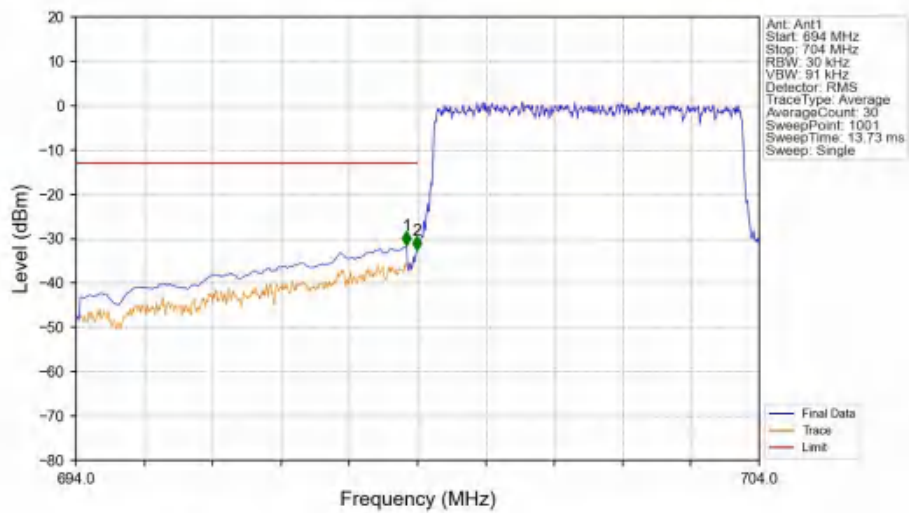




Band12_5MHz_16QAM_LCH_701.5MHz_RB_1_0_NTNV



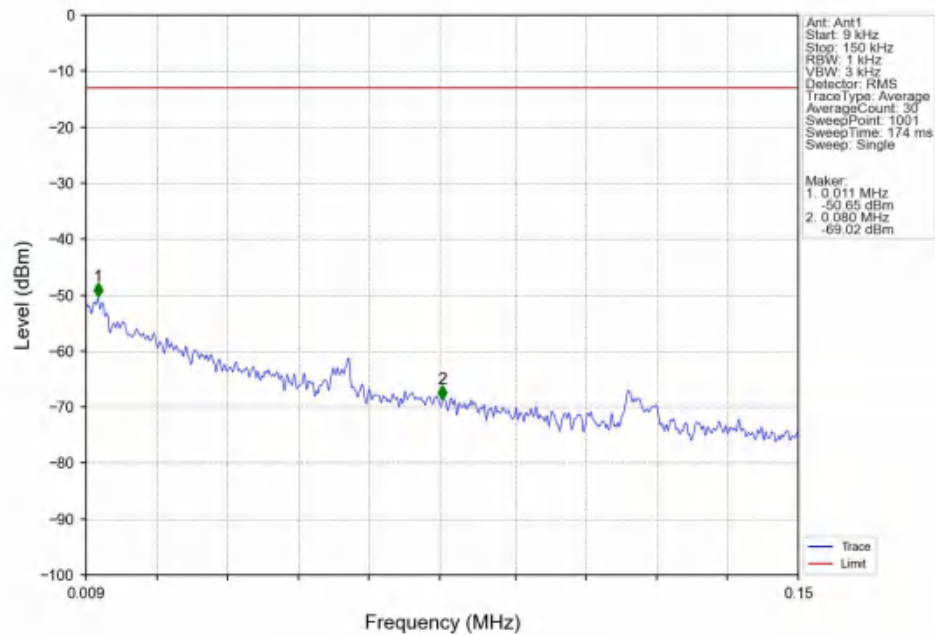
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



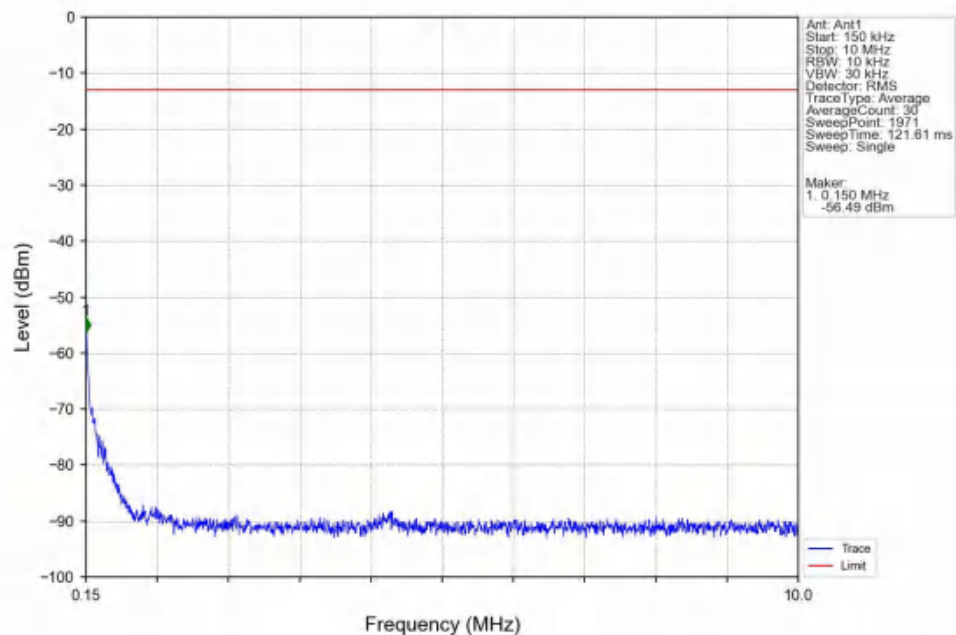
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-31.57	-13	Pass
698.9	699	0.03	/	2	698.990	-32.56	-13	Pass
699	704	0.03	/	/	/	/	/	/



Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

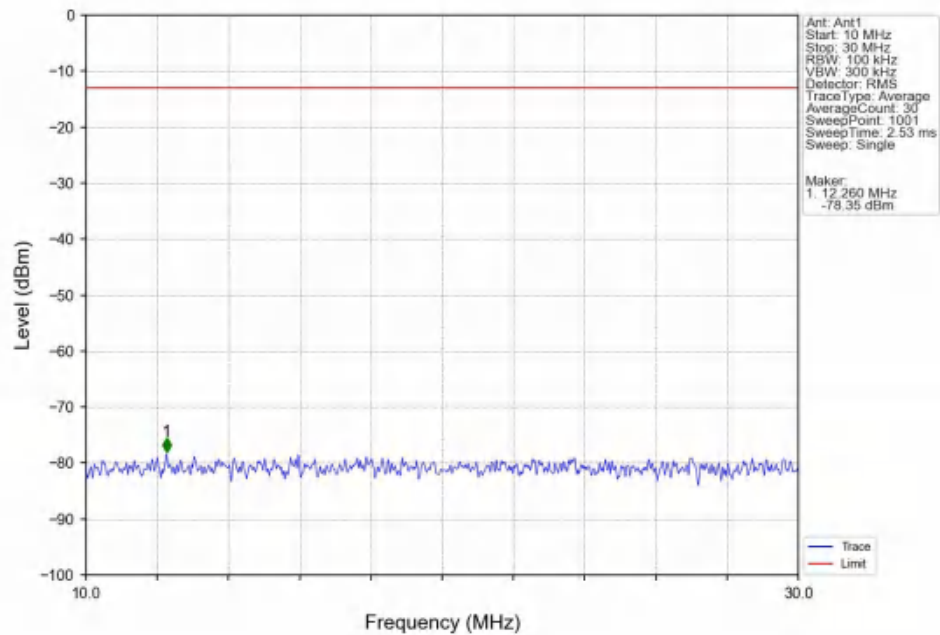


Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

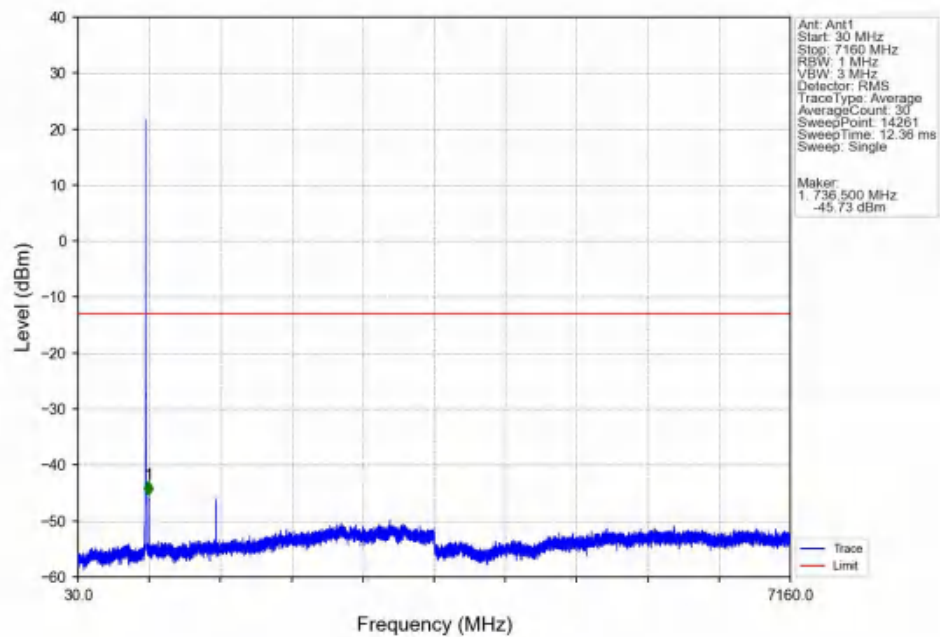




Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

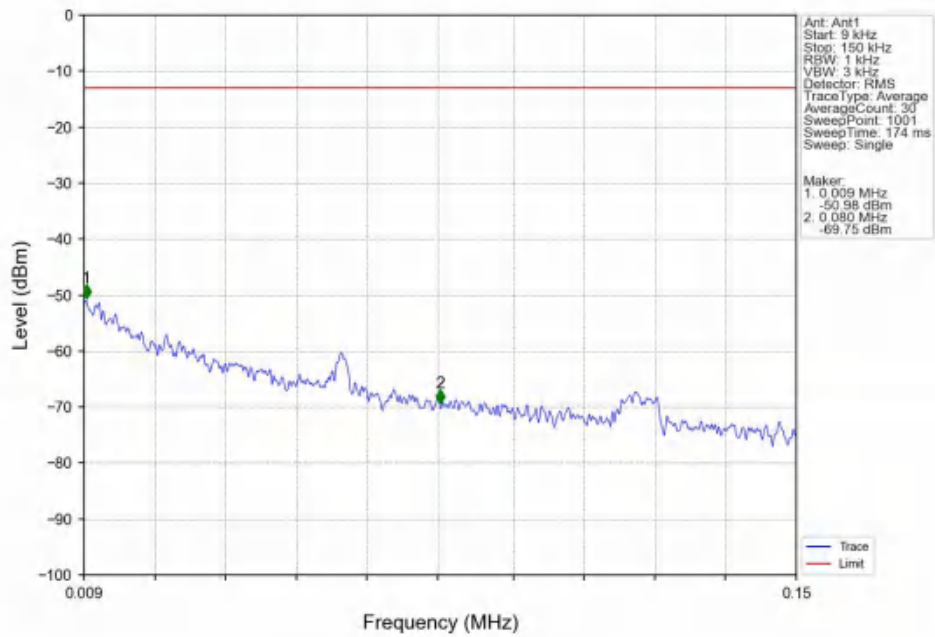


Band12_5MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

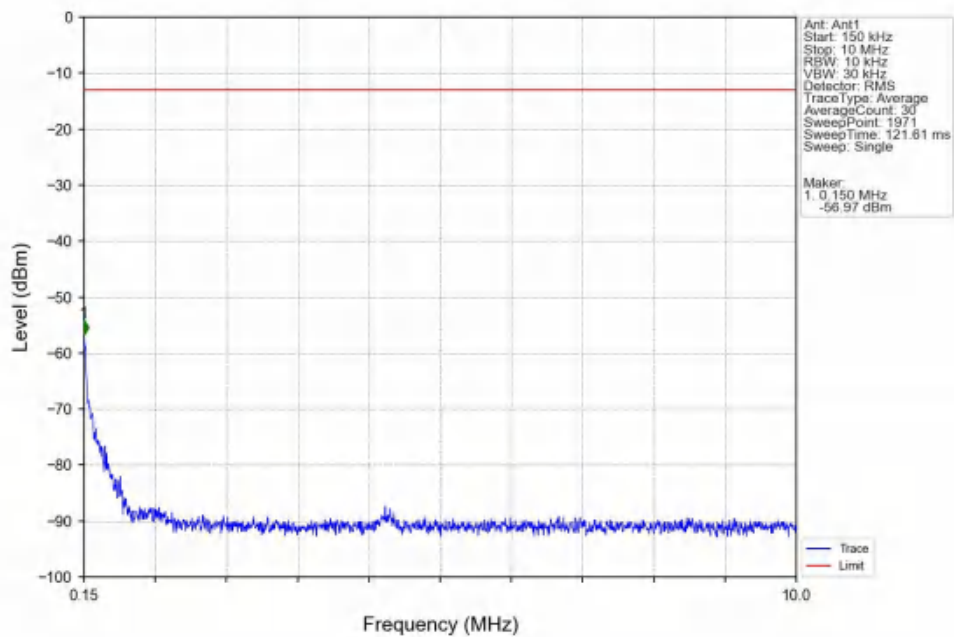




Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

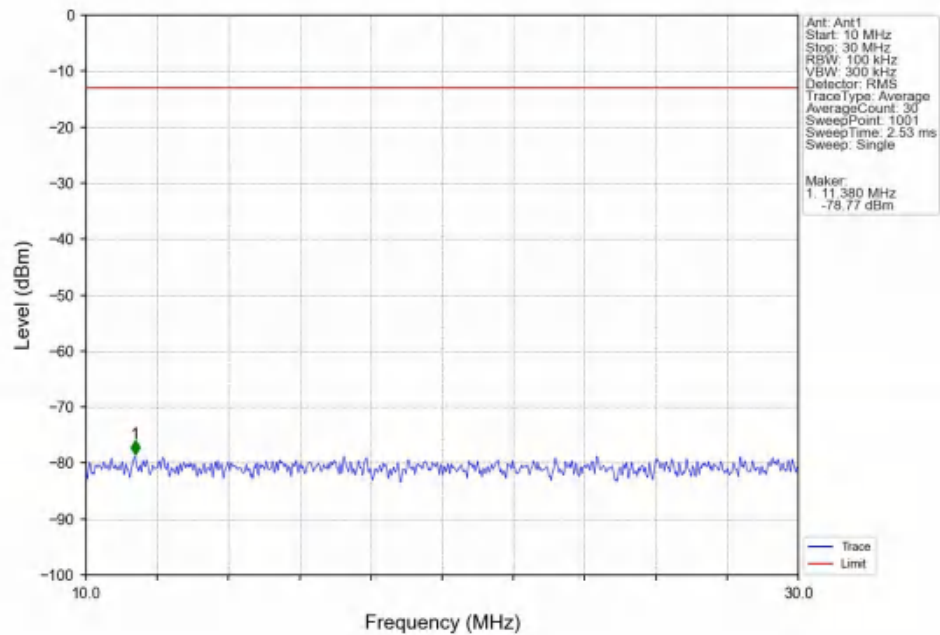


Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

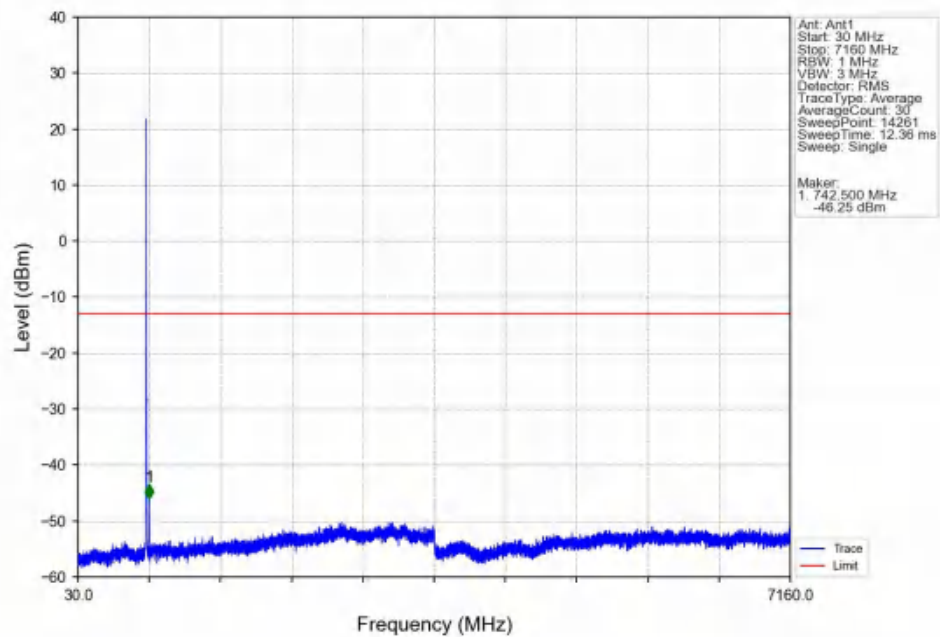




Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

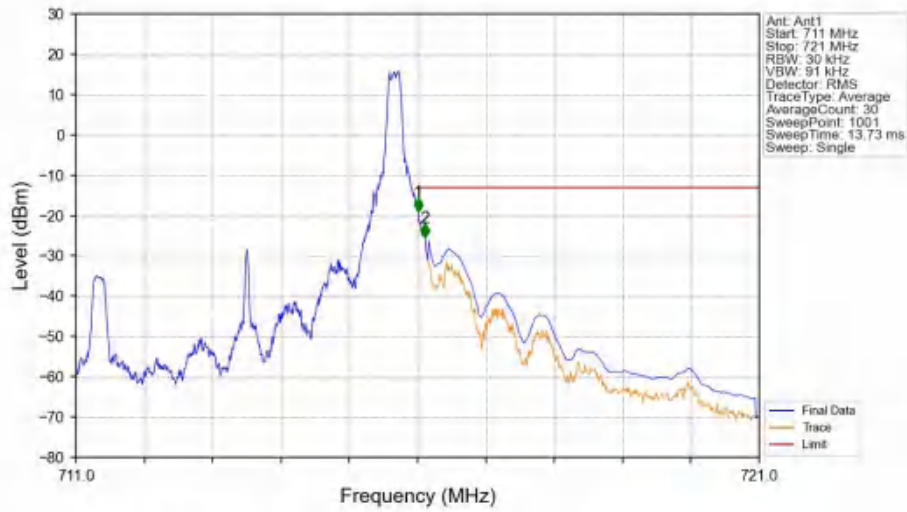


Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



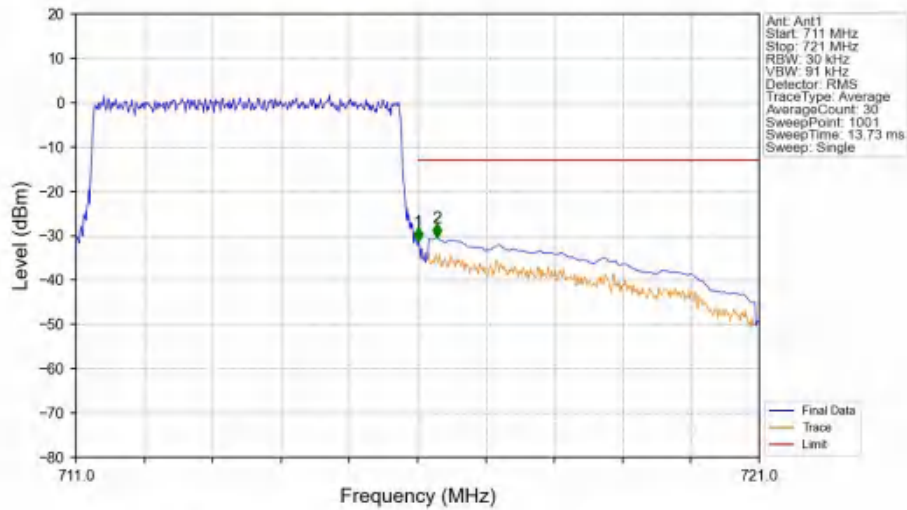


Band12_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-18.95	-13	Pass
716.1	721	0.1	CHP	2	716.110	-25.47	-13	Pass

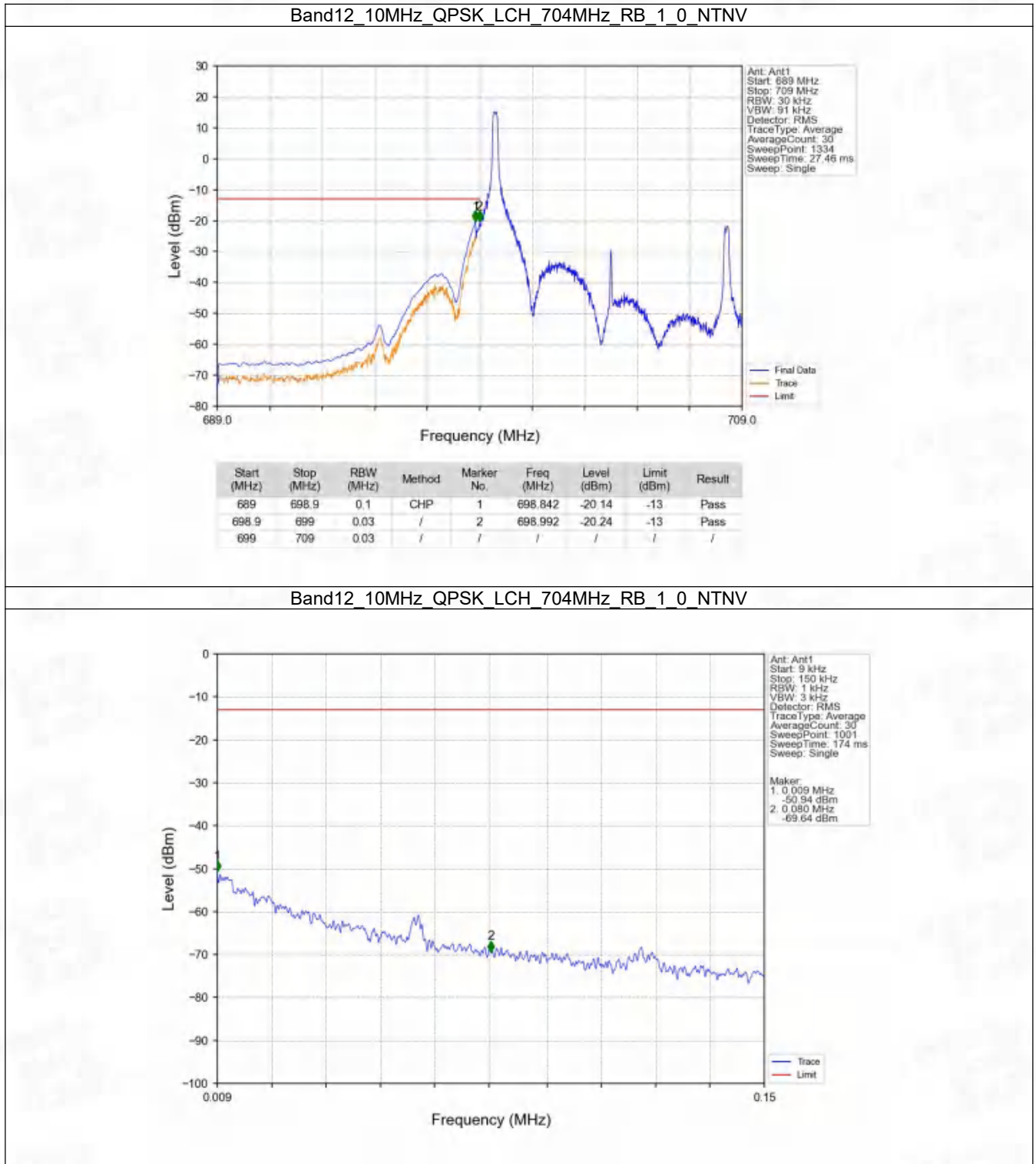
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-31.37	-13	Pass
716.1	721	0.1	CHP	2	716.280	-30.41	-13	Pass

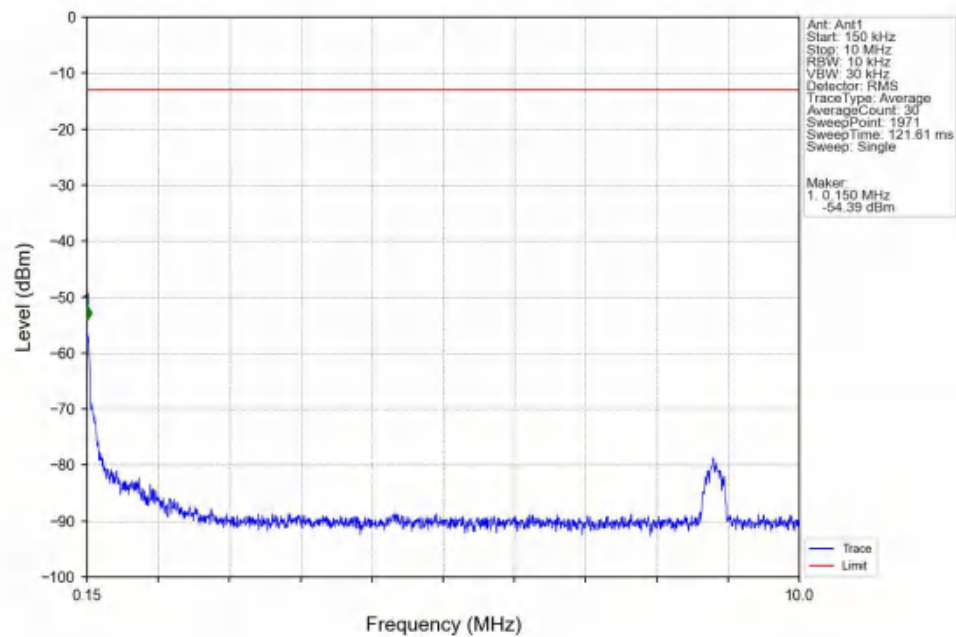


6.2.4 B12_10MHz

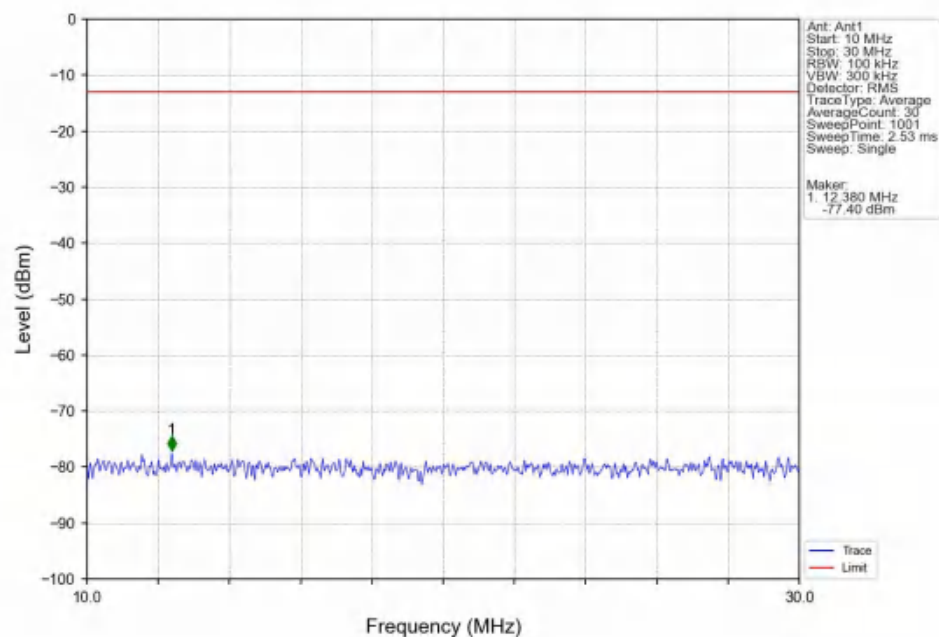




Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

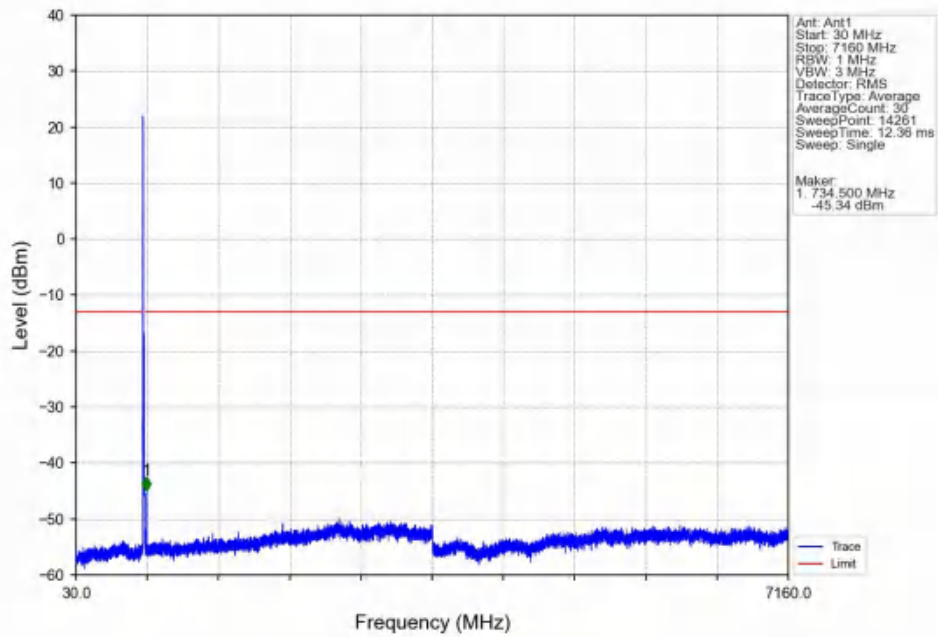


Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV

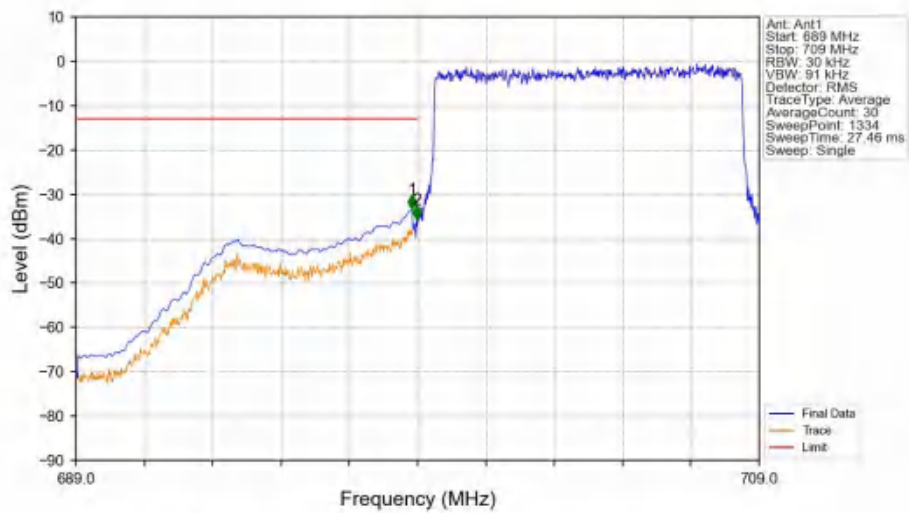




Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



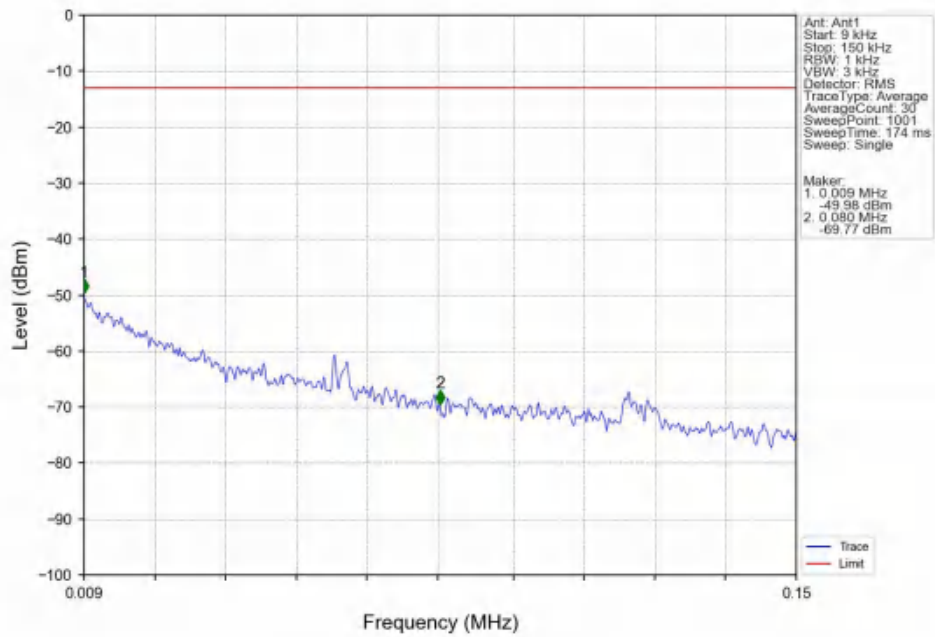
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



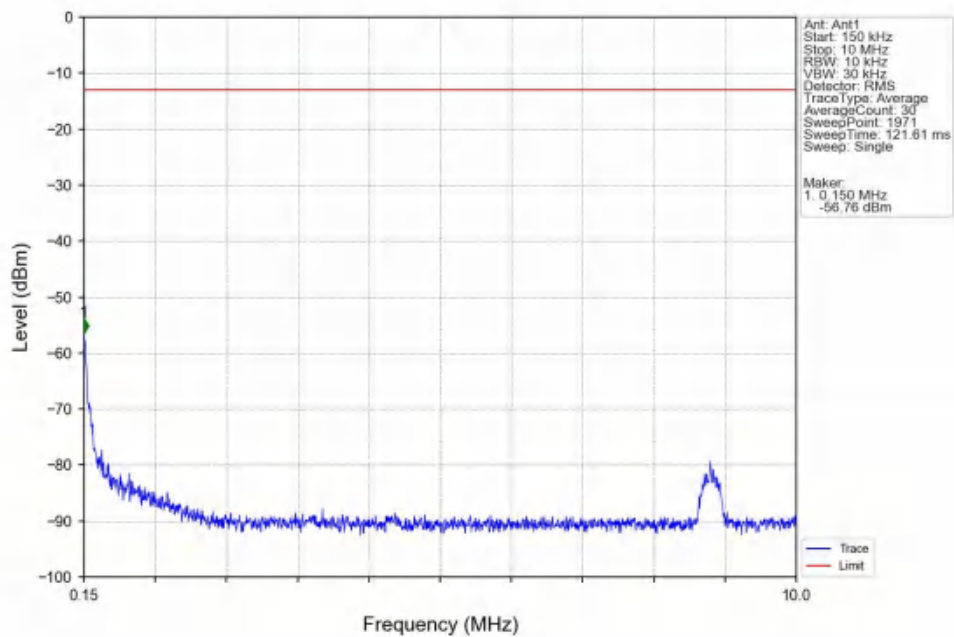
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-33.26	-13	Pass
698.9	699	0.03	/	2	698.977	-35.66	-13	Pass
699	709	0.03	/	/	/	/	/	/



Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

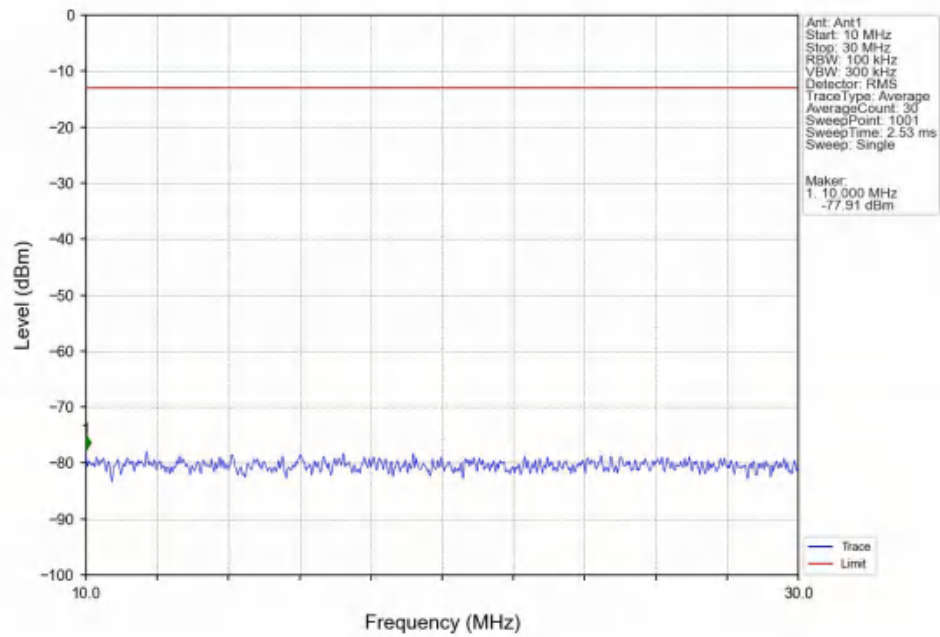


Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

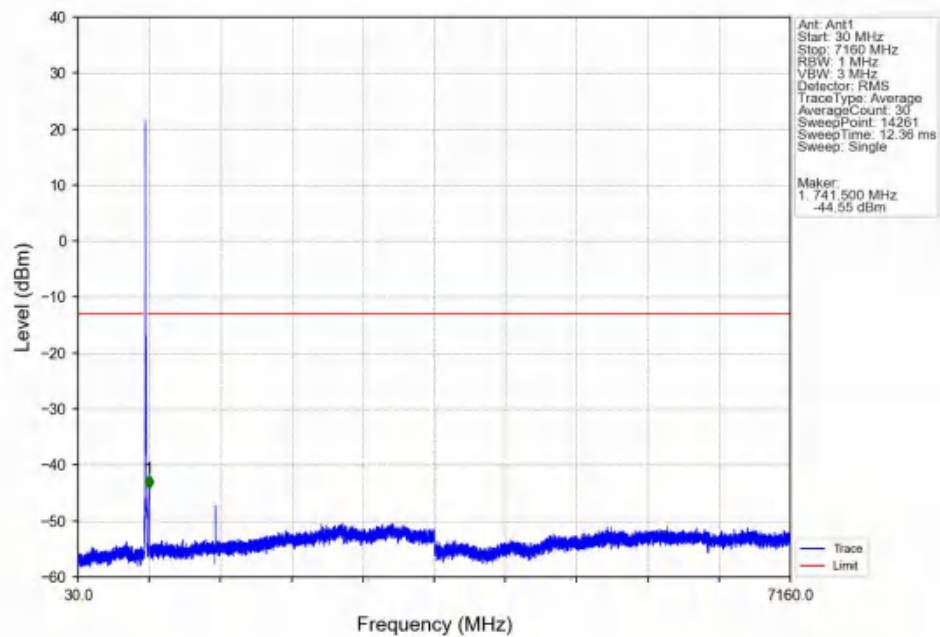




Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

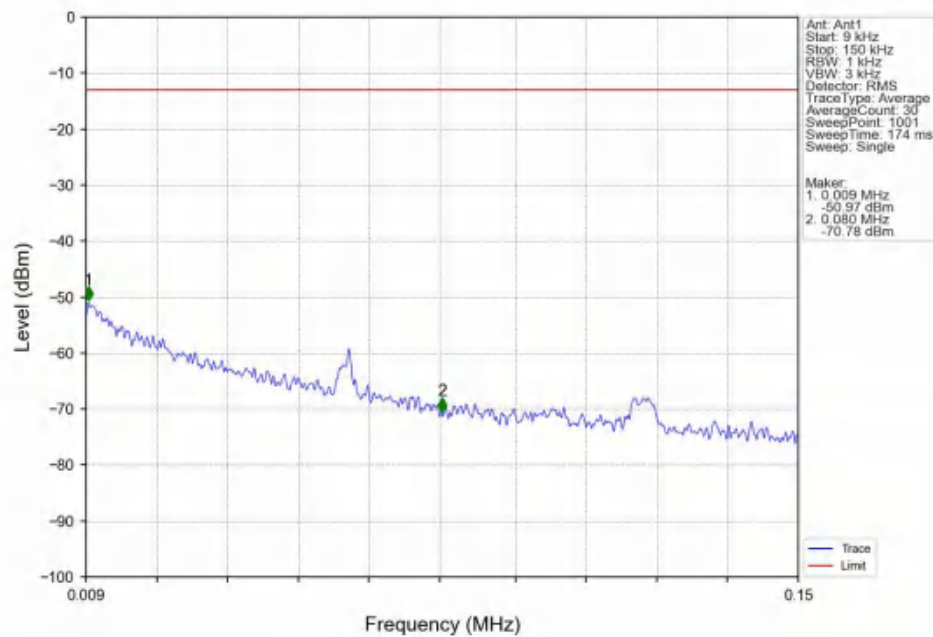


Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV

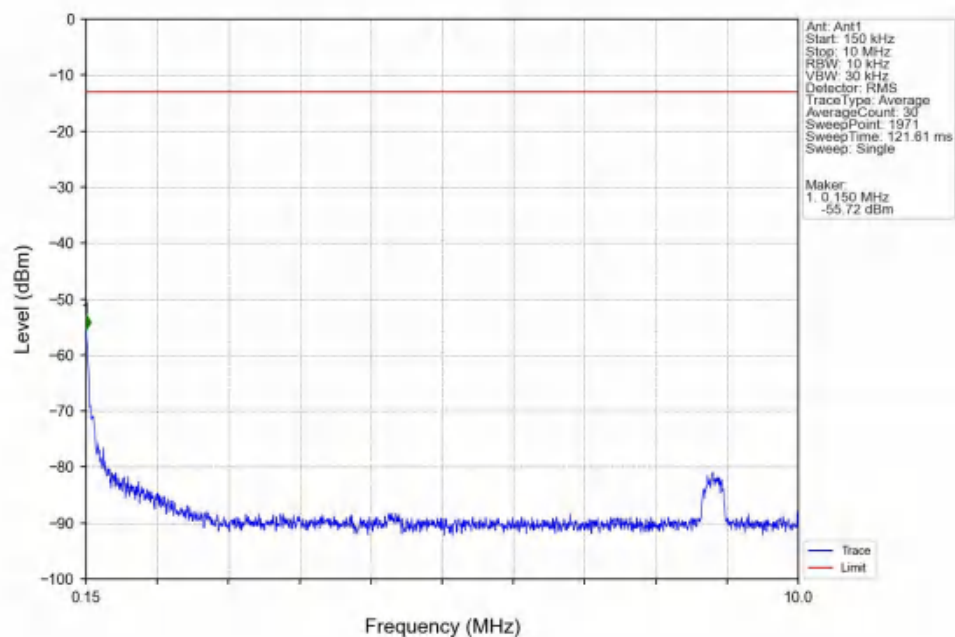




Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

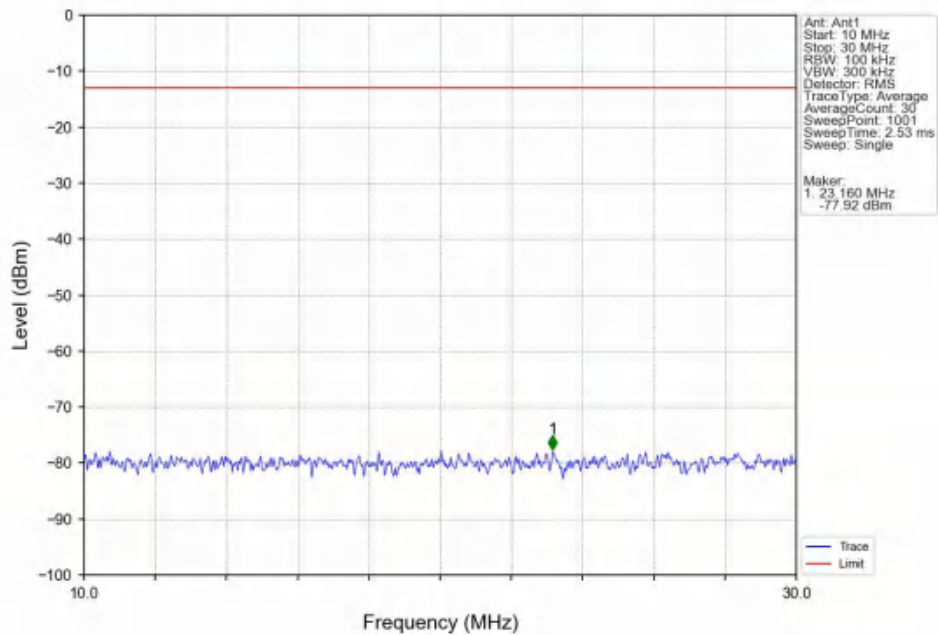


Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

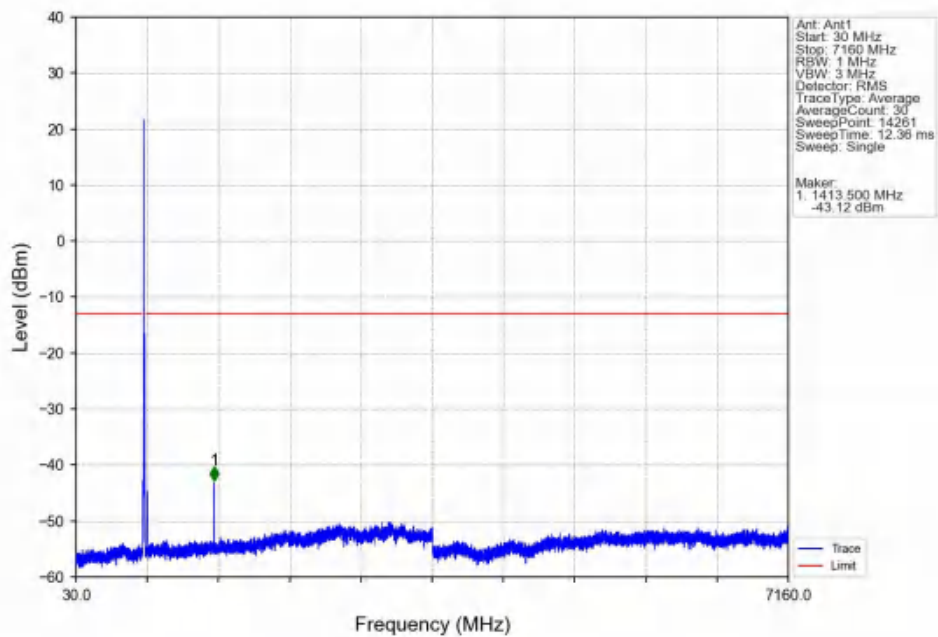




Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

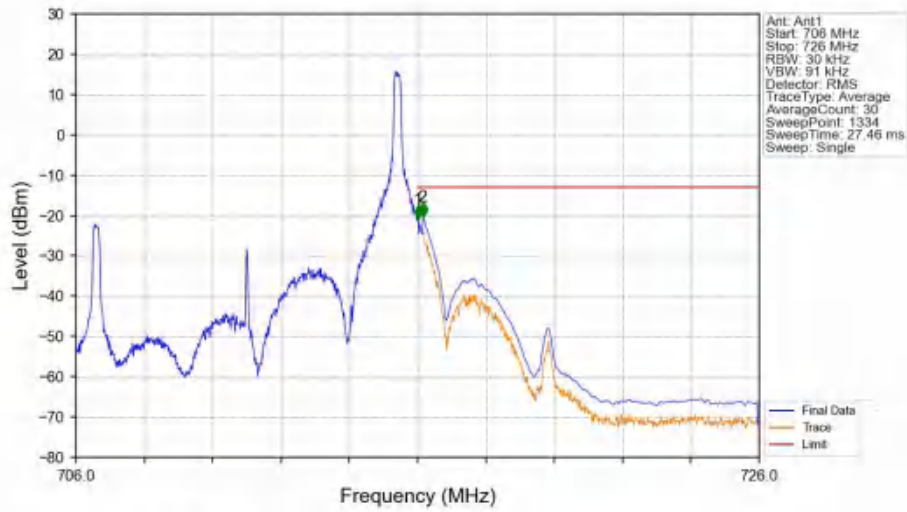


Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



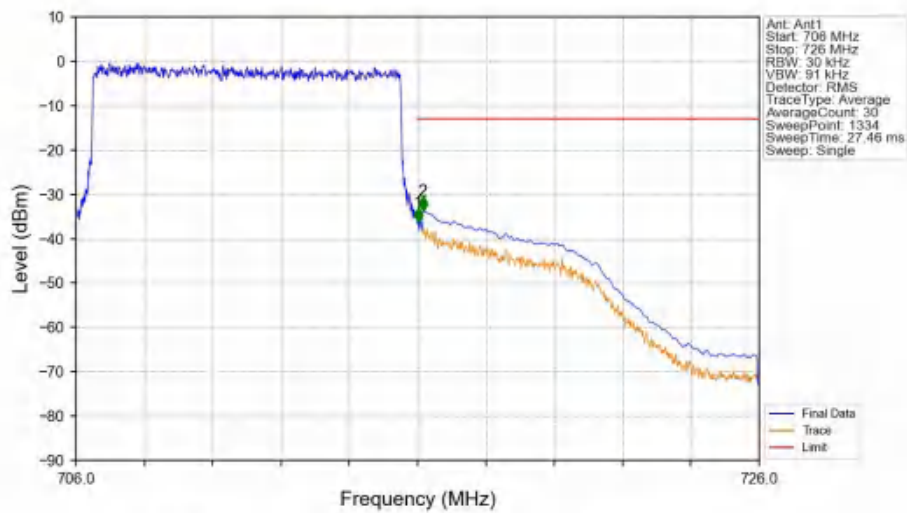


Band12_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-20.82	-13	Pass
716.1	726	0.1	CHP	2	716.158	-20.20	-13	Pass

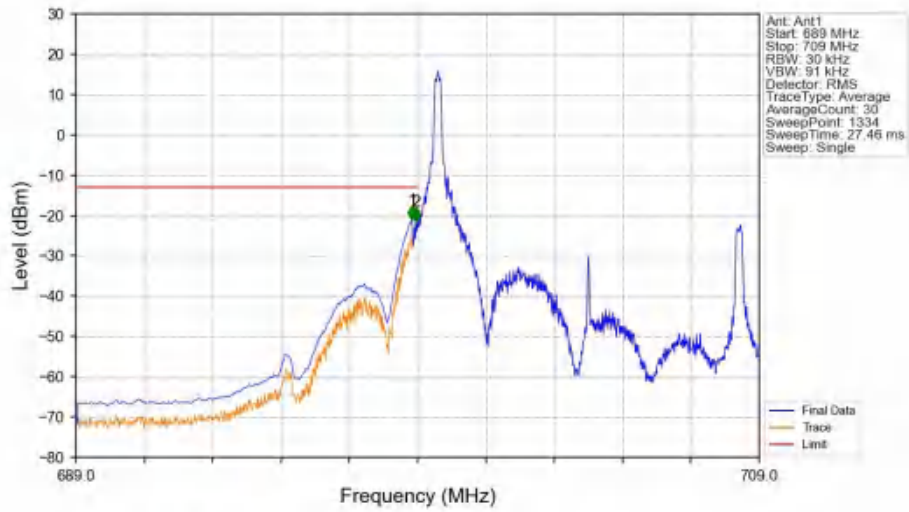
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-36.16	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.58	-13	Pass

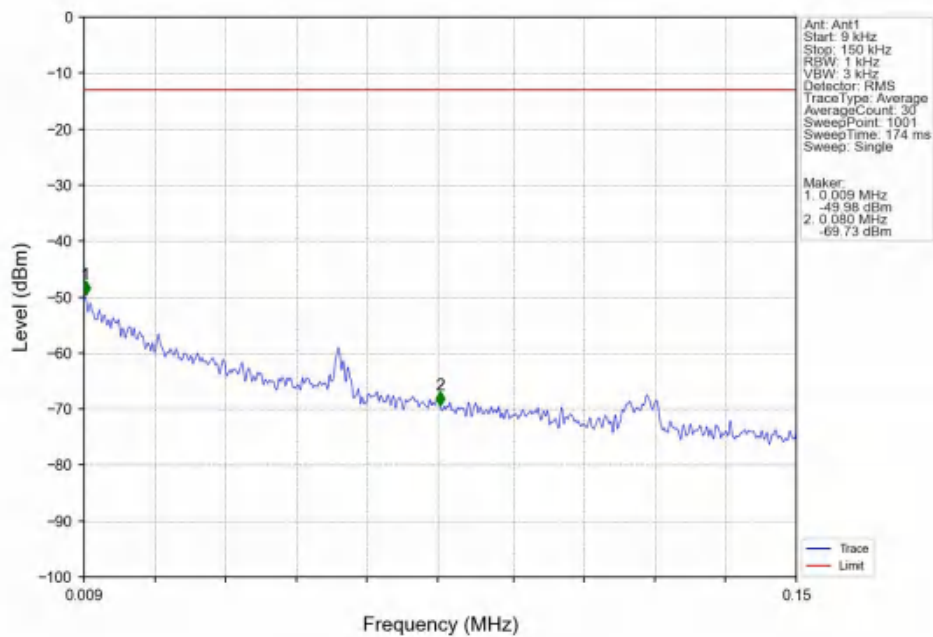


Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV



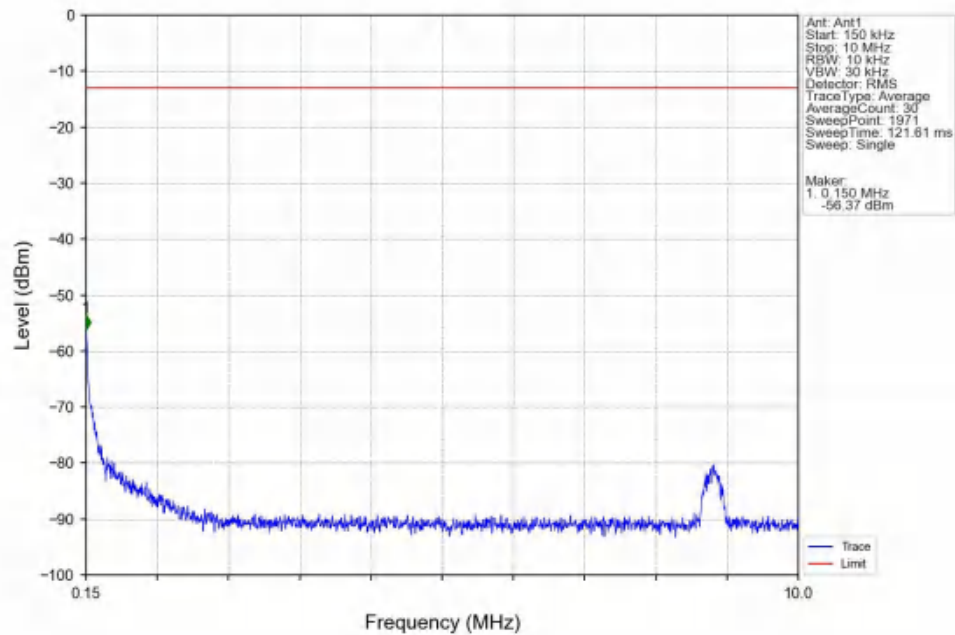
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-21.00	-13	Pass
698.9	699	0.03	/	2	698.947	-21.39	-13	Pass
699	709	0.03	/	/	/	/	/	/

Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

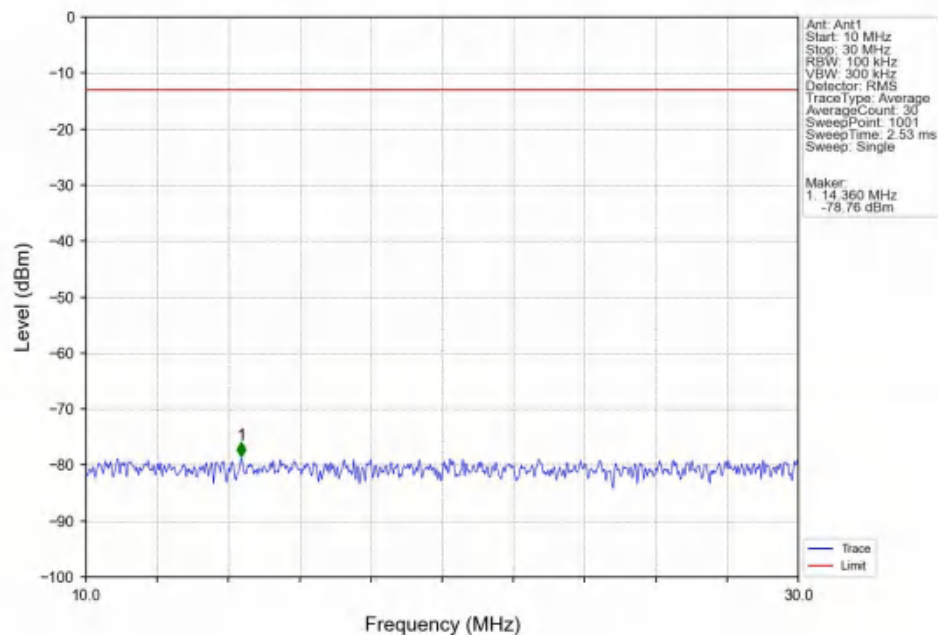




Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

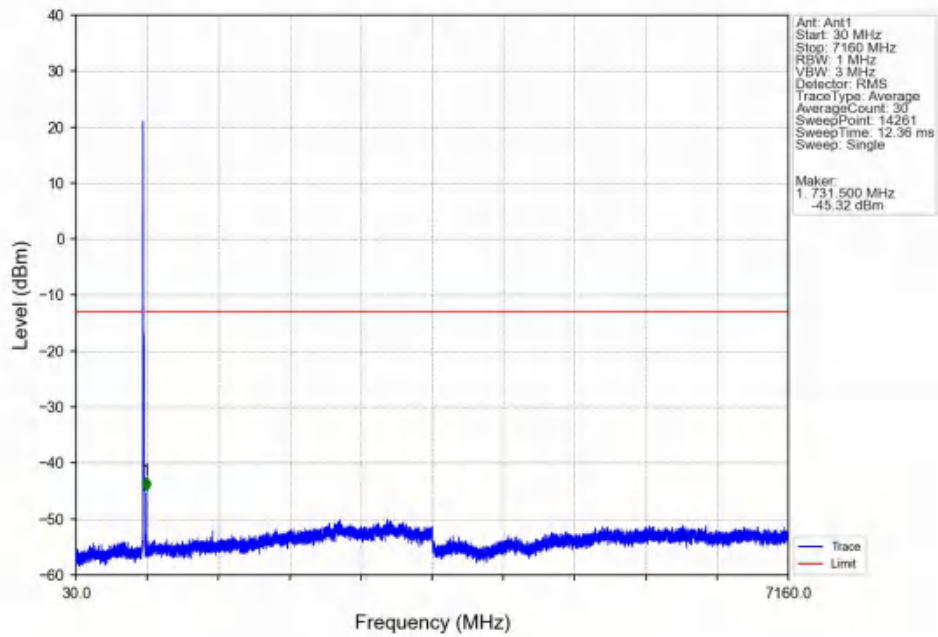


Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

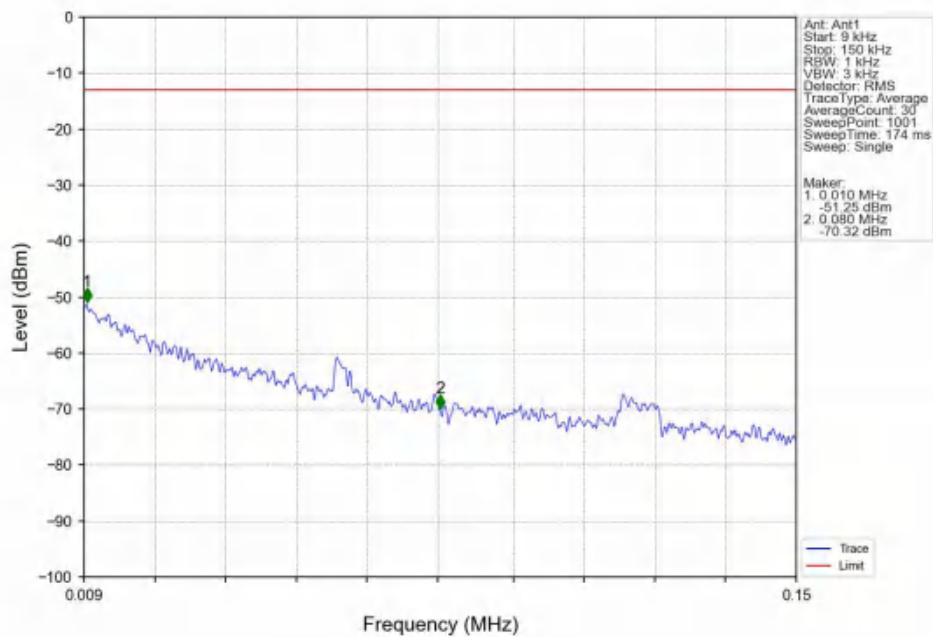




Band12_10MHz_16QAM_LCH_704MHz_RB_1_0_NTNV

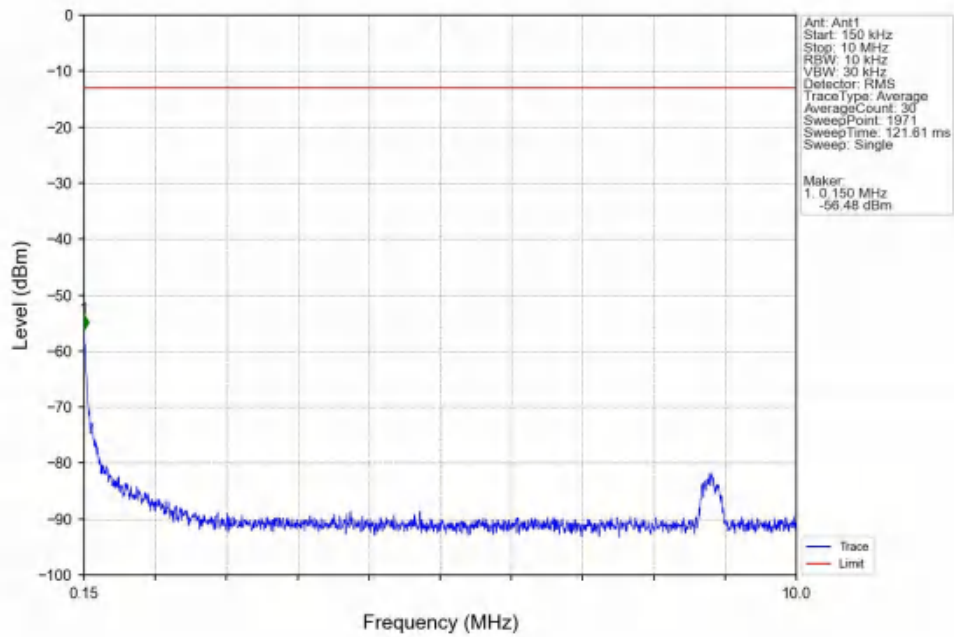


Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

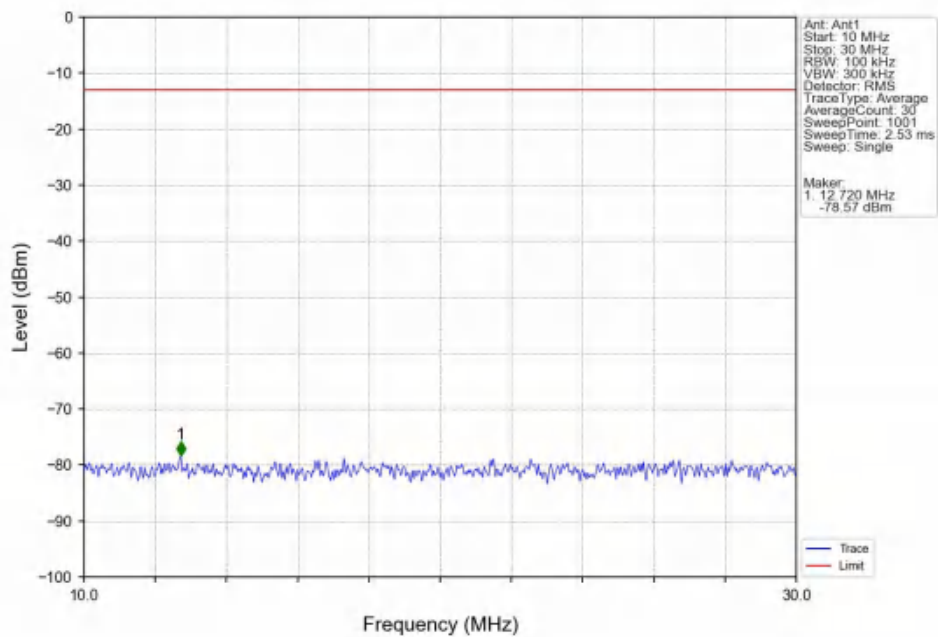




Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

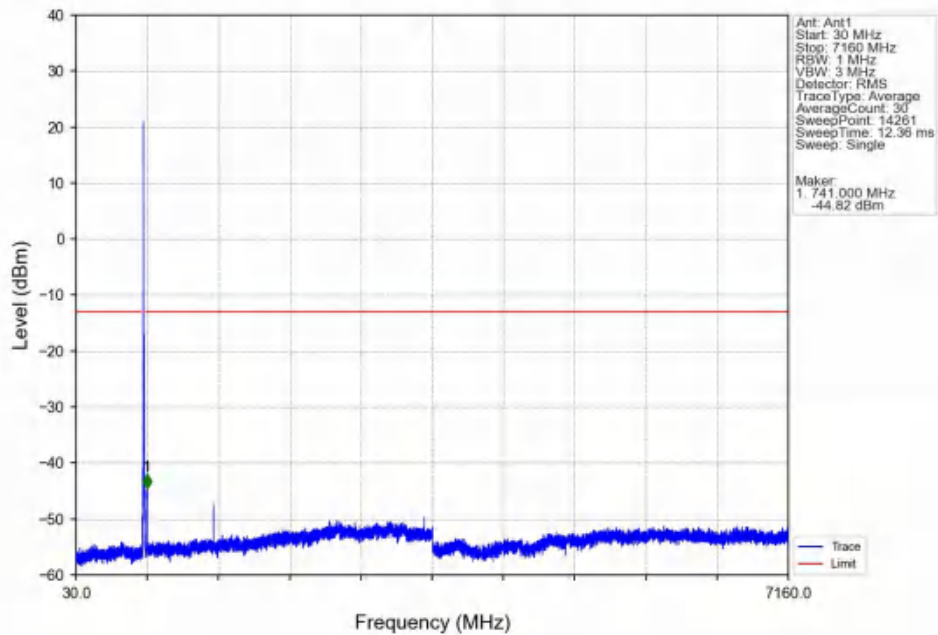


Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

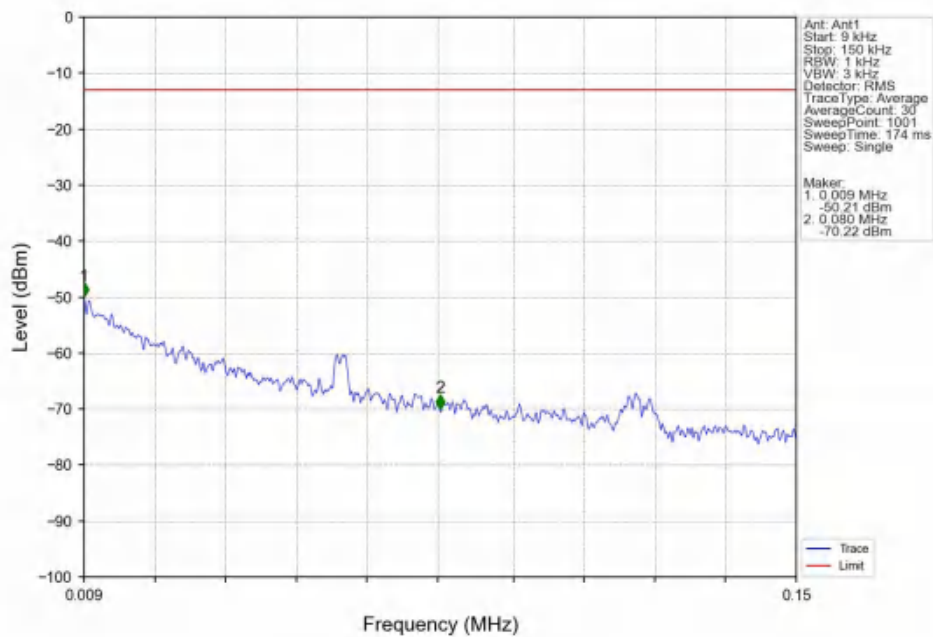




Band12_10MHz_16QAM_MCH_707.5MHz_RB_1_0_NTNV

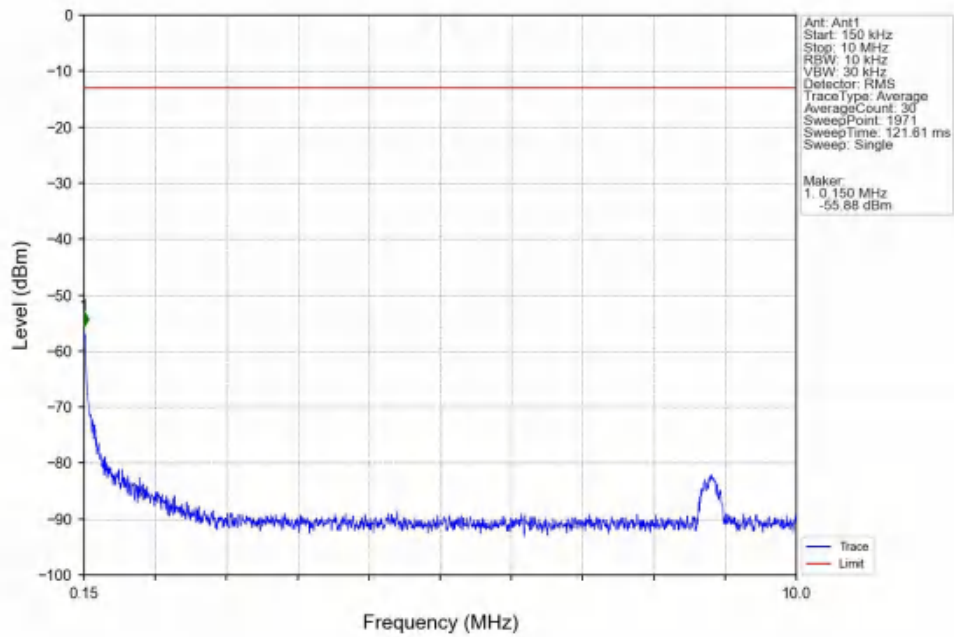


Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

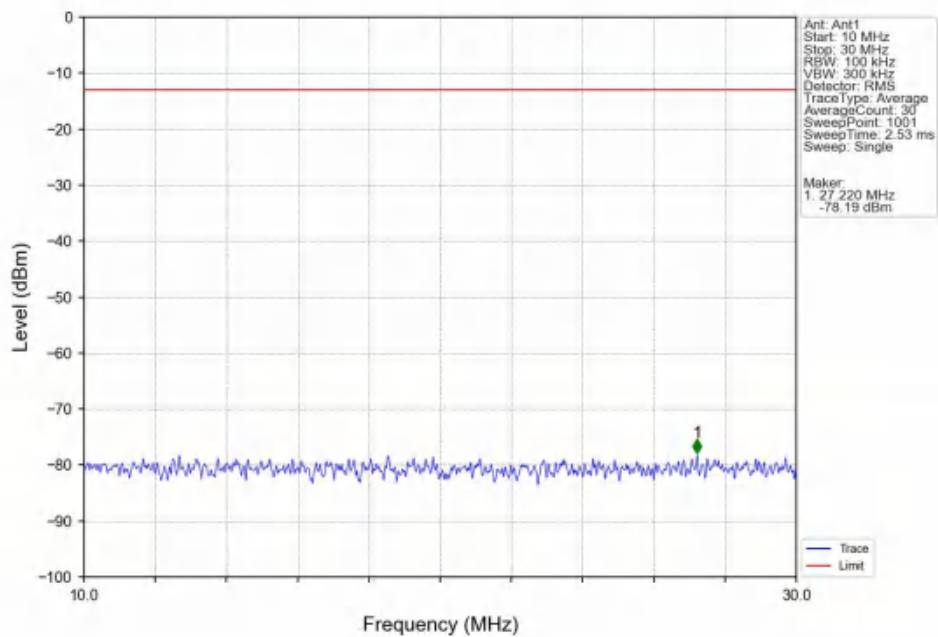




Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

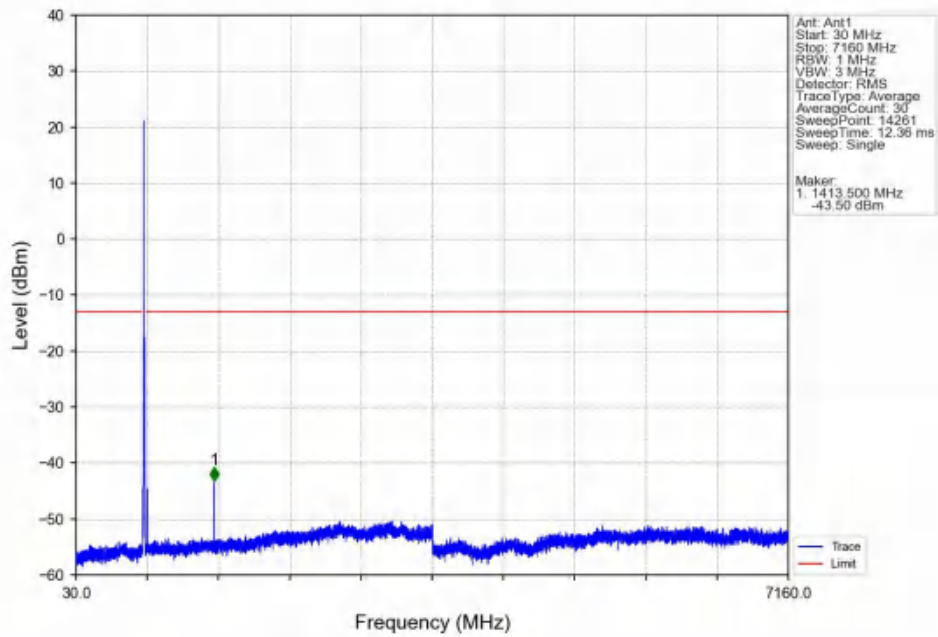


Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

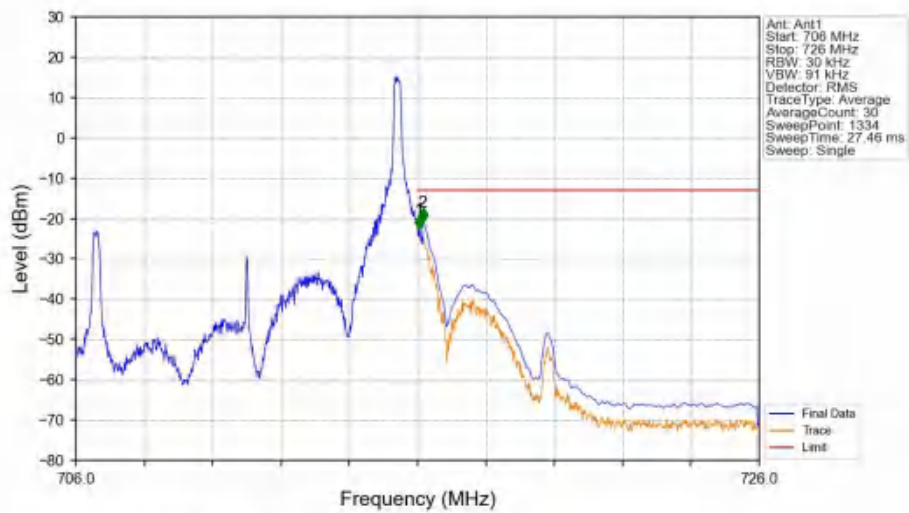




Band12_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band12_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.038	-22.58	-13	Pass
716.1	726	0.1	CHP	2	716.158	-20.89	-13	Pass



7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.1828	0.0018	ppm	1M11G7D	27H	22.62
12	1.4	699.7	715.3	0.1489	0.0010	ppm	1M11W7D	27H	21.73
12	3	700.5	714.5	0.1875	0.0046	ppm	2M75G7D	27H	22.73
12	3	700.5	714.5	0.1483	0.0024	ppm	2M74W7D	27H	21.71
12	5	701.5	713.5	0.1845	0.0044	ppm	4M57G7D	27H	22.66
12	5	701.5	713.5	0.1531	0.0014	ppm	4M55W7D	27H	21.85
12	10	704	711	0.1901	0.0020	ppm	9M10G7D	27H	22.79
12	10	704	711	0.1574	0.0050	ppm	5M15W7D	27H	21.97

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
12	1.4	699.7	715.3	0.1114	0.0018	ppm	1M11G7D	27H	20.47
12	1.4	699.7	715.3	0.0908	0.0010	ppm	1M11W7D	27H	19.58
12	3	700.5	714.5	0.1143	0.0046	ppm	2M75G7D	27H	20.58
12	3	700.5	714.5	0.0904	0.0024	ppm	2M74W7D	27H	19.56
12	5	701.5	713.5	0.1125	0.0044	ppm	4M57G7D	27H	20.51
12	5	701.5	713.5	0.0933	0.0014	ppm	4M55W7D	27H	19.70
12	10	704	711	0.1159	0.0020	ppm	9M10G7D	27H	20.64
12	10	704	711	0.0959	0.0050	ppm	5M15W7D	27H	19.82