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1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result Ant0

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band 12	1.4MHz	QPSK	L	1RB0	23.88	22.08	34.77	PASS
Band 12	1.4MHz	QPSK	L	1RB2	23.92	22.12	34.77	PASS
Band 12	1.4MHz	QPSK	L	1RB5	23.89	22.09	34.77	PASS
Band 12	1.4MHz	QPSK	L	3RB0	23.89	22.09	34.77	PASS
Band 12	1.4MHz	QPSK	L	3RB2	23.96	22.16	34.77	PASS
Band 12	1.4MHz	QPSK	L	3RB3	23.93	22.13	34.77	PASS
Band 12	1.4MHz	QPSK	L	6RB0	22.96	21.16	34.77	PASS
Band 12	1.4MHz	QPSK	M	1RB0	24.1	22.3	34.77	PASS
Band 12	1.4MHz	QPSK	M	1RB2	24.1	22.3	34.77	PASS
Band 12	1.4MHz	QPSK	M	1RB5	24.07	22.27	34.77	PASS
Band 12	1.4MHz	QPSK	M	3RB0	24.08	22.28	34.77	PASS
Band 12	1.4MHz	QPSK	M	3RB2	24.06	22.26	34.77	PASS
Band 12	1.4MHz	QPSK	M	3RB3	24.05	22.25	34.77	PASS
Band 12	1.4MHz	QPSK	M	6RB0	23.13	21.33	34.77	PASS
Band 12	1.4MHz	QPSK	H	1RB0	24.24	22.44	34.77	PASS
Band 12	1.4MHz	QPSK	H	1RB2	24.22	22.42	34.77	PASS
Band 12	1.4MHz	QPSK	H	1RB5	24.2	22.4	34.77	PASS
Band 12	1.4MHz	QPSK	H	3RB0	24.21	22.41	34.77	PASS
Band 12	1.4MHz	QPSK	H	3RB2	24.19	22.39	34.77	PASS
Band 12	1.4MHz	QPSK	H	3RB3	24.23	22.43	34.77	PASS
Band 12	1.4MHz	QPSK	H	6RB0	23.26	21.46	34.77	PASS

Band 12	1.4MHz	16QAM	L	1RB0	23.06	21.26	34.77	PASS
Band 12	1.4MHz	16QAM	L	1RB2	23.03	21.23	34.77	PASS
Band 12	1.4MHz	16QAM	L	1RB5	23.11	21.31	34.77	PASS
Band 12	1.4MHz	16QAM	L	3RB0	22.96	21.16	34.77	PASS
Band 12	1.4MHz	16QAM	L	3RB2	22.93	21.13	34.77	PASS
Band 12	1.4MHz	16QAM	L	3RB3	22.98	21.18	34.77	PASS
Band 12	1.4MHz	16QAM	L	6RB0	21.96	20.16	34.77	PASS
Band 12	1.4MHz	16QAM	M	1RB0	23.22	21.42	34.77	PASS
Band 12	1.4MHz	16QAM	M	1RB2	23.25	21.45	34.77	PASS
Band 12	1.4MHz	16QAM	M	1RB5	23.27	21.47	34.77	PASS
Band 12	1.4MHz	16QAM	M	3RB0	23.19	21.39	34.77	PASS
Band 12	1.4MHz	16QAM	M	3RB2	23.16	21.36	34.77	PASS
Band 12	1.4MHz	16QAM	M	3RB3	23.17	21.37	34.77	PASS
Band 12	1.4MHz	16QAM	M	6RB0	22.15	20.35	34.77	PASS
Band 12	1.4MHz	16QAM	H	1RB0	23.37	21.57	34.77	PASS
Band 12	1.4MHz	16QAM	H	1RB2	23.28	21.48	34.77	PASS
Band 12	1.4MHz	16QAM	H	1RB5	23.31	21.51	34.77	PASS
Band 12	1.4MHz	16QAM	H	3RB0	23.31	21.51	34.77	PASS
Band 12	1.4MHz	16QAM	H	3RB2	23.31	21.51	34.77	PASS
Band 12	1.4MHz	16QAM	H	3RB3	23.32	21.52	34.77	PASS
Band 12	1.4MHz	16QAM	H	6RB0	22.3	20.5	34.77	PASS
Band 12	1.4MHz	64QAM	L	1RB0	22.12	20.32	34.77	PASS
Band 12	1.4MHz	64QAM	L	1RB2	22.22	20.42	34.77	PASS
Band 12	1.4MHz	64QAM	L	1RB5	22.15	20.35	34.77	PASS
Band 12	1.4MHz	64QAM	L	3RB0	22	20.2	34.77	PASS

Band 12	1.4MHz	64QAM	L	3RB2	22.04	20.24	34.77	PASS
Band 12	1.4MHz	64QAM	L	3RB3	22.01	20.21	34.77	PASS
Band 12	1.4MHz	64QAM	L	6RB0	20.94	19.14	34.77	PASS
Band 12	1.4MHz	64QAM	M	1RB0	22.28	20.48	34.77	PASS
Band 12	1.4MHz	64QAM	M	1RB2	22.35	20.55	34.77	PASS
Band 12	1.4MHz	64QAM	M	1RB5	22.33	20.53	34.77	PASS
Band 12	1.4MHz	64QAM	M	3RB0	22.17	20.37	34.77	PASS
Band 12	1.4MHz	64QAM	M	3RB2	22.17	20.37	34.77	PASS
Band 12	1.4MHz	64QAM	M	3RB3	22.2	20.4	34.77	PASS
Band 12	1.4MHz	64QAM	M	6RB0	21.17	19.37	34.77	PASS
Band 12	1.4MHz	64QAM	H	1RB0	22.36	20.56	34.77	PASS
Band 12	1.4MHz	64QAM	H	1RB2	22.38	20.58	34.77	PASS
Band 12	1.4MHz	64QAM	H	1RB5	22.35	20.55	34.77	PASS
Band 12	1.4MHz	64QAM	H	3RB0	22.3	20.5	34.77	PASS
Band 12	1.4MHz	64QAM	H	3RB2	22.29	20.49	34.77	PASS
Band 12	1.4MHz	64QAM	H	3RB3	22.35	20.55	34.77	PASS
Band 12	1.4MHz	64QAM	H	6RB0	21.28	19.48	34.77	PASS
Band 12	3MHz	QPSK	L	1RB0	23.91	22.11	34.77	PASS
Band 12	3MHz	QPSK	L	1RB7	23.99	22.19	34.77	PASS
Band 12	3MHz	QPSK	L	1RB14	23.92	22.12	34.77	PASS
Band 12	3MHz	QPSK	L	8RB0	23	21.2	34.77	PASS
Band 12	3MHz	QPSK	L	8RB4	23	21.2	34.77	PASS
Band 12	3MHz	QPSK	L	8RB7	23.03	21.23	34.77	PASS
Band 12	3MHz	QPSK	L	15RB0	23.01	21.21	34.77	PASS
Band 12	3MHz	QPSK	M	1RB0	24.04	22.24	34.77	PASS

Band 12	3MHz	QPSK	M	1RB7	24.23	22.43	34.77	PASS
Band 12	3MHz	QPSK	M	1RB14	24.1	22.3	34.77	PASS
Band 12	3MHz	QPSK	M	8RB0	23.05	21.25	34.77	PASS
Band 12	3MHz	QPSK	M	8RB4	23.17	21.37	34.77	PASS
Band 12	3MHz	QPSK	M	8RB7	23.16	21.36	34.77	PASS
Band 12	3MHz	QPSK	M	15RB0	23.16	21.36	34.77	PASS
Band 12	3MHz	QPSK	H	1RB0	24.2	22.4	34.77	PASS
Band 12	3MHz	QPSK	H	1RB7	24.41	22.61	34.77	PASS
Band 12	3MHz	QPSK	H	1RB14	24.19	22.39	34.77	PASS
Band 12	3MHz	QPSK	H	8RB0	23.17	21.37	34.77	PASS
Band 12	3MHz	QPSK	H	8RB4	23.31	21.51	34.77	PASS
Band 12	3MHz	QPSK	H	8RB7	23.27	21.47	34.77	PASS
Band 12	3MHz	QPSK	H	15RB0	23.18	21.38	34.77	PASS
Band 12	3MHz	16QAM	L	1RB0	23.07	21.27	34.77	PASS
Band 12	3MHz	16QAM	L	1RB7	23.24	21.44	34.77	PASS
Band 12	3MHz	16QAM	L	1RB14	23.12	21.32	34.77	PASS
Band 12	3MHz	16QAM	L	8RB0	22.03	20.23	34.77	PASS
Band 12	3MHz	16QAM	L	8RB4	22.02	20.22	34.77	PASS
Band 12	3MHz	16QAM	L	8RB7	22.02	20.22	34.77	PASS
Band 12	3MHz	16QAM	L	15RB0	22.01	20.21	34.77	PASS
Band 12	3MHz	16QAM	M	1RB0	23.24	21.44	34.77	PASS
Band 12	3MHz	16QAM	M	1RB7	23.31	21.51	34.77	PASS
Band 12	3MHz	16QAM	M	1RB14	23.25	21.45	34.77	PASS
Band 12	3MHz	16QAM	M	8RB0	22.1	20.3	34.77	PASS
Band 12	3MHz	16QAM	M	8RB4	22.19	20.39	34.77	PASS

Band 12	3MHz	16QAM	M	8RB7	22.18	20.38	34.77	PASS
Band 12	3MHz	16QAM	M	15RB0	22.19	20.39	34.77	PASS
Band 12	3MHz	16QAM	H	1RB0	23.37	21.57	34.77	PASS
Band 12	3MHz	16QAM	H	1RB7	23.45	21.65	34.77	PASS
Band 12	3MHz	16QAM	H	1RB14	23.38	21.58	34.77	PASS
Band 12	3MHz	16QAM	H	8RB0	22.23	20.43	34.77	PASS
Band 12	3MHz	16QAM	H	8RB4	22.34	20.54	34.77	PASS
Band 12	3MHz	16QAM	H	8RB7	22.3	20.5	34.77	PASS
Band 12	3MHz	16QAM	H	15RB0	22.22	20.42	34.77	PASS
Band 12	3MHz	64QAM	L	1RB0	22.08	20.28	34.77	PASS
Band 12	3MHz	64QAM	L	1RB7	22.19	20.39	34.77	PASS
Band 12	3MHz	64QAM	L	1RB14	22.07	20.27	34.77	PASS
Band 12	3MHz	64QAM	L	8RB0	21.03	19.23	34.77	PASS
Band 12	3MHz	64QAM	L	8RB4	21.05	19.25	34.77	PASS
Band 12	3MHz	64QAM	L	8RB7	21.03	19.23	34.77	PASS
Band 12	3MHz	64QAM	L	15RB0	21.01	19.21	34.77	PASS
Band 12	3MHz	64QAM	M	1RB0	22.15	20.35	34.77	PASS
Band 12	3MHz	64QAM	M	1RB7	22.42	20.62	34.77	PASS
Band 12	3MHz	64QAM	M	1RB14	22.37	20.57	34.77	PASS
Band 12	3MHz	64QAM	M	8RB0	21.12	19.32	34.77	PASS
Band 12	3MHz	64QAM	M	8RB4	21.23	19.43	34.77	PASS
Band 12	3MHz	64QAM	M	8RB7	21.19	19.39	34.77	PASS
Band 12	3MHz	64QAM	M	15RB0	21.18	19.38	34.77	PASS
Band 12	3MHz	64QAM	H	1RB0	22.43	20.63	34.77	PASS
Band 12	3MHz	64QAM	H	1RB7	22.52	20.72	34.77	PASS

Band 12	3MHz	64QAM	H	1RB14	22.31	20.51	34.77	PASS
Band 12	3MHz	64QAM	H	8RB0	21.23	19.43	34.77	PASS
Band 12	3MHz	64QAM	H	8RB4	21.32	19.52	34.77	PASS
Band 12	3MHz	64QAM	H	8RB7	21.27	19.47	34.77	PASS
Band 12	3MHz	64QAM	H	15RB0	21.22	19.42	34.77	PASS
Band 12	5MHz	QPSK	L	1RB0	24.03	22.23	34.77	PASS
Band 12	5MHz	QPSK	L	1RB13	24.05	22.25	34.77	PASS
Band 12	5MHz	QPSK	L	1RB24	24.03	22.23	34.77	PASS
Band 12	5MHz	QPSK	L	12RB0	23.08	21.28	34.77	PASS
Band 12	5MHz	QPSK	L	12RB6	23.09	21.29	34.77	PASS
Band 12	5MHz	QPSK	L	12RB13	23.08	21.28	34.77	PASS
Band 12	5MHz	QPSK	L	25RB0	23.07	21.27	34.77	PASS
Band 12	5MHz	QPSK	M	1RB0	24.15	22.35	34.77	PASS
Band 12	5MHz	QPSK	M	1RB13	24.27	22.47	34.77	PASS
Band 12	5MHz	QPSK	M	1RB24	24.11	22.31	34.77	PASS
Band 12	5MHz	QPSK	M	12RB0	23.08	21.28	34.77	PASS
Band 12	5MHz	QPSK	M	12RB6	23.19	21.39	34.77	PASS
Band 12	5MHz	QPSK	M	12RB13	23.17	21.37	34.77	PASS
Band 12	5MHz	QPSK	M	25RB0	23.17	21.37	34.77	PASS
Band 12	5MHz	QPSK	H	1RB0	24.3	22.5	34.77	PASS
Band 12	5MHz	QPSK	H	1RB13	24.4	22.6	34.77	PASS
Band 12	5MHz	QPSK	H	1RB24	24.31	22.51	34.77	PASS
Band 12	5MHz	QPSK	H	12RB0	23.19	21.39	34.77	PASS
Band 12	5MHz	QPSK	H	12RB6	23.26	21.46	34.77	PASS
Band 12	5MHz	QPSK	H	12RB13	23.27	21.47	34.77	PASS

Band 12	5MHz	QPSK	H	25RB0	23.23	21.43	34.77	PASS
Band 12	5MHz	16QAM	L	1RB0	22.91	21.11	34.77	PASS
Band 12	5MHz	16QAM	L	1RB13	23.19	21.39	34.77	PASS
Band 12	5MHz	16QAM	L	1RB24	23.11	21.31	34.77	PASS
Band 12	5MHz	16QAM	L	12RB0	22.02	20.22	34.77	PASS
Band 12	5MHz	16QAM	L	12RB6	22.04	20.24	34.77	PASS
Band 12	5MHz	16QAM	L	12RB13	22.06	20.26	34.77	PASS
Band 12	5MHz	16QAM	L	25RB0	22.08	20.28	34.77	PASS
Band 12	5MHz	16QAM	M	1RB0	23.17	21.37	34.77	PASS
Band 12	5MHz	16QAM	M	1RB13	23.3	21.5	34.77	PASS
Band 12	5MHz	16QAM	M	1RB24	23.31	21.51	34.77	PASS
Band 12	5MHz	16QAM	M	12RB0	22.08	20.28	34.77	PASS
Band 12	5MHz	16QAM	M	12RB6	22.22	20.42	34.77	PASS
Band 12	5MHz	16QAM	M	12RB13	22.17	20.37	34.77	PASS
Band 12	5MHz	16QAM	M	25RB0	22.18	20.38	34.77	PASS
Band 12	5MHz	16QAM	H	1RB0	23.44	21.64	34.77	PASS
Band 12	5MHz	16QAM	H	1RB13	23.63	21.83	34.77	PASS
Band 12	5MHz	16QAM	H	1RB24	23.51	21.71	34.77	PASS
Band 12	5MHz	16QAM	H	12RB0	22.22	20.42	34.77	PASS
Band 12	5MHz	16QAM	H	12RB6	22.27	20.47	34.77	PASS
Band 12	5MHz	16QAM	H	12RB13	22.3	20.5	34.77	PASS
Band 12	5MHz	16QAM	H	25RB0	22.23	20.43	34.77	PASS
Band 12	5MHz	64QAM	L	1RB0	22.11	20.31	34.77	PASS
Band 12	5MHz	64QAM	L	1RB13	22.31	20.51	34.77	PASS
Band 12	5MHz	64QAM	L	1RB24	22.24	20.44	34.77	PASS

Band 12	5MHz	64QAM	L	12RB0	21.1	19.3	34.77	PASS
Band 12	5MHz	64QAM	L	12RB6	21.12	19.32	34.77	PASS
Band 12	5MHz	64QAM	L	12RB13	21.11	19.31	34.77	PASS
Band 12	5MHz	64QAM	L	25RB0	21.13	19.33	34.77	PASS
Band 12	5MHz	64QAM	M	1RB0	22.11	20.31	34.77	PASS
Band 12	5MHz	64QAM	M	1RB13	22.35	20.55	34.77	PASS
Band 12	5MHz	64QAM	M	1RB24	22.28	20.48	34.77	PASS
Band 12	5MHz	64QAM	M	12RB0	21.12	19.32	34.77	PASS
Band 12	5MHz	64QAM	M	12RB6	21.23	19.43	34.77	PASS
Band 12	5MHz	64QAM	M	12RB13	21.22	19.42	34.77	PASS
Band 12	5MHz	64QAM	M	25RB0	21.17	19.37	34.77	PASS
Band 12	5MHz	64QAM	H	1RB0	22.2	20.4	34.77	PASS
Band 12	5MHz	64QAM	H	1RB13	22.36	20.56	34.77	PASS
Band 12	5MHz	64QAM	H	1RB24	22.41	20.61	34.77	PASS
Band 12	5MHz	64QAM	H	12RB0	21.27	19.47	34.77	PASS
Band 12	5MHz	64QAM	H	12RB6	21.27	19.47	34.77	PASS
Band 12	5MHz	64QAM	H	12RB13	21.35	19.55	34.77	PASS
Band 12	5MHz	64QAM	H	25RB0	21.19	19.39	34.77	PASS
Band 12	10MHz	QPSK	L	1RB0	23.91	22.11	34.77	PASS
Band 12	10MHz	QPSK	L	1RB25	24.05	22.25	34.77	PASS
Band 12	10MHz	QPSK	L	1RB49	24.04	22.24	34.77	PASS
Band 12	10MHz	QPSK	L	25RB0	22.98	21.18	34.77	PASS
Band 12	10MHz	QPSK	L	25RB13	23.12	21.32	34.77	PASS
Band 12	10MHz	QPSK	L	25RB25	23.15	21.35	34.77	PASS
Band 12	10MHz	QPSK	L	50RB0	23.12	21.32	34.77	PASS

Band 12	10MHz	QPSK	M	1RB0	23.98	22.18	34.77	PASS
Band 12	10MHz	QPSK	M	1RB25	24.12	22.32	34.77	PASS
Band 12	10MHz	QPSK	M	1RB49	24.07	22.27	34.77	PASS
Band 12	10MHz	QPSK	M	25RB0	23.02	21.22	34.77	PASS
Band 12	10MHz	QPSK	M	25RB13	23.22	21.42	34.77	PASS
Band 12	10MHz	QPSK	M	25RB25	23.19	21.39	34.77	PASS
Band 12	10MHz	QPSK	M	50RB0	23.15	21.35	34.77	PASS
Band 12	10MHz	QPSK	H	1RB0	24.13	22.33	34.77	PASS
Band 12	10MHz	QPSK	H	1RB25	24.24	22.44	34.77	PASS
Band 12	10MHz	QPSK	H	1RB49	24.21	22.41	34.77	PASS
Band 12	10MHz	QPSK	H	25RB0	23.12	21.32	34.77	PASS
Band 12	10MHz	QPSK	H	25RB13	23.16	21.36	34.77	PASS
Band 12	10MHz	QPSK	H	25RB25	23.24	21.44	34.77	PASS
Band 12	10MHz	QPSK	H	50RB0	23.13	21.33	34.77	PASS
Band 12	10MHz	16QAM	L	1RB0	23.09	21.29	34.77	PASS
Band 12	10MHz	16QAM	L	1RB25	23.22	21.42	34.77	PASS
Band 12	10MHz	16QAM	L	1RB49	23.26	21.46	34.77	PASS
Band 12	10MHz	16QAM	L	25RB0	22	20.2	34.77	PASS
Band 12	10MHz	16QAM	L	25RB13	22.17	20.37	34.77	PASS
Band 12	10MHz	16QAM	L	25RB25	22.15	20.35	34.77	PASS
Band 12	10MHz	16QAM	L	50RB0	22.11	20.31	34.77	PASS
Band 12	10MHz	16QAM	M	1RB0	23.14	21.34	34.77	PASS
Band 12	10MHz	16QAM	M	1RB25	23.34	21.54	34.77	PASS
Band 12	10MHz	16QAM	M	1RB49	23.36	21.56	34.77	PASS
Band 12	10MHz	16QAM	M	25RB0	22.09	20.29	34.77	PASS

Band 12	10MHz	16QAM	M	25RB13	22.17	20.37	34.77	PASS
Band 12	10MHz	16QAM	M	25RB25	22.18	20.38	34.77	PASS
Band 12	10MHz	16QAM	M	50RB0	22.15	20.35	34.77	PASS
Band 12	10MHz	16QAM	H	1RB0	23.27	21.47	34.77	PASS
Band 12	10MHz	16QAM	H	1RB25	23.37	21.57	34.77	PASS
Band 12	10MHz	16QAM	H	1RB49	23.34	21.54	34.77	PASS
Band 12	10MHz	16QAM	H	25RB0	22.13	20.33	34.77	PASS
Band 12	10MHz	16QAM	H	25RB13	22.18	20.38	34.77	PASS
Band 12	10MHz	16QAM	H	25RB25	22.29	20.49	34.77	PASS
Band 12	10MHz	16QAM	H	50RB0	22.11	20.31	34.77	PASS
Band 12	10MHz	64QAM	L	1RB0	22.08	20.28	34.77	PASS
Band 12	10MHz	64QAM	L	1RB25	22.19	20.39	34.77	PASS
Band 12	10MHz	64QAM	L	1RB49	22.29	20.49	34.77	PASS
Band 12	10MHz	64QAM	L	25RB0	21.01	19.21	34.77	PASS
Band 12	10MHz	64QAM	L	25RB13	21.08	19.28	34.77	PASS
Band 12	10MHz	64QAM	L	25RB25	21.2	19.4	34.77	PASS
Band 12	10MHz	64QAM	L	50RB0	21.1	19.3	34.77	PASS
Band 12	10MHz	64QAM	M	1RB0	22.21	20.41	34.77	PASS
Band 12	10MHz	64QAM	M	1RB25	22.36	20.56	34.77	PASS
Band 12	10MHz	64QAM	M	1RB49	22.36	20.56	34.77	PASS
Band 12	10MHz	64QAM	M	25RB0	21.06	19.26	34.77	PASS
Band 12	10MHz	64QAM	M	25RB13	21.3	19.5	34.77	PASS
Band 12	10MHz	64QAM	M	25RB25	21.22	19.42	34.77	PASS
Band 12	10MHz	64QAM	M	50RB0	21.12	19.32	34.77	PASS
Band 12	10MHz	64QAM	H	1RB0	22.32	20.52	34.77	PASS

Band 12	10MHz	64QAM	H	1RB25	22.33	20.53	34.77	PASS
Band 12	10MHz	64QAM	H	1RB49	22.34	20.54	34.77	PASS
Band 12	10MHz	64QAM	H	25RB0	21.02	19.22	34.77	PASS
Band 12	10MHz	64QAM	H	25RB13	21.21	19.41	34.77	PASS
Band 12	10MHz	64QAM	H	25RB25	21.29	19.49	34.77	PASS
Band 12	10MHz	64QAM	H	50RB0	21.16	19.36	34.77	PASS

2. Frequency Stability

2.1 Test Result

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	1.246	0.0018	-2.5 to 2.5	Pass
					3.85	0.922	0.0013	-2.5 to 2.5	Pass
					4.43	0.002	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.777	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.455	0.0021	-2.5 to 2.5	Pass
				-10	3.85	0.598	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.123	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.786	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.771	0.0025	-2.5 to 2.5	Pass
				40	3.85	-1.139	-0.0016	-2.5 to 2.5	Pass
	707.5	50	0	20	3.85	1.486	0.0021	-2.5 to 2.5	Pass
					3.27	1.731	0.0024	-2.5 to 2.5	Pass
					3.85	1.382	0.0020	-2.5 to 2.5	Pass
				-30	4.43	2.626	0.0037	-2.5 to 2.5	Pass
					3.85	0.639	0.0009	-2.5 to 2.5	Pass
					3.85	-0.317	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.385	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.182	0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.085	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.491	0.0007	-2.5 to 2.5	Pass
	711	50	0	30	3.85	1.602	0.0023	-2.5 to 2.5	Pass
					3.85	-0.617	-0.0009	-2.5 to 2.5	Pass
					3.85	0.601	0.0008	-2.5 to 2.5	Pass
				20	3.85	0.501	0.0007	-2.5 to 2.5	Pass
					4.43	-0.298	-0.0004	-2.5 to 2.5	Pass
					3.85	0.319	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.876	0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.274	0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.541	0.0022	-2.5 to 2.5	Pass
				0	3.85	-1.157	-0.0016	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.85	-0.824	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.861	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.919	-0.0013	-2.5 to 2.5	Pass
					3.27	1.704	0.0024	-2.5 to 2.5	Pass

					3.85	1.621	0.0023	-2.5 to 2.5	Pass
					4.43	0.531	0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.378	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.640	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.534	0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.383	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-1.464	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.129	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-0.121	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.503	0.0007	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	1.779	0.0025	-2.5 to 2.5	Pass
					3.85	-0.370	-0.0005	-2.5 to 2.5	Pass
					4.43	0.402	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.231	0.0017	-2.5 to 2.5	Pass
				-20	3.85	2.116	0.0030	-2.5 to 2.5	Pass
				-10	3.85	0.715	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.848	0.0012	-2.5 to 2.5	Pass
				10	3.85	0.883	0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.322	-0.0005	-2.5 to 2.5	Pass
				40	3.85	0.589	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.094	-0.0001	-2.5 to 2.5	Pass
	711	50	0	20	3.27	0.628	0.0009	-2.5 to 2.5	Pass
					3.85	0.553	0.0008	-2.5 to 2.5	Pass
					4.43	0.872	0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.038	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.025	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.994	0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.370	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.341	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.354	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.018	0.0014	-2.5 to 2.5	Pass
				50	3.85	0.260	0.0004	-2.5 to 2.5	Pass
64QAM	704	50	0	20	3.27	-0.156	-0.0002	-2.5 to 2.5	Pass
					3.85	0.059	0.0001	-2.5 to 2.5	Pass
					4.43	0.204	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.046	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.620	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	0.717	0.0010	-2.5 to 2.5	Pass
				0	3.85	1.228	0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.672	-0.0010	-2.5 to 2.5	Pass
				30	3.85	0.421	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.519	0.0022	-2.5 to 2.5	Pass
				50	3.85	0.967	0.0014	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-0.722	-0.0010	-2.5 to 2.5	Pass
					3.85	0.674	0.0010	-2.5 to 2.5	Pass
					4.43	0.882	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-0.738	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	1.419	0.0020	-2.5 to 2.5	Pass
				-10	3.85	0.722	0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.125	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.197	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.849	0.0012	-2.5 to 2.5	Pass
				40	3.85	0.814	0.0012	-2.5 to 2.5	Pass
				50	3.85	0.829	0.0012	-2.5 to 2.5	Pass
	711	50	0	20	3.27	1.054	0.0015	-2.5 to 2.5	Pass
					3.85	-0.512	-0.0007	-2.5 to 2.5	Pass
					4.43	0.529	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.746	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	0.616	0.0009	-2.5 to 2.5	Pass

				-10	3.85	-0.879	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.158	-0.0016	-2.5 to 2.5	Pass
				10	3.85	1.052	0.0015	-2.5 to 2.5	Pass
				30	3.85	-1.095	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.915	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.291	-0.0004	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 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	1.134	/	Pass
		707.5	6	0	1.116	/	Pass
		715.3	6	0	1.116	/	Pass
	16QAM	699.7	6	0	1.126	/	Pass
		707.5	6	0	1.115	/	Pass
		715.3	6	0	1.115	/	Pass
	64QAM	699.7	6	0	1.120	/	Pass
		707.5	6	0	1.121	/	Pass
		715.3	6	0	1.121	/	Pass
3	QPSK	700.5	15	0	2.736	/	Pass
		707.5	15	0	2.740	/	Pass
		714.5	15	0	2.739	/	Pass
	16QAM	700.5	15	0	2.749	/	Pass
		707.5	15	0	2.744	/	Pass
		714.5	15	0	2.732	/	Pass
	64QAM	700.5	15	0	2.741	/	Pass
		707.5	15	0	2.729	/	Pass
		714.5	15	0	2.736	/	Pass
5	QPSK	701.5	25	0	4.575	/	Pass
		707.5	25	0	4.559	/	Pass
		713.5	25	0	4.552	/	Pass
	16QAM	701.5	25	0	4.575	/	Pass
		707.5	25	0	4.552	/	Pass
		713.5	25	0	4.562	/	Pass
	64QAM	701.5	25	0	4.575	/	Pass
		707.5	25	0	4.546	/	Pass
		713.5	25	0	4.577	/	Pass
10	QPSK	704	50	0	9.026	/	Pass
		707.5	50	0	9.061	/	Pass
		711	50	0	9.060	/	Pass
	16QAM	704	50	0	9.062	/	Pass
		707.5	50	0	9.052	/	Pass
		711	50	0	9.078	/	Pass
	64QAM	704	50	0	9.062	/	Pass
		707.5	50	0	9.037	/	Pass
		711	50	0	9.045	/	Pass

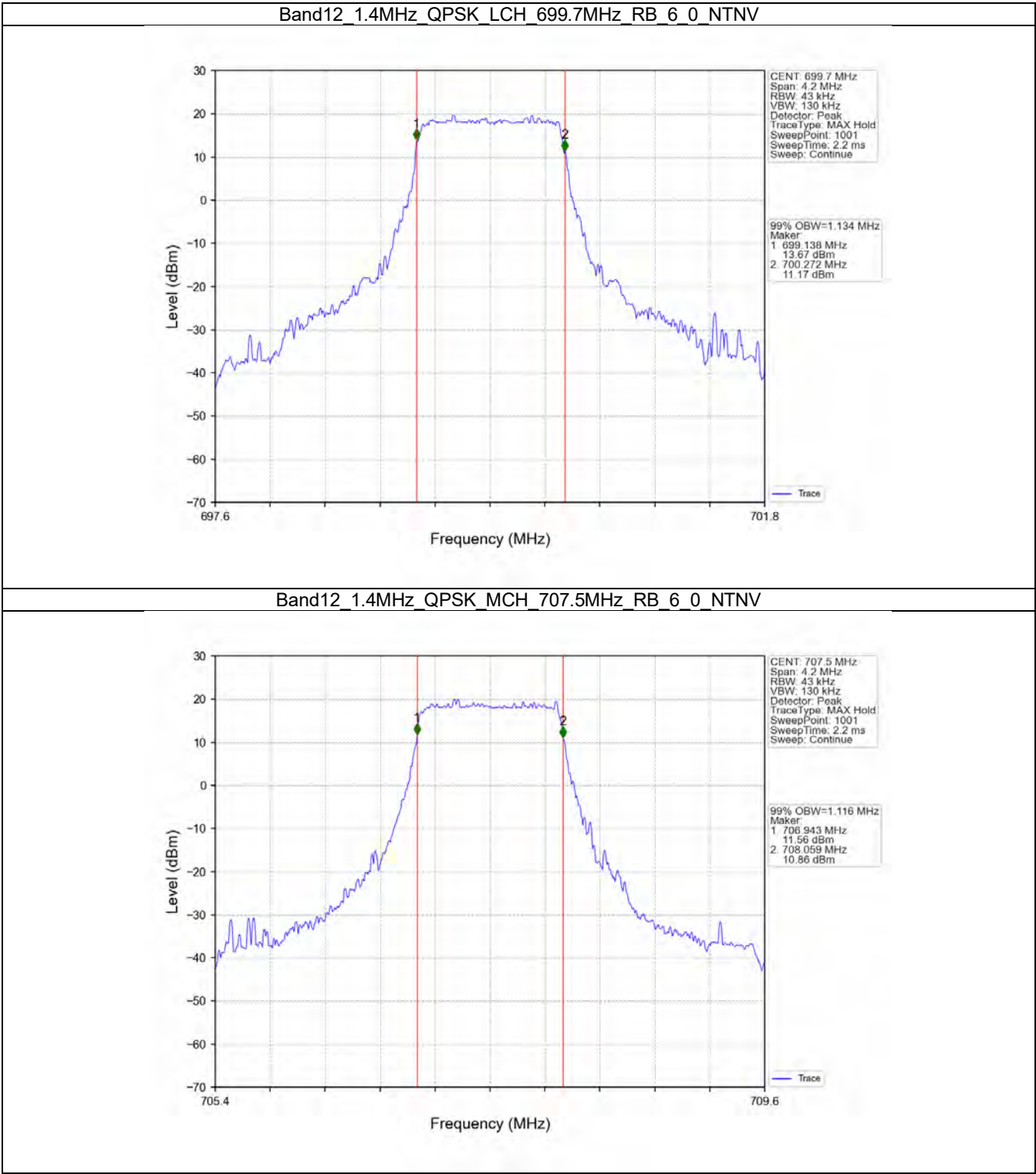
3.1.2 Band12_XDB

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	1.397	/	Pass
		707.5	6	0	1.385	/	Pass
		715.3	6	0	1.421	/	Pass
	16QAM	699.7	6	0	1.394	/	Pass
		707.5	6	0	1.398	/	Pass
		715.3	6	0	1.410	/	Pass

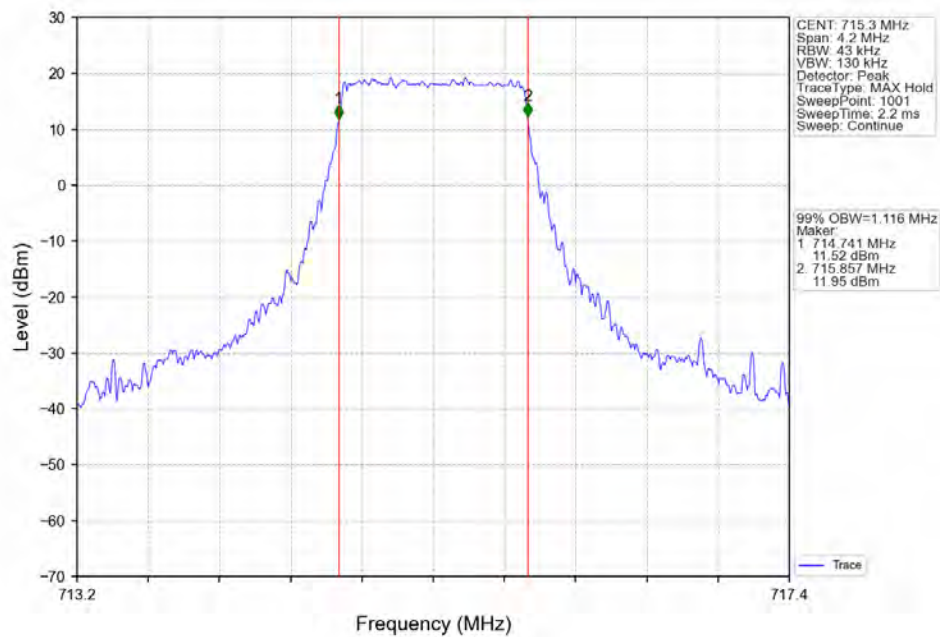
	64QAM	699.7	6	0	1.381	/	Pass
		707.5	6	0	1.385	/	Pass
		715.3	6	0	1.405	/	Pass
3	QPSK	700.5	15	0	3.109	/	Pass
		707.5	15	0	3.137	/	Pass
		714.5	15	0	3.086	/	Pass
	16QAM	700.5	15	0	3.134	/	Pass
		707.5	15	0	3.137	/	Pass
		714.5	15	0	3.126	/	Pass
	64QAM	700.5	15	0	3.122	/	Pass
		707.5	15	0	3.126	/	Pass
		714.5	15	0	3.121	/	Pass
5	QPSK	701.5	25	0	5.259	/	Pass
		707.5	25	0	5.213	/	Pass
		713.5	25	0	5.234	/	Pass
	16QAM	701.5	25	0	5.245	/	Pass
		707.5	25	0	5.177	/	Pass
		713.5	25	0	5.190	/	Pass
	64QAM	701.5	25	0	5.233	/	Pass
		707.5	25	0	5.195	/	Pass
		713.5	25	0	5.190	/	Pass
10	QPSK	704	50	0	10.161	/	Pass
		707.5	50	0	10.265	/	Pass
		711	50	0	10.114	/	Pass
	16QAM	704	50	0	10.167	/	Pass
		707.5	50	0	10.074	/	Pass
		711	50	0	10.190	/	Pass
	64QAM	704	50	0	10.140	/	Pass
		707.5	50	0	10.205	/	Pass
		711	50	0	10.198	/	Pass

3.2 Test Graph

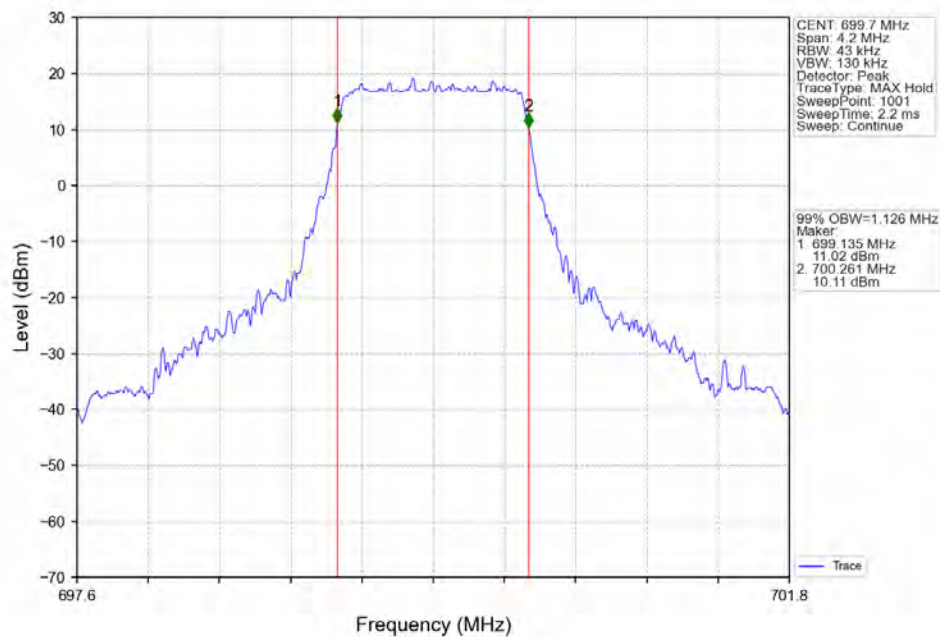
3.2.1 Band12_OBW



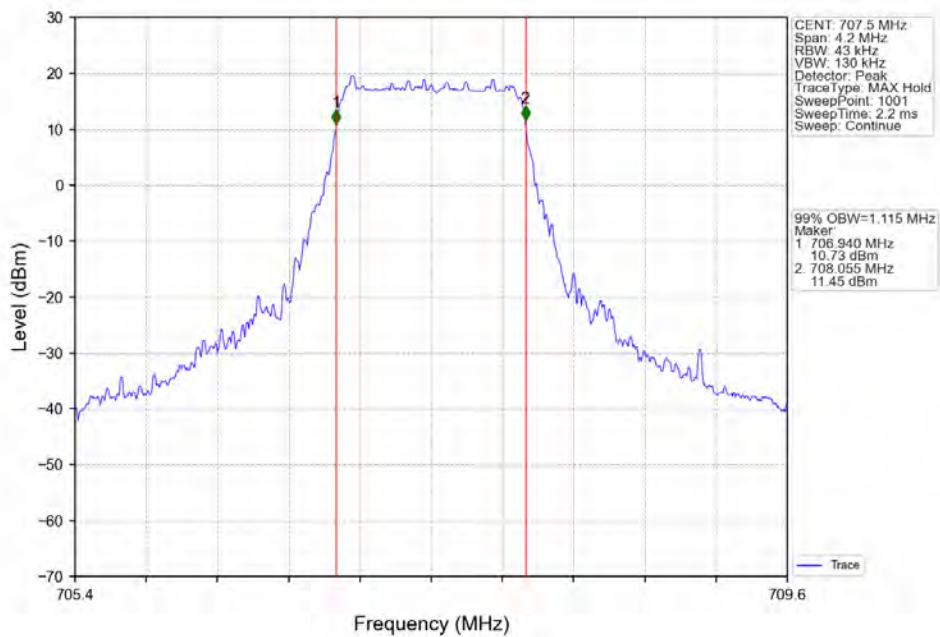
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



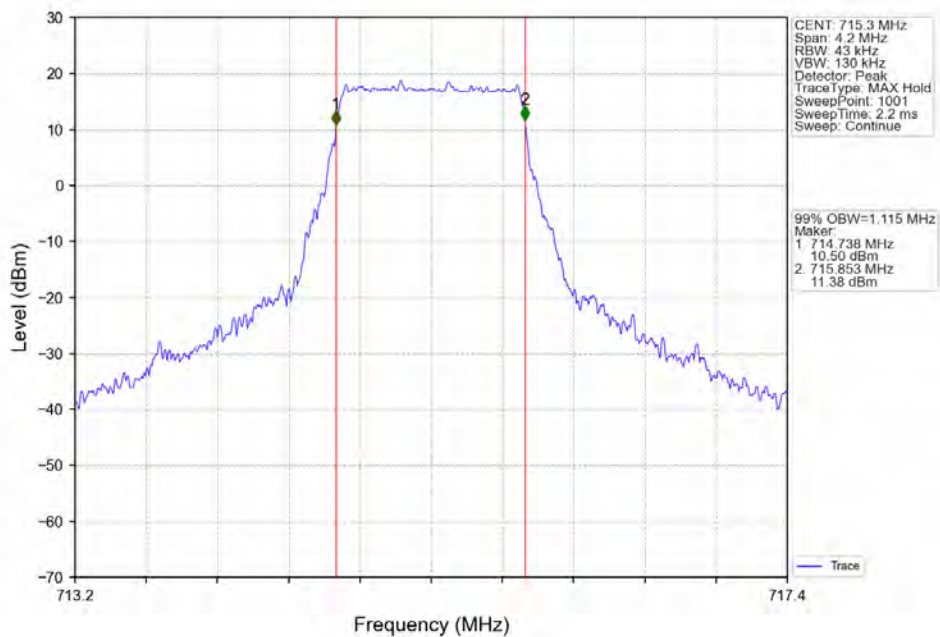
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



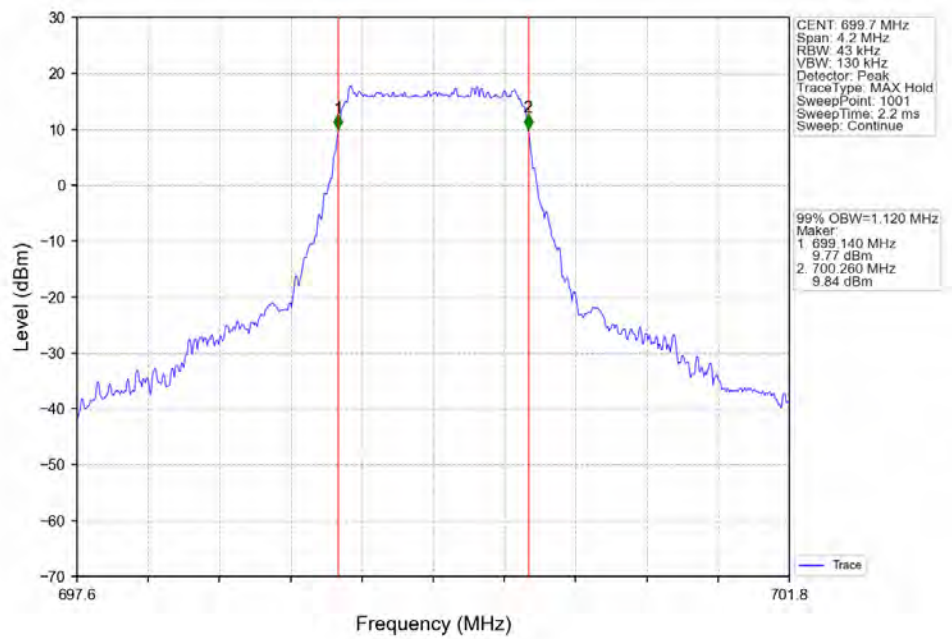
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



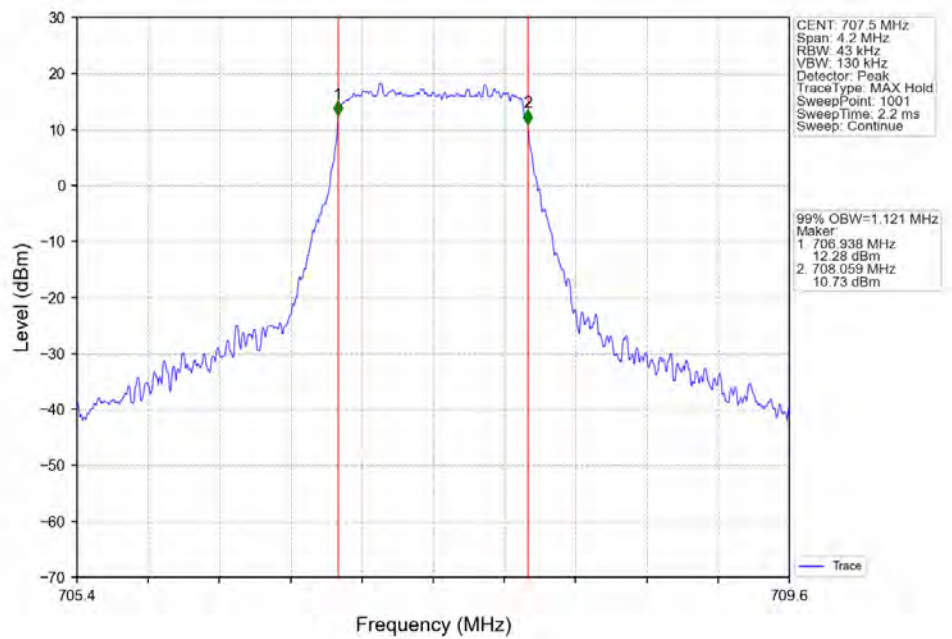
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



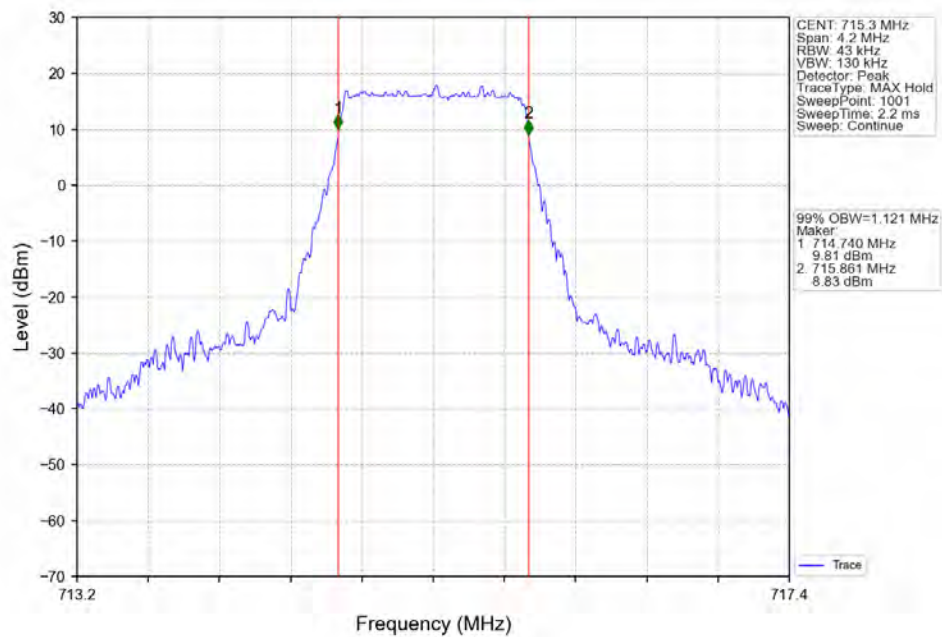
Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTNV



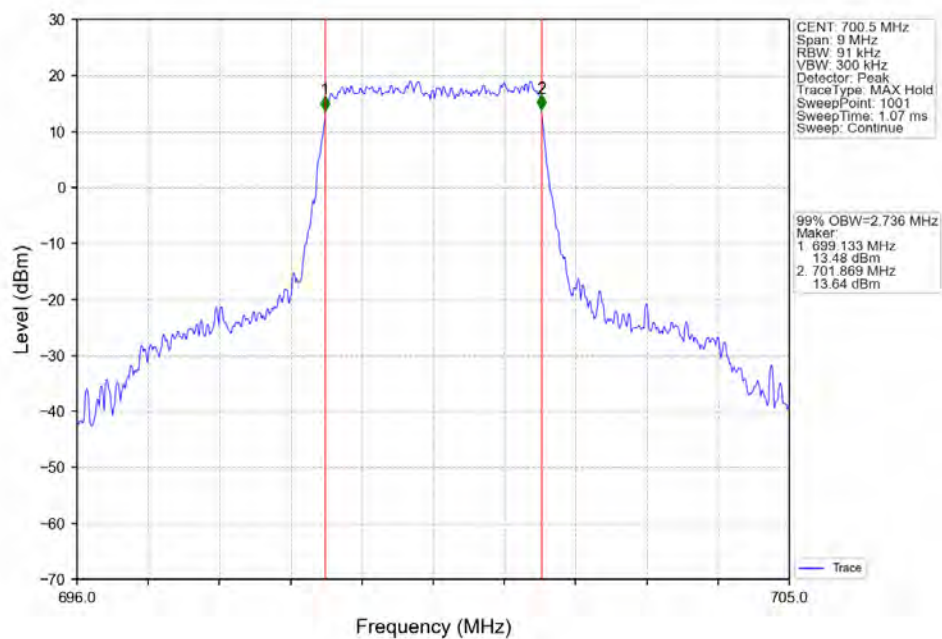
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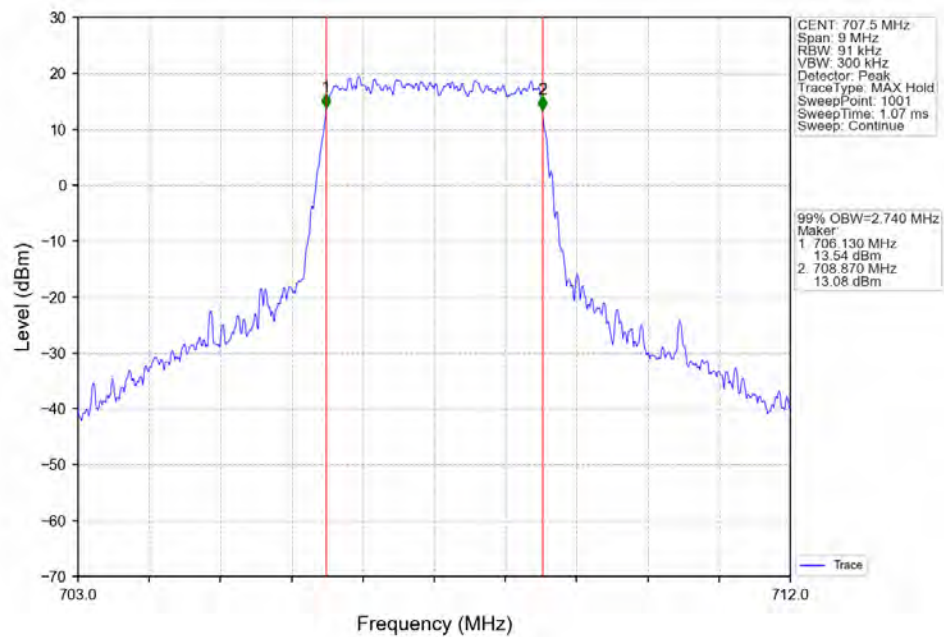
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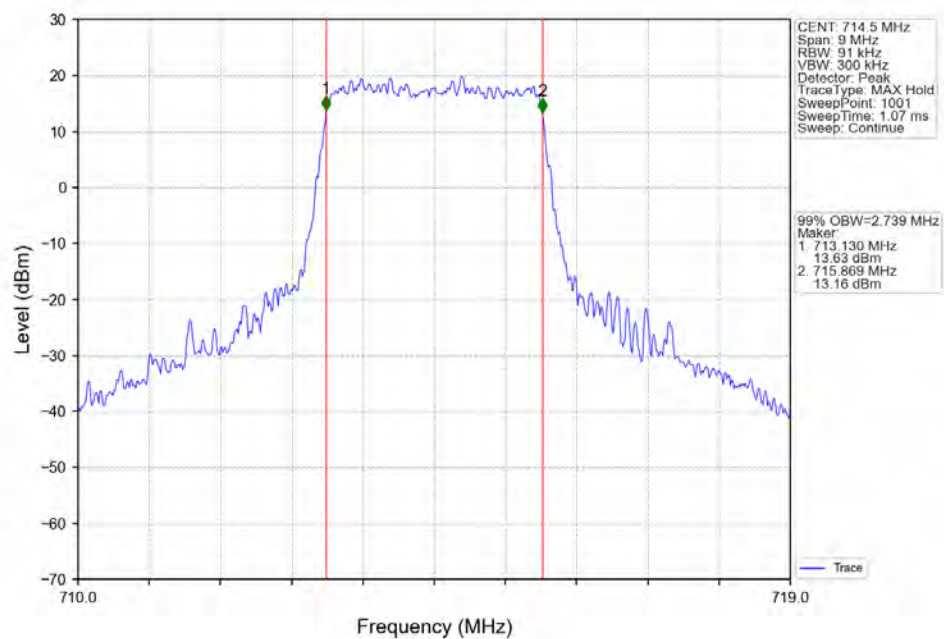
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



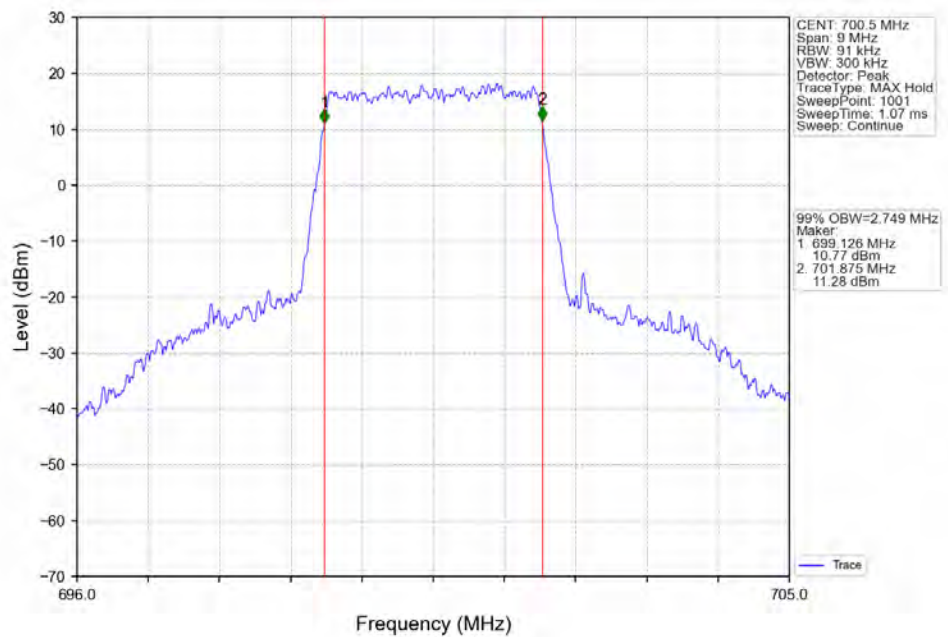
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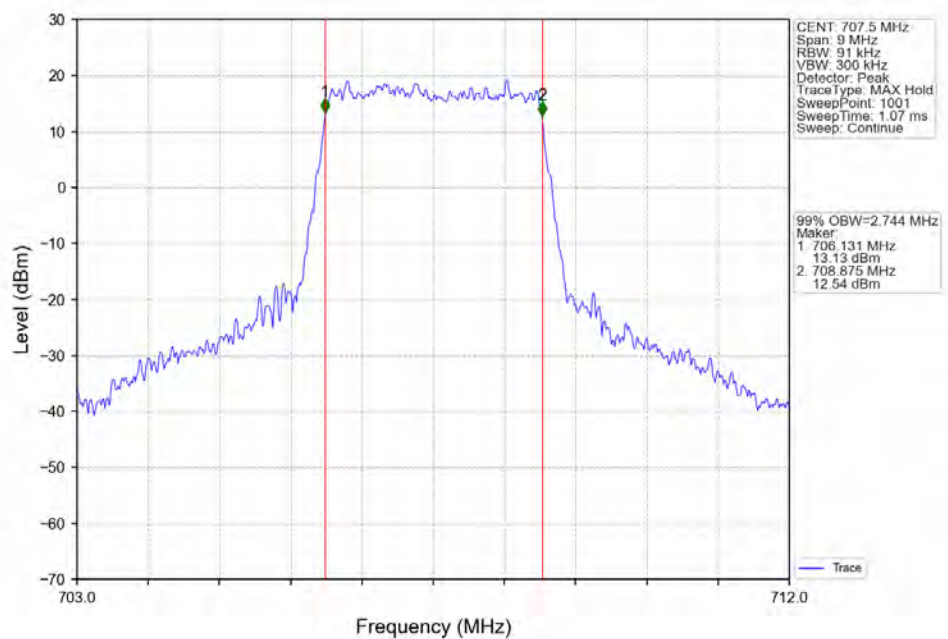
Band12_3MHz_QPSK_HCH 714.5MHz RB 15 0 NTV



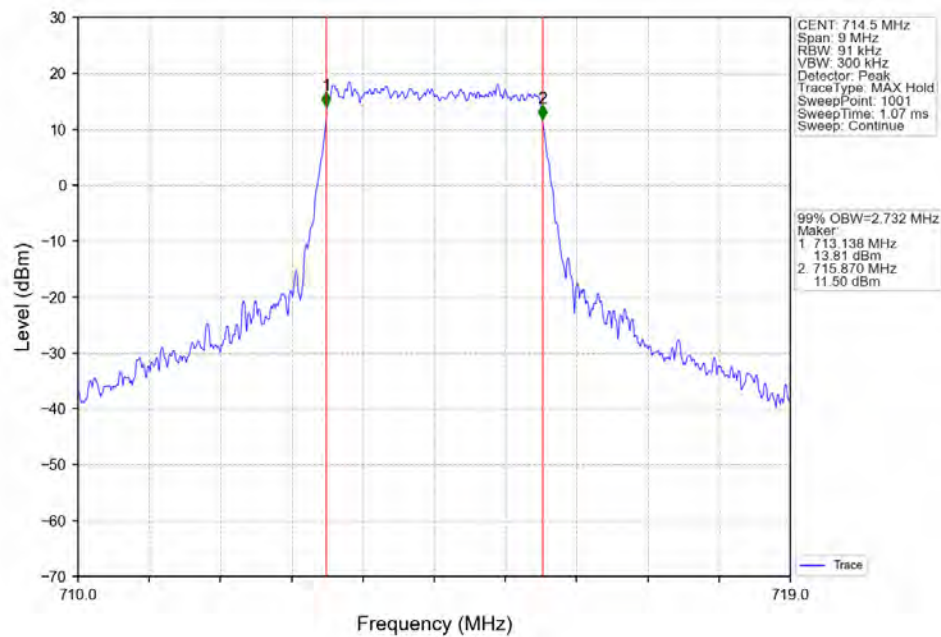
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



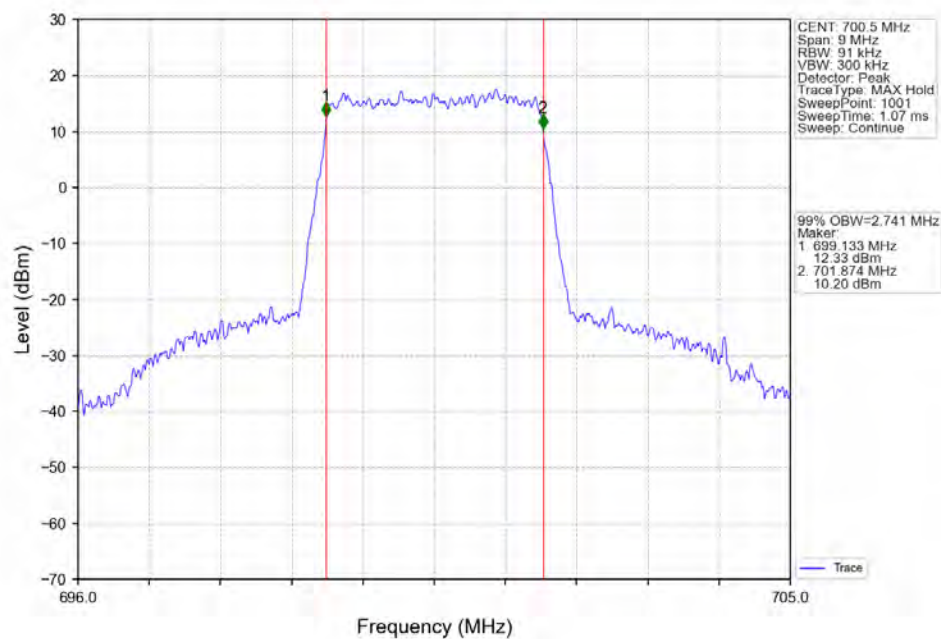
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



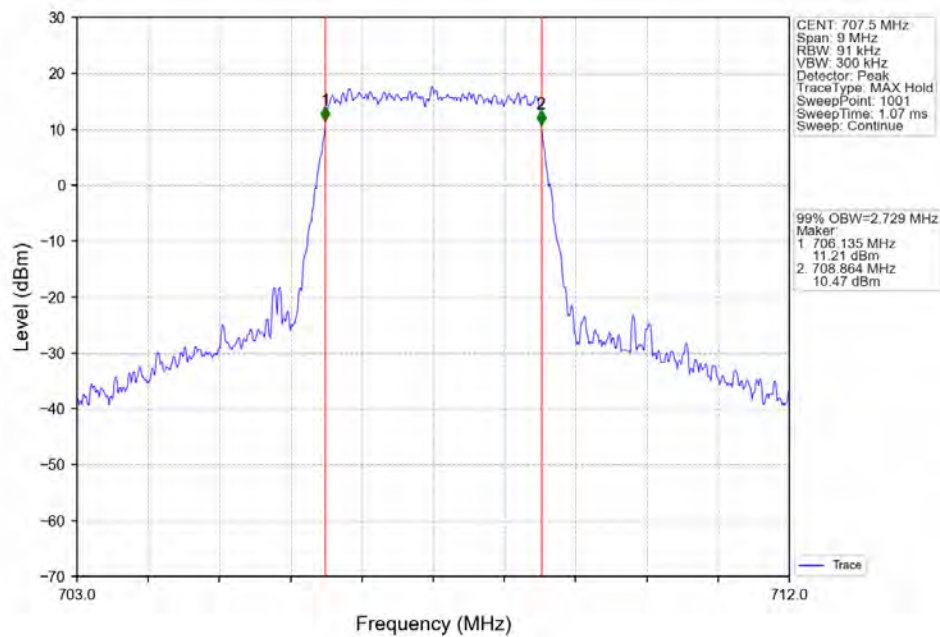
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



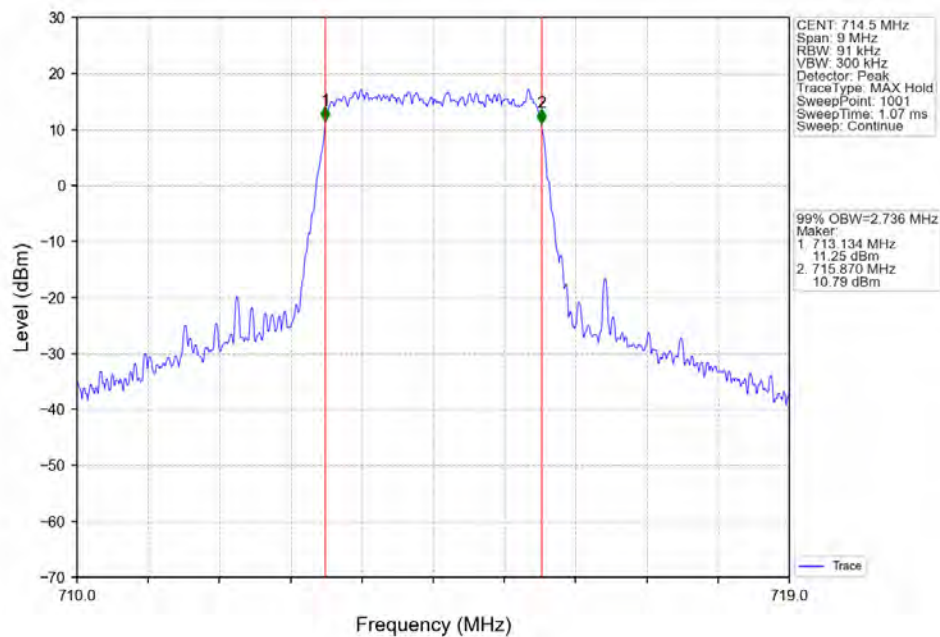
Band12 3MHz 64QAM LCH 700.5MHz RB 15 0 NTNV



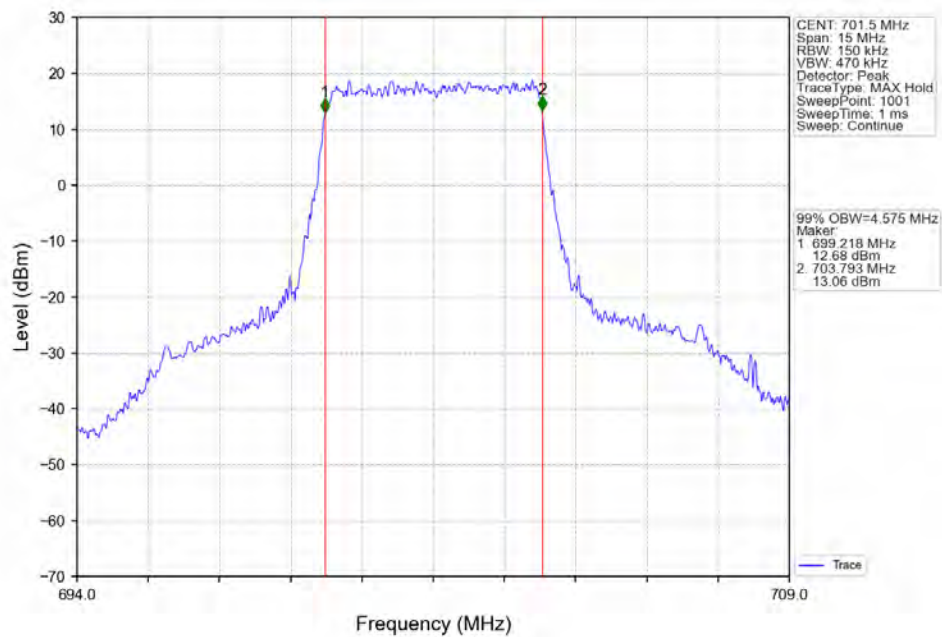
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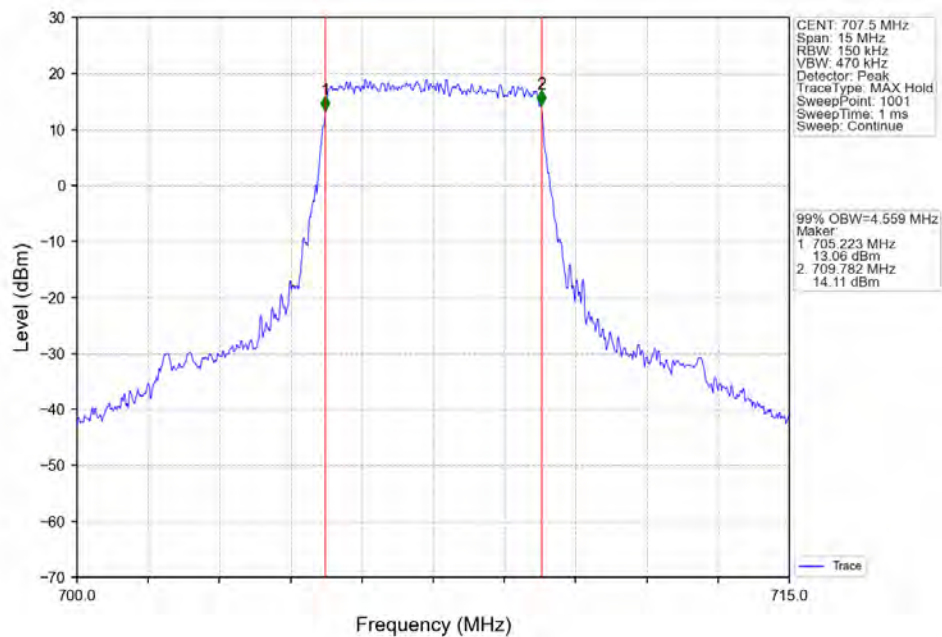
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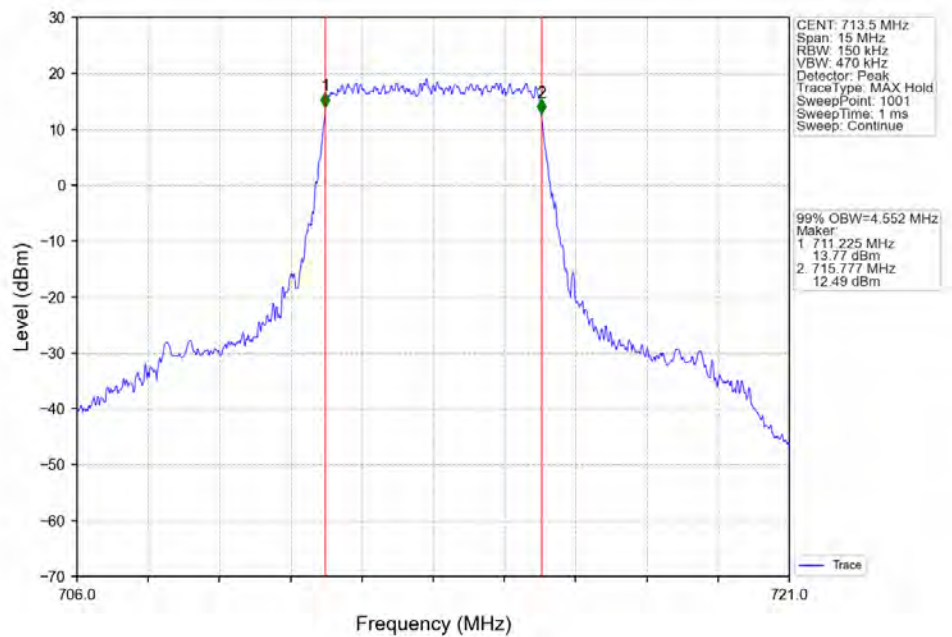
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



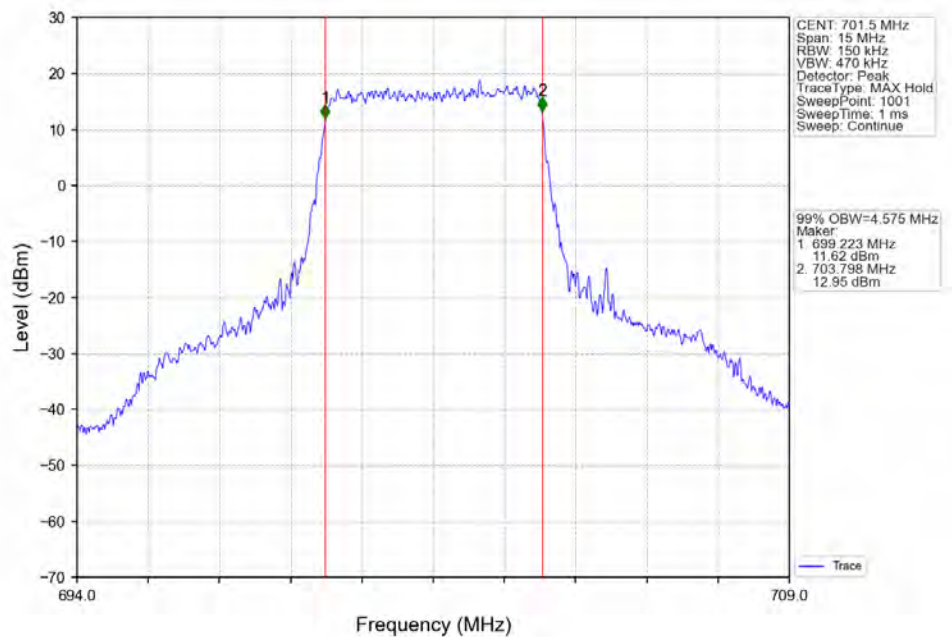
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



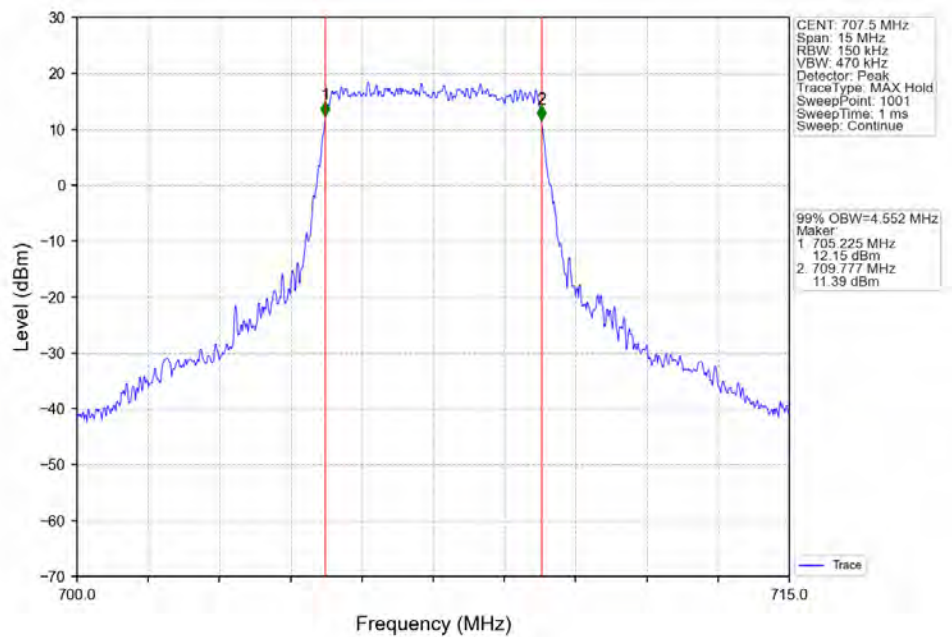
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



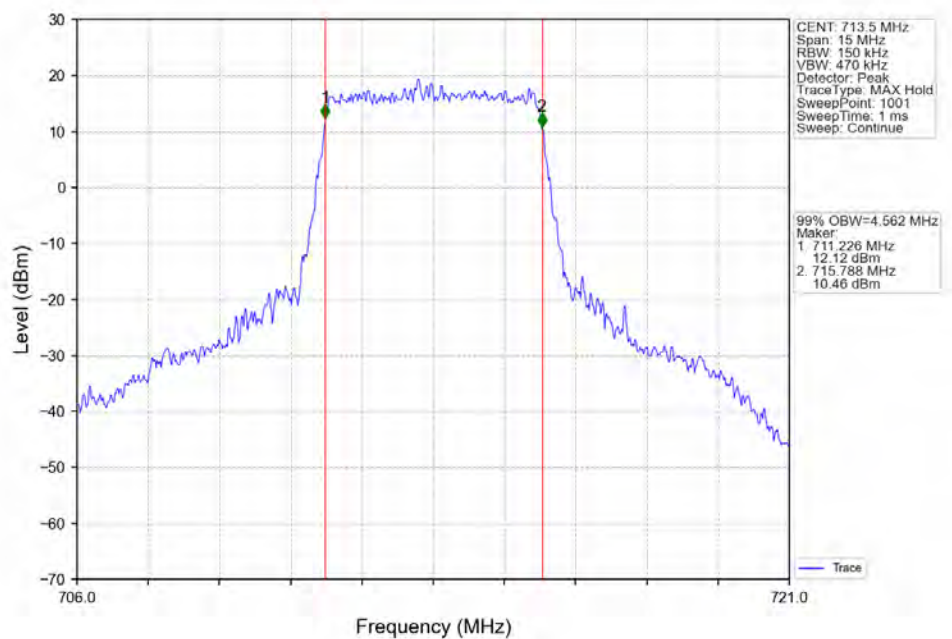
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



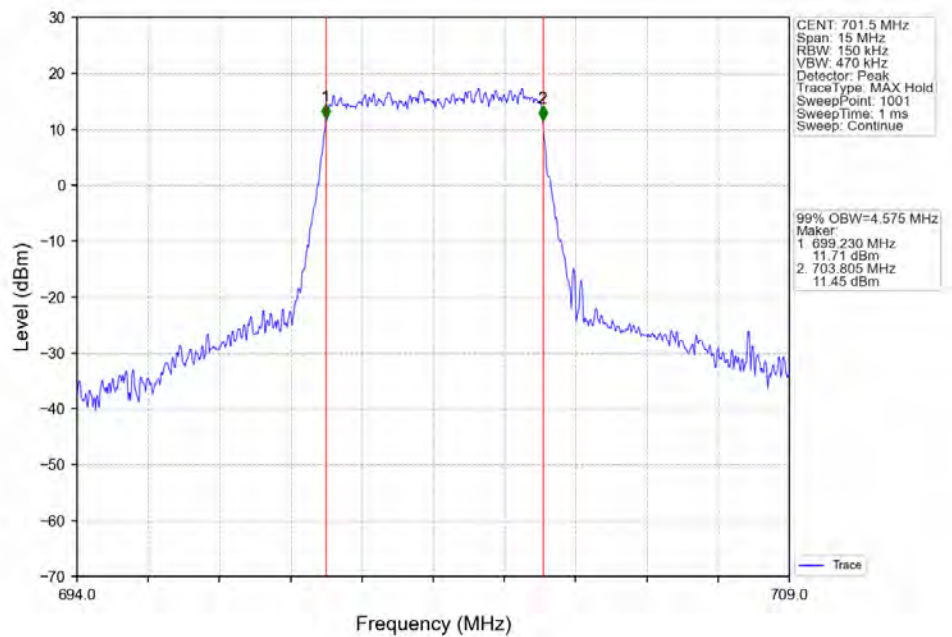
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



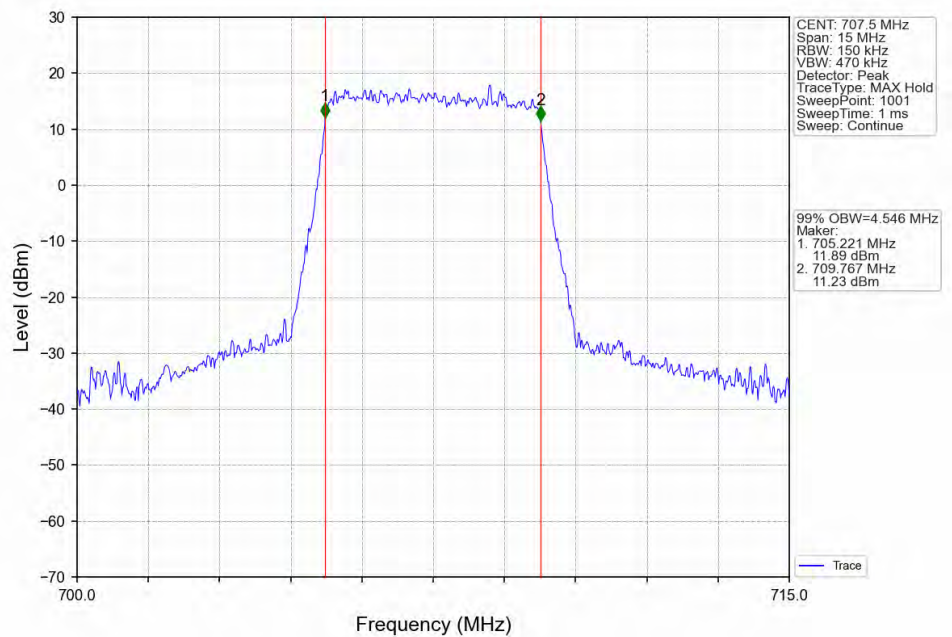
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



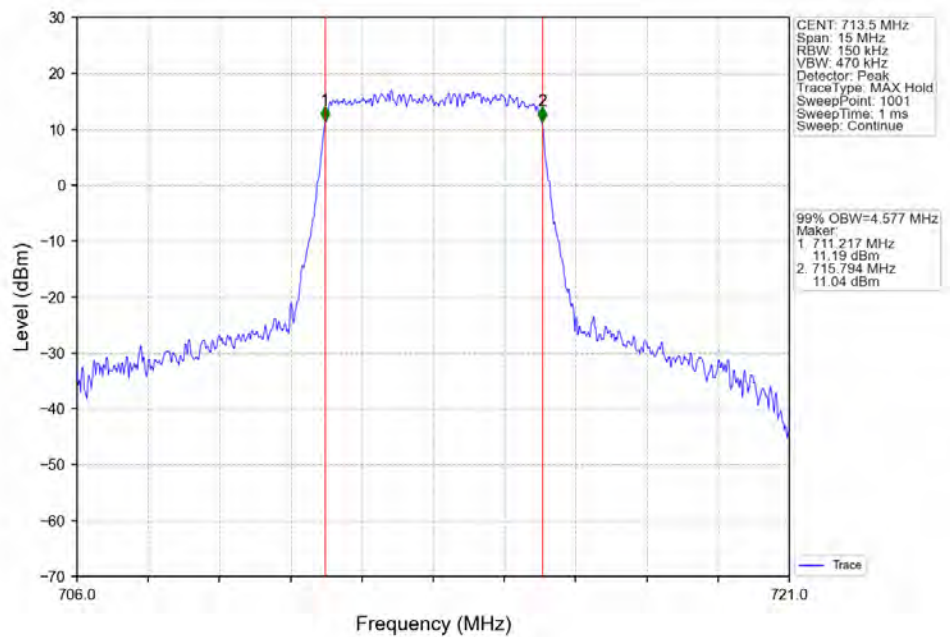
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



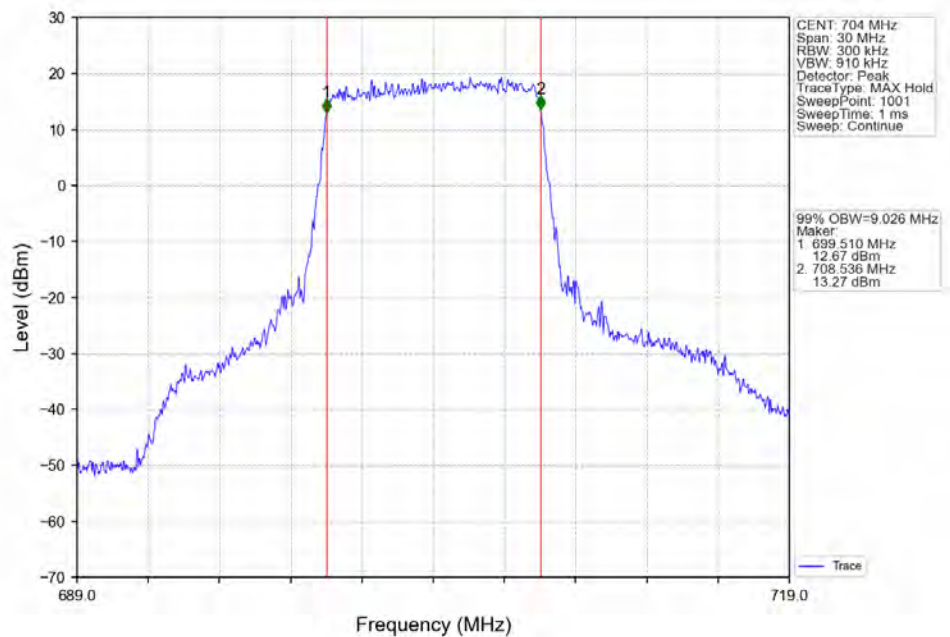
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



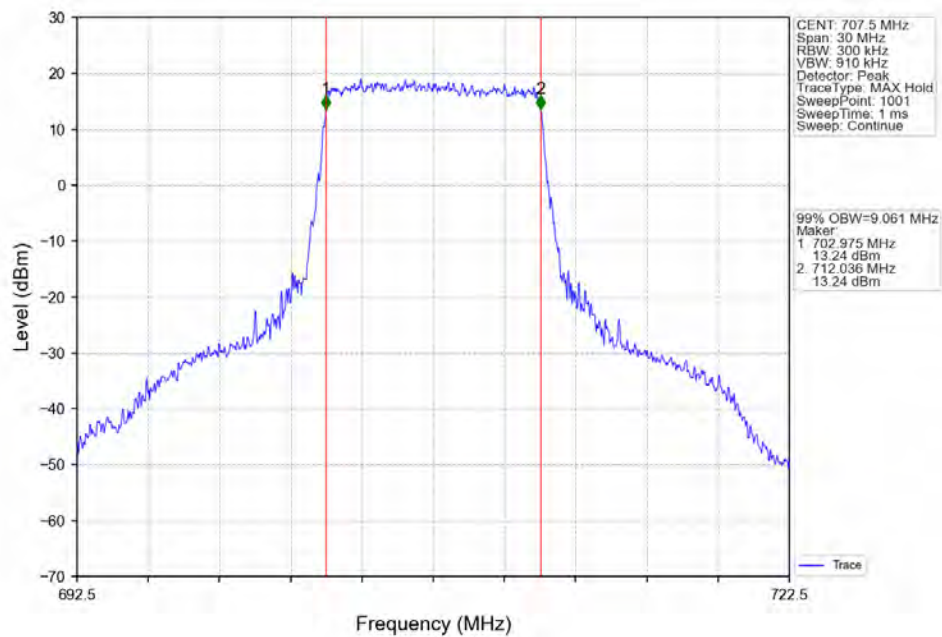
Band12 5MHz 64QAM HCH 713.5MHz RB 25 0 NTNV



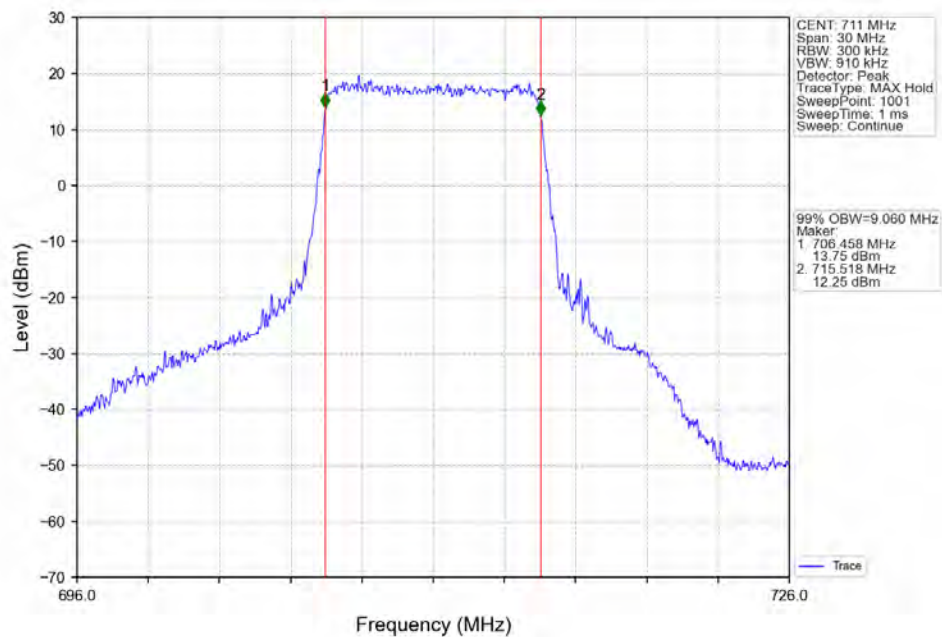
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



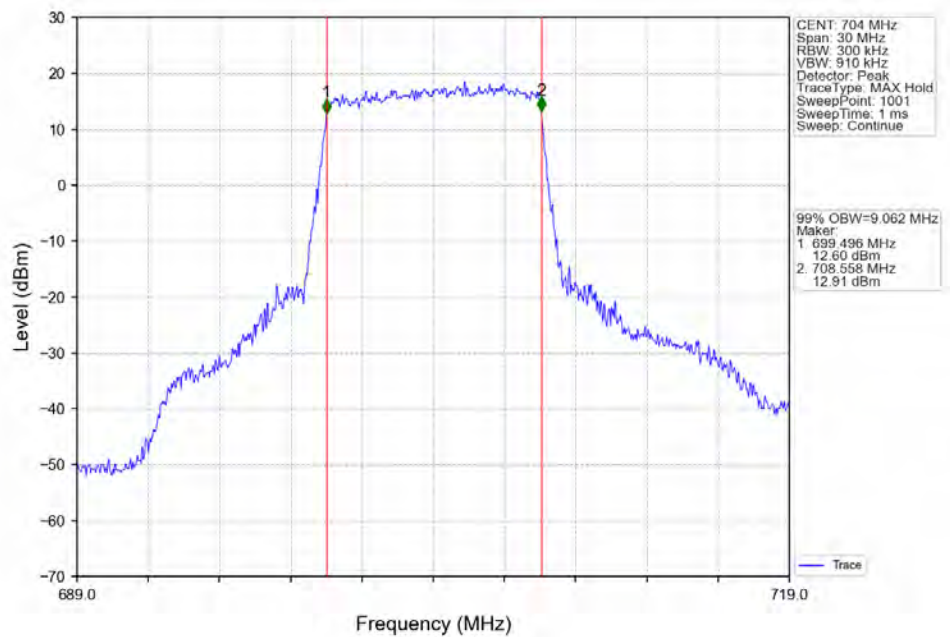
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



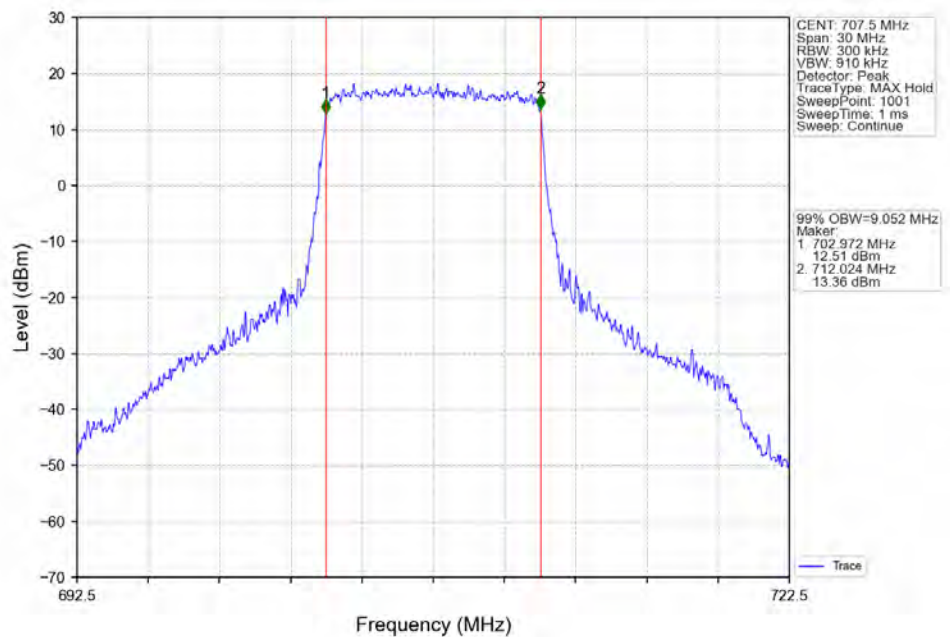
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



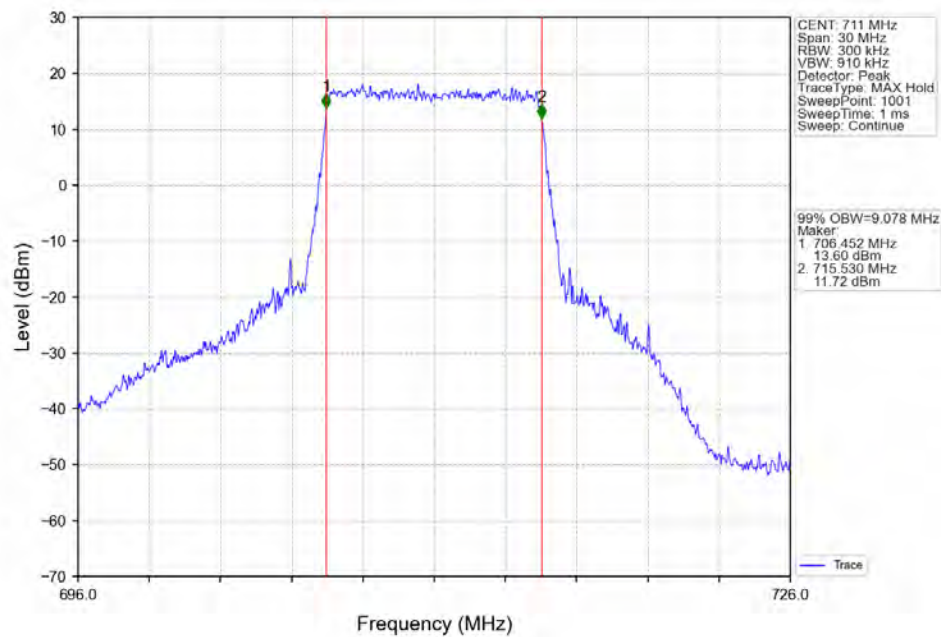
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



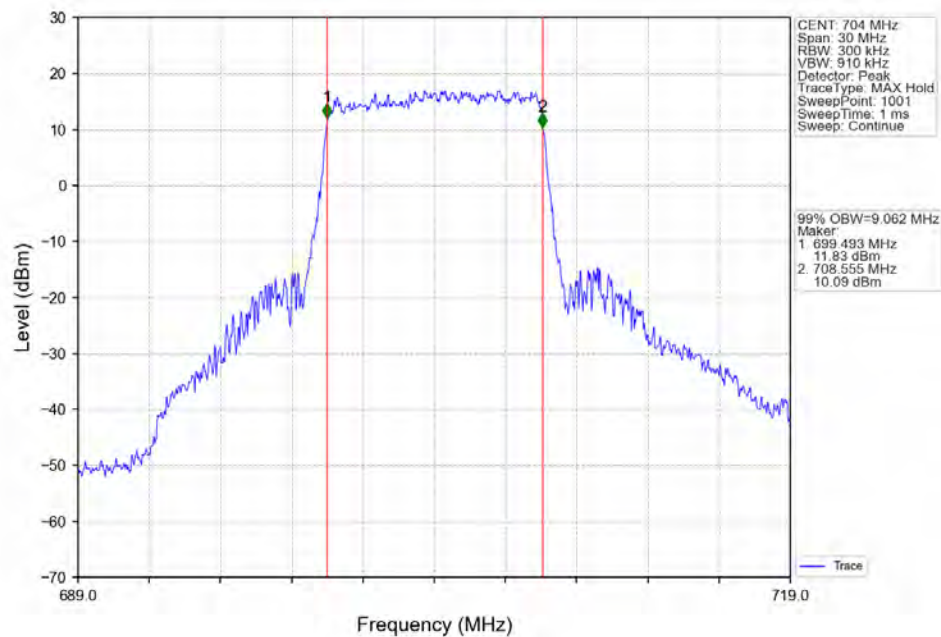
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



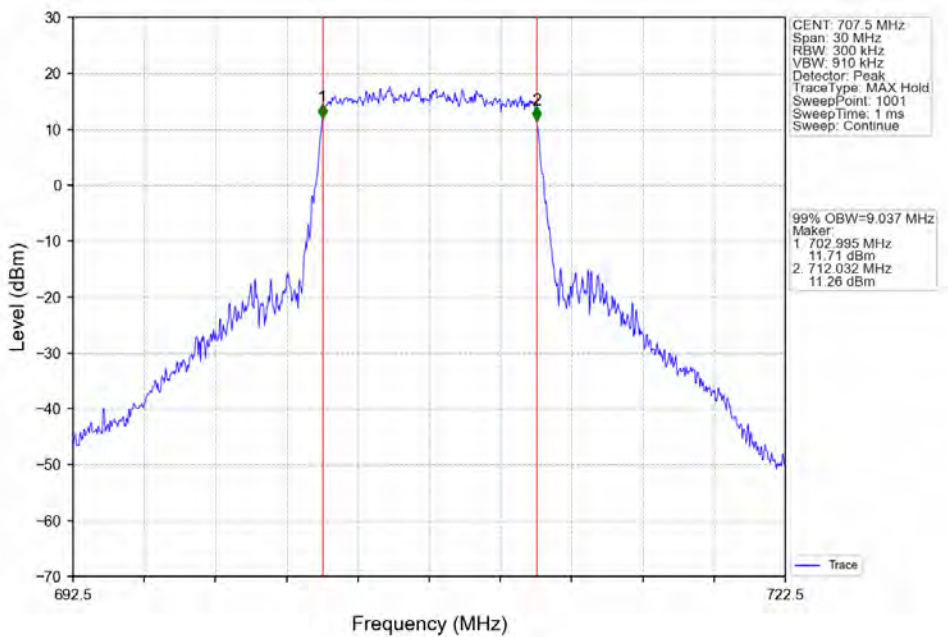
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



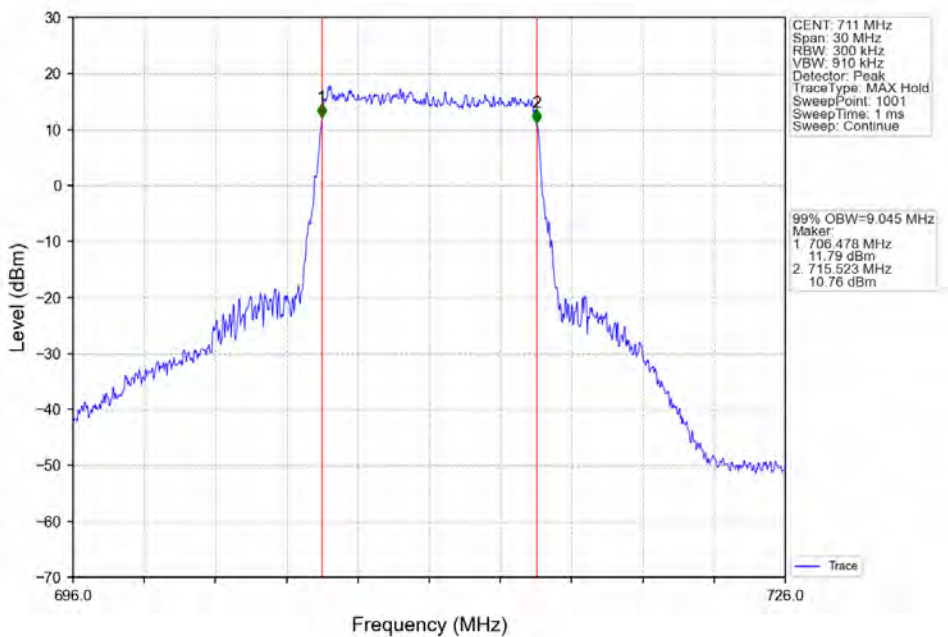
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



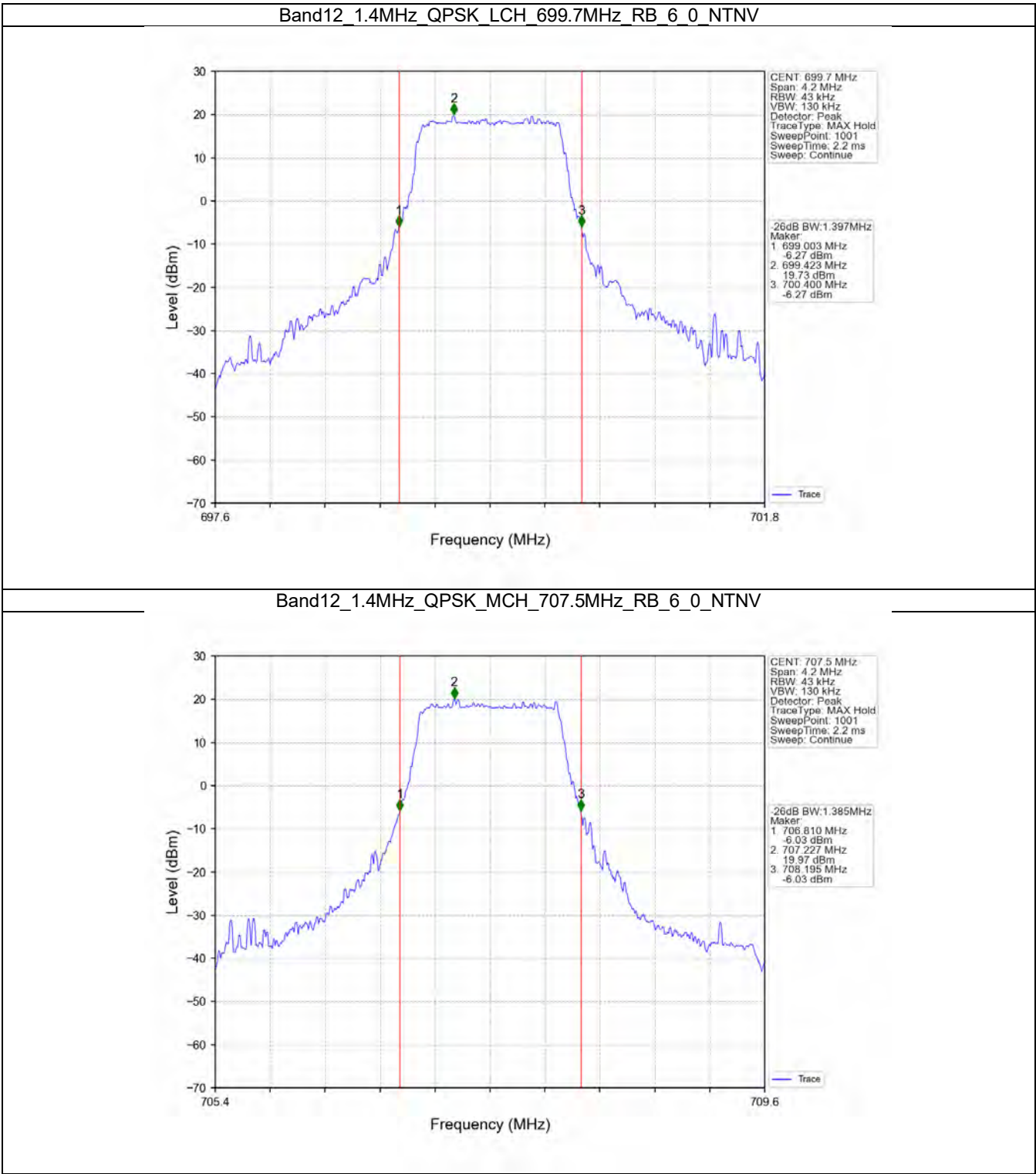
Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



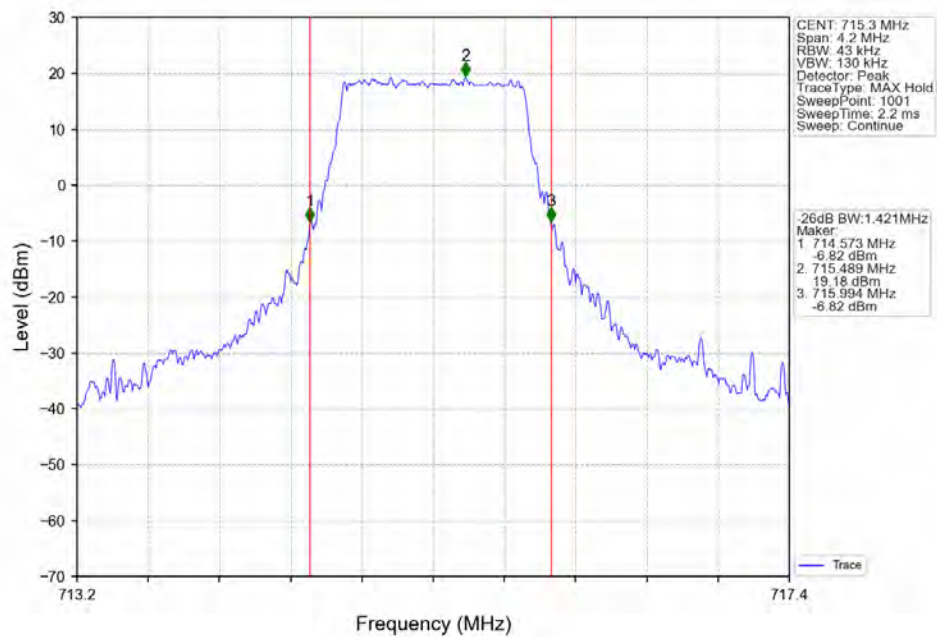
Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



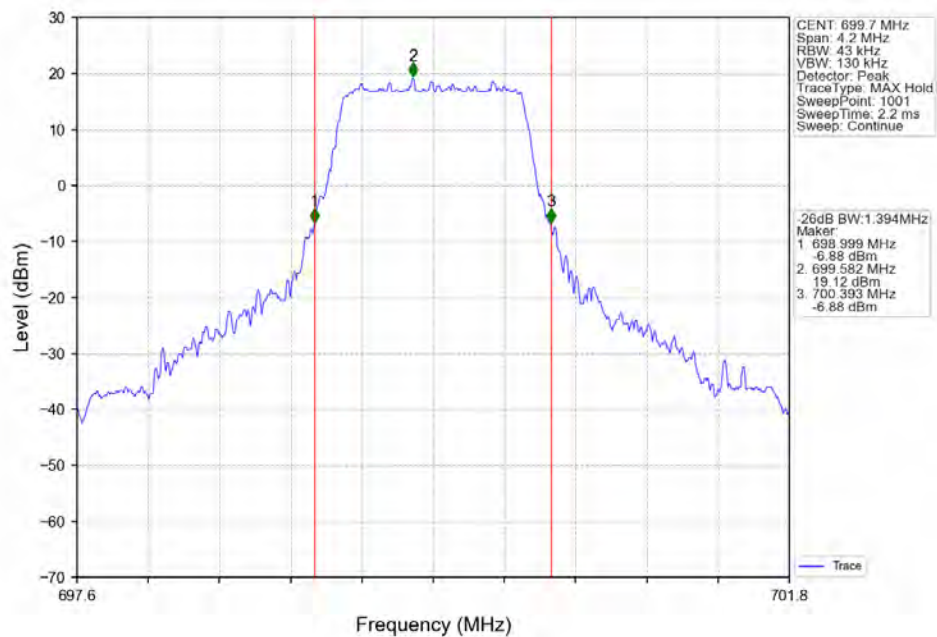
3.2.2 Band12_XDB



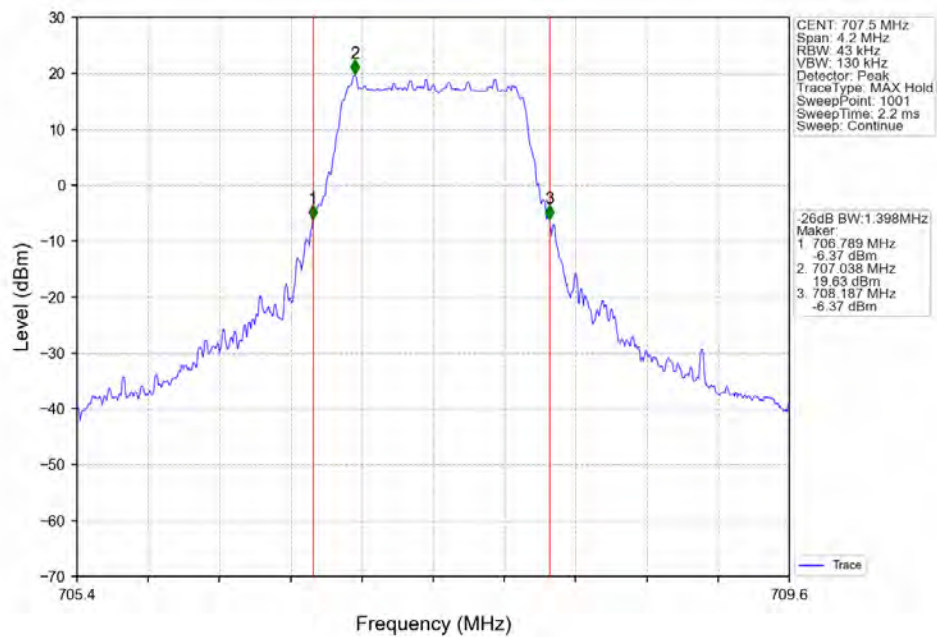
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



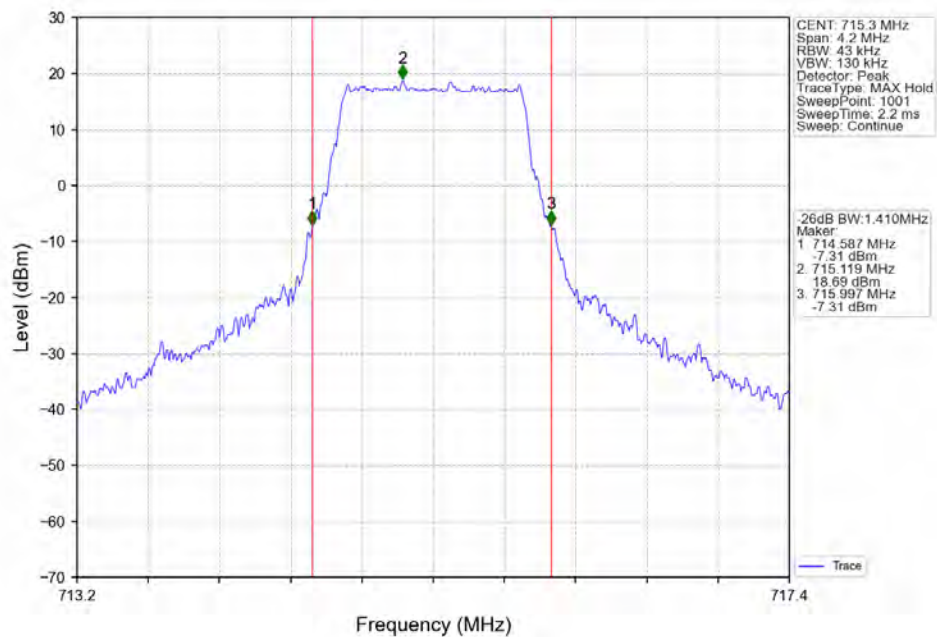
Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV



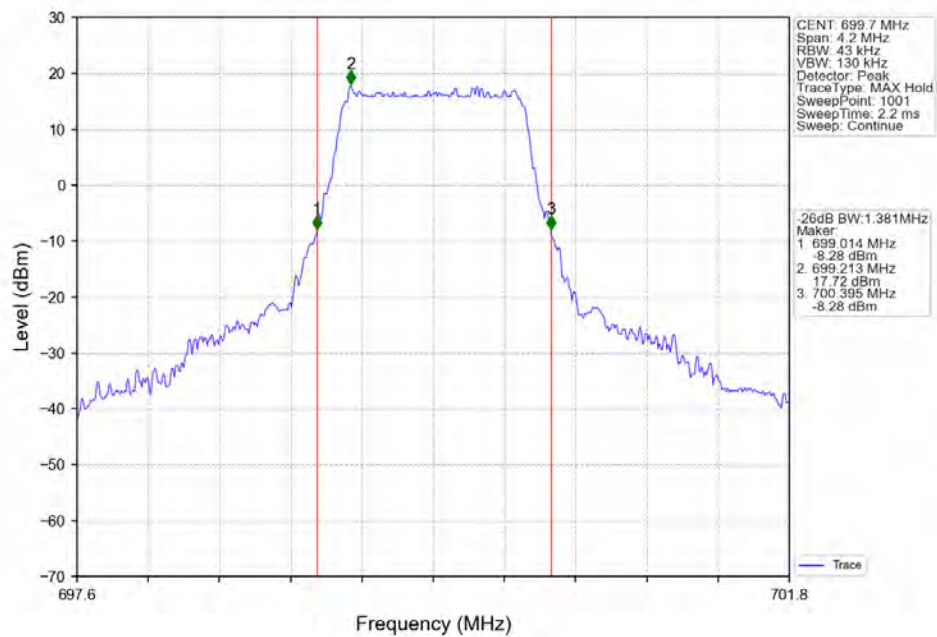
Band12 1.4MHz 16QAM MCH 707.5MHz RB 6 0 NTNV



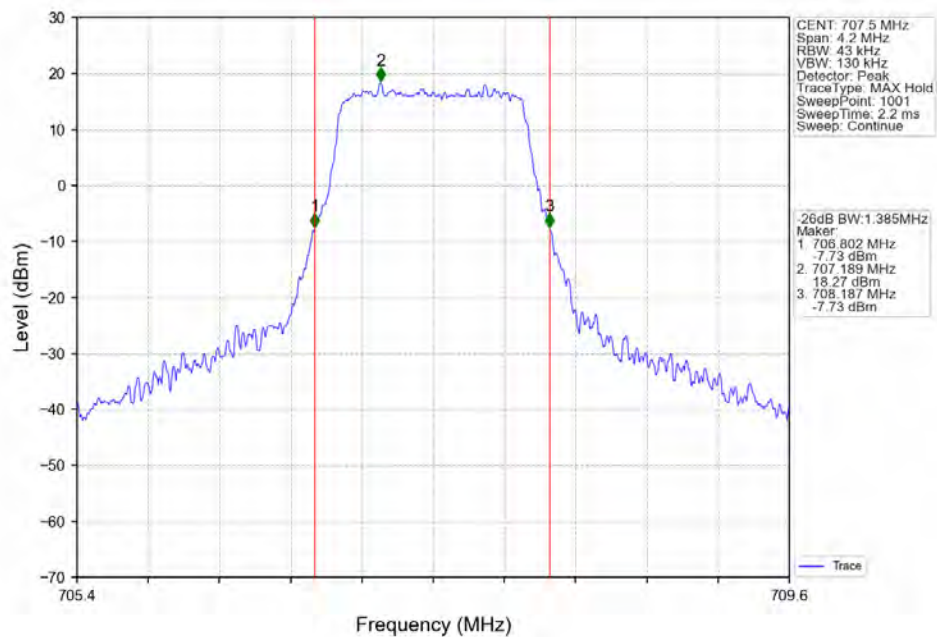
Band12 1.4MHz 16QAM HCH 715.3MHz RB 6 0 NTNV



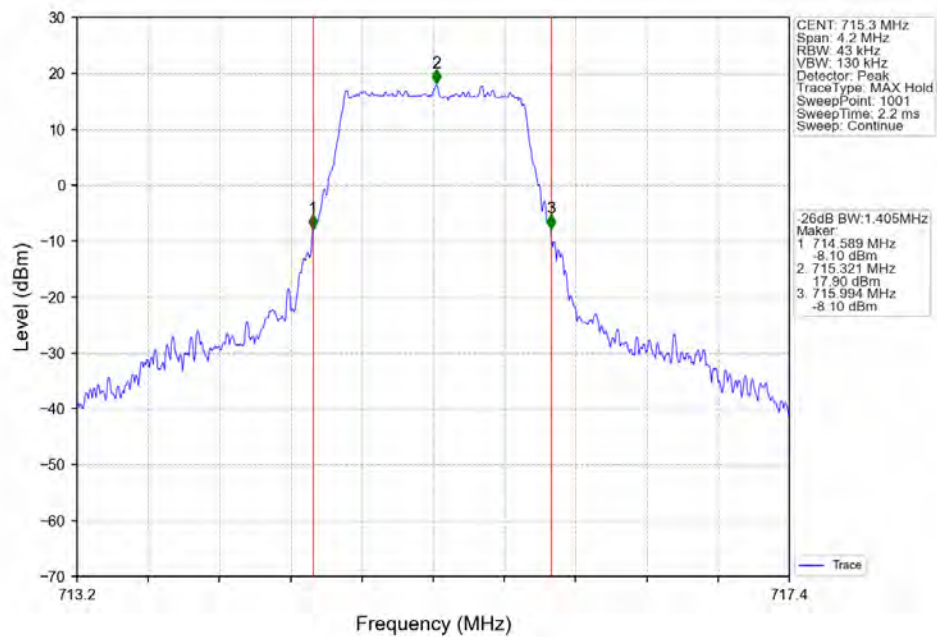
Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTNV



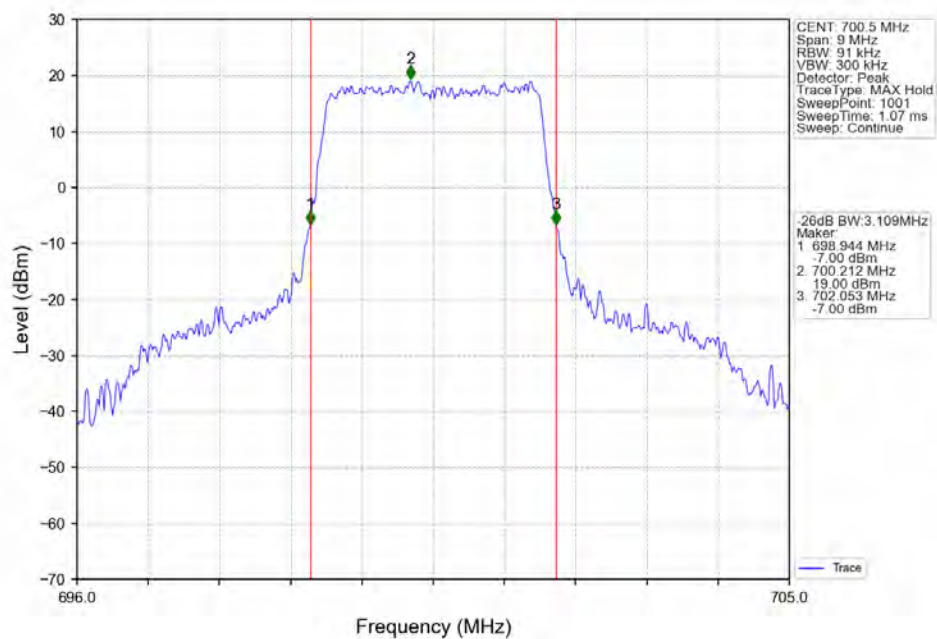
Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTNV



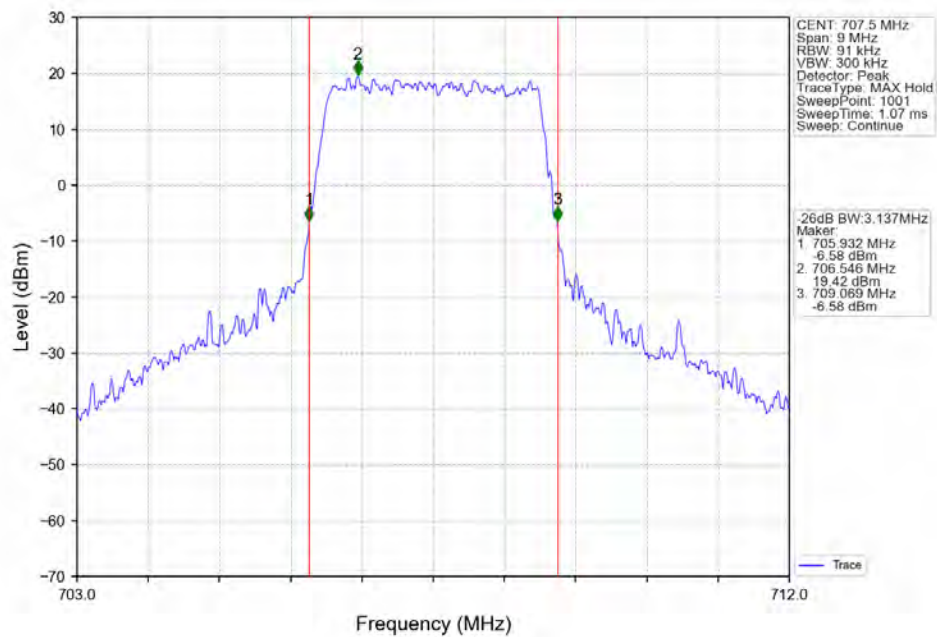
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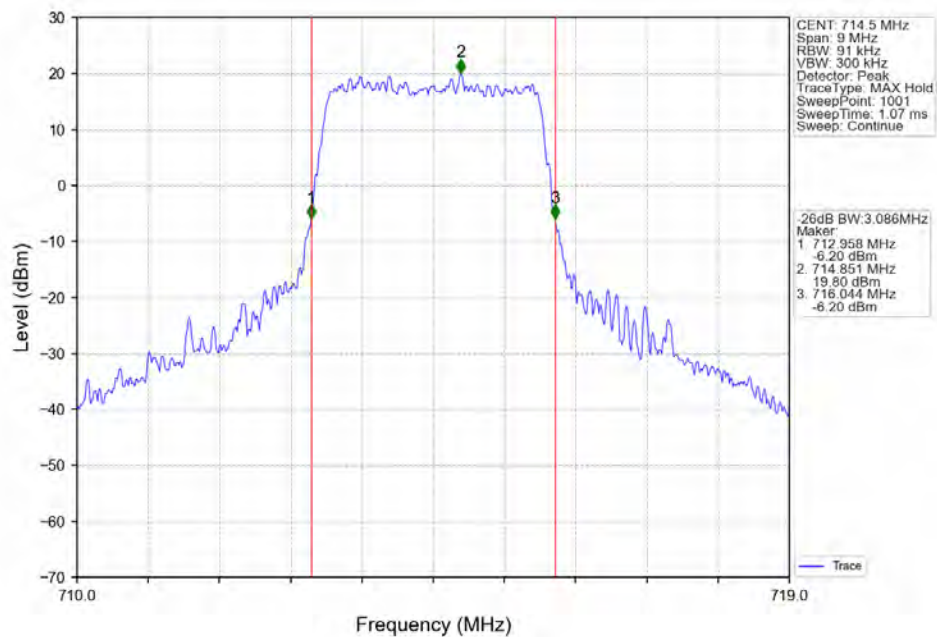
Band12 3MHz QPSK LCH 700.5MHz RB 15 0 NTNV



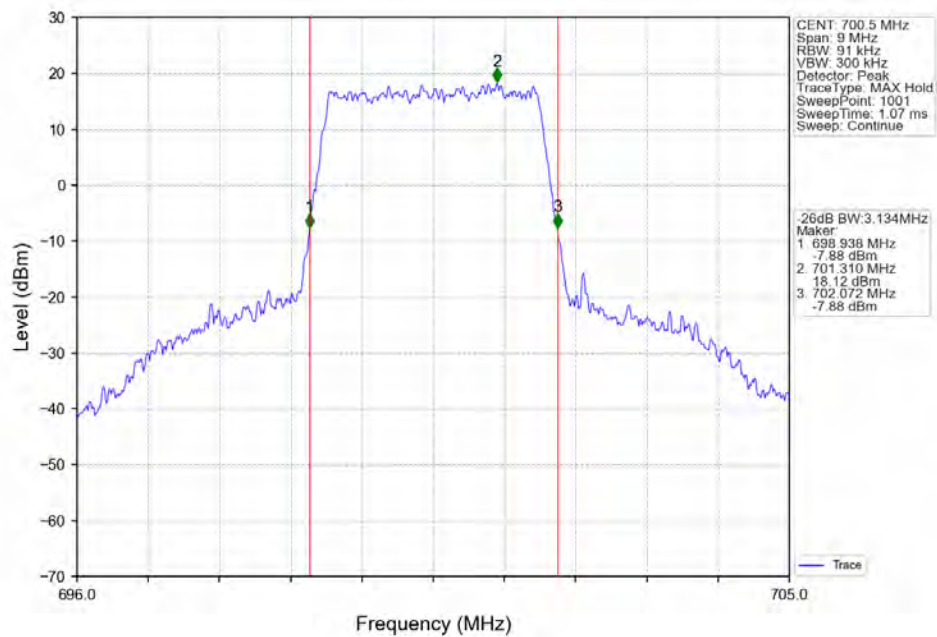
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



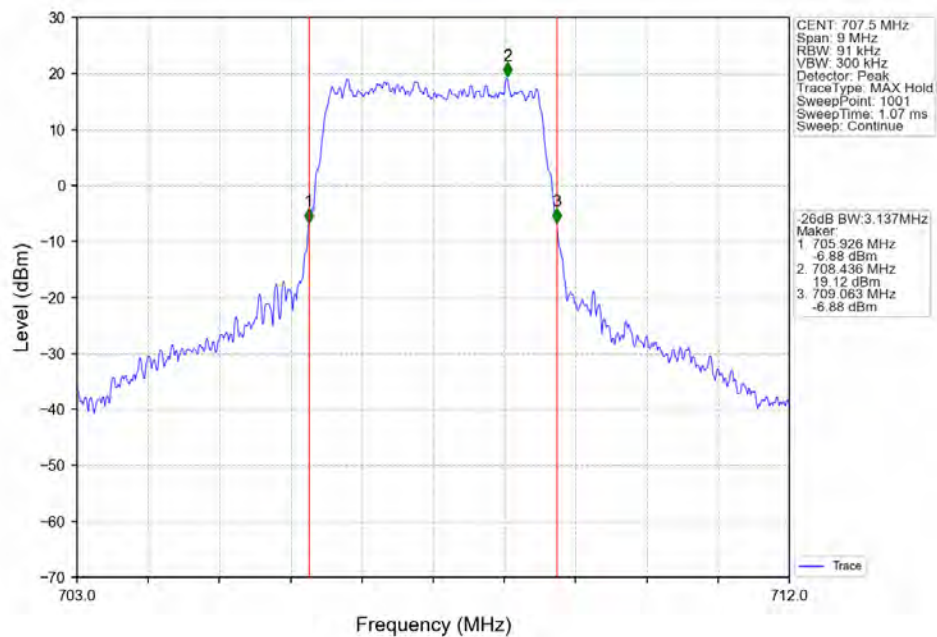
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



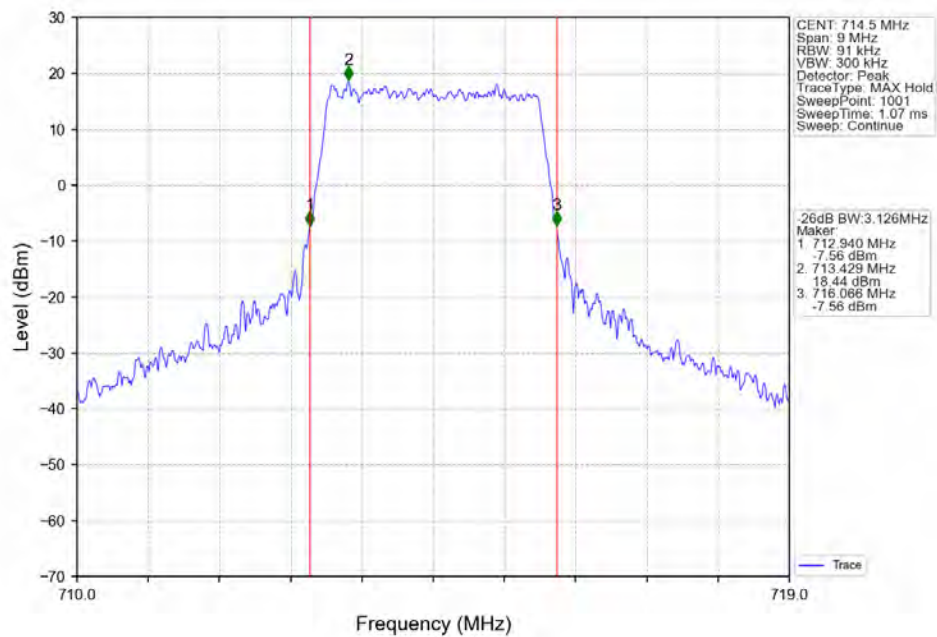
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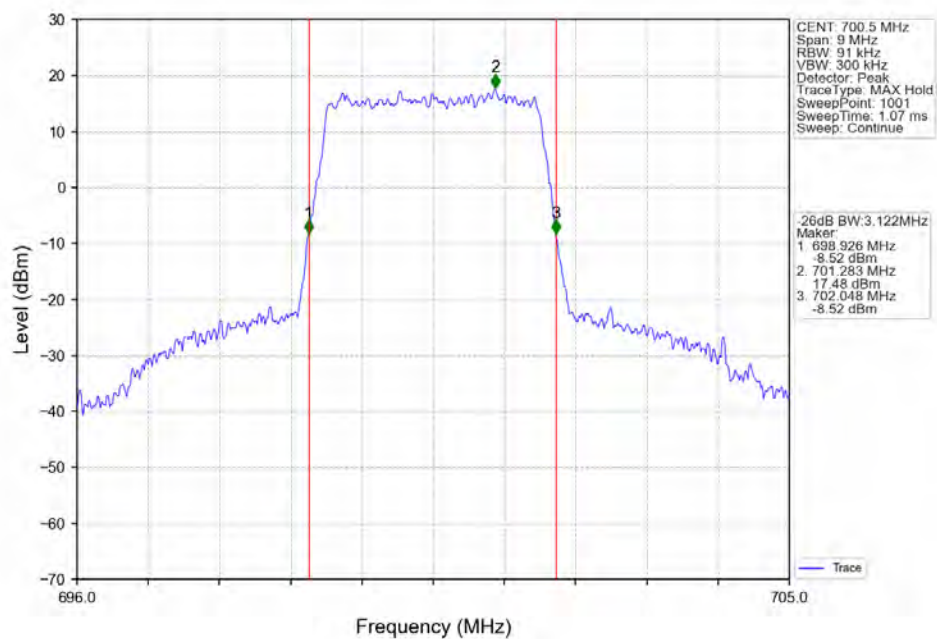
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV



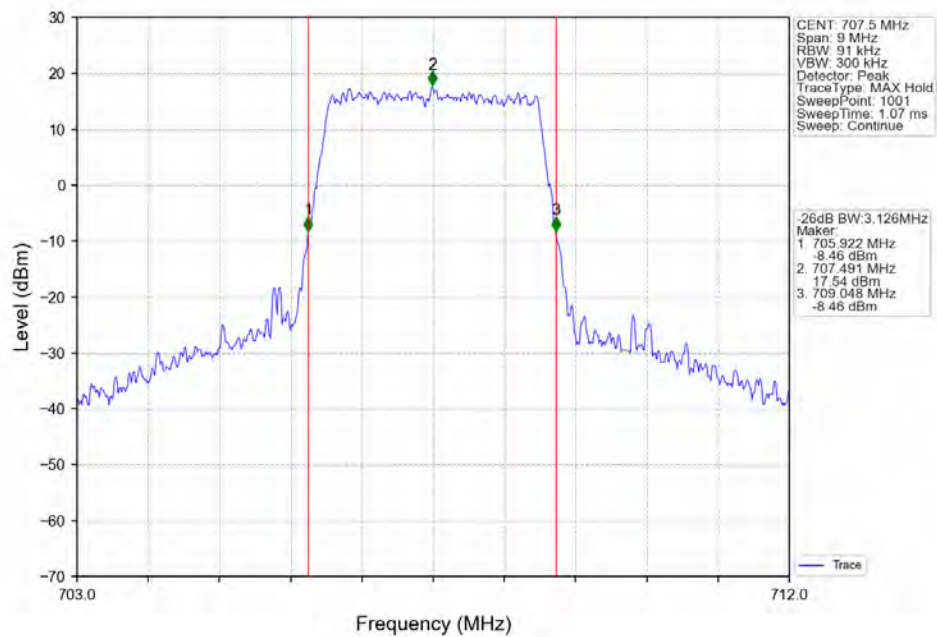
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTNV



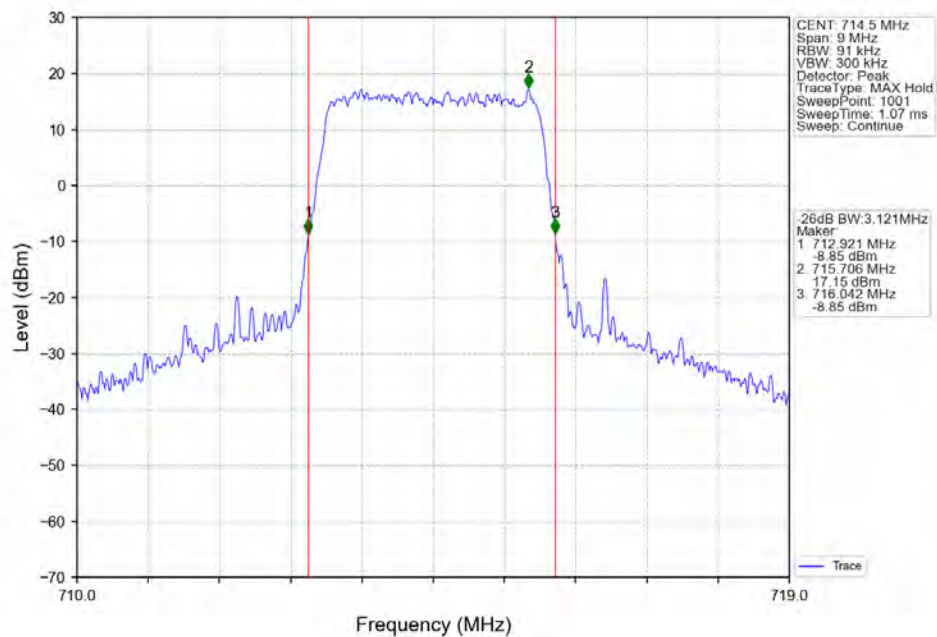
Band12 3MHz 64QAM LCH 700.5MHz RB 15 0 NTNV



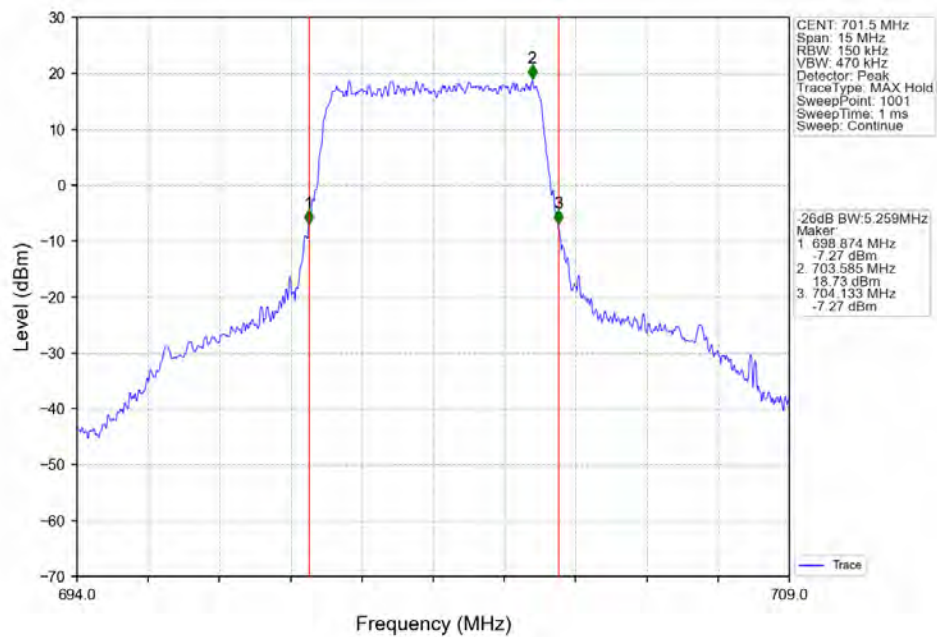
Band12 3MHz 64QAM MCH 707.5MHz RB 15 0 NTNV



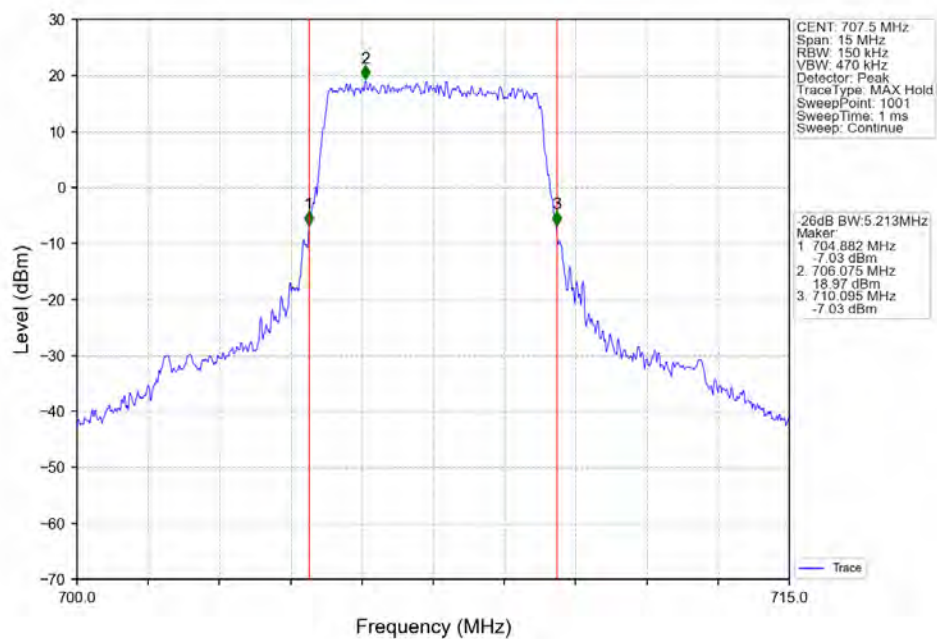
Band12 3MHz 64QAM HCH 714.5MHz RB 15 0 NTNV



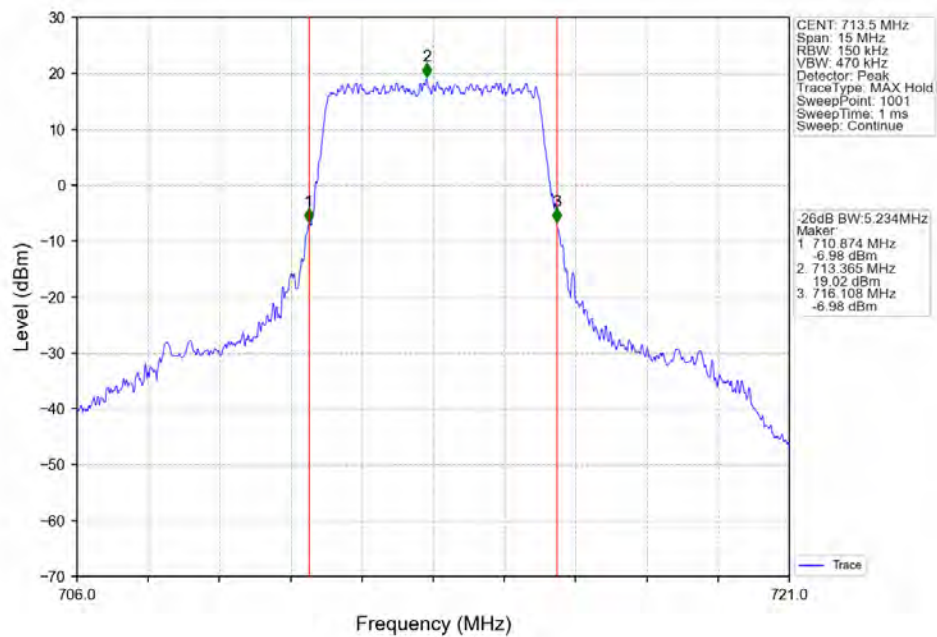
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



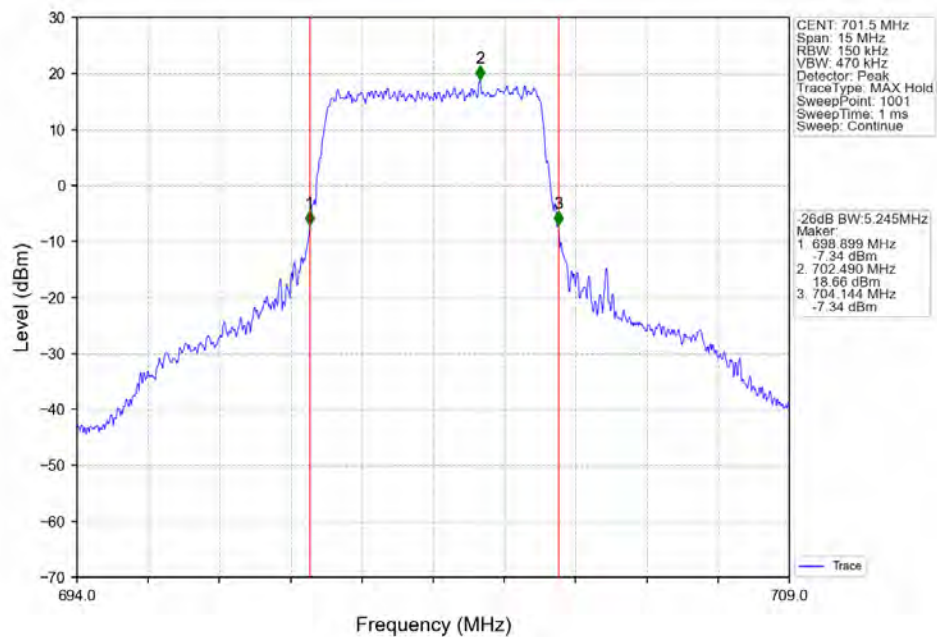
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV



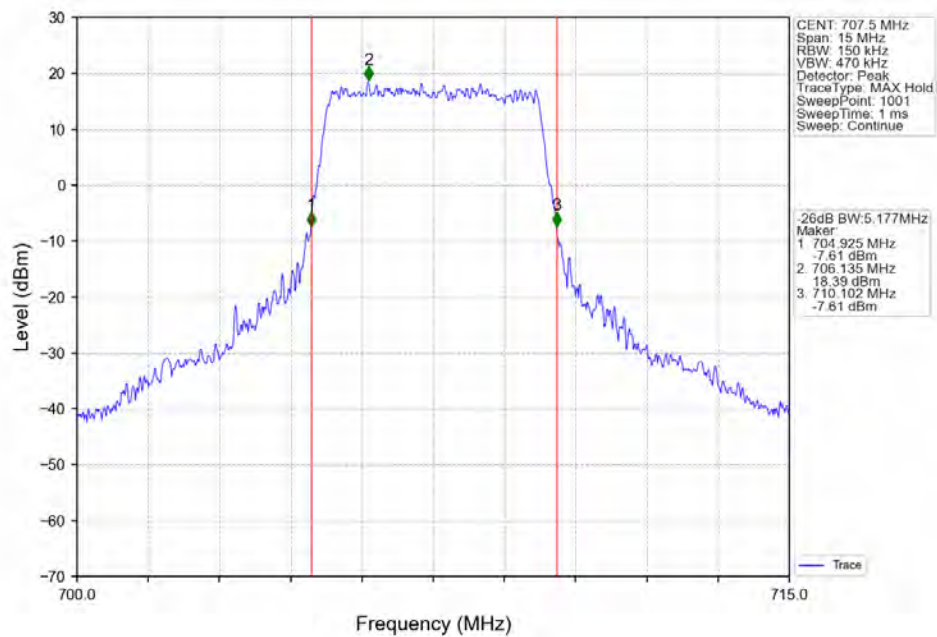
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



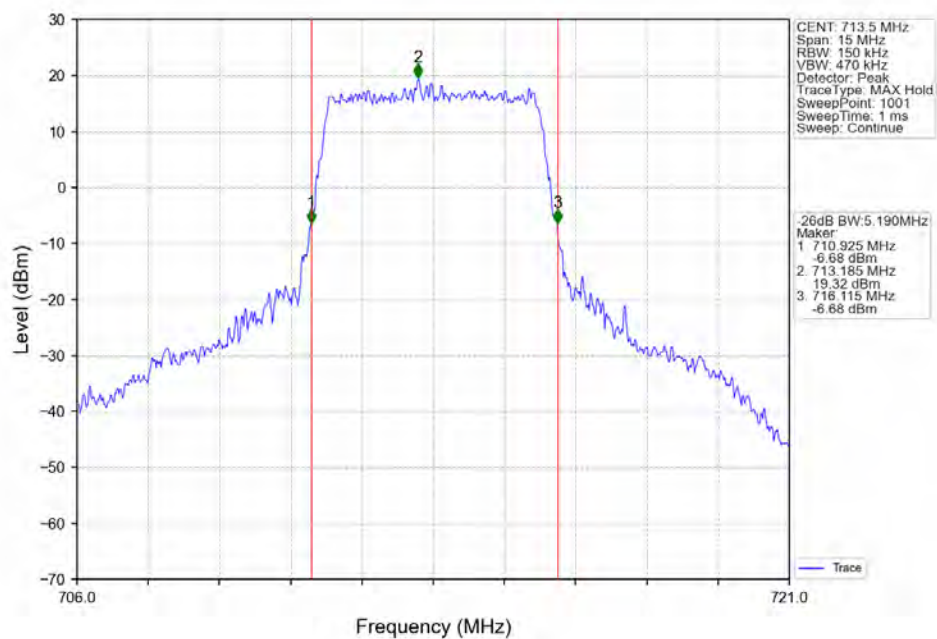
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



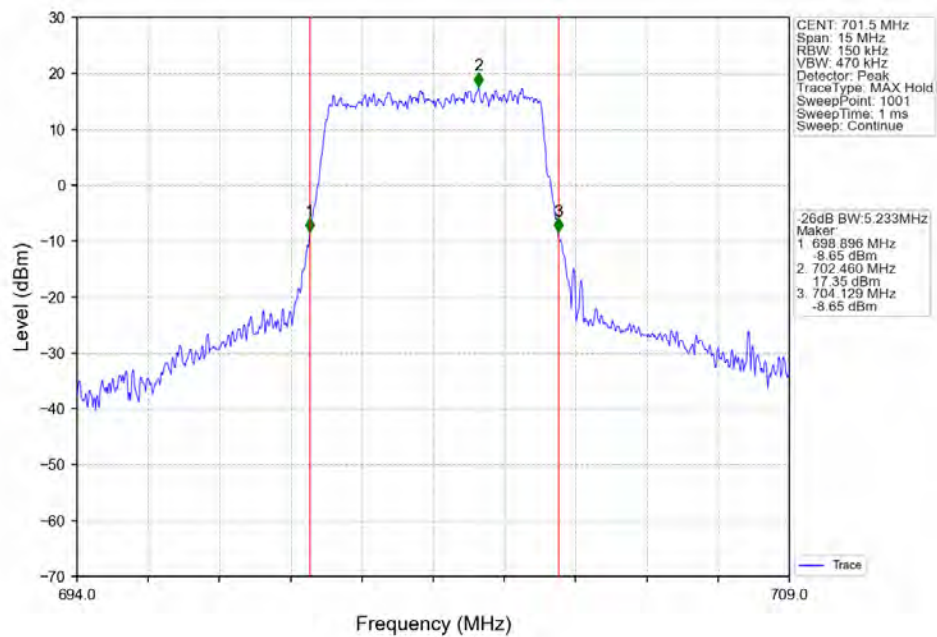
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTNV



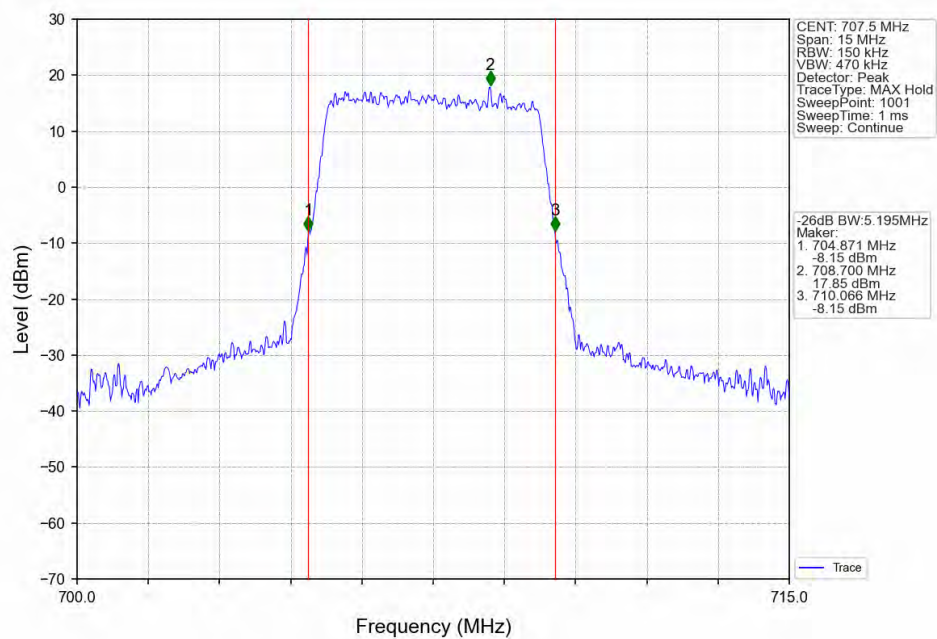
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



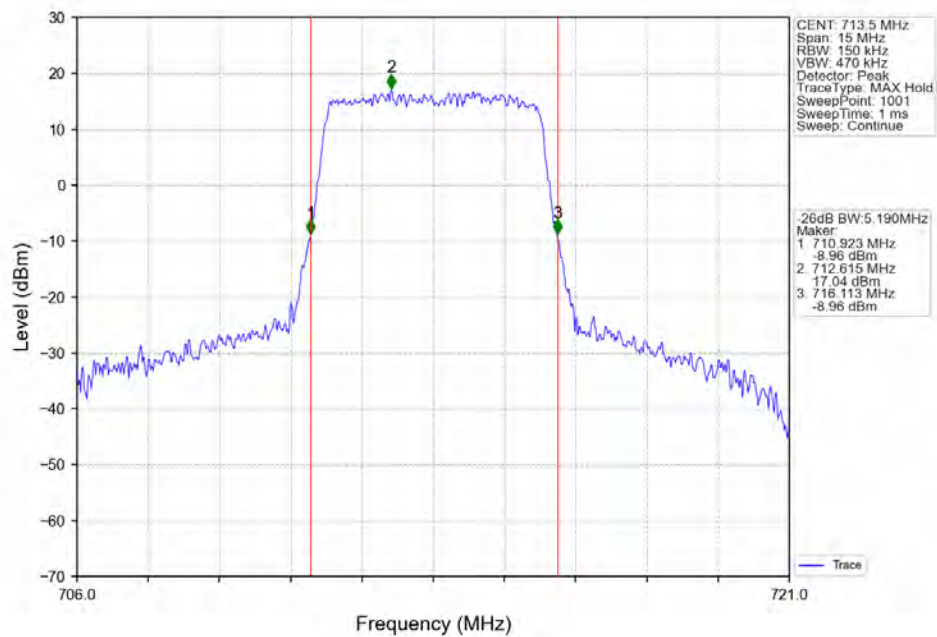
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



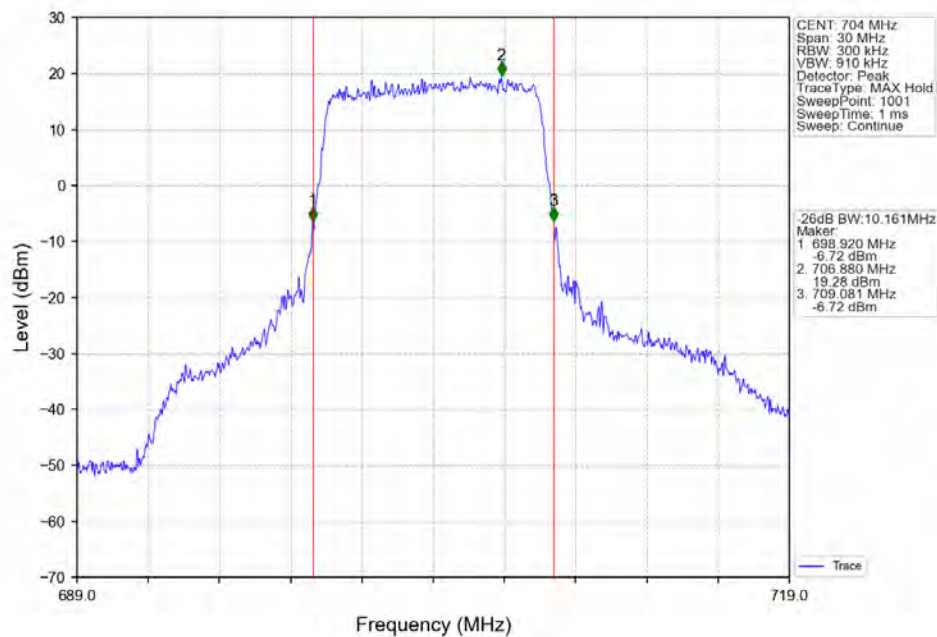
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



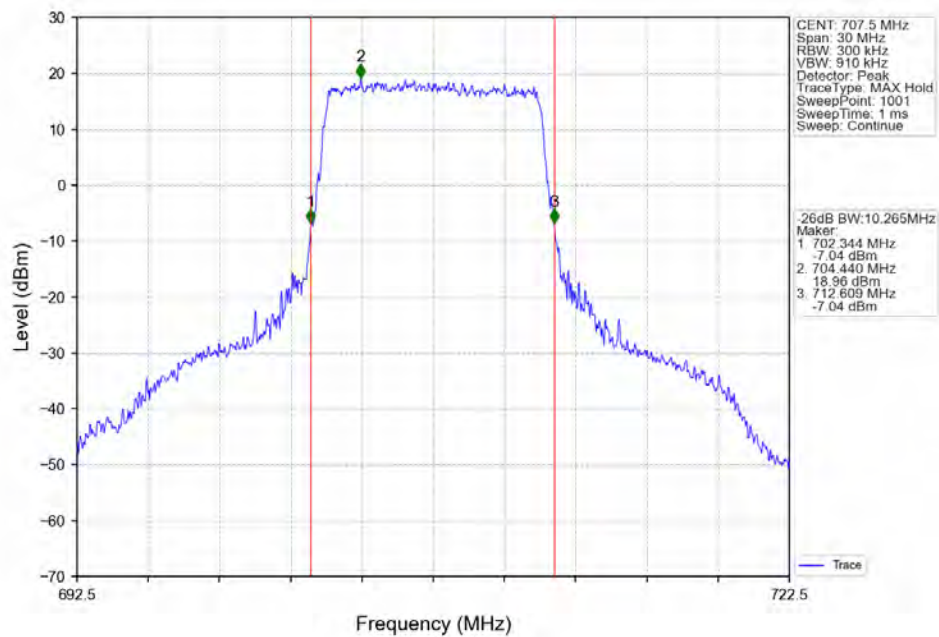
Band12 5MHz 64QAM HCH 713.5MHz RB 25 0 NTNV



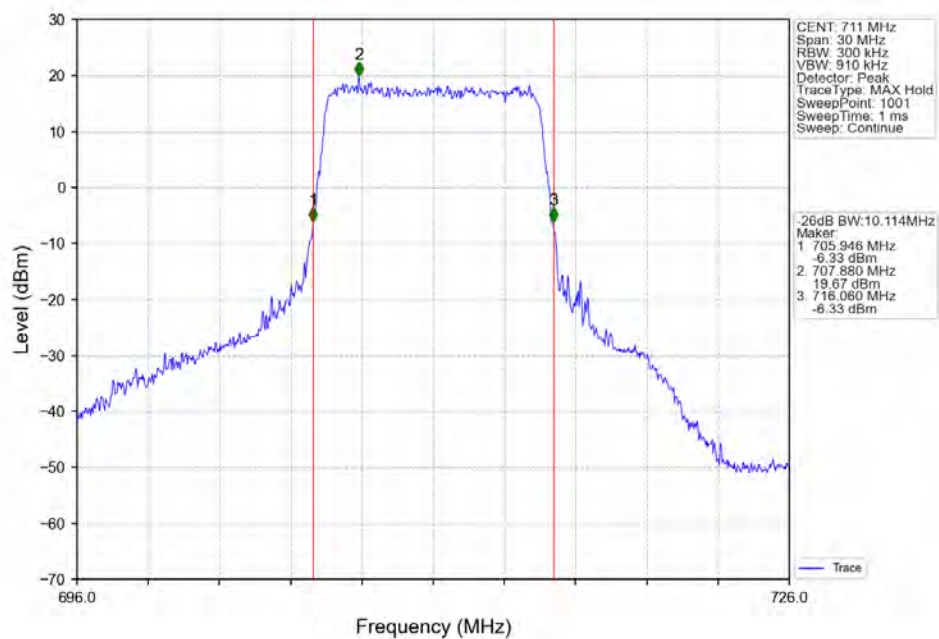
Band12 10MHz QPSK LCH 704MHz RB 50 0 NTNV



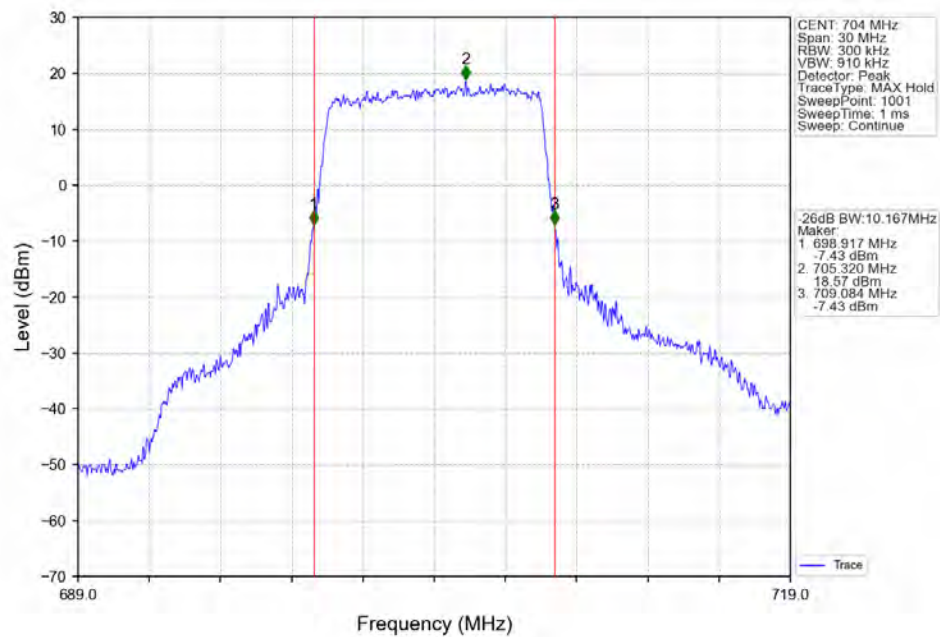
Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV



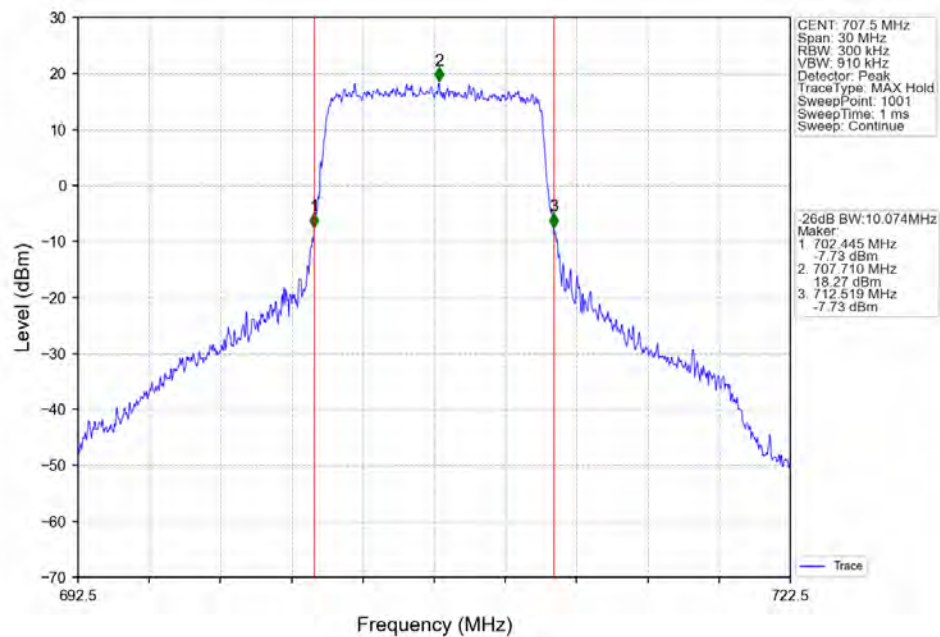
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



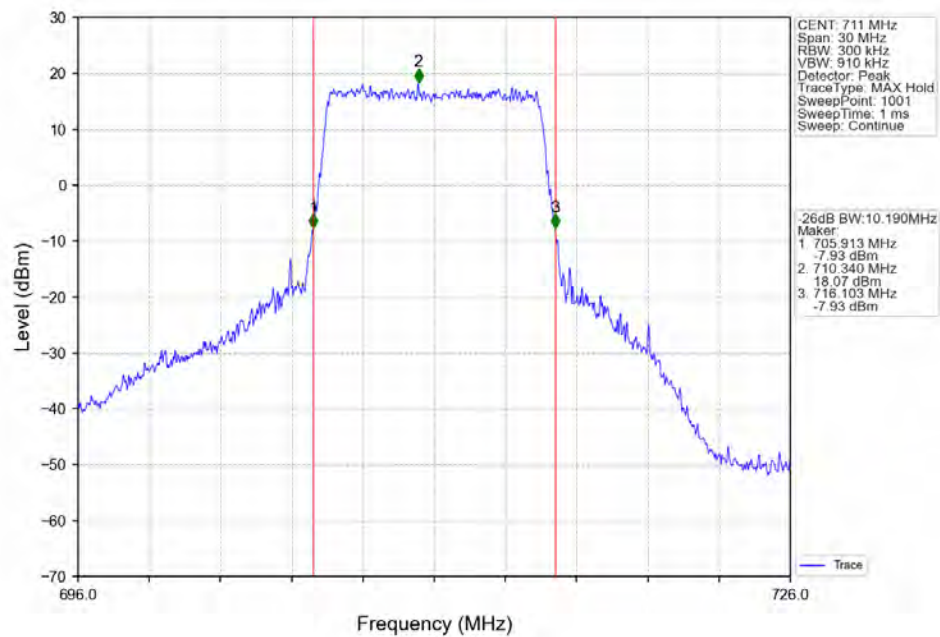
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



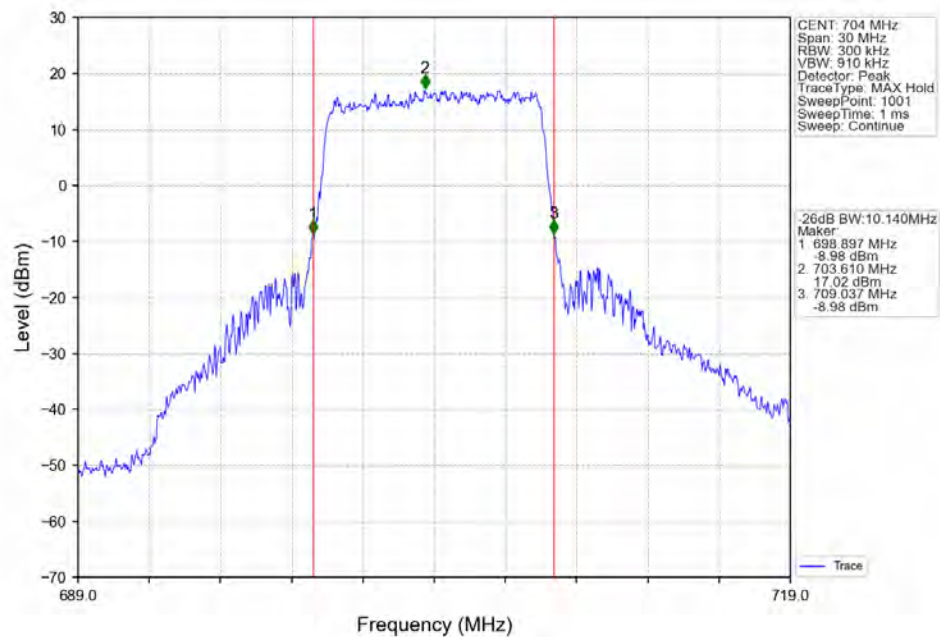
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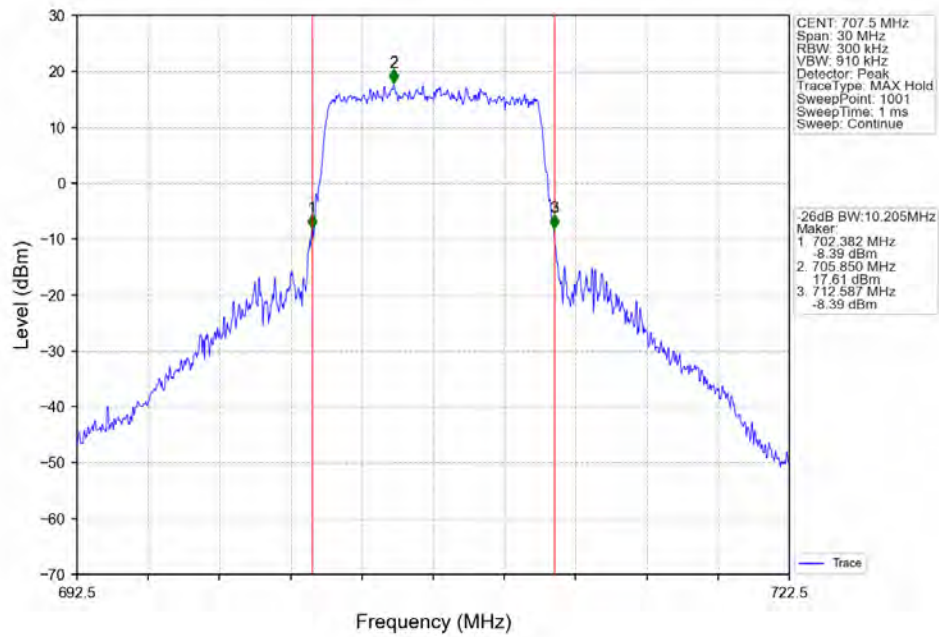
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



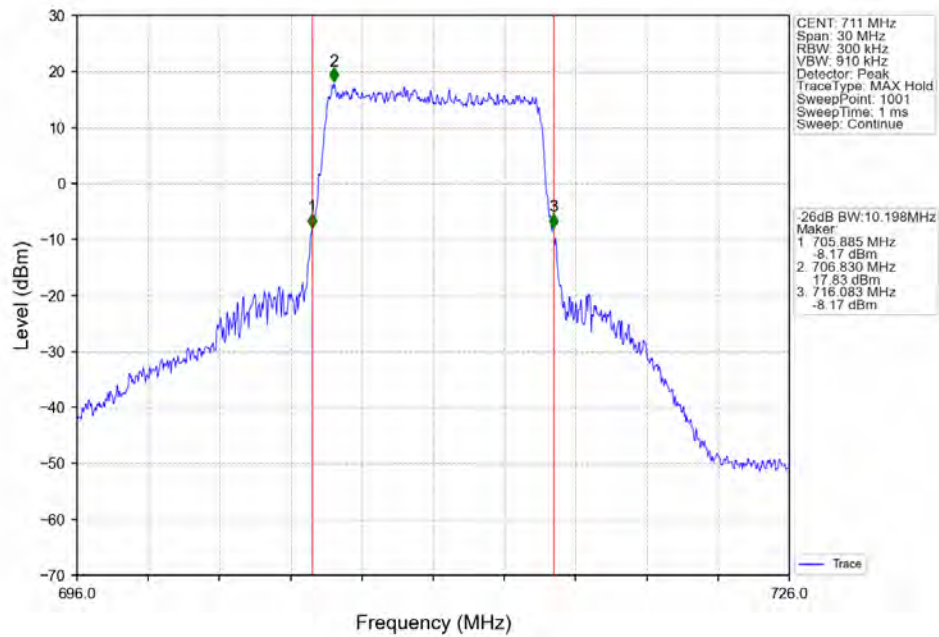
Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 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	5.00	<=13	Pass
	707.5	6	0	4.84	<=13	Pass
	715.3	6	0	4.79	<=13	Pass
16QAM	699.7	6	0	6.44	<=13	Pass
	707.5	6	0	6.22	<=13	Pass
	715.3	6	0	6.11	<=13	Pass
64QAM	699.7	6	0	8.35	<=13	Pass
	707.5	6	0	6.79	<=13	Pass
	715.3	6	0	8.78	<=13	Pass

4.1.2 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	4.95	<=13	Pass
	707.5	15	0	4.79	<=13	Pass
	714.5	15	0	4.78	<=13	Pass
16QAM	700.5	15	0	6.44	<=13	Pass
	707.5	15	0	6.25	<=13	Pass
	714.5	15	0	6.22	<=13	Pass
64QAM	700.5	15	0	6.96	<=13	Pass
	707.5	15	0	6.77	<=13	Pass
	714.5	15	0	9.26	<=13	Pass

4.1.3 B12_5MHz

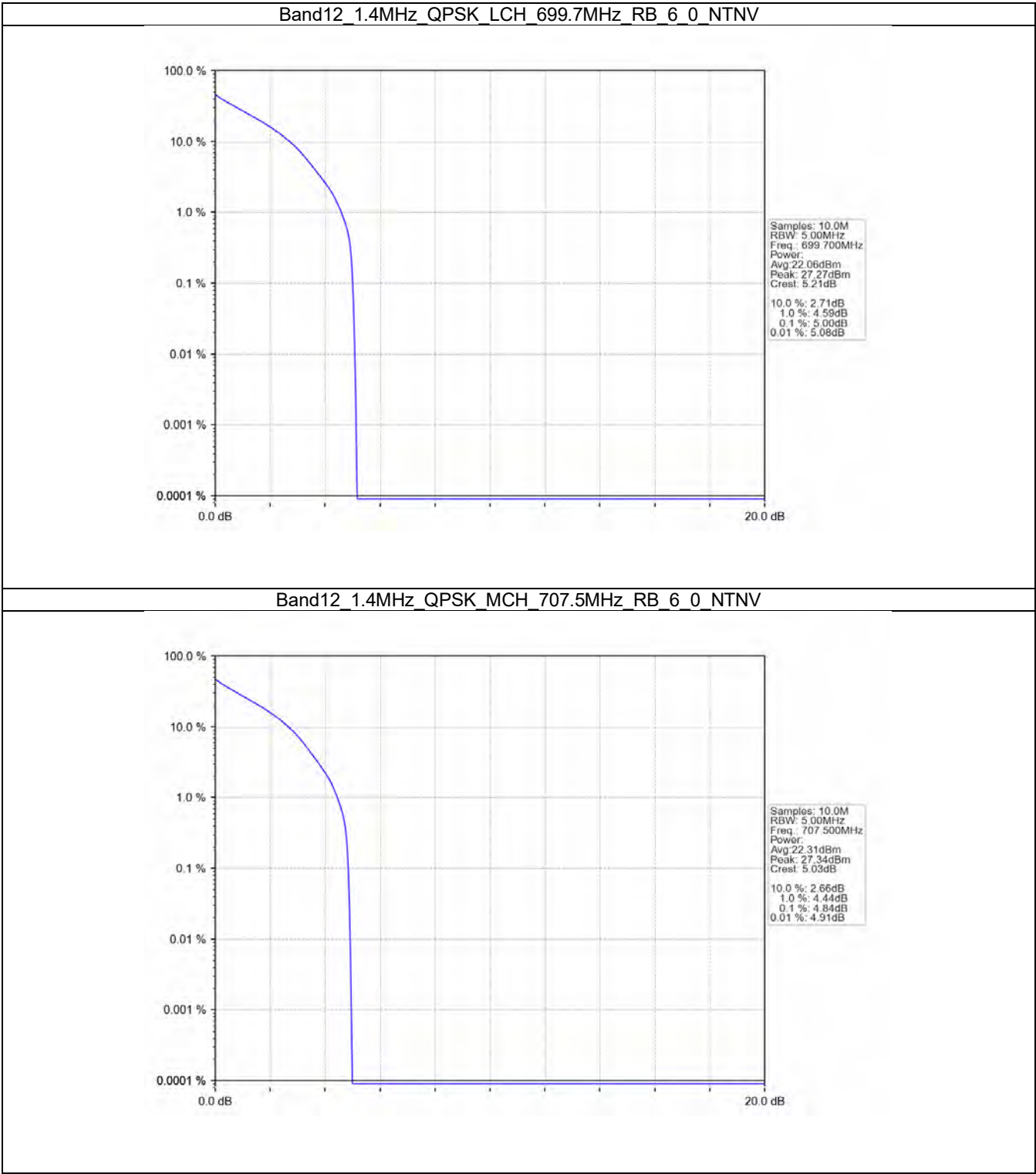
Band: 12 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	25	0	5.05	<=13	Pass
	707.5	25	0	4.89	<=13	Pass
	713.5	25	0	4.93	<=13	Pass
16QAM	701.5	25	0	6.15	<=13	Pass
	707.5	25	0	6.00	<=13	Pass
	713.5	25	0	6.04	<=13	Pass
64QAM	701.5	25	0	9.66	<=13	Pass
	707.5	25	0	9.32	<=13	Pass
	713.5	25	0	9.40	<=13	Pass

4.1.4 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	4.86	<=13	Pass
	707.5	50	0	4.85	<=13	Pass
	711	50	0	5.00	<=13	Pass
16QAM	704	50	0	6.01	<=13	Pass
	707.5	50	0	5.98	<=13	Pass
	711	50	0	6.08	<=13	Pass
64QAM	704	50	0	6.61	<=13	Pass
	707.5	50	0	6.62	<=13	Pass
	711	50	0	9.72	<=13	Pass

4.2 Test Graph

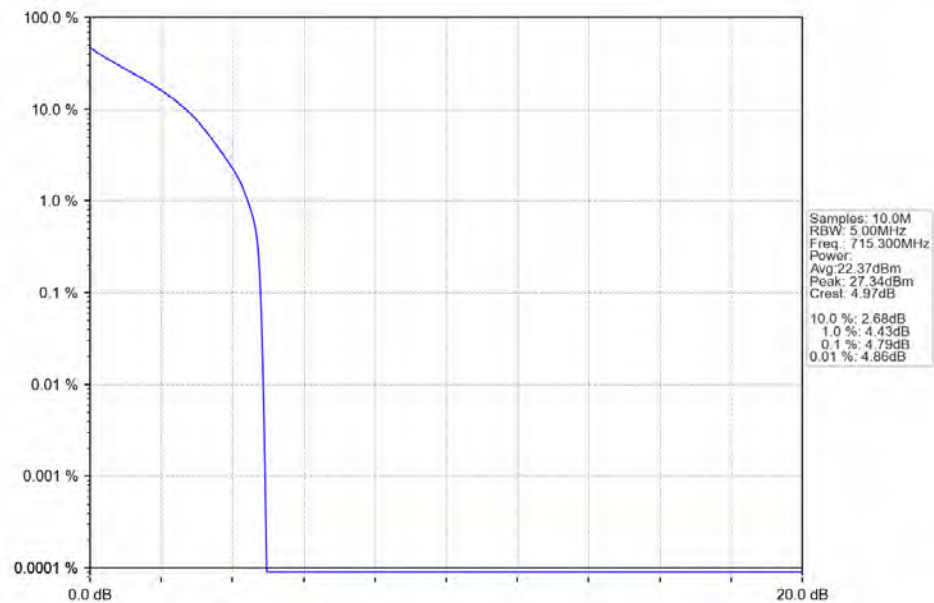
4.2.1 B12_1.4MHz



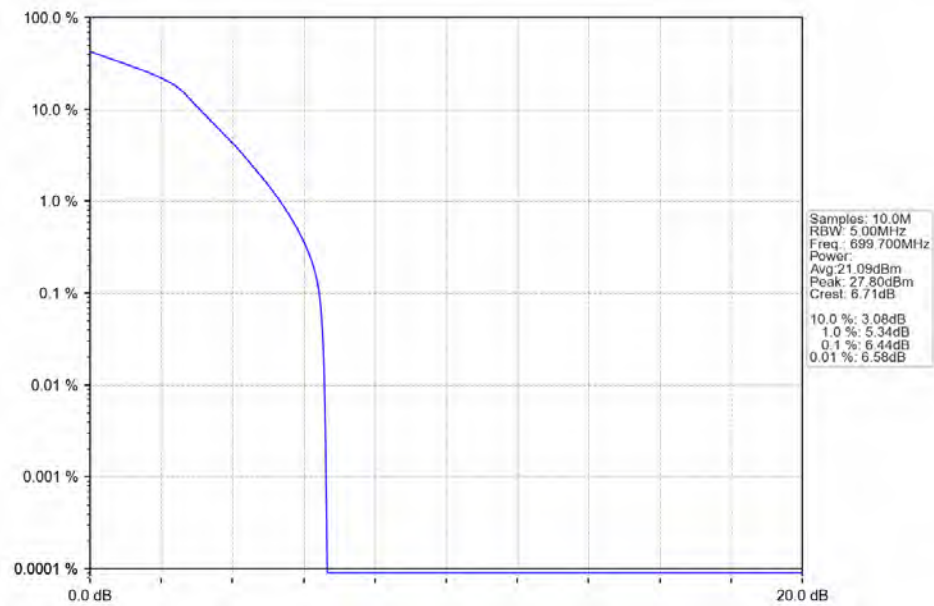
Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV

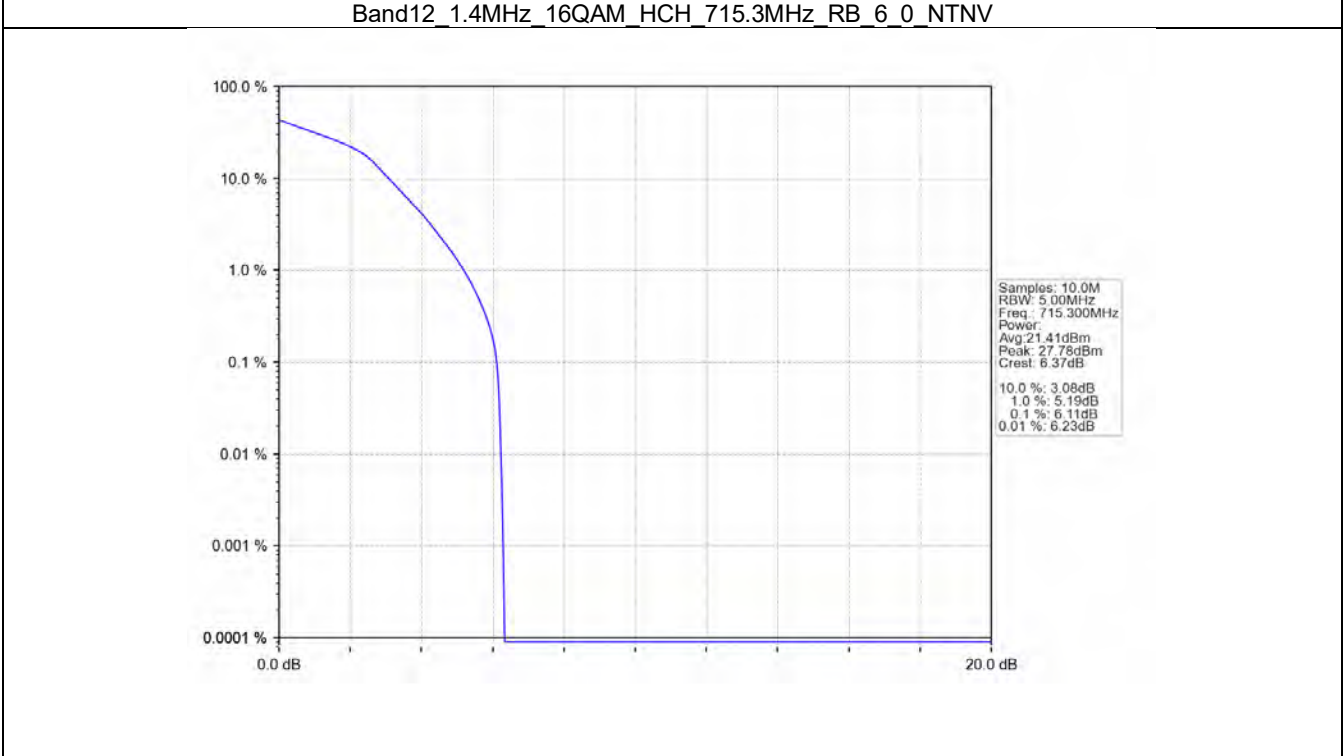
Samples: 10.0M
RBW: 5.00MHz
Freq: 707.500MHz
Power:
Avg: 22.31dBm
Peak: 27.34dBm
Crest: 5.03dB

Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV

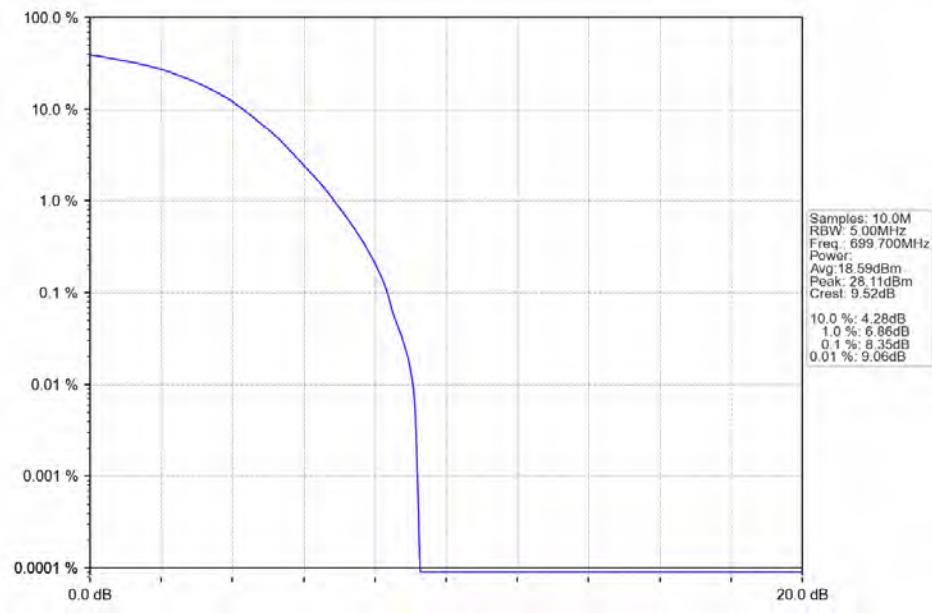


Band12 1.4MHz 16QAM LCH 699.7MHz RB 6 0 NTV

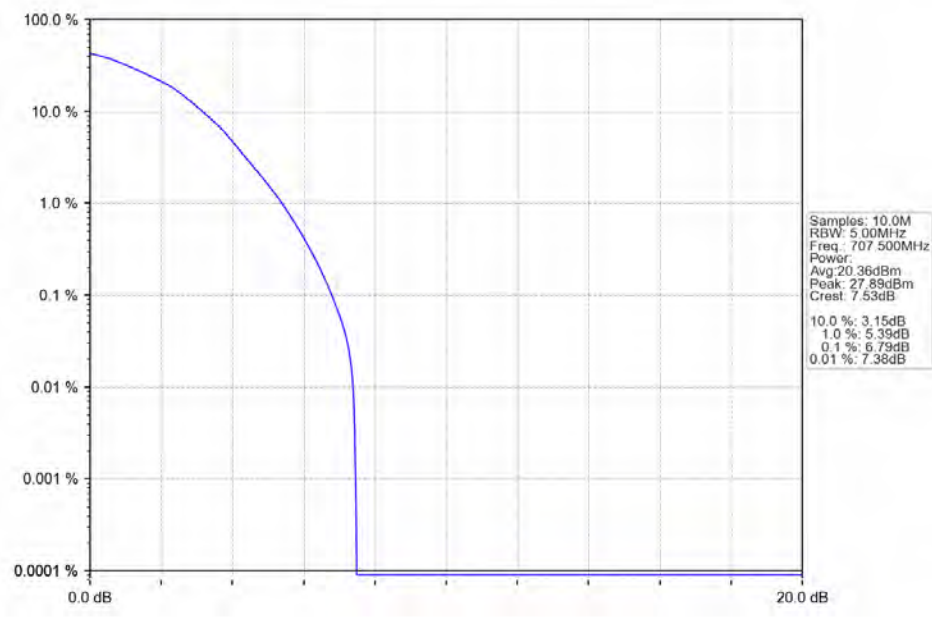




Band12 1.4MHz 64QAM LCH 699.7MHz RB 6 0 NTV

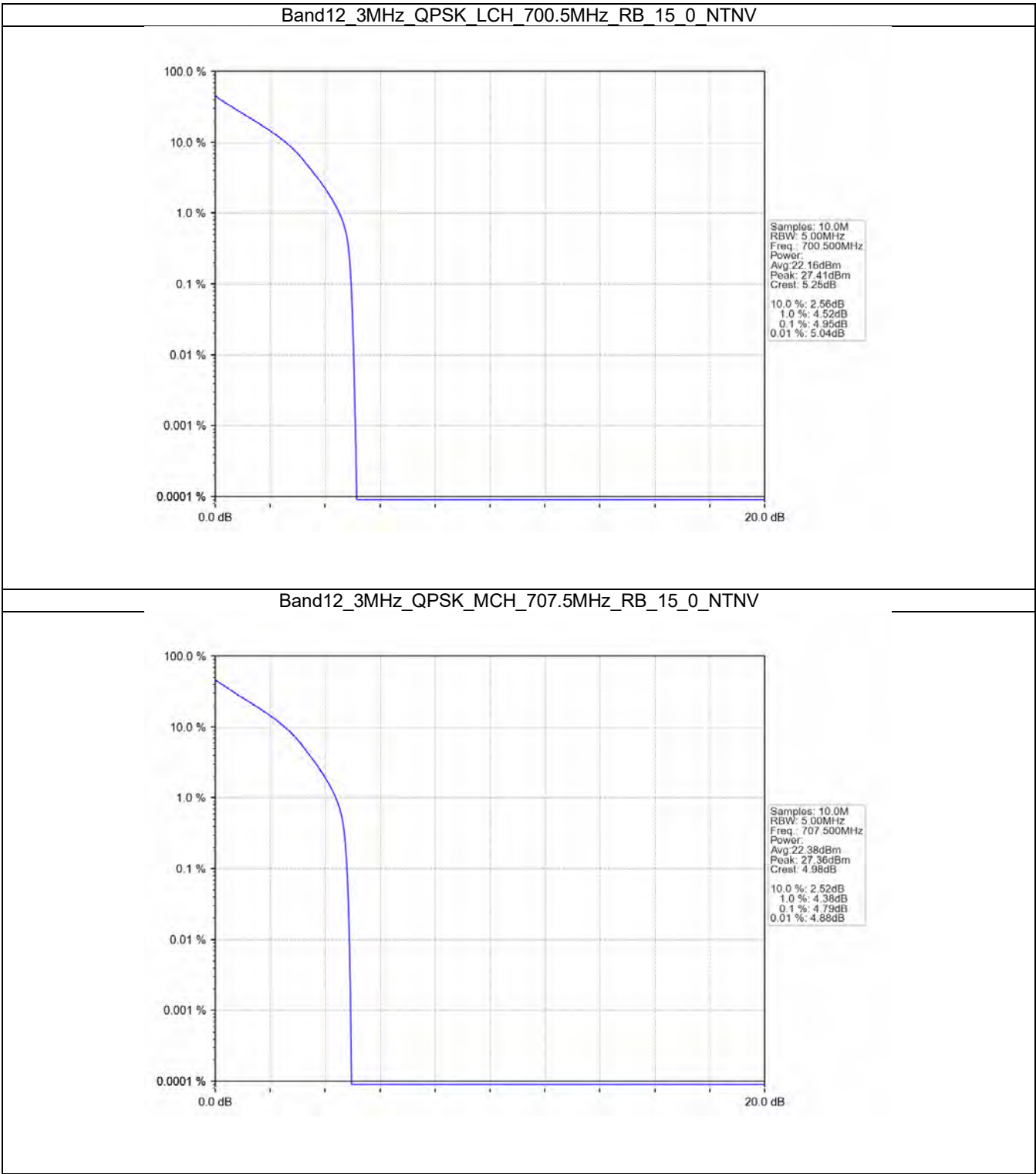


Band12 1.4MHz 64QAM MCH 707.5MHz RB 6 0 NTV

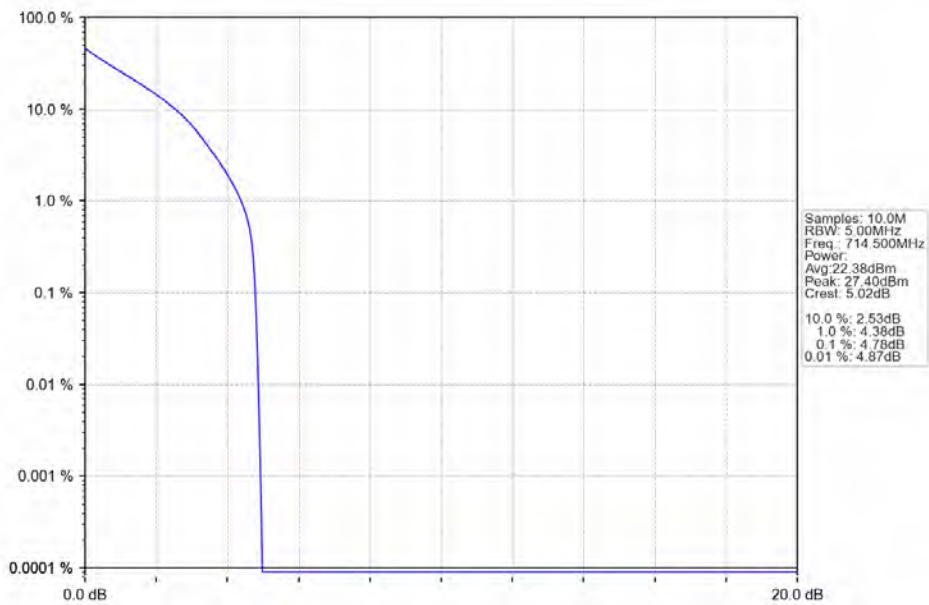




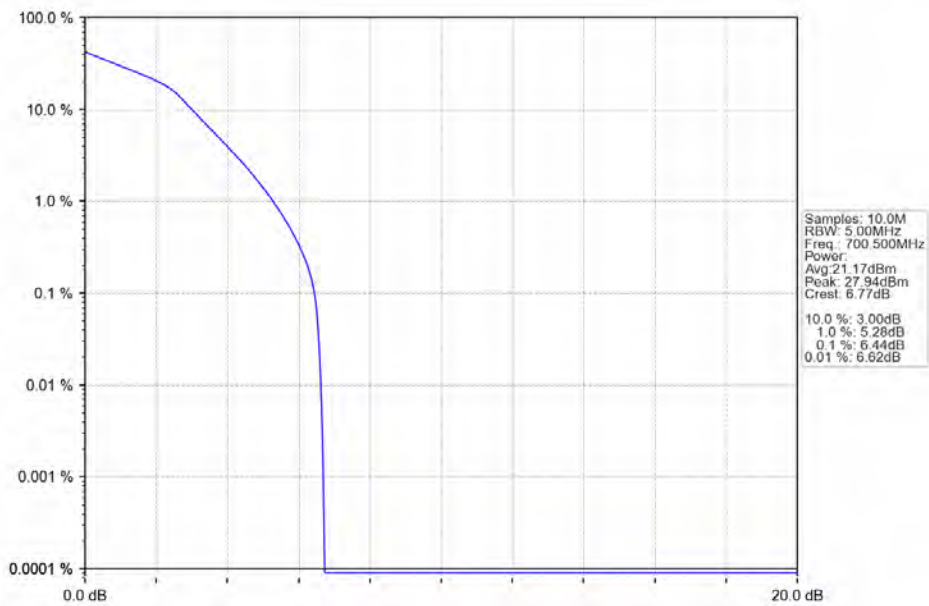
4.2.2 B12_3MHz



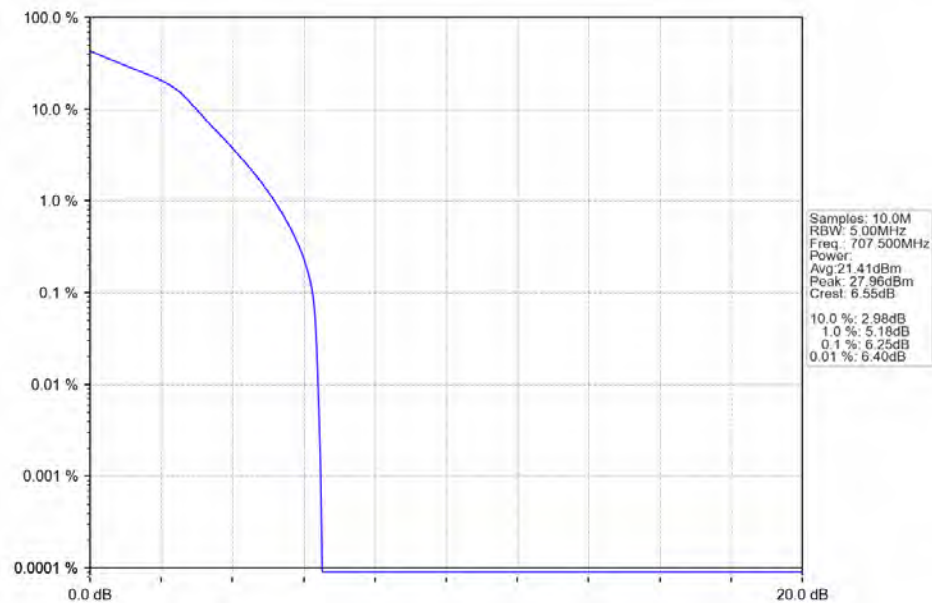
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



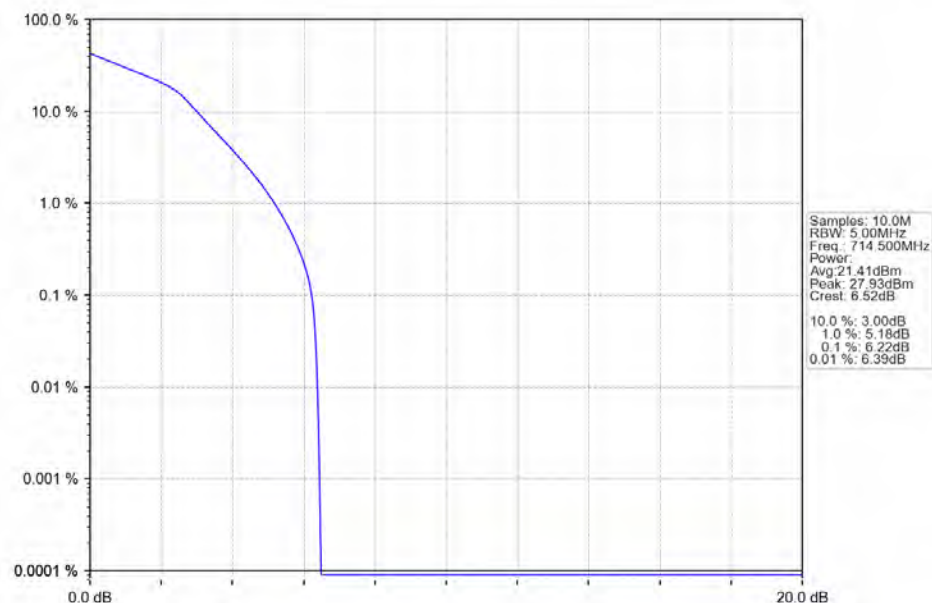
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV



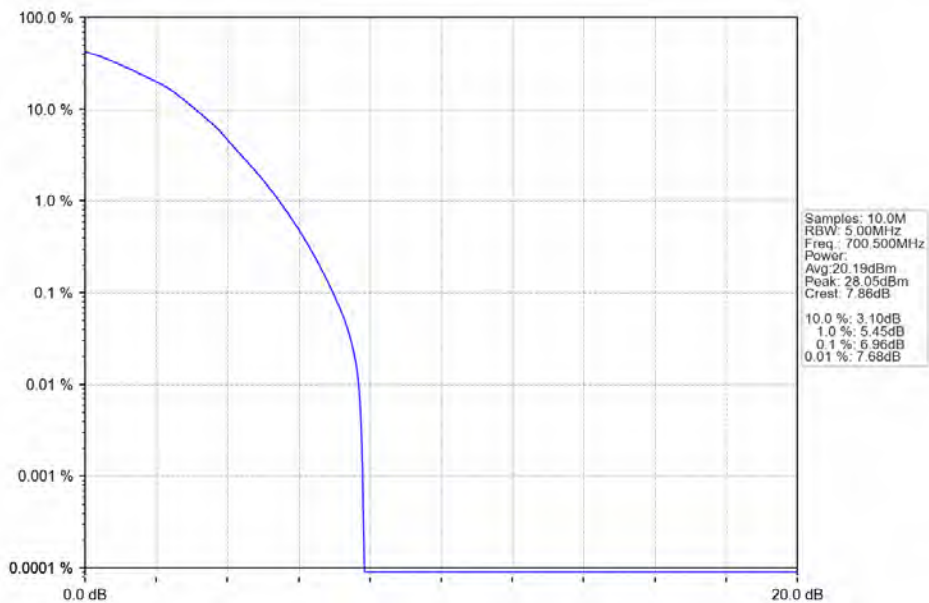
Band12 3MHz 16QAM MCH 707.5MHz RB 15 0 NTV



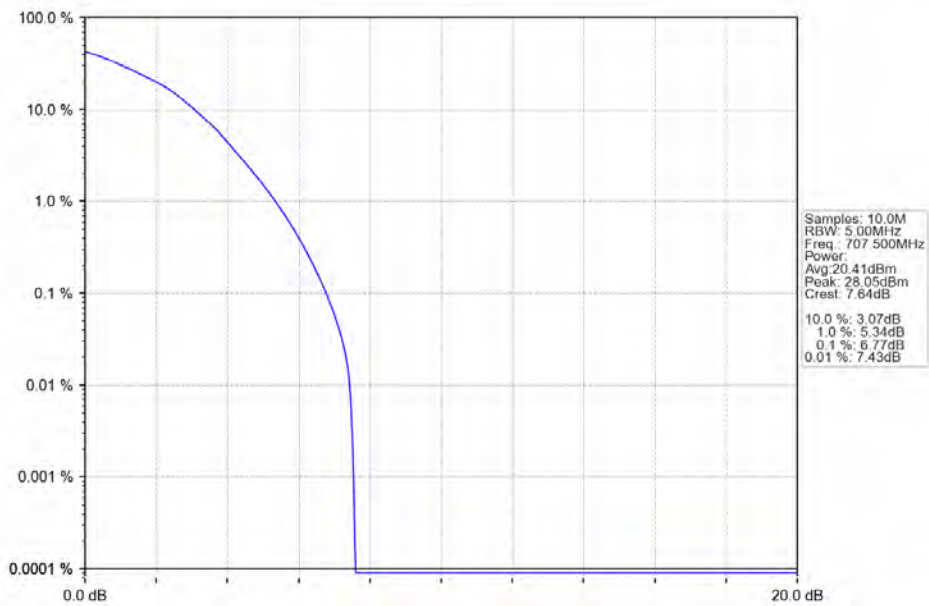
Band12 3MHz 16QAM HCH 714.5MHz RB 15 0 NTV



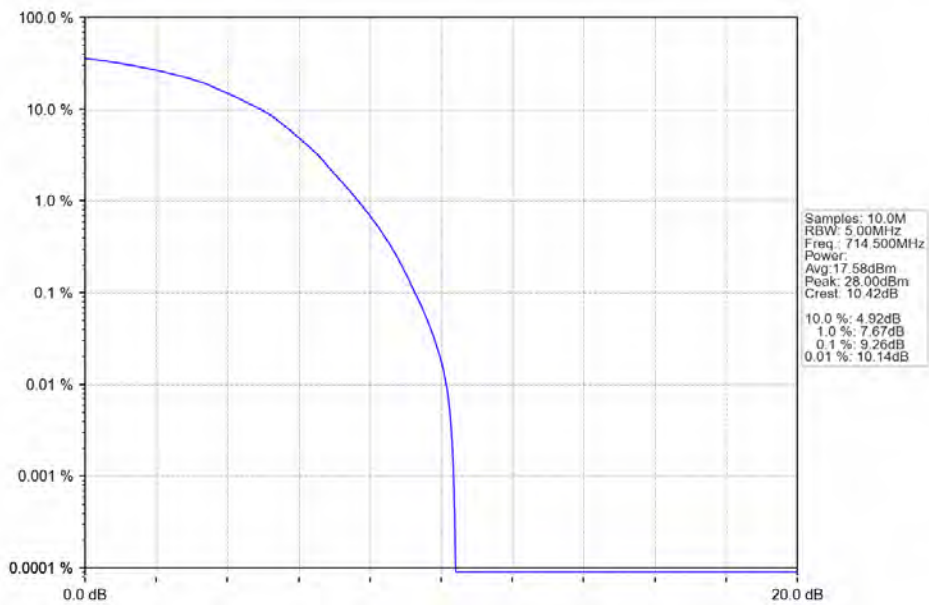
Band12_3MHz_64QAM_LCH_700.5MHz_RB_15_0_NTNV



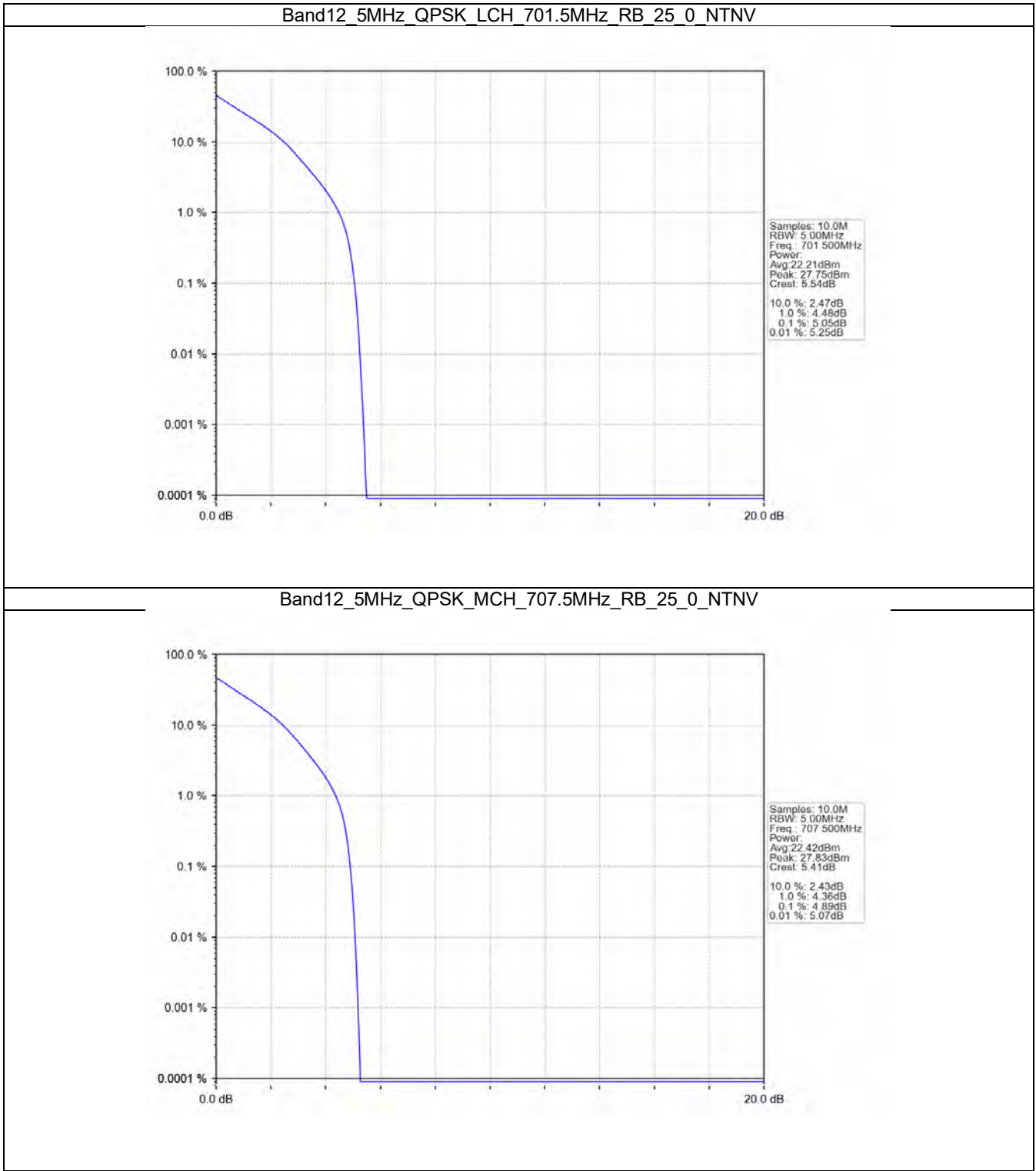
Band12_3MHz_64QAM_MCH_707.5MHz_RB_15_0_NTNV



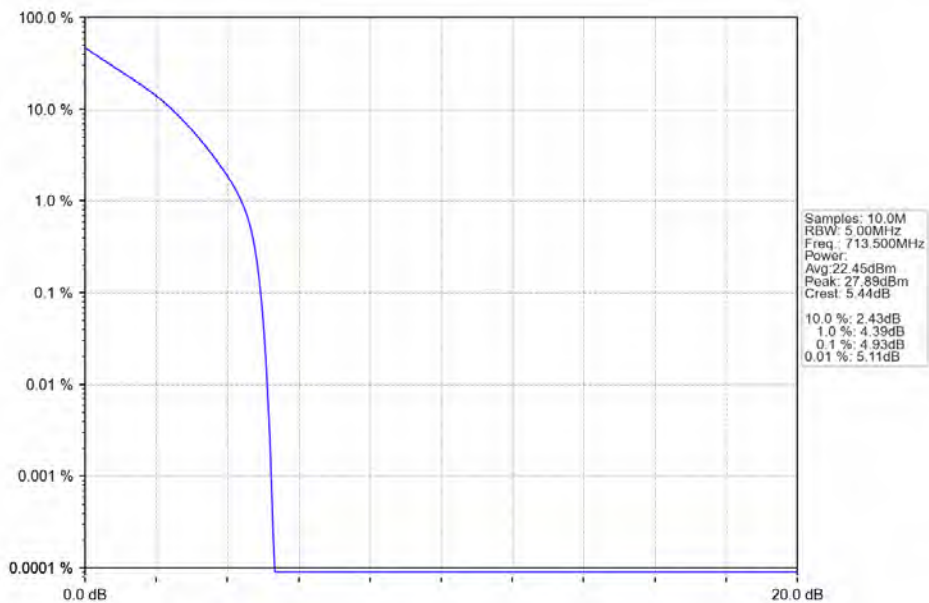
Band12 3MHz 64QAM HCH 714.5MHz RB 15 0 NTV



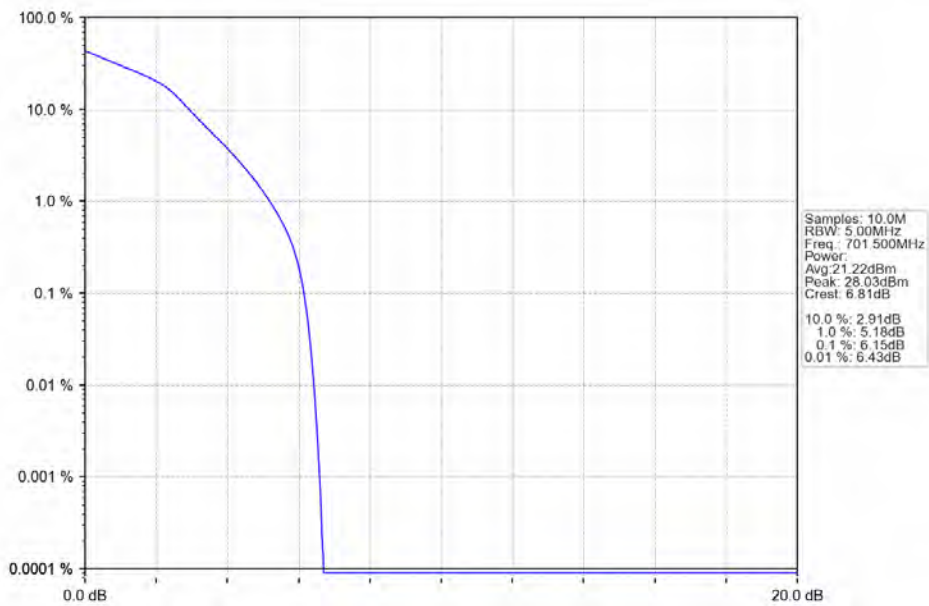
4.2.3 B12_5MHz



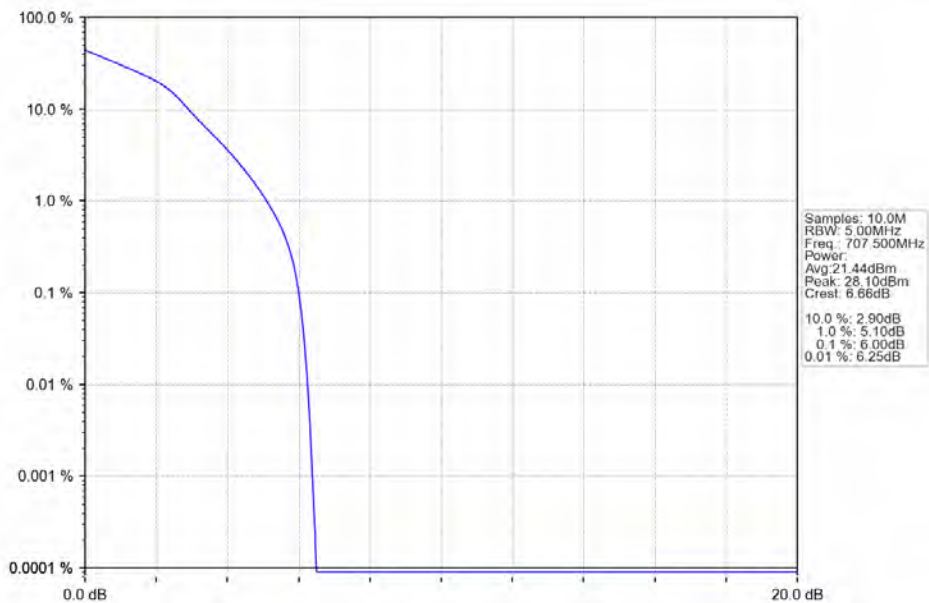
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



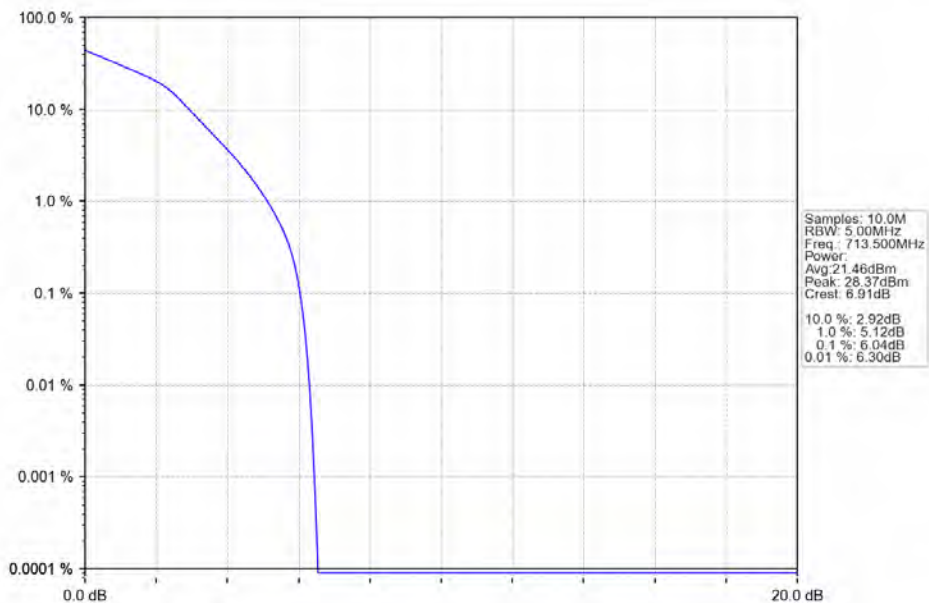
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV



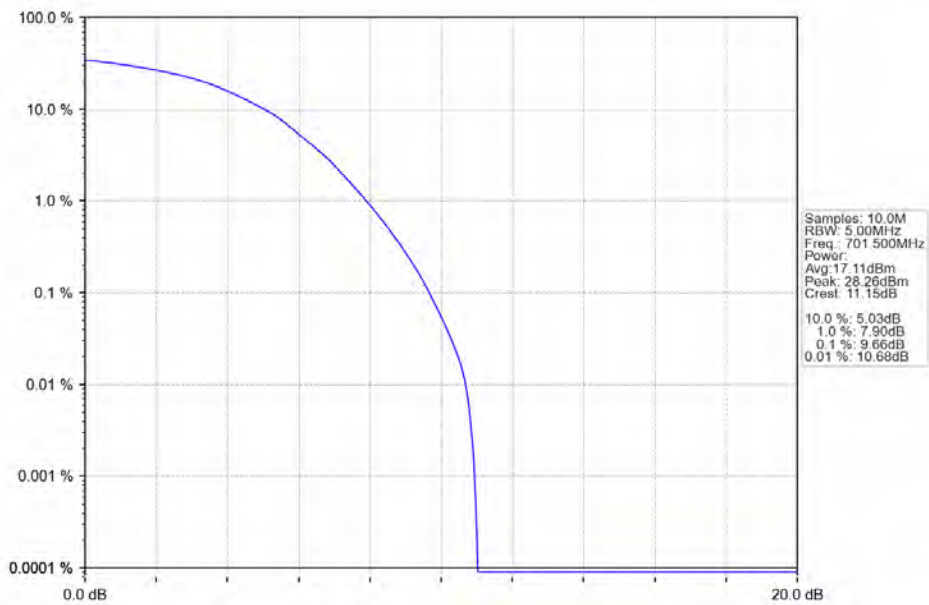
Band12 5MHz 16QAM MCH 707.5MHz RB 25 0 NTV



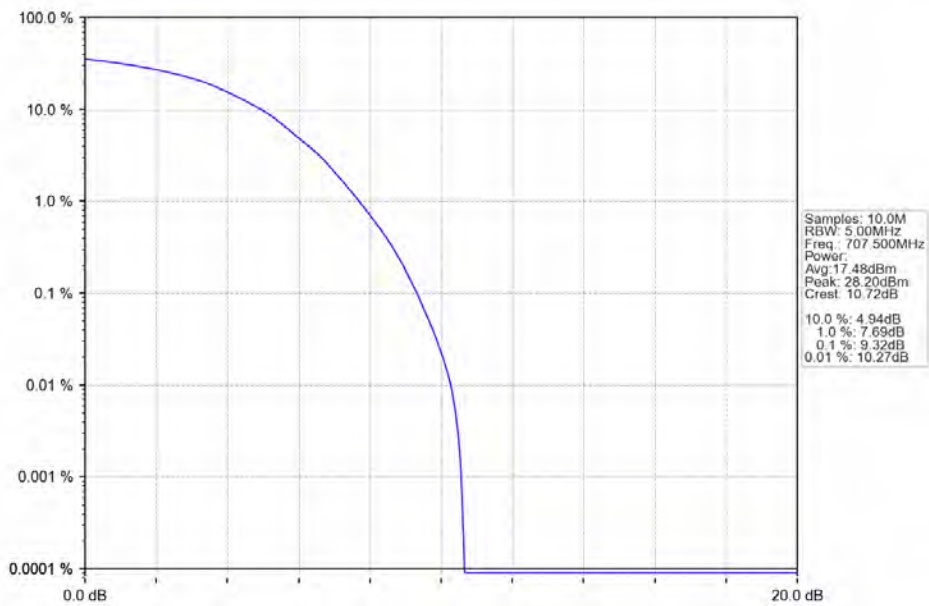
Band12 5MHz 16QAM HCH 713.5MHz RB 25 0 NTV



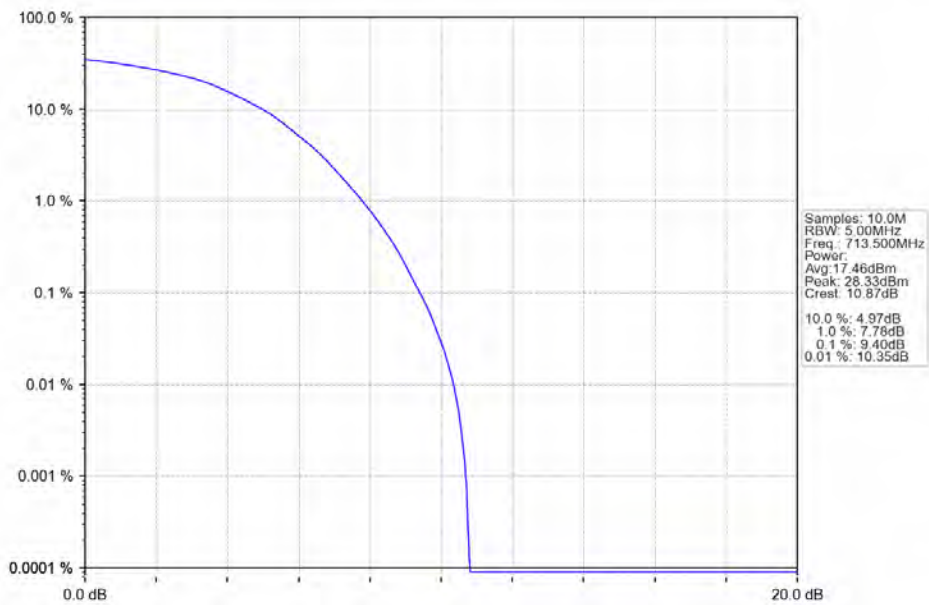
Band12_5MHz_64QAM_LCH_701.5MHz_RB_25_0_NTNV



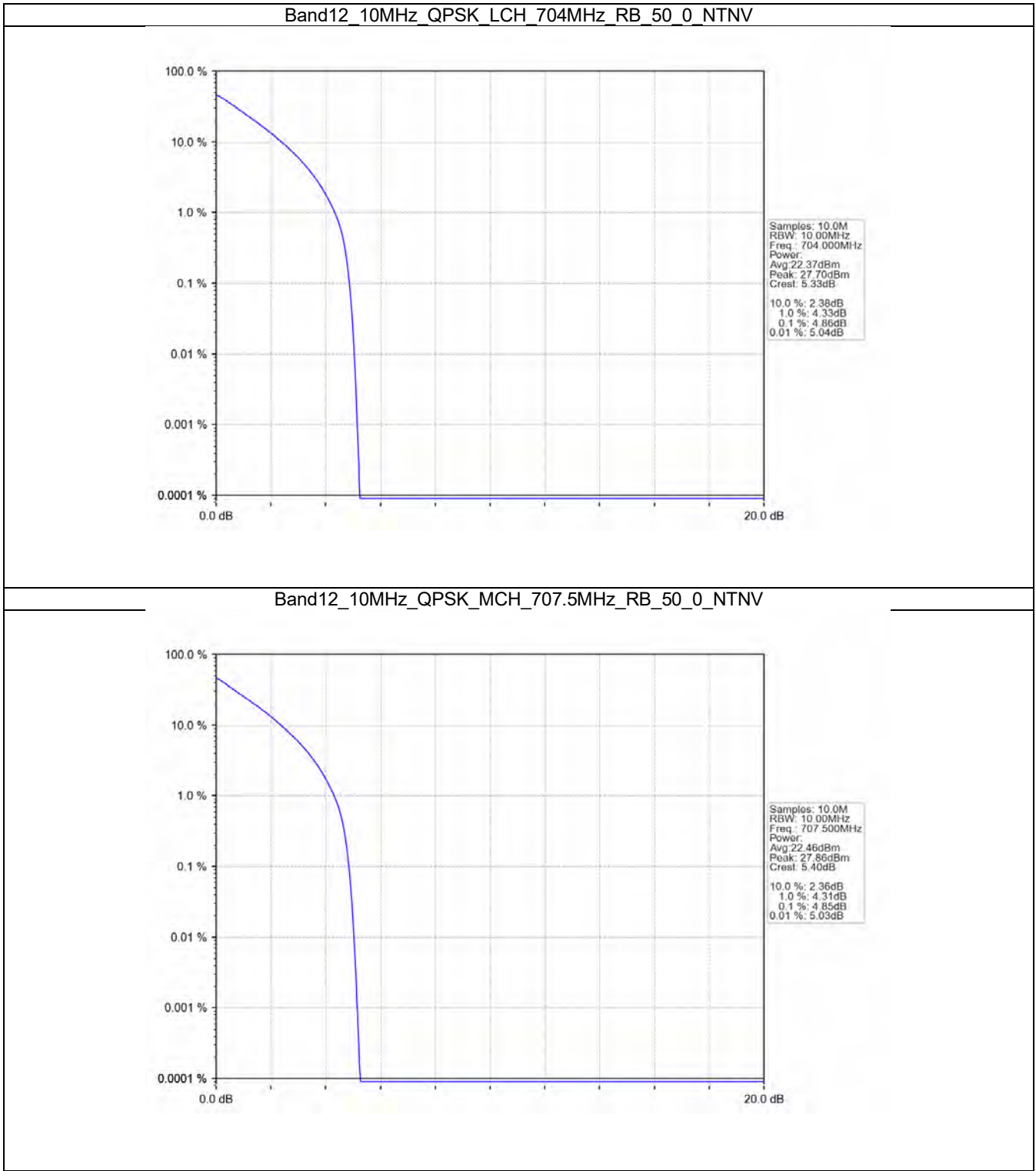
Band12_5MHz_64QAM_MCH_707.5MHz_RB_25_0_NTNV



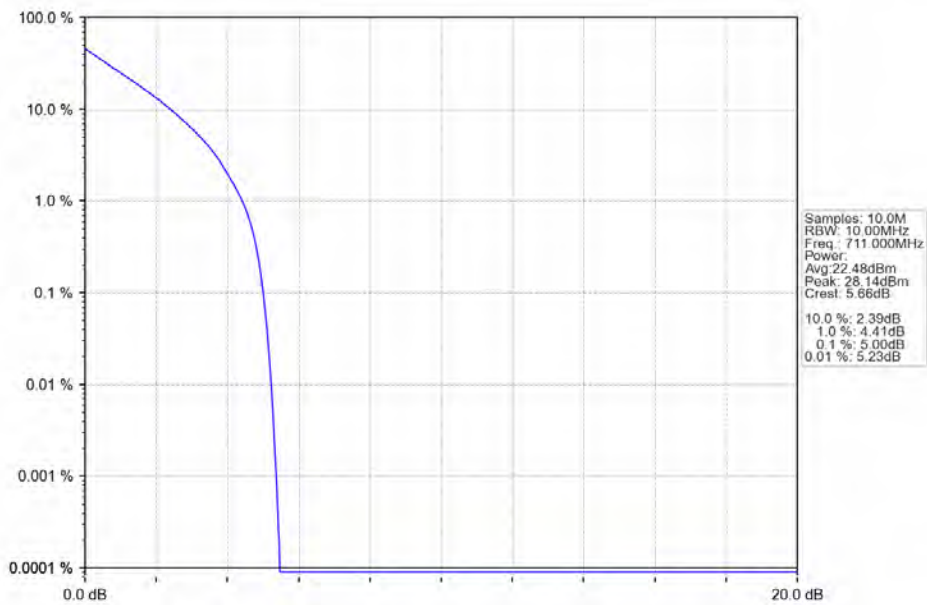
Band12 5MHz 64QAM HCH 713.5MHz RB 25 0 NTV



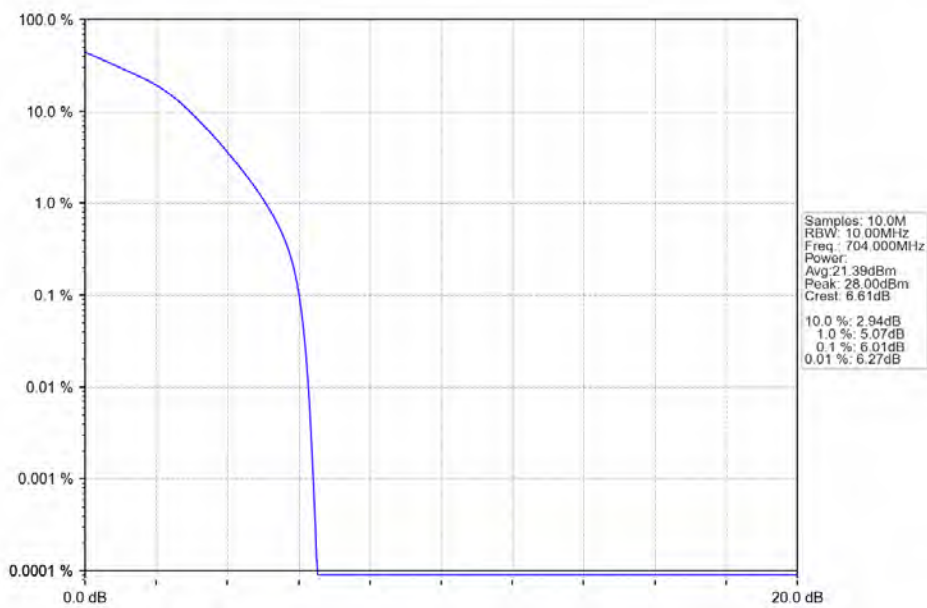
4.2.4 B12_10MHz



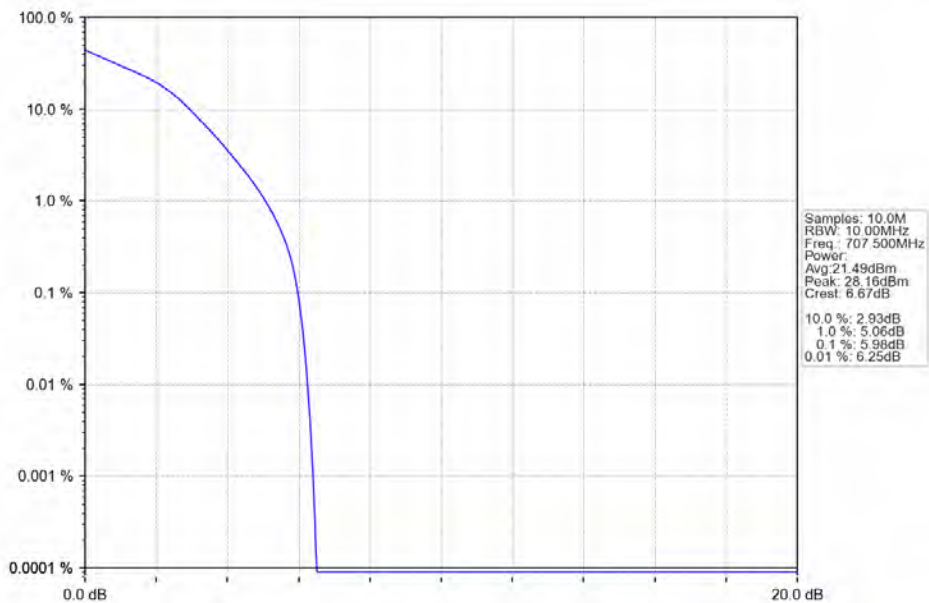
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



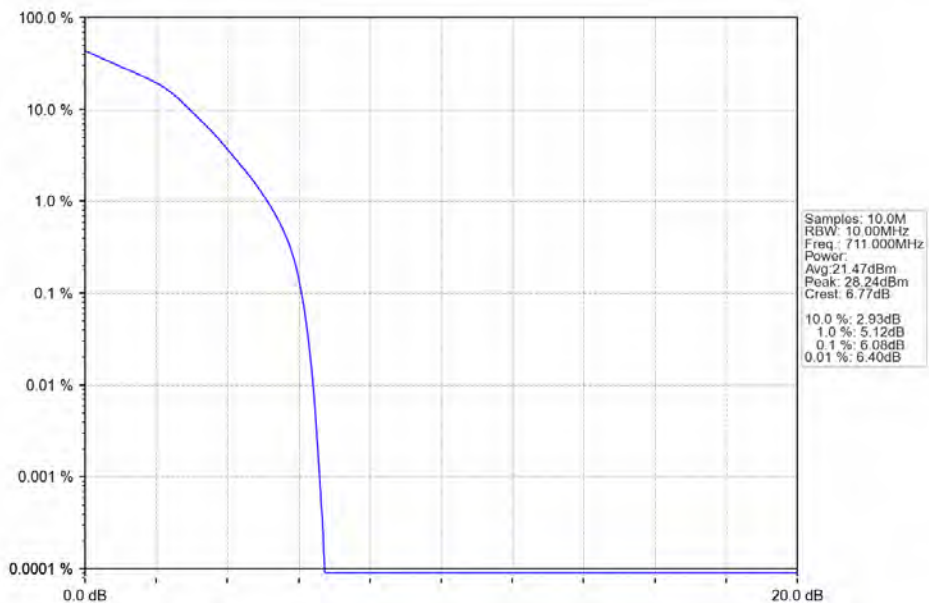
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV



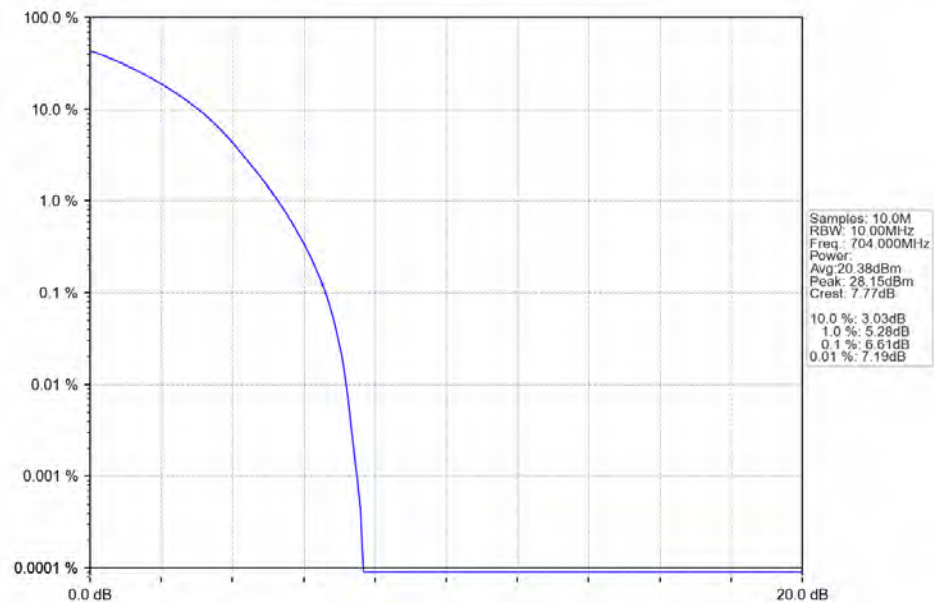
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV



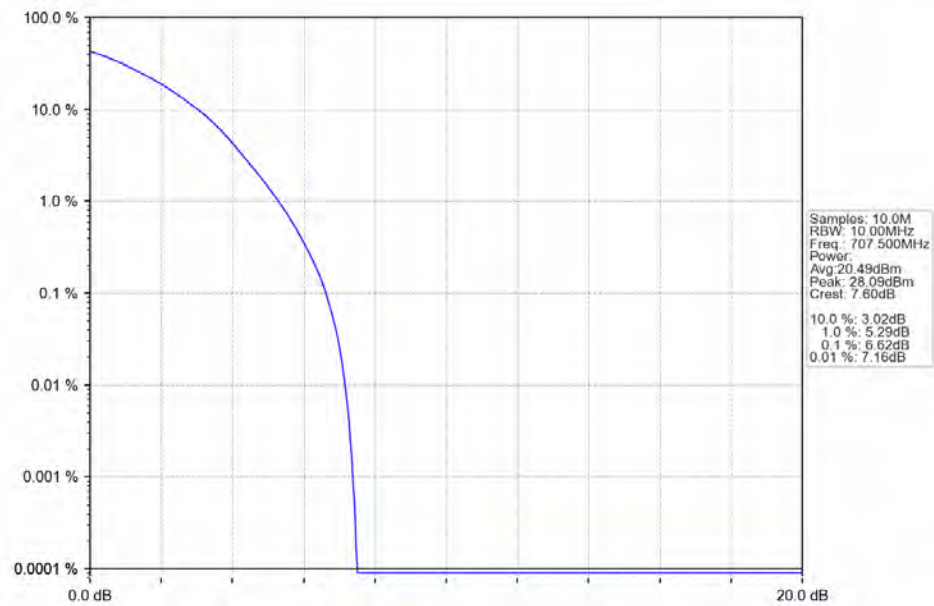
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

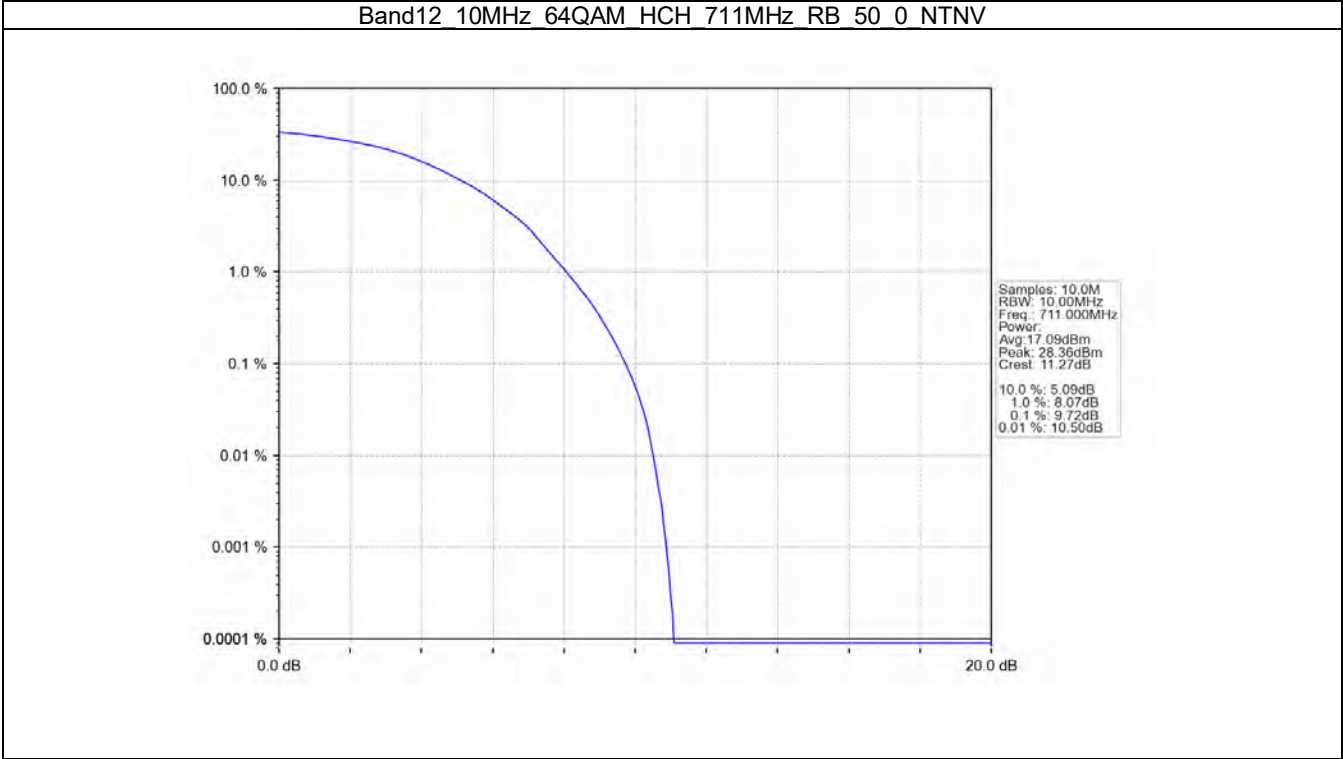


Band12_10MHz_64QAM_LCH_704MHz_RB_50_0_NTNV



Band12_10MHz_64QAM_MCH_707.5MHz_RB_50_0_NTNV





5. Spurious Emission

5.1 Test Result

5.1.1 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
		715.3	1	0	Refer To Test Graph	
	5			Refer To Test Graph		Pass
	6		0	Refer To Test Graph		Pass

5.1.2 B12_3MHz

Band: 12 / Bandwidth: 3MHz / NTV						
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
		714.5	1	0	Refer To Test Graph	
	14			Refer To Test Graph		Pass
	15		0	Refer To Test Graph		Pass

5.1.3 B12_5MHz

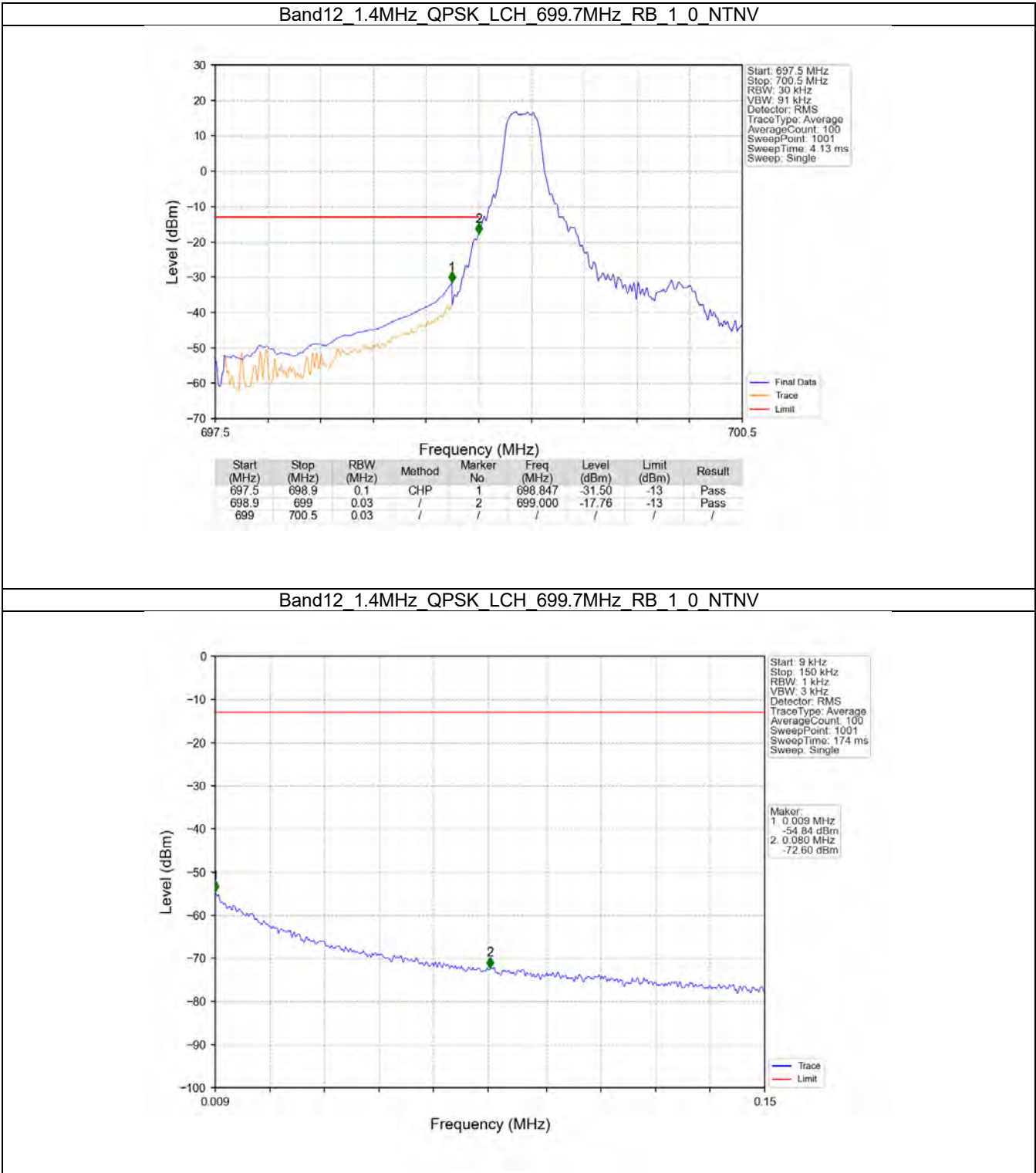
Band: 12 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	701.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
		713.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph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

5.1.4 B12_10MHz

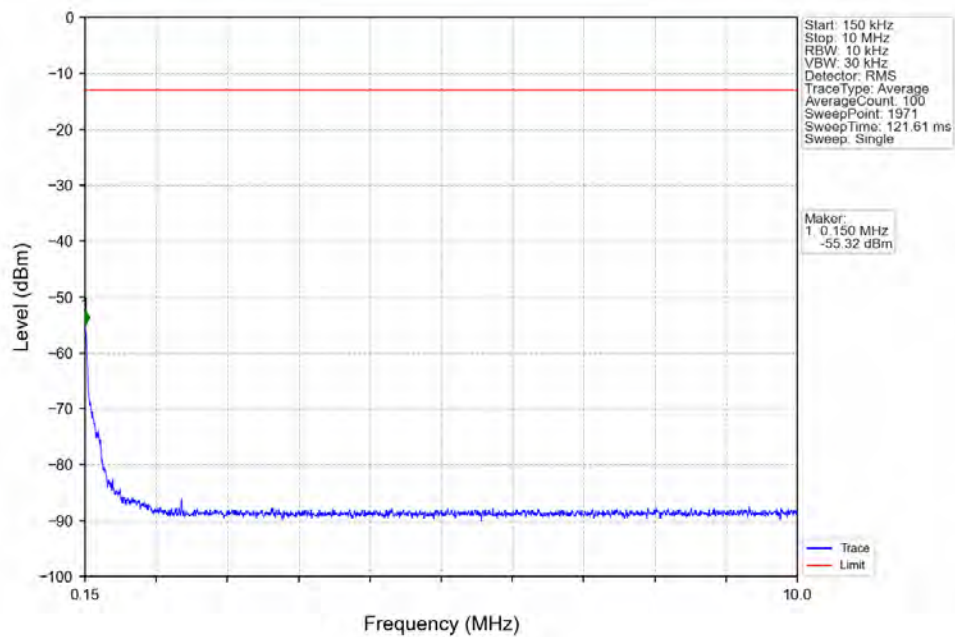
Band: 12 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	704	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	707.5	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test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

5.2 Test Graph

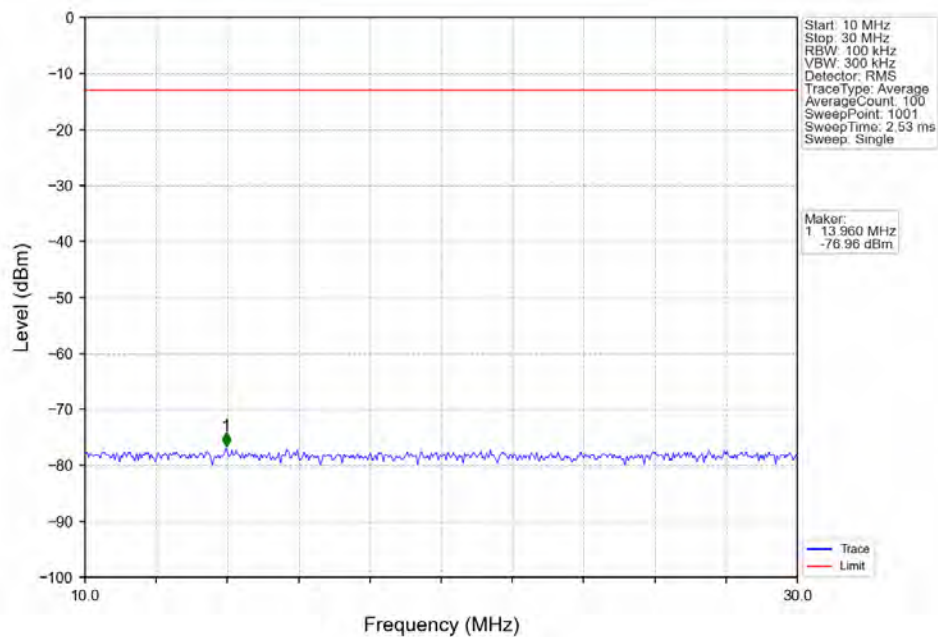
5.2.1 B12_1.4MHz



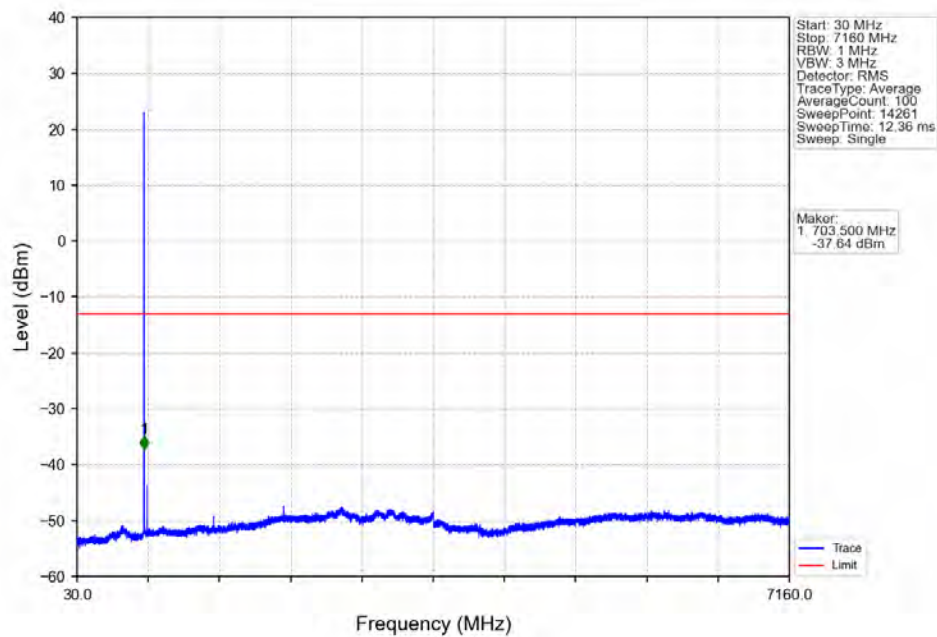
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



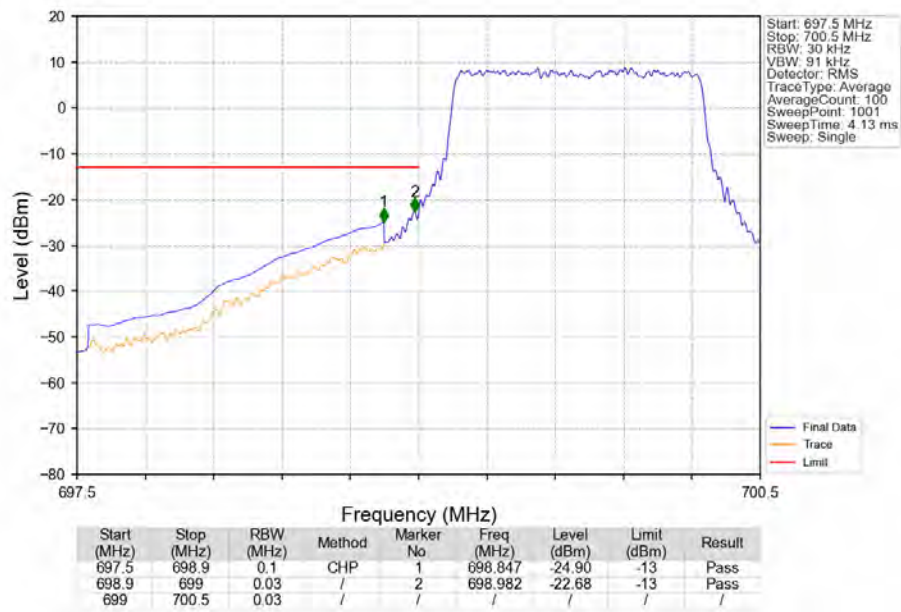
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTNV



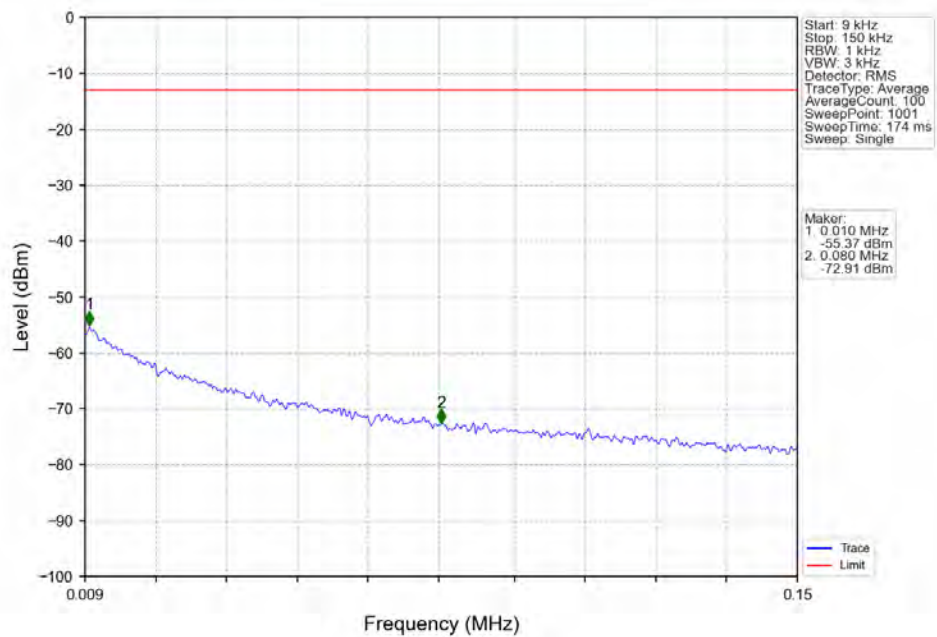
Band12 1.4MHz QPSK LCH 699.7MHz RB 1 0 NTV



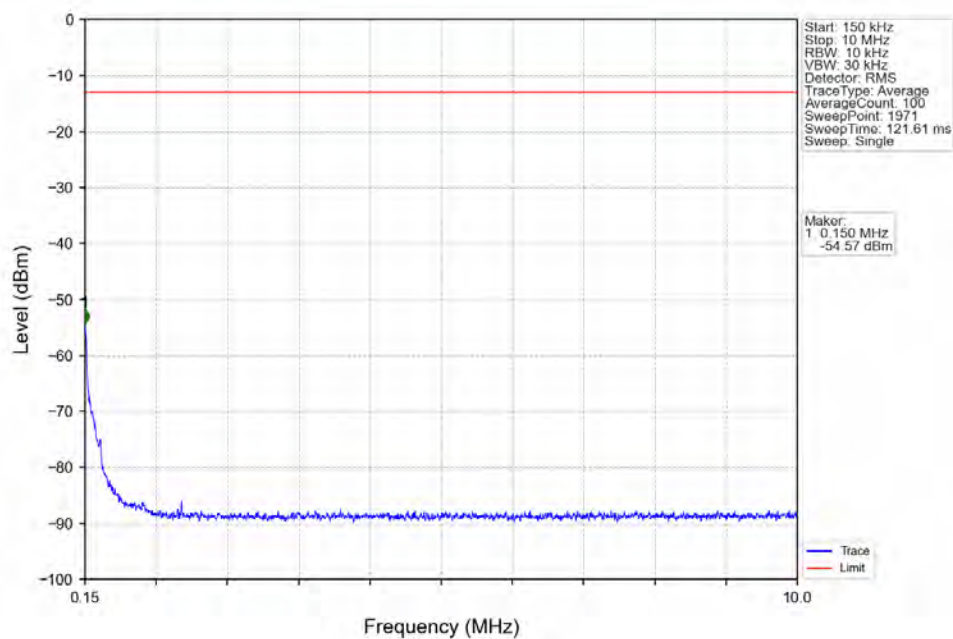
Band12 1.4MHz QPSK LCH 699.7MHz RB 6 0 NTV



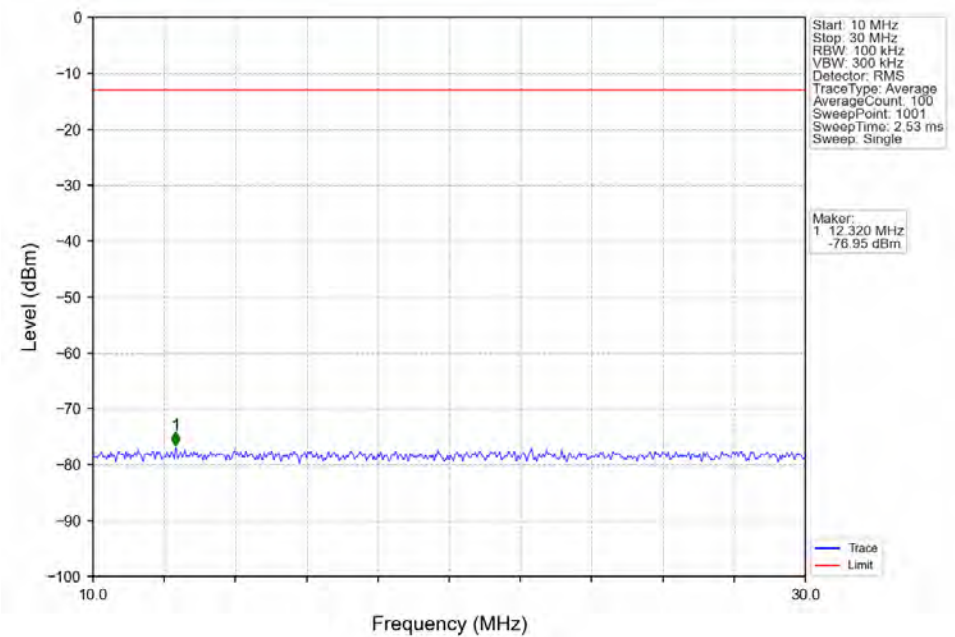
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



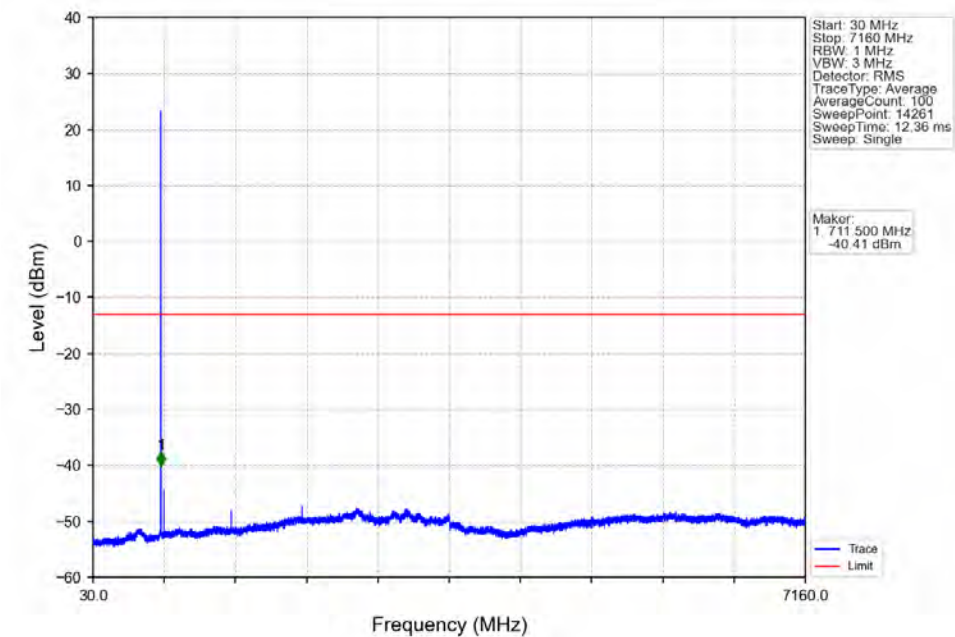
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



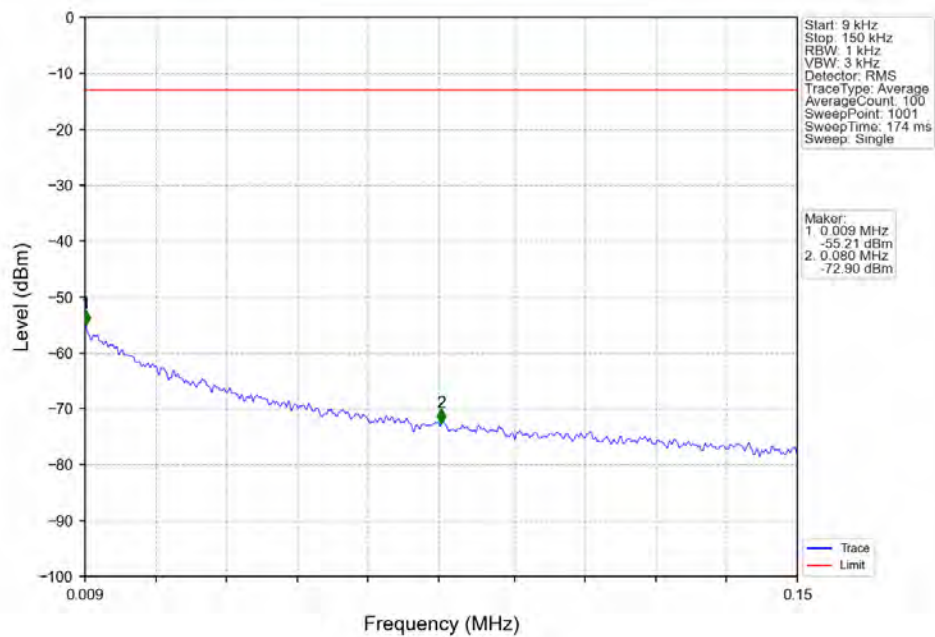
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



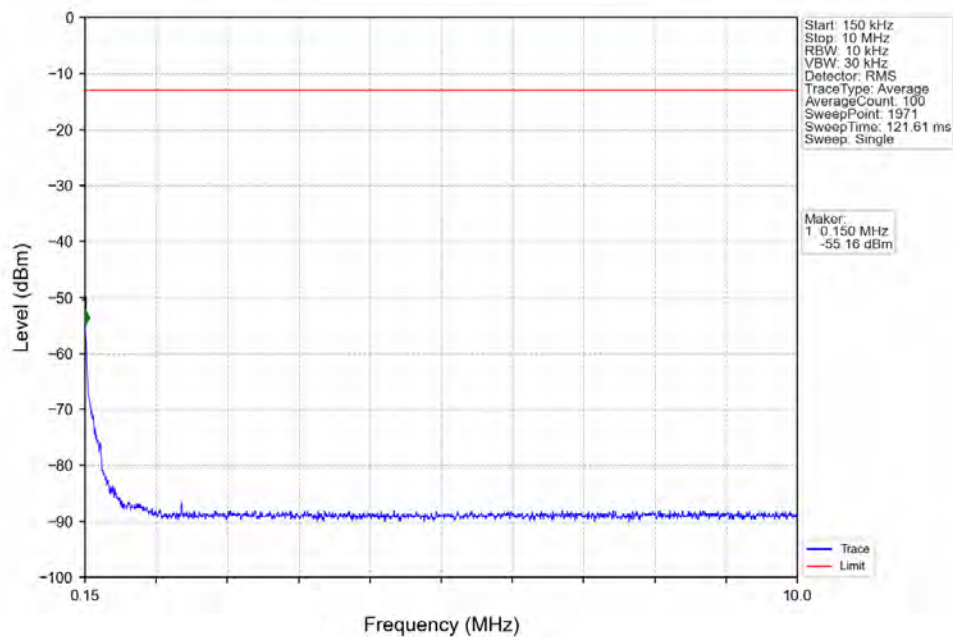
Band12 1.4MHz QPSK MCH 707.5MHz RB 1 0 NTNV



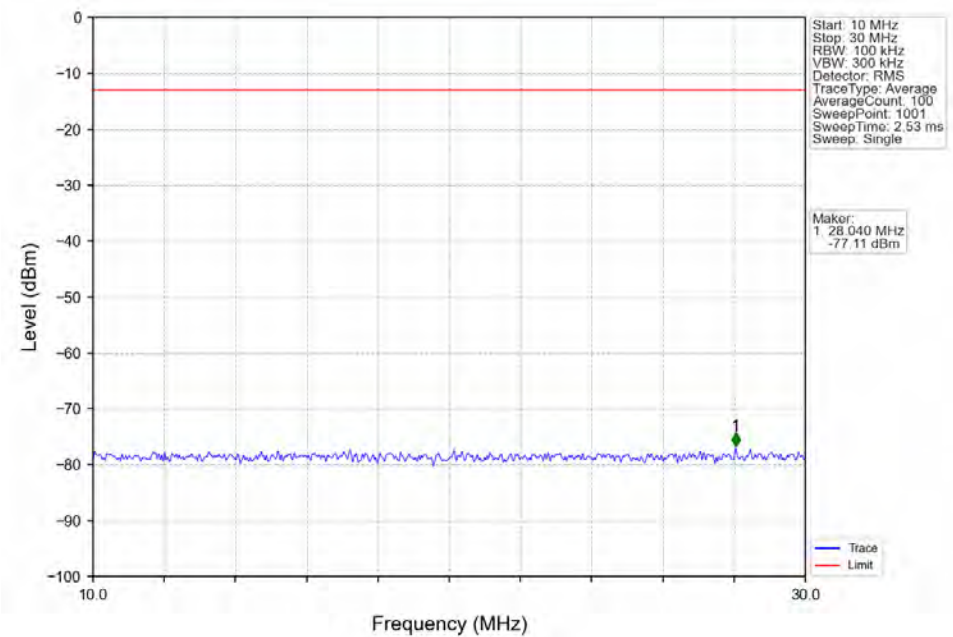
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



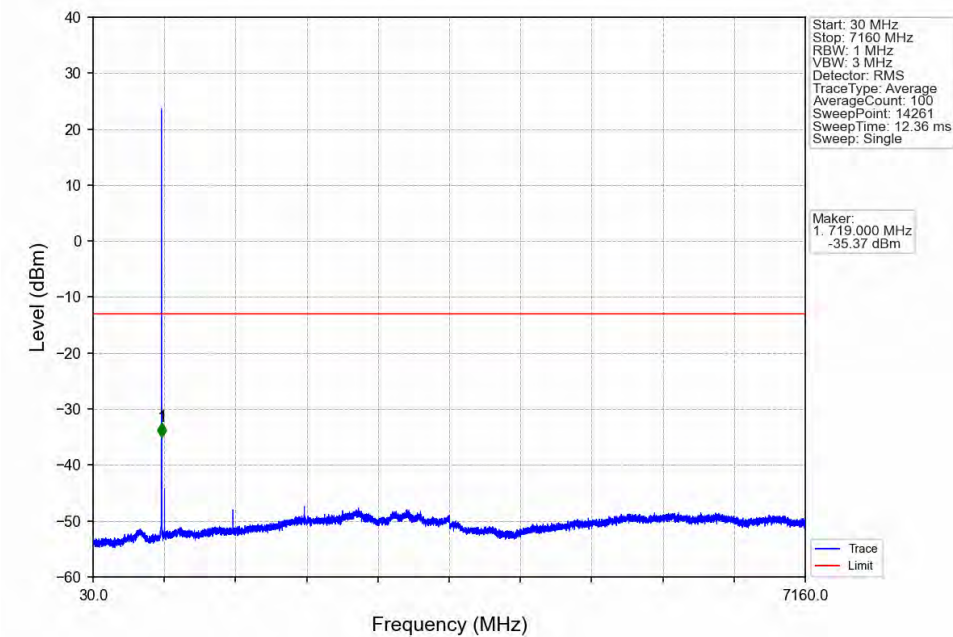
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_1_0_NTNV



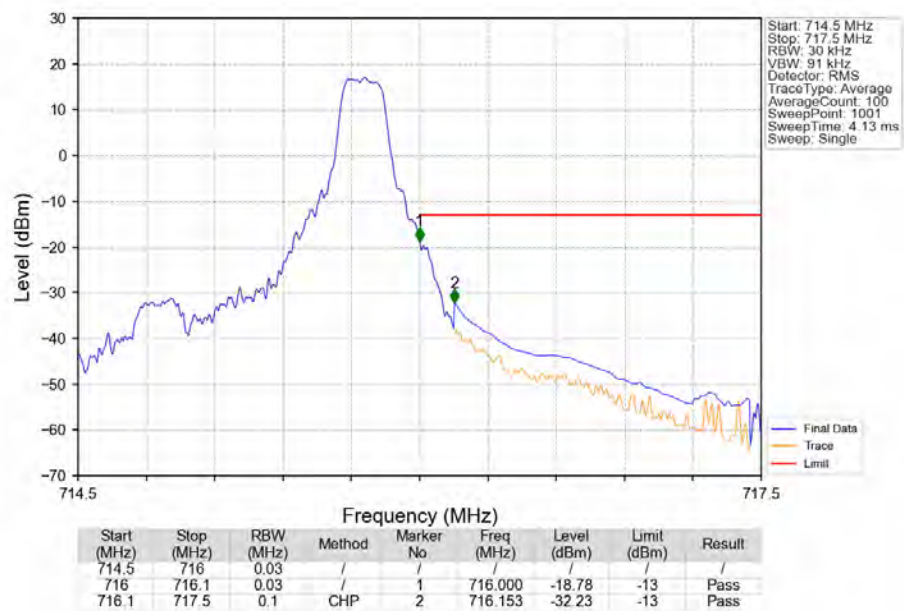
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTNV



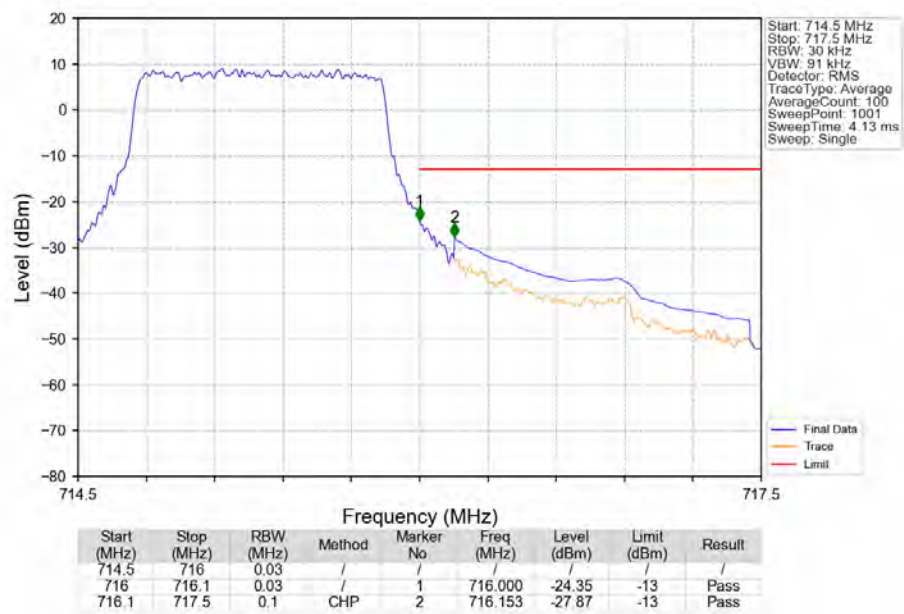
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 0 NTNV



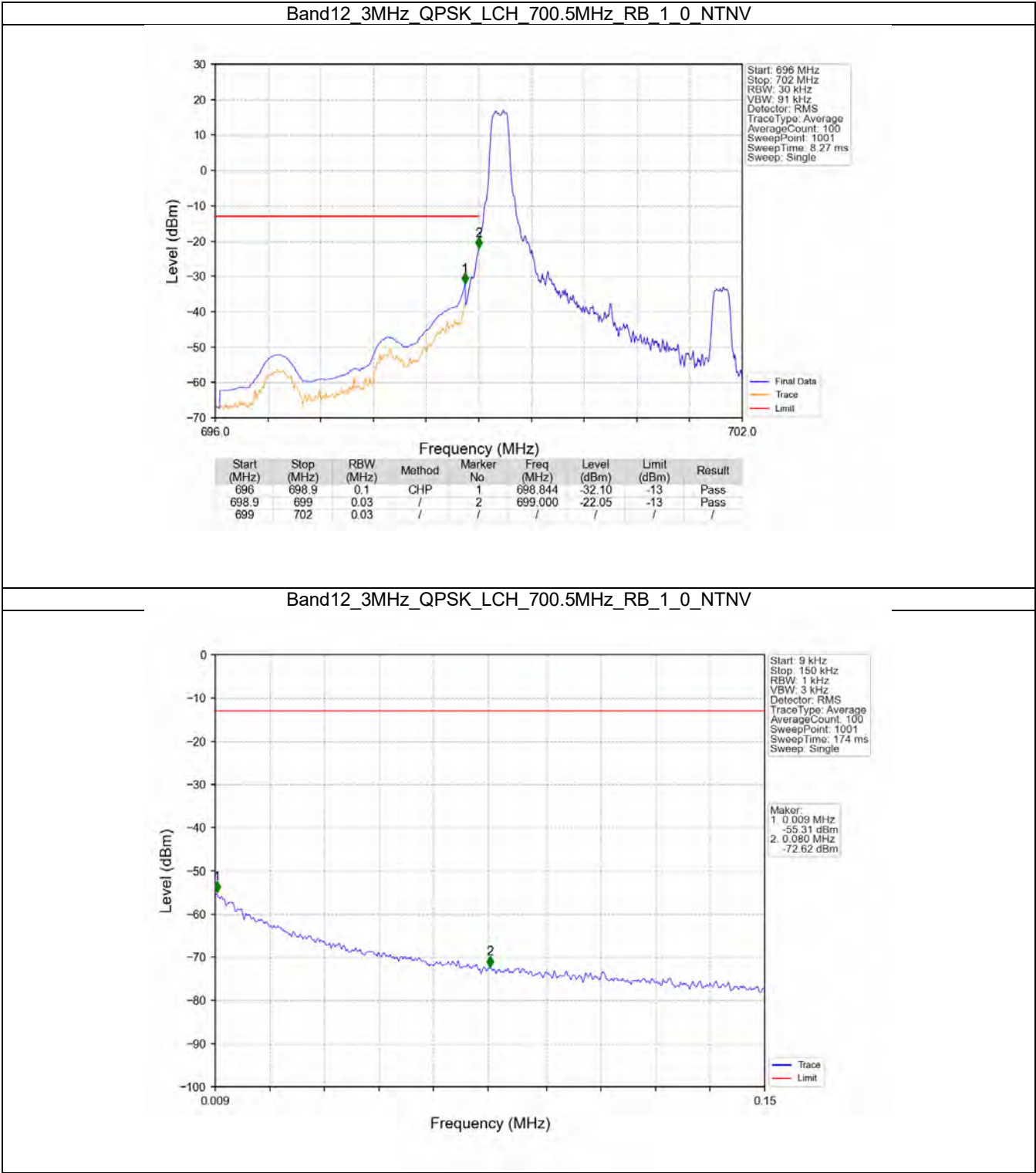
Band12 1.4MHz QPSK HCH 715.3MHz RB 1 5 NTV



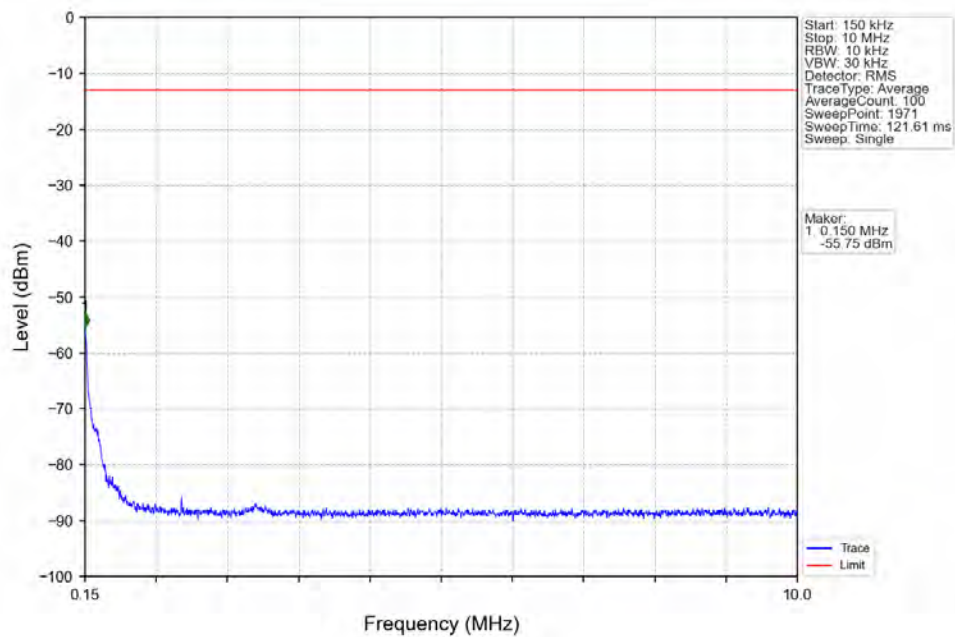
Band12 1.4MHz QPSK HCH 715.3MHz RB 6 0 NTV



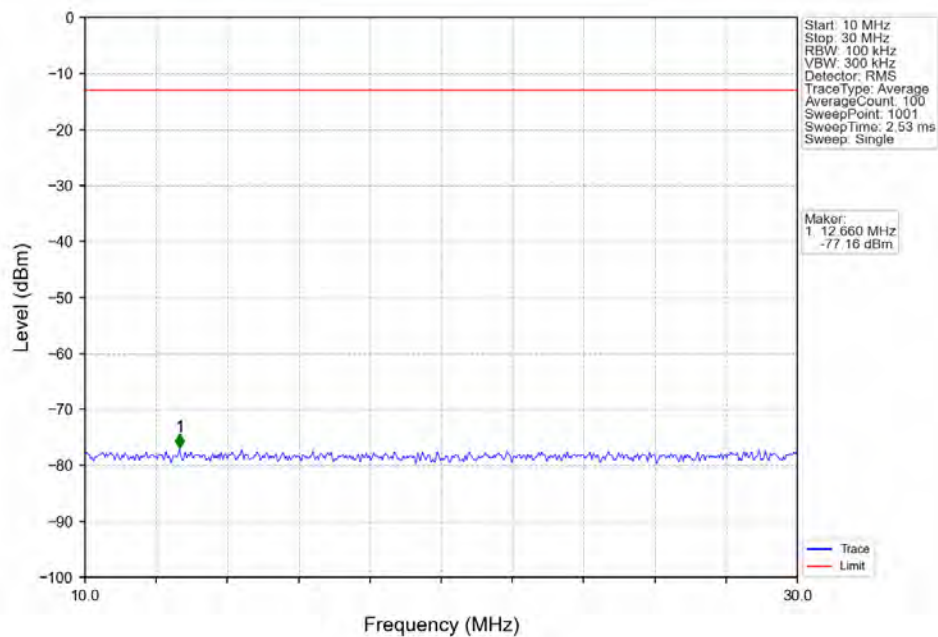
5.2.2 B12_3MHz



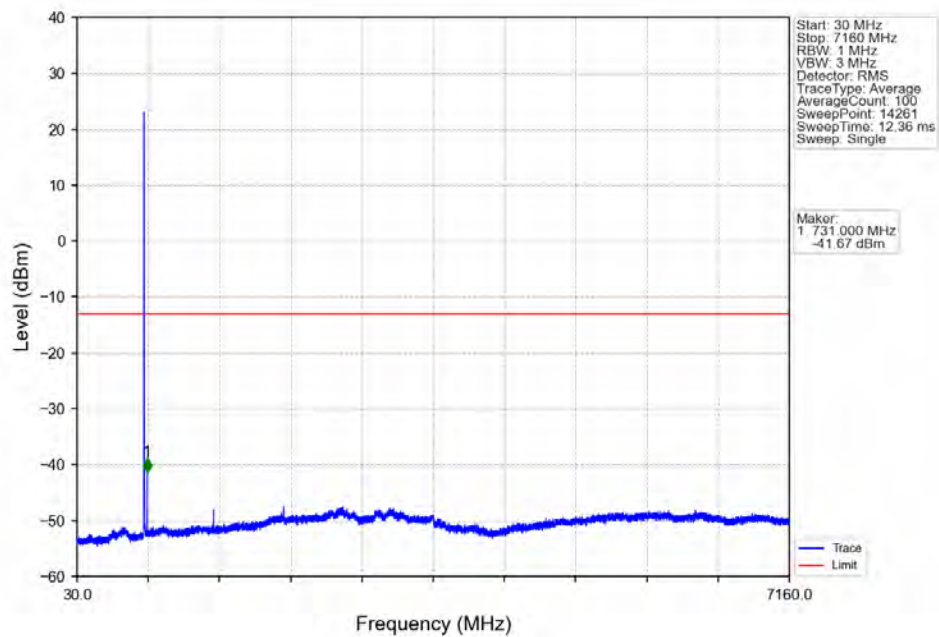
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



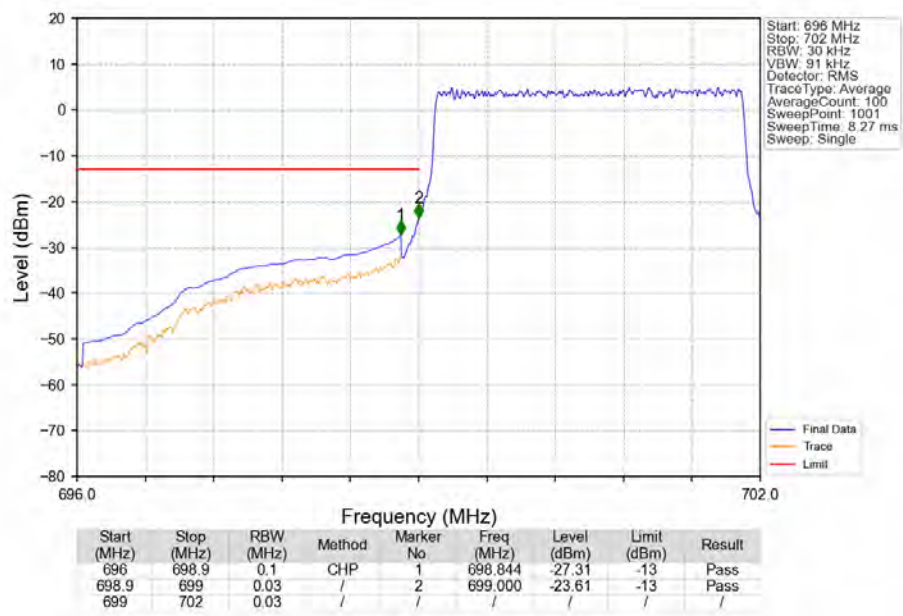
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



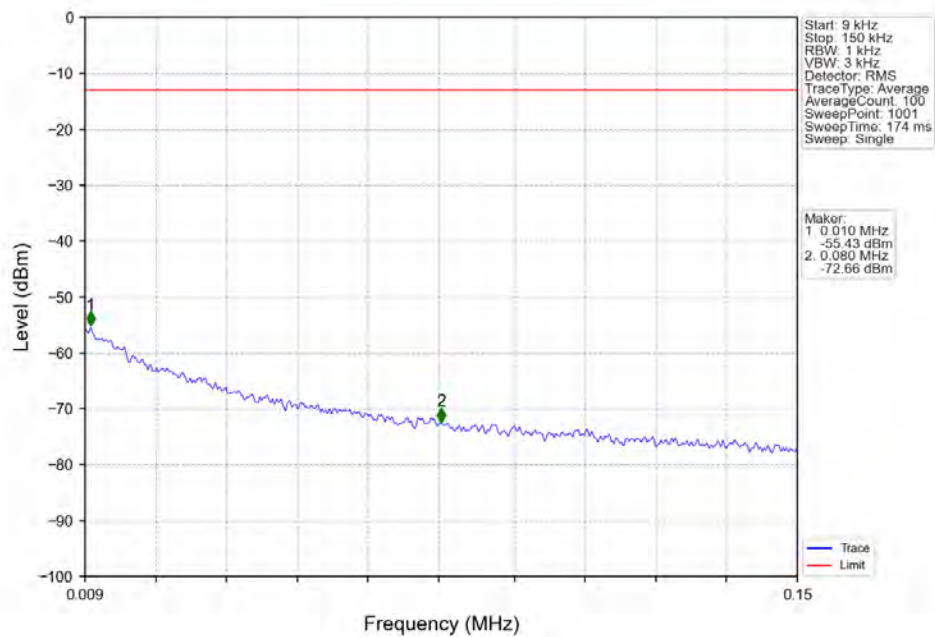
Band12_3MHz_QPSK_LCH_700.5MHz_RB_1_0_NTNV



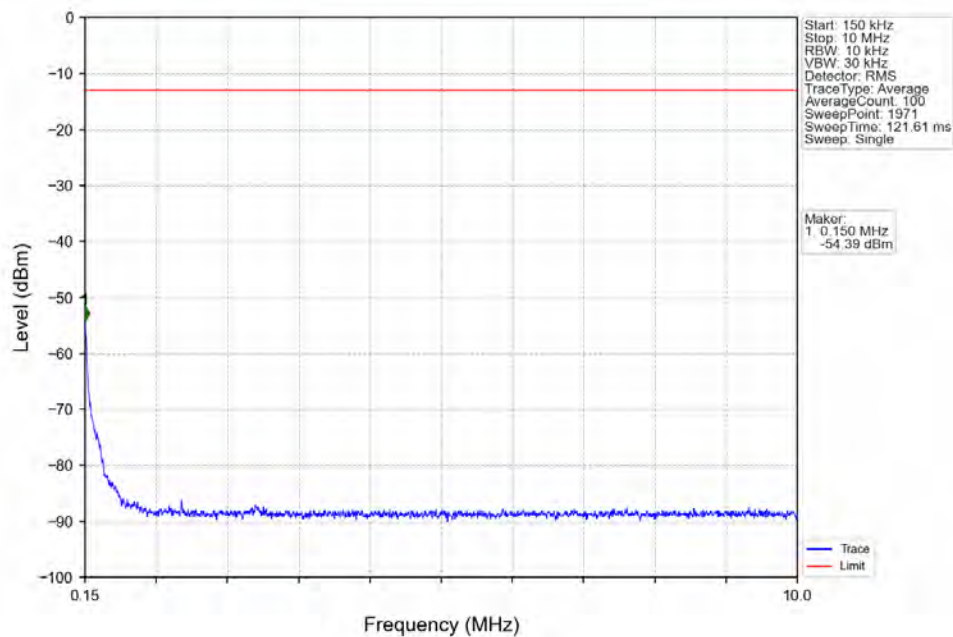
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



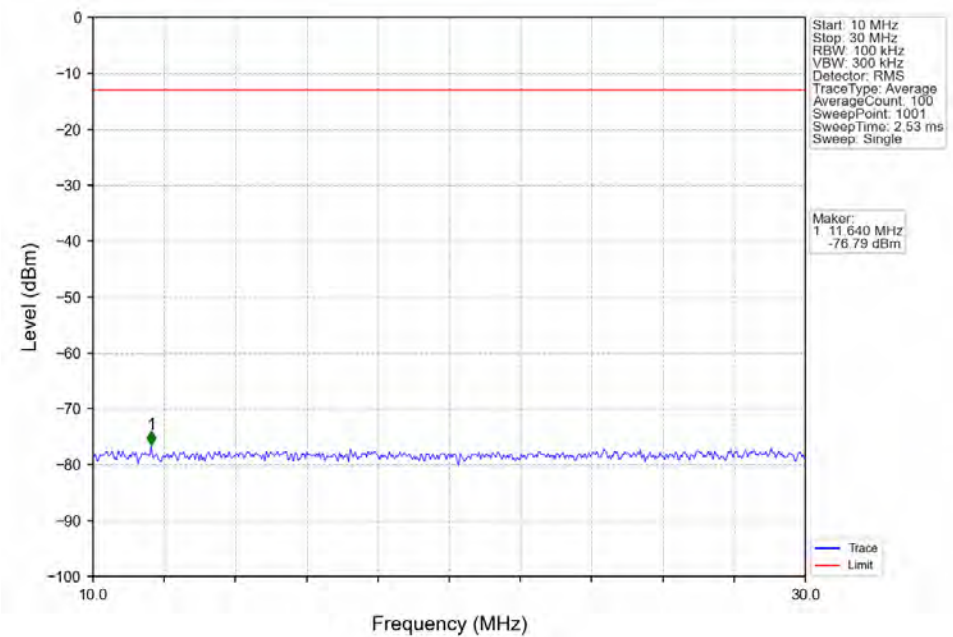
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



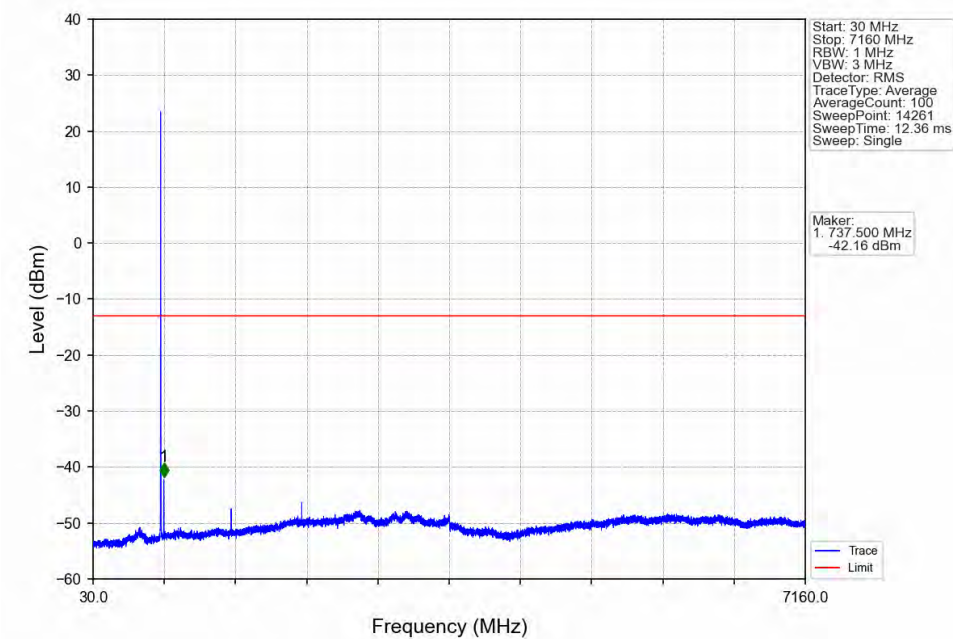
Band12_3MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



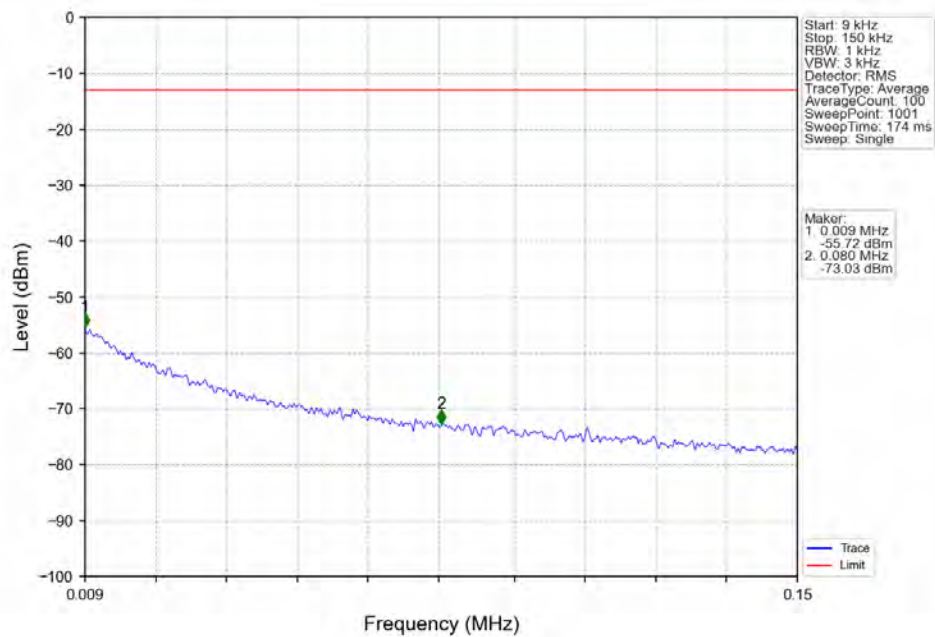
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



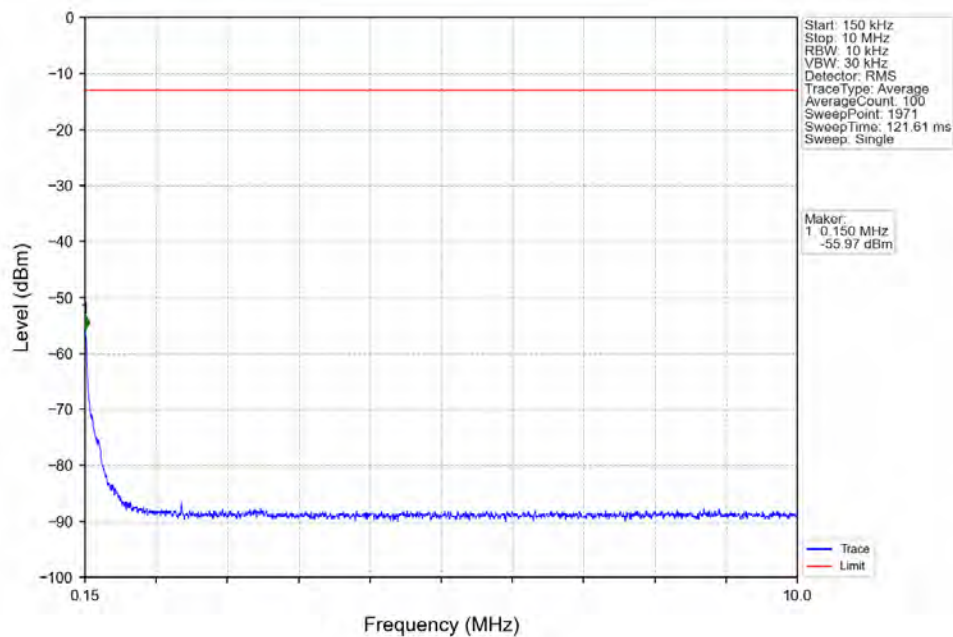
Band12 3MHz QPSK MCH 707.5MHz RB 1 0 NTNV



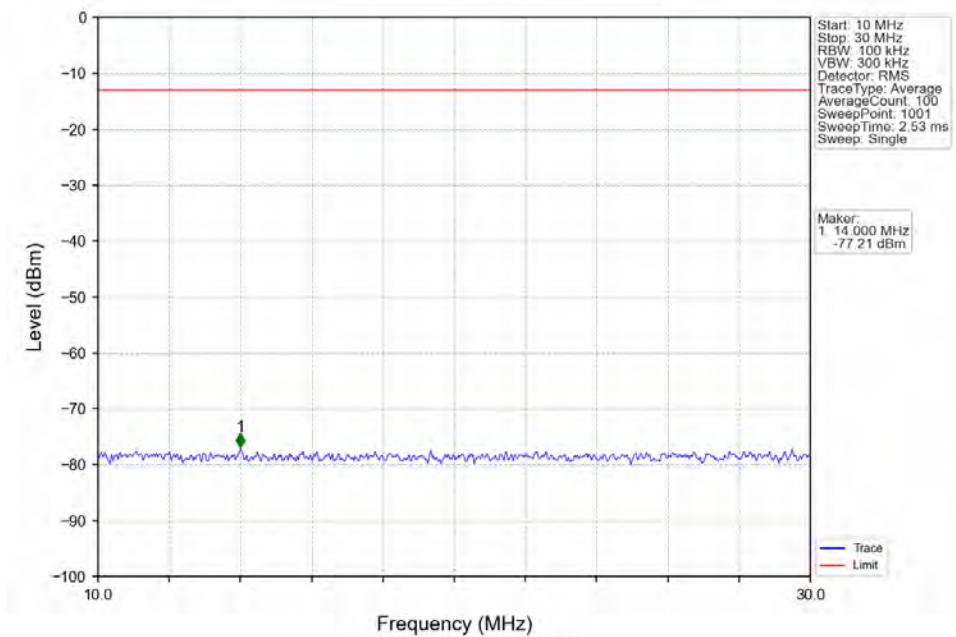
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTNV



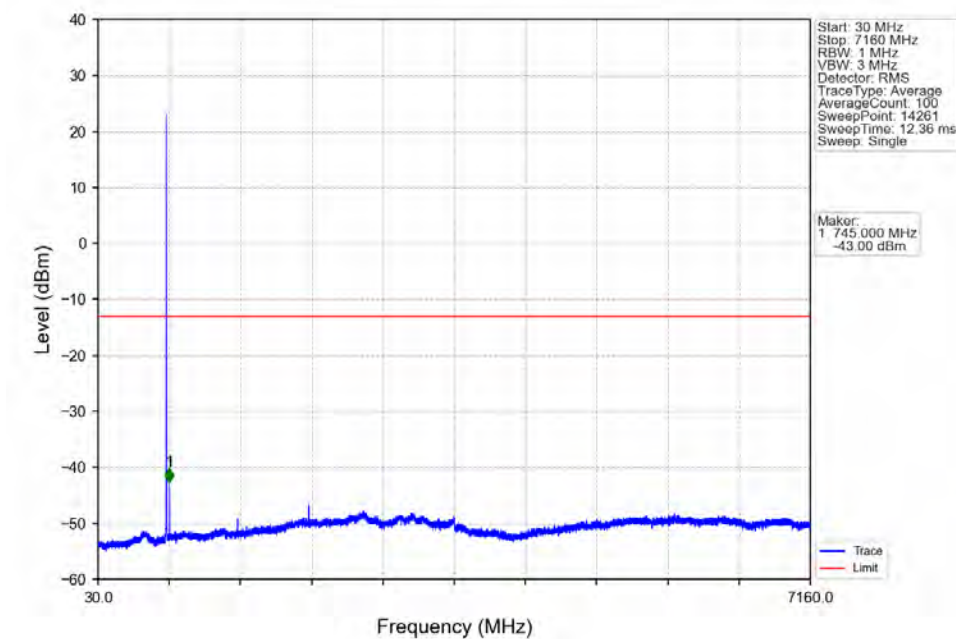
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTNV



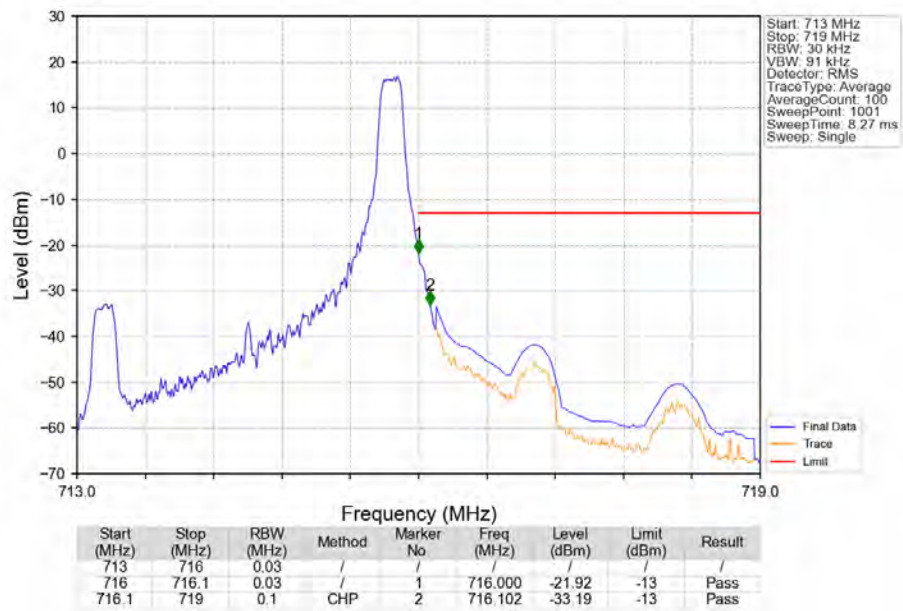
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTNV



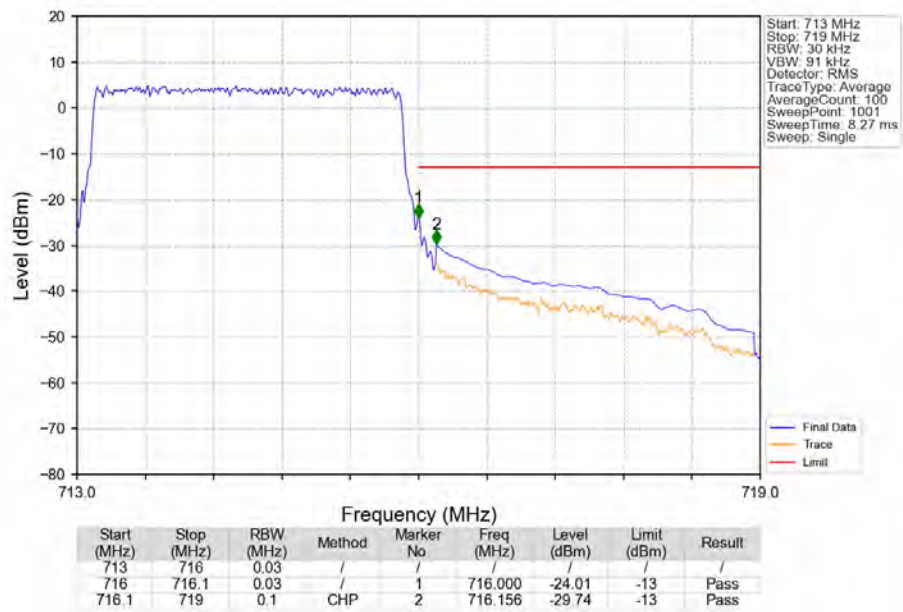
Band12 3MHz QPSK HCH 714.5MHz RB 1 0 NTNV



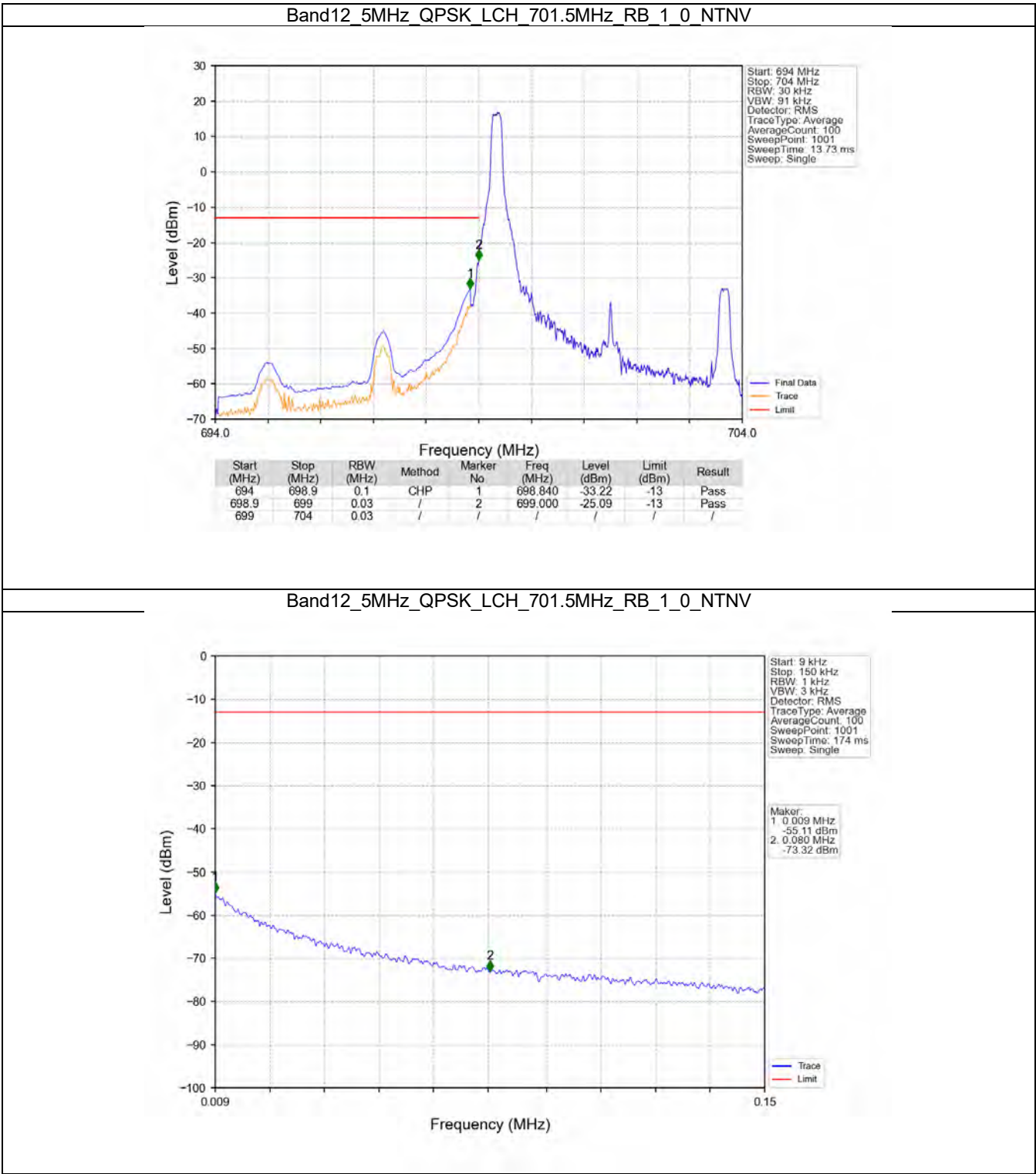
Band12_3MHz_QPSK_HCH_714.5MHz_RB_1_14_NTNV



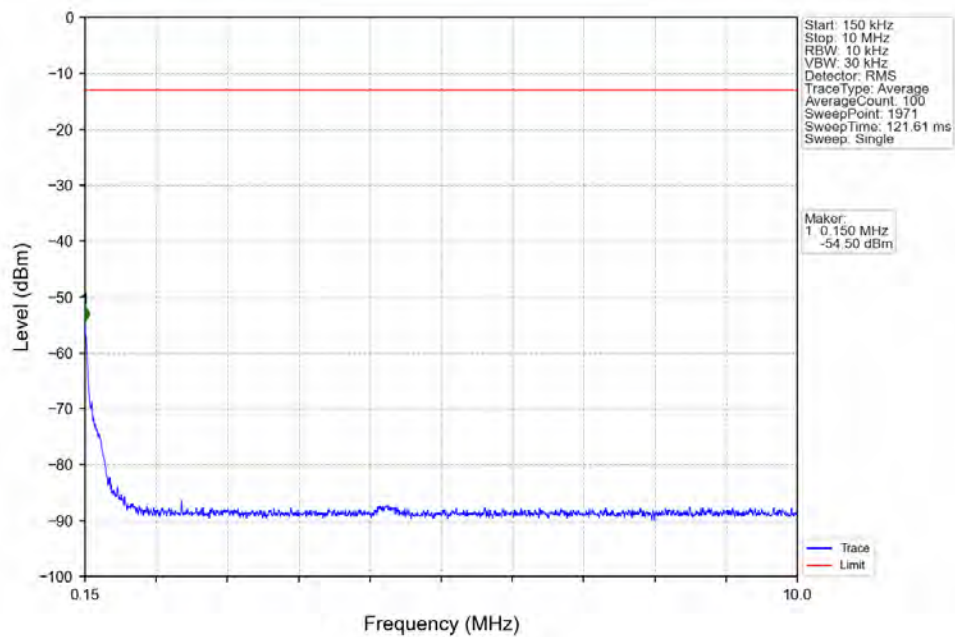
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



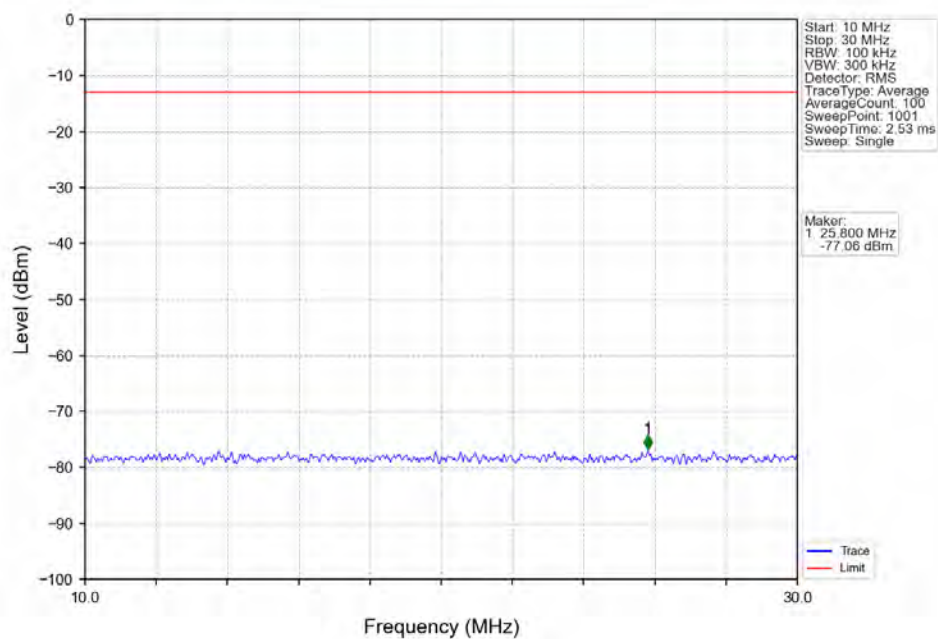
5.2.3 B12_5MHz



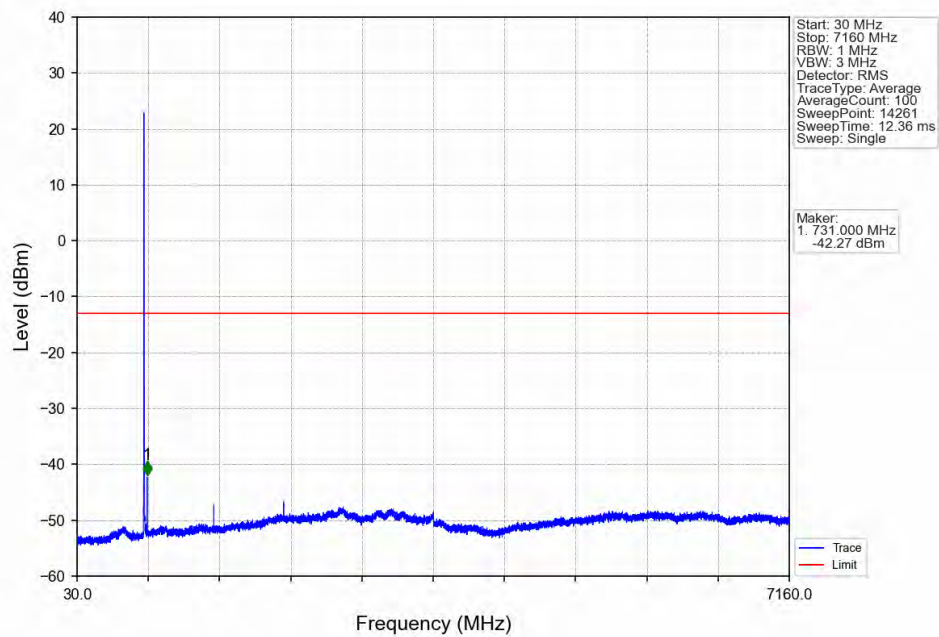
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



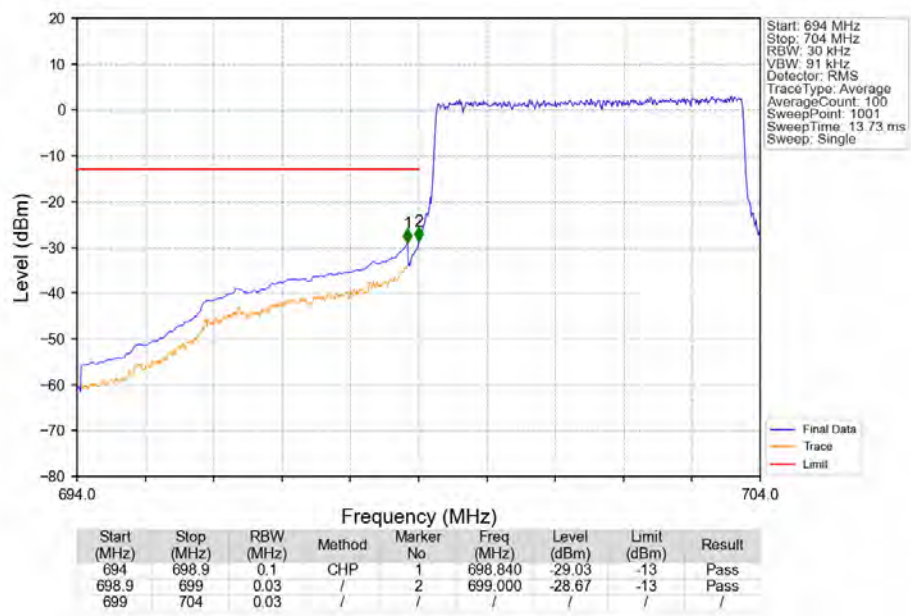
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



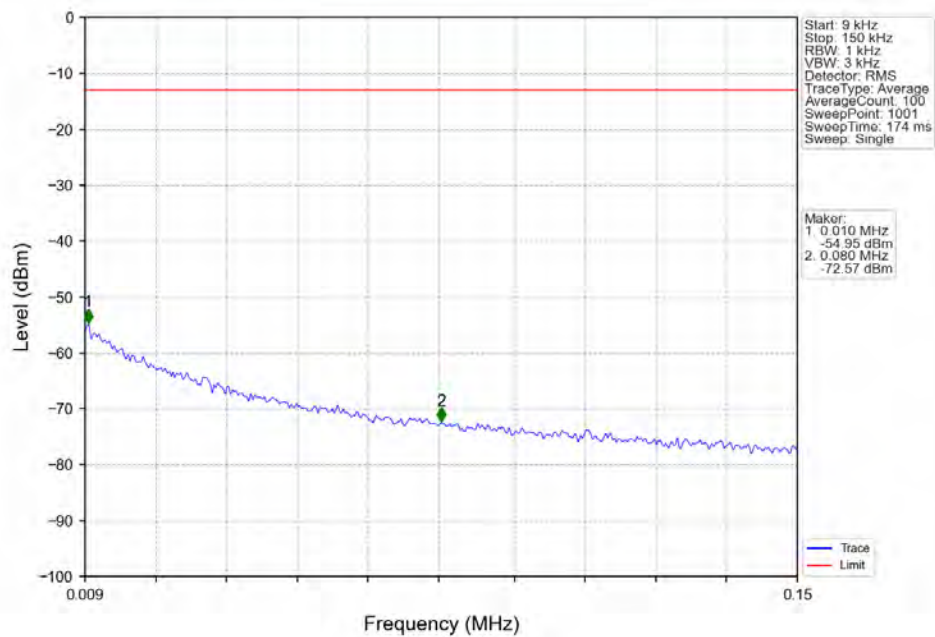
Band12_5MHz_QPSK_LCH_701.5MHz_RB_1_0_NTNV



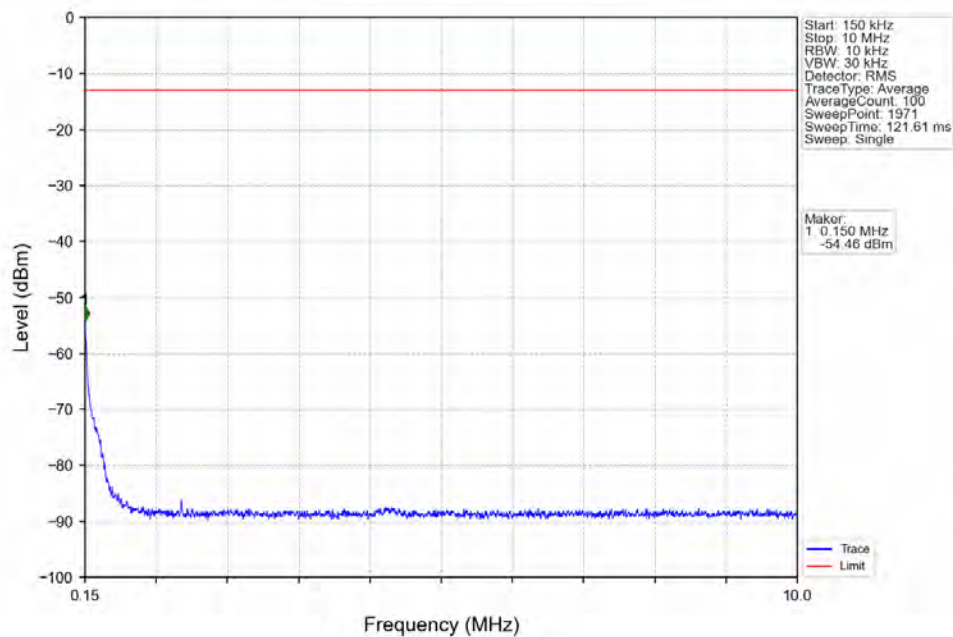
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



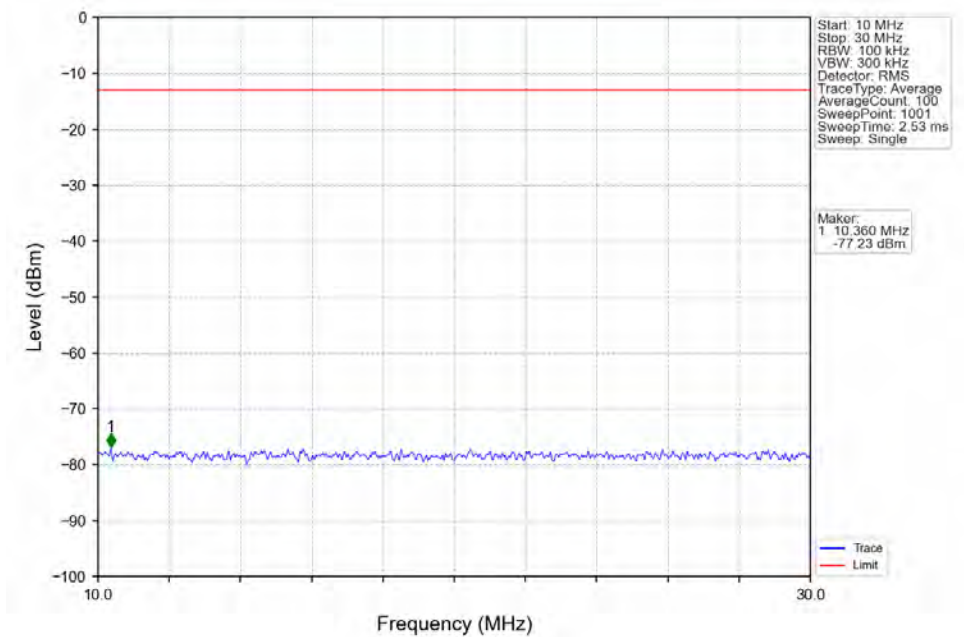
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



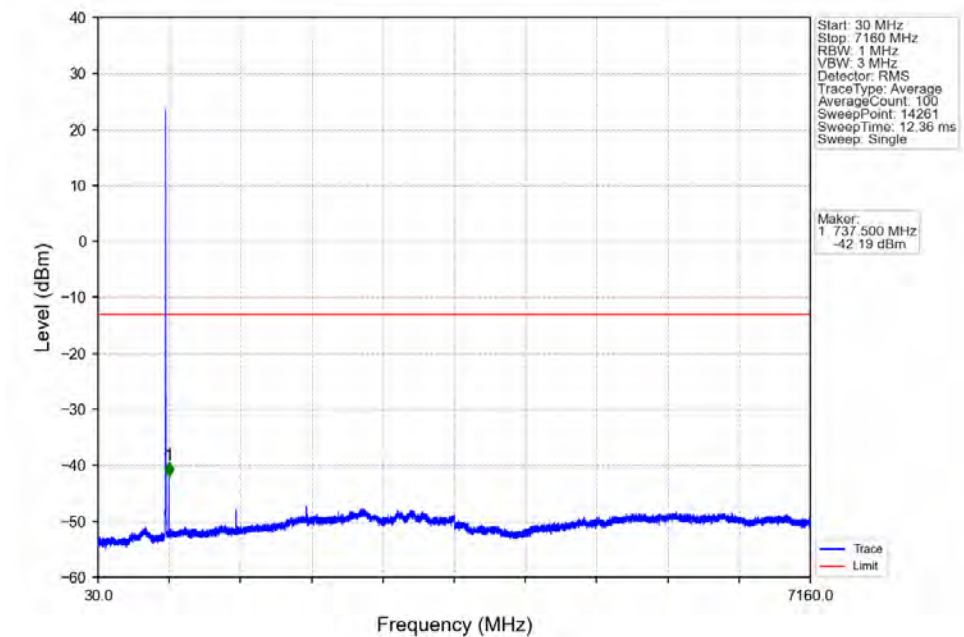
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



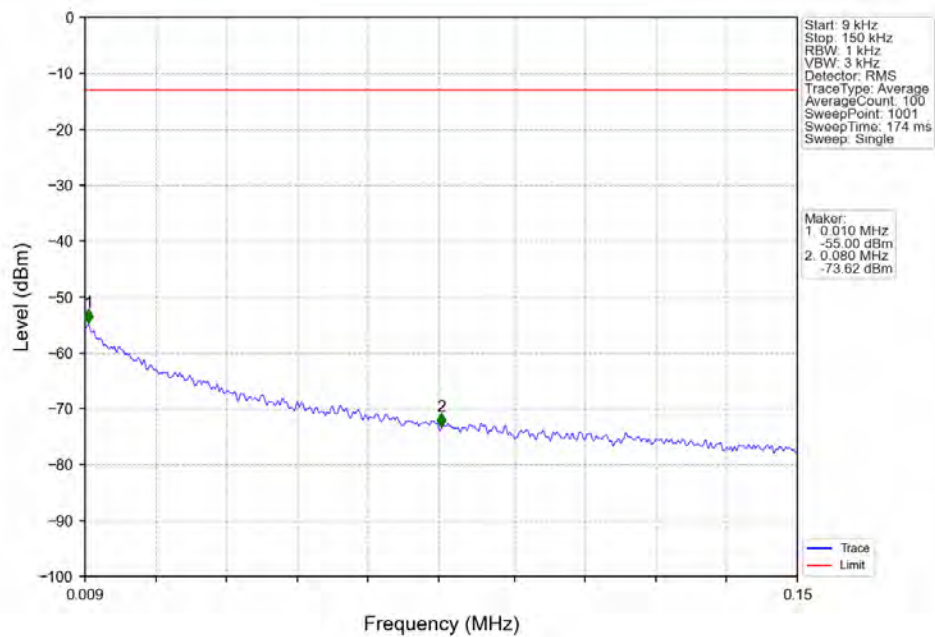
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



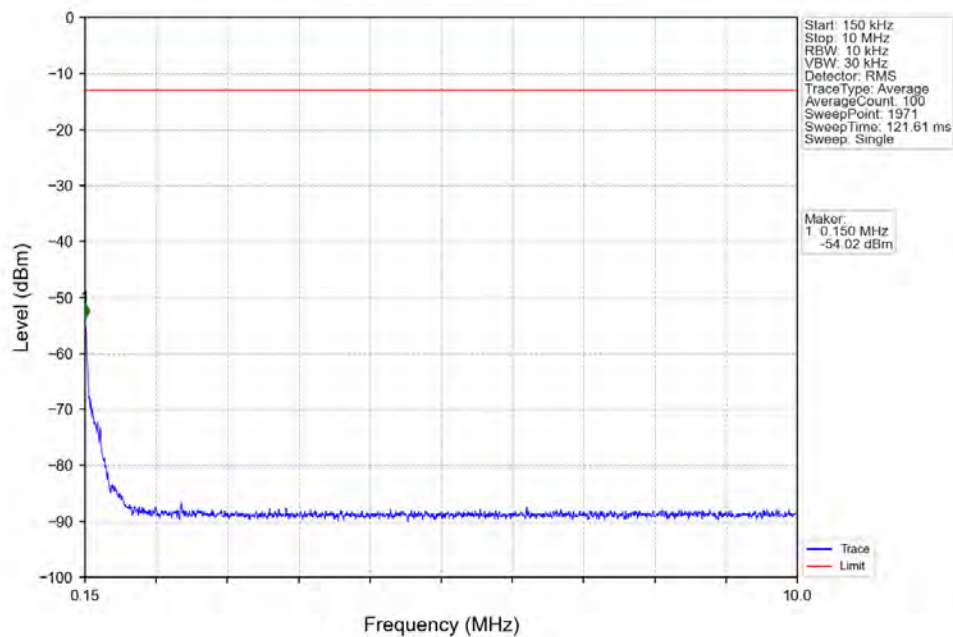
Band12 5MHz QPSK MCH 707.5MHz RB 1 0 NTNV



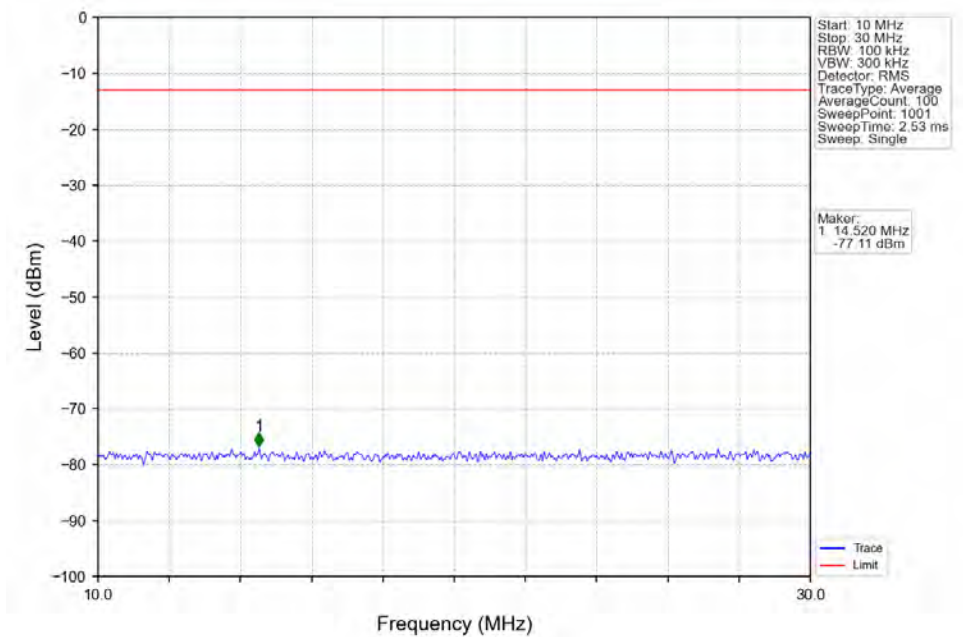
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



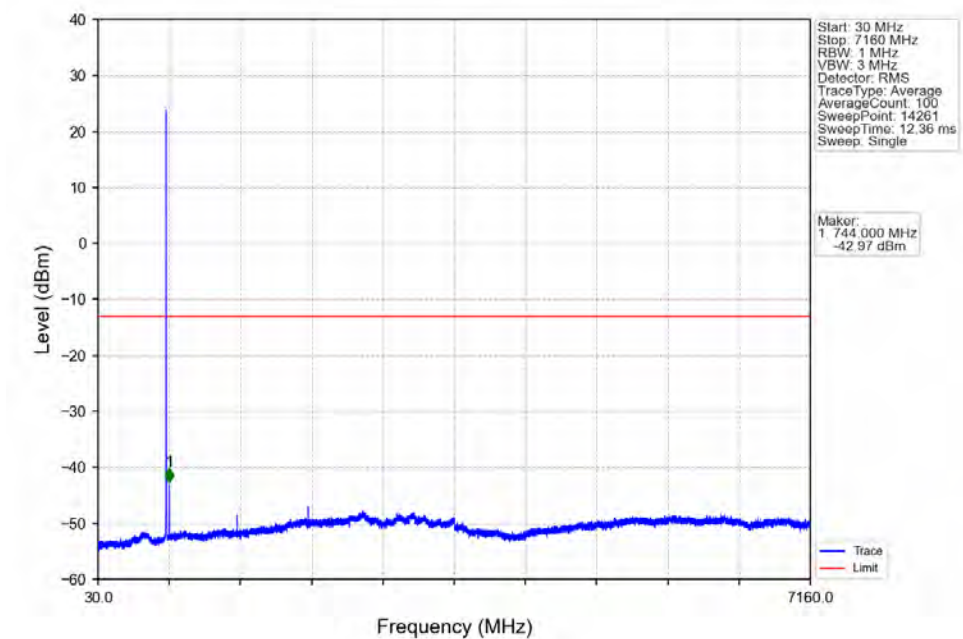
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



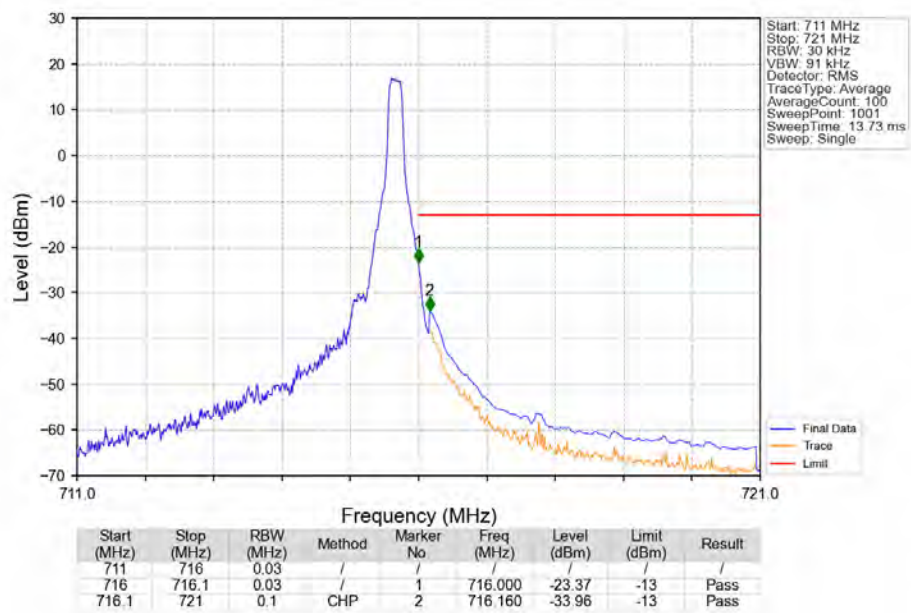
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



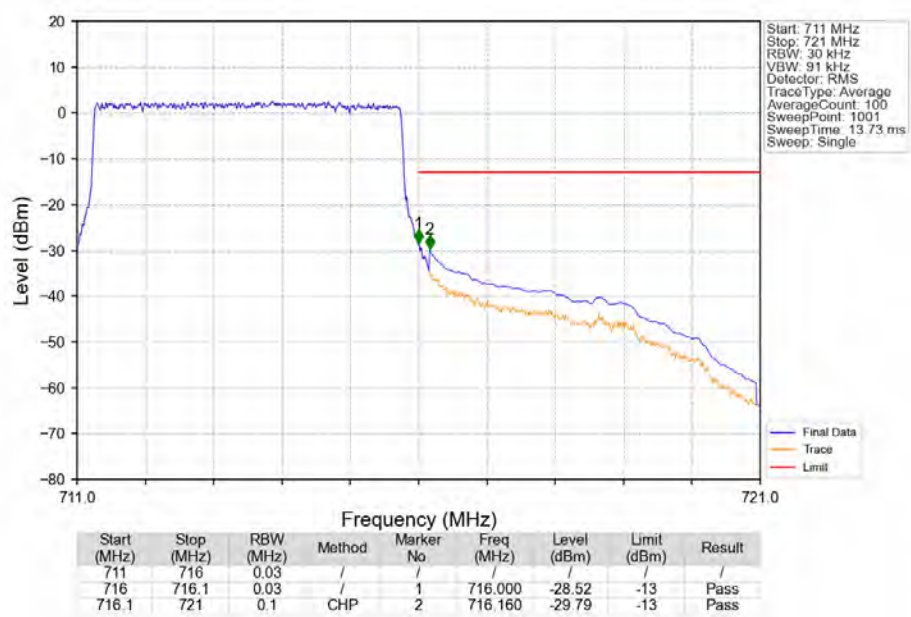
Band12 5MHz QPSK HCH 713.5MHz RB 1 0 NTNV



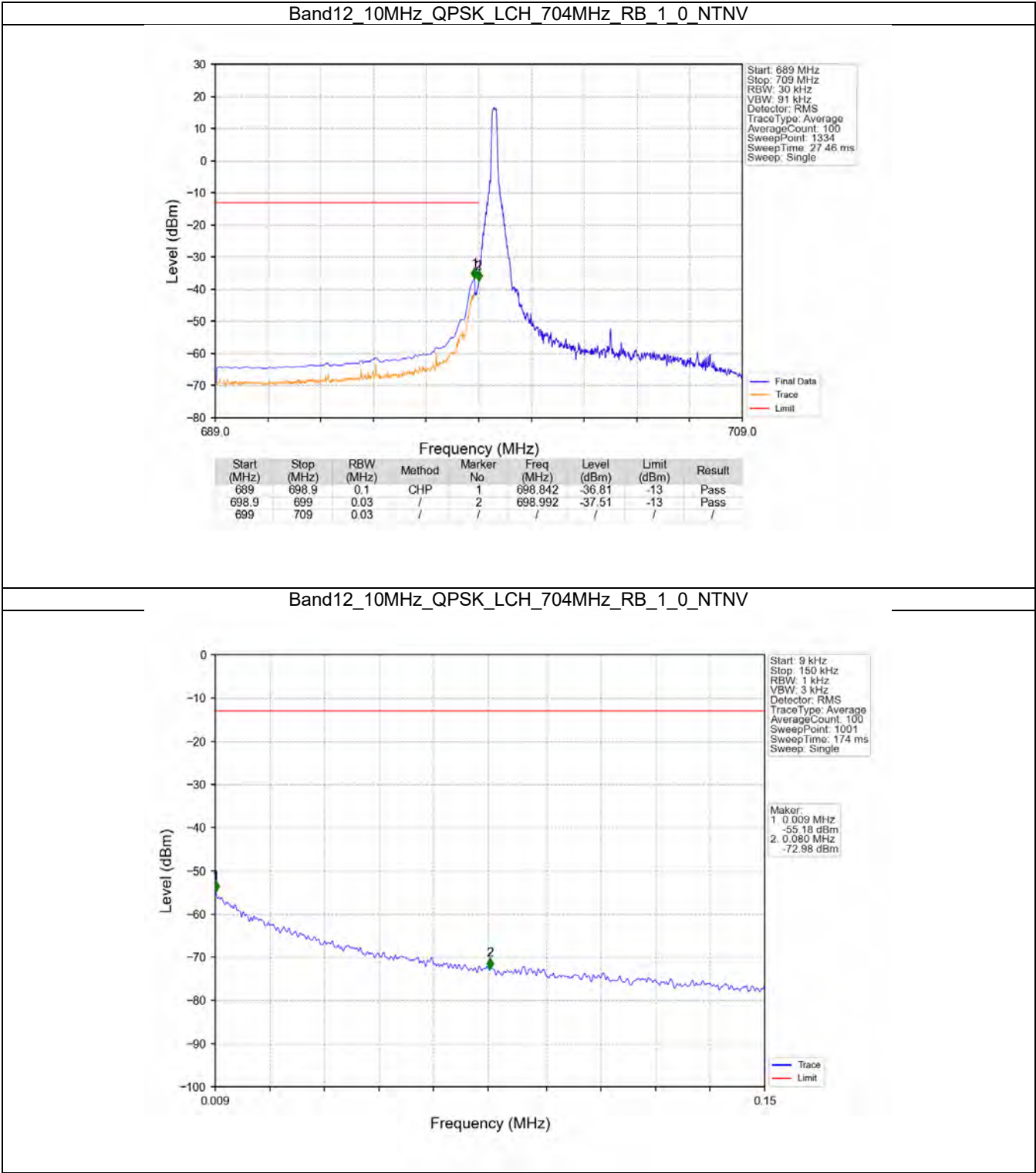
Band12_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



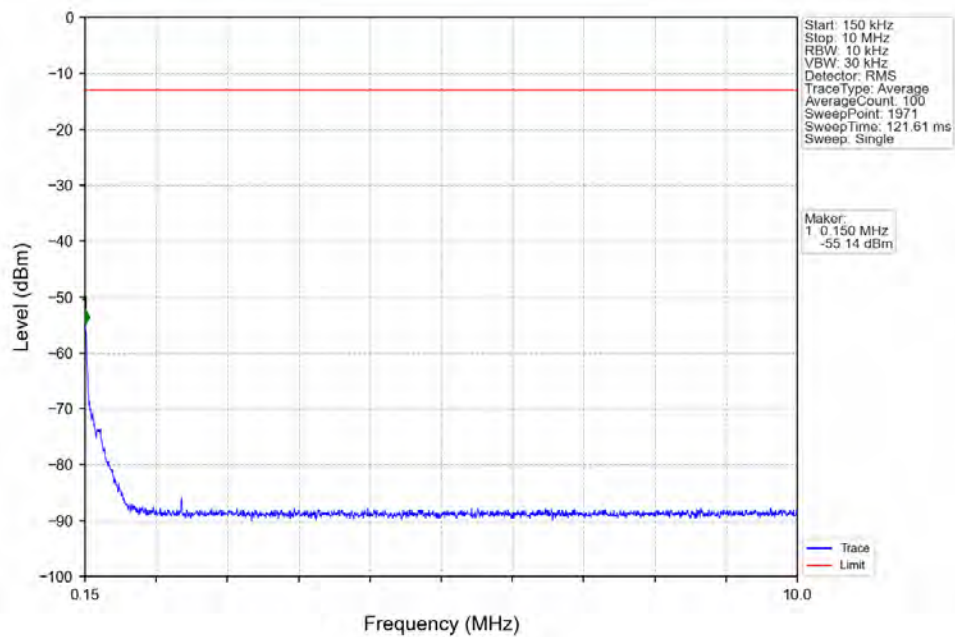
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



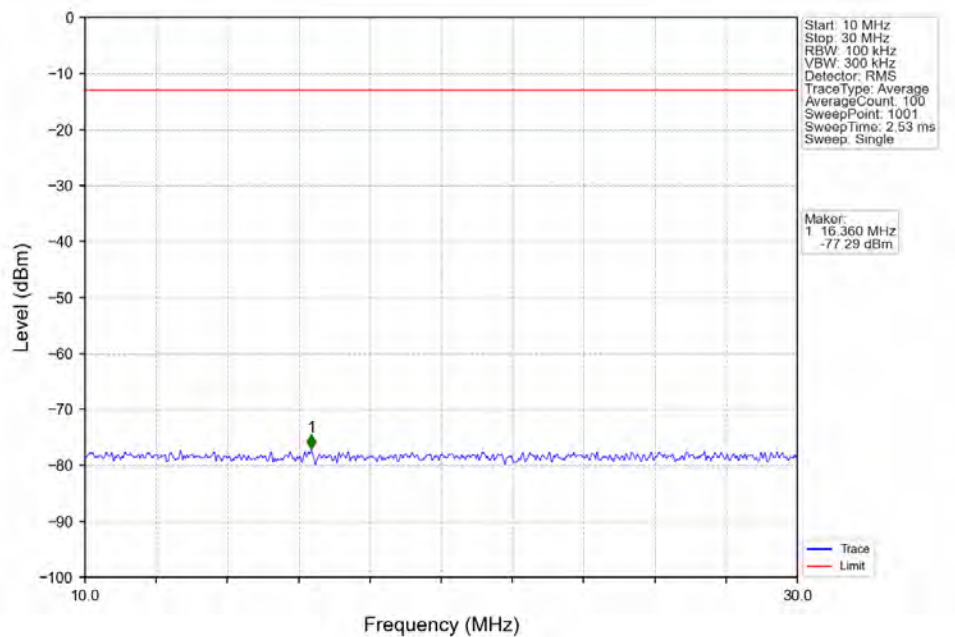
5.2.4 B12_10MHz



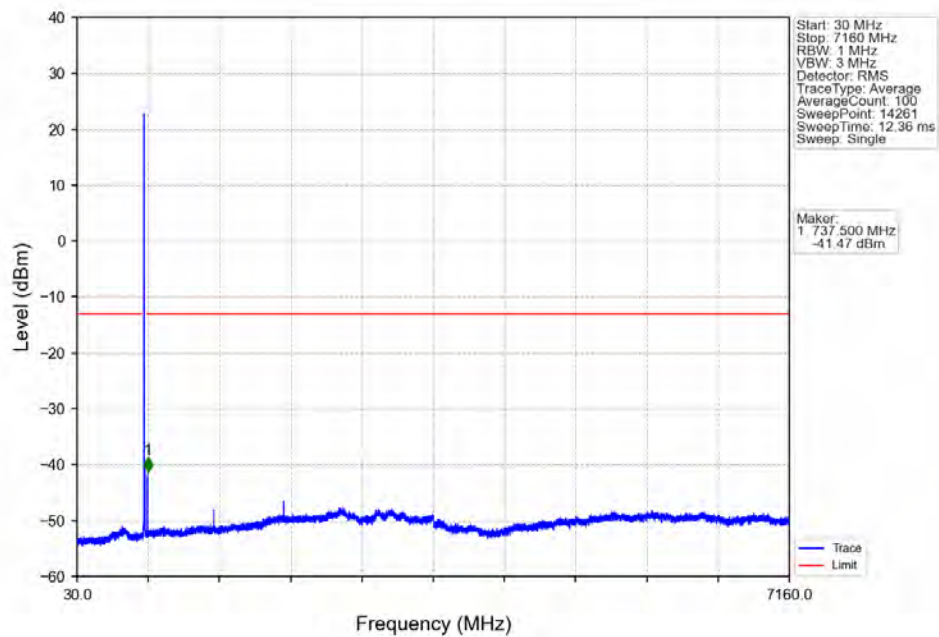
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



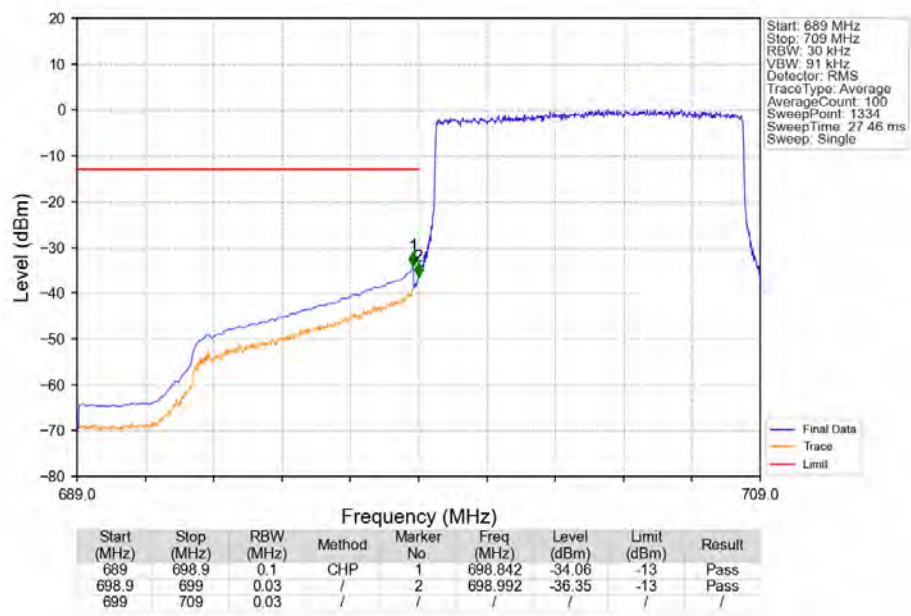
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



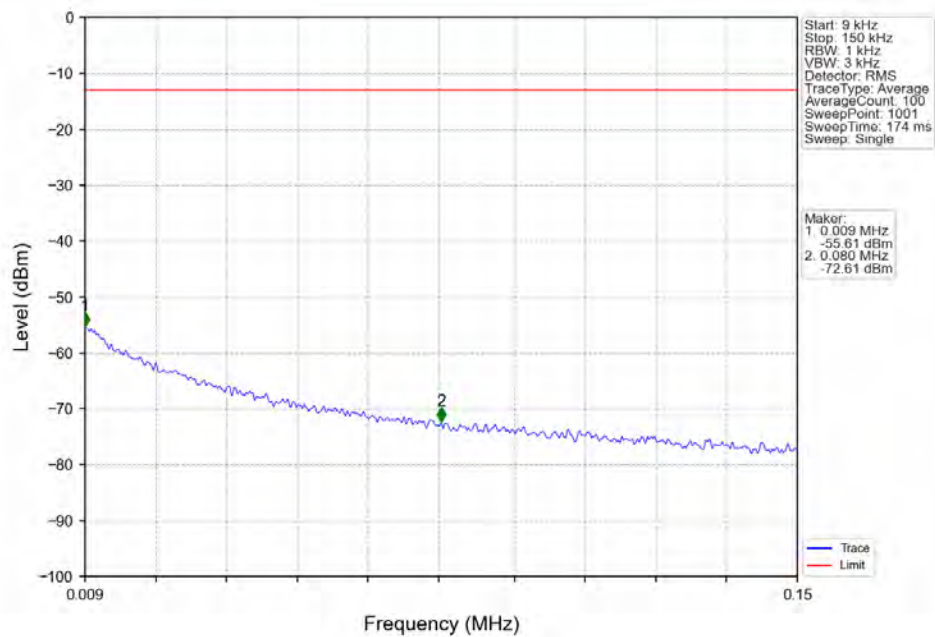
Band12_10MHz_QPSK_LCH_704MHz_RB_1_0_NTNV



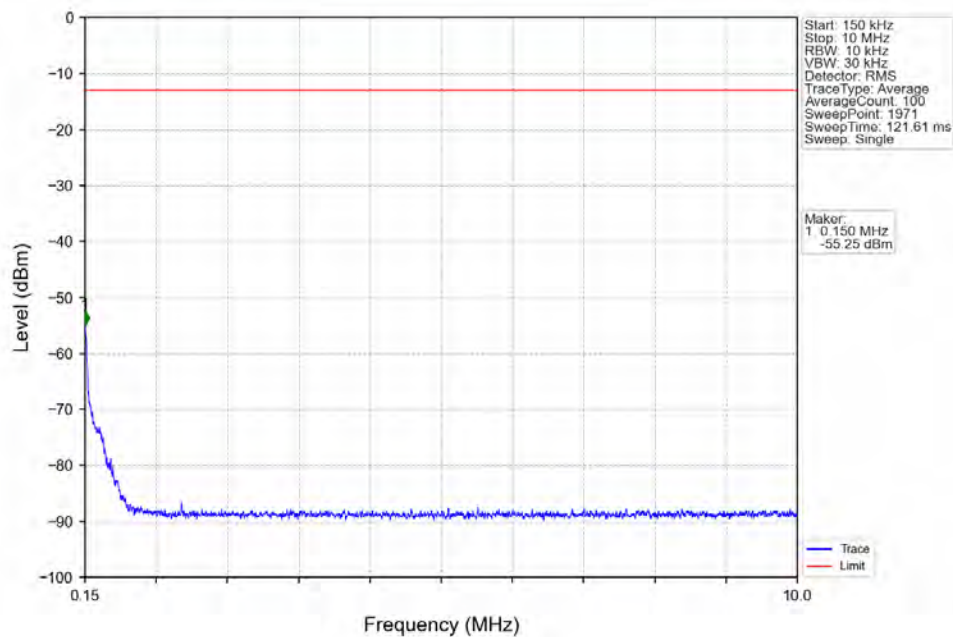
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV



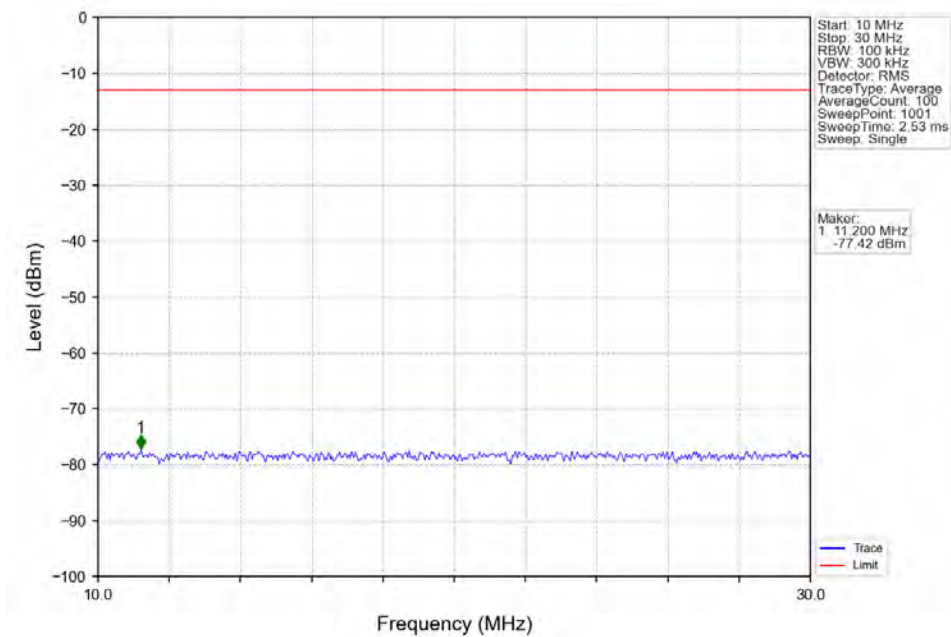
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



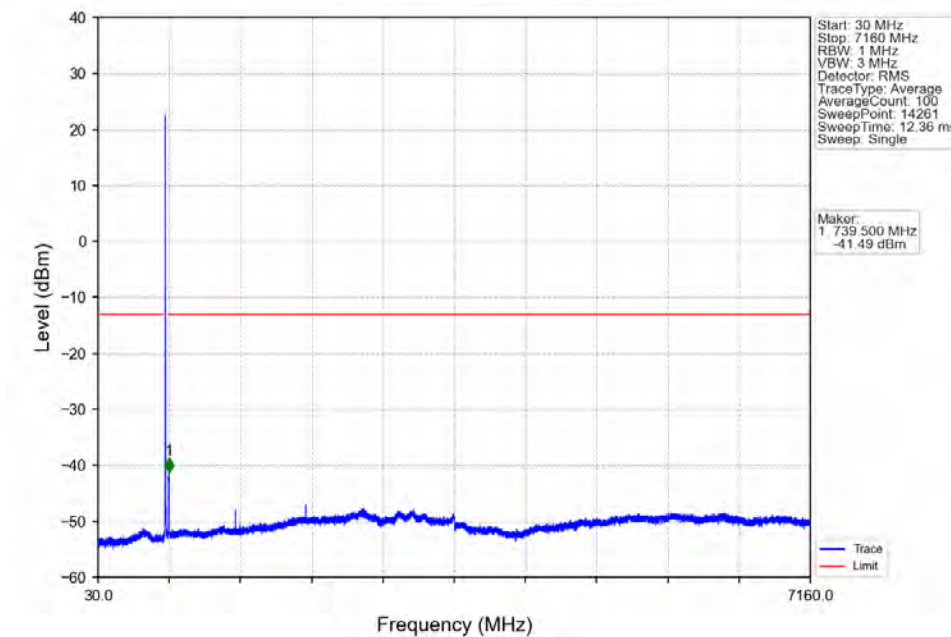
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



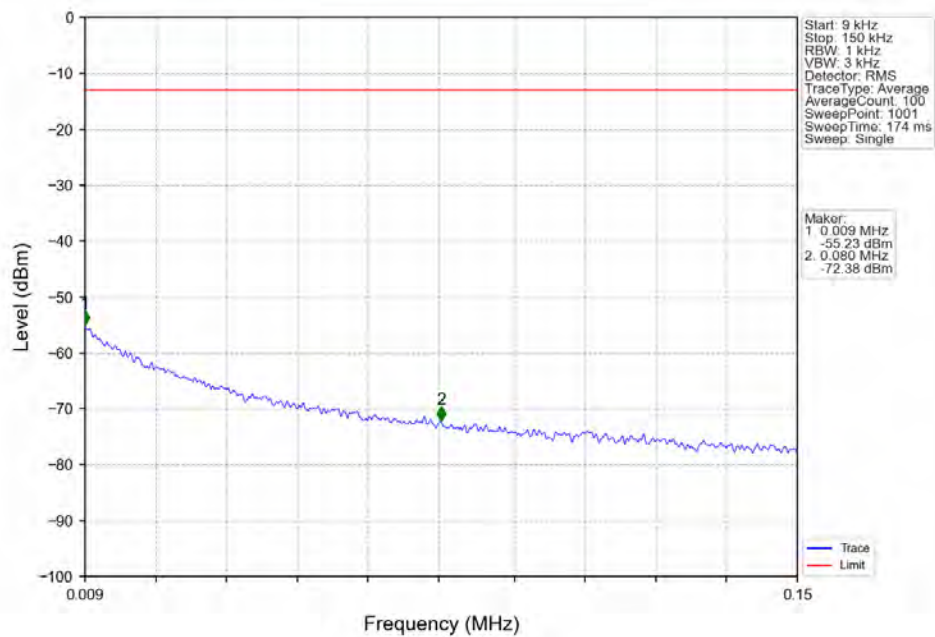
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



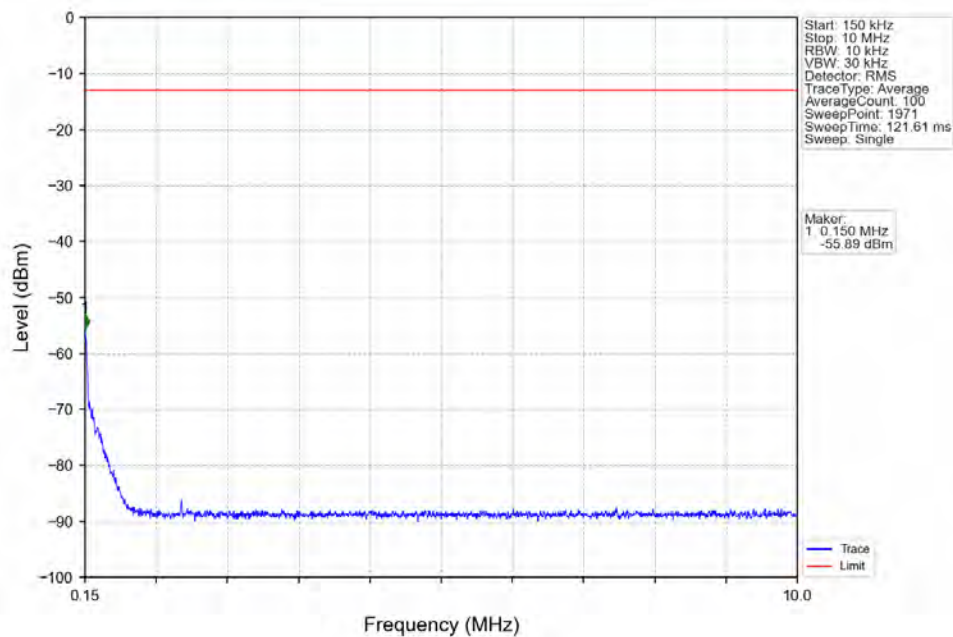
Band12_10MHz_QPSK_MCH_707.5MHz_RB_1_0_NTNV



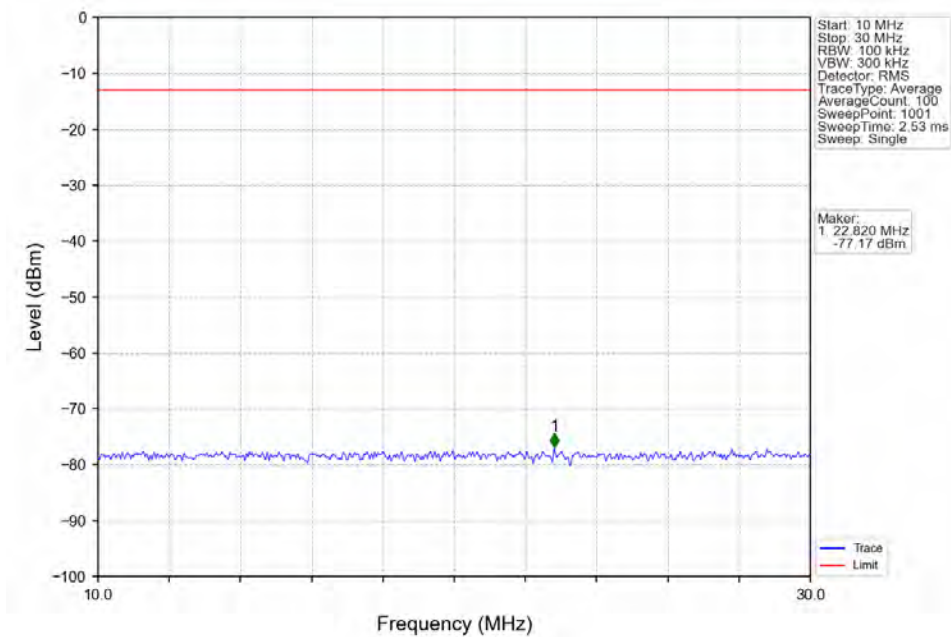
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



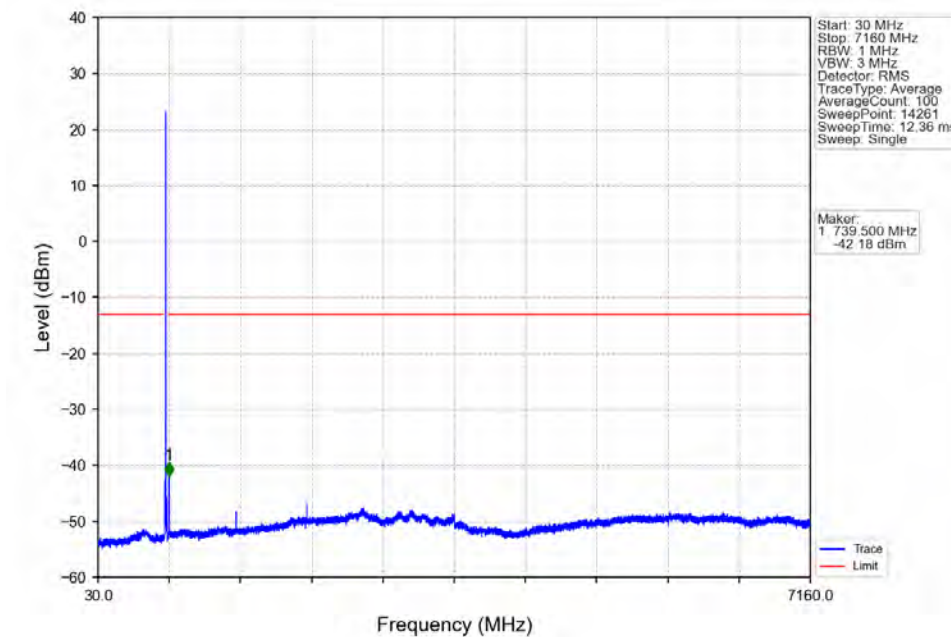
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



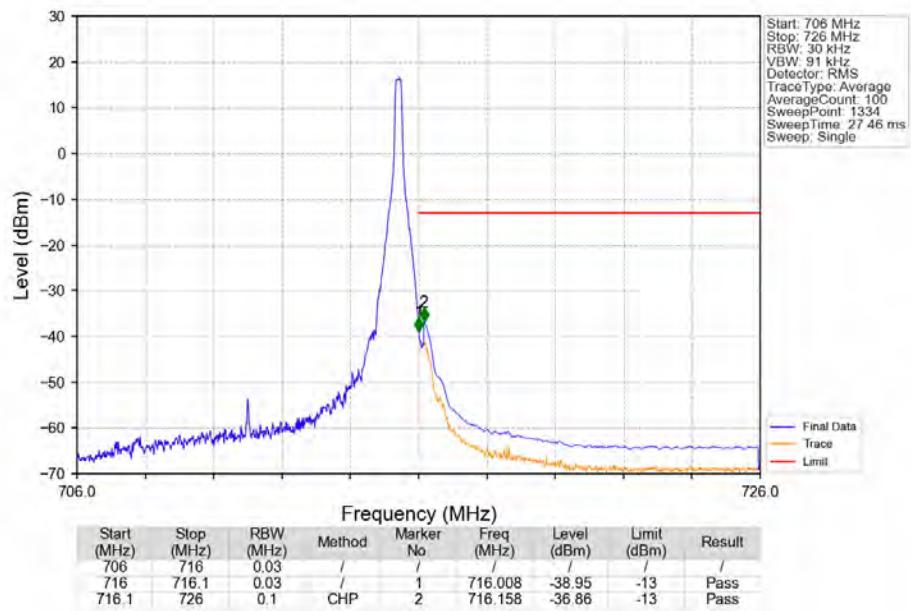
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



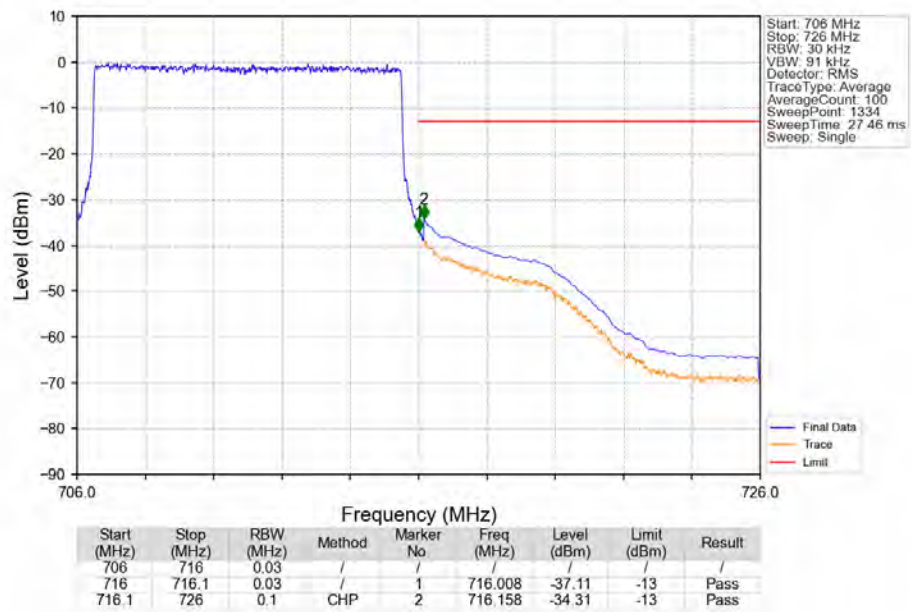
Band12_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band12 10MHz QPSK HCH 711MHz RB 1 49 NTV



Band12 10MHz QPSK HCH 711MHz RB 50 0 NTV



6. Field Strength of Spurious Radiation

For Sample #1:

Test Band = LTE Band12_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1314.2857	47.15	-48.11	25.16	-71.06	-13.00	58.06	Horizontal
2	1780	46.38	-47.99	25.58	-71.29	-13.00	58.29	Horizontal
3	2424	54.38	-47.41	27.05	-61.24	-13.00	48.24	Horizontal
4	3596.5714	45.38	-46.35	28.75	-67.47	-13.00	54.47	Horizontal
5	3984	45.07	-46.20	29.37	-67.02	-13.00	54.02	Horizontal
6	6448.5714	44.61	-44.70	33.93	-61.42	-13.00	48.42	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1314.2857	47.04	-48.11	25.16	-71.17	-13.00	58.17	Vertical
2	2035.4286	46.31	-47.83	26.27	-70.51	-13.00	57.51	Vertical
3	2986.8571	45.60	-46.53	28.08	-68.11	-13.00	55.11	Vertical
4	3842.8571	44.89	-46.19	29.15	-67.41	-13.00	54.41	Vertical
5	4853.1429	49.84	-45.61	31.17	-59.86	-13.00	46.86	Vertical
6	5983.4286	45.26	-44.52	32.40	-62.12	-13.00	49.12	Vertical

Test Band = LTE Band12_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1310.8571	47.35	-48.12	25.16	-70.87	-13.00	57.87	Horizontal
2	2233.7143	46.87	-47.62	26.67	-69.34	-13.00	56.34	Horizontal
3	2937.1429	45.46	-46.55	27.99	-68.36	-13.00	55.36	Horizontal
4	3925.7143	45.06	-46.22	29.28	-67.14	-13.00	54.14	Horizontal
5	5433.1429	45.46	-45.03	32.18	-62.65	-13.00	49.65	Horizontal
6	6794.2857	45.18	-44.12	34.63	-59.57	-13.00	46.57	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1406.1800	45.98	-48.02	25.21	-72.09	-13.00	59.09	Vertical
2	2109.2700	45.20	-47.71	26.42	-71.35	-13.00	58.35	Vertical
3	2812.3600	45.61	-46.88	27.76	-68.76	-13.00	55.76	Vertical
4	3515.4500	45.43	-46.51	28.63	-67.71	-13.00	54.71	Vertical
5	4218.5400	43.03	-45.93	29.93	-68.23	-13.00	55.23	Vertical
6	4921.6300	44.01	-45.63	31.27	-65.61	-13.00	52.61	Vertical

Test Band = LTE Band12_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1222.2857	47.31	-48.47	25.11	-71.31	-13.00	58.31	Horizontal
2	1919.4286	46.88	-48.02	25.96	-70.44	-13.00	57.44	Horizontal
3	2616	46.54	-46.95	27.41	-68.26	-13.00	55.26	Horizontal
4	3598.2857	46.05	-46.34	28.76	-66.80	-13.00	53.80	Horizontal
5	5156	44.65	-45.16	31.68	-64.09	-13.00	51.09	Horizontal
6	6313.1429	44.83	-44.63	33.46	-61.59	-13.00	48.59	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1314.8571	47.36	-48.11	25.16	-70.85	-13.00	57.85	Vertical
2	2399.4286	53.59	-47.45	27.00	-62.12	-13.00	49.12	Vertical
3	3314.2857	45.45	-46.66	28.41	-68.06	-13.00	55.06	Vertical
4	4726.8571	44.69	-45.76	30.96	-65.36	-13.00	52.36	Vertical
5	6122.2857	44.66	-44.73	32.82	-62.52	-13.00	49.52	Vertical
6	7276.5714	45.84	-43.56	35.77	-57.21	-13.00	44.21	Vertical

For Sample #2:

Test Band = LTE Band12_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1405.1429	48.65	-48.02	25.21	-69.42	-13.00	56.42	Horizontal
2	1750.8571	46.30	-48.05	25.55	-71.46	-13.00	58.46	Horizontal
3	2648.5714	45.54	-46.99	27.47	-69.24	-13.00	56.24	Horizontal
4	3594.2857	45.50	-46.35	28.75	-67.36	-13.00	54.36	Horizontal
5	4737.1429	44.42	-45.74	30.98	-65.60	-13.00	52.60	Horizontal
6	6074.2857	44.75	-44.62	32.65	-62.48	-13.00	49.48	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1312	37.90	-48.11	25.16	-80.32	-13.00	67.32	Vertical
2	2070.2857	39.47	-47.77	26.34	-77.22	-13.00	64.22	Vertical
3	2792	39.97	-46.93	27.73	-74.49	-13.00	61.49	Vertical
4	3505.1429	40.53	-46.53	28.61	-72.65	-13.00	59.65	Vertical
5	4599.4286	40.16	-45.79	30.76	-70.13	-13.00	57.13	Vertical
6	6046.8571	42.04	-44.55	32.56	-65.21	-13.00	52.21	Vertical

Test Band = LTE Band12_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1290.2857	46.37	-48.17	25.15	-71.92	-13.00	58.92	Horizontal
2	1841.7143	46.05	-47.99	25.73	-71.48	-13.00	58.48	Horizontal
3	2536	46.15	-47.15	27.26	-68.99	-13.00	55.99	Horizontal
4	3112	45.45	-46.69	28.21	-68.29	-13.00	55.29	Horizontal
5	4419.4286	45.14	-45.83	30.41	-65.55	-13.00	52.55	Horizontal
6	5270.2857	45.17	-45.20	31.89	-63.40	-13.00	50.40	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1528.5714	37.89	-48.31	25.33	-80.35	-13.00	67.35	Vertical
2	1947.4286	39.57	-47.98	26.04	-77.63	-13.00	64.63	Vertical
3	2396.5714	40.20	-47.45	26.99	-75.52	-13.00	62.52	Vertical
4	3356	40.71	-46.60	28.46	-72.70	-13.00	59.70	Vertical
5	4308	39.78	-45.79	30.14	-71.13	-13.00	58.13	Vertical
6	6345.7143	41.73	-44.67	33.58	-64.62	-13.00	51.62	Vertical

Test Band = LTE Band12_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1405.7143	48.63	-48.02	25.21	-69.44	-13.00	56.44	Horizontal
2	1731.4286	45.92	-48.09	25.53	-71.90	-13.00	58.90	Horizontal
3	2233.1429	46.30	-47.62	26.67	-69.91	-13.00	56.91	Horizontal
4	3142.8571	45.33	-46.55	28.24	-68.24	-13.00	55.24	Horizontal
5	4158.2857	43.75	-45.93	29.78	-67.67	-13.00	54.67	Horizontal
6	5417.1429	45.49	-45.00	32.15	-62.62	-13.00	49.62	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1468	37.85	-48.22	25.27	-80.36	-13.00	67.36	Vertical
2	1880.5714	38.36	-48.03	25.84	-79.09	-13.00	66.09	Vertical
3	2442.2857	40.03	-47.37	27.08	-75.52	-13.00	62.52	Vertical
4	3013.7143	40.19	-46.55	28.11	-73.51	-13.00	60.51	Vertical
5	3781.7143	39.13	-46.16	29.05	-73.24	-13.00	60.24	Vertical
6	5137.1429	40.60	-45.24	31.65	-68.25	-13.00	55.25	Vertical