

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	20.86	0.00	18.71	<=34.77	Pass
			2	20.83	0.00	18.68	<=34.77	Pass
			5	20.71	0.00	18.56	<=34.77	Pass
		3	0	20.71	0.00	18.56	<=34.77	Pass
			2	20.73	0.00	18.58	<=34.77	Pass
			3	20.76	0.00	18.61	<=34.77	Pass
		6	0	20.67	0.00	18.52	<=34.77	Pass
	707.5	1	0	20.94	0.00	18.79	<=34.77	Pass
			2	20.90	0.00	18.75	<=34.77	Pass
			5	20.86	0.00	18.71	<=34.77	Pass
		3	0	20.95	0.00	18.80	<=34.77	Pass
			2	20.90	0.00	18.75	<=34.77	Pass
			3	20.87	0.00	18.72	<=34.77	Pass
		6	0	20.84	0.00	18.69	<=34.77	Pass
	715.3	1	0	20.18	0.00	18.03	<=34.77	Pass
			2	20.23	0.00	18.08	<=34.77	Pass
			5	20.19	0.00	18.04	<=34.77	Pass
		3	0	20.15	0.00	18.00	<=34.77	Pass
			2	20.22	0.00	18.07	<=34.77	Pass
			3	20.19	0.00	18.04	<=34.77	Pass
		6	0	20.15	0.00	18.00	<=34.77	Pass
16QAM	699.7	1	0	20.69	0.00	18.54	<=34.77	Pass
			2	20.74	0.00	18.59	<=34.77	Pass
			5	20.66	0.00	18.51	<=34.77	Pass
		3	0	20.72	0.00	18.57	<=34.77	Pass
			2	20.66	0.00	18.51	<=34.77	Pass
			3	20.72	0.00	18.57	<=34.77	Pass
		6	0	20.66	0.00	18.51	<=34.77	Pass
	707.5	1	0	20.91	0.00	18.76	<=34.77	Pass
			2	20.88	0.00	18.73	<=34.77	Pass
			5	20.85	0.00	18.70	<=34.77	Pass
		3	0	20.83	0.00	18.68	<=34.77	Pass
			2	20.80	0.00	18.65	<=34.77	Pass
			3	20.78	0.00	18.63	<=34.77	Pass
		6	0	20.76	0.00	18.61	<=34.77	Pass
	715.3	1	0	20.13	0.00	17.98	<=34.77	Pass
			2	20.10	0.00	17.95	<=34.77	Pass
			5	20.08	0.00	17.93	<=34.77	Pass
		3	0	20.06	0.00	17.91	<=34.77	Pass
2			20.03	0.00	17.88	<=34.77	Pass	
3			20.01	0.00	17.86	<=34.77	Pass	
6		0	20.00	0.00	17.85	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

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	21.46	0.00	19.31	<=34.77	Pass
			7	21.79	0.00	19.64	<=34.77	Pass
			14	21.81	0.00	19.66	<=34.77	Pass
		8	0	20.56	0.00	18.41	<=34.77	Pass
			4	20.68	0.00	18.53	<=34.77	Pass
			7	20.71	0.00	18.56	<=34.77	Pass
		15	0	20.62	0.00	18.47	<=34.77	Pass
	707.5	1	0	21.90	0.00	19.75	<=34.77	Pass
			7	21.69	0.00	19.54	<=34.77	Pass
			14	21.09	0.00	18.94	<=34.77	Pass
		8	0	20.85	0.00	18.70	<=34.77	Pass
			4	20.66	0.00	18.51	<=34.77	Pass
			7	20.44	0.00	18.29	<=34.77	Pass
		15	0	20.68	0.00	18.53	<=34.77	Pass
	714.5	1	0	21.40	0.00	19.25	<=34.77	Pass
			7	21.58	0.00	19.43	<=34.77	Pass
			14	20.30	0.00	18.15	<=34.77	Pass
		8	0	20.60	0.00	18.45	<=34.77	Pass
			4	20.50	0.00	18.35	<=34.77	Pass
			7	20.07	0.00	17.92	<=34.77	Pass
		15	0	20.31	0.00	18.16	<=34.77	Pass
16QAM	700.5	1	0	20.68	0.00	18.53	<=34.77	Pass
			7	20.94	0.00	18.79	<=34.77	Pass
			14	21.10	0.00	18.95	<=34.77	Pass
		8	0	19.59	0.00	17.44	<=34.77	Pass
			4	19.73	0.00	17.58	<=34.77	Pass
			7	19.77	0.00	17.62	<=34.77	Pass
		15	0	19.60	0.00	17.45	<=34.77	Pass
	707.5	1	0	20.77	0.00	18.62	<=34.77	Pass
			7	20.57	0.00	18.42	<=34.77	Pass
			14	19.98	0.00	17.83	<=34.77	Pass
		8	0	19.92	0.00	17.77	<=34.77	Pass
			4	19.74	0.00	17.59	<=34.77	Pass
			7	19.52	0.00	17.37	<=34.77	Pass
		15	0	19.75	0.00	17.60	<=34.77	Pass
	714.5	1	0	20.39	0.00	18.24	<=34.77	Pass
			7	20.52	0.00	18.37	<=34.77	Pass
			14	19.24	0.00	17.09	<=34.77	Pass
		8	0	19.56	0.00	17.41	<=34.77	Pass
			4	19.48	0.00	17.33	<=34.77	Pass
			7	19.11	0.00	16.96	<=34.77	Pass
		15	0	19.28	0.00	17.13	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	21.29	0.00	19.14	<=34.77	Pass
			13	21.85	0.00	19.70	<=34.77	Pass
			24	21.79	0.00	19.64	<=34.77	Pass
		12	0	20.45	0.00	18.30	<=34.77	Pass
			6	20.85	0.00	18.70	<=34.77	Pass
			13	20.96	0.00	18.81	<=34.77	Pass

16QAM	707.5	25	0	20.77	0.00	18.62	<=34.77	Pass
		1	0	21.87	0.00	19.72	<=34.77	Pass
			13	21.57	0.00	19.42	<=34.77	Pass
			24	20.73	0.00	18.58	<=34.77	Pass
		12	0	20.84	0.00	18.69	<=34.77	Pass
			6	20.65	0.00	18.50	<=34.77	Pass
			13	20.20	0.00	18.05	<=34.77	Pass
		25	0	20.53	0.00	18.38	<=34.77	Pass
	713.5	1	0	20.76	0.00	18.61	<=34.77	Pass
			13	21.56	0.00	19.41	<=34.77	Pass
			24	20.08	0.00	17.93	<=34.77	Pass
		12	0	20.17	0.00	18.02	<=34.77	Pass
			6	20.52	0.00	18.37	<=34.77	Pass
			13	20.18	0.00	18.03	<=34.77	Pass
		25	0	20.30	0.00	18.15	<=34.77	Pass
	701.5	1	0	20.38	0.00	18.23	<=34.77	Pass
			13	21.03	0.00	18.88	<=34.77	Pass
			24	21.00	0.00	18.85	<=34.77	Pass
		12	0	19.52	0.00	17.37	<=34.77	Pass
			6	19.85	0.00	17.70	<=34.77	Pass
			13	20.05	0.00	17.90	<=34.77	Pass
		25	0	19.88	0.00	17.73	<=34.77	Pass
	707.5	1	0	21.05	0.00	18.90	<=34.77	Pass
			13	20.77	0.00	18.62	<=34.77	Pass
			24	19.96	0.00	17.81	<=34.77	Pass
		12	0	19.88	0.00	17.73	<=34.77	Pass
			6	19.71	0.00	17.56	<=34.77	Pass
			13	19.26	0.00	17.11	<=34.77	Pass
		25	0	19.67	0.00	17.52	<=34.77	Pass
	713.5	1	0	19.90	0.00	17.75	<=34.77	Pass
			13	20.74	0.00	18.59	<=34.77	Pass
			24	19.29	0.00	17.14	<=34.77	Pass
		12	0	19.29	0.00	17.14	<=34.77	Pass
			6	19.64	0.00	17.49	<=34.77	Pass
			13	19.35	0.00	17.20	<=34.77	Pass
		25	0	19.36	0.00	17.21	<=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	21.25	0.00	19.10	<=34.77	Pass
			25	22.14	0.00	19.99	<=34.77	Pass
			49	21.08	0.00	18.93	<=34.77	Pass
		25	0	20.75	0.00	18.60	<=34.77	Pass
			13	21.05	0.00	18.90	<=34.77	Pass
			25	20.88	0.00	18.73	<=34.77	Pass
		50	0	20.82	0.00	18.67	<=34.77	Pass
	707.5	1	0	21.76	0.00	19.61	<=34.77	Pass
			25	21.61	0.00	19.46	<=34.77	Pass
			49	21.00	0.00	18.85	<=34.77	Pass
		25	0	20.87	0.00	18.72	<=34.77	Pass
			13	20.56	0.00	18.41	<=34.77	Pass
			25	20.15	0.00	18.00	<=34.77	Pass
		50	0	20.60	0.00	18.45	<=34.77	Pass

16QAM	711	1	0	21.57	0.00	19.42	<=34.77	Pass
			25	21.34	0.00	19.19	<=34.77	Pass
			49	20.59	0.00	18.44	<=34.77	Pass
		25	0	20.33	0.00	18.18	<=34.77	Pass
			13	20.27	0.00	18.12	<=34.77	Pass
			25	20.47	0.00	18.32	<=34.77	Pass
		50	0	20.37	0.00	18.22	<=34.77	Pass
			0	20.39	0.00	18.24	<=34.77	Pass
			25	21.32	0.00	19.17	<=34.77	Pass
	704	1	49	20.28	0.00	18.13	<=34.77	Pass
			0	20.55	0.00	18.40	<=34.77	Pass
			19	21.18	0.00	19.03	<=34.77	Pass
		12	38	20.63	0.00	18.48	<=34.77	Pass
			0	19.82	0.00	17.67	<=34.77	Pass
			0	20.47	0.00	18.32	<=34.77	Pass
		27	25	20.35	0.00	18.20	<=34.77	Pass
			49	19.78	0.00	17.63	<=34.77	Pass
			0	20.87	0.00	18.72	<=34.77	Pass
	707.5	1	19	20.55	0.00	18.40	<=34.77	Pass
			38	20.01	0.00	17.86	<=34.77	Pass
			0	19.92	0.00	17.77	<=34.77	Pass
		12	0	20.58	0.00	18.43	<=34.77	Pass
			25	20.25	0.00	18.10	<=34.77	Pass
			49	19.59	0.00	17.44	<=34.77	Pass
		27	0	20.34	0.00	18.19	<=34.77	Pass
			19	20.15	0.00	18.00	<=34.77	Pass
			38	20.48	0.00	18.33	<=34.77	Pass
	711	1	23	19.63	0.00	17.48	<=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	0.544	0.0008	-2.5 to 2.5	Pass
					3.85	0.801	0.0011	-2.5 to 2.5	Pass
					4.43	1.001	0.0014	-2.5 to 2.5	Pass
				-30	3.85	0.772	0.0011	-2.5 to 2.5	Pass
				-20	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.486	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.486	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.801	0.0011	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-0.401	-0.0006	-2.5 to 2.5	Pass
					3.85	0.286	0.0004	-2.5 to 2.5	Pass
					4.43	-0.129	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.672	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0001	-2.5 to 2.5	Pass

				0	3.85	-0.587	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-0.486	-0.0007	-2.5 to 2.5	Pass
					3.85	0.157	0.0002	-2.5 to 2.5	Pass
					4.43	0.186	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.372	0.0005	-2.5 to 2.5	Pass
				-20	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
				0	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.615	0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	0.973	0.0014	-2.5 to 2.5	Pass
					3.85	0.286	0.0004	-2.5 to 2.5	Pass
					4.43	0.343	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.472	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.072	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.386	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				50	3.85	0.458	0.0007	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	0.014	0.0000	-2.5 to 2.5	Pass
					3.85	0.343	0.0005	-2.5 to 2.5	Pass
					4.43	0.200	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.672	0.0009	-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	0.200	0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0005	-2.5 to 2.5	Pass
				40	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.329	0.0005	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-0.272	-0.0004	-2.5 to 2.5	Pass
					3.85	0.930	0.0013	-2.5 to 2.5	Pass
					4.43	0.472	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.658	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.772	0.0011	-2.5 to 2.5	Pass
				0	3.85	0.443	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.329	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0010	-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	0.343	0.0005	-2.5 to 2.5	Pass
					3.85	0.300	0.0004	-2.5 to 2.5	Pass

16QAM					4.43	0.787	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.329	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.329	0.0005	-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	0.029	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				40	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.229	0.0003	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-0.443	-0.0006	-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	0.644	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.587	0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.272	-0.0004	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	0.429	0.0006	-2.5 to 2.5	Pass
					3.85	0.157	0.0002	-2.5 to 2.5	Pass
					4.43	-0.186	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.529	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.758	0.0011	-2.5 to 2.5	Pass
				50	3.85	0.272	0.0004	-2.5 to 2.5	Pass
	700.5	15	0	20	3.27	0.143	0.0002	-2.5 to 2.5	Pass
					3.85	0.000	0.0000	-2.5 to 2.5	Pass
					4.43	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0005	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	0.114	0.0002	-2.5 to 2.5	Pass
					3.85	0.415	0.0006	-2.5 to 2.5	Pass
					4.43	-0.243	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.486	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
				40	3.85	0.701	0.0010	-2.5 to 2.5	Pass
				50	3.85	0.229	0.0003	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	0.114	0.0002	-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	0.086	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.372	0.0005	-2.5 to 2.5	Pass

				0	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0005	-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	-0.386	-0.0006	-2.5 to 2.5	Pass
					3.85	0.143	0.0002	-2.5 to 2.5	Pass
					4.43	0.200	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				30	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-0.501	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
					4.43	0.072	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.243	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.601	0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.443	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.501	0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.286	0.0004	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.844	0.0012	-2.5 to 2.5	Pass
					3.85	1.531	0.0021	-2.5 to 2.5	Pass
					4.43	1.016	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.073	0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.858	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.287	0.0018	-2.5 to 2.5	Pass
				0	3.85	1.230	0.0017	-2.5 to 2.5	Pass
				10	3.85	1.073	0.0015	-2.5 to 2.5	Pass
				30	3.85	0.873	0.0012	-2.5 to 2.5	Pass
				40	3.85	0.458	0.0006	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-0.172	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
					4.43	0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.715	0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.286	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.701	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.458	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.286	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.215	-0.0003	-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	-0.057	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.358	-0.0005	-2.5 to 2.5	Pass

					4.43	-0.157	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.515	0.0007	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-0.472	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
					4.43	0.300	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.529	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.615	0.0009	-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	0.401	0.0006	-2.5 to 2.5	Pass
					3.85	0.873	0.0012	-2.5 to 2.5	Pass
					4.43	0.086	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.486	0.0007	-2.5 to 2.5	Pass
				-20	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
				0	3.85	0.873	0.0012	-2.5 to 2.5	Pass
				10	3.85	0.186	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
	707.5	50	0	50	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				20	3.27	0.215	0.0003	-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	0.358	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.343	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
	711	50	0	40	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				20	3.27	0.415	0.0006	-2.5 to 2.5	Pass
					3.85	0.558	0.0008	-2.5 to 2.5	Pass
					4.43	0.801	0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.973	0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.329	0.0005	-2.5 to 2.5	Pass
				0	3.85	0.772	0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.701	0.0010	-2.5 to 2.5	Pass

16QAM	704	27	0	40	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				20	3.27	-0.172	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.243	0.0003	-2.5 to 2.5	Pass
	707.5	27	0	30	3.85	-0.443	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.415	0.0006	-2.5 to 2.5	Pass
				20	3.27	-0.172	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.873	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.401	-0.0006	-2.5 to 2.5	Pass
	711	27	23	10	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				20	3.27	0.372	0.0005	-2.5 to 2.5	Pass
					3.85	0.072	0.0001	-2.5 to 2.5	Pass
					4.43	0.072	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.114	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
				10	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.200	-0.0003	-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

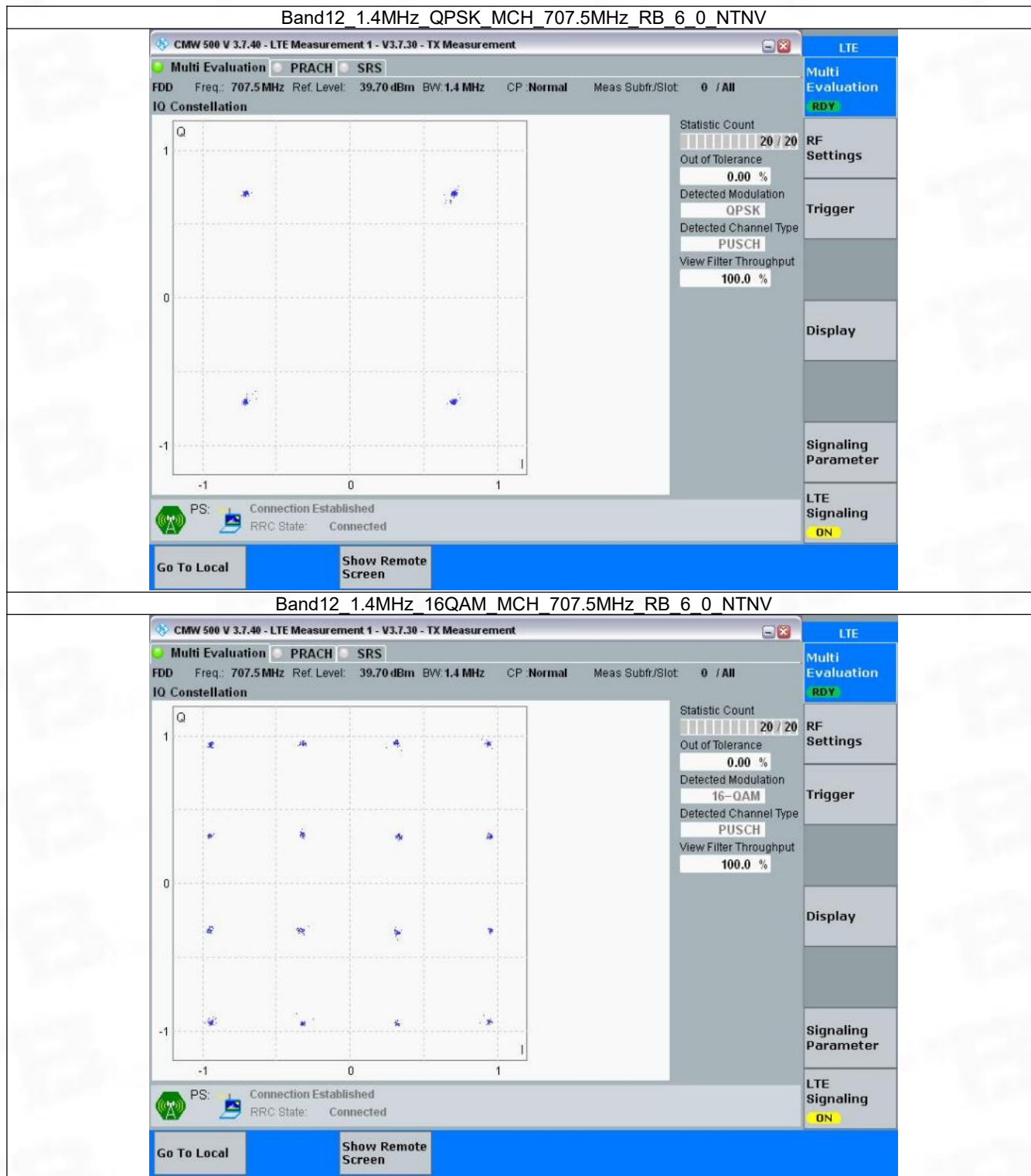
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	25	0	Refer To Test Graph		Pass
16QAM	707.5	25	0	Refer To Test Graph		Pass

3.1.4 B12_10MHz

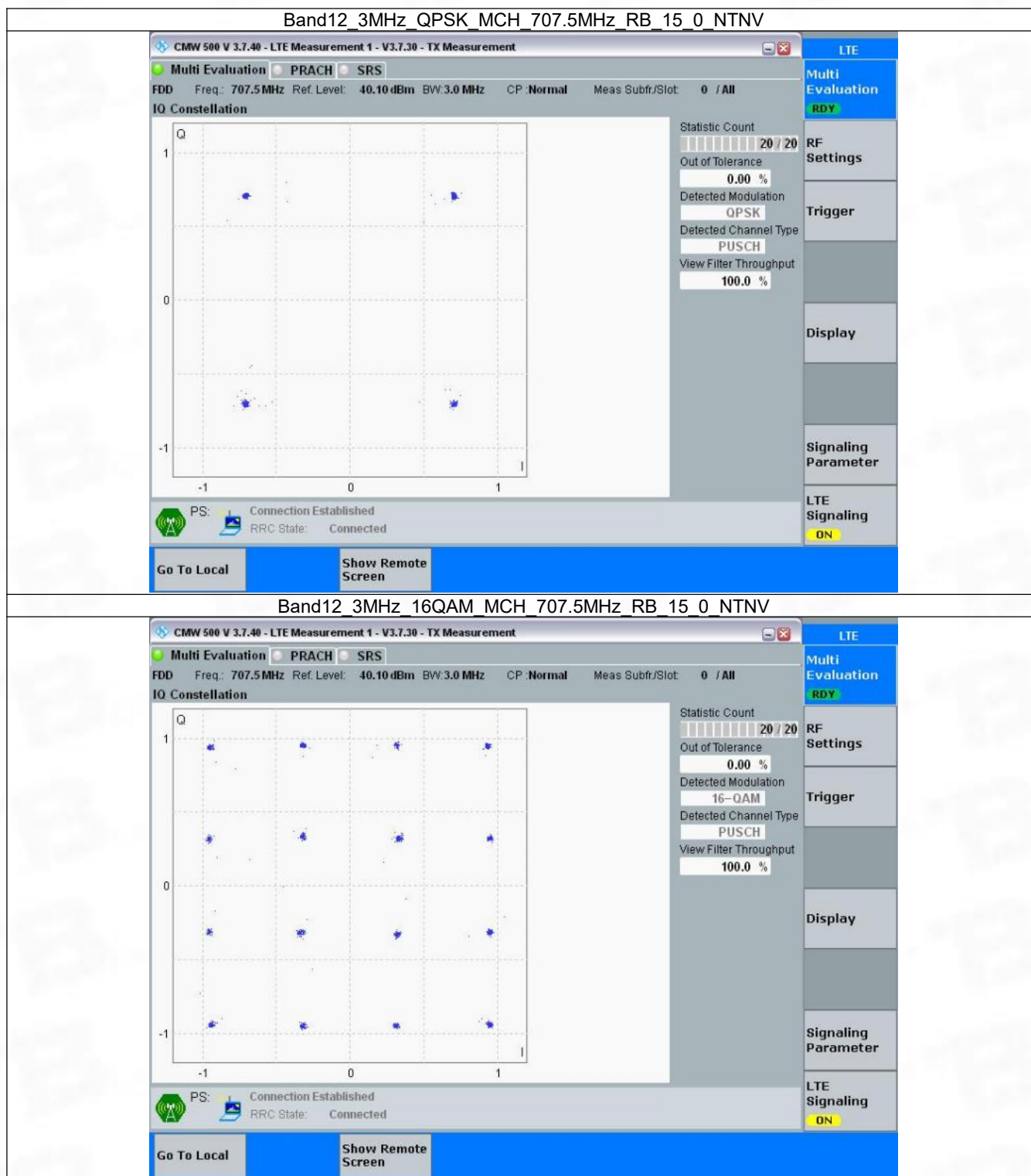
Band: 12 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	707.5	50	0	Refer To Test Graph		Pass
16QAM	707.5	27	0	Refer To Test Graph		Pass

3.2 Test Graph

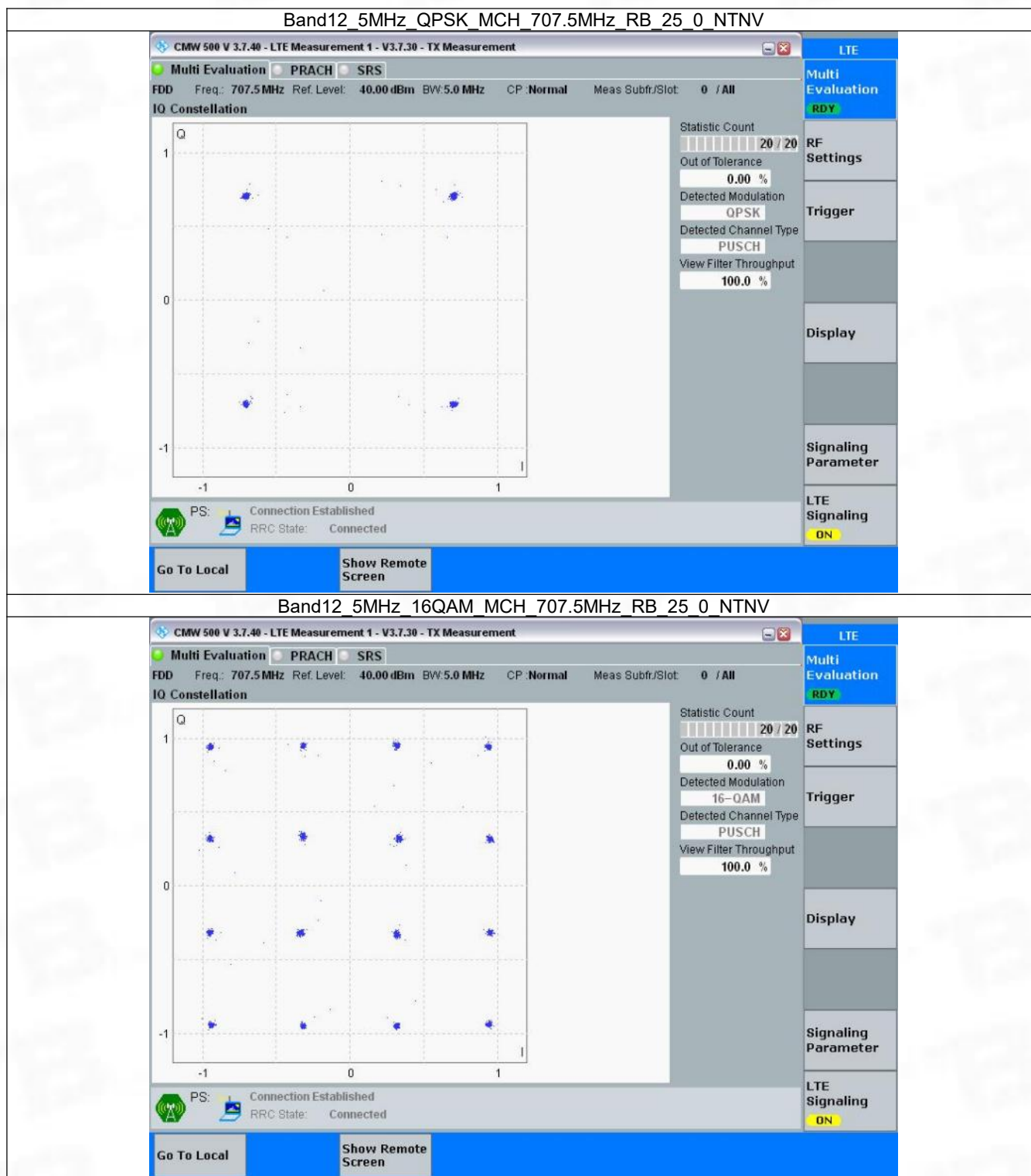
3.2.1 B12_1.4MHz



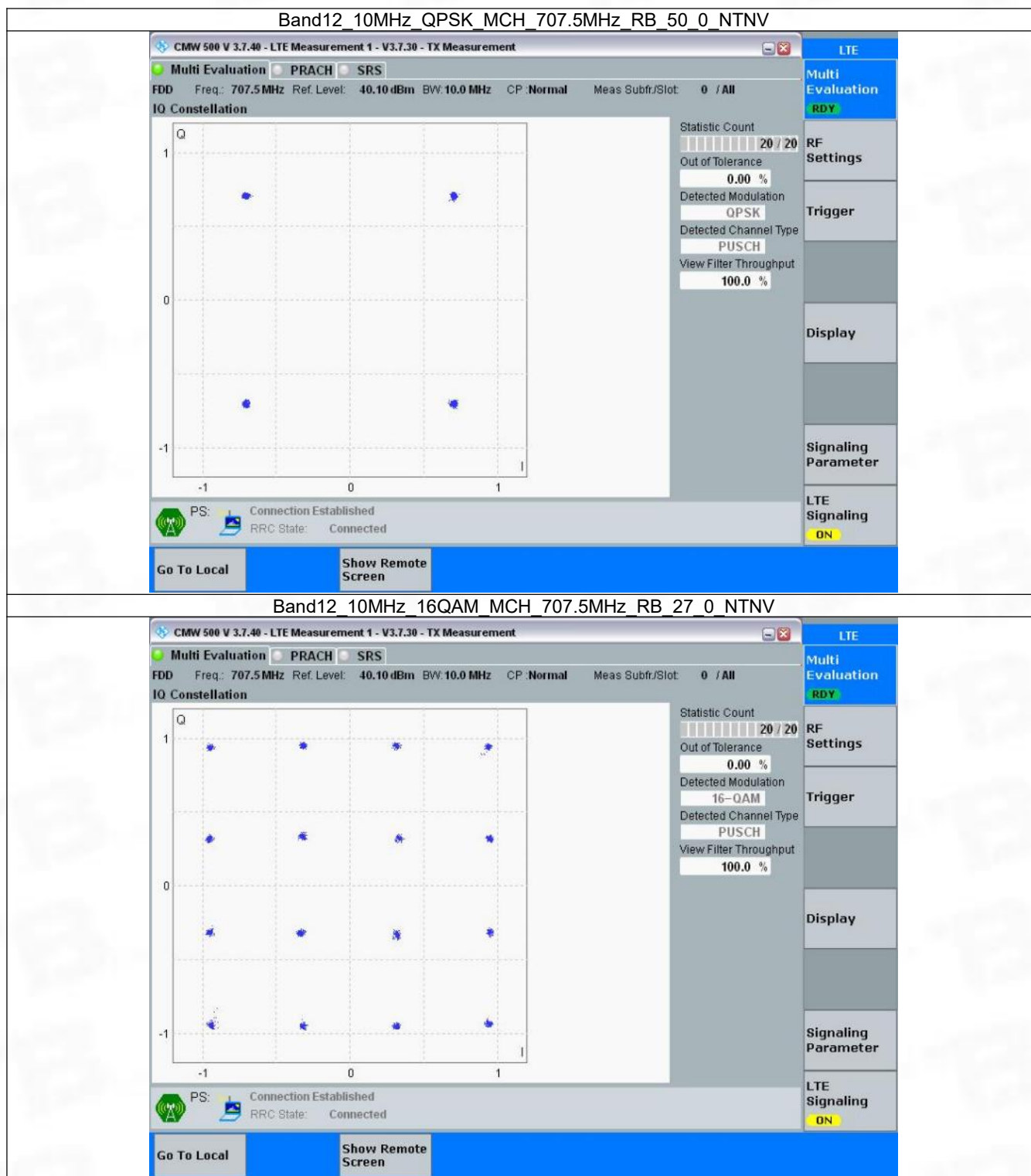
3.2.2 B12_3MHz



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	1.104	/	Pass
		707.5	6	0	1.111	/	Pass
		715.3	6	0	1.108	/	Pass
	16QAM	699.7	6	0	1.105	/	Pass
		707.5	6	0	1.111	/	Pass
		715.3	6	0	1.108	/	Pass
3	QPSK	700.5	15	0	2.748	/	Pass
		707.5	15	0	2.738	/	Pass
		714.5	15	0	2.729	/	Pass
	16QAM	700.5	15	0	2.724	/	Pass
		707.5	15	0	2.734	/	Pass
		714.5	15	0	2.738	/	Pass
5	QPSK	701.5	25	0	4.544	/	Pass
		707.5	25	0	4.543	/	Pass
		713.5	25	0	4.554	/	Pass
	16QAM	701.5	25	0	4.547	/	Pass
		707.5	25	0	4.547	/	Pass
		713.5	25	0	4.536	/	Pass
10	QPSK	704	50	0	9.022	/	Pass
		707.5	50	0	9.104	/	Pass
		711	50	0	9.094	/	Pass
	16QAM	704	27	0	5.151	/	Pass
		707.5	27	0	5.052	/	Pass
		711	27	23	5.126	/	Pass

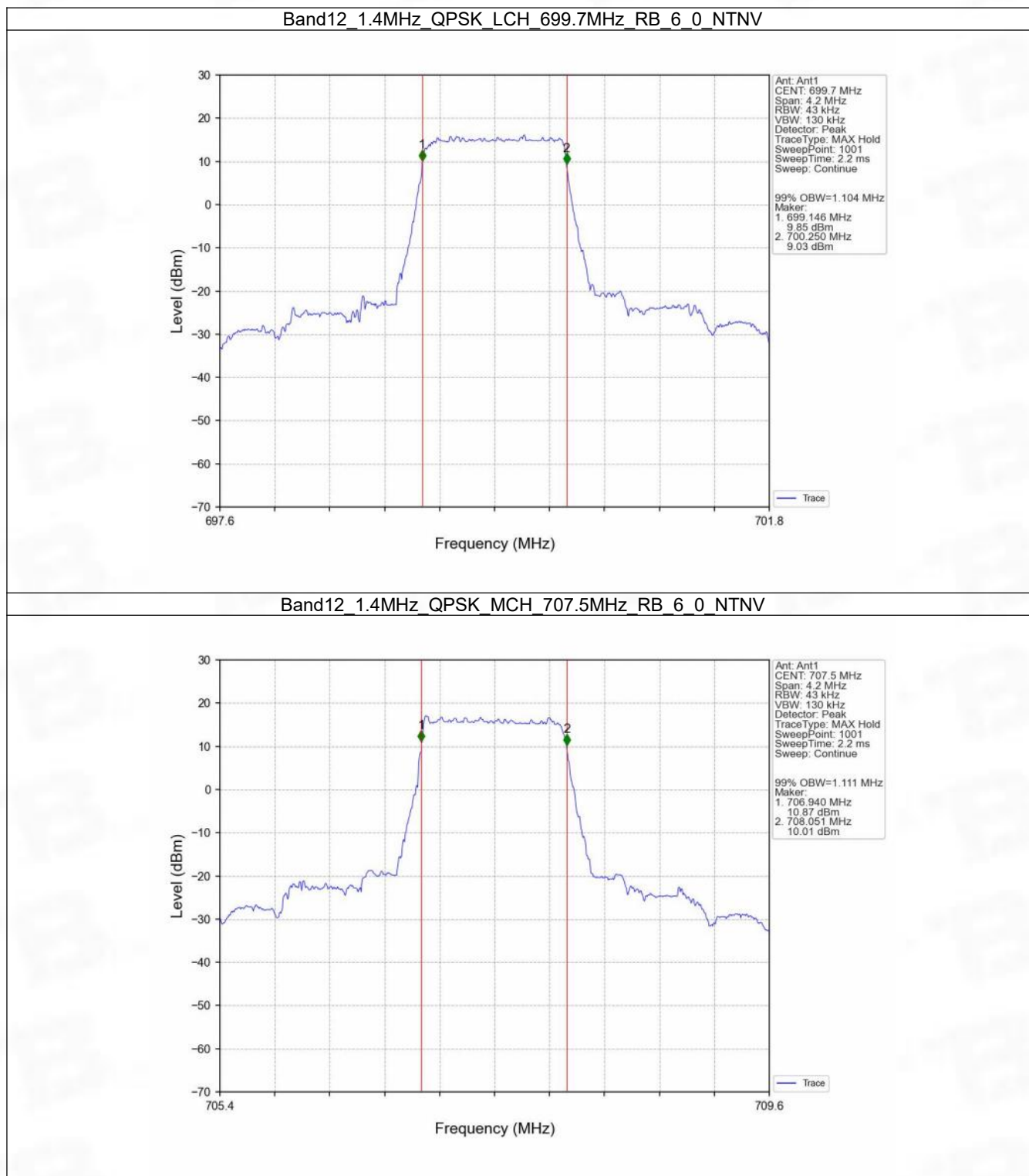
4.1.2 Band12_XDB

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	1.319	/	Pass
		707.5	6	0	1.333	/	Pass
		715.3	6	0	1.337	/	Pass
	16QAM	699.7	6	0	1.317	/	Pass
		707.5	6	0	1.332	/	Pass
		715.3	6	0	1.343	/	Pass
3	QPSK	700.5	15	0	3.015	/	Pass
		707.5	15	0	3.040	/	Pass
		714.5	15	0	3.038	/	Pass
	16QAM	700.5	15	0	3.031	/	Pass
		707.5	15	0	3.009	/	Pass
		714.5	15	0	3.055	/	Pass
5	QPSK	701.5	25	0	5.086	/	Pass
		707.5	25	0	5.079	/	Pass
		713.5	25	0	5.080	/	Pass

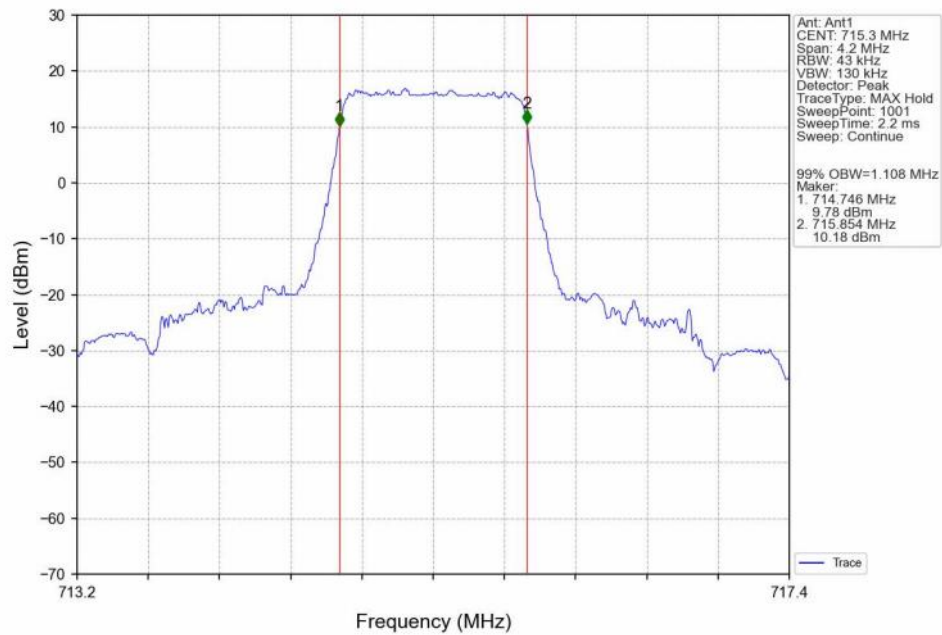
	16QAM	701.5	25	0	5.044	/	Pass
		707.5	25	0	5.097	/	Pass
		713.5	25	0	5.056	/	Pass
10	QPSK	704	50	0	10.172	/	Pass
		707.5	50	0	10.306	/	Pass
		711	50	0	10.456	/	Pass
	16QAM	704	27	0	6.398	/	Pass
		707.5	27	0	6.390	/	Pass
		711	27	23	6.537	/	Pass

4.2 Test Graph

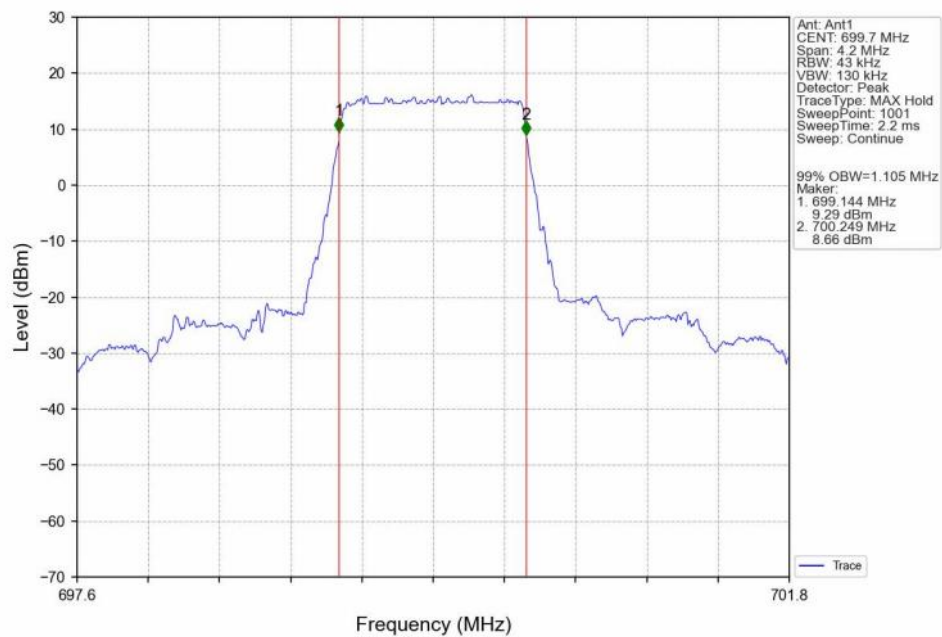
4.2.1 Band12_OBW



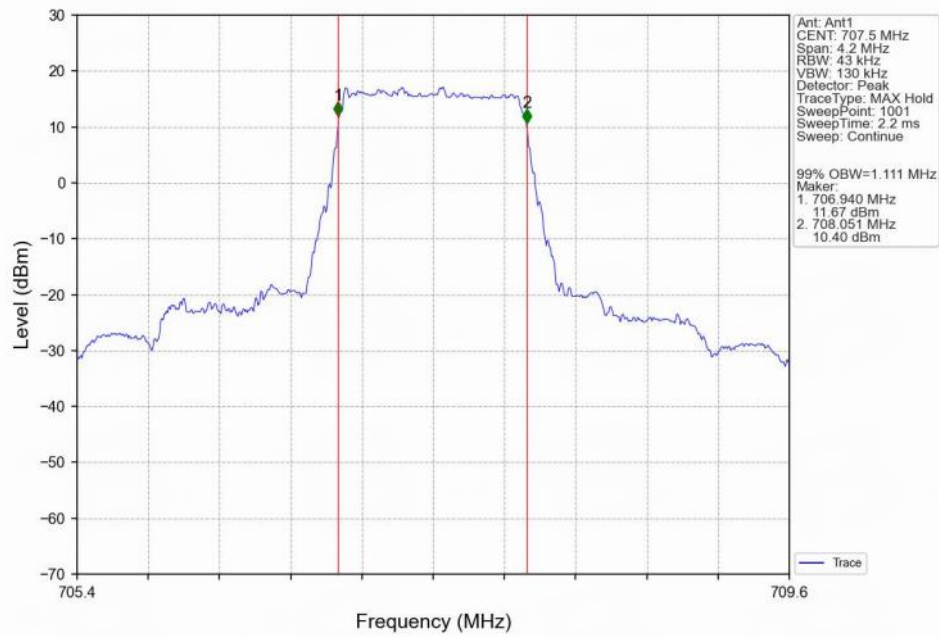
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



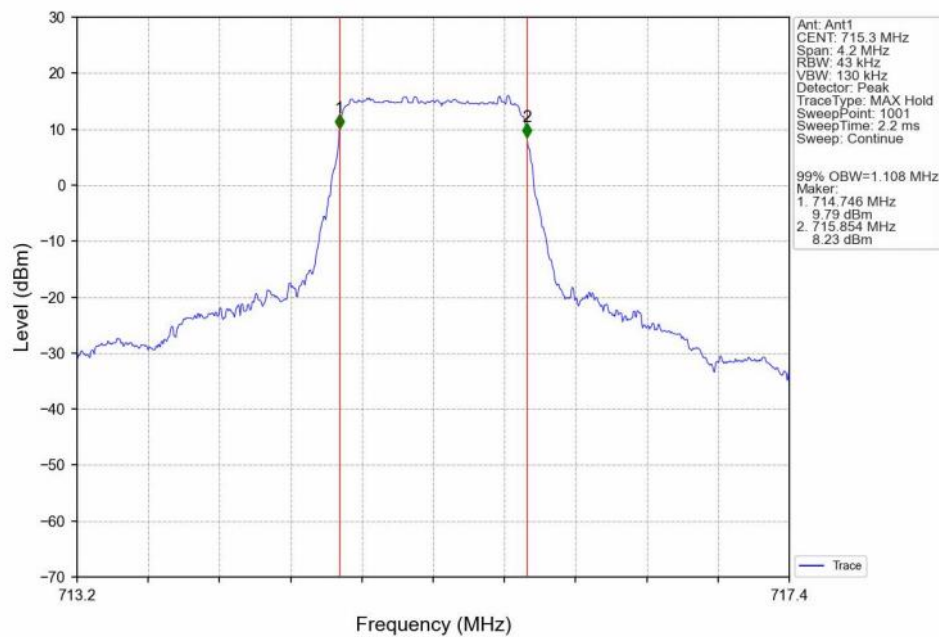
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



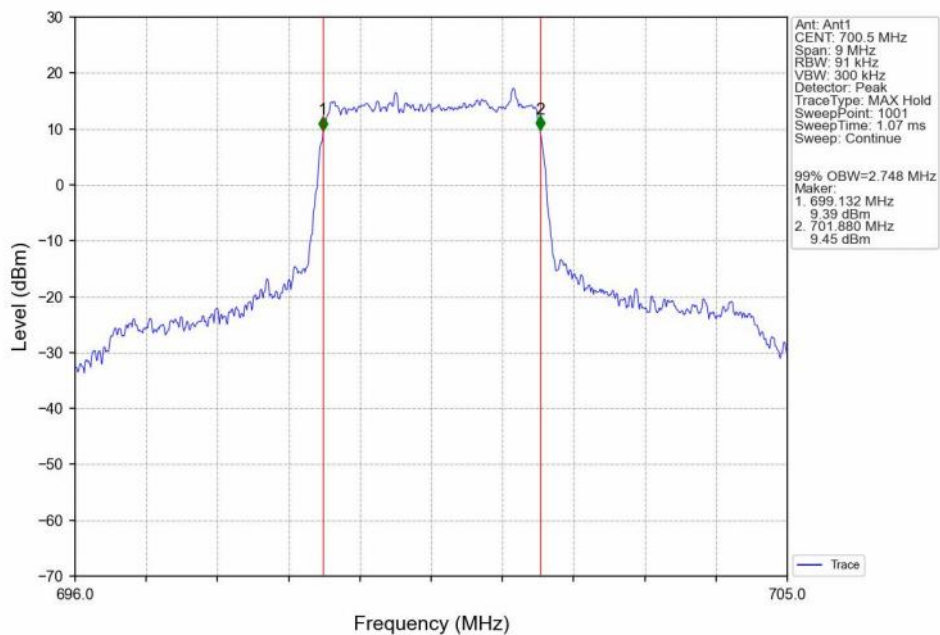
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



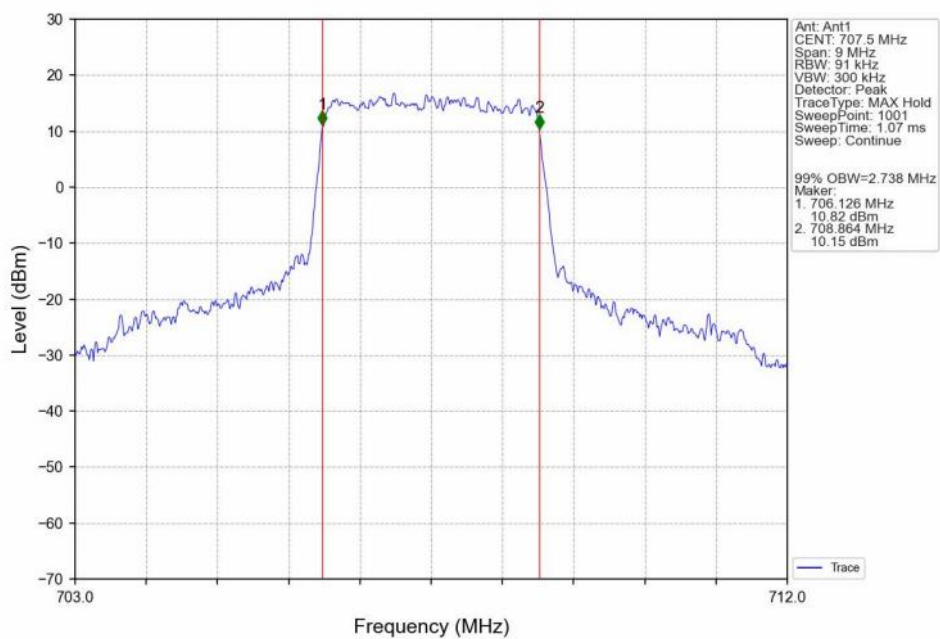
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



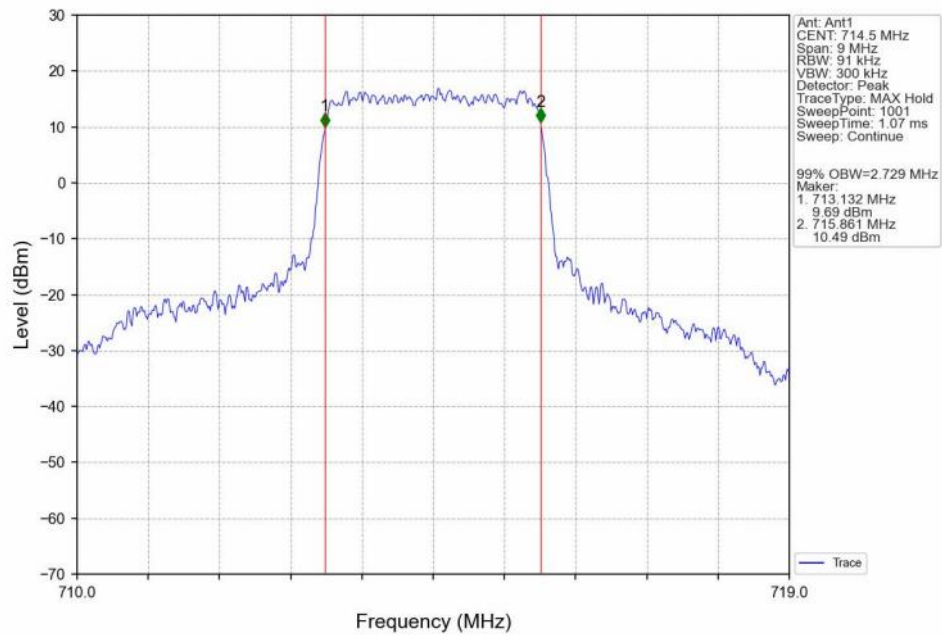
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



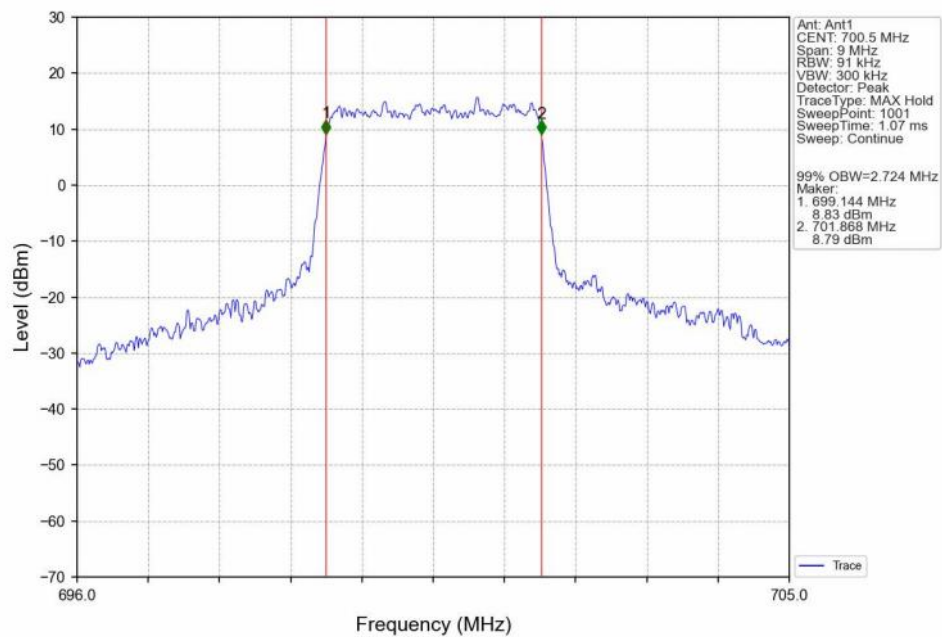
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



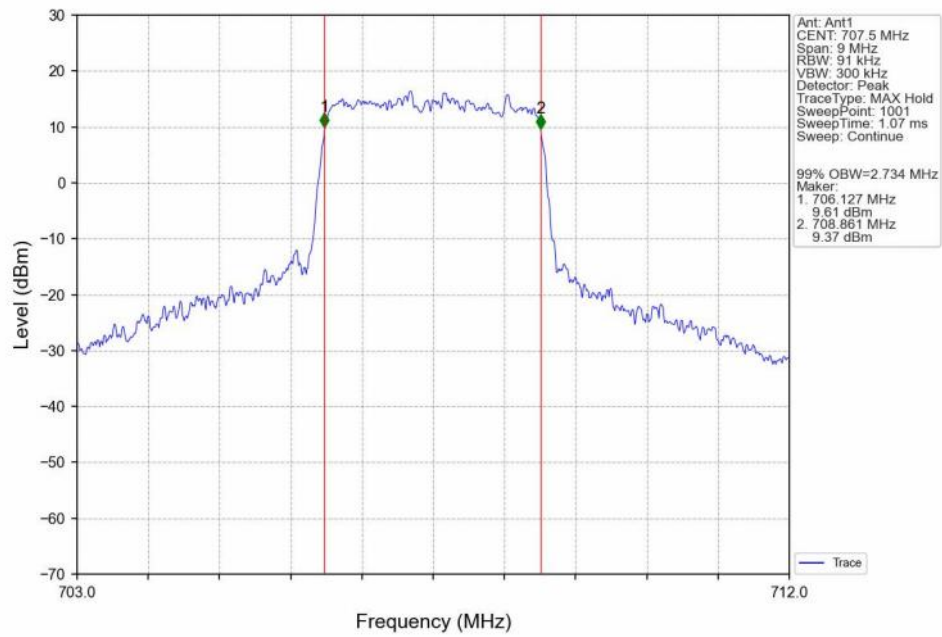
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



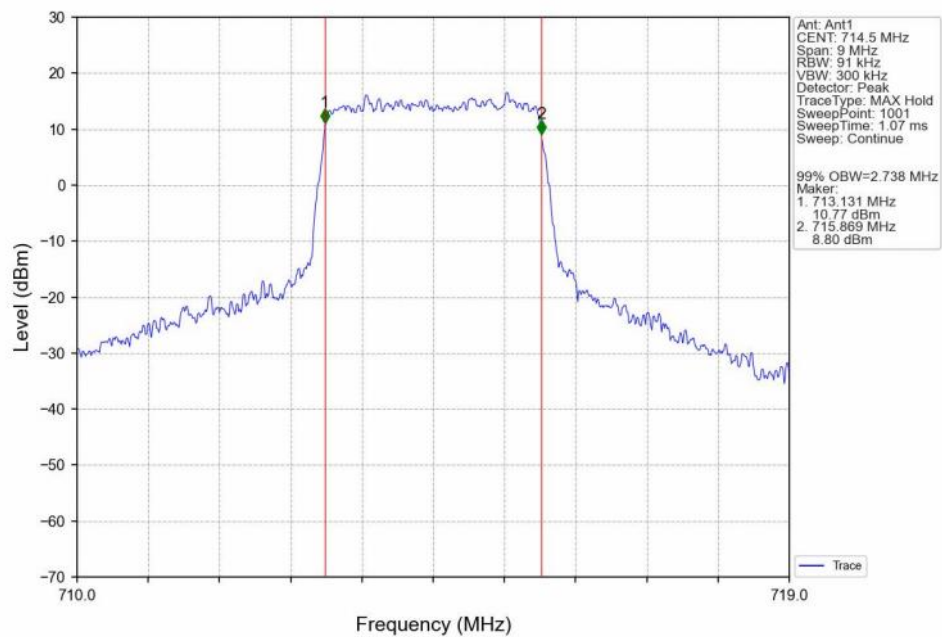
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



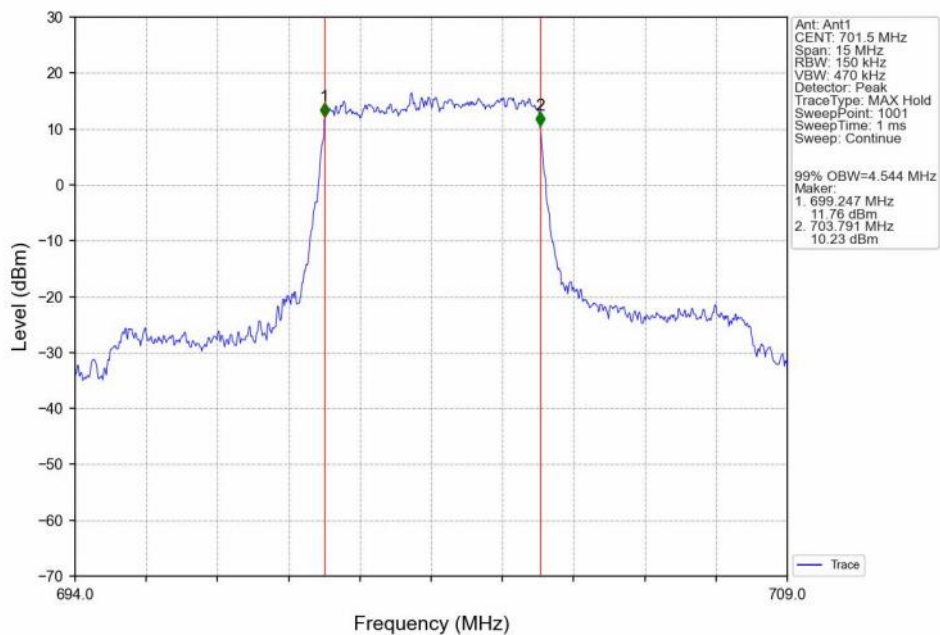
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



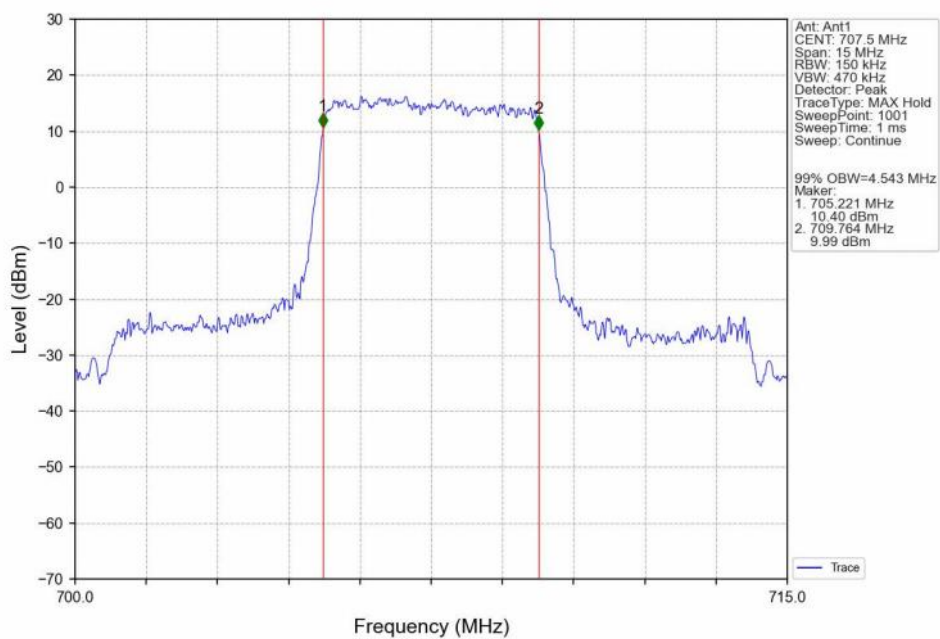
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



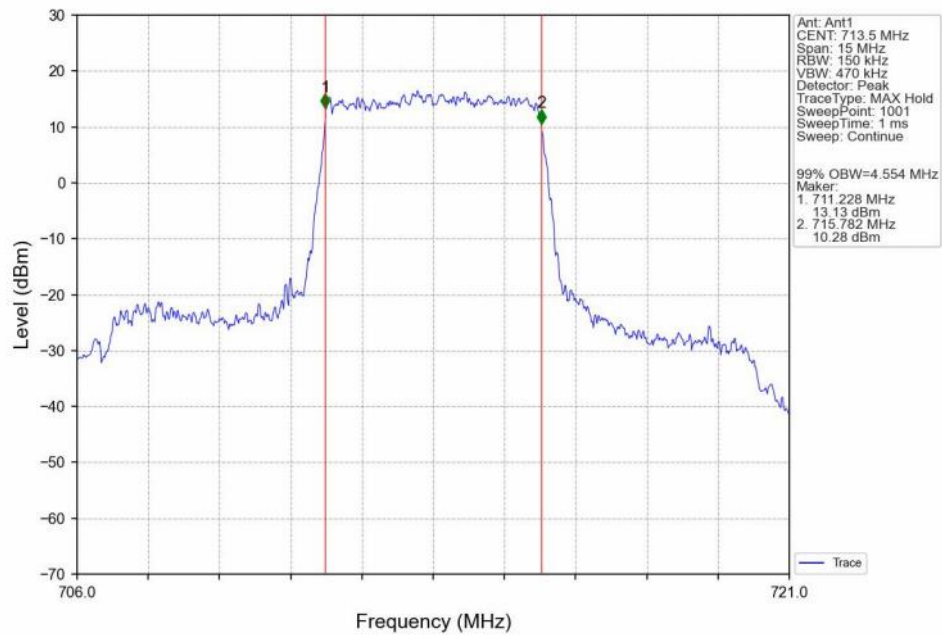
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



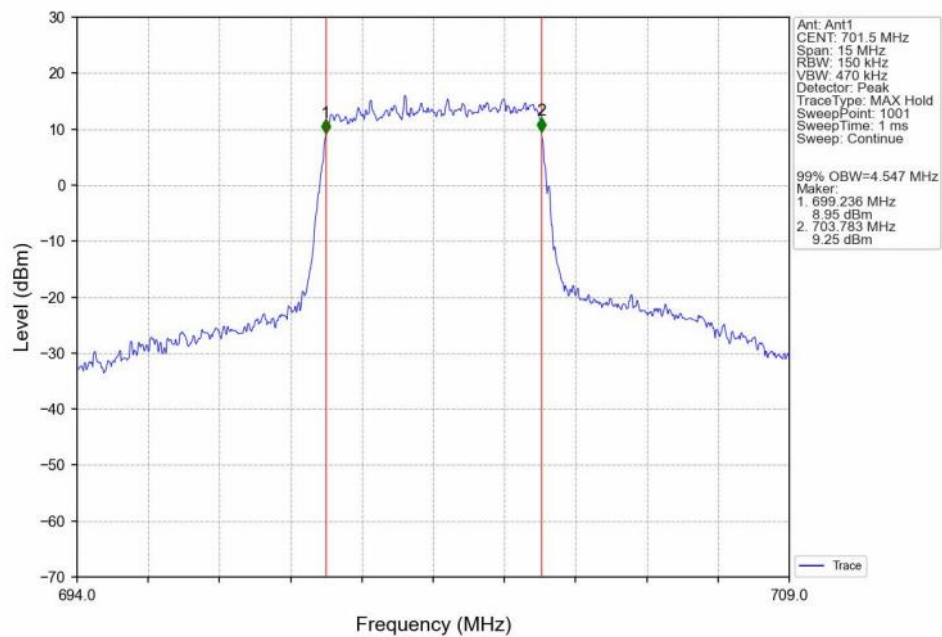
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



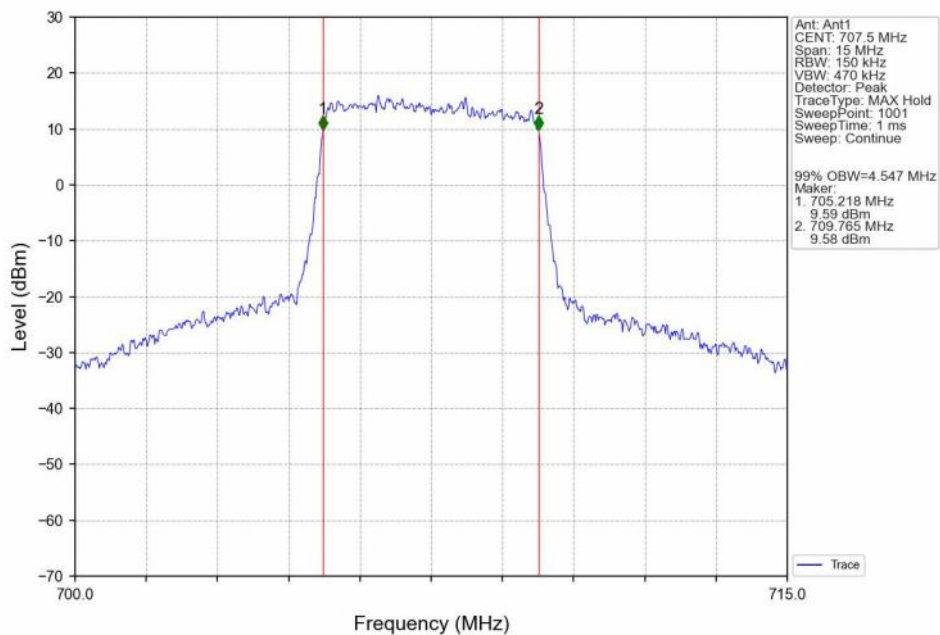
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



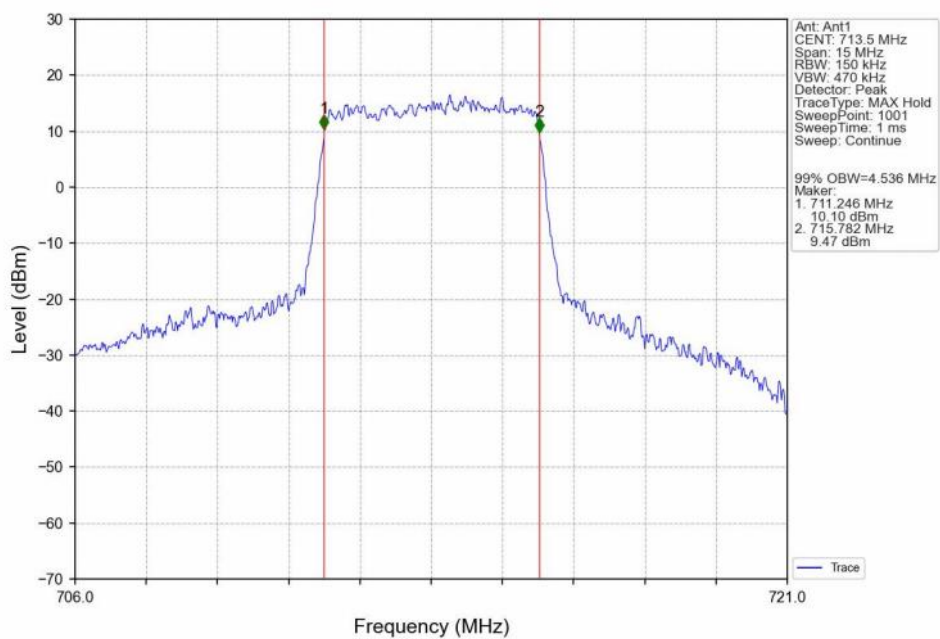
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



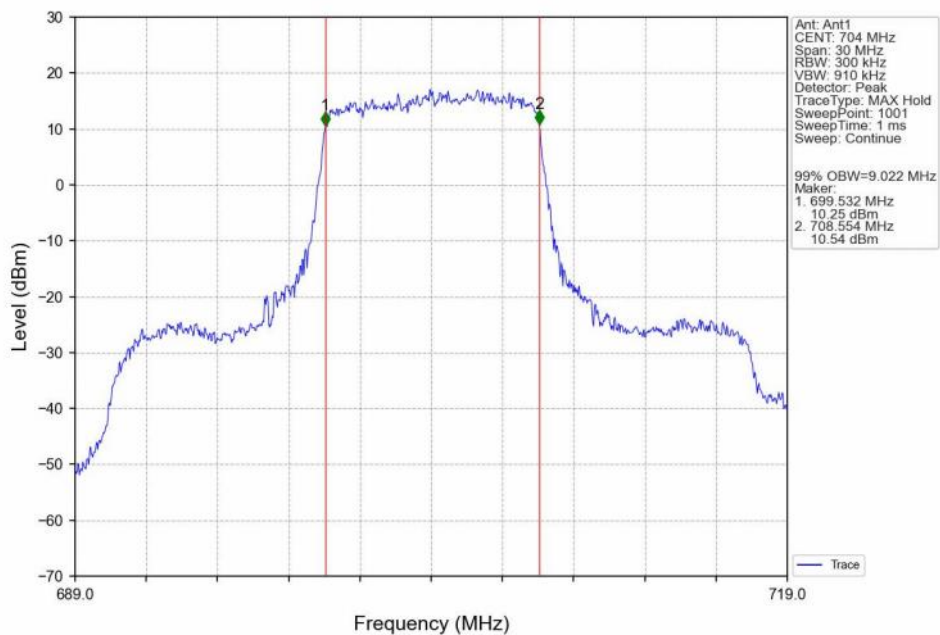
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



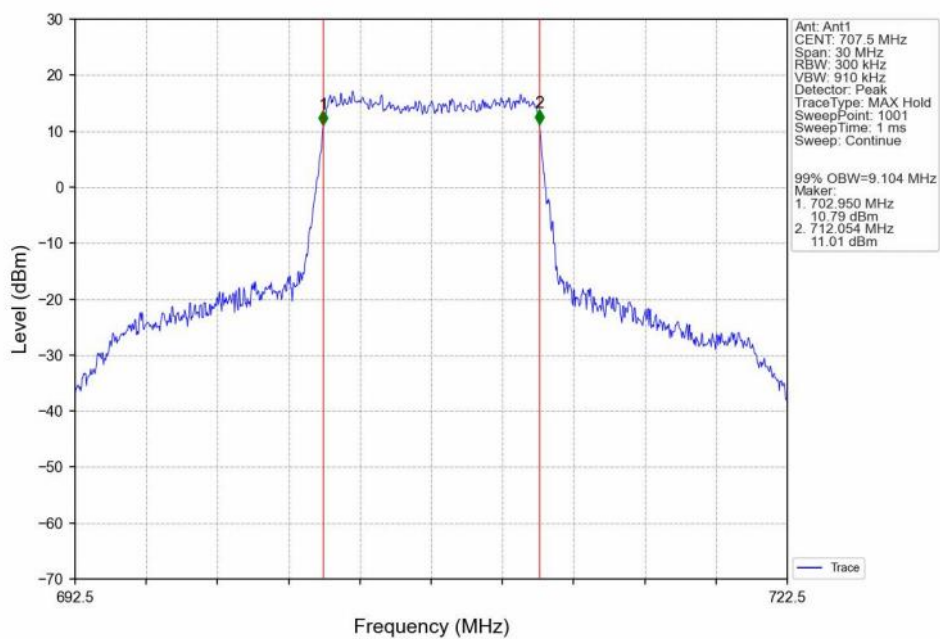
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



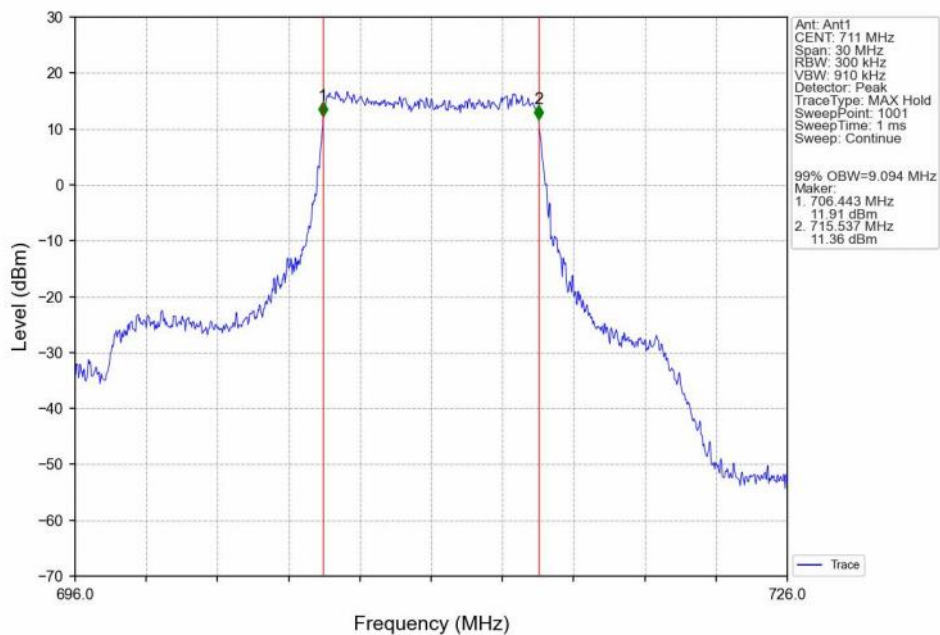
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



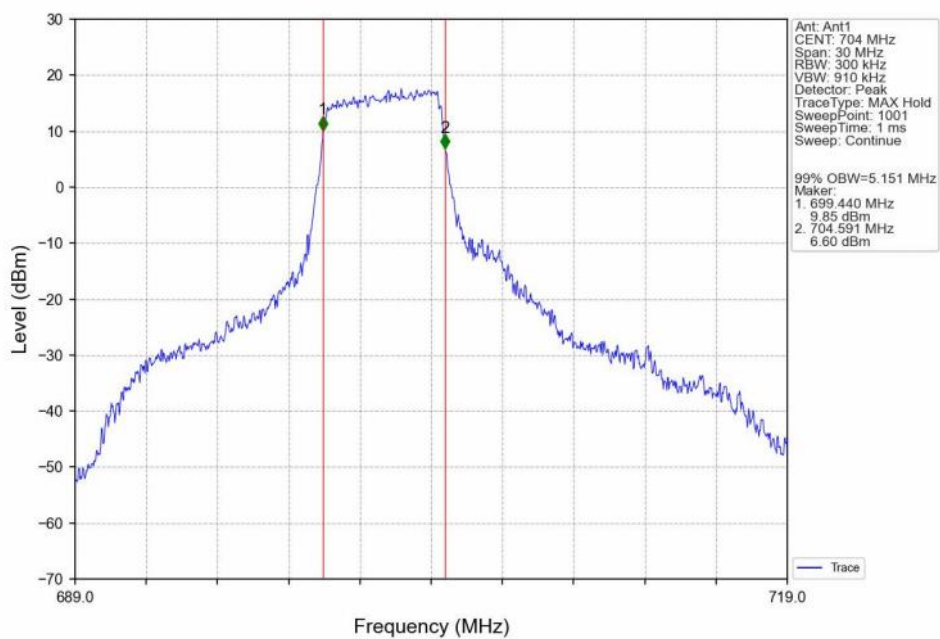
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



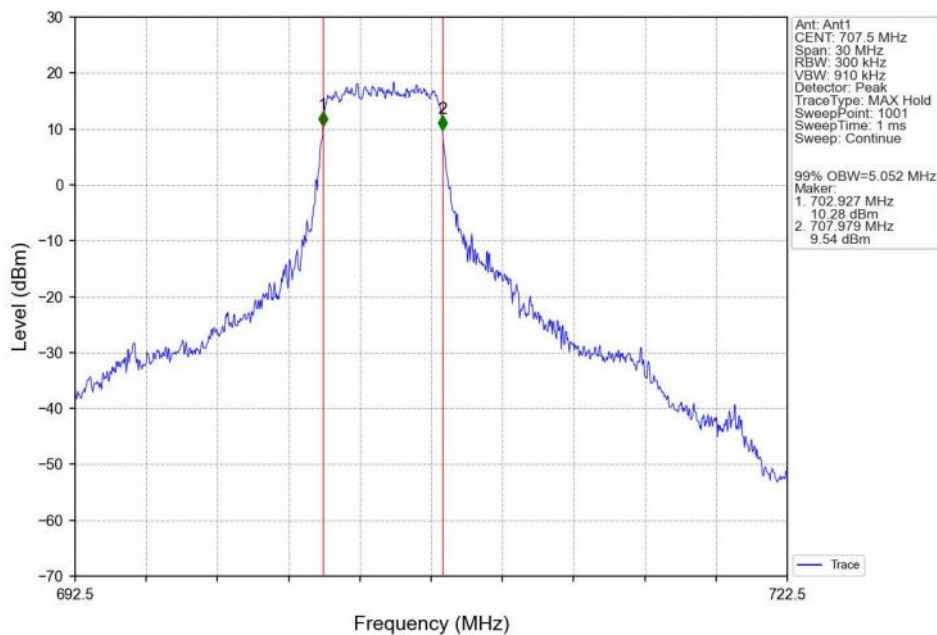
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



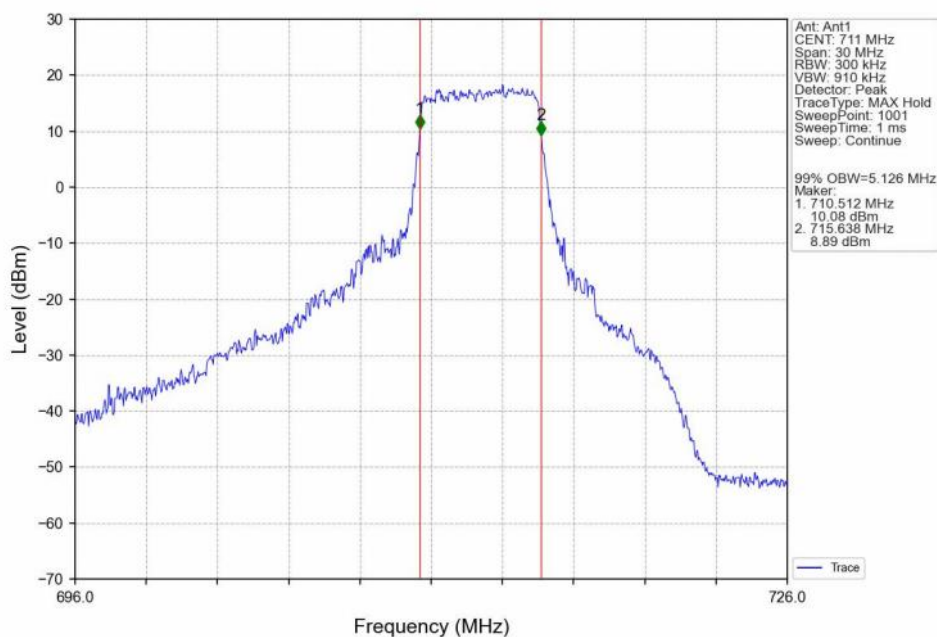
Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV



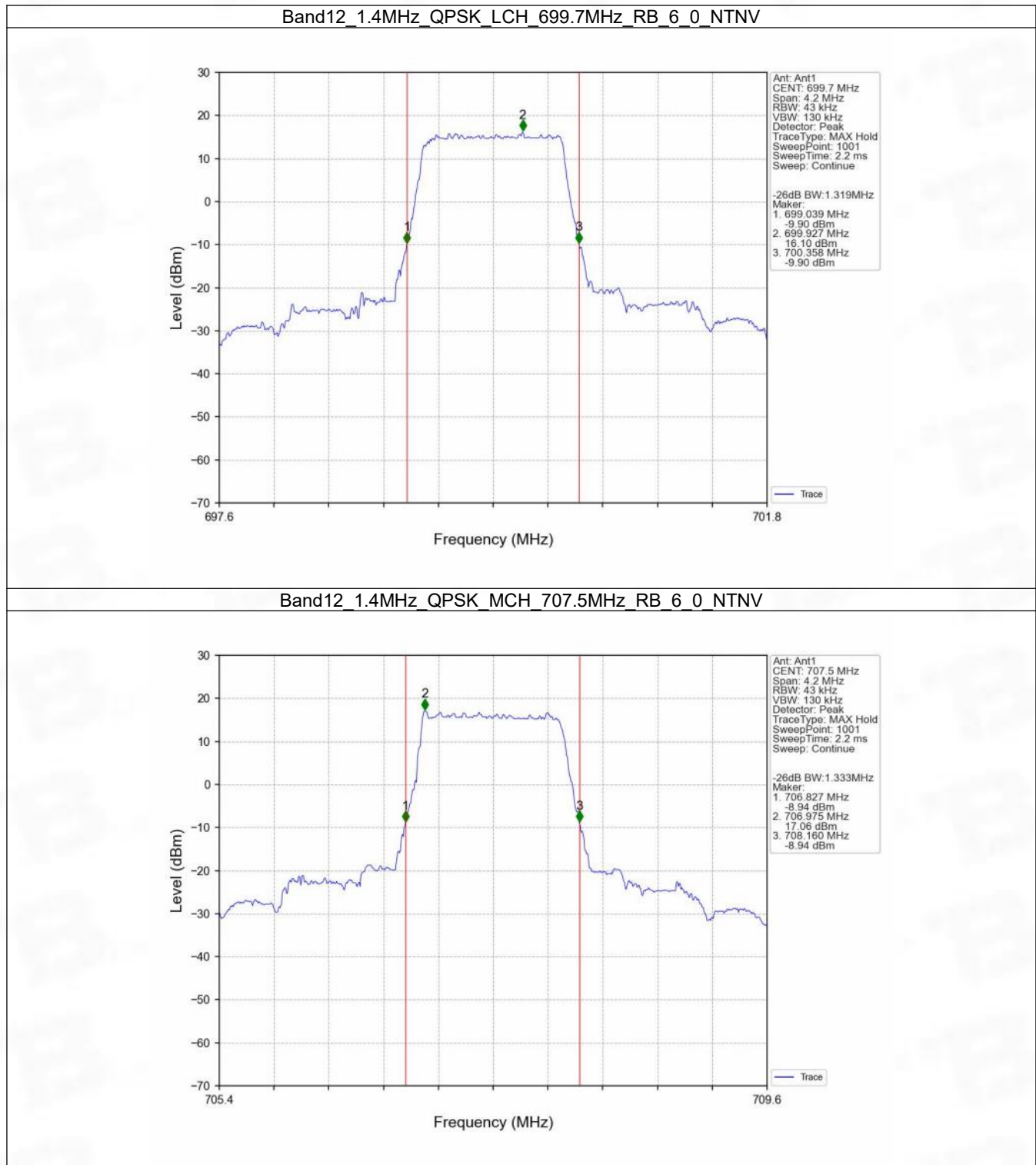
Band12_10MHz_16QAM_MCH_707.5MHz_RB_27_0_NTNV



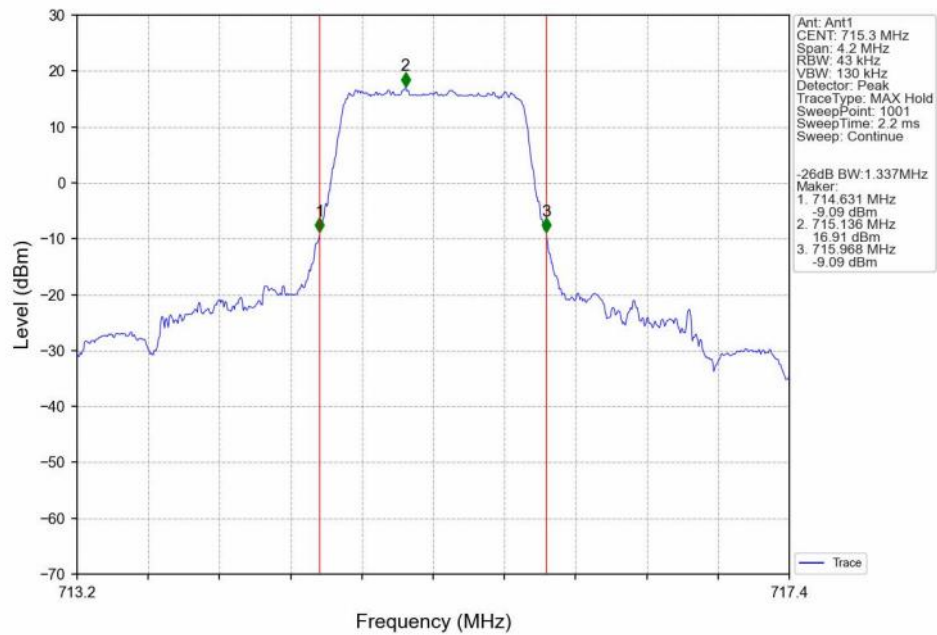
Band12_10MHz_16QAM_HCH_711MHz_RB_27_23_NTNV



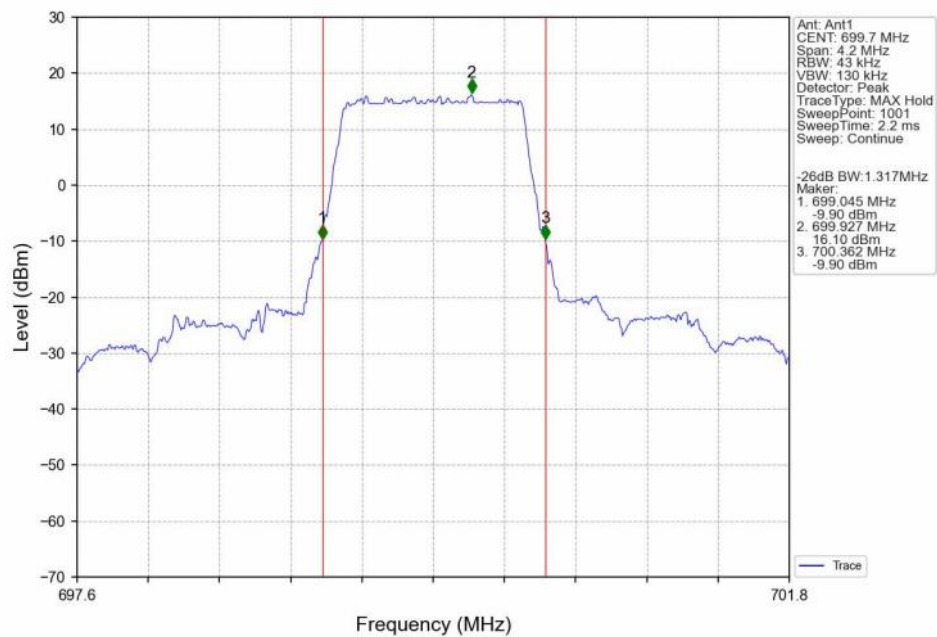
4.2.2 Band12_XDB



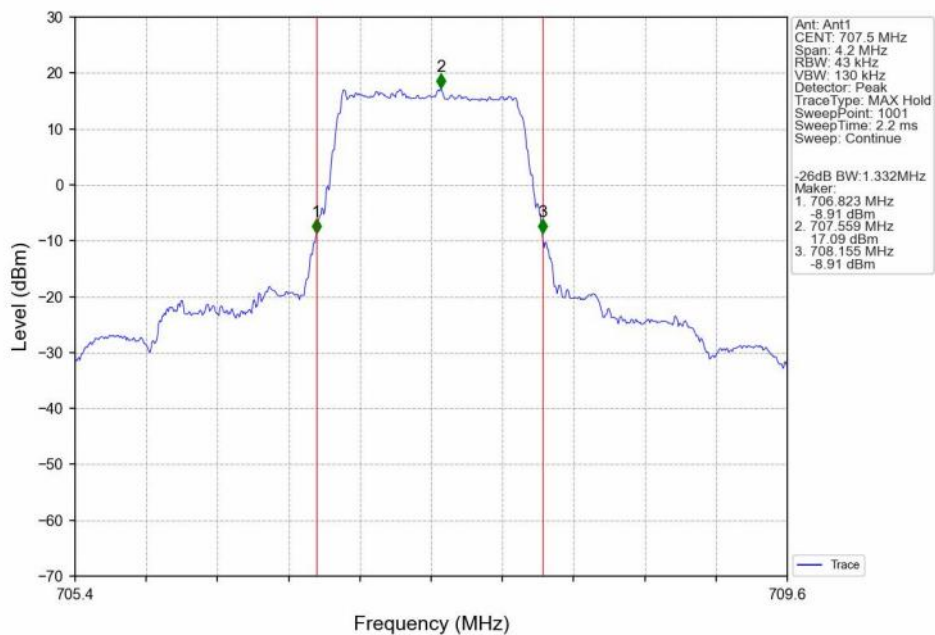
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



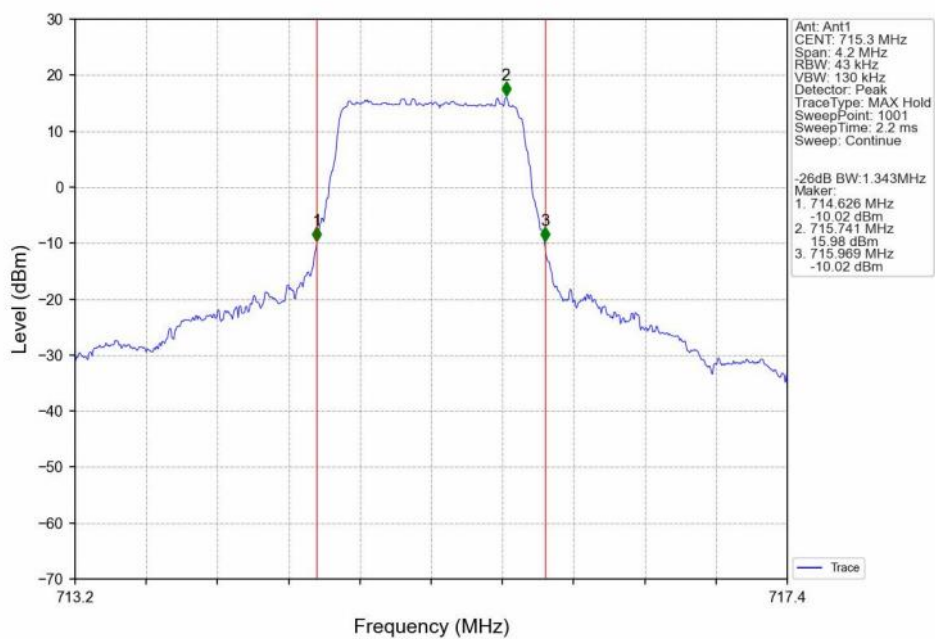
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



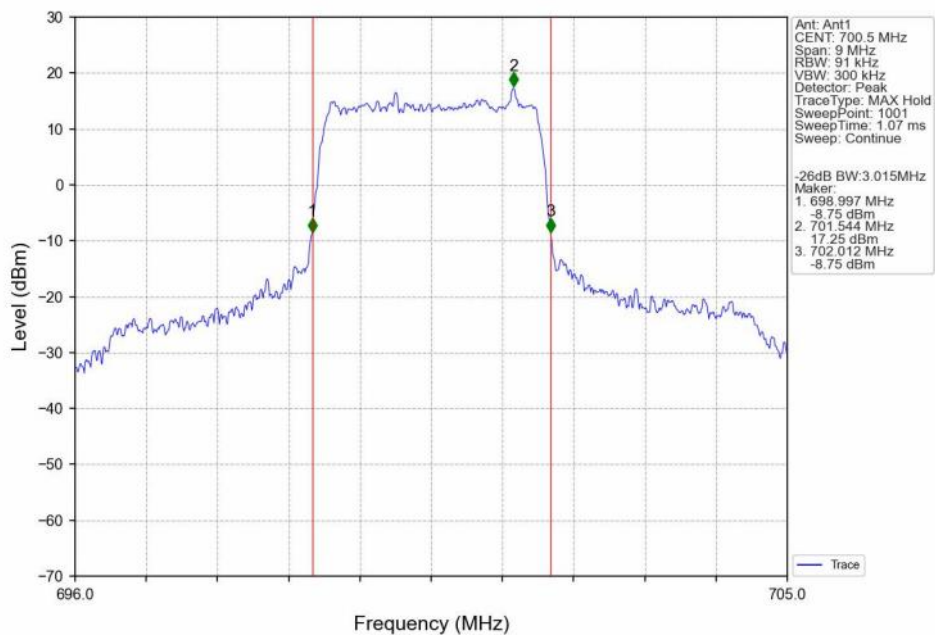
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV



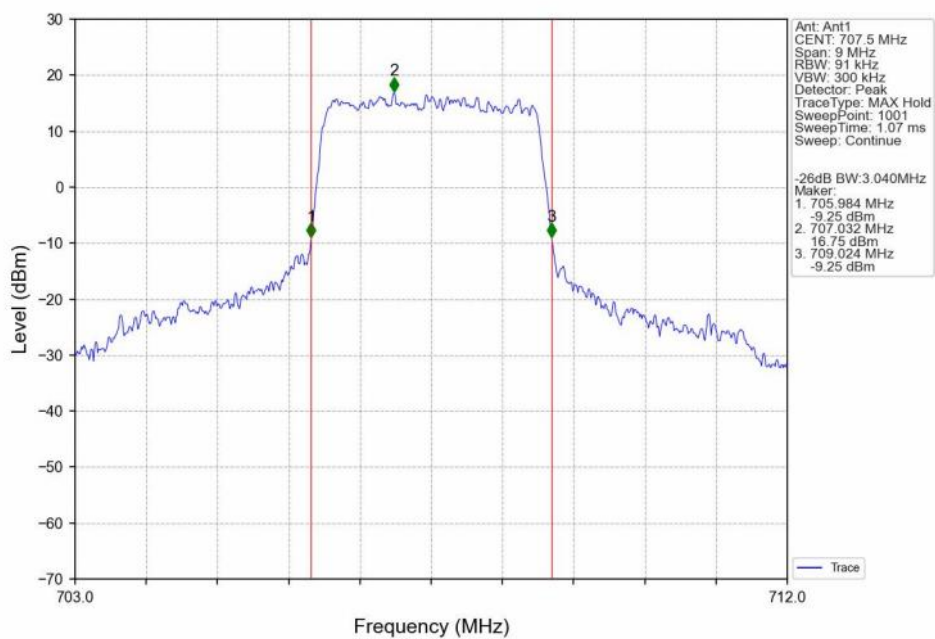
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV



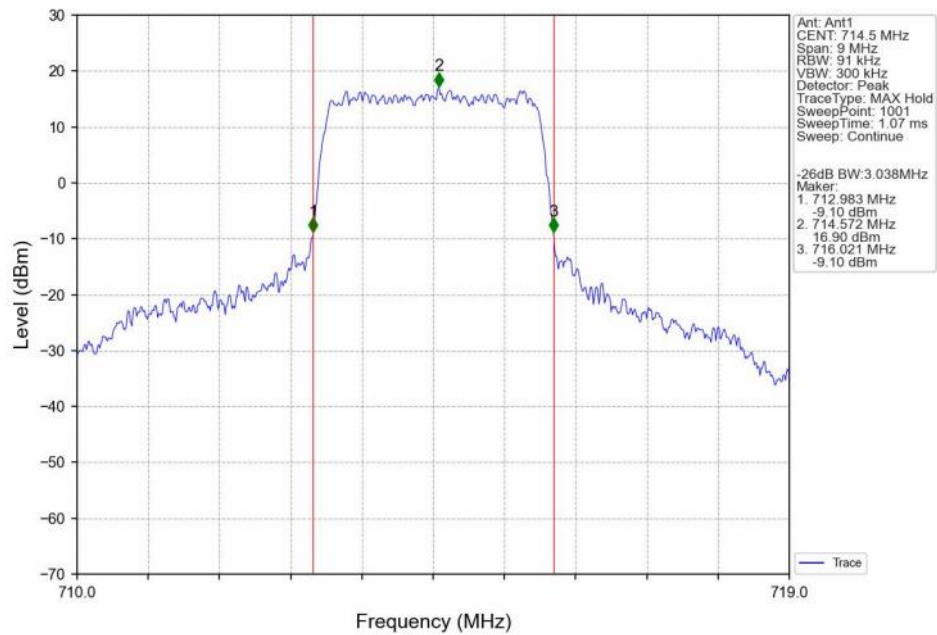
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



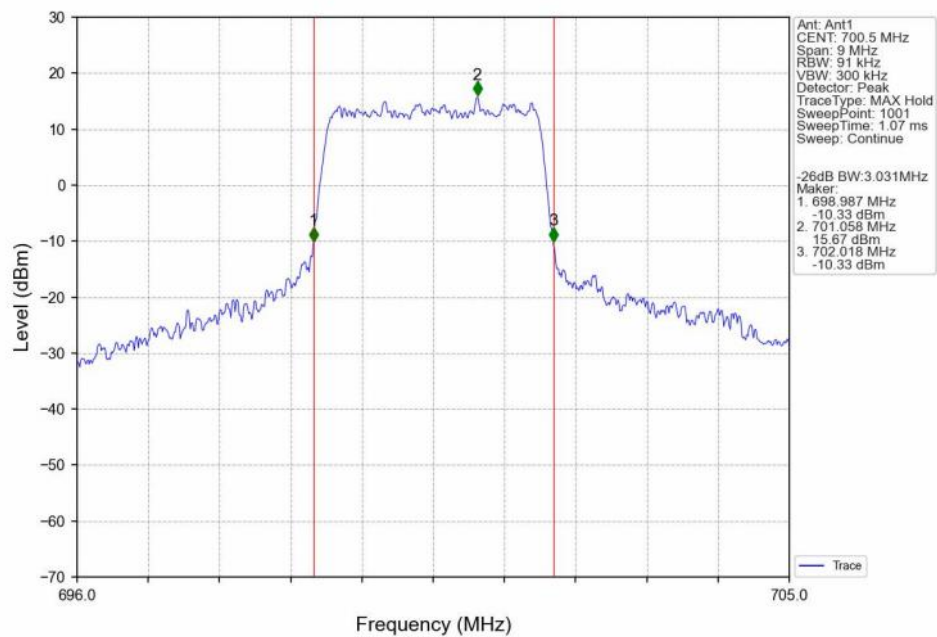
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



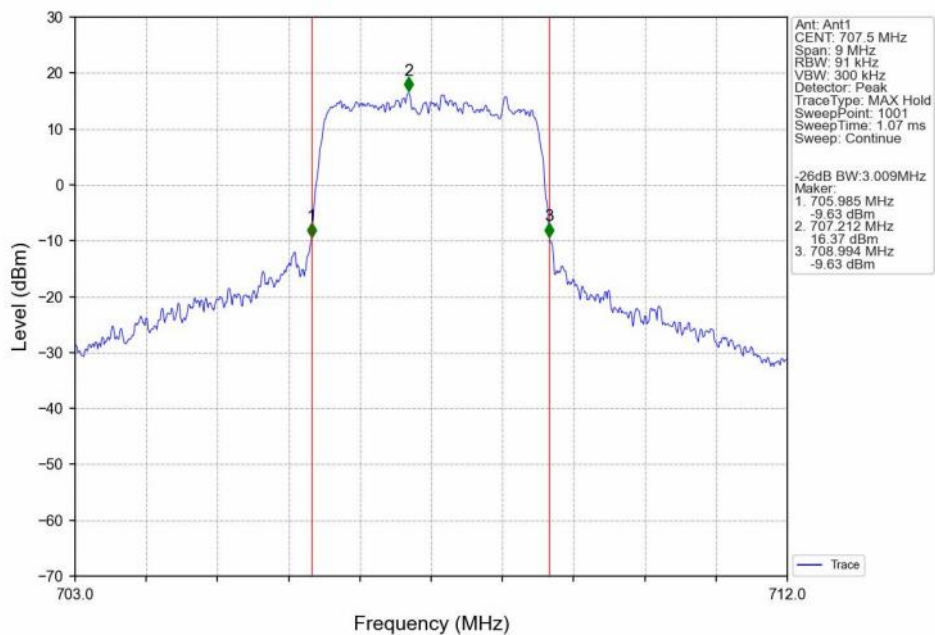
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



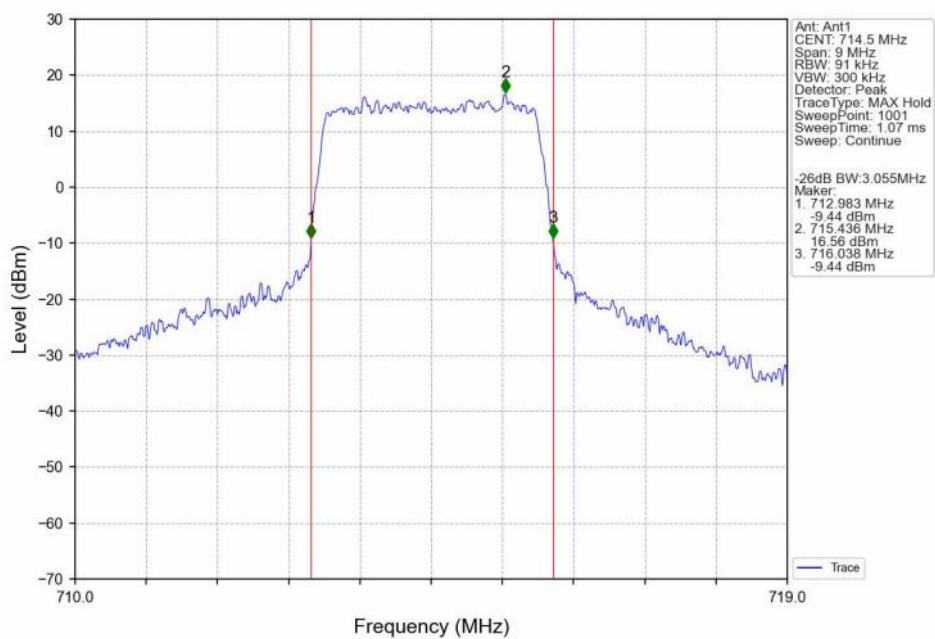
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



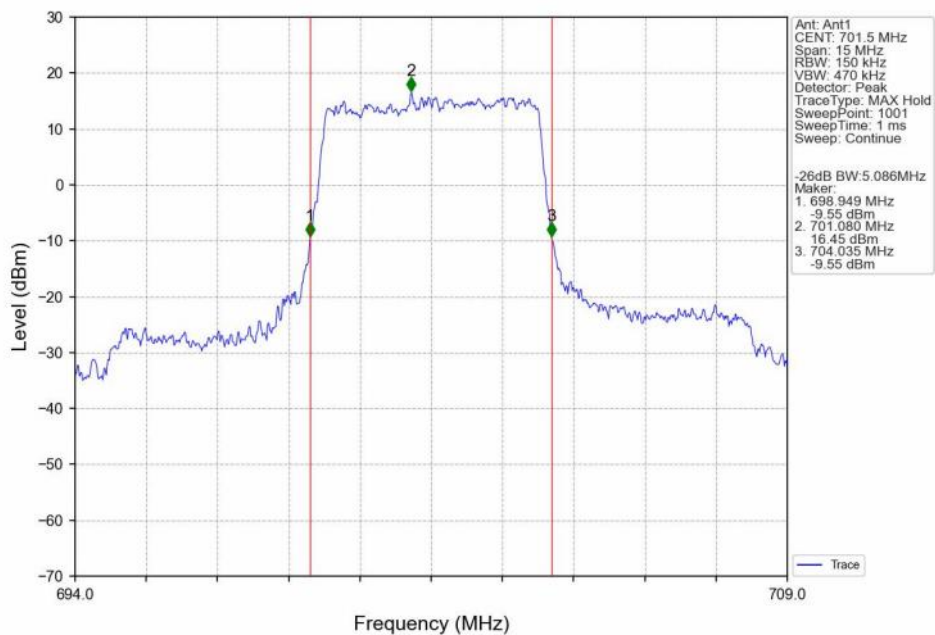
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



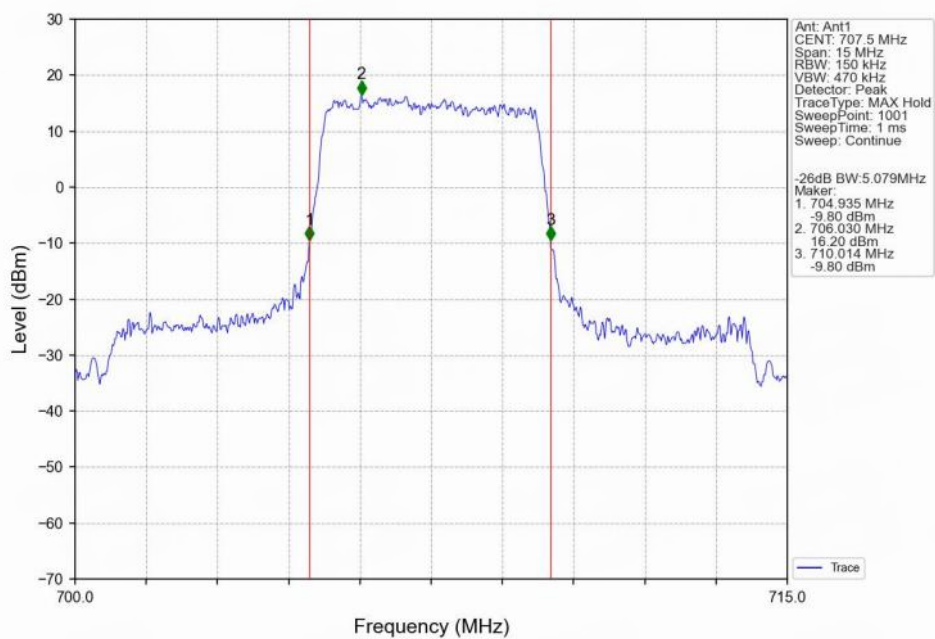
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV



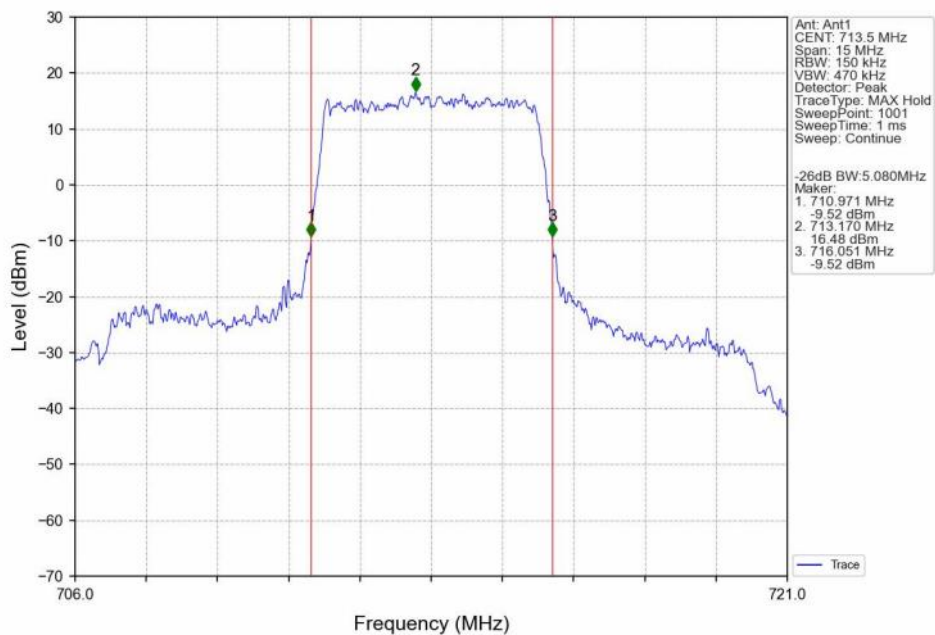
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



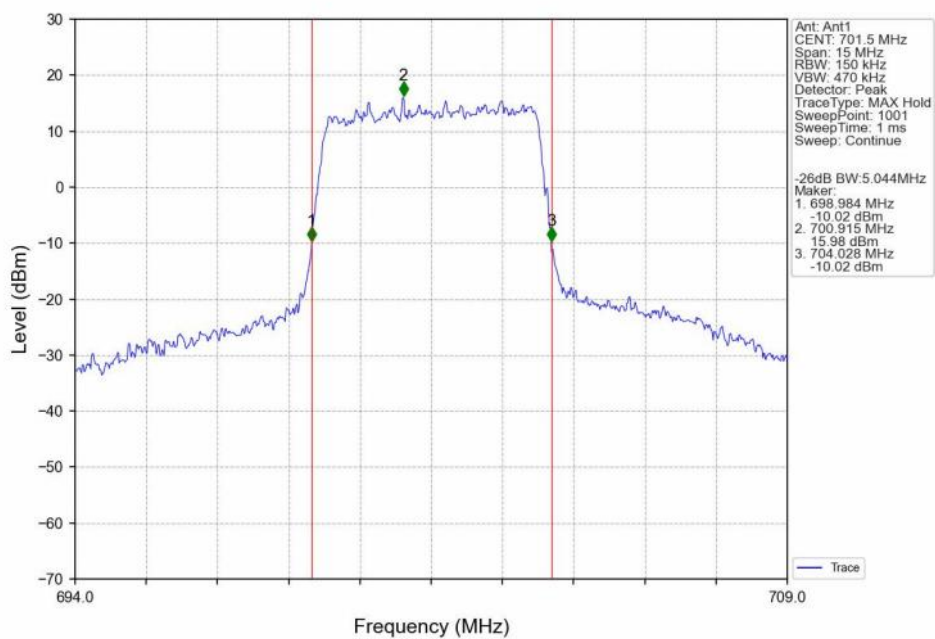
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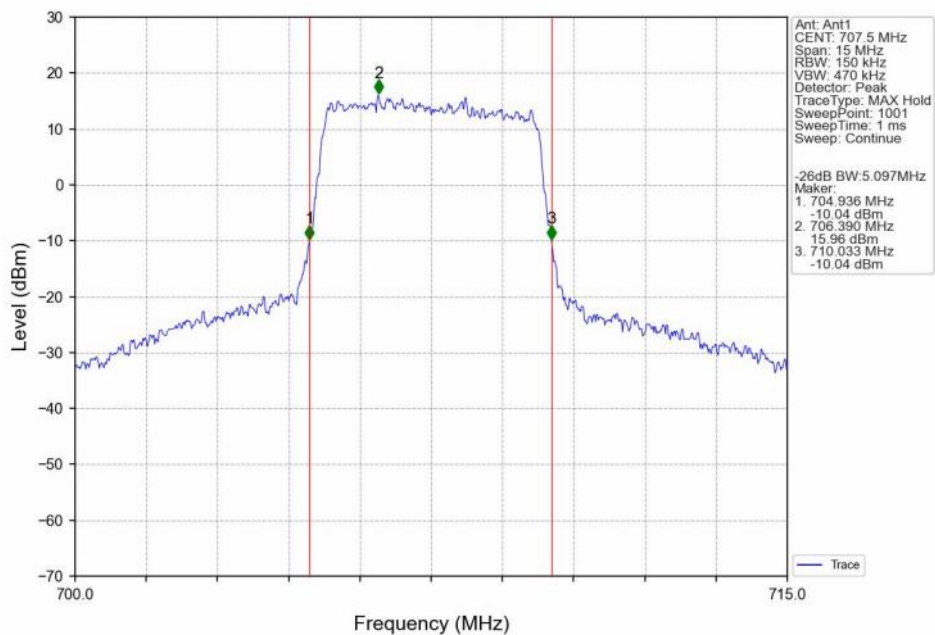
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



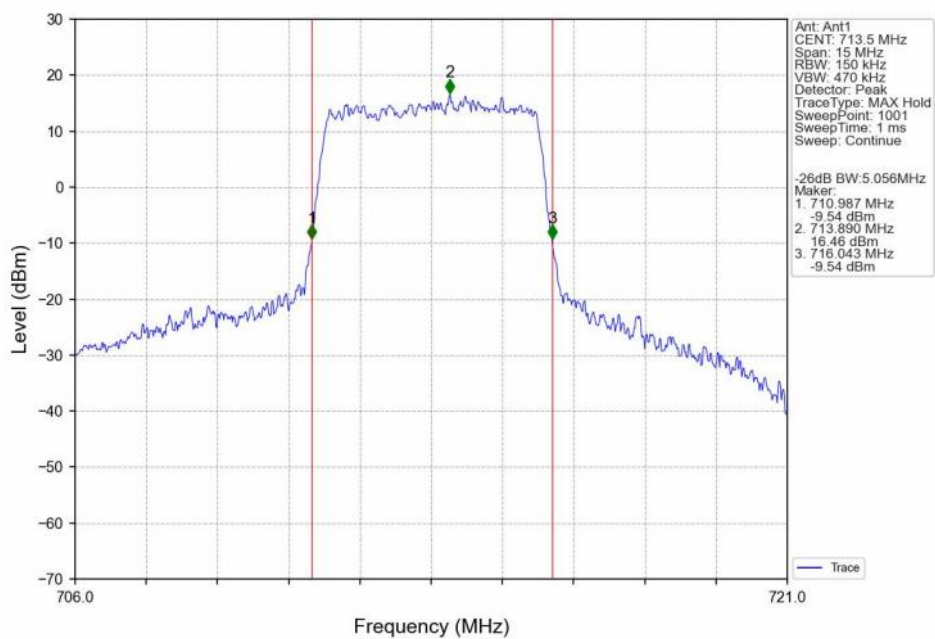
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



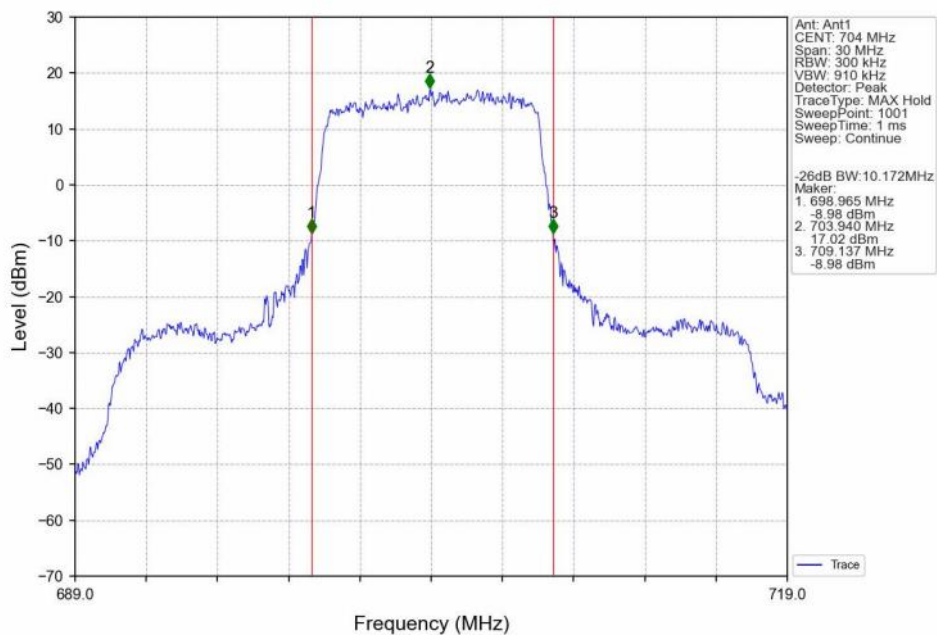
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV



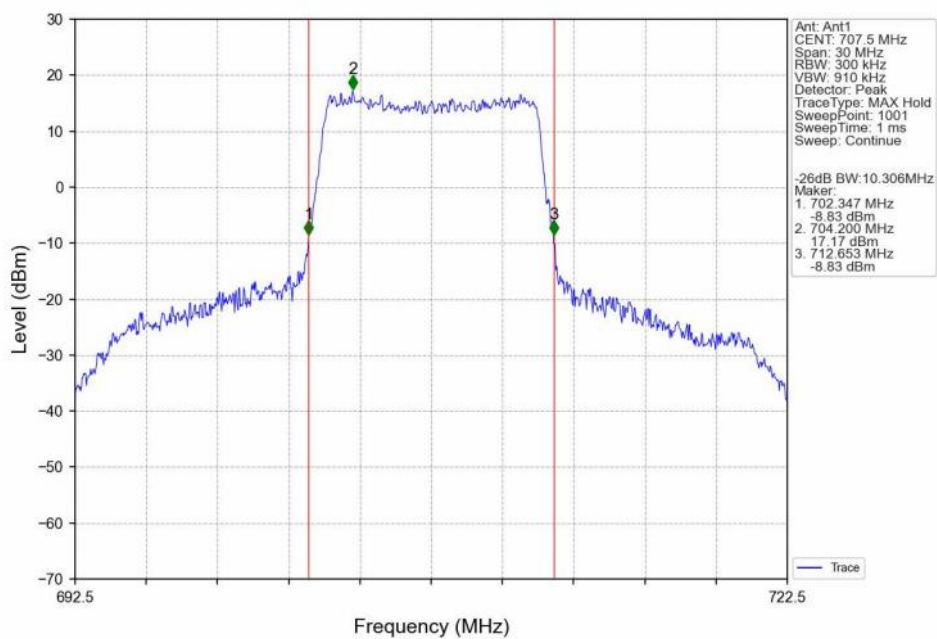
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



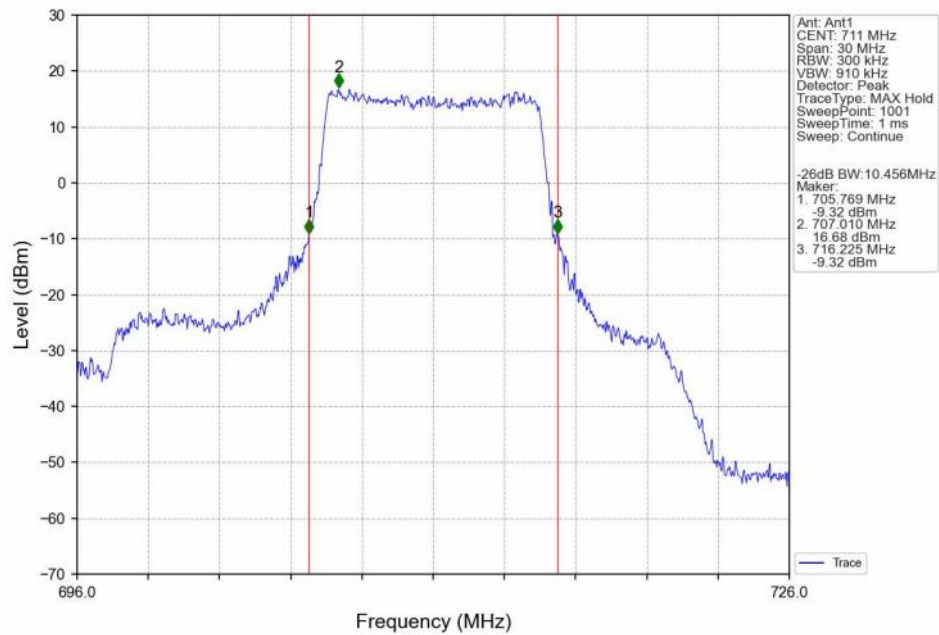
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



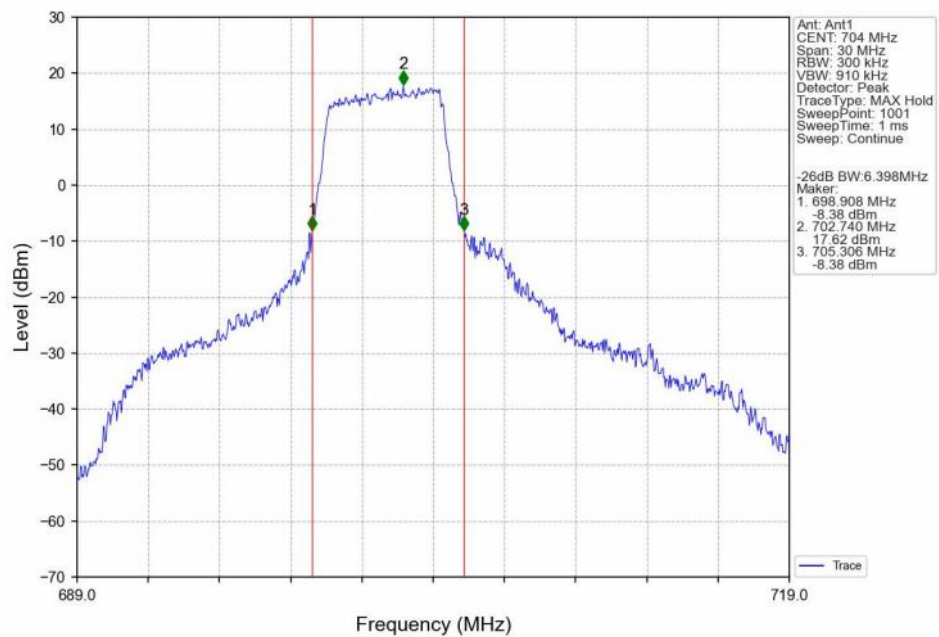
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



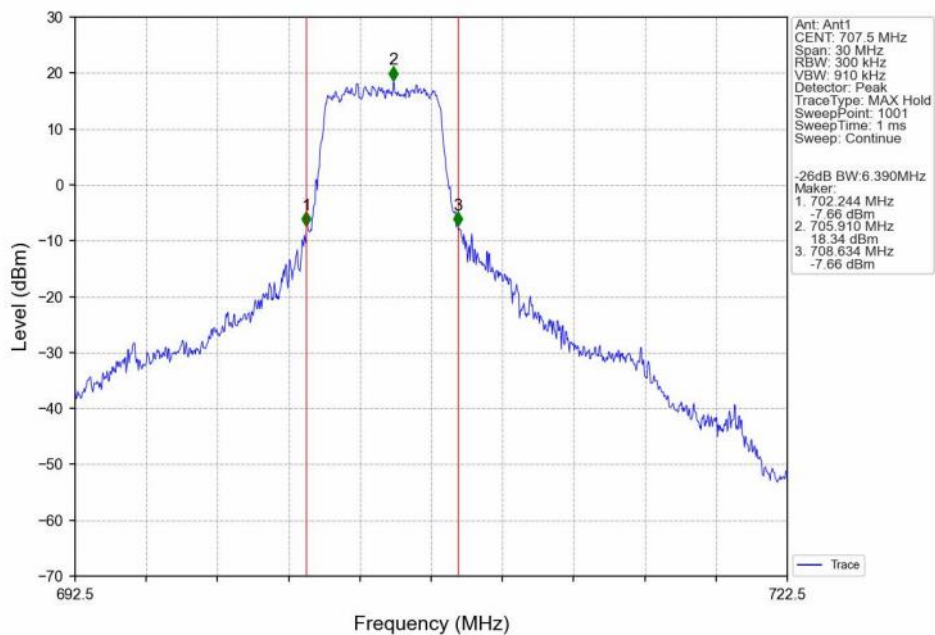
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



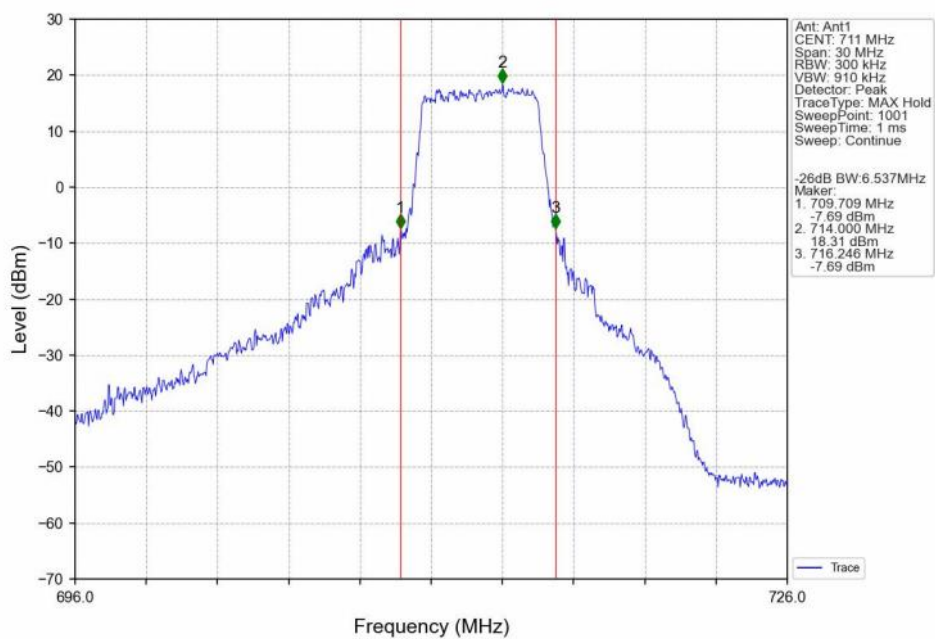
Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV



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	5.51	<=13	Pass
	707.5	6	0	5.37	<=13	Pass
	715.3	6	0	5.05	<=13	Pass
16QAM	699.7	6	0	5.51	<=13	Pass
	707.5	6	0	5.36	<=13	Pass
	715.3	6	0	5.06	<=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	5.62	<=13	Pass
	707.5	15	0	5.36	<=13	Pass
	714.5	15	0	5.09	<=13	Pass
16QAM	700.5	15	0	6.33	<=13	Pass
	707.5	15	0	6.10	<=13	Pass
	714.5	15	0	5.82	<=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	5.58	<=13	Pass
	707.5	25	0	5.39	<=13	Pass
	713.5	25	0	5.37	<=13	Pass
16QAM	701.5	25	0	6.14	<=13	Pass
	707.5	25	0	6.00	<=13	Pass
	713.5	25	0	6.08	<=13	Pass

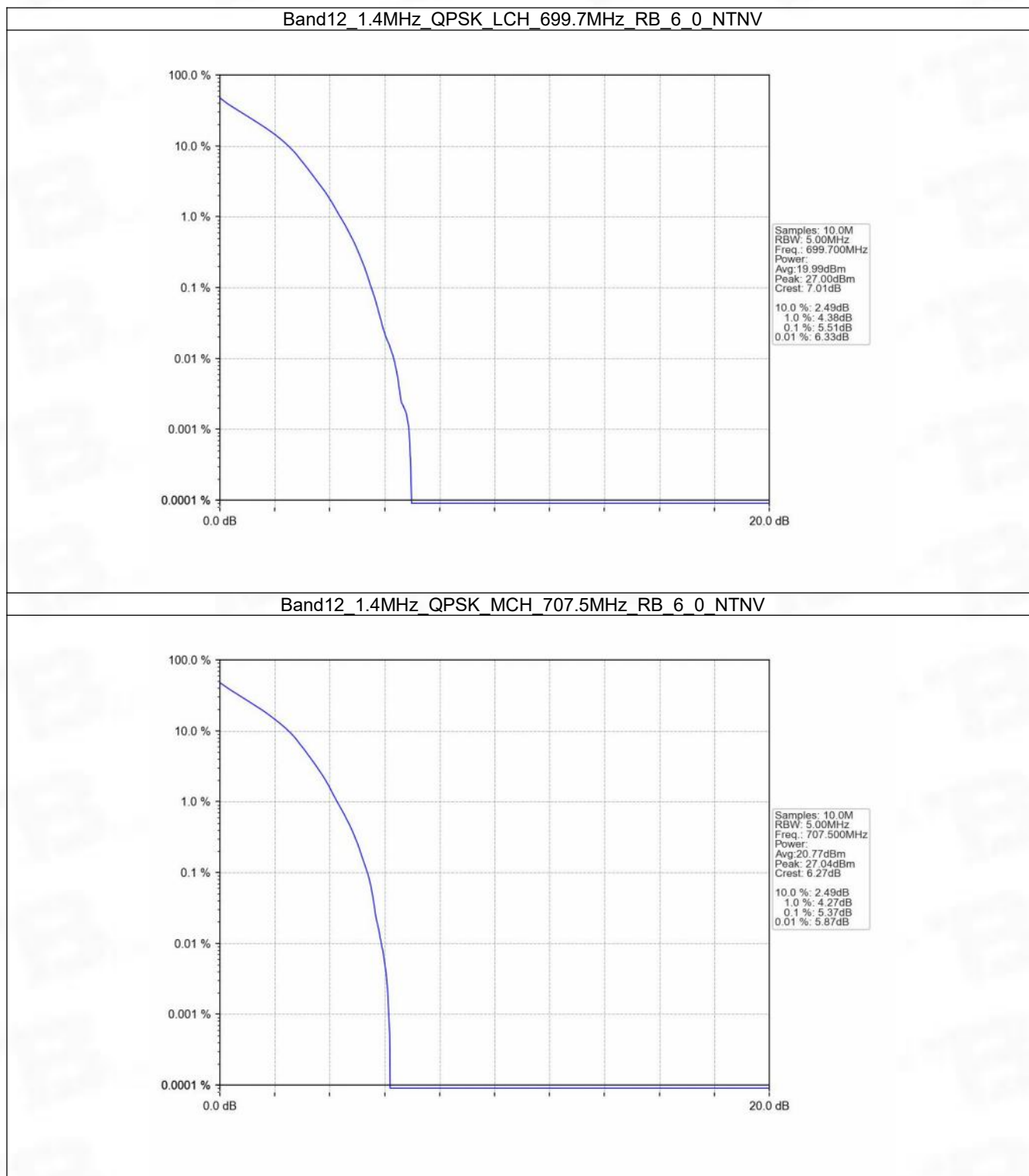
5.1.4 B12_10MHz

Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	704	50	0	5.23	<=13	Pass
	707.5	50	0	5.28	<=13	Pass
	711	50	0	5.66	<=13	Pass
16QAM	704	27	0	6.11	<=13	Pass
	707.5	27	0	5.97	<=13	Pass

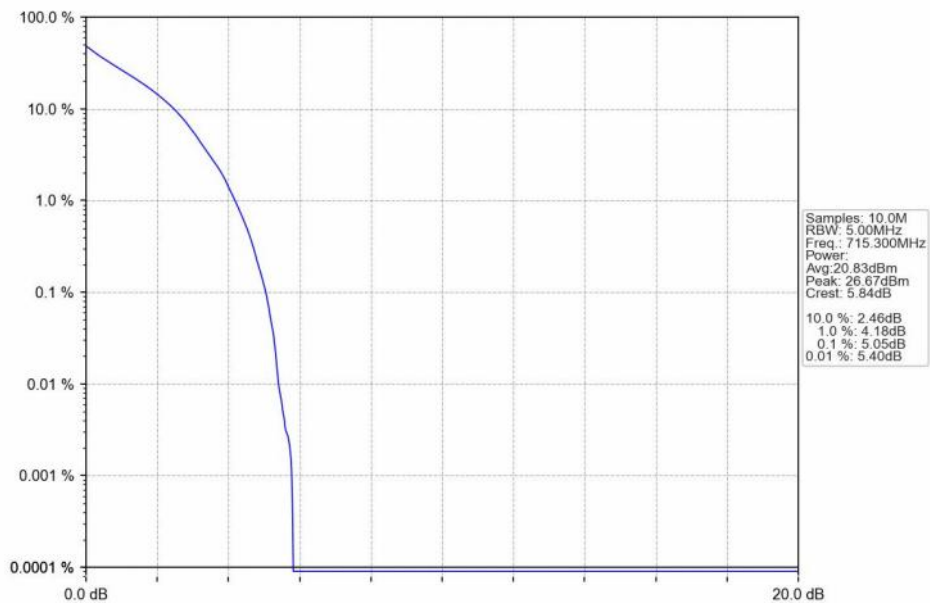
	711	27	23	6.00	<=13	Pass
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5.2 Test Graph

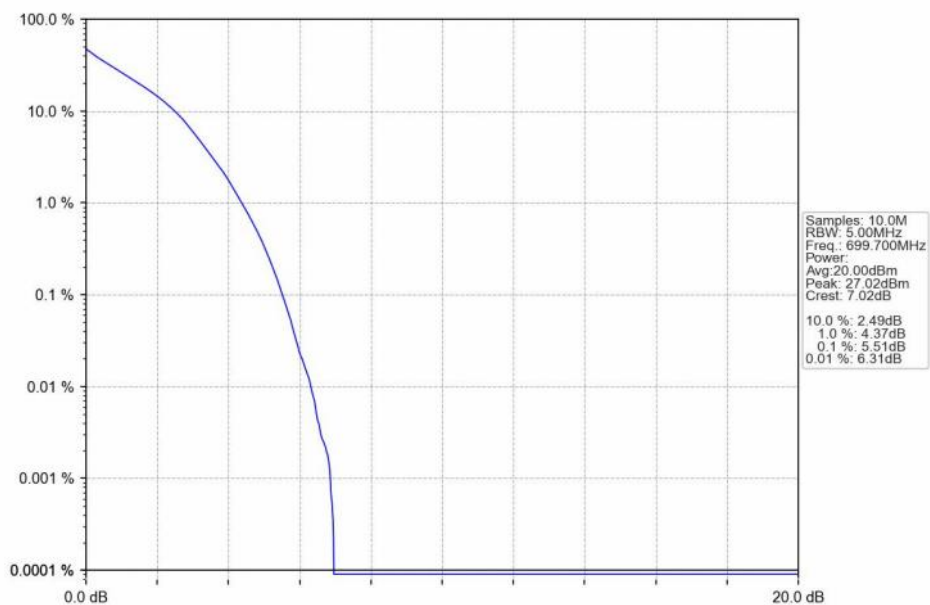
5.2.1 B12_1.4MHz



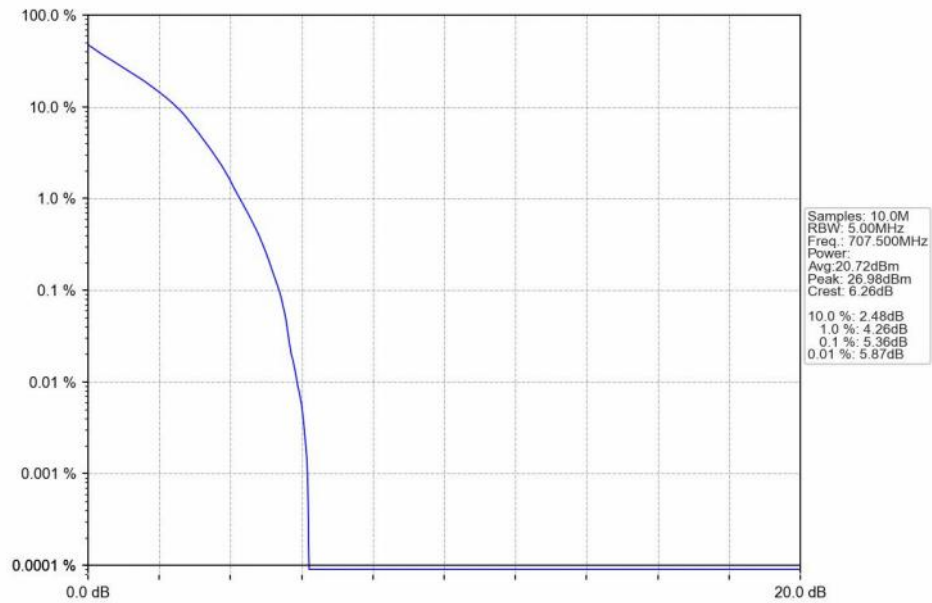
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



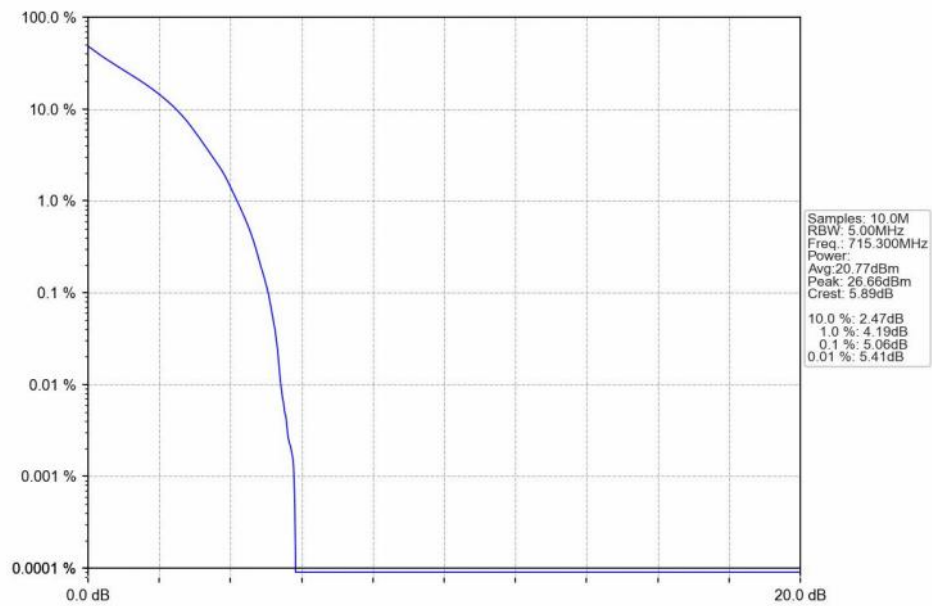
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



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

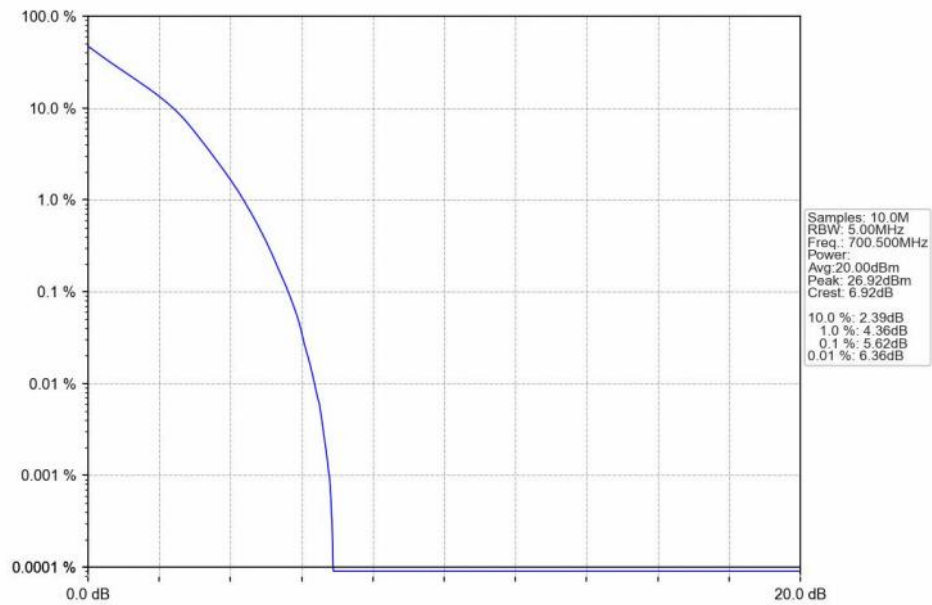


Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV

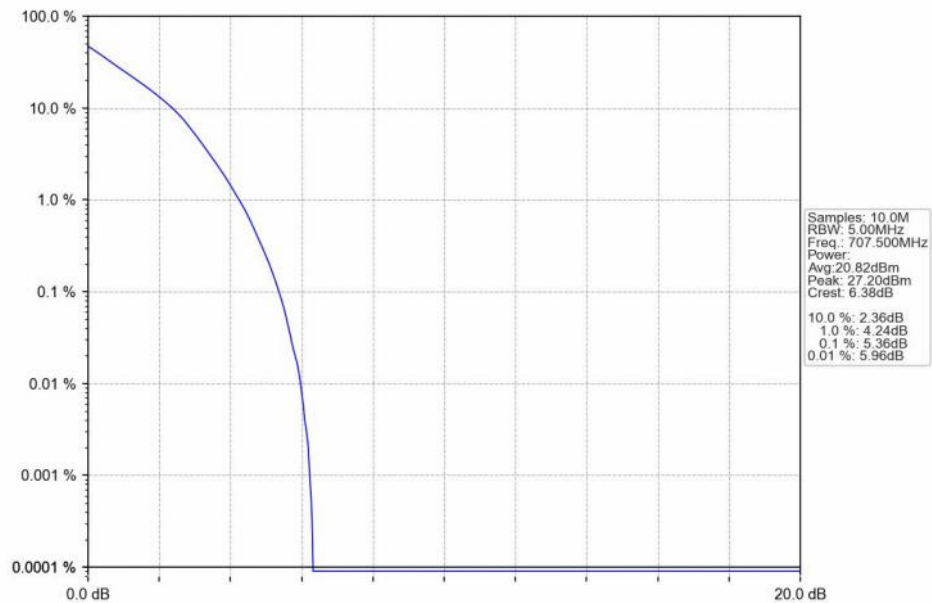


5.2.2 B12_3MHz

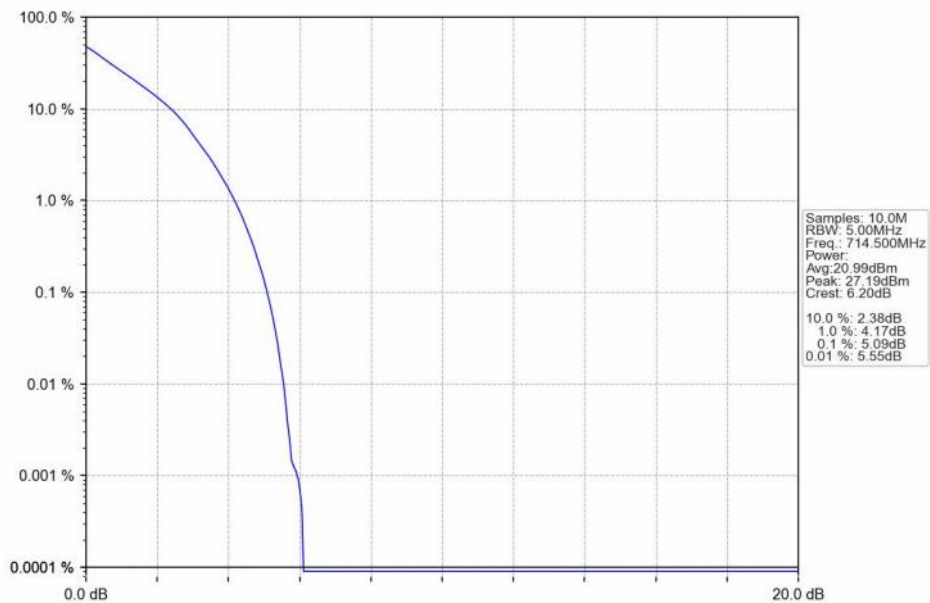
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



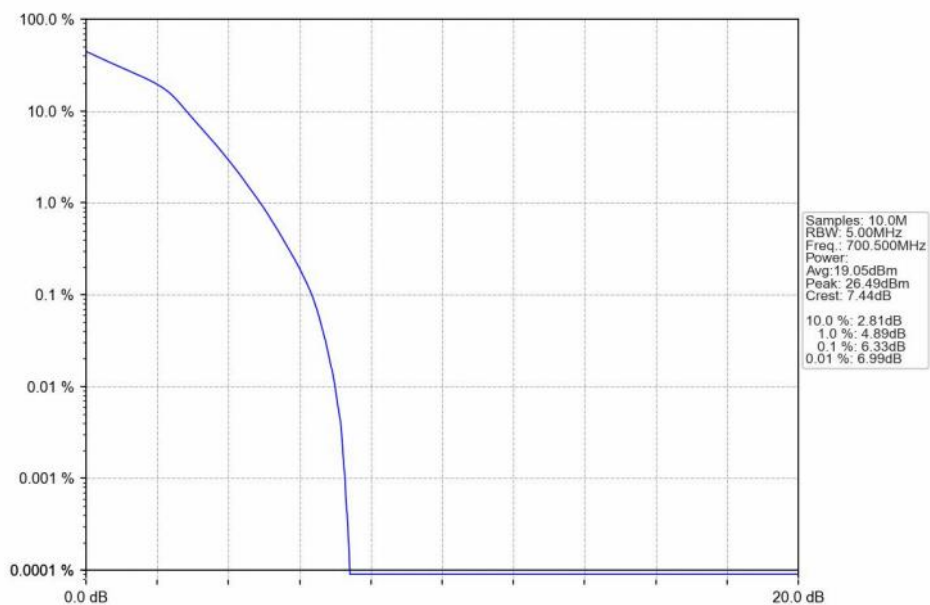
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



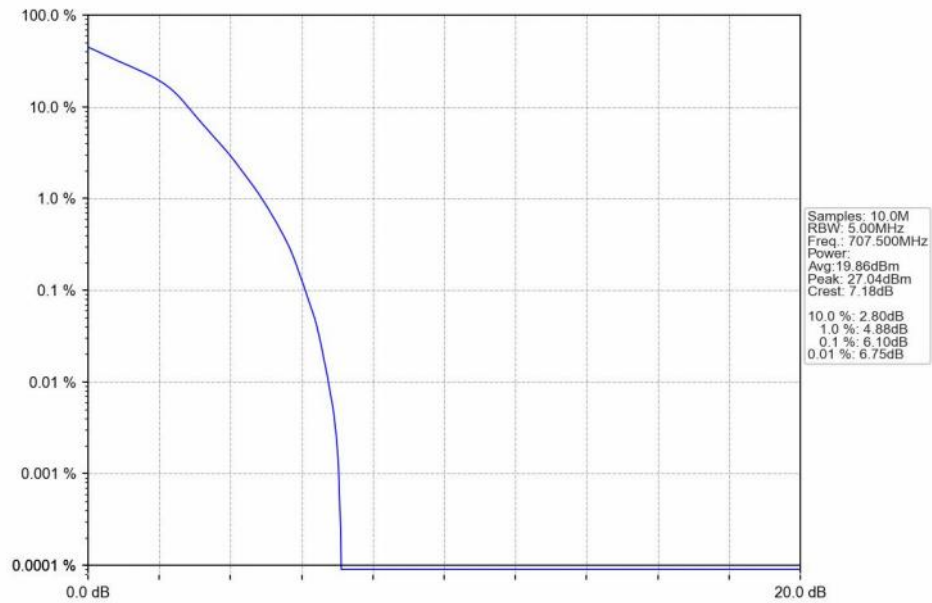
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



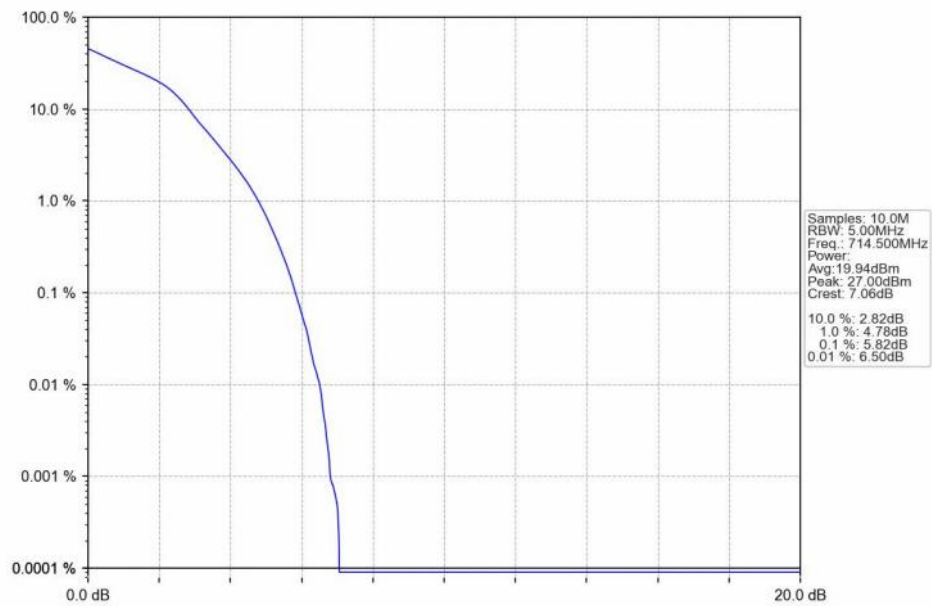
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

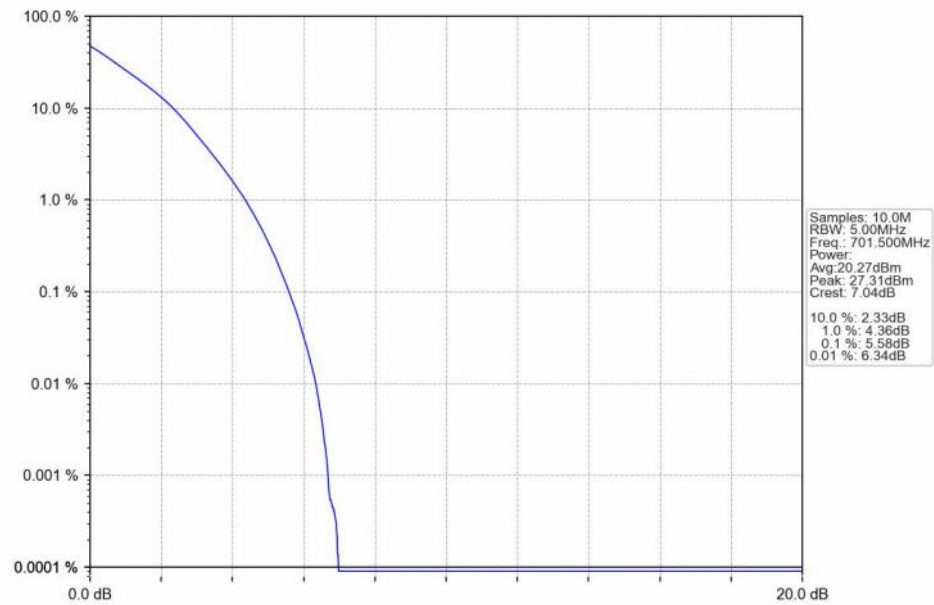


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

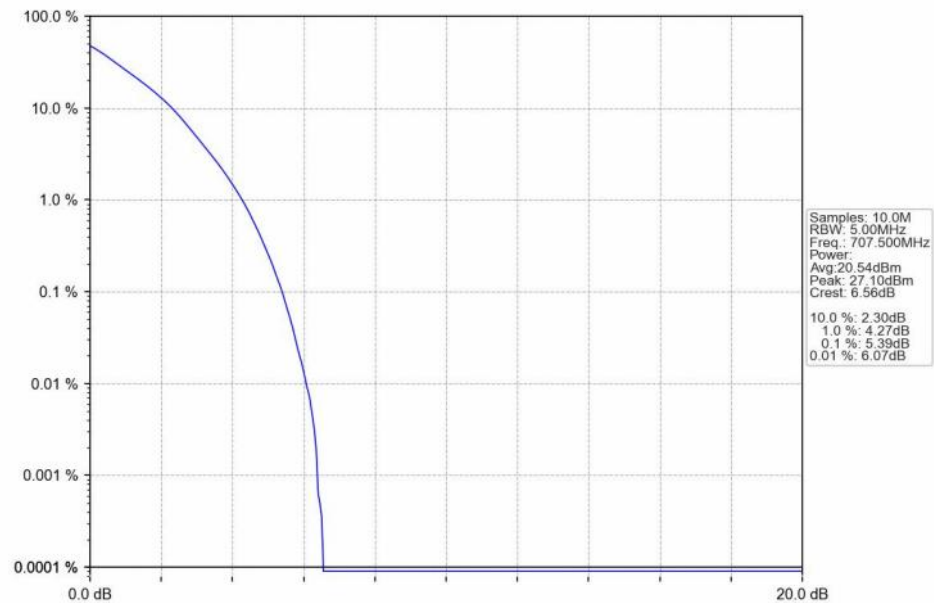


5.2.3 B12_5MHz

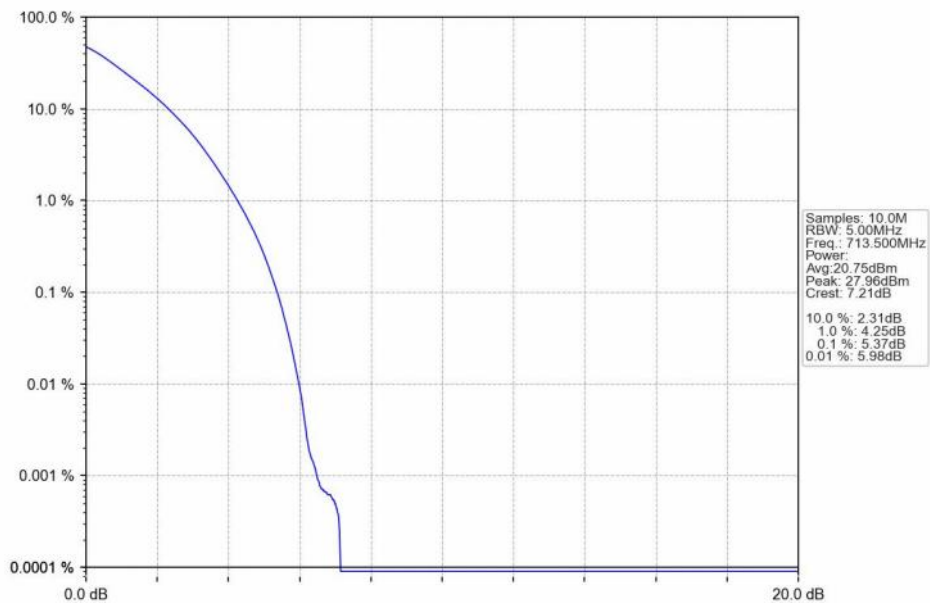
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



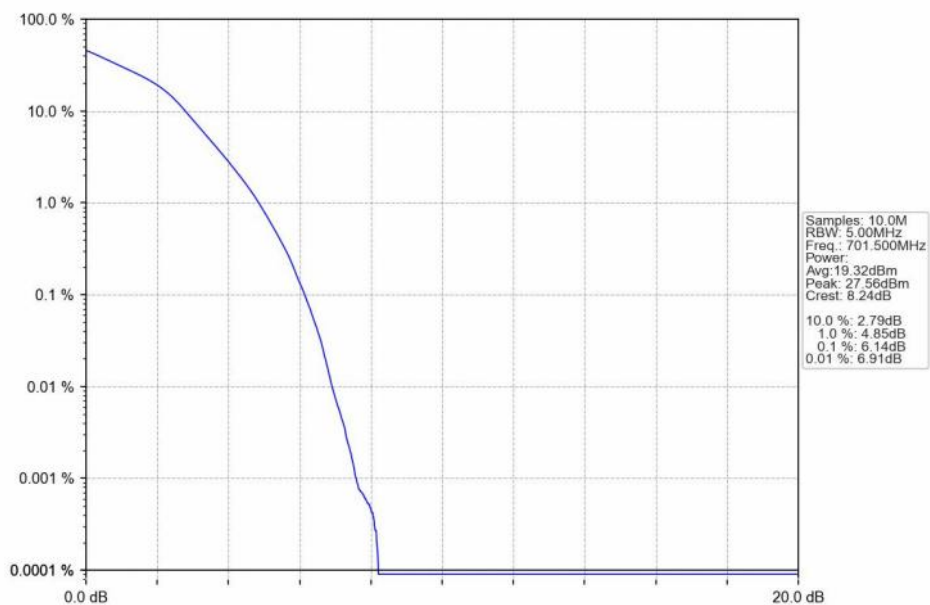
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



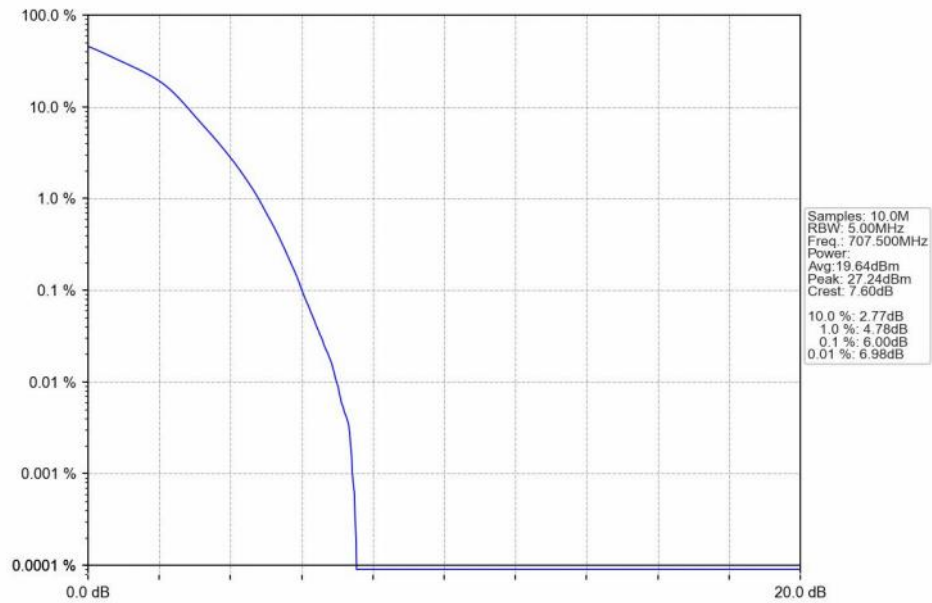
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



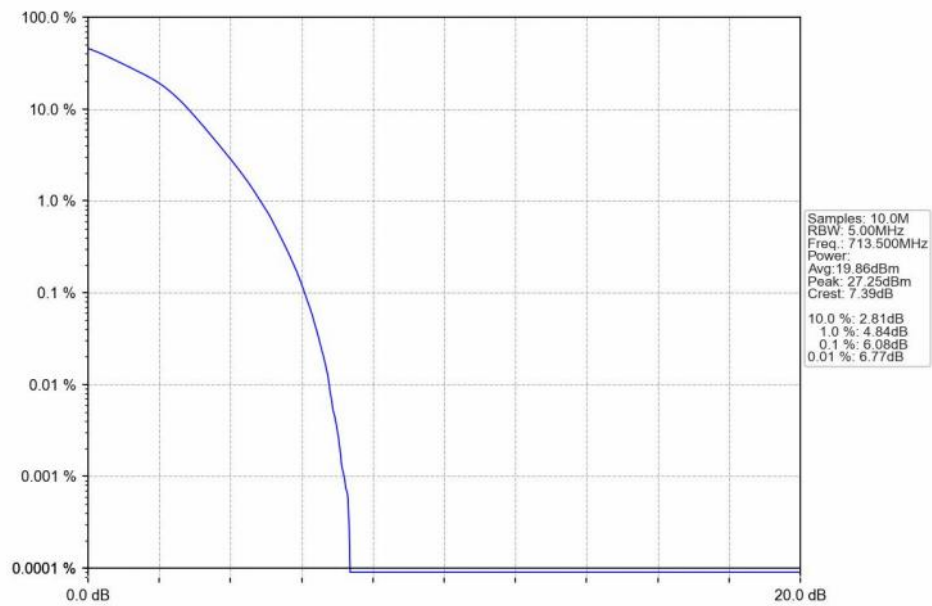
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV

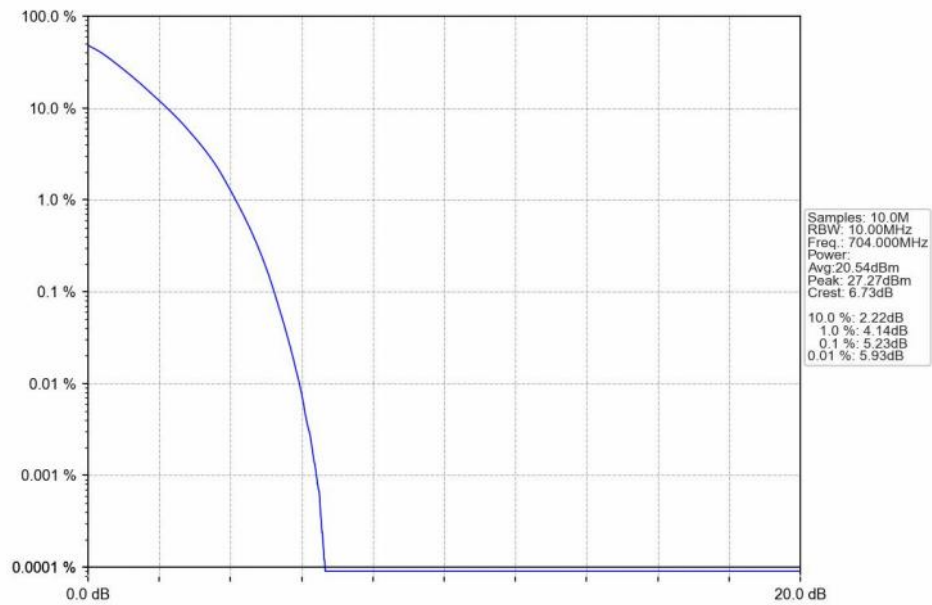


Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

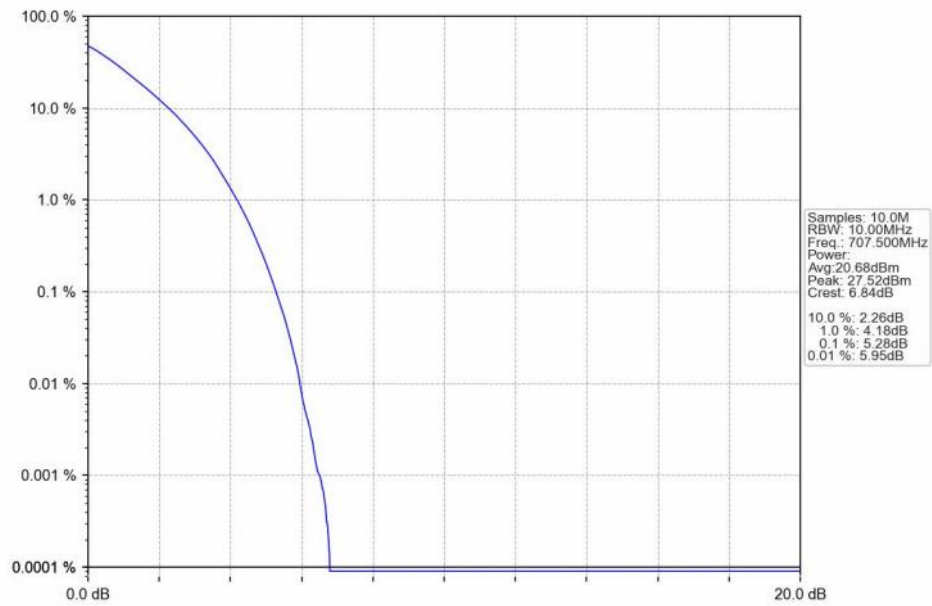


5.2.4 B12_10MHz

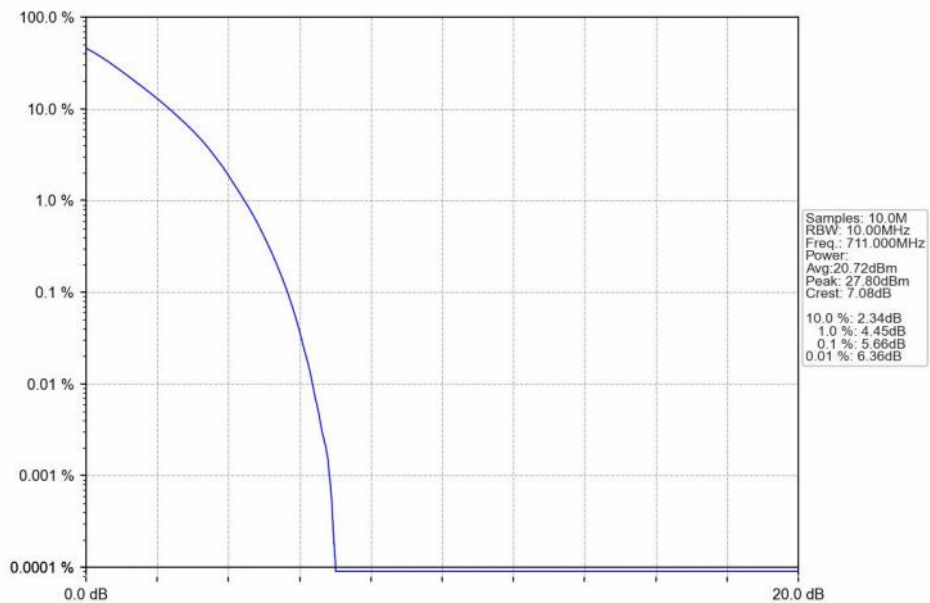
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



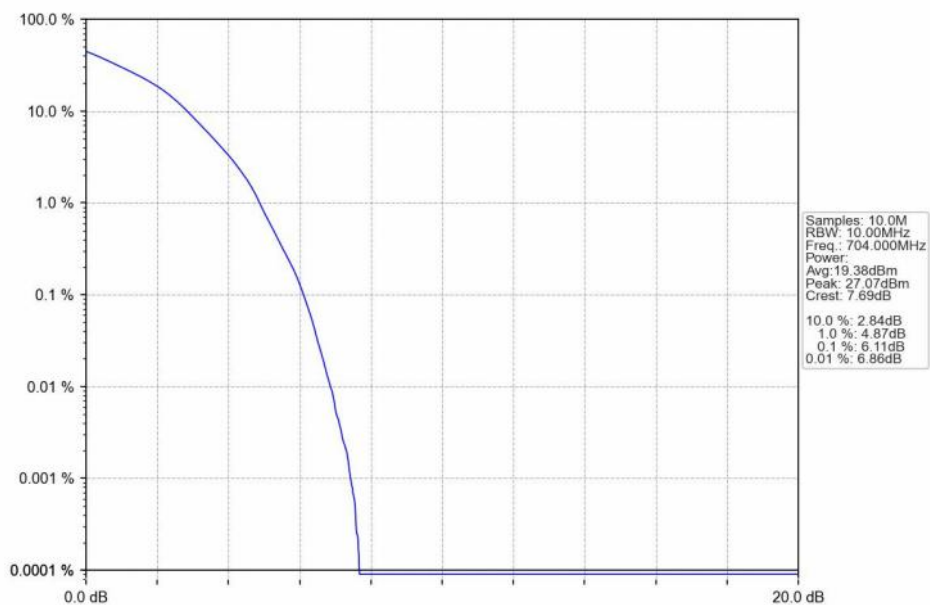
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



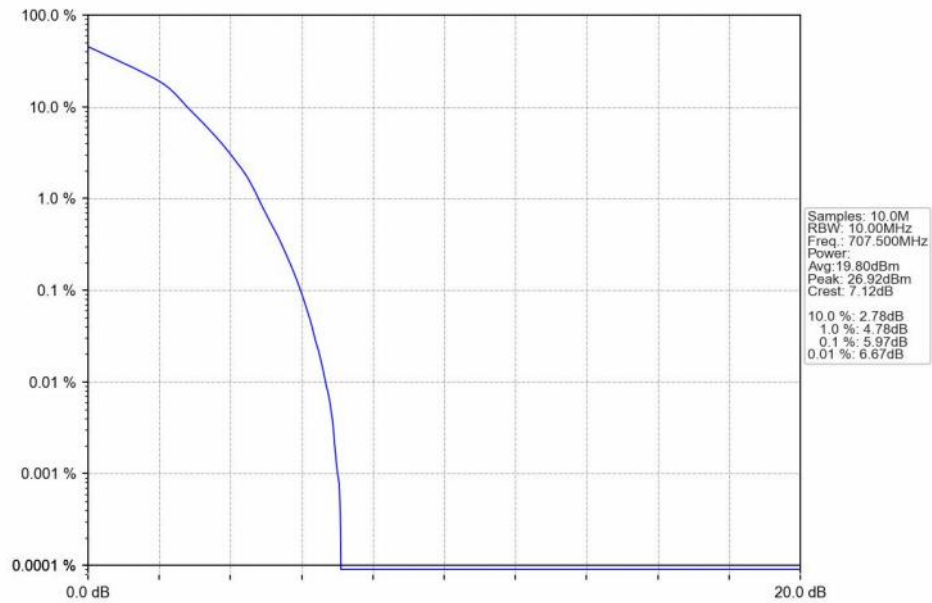
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



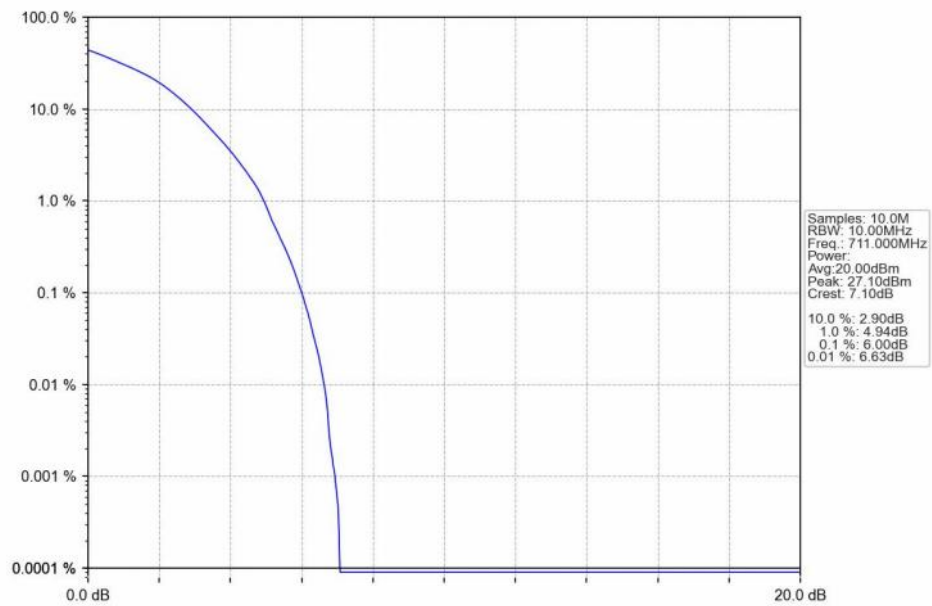
Band12_10MHz_16QAM_LCH_704MHz_RB_27_0_NTNV



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		Verdict
		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		Verdict
		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		Verdict
		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

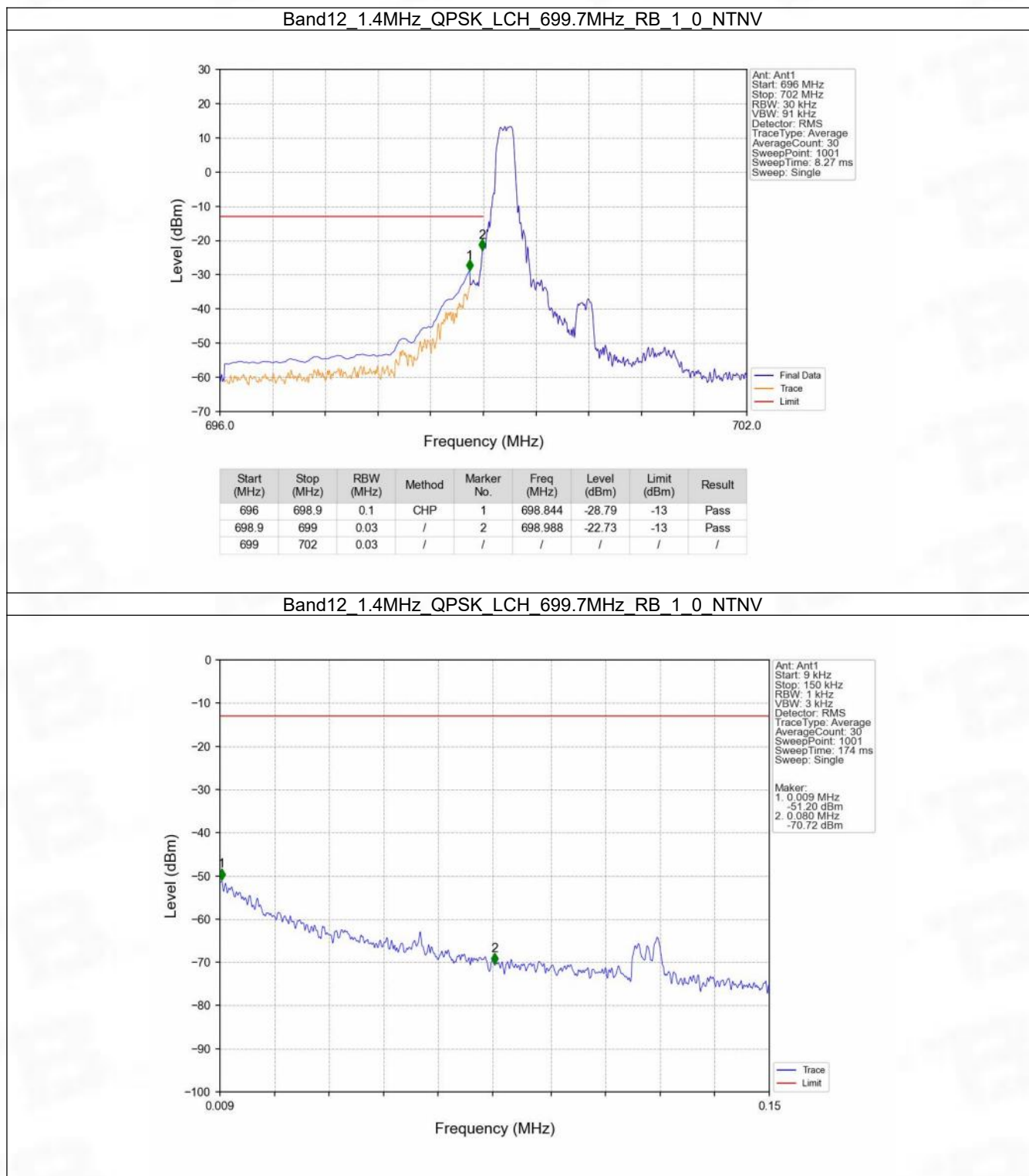
	707.5	25	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	713.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B12_10MHz

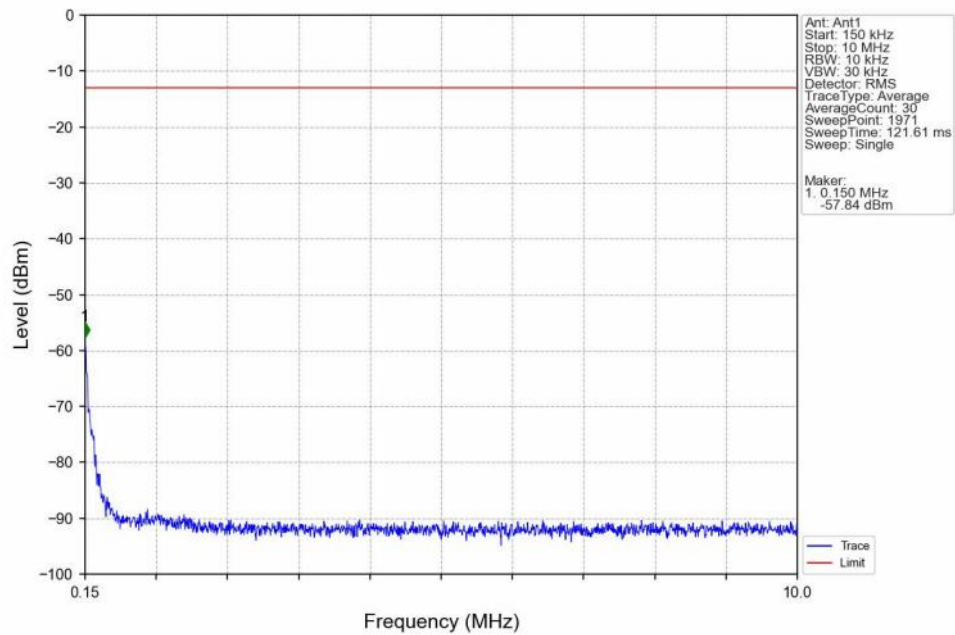
Band: 12 / Bandwidth: 10MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	704	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	711	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer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

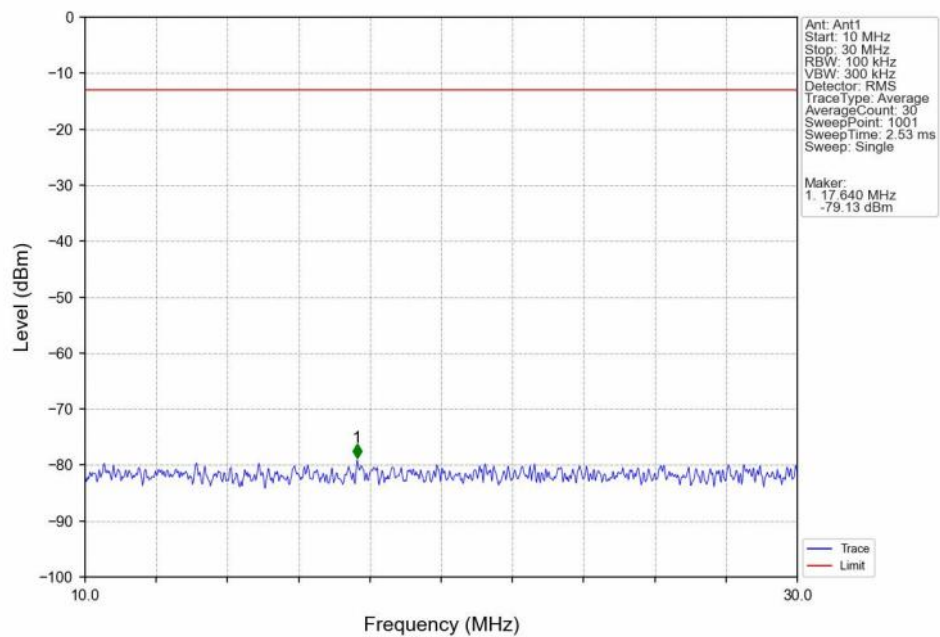
6.2.1 B12_1.4MHz



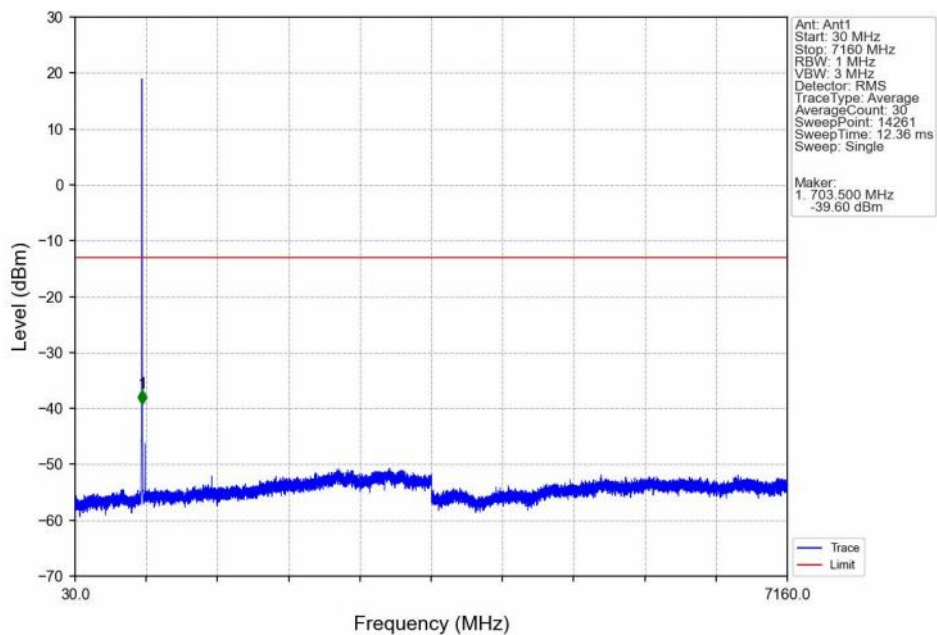
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



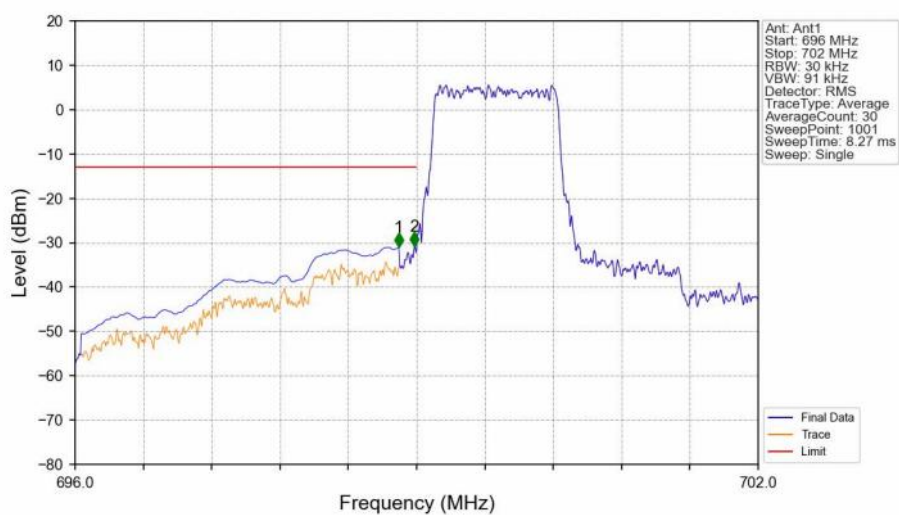
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV



Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_1_0_NTNV

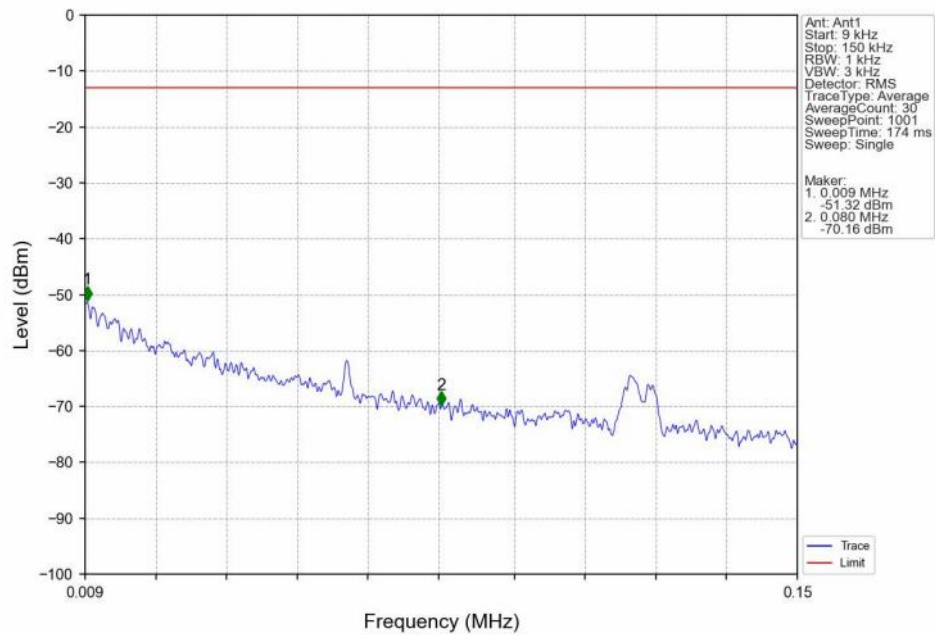


Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
696	698.9	0.1	CHP	1	698.844	-30.96	-13	Pass
698.9	699	0.03	/	2	698.982	-30.81	-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

