

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B71_5MHz_ERP

Band: 71 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	665.5	1	0	24.15	1.61	23.61	<=34.77	Pass
			13	24.25	1.61	23.71	<=34.77	Pass
			24	24.19	1.61	23.65	<=34.77	Pass
		12	0	23.11	1.61	22.57	<=34.77	Pass
			6	23.20	1.61	22.66	<=34.77	Pass
			13	23.14	1.61	22.60	<=34.77	Pass
		25	0	23.15	1.61	22.61	<=34.77	Pass
	680.5	1	0	24.10	1.61	23.56	<=34.77	Pass
			13	24.20	1.61	23.66	<=34.77	Pass
			24	24.07	1.61	23.53	<=34.77	Pass
		12	0	23.02	1.61	22.48	<=34.77	Pass
			6	23.06	1.61	22.52	<=34.77	Pass
			13	23.06	1.61	22.52	<=34.77	Pass
		25	0	23.10	1.61	22.56	<=34.77	Pass
	695.5	1	0	24.08	1.61	23.54	<=34.77	Pass
			13	24.14	1.61	23.60	<=34.77	Pass
			24	24.08	1.61	23.54	<=34.77	Pass
		12	0	23.00	1.61	22.46	<=34.77	Pass
			6	23.07	1.61	22.53	<=34.77	Pass
			13	23.07	1.61	22.53	<=34.77	Pass
		25	0	23.00	1.61	22.46	<=34.77	Pass
16QAM	665.5	1	0	23.24	1.61	22.70	<=34.77	Pass
			13	23.39	1.61	22.85	<=34.77	Pass
			24	23.19	1.61	22.65	<=34.77	Pass
		12	0	22.10	1.61	21.56	<=34.77	Pass
			6	22.20	1.61	21.66	<=34.77	Pass
			13	22.08	1.61	21.54	<=34.77	Pass
		25	0	22.18	1.61	21.64	<=34.77	Pass
	680.5	1	0	23.17	1.61	22.63	<=34.77	Pass
			13	23.25	1.61	22.71	<=34.77	Pass
			24	23.22	1.61	22.68	<=34.77	Pass
		12	0	22.00	1.61	21.46	<=34.77	Pass
			6	22.08	1.61	21.54	<=34.77	Pass
			13	22.09	1.61	21.55	<=34.77	Pass
		25	0	22.09	1.61	21.55	<=34.77	Pass
	695.5	1	0	23.27	1.61	22.73	<=34.77	Pass
			13	23.37	1.61	22.83	<=34.77	Pass
			24	23.29	1.61	22.75	<=34.77	Pass
		12	0	22.05	1.61	21.51	<=34.77	Pass
			6	22.13	1.61	21.59	<=34.77	Pass
			13	22.12	1.61	21.58	<=34.77	Pass
		25	0	22.02	1.61	21.48	<=34.77	Pass
64QAM	665.5	1	0	22.37	1.61	21.83	<=34.77	Pass
			13	22.45	1.61	21.91	<=34.77	Pass
			24	22.36	1.61	21.82	<=34.77	Pass
		12	0	21.14	1.61	20.60	<=34.77	Pass
			6	21.25	1.61	20.71	<=34.77	Pass
			13	21.16	1.61	20.62	<=34.77	Pass
		25	0	21.10	1.61	20.56	<=34.77	Pass
	680.5	1	0	22.27	1.61	21.73	<=34.77	Pass

			13	22.25	1.61	21.71	<=34.77	Pass	
			24	22.30	1.61	21.76	<=34.77	Pass	
		12	0	21.04	1.61	20.50	<=34.77	Pass	
			6	21.07	1.61	20.53	<=34.77	Pass	
			13	21.10	1.61	20.56	<=34.77	Pass	
		25	0	21.06	1.61	20.52	<=34.77	Pass	
	695.5	1	0	22.13	1.61	21.59	<=34.77	Pass	
			13	22.26	1.61	21.72	<=34.77	Pass	
			24	22.15	1.61	21.61	<=34.77	Pass	
		12	0	21.02	1.61	20.48	<=34.77	Pass	
			6	21.09	1.61	20.55	<=34.77	Pass	
			13	21.12	1.61	20.58	<=34.77	Pass	
		25	0	21.04	1.61	20.50	<=34.77	Pass	
		Note1: ERP=Conducted Power+Antenna Gain-2.15							

1.1.2 B71_10MHz_ERP

Band: 71 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	668	1	0	24.15	1.61	23.61	<=34.77	Pass
			25	24.13	1.61	23.59	<=34.77	Pass
			49	24.10	1.61	23.56	<=34.77	Pass
		25	0	23.09	1.61	22.55	<=34.77	Pass
			13	23.17	1.61	22.63	<=34.77	Pass
			25	23.13	1.61	22.59	<=34.77	Pass
		50	0	23.17	1.61	22.63	<=34.77	Pass
	680.5	1	0	24.09	1.61	23.55	<=34.77	Pass
			25	24.07	1.61	23.53	<=34.77	Pass
			49	24.05	1.61	23.51	<=34.77	Pass
		25	0	23.02	1.61	22.48	<=34.77	Pass
			13	23.08	1.61	22.54	<=34.77	Pass
			25	23.07	1.61	22.53	<=34.77	Pass
		50	0	22.99	1.61	22.45	<=34.77	Pass
	693	1	0	24.13	1.61	23.59	<=34.77	Pass
			25	24.13	1.61	23.59	<=34.77	Pass
			49	24.09	1.61	23.55	<=34.77	Pass
		25	0	23.04	1.61	22.50	<=34.77	Pass
			13	23.14	1.61	22.60	<=34.77	Pass
			25	23.10	1.61	22.56	<=34.77	Pass
		50	0	23.10	1.61	22.56	<=34.77	Pass
16QAM	668	1	0	23.33	1.61	22.79	<=34.77	Pass
			25	23.32	1.61	22.78	<=34.77	Pass
			49	23.31	1.61	22.77	<=34.77	Pass
		25	0	22.11	1.61	21.57	<=34.77	Pass
			13	22.22	1.61	21.68	<=34.77	Pass
			25	22.17	1.61	21.63	<=34.77	Pass
		50	0	22.16	1.61	21.62	<=34.77	Pass
	680.5	1	0	23.27	1.61	22.73	<=34.77	Pass
			25	23.21	1.61	22.67	<=34.77	Pass
			49	23.24	1.61	22.70	<=34.77	Pass
		25	0	22.03	1.61	21.49	<=34.77	Pass
			13	22.08	1.61	21.54	<=34.77	Pass
			25	22.08	1.61	21.54	<=34.77	Pass
		50	0	22.00	1.61	21.46	<=34.77	Pass
	693	1	0	23.20	1.61	22.66	<=34.77	Pass
			25	23.26	1.61	22.72	<=34.77	Pass
			49	23.26	1.61	22.72	<=34.77	Pass
		25	0	22.05	1.61	21.51	<=34.77	Pass

			13	22.16	1.61	21.62	<=34.77	Pass		
			25	22.11	1.61	21.57	<=34.77	Pass		
		50	0	22.11	1.61	21.57	<=34.77	Pass		
64QAM	668	1	0	22.27	1.61	21.73	<=34.77	Pass		
			25	22.30	1.61	21.76	<=34.77	Pass		
			49	22.21	1.61	21.67	<=34.77	Pass		
		25	0	21.11	1.61	20.57	<=34.77	Pass		
			13	21.19	1.61	20.65	<=34.77	Pass		
			25	21.10	1.61	20.56	<=34.77	Pass		
		50	0	21.19	1.61	20.65	<=34.77	Pass		
		680.5	1	0	22.31	1.61	21.77	<=34.77	Pass	
				25	22.28	1.61	21.74	<=34.77	Pass	
	49			22.29	1.61	21.75	<=34.77	Pass		
	25		0	20.98	1.61	20.44	<=34.77	Pass		
			13	21.05	1.61	20.51	<=34.77	Pass		
			25	21.09	1.61	20.55	<=34.77	Pass		
	50		0	20.97	1.61	20.43	<=34.77	Pass		
	693		1	0	22.30	1.61	21.76	<=34.77	Pass	
				25	22.30	1.61	21.76	<=34.77	Pass	
		49		22.25	1.61	21.71	<=34.77	Pass		
		25	0	21.06	1.61	20.52	<=34.77	Pass		
			13	21.07	1.61	20.53	<=34.77	Pass		
			25	21.14	1.61	20.60	<=34.77	Pass		
		50	0	21.11	1.61	20.57	<=34.77	Pass		
		Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B71_15MHz_ERP

Band: 71 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	670.5	1	0	24.05	1.61	23.51	<=34.77	Pass
			38	24.13	1.61	23.59	<=34.77	Pass
			74	24.02	1.61	23.48	<=34.77	Pass
		36	0	23.12	1.61	22.58	<=34.77	Pass
			18	23.21	1.61	22.67	<=34.77	Pass
			39	23.20	1.61	22.66	<=34.77	Pass
		75	0	23.18	1.61	22.64	<=34.77	Pass
	680.5	1	0	24.06	1.61	23.52	<=34.77	Pass
			38	24.08	1.61	23.54	<=34.77	Pass
			74	24.02	1.61	23.48	<=34.77	Pass
		36	0	23.05	1.61	22.51	<=34.77	Pass
			18	23.04	1.61	22.50	<=34.77	Pass
			39	23.08	1.61	22.54	<=34.77	Pass
		75	0	23.05	1.61	22.51	<=34.77	Pass
	690.5	1	0	24.02	1.61	23.48	<=34.77	Pass
			38	24.16	1.61	23.62	<=34.77	Pass
			74	24.02	1.61	23.48	<=34.77	Pass
		36	0	23.05	1.61	22.51	<=34.77	Pass
			18	23.07	1.61	22.53	<=34.77	Pass
			39	23.08	1.61	22.54	<=34.77	Pass
		75	0	23.03	1.61	22.49	<=34.77	Pass
16QAM	670.5	1	0	23.22	1.61	22.68	<=34.77	Pass
			38	23.29	1.61	22.75	<=34.77	Pass
			74	23.23	1.61	22.69	<=34.77	Pass
		36	0	22.15	1.61	21.61	<=34.77	Pass
			18	22.19	1.61	21.65	<=34.77	Pass
			39	22.16	1.61	21.62	<=34.77	Pass
		75	0	22.19	1.61	21.65	<=34.77	Pass

	680.5	1	0	23.19	1.61	22.65	<=34.77	Pass	
			38	23.29	1.61	22.75	<=34.77	Pass	
			74	23.23	1.61	22.69	<=34.77	Pass	
		36	0	22.05	1.61	21.51	<=34.77	Pass	
			18	22.08	1.61	21.54	<=34.77	Pass	
			39	22.08	1.61	21.54	<=34.77	Pass	
		75	0	22.05	1.61	21.51	<=34.77	Pass	
		690.5	1	0	23.25	1.61	22.71	<=34.77	Pass
				38	23.34	1.61	22.80	<=34.77	Pass
	74			23.13	1.61	22.59	<=34.77	Pass	
	36		0	22.07	1.61	21.53	<=34.77	Pass	
			18	22.10	1.61	21.56	<=34.77	Pass	
			39	22.09	1.61	21.55	<=34.77	Pass	
	75	0	22.05	1.61	21.51	<=34.77	Pass		
64QAM	670.5	1	0	22.21	1.61	21.67	<=34.77	Pass	
			38	22.30	1.61	21.76	<=34.77	Pass	
			74	22.29	1.61	21.75	<=34.77	Pass	
		36	0	21.10	1.61	20.56	<=34.77	Pass	
			18	21.17	1.61	20.63	<=34.77	Pass	
			39	21.13	1.61	20.59	<=34.77	Pass	
		75	0	21.22	1.61	20.68	<=34.77	Pass	
	680.5	1	0	22.29	1.61	21.75	<=34.77	Pass	
			38	22.29	1.61	21.75	<=34.77	Pass	
			74	22.31	1.61	21.77	<=34.77	Pass	
		36	0	21.08	1.61	20.54	<=34.77	Pass	
			18	21.05	1.61	20.51	<=34.77	Pass	
			39	21.10	1.61	20.56	<=34.77	Pass	
	75	0	21.04	1.61	20.50	<=34.77	Pass		
	690.5	1	0	22.22	1.61	21.68	<=34.77	Pass	
			38	22.29	1.61	21.75	<=34.77	Pass	
			74	22.24	1.61	21.70	<=34.77	Pass	
		36	0	21.09	1.61	20.55	<=34.77	Pass	
			18	21.06	1.61	20.52	<=34.77	Pass	
			39	21.07	1.61	20.53	<=34.77	Pass	
		75	0	21.05	1.61	20.51	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B71_20MHz_ERP

Band: 71 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	24.23	1.61	23.69	<=34.77	Pass
			50	24.14	1.61	23.60	<=34.77	Pass
			99	24.06	1.61	23.52	<=34.77	Pass
		50	0	23.14	1.61	22.60	<=34.77	Pass
			25	23.22	1.61	22.68	<=34.77	Pass
			50	23.10	1.61	22.56	<=34.77	Pass
		100	0	23.21	1.61	22.67	<=34.77	Pass
	683	1	0	24.06	1.61	23.52	<=34.77	Pass
			50	24.12	1.61	23.58	<=34.77	Pass
			99	24.04	1.61	23.50	<=34.77	Pass
		50	0	23.12	1.61	22.58	<=34.77	Pass
			25	23.08	1.61	22.54	<=34.77	Pass
			50	23.09	1.61	22.55	<=34.77	Pass
		100	0	23.01	1.61	22.47	<=34.77	Pass
	688	1	0	24.05	1.61	23.51	<=34.77	Pass
			50	24.06	1.61	23.52	<=34.77	Pass
			99	24.13	1.61	23.59	<=34.77	Pass

		50	0	23.09	1.61	22.55	<=34.77	Pass		
			25	23.09	1.61	22.55	<=34.77	Pass		
			50	23.09	1.61	22.55	<=34.77	Pass		
		100	0	23.04	1.61	22.50	<=34.77	Pass		
16QAM	673	1	0	23.27	1.61	22.73	<=34.77	Pass		
			50	23.27	1.61	22.73	<=34.77	Pass		
			99	23.21	1.61	22.67	<=34.77	Pass		
		50	0	22.16	1.61	21.62	<=34.77	Pass		
			25	22.21	1.61	21.67	<=34.77	Pass		
			50	22.14	1.61	21.60	<=34.77	Pass		
		100	0	22.19	1.61	21.65	<=34.77	Pass		
		683	1	0	23.13	1.61	22.59	<=34.77	Pass	
				50	23.23	1.61	22.69	<=34.77	Pass	
	99			23.06	1.61	22.52	<=34.77	Pass		
	50		0	22.10	1.61	21.56	<=34.77	Pass		
			25	22.08	1.61	21.54	<=34.77	Pass		
			50	22.08	1.61	21.54	<=34.77	Pass		
	100		0	22.07	1.61	21.53	<=34.77	Pass		
	688		1	0	23.32	1.61	22.78	<=34.77	Pass	
				50	23.29	1.61	22.75	<=34.77	Pass	
		99		23.30	1.61	22.76	<=34.77	Pass		
		50	0	22.07	1.61	21.53	<=34.77	Pass		
			25	22.09	1.61	21.55	<=34.77	Pass		
			50	22.11	1.61	21.57	<=34.77	Pass		
		100	0	22.05	1.61	21.51	<=34.77	Pass		
		64QAM	673	1	0	22.25	1.61	21.71	<=34.77	Pass
					50	22.42	1.61	21.88	<=34.77	Pass
	99				22.33	1.61	21.79	<=34.77	Pass	
	50			0	21.10	1.61	20.56	<=34.77	Pass	
				25	21.27	1.61	20.73	<=34.77	Pass	
				50	21.21	1.61	20.67	<=34.77	Pass	
	100			0	21.16	1.61	20.62	<=34.77	Pass	
683	1			0	22.28	1.61	21.74	<=34.77	Pass	
				50	22.23	1.61	21.69	<=34.77	Pass	
			99	22.18	1.61	21.64	<=34.77	Pass		
	50		0	21.07	1.61	20.53	<=34.77	Pass		
			25	21.12	1.61	20.58	<=34.77	Pass		
			50	21.01	1.61	20.47	<=34.77	Pass		
	100		0	21.03	1.61	20.49	<=34.77	Pass		
	688		1	0	22.36	1.61	21.82	<=34.77	Pass	
				50	22.32	1.61	21.78	<=34.77	Pass	
99				22.27	1.61	21.73	<=34.77	Pass		
50			0	21.03	1.61	20.49	<=34.77	Pass		
			25	21.11	1.61	20.57	<=34.77	Pass		
			50	21.14	1.61	20.60	<=34.77	Pass		
100			0	21.01	1.61	20.47	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15										

2. Frequency Stability

2.1 Test Result

2.1.1 B71_20MHz

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	673	100	0	20	3.3	-2.900	-0.0043	-2.5 to 2.5	Pass
					3.8	-0.600	-0.0009	-2.5 to 2.5	Pass
					4.4	-0.900	-0.0013	-2.5 to 2.5	Pass
				-30	3.8	0.100	0.0001	-2.5 to 2.5	Pass
				-20	3.8	-2.100	-0.0031	-2.5 to 2.5	Pass
				-10	3.8	-3.600	-0.0053	-2.5 to 2.5	Pass
				0	3.8	-2.600	-0.0039	-2.5 to 2.5	Pass
				10	3.8	-1.800	-0.0027	-2.5 to 2.5	Pass
				30	3.8	-2.500	-0.0037	-2.5 to 2.5	Pass
				40	3.8	-1.700	-0.0025	-2.5 to 2.5	Pass
				50	3.8	-0.400	-0.0006	-2.5 to 2.5	Pass
	683	100	0	20	3.3	0.100	0.0001	-2.5 to 2.5	Pass
					3.8	-0.200	-0.0003	-2.5 to 2.5	Pass
					4.4	-1.800	-0.0026	-2.5 to 2.5	Pass
				-30	3.8	0.500	0.0007	-2.5 to 2.5	Pass
				-20	3.8	-1.800	-0.0026	-2.5 to 2.5	Pass
				-10	3.8	0.200	0.0003	-2.5 to 2.5	Pass
				0	3.8	-1.700	-0.0025	-2.5 to 2.5	Pass
				10	3.8	-1.000	-0.0015	-2.5 to 2.5	Pass
				30	3.8	-0.400	-0.0006	-2.5 to 2.5	Pass
				40	3.8	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.8	-1.100	-0.0016	-2.5 to 2.5	Pass
	688	100	0	20	3.3	-1.700	-0.0025	-2.5 to 2.5	Pass
					3.8	-2.300	-0.0033	-2.5 to 2.5	Pass
					4.4	-1.900	-0.0028	-2.5 to 2.5	Pass
				-30	3.8	-0.600	-0.0009	-2.5 to 2.5	Pass
				-20	3.8	-2.600	-0.0038	-2.5 to 2.5	Pass
				-10	3.8	0.700	0.0010	-2.5 to 2.5	Pass
				0	3.8	-1.000	-0.0015	-2.5 to 2.5	Pass
				10	3.8	-0.600	-0.0009	-2.5 to 2.5	Pass
				30	3.8	-1.400	-0.0020	-2.5 to 2.5	Pass
				40	3.8	-2.000	-0.0029	-2.5 to 2.5	Pass
				50	3.8	-2.400	-0.0035	-2.5 to 2.5	Pass
16QAM	673	100	0	20	3.3	-0.600	-0.0009	-2.5 to 2.5	Pass
					3.8	1.100	0.0016	-2.5 to 2.5	Pass
					4.4	0.200	0.0003	-2.5 to 2.5	Pass
				-30	3.8	0.200	0.0003	-2.5 to 2.5	Pass
				-20	3.8	-2.900	-0.0043	-2.5 to 2.5	Pass
				-10	3.8	-2.900	-0.0043	-2.5 to 2.5	Pass
				0	3.8	-1.700	-0.0025	-2.5 to 2.5	Pass
				10	3.8	-3.200	-0.0048	-2.5 to 2.5	Pass
				30	3.8	-0.600	-0.0009	-2.5 to 2.5	Pass
				40	3.8	-0.600	-0.0009	-2.5 to 2.5	Pass
				50	3.8	-0.300	-0.0004	-2.5 to 2.5	Pass
	683	100	0	20	3.3	-1.800	-0.0026	-2.5 to 2.5	Pass
					3.8	-0.700	-0.0010	-2.5 to 2.5	Pass
					4.4	-0.900	-0.0013	-2.5 to 2.5	Pass
				-30	3.8	0.300	0.0004	-2.5 to 2.5	Pass
				-20	3.8	-1.100	-0.0016	-2.5 to 2.5	Pass
				-10	3.8	-0.600	-0.0009	-2.5 to 2.5	Pass

				0	3.8	-1.400	-0.0020	-2.5 to 2.5	Pass
				10	3.8	-1.900	-0.0028	-2.5 to 2.5	Pass
				30	3.8	-0.800	-0.0012	-2.5 to 2.5	Pass
				40	3.8	-1.800	-0.0026	-2.5 to 2.5	Pass
				50	3.8	-1.100	-0.0016	-2.5 to 2.5	Pass
	688	100	0	20	3.3	-4.200	-0.0061	-2.5 to 2.5	Pass
					3.8	-2.000	-0.0029	-2.5 to 2.5	Pass
					4.4	-1.200	-0.0017	-2.5 to 2.5	Pass
				-30	3.8	-0.800	-0.0012	-2.5 to 2.5	Pass
				-20	3.8	-0.800	-0.0012	-2.5 to 2.5	Pass
				-10	3.8	-1.800	-0.0026	-2.5 to 2.5	Pass
				0	3.8	-2.700	-0.0039	-2.5 to 2.5	Pass
				10	3.8	-1.400	-0.0020	-2.5 to 2.5	Pass
				30	3.8	-1.400	-0.0020	-2.5 to 2.5	Pass
				40	3.8	-1.600	-0.0023	-2.5 to 2.5	Pass
				50	3.8	-1.400	-0.0020	-2.5 to 2.5	Pass
64QAM	673	100	0	20	3.3	-6.400	-0.0095	-2.5 to 2.5	Pass
					3.8	2.400	0.0036	-2.5 to 2.5	Pass
					4.4	0.600	0.0009	-2.5 to 2.5	Pass
				-30	3.8	-12.900	-0.0192	-2.5 to 2.5	Pass
				-20	3.8	8.600	0.0128	-2.5 to 2.5	Pass
				-10	3.8	-1.500	-0.0022	-2.5 to 2.5	Pass
				0	3.8	9.200	0.0137	-2.5 to 2.5	Pass
				10	3.8	3.100	0.0046	-2.5 to 2.5	Pass
				30	3.8	-14.800	-0.0220	-2.5 to 2.5	Pass
				40	3.8	-20.800	-0.0309	-2.5 to 2.5	Pass
				50	3.8	1.100	0.0016	-2.5 to 2.5	Pass
	683	100	0	20	3.3	-16.900	-0.0247	-2.5 to 2.5	Pass
					3.8	-2.000	-0.0029	-2.5 to 2.5	Pass
					4.4	18.200	0.0266	-2.5 to 2.5	Pass
				-30	3.8	-1.500	-0.0022	-2.5 to 2.5	Pass
				-20	3.8	5.400	0.0079	-2.5 to 2.5	Pass
				-10	3.8	10.300	0.0151	-2.5 to 2.5	Pass
				0	3.8	-2.900	-0.0042	-2.5 to 2.5	Pass
				10	3.8	4.400	0.0064	-2.5 to 2.5	Pass
				30	3.8	10.400	0.0152	-2.5 to 2.5	Pass
				40	3.8	-9.400	-0.0138	-2.5 to 2.5	Pass
				50	3.8	-14.400	-0.0211	-2.5 to 2.5	Pass
	688	100	0	20	3.3	0.600	0.0009	-2.5 to 2.5	Pass
					3.8	-5.700	-0.0083	-2.5 to 2.5	Pass
					4.4	0.600	0.0009	-2.5 to 2.5	Pass
				-30	3.8	-1.800	-0.0026	-2.5 to 2.5	Pass
				-20	3.8	6.200	0.0090	-2.5 to 2.5	Pass
				-10	3.8	14.600	0.0212	-2.5 to 2.5	Pass
				0	3.8	5.000	0.0073	-2.5 to 2.5	Pass
				10	3.8	-3.400	-0.0049	-2.5 to 2.5	Pass
				30	3.8	6.500	0.0094	-2.5 to 2.5	Pass
				40	3.8	3.100	0.0045	-2.5 to 2.5	Pass
				50	3.8	-8.300	-0.0121	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band71_OBW

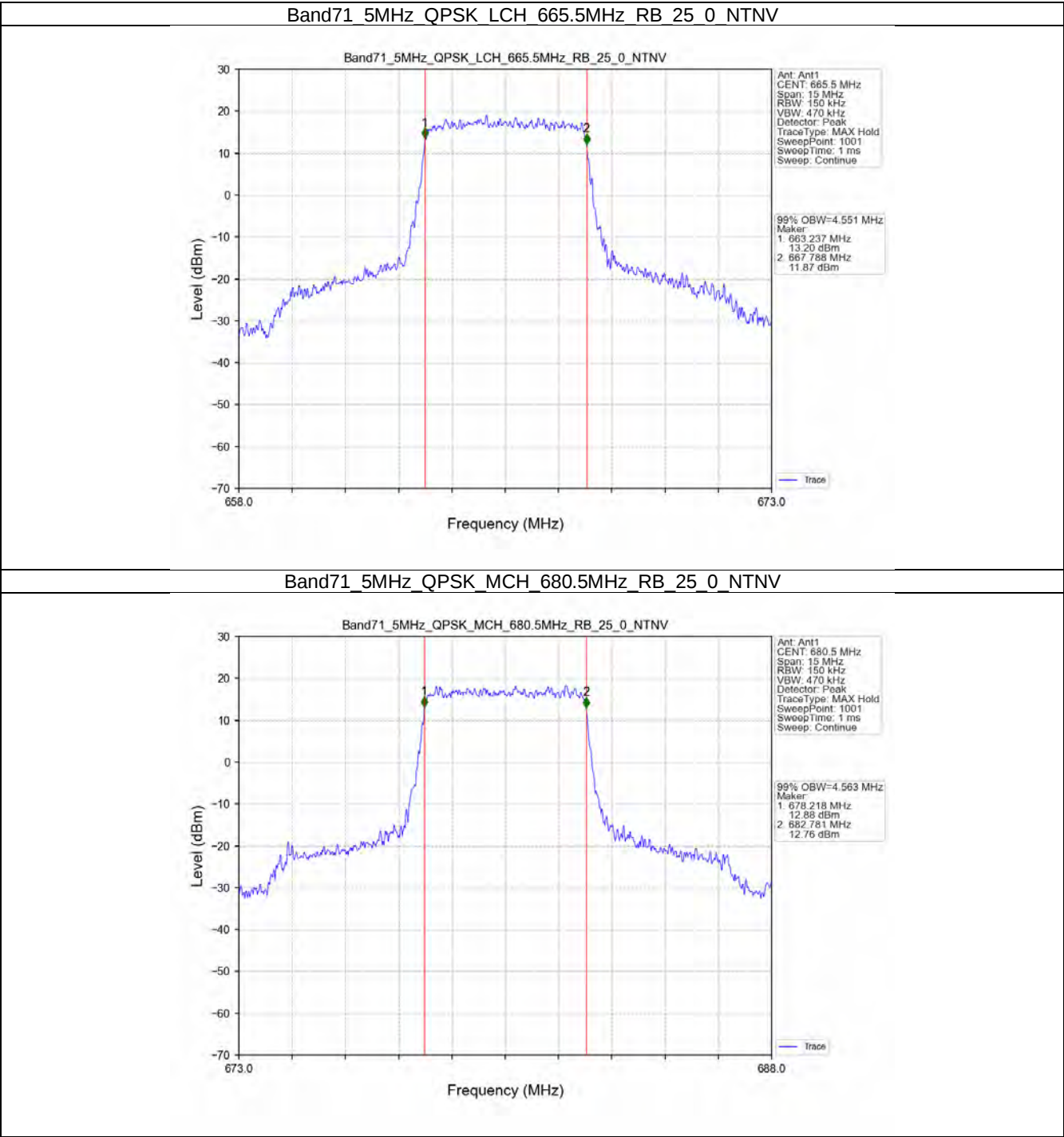
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.551	/	Pass
		680.5	25	0	4.563	/	Pass
		695.5	25	0	4.581	/	Pass
	16QAM	665.5	25	0	4.534	/	Pass
		680.5	25	0	4.551	/	Pass
		695.5	25	0	4.550	/	Pass
	64QAM	665.5	25	0	1.560	/	Pass
		680.5	25	0	4.557	/	Pass
		695.5	25	0	4.562	/	Pass
10	QPSK	668	50	0	9.075	/	Pass
		680.5	50	0	9.097	/	Pass
		693	50	0	9.080	/	Pass
	16QAM	668	50	0	9.050	/	Pass
		680.5	50	0	9.070	/	Pass
		693	50	0	9.100	/	Pass
	64QAM	668	50	0	9.040	/	Pass
		680.5	50	0	9.055	/	Pass
		693	50	0	8.897	/	Pass
15	QPSK	670.5	75	0	13.576	/	Pass
		680.5	75	0	13.630	/	Pass
		690.5	75	0	13.603	/	Pass
	16QAM	670.5	75	0	13.594	/	Pass
		680.5	75	0	13.606	/	Pass
		690.5	75	0	13.604	/	Pass
	64QAM	670.5	75	0	13.562	/	Pass
		680.5	75	0	13.642	/	Pass
		690.5	75	0	13.592	/	Pass
20	QPSK	673	100	0	18.088	/	Pass
		683	100	0	18.099	/	Pass
		688	100	0	18.086	/	Pass
	16QAM	673	100	0	18.091	/	Pass
		683	100	0	18.105	/	Pass
		688	100	0	18.132	/	Pass
	64QAM	673	100	0	18.082	/	Pass
		683	100	0	18.087	/	Pass
		688	100	0	2.103	/	Pass

3.1.2 Band71_XDB

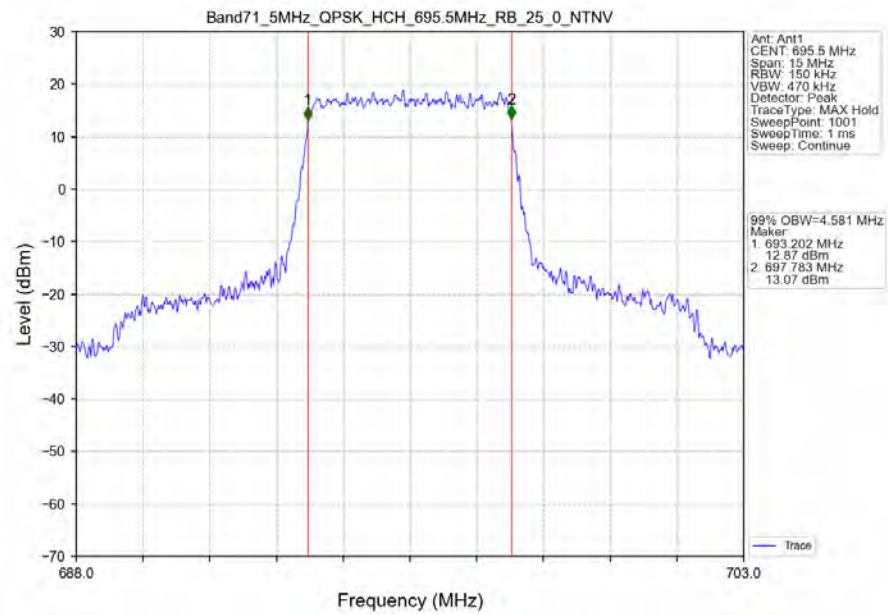
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.193	/	Pass
		680.5	25	0	5.249	/	Pass
		695.5	25	0	5.242	/	Pass
	16QAM	665.5	25	0	5.110	/	Pass
		680.5	25	0	5.217	/	Pass
		695.5	25	0	5.249	/	Pass
	64QAM	665.5	25	0	1.787	/	Pass
		680.5	25	0	5.245	/	Pass
		695.5	25	0	5.224	/	Pass
10	QPSK	668	50	0	10.194	/	Pass
		680.5	50	0	10.132	/	Pass
		693	50	0	10.300	/	Pass
	16QAM	668	50	0	10.149	/	Pass
		680.5	50	0	10.251	/	Pass
		693	50	0	10.146	/	Pass
	64QAM	668	50	0	10.138	/	Pass
		680.5	50	0	10.216	/	Pass
		693	50	0	9.613	/	Pass
15	QPSK	670.5	75	0	15.150	/	Pass
		680.5	75	0	15.181	/	Pass
		690.5	75	0	15.120	/	Pass
	16QAM	670.5	75	0	15.168	/	Pass
		680.5	75	0	14.893	/	Pass
		690.5	75	0	15.141	/	Pass
	64QAM	670.5	75	0	15.086	/	Pass
		680.5	75	0	15.033	/	Pass
		690.5	75	0	15.071	/	Pass
20	QPSK	673	100	0	19.875	/	Pass
		683	100	0	19.789	/	Pass
		688	100	0	19.930	/	Pass
	16QAM	673	100	0	20.123	/	Pass
		683	100	0	20.100	/	Pass
		688	100	0	20.049	/	Pass
	64QAM	673	100	0	19.979	/	Pass
		683	100	0	19.965	/	Pass
		688	100	0	2.874	/	Pass

3.2 Test Graph

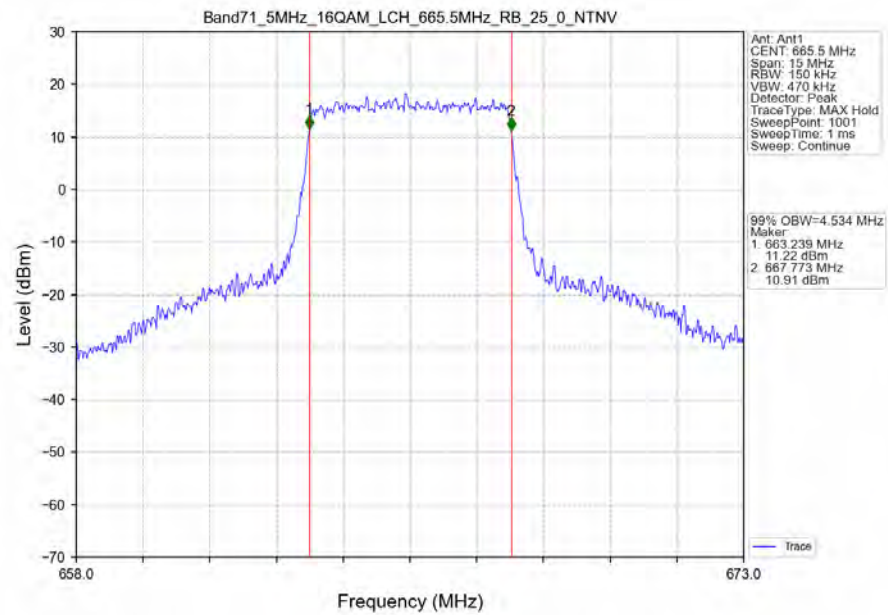
3.2.1 Band71_OBW



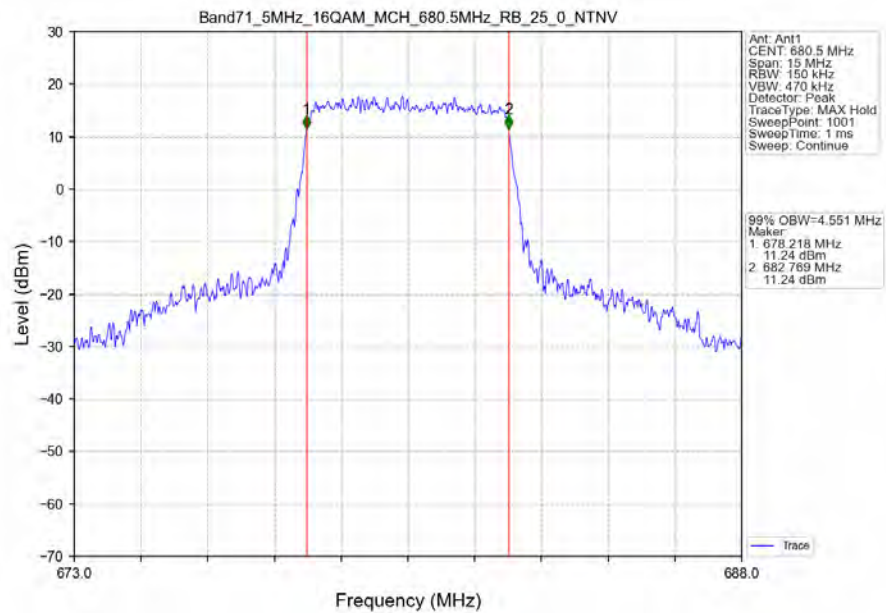
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



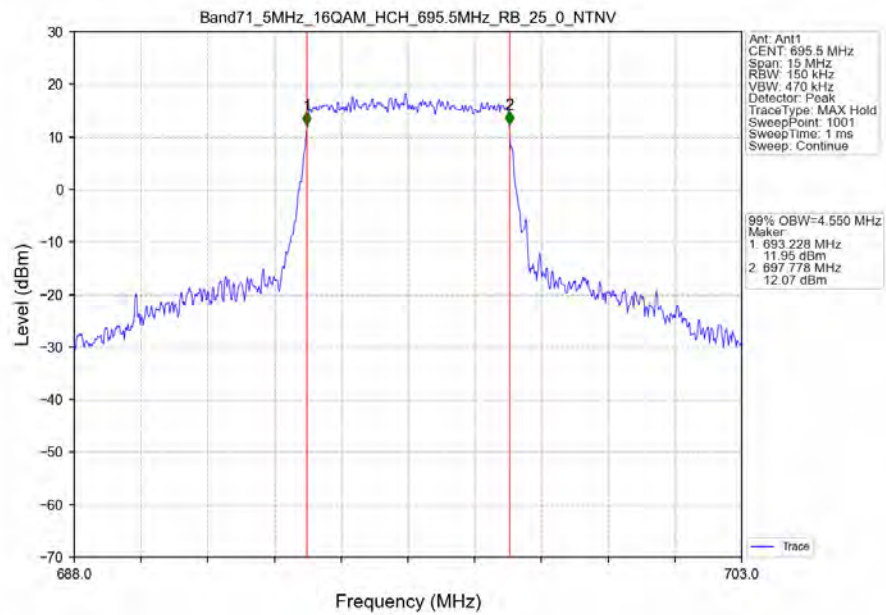
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



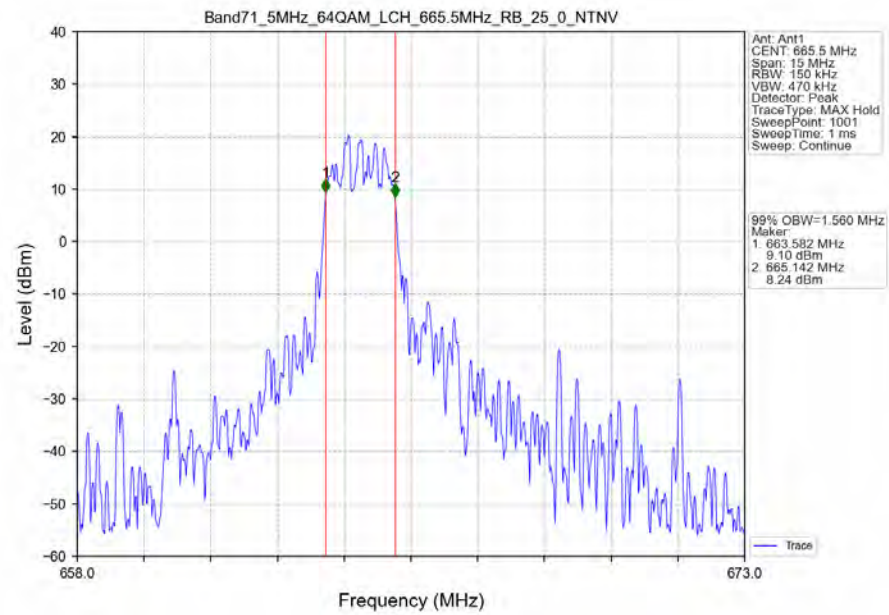
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



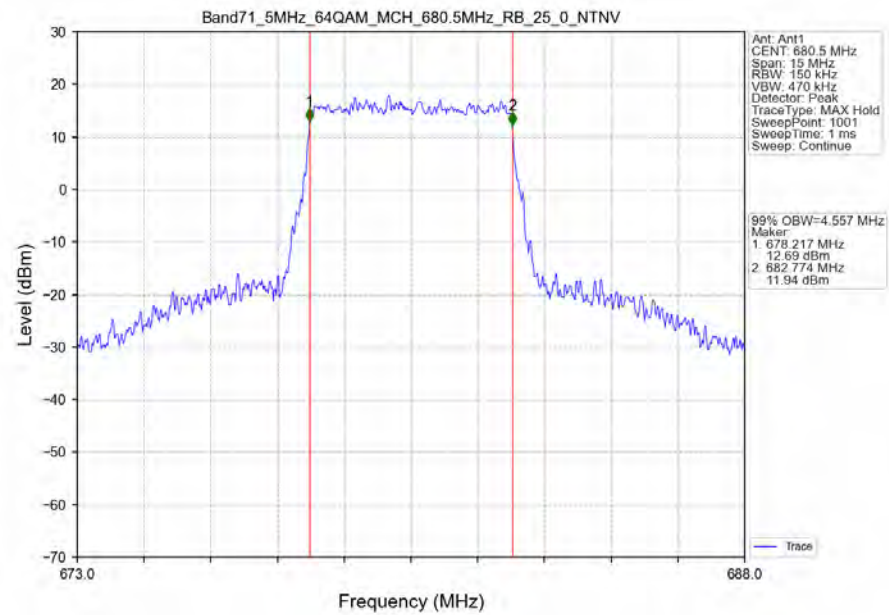
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



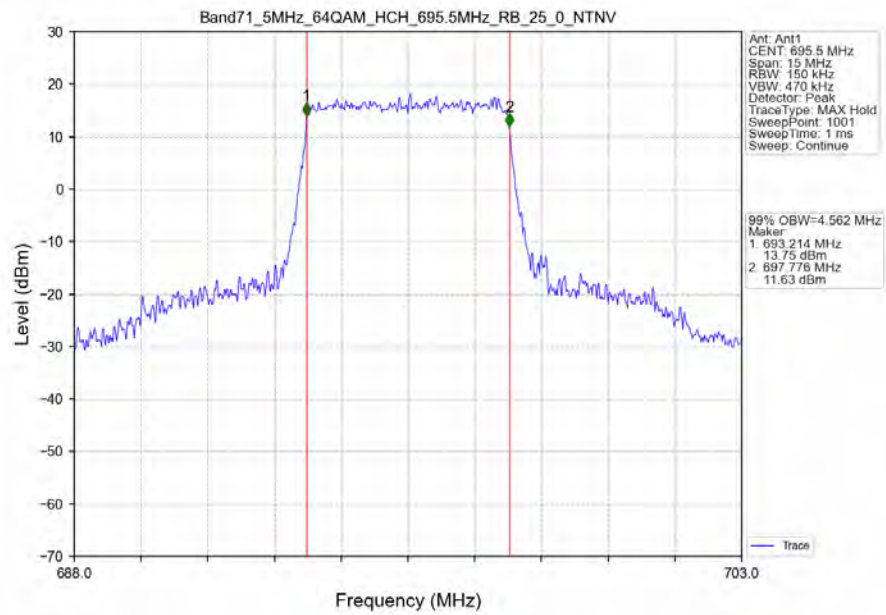
Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV



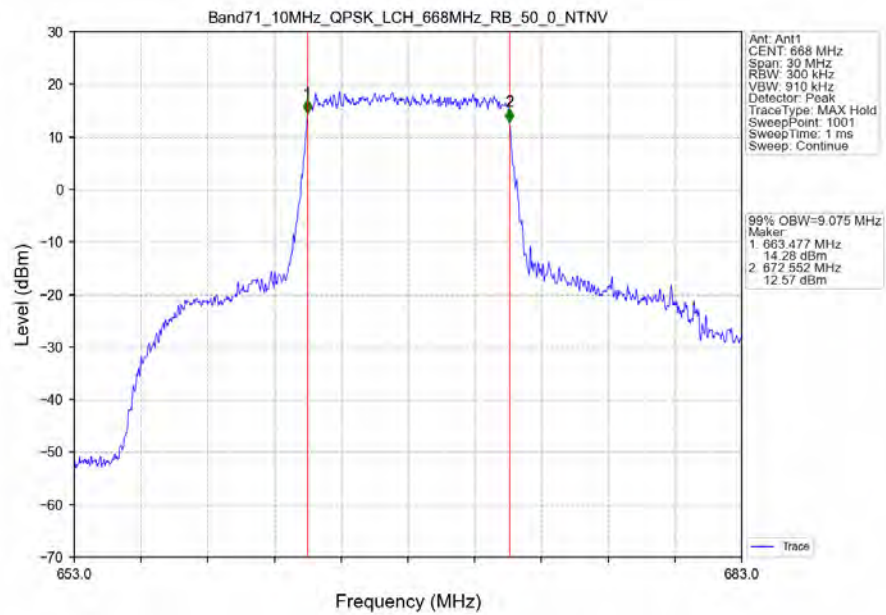
Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



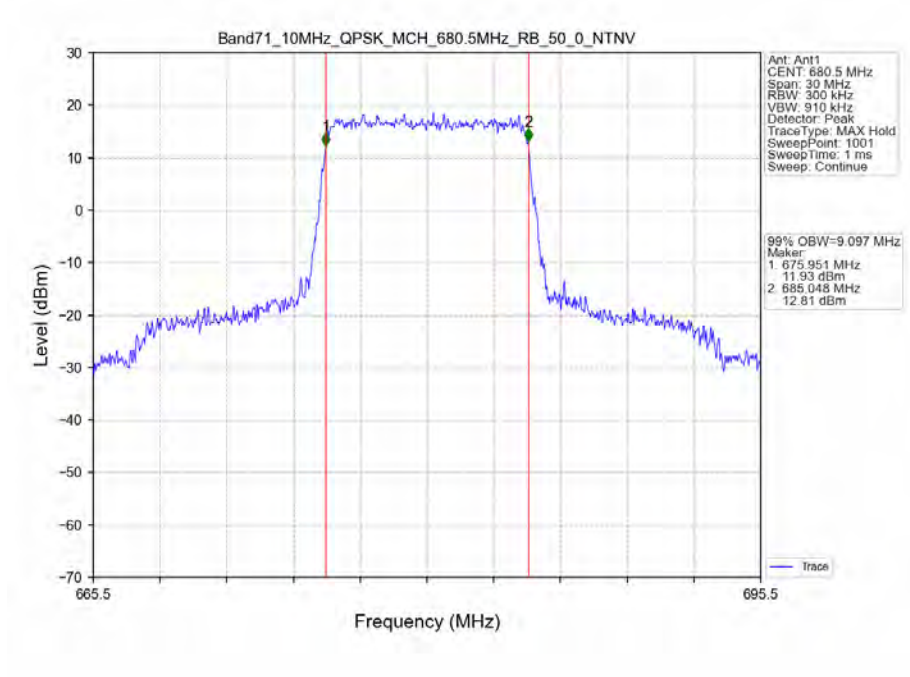
Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV



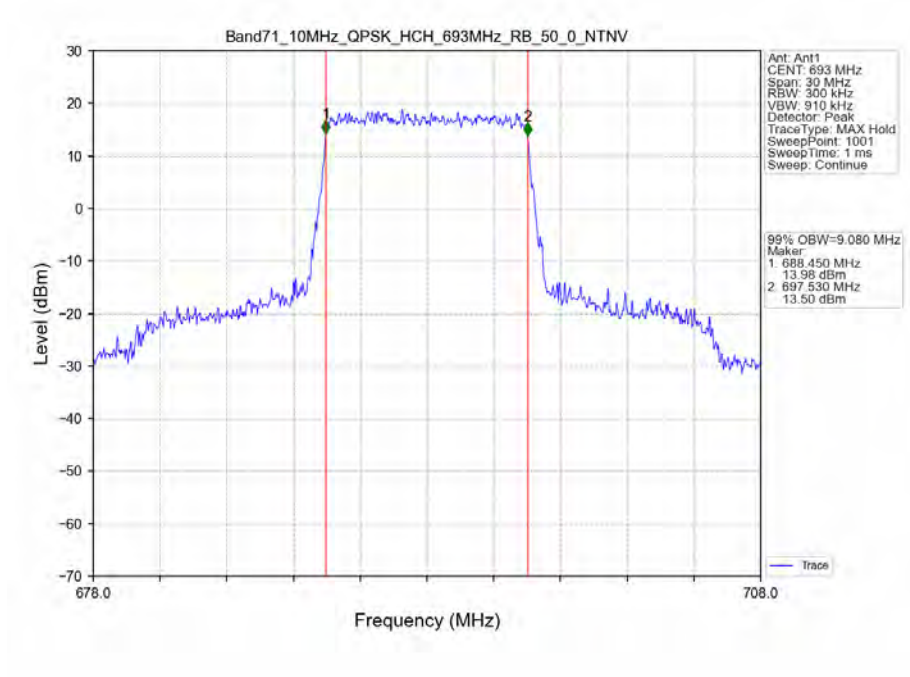
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



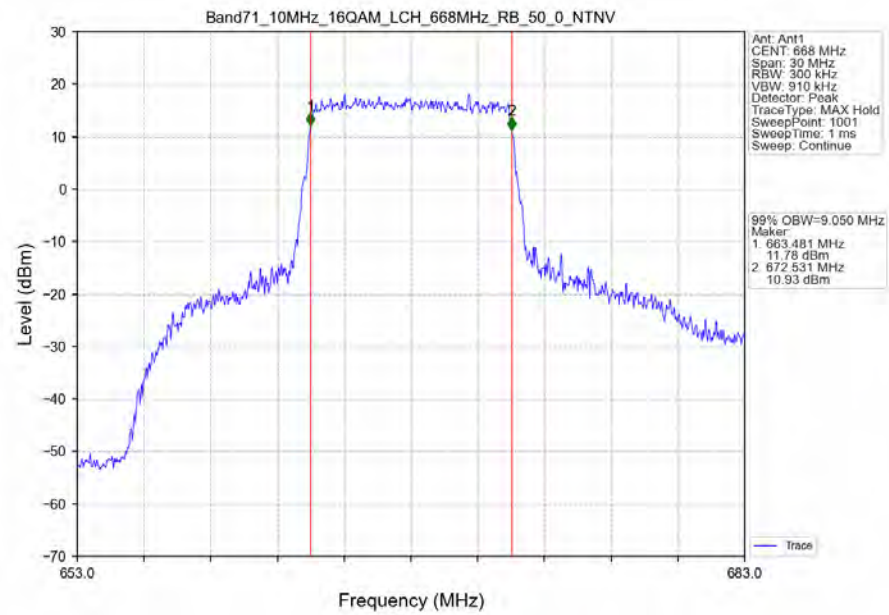
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



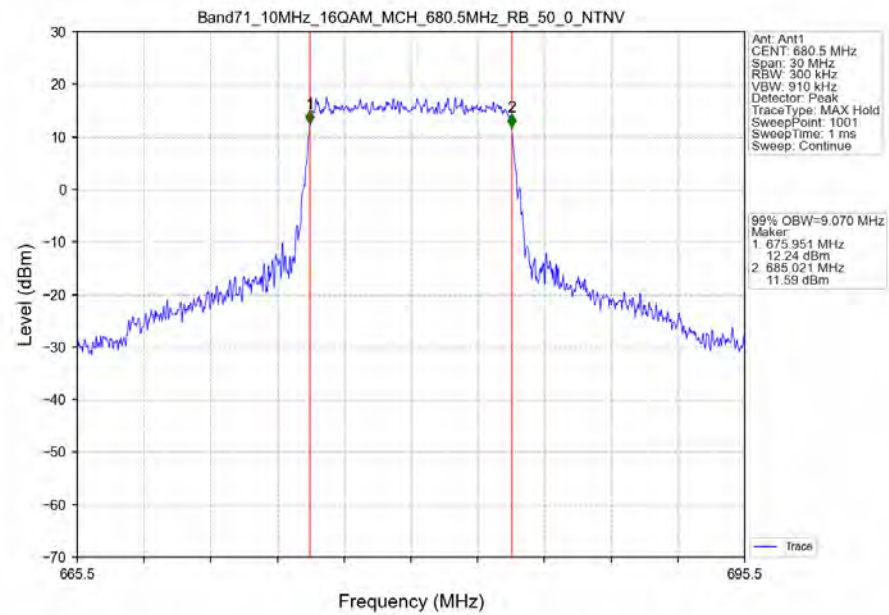
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



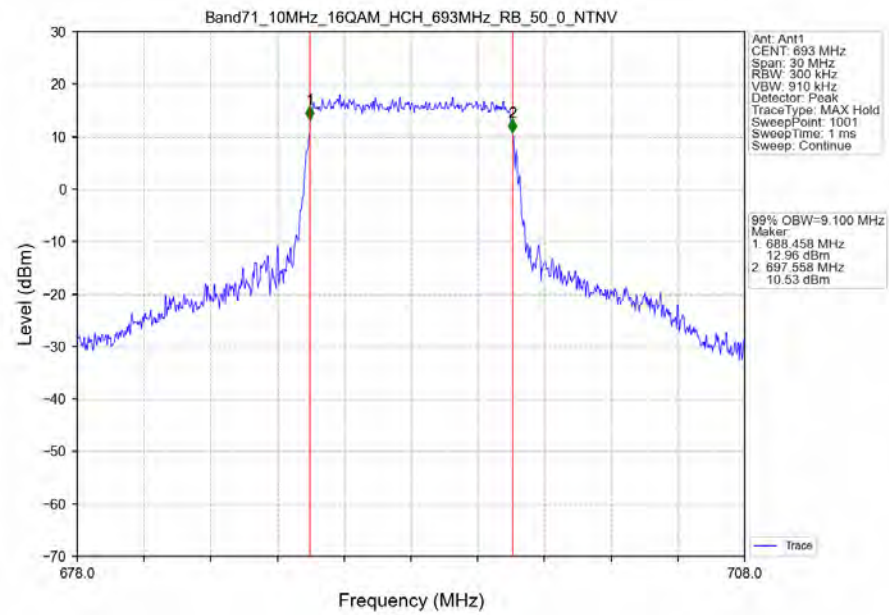
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



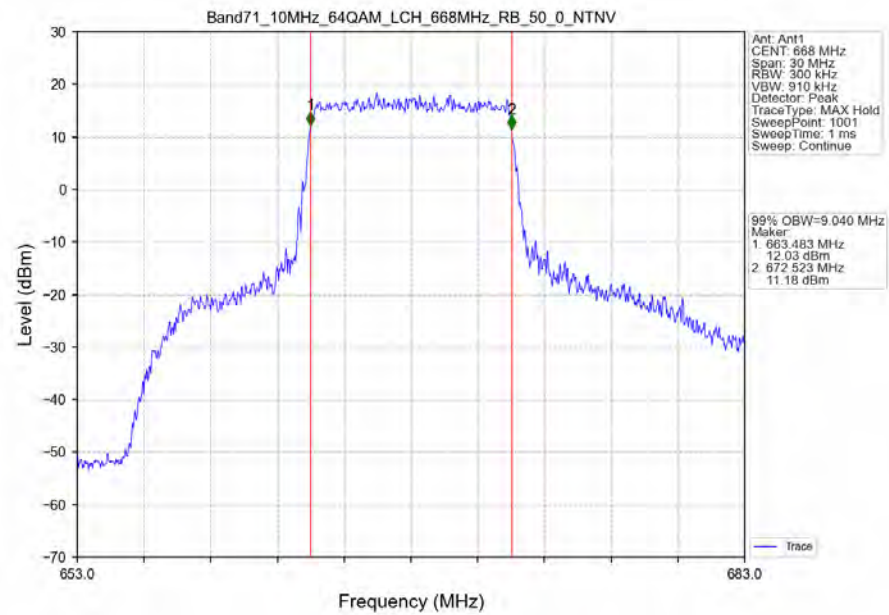
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



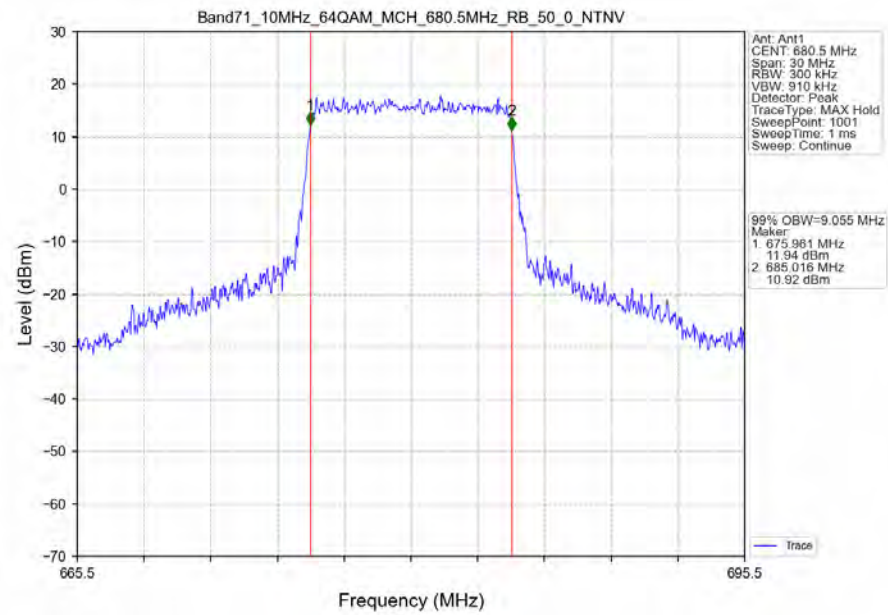
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



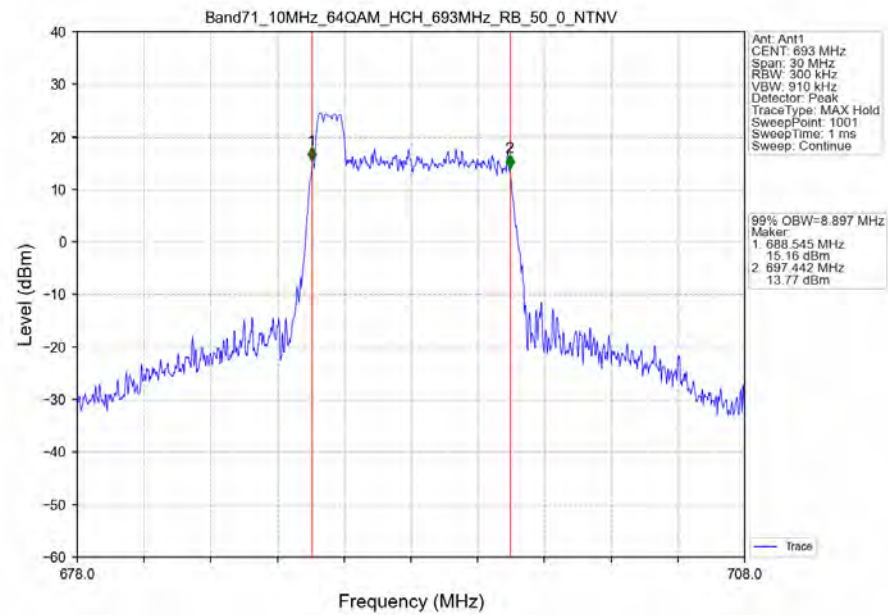
Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV



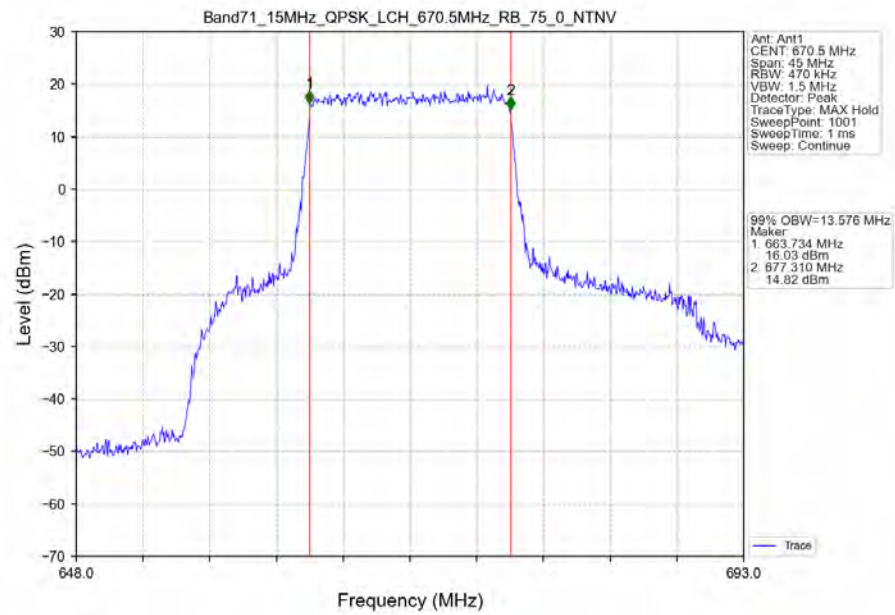
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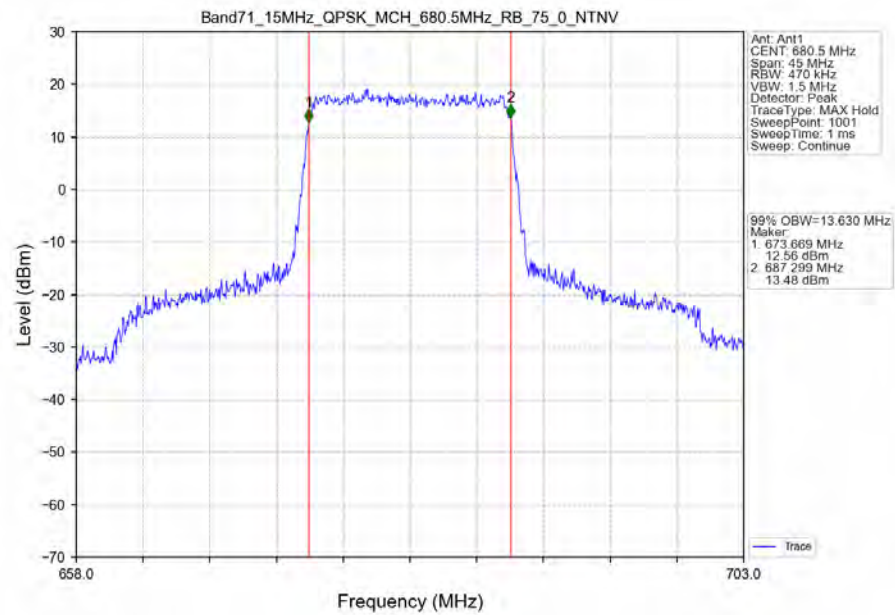
Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



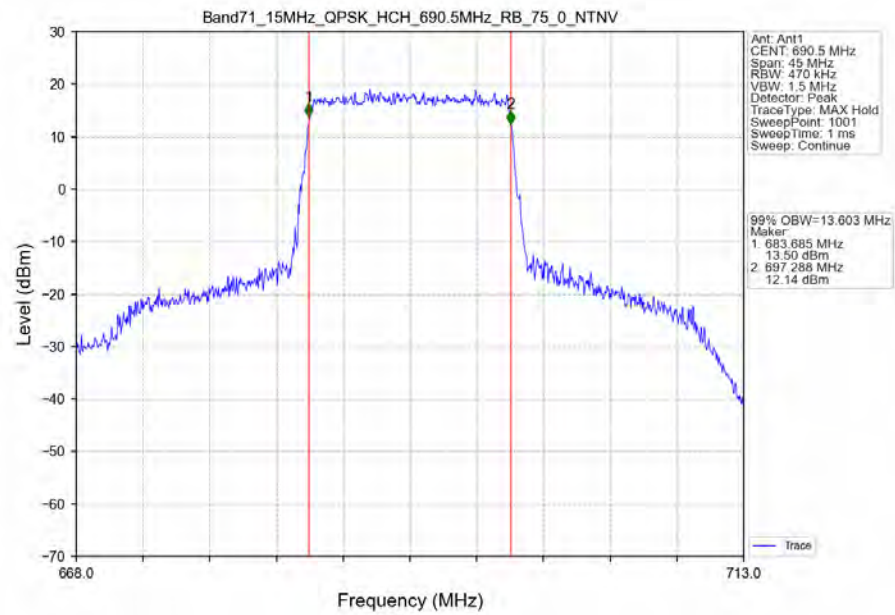
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



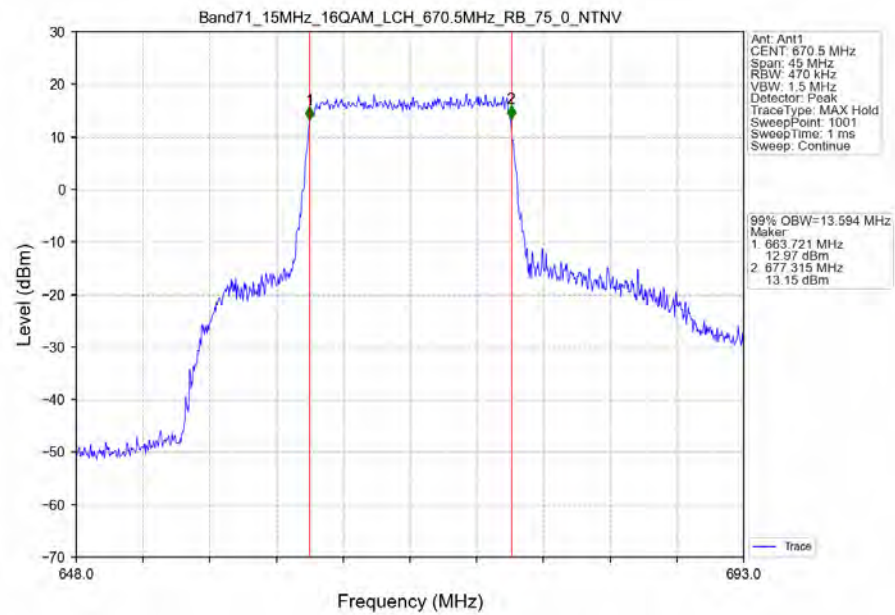
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



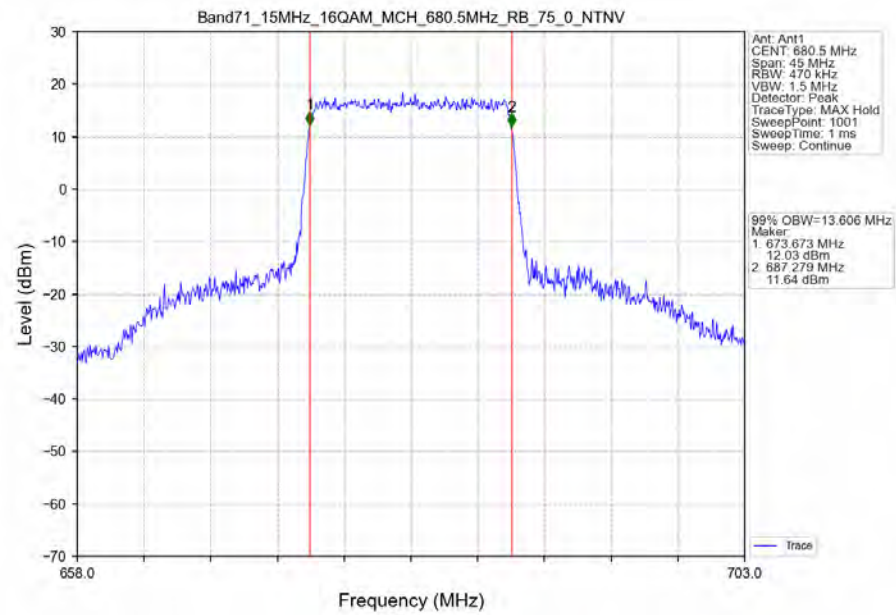
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



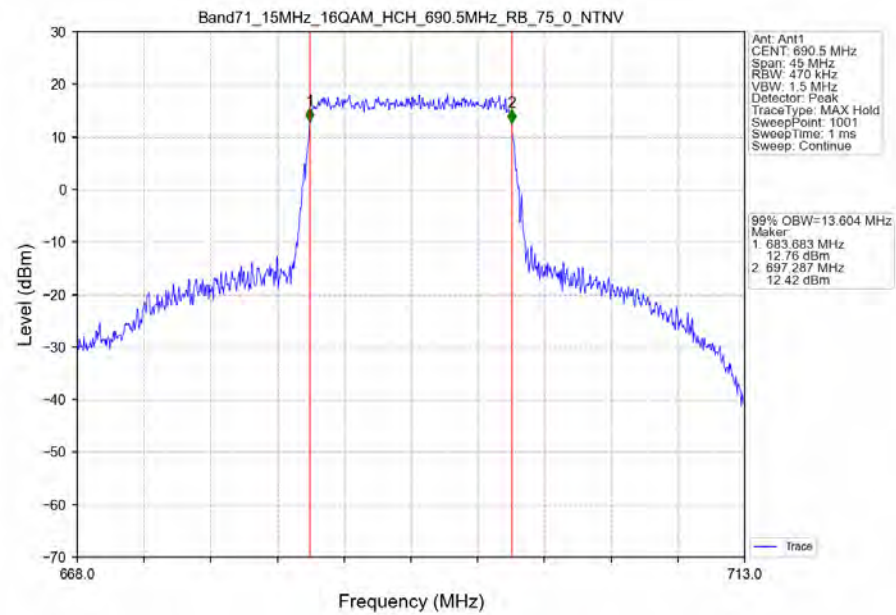
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



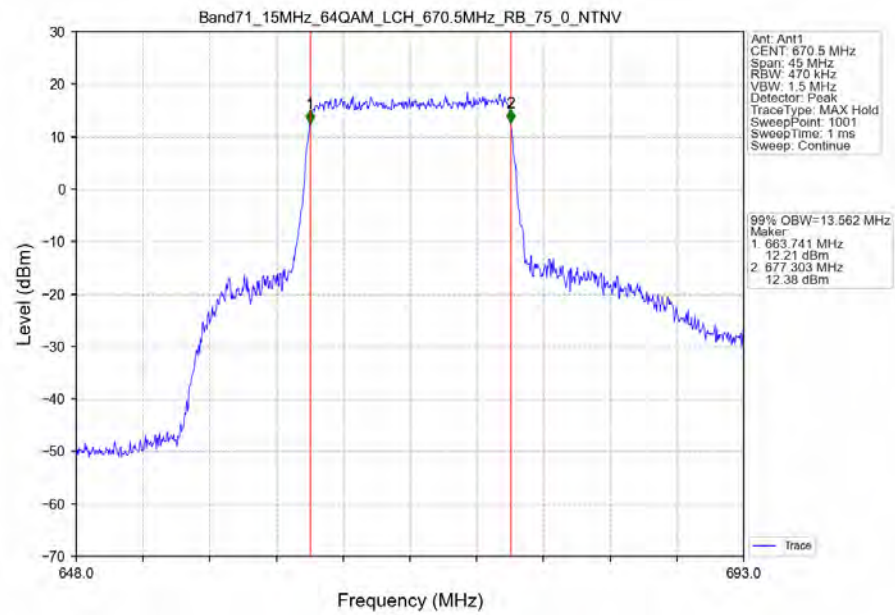
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



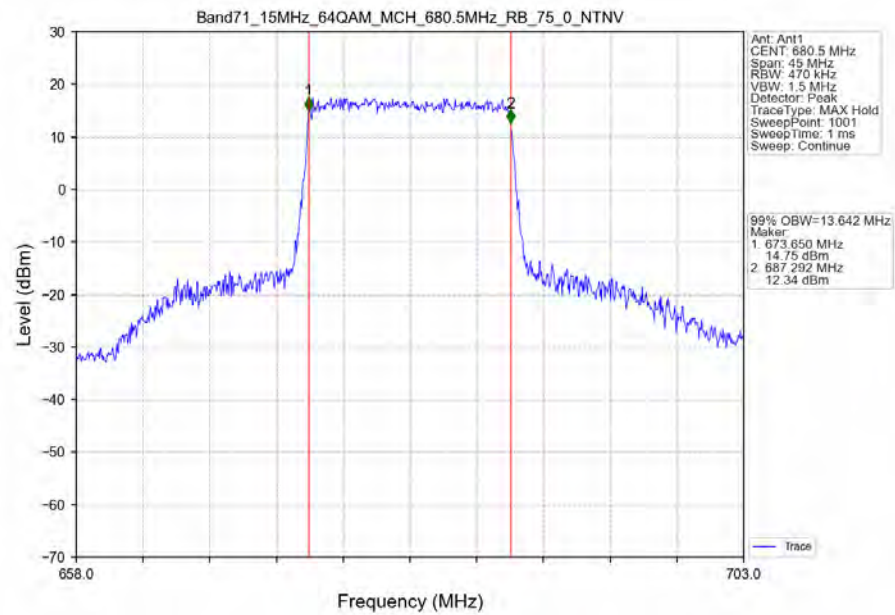
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



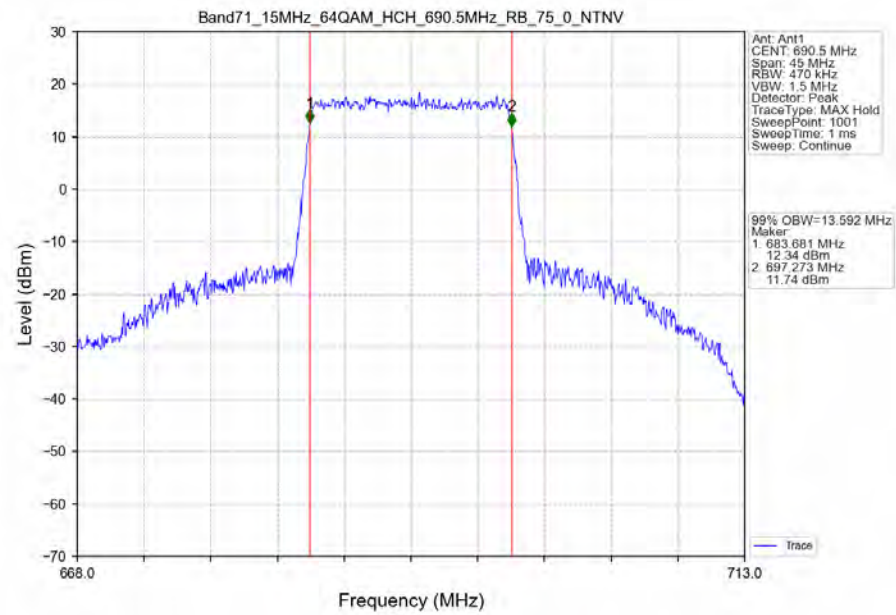
Band71_15MHz_64QAM_LCH_670.5MHz_RB_75_0_NTNV



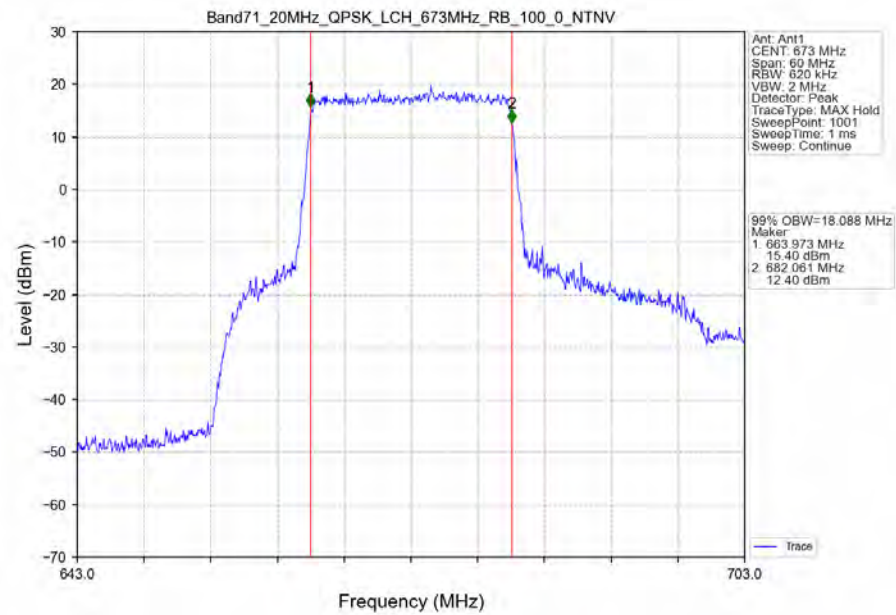
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



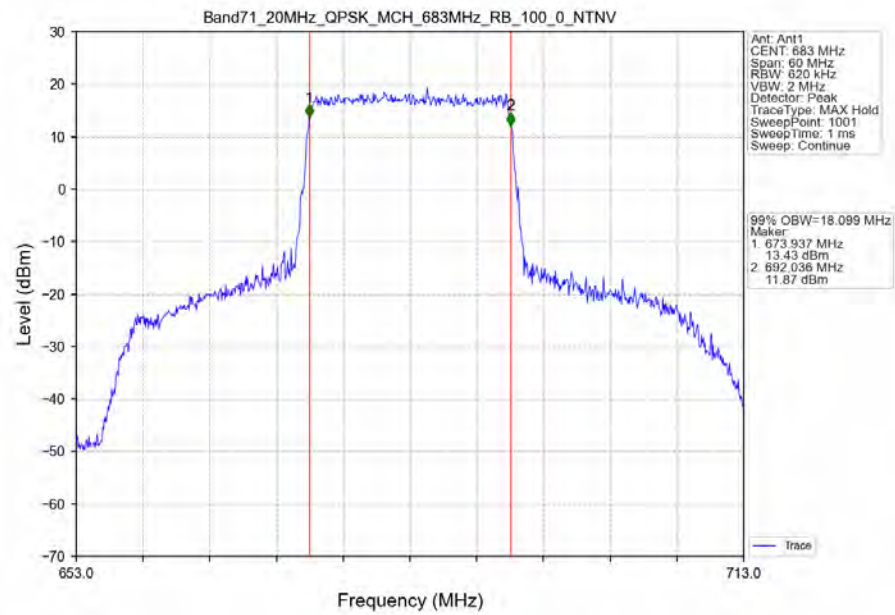
Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



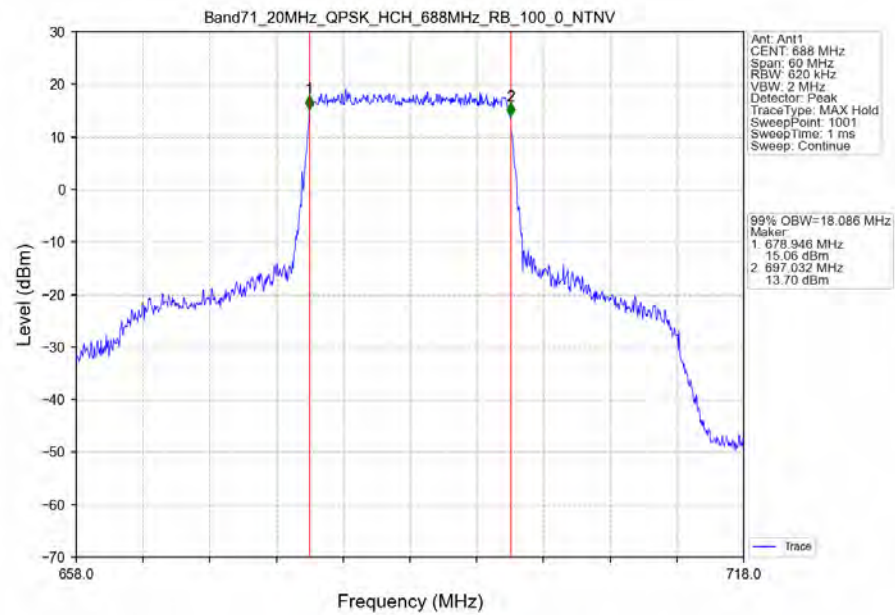
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



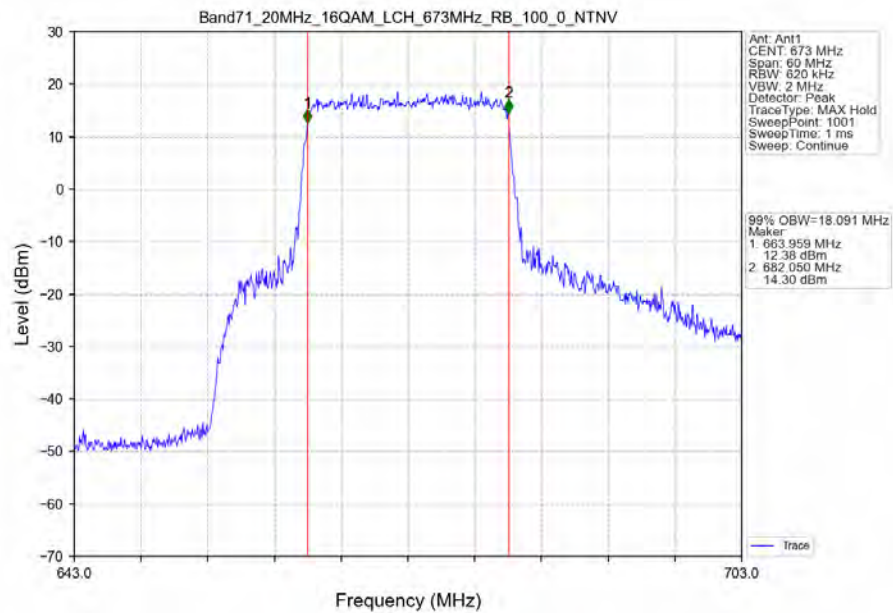
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



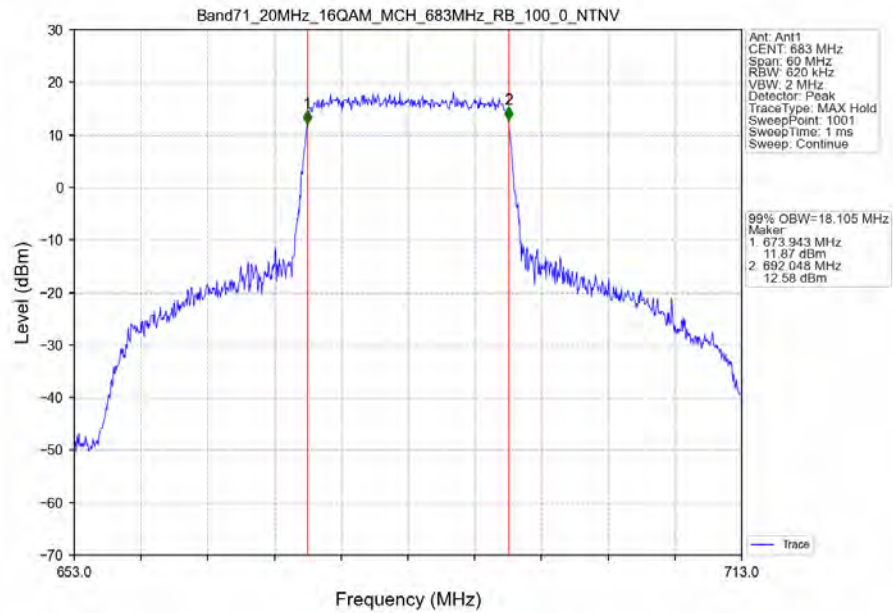
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



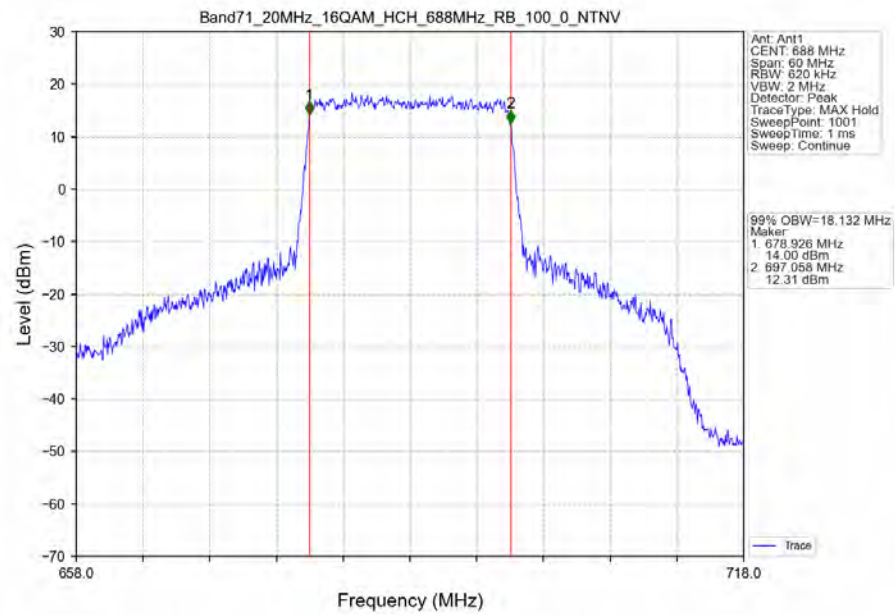
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



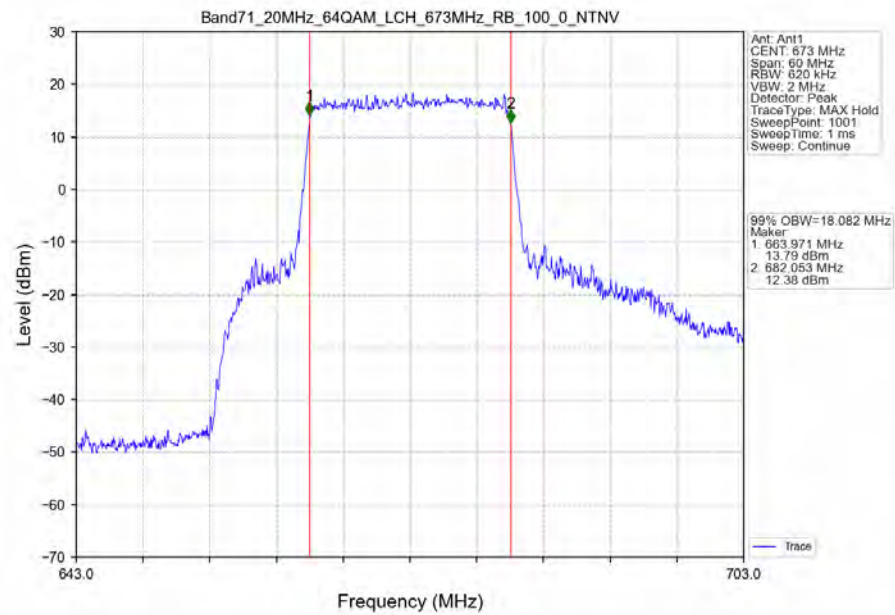
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



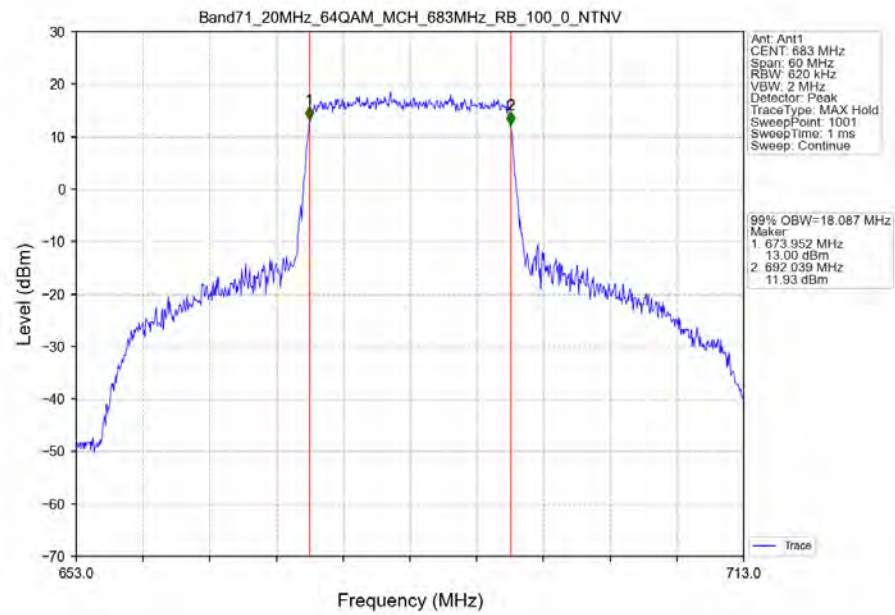
Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



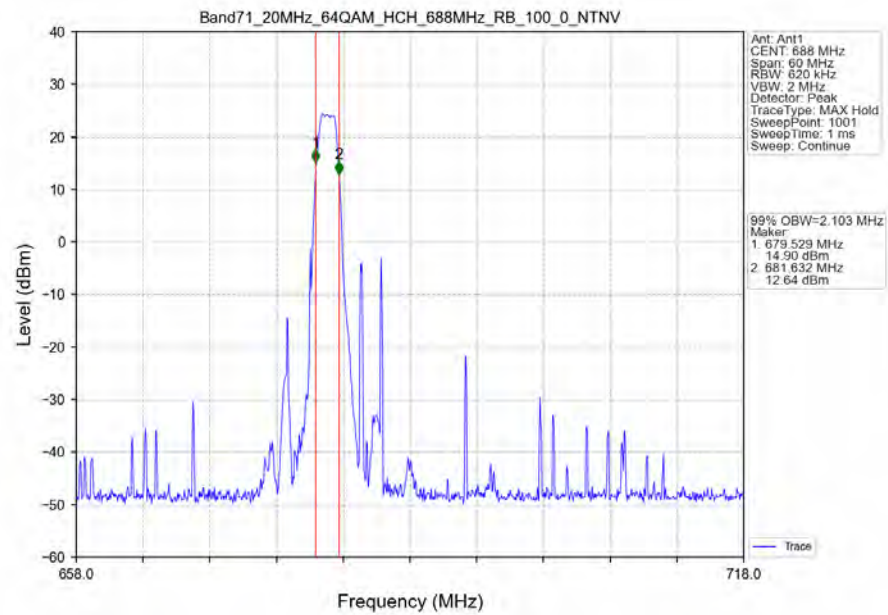
Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV

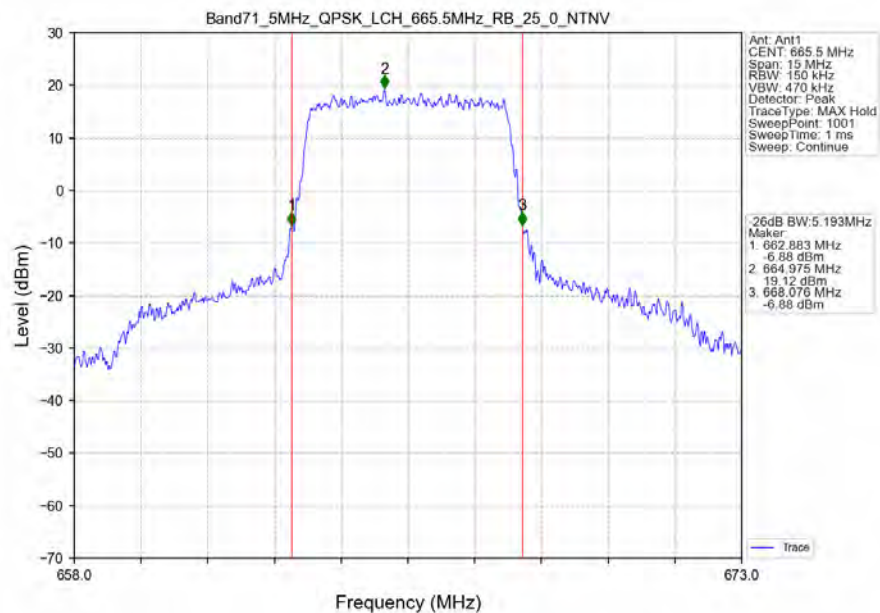


Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV

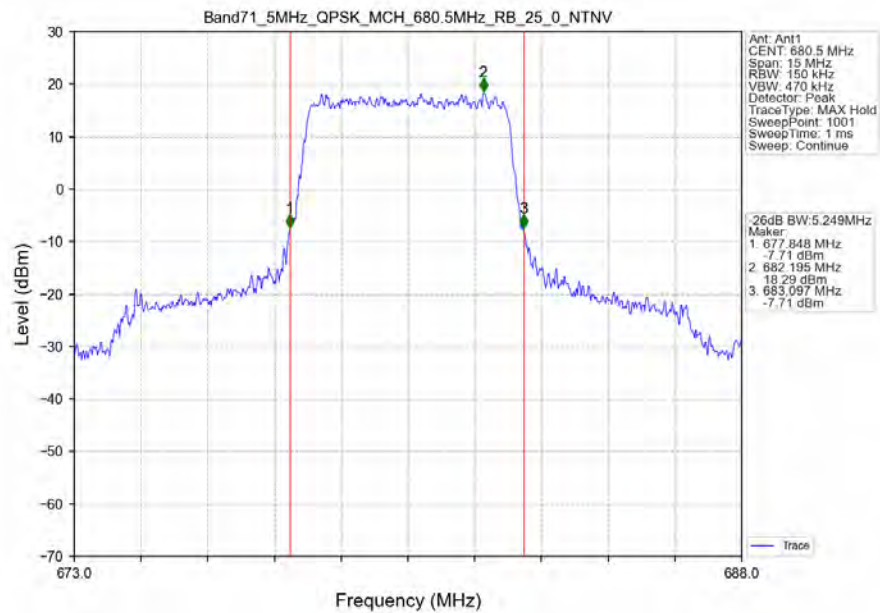


3.2.2 Band71_XDB

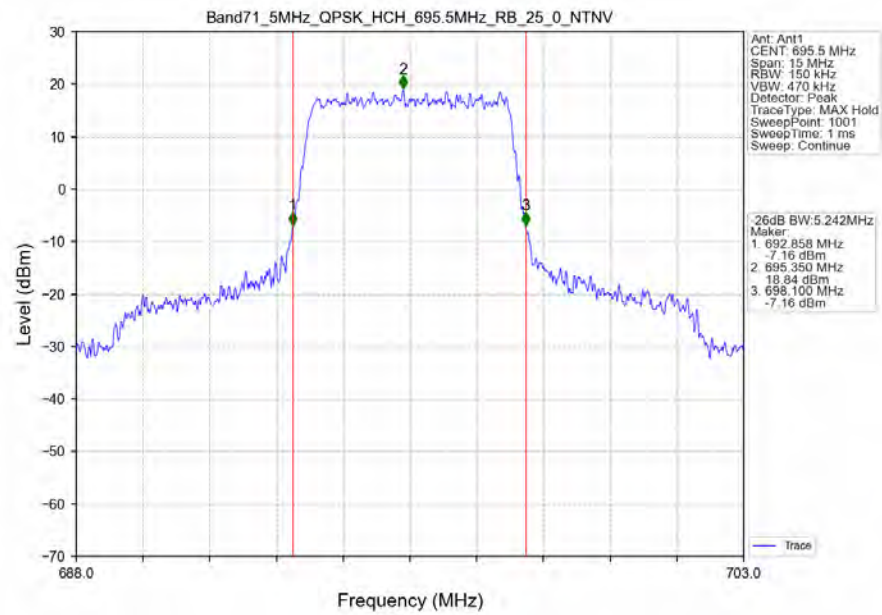
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



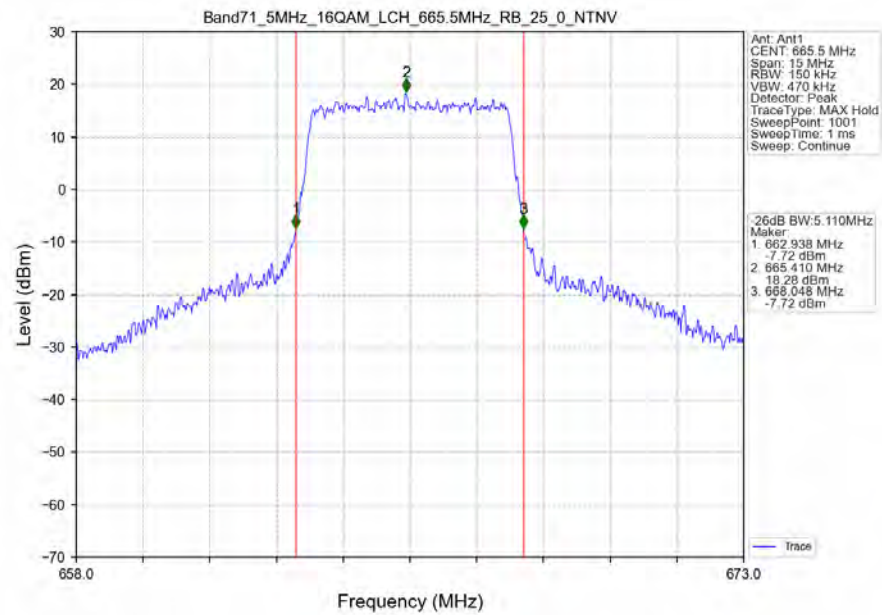
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



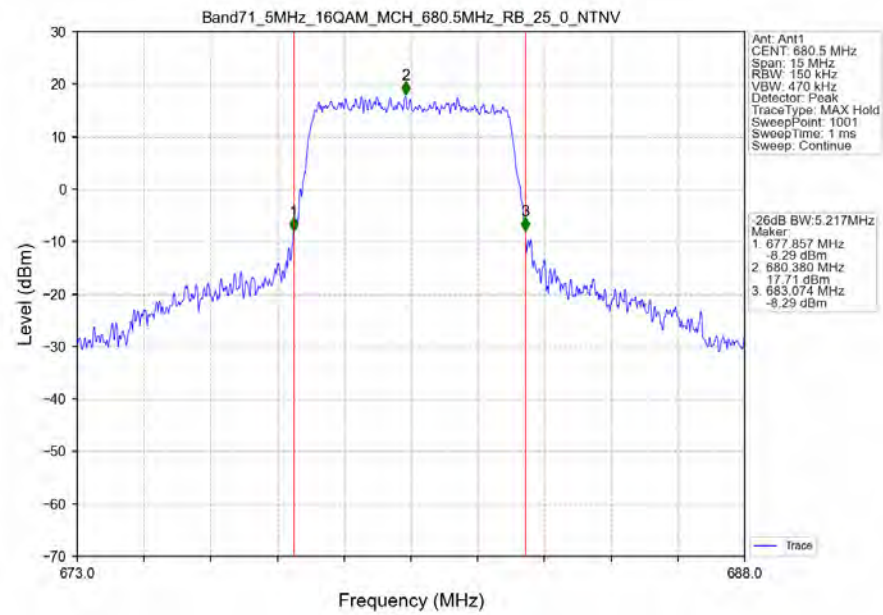
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



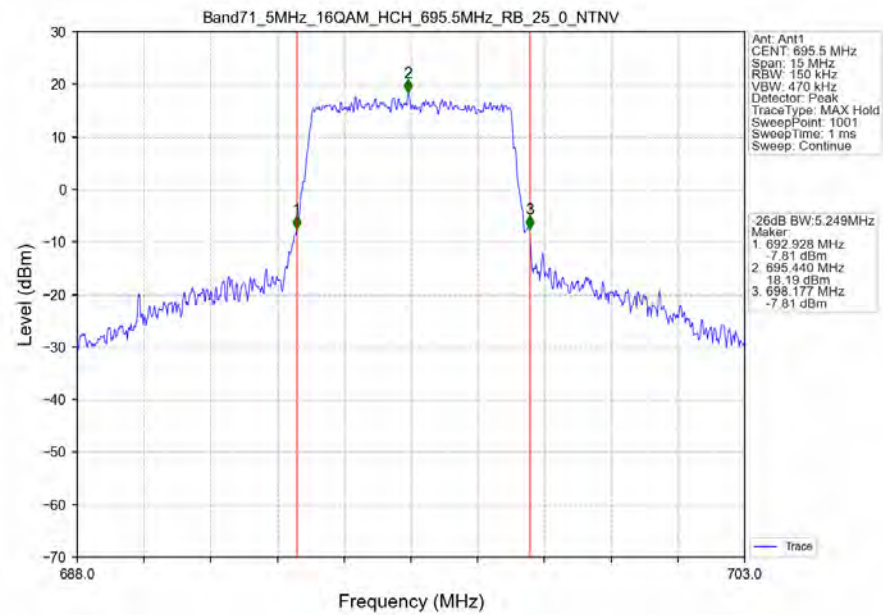
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



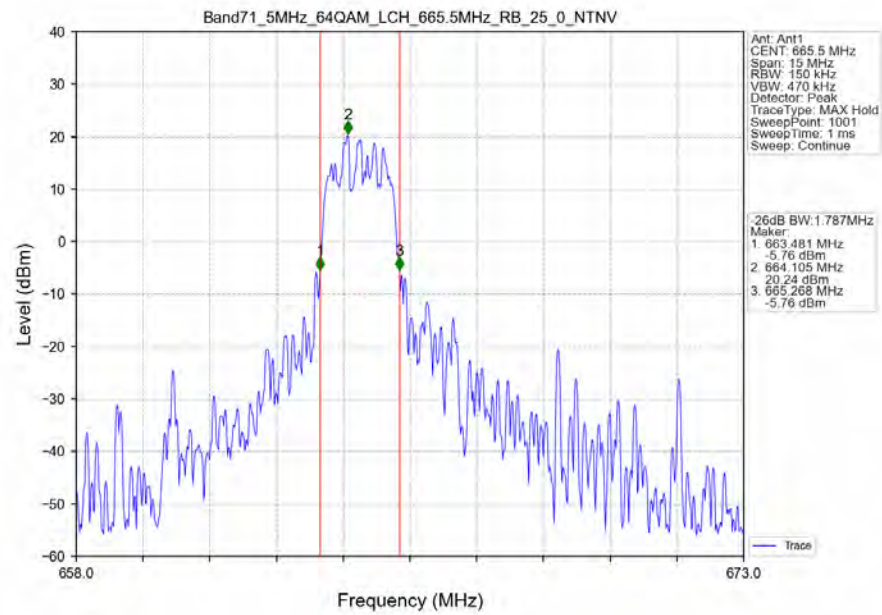
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



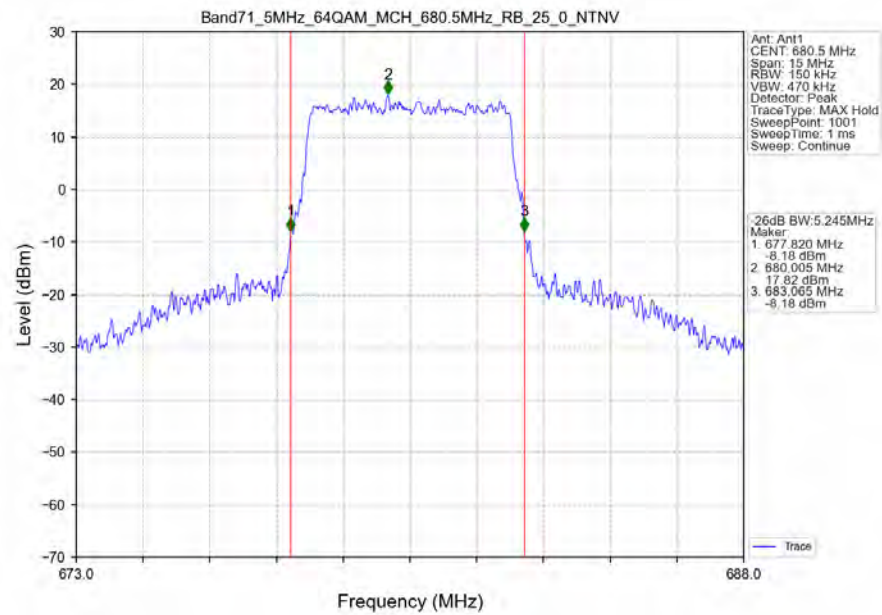
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



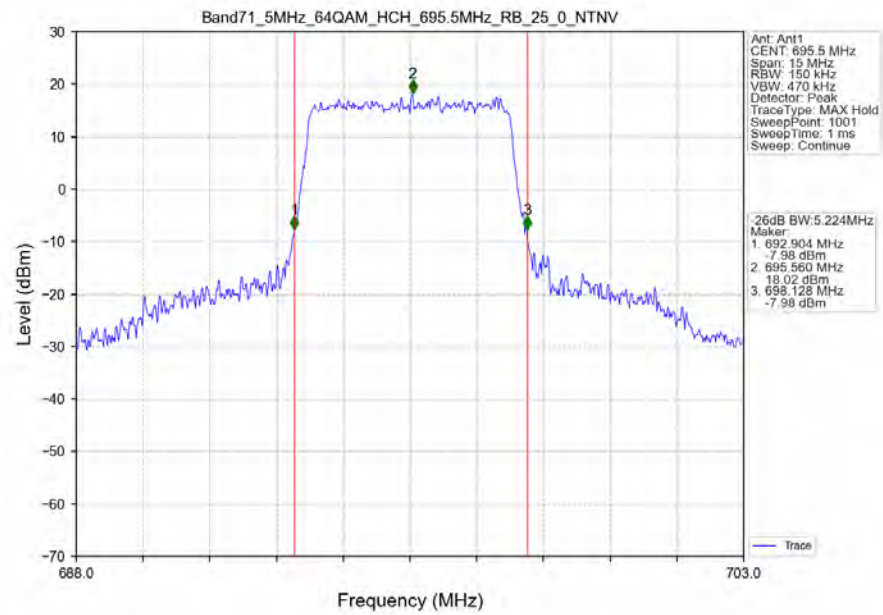
Band71_5MHz_64QAM_LCH_665.5MHz_RB_25_0_NTNV



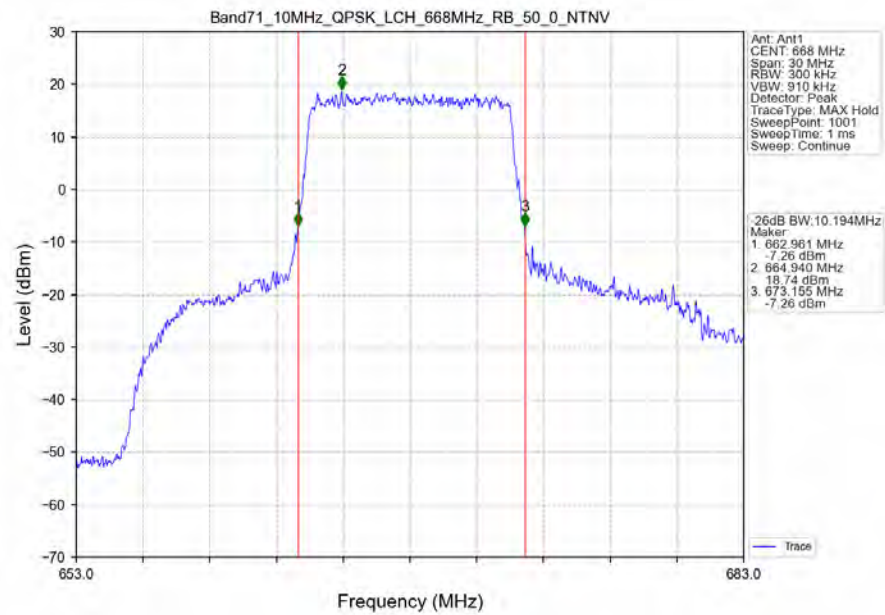
Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



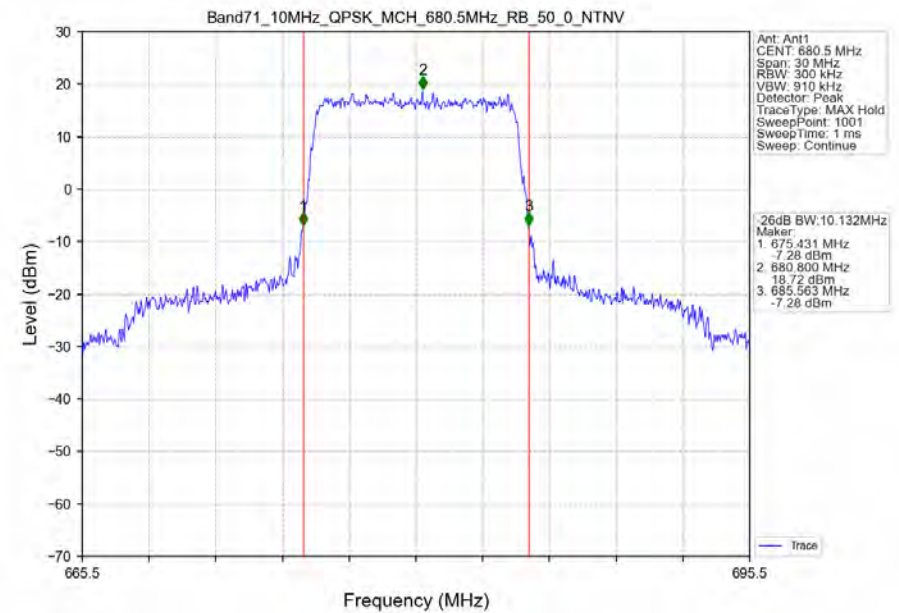
Band71_5MHz_64QAM_HCH_695.5MHz_RB_25_0_NTNV



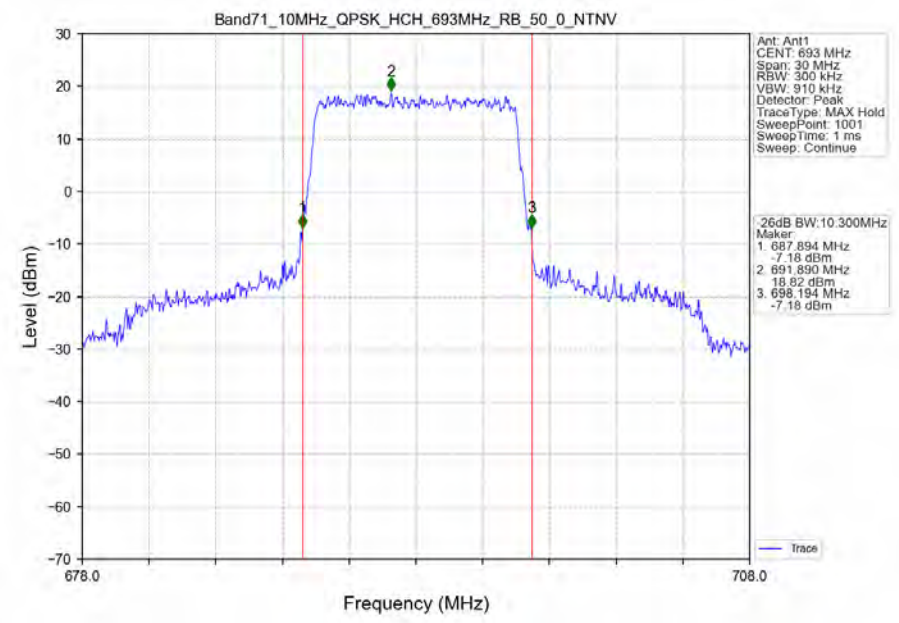
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



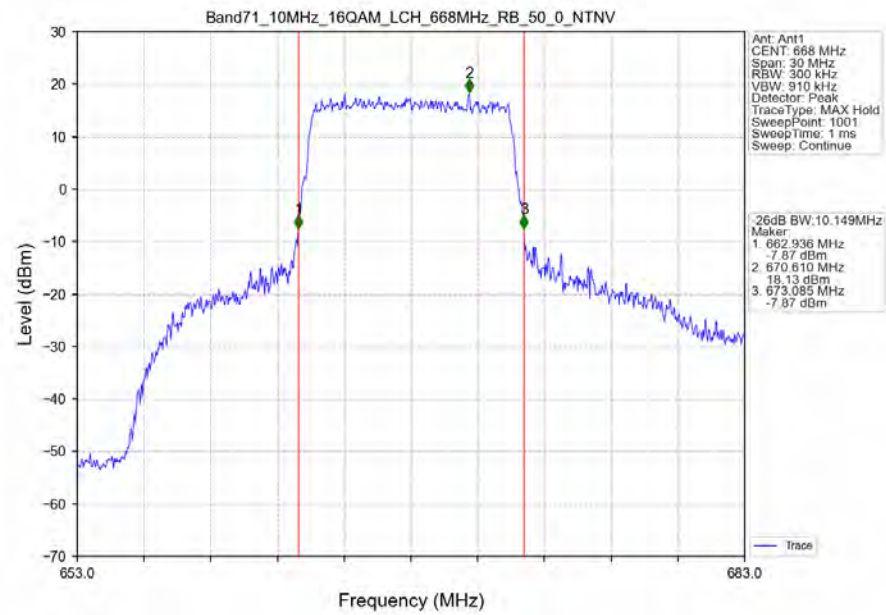
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



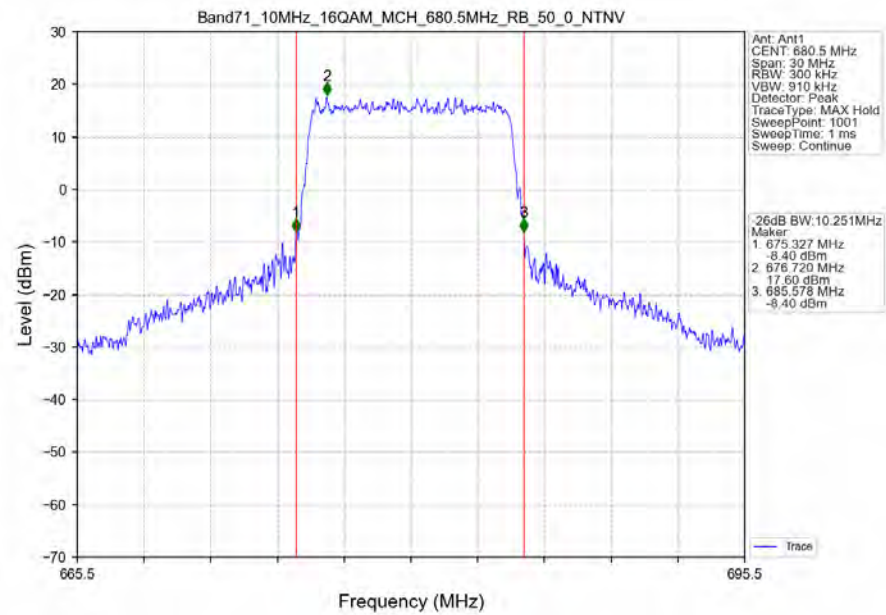
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



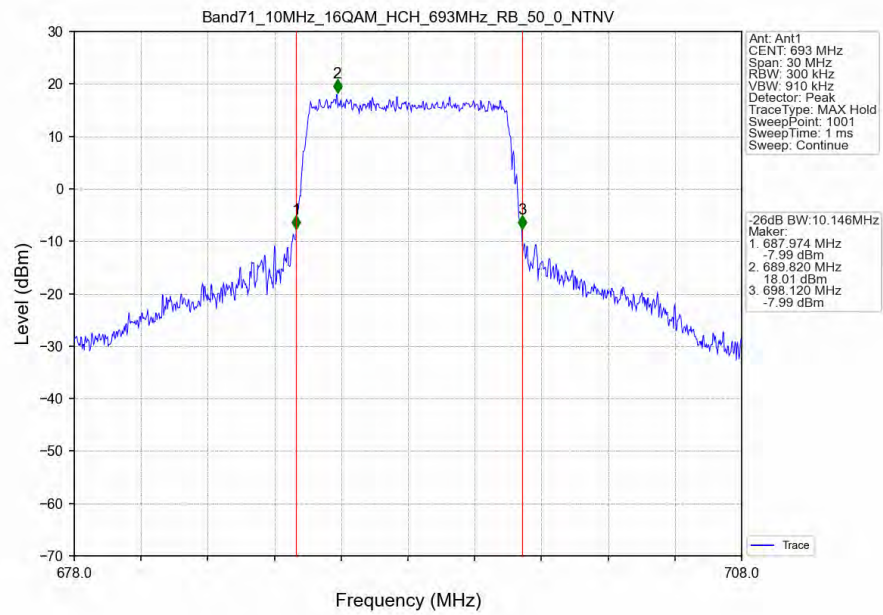
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



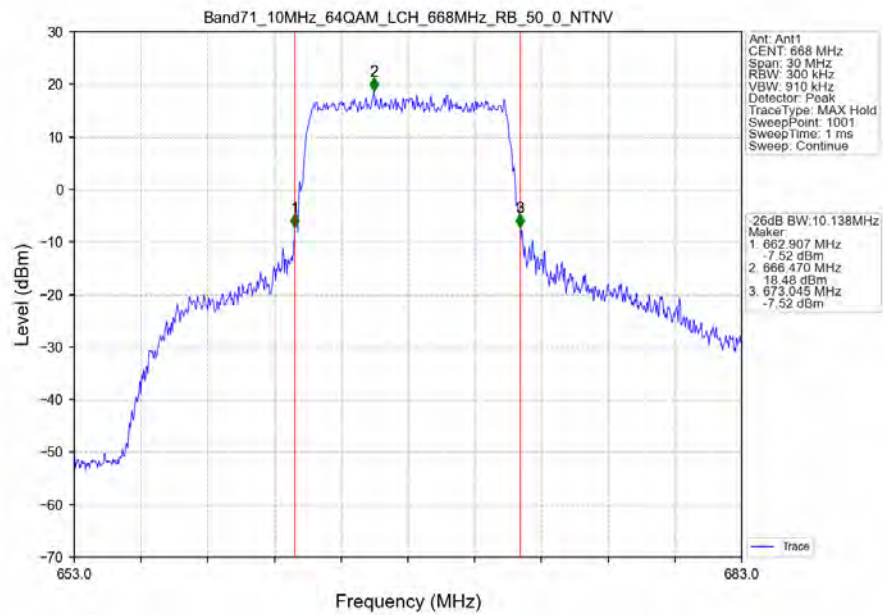
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



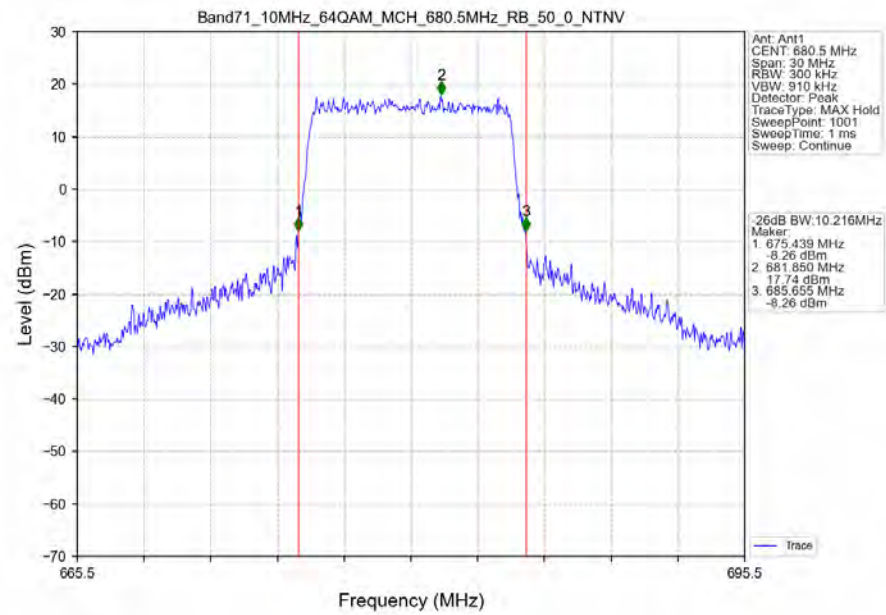
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



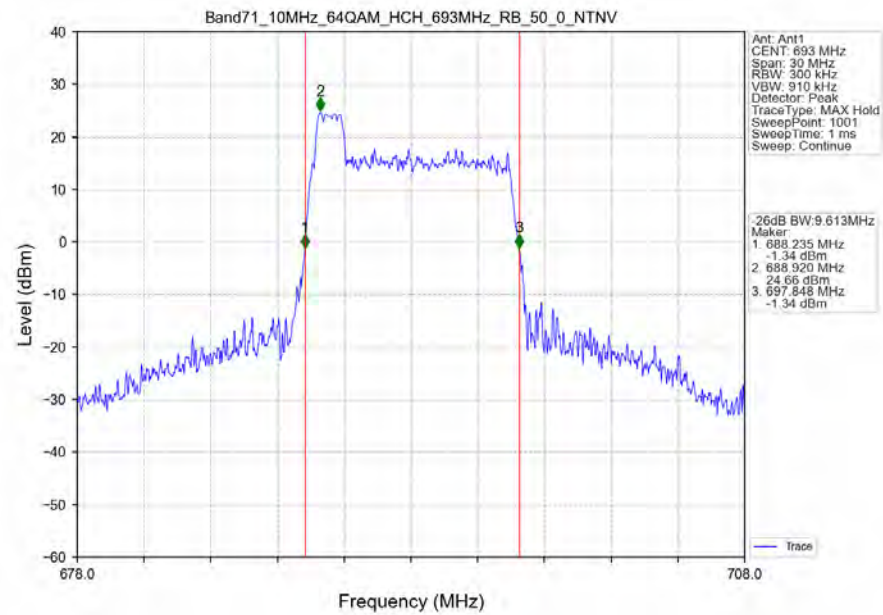
Band71_10MHz_64QAM_LCH_668MHz_RB_50_0_NTNV



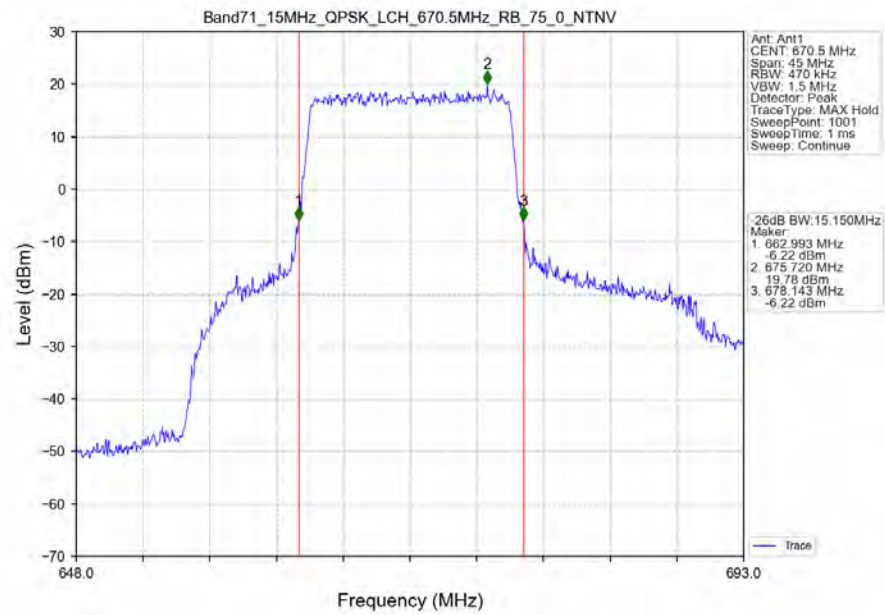
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



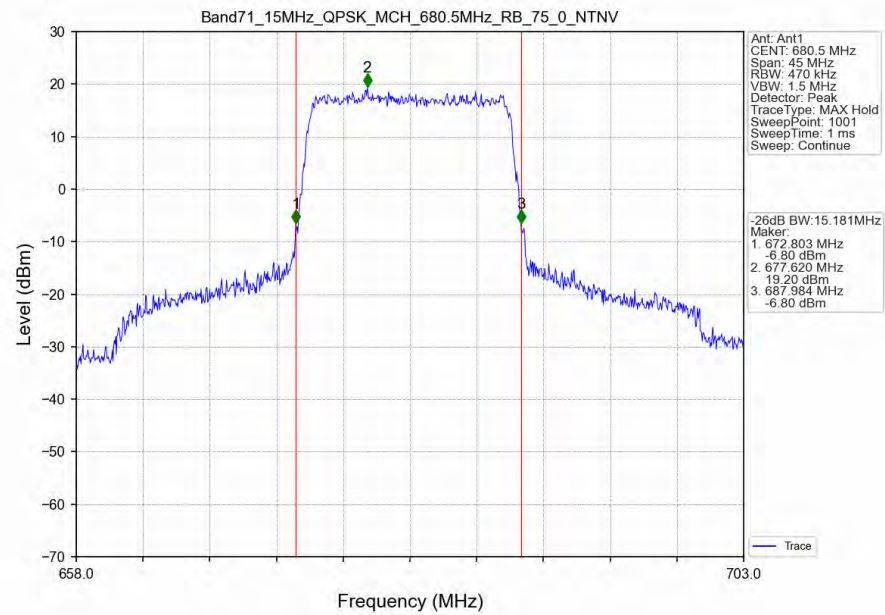
Band71_10MHz_64QAM_HCH_693MHz_RB_50_0_NTNV



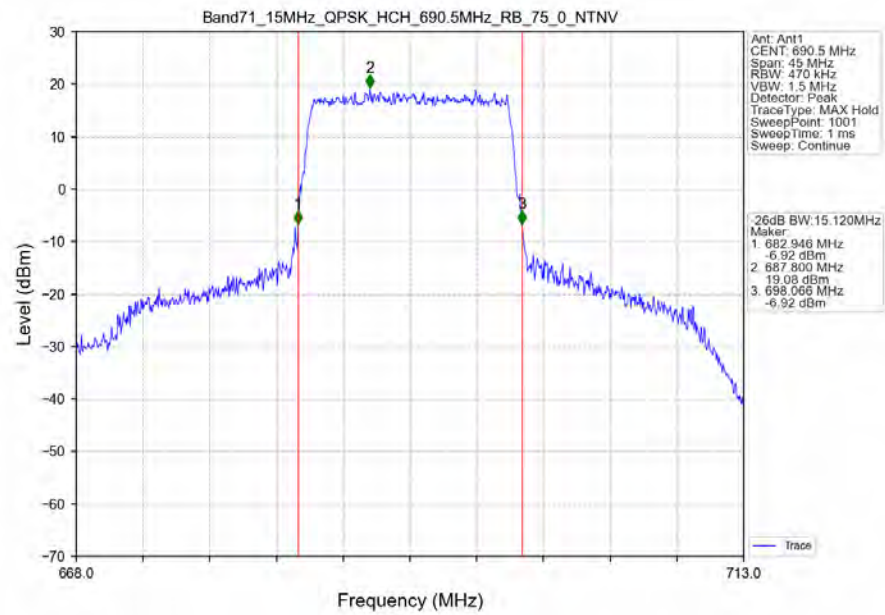
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



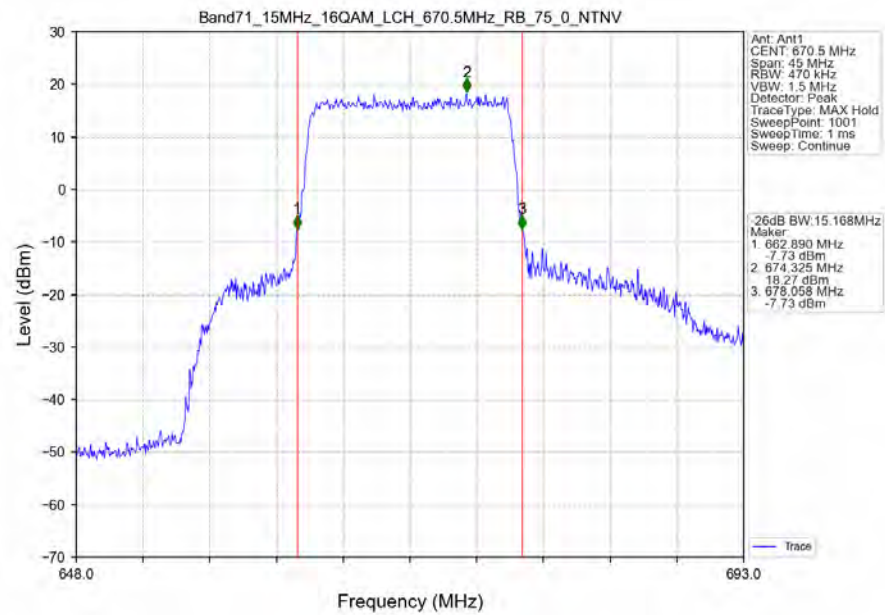
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



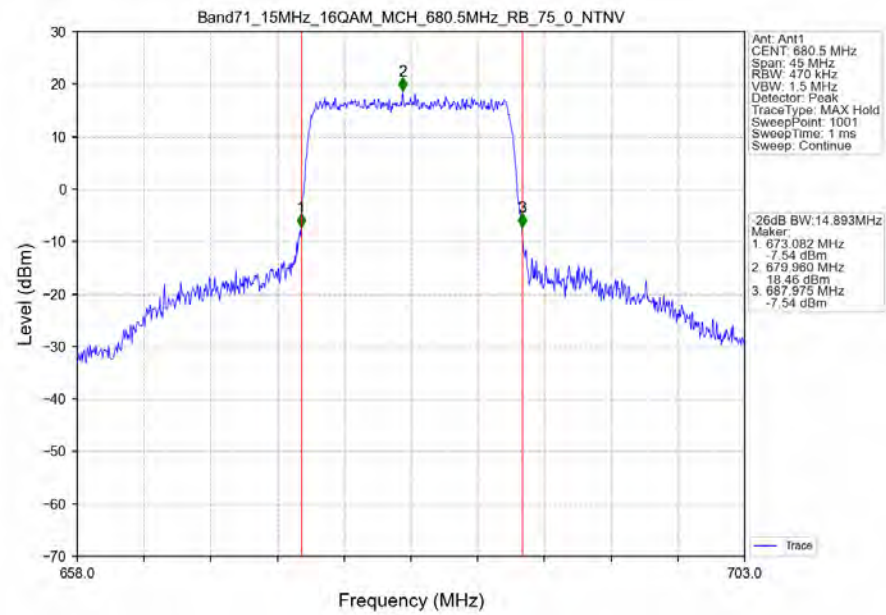
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



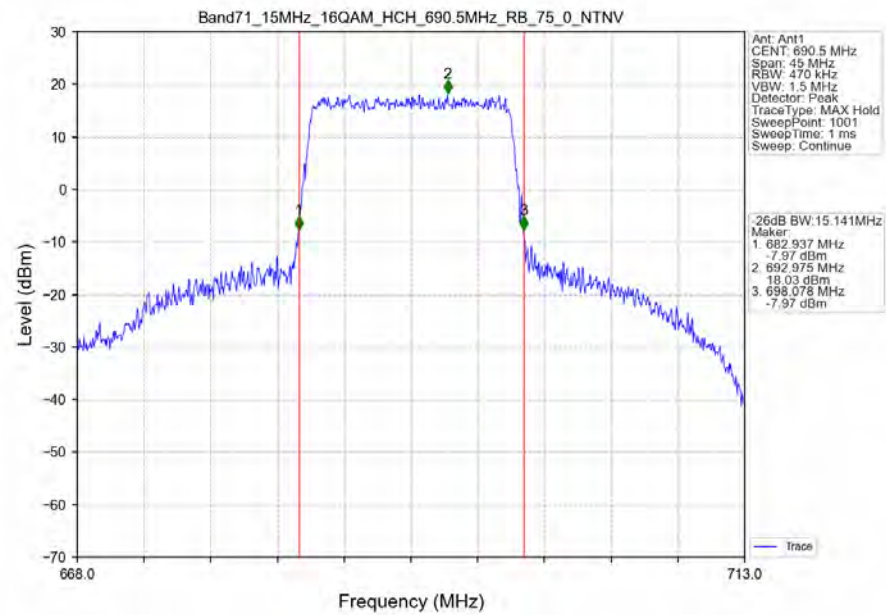
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



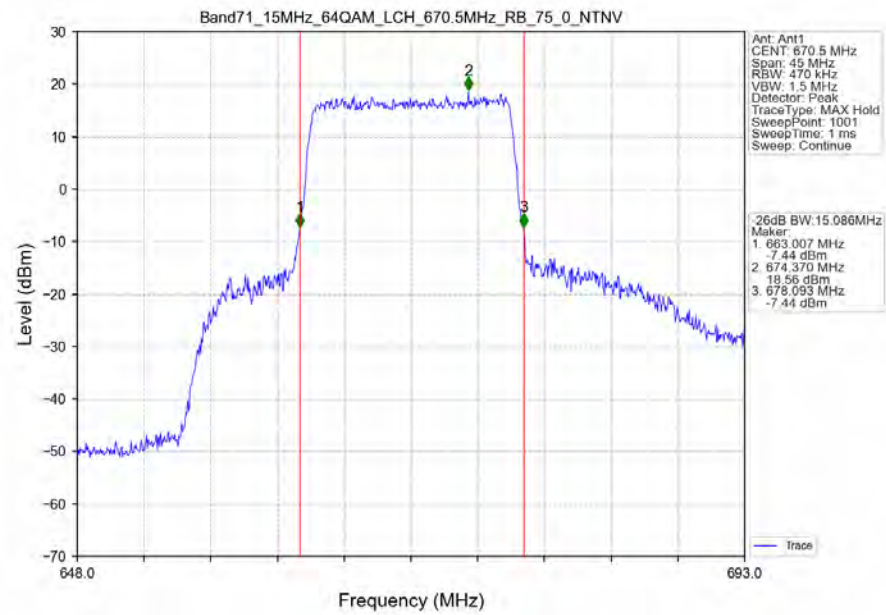
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



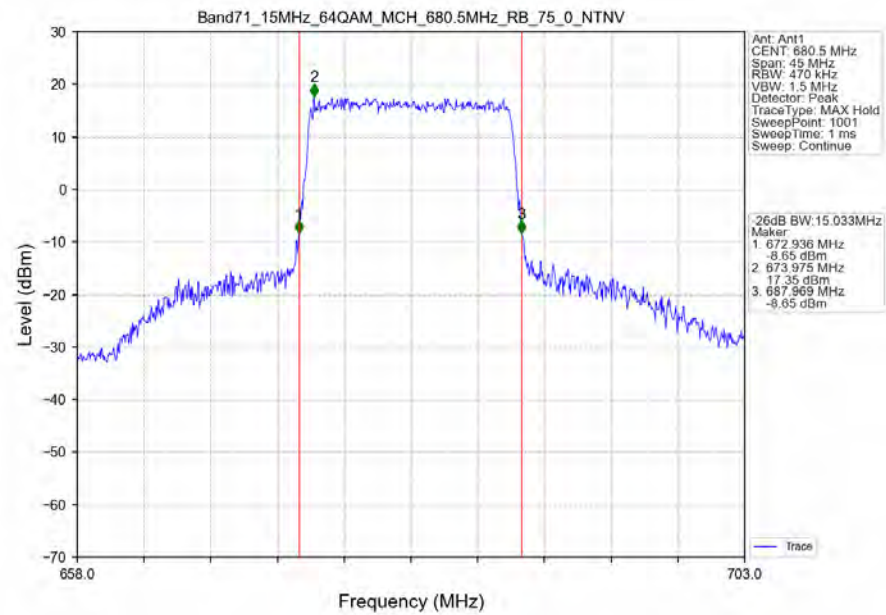
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



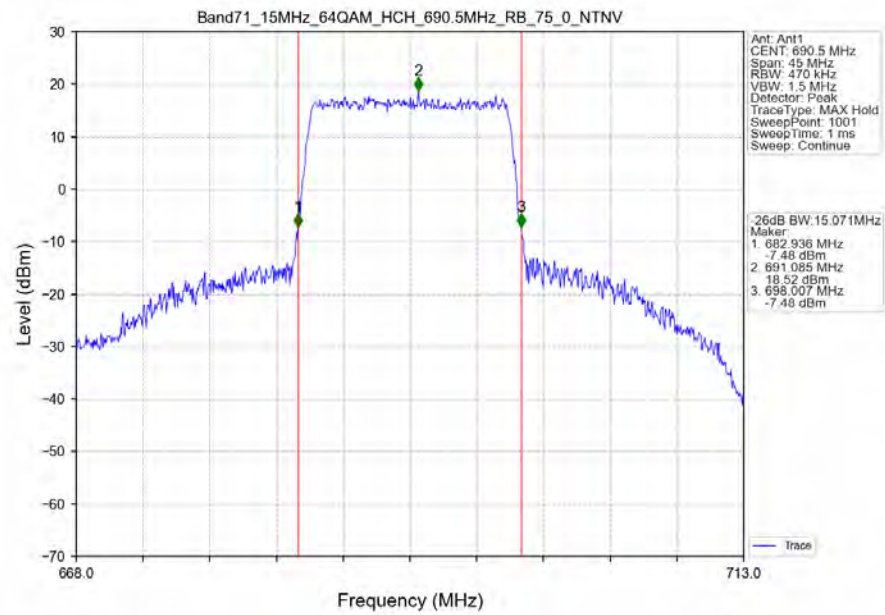
Band71_15MHz_64QAM_LCH_670.5MHz_RB_75_0_NTNV



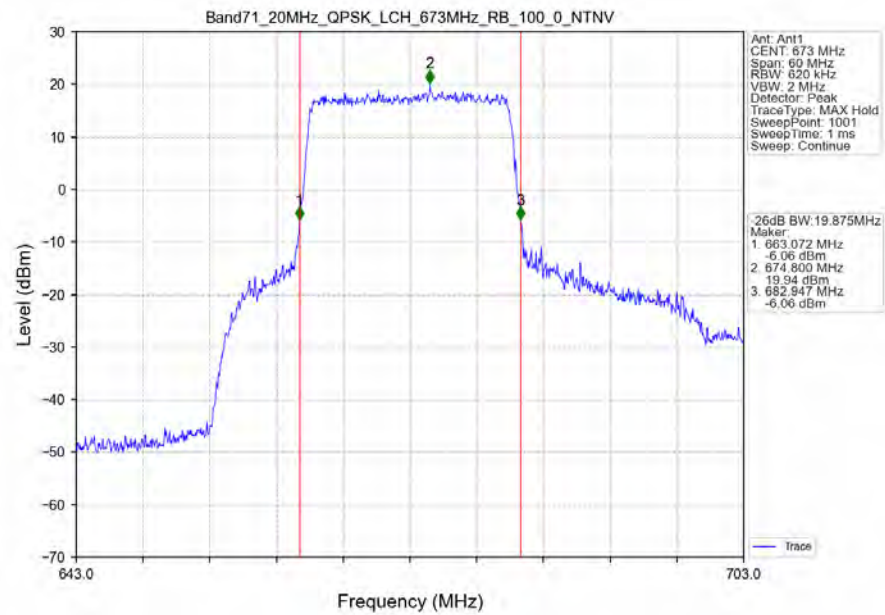
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



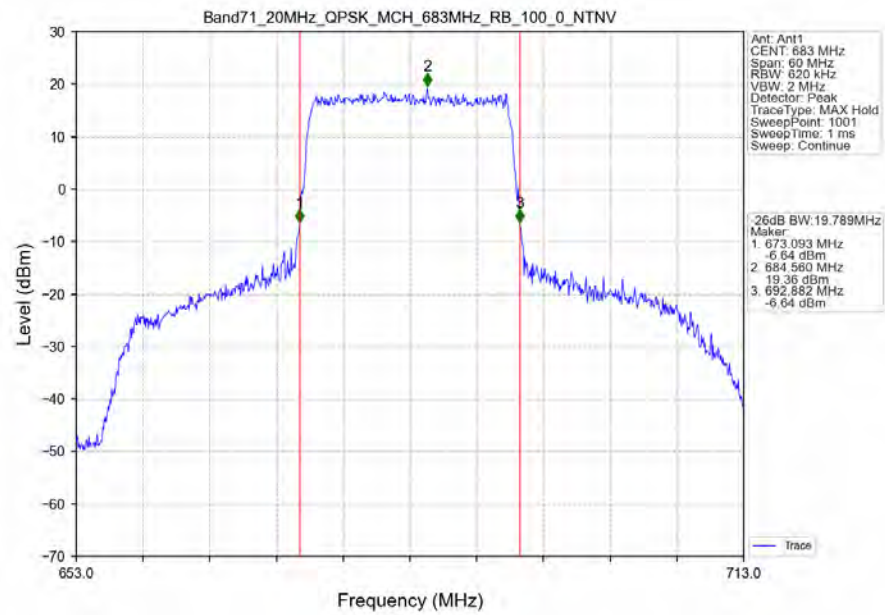
Band71_15MHz_64QAM_HCH_690.5MHz_RB_75_0_NTNV



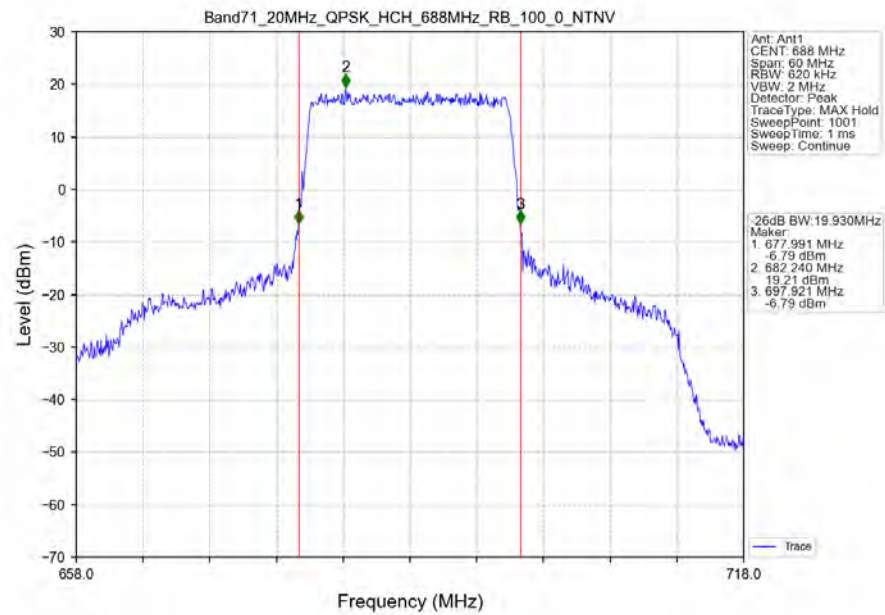
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



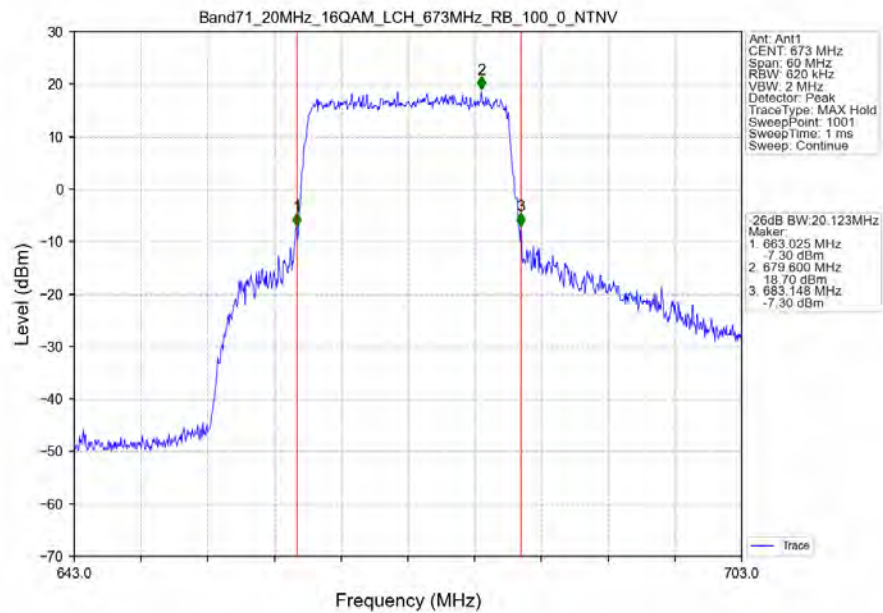
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



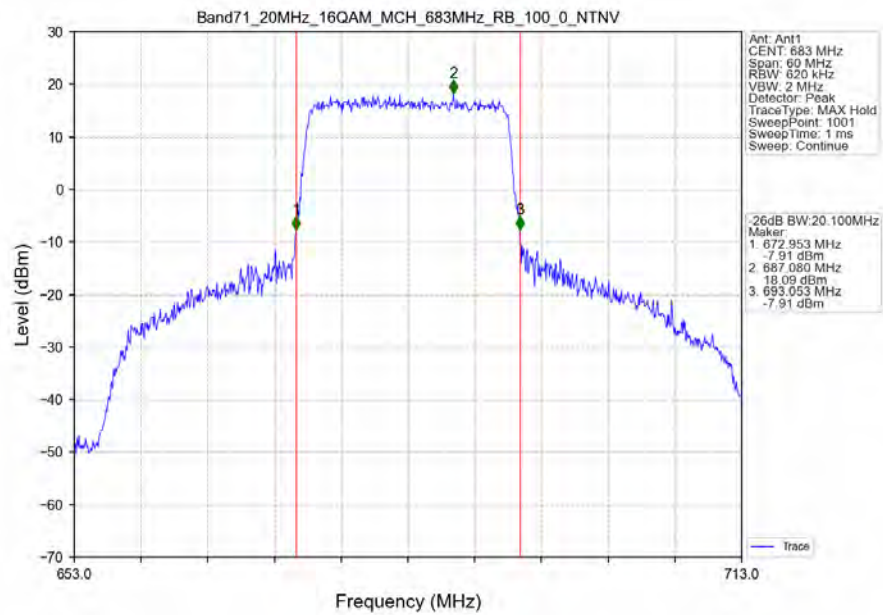
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



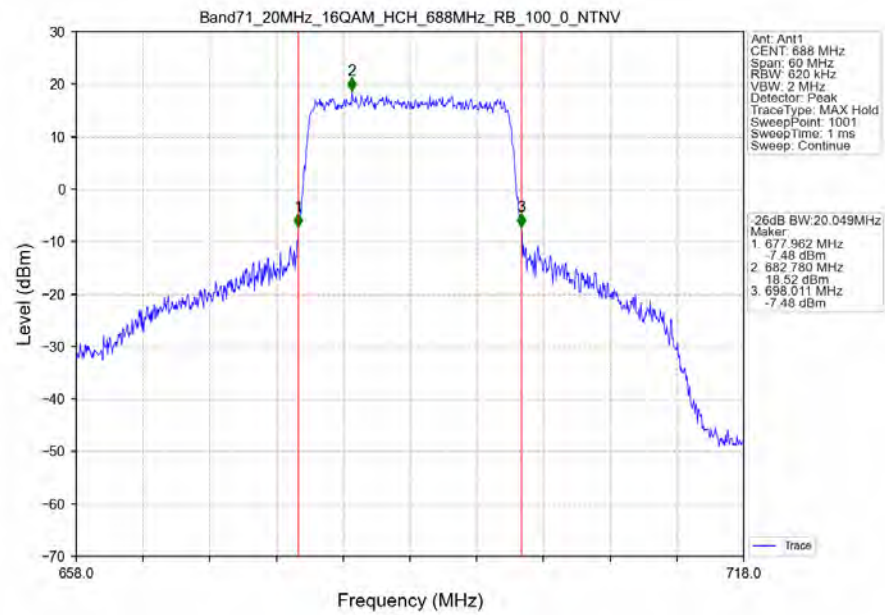
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



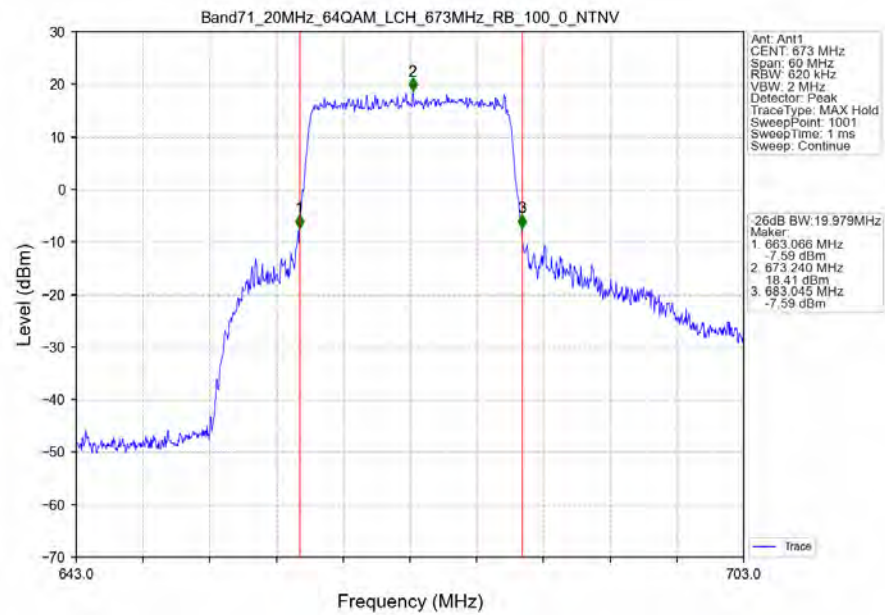
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



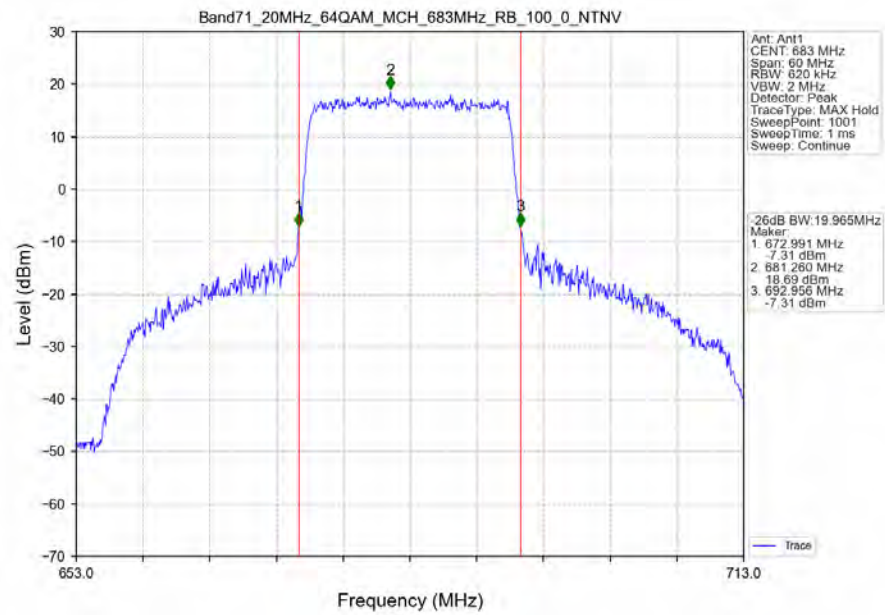
Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



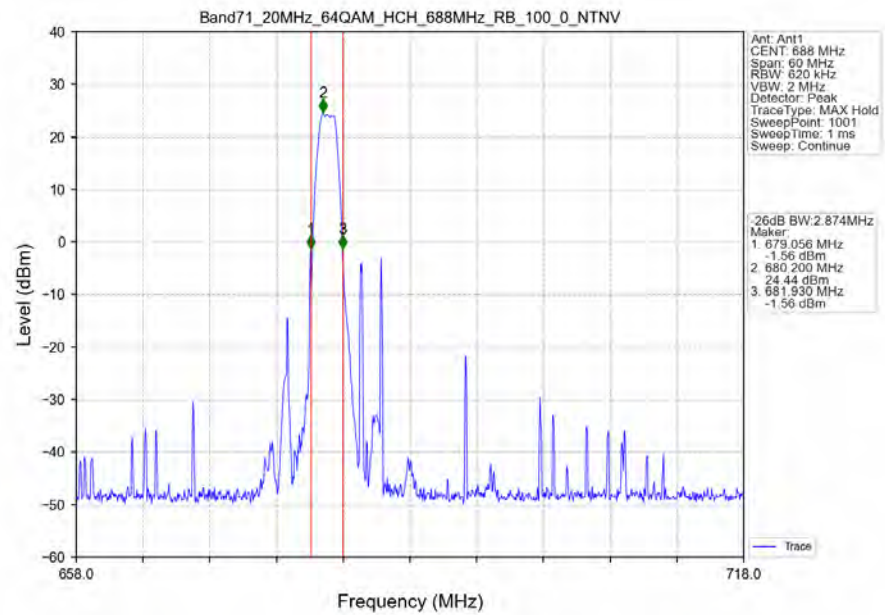
Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



4. Peak-Average Ratio

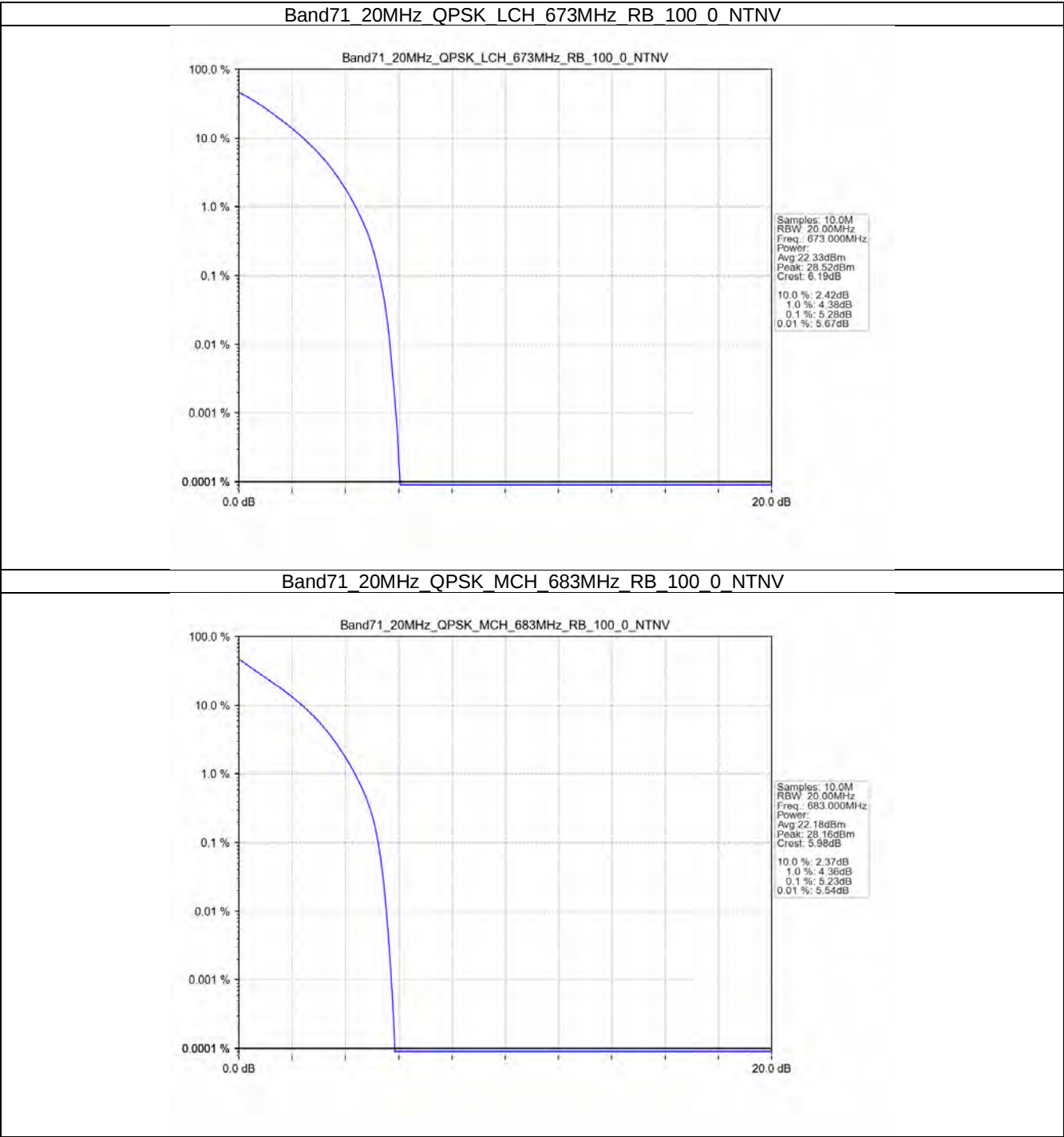
4.1 Test Result

4.1.1 B71_20MHz

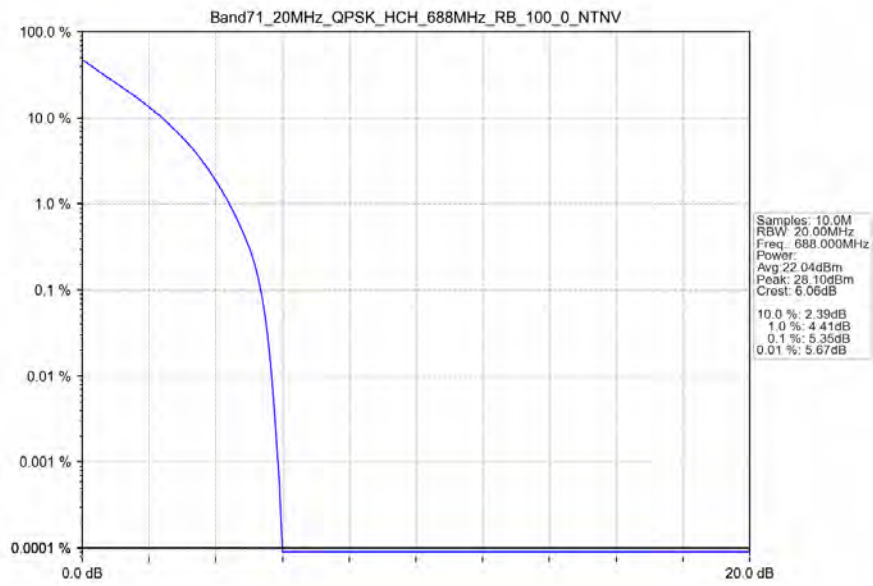
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.28	<=13	Pass
	683	100	0	5.23	<=13	Pass
	688	100	0	5.35	<=13	Pass
16QAM	673	100	0	6.07	<=13	Pass
	683	100	0	6.04	<=13	Pass
	688	100	0	6.02	<=13	Pass
64QAM	673	100	0	6.06	<=13	Pass
	683	100	0	6.02	<=13	Pass
	688	100	0	6.01	<=13	Pass

4.2 Test Graph

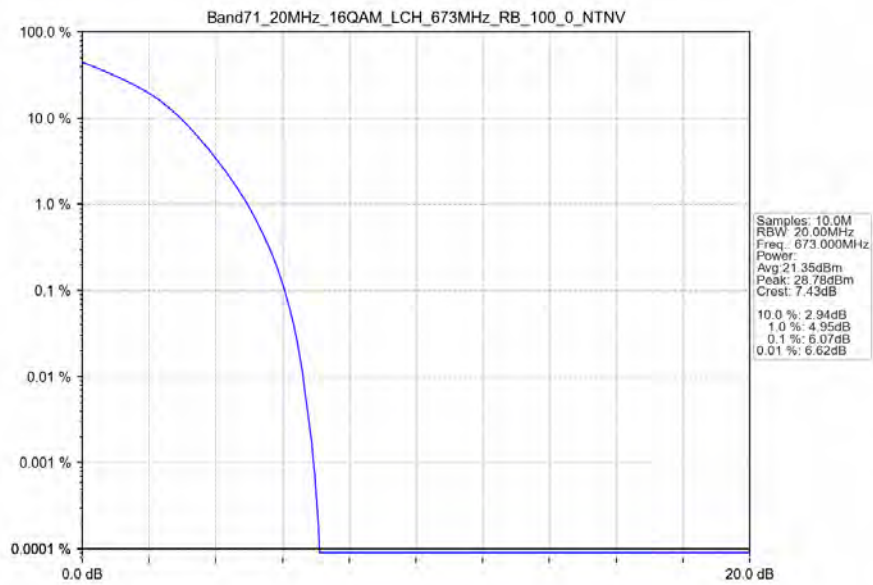
4.2.1 B71_20MHz



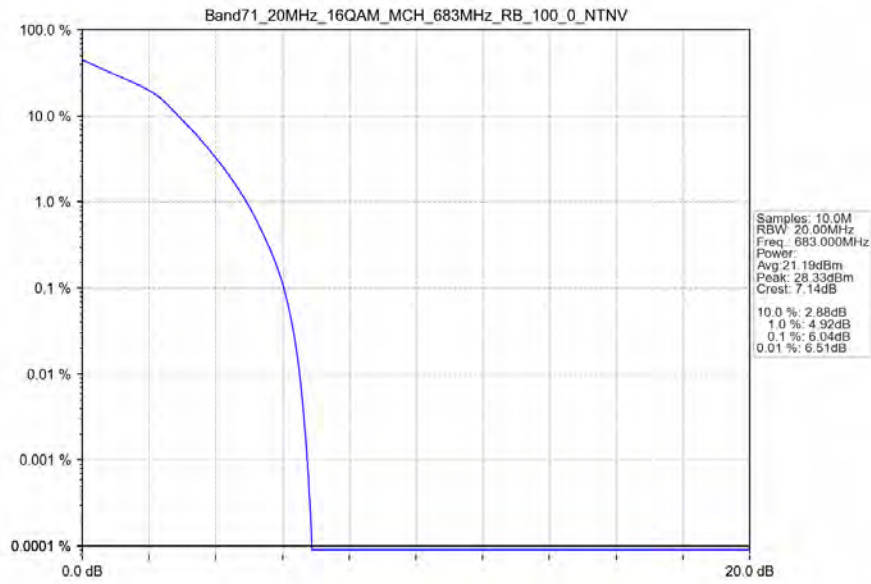
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



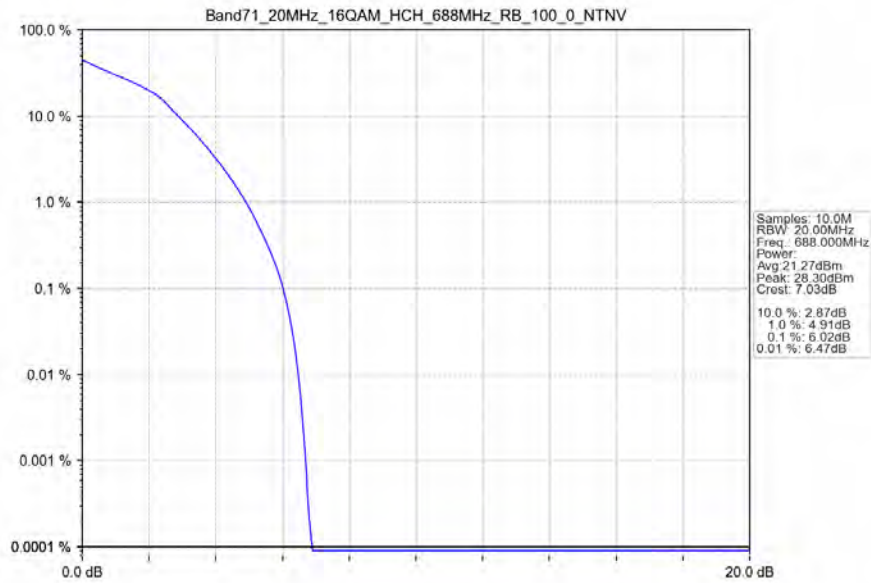
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



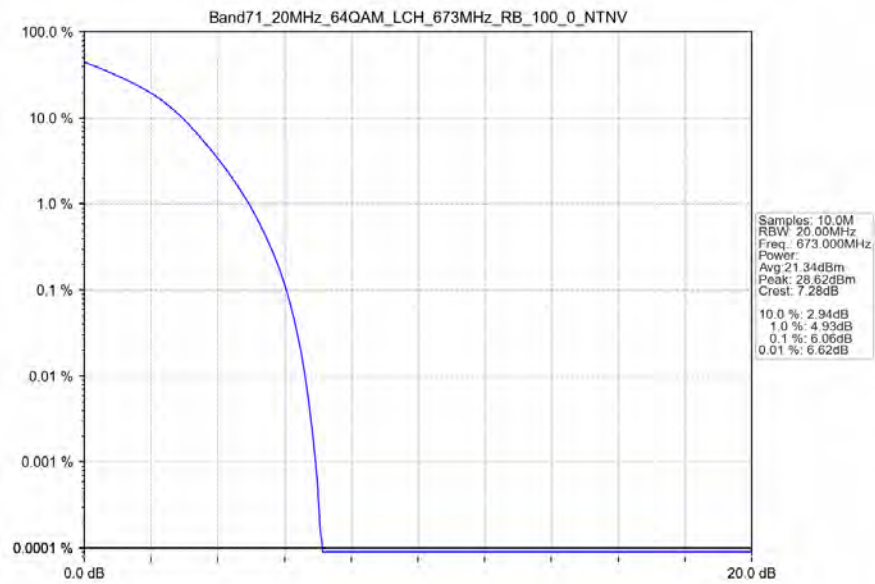
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



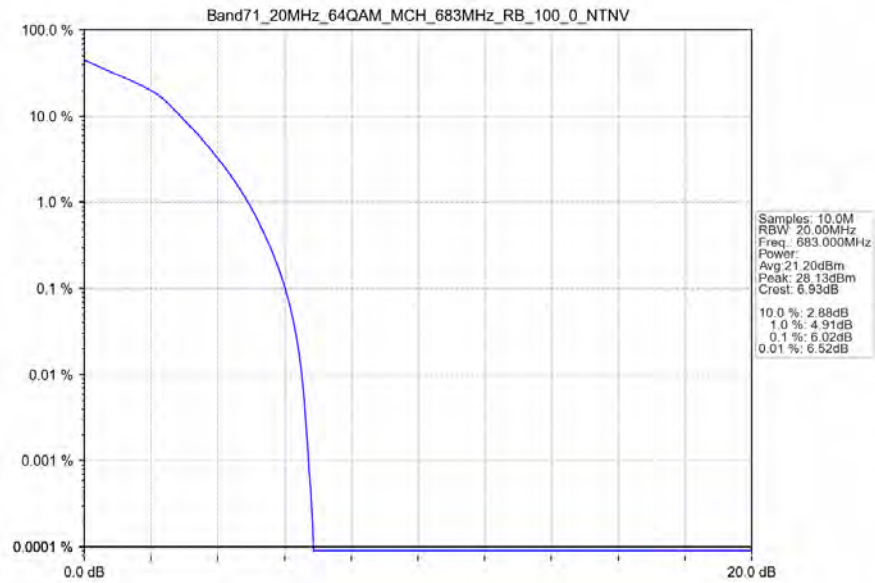
Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



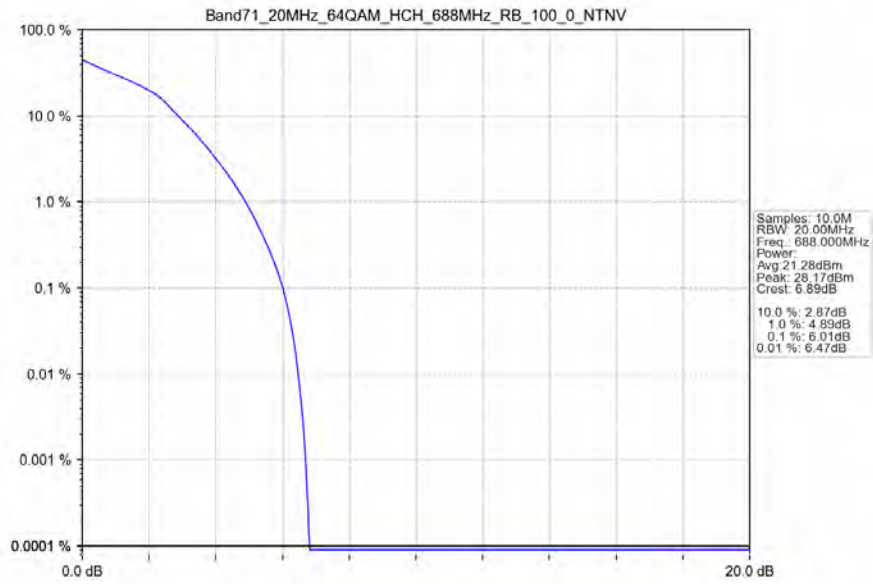
Band71_20MHz_64QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_HCH_688MHz_RB_100_0_NTNV



5. Spurious Emission & Band Edges

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B71_15MHz

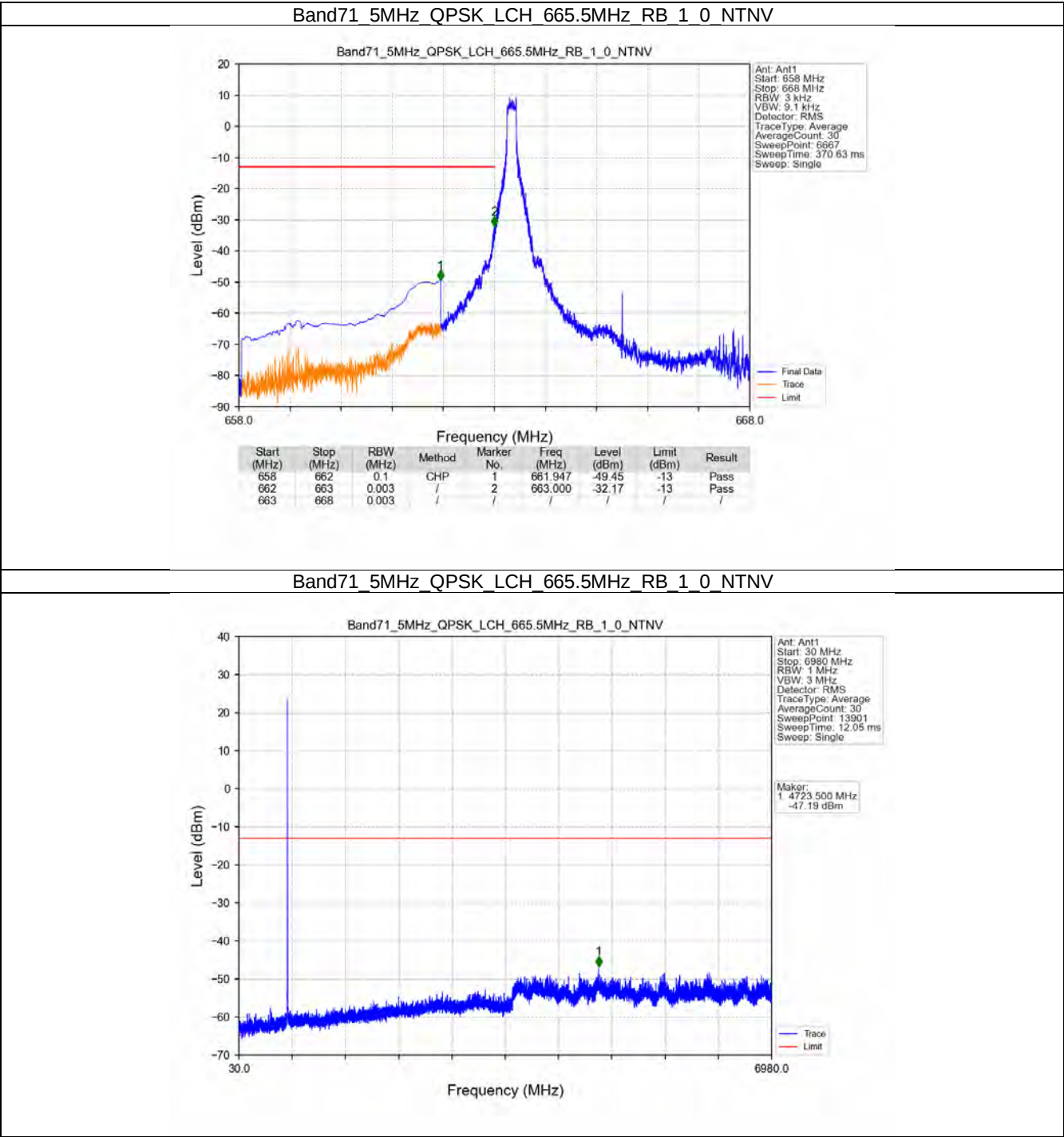
Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	690.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.4 B71_20MHz

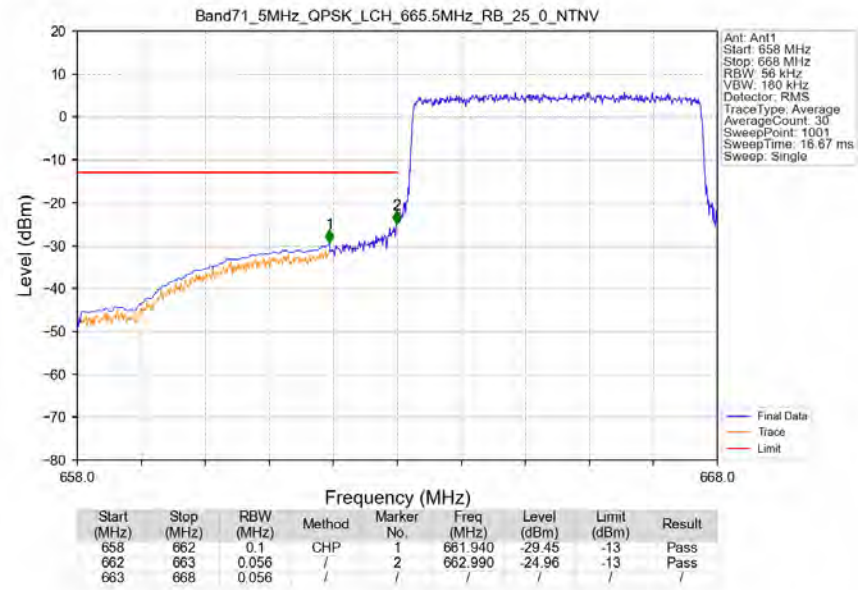
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

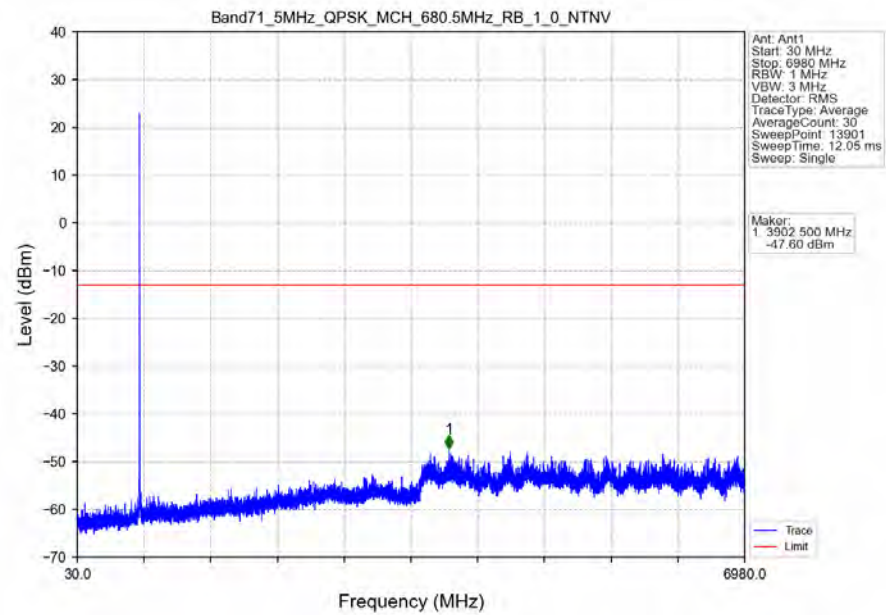
5.2.1 B71_5MHz



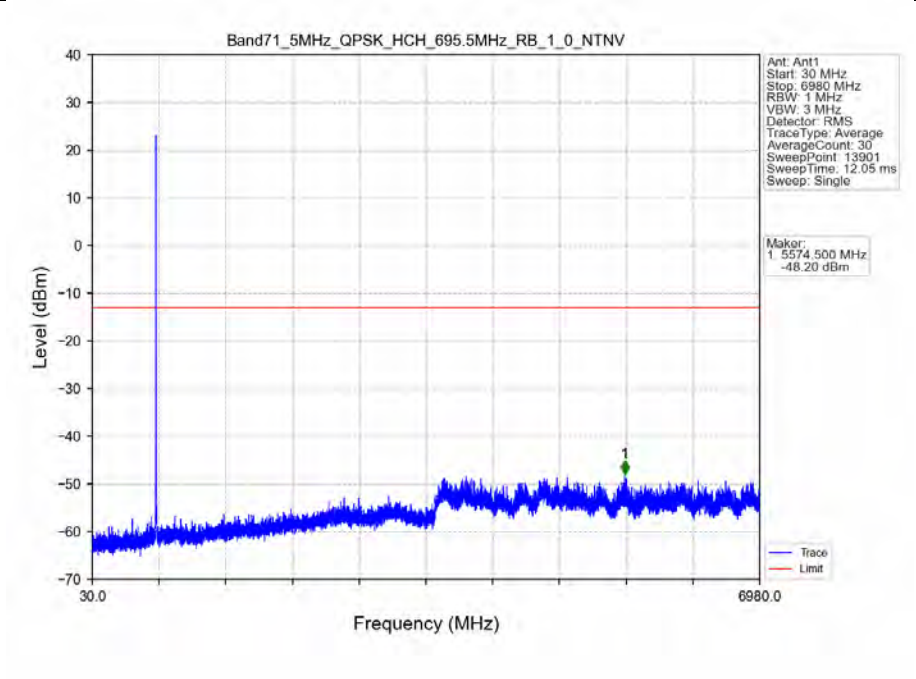
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



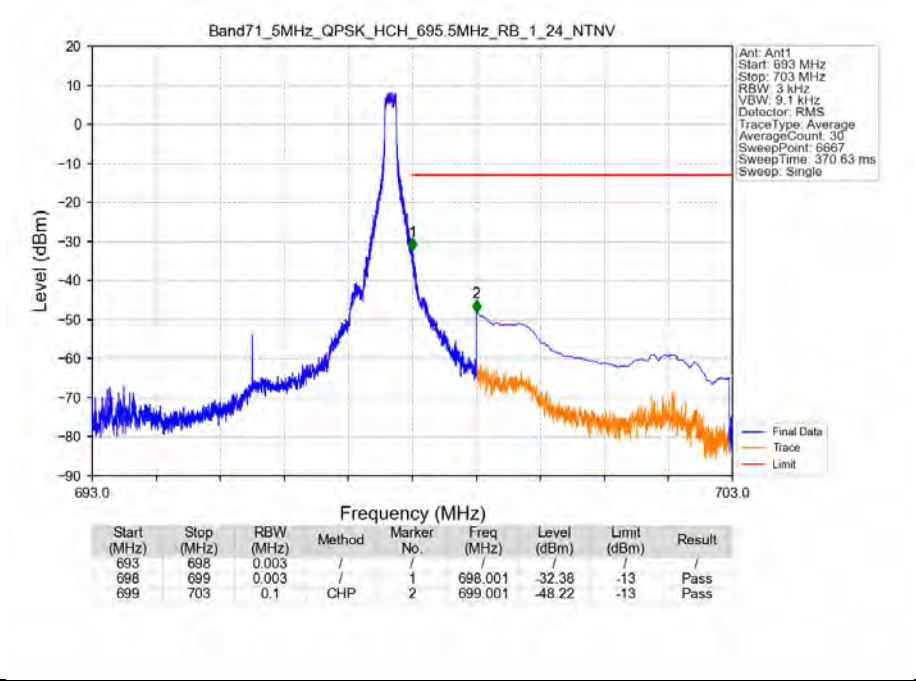
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



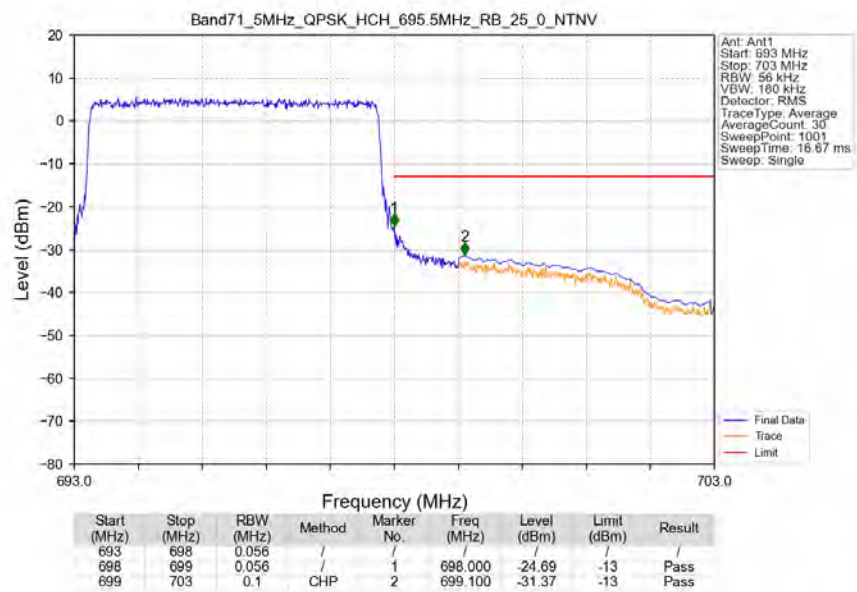
Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV

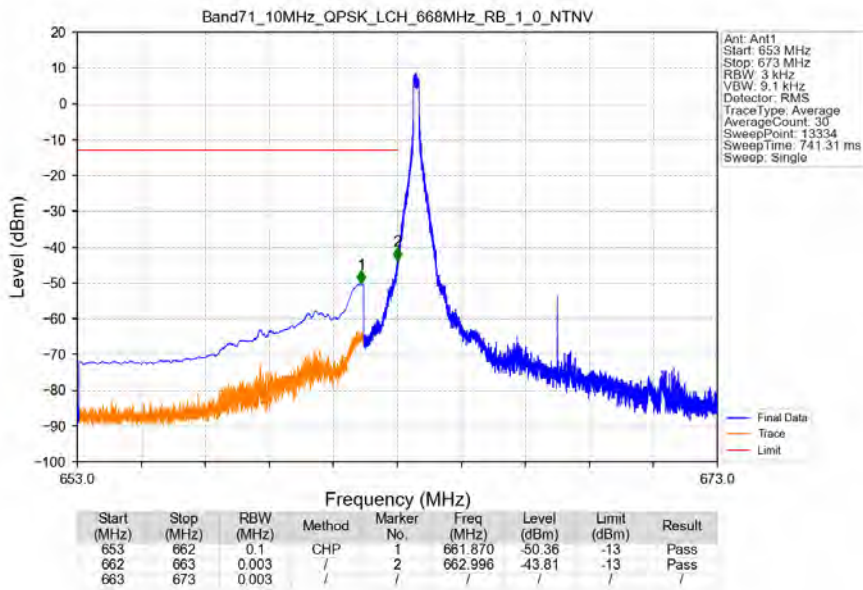


Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV

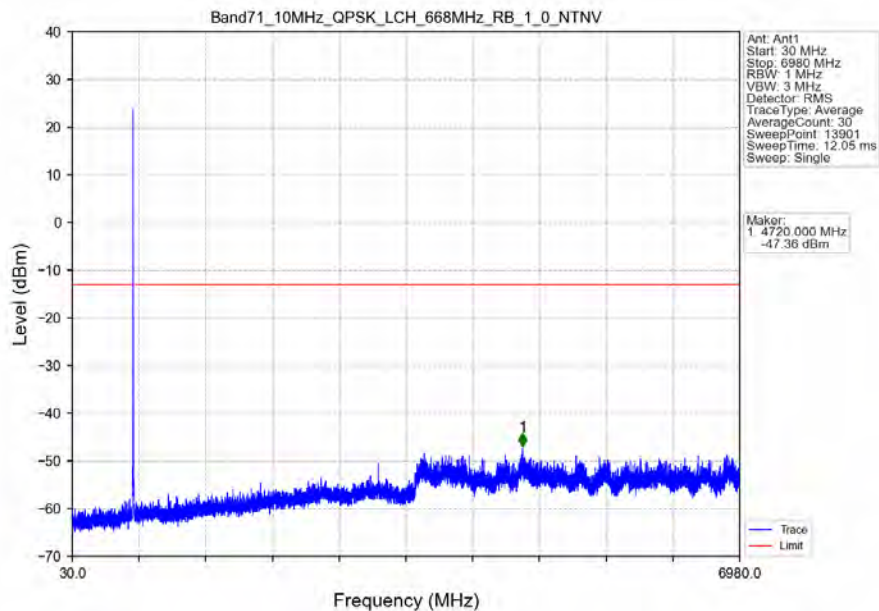


5.2.2 B71_10MHz

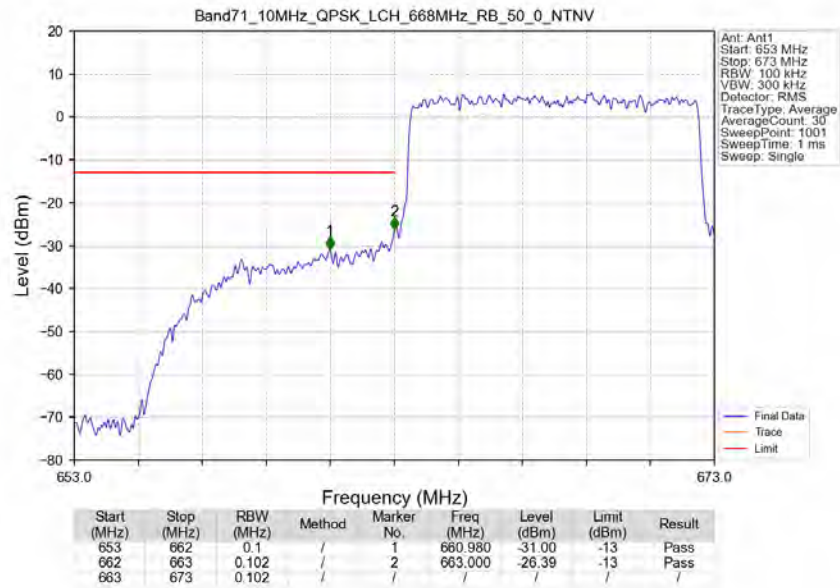
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



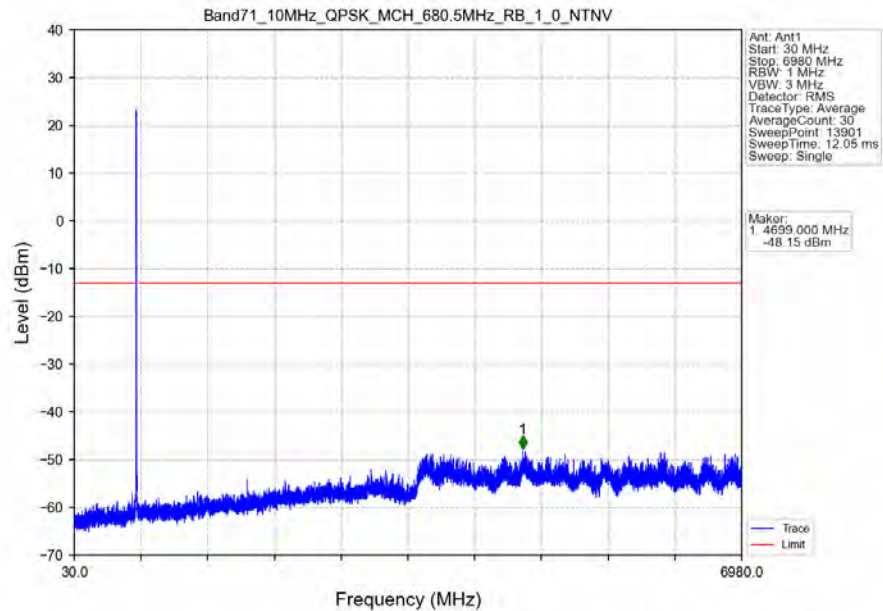
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



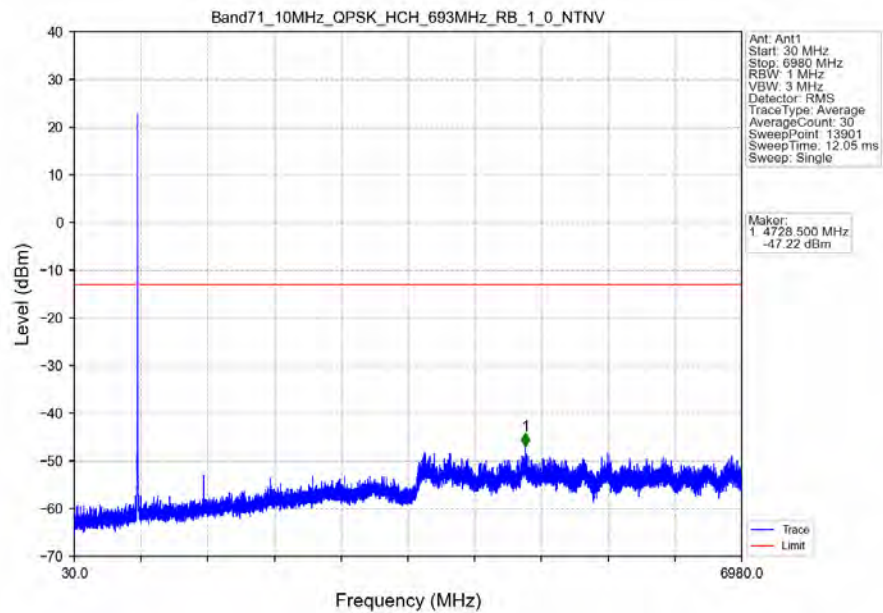
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



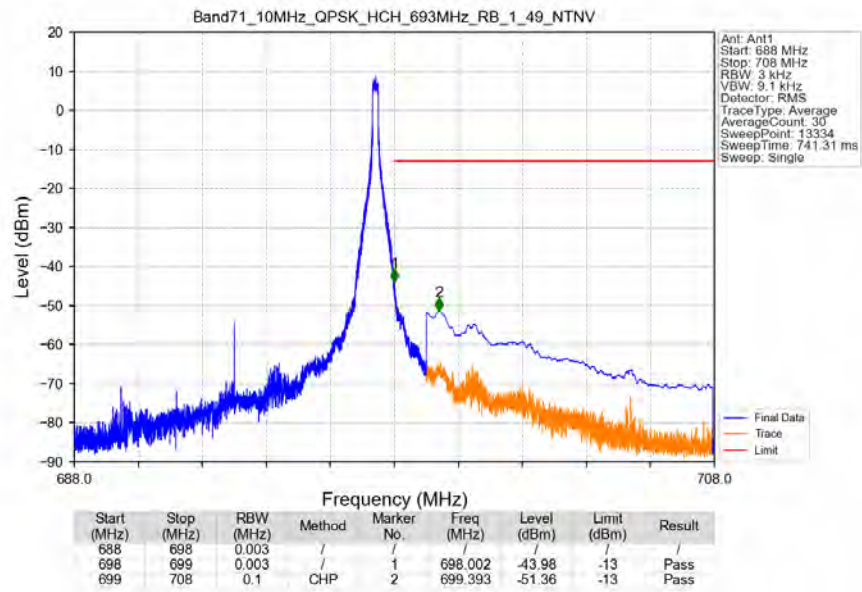
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



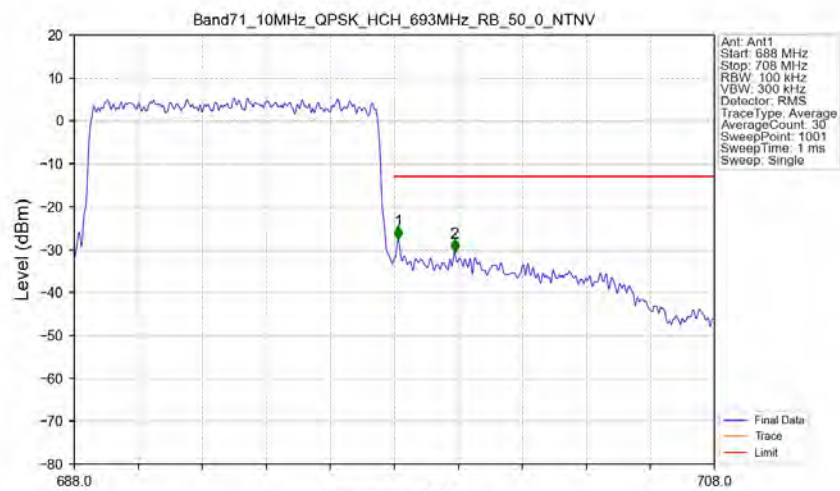
Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



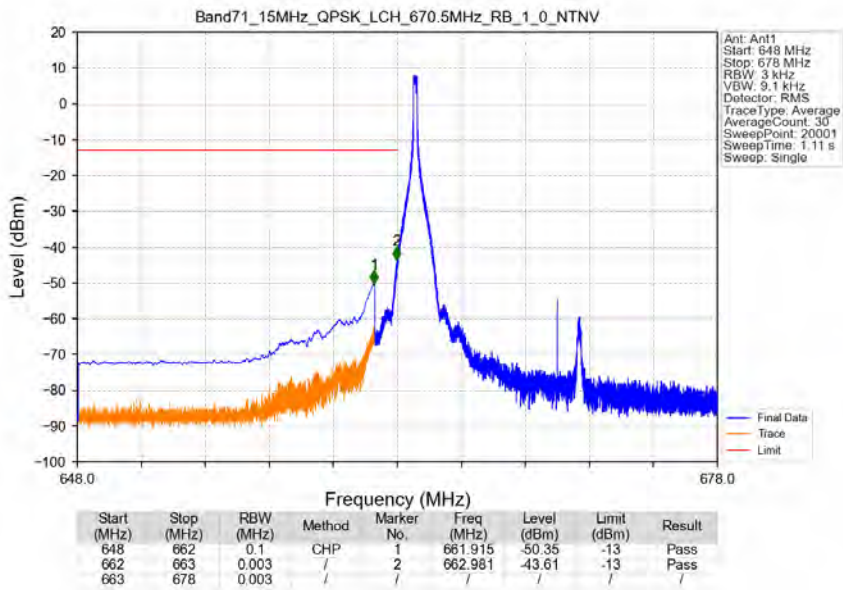
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



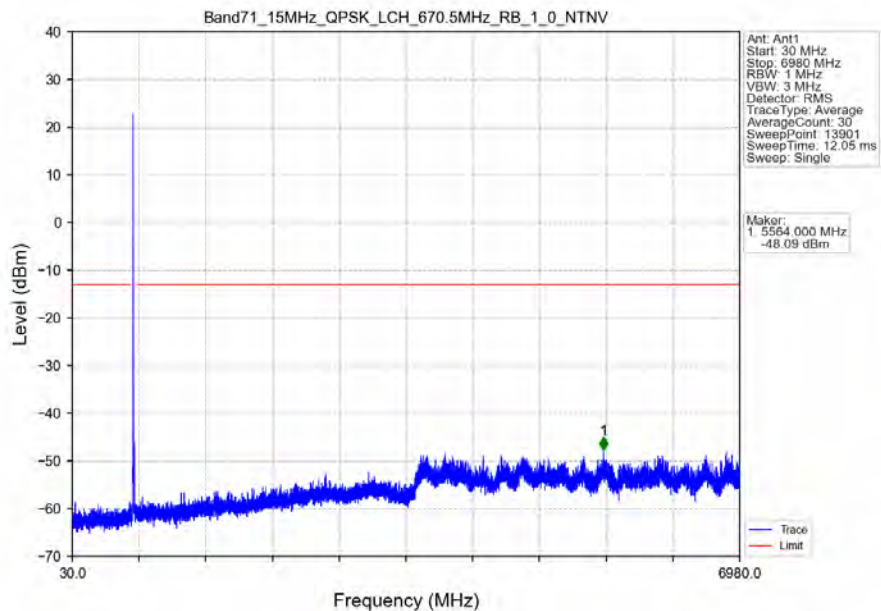
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.103	/	/	/	/	/	/
698	699	0.103	/	1	698.120	-27.68	-13	Pass
699	708	0.1	/	2	699.880	-30.69	-13	Pass

5.2.3 B71_15MHz

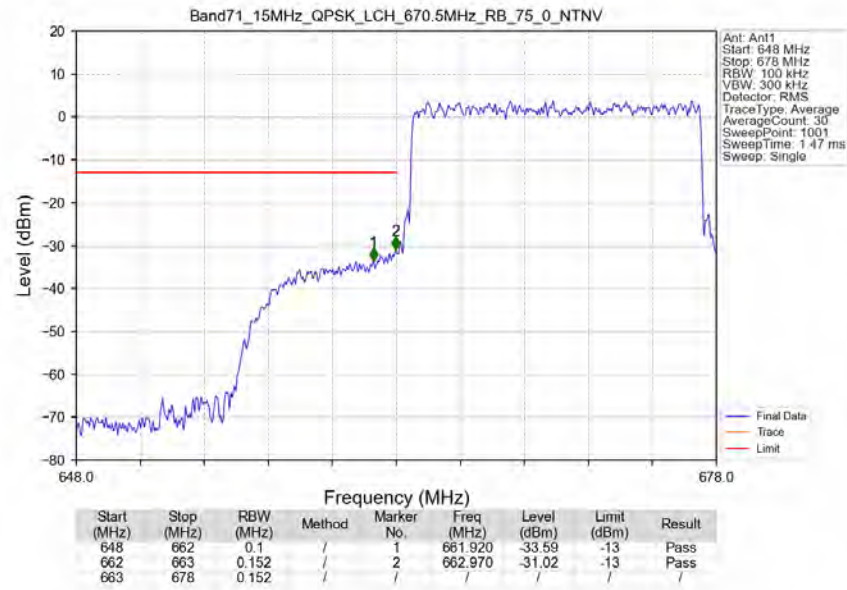
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTNV



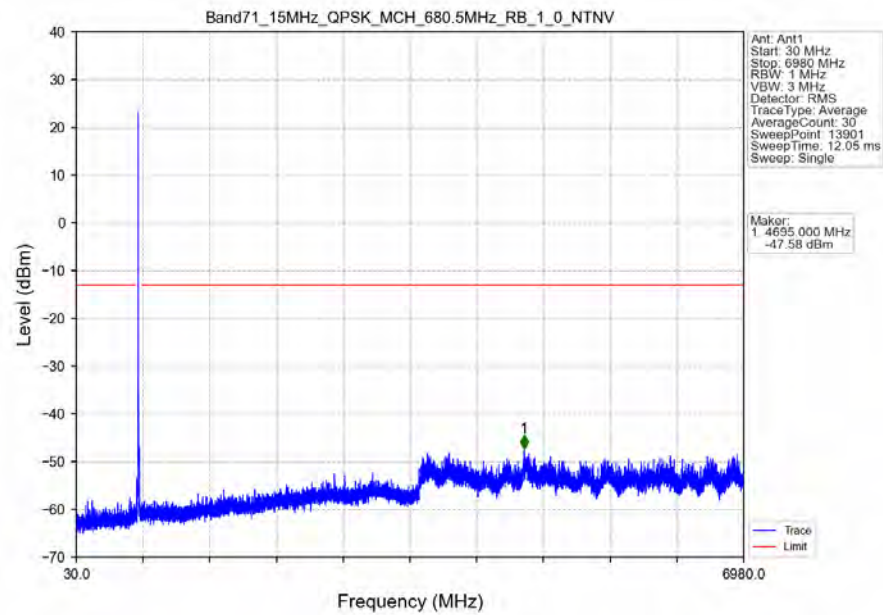
Band71 15MHz QPSK LCH 670.5MHz RB 1 0 NTNV



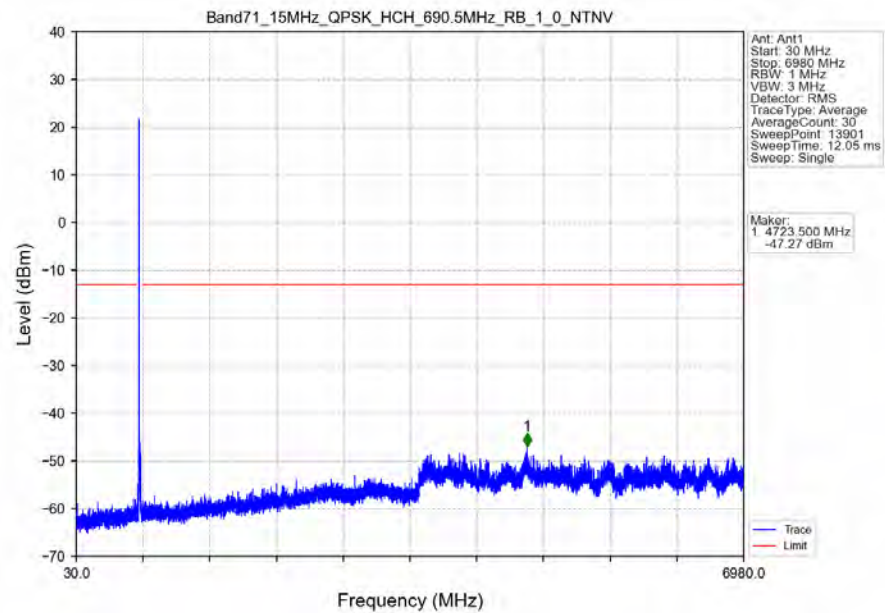
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



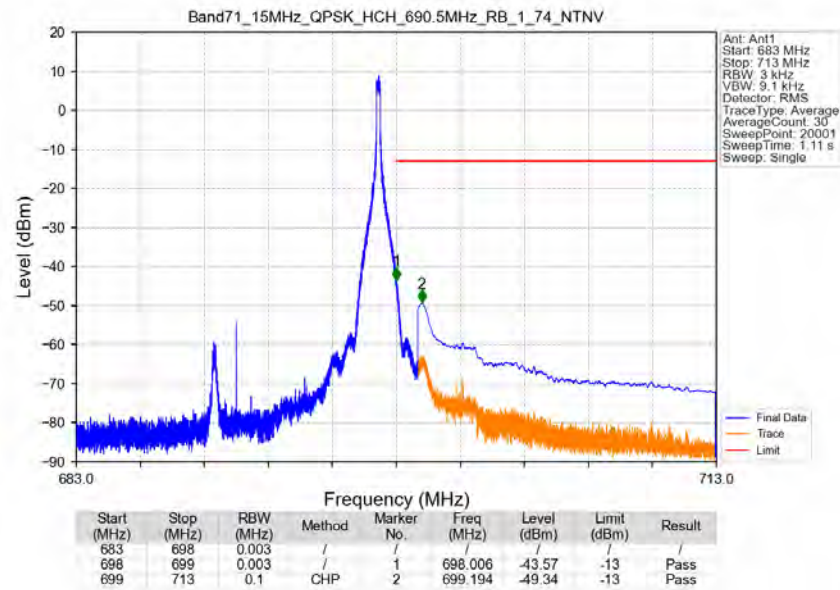
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



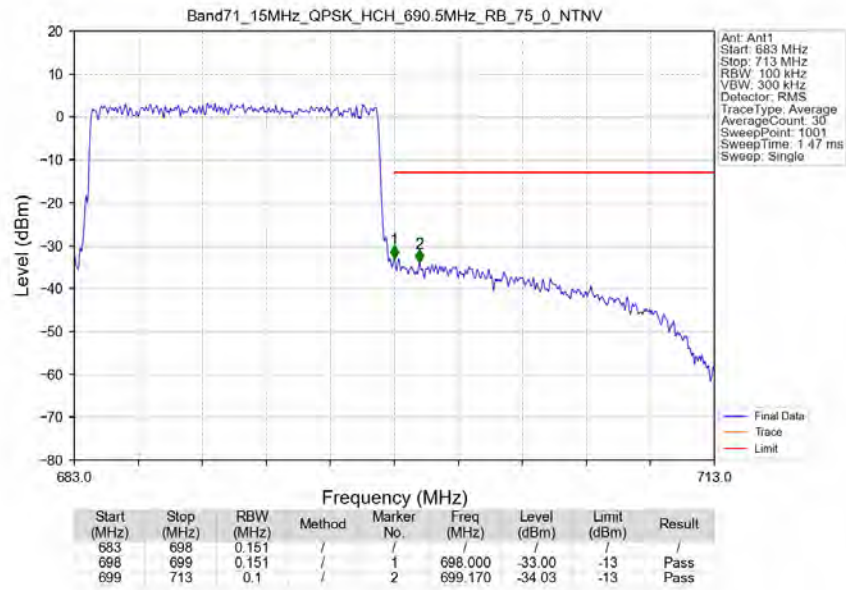
Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV

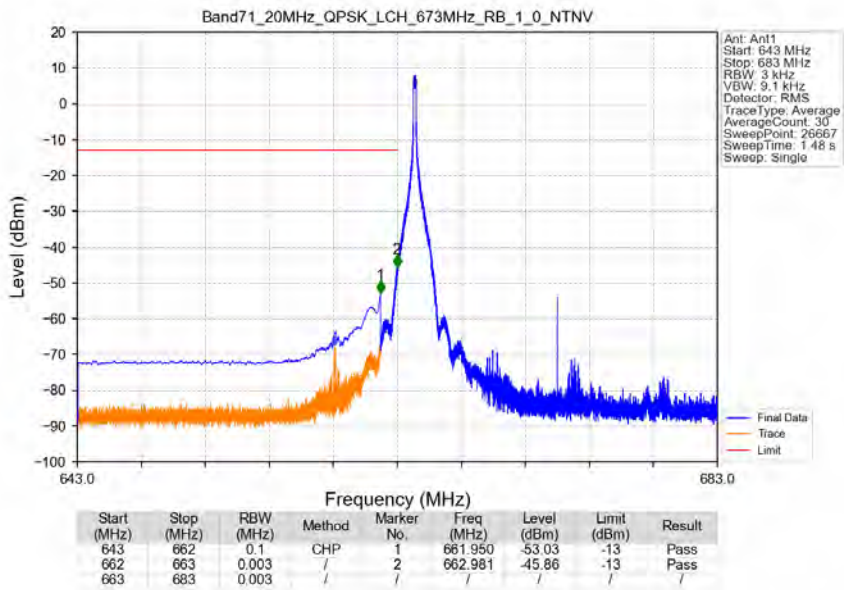


Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV

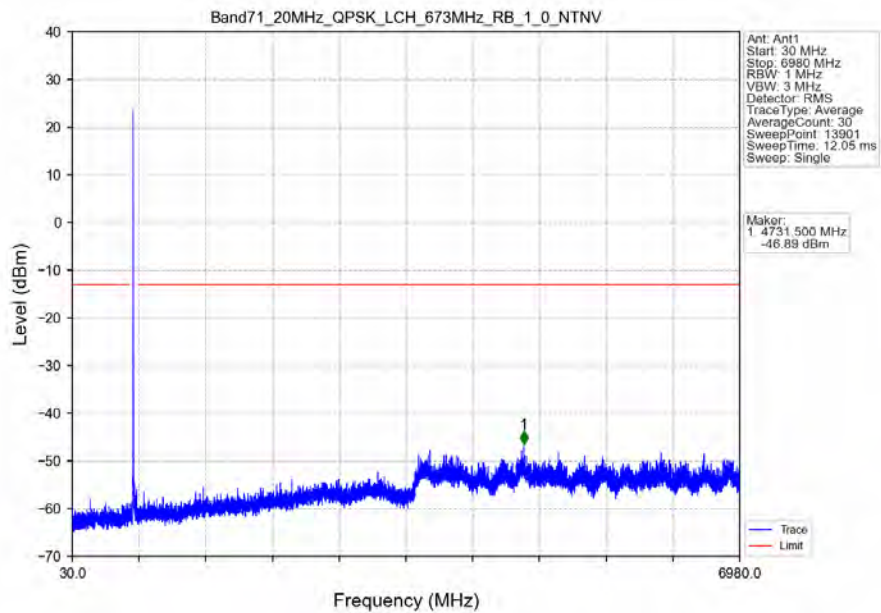


5.2.4 B71_20MHz

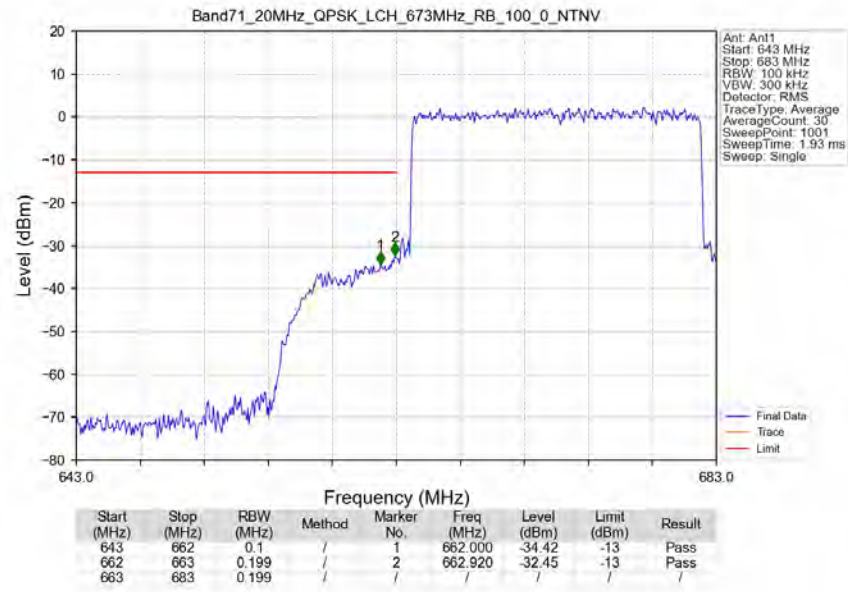
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



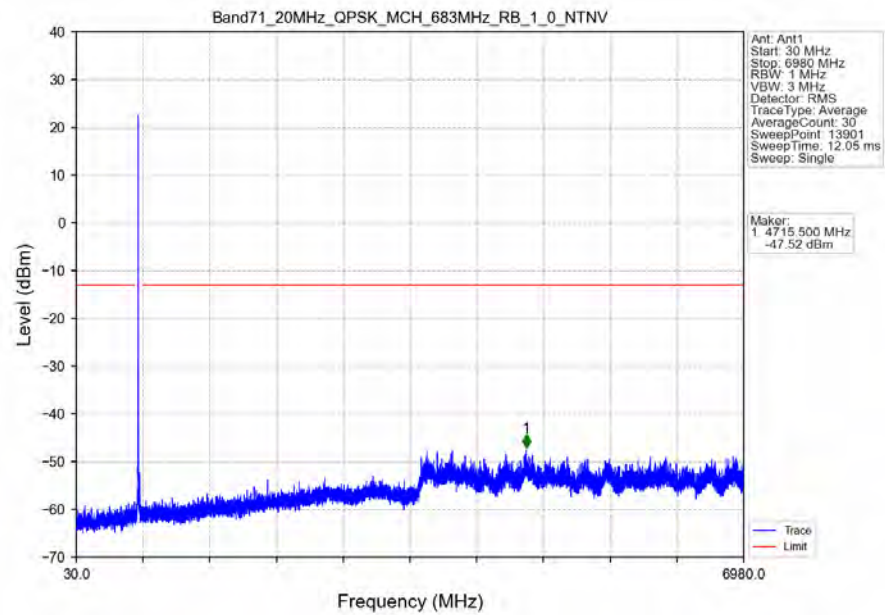
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



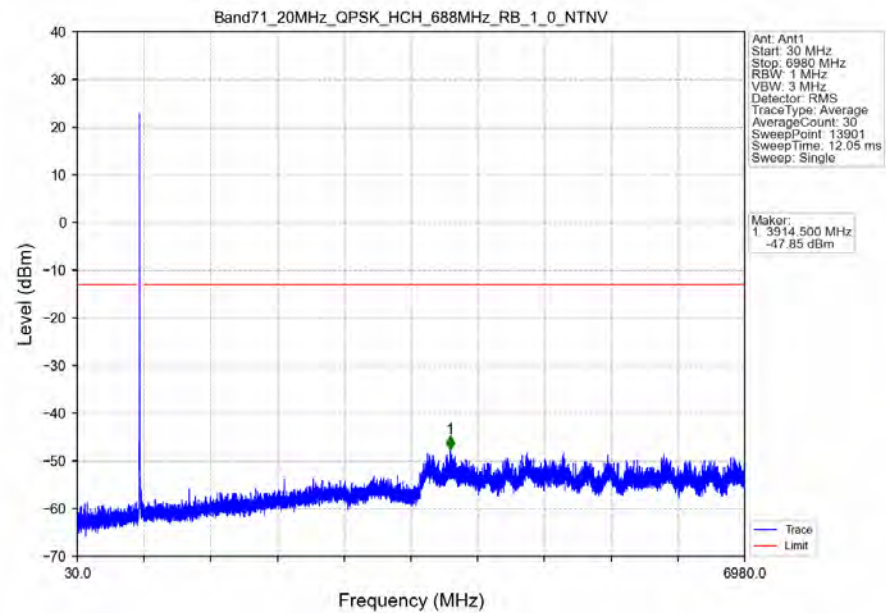
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



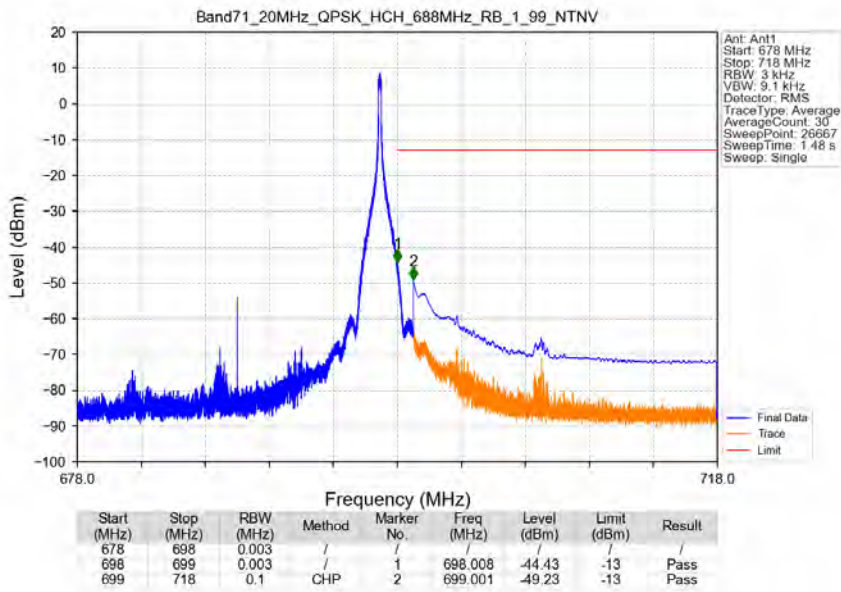
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



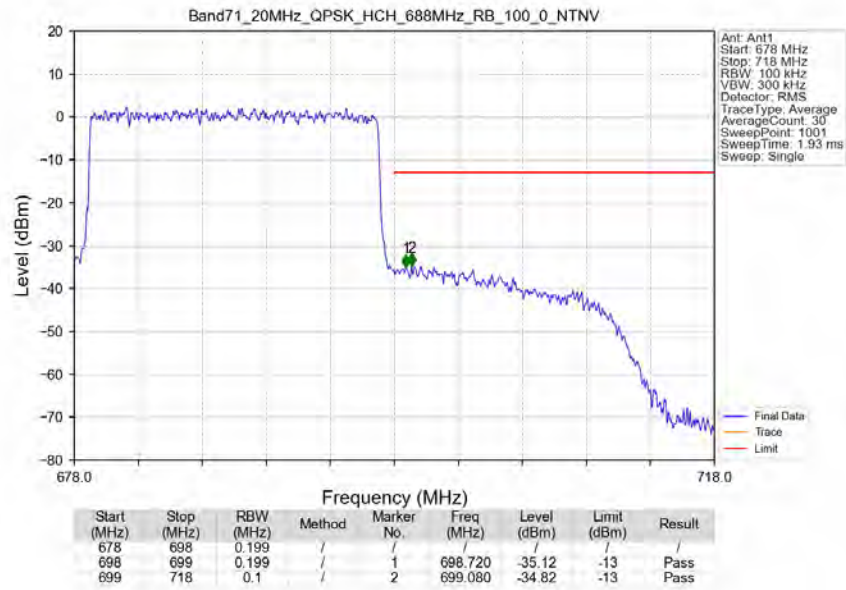
Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



6. Field Strength of Spurious Radiation

LTE Band 71-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1328.0	-54.77	-13	-41.77	-57.68	1.88	4.79	Horizontal	Pass
1992.0	-53.98	-13	-40.98	-56.28	2.34	4.64	Horizontal	Pass
2656.0	-55.65	-13	-42.65	-59.06	2.75	6.16	Horizontal	Pass
1328.0	-56.61	-13	-43.61	-59.52	1.88	4.79	Vertical	Pass
1992.0	-58.19	-13	-45.19	-60.49	2.34	4.64	Vertical	Pass
2656.0	-56.12	-13	-43.12	-59.53	2.75	6.16	Vertical	Pass

LTE Band 71-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1348.0	-56.82	-13	-43.82	-59.85	1.89	4.92	Horizontal	Pass
2022.0	-58.45	-13	-45.45	-60.76	2.36	4.67	Horizontal	Pass
2696.0	-55.26	-13	-42.26	-58.73	2.78	6.25	Horizontal	Pass
1348.0	-58.81	-13	-45.81	-61.84	1.89	4.92	Vertical	Pass
2022.0	-58.64	-13	-45.64	-60.95	2.36	4.67	Vertical	Pass
2696.0	-55.86	-13	-42.86	-59.33	2.78	6.25	Vertical	Pass

LTE Band 71-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1358.0	-42.72	-13	-29.72	-45.8	1.9	4.98	Horizontal	Pass
2037.0	-55.8	-13	-42.8	-58.14	2.37	4.71	Horizontal	Pass
2716.0	-54.93	-13	-41.93	-58.44	2.79	6.3	Horizontal	Pass
1358.0	-50.82	-13	-37.82	-53.9	1.9	4.98	Vertical	Pass
2037.0	-56.36	-13	-43.36	-58.7	2.37	4.71	Vertical	Pass
2716.0	-55.71	-13	-42.71	-59.22	2.79	6.3	Vertical	Pass

---End of Attachment---