

Band: 12 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	700.5	1	0	22.14	-0.38	19.61	<=34.77	Pass
			7	22.11	-0.38	19.58	<=34.77	Pass
			14	22.18	-0.38	19.65	<=34.77	Pass
		8	0	21.11	-0.38	18.58	<=34.77	Pass
			4	21.19	-0.38	18.66	<=34.77	Pass
			7	21.20	-0.38	18.67	<=34.77	Pass
		15	0	21.17	-0.38	18.64	<=34.77	Pass
	707.5	1	0	22.26	-0.38	19.73	<=34.77	Pass
			7	22.26	-0.38	19.73	<=34.77	Pass
			14	22.19	-0.38	19.66	<=34.77	Pass
		8	0	21.38	-0.38	18.85	<=34.77	Pass
			4	21.29	-0.38	18.76	<=34.77	Pass
			7	21.28	-0.38	18.75	<=34.77	Pass
		15	0	21.29	-0.38	18.76	<=34.77	Pass
	714.5	1	0	21.94	-0.38	19.41	<=34.77	Pass
			7	21.93	-0.38	19.40	<=34.77	Pass
			14	21.89	-0.38	19.36	<=34.77	Pass
		8	0	21.00	-0.38	18.47	<=34.77	Pass
			4	21.01	-0.38	18.48	<=34.77	Pass
			7	20.98	-0.38	18.45	<=34.77	Pass
		15	0	21.05	-0.38	18.52	<=34.77	Pass
16QAM	700.5	1	0	21.12	-0.38	18.59	<=34.77	Pass
			7	21.00	-0.38	18.47	<=34.77	Pass
			14	21.14	-0.38	18.61	<=34.77	Pass
		8	0	20.46	-0.38	17.93	<=34.77	Pass
			4	20.46	-0.38	17.93	<=34.77	Pass
			7	20.44	-0.38	17.91	<=34.77	Pass
		15	0	20.26	-0.38	17.73	<=34.77	Pass
	707.5	1	0	20.98	-0.38	18.45	<=34.77	Pass
			7	20.97	-0.38	18.44	<=34.77	Pass
			14	20.97	-0.38	18.44	<=34.77	Pass
		8	0	20.43	-0.38	17.90	<=34.77	Pass
			4	20.42	-0.38	17.89	<=34.77	Pass
			7	20.39	-0.38	17.86	<=34.77	Pass
		15	0	20.25	-0.38	17.72	<=34.77	Pass
	714.5	1	0	20.78	-0.38	18.25	<=34.77	Pass
			7	20.69	-0.38	18.16	<=34.77	Pass
			14	20.94	-0.38	18.41	<=34.77	Pass
		8	0	20.15	-0.38	17.62	<=34.77	Pass
			4	20.11	-0.38	17.58	<=34.77	Pass
			7	20.15	-0.38	17.62	<=34.77	Pass
		15	0	19.94	-0.38	17.41	<=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	21.20	-0.38	18.67	<=34.77	Pass
			13	21.21	-0.38	18.68	<=34.77	Pass
			24	21.22	-0.38	18.69	<=34.77	Pass
		12	0	21.19	-0.38	18.66	<=34.77	Pass
			6	21.22	-0.38	18.69	<=34.77	Pass
			13	21.20	-0.38	18.67	<=34.77	Pass

		25	0	21.26	-0.38	18.73	<=34.77	Pass
	707.5	1	0	21.37	-0.38	18.84	<=34.77	Pass
			13	21.38	-0.38	18.85	<=34.77	Pass
			24	21.39	-0.38	18.86	<=34.77	Pass
		12	0	21.39	-0.38	18.86	<=34.77	Pass
			6	21.39	-0.38	18.86	<=34.77	Pass
			13	21.39	-0.38	18.86	<=34.77	Pass
		25	0	21.39	-0.38	18.86	<=34.77	Pass
	713.5	1	0	21.03	-0.38	18.50	<=34.77	Pass
			13	21.08	-0.38	18.55	<=34.77	Pass
			24	21.08	-0.38	18.55	<=34.77	Pass
		12	0	21.06	-0.38	18.53	<=34.77	Pass
			6	21.08	-0.38	18.55	<=34.77	Pass
			13	21.07	-0.38	18.54	<=34.77	Pass
		25	0	21.06	-0.38	18.53	<=34.77	Pass
16QAM	701.5	1	0	21.24	-0.38	18.71	<=34.77	Pass
			13	21.23	-0.38	18.70	<=34.77	Pass
			24	21.26	-0.38	18.73	<=34.77	Pass
		12	0	21.25	-0.38	18.72	<=34.77	Pass
			6	21.24	-0.38	18.71	<=34.77	Pass
			13	21.30	-0.38	18.77	<=34.77	Pass
		25	0	21.30	-0.38	18.77	<=34.77	Pass
	707.5	1	0	21.34	-0.38	18.81	<=34.77	Pass
			13	21.34	-0.38	18.81	<=34.77	Pass
			24	21.34	-0.38	18.81	<=34.77	Pass
		12	0	21.34	-0.38	18.81	<=34.77	Pass
			6	21.34	-0.38	18.81	<=34.77	Pass
			13	21.33	-0.38	18.80	<=34.77	Pass
		25	0	21.39	-0.38	18.86	<=34.77	Pass
	713.5	1	0	21.12	-0.38	18.59	<=34.77	Pass
			13	21.11	-0.38	18.58	<=34.77	Pass
			24	21.10	-0.38	18.57	<=34.77	Pass
		12	0	21.09	-0.38	18.56	<=34.77	Pass
			6	21.09	-0.38	18.56	<=34.77	Pass
			13	21.08	-0.38	18.55	<=34.77	Pass
		25	0	21.08	-0.38	18.55	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	22.34	-0.38	19.81	<=34.77	Pass
			25	22.28	-0.38	19.75	<=34.77	Pass
			49	22.40	-0.38	19.87	<=34.77	Pass
		25	0	21.27	-0.38	18.74	<=34.77	Pass
			13	21.24	-0.38	18.71	<=34.77	Pass
			25	21.45	-0.38	18.92	<=34.77	Pass
		50	0	21.22	-0.38	18.69	<=34.77	Pass
	707.5	1	0	22.28	-0.38	19.75	<=34.77	Pass
			25	22.39	-0.38	19.86	<=34.77	Pass
			49	22.09	-0.38	19.56	<=34.77	Pass
		25	0	21.51	-0.38	18.98	<=34.77	Pass
			13	21.45	-0.38	18.92	<=34.77	Pass
			25	21.19	-0.38	18.66	<=34.77	Pass
		50	0	21.40	-0.38	18.87	<=34.77	Pass

16QAM	711	1	0	22.32	-0.38	19.79	<=34.77	Pass
			25	22.13	-0.38	19.60	<=34.77	Pass
			49	21.97	-0.38	19.44	<=34.77	Pass
		25	0	21.38	-0.38	18.85	<=34.77	Pass
			13	21.14	-0.38	18.61	<=34.77	Pass
			25	21.12	-0.38	18.59	<=34.77	Pass
		50	0	21.17	-0.38	18.64	<=34.77	Pass
	704	1	0	21.46	-0.38	18.93	<=34.77	Pass
			25	21.40	-0.38	18.87	<=34.77	Pass
			49	21.57	-0.38	19.04	<=34.77	Pass
		25	0	20.36	-0.38	17.83	<=34.77	Pass
			13	20.34	-0.38	17.81	<=34.77	Pass
			25	20.38	-0.38	17.85	<=34.77	Pass
		50	0	20.31	-0.38	17.78	<=34.77	Pass
	707.5	1	0	21.09	-0.38	18.56	<=34.77	Pass
			25	21.26	-0.38	18.73	<=34.77	Pass
			49	20.90	-0.38	18.37	<=34.77	Pass
		25	0	20.57	-0.38	18.04	<=34.77	Pass
			13	20.50	-0.38	17.97	<=34.77	Pass
			25	20.30	-0.38	17.77	<=34.77	Pass
		50	0	20.42	-0.38	17.89	<=34.77	Pass
	711	1	0	21.74	-0.38	19.21	<=34.77	Pass
			25	21.38	-0.38	18.85	<=34.77	Pass
			49	21.39	-0.38	18.86	<=34.77	Pass
		25	0	20.41	-0.38	17.88	<=34.77	Pass
			13	20.20	-0.38	17.67	<=34.77	Pass
			25	20.19	-0.38	17.66	<=34.77	Pass
		50	0	20.24	-0.38	17.71	<=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	0.615	0.0009	-2.5 to 2.5	Pass
					3.85	0.930	0.0013	-2.5 to 2.5	Pass
					4.43	0.315	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.887	0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.672	0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.873	0.0012	-2.5 to 2.5	Pass
				0	3.85	0.858	0.0012	-2.5 to 2.5	Pass
				10	3.85	1.502	0.0021	-2.5 to 2.5	Pass
				30	3.85	0.801	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.259	0.0018	-2.5 to 2.5	Pass
				50	3.85	1.416	0.0020	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-1.144	-0.0016	-2.5 to 2.5	Pass
					3.85	-0.787	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.930	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass

				0	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.229	0.0003	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	0.401	0.0006	-2.5 to 2.5	Pass
					3.85	0.129	0.0002	-2.5 to 2.5	Pass
					4.43	-0.129	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.358	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	1.059	0.0015	-2.5 to 2.5	Pass
					3.85	1.044	0.0015	-2.5 to 2.5	Pass
					4.43	0.987	0.0014	-2.5 to 2.5	Pass
				-30	3.85	0.386	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.329	0.0005	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-0.415	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.014	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.615	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.701	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.601	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.272	0.0004	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	0.744	0.0010	-2.5 to 2.5	Pass
					3.85	0.715	0.0010	-2.5 to 2.5	Pass
					4.43	-0.086	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
				40	3.85	1.016	0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0008	-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	-0.744	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.801	-0.0011	-2.5 to 2.5	Pass

					4.43	-0.901	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.687	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.887	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	1.059	0.0015	-2.5 to 2.5	Pass
					3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.458	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.286	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.043	0.0001	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	0.486	0.0007	-2.5 to 2.5	Pass
					3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.687	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				0	3.85	0.529	0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.730	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.544	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.114	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	1.016	0.0014	-2.5 to 2.5	Pass
					3.85	1.202	0.0017	-2.5 to 2.5	Pass
					4.43	0.544	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.173	0.0016	-2.5 to 2.5	Pass
				-20	3.85	0.672	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.787	0.0011	-2.5 to 2.5	Pass

				0	3.85	1.030	0.0014	-2.5 to 2.5	Pass
				10	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				40	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.615	0.0009	-2.5 to 2.5	Pass

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	-0.458	-0.0007	-2.5 to 2.5	Pass
					3.85	0.315	0.0004	-2.5 to 2.5	Pass
					4.43	0.629	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.558	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-0.415	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.944	0.0013	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.443	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	0.558	0.0008	-2.5 to 2.5	Pass
					3.85	0.472	0.0007	-2.5 to 2.5	Pass
					4.43	0.644	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.372	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				10	3.85	0.801	0.0011	-2.5 to 2.5	Pass
				30	3.85	0.801	0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.072	0.0001	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-0.587	-0.0008	-2.5 to 2.5	Pass
					3.85	-0.157	-0.0002	-2.5 to 2.5	Pass

					4.43	-0.587	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.044	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.386	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.431	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.243	-0.0003	-2.5 to 2.5	Pass
					3.85	-0.029	0.0000	-2.5 to 2.5	Pass
					4.43	-0.472	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.315	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
				50	3.85	0.057	0.0001	-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	-0.730	-0.0010	-2.5 to 2.5	Pass
					3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
					4.43	-0.086	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.273	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
	707.5	50	0	50	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				20	3.27	-0.744	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.744	-0.0011	-2.5 to 2.5	Pass
					4.43	-0.601	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
	711	50	0	40	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-1.445	-0.0020	-2.5 to 2.5	Pass
				20	3.27	0.272	0.0004	-2.5 to 2.5	Pass
					3.85	0.072	0.0001	-2.5 to 2.5	Pass
					4.43	-0.300	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.801	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass

16QAM	704	50	0	40	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				20	3.27	-0.300	-0.0004	-2.5 to 2.5	Pass
					3.85	0.086	0.0001	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
	707.5	50	0	30	3.85	-0.458	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				20	3.27	-0.443	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.858	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.187	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
	711	50	0	10	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.801	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
				20	3.27	0.343	0.0005	-2.5 to 2.5	Pass
					3.85	0.086	0.0001	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.815	-0.0011	-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 / NTV						
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

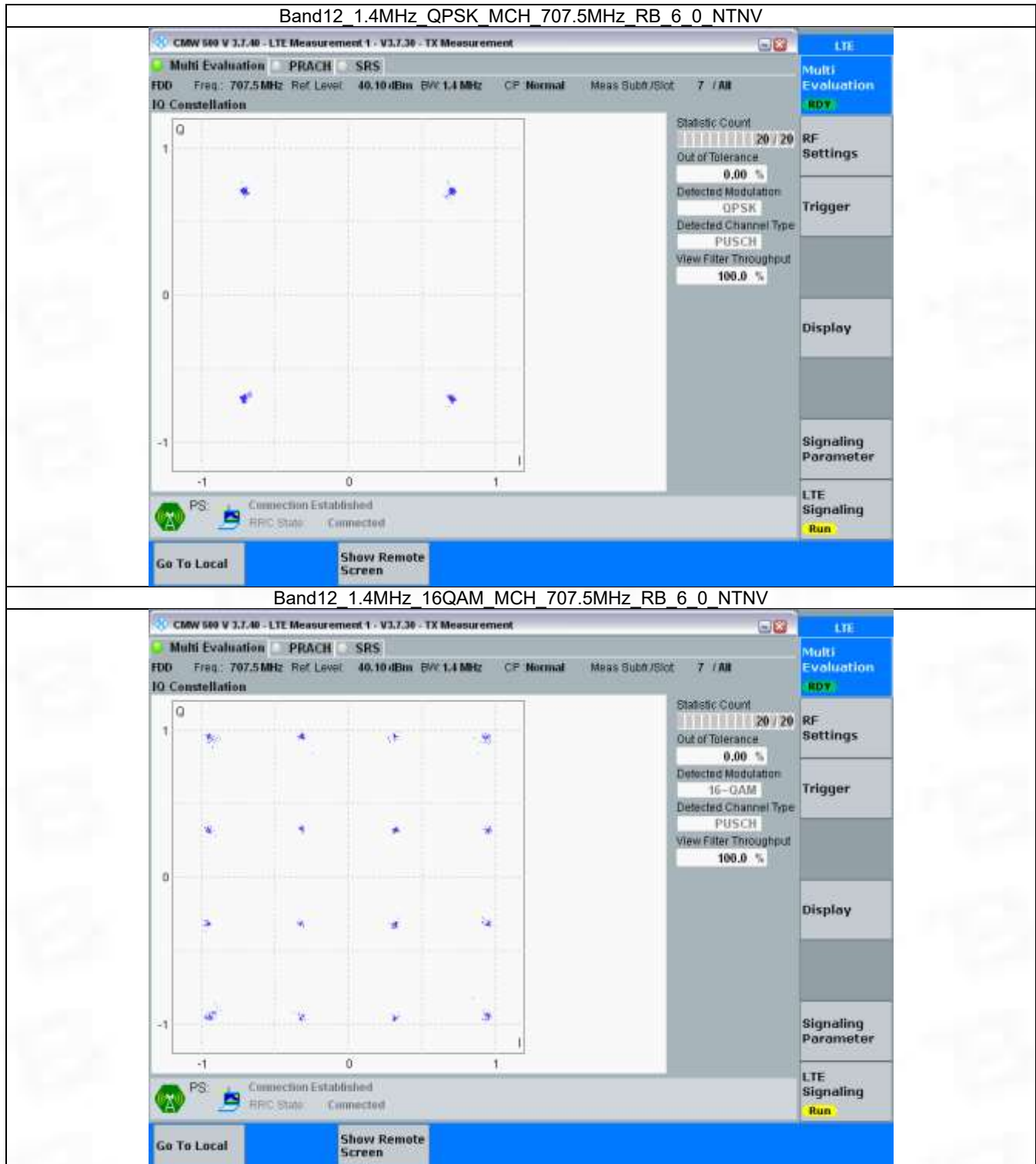
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

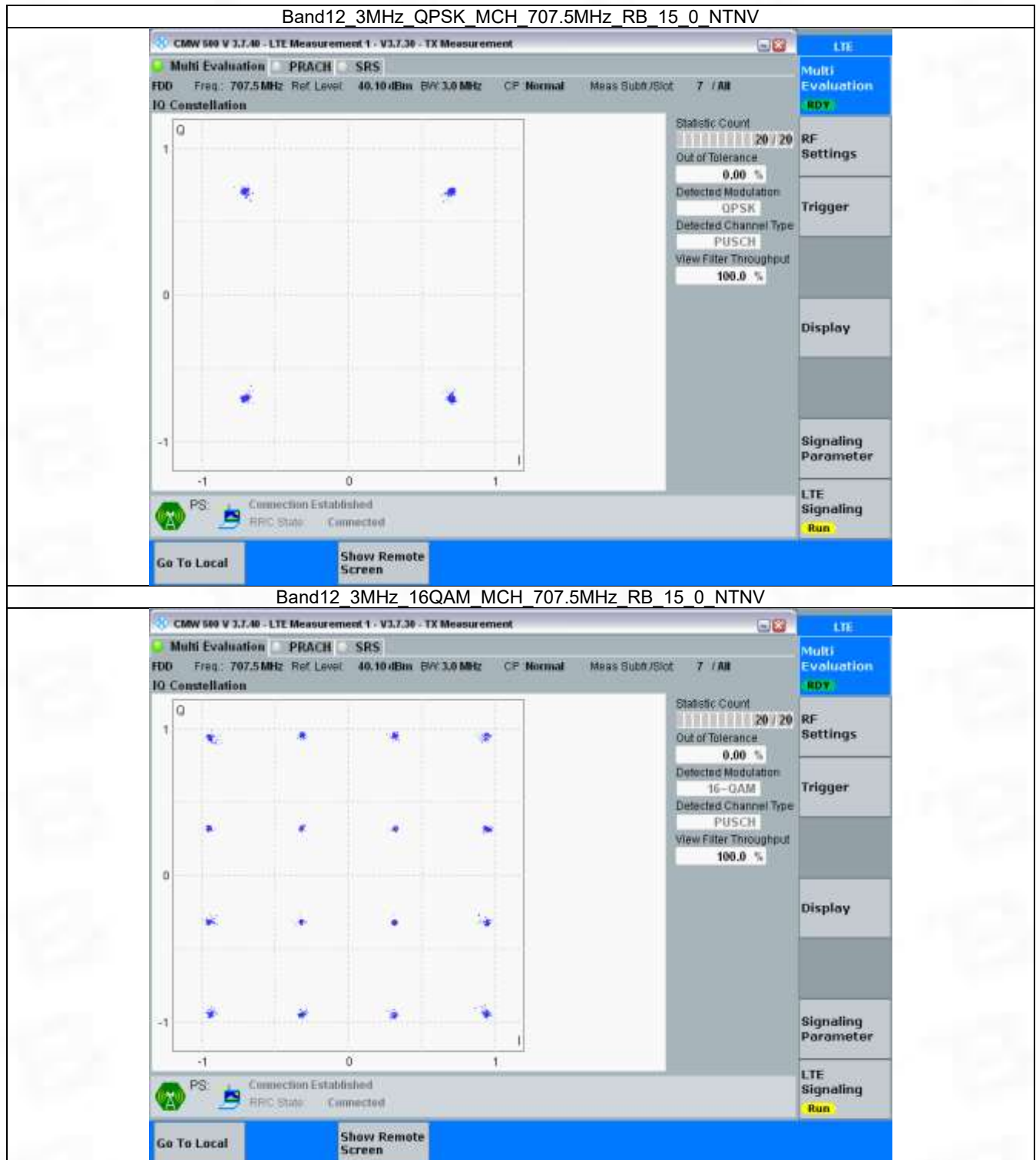
Band: 12 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B12_1.4MHz

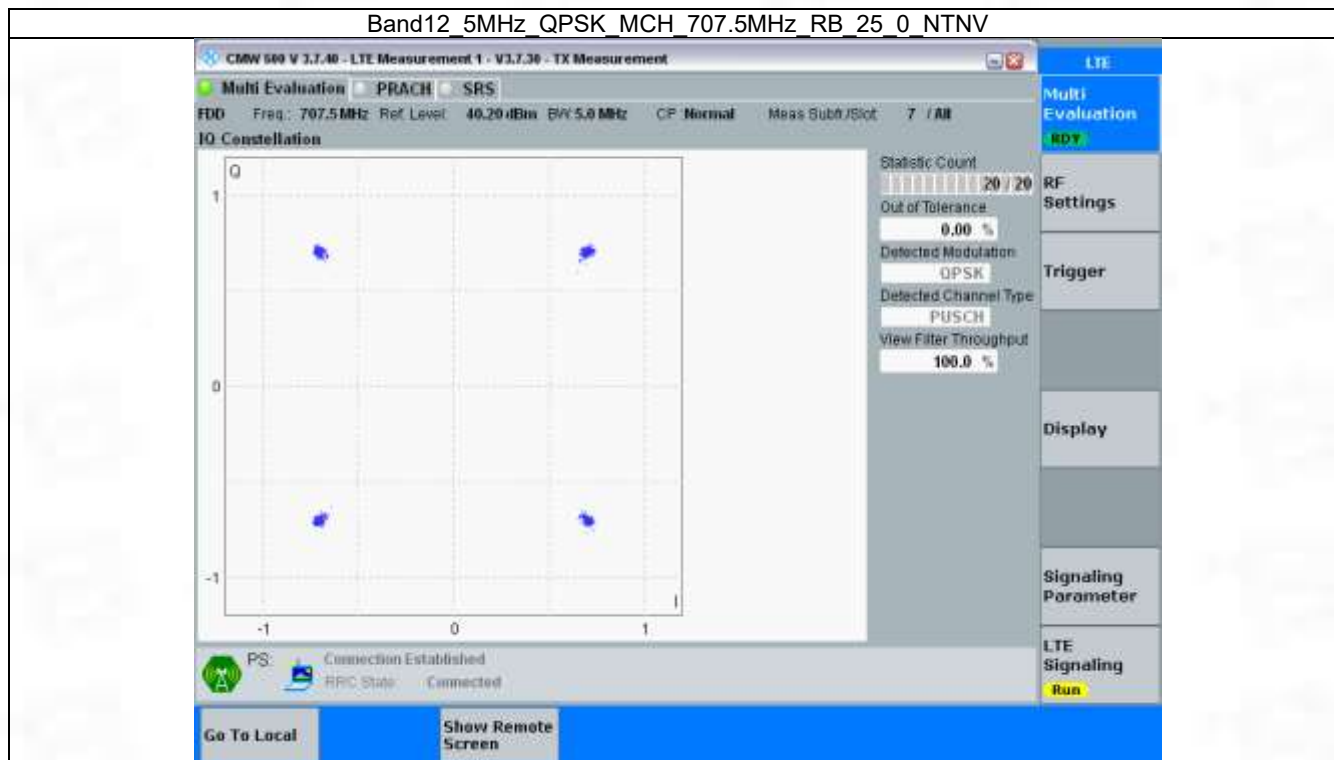


3.2.2 B12_3MHz

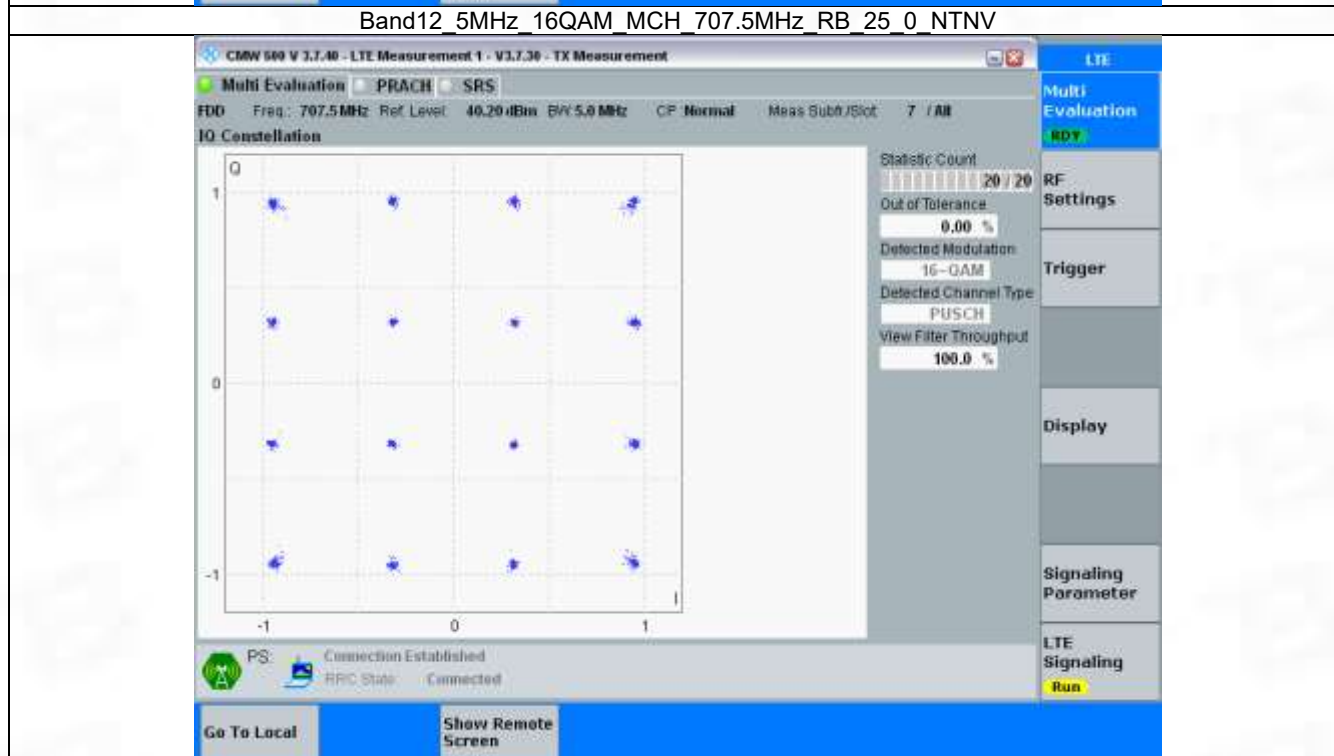


3.2.3 B12_5MHz

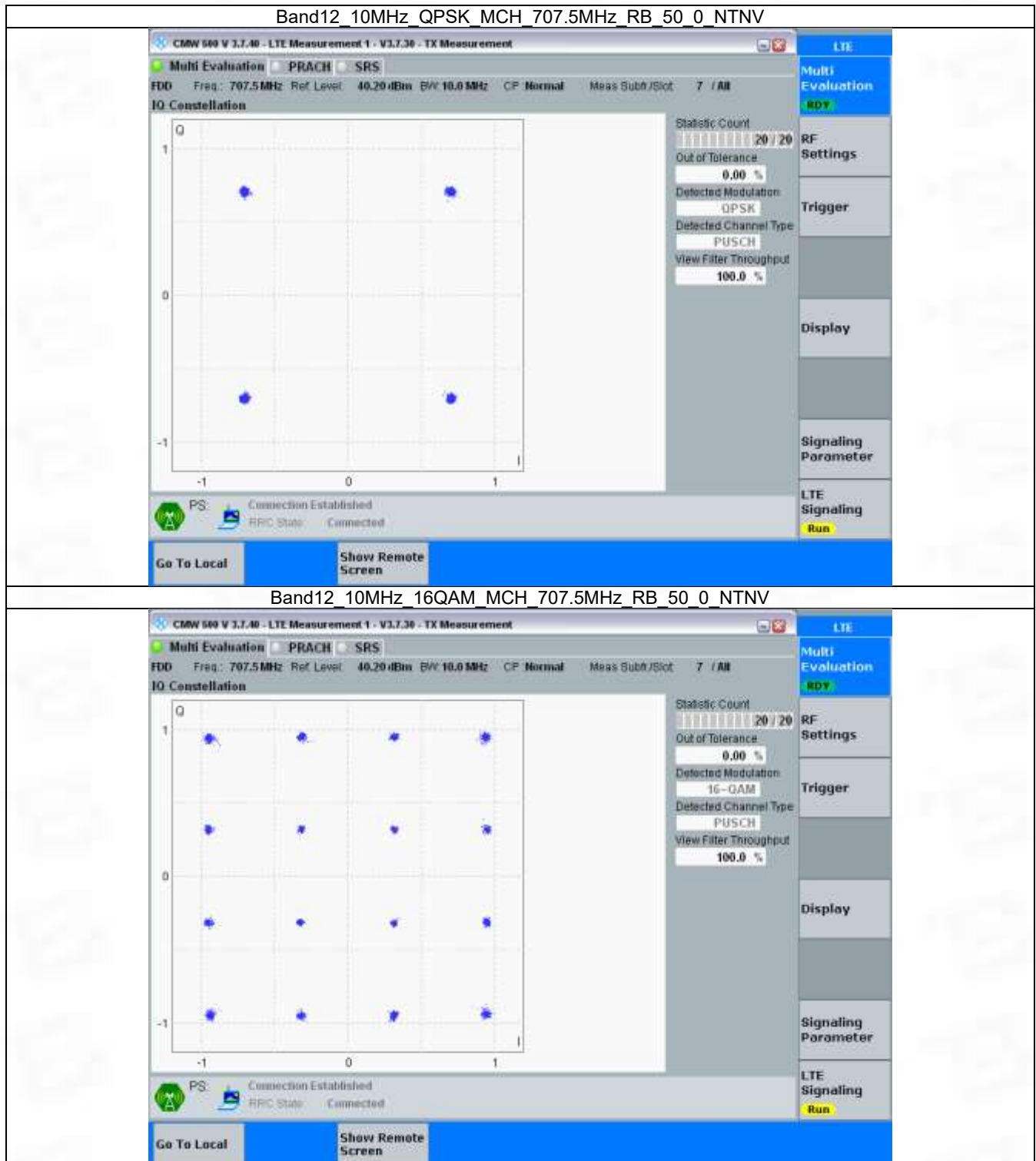
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



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	1.107	/	Pass
		707.5	6	0	1.103	/	Pass
		715.3	6	0	1.106	/	Pass
	16QAM	699.7	6	0	1.103	/	Pass
		707.5	6	0	1.099	/	Pass
		715.3	6	0	1.103	/	Pass
3	QPSK	700.5	15	0	2.722	/	Pass
		707.5	15	0	2.717	/	Pass
		714.5	15	0	2.720	/	Pass
	16QAM	700.5	15	0	2.713	/	Pass
		707.5	15	0	2.715	/	Pass
		714.5	15	0	2.714	/	Pass
5	QPSK	701.5	25	0	4.552	/	Pass
		707.5	25	0	4.563	/	Pass
		713.5	25	0	4.549	/	Pass
	16QAM	701.5	25	0	4.544	/	Pass
		707.5	25	0	4.548	/	Pass
		713.5	25	0	4.593	/	Pass
10	QPSK	704	50	0	9.032	/	Pass
		707.5	50	0	9.045	/	Pass
		711	50	0	9.130	/	Pass
	16QAM	704	50	0	9.025	/	Pass
		707.5	50	0	9.050	/	Pass
		711	50	0	9.091	/	Pass

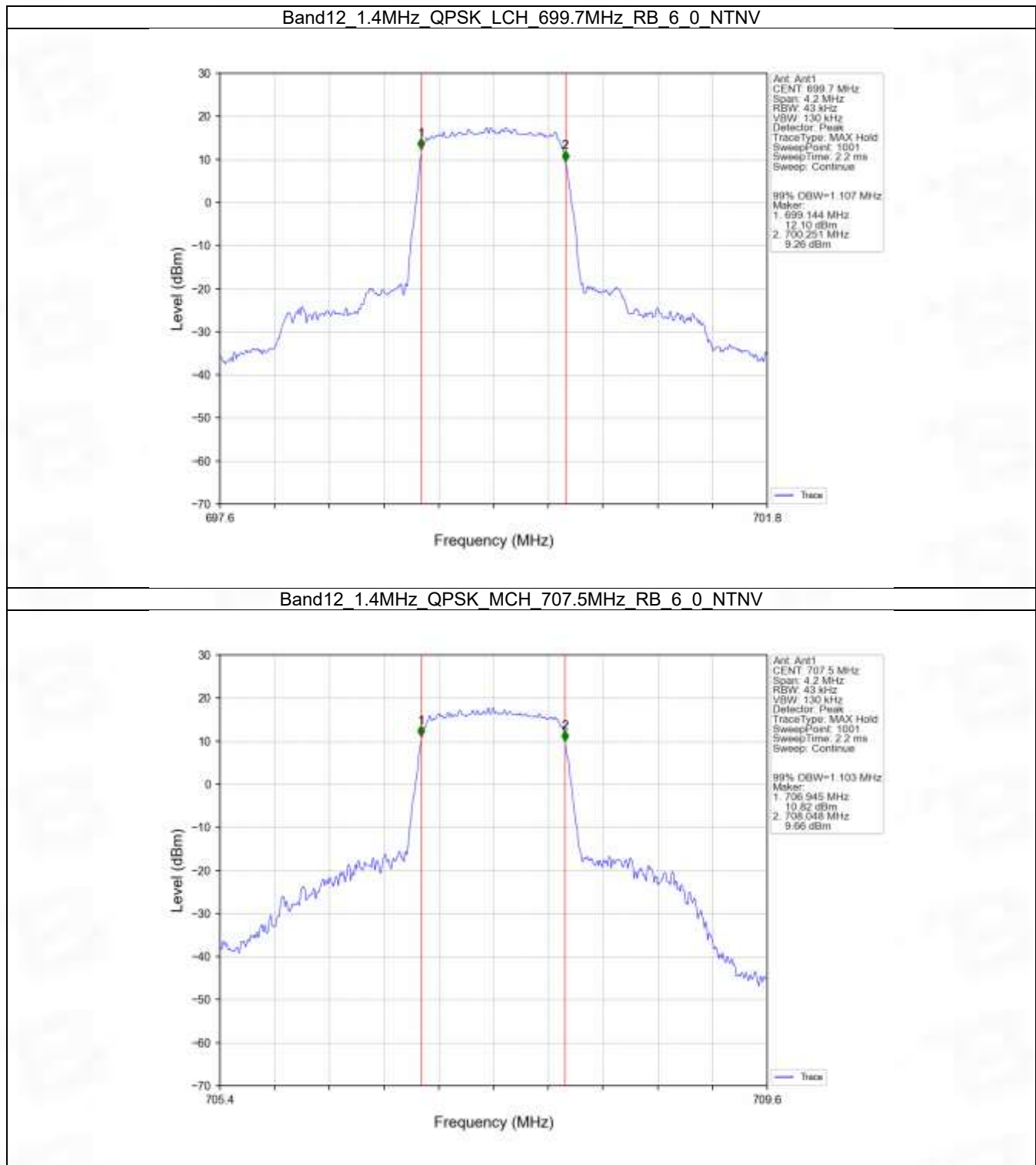
4.1.2 Band12_XDB

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	1.270	/	Pass
		707.5	6	0	1.262	/	Pass
		715.3	6	0	1.260	/	Pass
	16QAM	699.7	6	0	1.274	/	Pass
		707.5	6	0	1.266	/	Pass
		715.3	6	0	1.266	/	Pass
3	QPSK	700.5	15	0	2.983	/	Pass
		707.5	15	0	2.961	/	Pass
		714.5	15	0	2.973	/	Pass
	16QAM	700.5	15	0	2.975	/	Pass
		707.5	15	0	2.976	/	Pass
		714.5	15	0	2.973	/	Pass
5	QPSK	701.5	25	0	5.067	/	Pass
		707.5	25	0	5.049	/	Pass
		713.5	25	0	5.066	/	Pass

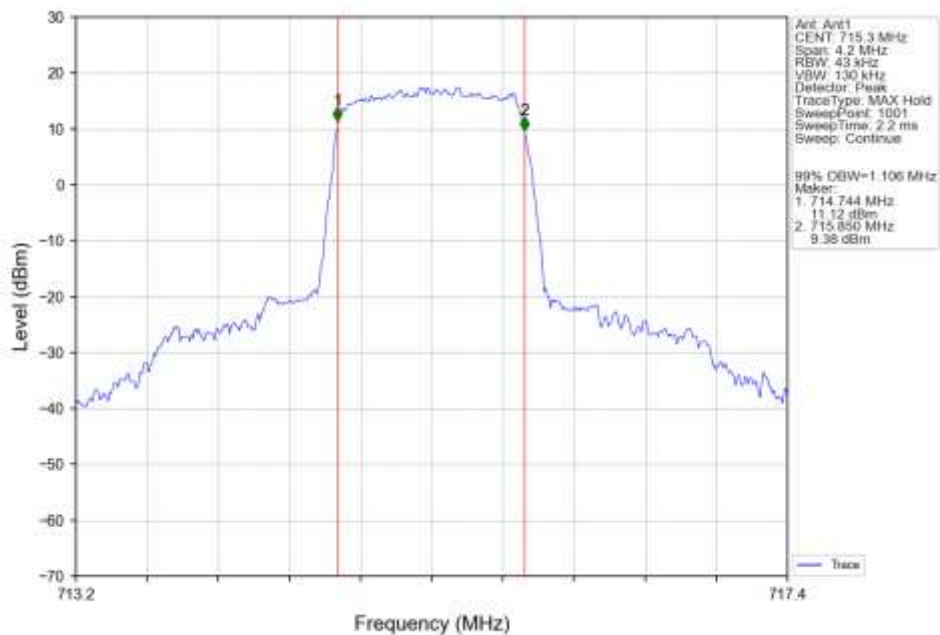
10	16QAM	701.5	25	0	5.075	/	Pass
		707.5	25	0	5.021	/	Pass
		713.5	25	0	5.068	/	Pass
	QPSK	704	50	0	10.007	/	Pass
		707.5	50	0	10.050	/	Pass
		711	50	0	10.147	/	Pass
	16QAM	704	50	0	10.055	/	Pass
		707.5	50	0	9.951	/	Pass
		711	50	0	10.119	/	Pass

4.2 Test Graph

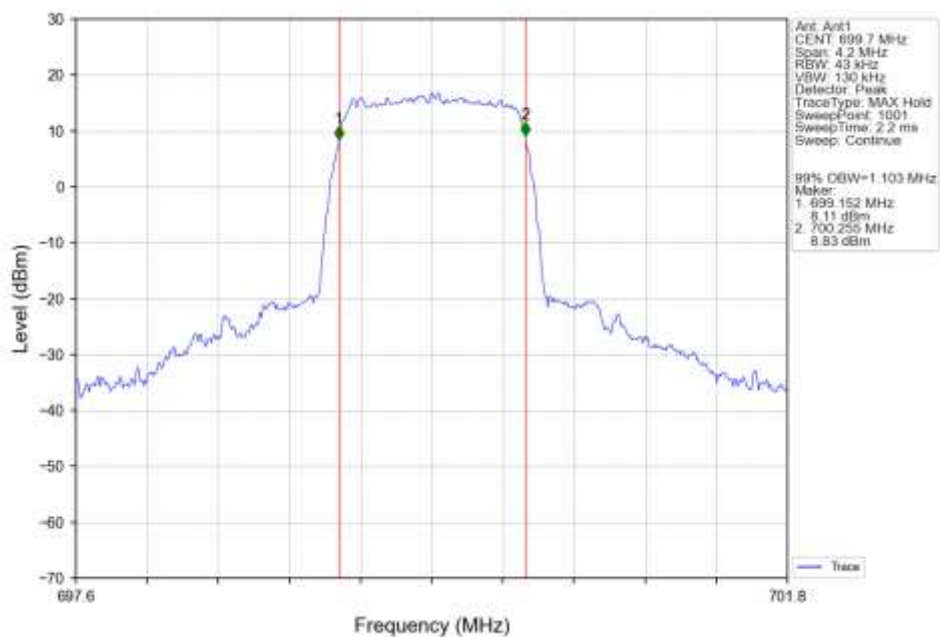
4.2.1 Band12_OBW



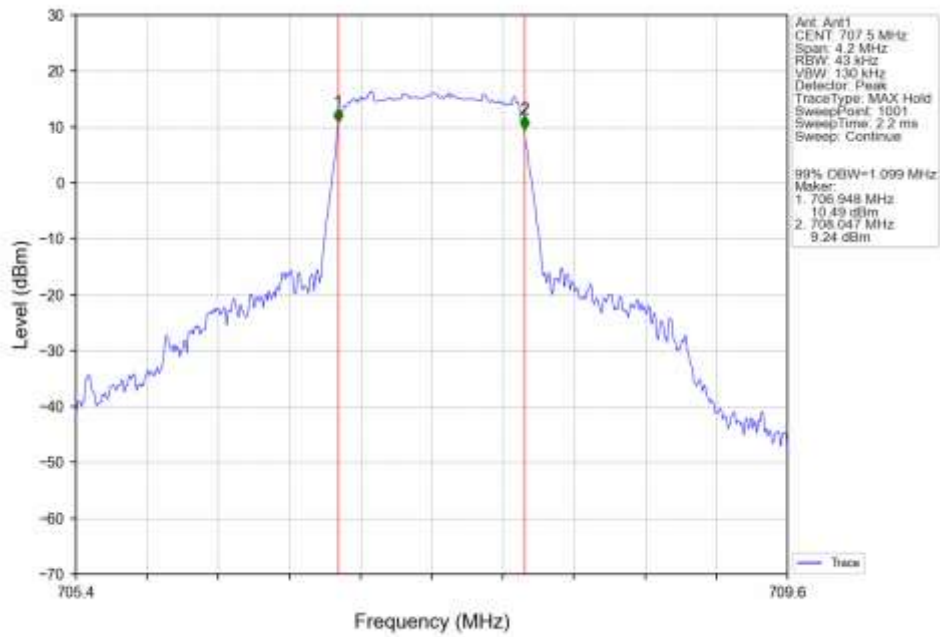
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



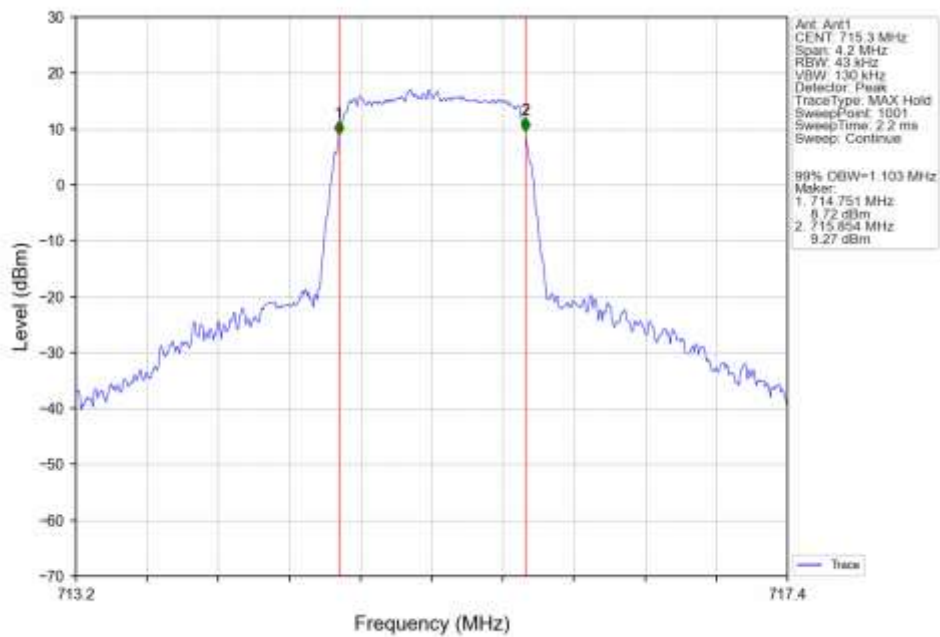
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



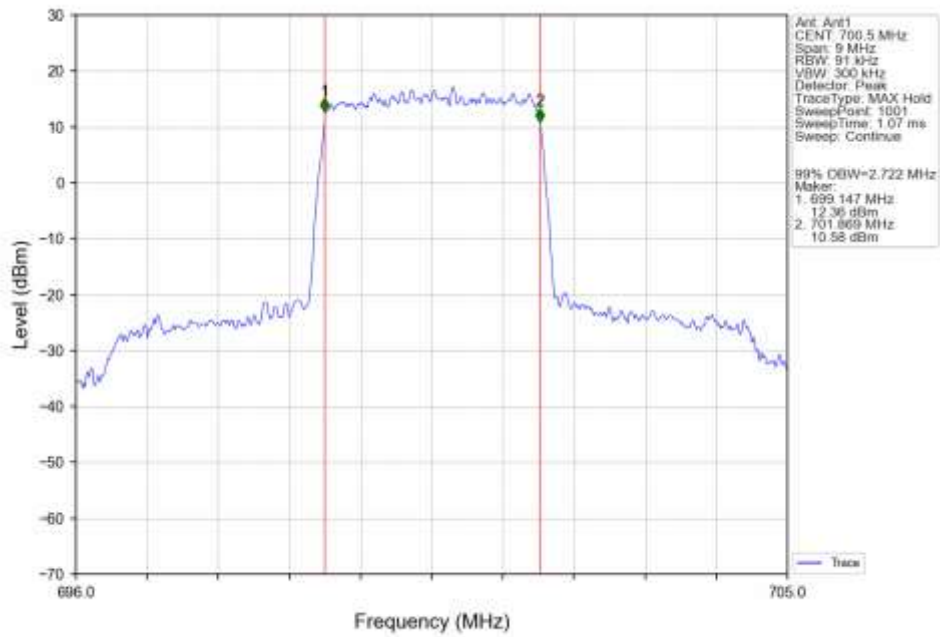
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



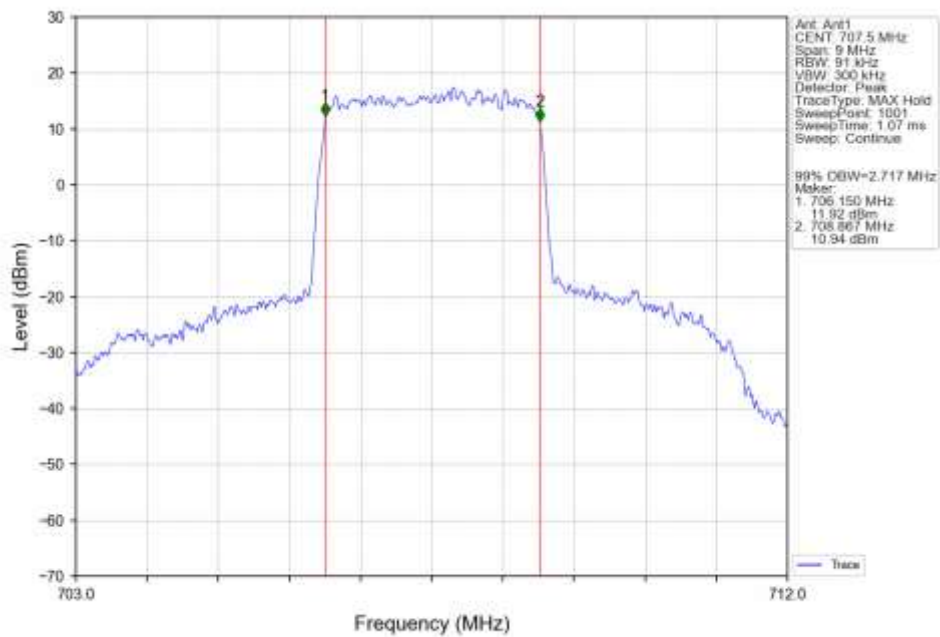
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



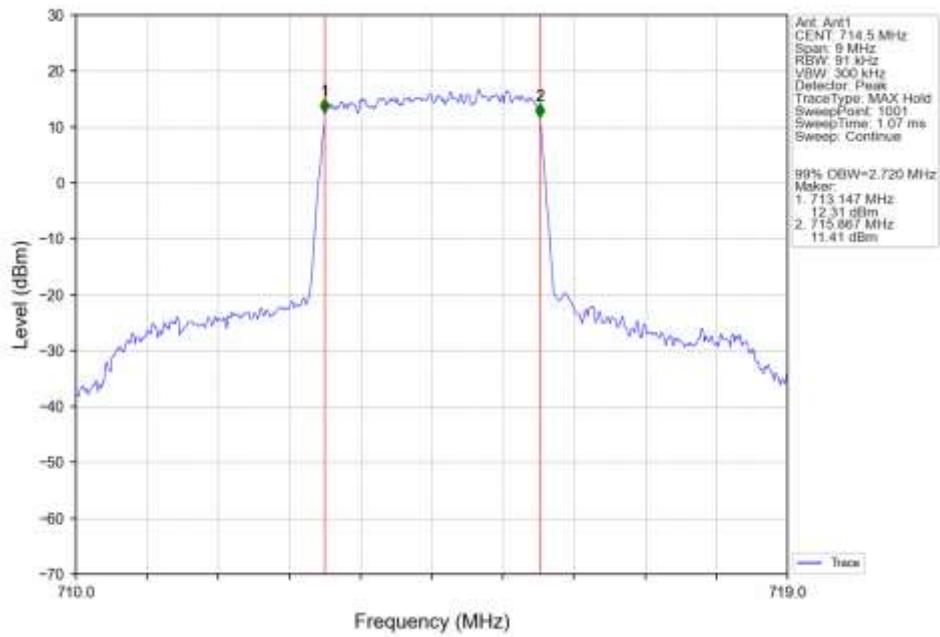
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



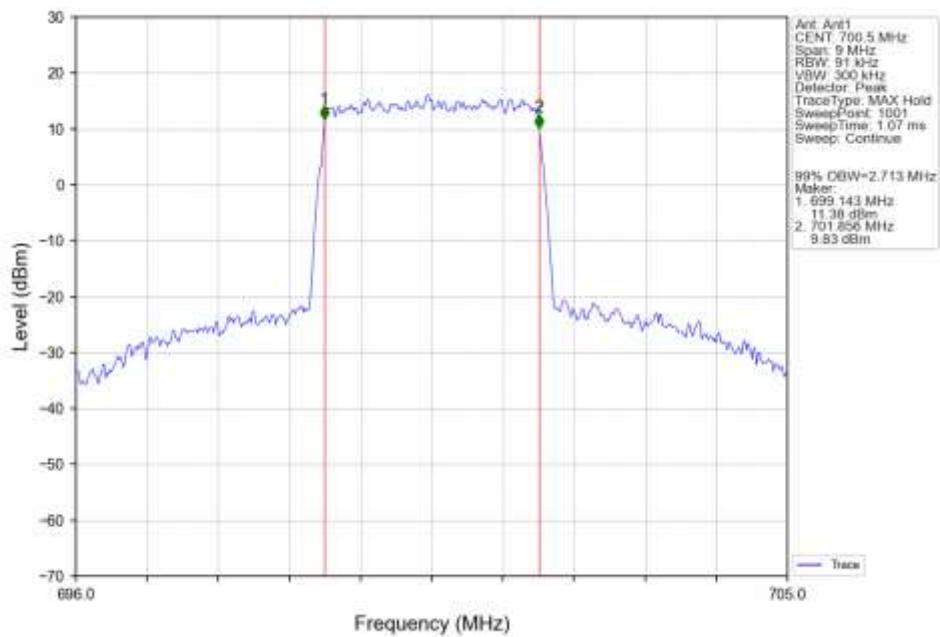
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



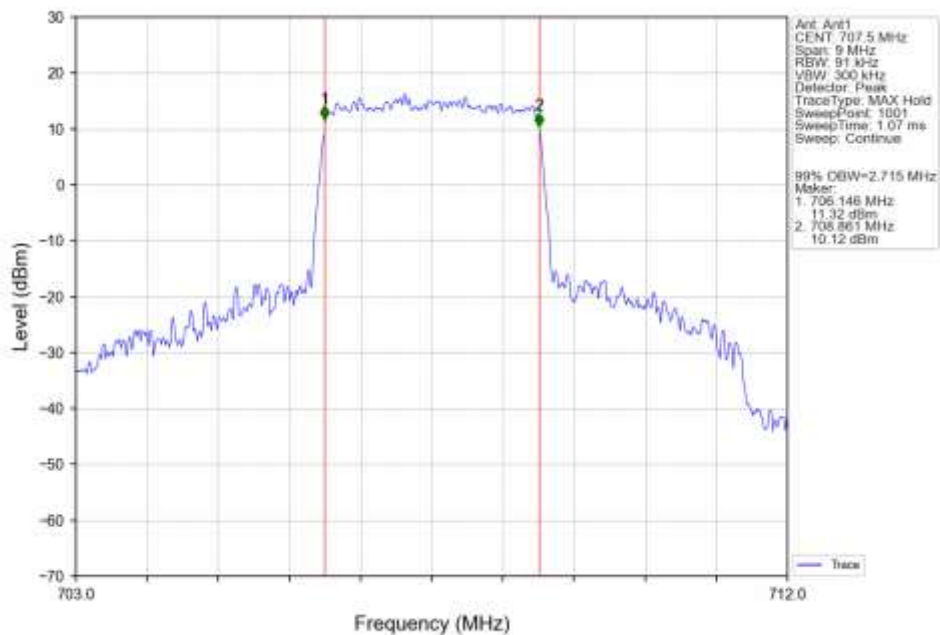
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



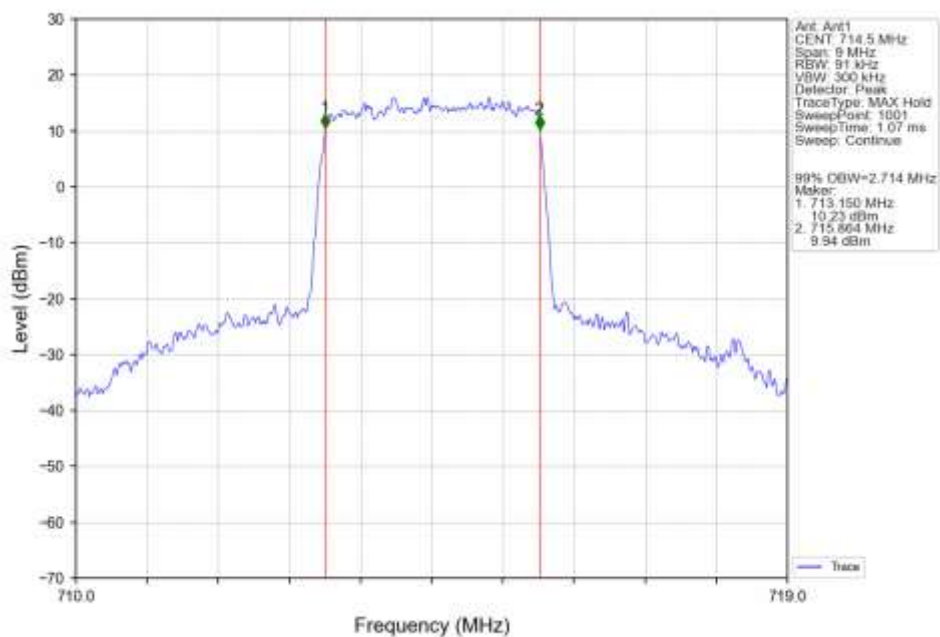
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



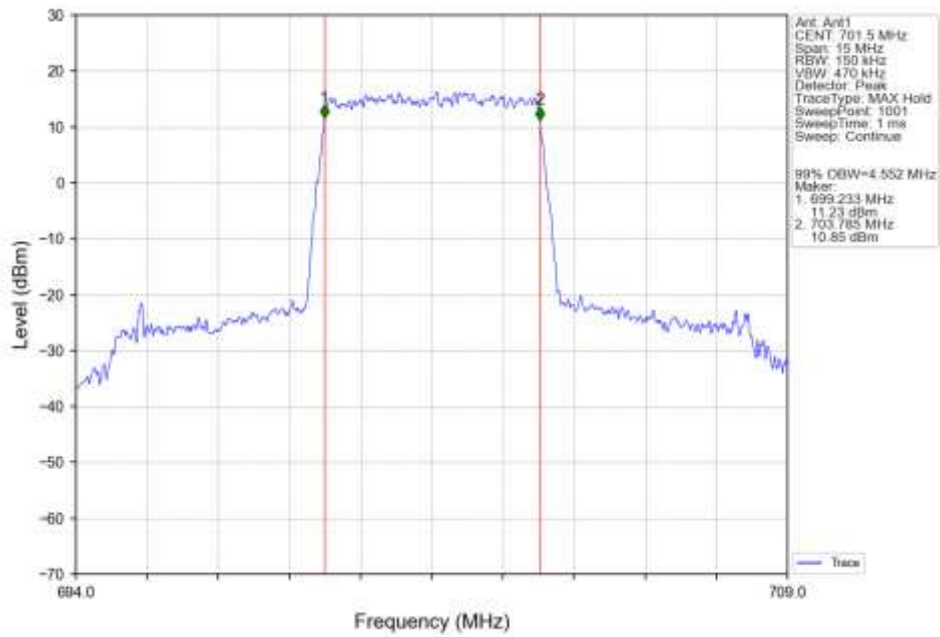
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



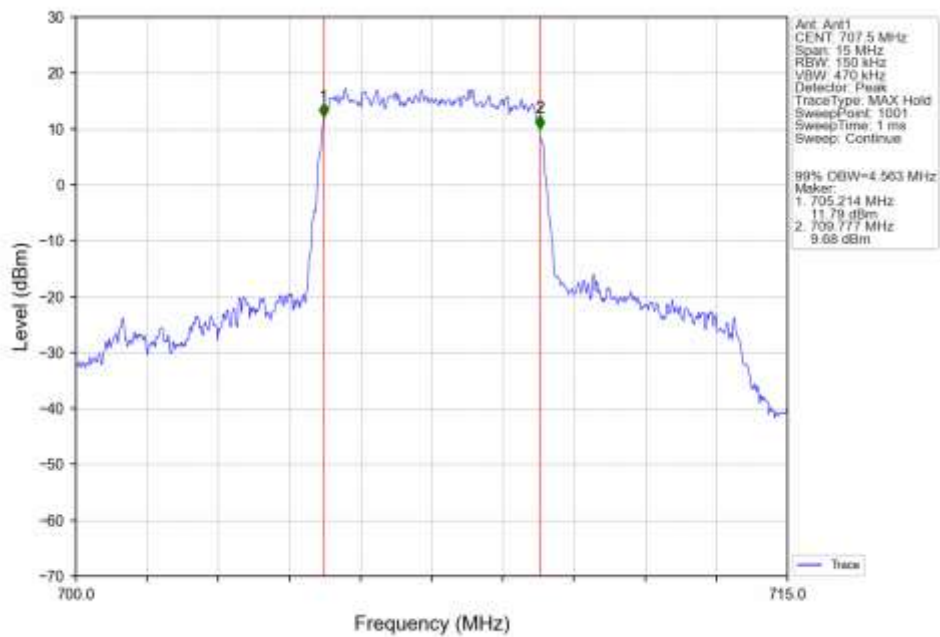
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



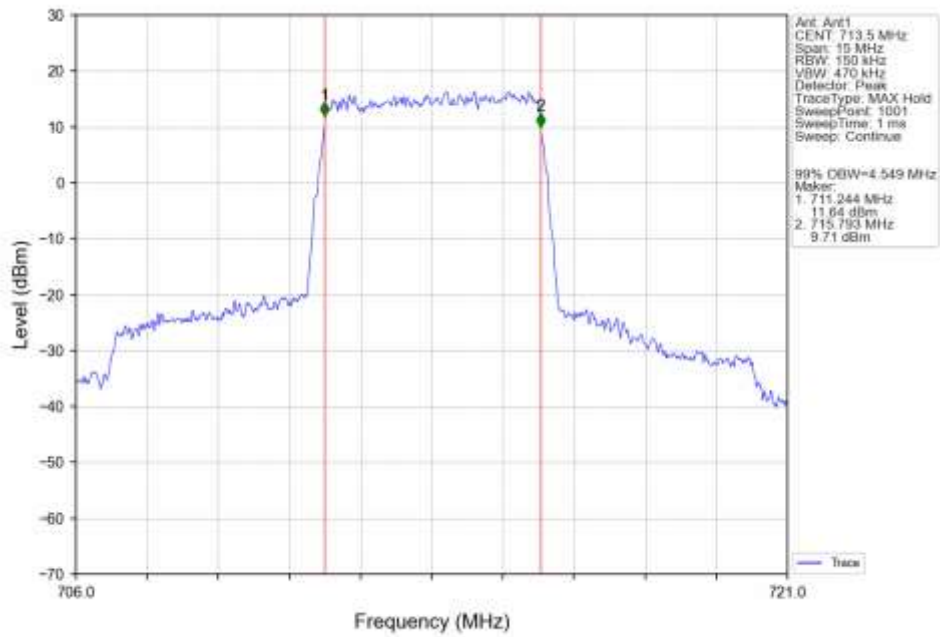
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



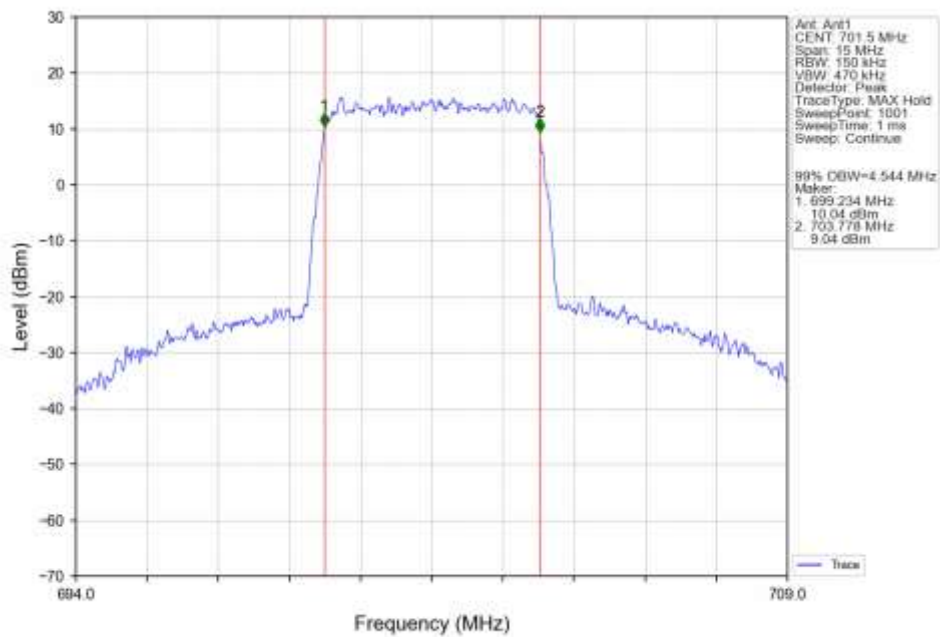
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



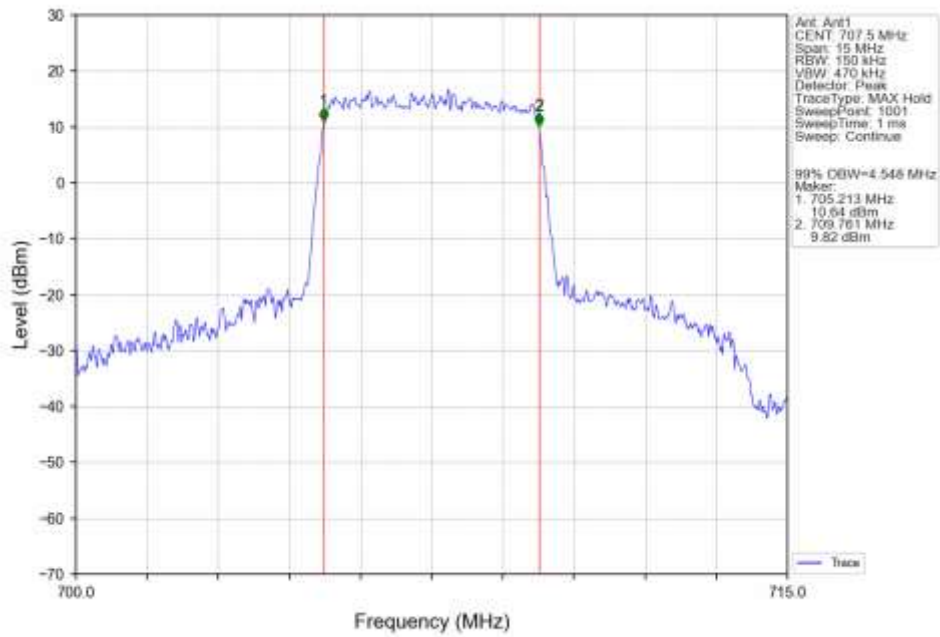
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



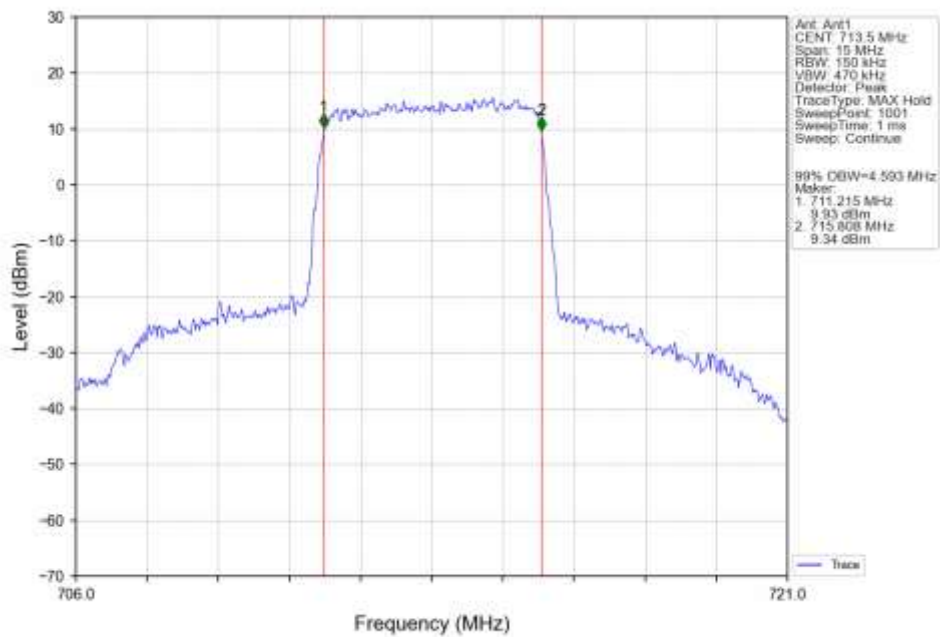
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



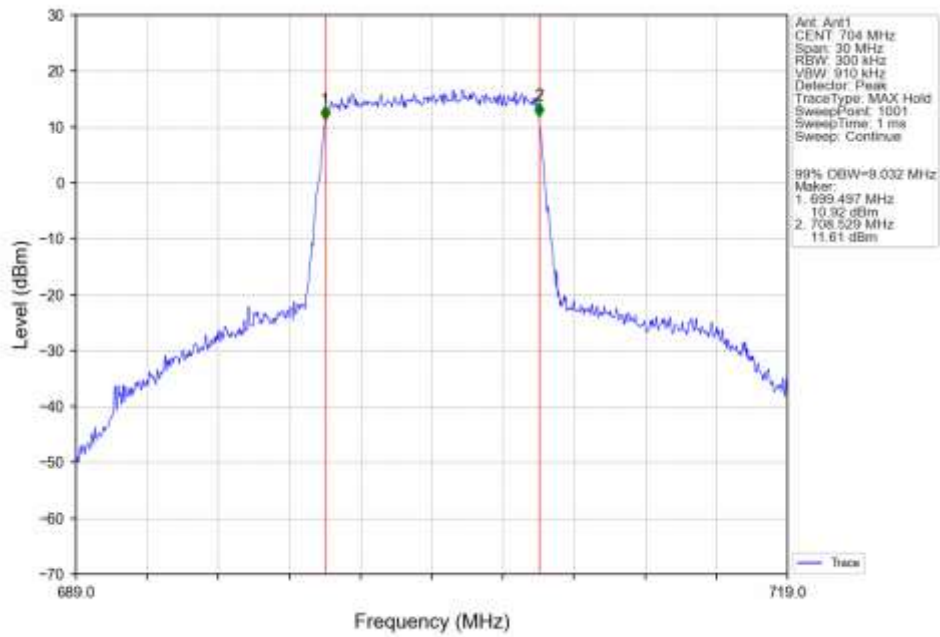
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTV



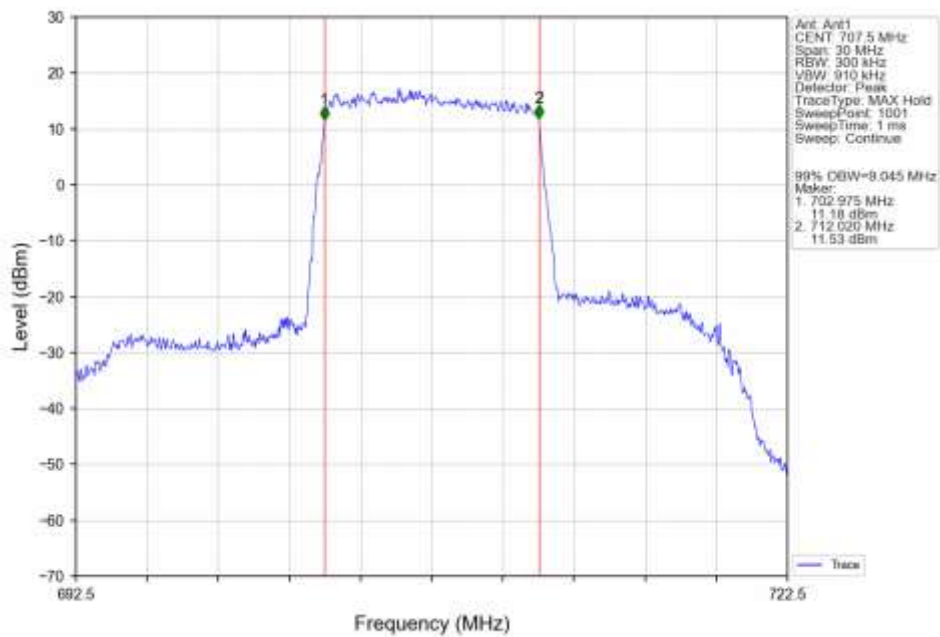
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV



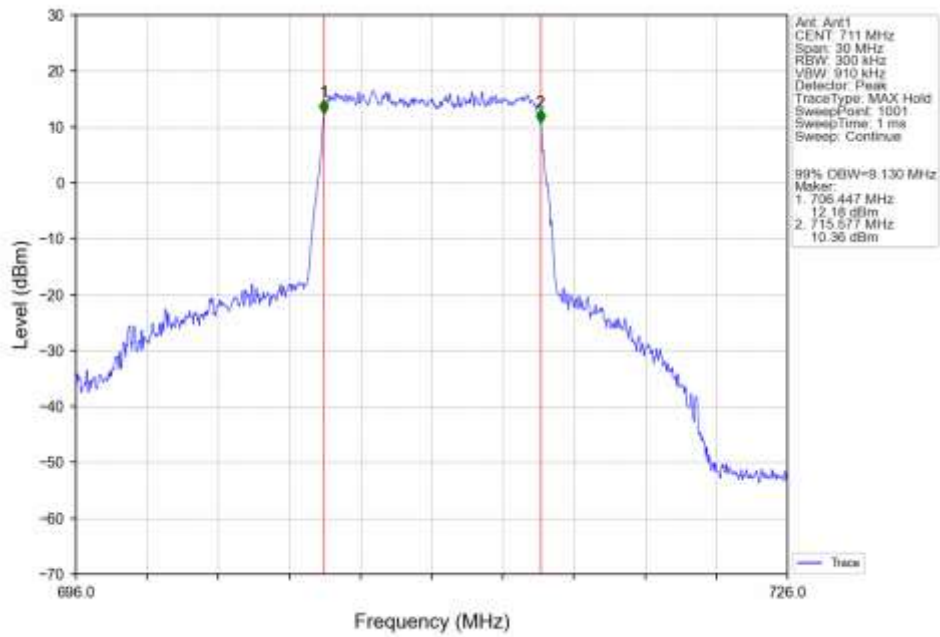
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



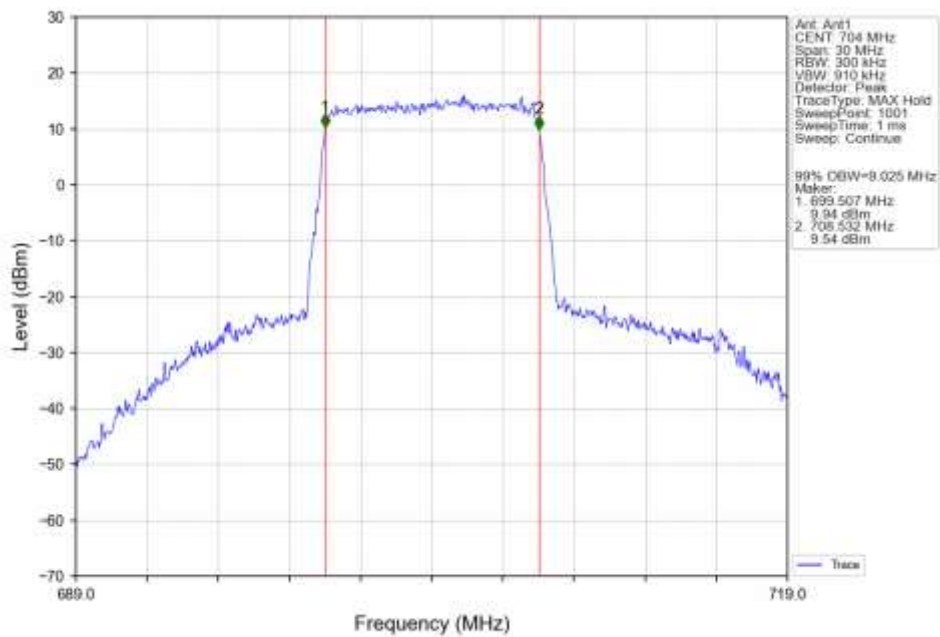
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



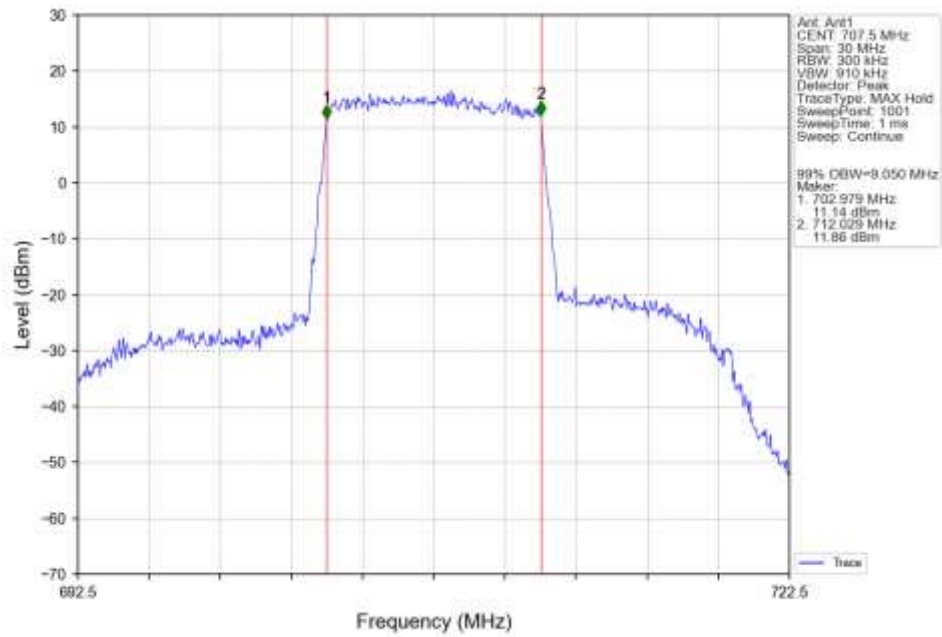
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTNV



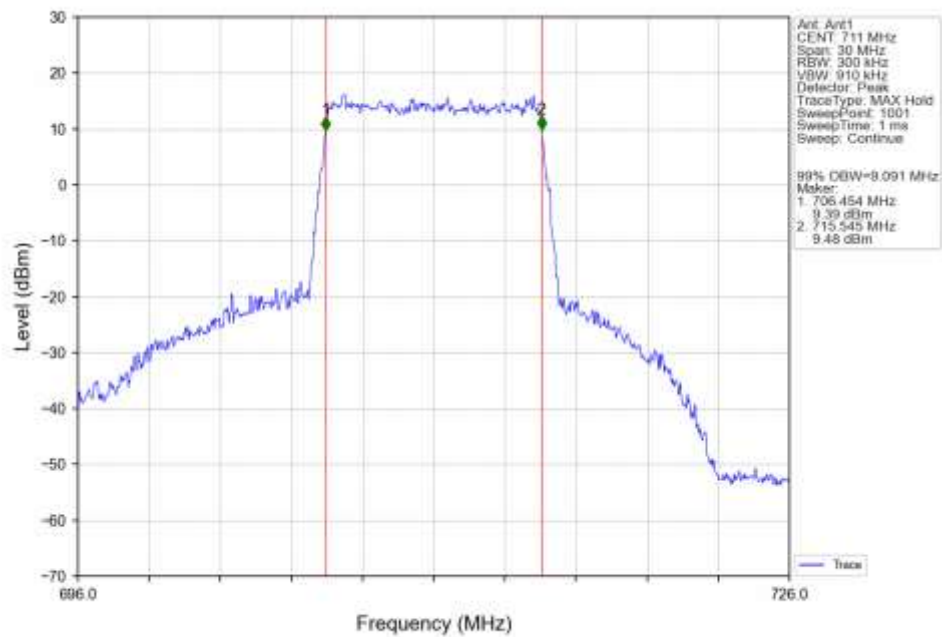
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTNV

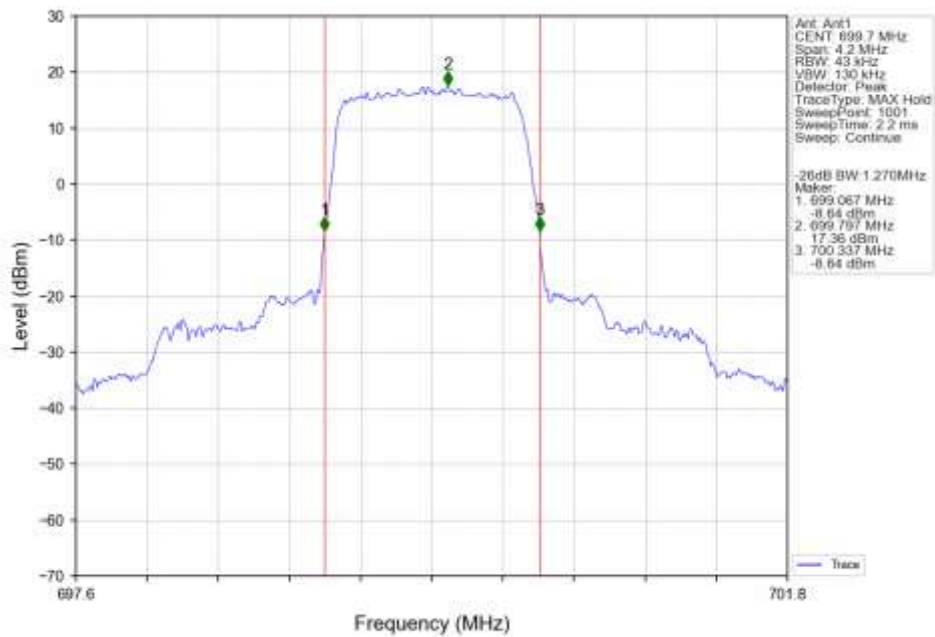


Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTNV

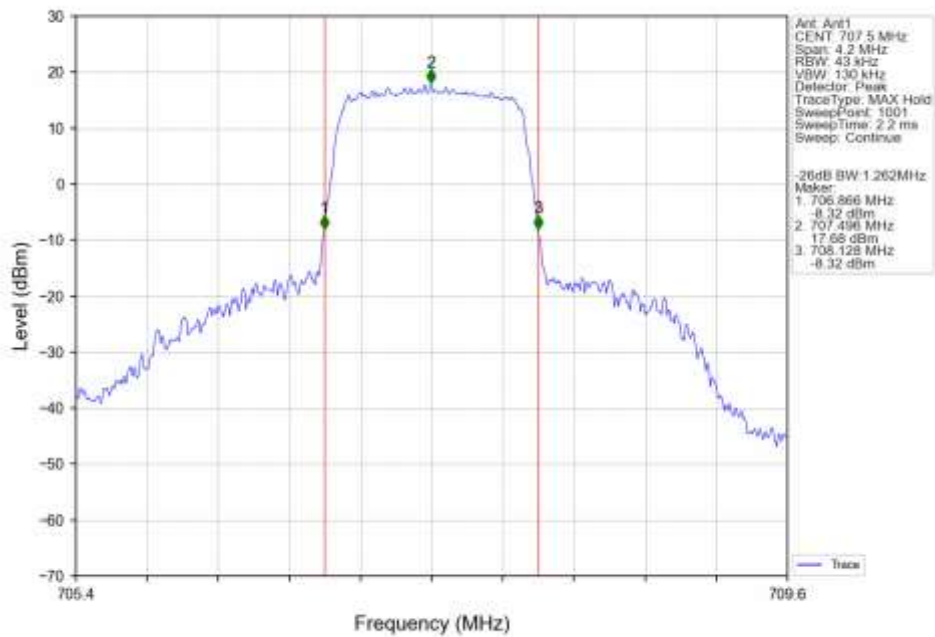


4.2.2 Band12_XDB

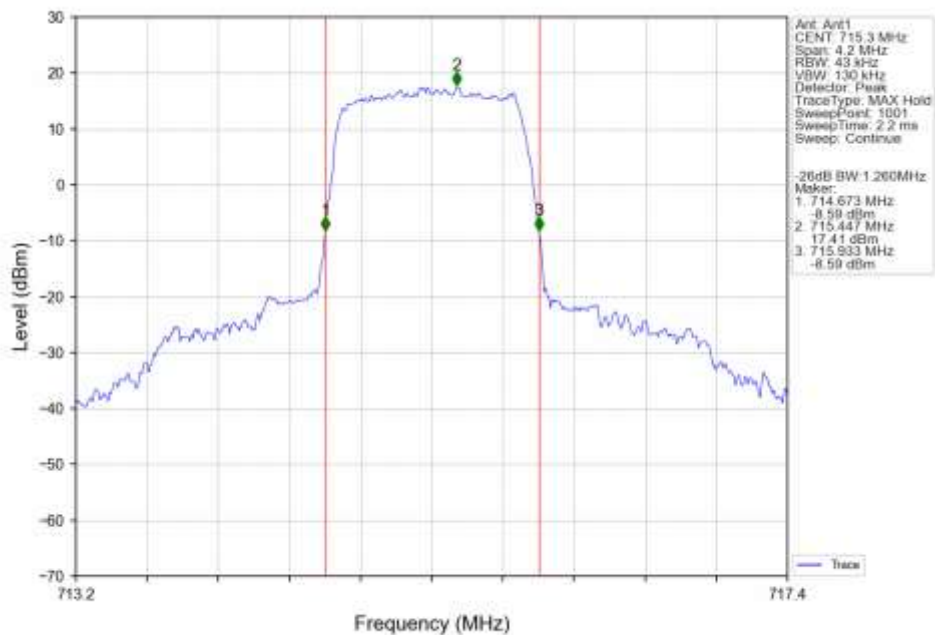
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



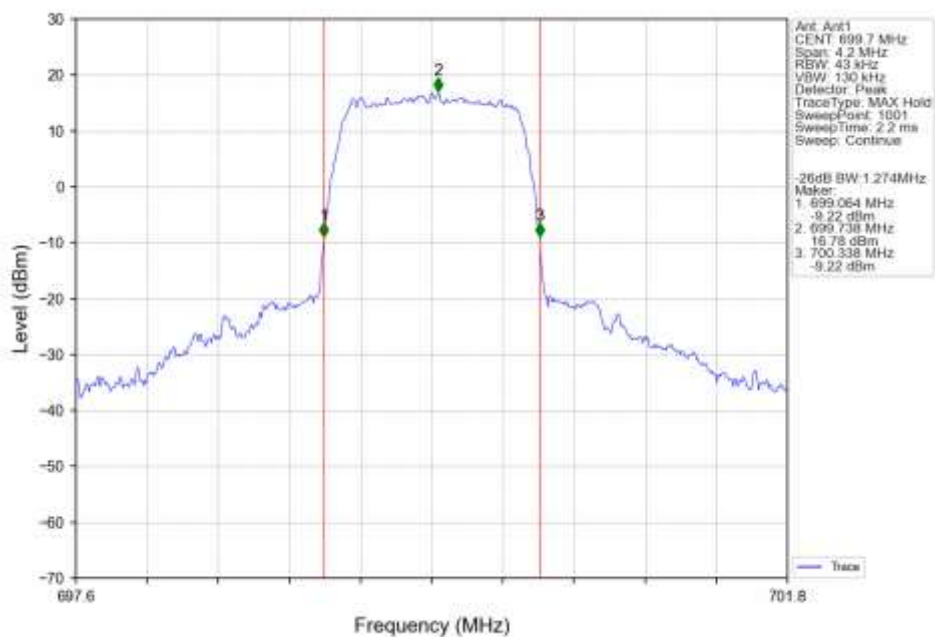
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV



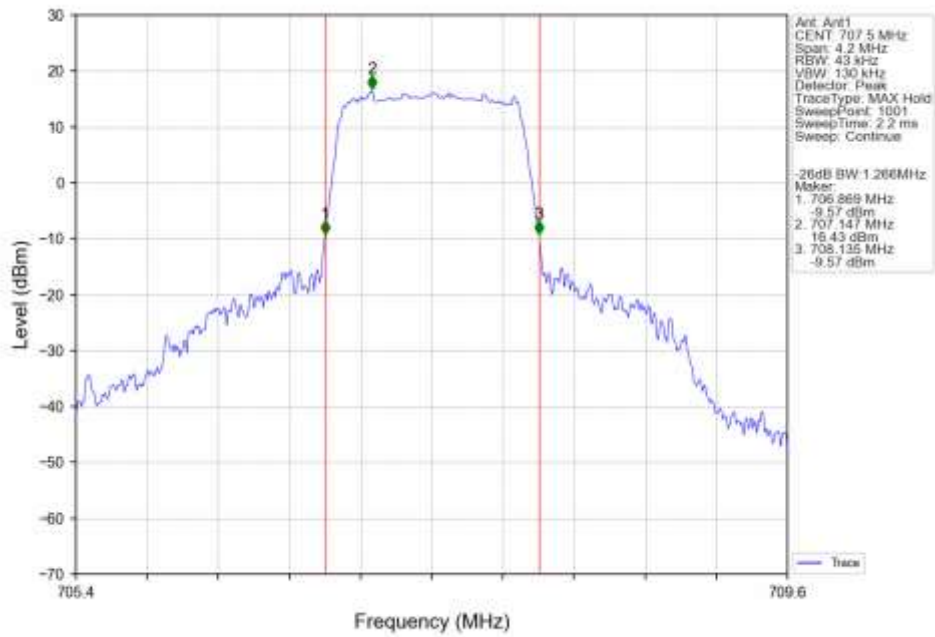
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



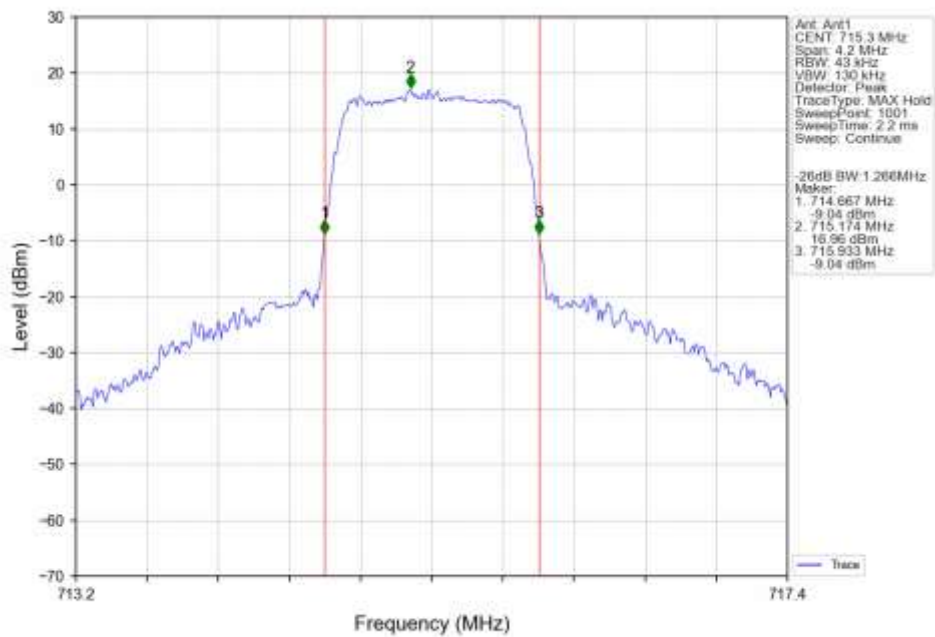
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



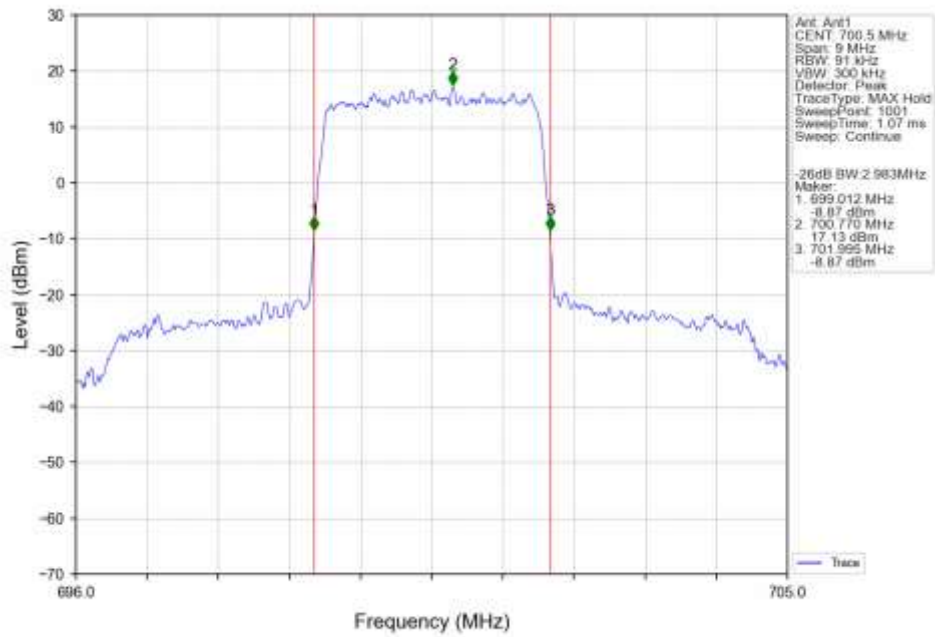
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



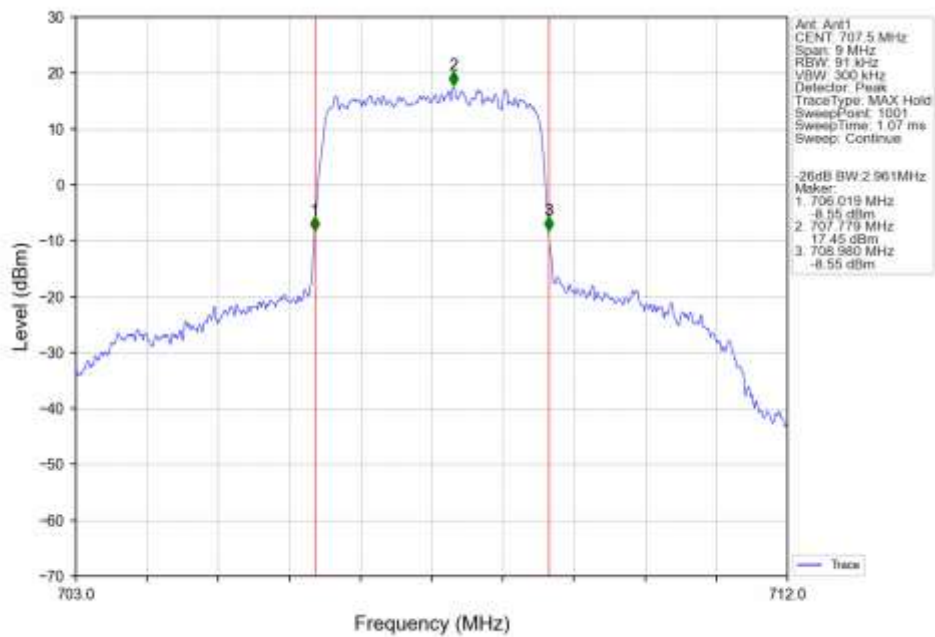
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



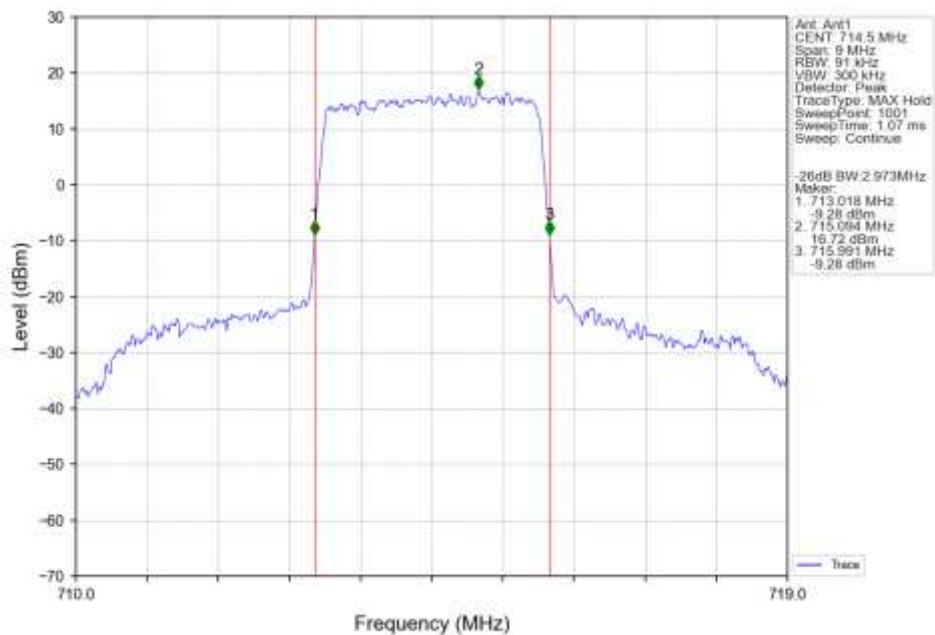
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



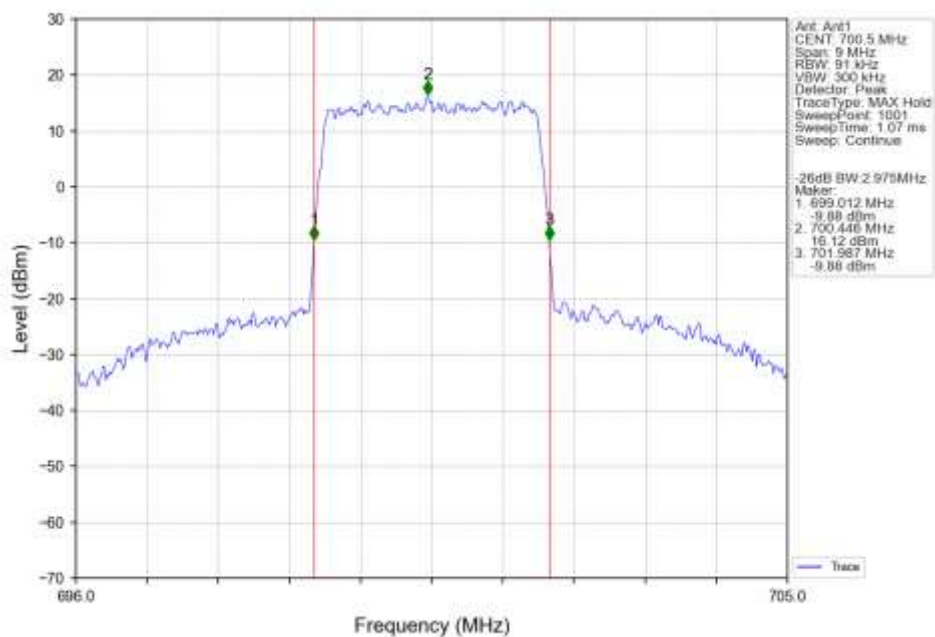
Band12 3MHz QPSK MCH 707.5MHz RB 15 0 NTNV



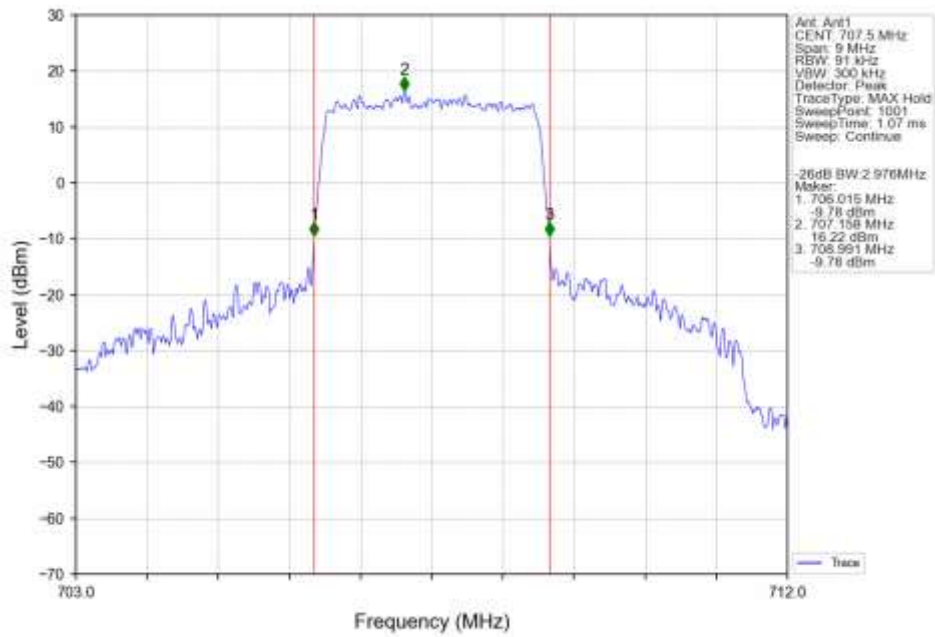
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



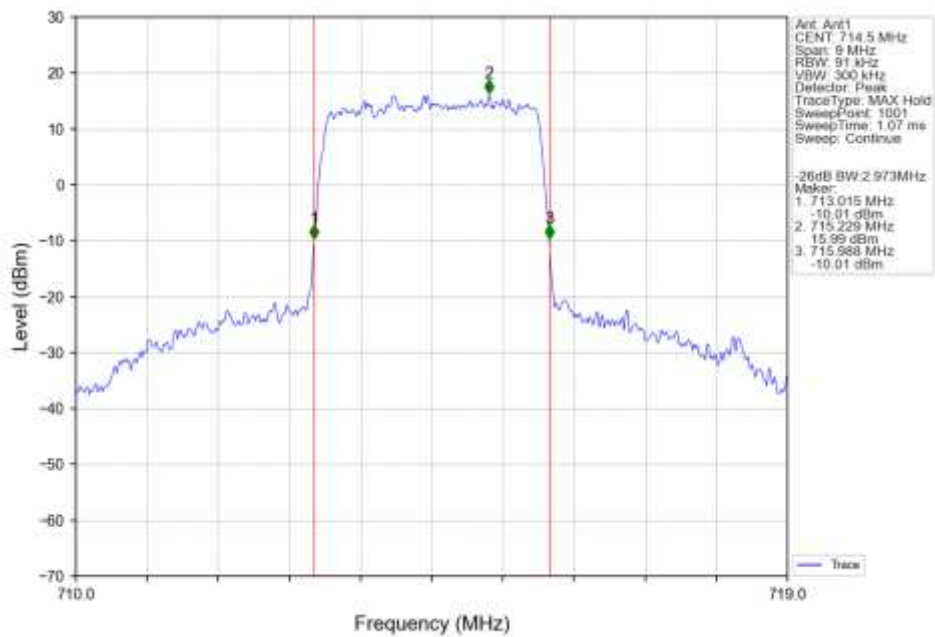
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



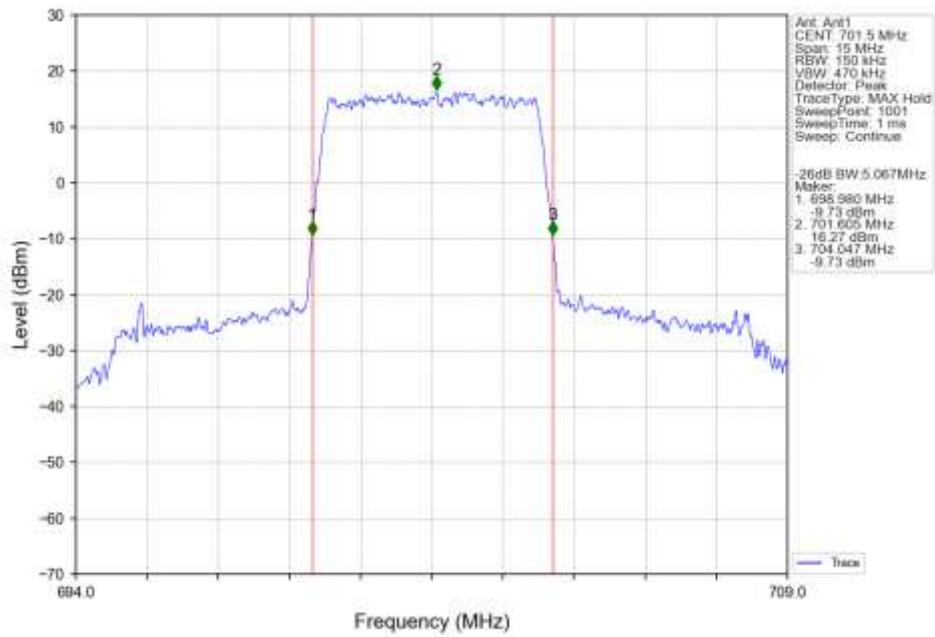
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV



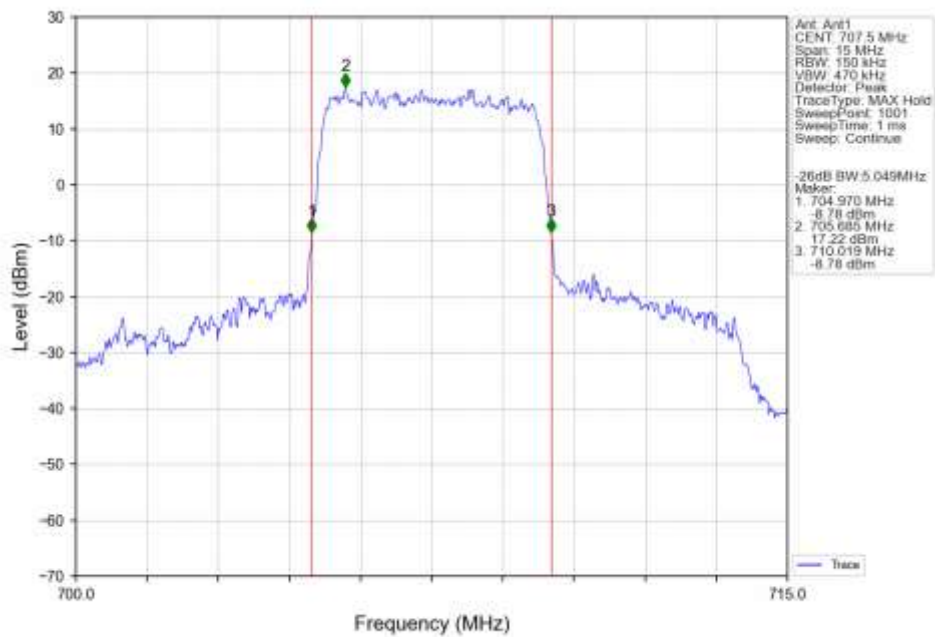
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



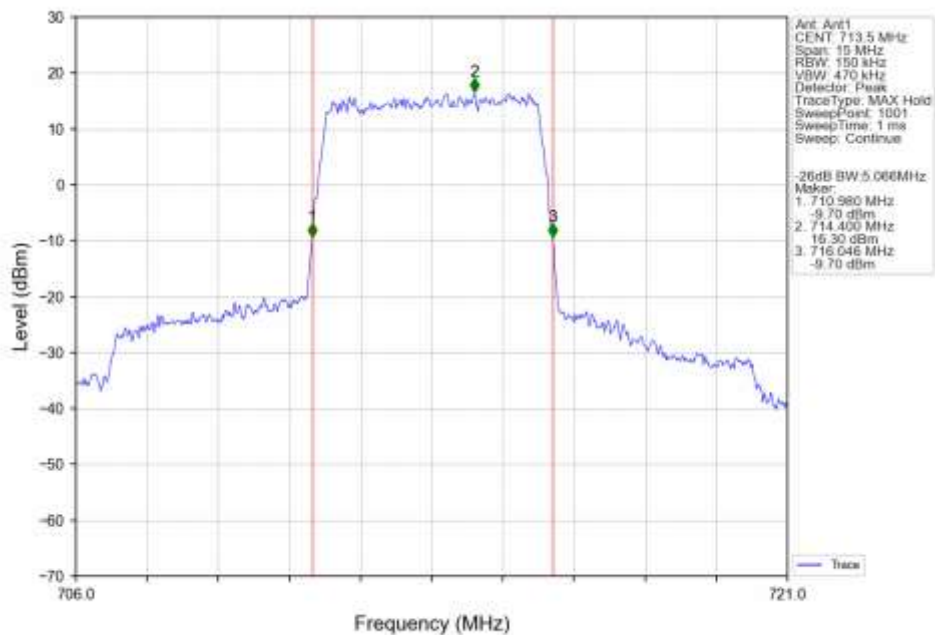
Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV



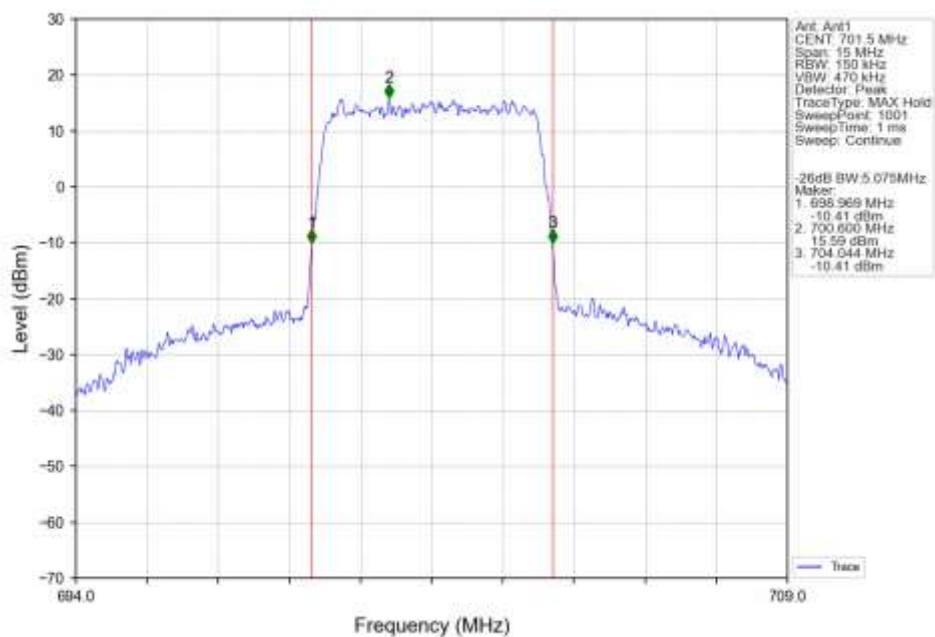
Band12 5MHz QPSK MCH 707.5MHz RB 25 0 NTNV



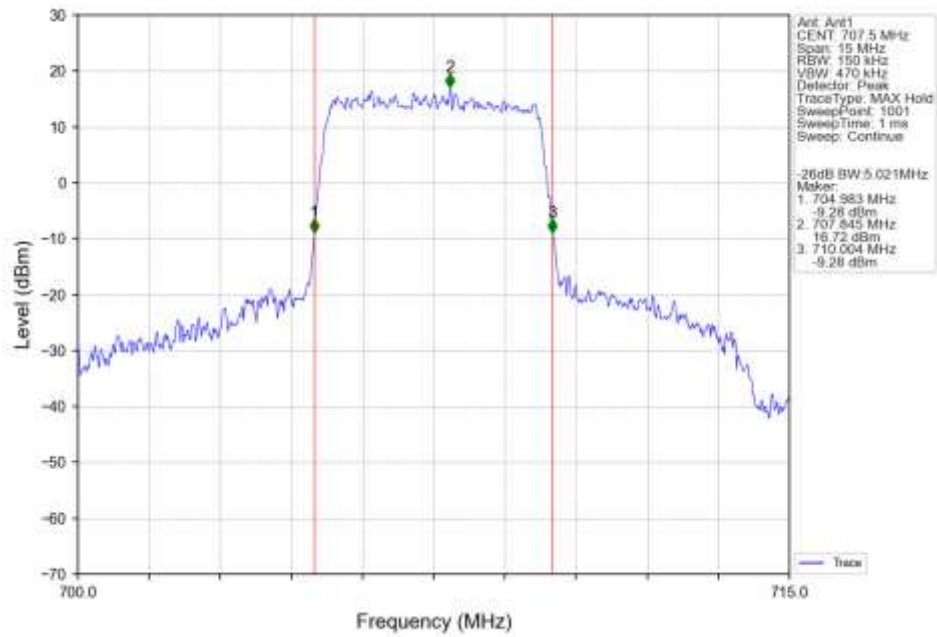
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



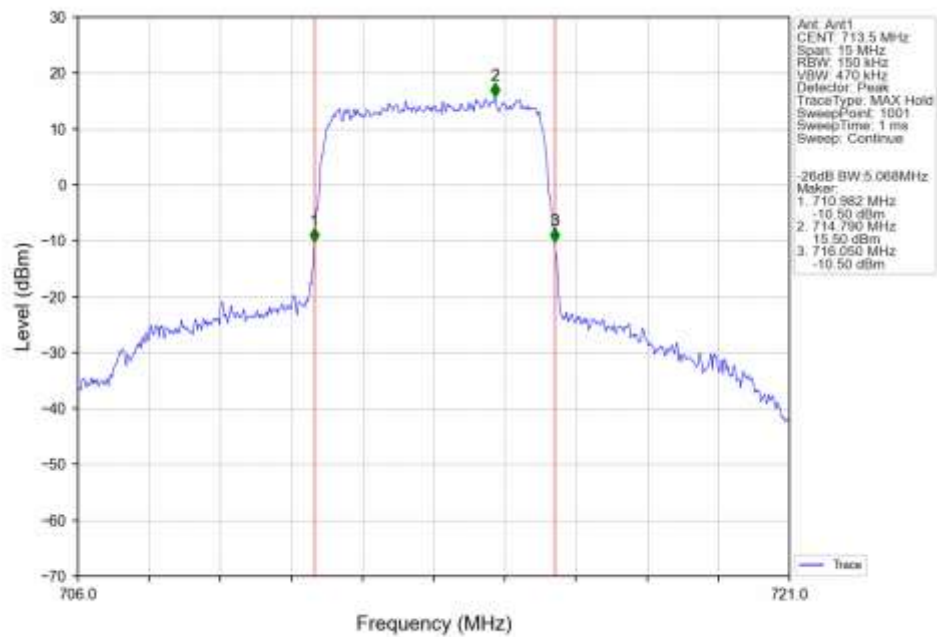
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



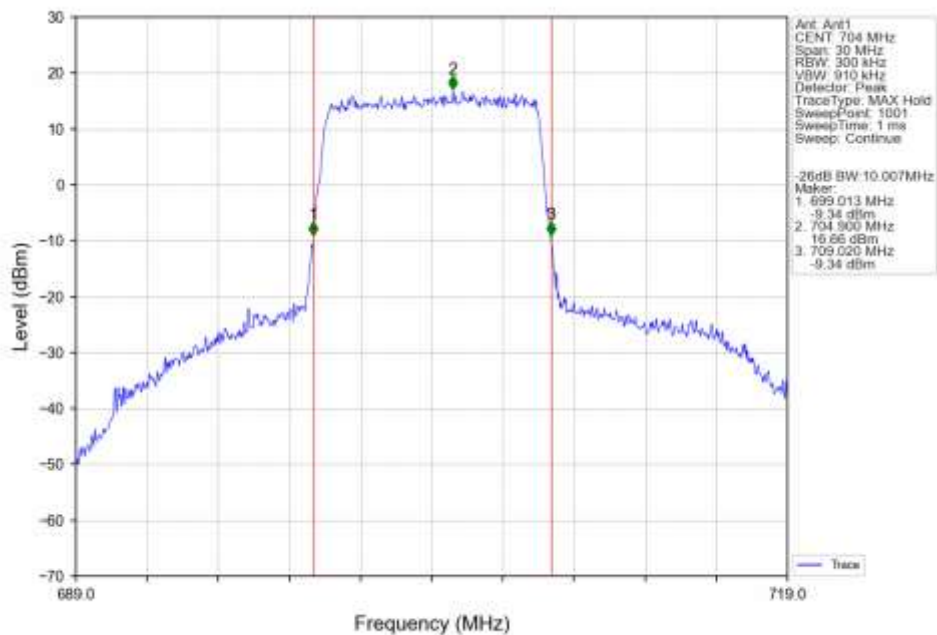
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



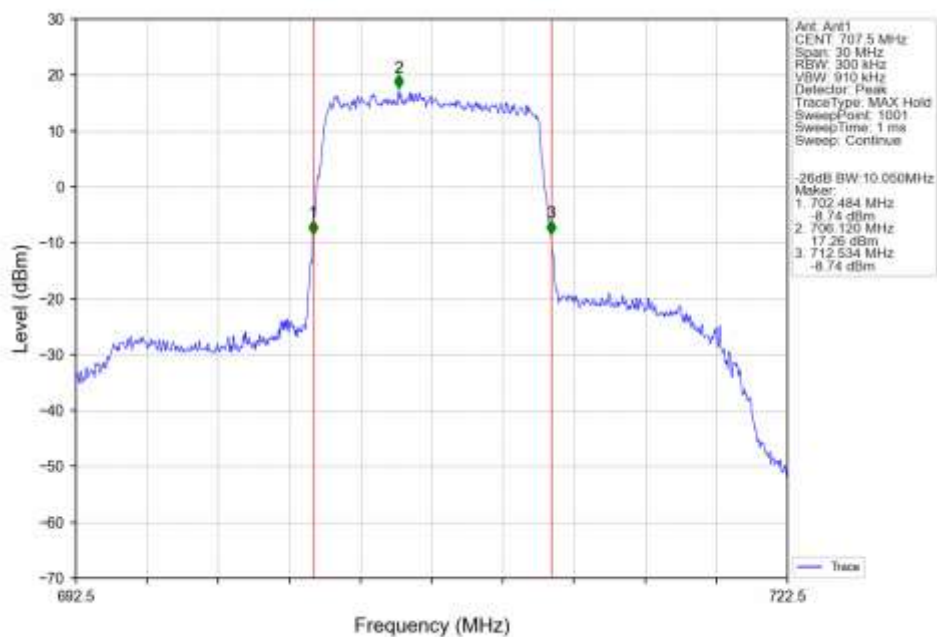
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



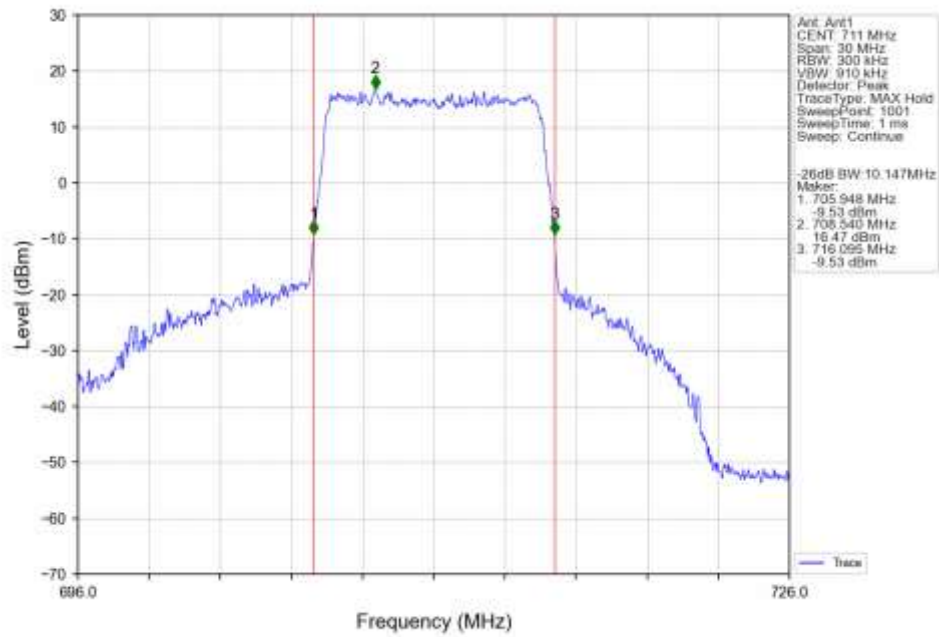
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



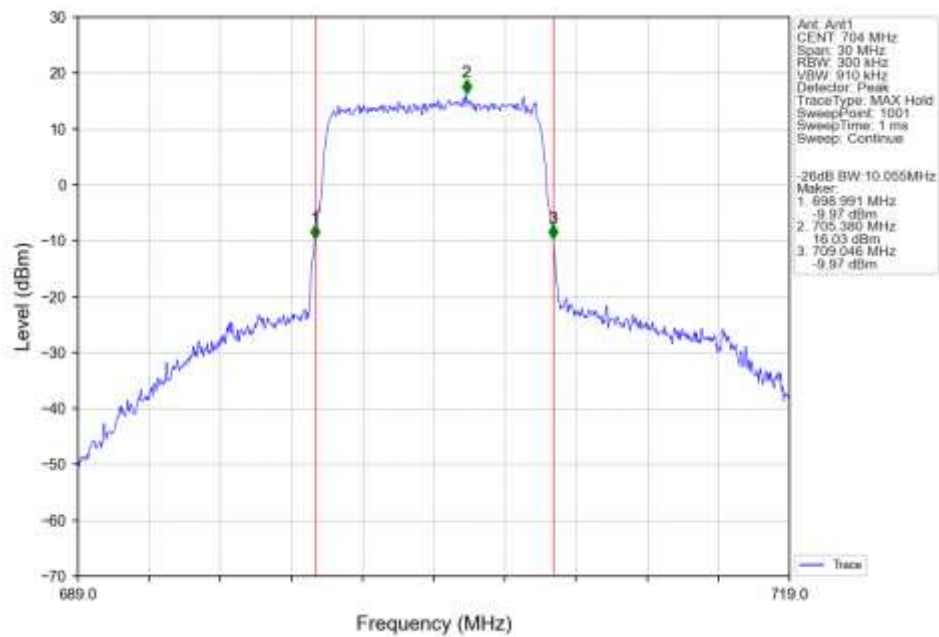
Band12 10MHz QPSK MCH 707.5MHz RB 50 0 NTNV



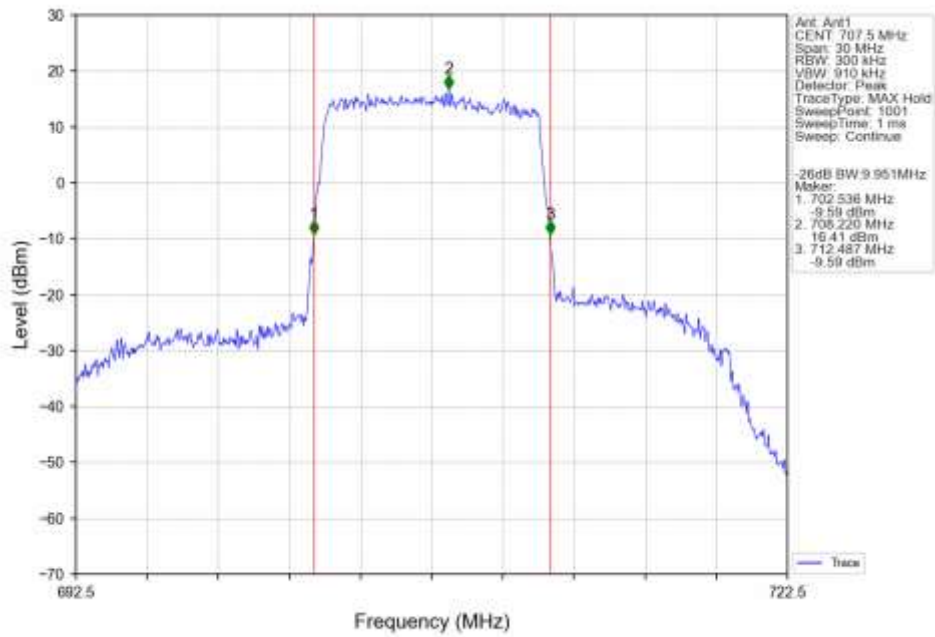
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTNV



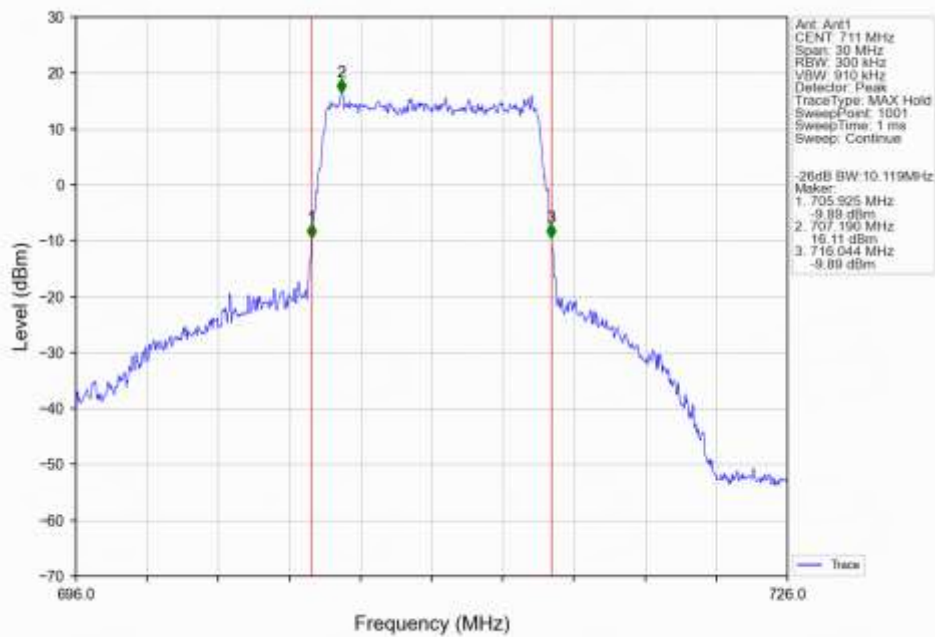
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV



Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTNV



Band12 10MHz 16QAM HCH 711MHz RB 50 0 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	5.49	<=13	Pass
	707.5	6	0	4.38	<=13	Pass
	715.3	6	0	4.96	<=13	Pass
16QAM	699.7	6	0	6.24	<=13	Pass
	707.5	6	0	5.32	<=13	Pass
	715.3	6	0	5.73	<=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	5.59	<=13	Pass
	707.5	15	0	4.64	<=13	Pass
	714.5	15	0	5.22	<=13	Pass
16QAM	700.5	15	0	6.37	<=13	Pass
	707.5	15	0	5.52	<=13	Pass
	714.5	15	0	6.12	<=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	5.56	<=13	Pass
	707.5	25	0	5.03	<=13	Pass
	713.5	25	0	5.49	<=13	Pass
16QAM	701.5	25	0	6.26	<=13	Pass
	707.5	25	0	5.72	<=13	Pass
	713.5	25	0	6.25	<=13	Pass

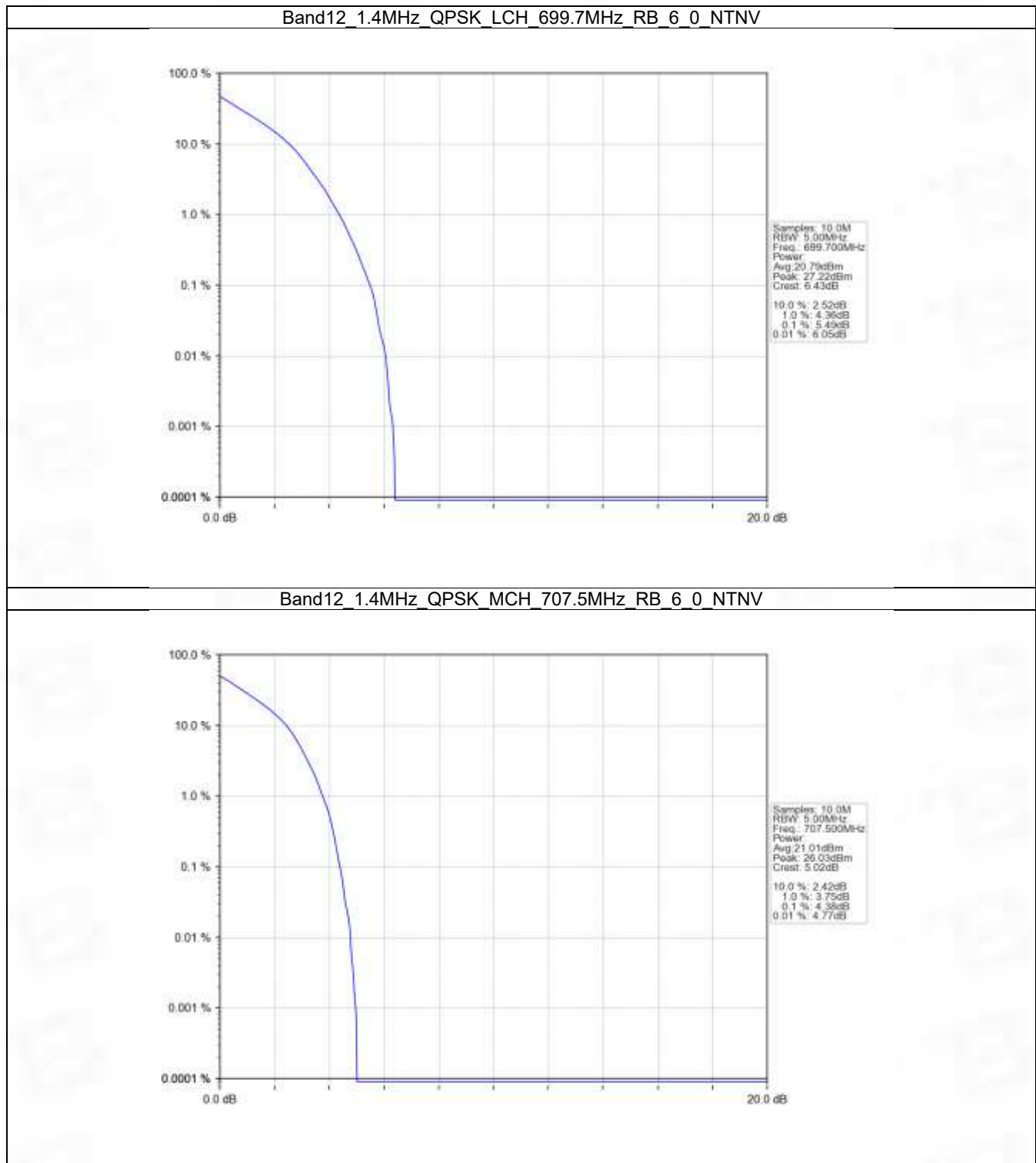
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.39	<=13	Pass
	707.5	50	0	5.18	<=13	Pass
	711	50	0	5.45	<=13	Pass
16QAM	704	50	0	6.10	<=13	Pass
	707.5	50	0	5.95	<=13	Pass

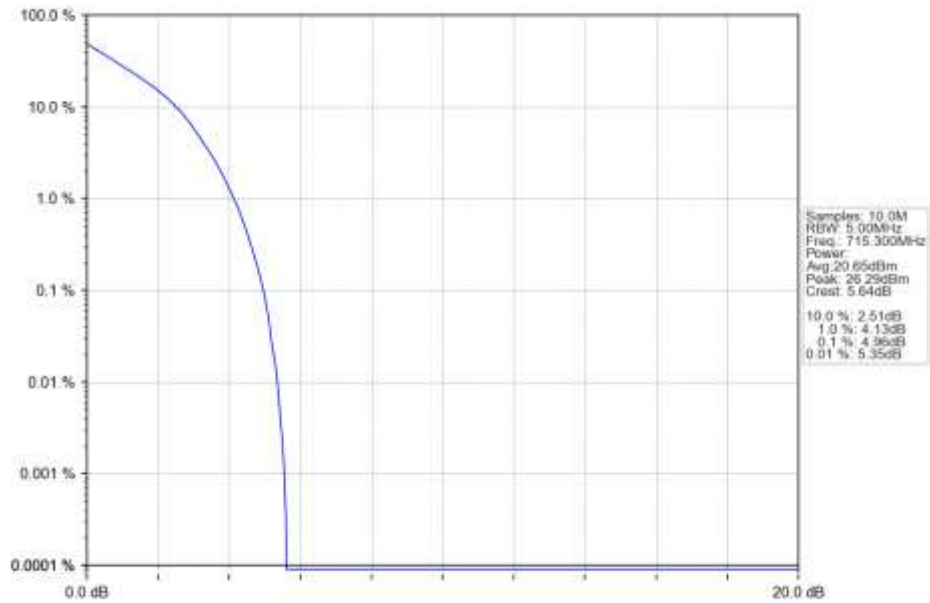
	711	50	0	6.19	<=13	Pass
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5.2 Test Graph

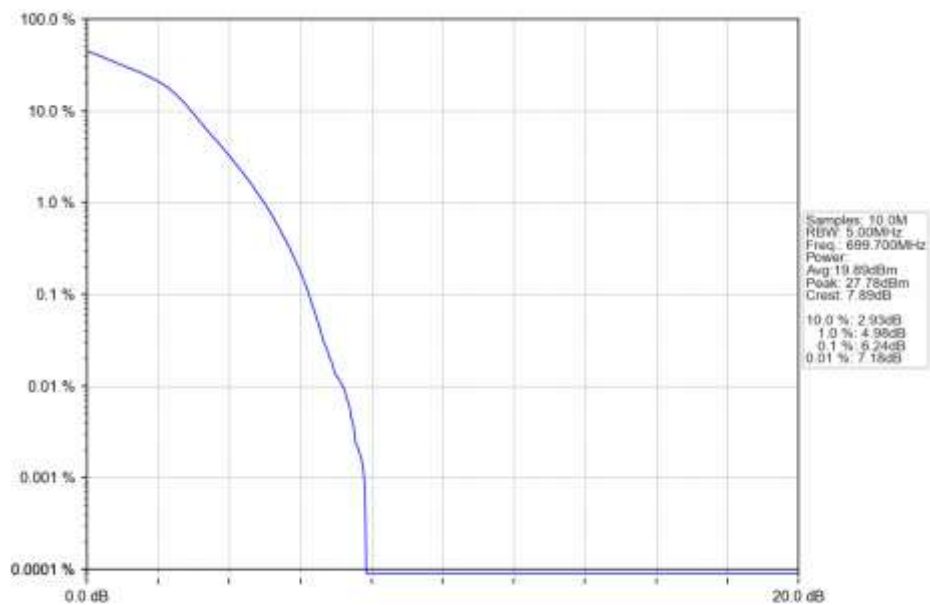
5.2.1 B12_1.4MHz



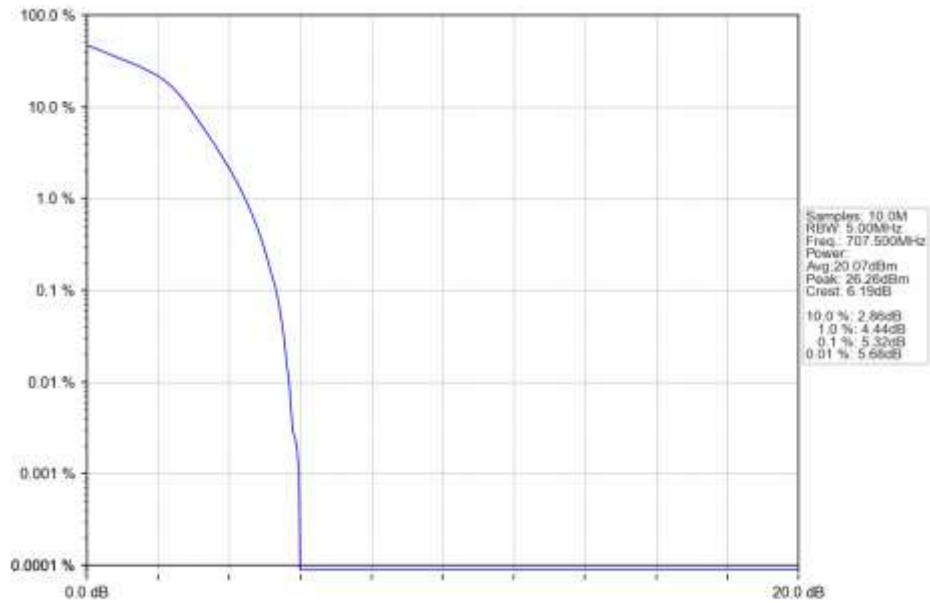
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTNV



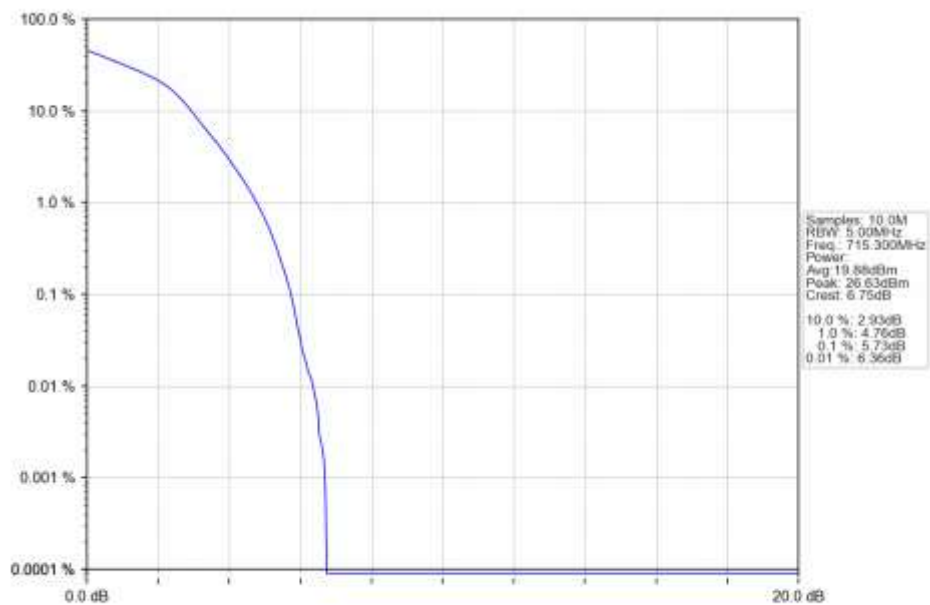
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV



Band12 1.4MHz 16QAM MCH 707.5MHz RB 6.0 NTNV

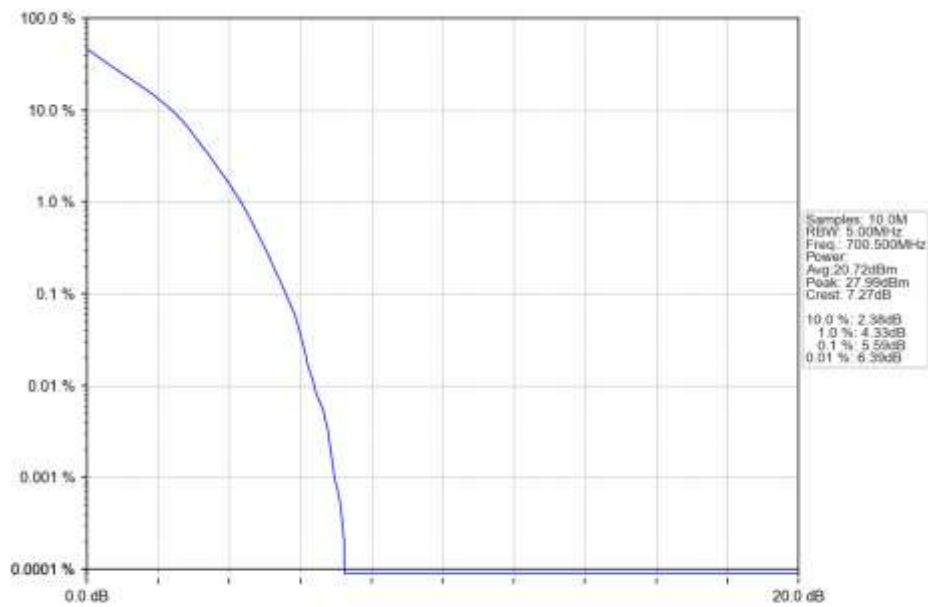


Band12 1.4MHz 16QAM HCH 715.3MHz RB 6.0 NTNV

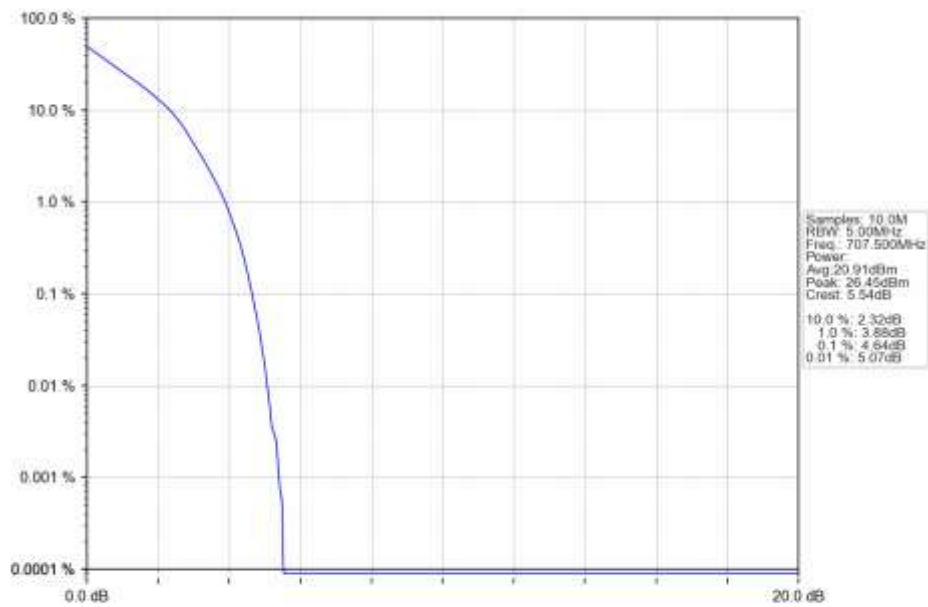


5.2.2 B12_3MHz

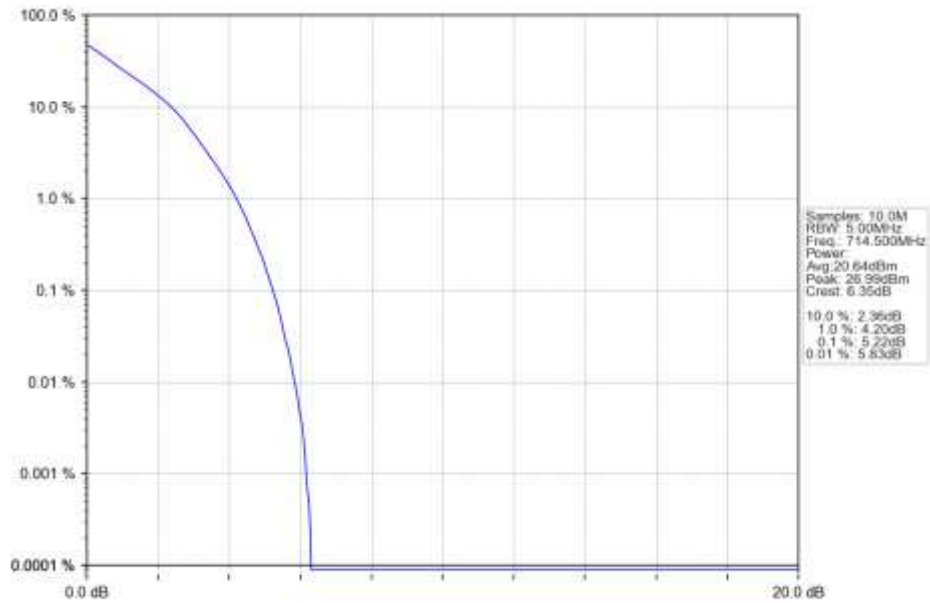
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



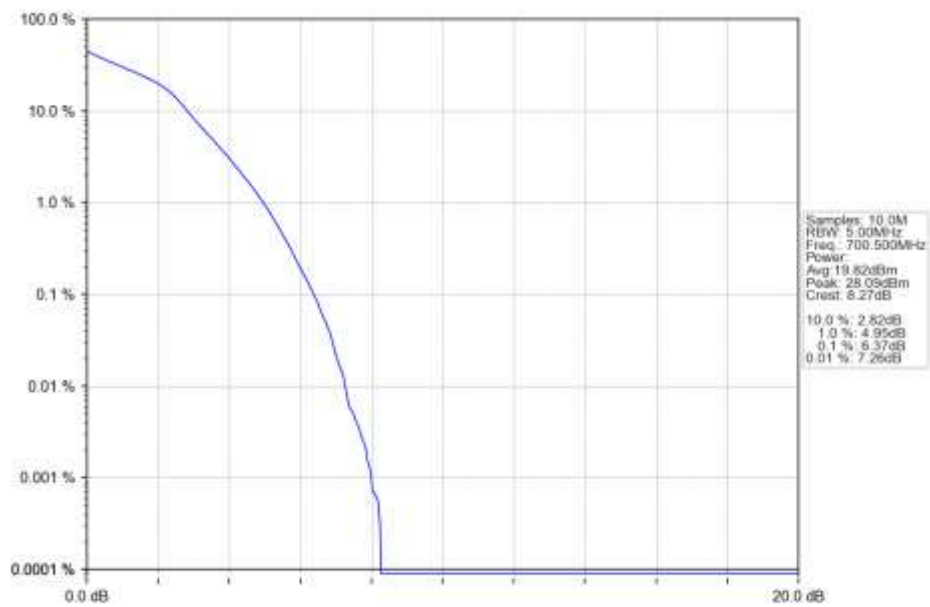
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



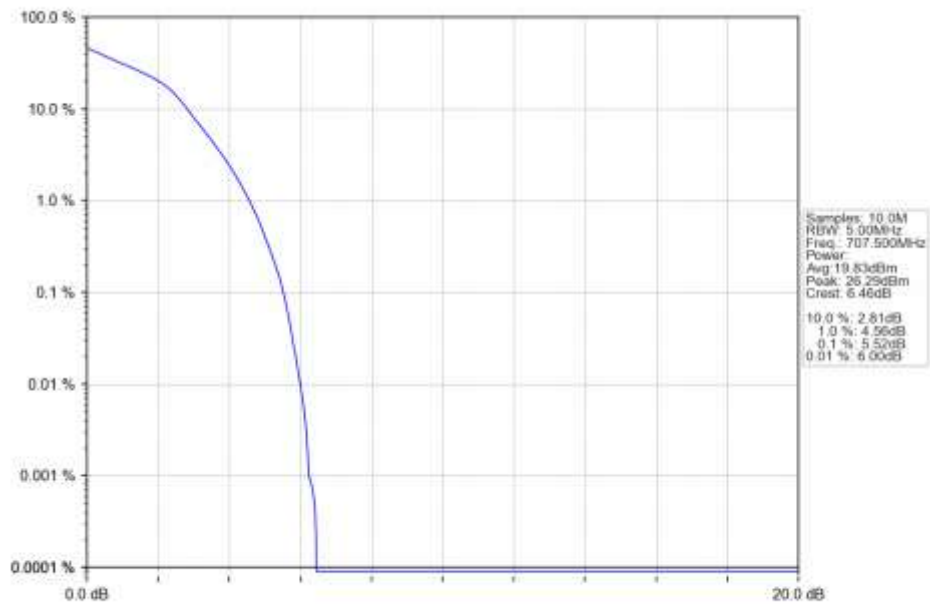
Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTNV



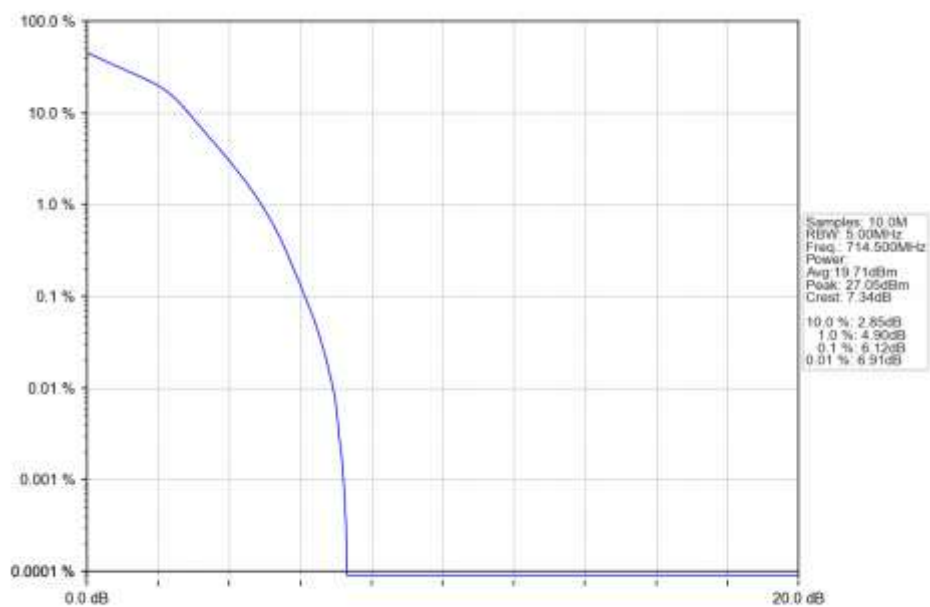
Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV



Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTNV

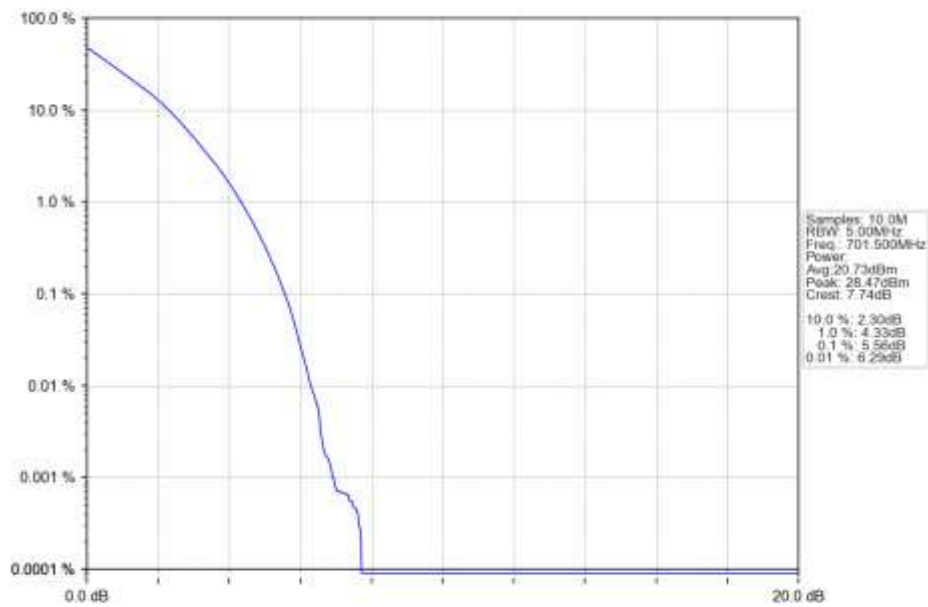


Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV

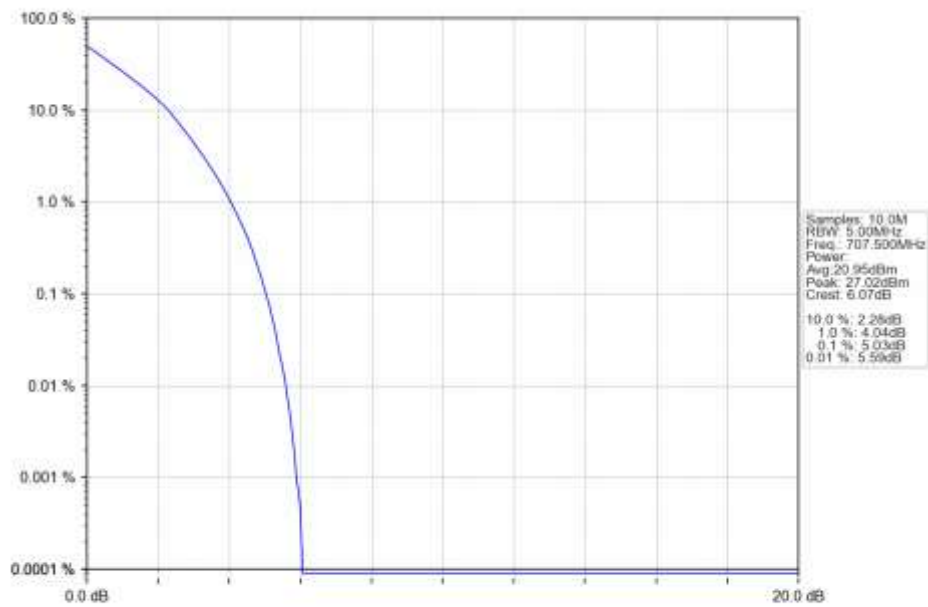


5.2.3 B12_5MHz

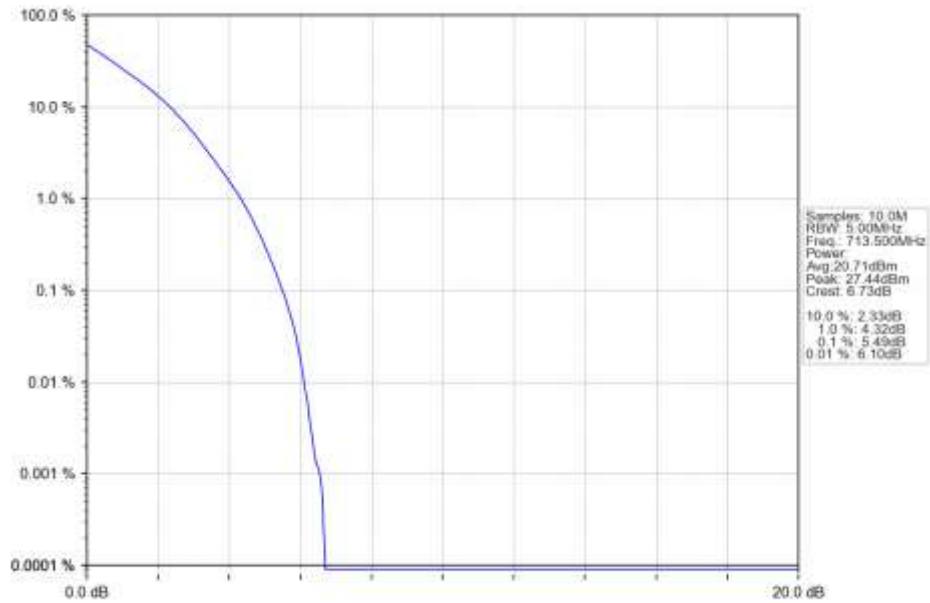
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



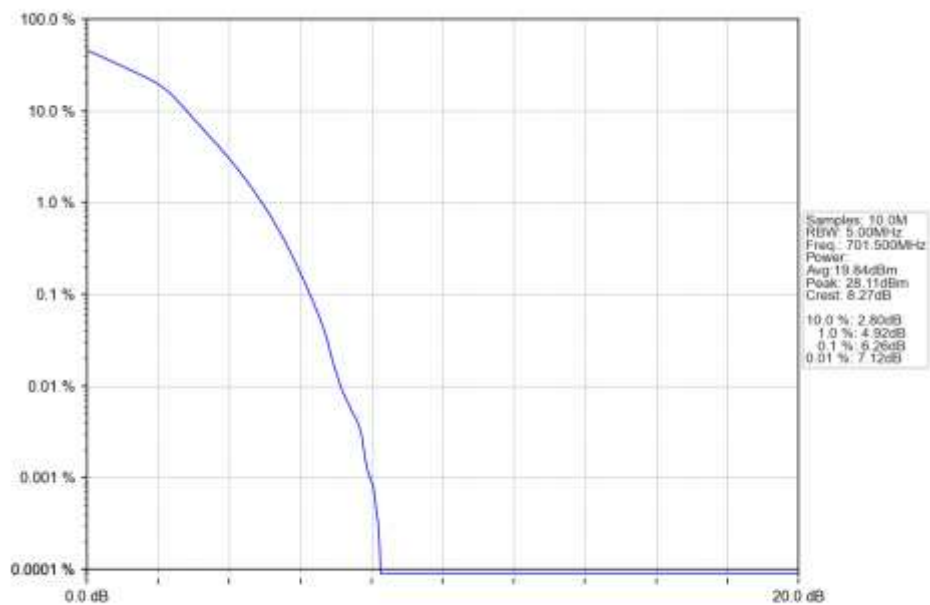
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



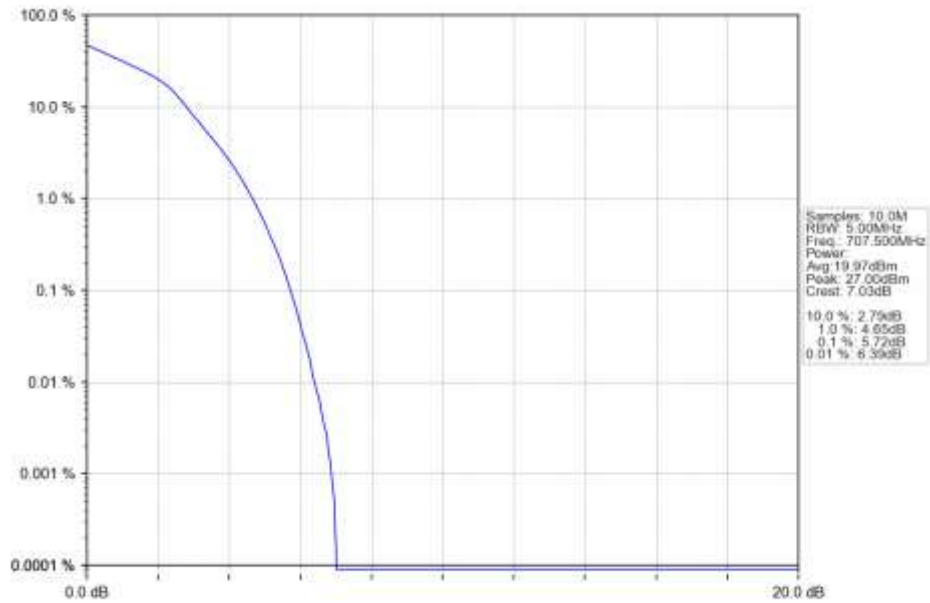
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



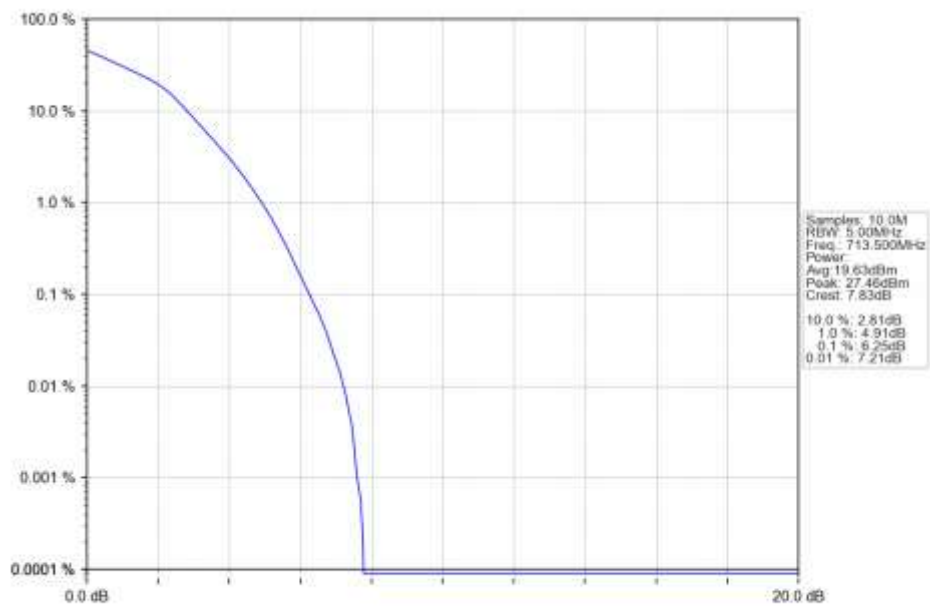
Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV



Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV

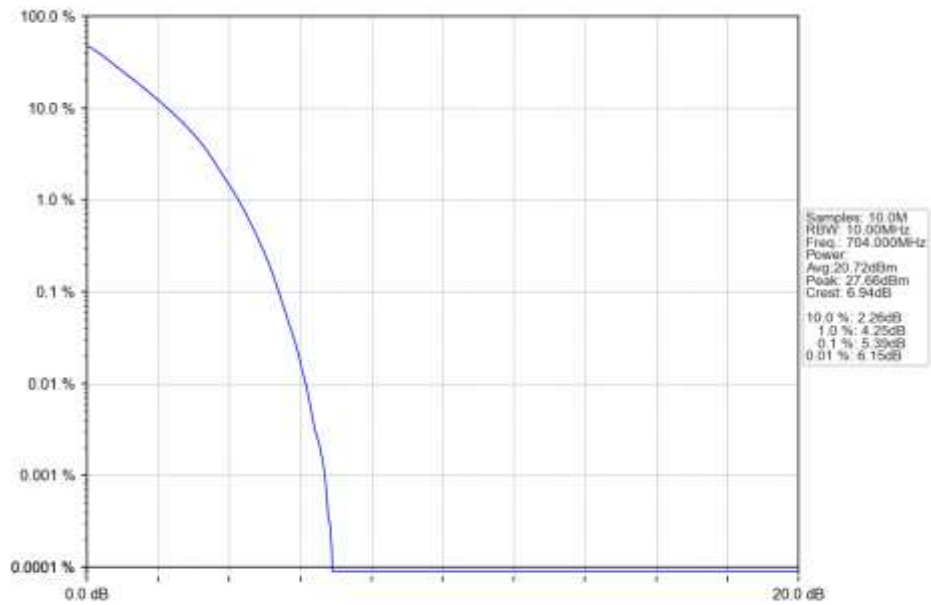


Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

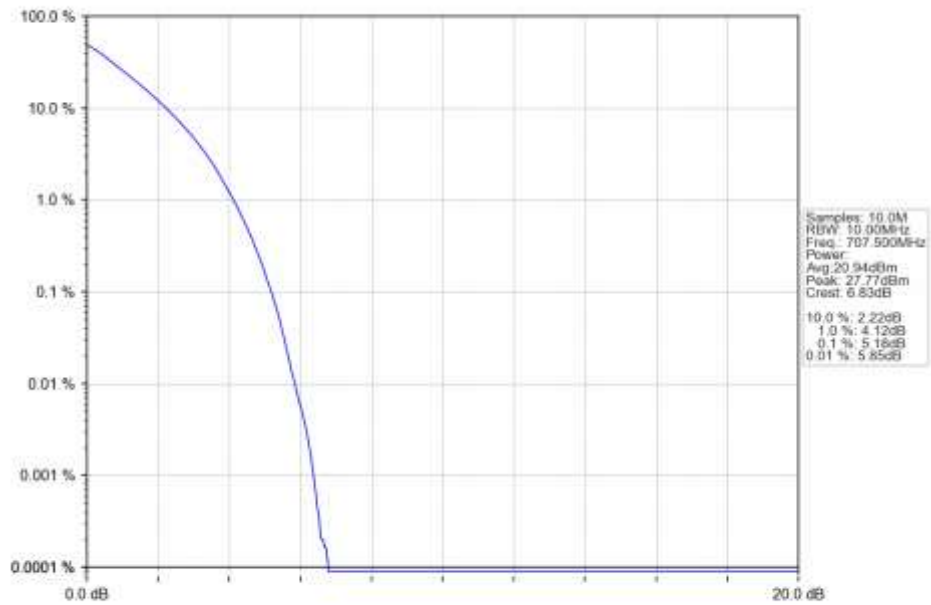


5.2.4 B12_10MHz

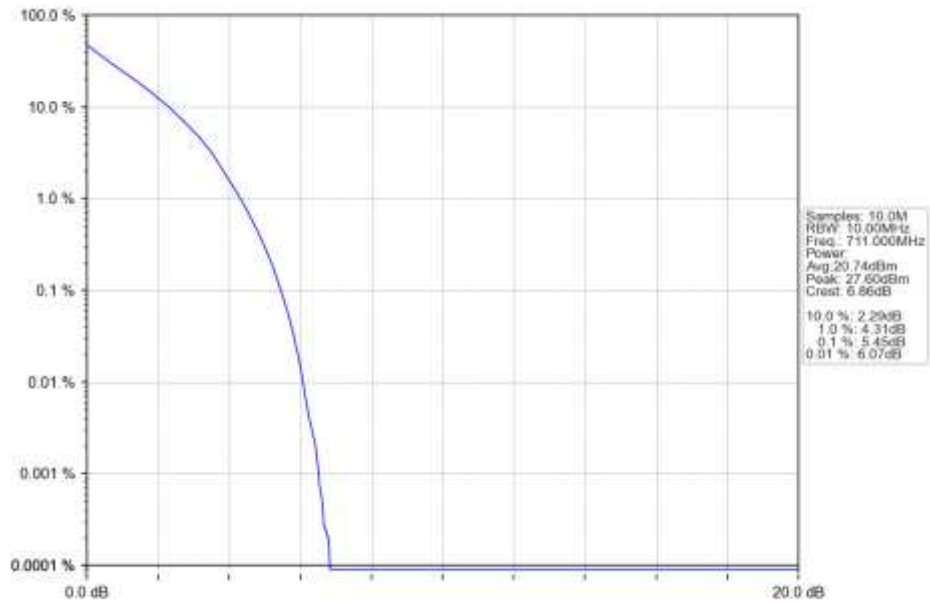
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



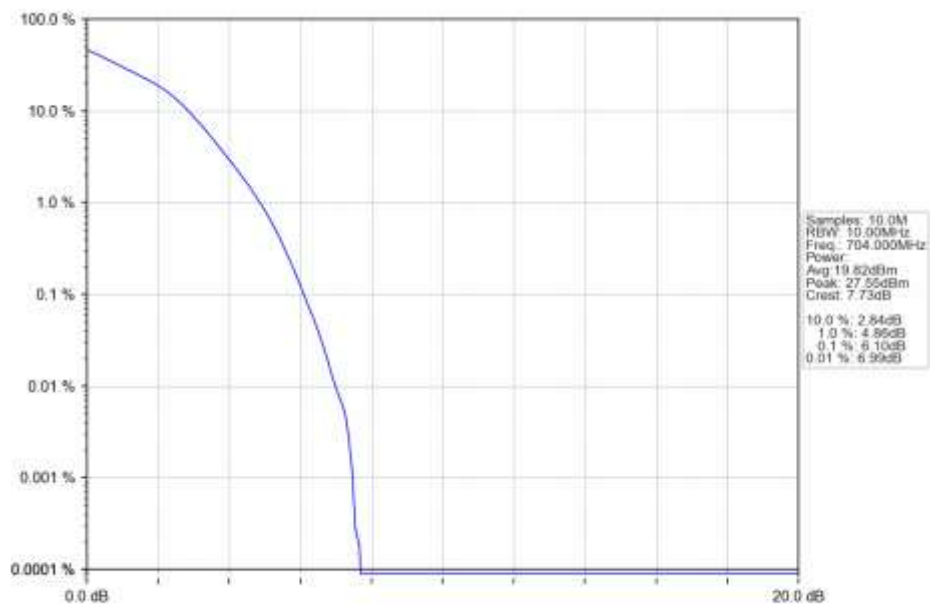
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



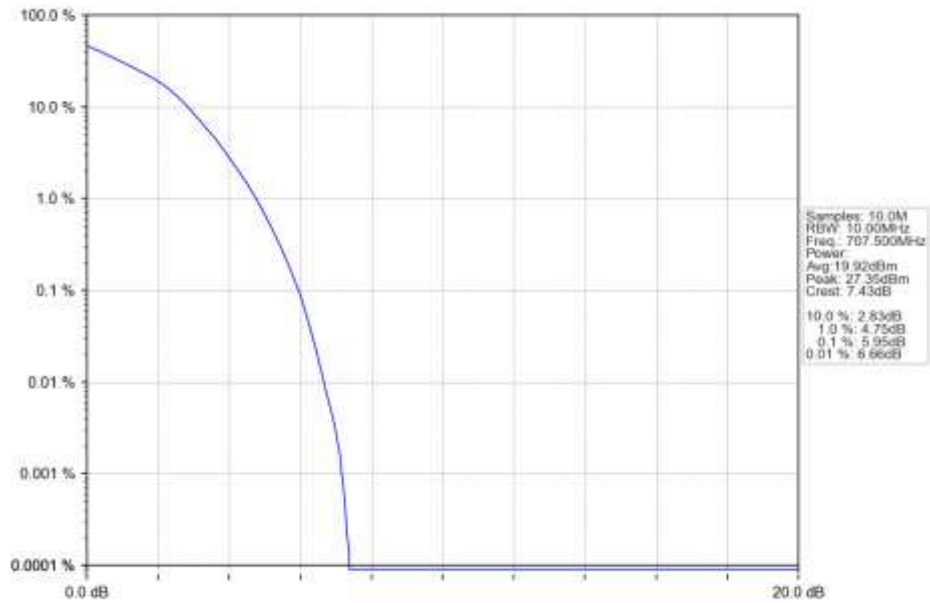
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTN



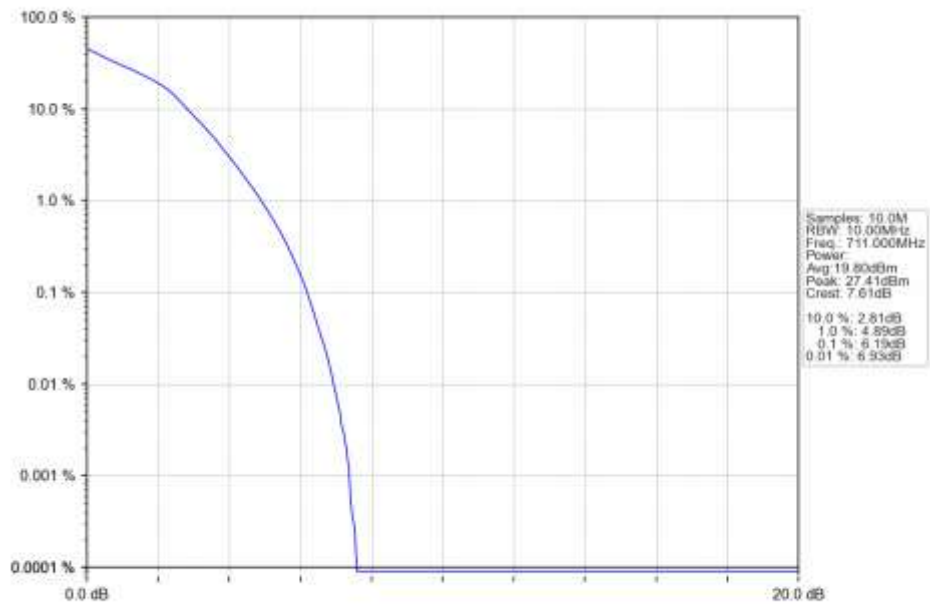
Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTN



Band12 10MHz 16QAM MCH 707.5MHz RB 50 0 NTNV



Band12 10MHz 16QAM HCH 711MHz RB 50 0 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		Verdict
		Size	Offset	Result	Limit	
QPSK	699.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	715.3	1	0	Refer To Test Graph		Pass
		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
	715.3	1	0	Refer To Test Graph		Pass
		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		Verdict
		Size	Offset	Result	Limit	
QPSK	700.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	714.5	1	0	Refer To Test Graph		Pass
		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
	714.5	1	0	Refer To Test Graph		Pass
		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		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	701.5	1	0	Refer To Test Graph		Pass

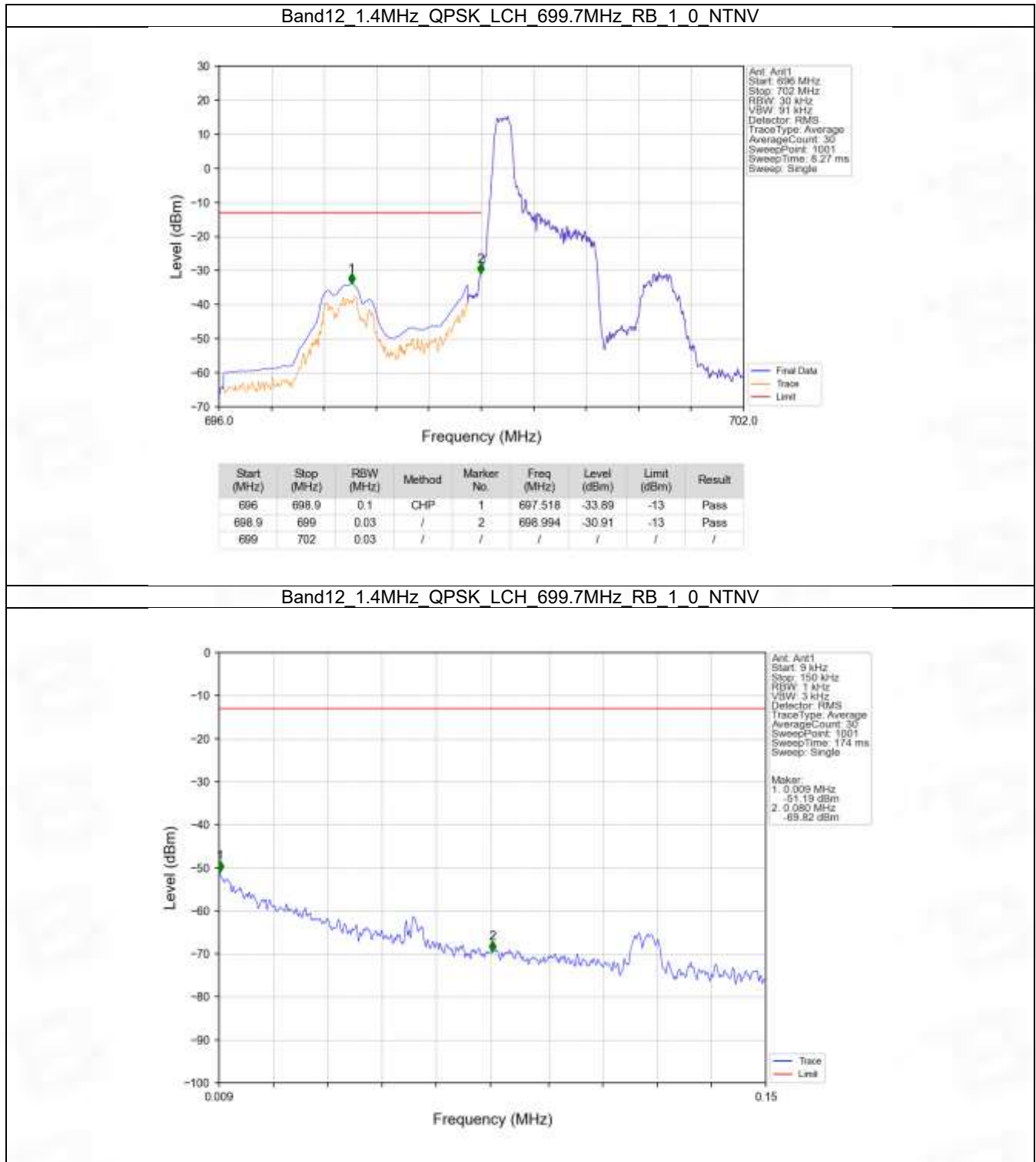
		25	0	Refer To Test Graph	Pass
	707.5	1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

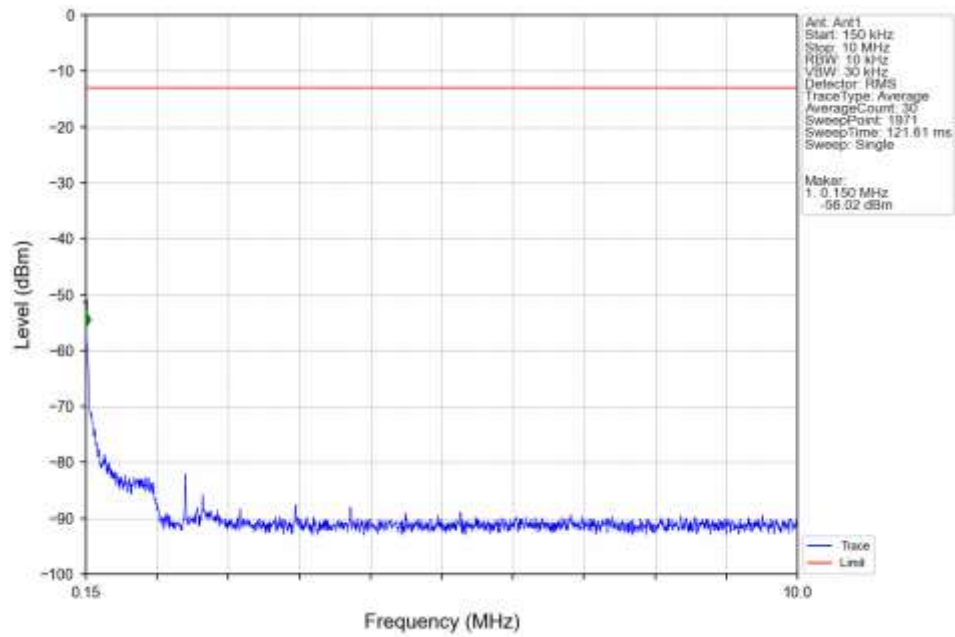
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

6.2 Test Graph

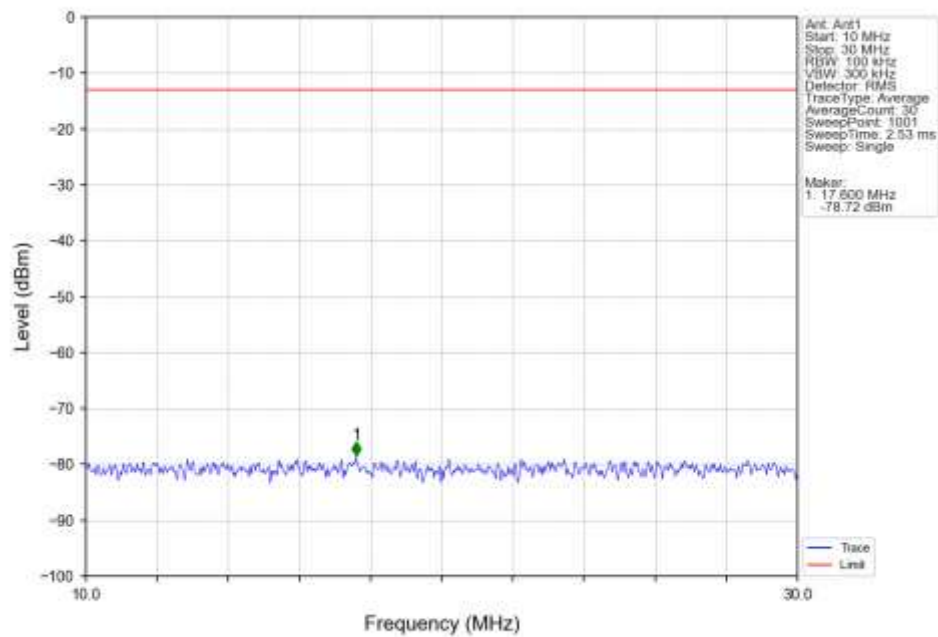
6.2.1 B12_1.4MHz



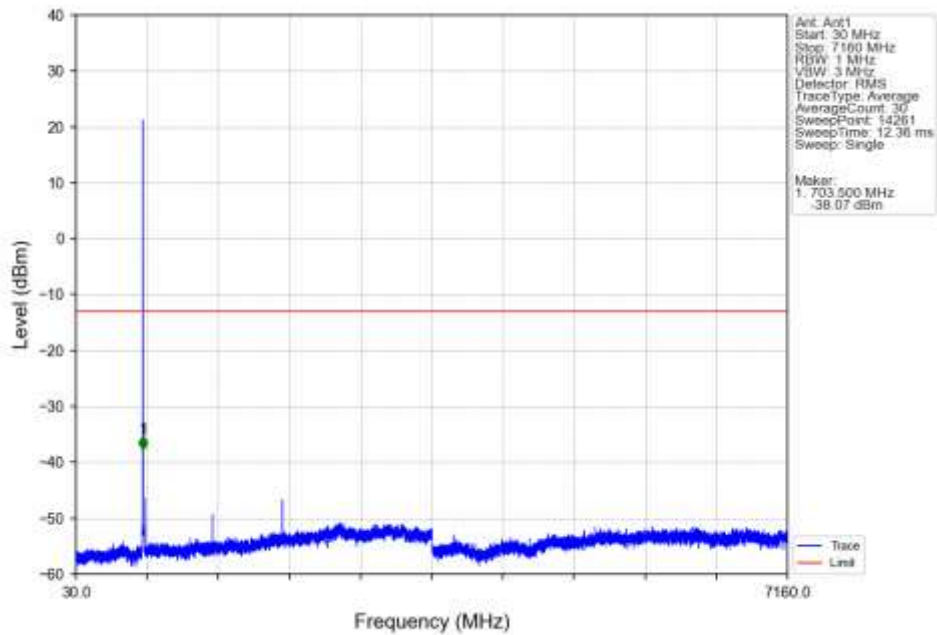
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV



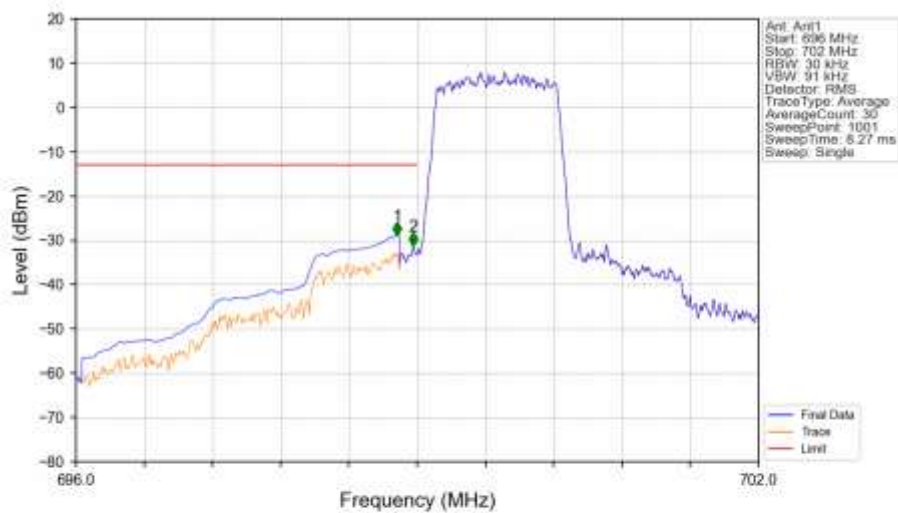
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV



Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV

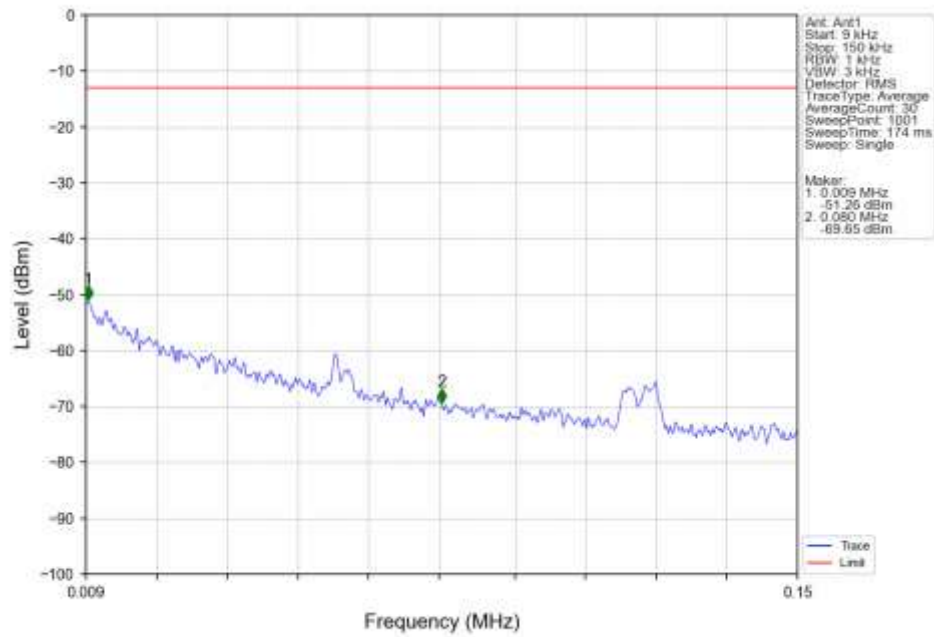


Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTNV

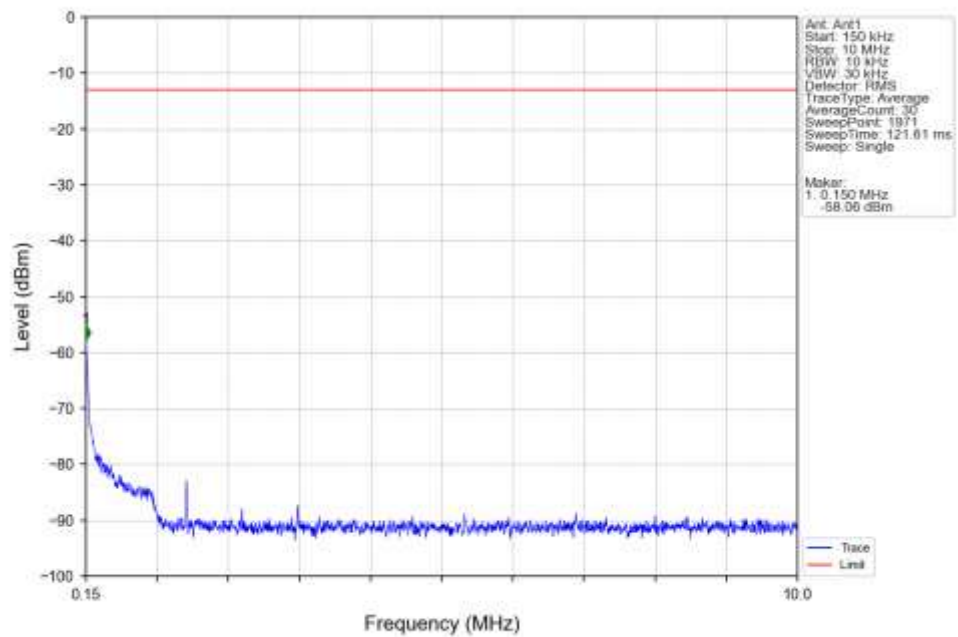


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.826	-28.90	-13	Pass
698.9	699	0.03	/	2	698.964	-31.29	-13	Pass
699	702	0.03	/	/	/	/	/	/

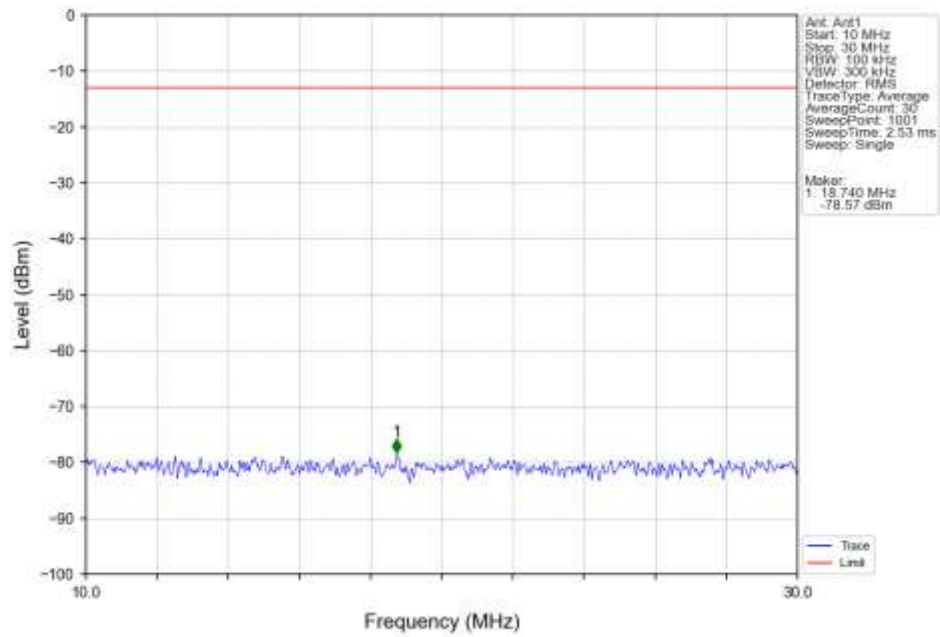
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTV



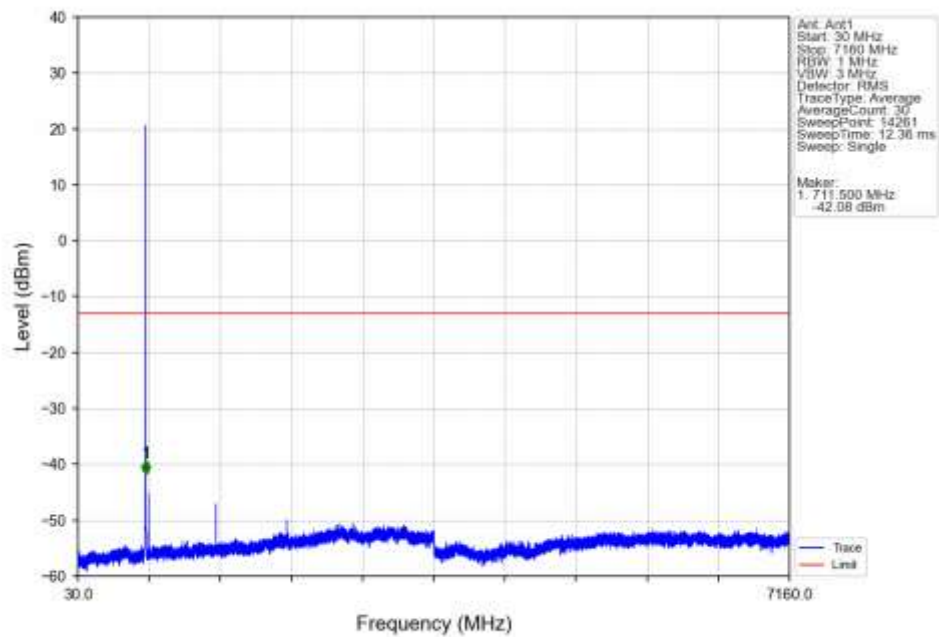
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTV



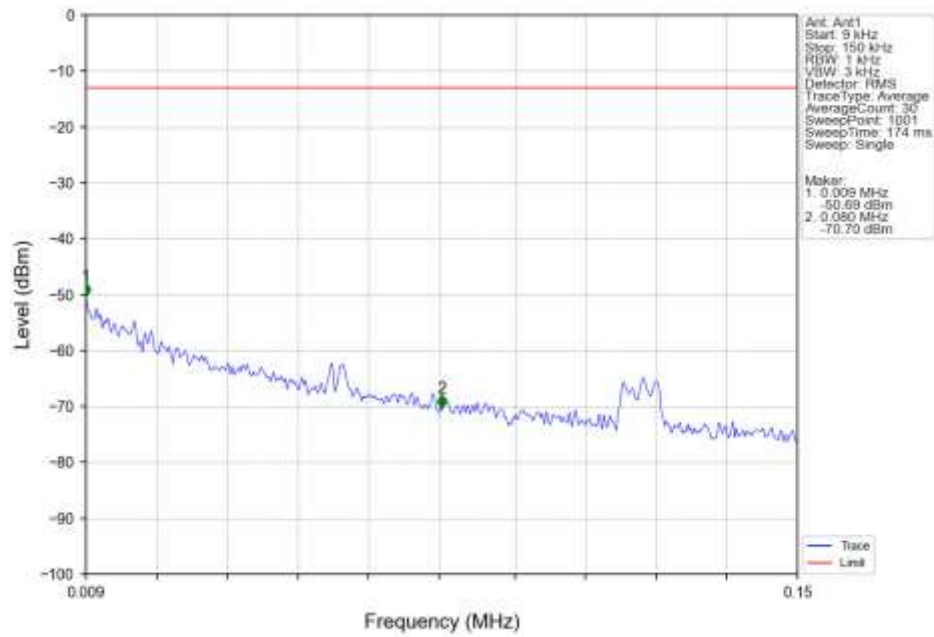
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



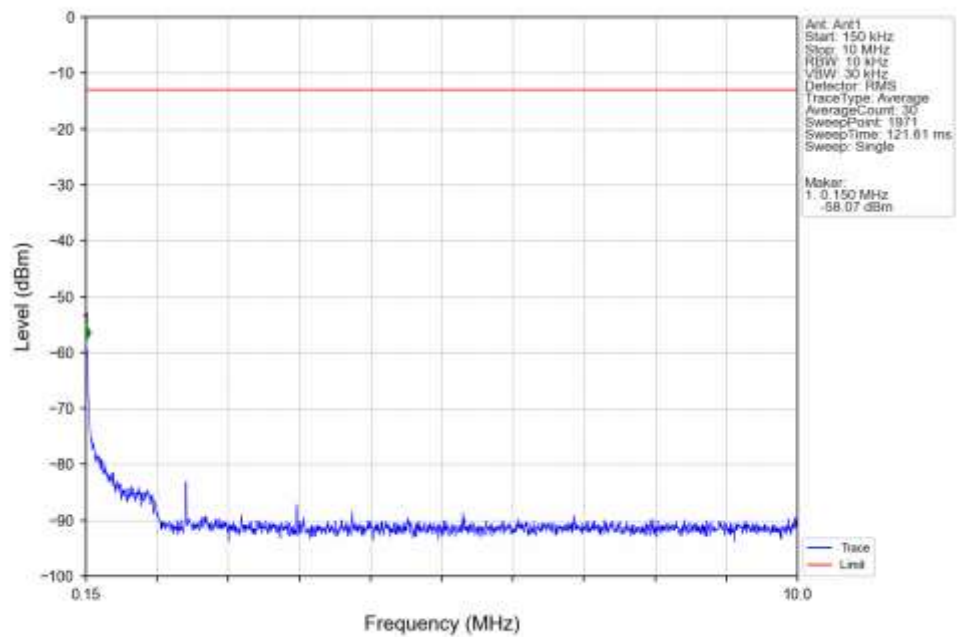
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



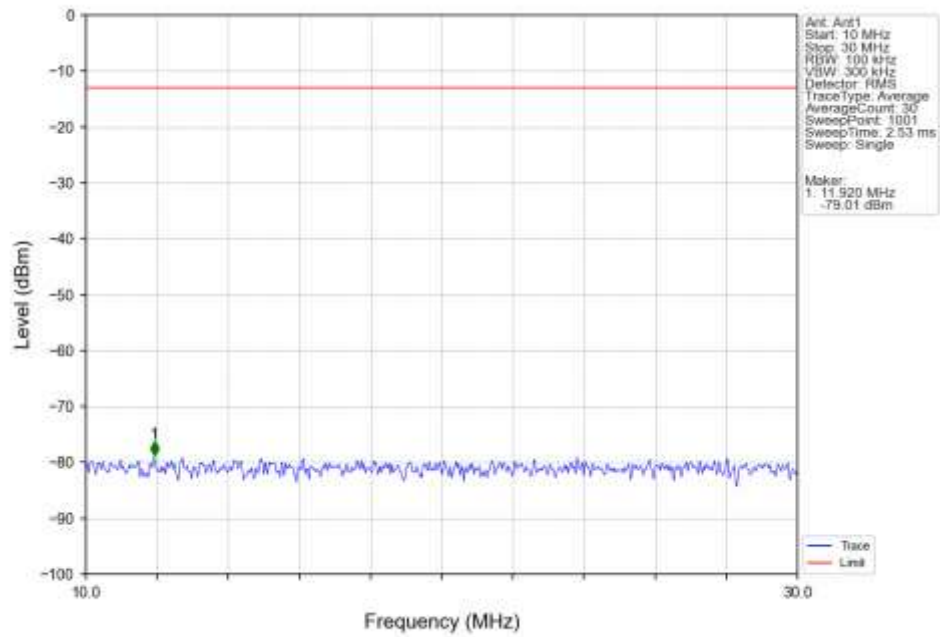
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTNV



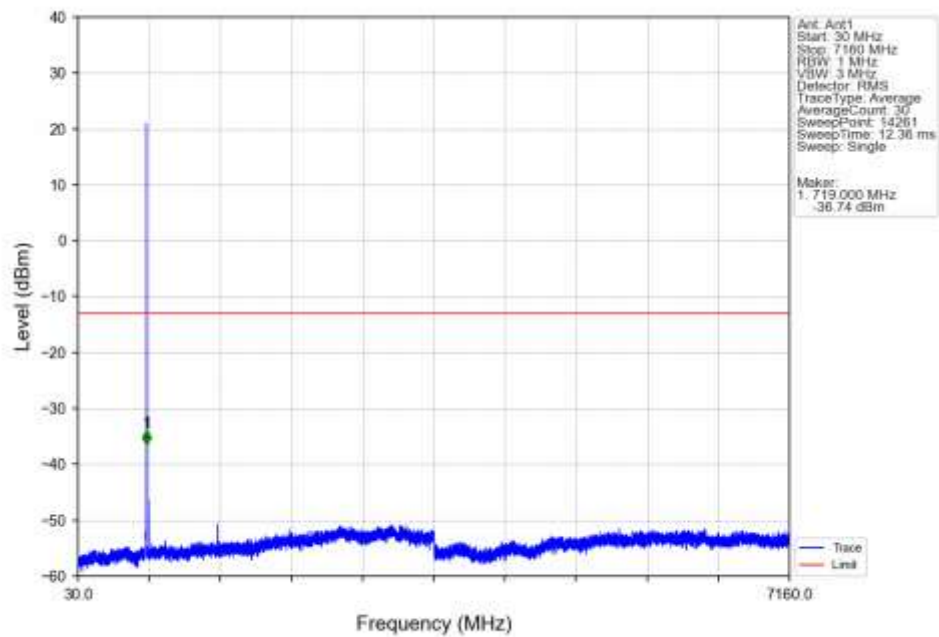
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTNV



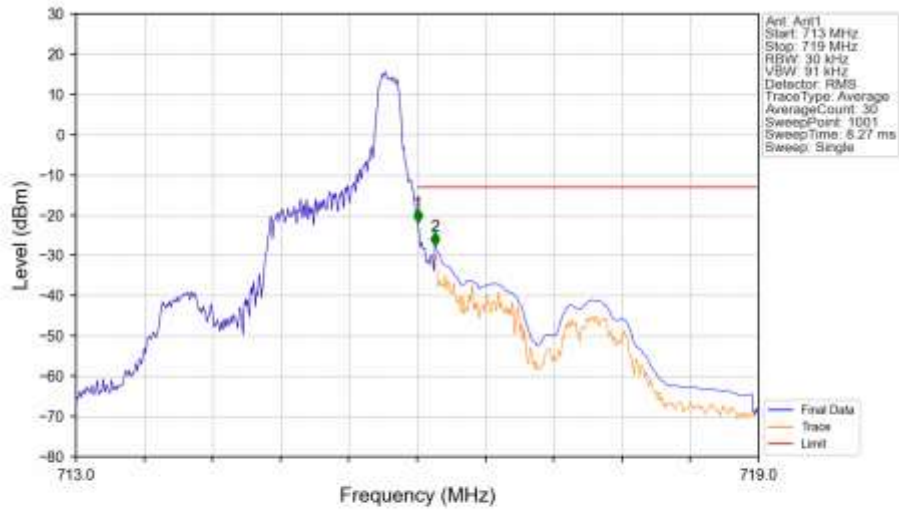
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTV



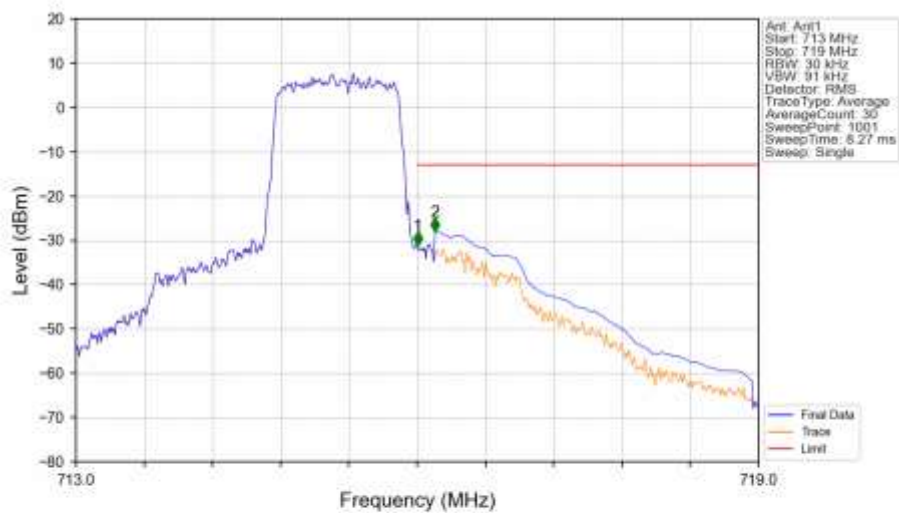
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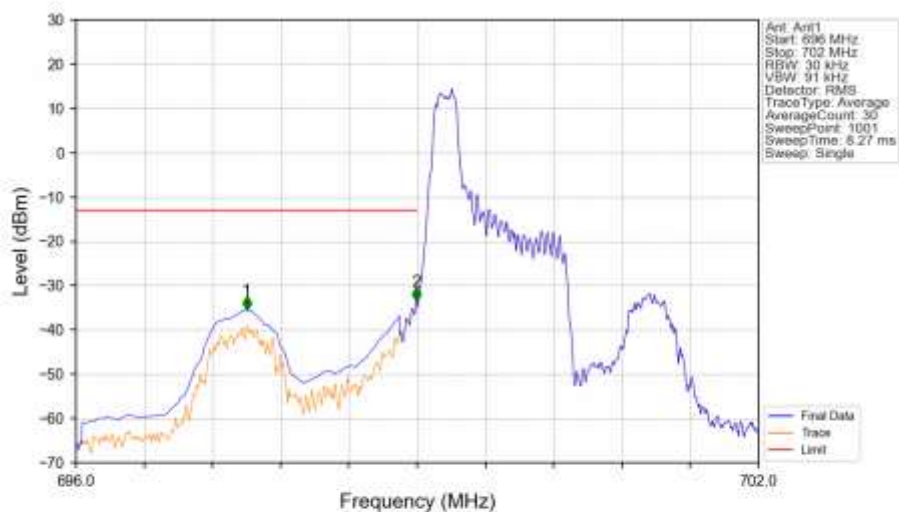
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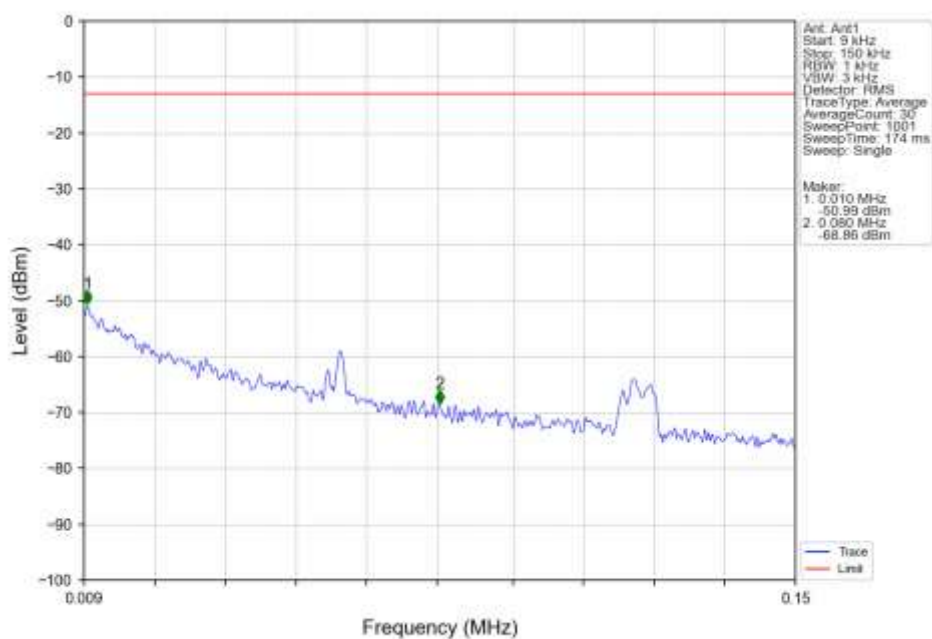
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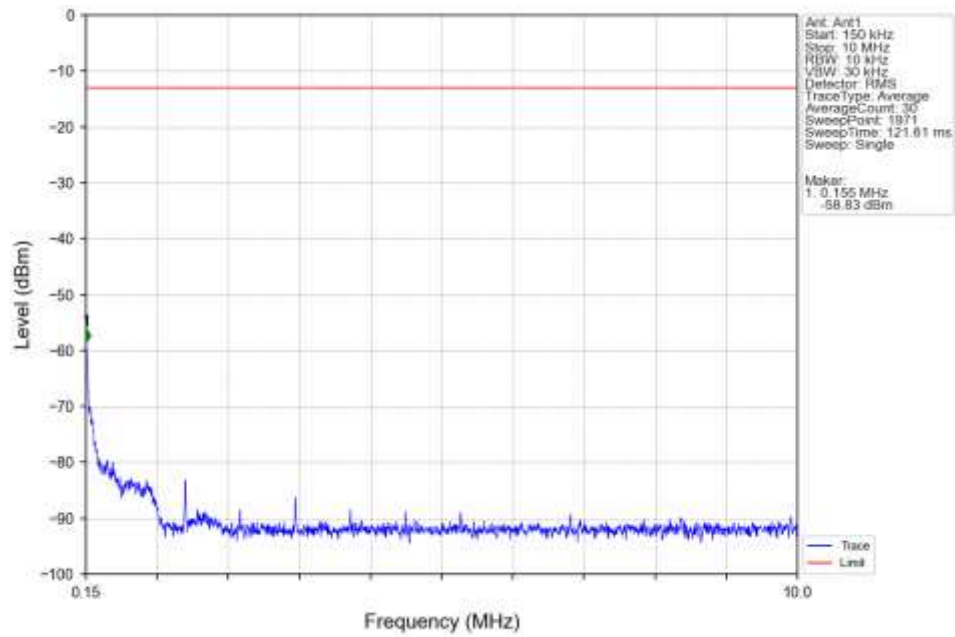
Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTV



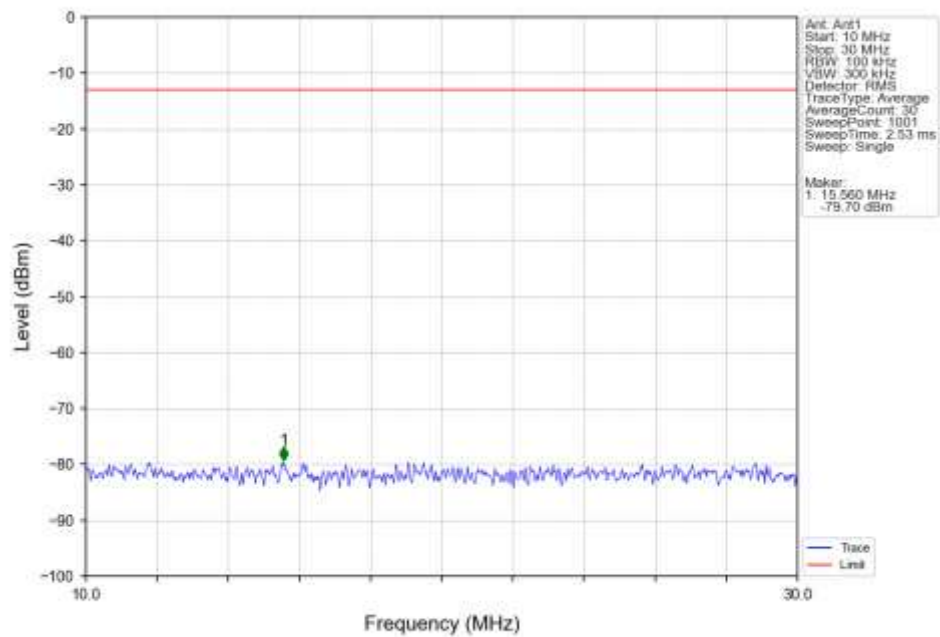
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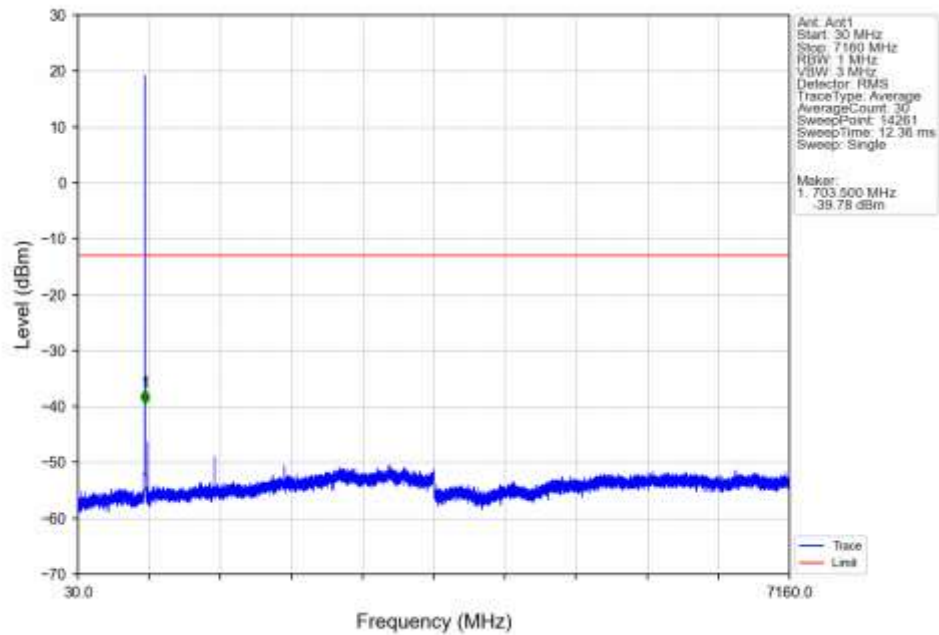
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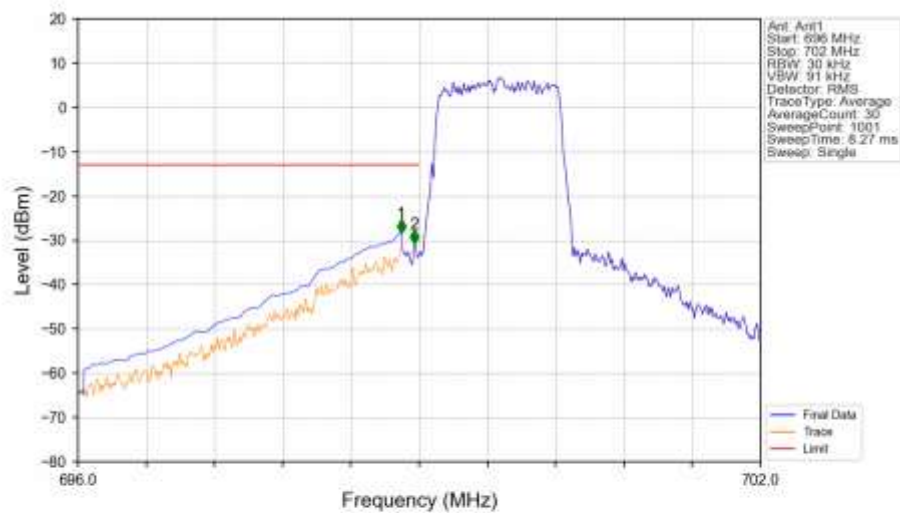
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Band12 1.4MHz 16QAM LCH 699.7MHz RB 1 0 NTNV

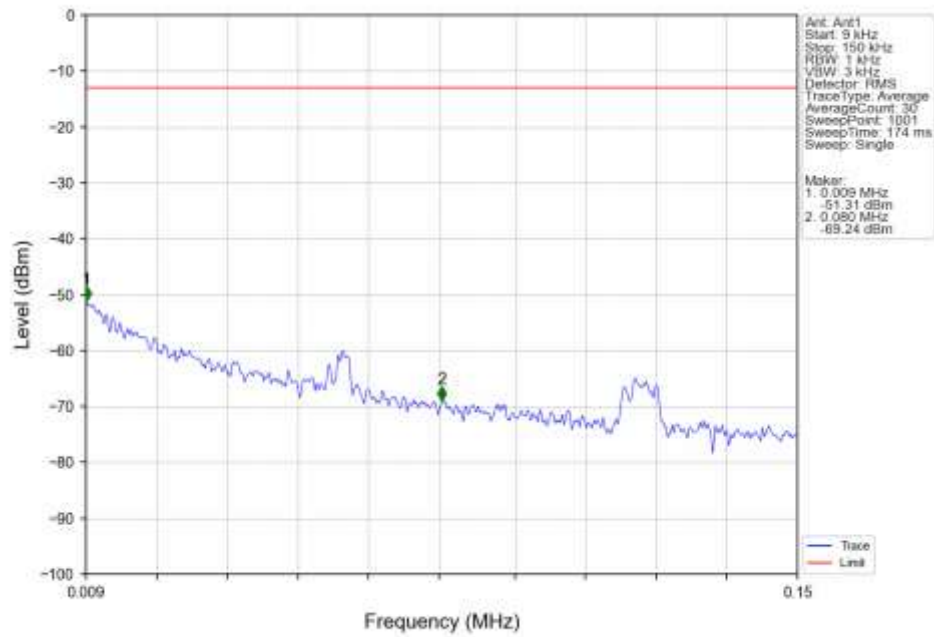


Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTNV

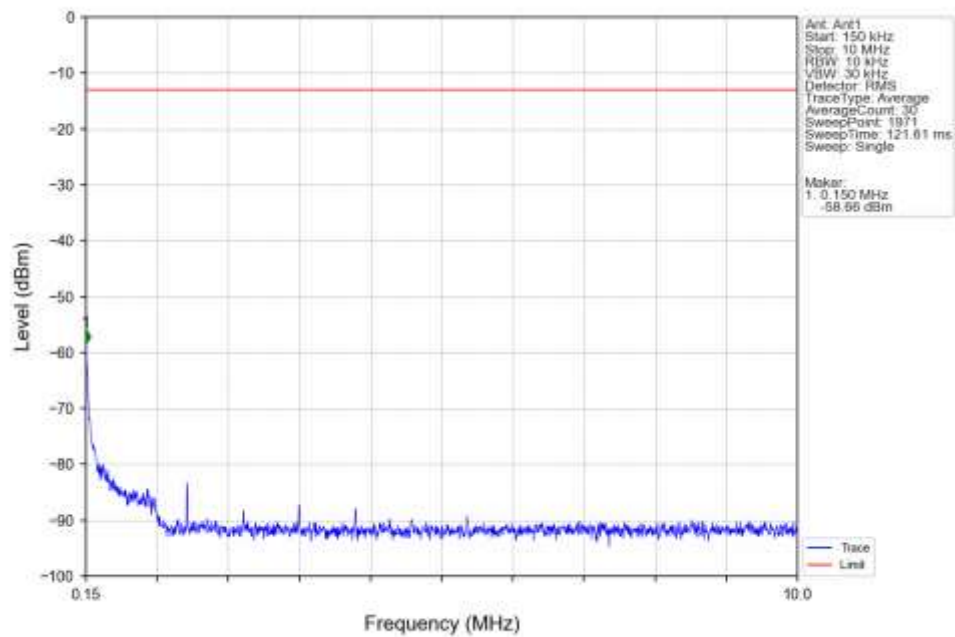


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-28.38	-13	Pass
698.9	699	0.03	/	2	698.958	-30.72	-13	Pass
699	702	0.03	/	/	/	/	/	/

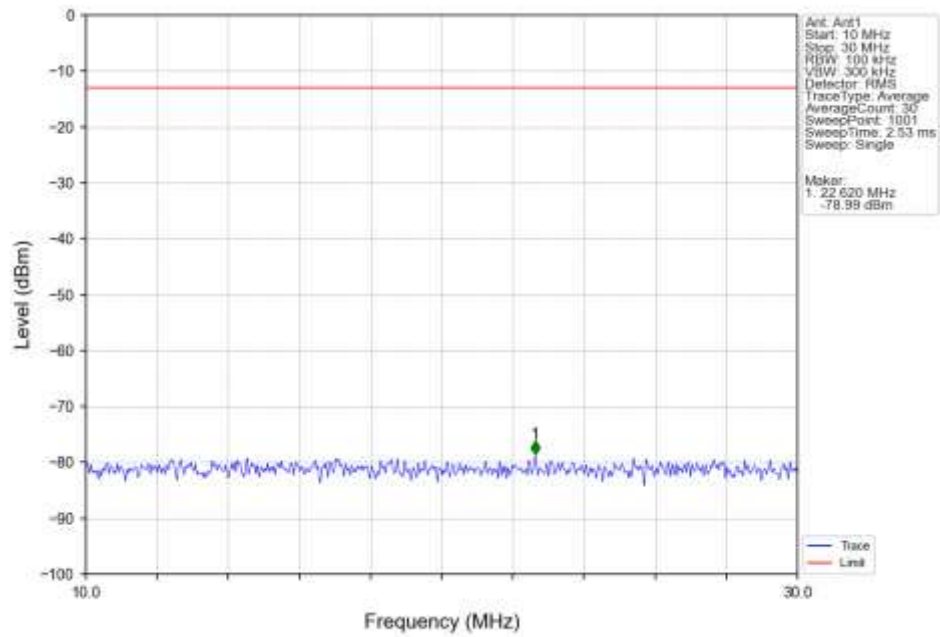
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTV



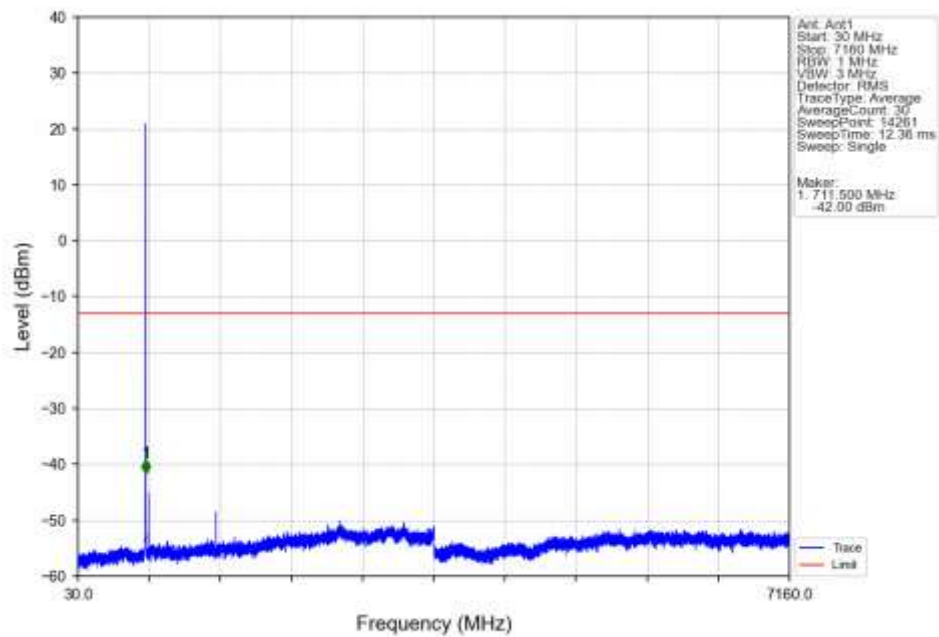
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTV



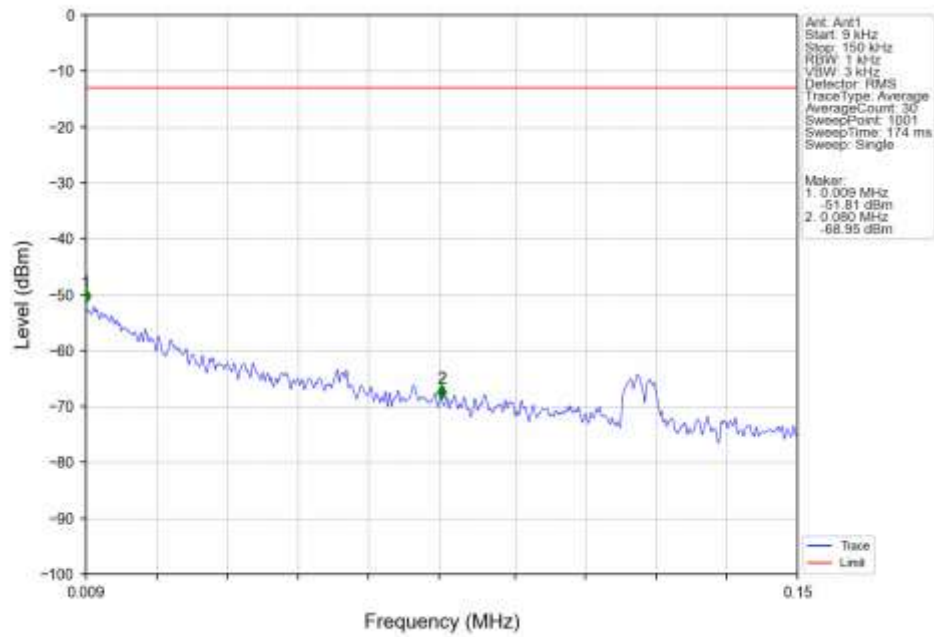
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTV



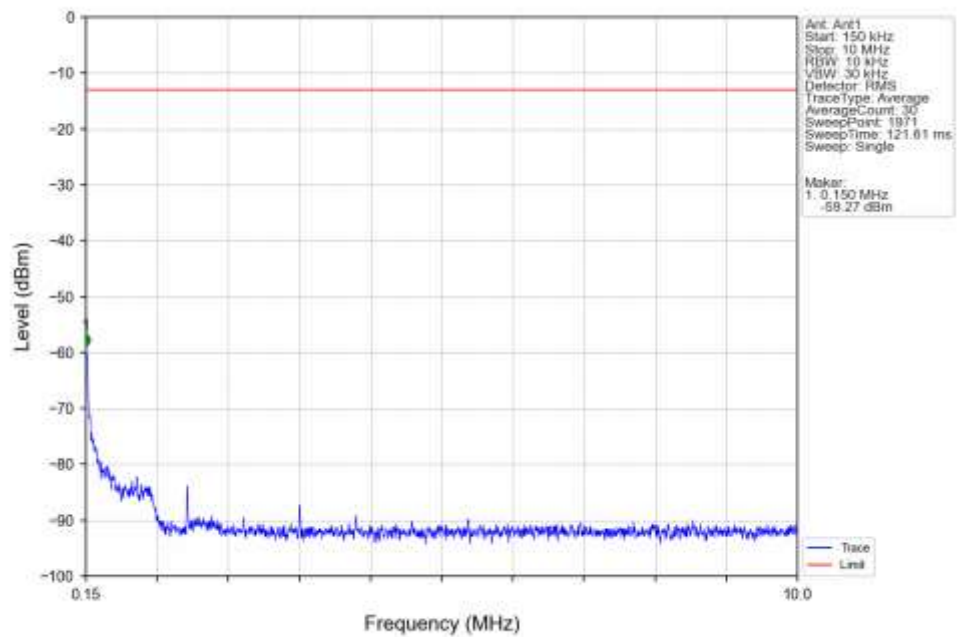
Band12 1.4MHz 16QAM MCH 707.5MHz RB 1 0 NTV



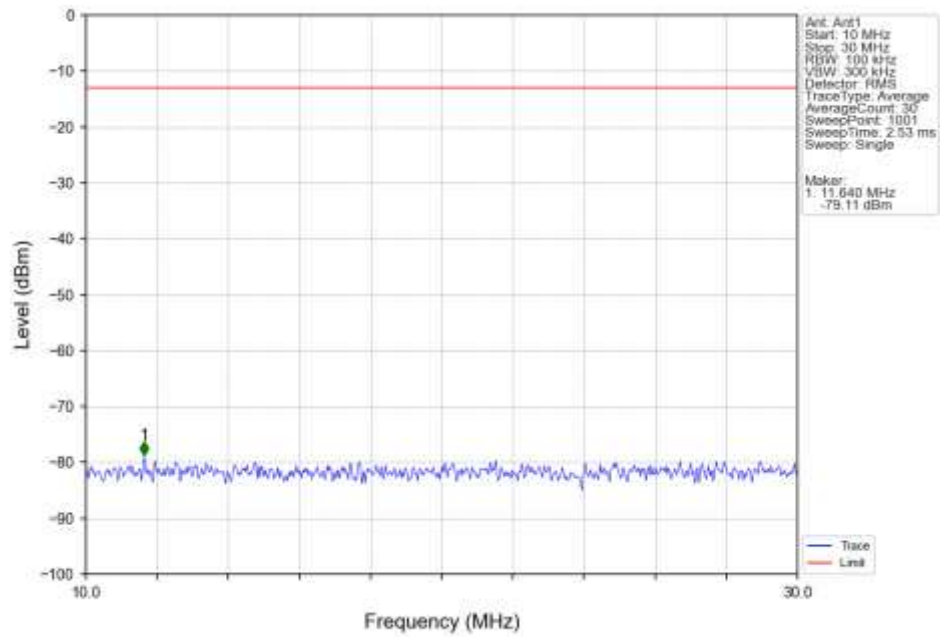
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV



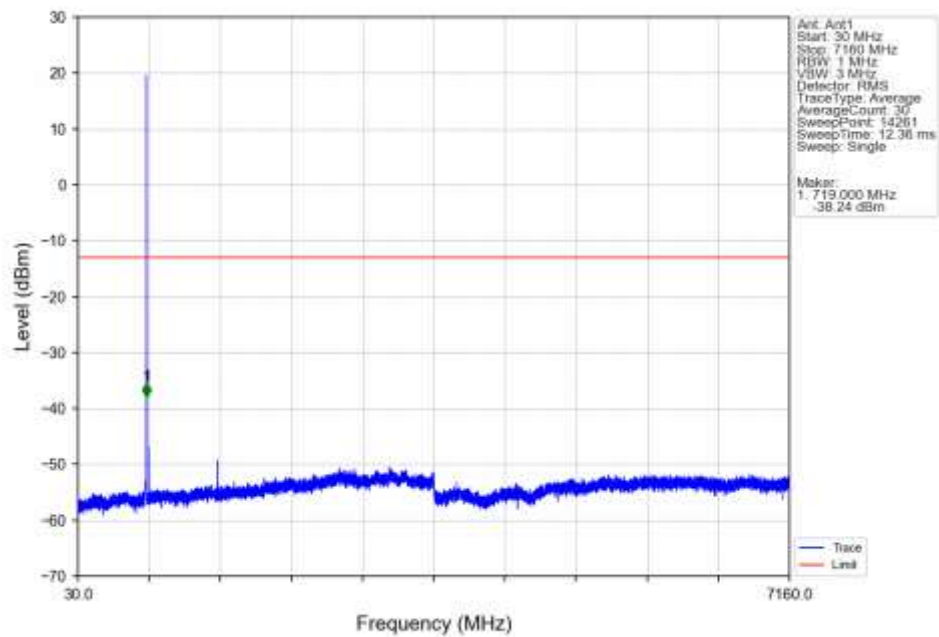
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV



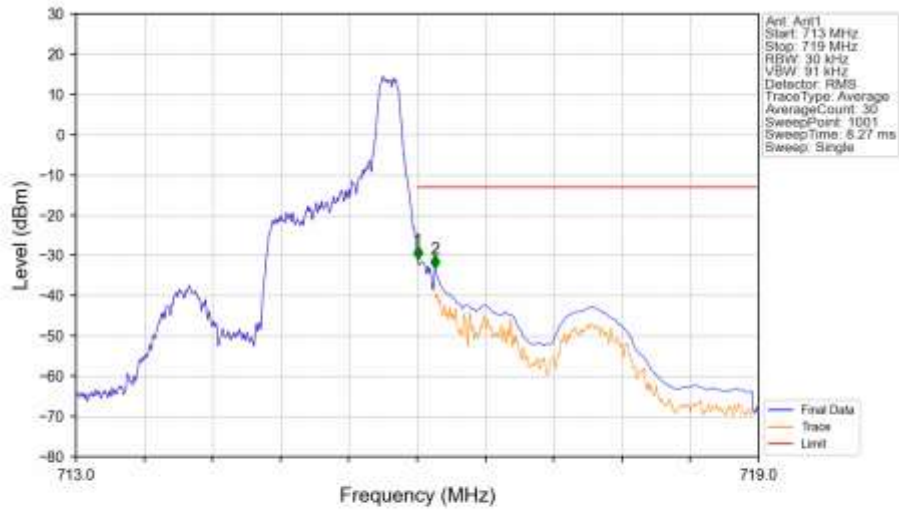
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV



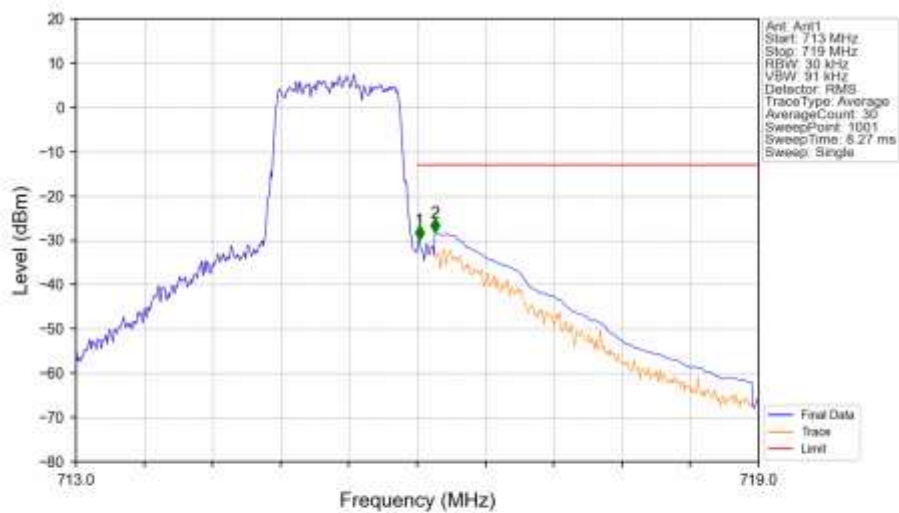
Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 0 NTNV



Band12 1.4MHz 16QAM HCH 715.3MHz RB 1 5 NTNV

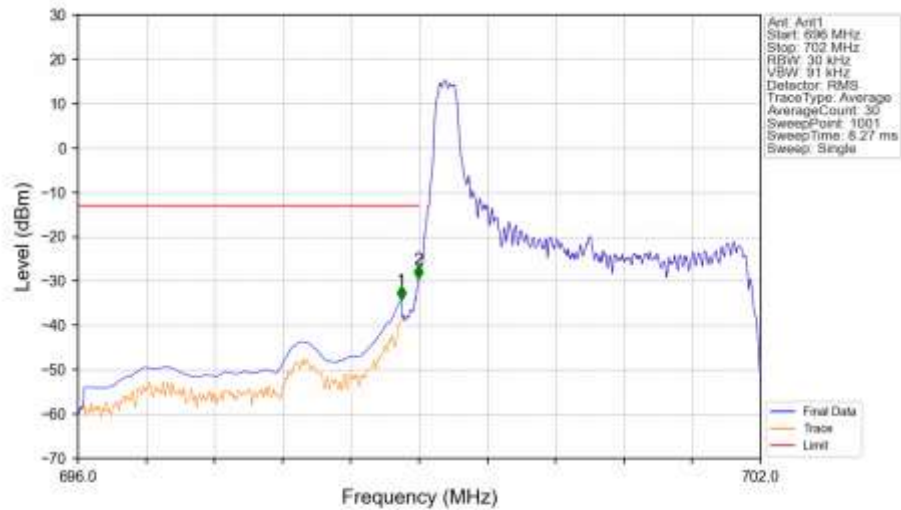


Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV

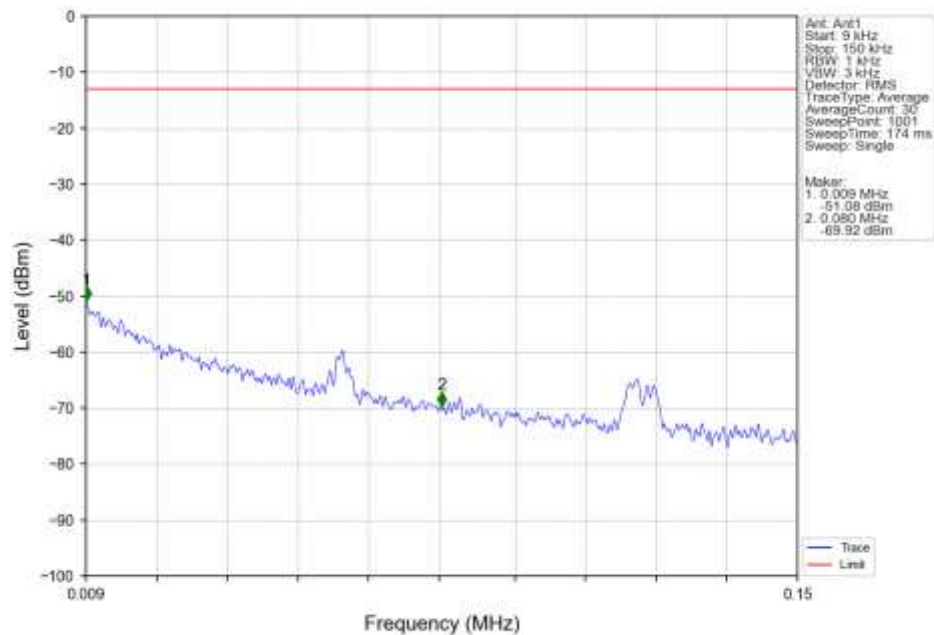


6.2.2 B12_3MHz

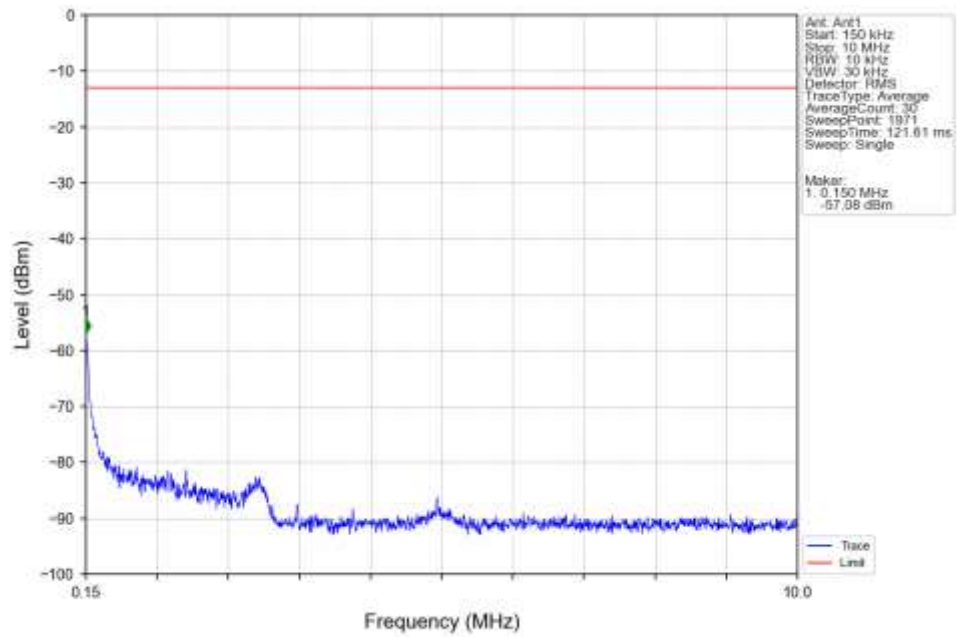
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



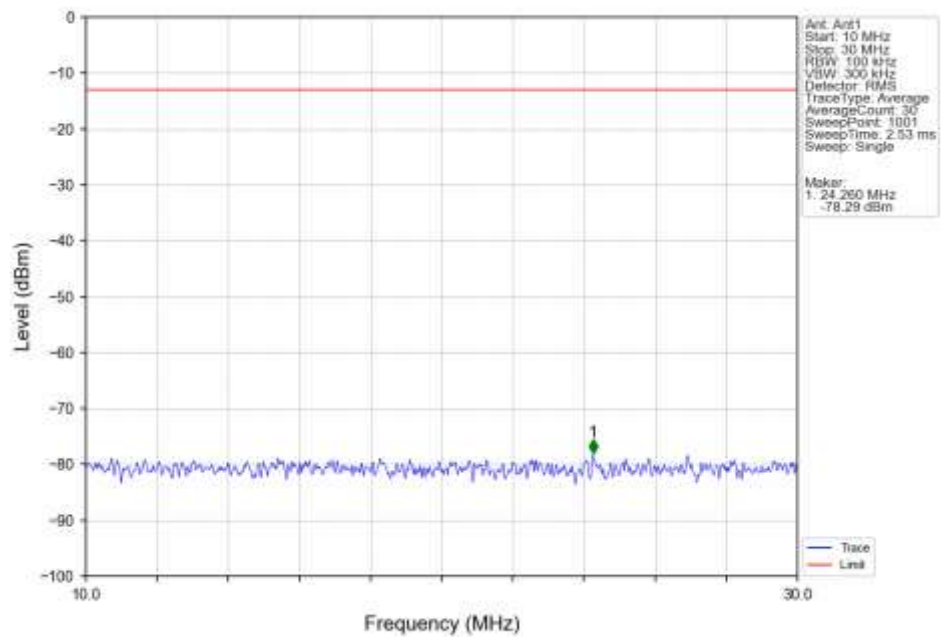
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



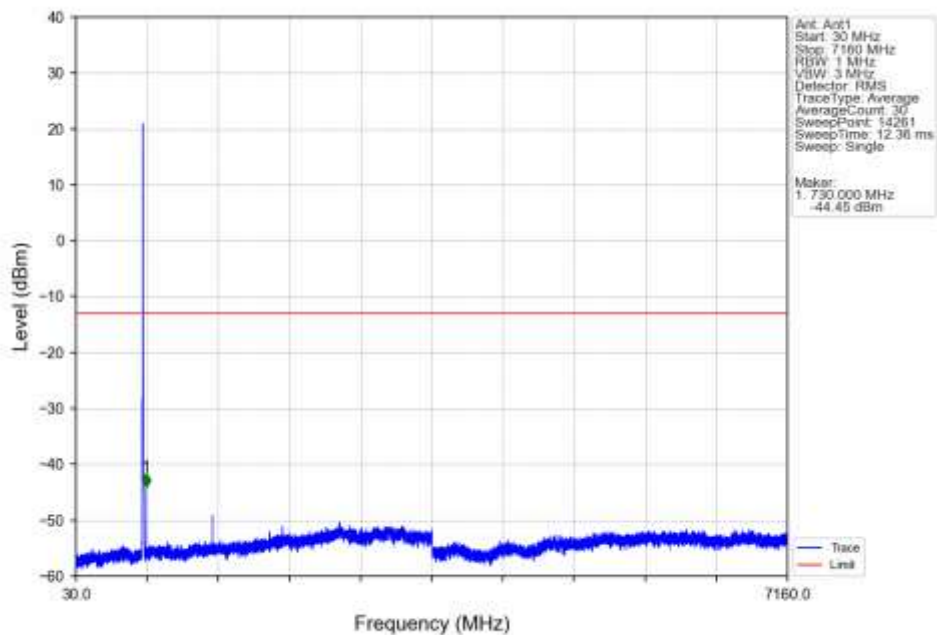
Band12 3MHz QPSK LCH 700.5MHz RB 1 0 NTN



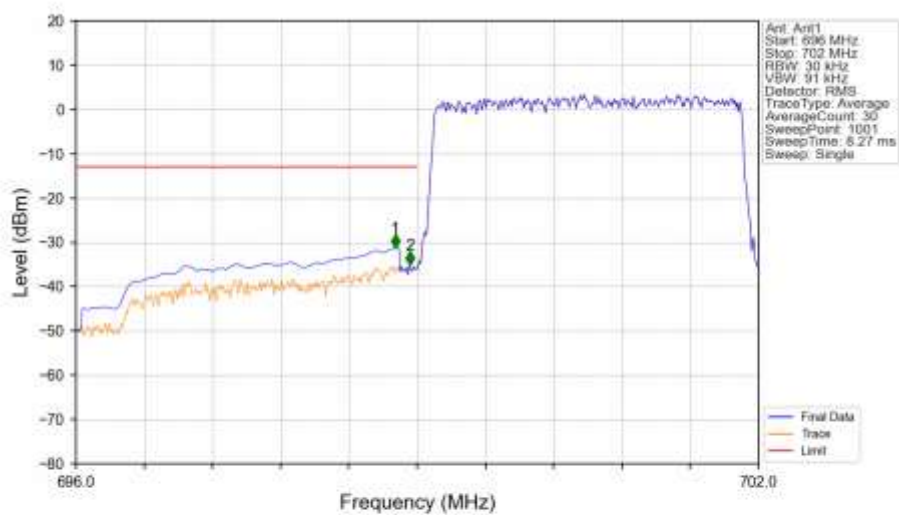
Band12 3MHz QPSK LCH 700.5MHz RB 1 0 NTN



Band12 3MHz QPSK LCH 700.5MHz RB 1 0 NTNV

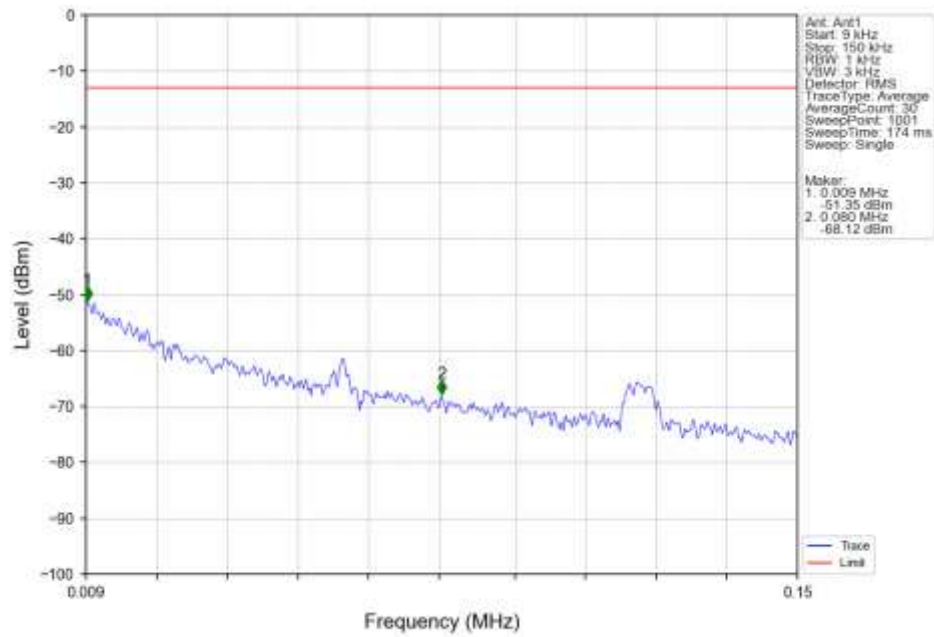


Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV

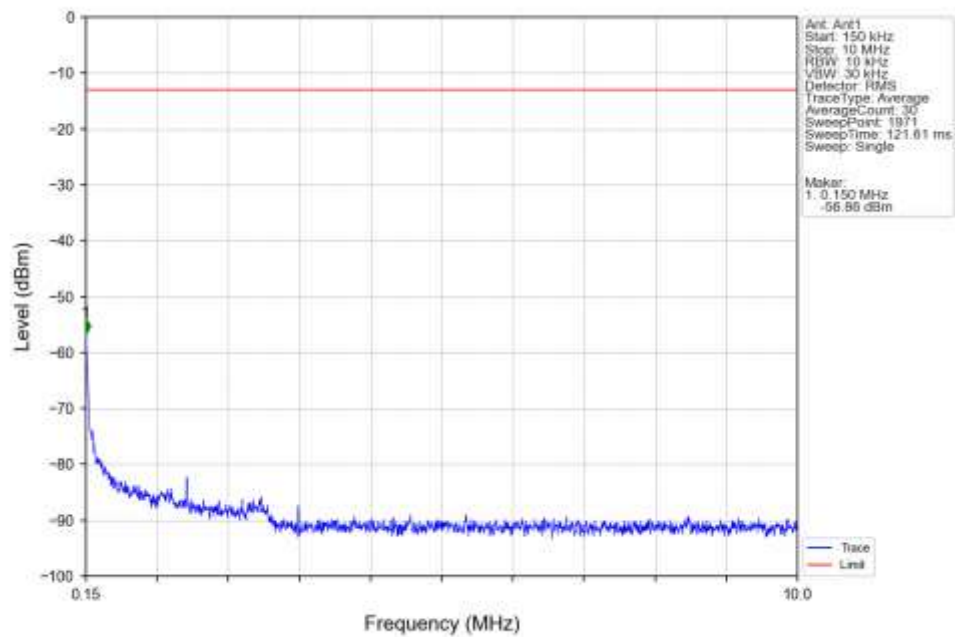


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.808	-31.29	-13	Pass
698.9	699	0.03	/	2	698.934	-35.21	-13	Pass
699	702	0.03	/	/	/	/	/	/

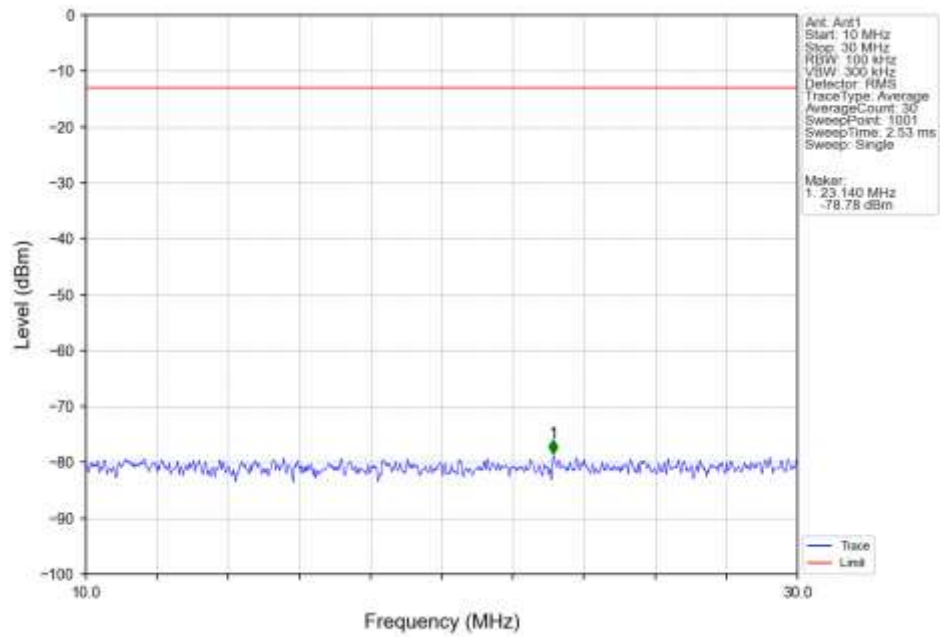
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



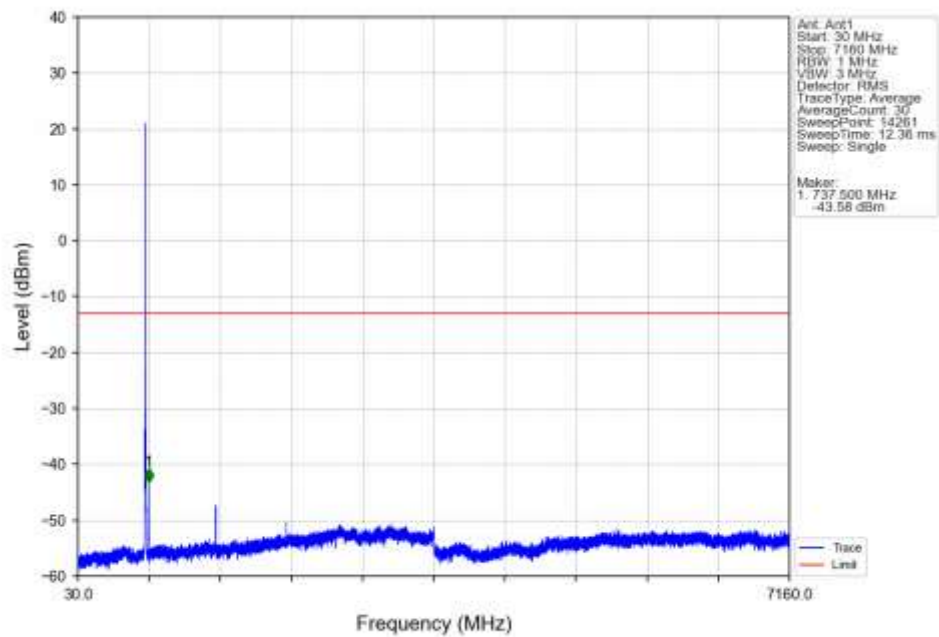
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



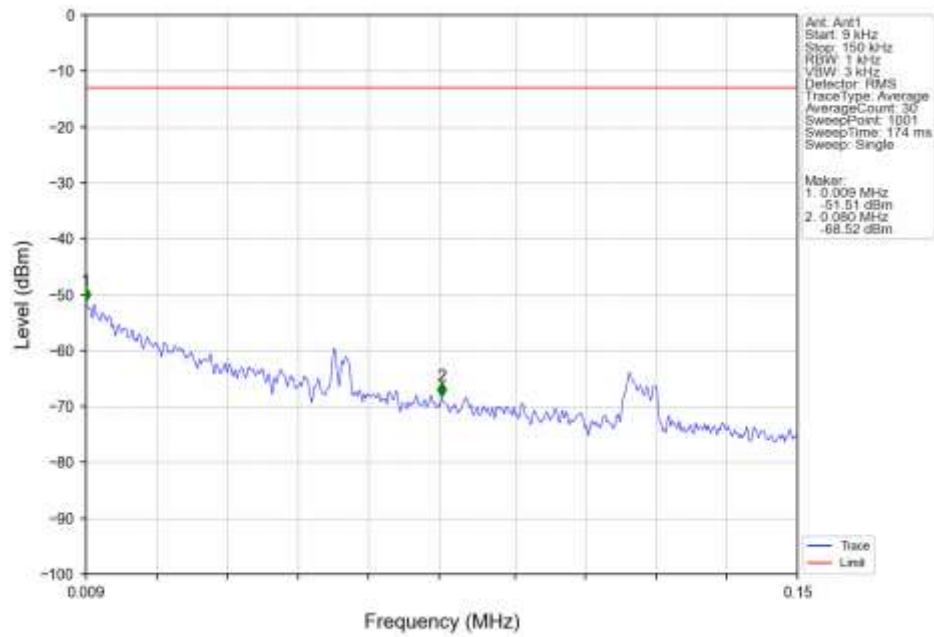
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTN



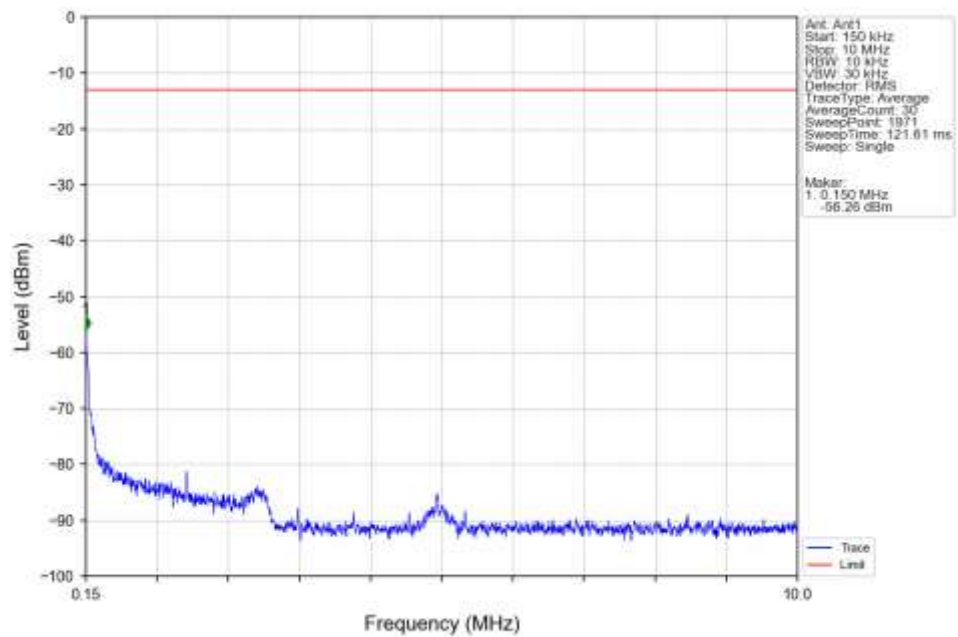
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTN



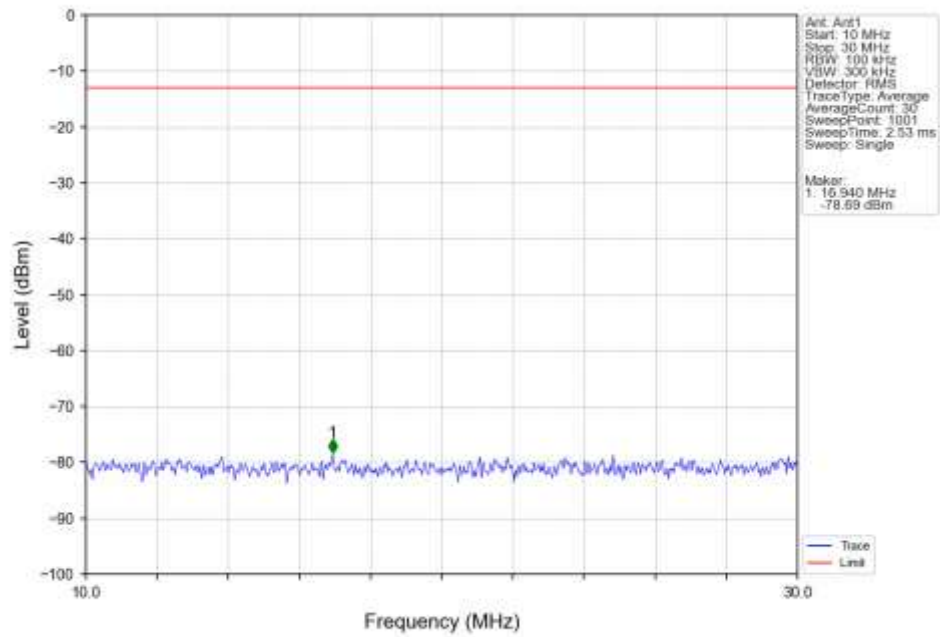
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTNV



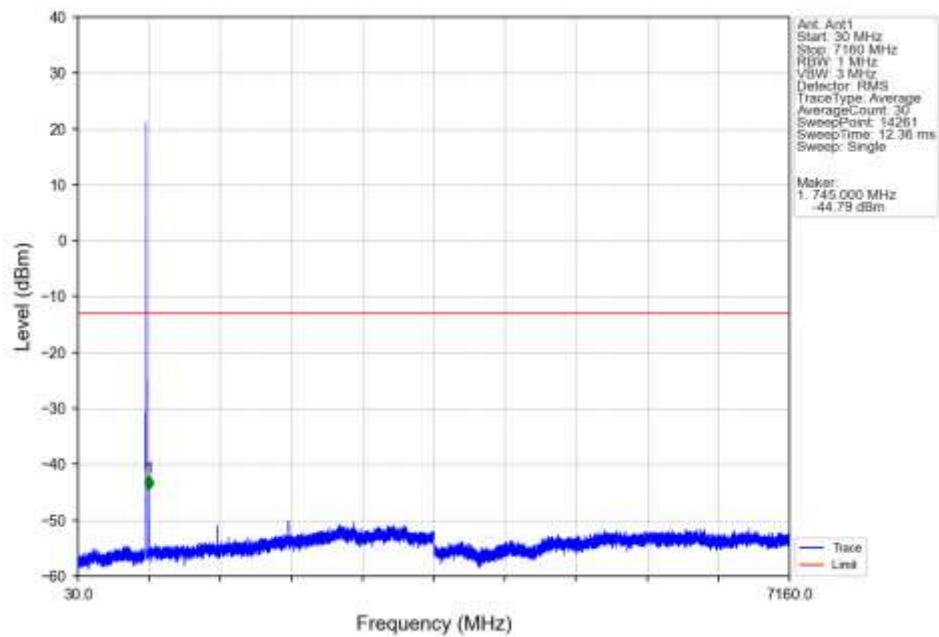
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTNV



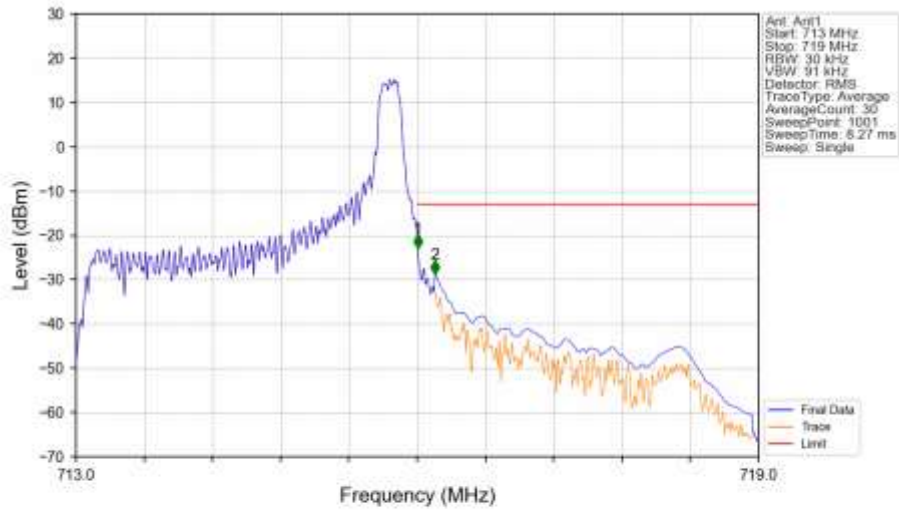
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTNV



Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTNV

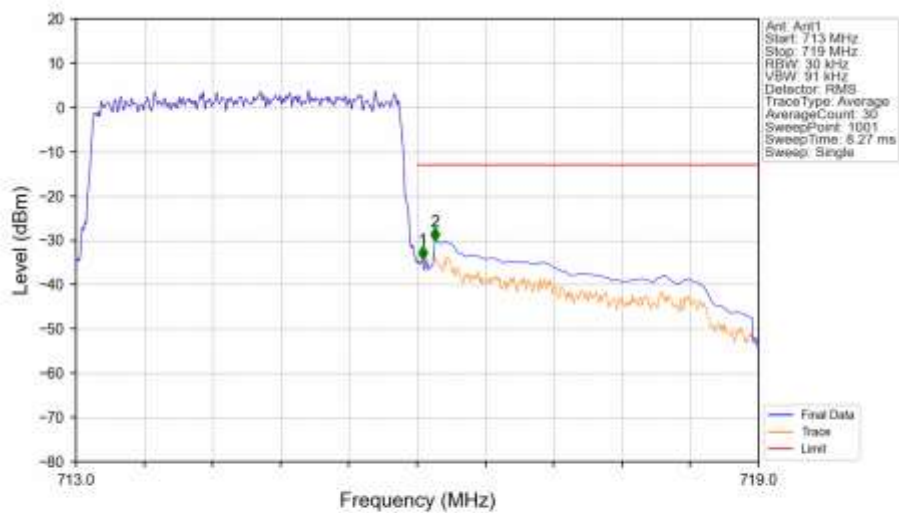


Band12 3MHz QPSK HCH 714.5MHz RB 1 14 NTV



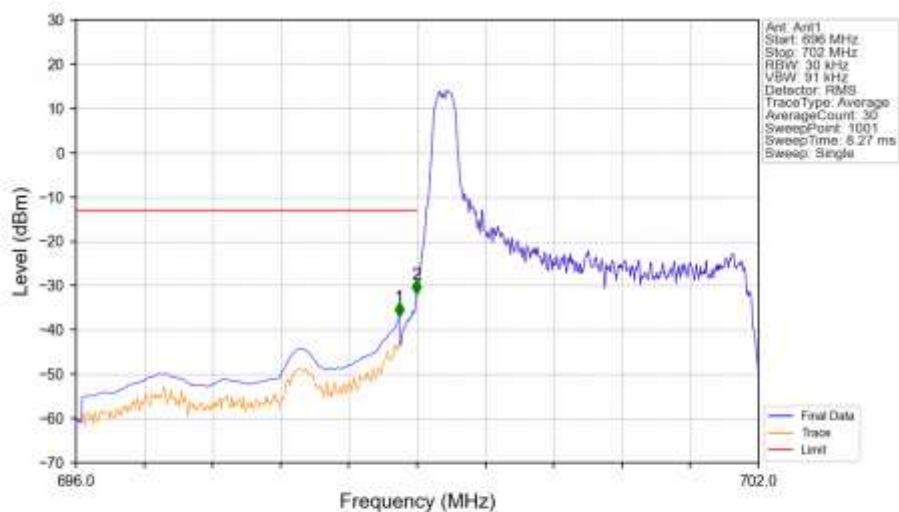
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.006	-23.01	-13	Pass
716.1	719	0.1	CHP	2	716.156	-28.78	-13	Pass

Band12 3MHz QPSK HCH 714.5MHz RB 15 0 NTV

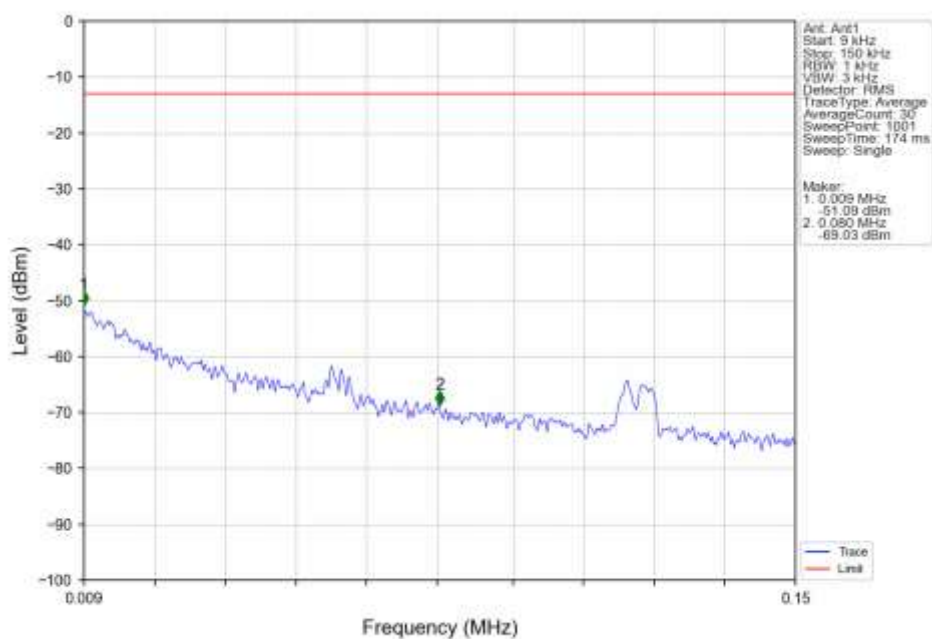


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
713	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.048	-34.45	-13	Pass
716.1	719	0.1	CHP	2	716.156	-30.30	-13	Pass

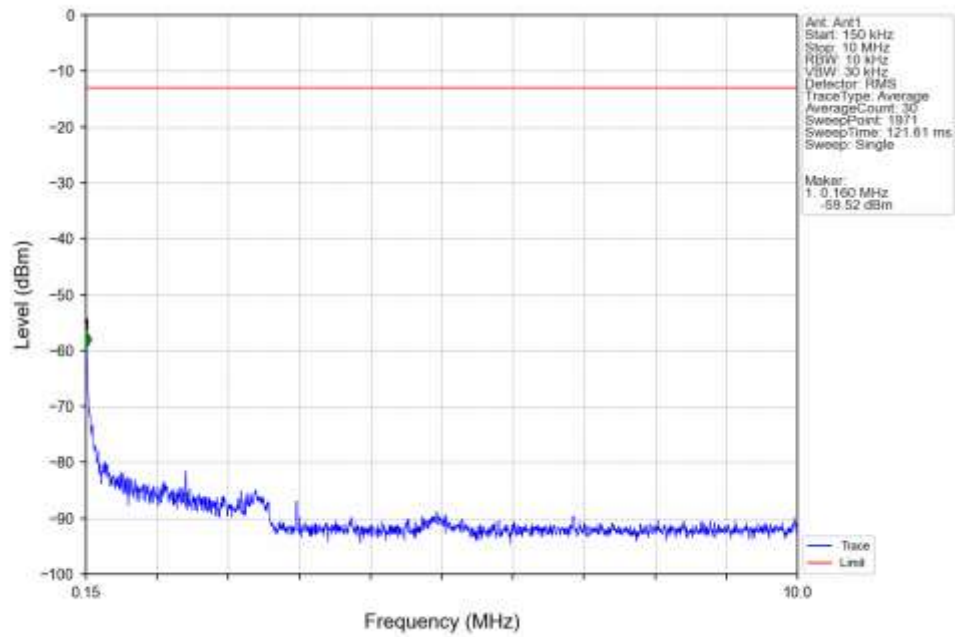
Band12 3MHz 16QAM LCH 700.5MHz RB 1 0 NTNV



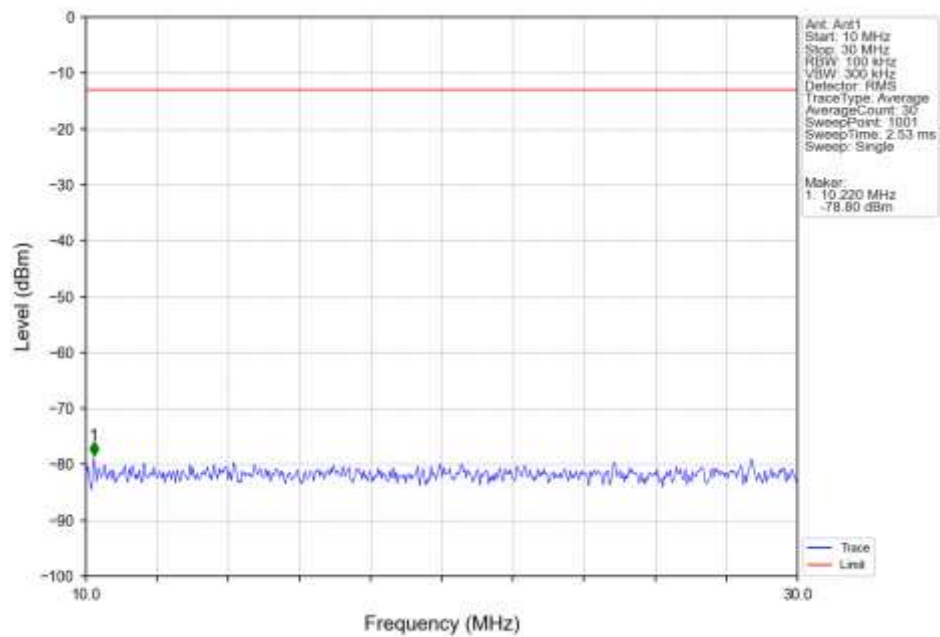
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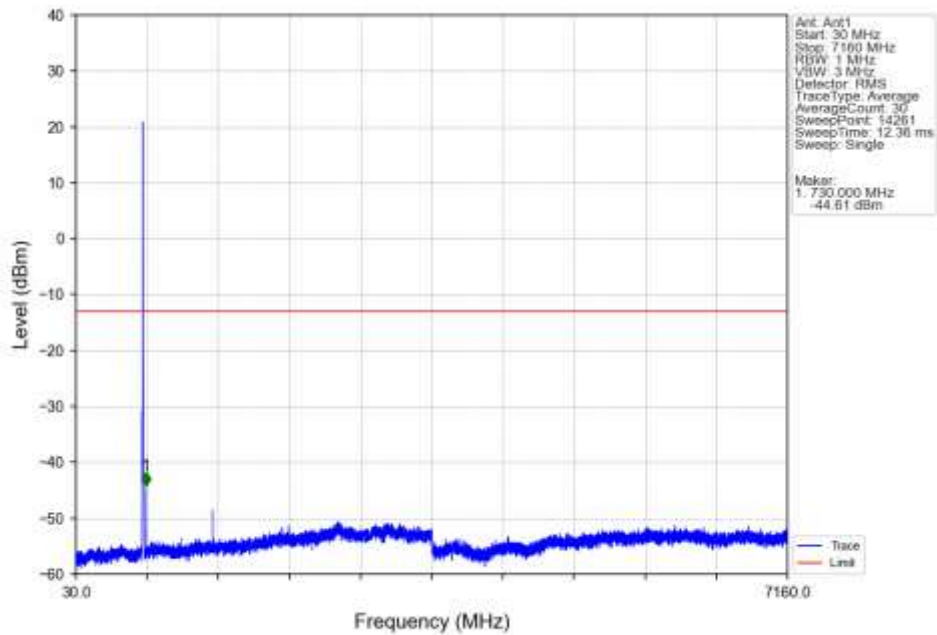
Band12 3MHz 16QAM LCH 700.5MHz RB 1 0 NTNV



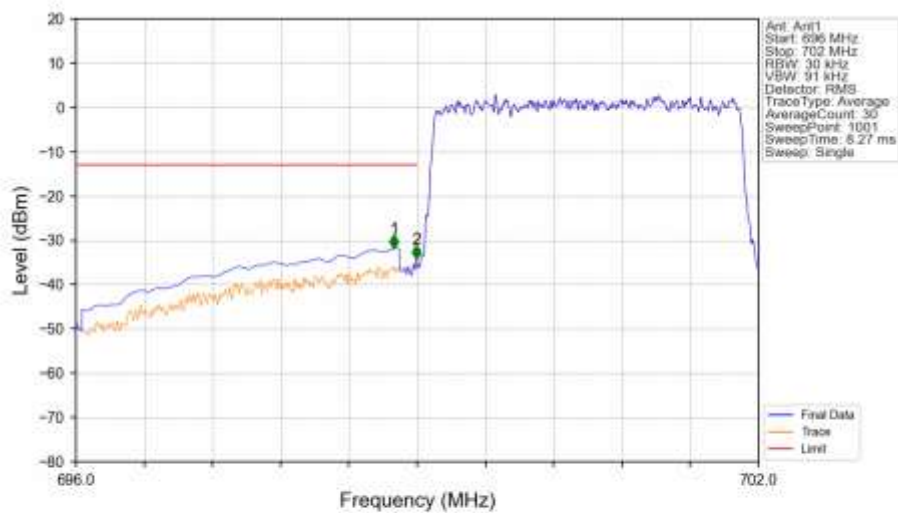
Band12 3MHz 16QAM LCH 700.5MHz RB 1 0 NTNV



Band12 3MHz 16QAM LCH 700.5MHz RB 1 0 NTNV

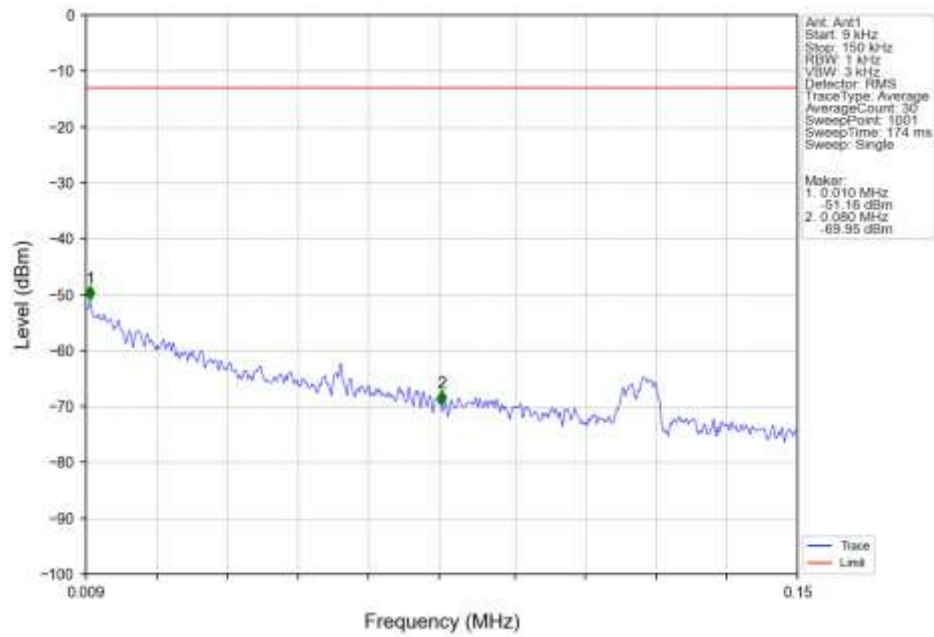


Band12 3MHz 16QAM LCH 700.5MHz RB 15 0 NTNV

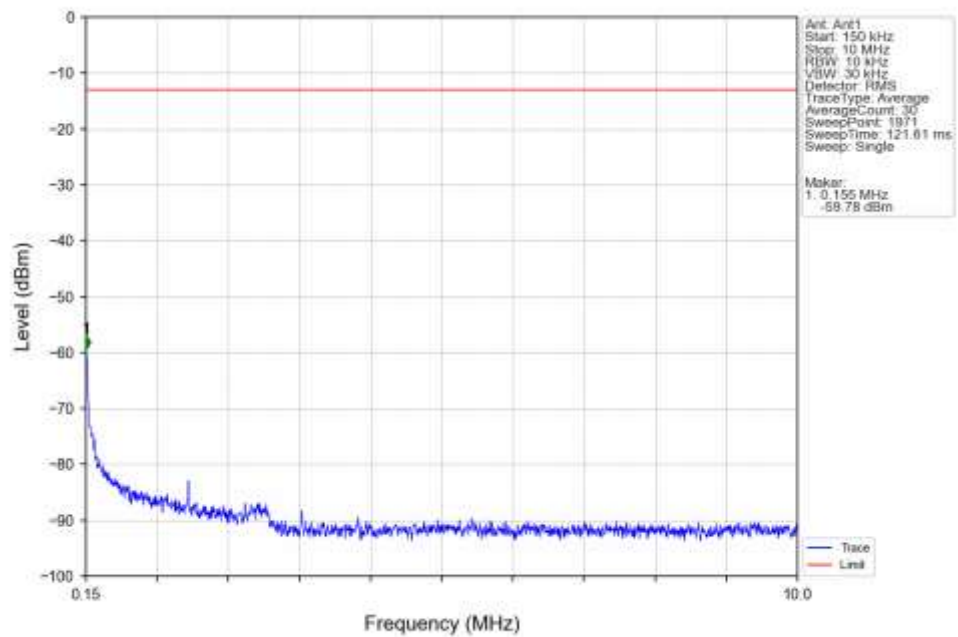


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.796	-31.83	-13	Pass
698.9	699	0.03	/	2	698.994	-34.29	-13	Pass
699	702	0.03	/	/	/	/	/	/

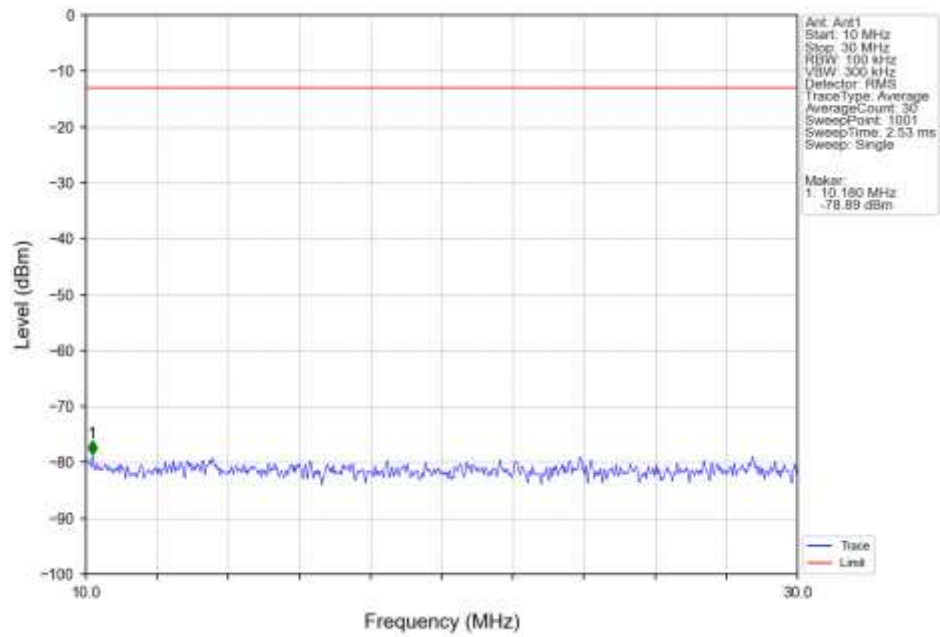
Band12 3MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



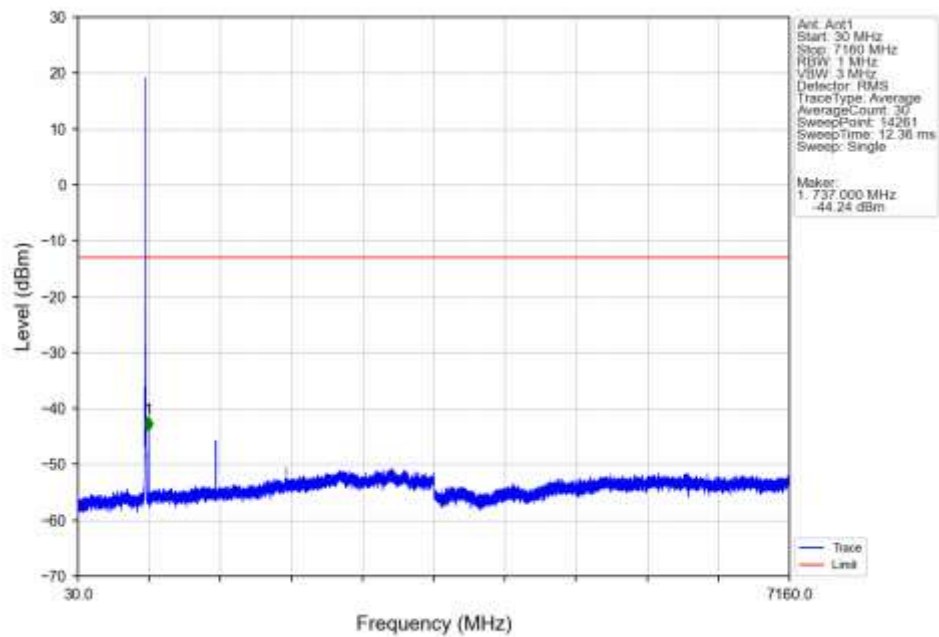
Band12 3MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



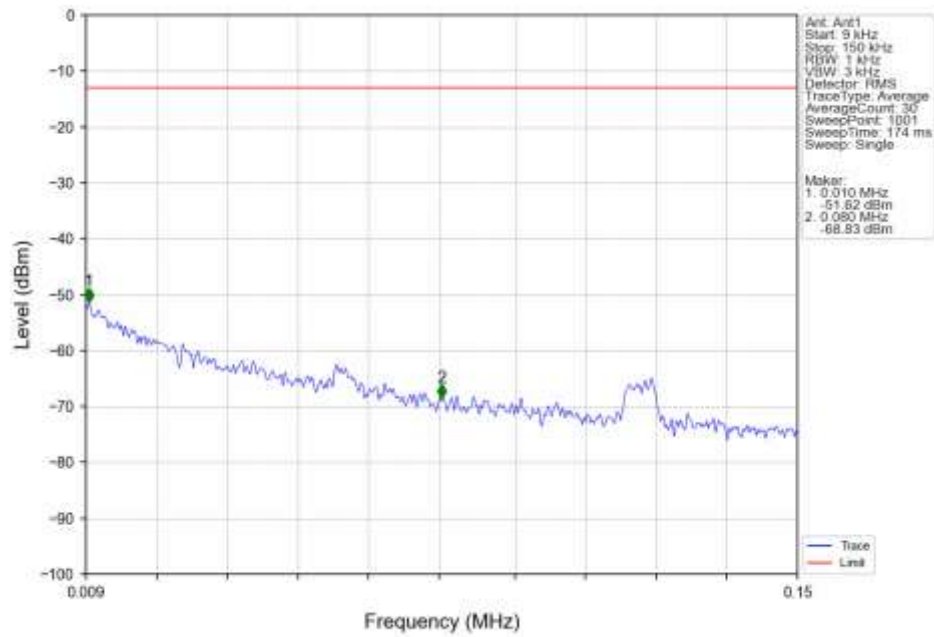
Band12 3MHz 16QAM MCH 707.5MHz RB 1 0 NTV



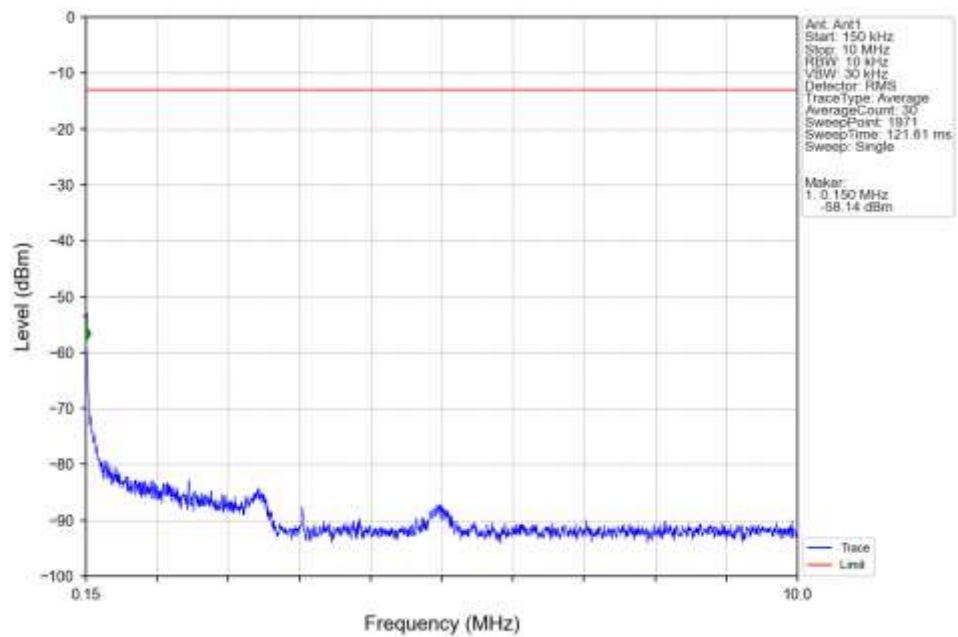
Band12 3MHz 16QAM MCH 707.5MHz RB 1 0 NTV



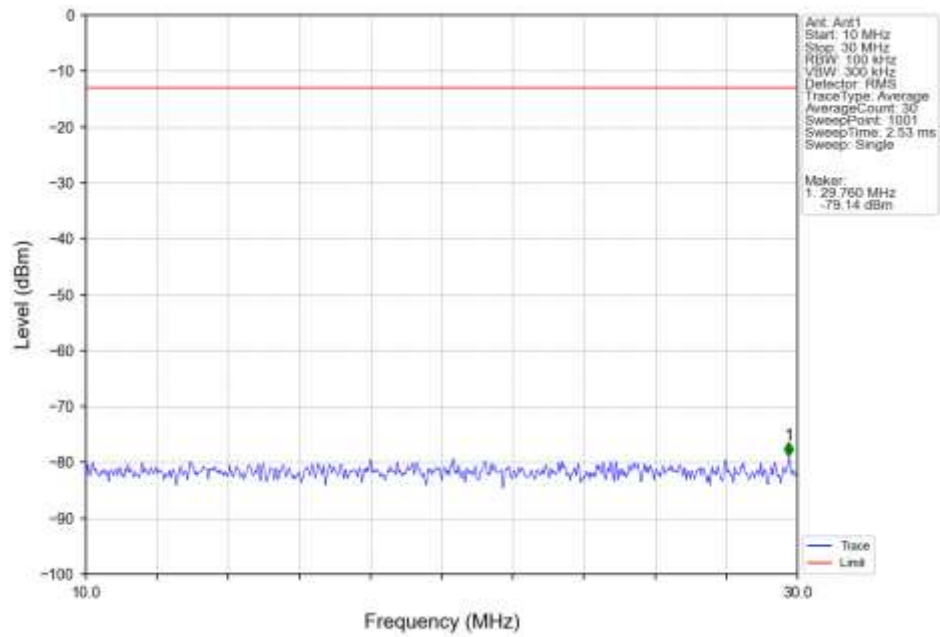
Band12 3MHz 16QAM HCH 714.5MHz RB 1 0 NTV



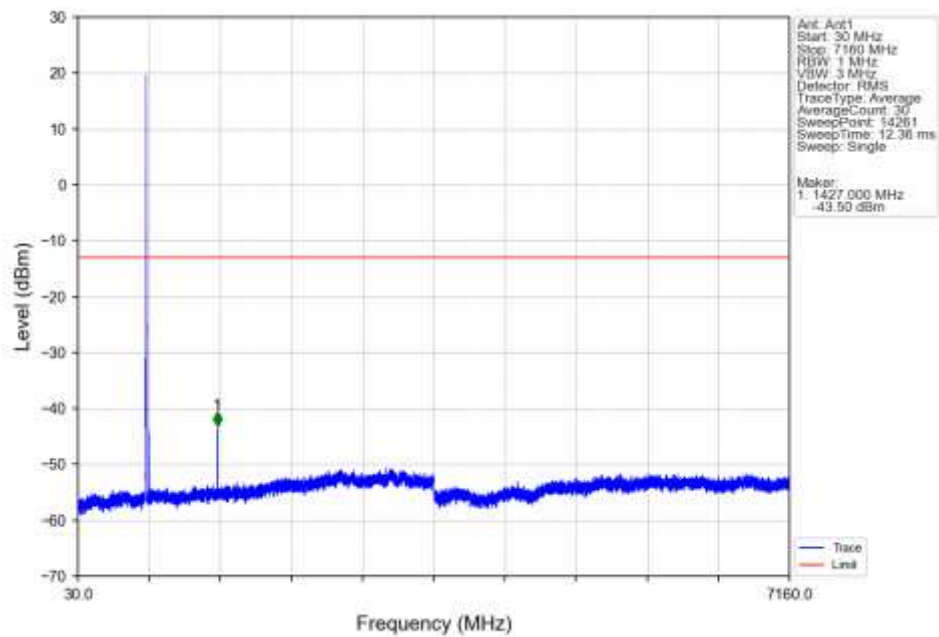
Band12 3MHz 16QAM HCH 714.5MHz RB 1 0 NTV



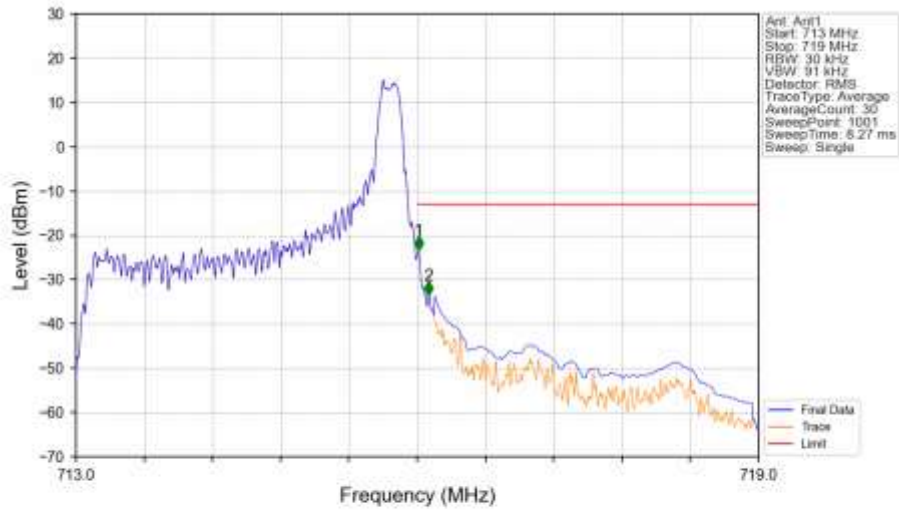
Band12 3MHz 16QAM HCH 714.5MHz RB 1 0 NTV



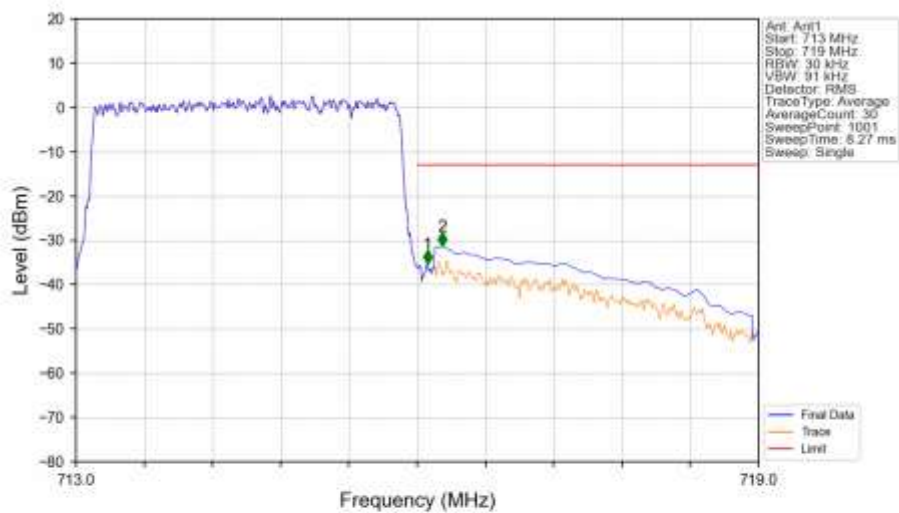
Band12 3MHz 16QAM HCH 714.5MHz RB 1 0 NTV



Band12 3MHz 16QAM HCH 714.5MHz RB 1 14 NTV

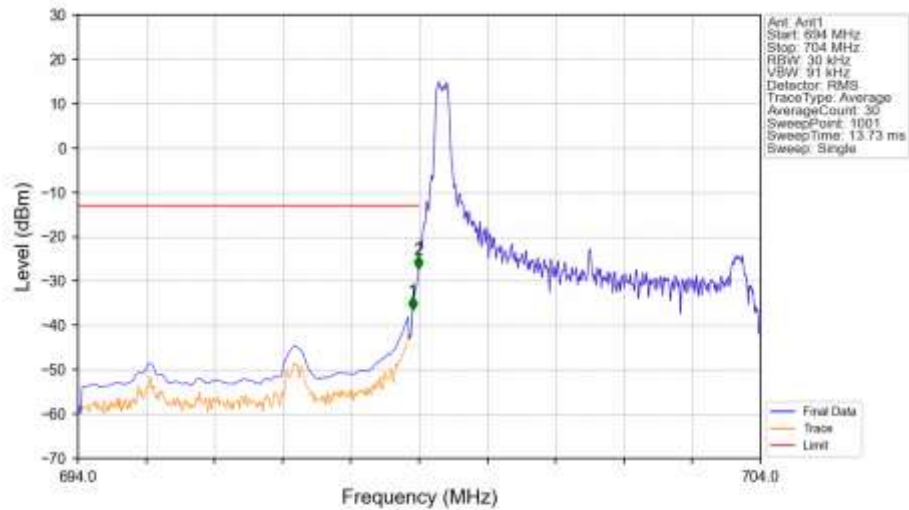


Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTV

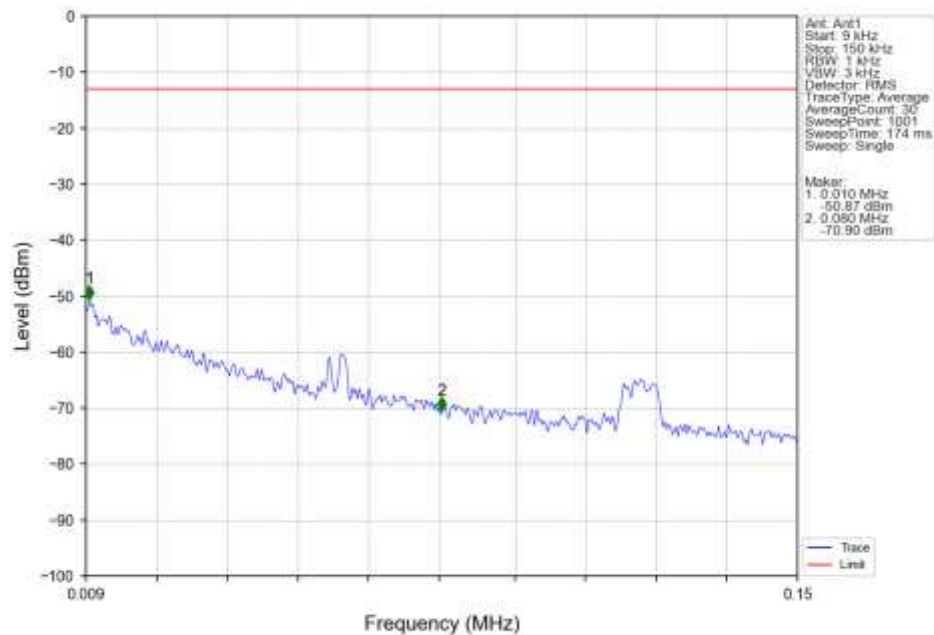


6.2.3 B12_5MHz

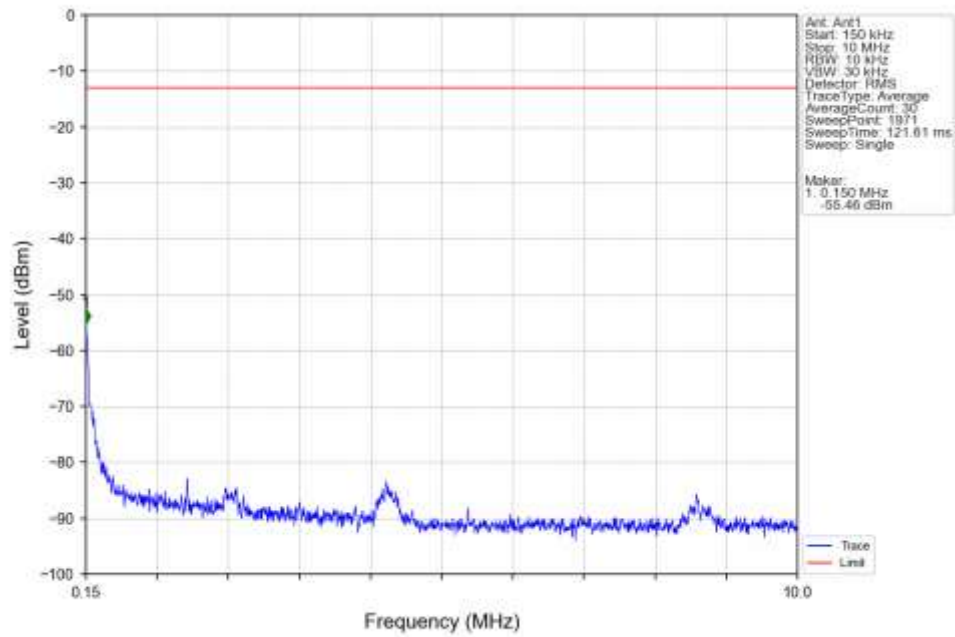
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



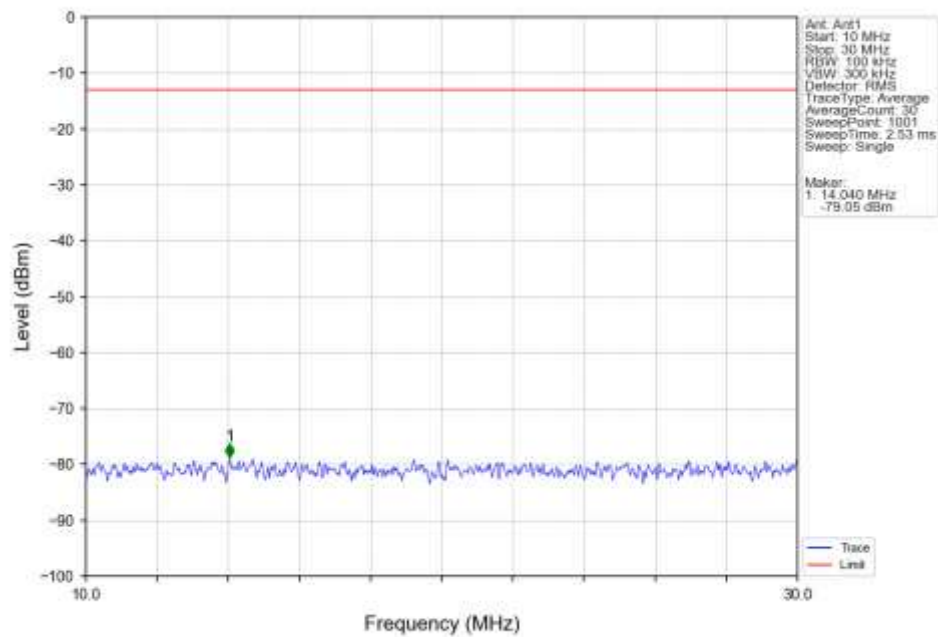
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



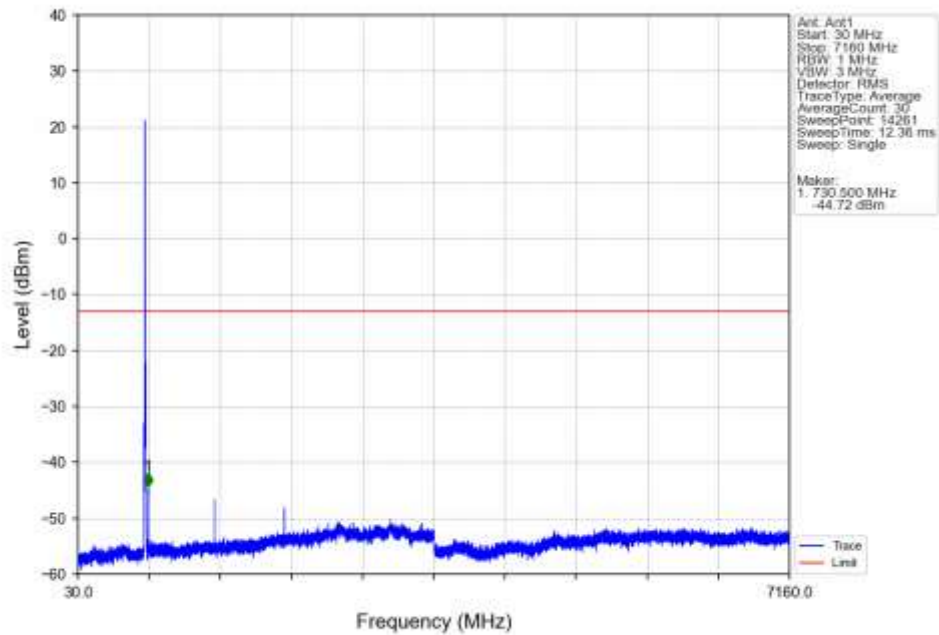
Band12 5MHz QPSK LCH 701.5MHz RB 1 0 NTN



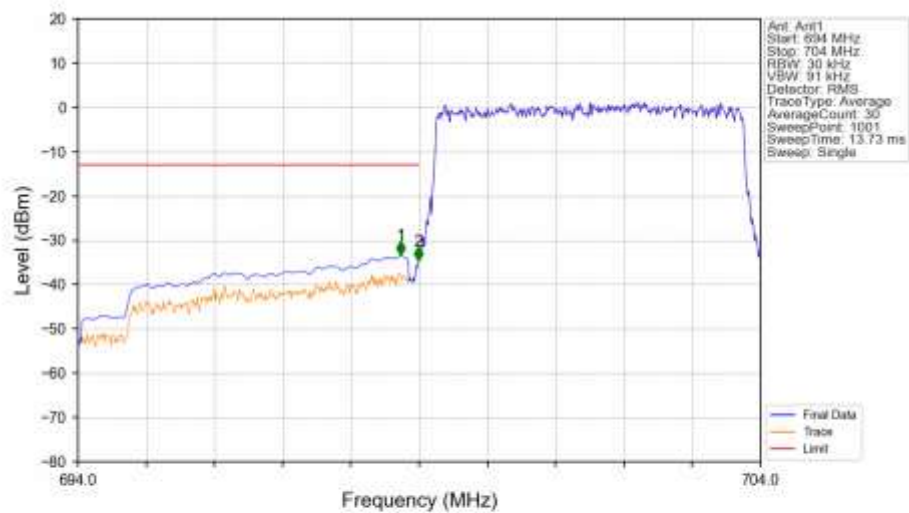
Band12 5MHz QPSK LCH 701.5MHz RB 1 0 NTN



Band12 5MHz QPSK LCH 701.5MHz RB 1 0 NTNV

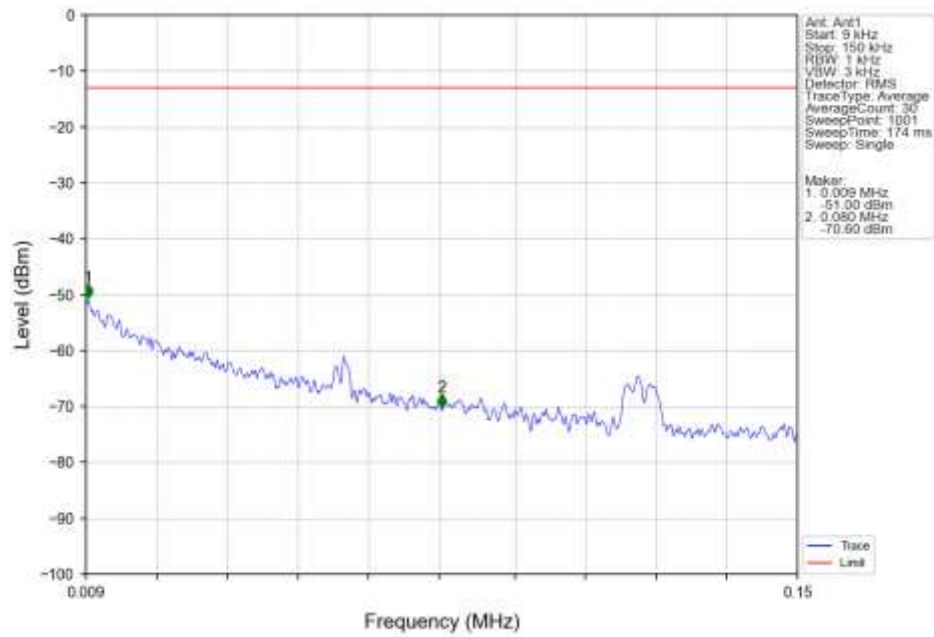


Band12 5MHz QPSK LCH 701.5MHz RB 25 0 NTNV

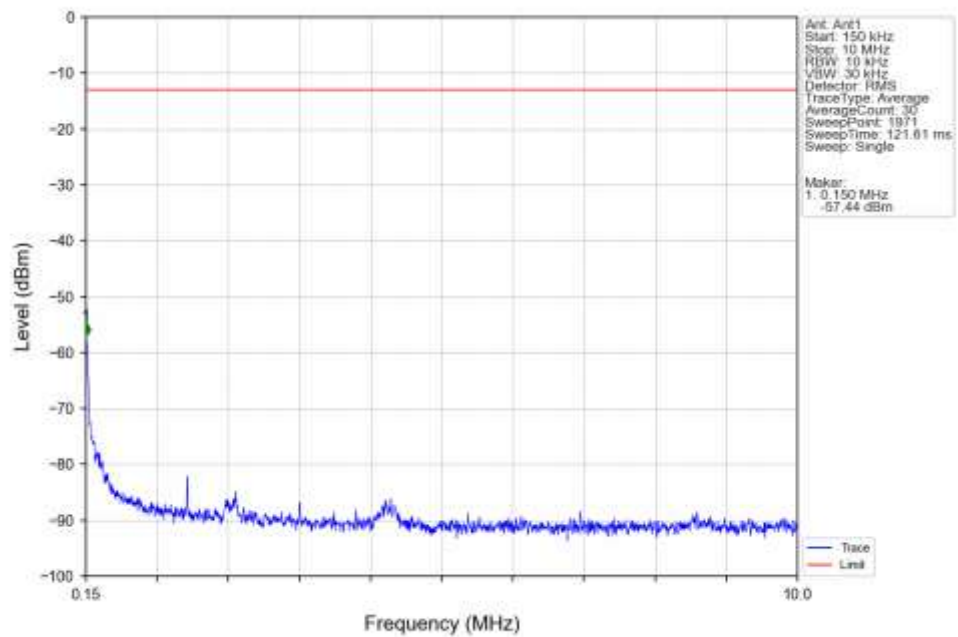


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.730	-33.38	-13	Pass
698.9	699	0.03	/	2	698.990	-34.63	-13	Pass
699	704	0.03	/	/	/	/	/	/

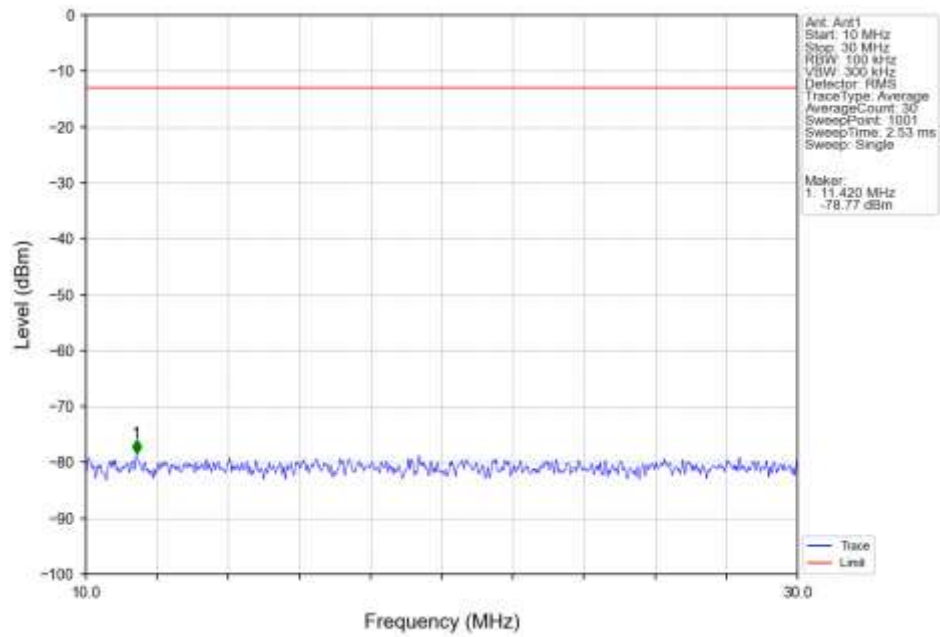
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



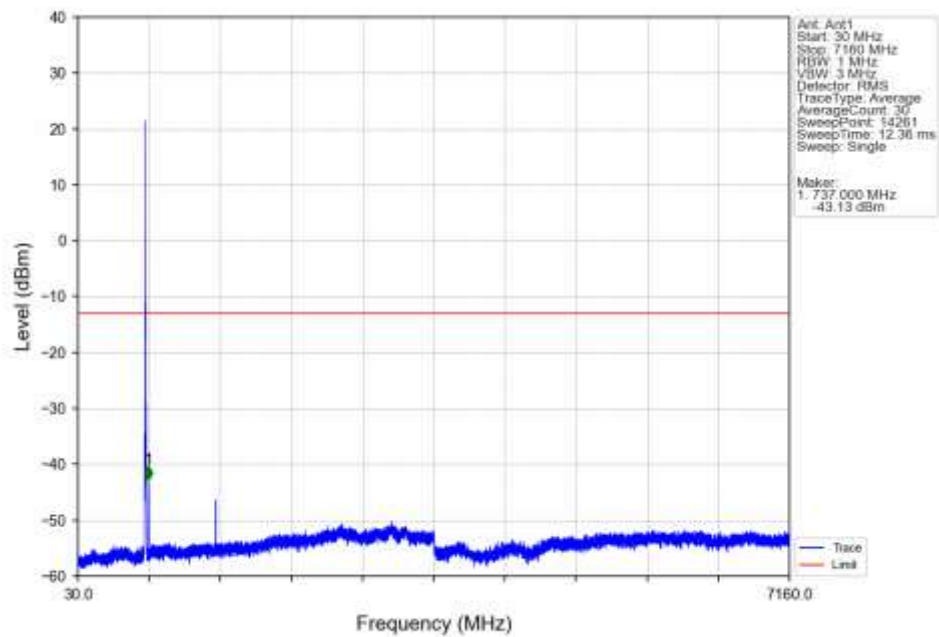
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



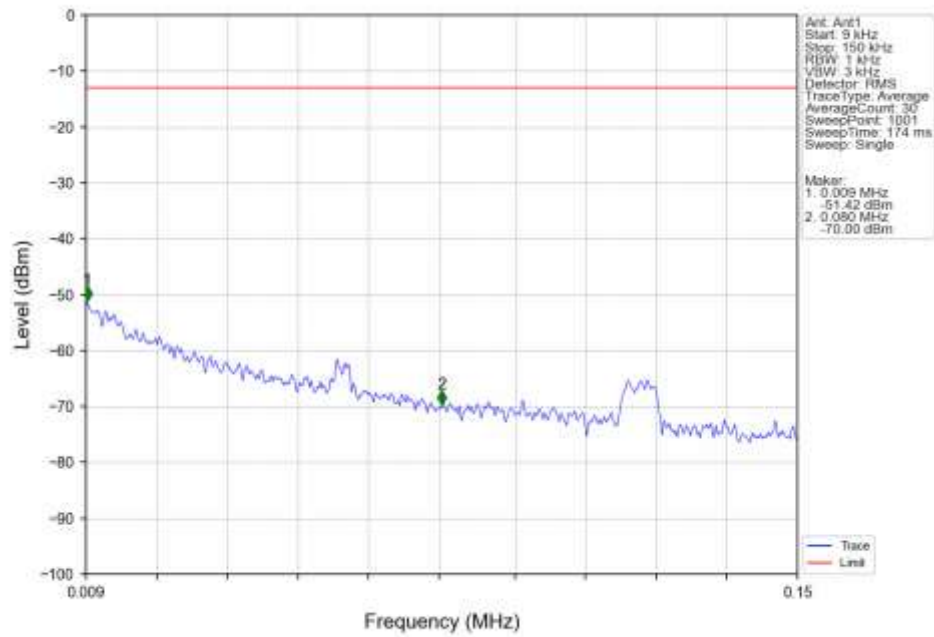
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



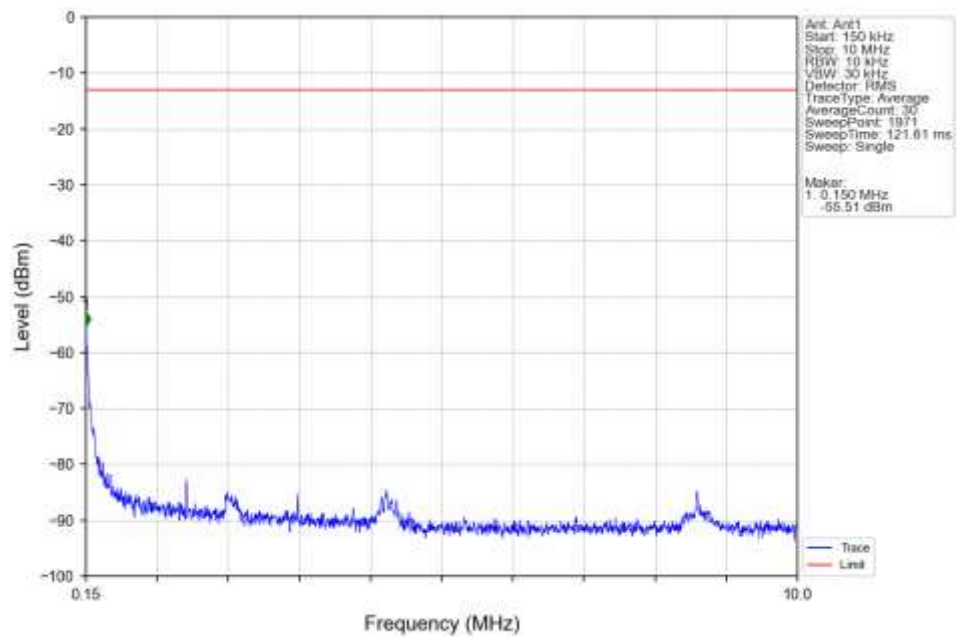
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



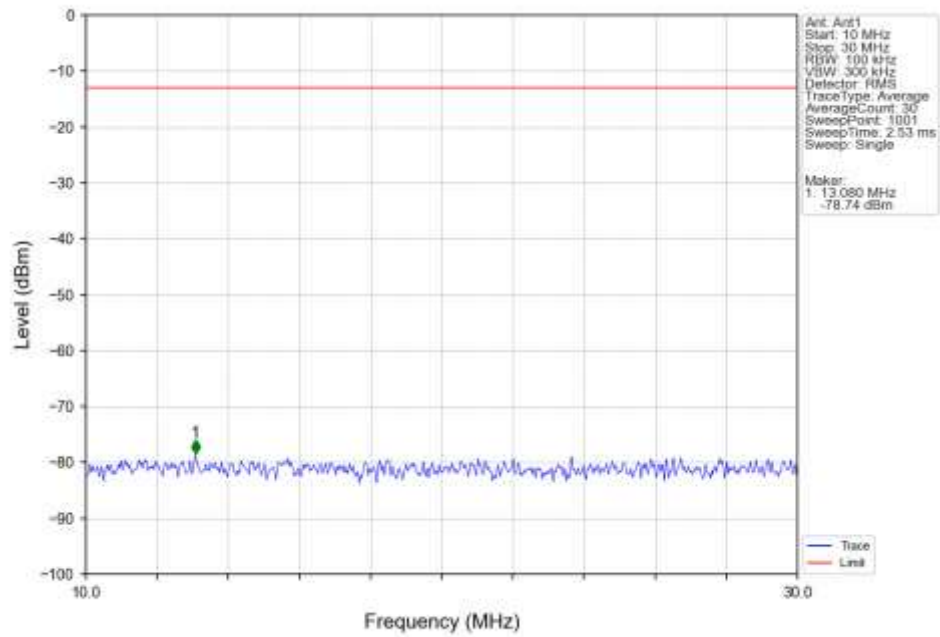
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



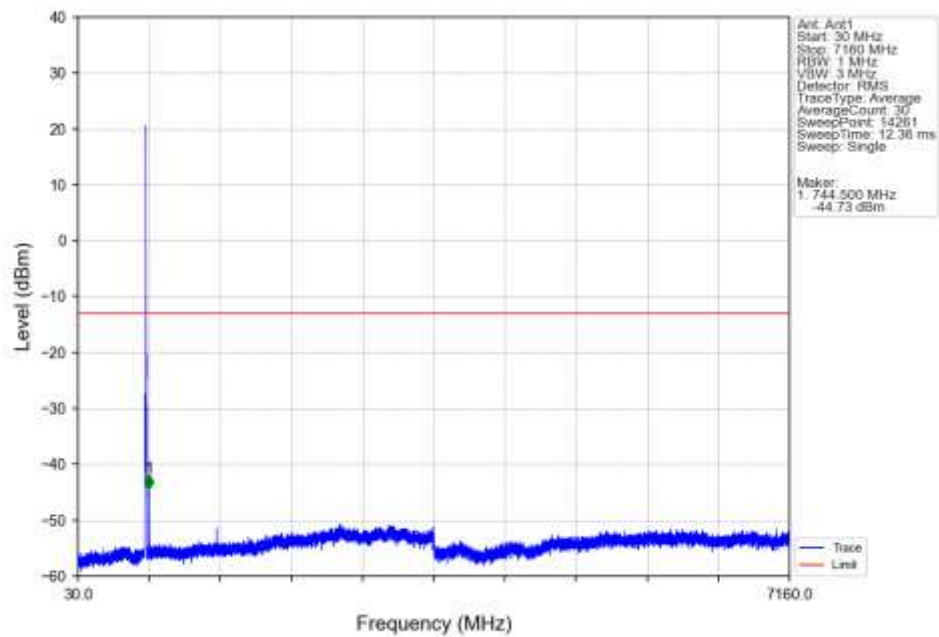
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



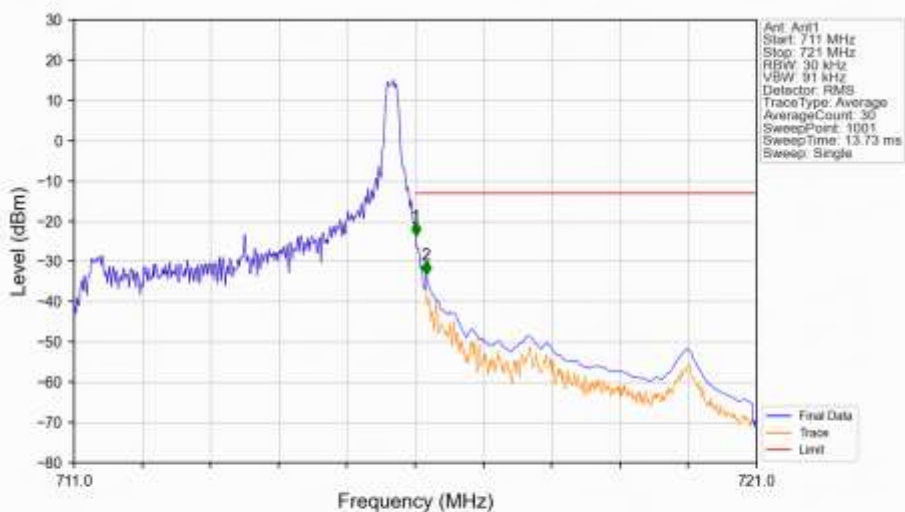
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



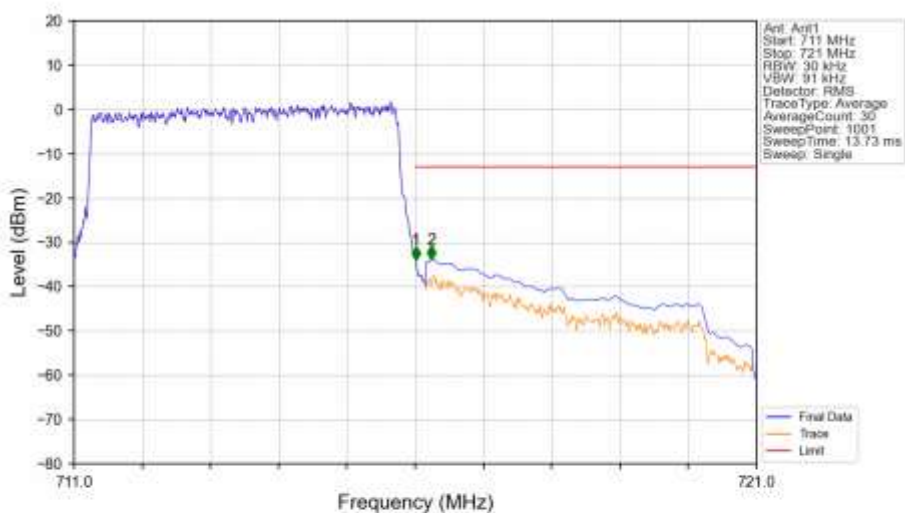
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTN



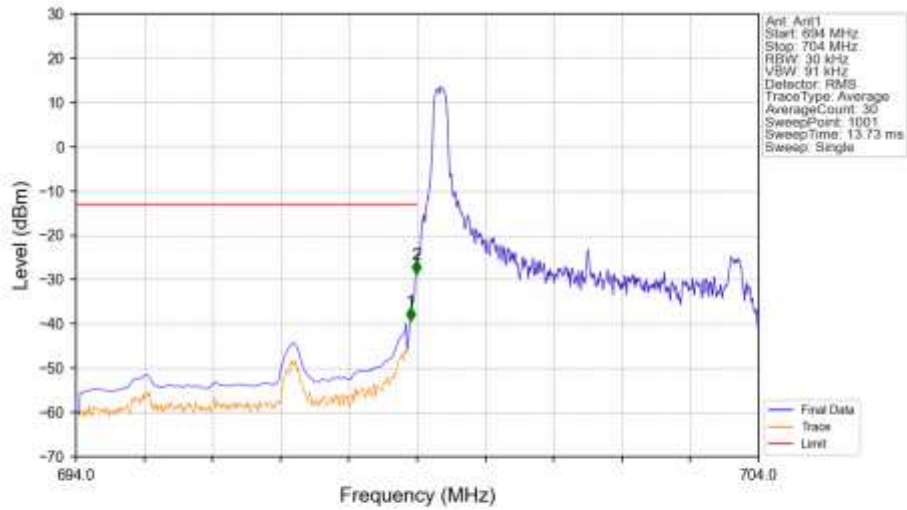
Band12 5MHz QPSK HCH 713.5MHz RB 1 24 NTV



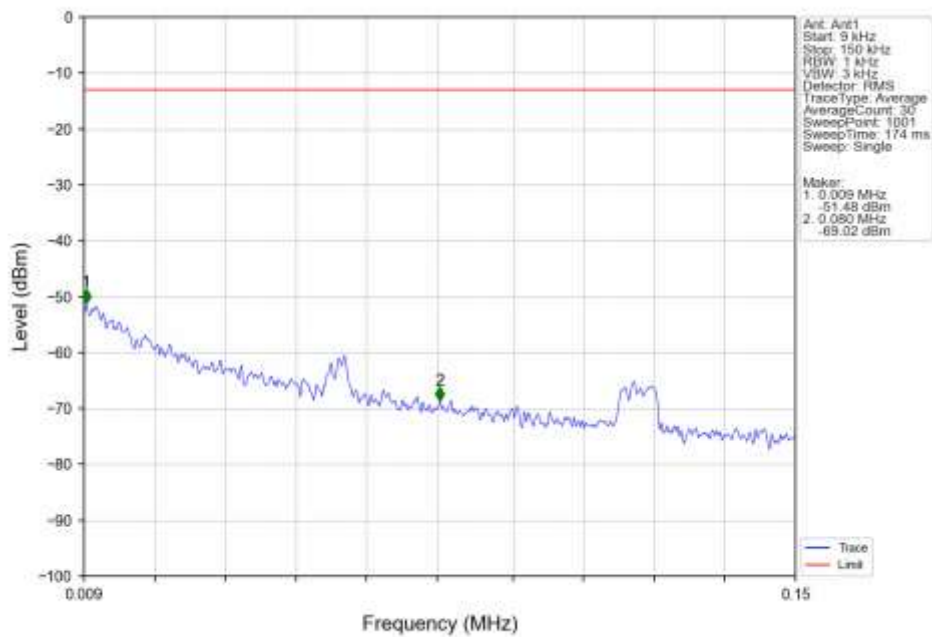
Band12 5MHz QPSK HCH 713.5MHz RB 25 0 NTV



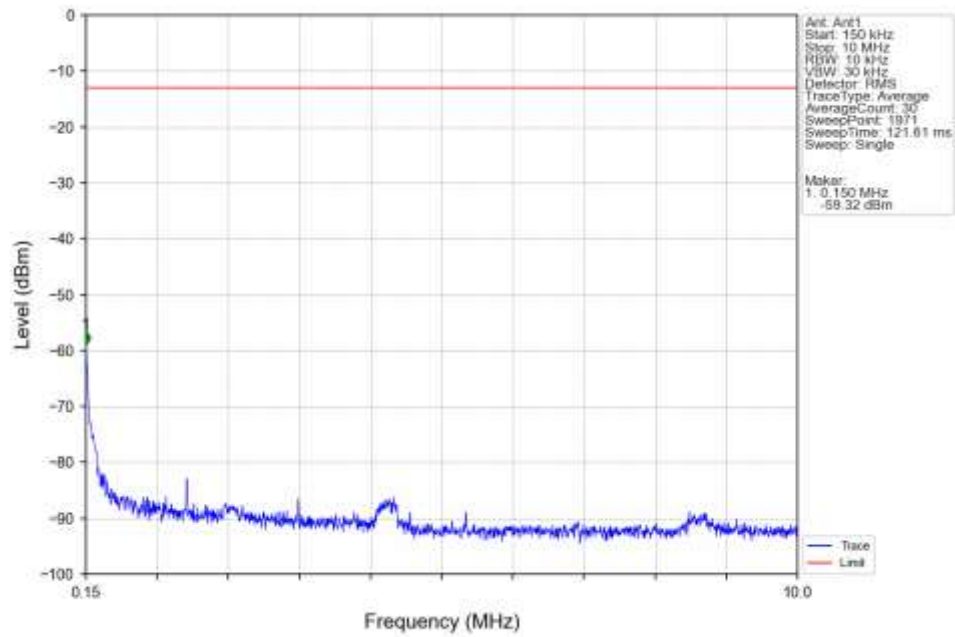
Band12 5MHz 16QAM LCH 701.5MHz RB 1 0 NTV



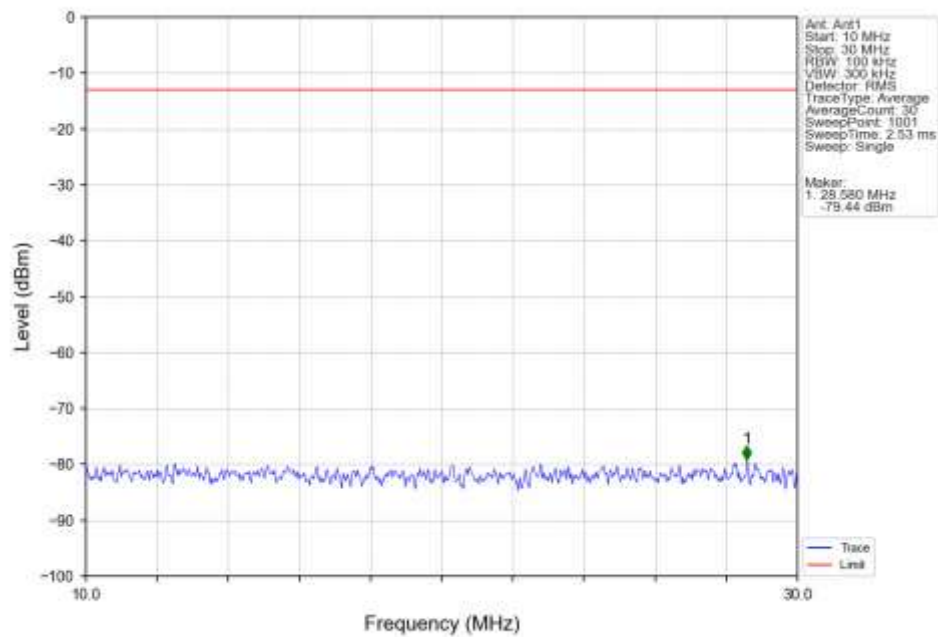
Band12 5MHz 16QAM LCH 701.5MHz RB 1 0 NTV



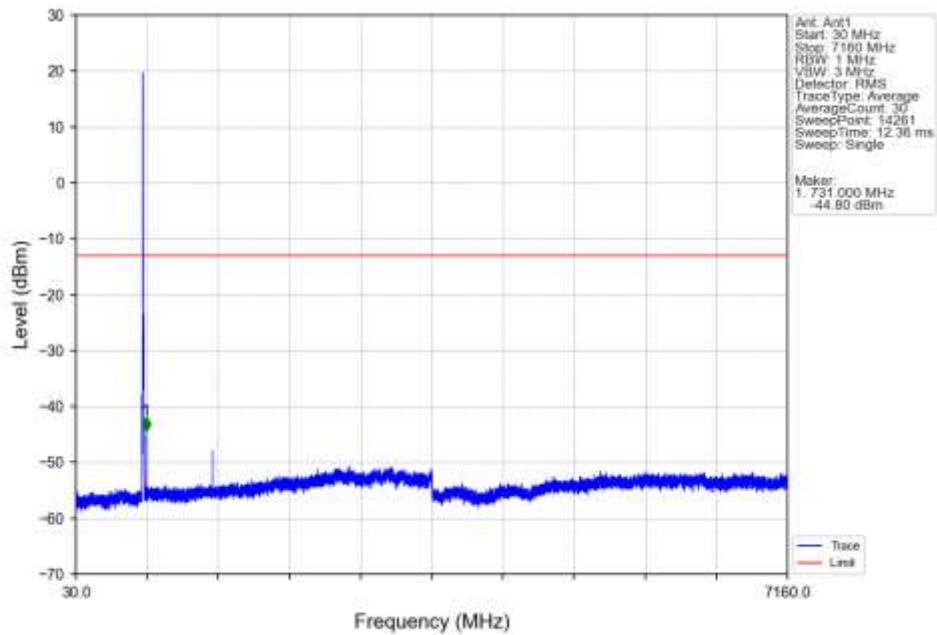
Band12 5MHz 16QAM LCH 701.5MHz RB 1 0 NTNV



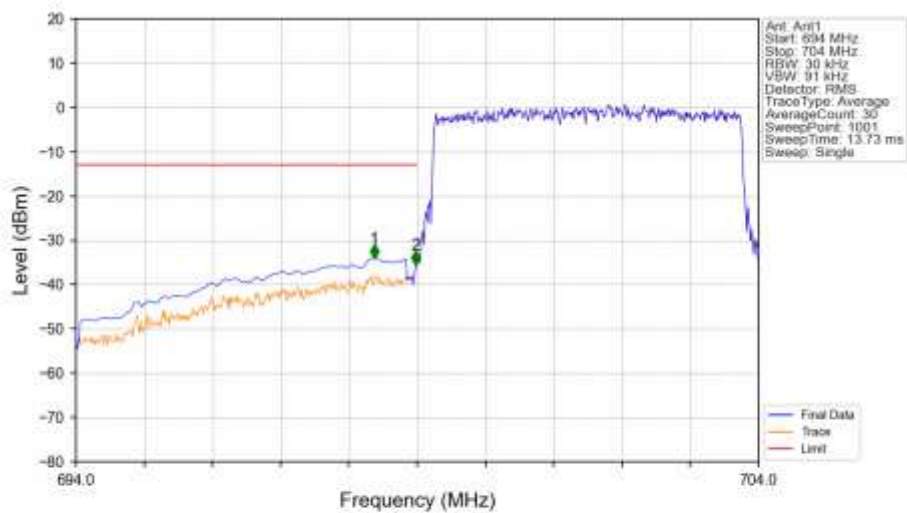
Band12 5MHz 16QAM LCH 701.5MHz RB 1 0 NTNV



Band12 5MHz 16QAM LCH 701.5MHz RB 1 0 NTNV

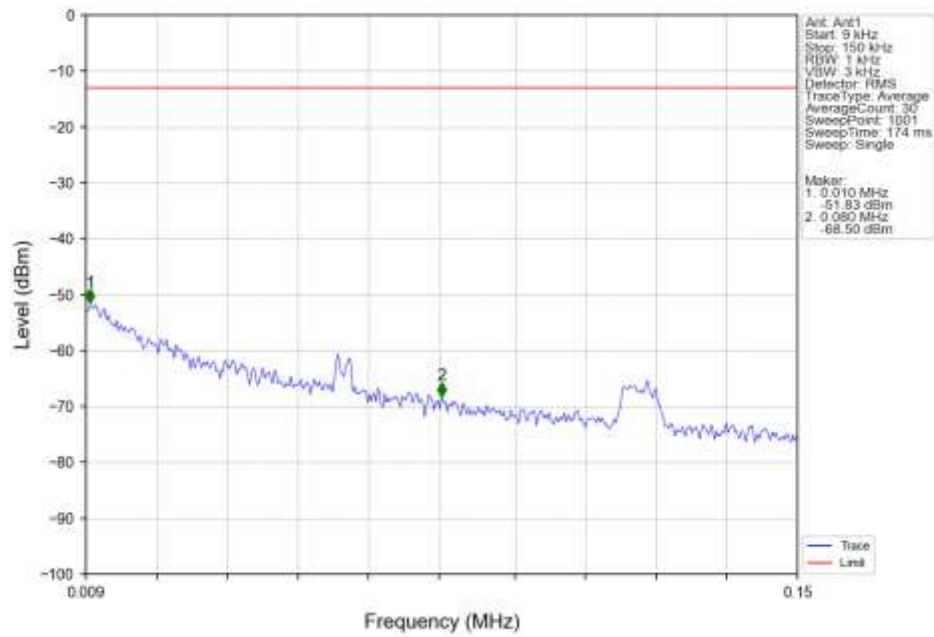


Band12 5MHz 16QAM LCH 701.5MHz RB 25 0 NTNV

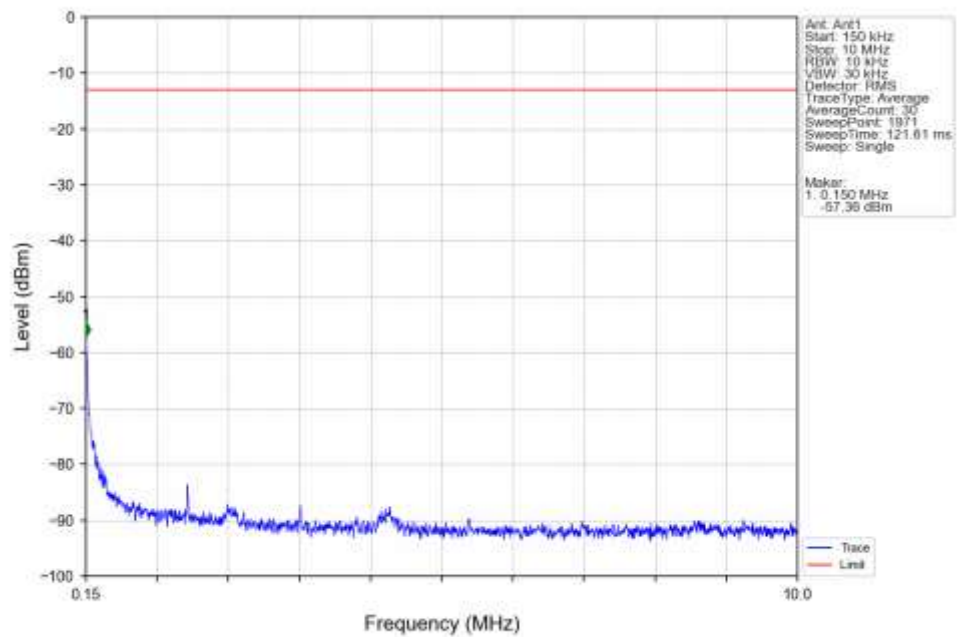


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.370	-34.01	-13	Pass
698.9	699	0.03	/	2	698.980	-35.43	-13	Pass
699	704	0.03	/	/	/	/	/	/

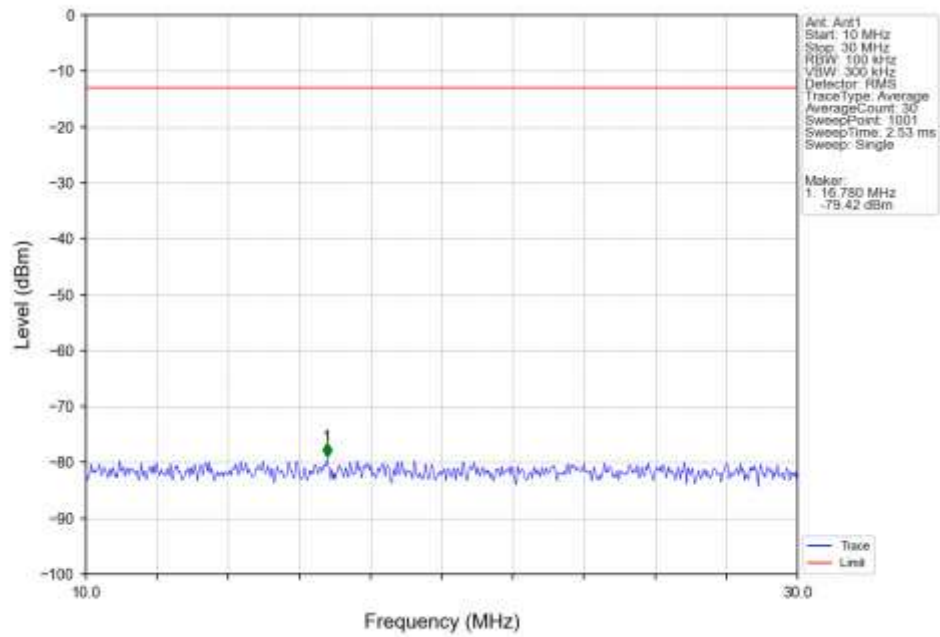
Band12 5MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



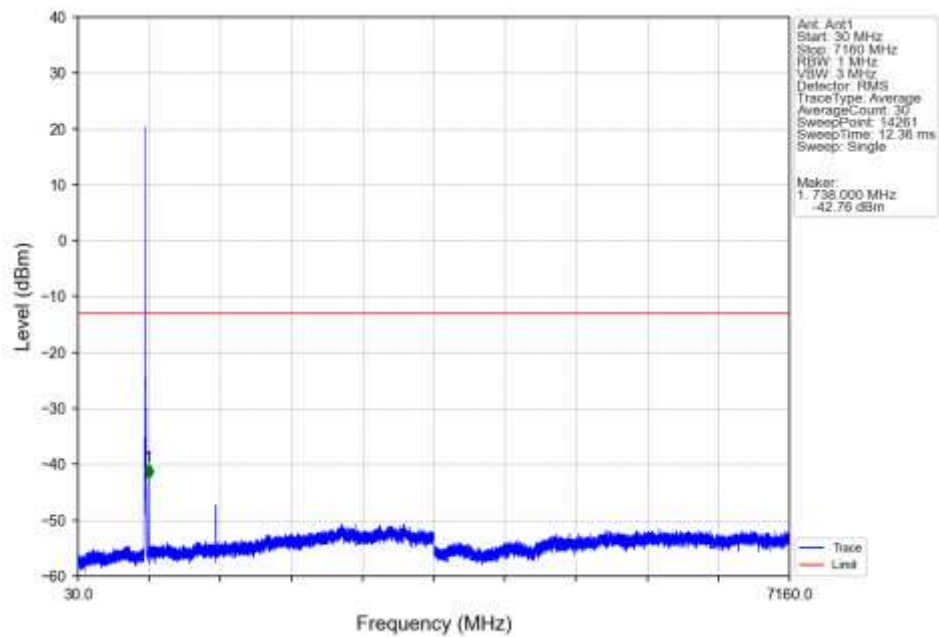
Band12 5MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



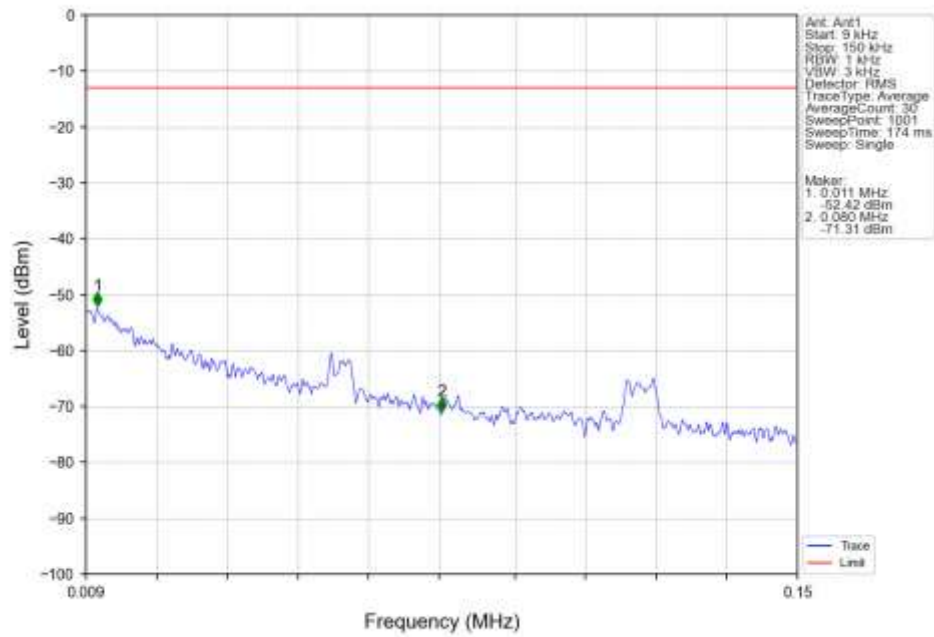
Band12 5MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



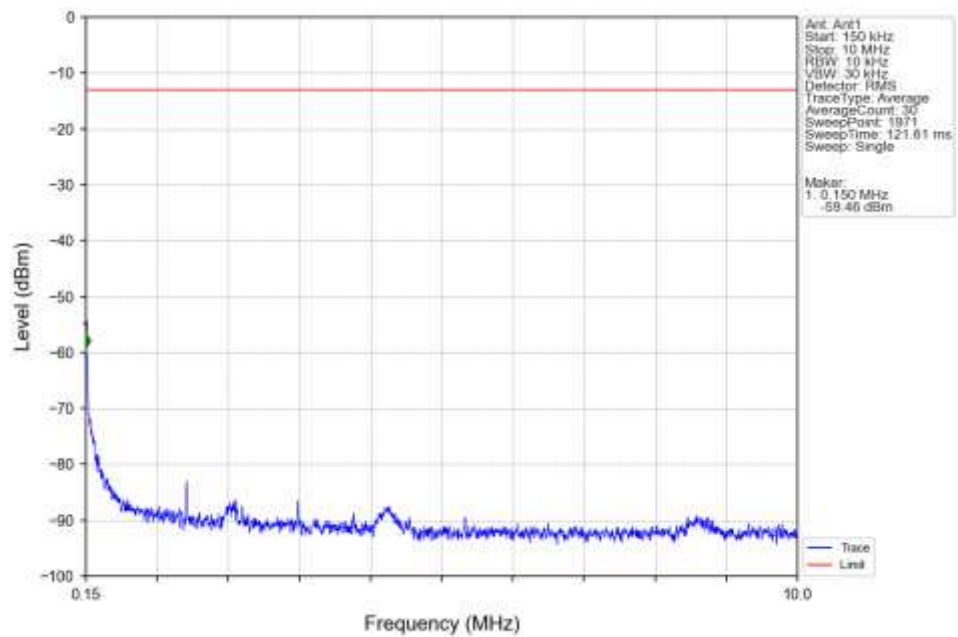
Band12 5MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



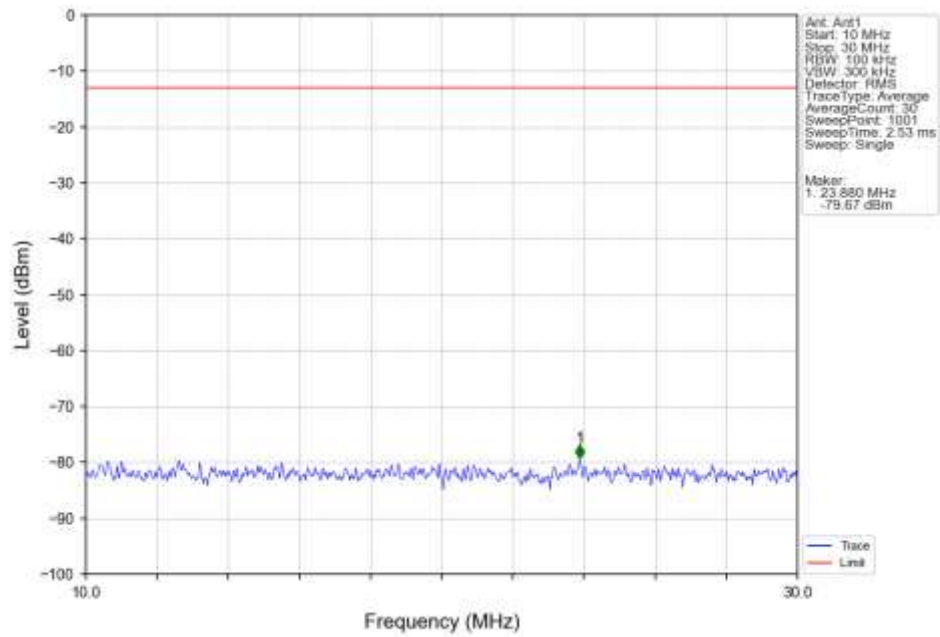
Band12 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



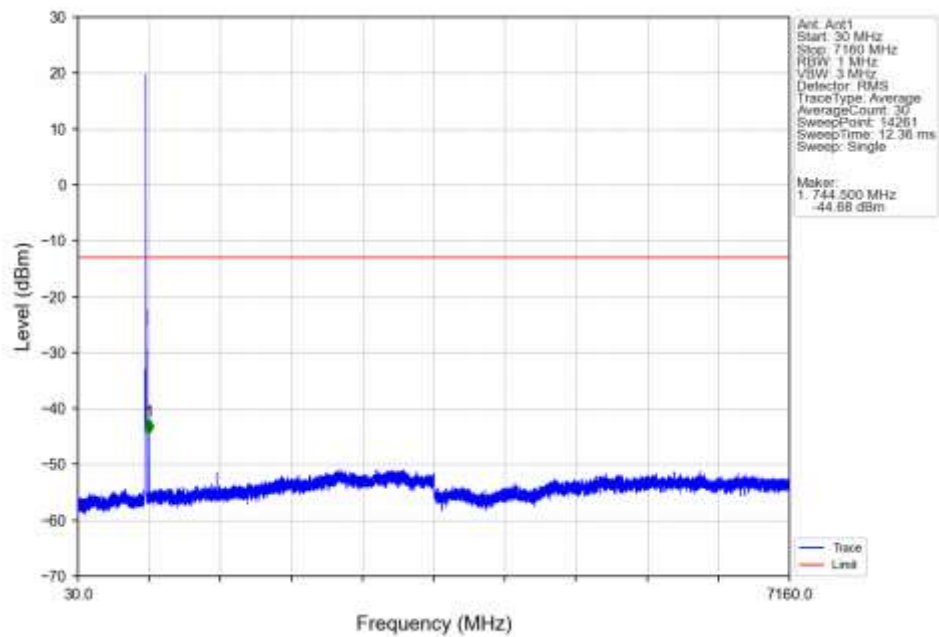
Band12 5MHz 16QAM HCH 713.5MHz RB 1 0 NTV



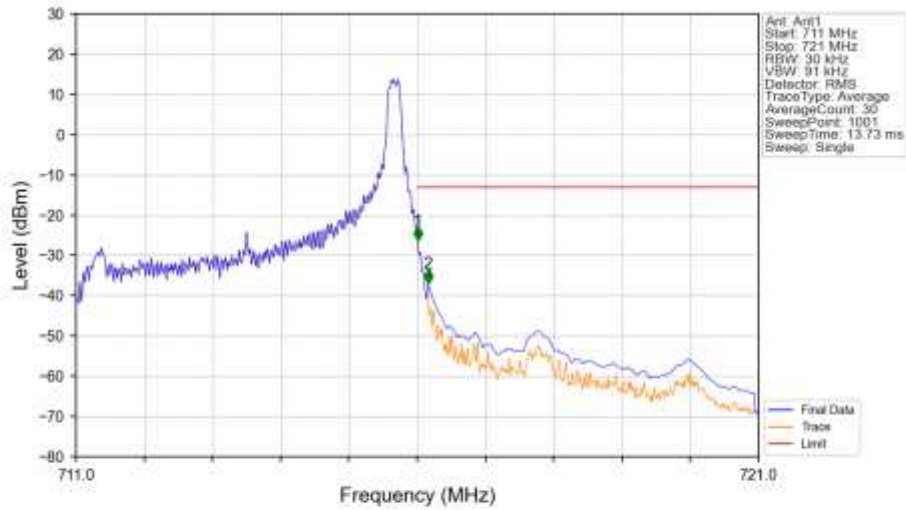
Band12 5MHz 16QAM HCH 713.5MHz RB 1 0 NTNV



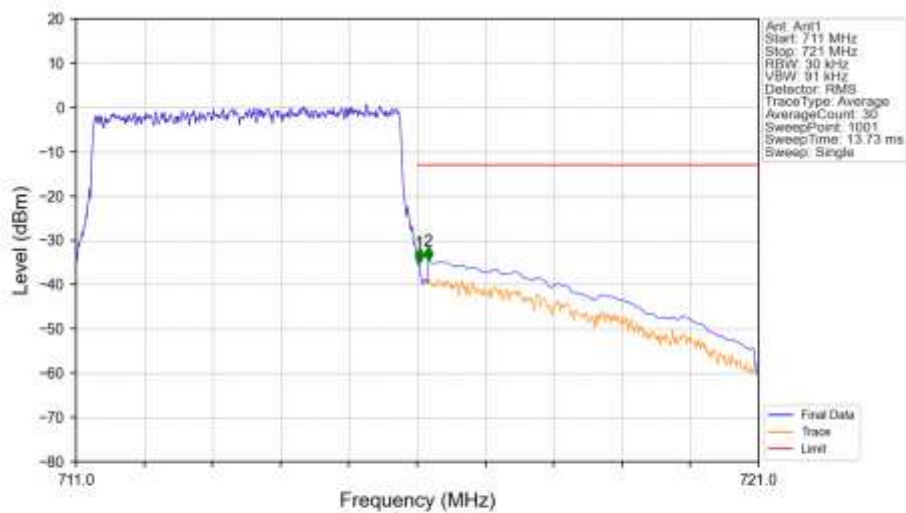
Band12 5MHz 16QAM HCH 713.5MHz RB 1 0 NTNV



Band12 5MHz 16QAM HCH 713.5MHz RB 1 24 NTNV

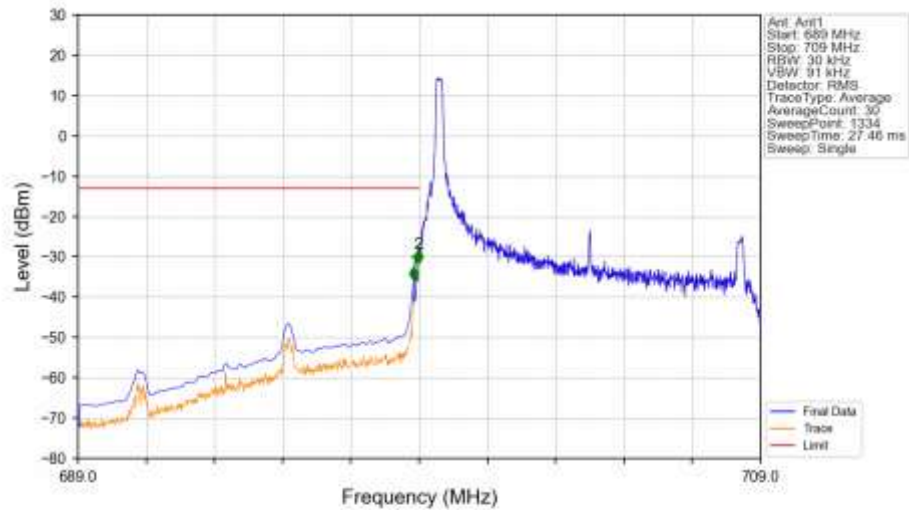


Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV

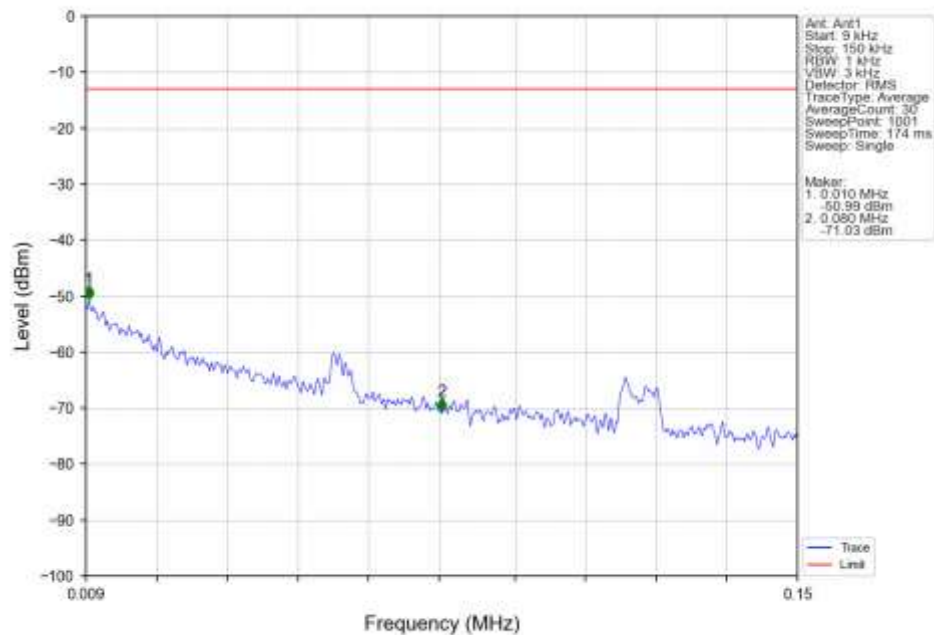


6.2.4 B12_10MHz

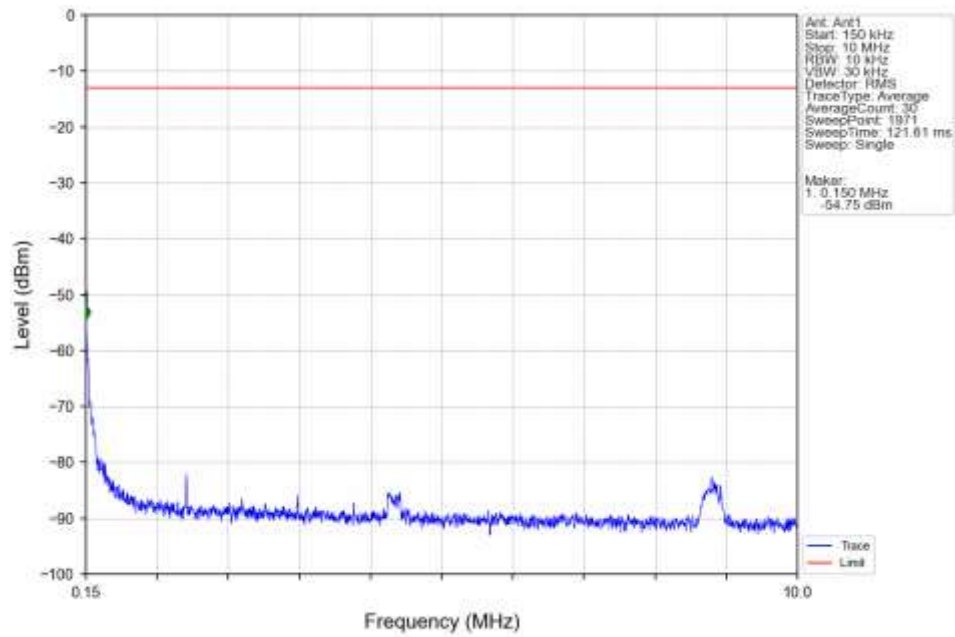
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



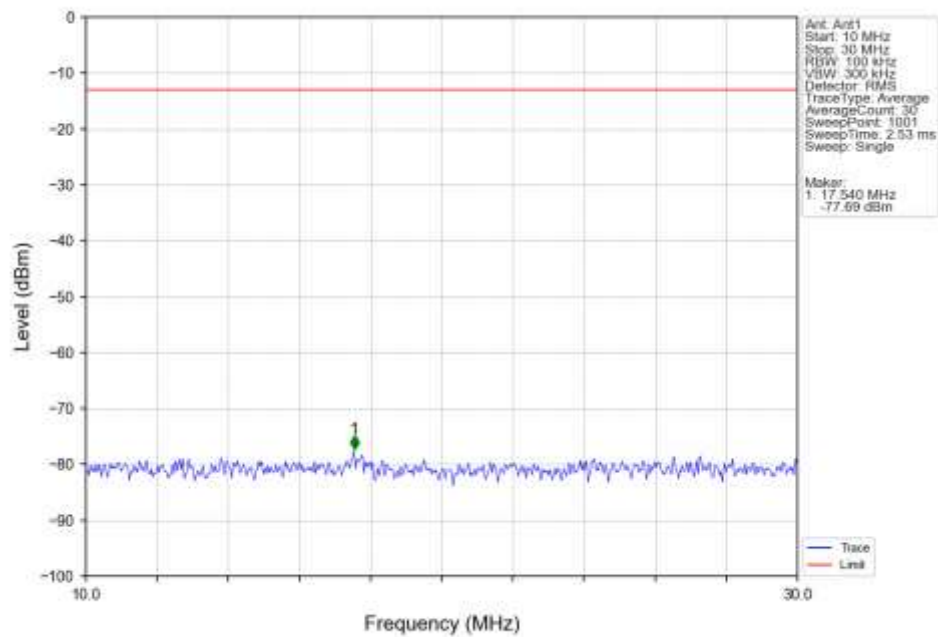
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



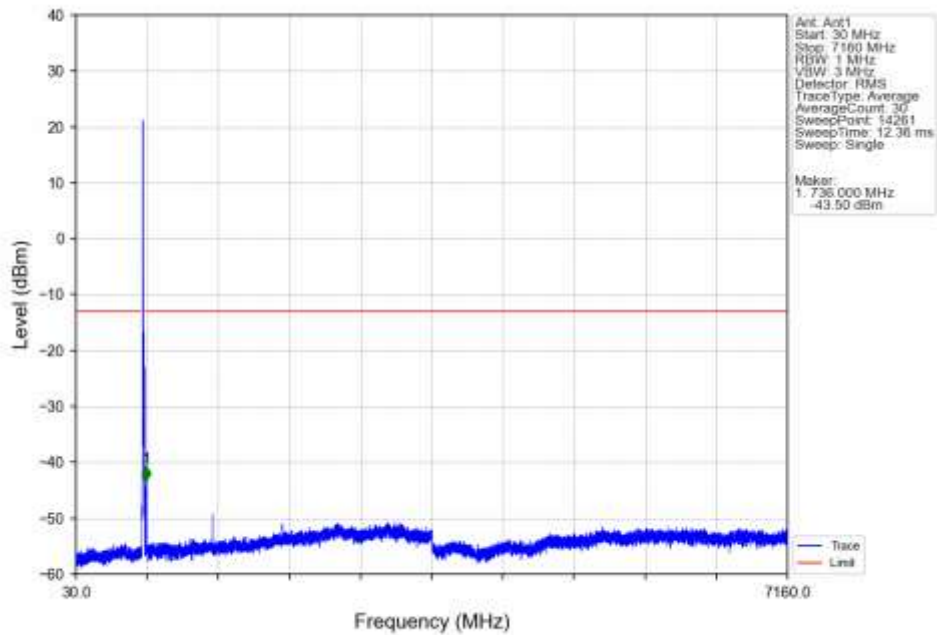
Band12 10MHz QPSK LCH 704MHz RB 1 0 NTN



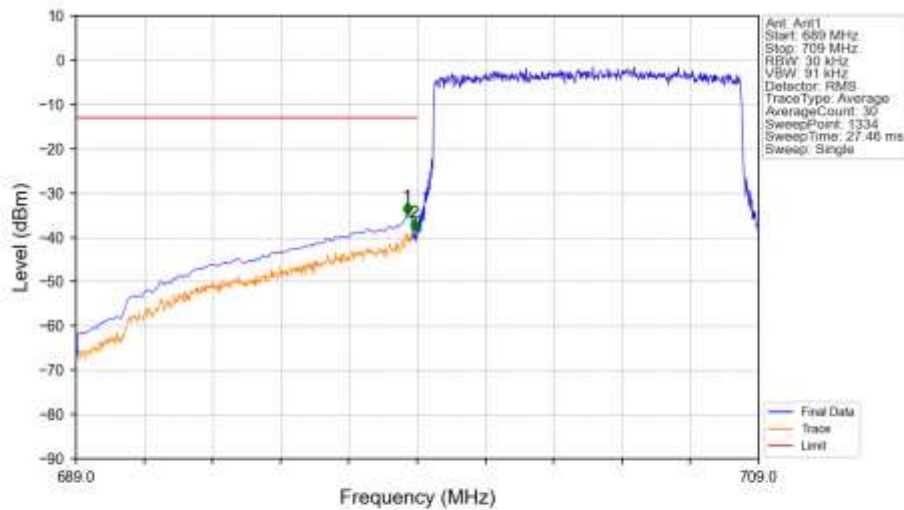
Band12 10MHz QPSK LCH 704MHz RB 1 0 NTN



Band12 10MHz QPSK LCH 704MHz RB 1 0 NTN

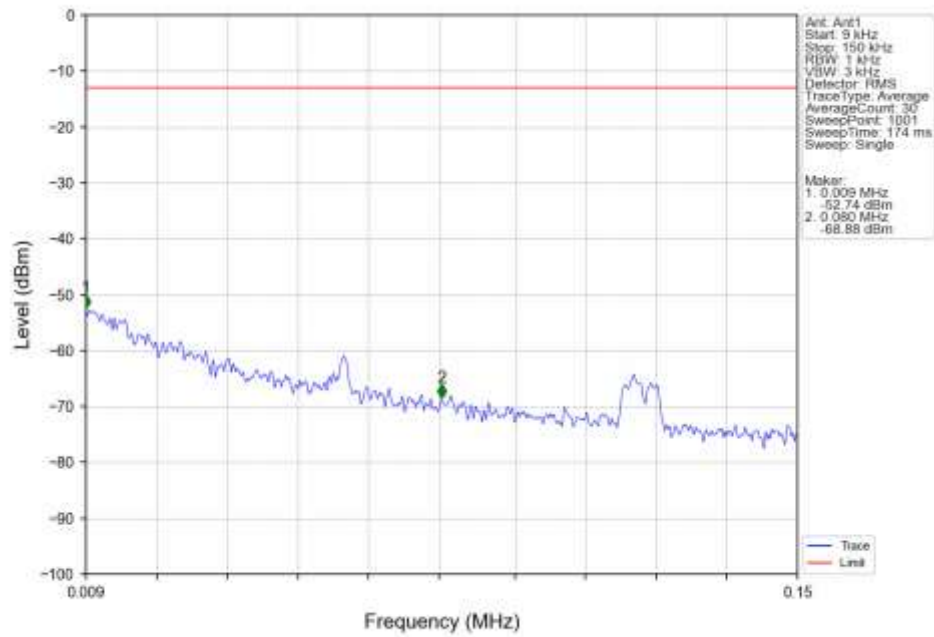


Band12 10MHz QPSK LCH 704MHz RB 50 0 NTN

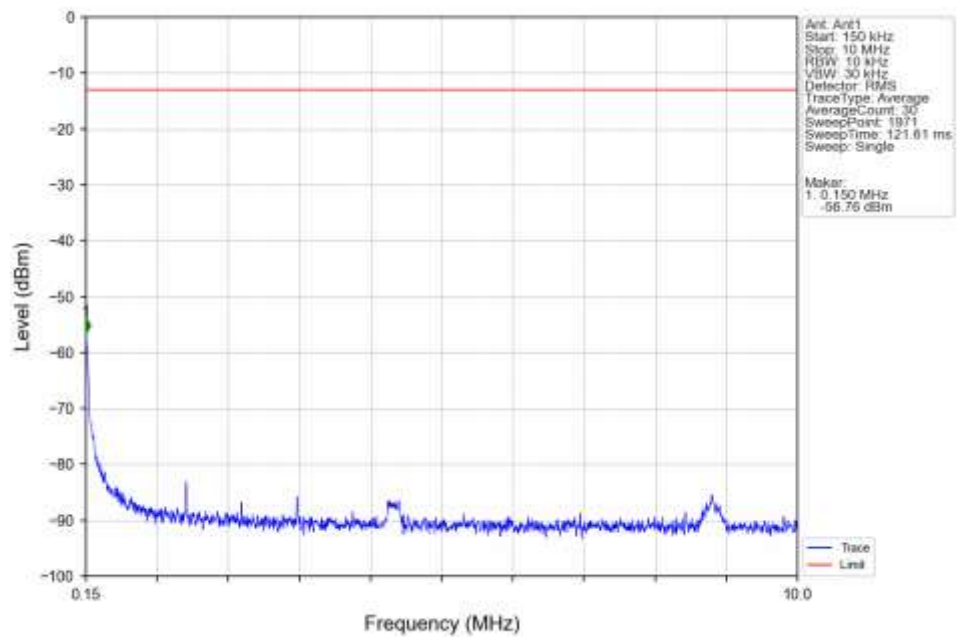


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.707	-35.19	-13	Pass
698.9	699	0.03	/	2	698.917	-38.77	-13	Pass
699	709	0.03	/	/	/	/	/	/

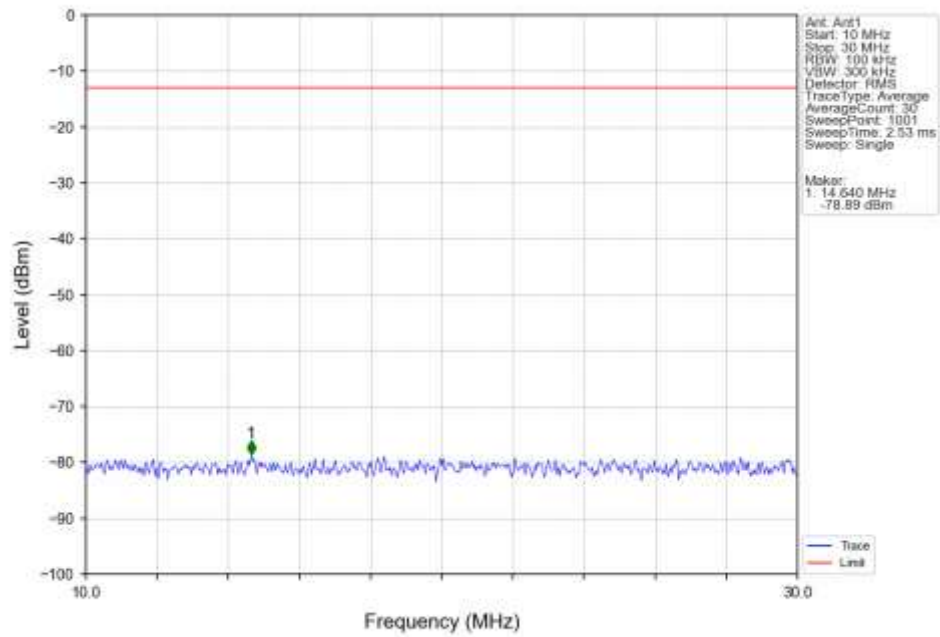
Band12 10MHz QPSK MCH 707.5MHz RB 1 0 NTNV



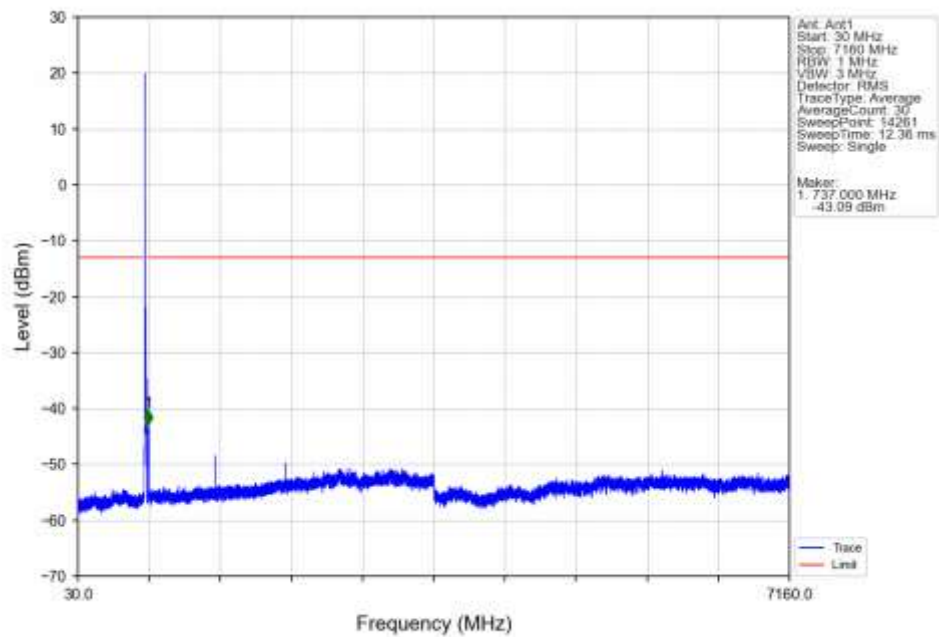
Band12 10MHz QPSK MCH 707.5MHz RB 1 0 NTNV



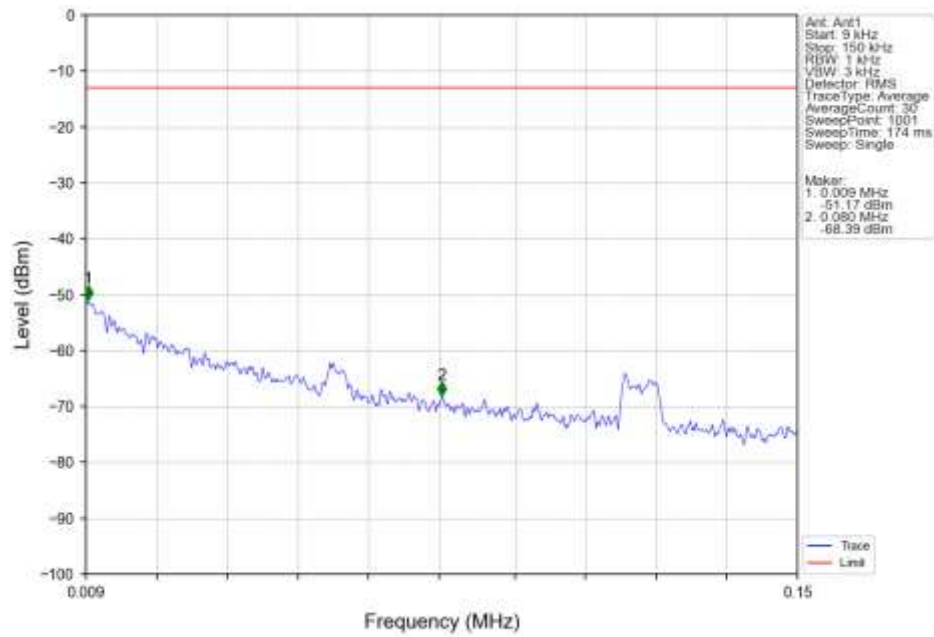
Band12 10MHz QPSK MCH 707.5MHz RB 1 0 NTNV



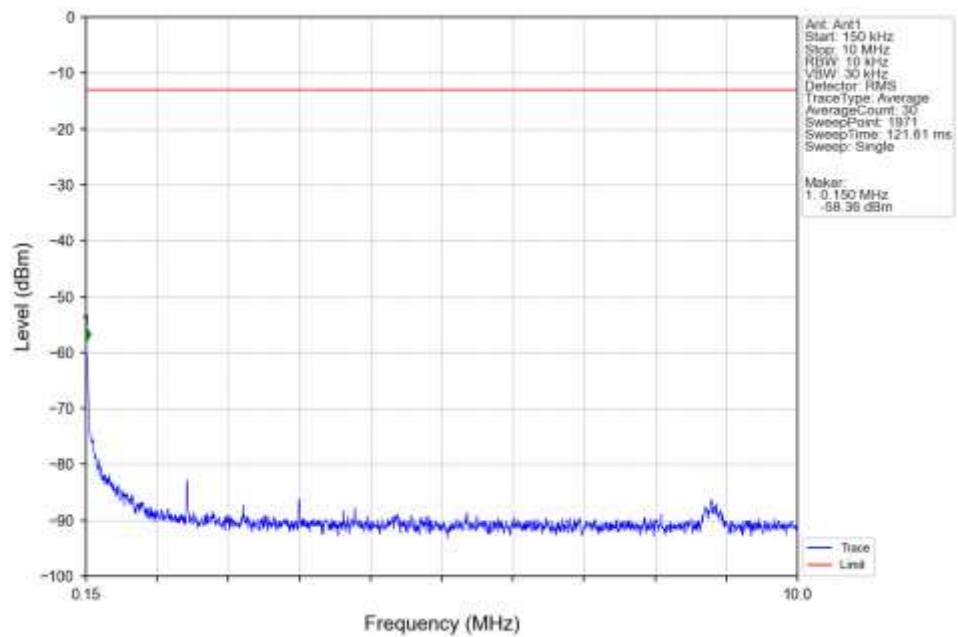
Band12 10MHz QPSK MCH 707.5MHz RB 1 0 NTNV



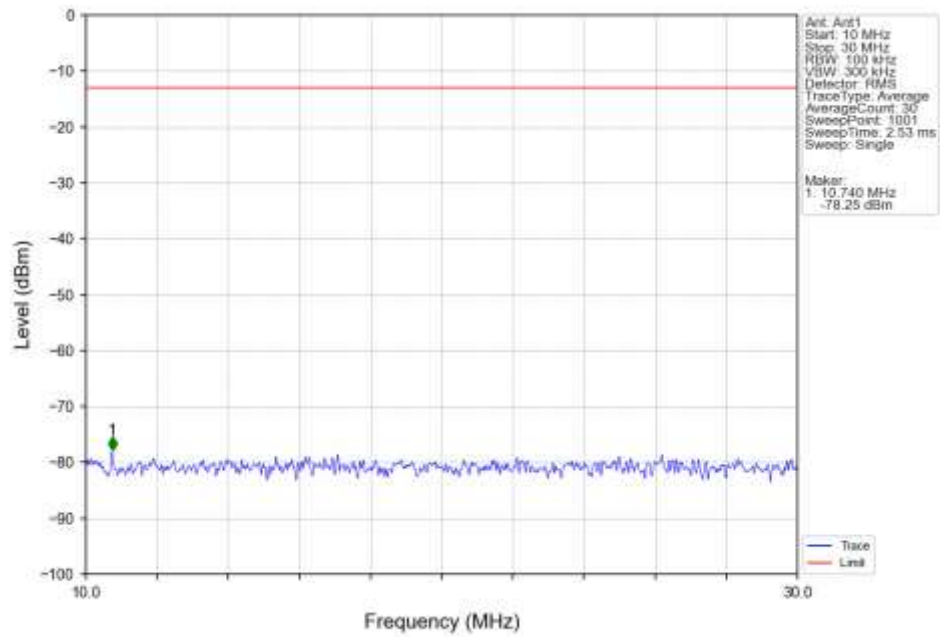
Band12 10MHz QPSK HCH 711MHz RB 1 0 NTN



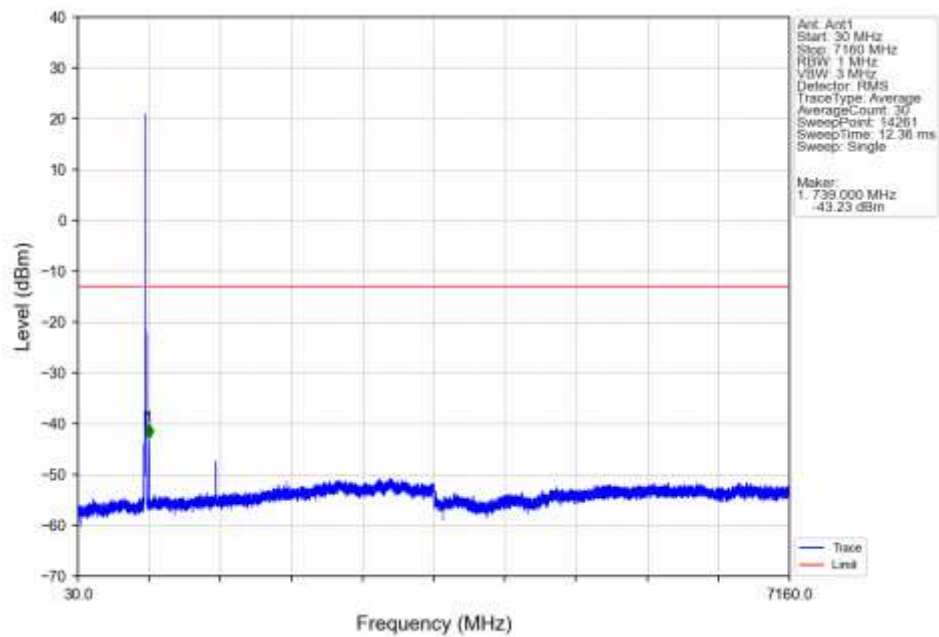
Band12 10MHz QPSK HCH 711MHz RB 1 0 NTN



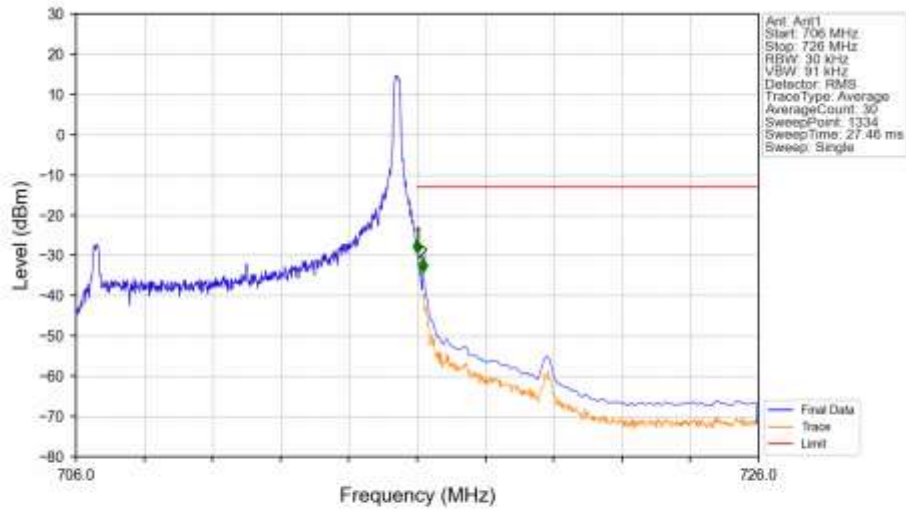
Band12 10MHz QPSK HCH 711MHz RB 1 0 NTNV



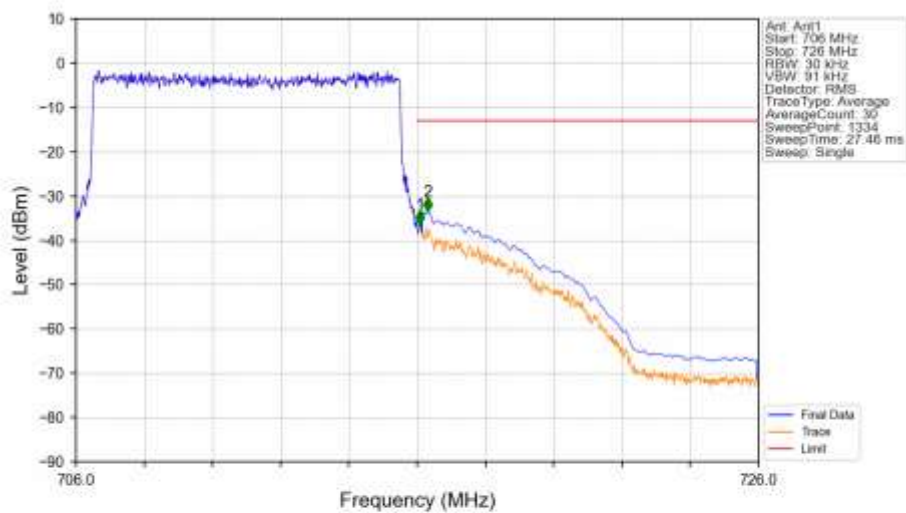
Band12 10MHz QPSK HCH 711MHz RB 1 0 NTNV



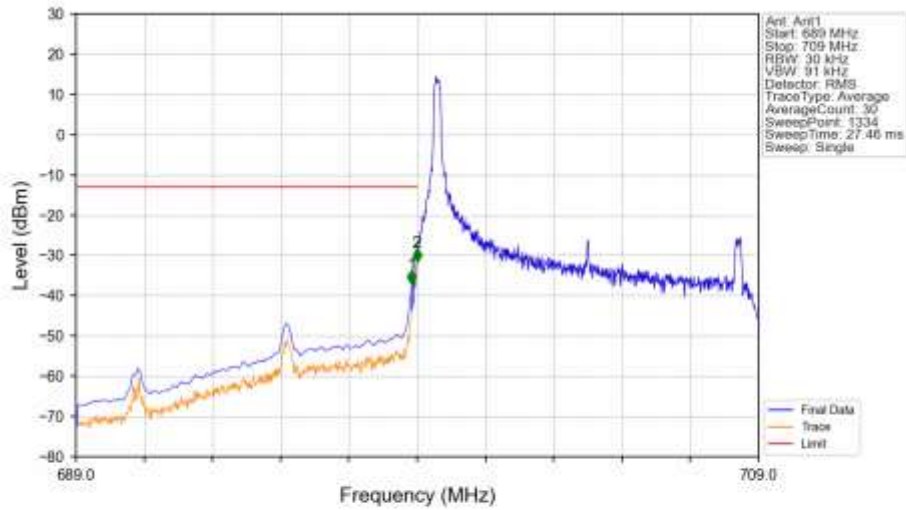
Band12 10MHz QPSK HCH 711MHz RB 1 49 NTNV



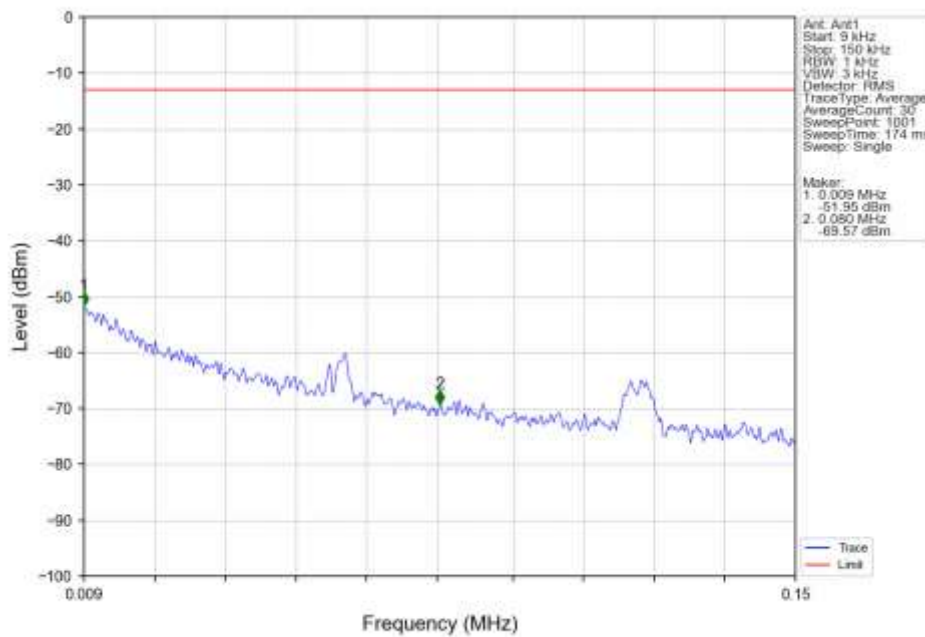
Band12 10MHz QPSK HCH 711MHz RB 50 0 NTNV



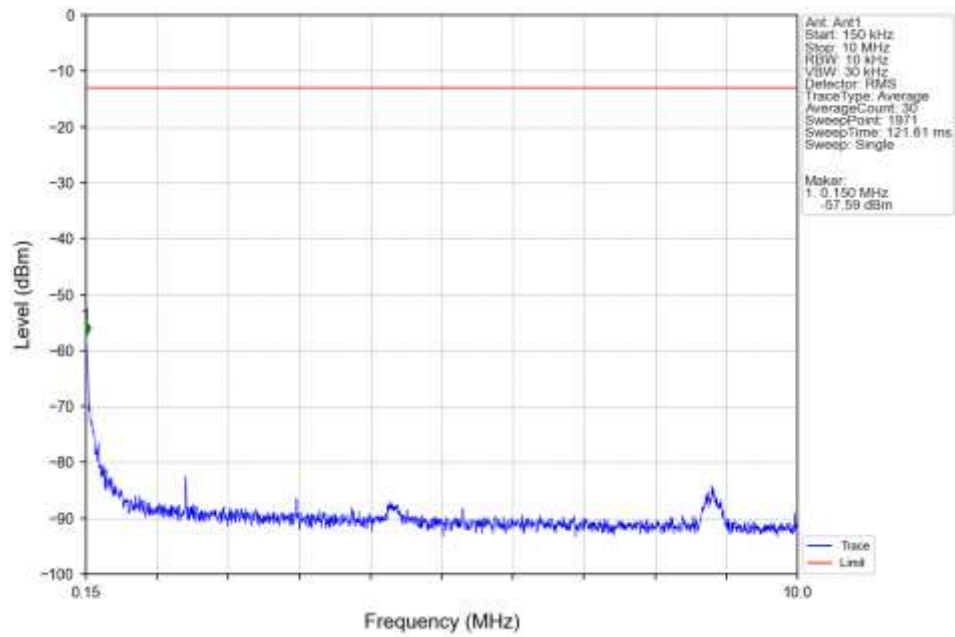
Band12 10MHz 16QAM LCH 704MHz RB 1 0 NTNV



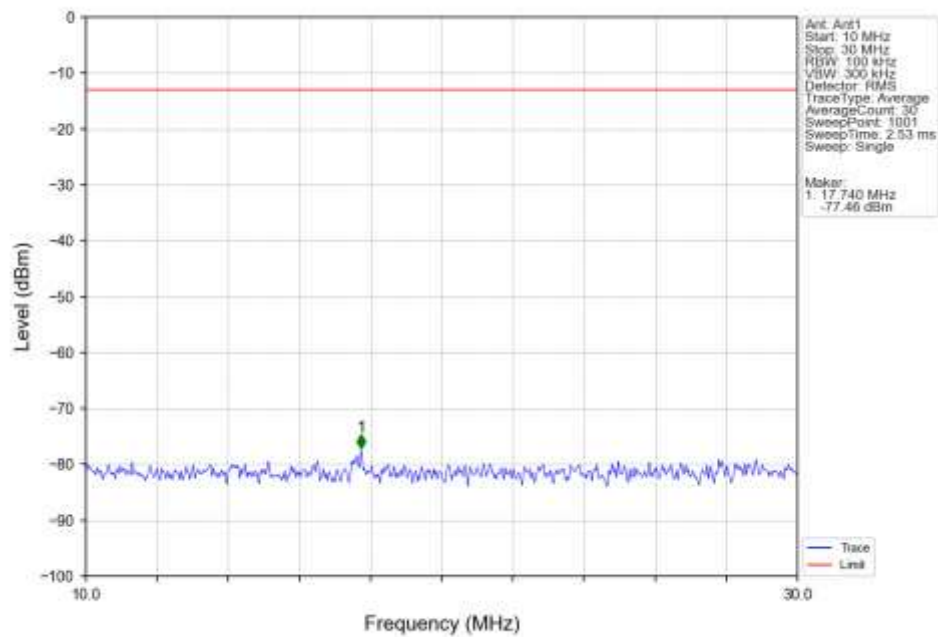
Band12 10MHz 16QAM LCH 704MHz RB 1 0 NTNV



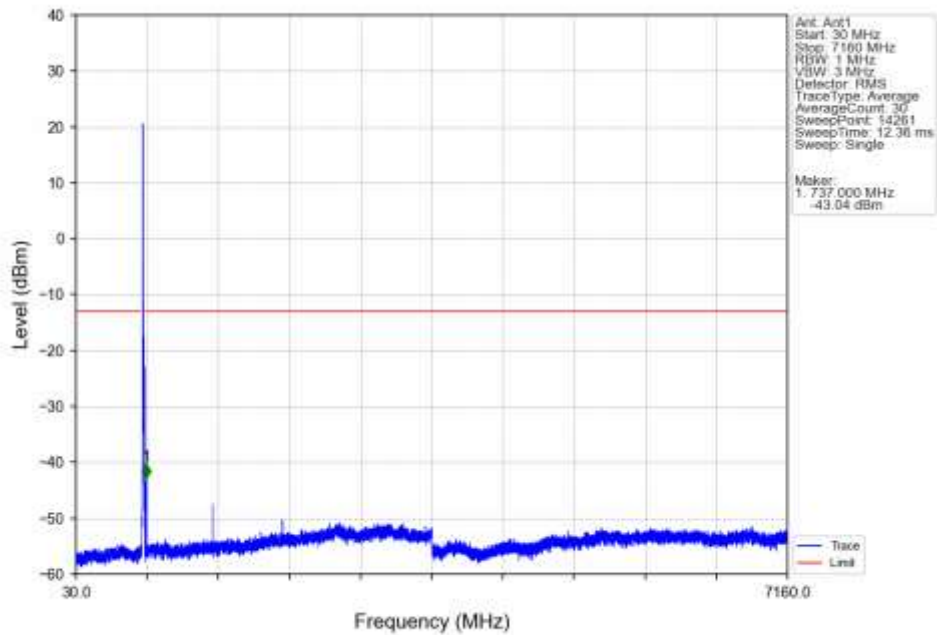
Band12 10MHz 16QAM LCH 704MHz RB 1 0 NTN



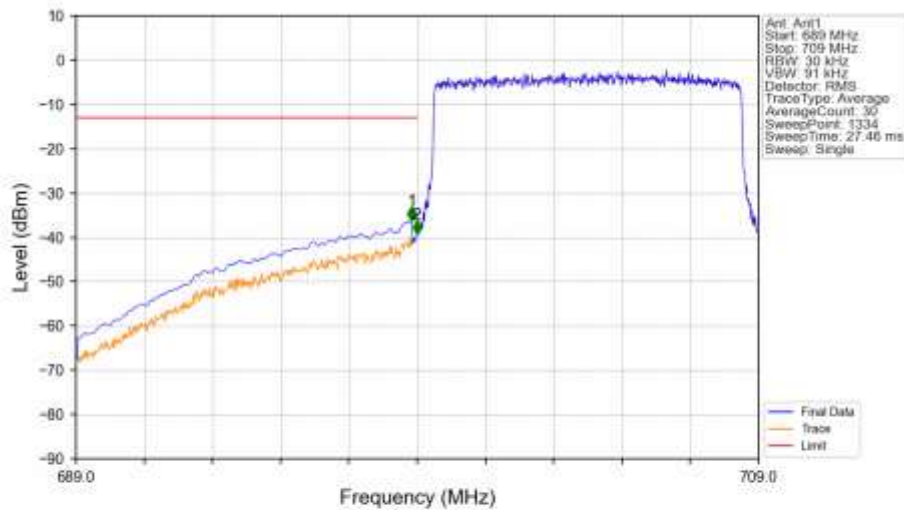
Band12 10MHz 16QAM LCH 704MHz RB 1 0 NTN



Band12 10MHz 16QAM LCH 704MHz RB 1 0 NTNV

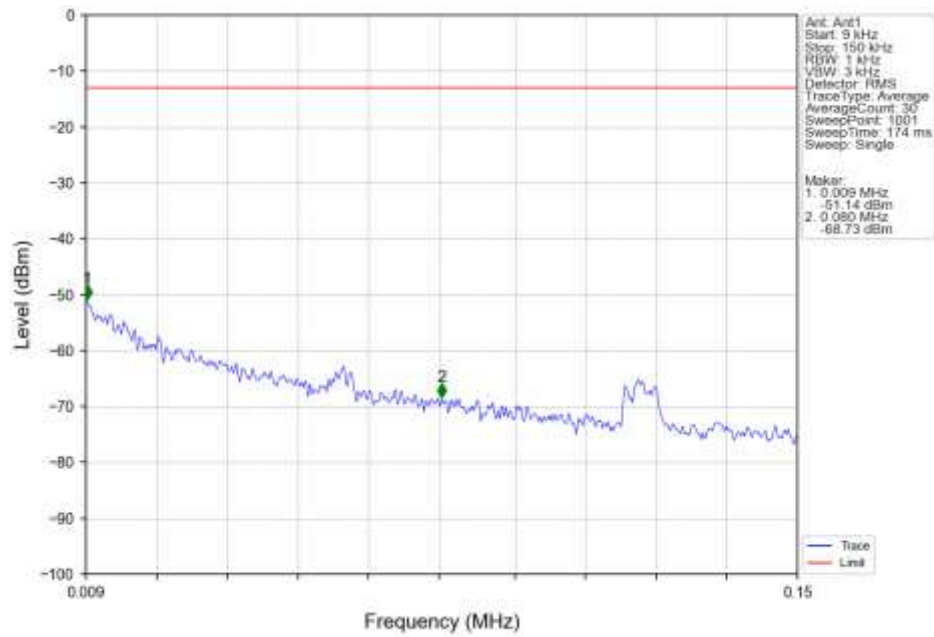


Band12 10MHz 16QAM LCH 704MHz RB 50 0 NTNV

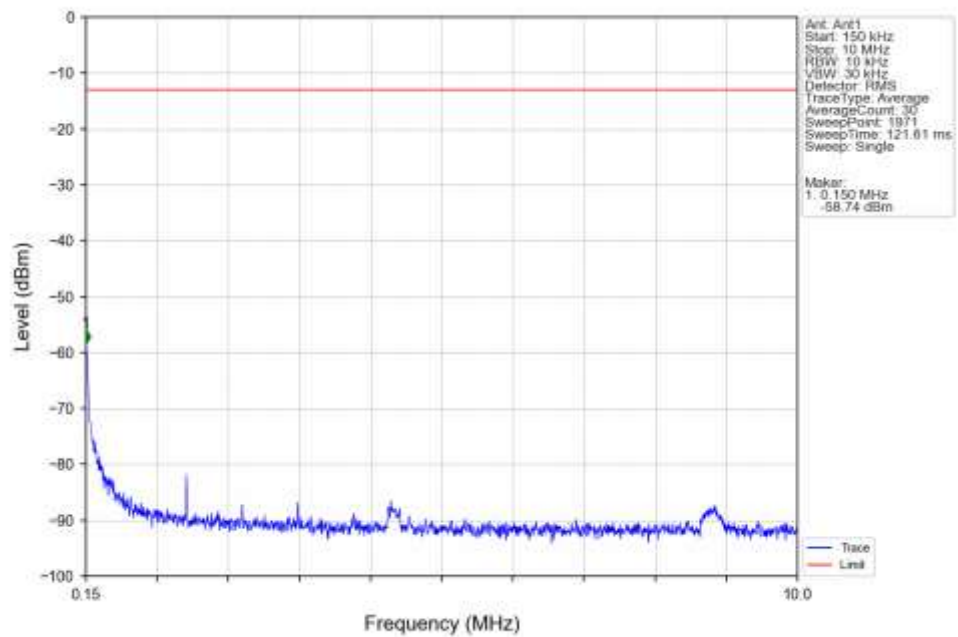


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
689	698.9	0.1	CHP	1	698.842	-36.29	-13	Pass
698.9	699	0.03	/	2	698.992	-39.29	-13	Pass
699	709	0.03	/	/	/	/	/	/

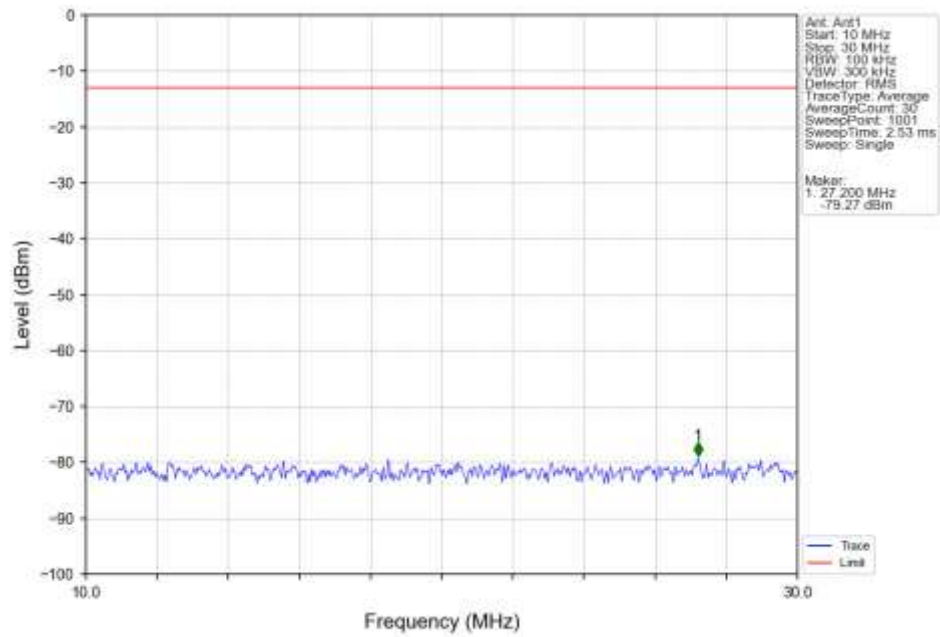
Band12 10MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



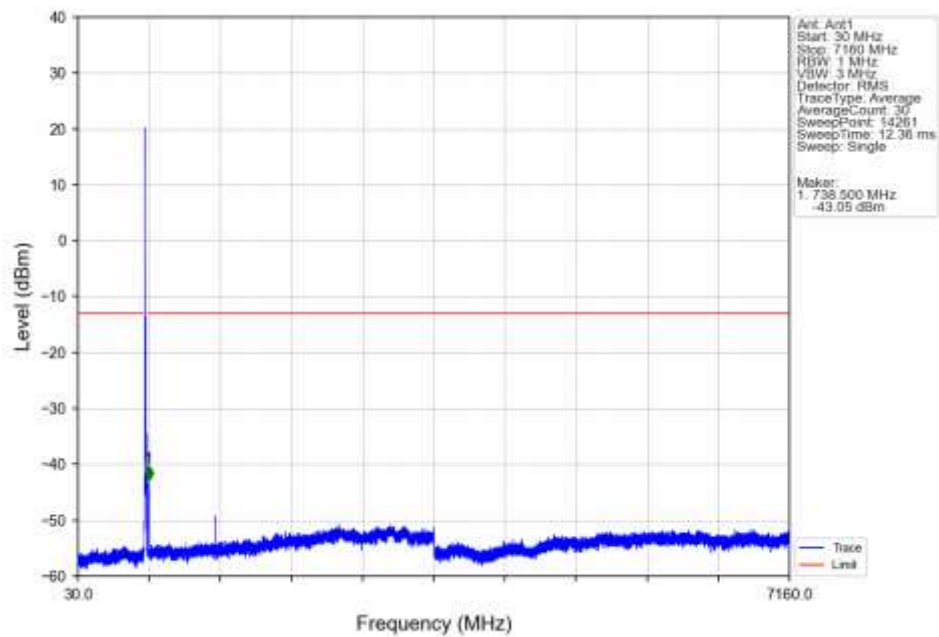
Band12 10MHz 16QAM MCH 707.5MHz RB 1 0 NTNV



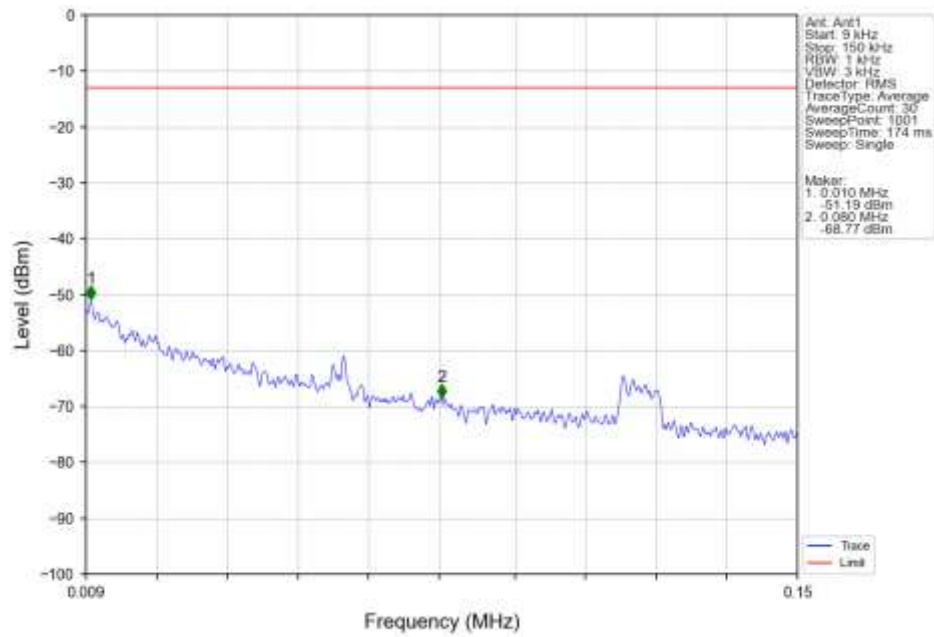
Band12 10MHz 16QAM MCH 707.5MHz RB 1 0 NTV



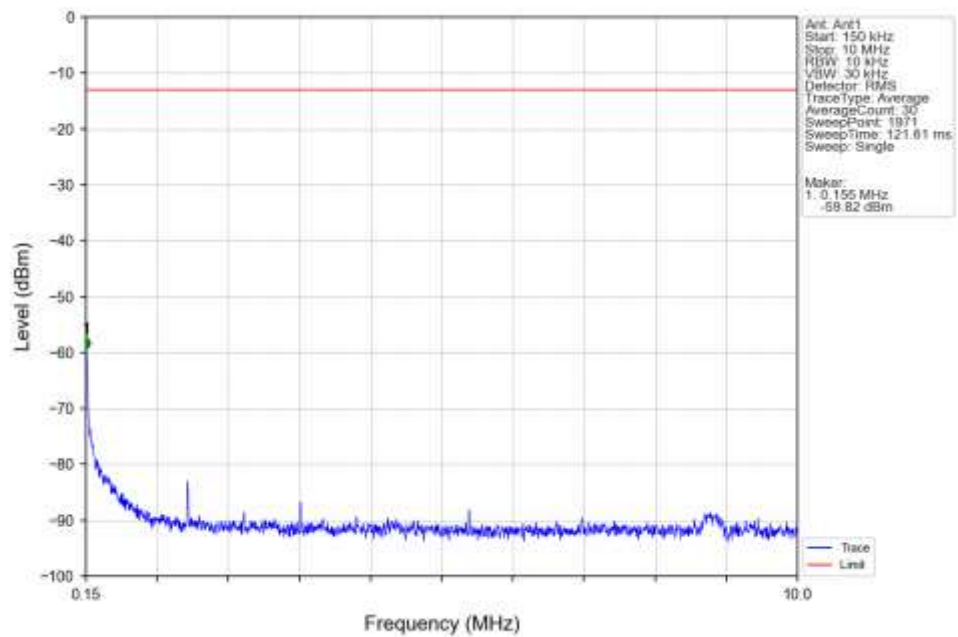
Band12 10MHz 16QAM MCH 707.5MHz RB 1 0 NTV



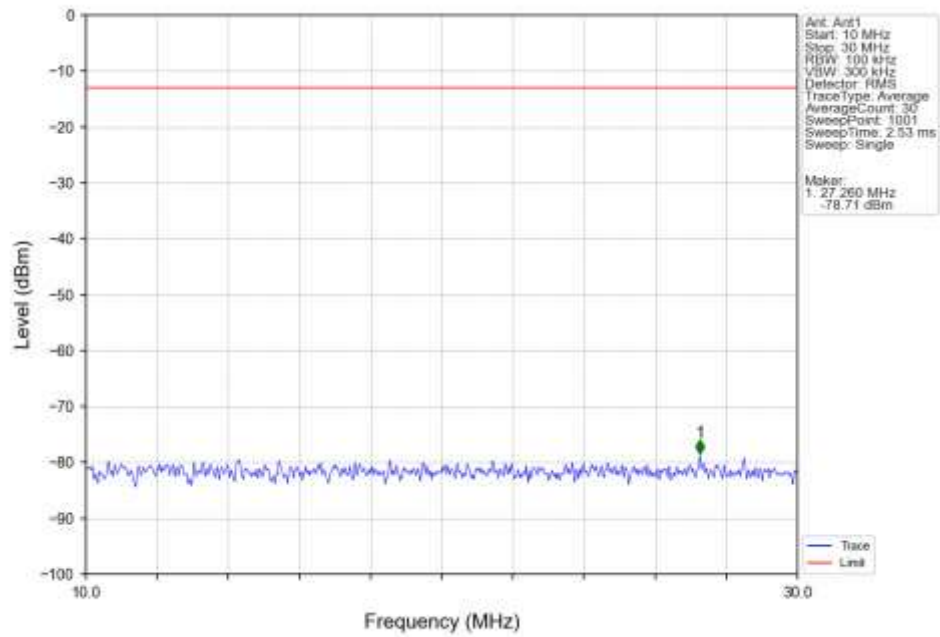
Band12 10MHz 16QAM HCH 711MHz RB 1 0 NTNV



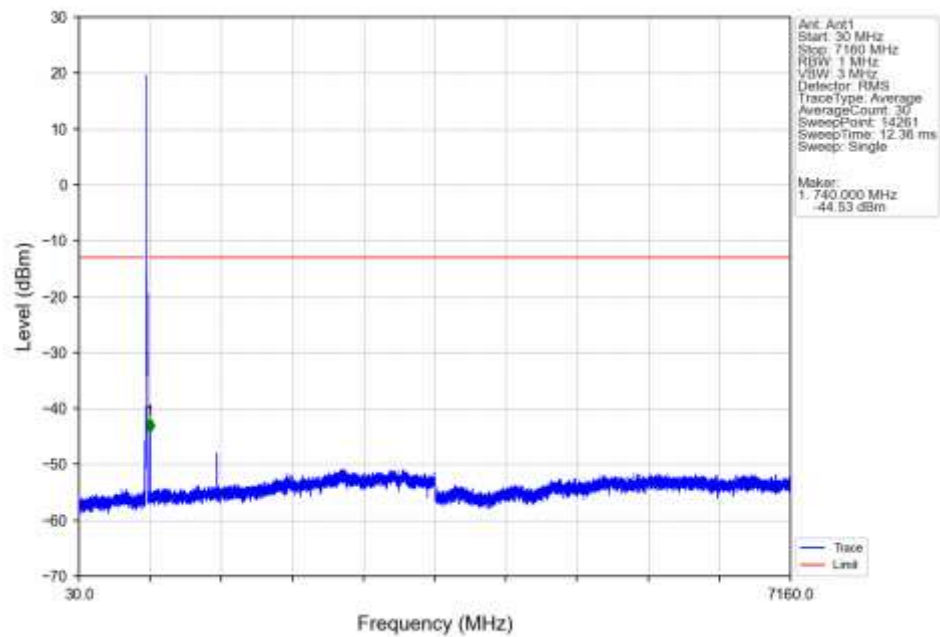
Band12 10MHz 16QAM HCH 711MHz RB 1 0 NTNV



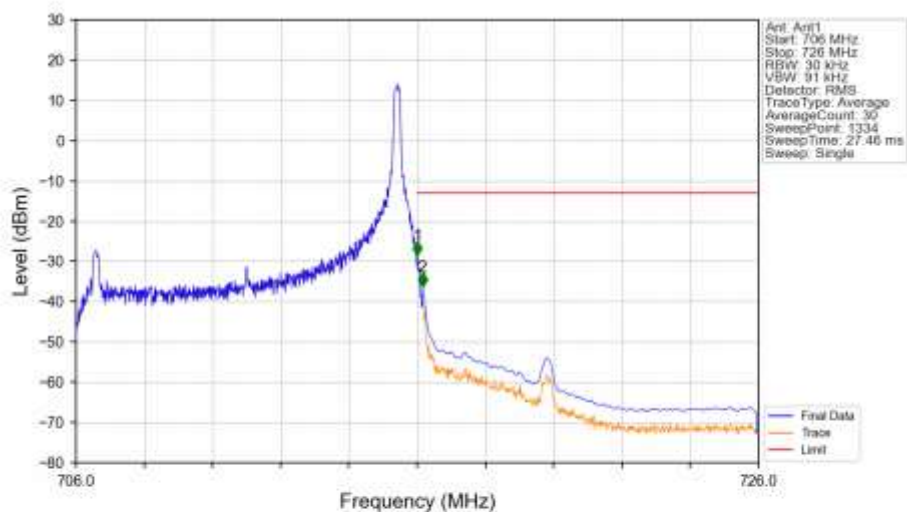
Band12 10MHz 16QAM HCH 711MHz RB 1 0 NTNV



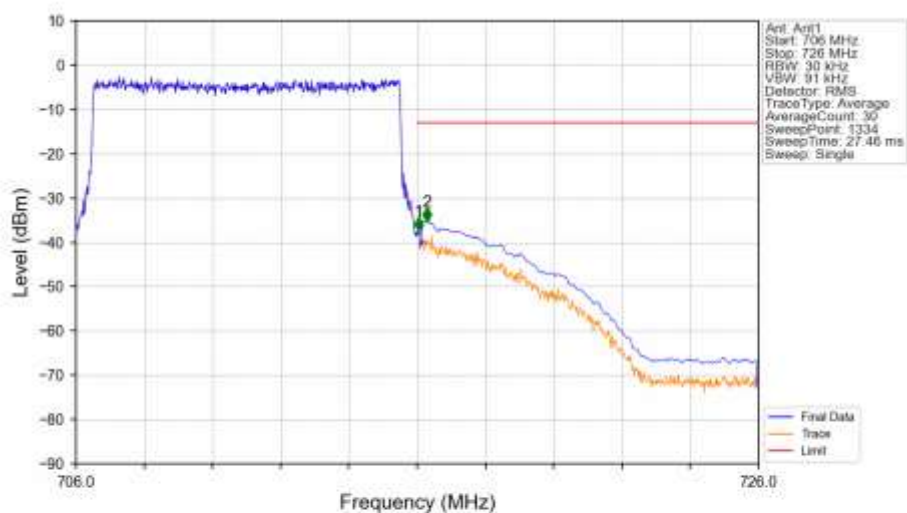
Band12 10MHz 16QAM HCH 711MHz RB 1 0 NTNV



Band12 10MHz 16QAM HCH 711MHz RB 1 49 NTV



Band12 10MHz 16QAM HCH 711MHz RB 50 0 NTV



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	0.1799	0.0021	ppm	1M11G7D	27H	22.55
12	1.4	699.7	715.3	0.1445	0.0015	ppm	1M10W7D	27H	21.60
12	3	700.5	714.5	0.1683	0.0015	ppm	2M72G7D	27H	22.26
12	3	700.5	714.5	0.1300	0.0017	ppm	2M71W7D	27H	21.14
12	5	701.5	713.5	0.1377	0.0013	ppm	4M56G7D	27H	21.39
12	5	701.5	713.5	0.1377	0.0020	ppm	4M59W7D	27H	21.39
12	10	704	711	0.1738	0.0020	ppm	9M13G7D	27H	22.40
12	10	704	711	0.1493	0.0018	ppm	9M09W7D	27H	21.74

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	0.1005	0.0021	ppm	1M11G7D	27H	20.02
12	1.4	699.7	715.3	0.0807	0.0015	ppm	1M10W7D	27H	19.07
12	3	700.5	714.5	0.0940	0.0015	ppm	2M72G7D	27H	19.73
12	3	700.5	714.5	0.0726	0.0017	ppm	2M71W7D	27H	18.61
12	5	701.5	713.5	0.0769	0.0013	ppm	4M56G7D	27H	18.86
12	5	701.5	713.5	0.0769	0.0020	ppm	4M59W7D	27H	18.86
12	10	704	711	0.0971	0.0020	ppm	9M13G7D	27H	19.87
12	10	704	711	0.0834	0.0018	ppm	9M09W7D	27H	19.21