1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	22.72	-4.82	15.75	<=34.77	Pass
			2	22.60	-4.82	15.63	<=34.77	Pass
			5	22.48	-4.82	15.51	<=34.77	Pass
		3	0	**23.27**	-4.82	16.30	<=34.77	Pass
			2	23.23	-4.82	16.26	<=34.77	Pass
			3	23.07	-4.82	16.10	<=34.77	Pass
		6	0	21.11	-4.82	14.14	<=34.77	Pass
	707.5	1	0	22.77	-4.82	15.80	<=34.77	Pass
			2	22.73	-4.82	15.76	<=34.77	Pass
			5	22.86	-4.82	15.89	<=34.77	Pass
		3	0	22.68	-4.82	15.71	<=34.77	Pass
			2	22.60	-4.82	15.63	<=34.77	Pass
			3	22.58	-4.82	15.61	<=34.77	Pass
		6	0	21.63	-4.82	14.66	<=34.77	Pass
	715.3	1	0	22.85	-4.82	15.88	<=34.77	Pass
			2	22.82	-4.82	15.85	<=34.77	Pass
			5	22.69	-4.82	15.72	<=34.77	Pass
		3	0	22.71	-4.82	15.74	<=34.77	Pass
			2	22.76	-4.82	15.79	<=34.77	Pass
			3	22.53	-4.82	15.56	<=34.77	Pass
		6	0	21.77	-4.82	14.80	<=34.77	Pass
16QAM	699.7	1	0	20.76	-4.82	13.79	<=34.77	Pass
			2	21.65	-4.82	14.68	<=34.77	Pass
			5	22.02	-4.82	15.05	<=34.77	Pass
		3	0	22.03	-4.82	15.06	<=34.77	Pass
			2	21.83	-4.82	14.86	<=34.77	Pass
			3	21.96	-4.82	14.99	<=34.77	Pass
		6	0	20.65	-4.82	13.68	<=34.77	Pass
	707.5	1	0	21.87	-4.82	14.90	<=34.77	Pass
			2	22.13	-4.82	15.16	<=34.77	Pass
			5	21.81	-4.82	14.84	<=34.77	Pass
		3	0	21.24	-4.82	14.27	<=34.77	Pass
			2	21.09	-4.82	14.12	<=34.77	Pass
			3	20.82	-4.82	13.85	<=34.77	Pass
		6	0	21.10	-4.82	14.13	<=34.77	Pass
	715.3	1	0	21.64	-4.82	14.67	<=34.77	Pass
			2	21.86	-4.82	14.89	<=34.77	Pass
			5	21.55	-4.82	14.58	<=34.77	Pass
		3	0	21.65	-4.82	14.68	<=34.77	Pass
			2	21.81	-4.82	14.84	<=34.77	Pass
			3	21.72	-4.82	14.75	<=34.77	Pass
		6	0	20.77	-4.82	13.80	<=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	22.96	-4.82	15.99	<=34.77	Pass
			7	23.08	-4.82	16.11	<=34.77	Pass
			14	22.66	-4.82	15.69	<=34.77	Pass
		8	0	21.80	-4.82	14.83	<=34.77	Pass
			4	21.61	-4.82	14.64	<=34.77	Pass
			7	21.94	-4.82	14.97	<=34.77	Pass
		15	0	21.44	-4.82	14.47	<=34.77	Pass
	707.5	1	0	**23.47**	-4.82	16.50	<=34.77	Pass
			7	22.90	-4.82	15.93	<=34.77	Pass
			14	22.57	-4.82	15.60	<=34.77	Pass
		8	0	21.91	-4.82	14.94	<=34.77	Pass
			4	22.11	-4.82	15.14	<=34.77	Pass
			7	22.02	-4.82	15.05	<=34.77	Pass
		15	0	21.76	-4.82	14.79	<=34.77	Pass
	714.5	1	0	23.03	-4.82	16.06	<=34.77	Pass
			7	22.59	-4.82	15.62	<=34.77	Pass
			14	22.65	-4.82	15.68	<=34.77	Pass
		8	0	21.62	-4.82	14.65	<=34.77	Pass
			4	22.09	-4.82	15.12	<=34.77	Pass
			7	22.00	-4.82	15.03	<=34.77	Pass
		15	0	21.74	-4.82	14.77	<=34.77	Pass
16QAM	700.5	1	0	21.72	-4.82	14.75	<=34.77	Pass
			7	22.05	-4.82	15.08	<=34.77	Pass
			14	22.44	-4.82	15.47	<=34.77	Pass
		8	0	21.06	-4.82	14.09	<=34.77	Pass
			4	21.10	-4.82	14.13	<=34.77	Pass
			7	21.01	-4.82	14.04	<=34.77	Pass
		15	0	20.91	-4.82	13.94	<=34.77	Pass
	707.5	1	0	22.08	-4.82	15.11	<=34.77	Pass
			7	22.08	-4.82	15.11	<=34.77	Pass
			14	21.85	-4.82	14.88	<=34.77	Pass
		8	0	20.66	-4.82	13.69	<=34.77	Pass
			4	20.99	-4.82	14.02	<=34.77	Pass
			7	20.99	-4.82	14.02	<=34.77	Pass
		15	0	21.01	-4.82	14.04	<=34.77	Pass
	714.5	1	0	21.49	-4.82	14.52	<=34.77	Pass
			7	21.87	-4.82	14.90	<=34.77	Pass
			14	22.08	-4.82	15.11	<=34.77	Pass
		8	0	20.96	-4.82	13.99	<=34.77	Pass
			4	20.98	-4.82	14.01	<=34.77	Pass
			7	21.04	-4.82	14.07	<=34.77	Pass
		15	0	21.03	-4.82	14.06	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	22.55	-4.82	15.58	<=34.77	Pass
			13	21.50	-4.82	14.53	<=34.77	Pass
			24	22.66	-4.82	15.69	<=34.77	Pass
		12	0	21.80	-4.82	14.83	<=34.77	Pass
			6	21.93	-4.82	14.96	<=34.77	Pass
			13	21.86	-4.82	14.89	<=34.77	Pass
		25	0	21.96	-4.82	14.99	<=34.77	Pass
	707.5	1	0	23.07	-4.82	16.10	<=34.77	Pass
			13	22.82	-4.82	15.85	<=34.77	Pass
			24	22.94	-4.82	15.97	<=34.77	Pass
		12	0	22.44	-4.82	15.47	<=34.77	Pass
			6	21.79	-4.82	14.82	<=34.77	Pass
			13	22.37	-4.82	15.40	<=34.77	Pass
		25	0	21.71	-4.82	14.74	<=34.77	Pass
	713.5	1	0	23.03	-4.82	16.06	<=34.77	Pass
			13	**23.14**	-4.82	16.17	<=34.77	Pass
			24	22.69	-4.82	15.72	<=34.77	Pass
		12	0	21.71	-4.82	14.74	<=34.77	Pass
			6	21.67	-4.82	14.70	<=34.77	Pass
			13	22.25	-4.82	15.28	<=34.77	Pass
		25	0	21.73	-4.82	14.76	<=34.77	Pass
16QAM	701.5	1	0	21.02	-4.82	14.05	<=34.77	Pass
			13	22.45	-4.82	15.48	<=34.77	Pass
			24	22.14	-4.82	15.17	<=34.77	Pass
		12	0	21.01	-4.82	14.04	<=34.77	Pass
			6	20.94	-4.82	13.97	<=34.77	Pass
			13	20.85	-4.82	13.88	<=34.77	Pass
		25	0	20.99	-4.82	14.02	<=34.77	Pass
	707.5	1	0	22.43	-4.82	15.46	<=34.77	Pass
			13	22.00	-4.82	15.03	<=34.77	Pass
			24	21.75	-4.82	14.78	<=34.77	Pass
		12	0	20.74	-4.82	13.77	<=34.77	Pass
			6	21.09	-4.82	14.12	<=34.77	Pass
			13	20.84	-4.82	13.87	<=34.77	Pass
		25	0	21.24	-4.82	14.27	<=34.77	Pass
	713.5	1	0	22.00	-4.82	15.03	<=34.77	Pass
			13	22.47	-4.82	15.50	<=34.77	Pass
			24	21.63	-4.82	14.66	<=34.77	Pass
		12	0	20.99	-4.82	14.02	<=34.77	Pass
			6	20.85	-4.82	13.88	<=34.77	Pass
			13	20.97	-4.82	14.00	<=34.77	Pass
		25	0	21.14	-4.82	14.17	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	22.84	-4.82	15.87	<=34.77	Pass
			25	21.90	-4.82	14.93	<=34.77	Pass
			49	23.11	-4.82	16.14	<=34.77	Pass
		25	0	22.16	-4.82	15.19	<=34.77	Pass
			13	**23.23**	-4.82	16.26	<=34.77	Pass
			25	22.36	-4.82	15.39	<=34.77	Pass
		50	0	22.49	-4.82	15.52	<=34.77	Pass
	707.5	1	0	22.90	-4.82	15.93	<=34.77	Pass
			25	22.79	-4.82	15.82	<=34.77	Pass
			49	22.90	-4.82	15.93	<=34.77	Pass
		25	0	21.94	-4.82	14.97	<=34.77	Pass
			13	22.04	-4.82	15.07	<=34.77	Pass
			25	22.27	-4.82	15.30	<=34.77	Pass
		50	0	22.10	-4.82	15.13	<=34.77	Pass
	711	1	0	22.21	-4.82	15.24	<=34.77	Pass
			25	22.87	-4.82	15.90	<=34.77	Pass
			49	22.90	-4.82	15.93	<=34.77	Pass
		25	0	21.82	-4.82	14.85	<=34.77	Pass
			13	22.42	-4.82	15.45	<=34.77	Pass
			25	22.06	-4.82	15.09	<=34.77	Pass
		50	0	22.18	-4.82	15.21	<=34.77	Pass
16QAM	704	1	0	21.87	-4.82	14.90	<=34.77	Pass
			25	22.38	-4.82	15.41	<=34.77	Pass
			49	21.14	-4.82	14.17	<=34.77	Pass
		25	0	20.85	-4.82	13.88	<=34.77	Pass
			13	20.90	-4.82	13.93	<=34.77	Pass
			25	20.91	-4.82	13.94	<=34.77	Pass
		50	0	20.89	-4.82	13.92	<=34.77	Pass
	707.5	1	0	22.34	-4.82	15.37	<=34.77	Pass
			25	22.08	-4.82	15.11	<=34.77	Pass
			49	22.43	-4.82	15.46	<=34.77	Pass
		25	0	21.12	-4.82	14.15	<=34.77	Pass
			13	21.32	-4.82	14.35	<=34.77	Pass
			25	21.08	-4.82	14.11	<=34.77	Pass
		50	0	20.91	-4.82	13.94	<=34.77	Pass
	711	1	0	20.78	-4.82	13.81	<=34.77	Pass
			25	21.74	-4.82	14.77	<=34.77	Pass
			49	22.09	-4.82	15.12	<=34.77	Pass
		25	0	21.33	-4.82	14.36	<=34.77	Pass
			13	21.04	-4.82	14.07	<=34.77	Pass
			25	21.04	-4.82	14.07	<=34.77	Pass
		50	0	20.96	-4.82	13.99	<=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	-5.100	-0.0073	-2.5 to 2.5	Pass
					3.85	-7.200	-0.0103	-2.5 to 2.5	Pass
					4.43	-9.400	-0.0134	-2.5 to 2.5	Pass
				-30	3.85	-12.500	-0.0179	-2.5 to 2.5	Pass
				-20	3.85	-13.900	-0.0199	-2.5 to 2.5	Pass
				-10	3.85	-14.600	-0.0209	-2.5 to 2.5	Pass
				0	3.85	-14.700	-0.0210	-2.5 to 2.5	Pass
				10	3.85	-13.700	-0.0196	-2.5 to 2.5	Pass
				30	3.85	-12.400	-0.0177	-2.5 to 2.5	Pass
				40	3.85	-11.300	-0.0161	-2.5 to 2.5	Pass
				50	3.85	-9.800	-0.0140	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-3.100	-0.0044	-2.5 to 2.5	Pass
					3.85	-2.800	-0.0040	-2.5 to 2.5	Pass
					4.43	-5.300	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-6.500	-0.0092	-2.5 to 2.5	Pass
				-20	3.85	-6.400	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-7.200	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-9.000	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-8.400	-0.0119	-2.5 to 2.5	Pass
				30	3.85	-11.400	-0.0161	-2.5 to 2.5	Pass
				40	3.85	-12.100	-0.0171	-2.5 to 2.5	Pass
				50	3.85	-11.500	-0.0163	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	0.700	0.0010	-2.5 to 2.5	Pass
					3.85	-1.300	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.000	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-4.500	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-5.600	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-5.700	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-6.500	-0.0091	-2.5 to 2.5	Pass
				10	3.85	-8.200	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-8.500	-0.0119	-2.5 to 2.5	Pass
				40	3.85	-9.800	-0.0137	-2.5 to 2.5	Pass
				50	3.85	-9.900	-0.0138	-2.5 to 2.5	Pass
16QAM	699.7	6	0	20	3.27	-9.700	-0.0139	-2.5 to 2.5	Pass
					3.85	-7.300	-0.0104	-2.5 to 2.5	Pass
					4.43	-5.200	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-4.900	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-4.400	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-3.800	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-3.600	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-3.200	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-4.500	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-2.600	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-1.500	-0.0021	-2.5 to 2.5	Pass
	707.5	6	0	20	3.27	-12.000	-0.0170	-2.5 to 2.5	Pass
					3.85	-14.400	-0.0204	-2.5 to 2.5	Pass

					4.43	-15.600	-0.0220	-2.5 to 2.5	Pass
				-30	3.85	-15.800	-0.0223	-2.5 to 2.5	Pass
				-20	3.85	-17.500	-0.0247	-2.5 to 2.5	Pass
				-10	3.85	-17.300	-0.0245	-2.5 to 2.5	Pass
				0	3.85	-18.300	-0.0259	-2.5 to 2.5	Pass
				10	3.85	-19.900	-0.0281	-2.5 to 2.5	Pass
				30	3.85	-21.000	-0.0297	-2.5 to 2.5	Pass
				40	3.85	-21.200	-0.0300	-2.5 to 2.5	Pass
				50	3.85	-22.000	-0.0311	-2.5 to 2.5	Pass
	715.3	6	0	20	3.27	-10.200	-0.0143	-2.5 to 2.5	Pass
					3.85	-13.400	-0.0187	-2.5 to 2.5	Pass
					4.43	-14.600	-0.0204	-2.5 to 2.5	Pass
				-30	3.85	-14.800	-0.0207	-2.5 to 2.5	Pass
				-20	3.85	-14.900	-0.0208	-2.5 to 2.5	Pass
				-10	3.85	-14.200	-0.0199	-2.5 to 2.5	Pass
				0	3.85	-13.200	-0.0185	-2.5 to 2.5	Pass
				10	3.85	-13.400	-0.0187	-2.5 to 2.5	Pass
				30	3.85	-14.200	-0.0199	-2.5 to 2.5	Pass
				40	3.85	-12.400	-0.0173	-2.5 to 2.5	Pass
				50	3.85	-12.900	-0.0180	-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	4.000	0.0057	-2.5 to 2.5	Pass
					3.85	1.200	0.0017	-2.5 to 2.5	Pass
					4.43	-1.700	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-0.700	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.500	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				0	3.85	2.000	0.0029	-2.5 to 2.5	Pass
				10	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				50	3.85	1.000	0.0014	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	1.500	0.0021	-2.5 to 2.5	Pass
					3.85	1.700	0.0024	-2.5 to 2.5	Pass
					4.43	0.400	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.600	0.0023	-2.5 to 2.5	Pass
				-20	3.85	2.700	0.0038	-2.5 to 2.5	Pass
				-10	3.85	0.500	0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.600	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.100	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.300	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-3.800	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-5.000	-0.0071	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	5.900	0.0083	-2.5 to 2.5	Pass
					3.85	4.000	0.0056	-2.5 to 2.5	Pass
					4.43	0.300	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.800	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.400	0.0020	-2.5 to 2.5	Pass
				-10	3.85	2.400	0.0034	-2.5 to 2.5	Pass
				0	3.85	3.900	0.0055	-2.5 to 2.5	Pass

				10	3.85	4.900	0.0069	-2.5 to 2.5	Pass
				30	3.85	6.900	0.0097	-2.5 to 2.5	Pass
				40	3.85	7.700	0.0108	-2.5 to 2.5	Pass
				50	3.85	10.700	0.0150	-2.5 to 2.5	Pass
16QAM	700.5	15	0	20	3.27	1.100	0.0016	-2.5 to 2.5	Pass
					3.85	-0.200	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.400	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.700	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	1.200	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.300	0.0019	-2.5 to 2.5	Pass
				10	3.85	2.800	0.0040	-2.5 to 2.5	Pass
				30	3.85	1.800	0.0026	-2.5 to 2.5	Pass
				40	3.85	2.500	0.0036	-2.5 to 2.5	Pass
				50	3.85	3.200	0.0046	-2.5 to 2.5	Pass
	707.5	15	0	20	3.27	-4.900	-0.0069	-2.5 to 2.5	Pass
					3.85	-7.200	-0.0102	-2.5 to 2.5	Pass
					4.43	-9.300	-0.0131	-2.5 to 2.5	Pass
				-30	3.85	-10.900	-0.0154	-2.5 to 2.5	Pass
				-20	3.85	-11.300	-0.0160	-2.5 to 2.5	Pass
				-10	3.85	-10.100	-0.0143	-2.5 to 2.5	Pass
				0	3.85	-11.000	-0.0155	-2.5 to 2.5	Pass
				10	3.85	-11.500	-0.0163	-2.5 to 2.5	Pass
				30	3.85	-11.300	-0.0160	-2.5 to 2.5	Pass
				40	3.85	-10.700	-0.0151	-2.5 to 2.5	Pass
				50	3.85	-11.400	-0.0161	-2.5 to 2.5	Pass
	714.5	15	0	20	3.27	9.600	0.0134	-2.5 to 2.5	Pass
					3.85	12.600	0.0176	-2.5 to 2.5	Pass
					4.43	15.400	0.0216	-2.5 to 2.5	Pass
				-30	3.85	16.000	0.0224	-2.5 to 2.5	Pass
				-20	3.85	15.400	0.0216	-2.5 to 2.5	Pass
				-10	3.85	15.900	0.0223	-2.5 to 2.5	Pass
				0	3.85	16.600	0.0232	-2.5 to 2.5	Pass
				10	3.85	18.200	0.0255	-2.5 to 2.5	Pass
				30	3.85	18.700	0.0262	-2.5 to 2.5	Pass
				40	3.85	19.400	0.0272	-2.5 to 2.5	Pass
				50	3.85	19.200	0.0269	-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	2.300	0.0033	-2.5 to 2.5	Pass
					3.85	-1.300	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.400	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-5.500	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-5.000	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-6.500	-0.0093	-2.5 to 2.5	Pass
				0	3.85	-5.800	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-4.100	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-3.500	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-1.900	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-1.200	-0.0017	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	0.400	0.0006	-2.5 to 2.5	Pass

					3.85	2.700	0.0038	-2.5 to 2.5	Pass
					4.43	0.500	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.700	0.0010	-2.5 to 2.5	Pass
				-20	3.85	2.000	0.0028	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.800	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-5.200	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-3.900	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-5.200	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-5.100	-0.0072	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	0.200	0.0003	-2.5 to 2.5	Pass
					3.85	-1.000	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.800	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-3.500	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-5.100	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-4.400	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-3.600	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-4.200	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-3.800	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-2.600	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-1.500	-0.0021	-2.5 to 2.5	Pass
16QAM	701.5	25	0	20	3.27	-0.600	-0.0009	-2.5 to 2.5	Pass
					3.85	0.200	0.0003	-2.5 to 2.5	Pass
					4.43	1.700	0.0024	-2.5 to 2.5	Pass
				-30	3.85	2.500	0.0036	-2.5 to 2.5	Pass
				-20	3.85	3.400	0.0048	-2.5 to 2.5	Pass
				-10	3.85	4.300	0.0061	-2.5 to 2.5	Pass
				0	3.85	3.900	0.0056	-2.5 to 2.5	Pass
				10	3.85	5.100	0.0073	-2.5 to 2.5	Pass
				30	3.85	7.000	0.0100	-2.5 to 2.5	Pass
				40	3.85	7.400	0.0105	-2.5 to 2.5	Pass
				50	3.85	7.900	0.0113	-2.5 to 2.5	Pass
	707.5	25	0	20	3.27	-6.000	-0.0085	-2.5 to 2.5	Pass
					3.85	-7.400	-0.0105	-2.5 to 2.5	Pass
					4.43	-7.400	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-7.700	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-7.600	-0.0107	-2.5 to 2.5	Pass
				-10	3.85	-7.700	-0.0109	-2.5 to 2.5	Pass
				0	3.85	-8.100	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-8.100	-0.0114	-2.5 to 2.5	Pass
				30	3.85	-9.200	-0.0130	-2.5 to 2.5	Pass
				40	3.85	-10.200	-0.0144	-2.5 to 2.5	Pass
				50	3.85	-9.900	-0.0140	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.900	-0.0027	-2.5 to 2.5	Pass
					3.85	0.400	0.0006	-2.5 to 2.5	Pass
					4.43	0.200	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.300	0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.000	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.600	0.0022	-2.5 to 2.5	Pass
				0	3.85	1.500	0.0021	-2.5 to 2.5	Pass
				10	3.85	2.400	0.0034	-2.5 to 2.5	Pass
				30	3.85	3.500	0.0049	-2.5 to 2.5	Pass
				40	3.85	3.300	0.0046	-2.5 to 2.5	Pass
				50	3.85	4.000	0.0056	-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	4.300	0.0061	-2.5 to 2.5	Pass
					3.85	1.600	0.0023	-2.5 to 2.5	Pass
					4.43	-1.900	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-2.800	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-2.300	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-1.500	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-0.400	-0.0006	-2.5 to 2.5	Pass
				10	3.85	1.300	0.0018	-2.5 to 2.5	Pass
				30	3.85	1.200	0.0017	-2.5 to 2.5	Pass
				40	3.85	1.200	0.0017	-2.5 to 2.5	Pass
				50	3.85	2.400	0.0034	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	3.900	0.0055	-2.5 to 2.5	Pass
					3.85	6.700	0.0095	-2.5 to 2.5	Pass
					4.43	4.100	0.0058	-2.5 to 2.5	Pass
				-30	3.85	2.500	0.0035	-2.5 to 2.5	Pass
				-20	3.85	0.500	0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.000	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.700	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-4.200	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-4.700	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-6.600	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-7.100	-0.0100	-2.5 to 2.5	Pass
	711	50	0	20	3.27	4.200	0.0059	-2.5 to 2.5	Pass
					3.85	6.100	0.0086	-2.5 to 2.5	Pass
					4.43	4.600	0.0065	-2.5 to 2.5	Pass
				-30	3.85	3.800	0.0053	-2.5 to 2.5	Pass
				-20	3.85	3.000	0.0042	-2.5 to 2.5	Pass
				-10	3.85	1.900	0.0027	-2.5 to 2.5	Pass
				0	3.85	0.900	0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.400	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.000	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-2.900	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-4.200	-0.0059	-2.5 to 2.5	Pass
16QAM	704	50	0	20	3.27	3.700	0.0053	-2.5 to 2.5	Pass
					3.85	4.700	0.0067	-2.5 to 2.5	Pass
					4.43	5.300	0.0075	-2.5 to 2.5	Pass
				-30	3.85	6.800	0.0097	-2.5 to 2.5	Pass
				-20	3.85	7.000	0.0099	-2.5 to 2.5	Pass
				-10	3.85	7.800	0.0111	-2.5 to 2.5	Pass
				0	3.85	8.100	0.0115	-2.5 to 2.5	Pass
				10	3.85	8.600	0.0122	-2.5 to 2.5	Pass
				30	3.85	8.800	0.0125	-2.5 to 2.5	Pass
				40	3.85	9.300	0.0132	-2.5 to 2.5	Pass
				50	3.85	8.800	0.0125	-2.5 to 2.5	Pass
	707.5	50	0	20	3.27	-9.000	-0.0127	-2.5 to 2.5	Pass
					3.85	-11.600	-0.0164	-2.5 to 2.5	Pass
					4.43	-13.200	-0.0187	-2.5 to 2.5	Pass
				-30	3.85	-15.500	-0.0219	-2.5 to 2.5	Pass
				-20	3.85	-14.600	-0.0206	-2.5 to 2.5	Pass
				-10	3.85	-13.400	-0.0189	-2.5 to 2.5	Pass
				0	3.85	-13.800	-0.0195	-2.5 to 2.5	Pass

				10	3.85	-14.700	-0.0208	-2.5 to 2.5	Pass
				30	3.85	-13.200	-0.0187	-2.5 to 2.5	Pass
				40	3.85	-14.500	-0.0205	-2.5 to 2.5	Pass
				50	3.85	-13.900	-0.0196	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.400	-0.0076	-2.5 to 2.5	Pass
					3.85	-9.100	-0.0128	-2.5 to 2.5	Pass
					4.43	-9.700	-0.0136	-2.5 to 2.5	Pass
				-30	3.85	-9.600	-0.0135	-2.5 to 2.5	Pass
				-20	3.85	-9.800	-0.0138	-2.5 to 2.5	Pass
				-10	3.85	-9.900	-0.0139	-2.5 to 2.5	Pass
				0	3.85	-9.700	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-10.500	-0.0148	-2.5 to 2.5	Pass
				30	3.85	-8.100	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-7.500	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-7.400	-0.0104	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band12_OBW

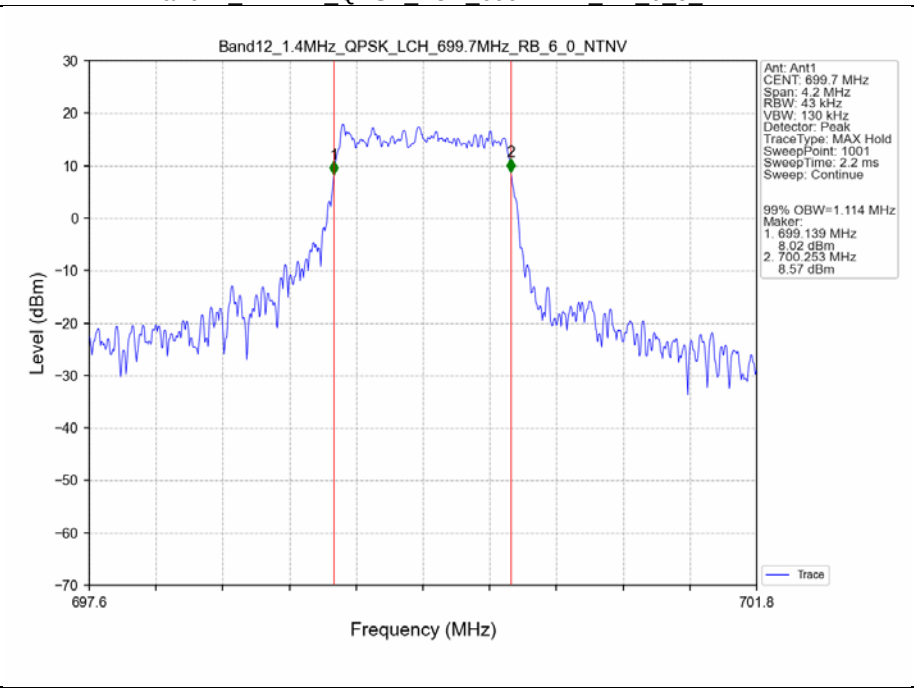
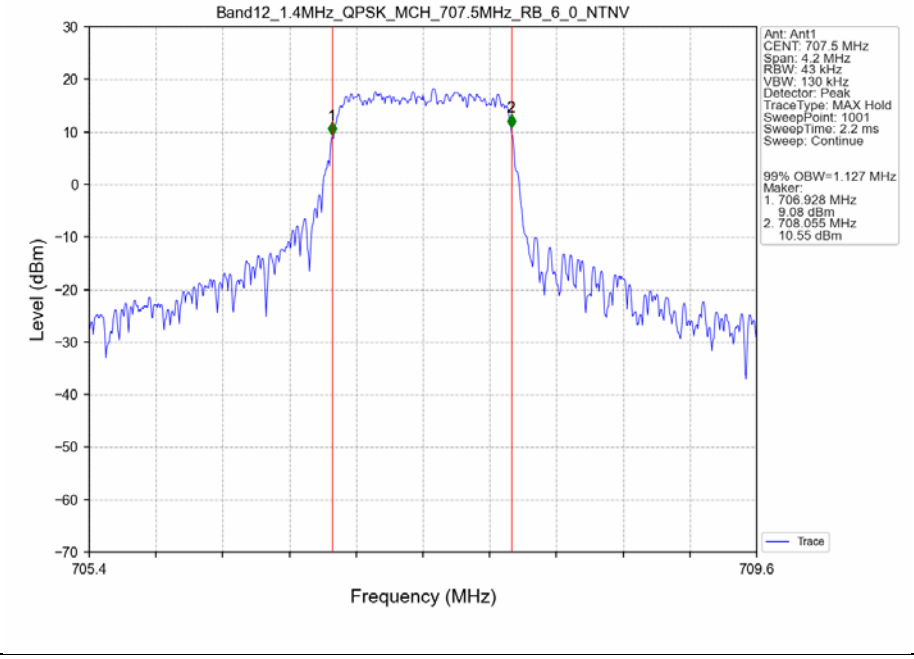
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.114	/	Pass
		707.5	6	0	1.127	/	Pass
		715.3	6	0	1.123	/	Pass
	16QAM	699.7	6	0	1.126	/	Pass
		707.5	6	0	1.127	/	Pass
		715.3	6	0	1.124	/	Pass
3	QPSK	700.5	15	0	2.756	/	Pass
		707.5	15	0	2.746	/	Pass
		714.5	15	0	2.755	/	Pass
	16QAM	700.5	15	0	2.753	/	Pass
		707.5	15	0	2.747	/	Pass
		714.5	15	0	2.741	/	Pass
5	QPSK	701.5	25	0	4.577	/	Pass
		707.5	25	0	4.552	/	Pass
		713.5	25	0	4.568	/	Pass
	16QAM	701.5	25	0	4.563	/	Pass
		707.5	25	0	4.549	/	Pass
		713.5	25	0	4.562	/	Pass
10	QPSK	704	50	0	9.080	/	Pass
		707.5	50	0	9.069	/	Pass
		711	50	0	9.089	/	Pass
	16QAM	704	50	0	9.069	/	Pass
		707.5	50	0	9.037	/	Pass
		711	50	0	9.036	/	Pass

3.1.2 Band12_XDB

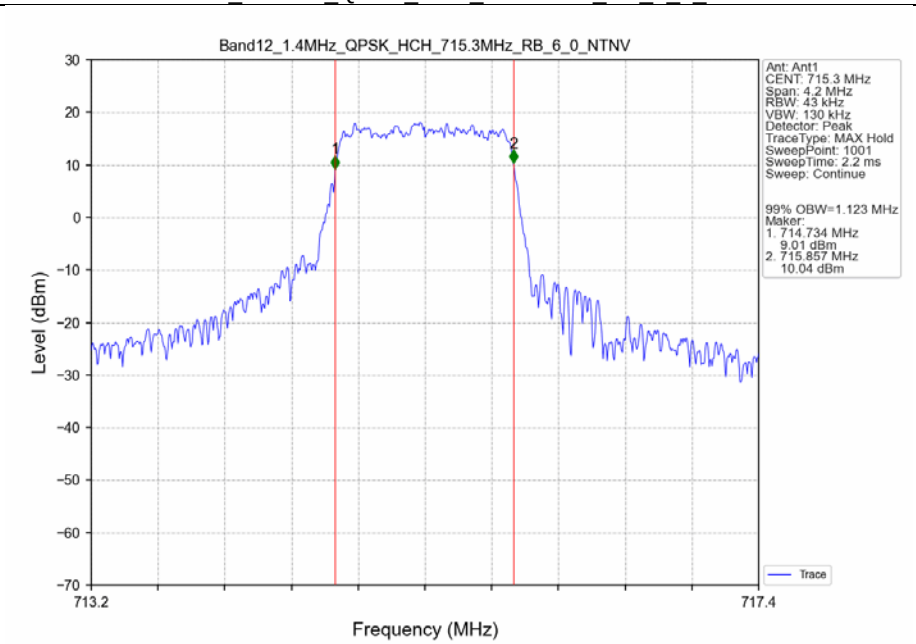
Band: 12 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	699.7	6	0	1.371	/	Pass
		707.5	6	0	1.383	/	Pass
		715.3	6	0	1.431	/	Pass
	16QAM	699.7	6	0	1.535	/	Pass
		707.5	6	0	1.433	/	Pass
		715.3	6	0	1.568	/	Pass
3	QPSK	700.5	15	0	3.501	/	Pass
		707.5	15	0	4.243	/	Pass
		714.5	15	0	3.278	/	Pass
	16QAM	700.5	15	0	3.224	/	Pass
		707.5	15	0	3.284	/	Pass
		714.5	15	0	3.348	/	Pass
5	QPSK	701.5	25	0	5.381	/	Pass
		707.5	25	0	5.289	/	Pass
		713.5	25	0	5.769	/	Pass
	16QAM	701.5	25	0	6.044	/	Pass
		707.5	25	0	5.441	/	Pass
		713.5	25	0	5.690	/	Pass
10	QPSK	704	50	0	10.592	/	Pass
		707.5	50	0	10.223	/	Pass
		711	50	0	10.311	/	Pass
	16QAM	704	50	0	10.284	/	Pass
		707.5	50	0	10.099	/	Pass
		711	50	0	10.239	/	Pass

3.2 Test Graph

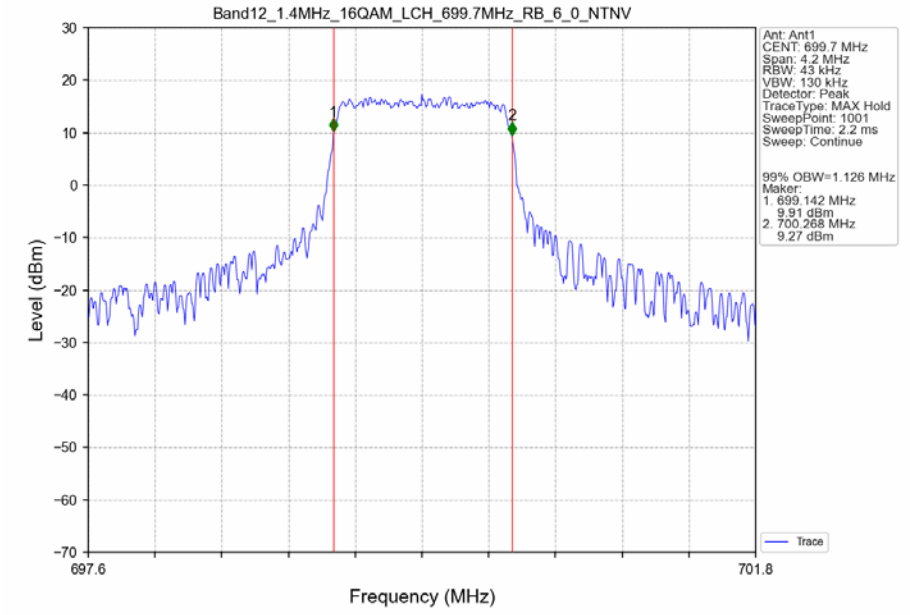
3.2.1 Band12_OBW

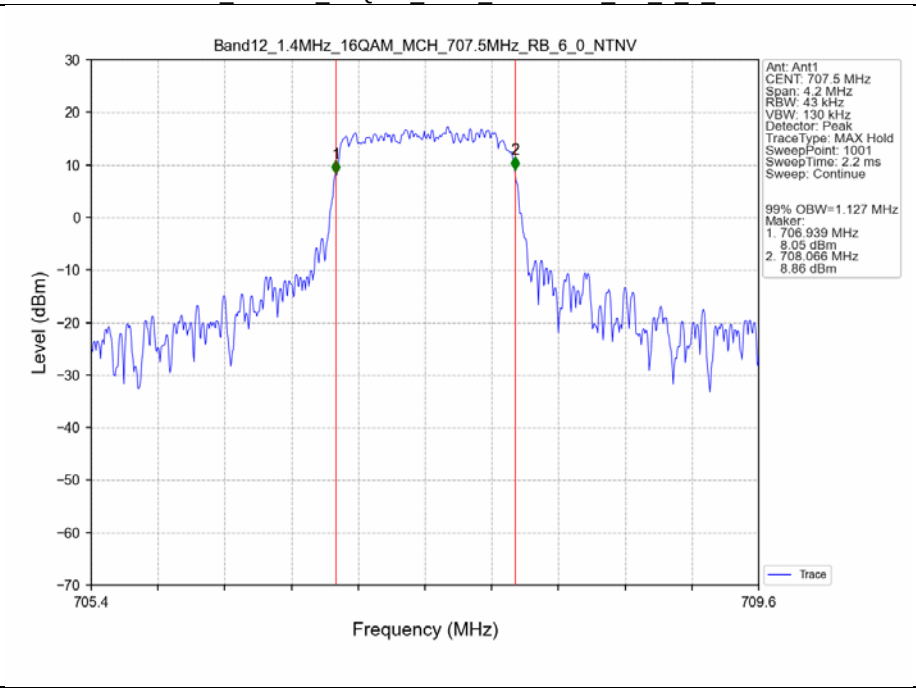
Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


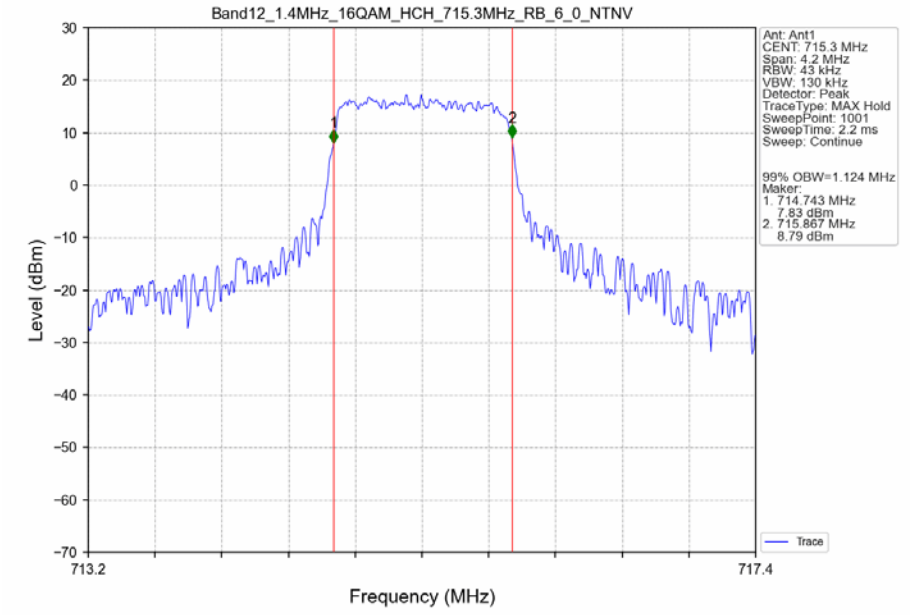
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV



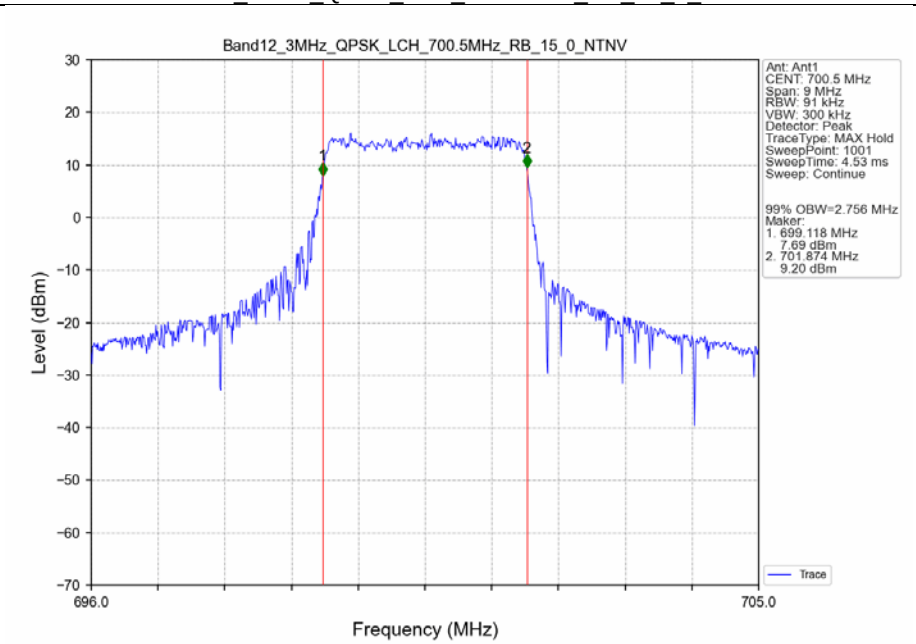
Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV



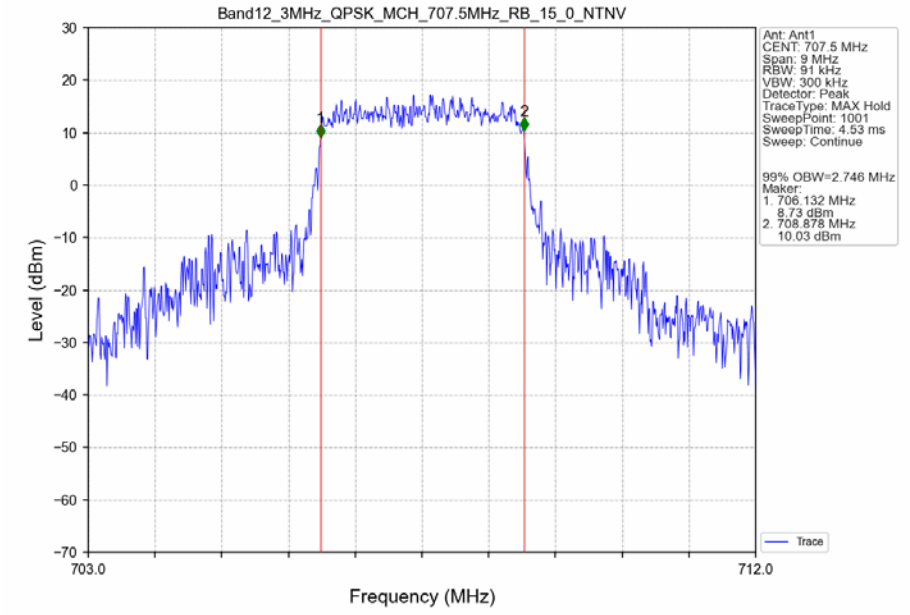
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV


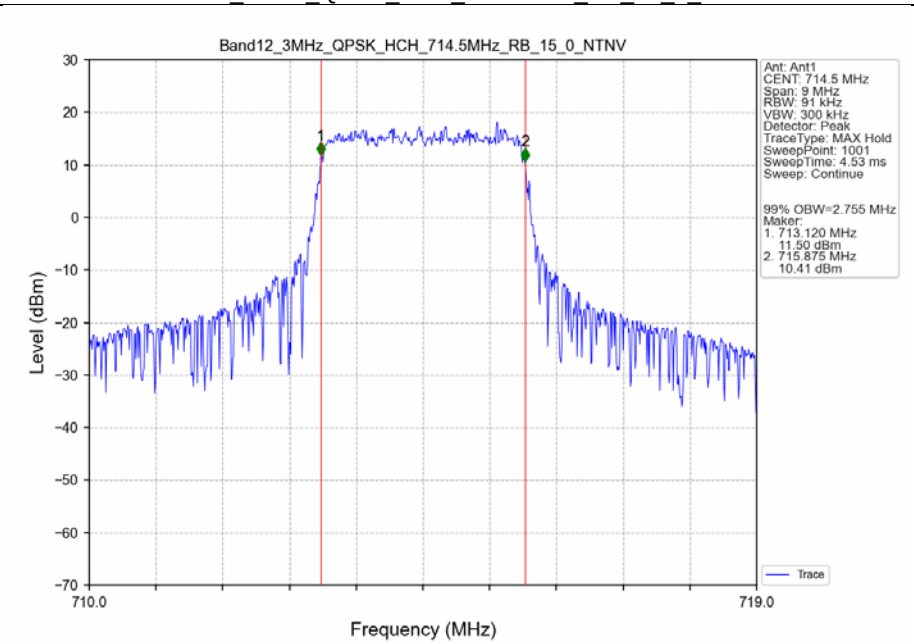
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV



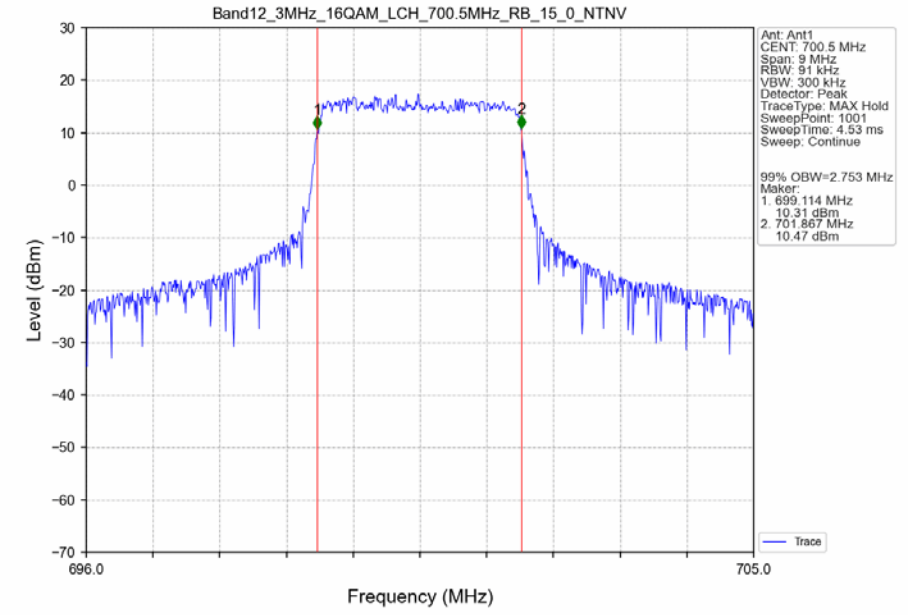
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



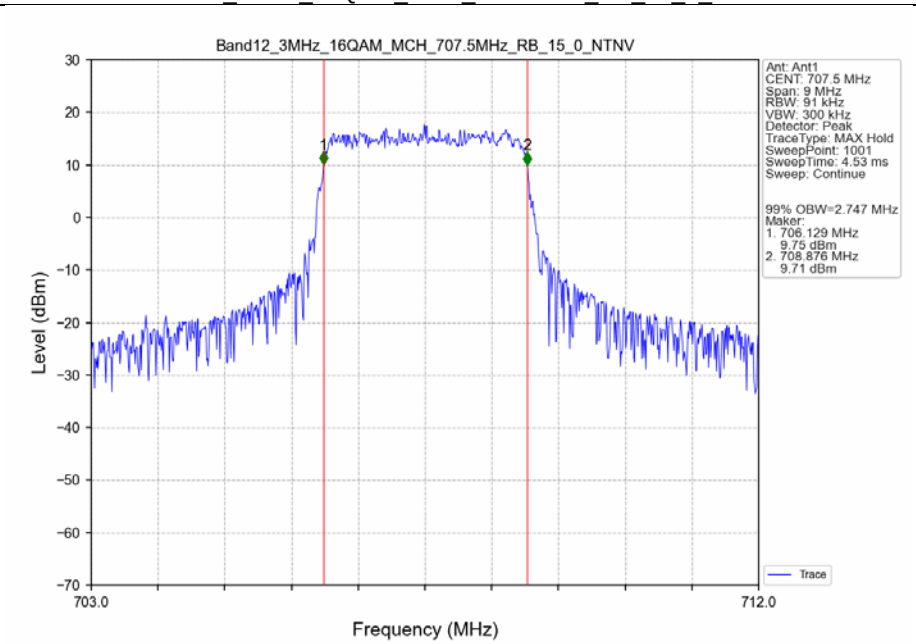
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV



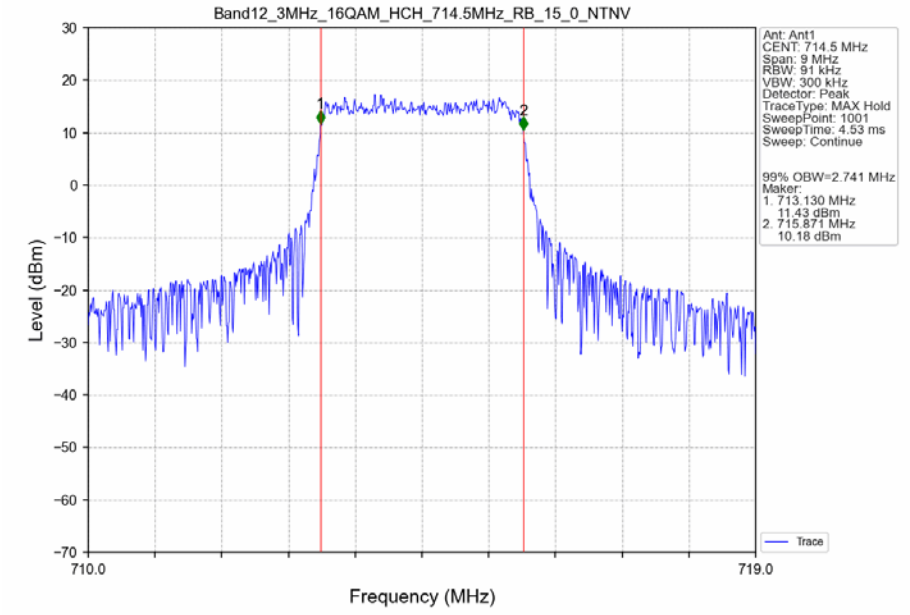
Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV

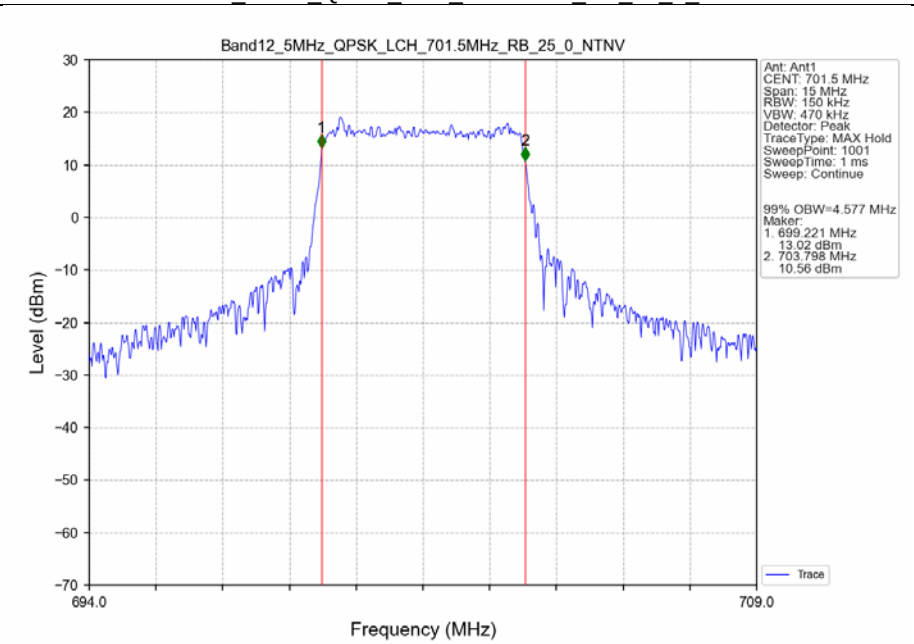


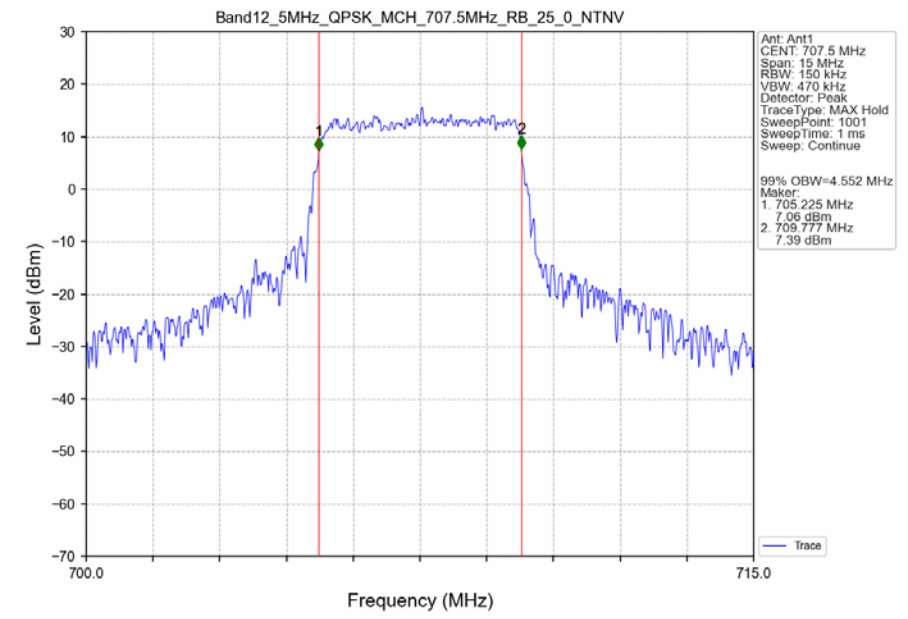
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV

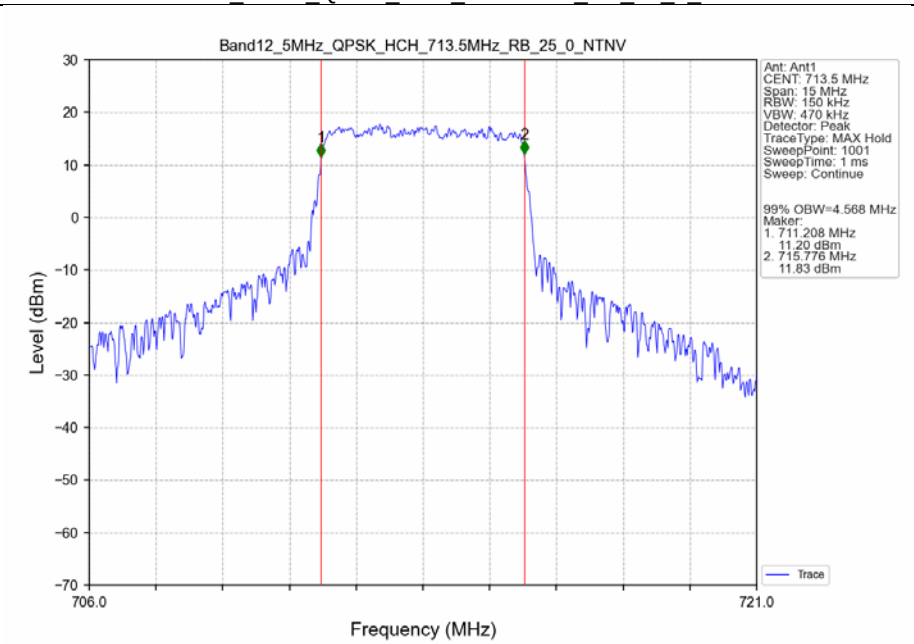


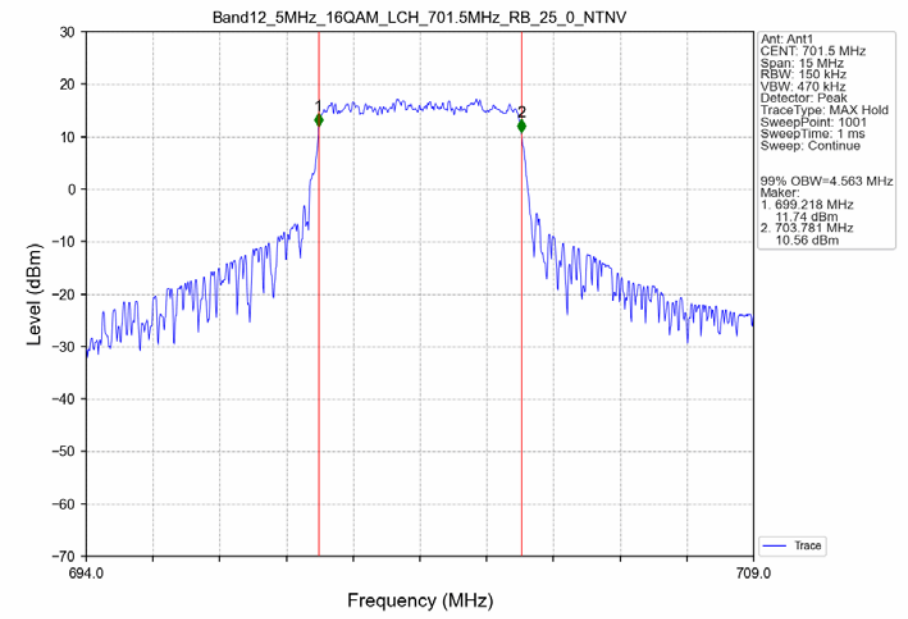
Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV

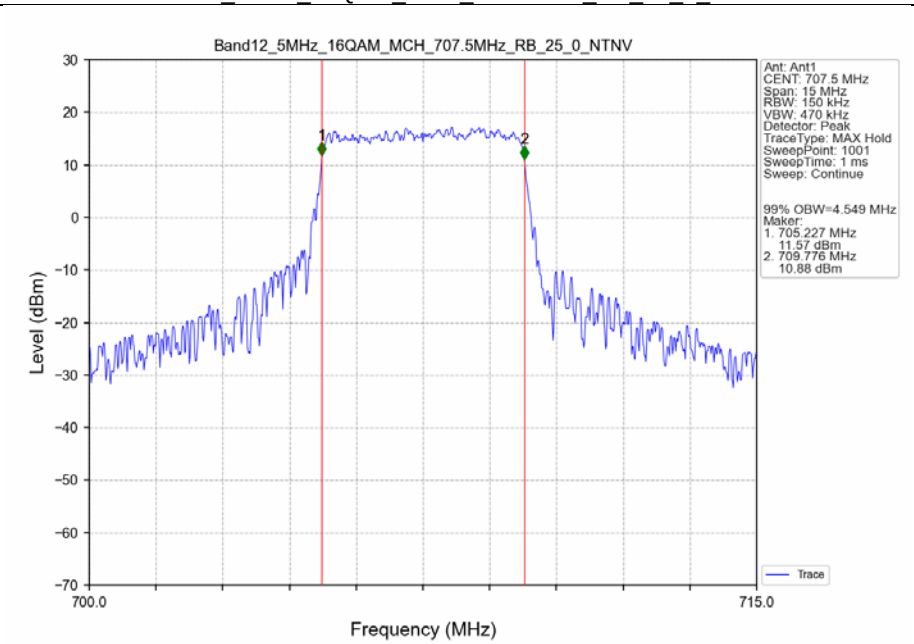


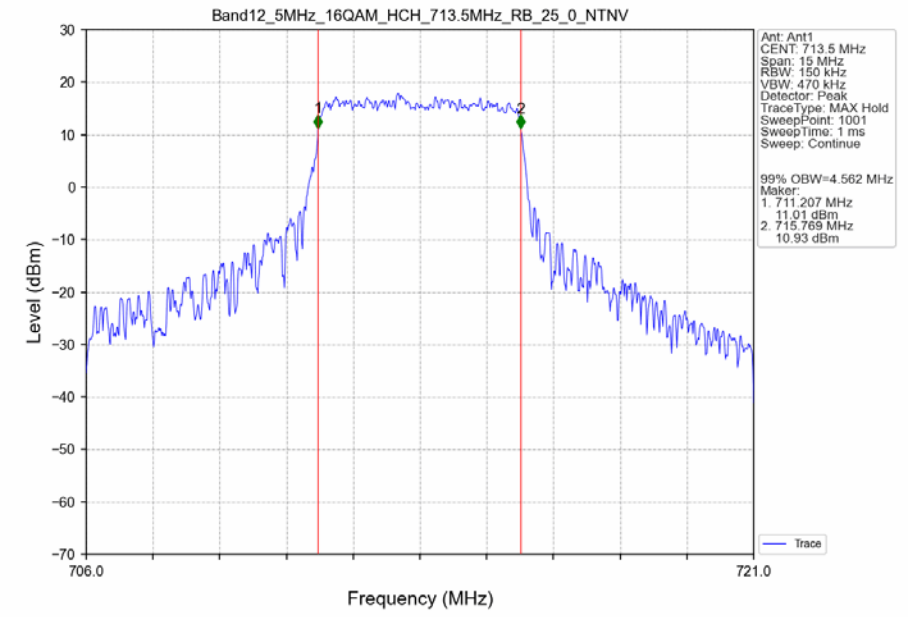
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV


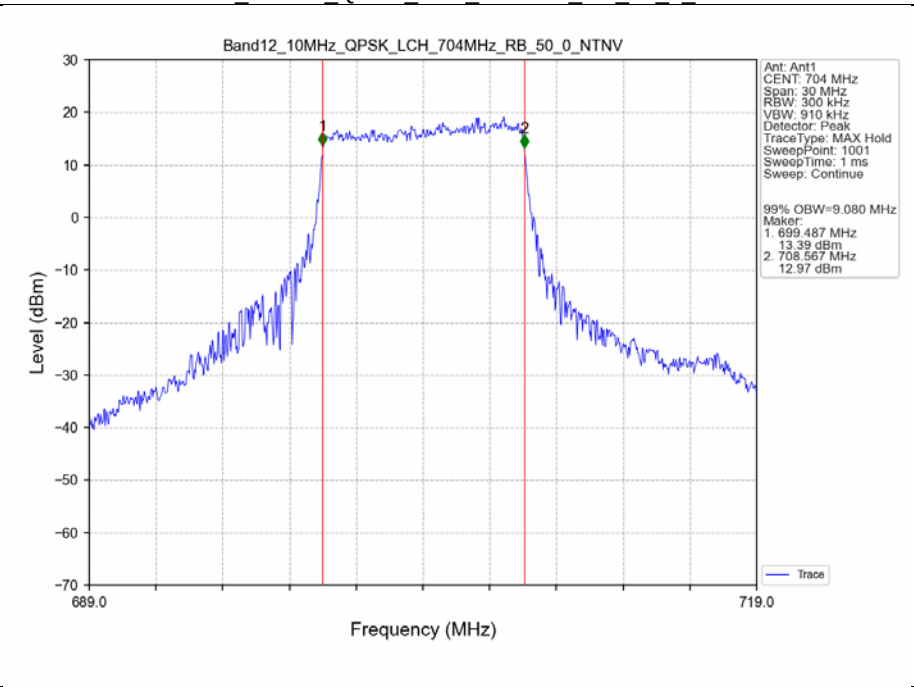
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV


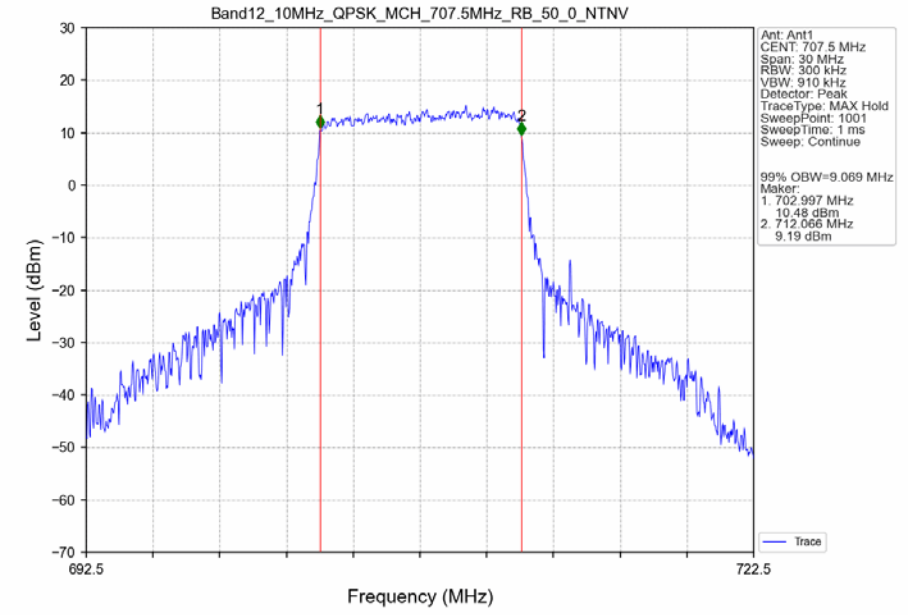
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV


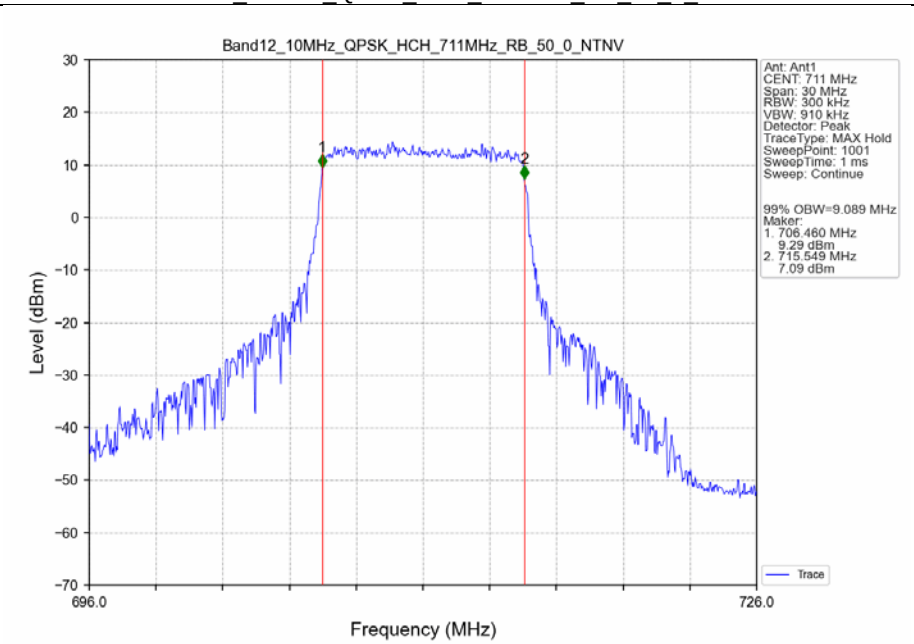
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV


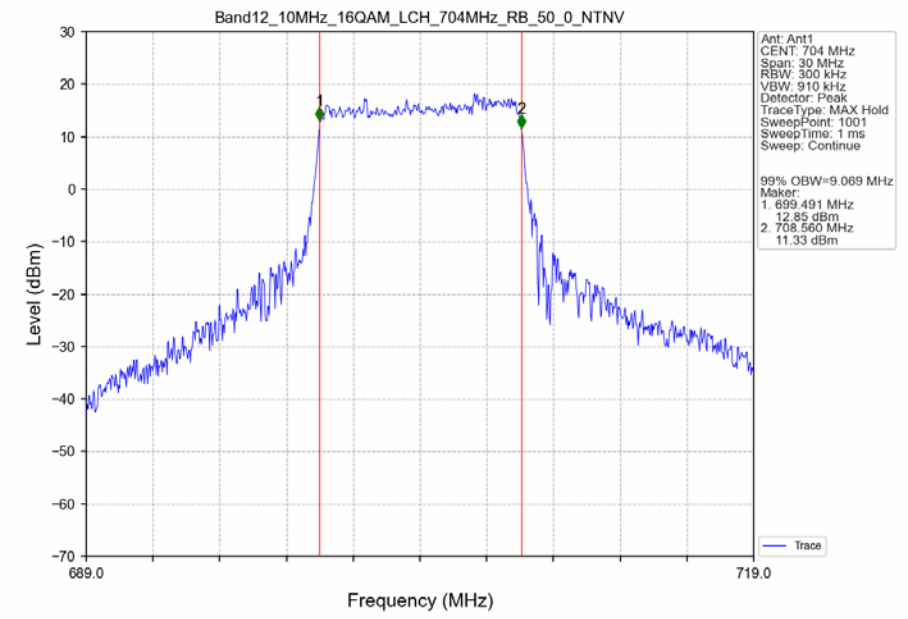
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV


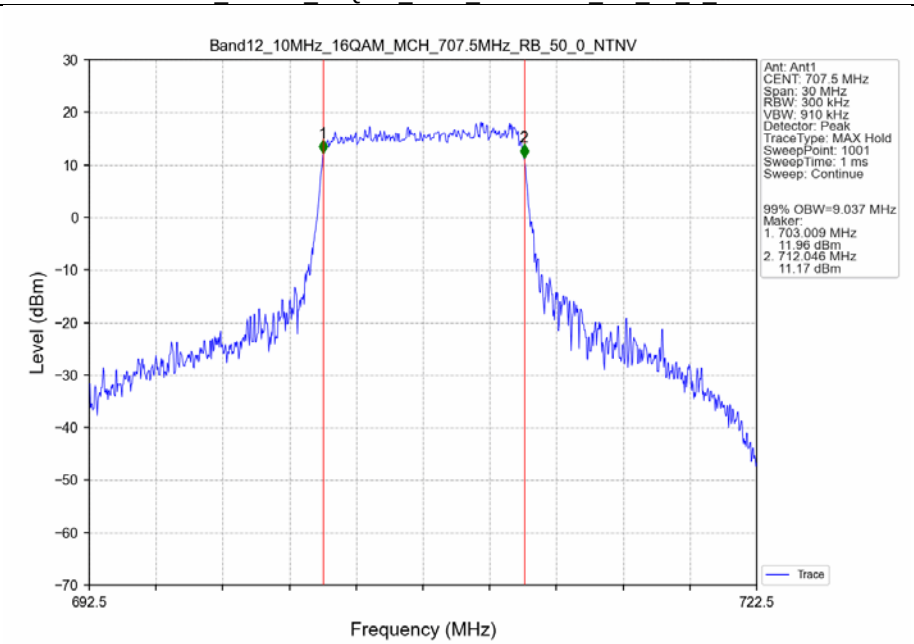
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV


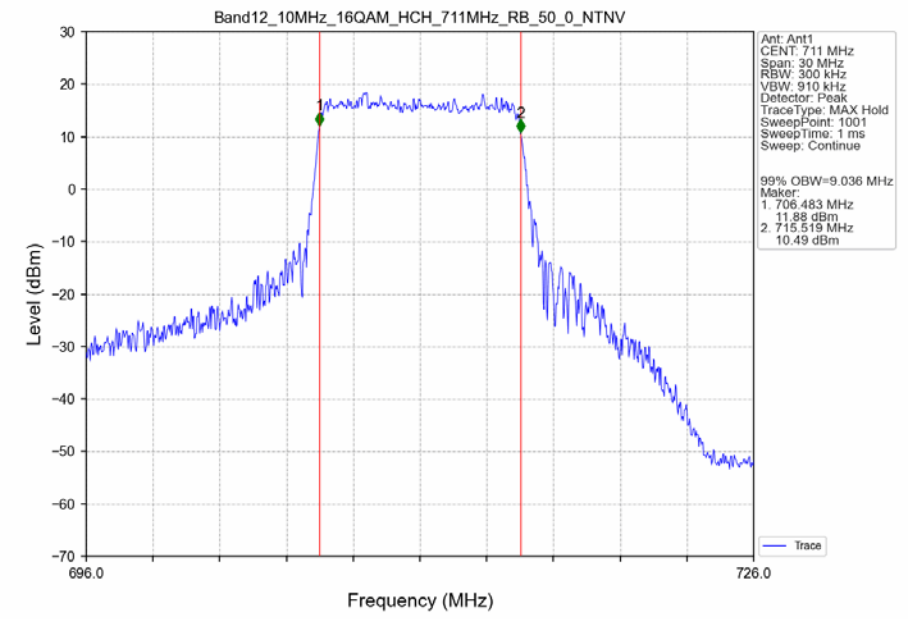
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV


Band12_10MHz_QPSK_MCH_707.5MHz_RB_50_0_NTNV


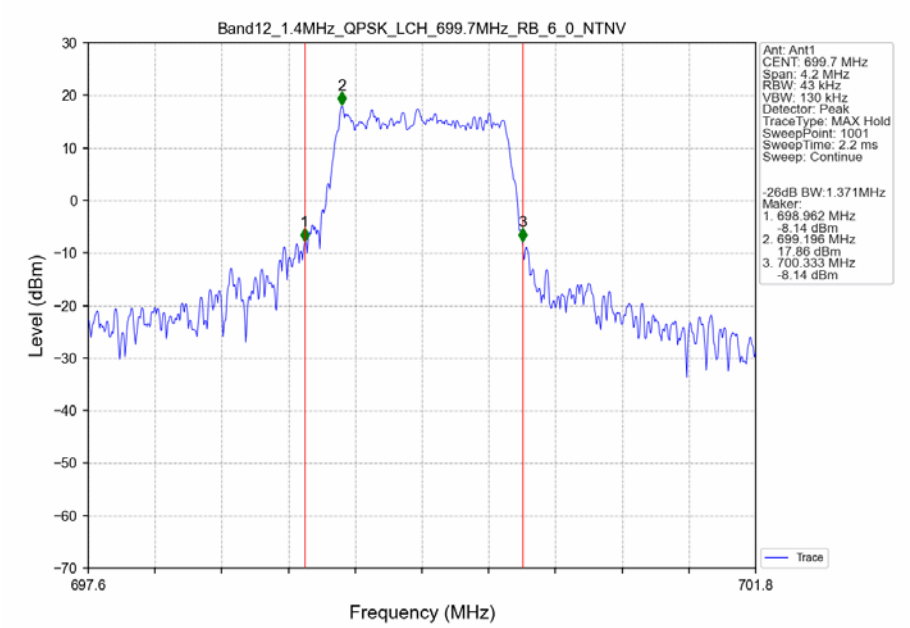
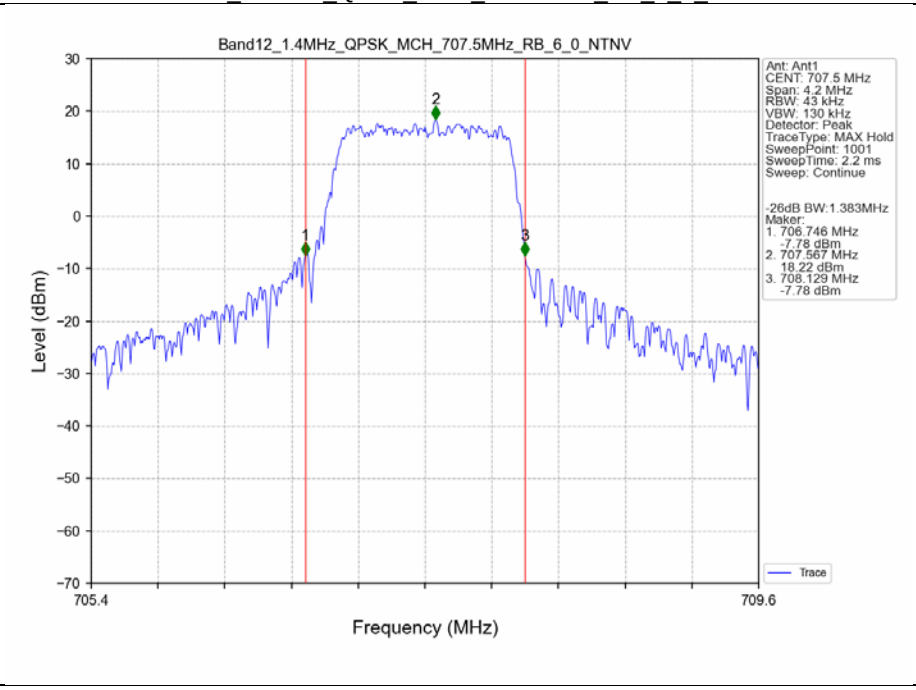
Band12_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV


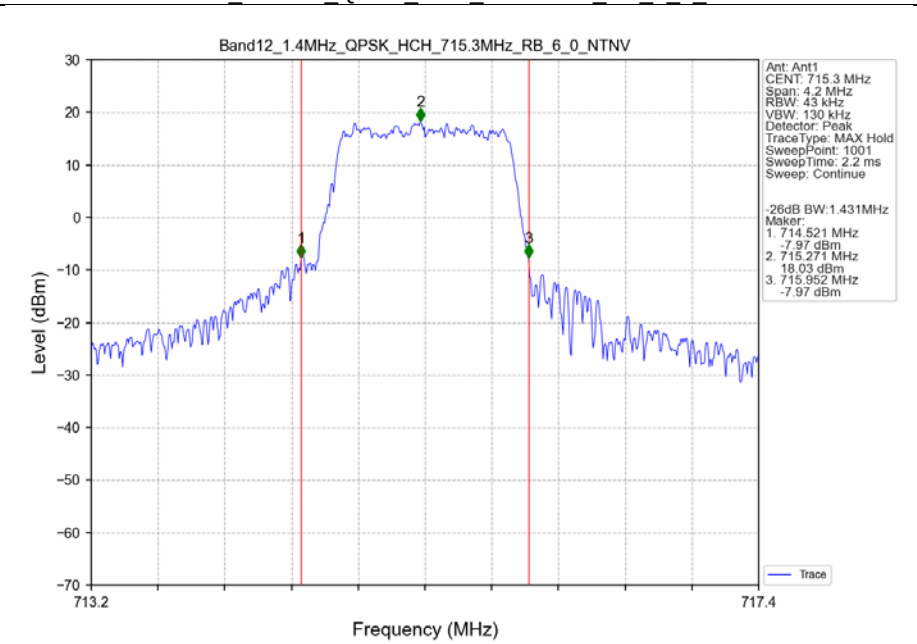
Band12_10MHz_16QAM_LCH_704MHz_RB_50_0_NTNV


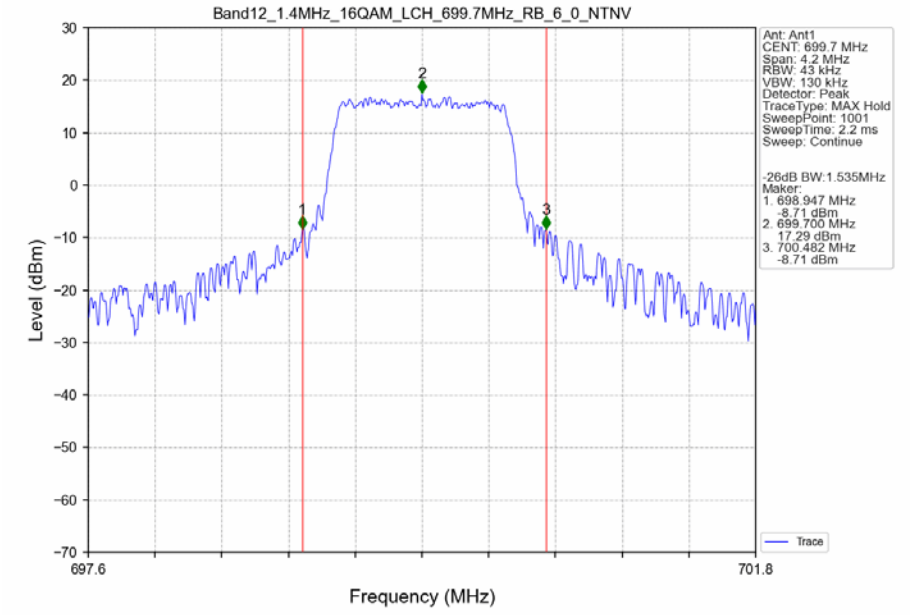
Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV


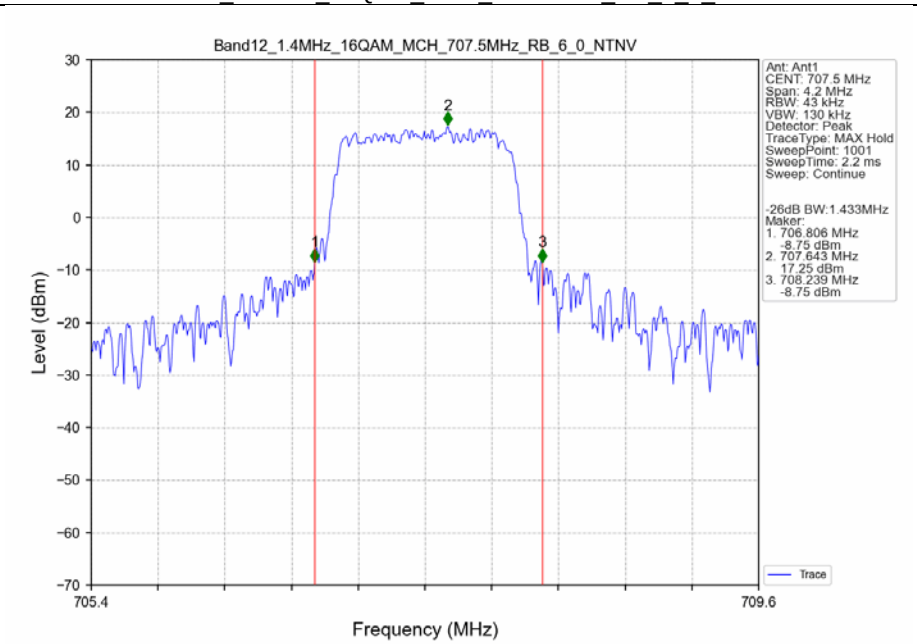
Band12_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV


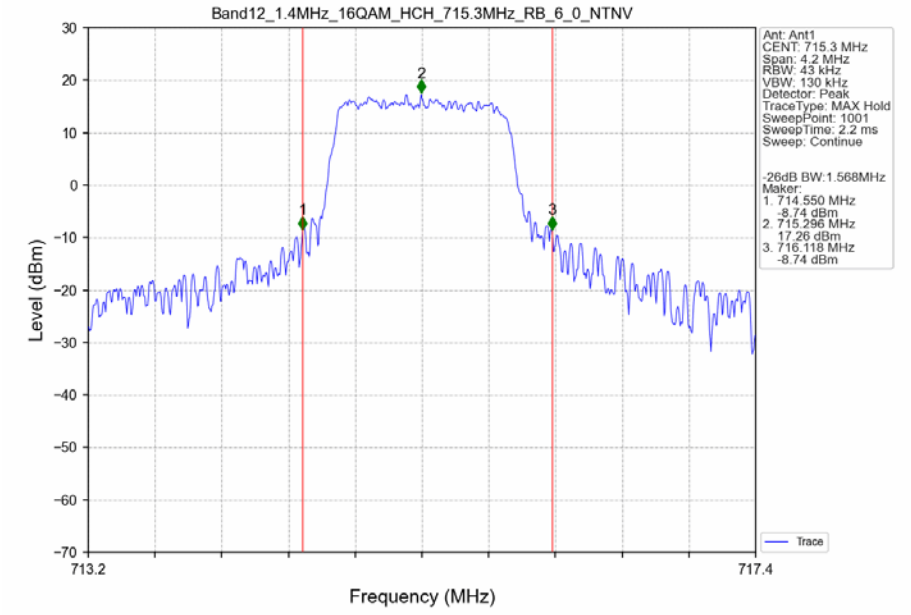
3.2.2 Band12_XDB

Band12_1.4MHz_QPSK_LCH_699.7MHz_RB_6_0_NTNV

Band12_1.4MHz_QPSK_MCH_707.5MHz_RB_6_0_NTNV


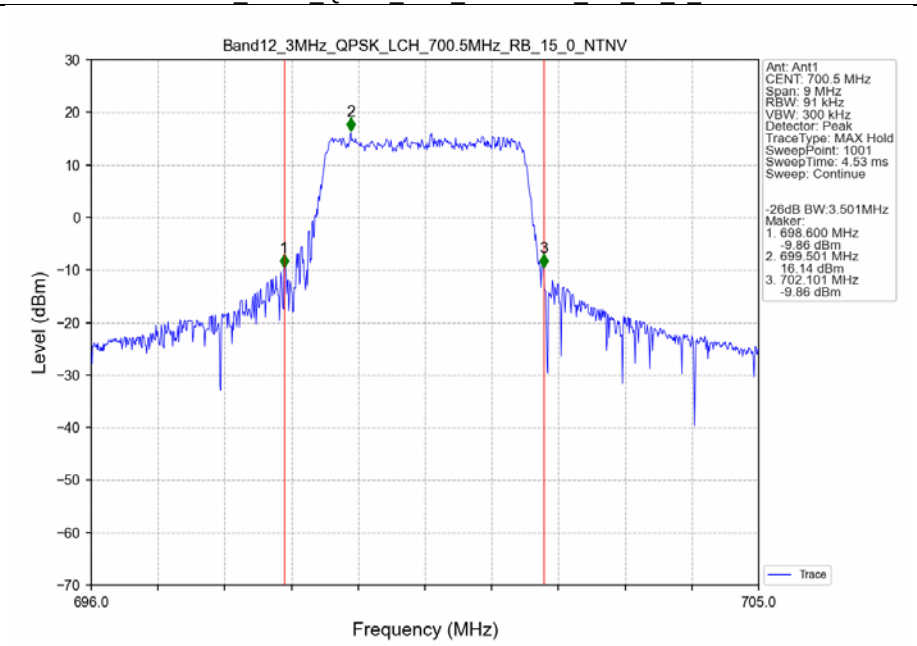
Band12_1.4MHz_QPSK_HCH_715.3MHz_RB_6_0_NTNV


Band12_1.4MHz_16QAM_LCH_699.7MHz_RB_6_0_NTNV


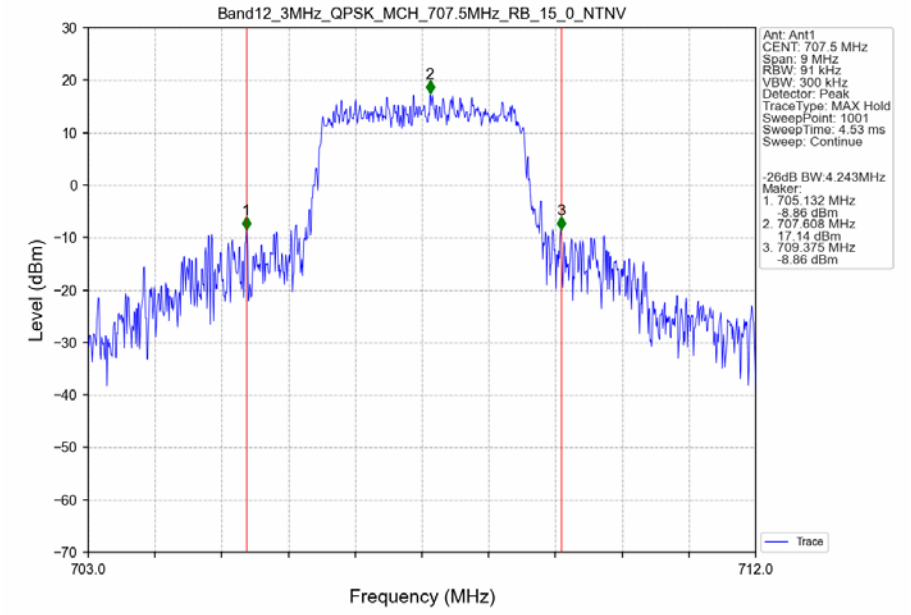
Band12_1.4MHz_16QAM_MCH_707.5MHz_RB_6_0_NTNV


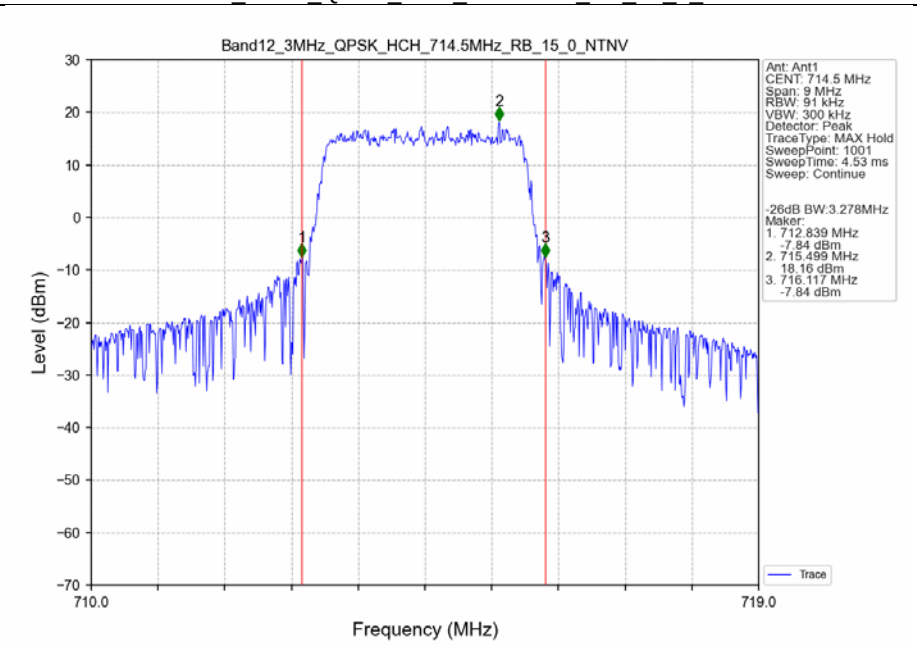
Band12_1.4MHz_16QAM_HCH_715.3MHz_RB_6_0_NTNV


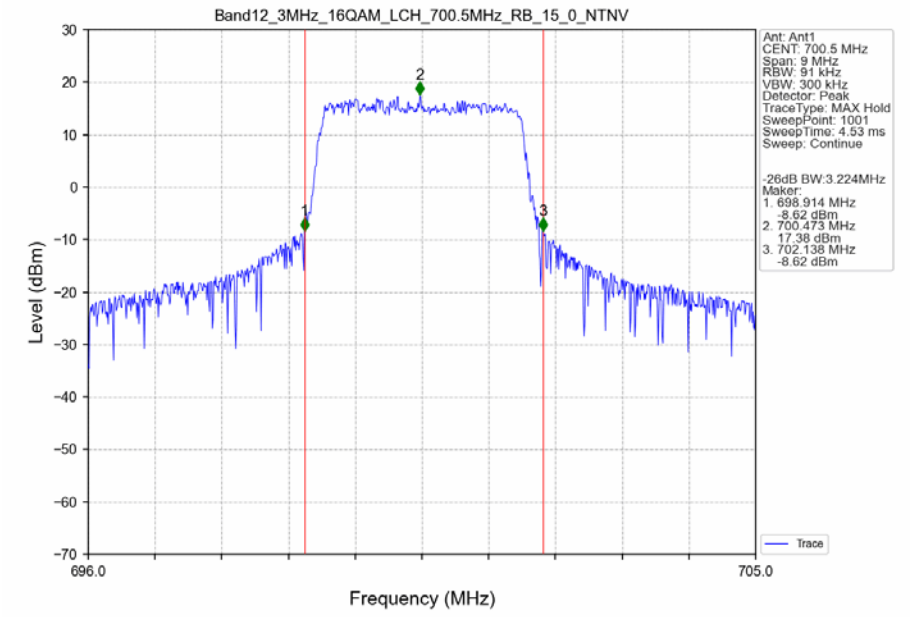
Band12_3MHz_QPSK_LCH_700.5MHz_RB_15_0_NTNV

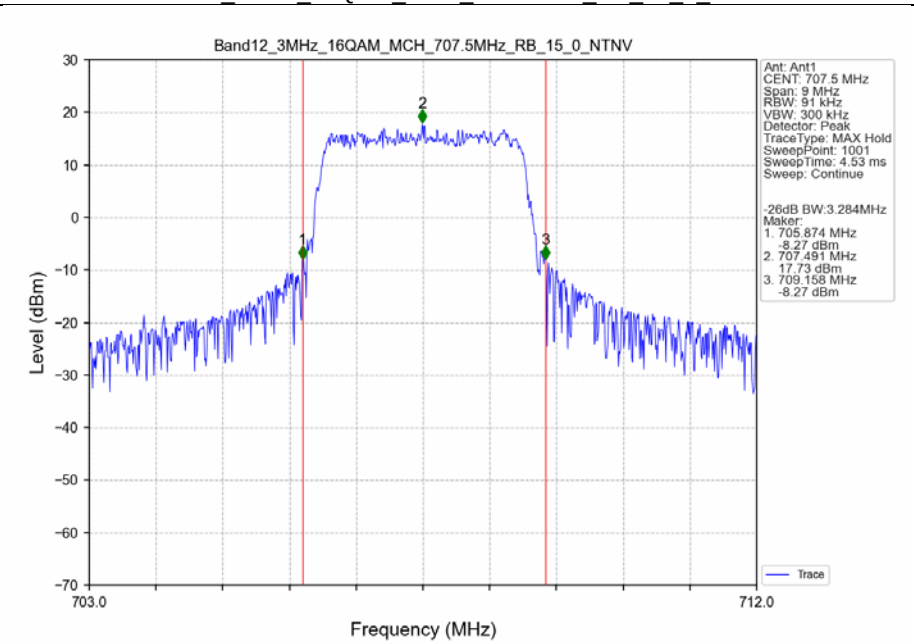


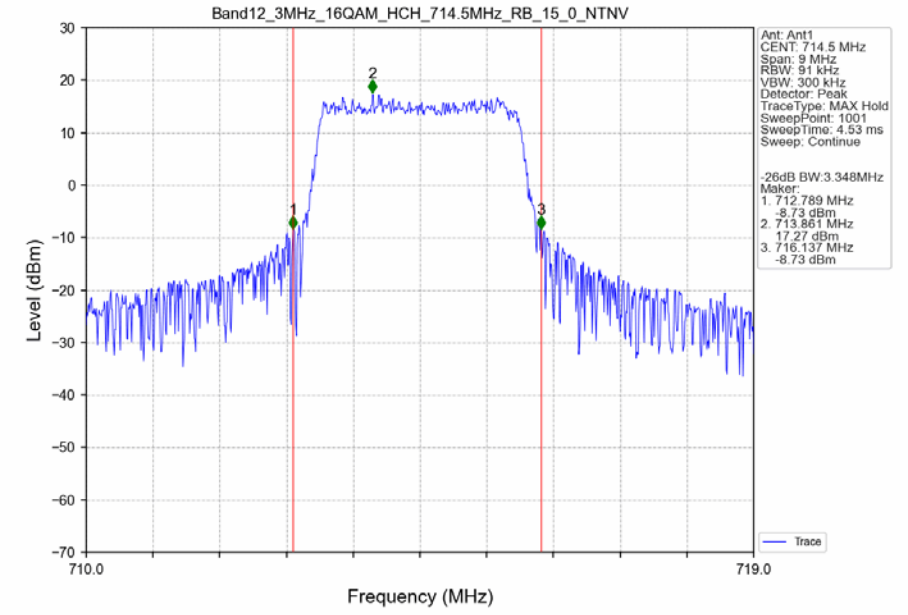
Band12_3MHz_QPSK_MCH_707.5MHz_RB_15_0_NTNV



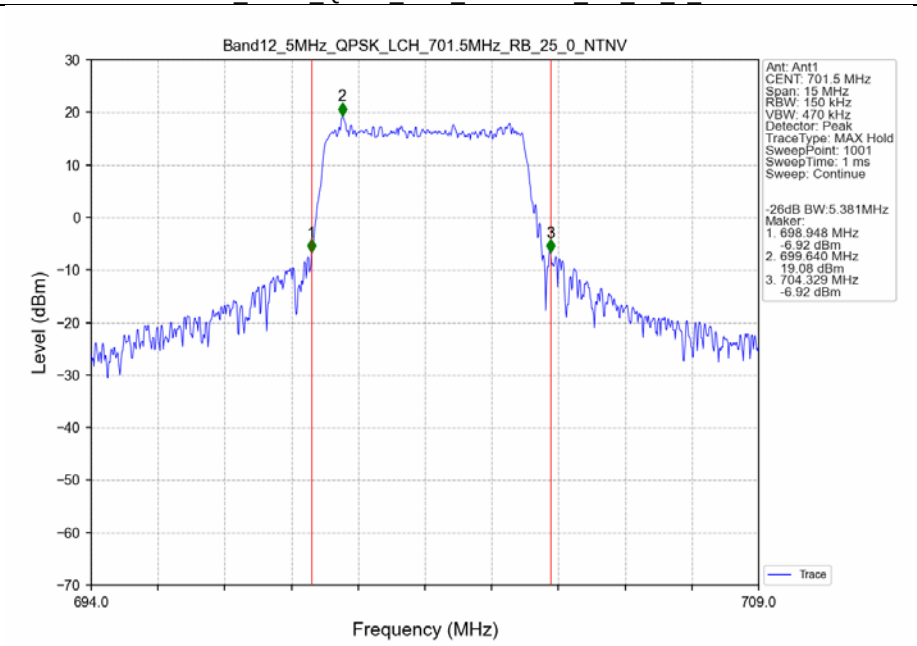
Band12_3MHz_QPSK_HCH_714.5MHz_RB_15_0_NTNV


Band12_3MHz_16QAM_LCH_700.5MHz_RB_15_0_NTNV


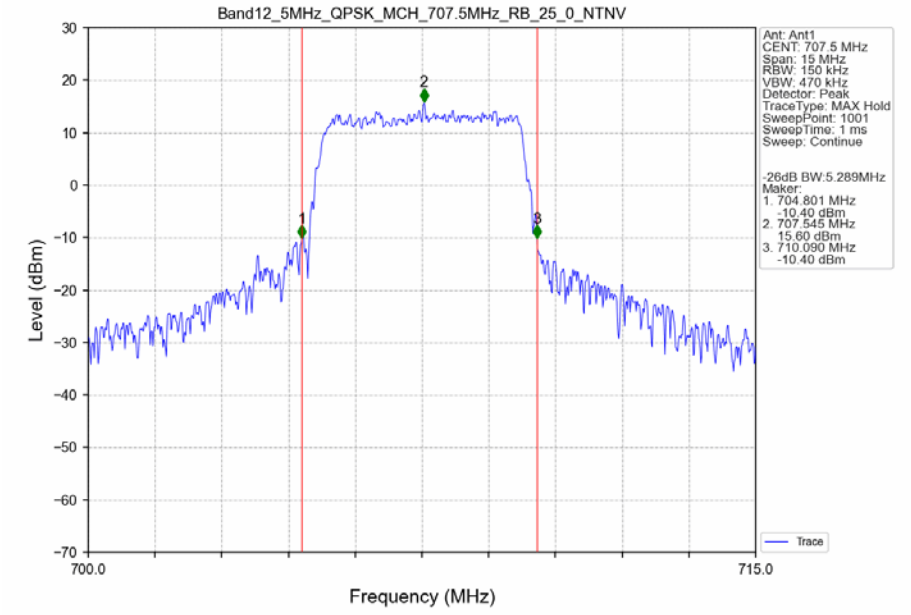
Band12_3MHz_16QAM_MCH_707.5MHz_RB_15_0_NTNV


Band12_3MHz_16QAM_HCH_714.5MHz_RB_15_0_NTNV


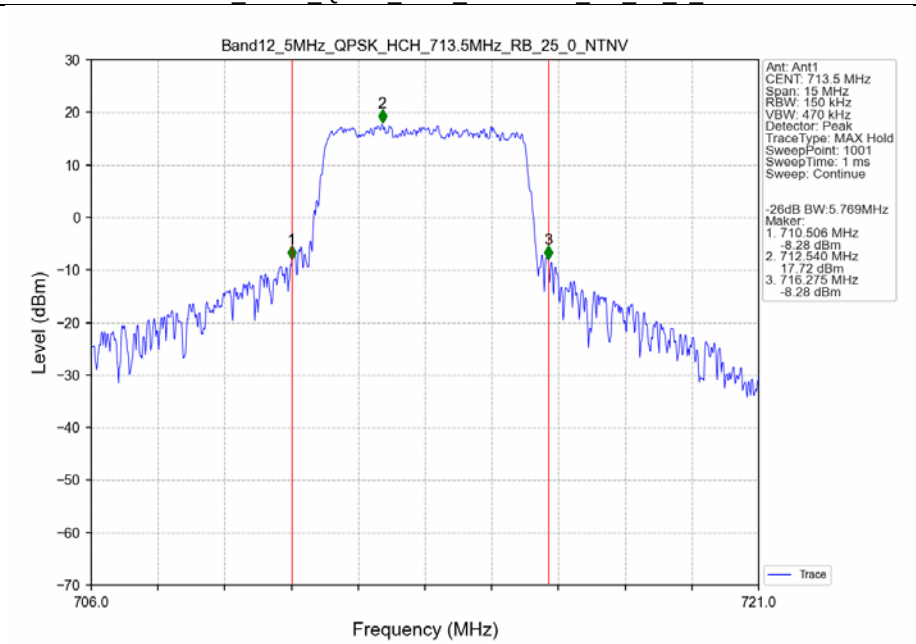
Band12_5MHz_QPSK_LCH_701.5MHz_RB_25_0_NTNV



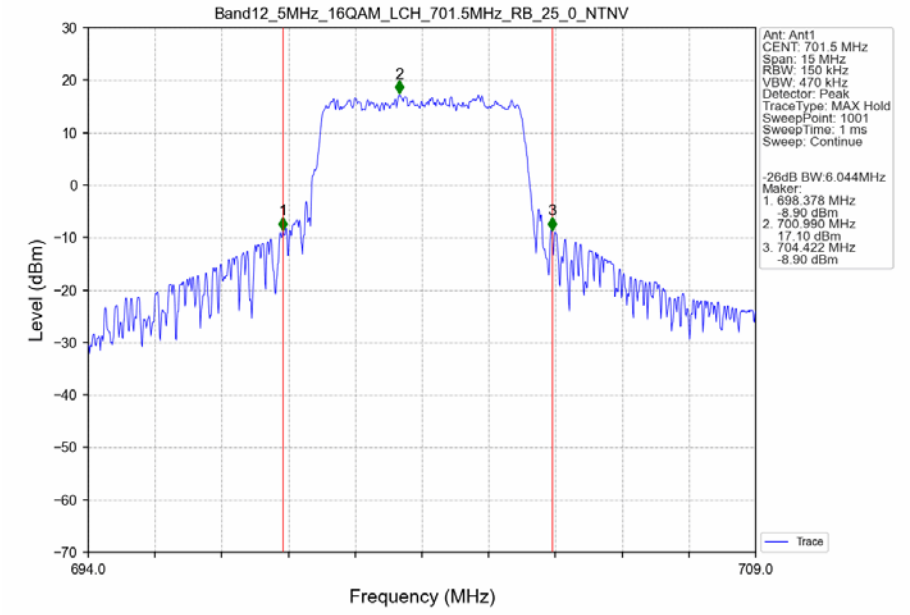
Band12_5MHz_QPSK_MCH_707.5MHz_RB_25_0_NTNV

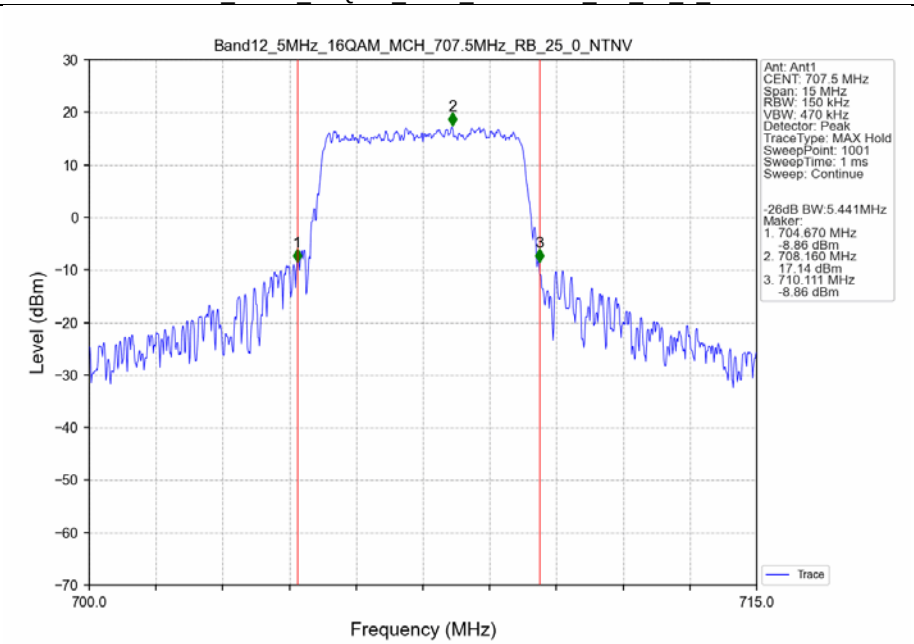


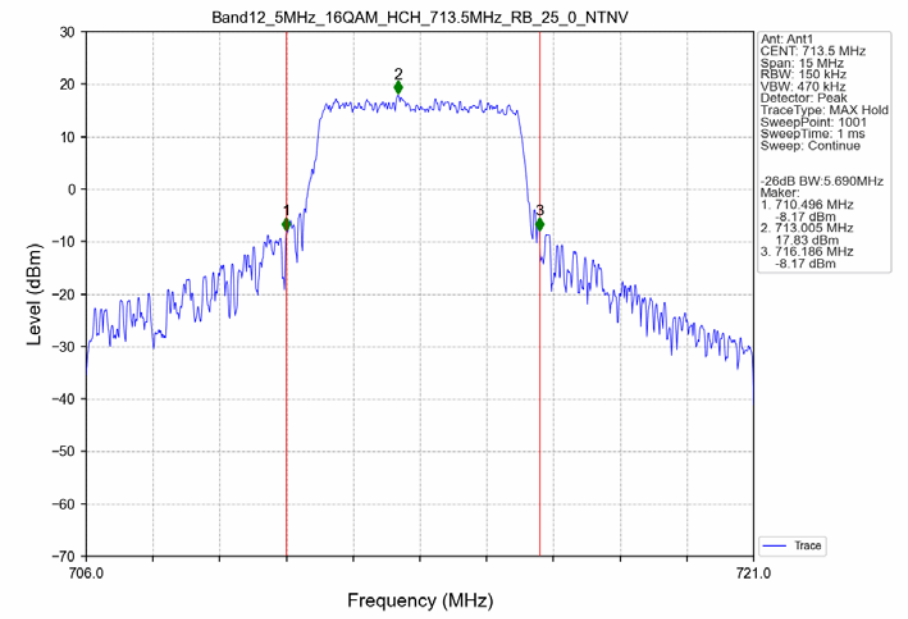
Band12_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

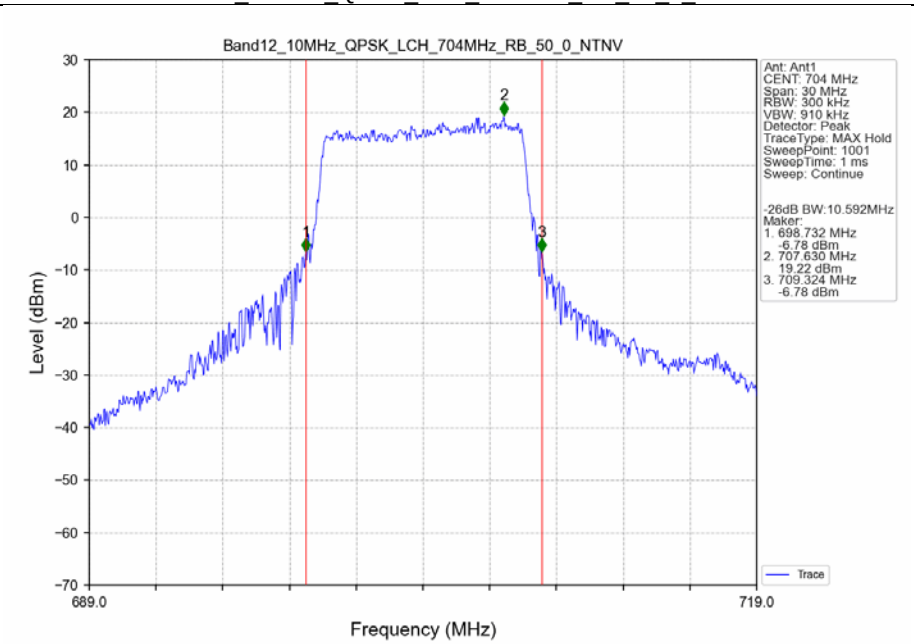


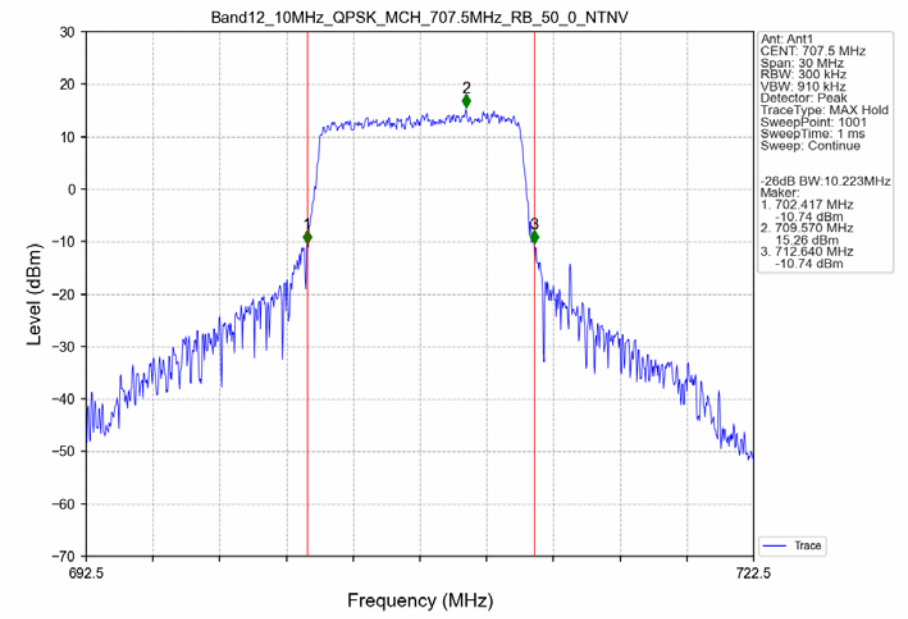
Band12_5MHz_16QAM_LCH_701.5MHz_RB_25_0_NTNV

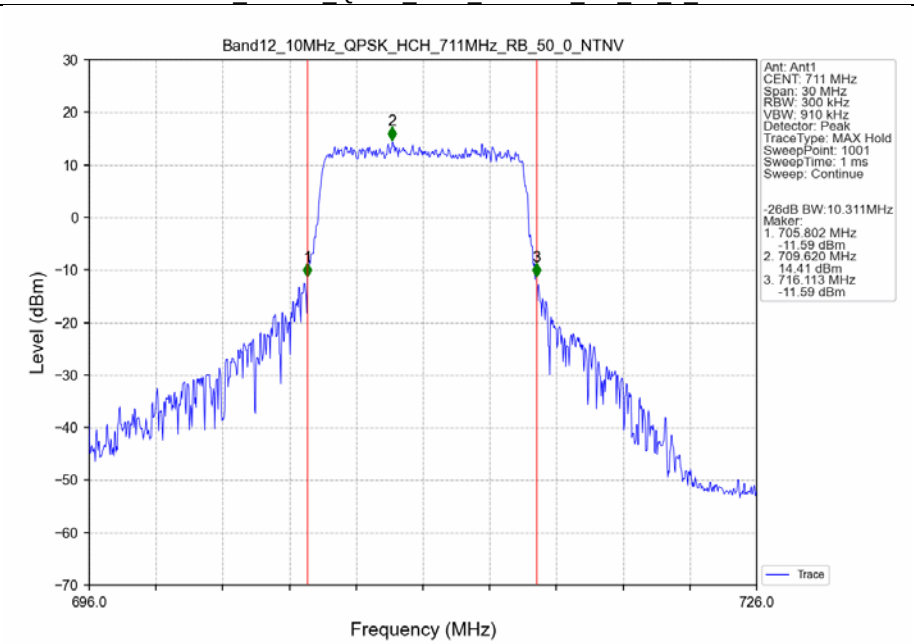


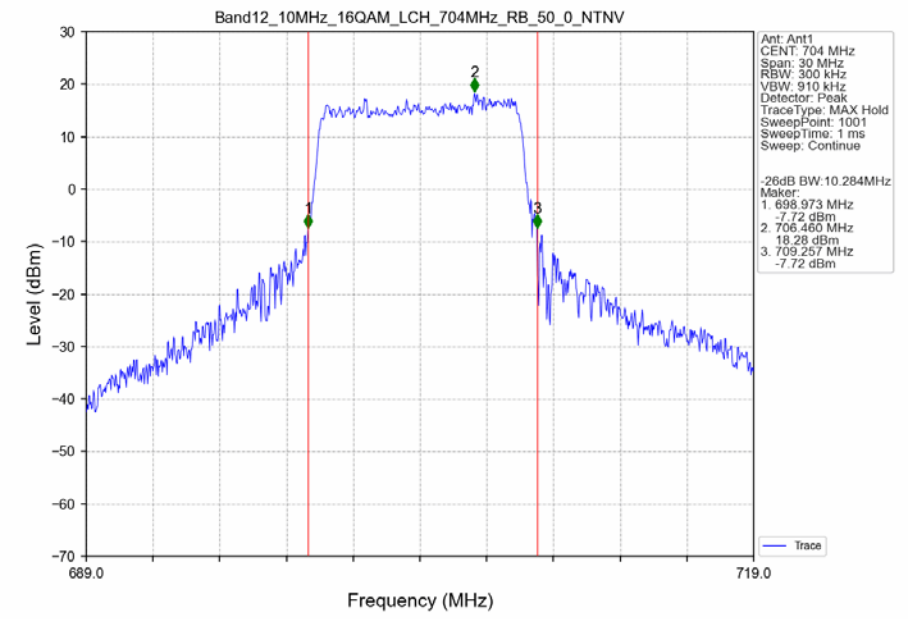
Band12_5MHz_16QAM_MCH_707.5MHz_RB_25_0_NTNV


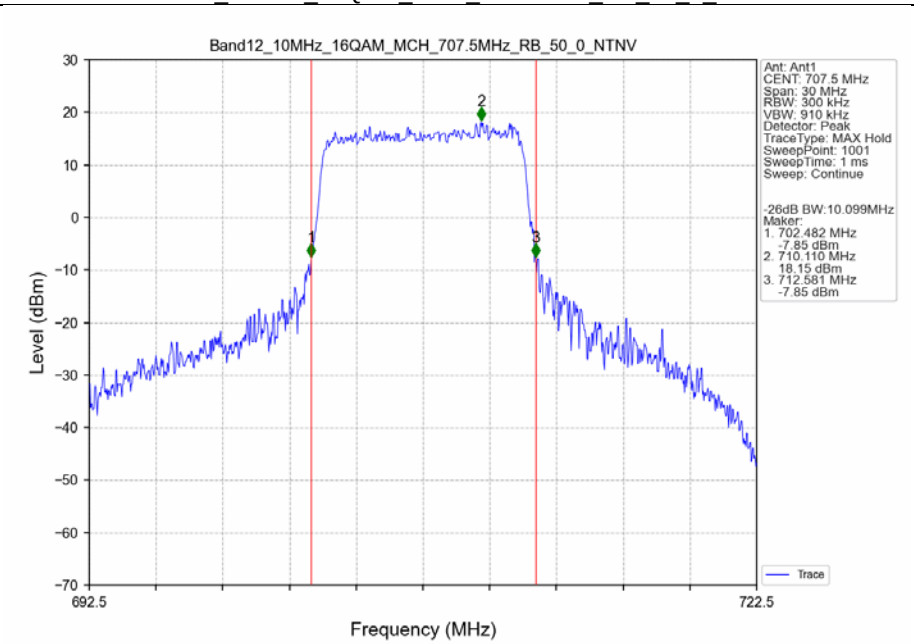
Band12_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV


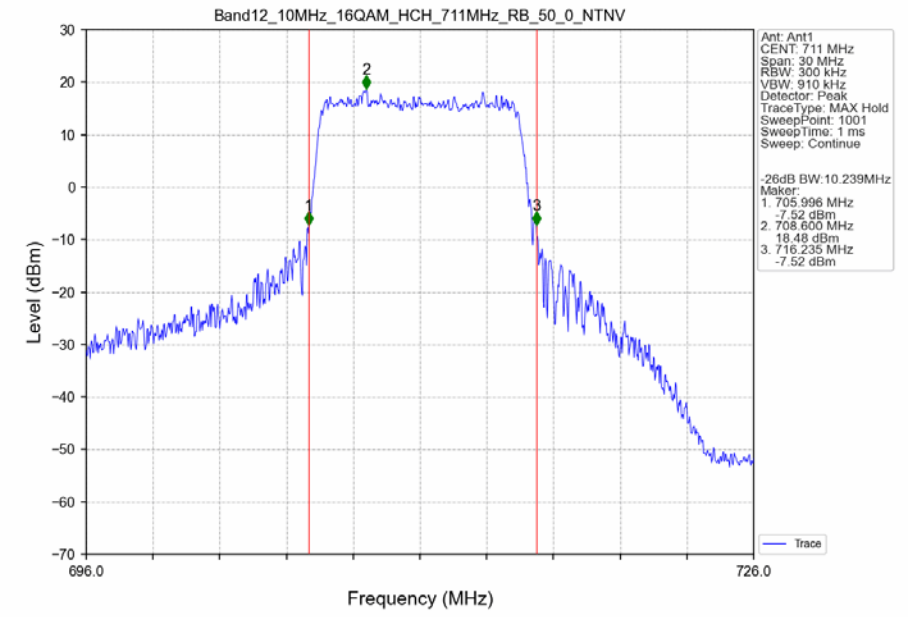
Band12_10MHz_QPSK_LCH_704MHz_RB_50_0_NTNV


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_50_0_NTNV


Band12_10MHz_16QAM_MCH_707.5MHz_RB_50_0_NTNV


Band12_10MHz_16QAM_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	7.03	<=13	Pass
	707.5	6	0	5.87	<=13	Pass
	715.3	6	0	5.77	<=13	Pass
16QAM	699.7	6	0	6.72	<=13	Pass
	707.5	6	0	6.37	<=13	Pass
	715.3	6	0	6.57	<=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	5.93	<=13	Pass
	707.5	15	0	6.40	<=13	Pass
	714.5	15	0	5.80	<=13	Pass
16QAM	700.5	15	0	6.56	<=13	Pass
	707.5	15	0	6.34	<=13	Pass
	714.5	15	0	6.49	<=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	5.61	<=13	Pass
	707.5	25	0	6.00	<=13	Pass
	713.5	25	0	5.77	<=13	Pass
16QAM	701.5	25	0	6.09	<=13	Pass
	707.5	25	0	6.28	<=13	Pass
	713.5	25	0	6.44	<=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	5.58	<=13	Pass
	707.5	50	0	6.82	<=13	Pass
	711	50	0	5.72	<=13	Pass
16QAM	704	50	0	6.28	<=13	Pass
	707.5	50	0	6.27	<=13	Pass
	711	50	0	6.42	<=13	Pass