

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B71_5MHz_ERP

Band: 71 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	665.5	1	0	23.27	-4.80	16.32	<=34.77	Pass
			13	23.34	-4.80	16.39	<=34.77	Pass
			24	23.23	-4.80	16.28	<=34.77	Pass
		12	0	22.26	-4.80	15.31	<=34.77	Pass
			6	22.33	-4.80	15.38	<=34.77	Pass
			13	22.31	-4.80	15.36	<=34.77	Pass
		25	0	22.29	-4.80	15.34	<=34.77	Pass
	680.5	1	0	23.24	-4.80	16.29	<=34.77	Pass
			13	23.32	-4.80	16.37	<=34.77	Pass
			24	23.22	-4.80	16.27	<=34.77	Pass
		12	0	22.24	-4.80	15.29	<=34.77	Pass
			6	22.24	-4.80	15.29	<=34.77	Pass
			13	22.29	-4.80	15.34	<=34.77	Pass
		25	0	22.21	-4.80	15.26	<=34.77	Pass
	695.5	1	0	23.13	-4.80	16.18	<=34.77	Pass
			13	23.13	-4.80	16.18	<=34.77	Pass
			24	23.07	-4.80	16.12	<=34.77	Pass
		12	0	22.10	-4.80	15.15	<=34.77	Pass
			6	22.07	-4.80	15.12	<=34.77	Pass
			13	22.11	-4.80	15.16	<=34.77	Pass
		25	0	22.07	-4.80	15.12	<=34.77	Pass
16QAM	665.5	1	0	22.33	-4.80	15.38	<=34.77	Pass
			13	22.42	-4.80	15.47	<=34.77	Pass
			24	22.34	-4.80	15.39	<=34.77	Pass
		12	0	21.25	-4.80	14.30	<=34.77	Pass
			6	21.34	-4.80	14.39	<=34.77	Pass
			13	21.31	-4.80	14.36	<=34.77	Pass
		25	0	21.32	-4.80	14.37	<=34.77	Pass
	680.5	1	0	22.31	-4.80	15.36	<=34.77	Pass
			13	22.41	-4.80	15.46	<=34.77	Pass
			24	22.34	-4.80	15.39	<=34.77	Pass
		12	0	21.27	-4.80	14.32	<=34.77	Pass
			6	21.25	-4.80	14.30	<=34.77	Pass
			13	21.29	-4.80	14.34	<=34.77	Pass
		25	0	21.26	-4.80	14.31	<=34.77	Pass
	695.5	1	0	22.28	-4.80	15.33	<=34.77	Pass
			13	22.45	-4.80	15.50	<=34.77	Pass
			24	22.33	-4.80	15.38	<=34.77	Pass
		12	0	21.09	-4.80	14.14	<=34.77	Pass
			6	21.09	-4.80	14.14	<=34.77	Pass
			13	21.14	-4.80	14.19	<=34.77	Pass
		25	0	21.10	-4.80	14.15	<=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	23.31	-4.80	16.36	<=34.77	Pass
			25	23.33	-4.80	16.38	<=34.77	Pass
			49	23.32	-4.80	16.37	<=34.77	Pass
		25	0	22.31	-4.80	15.36	<=34.77	Pass
			13	22.40	-4.80	15.45	<=34.77	Pass
			25	22.38	-4.80	15.43	<=34.77	Pass
		50	0	22.40	-4.80	15.45	<=34.77	Pass
	680.5	1	0	23.20	-4.80	16.25	<=34.77	Pass
			25	23.26	-4.80	16.31	<=34.77	Pass
			49	23.21	-4.80	16.26	<=34.77	Pass
		25	0	22.26	-4.80	15.31	<=34.77	Pass
			13	22.29	-4.80	15.34	<=34.77	Pass
			25	22.32	-4.80	15.37	<=34.77	Pass
		50	0	22.31	-4.80	15.36	<=34.77	Pass
	693	1	0	23.14	-4.80	16.19	<=34.77	Pass
			25	23.11	-4.80	16.16	<=34.77	Pass
			49	22.99	-4.80	16.04	<=34.77	Pass
		25	0	22.13	-4.80	15.18	<=34.77	Pass
			13	22.23	-4.80	15.28	<=34.77	Pass
			25	22.18	-4.80	15.23	<=34.77	Pass
		50	0	22.24	-4.80	15.29	<=34.77	Pass
16QAM	668	1	0	22.28	-4.80	15.33	<=34.77	Pass
			25	22.32	-4.80	15.37	<=34.77	Pass
			49	22.30	-4.80	15.35	<=34.77	Pass
		12	0	22.26	-4.80	15.31	<=34.77	Pass
			19	22.34	-4.80	15.39	<=34.77	Pass
			38	22.31	-4.80	15.36	<=34.77	Pass
		27	0	21.30	-4.80	14.35	<=34.77	Pass
	680.5	1	0	22.34	-4.80	15.39	<=34.77	Pass
			25	22.49	-4.80	15.54	<=34.77	Pass
			49	22.32	-4.80	15.37	<=34.77	Pass
		12	0	22.22	-4.80	15.27	<=34.77	Pass
			19	22.23	-4.80	15.28	<=34.77	Pass
			38	22.25	-4.80	15.30	<=34.77	Pass
		27	0	21.29	-4.80	14.34	<=34.77	Pass
	693	1	0	22.24	-4.80	15.29	<=34.77	Pass
			25	22.30	-4.80	15.35	<=34.77	Pass
			49	22.22	-4.80	15.27	<=34.77	Pass
		12	0	22.16	-4.80	15.21	<=34.77	Pass
			19	22.25	-4.80	15.30	<=34.77	Pass
			38	22.11	-4.80	15.16	<=34.77	Pass
		27	23	21.19	-4.80	14.24	<=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	22.99	-4.80	16.04	<=34.77	Pass
			38	23.02	-4.80	16.07	<=34.77	Pass
			74	22.98	-4.80	16.03	<=34.77	Pass

	680.5	36	0	21.93	-4.80	14.98	<=34.77	Pass	
			18	21.99	-4.80	15.04	<=34.77	Pass	
			39	22.04	-4.80	15.09	<=34.77	Pass	
		75	0	22.14	-4.80	15.19	<=34.77	Pass	
			1	0	22.95	-4.80	16.00	<=34.77	Pass
				38	23.01	-4.80	16.06	<=34.77	Pass
		74		22.89	-4.80	15.94	<=34.77	Pass	
		36	0	21.94	-4.80	14.99	<=34.77	Pass	
			18	21.98	-4.80	15.03	<=34.77	Pass	
	39		21.94	-4.80	14.99	<=34.77	Pass		
	75	0	22.02	-4.80	15.07	<=34.77	Pass		
		38	22.94	-4.80	15.99	<=34.77	Pass		
		74	22.86	-4.80	15.91	<=34.77	Pass		
	36	0	21.90	-4.80	14.95	<=34.77	Pass		
		18	21.82	-4.80	14.87	<=34.77	Pass		
		39	21.90	-4.80	14.95	<=34.77	Pass		
	75	0	21.92	-4.80	14.97	<=34.77	Pass		
		16QAM	670.5	1	0	22.00	-4.80	15.05	<=34.77
38					22.14	-4.80	15.19	<=34.77	Pass
74	22.09				-4.80	15.14	<=34.77	Pass	
12	0			21.92	-4.80	14.97	<=34.77	Pass	
	31			22.01	-4.80	15.06	<=34.77	Pass	
	63			21.98	-4.80	15.03	<=34.77	Pass	
27	0		20.87	-4.80	13.92	<=34.77	Pass		
680.5	1		0	22.13	-4.80	15.18	<=34.77	Pass	
			38	22.19	-4.80	15.24	<=34.77	Pass	
		74	22.20	-4.80	15.25	<=34.77	Pass		
	12	0	21.95	-4.80	15.00	<=34.77	Pass		
		31	21.88	-4.80	14.93	<=34.77	Pass		
		63	21.87	-4.80	14.92	<=34.77	Pass		
27	0	20.88	-4.80	13.93	<=34.77	Pass			
690.5	1	0	22.02	-4.80	15.07	<=34.77	Pass		
		38	22.11	-4.80	15.16	<=34.77	Pass		
		74	22.00	-4.80	15.05	<=34.77	Pass		
	12	0	21.93	-4.80	14.98	<=34.77	Pass		
		31	21.85	-4.80	14.90	<=34.77	Pass		
		63	21.86	-4.80	14.91	<=34.77	Pass		
27	48	20.88	-4.80	13.93	<=34.77	Pass			
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.4 B71_20MHz_ERP

Band: 71 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	22.89	-4.80	15.94	<=34.77	Pass
			50	22.96	-4.80	16.01	<=34.77	Pass
			99	22.98	-4.80	16.03	<=34.77	Pass
		50	0	21.88	-4.80	14.93	<=34.77	Pass
			25	22.14	-4.80	15.19	<=34.77	Pass
			50	22.00	-4.80	15.05	<=34.77	Pass
		100	0	22.11	-4.80	15.16	<=34.77	Pass
	683	1	0	23.00	-4.80	16.05	<=34.77	Pass
			50	23.07	-4.80	16.12	<=34.77	Pass
			99	23.00	-4.80	16.05	<=34.77	Pass
		50	0	21.97	-4.80	15.02	<=34.77	Pass

		100	25	22.12	-4.80	15.17	<=34.77	Pass
			50	21.92	-4.80	14.97	<=34.77	Pass
			0	22.07	-4.80	15.12	<=34.77	Pass
	688	1	0	22.96	-4.80	16.01	<=34.77	Pass
			50	22.97	-4.80	16.02	<=34.77	Pass
			99	22.79	-4.80	15.84	<=34.77	Pass
		50	0	21.93	-4.80	14.98	<=34.77	Pass
			25	22.04	-4.80	15.09	<=34.77	Pass
			50	21.90	-4.80	14.95	<=34.77	Pass
		100	0	22.07	-4.80	15.12	<=34.77	Pass
16QAM	673	1	0	21.94	-4.80	14.99	<=34.77	Pass
			50	22.00	-4.80	15.05	<=34.77	Pass
			99	21.97	-4.80	15.02	<=34.77	Pass
		12	0	21.90	-4.80	14.95	<=34.77	Pass
			44	22.12	-4.80	15.17	<=34.77	Pass
			88	21.98	-4.80	15.03	<=34.77	Pass
		27	0	20.87	-4.80	13.92	<=34.77	Pass
	683	1	0	22.11	-4.80	15.16	<=34.77	Pass
			50	22.26	-4.80	15.31	<=34.77	Pass
			99	22.05	-4.80	15.10	<=34.77	Pass
		12	0	21.89	-4.80	14.94	<=34.77	Pass
			44	22.10	-4.80	15.15	<=34.77	Pass
			88	21.91	-4.80	14.96	<=34.77	Pass
		27	0	20.79	-4.80	13.84	<=34.77	Pass
	688	1	0	22.16	-4.80	15.21	<=34.77	Pass
			50	22.18	-4.80	15.23	<=34.77	Pass
			99	22.05	-4.80	15.10	<=34.77	Pass
		12	0	21.86	-4.80	14.91	<=34.77	Pass
			44	22.05	-4.80	15.10	<=34.77	Pass
			88	21.83	-4.80	14.88	<=34.77	Pass
		27	73	20.85	-4.80	13.90	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	665.5	25	0	20	3.27	-0.958	-0.0014	-2.5 to 2.5	Pass
					3.85	-0.572	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.916	-0.0014	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.887	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.901	-0.0014	-2.5 to 2.5	Pass
					3.85	-0.830	-0.0012	-2.5 to 2.5	Pass
	680.5	25	0	20	3.85	-0.472	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.286	-0.0004	-2.5 to 2.5	Pass

				-30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				0	3.85	1.616	0.0024	-2.5 to 2.5	Pass
				10	3.85	1.545	0.0023	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.772	0.0011	-2.5 to 2.5	Pass
				50	3.85	0.286	0.0004	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-0.844	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.416	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.873	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-1.588	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
16QAM	665.5	25	0	20	3.27	-0.157	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.559	-0.0023	-2.5 to 2.5	Pass
					4.43	-1.359	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.159	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.558	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.202	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.245	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.386	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.574	-0.0024	-2.5 to 2.5	Pass
	680.5	25	0	20	3.27	-0.129	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
					4.43	-1.016	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-0.372	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.458	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.173	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-1.245	-0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.030	-0.0015	-2.5 to 2.5	Pass
	695.5	25	0	20	3.27	-1.359	-0.0020	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
					4.43	-0.744	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.730	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.216	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.844	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass

2.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	668	50	0	20	3.27	-1.702	-0.0025	-2.5 to 2.5	Pass
					3.85	-1.702	-0.0025	-2.5 to 2.5	Pass
					4.43	-1.187	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-1.688	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-1.087	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.116	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.903	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
	680.5	50	0	20	3.27	-1.273	-0.0019	-2.5 to 2.5	Pass
					3.85	-0.687	-0.0010	-2.5 to 2.5	Pass
					4.43	-0.901	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.787	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.259	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-1.159	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.186	-0.0003	-2.5 to 2.5	Pass
				50	3.85	0.186	0.0003	-2.5 to 2.5	Pass
	693	50	0	20	3.27	-0.887	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.159	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.702	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-0.386	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.202	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-0.658	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.073	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-0.701	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
16QAM	668	27	0	20	3.27	0.043	0.0001	-2.5 to 2.5	Pass
					3.85	0.529	0.0008	-2.5 to 2.5	Pass
					4.43	0.486	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.459	0.0022	-2.5 to 2.5	Pass
				0	3.85	0.815	0.0012	-2.5 to 2.5	Pass
				10	3.85	1.388	0.0021	-2.5 to 2.5	Pass
				30	3.85	1.016	0.0015	-2.5 to 2.5	Pass
				40	3.85	0.243	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.987	0.0015	-2.5 to 2.5	Pass
	680.5	27	0	20	3.27	1.130	0.0017	-2.5 to 2.5	Pass
					3.85	1.216	0.0018	-2.5 to 2.5	Pass
					4.43	1.345	0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.574	0.0023	-2.5 to 2.5	Pass
				-20	3.85	0.243	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.787	0.0012	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0004	-2.5 to 2.5	Pass
				30	3.85	1.130	0.0017	-2.5 to 2.5	Pass
				40	3.85	0.629	0.0009	-2.5 to 2.5	Pass
				50	3.85	0.715	0.0011	-2.5 to 2.5	Pass
	693	27	23	20	3.27	-2.131	-0.0031	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0029	-2.5 to 2.5	Pass
					4.43	-2.518	-0.0036	-2.5 to 2.5	Pass

				-30	3.85	-2.131	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-3.147	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-3.519	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-2.990	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-2.375	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-3.190	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-2.918	-0.0042	-2.5 to 2.5	Pass

2.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	670.5	75	0	20	3.27	-1.144	-0.0017	-2.5 to 2.5	Pass
					3.85	-1.001	-0.0015	-2.5 to 2.5	Pass
					4.43	-0.987	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.101	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.044	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-1.388	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-1.216	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-1.302	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.844	-0.0013	-2.5 to 2.5	Pass
	680.5	75	0	20	3.27	-1.659	-0.0024	-2.5 to 2.5	Pass
					3.85	-1.459	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-1.874	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-1.345	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-2.217	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.930	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.644	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-0.801	-0.0012	-2.5 to 2.5	Pass
	690.5	75	0	20	3.27	-1.717	-0.0025	-2.5 to 2.5	Pass
					3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.359	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.601	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.672	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.545	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-0.458	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.758	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.501	-0.0007	-2.5 to 2.5	Pass
16QAM	670.5	27	0	20	3.27	-0.215	-0.0003	-2.5 to 2.5	Pass
					3.85	1.230	0.0018	-2.5 to 2.5	Pass
					4.43	0.515	0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.958	0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.958	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.016	0.0015	-2.5 to 2.5	Pass
				0	3.85	1.016	0.0015	-2.5 to 2.5	Pass
				10	3.85	0.873	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.372	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.930	0.0014	-2.5 to 2.5	Pass

	680.5	27	0	50	3.85	0.715	0.0011	-2.5 to 2.5	Pass
				20	3.27	0.687	0.0010	-2.5 to 2.5	Pass
					3.85	1.130	0.0017	-2.5 to 2.5	Pass
					4.43	0.844	0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.329	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.316	0.0019	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.101	0.0016	-2.5 to 2.5	Pass
				10	3.85	1.073	0.0016	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0007	-2.5 to 2.5	Pass
				40	3.85	1.388	0.0020	-2.5 to 2.5	Pass
				50	3.85	1.073	0.0016	-2.5 to 2.5	Pass
	690.5	27	48	20	3.27	-2.017	-0.0029	-2.5 to 2.5	Pass
					3.85	-1.974	-0.0029	-2.5 to 2.5	Pass
					4.43	-1.988	-0.0029	-2.5 to 2.5	Pass
					3.85	-2.303	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-2.460	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-2.403	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-2.074	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-2.632	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-2.418	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-2.275	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-3.562	-0.0052	-2.5 to 2.5	Pass
				50	3.85				

2.1.4 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	3.27	-1.888	-0.0028	-2.5 to 2.5	Pass
					3.85	-1.087	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.044	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.159	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-1.488	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-1.760	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-1.431	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-1.359	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-1.588	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.459	-0.0022	-2.5 to 2.5	Pass
	683	100	0	20	3.27	-1.059	-0.0016	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.202	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-0.958	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.631	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-1.130	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0011	-2.5 to 2.5	Pass
	688	100	0	50	3.85	-0.629	-0.0009	-2.5 to 2.5	Pass
				20	3.27	-0.930	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0018	-2.5 to 2.5	Pass
					4.43	-1.531	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-0.830	-0.0012	-2.5 to 2.5	Pass

16QAM				0	3.85	-0.715	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.916	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.744	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.602	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-1.202	-0.0017	-2.5 to 2.5	Pass
	673	27	0	20	3.27	0.687	0.0010	-2.5 to 2.5	Pass
					3.85	-0.415	-0.0006	-2.5 to 2.5	Pass
					4.43	0.672	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.286	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.701	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.358	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.615	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass
	683	27	0	50	3.85	0.744	0.0011	-2.5 to 2.5	Pass
				20	3.27	1.187	0.0017	-2.5 to 2.5	Pass
					3.85	1.531	0.0022	-2.5 to 2.5	Pass
					4.43	1.016	0.0015	-2.5 to 2.5	Pass
				-30	3.85	1.001	0.0015	-2.5 to 2.5	Pass
				-20	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				-10	3.85	0.486	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.130	0.0017	-2.5 to 2.5	Pass
				10	3.85	0.901	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.544	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.273	0.0019	-2.5 to 2.5	Pass
	688	27	73	50	3.85	1.030	0.0015	-2.5 to 2.5	Pass
				20	3.27	-2.704	-0.0039	-2.5 to 2.5	Pass
					3.85	-3.004	-0.0044	-2.5 to 2.5	Pass
					4.43	-2.260	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-2.332	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-2.761	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-3.047	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-3.405	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-2.975	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-3.333	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-3.047	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-2.160	-0.0031	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	25	0	Refer To Test Graph		Pass
16QAM	680.5	25	0	Refer To Test Graph		Pass

3.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTN					
Modulation	Frequency	RB Allocation		Modulation Characteristics	Verdict

	(MHz)	Size	Offset	Result	Limit	
QPSK	680.5	50	0	Refer To Test Graph		Pass
16QAM	680.5	50	0	Refer To Test Graph		Pass

3.1.3 B71_15MHz

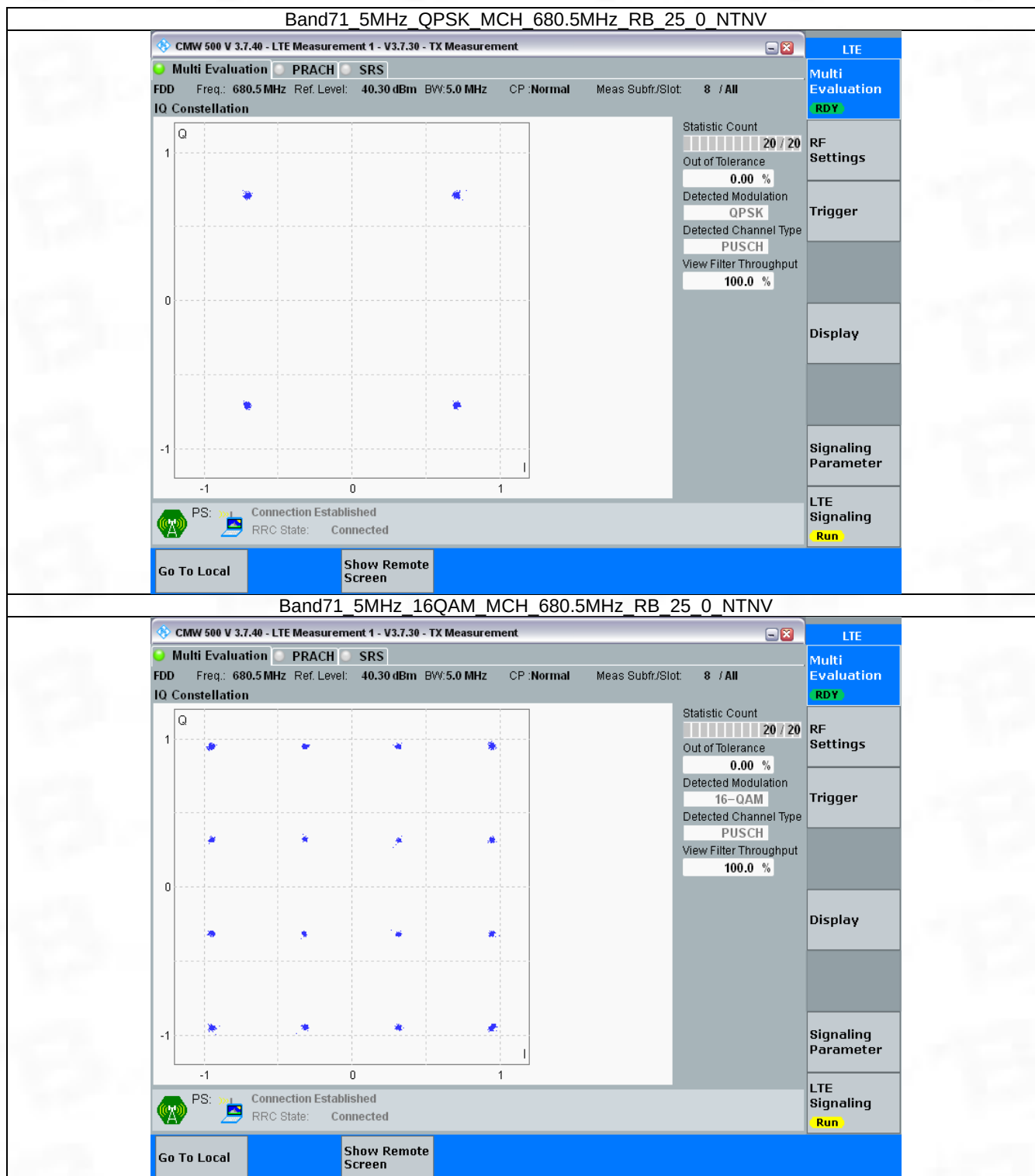
Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	680.5	75	0	Refer To Test Graph		Pass
16QAM	680.5	75	0	Refer To Test Graph		Pass

3.1.4 B71_20MHz

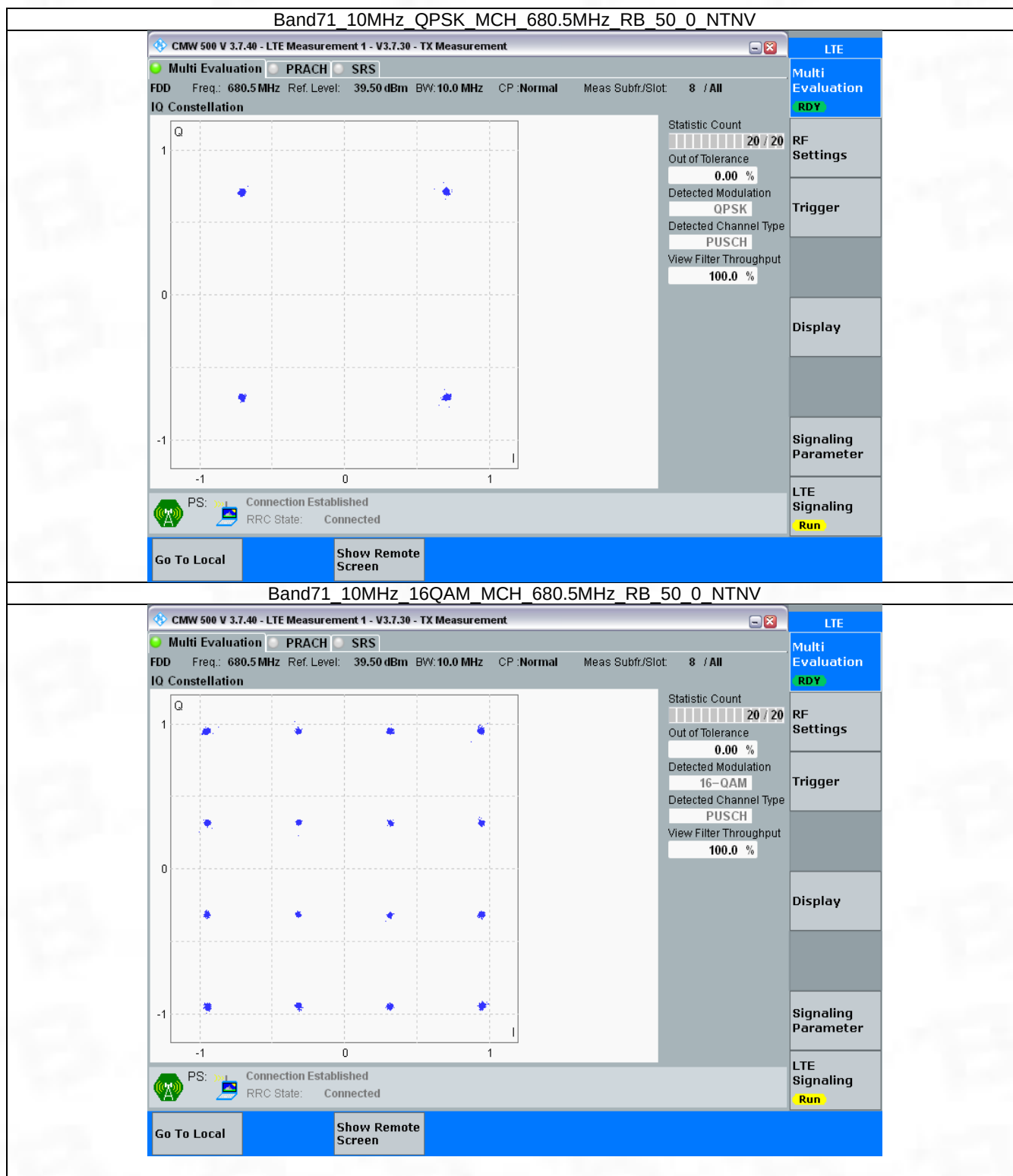
Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	Refer To Test Graph		Pass
16QAM	683	100	0	Refer To Test Graph		Pass

3.2 Test Graph

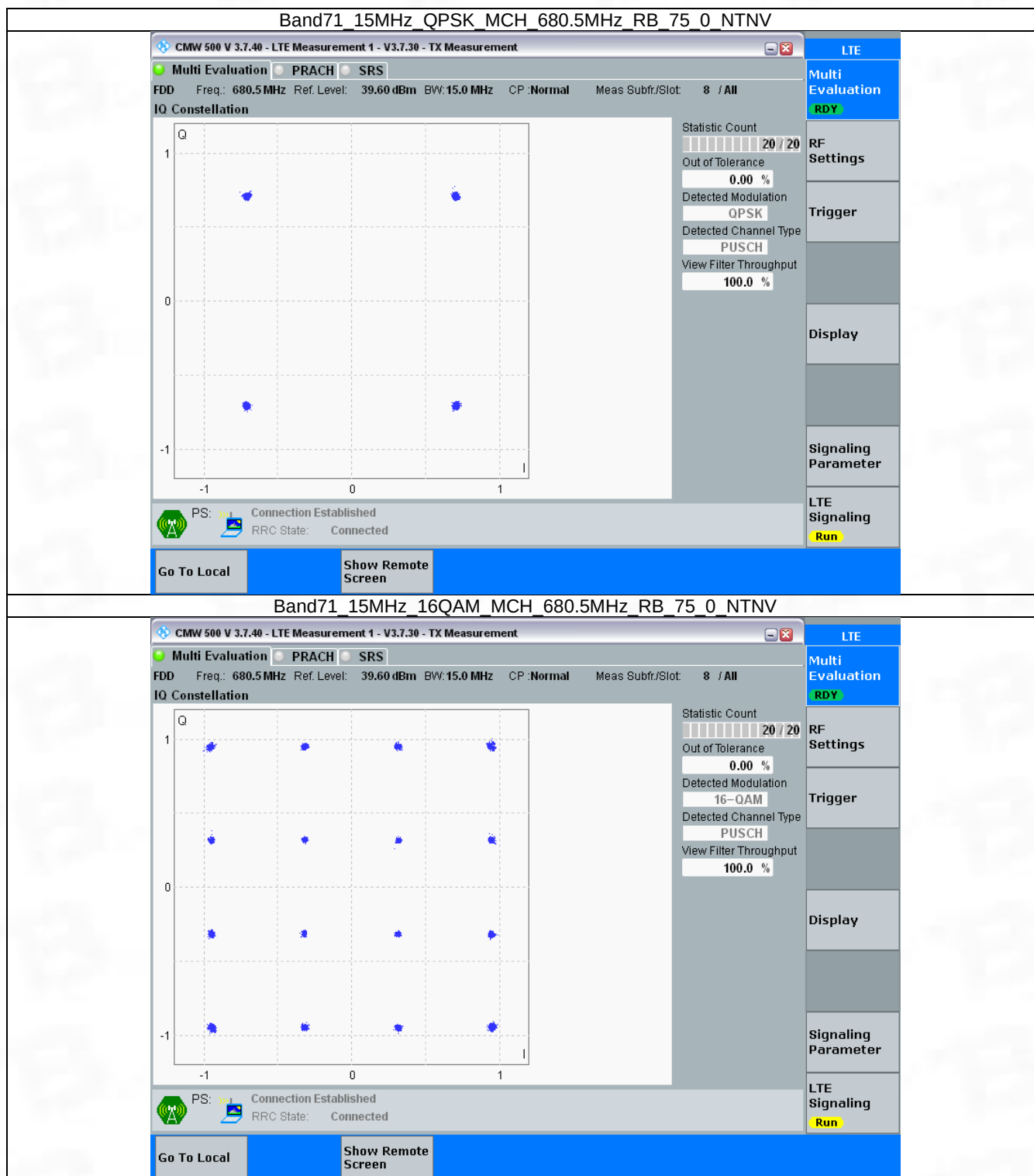
3.2.1 B71_5MHz



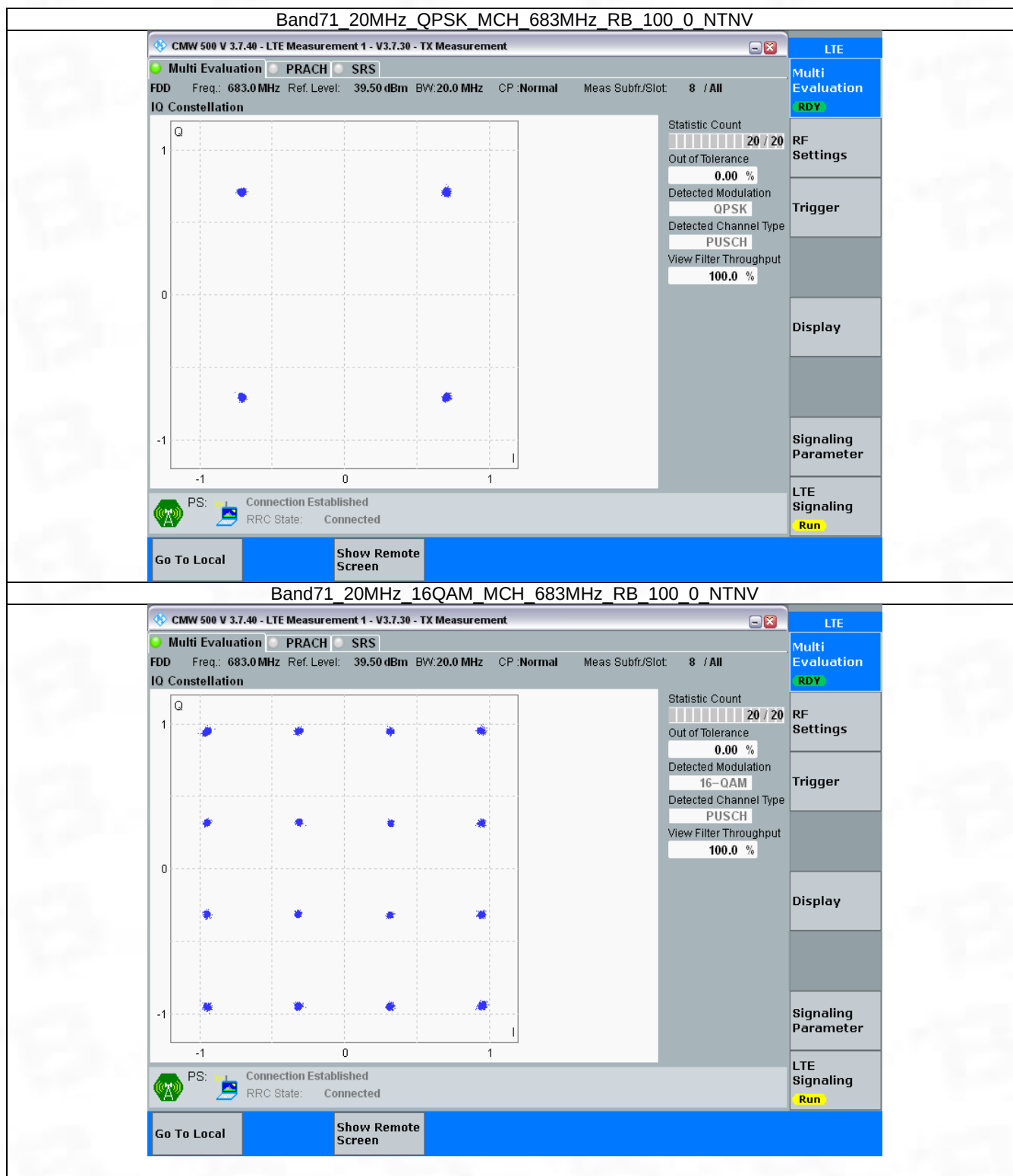
3.2.2 B71_10MHz



3.2.3 B71_15MHz



3.2.4 B71_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 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	4.575	/	Pass
		680.5	25	0	4.565	/	Pass
		695.5	25	0	4.558	/	Pass
	16QAM	665.5	25	0	4.570	/	Pass
		680.5	25	0	4.571	/	Pass
		695.5	25	0	4.549	/	Pass
10	QPSK	668	50	0	9.071	/	Pass
		680.5	50	0	9.052	/	Pass
		693	50	0	9.100	/	Pass
	16QAM	668	27	0	5.125	/	Pass
		680.5	27	0	5.141	/	Pass
		693	27	23	5.145	/	Pass
15	QPSK	670.5	75	0	13.602	/	Pass
		680.5	75	0	13.575	/	Pass
		690.5	75	0	13.592	/	Pass
	16QAM	670.5	27	0	5.267	/	Pass
		680.5	27	0	5.277	/	Pass
		690.5	27	48	5.267	/	Pass
20	QPSK	673	100	0	18.063	/	Pass
		683	100	0	18.120	/	Pass
		688	100	0	18.118	/	Pass
	16QAM	673	27	0	5.547	/	Pass
		683	27	0	5.510	/	Pass
		688	27	73	5.558	/	Pass

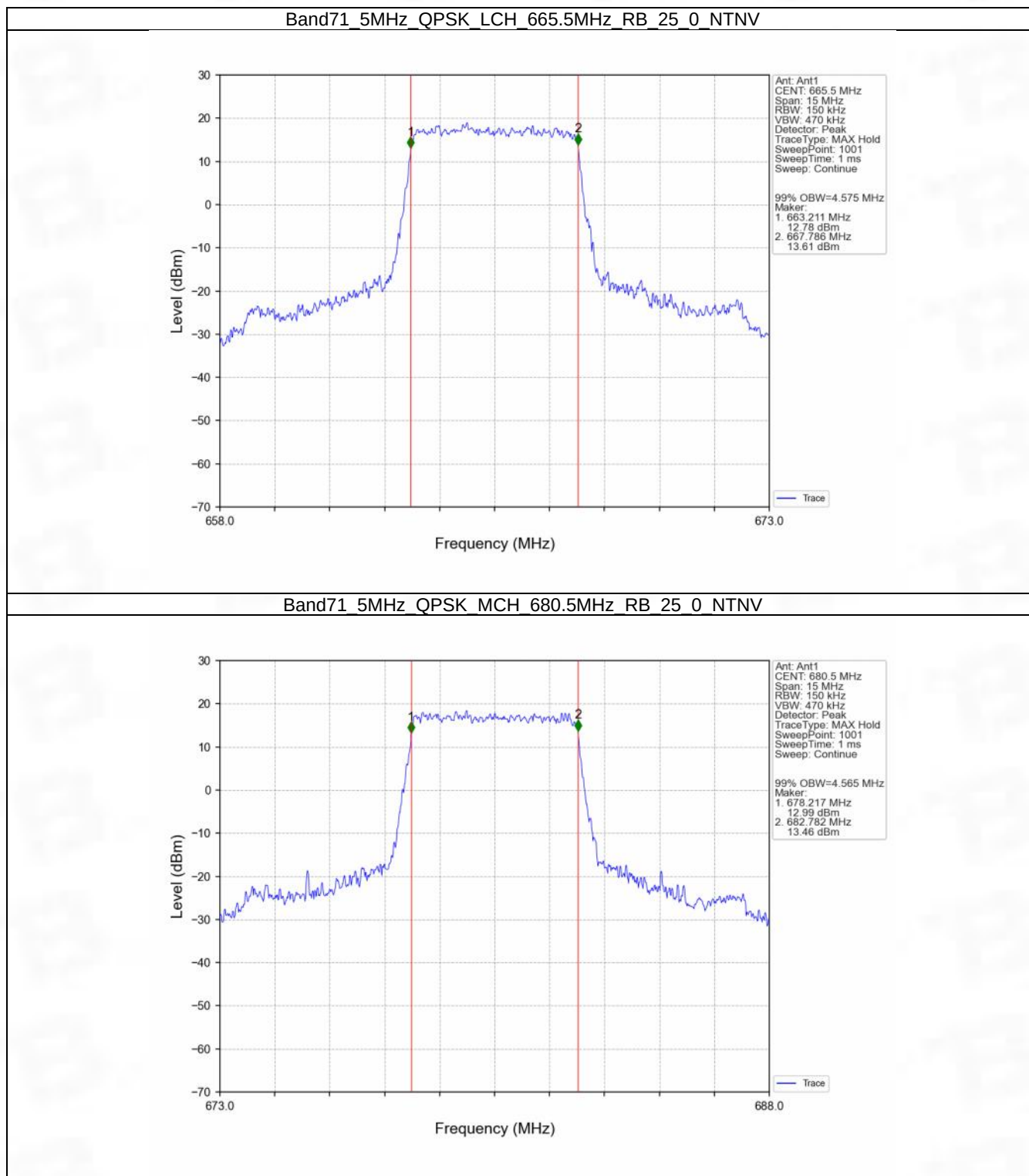
4.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.269	/	Pass
		680.5	25	0	5.267	/	Pass
		695.5	25	0	5.213	/	Pass
	16QAM	665.5	25	0	5.190	/	Pass
		680.5	25	0	5.258	/	Pass
		695.5	25	0	5.260	/	Pass
10	QPSK	668	50	0	10.141	/	Pass
		680.5	50	0	10.148	/	Pass
		693	50	0	10.249	/	Pass
	16QAM	668	27	0	8.091	/	Pass
		680.5	27	0	8.353	/	Pass
		693	27	23	8.560	/	Pass
15	QPSK	670.5	75	0	15.233	/	Pass
		680.5	75	0	15.273	/	Pass
		690.5	75	0	15.172	/	Pass

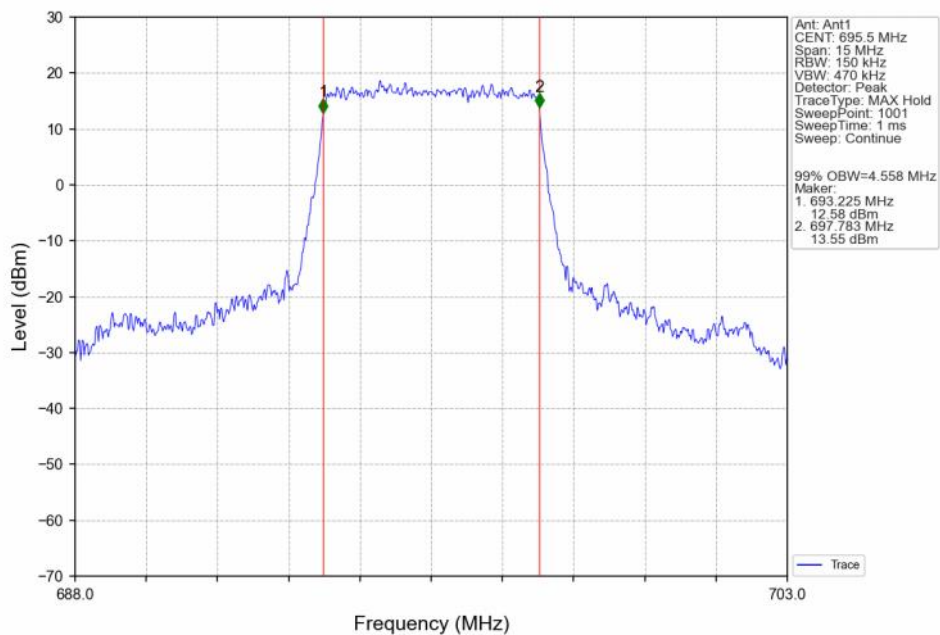
20	16QAM	670.5	27	0	6.393	/	Pass
		680.5	27	0	6.377	/	Pass
		690.5	27	48	6.355	/	Pass
	QPSK	673	100	0	19.927	/	Pass
		683	100	0	20.043	/	Pass
		688	100	0	20.006	/	Pass
	16QAM	673	27	0	6.919	/	Pass
		683	27	0	6.923	/	Pass
		688	27	73	6.997	/	Pass

4.2 Test Graph

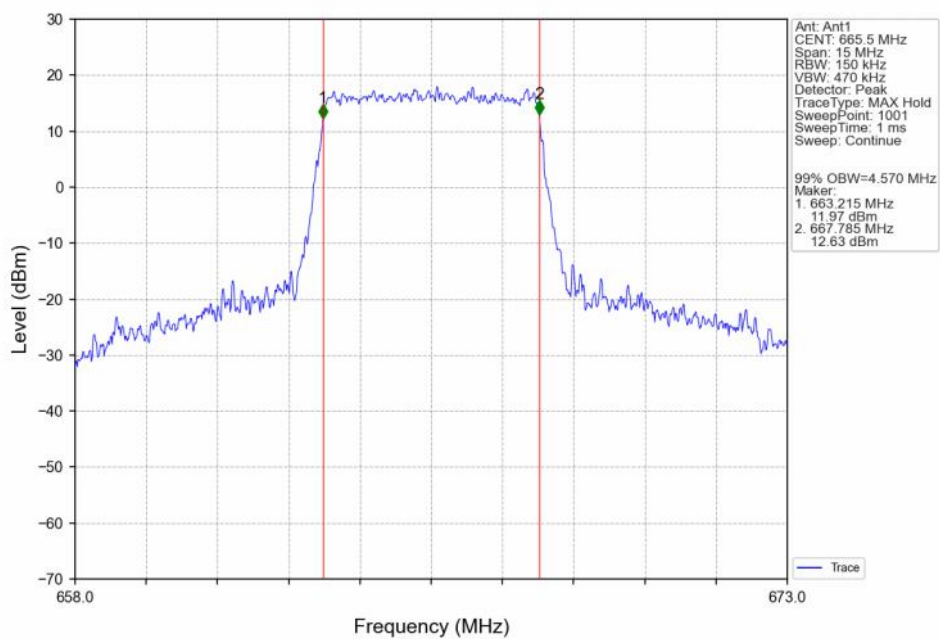
4.2.1 Band71_OBW



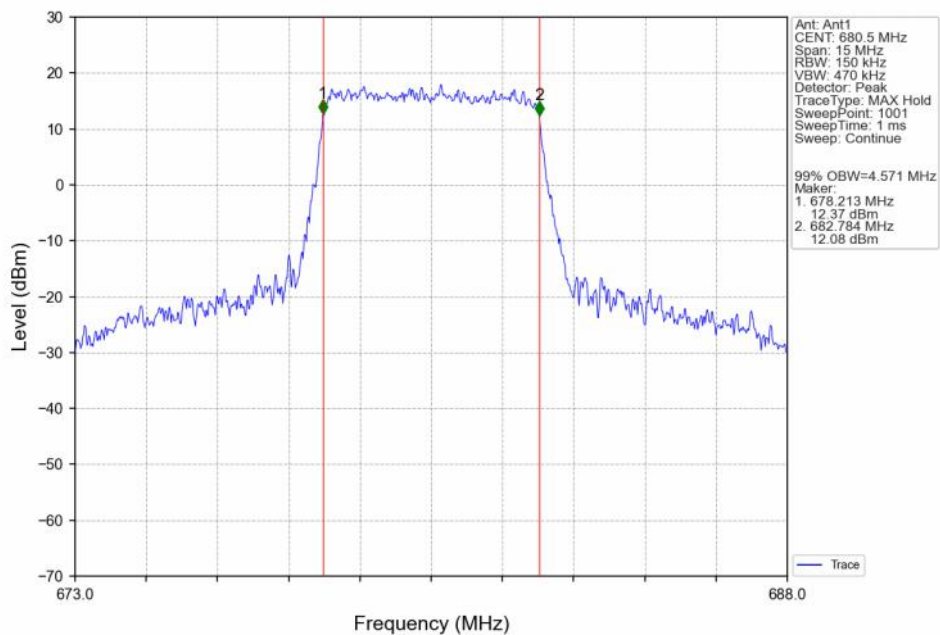
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



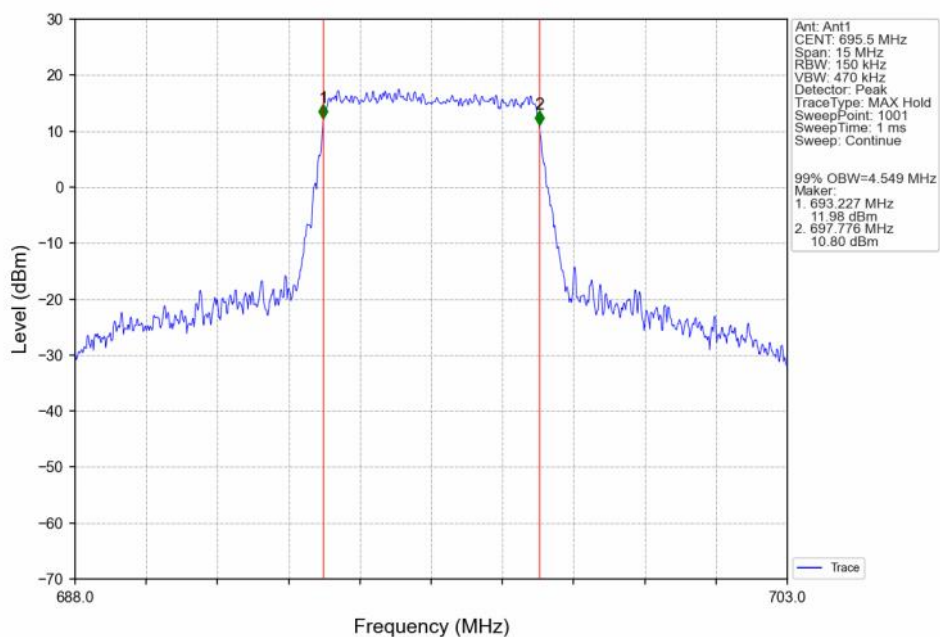
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



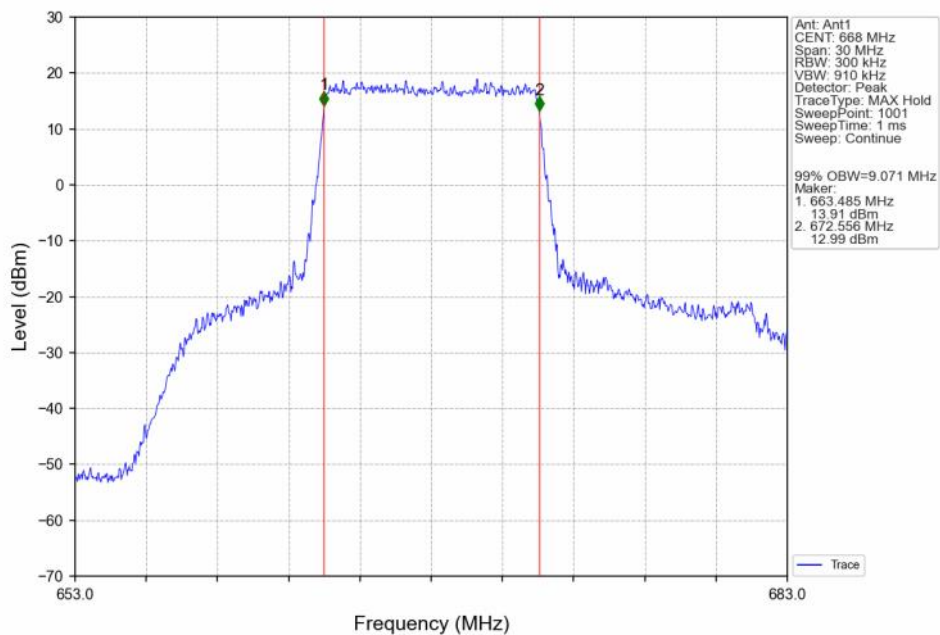
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



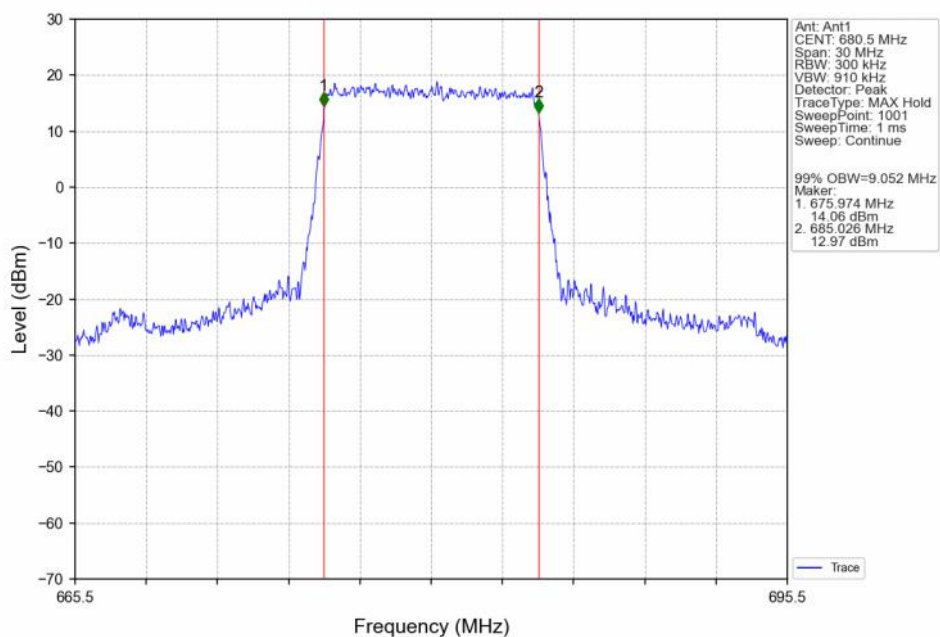
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



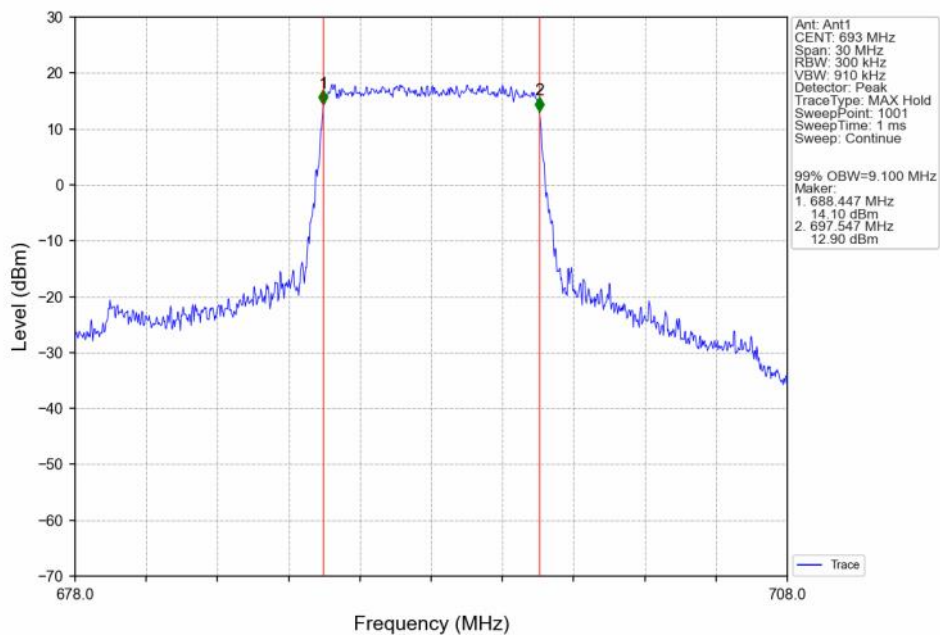
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTNV



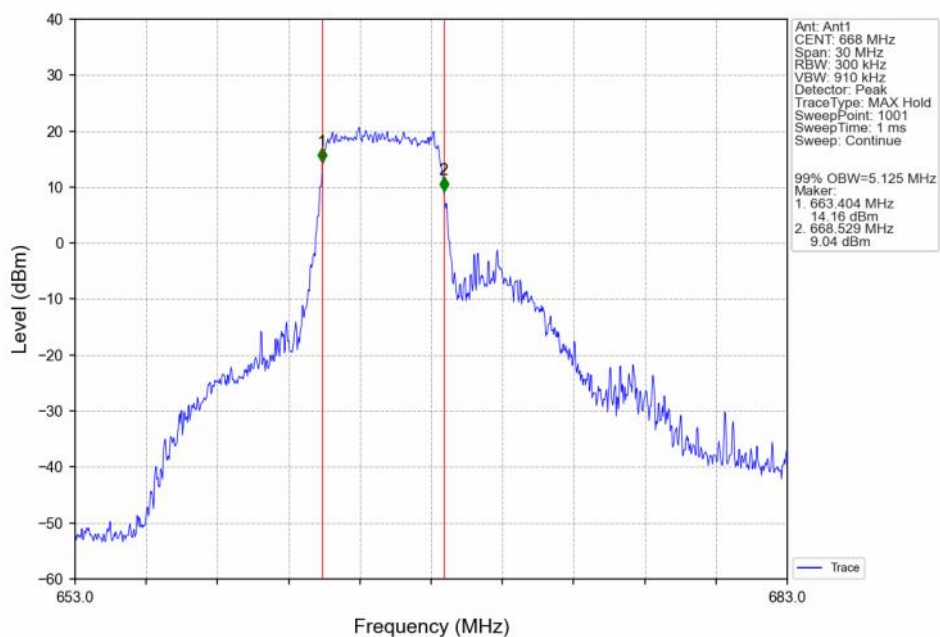
Band71_10MHz_QPSK_MCH 680.5MHz_RB_50_0_NTNV



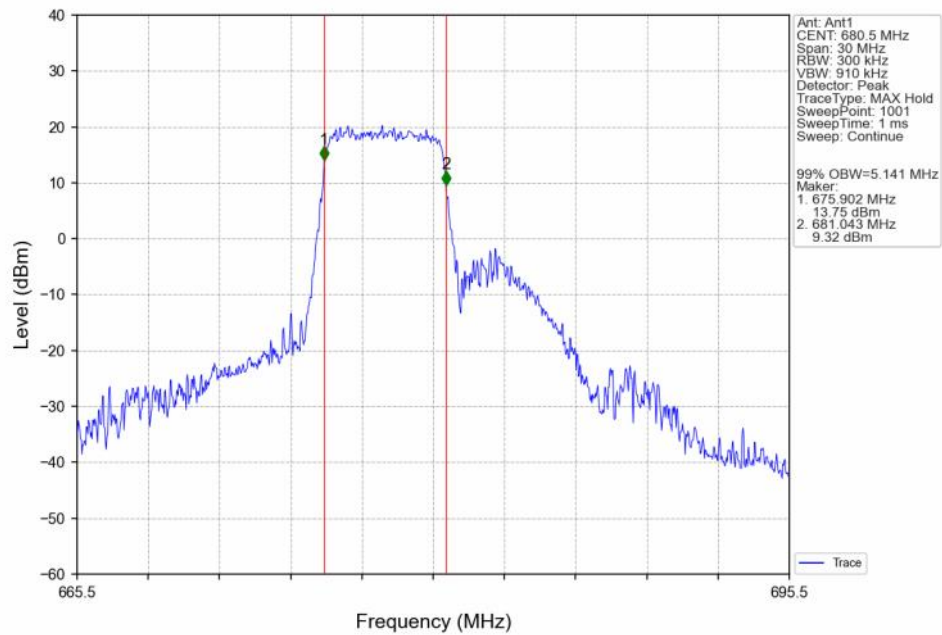
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



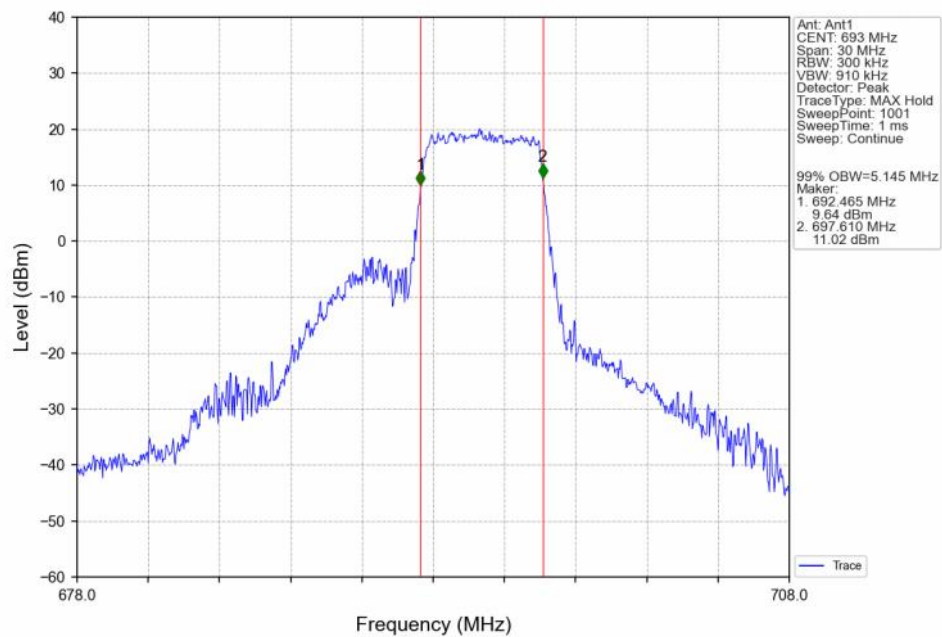
Band71_10MHz_16QAM_LCH_668MHz_RB_27_0 NTN



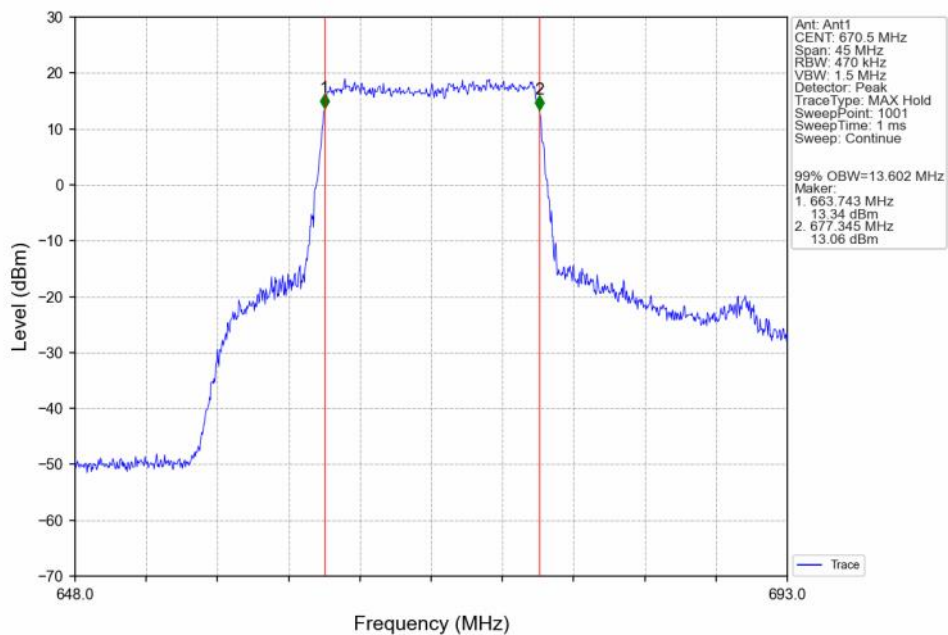
Band71 10MHz 16QAM MCH 680.5MHz RB 27 0 NTNV



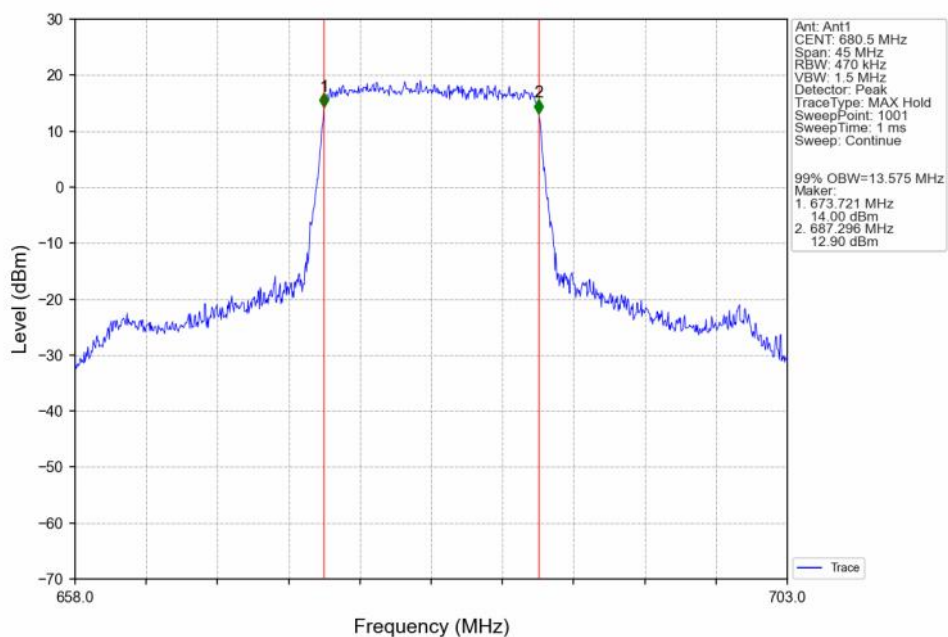
Band71 10MHz 16QAM HCH 693MHz RB 27 23 NTNV



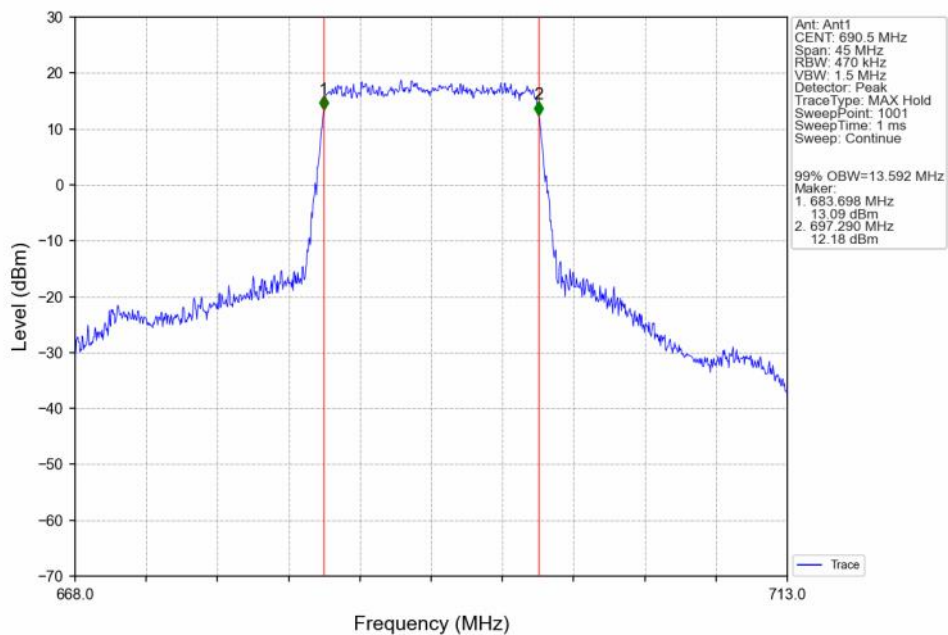
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



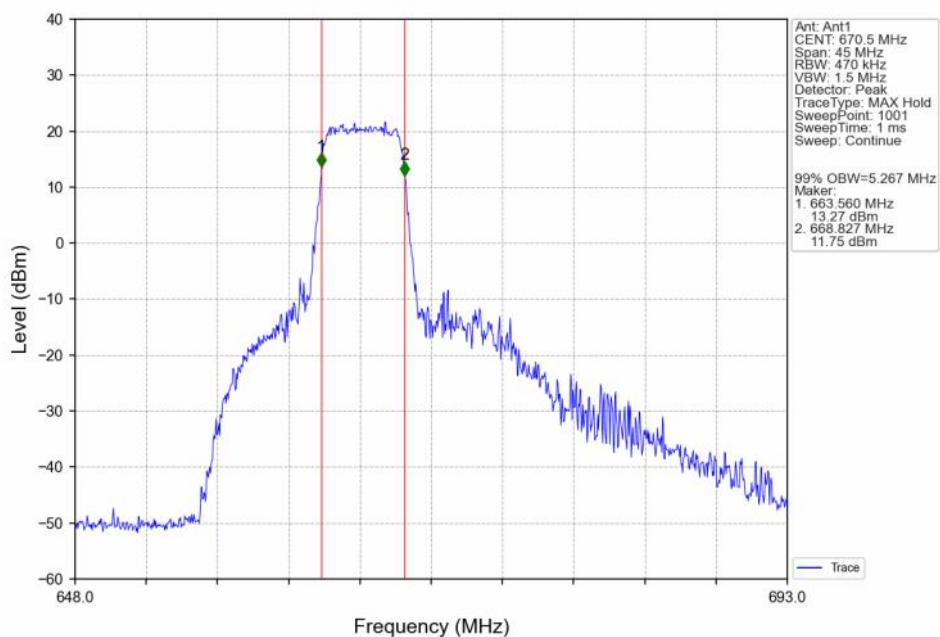
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



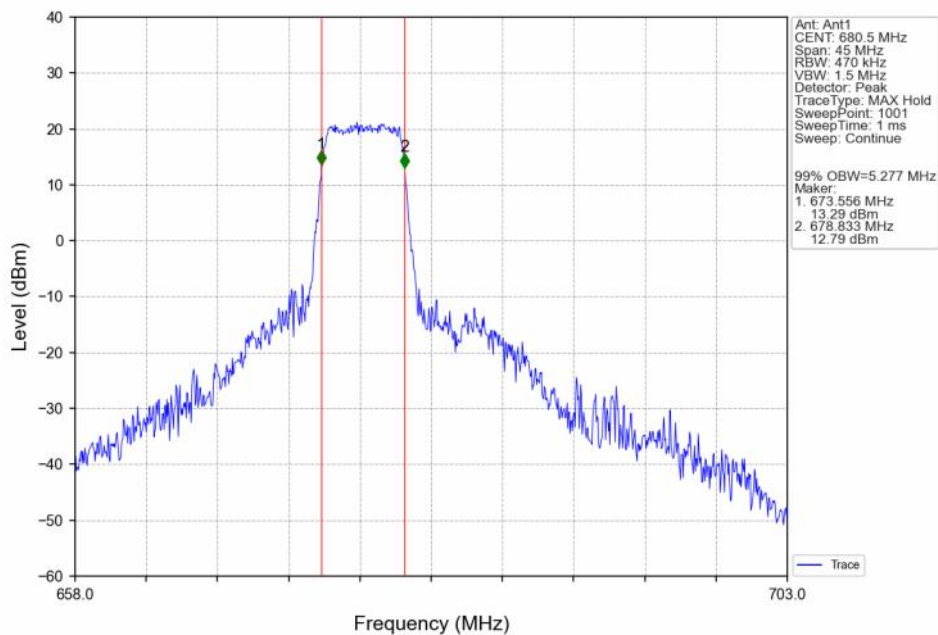
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



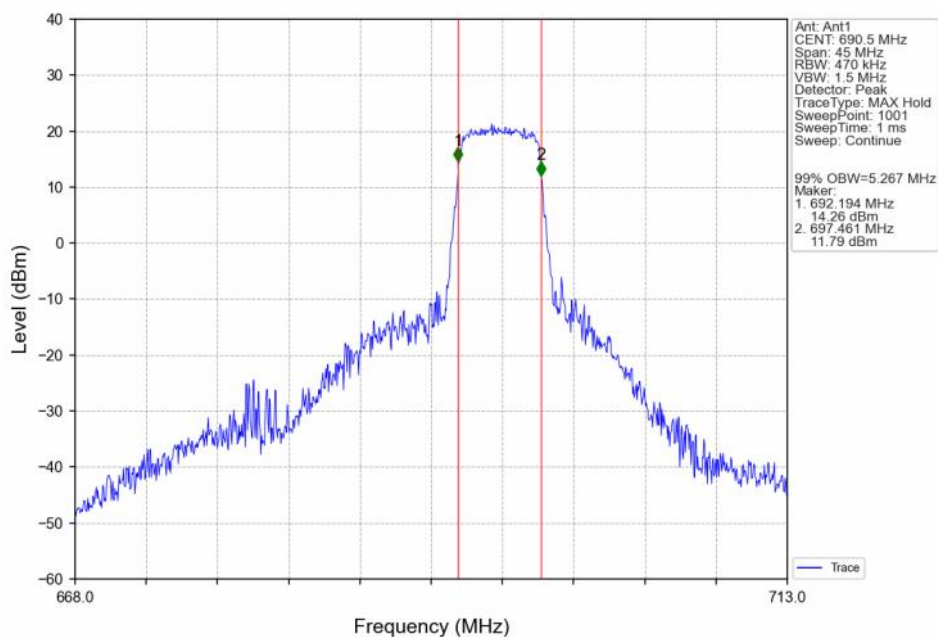
Band71_15MHz_16QAM_LCH_670.5MHz_RB_27_0_NTNV



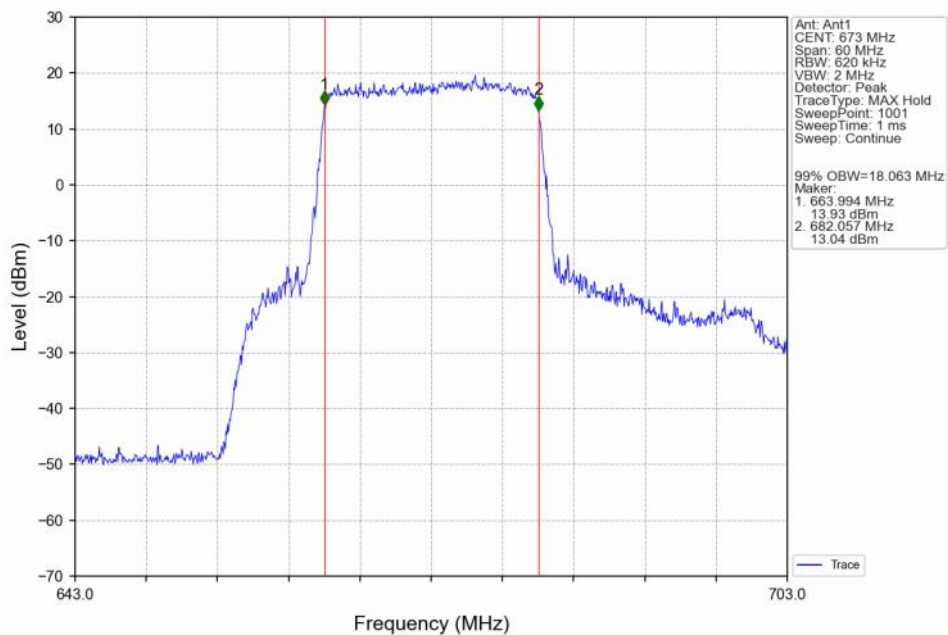
Band71_15MHz_16QAM_MCH_680.5MHz_RB_27_0_NTNV



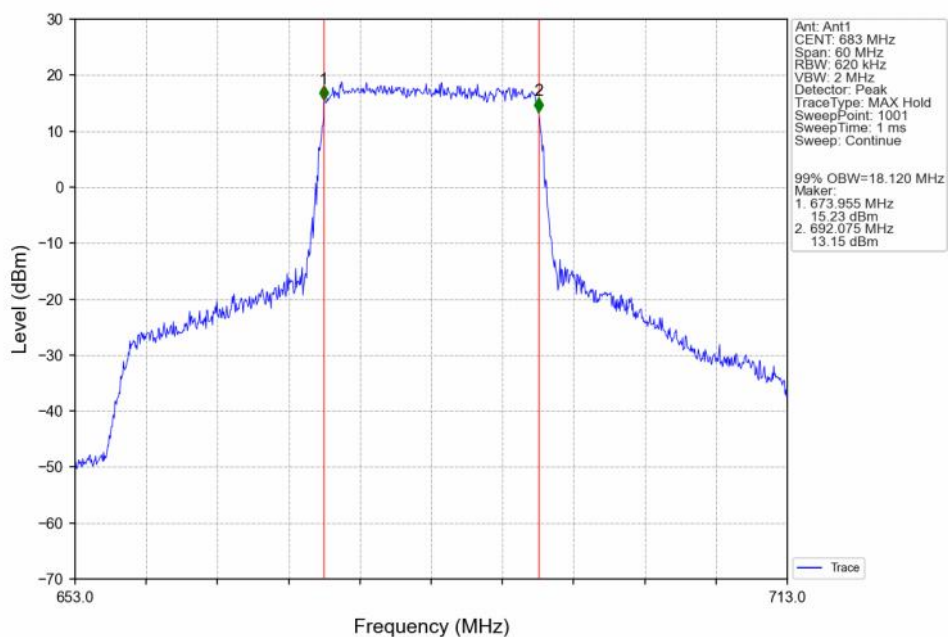
Band71_15MHz_16QAM_HCH_690.5MHz_RB_27_48_NTNV



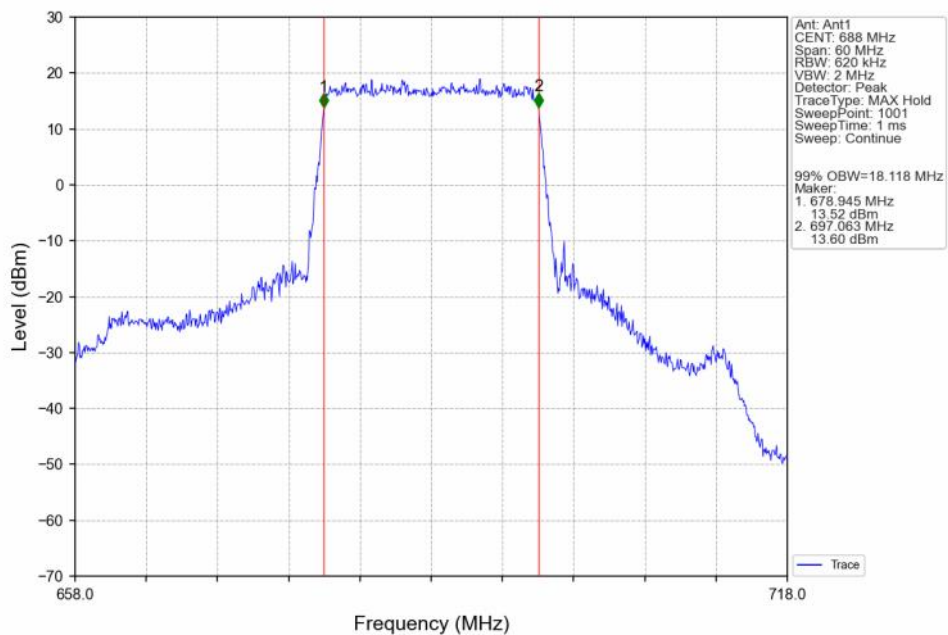
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV



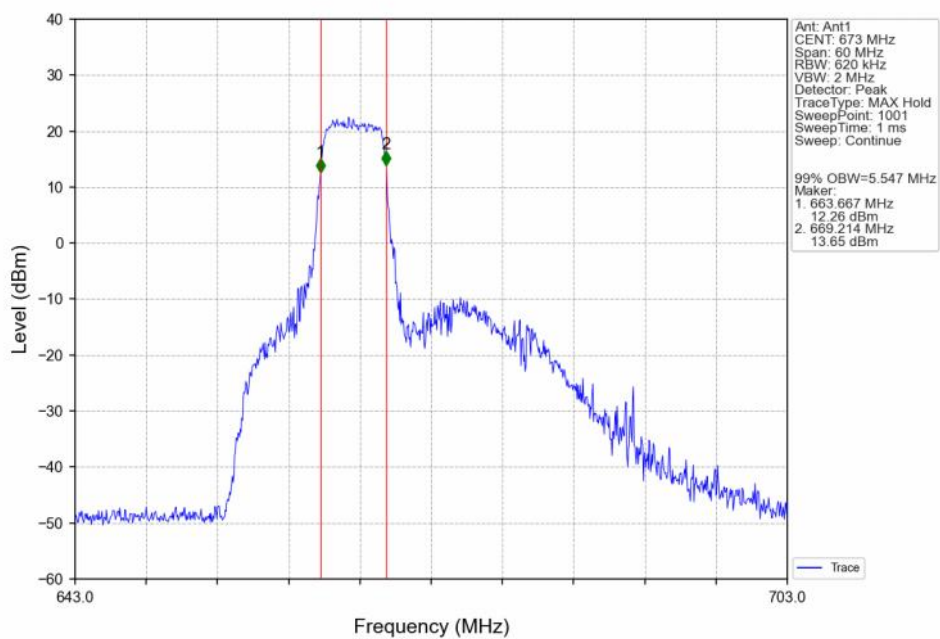
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



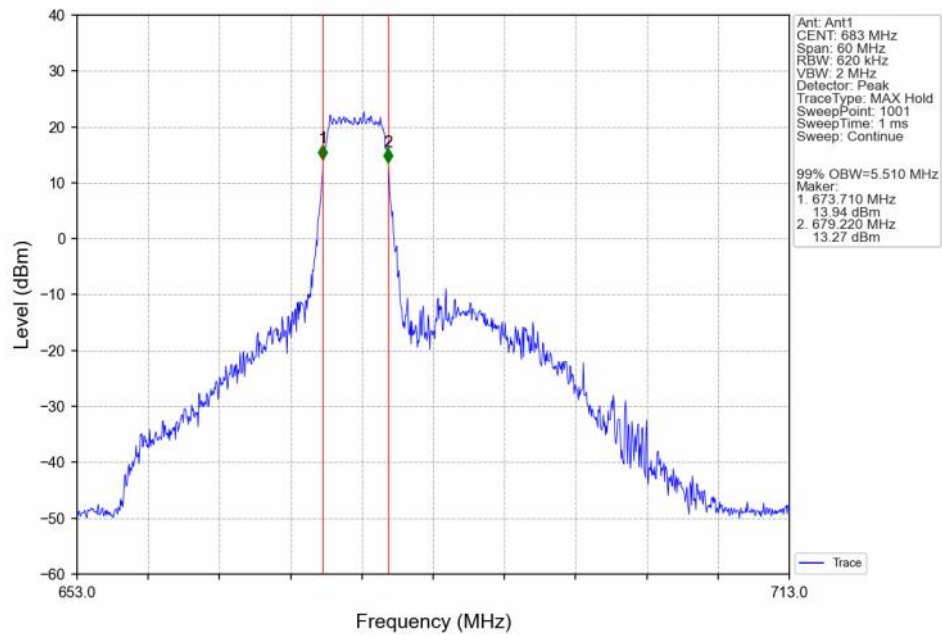
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



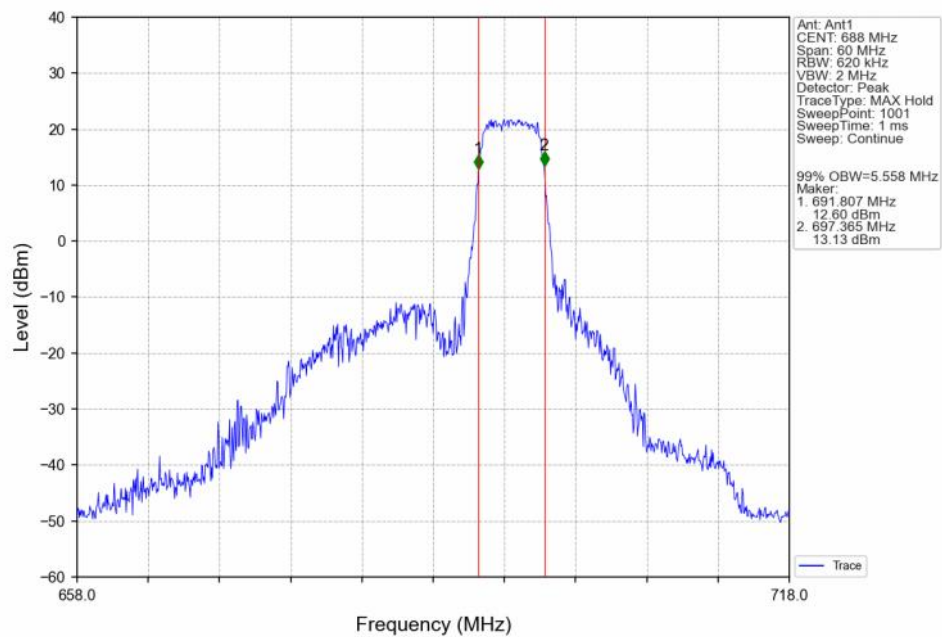
Band71 20MHz 16QAM LCH 673MHz RB 27 0 NTNV



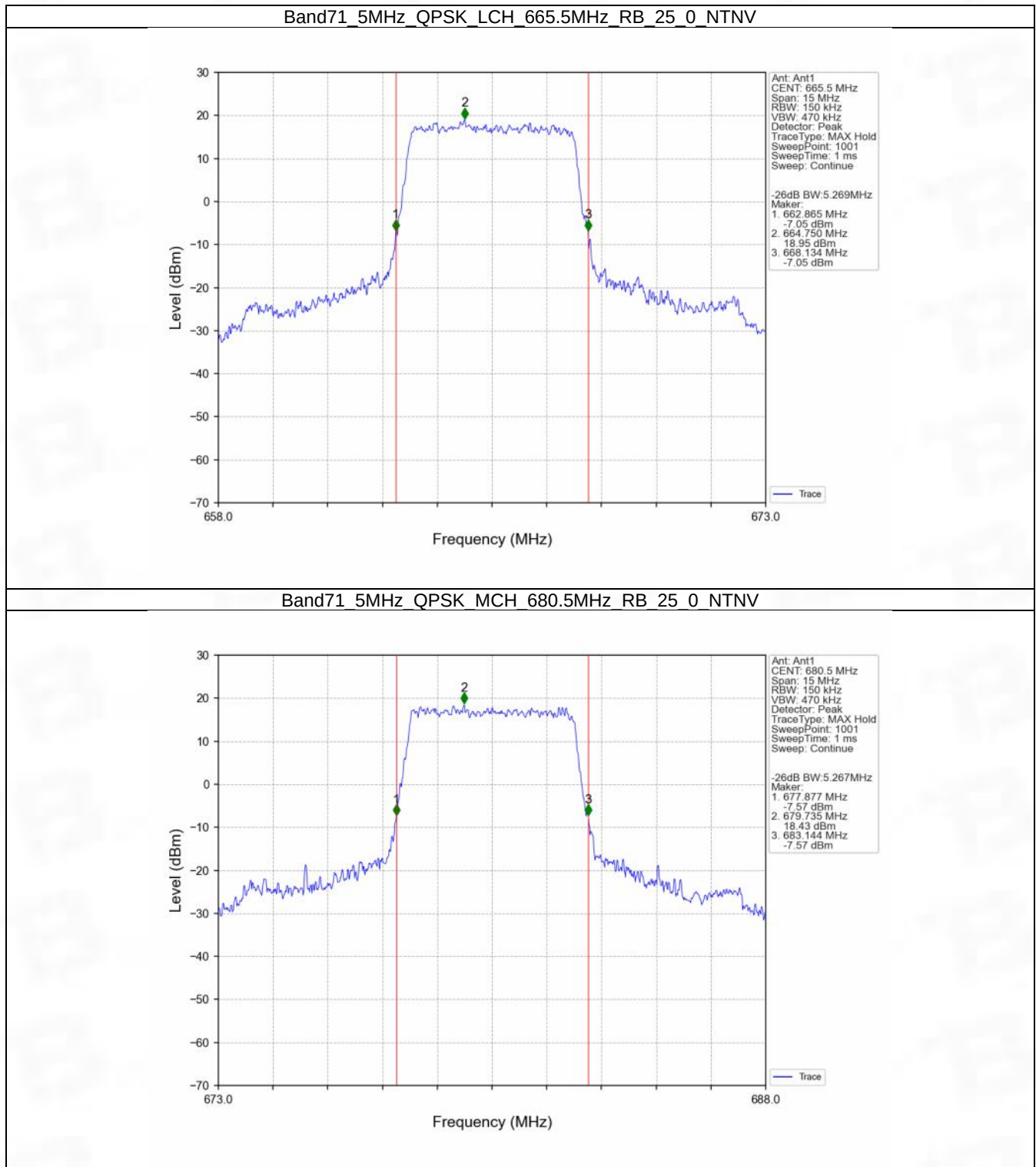
Band71_20MHz_16QAM_MCH_683MHz_RB_27_0_NTNV



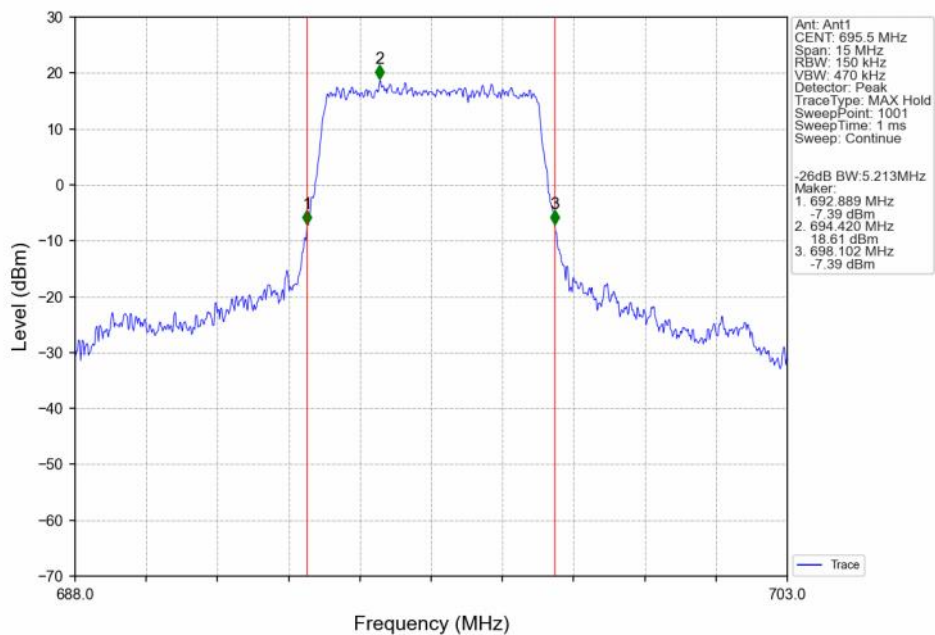
Band71_20MHz_16QAM_HCH_688MHz_RB_27_73_NTNV



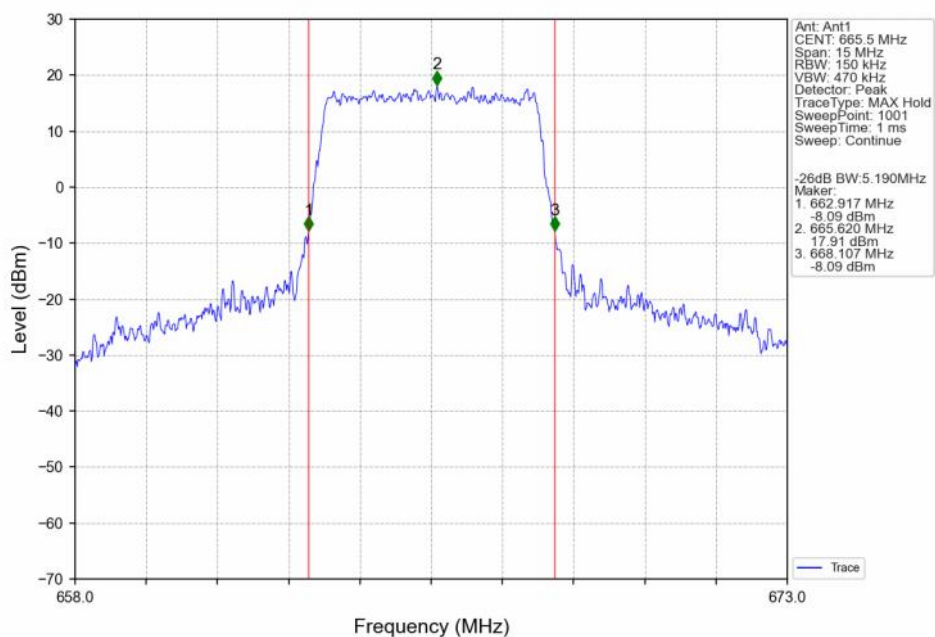
4.2.2 Band71_XDB



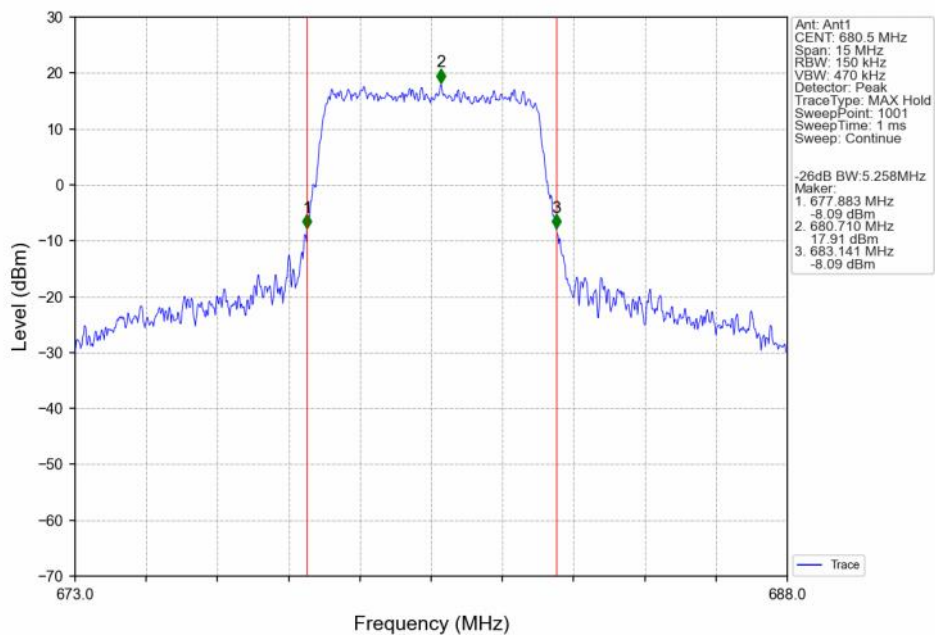
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTNV



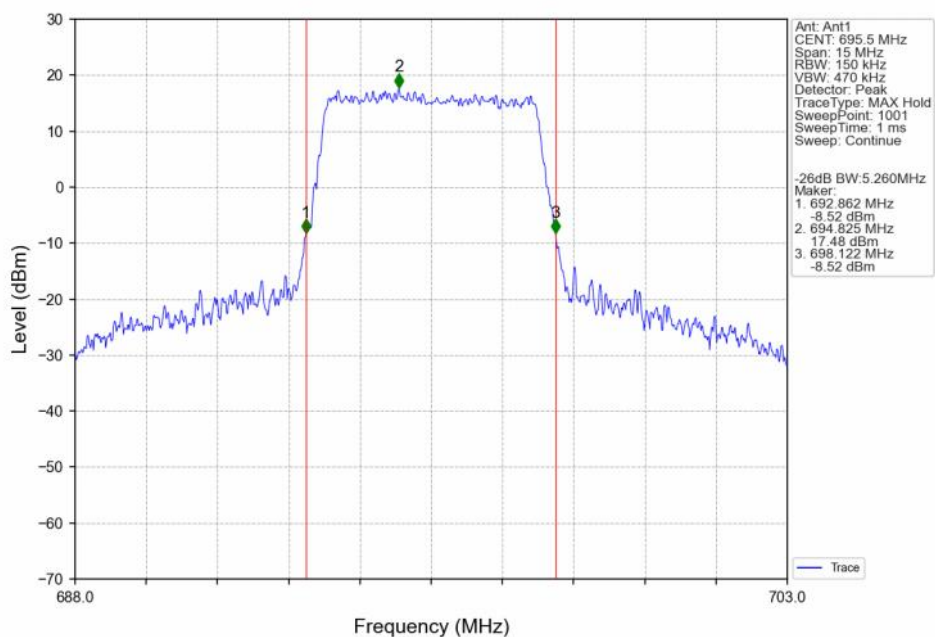
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTNV



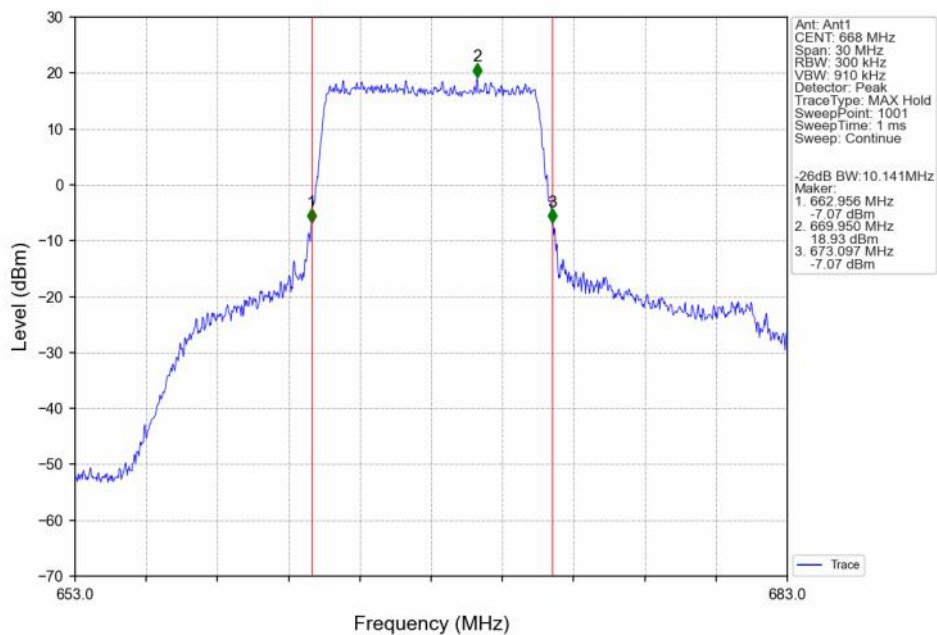
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



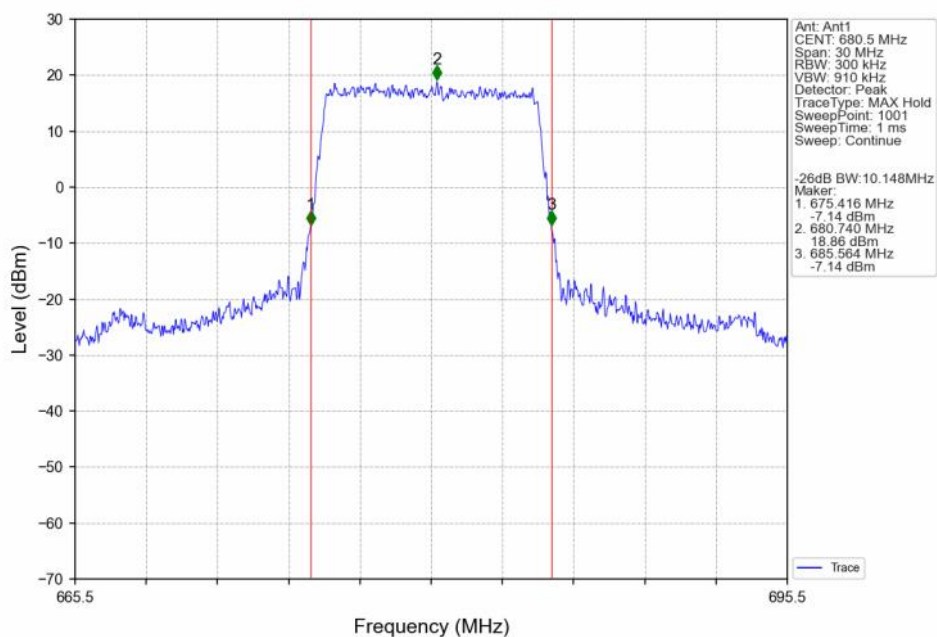
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



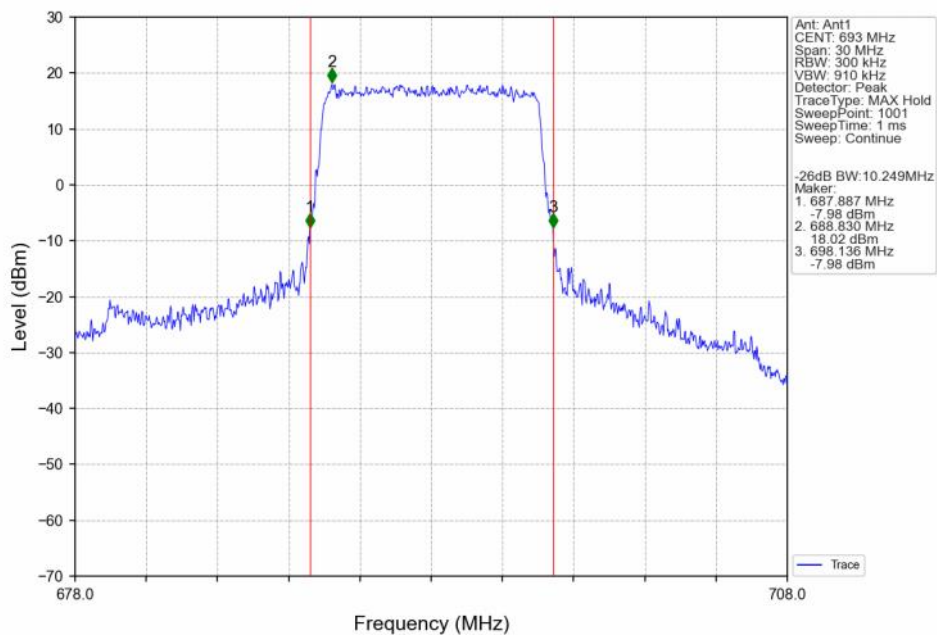
Band71 10MHz QPSK LCH 668MHz RB 50 0 NTN



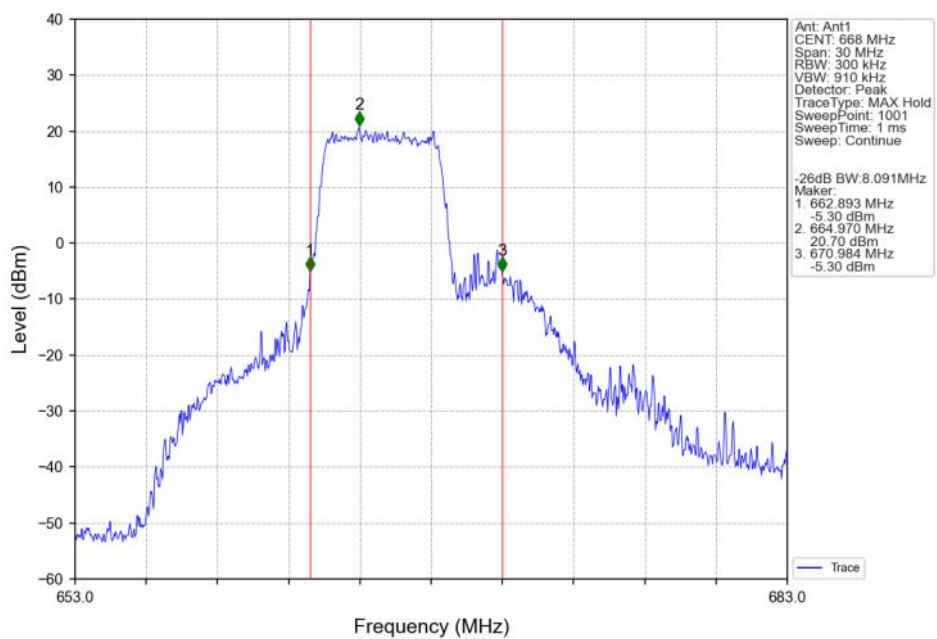
Band71 10MHz QPSK MCH 680.5MHz RB 50 0 NTN



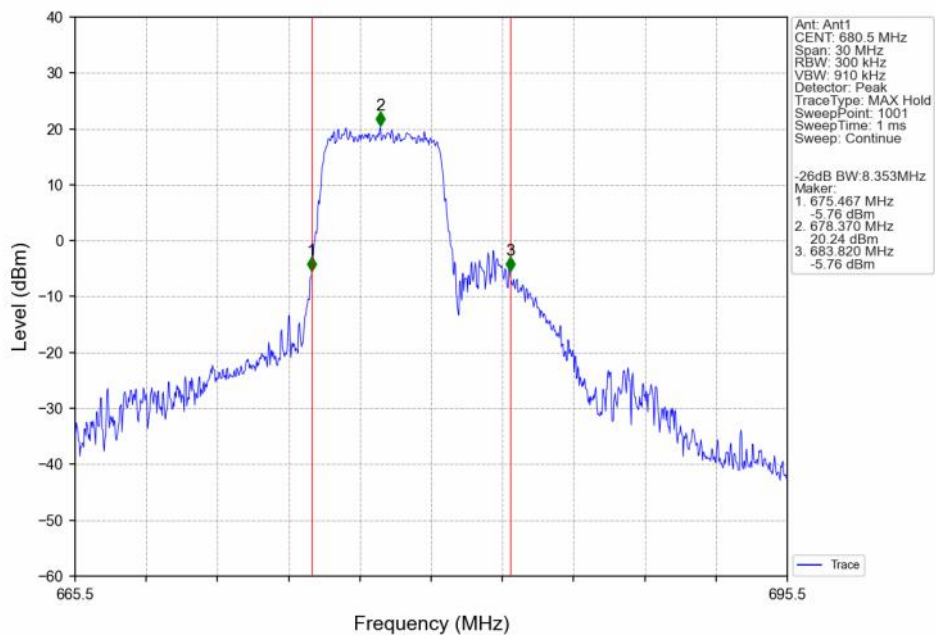
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



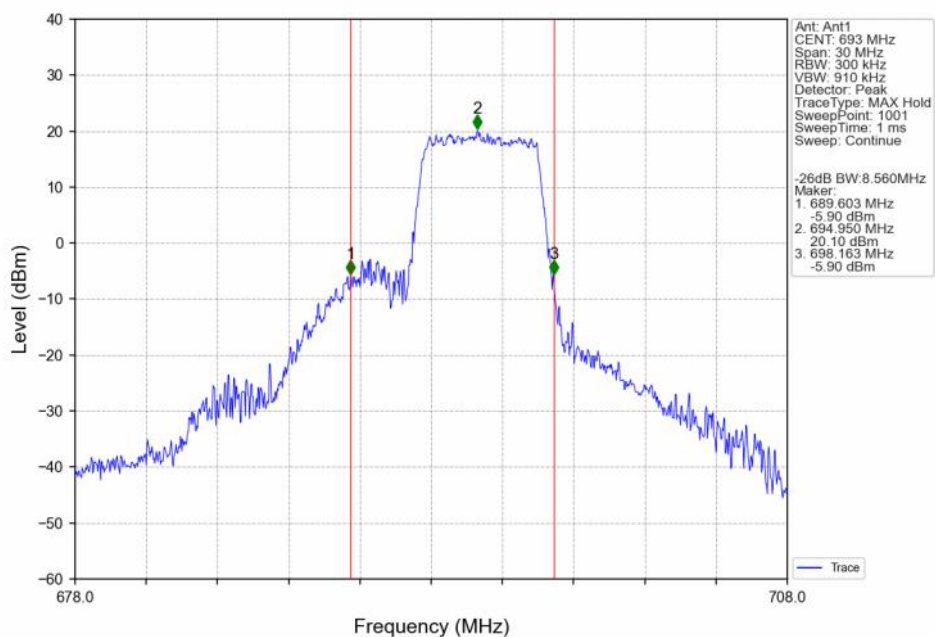
Band71 10MHz 16QAM LCH 668MHz RB 27 0 NTN



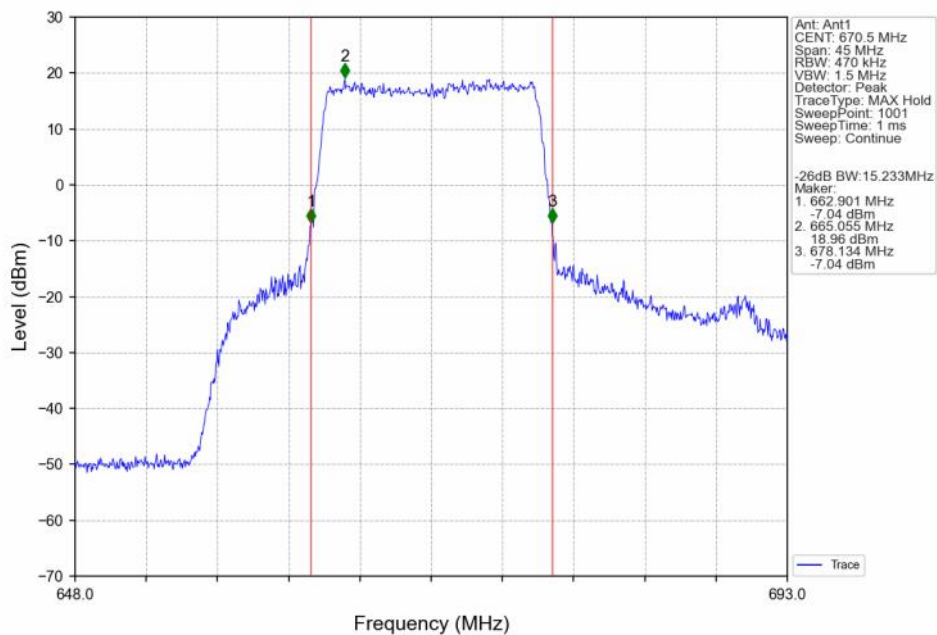
Band71 10MHz 16QAM MCH 680.5MHz RB 27 0 NTNV



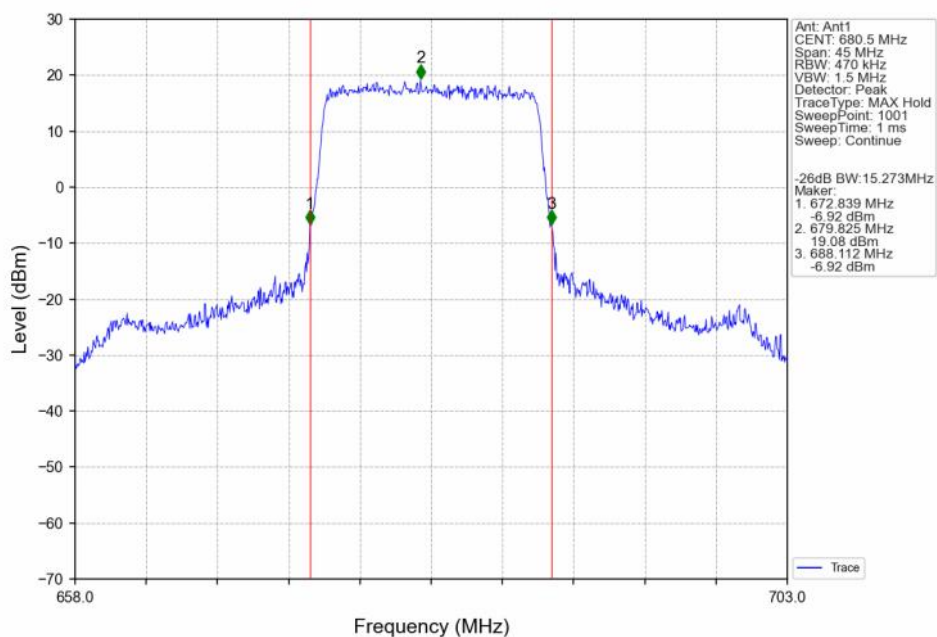
Band71 10MHz 16QAM HCH 693MHz RB 27 23 NTNV



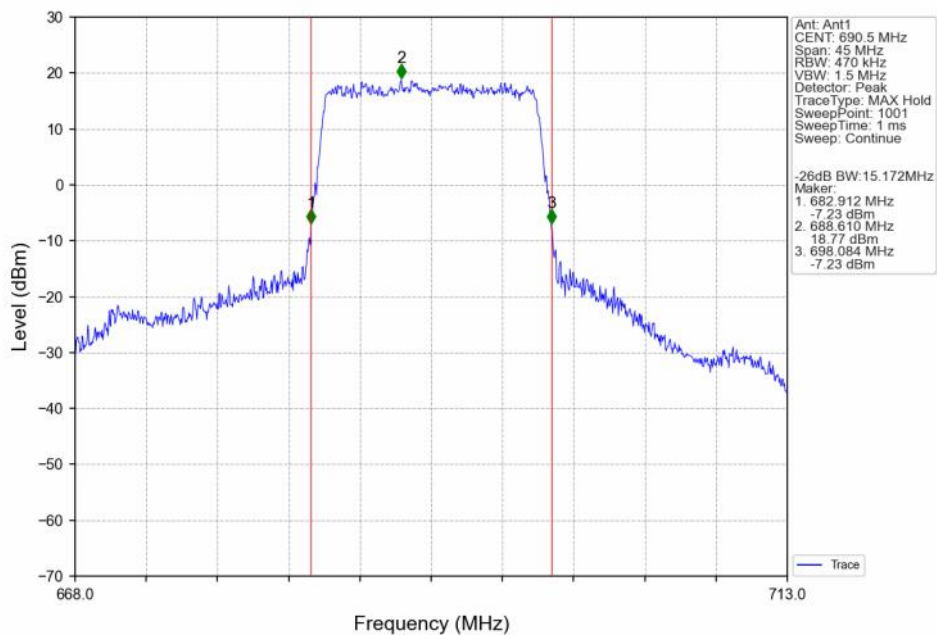
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



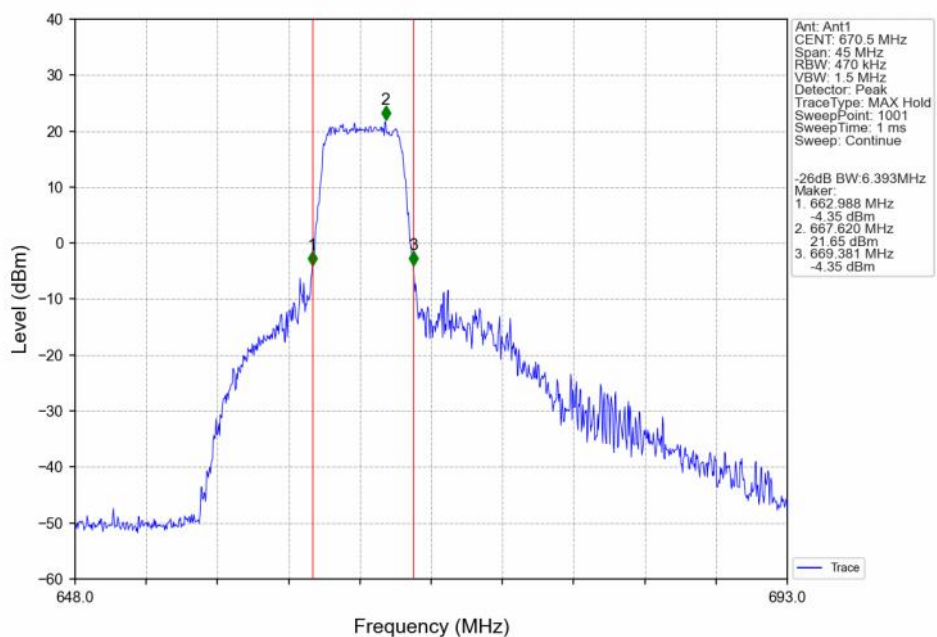
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



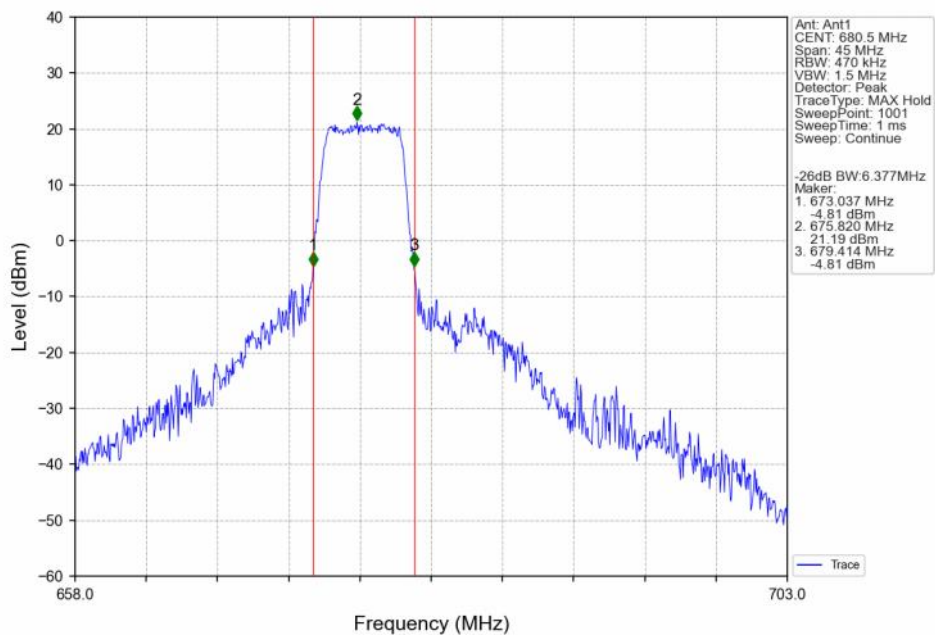
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



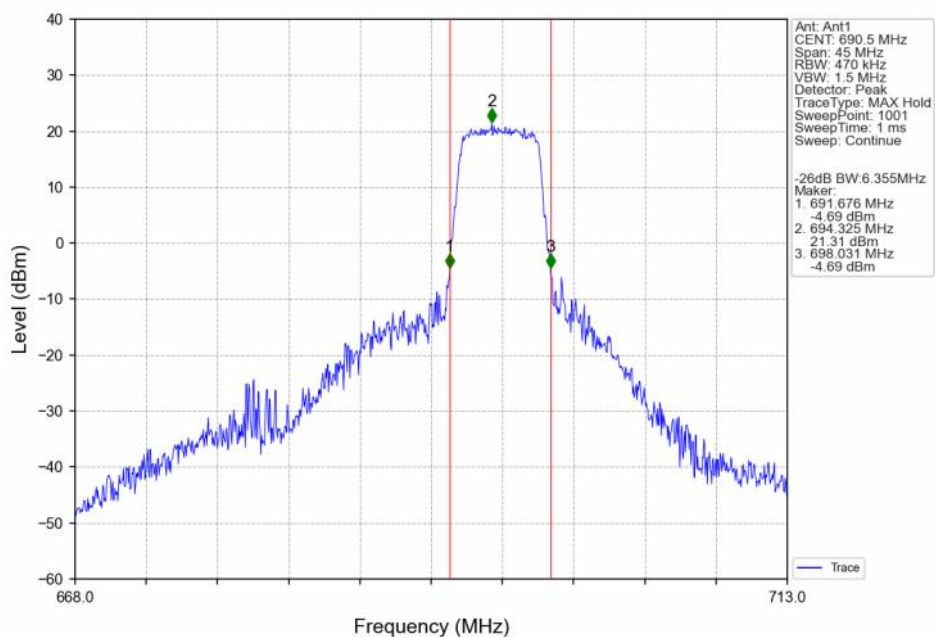
Band71_15MHz_16QAM_LCH_670.5MHz_RB_27_0_NTNV



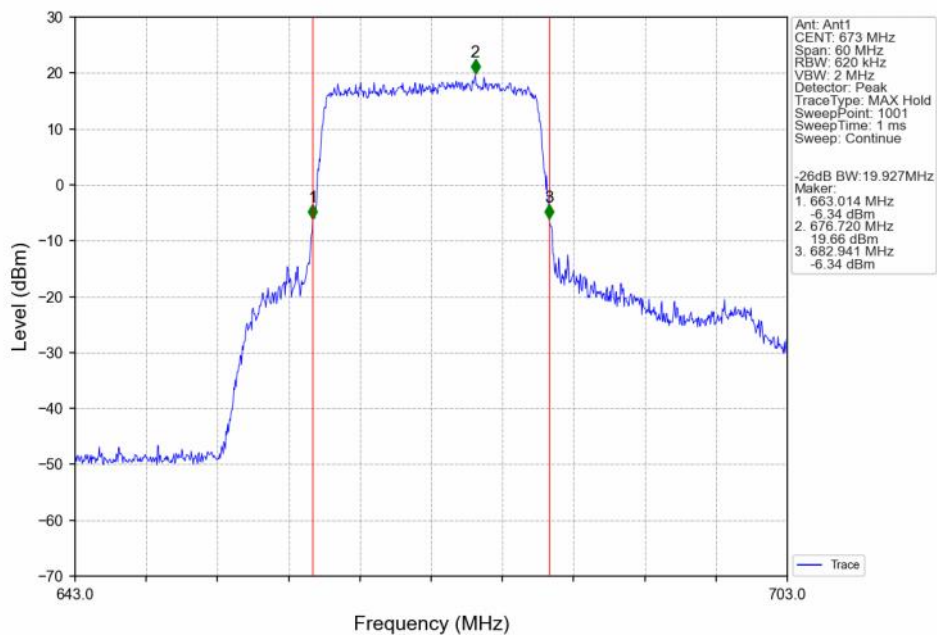
Band71_15MHz_16QAM_MCH_680.5MHz_RB_27_0_NTNV



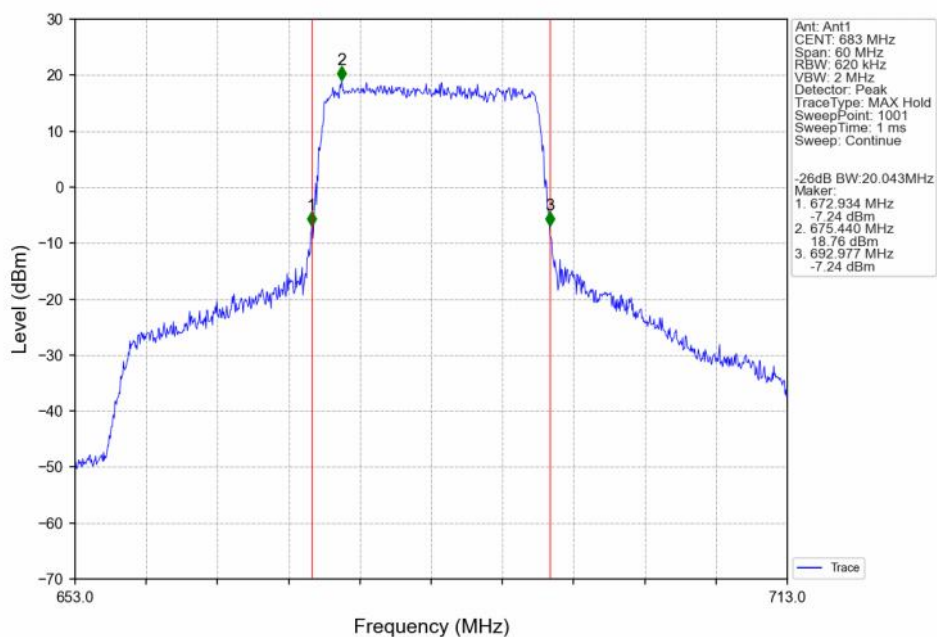
Band71_15MHz_16QAM_HCH_690.5MHz_RB_27_48_NTNV



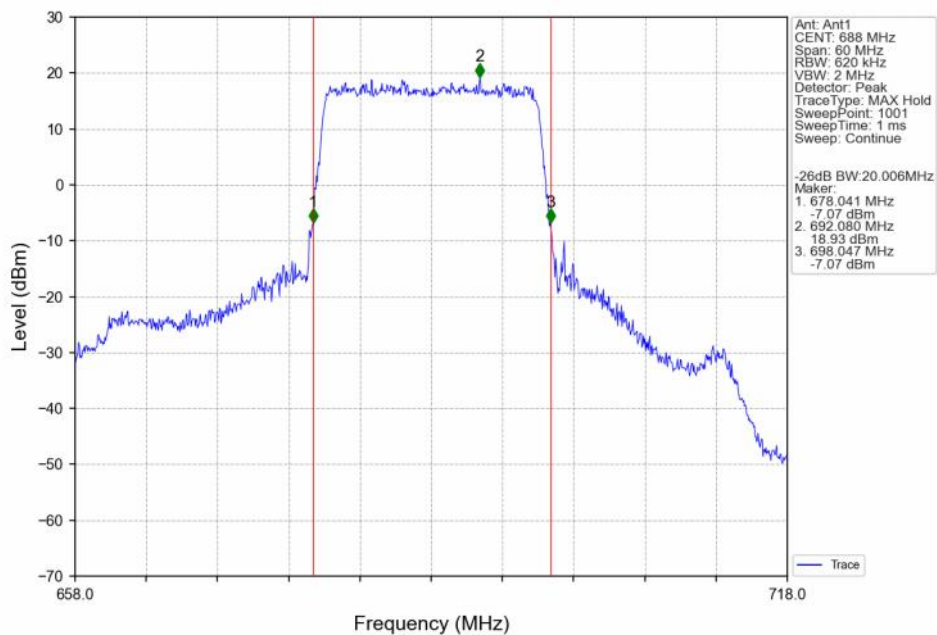
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV



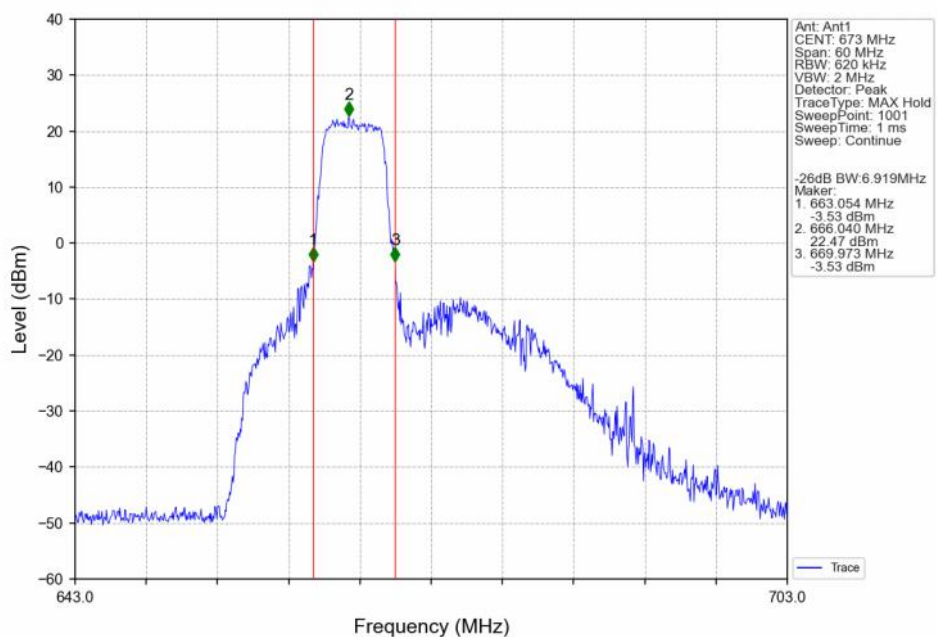
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



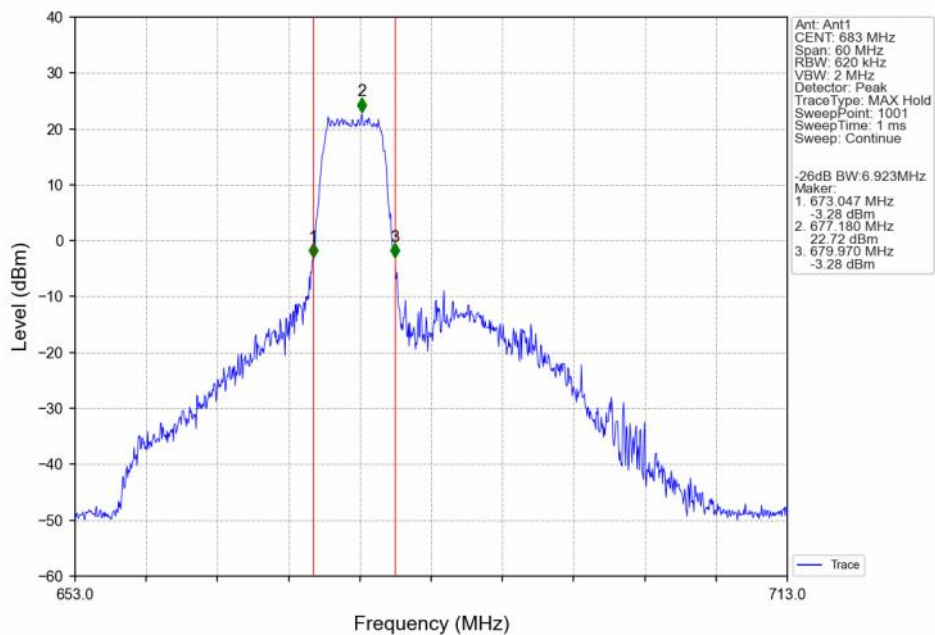
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTV



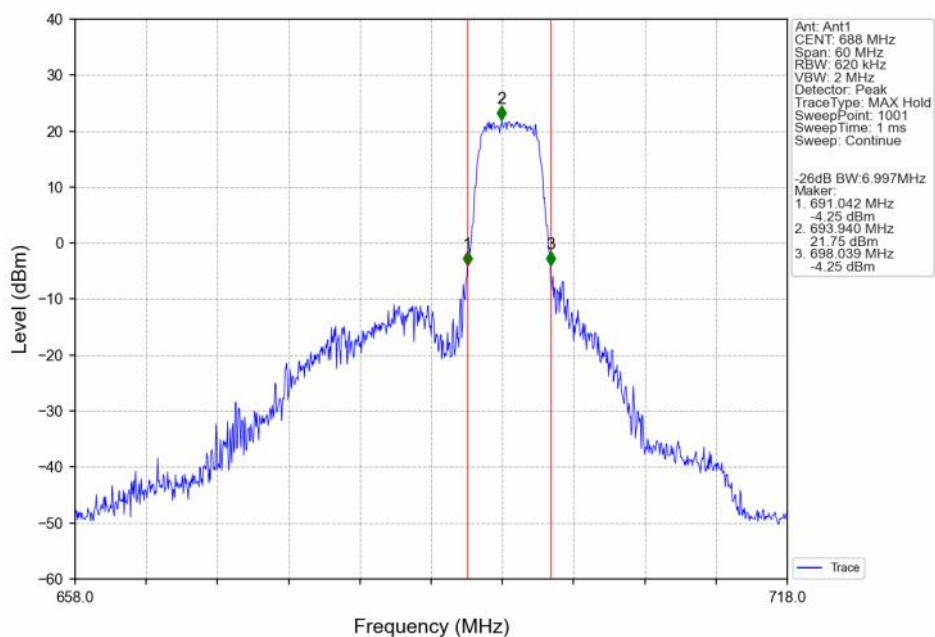
Band71 20MHz 16QAM LCH 673MHz RB 27 0 NTV



Band71 20MHz 16QAM MCH 683MHz RB 27 0 NTNV



Band71 20MHz 16QAM HCH 688MHz RB 27 73 NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	25	0	5.21	<=13	Pass
	680.5	25	0	5.35	<=13	Pass
	695.5	25	0	5.23	<=13	Pass
16QAM	665.5	25	0	6.12	<=13	Pass
	680.5	25	0	6.28	<=13	Pass
	695.5	25	0	6.20	<=13	Pass

5.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	668	50	0	5.34	<=13	Pass
	680.5	50	0	5.34	<=13	Pass
	693	50	0	5.26	<=13	Pass
16QAM	668	27	0	6.11	<=13	Pass
	680.5	27	0	6.21	<=13	Pass
	693	27	23	6.13	<=13	Pass

5.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	75	0	4.92	<=13	Pass
	680.5	75	0	4.85	<=13	Pass
	690.5	75	0	4.83	<=13	Pass
16QAM	670.5	27	0	6.99	<=13	Pass
	680.5	27	0	6.45	<=13	Pass
	690.5	27	48	6.42	<=13	Pass

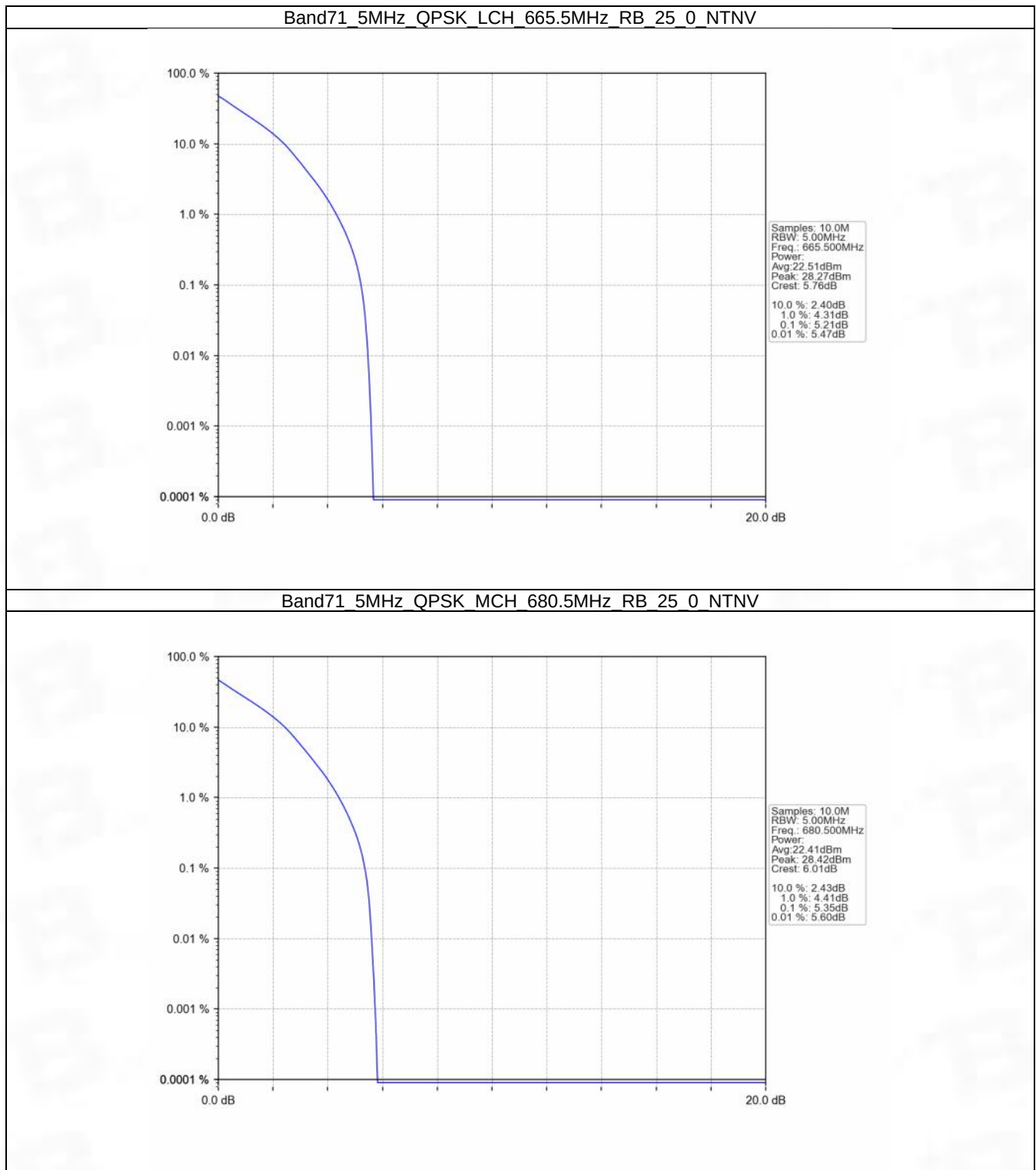
5.1.4 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.65	<=13	Pass
	683	100	0	5.65	<=13	Pass
	688	100	0	5.69	<=13	Pass
16QAM	673	27	0	7.65	<=13	Pass
	683	27	0	7.63	<=13	Pass

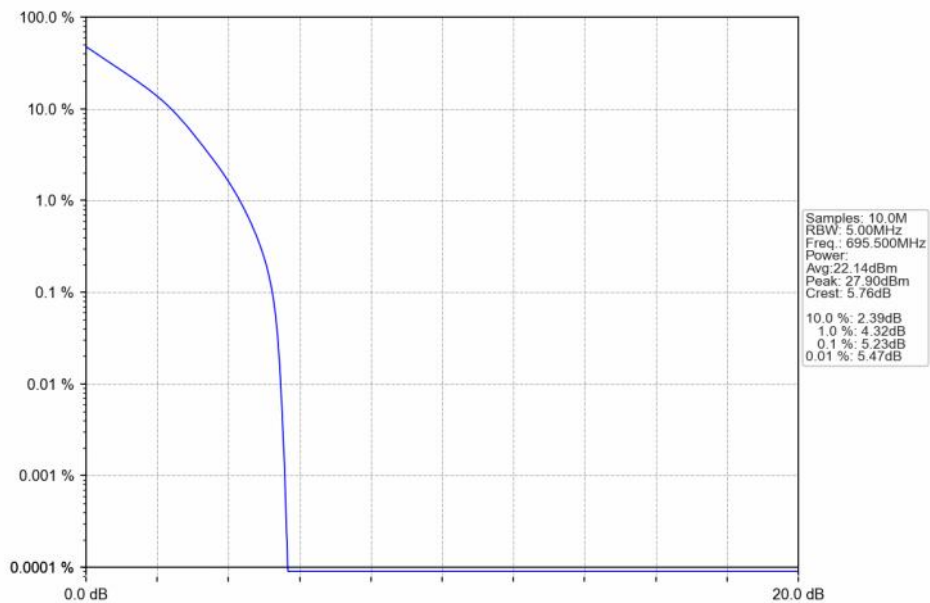
	688	27	73	7.76	<=13	Pass
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5.2 Test Graph

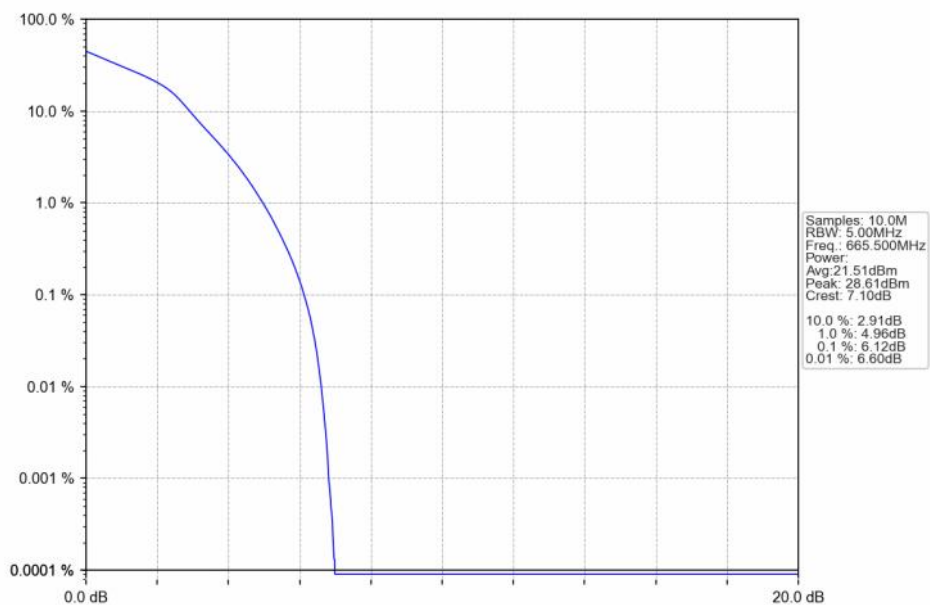
5.2.1 B71_5MHz



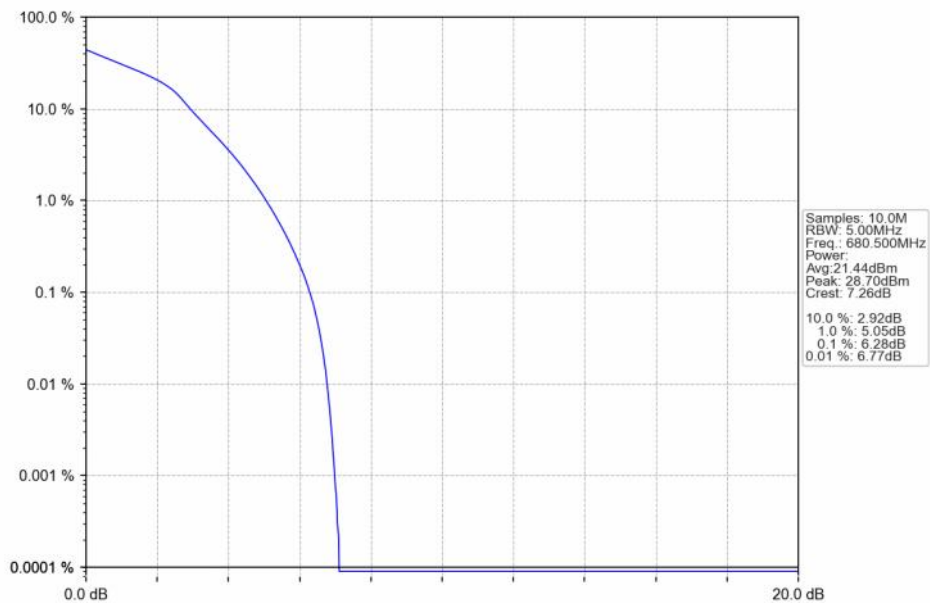
Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTN



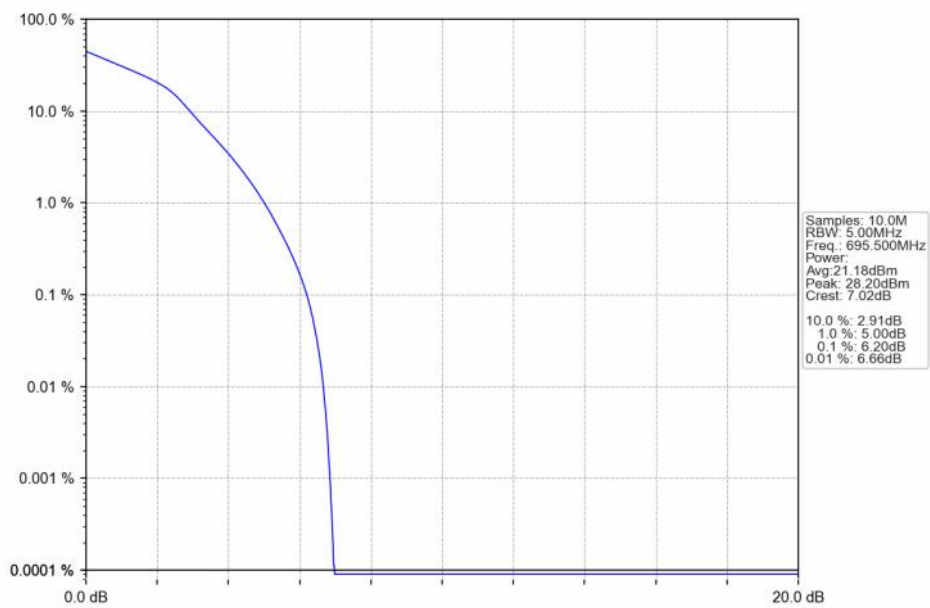
Band71 5MHz 16QAM LCH 665.5MHz RB 25 0 NTN



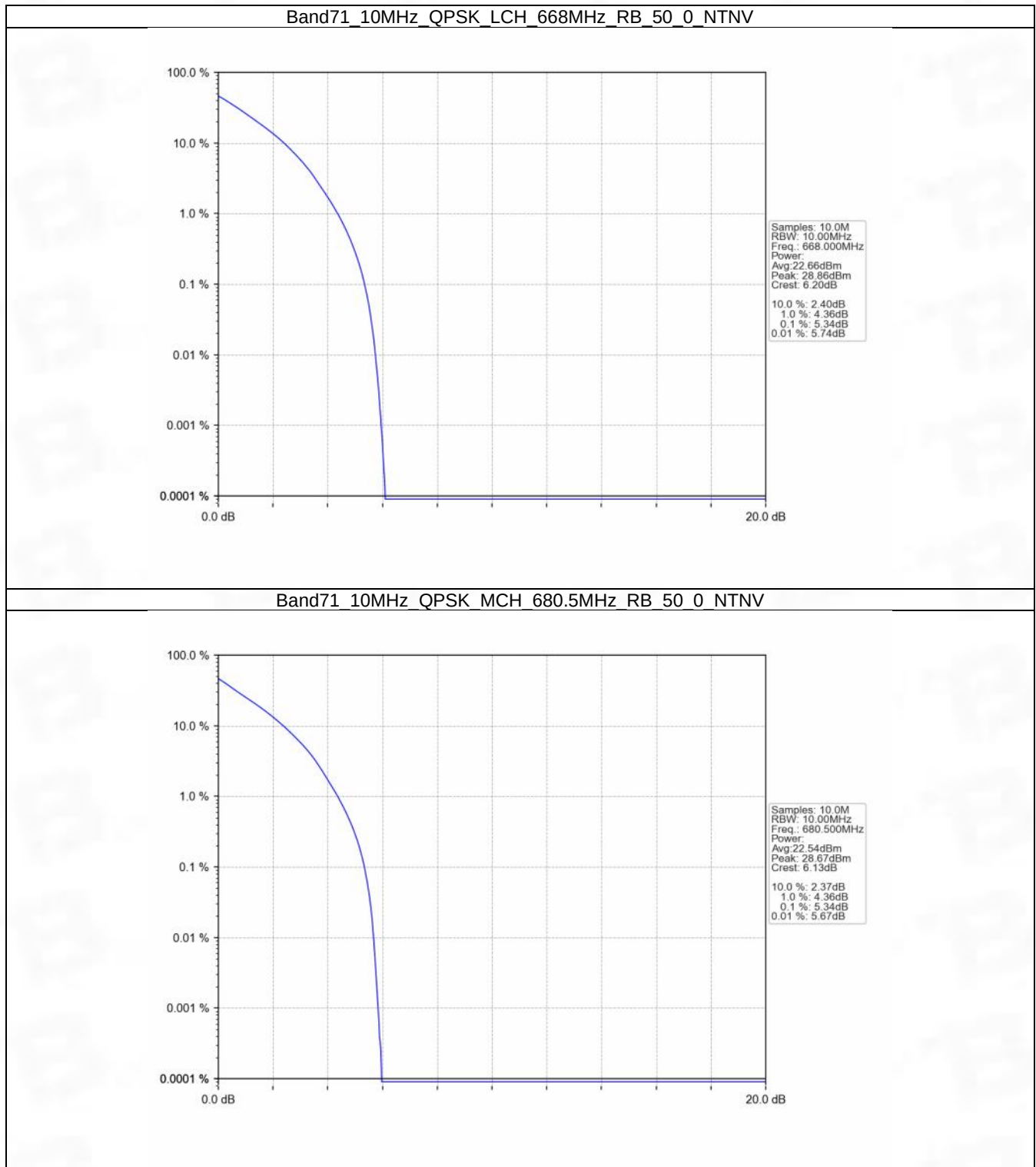
Band71 5MHz 16QAM MCH 680.5MHz RB 25 0 NTNV



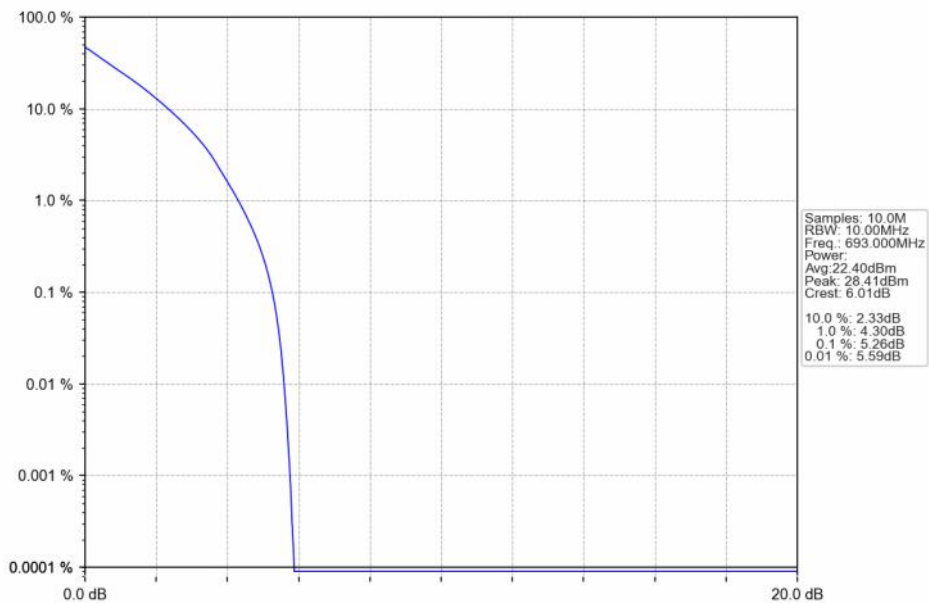
Band71 5MHz 16QAM HCH 695.5MHz RB 25 0 NTNV



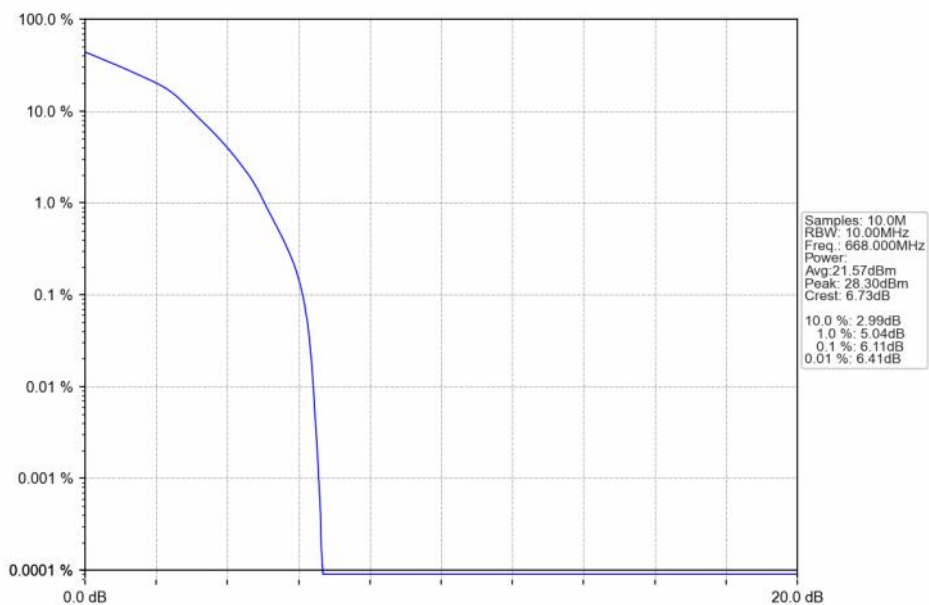
5.2.2 B71_10MHz



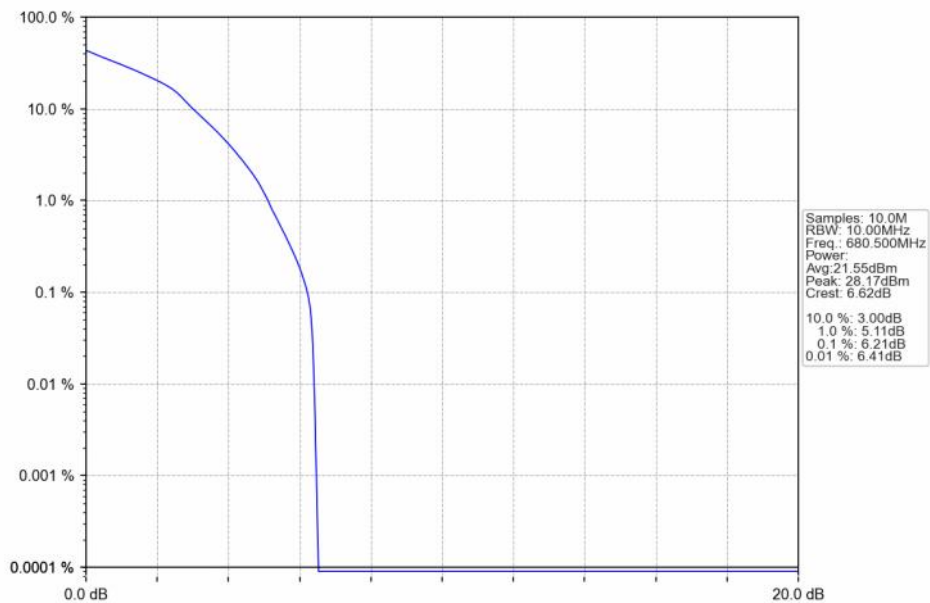
Band71 10MHz QPSK HCH 693MHz RB 50 0 NTN



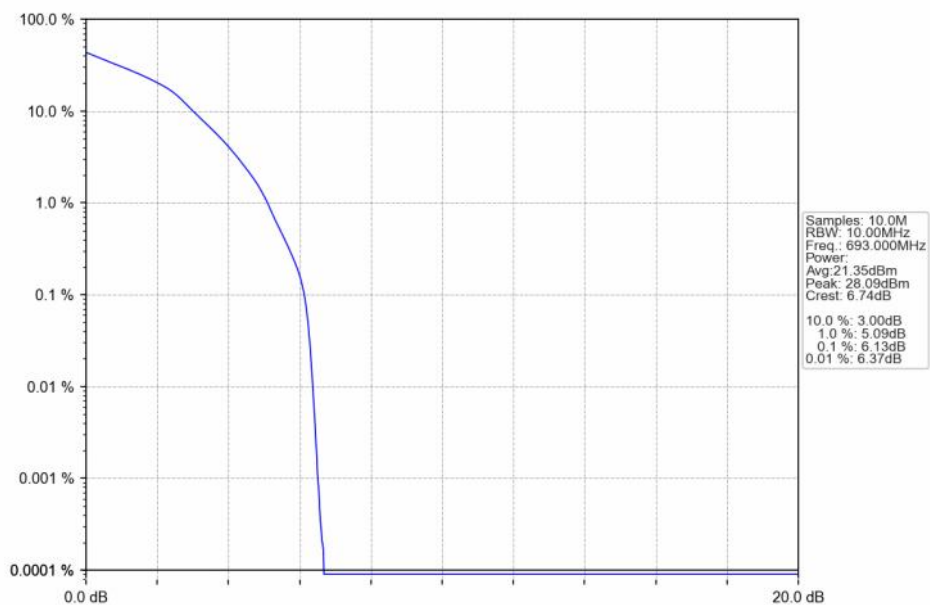
Band71 10MHz 16QAM LCH 668MHz RB 27 0 NTN



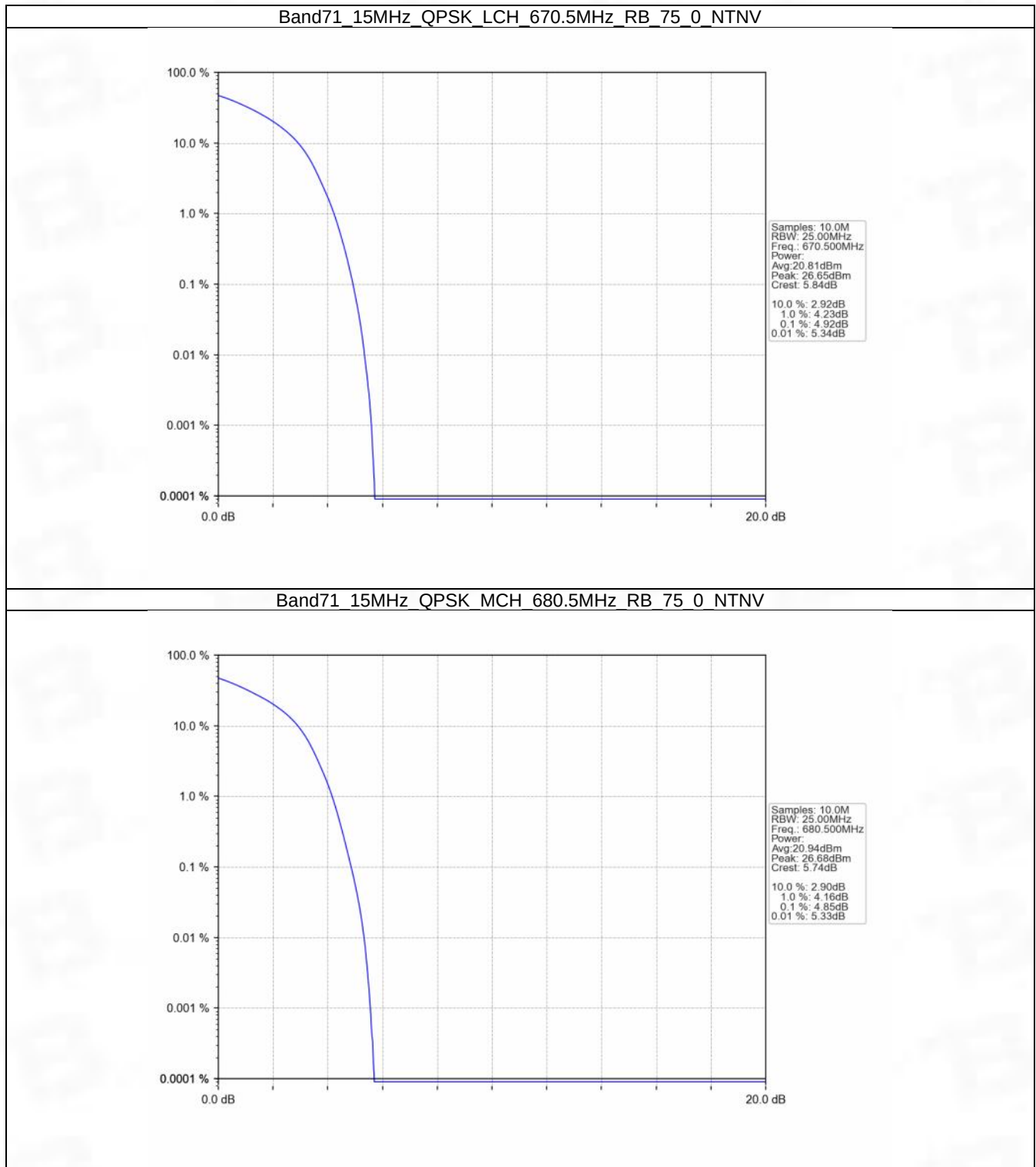
Band71 10MHz 16QAM MCH 680.5MHz RB 27 0 NTNV



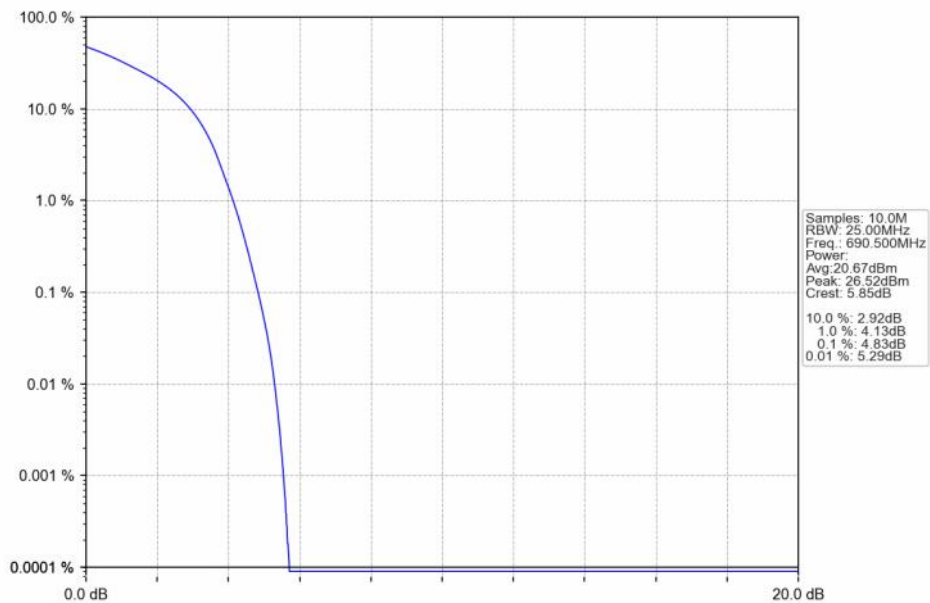
Band71 10MHz 16QAM HCH 693MHz RB 27 23 NTNV



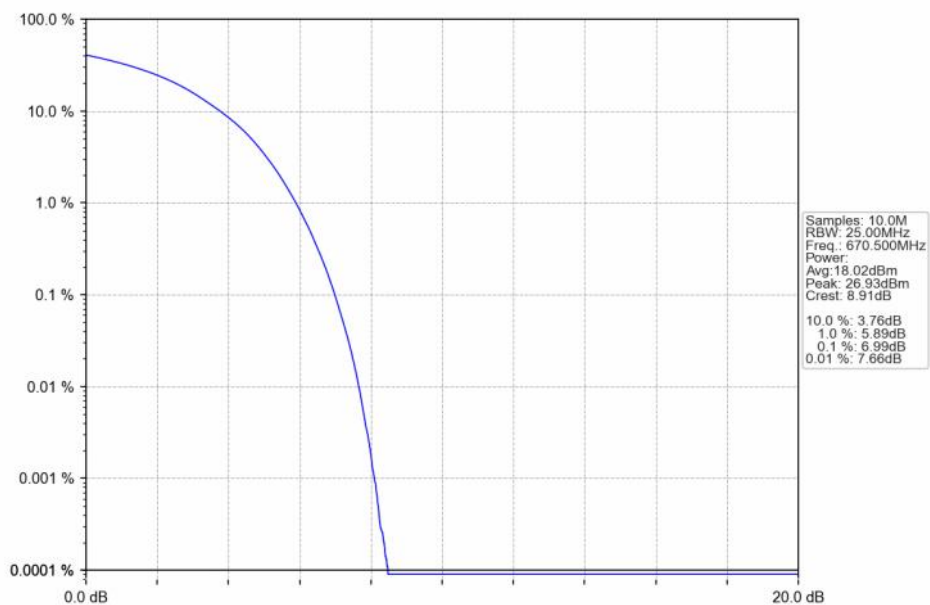
5.2.3 B71_15MHz



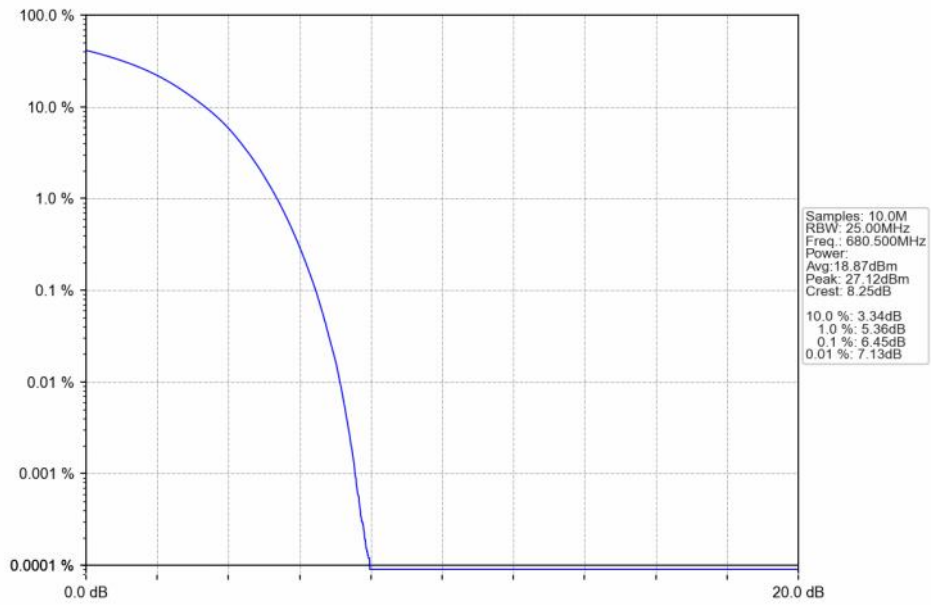
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



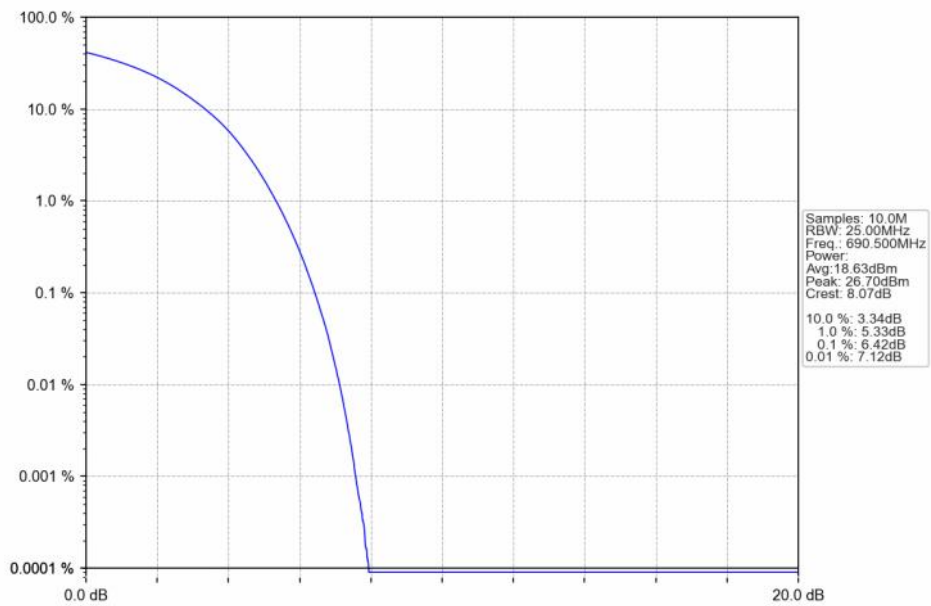
Band71_15MHz_16QAM_LCH_670.5MHz_RB_27_0_NTNV



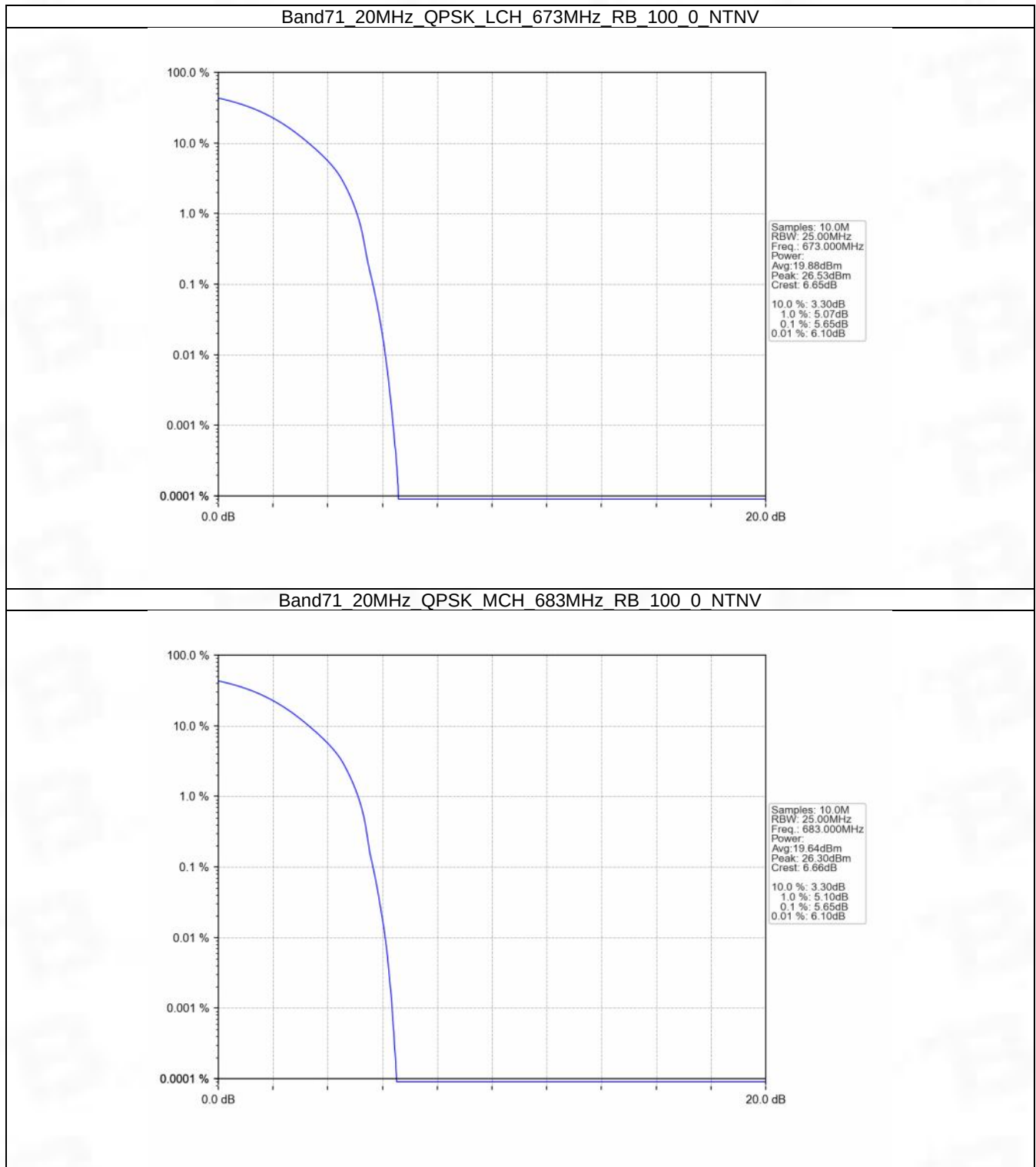
Band71 15MHz 16QAM MCH 680.5MHz RB 27 0 NTNV



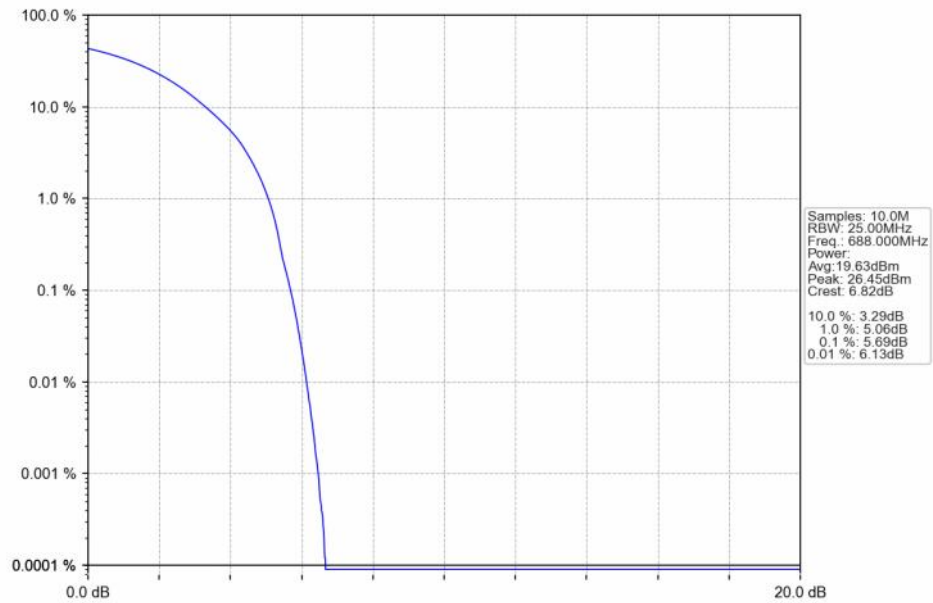
Band71 15MHz 16QAM HCH 690.5MHz RB 27 48 NTNV



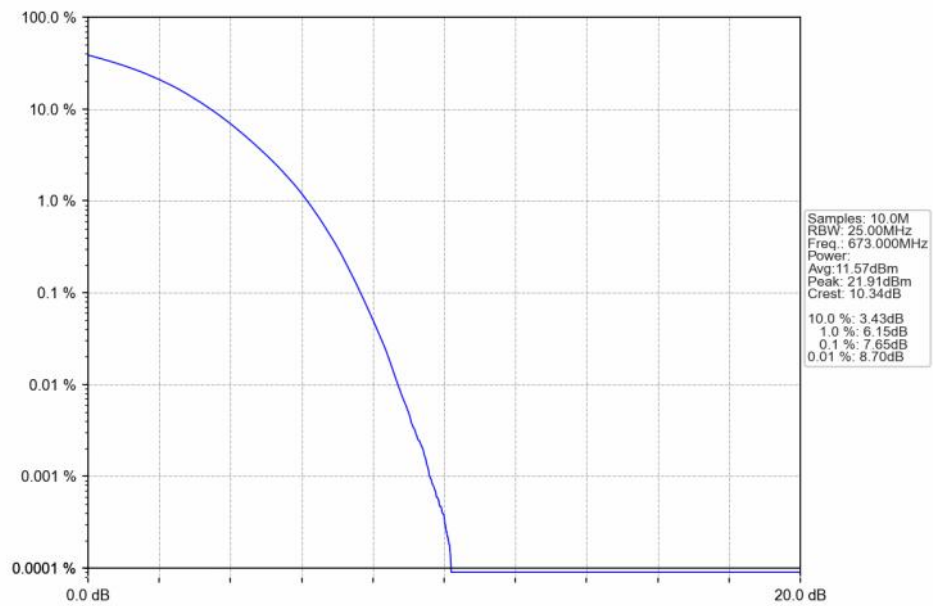
5.2.4 B71_20MHz



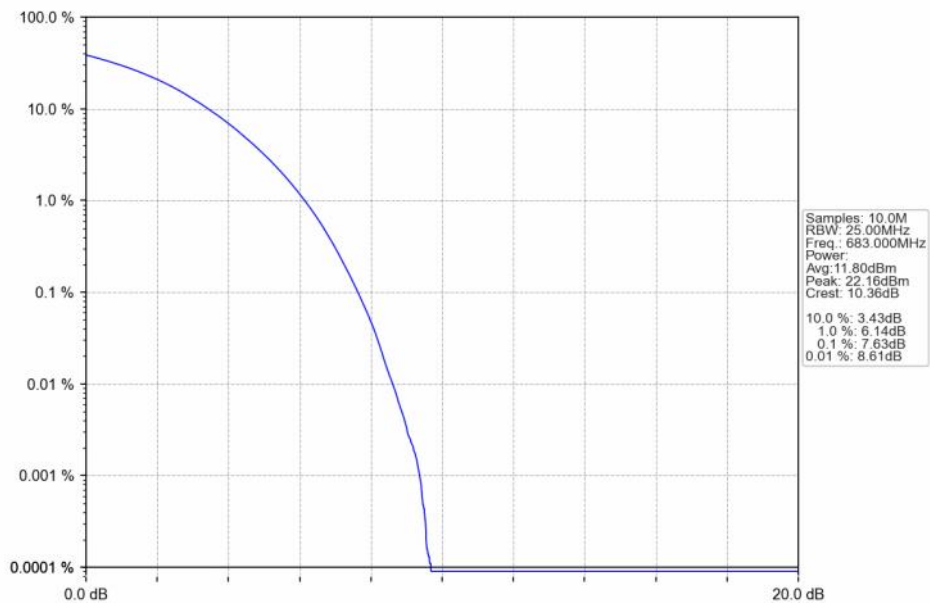
Band71 20MHz QPSK HCH 688MHz RB 100 0 NTNV



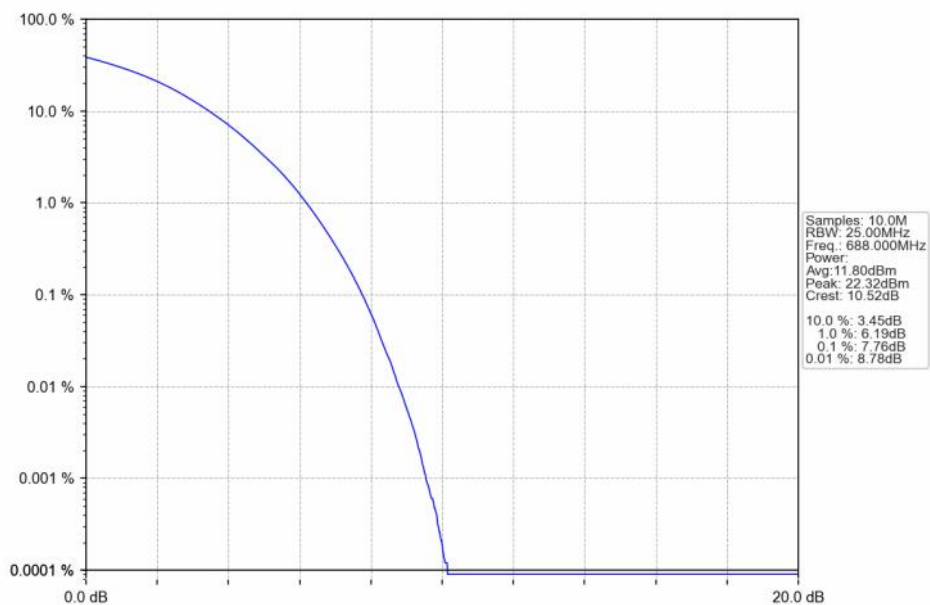
Band71 20MHz 16QAM LCH 673MHz RB 27 0 NTNV



Band71 20MHz 16QAM MCH 683MHz RB 27 0 NTNV



Band71 20MHz 16QAM HCH 688MHz RB 27 73 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 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
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
16QAM	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
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.2 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
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	668	1	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

6.1.3 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
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	670.5	1	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	690.5	1	0	Refer To Test Graph		Pass

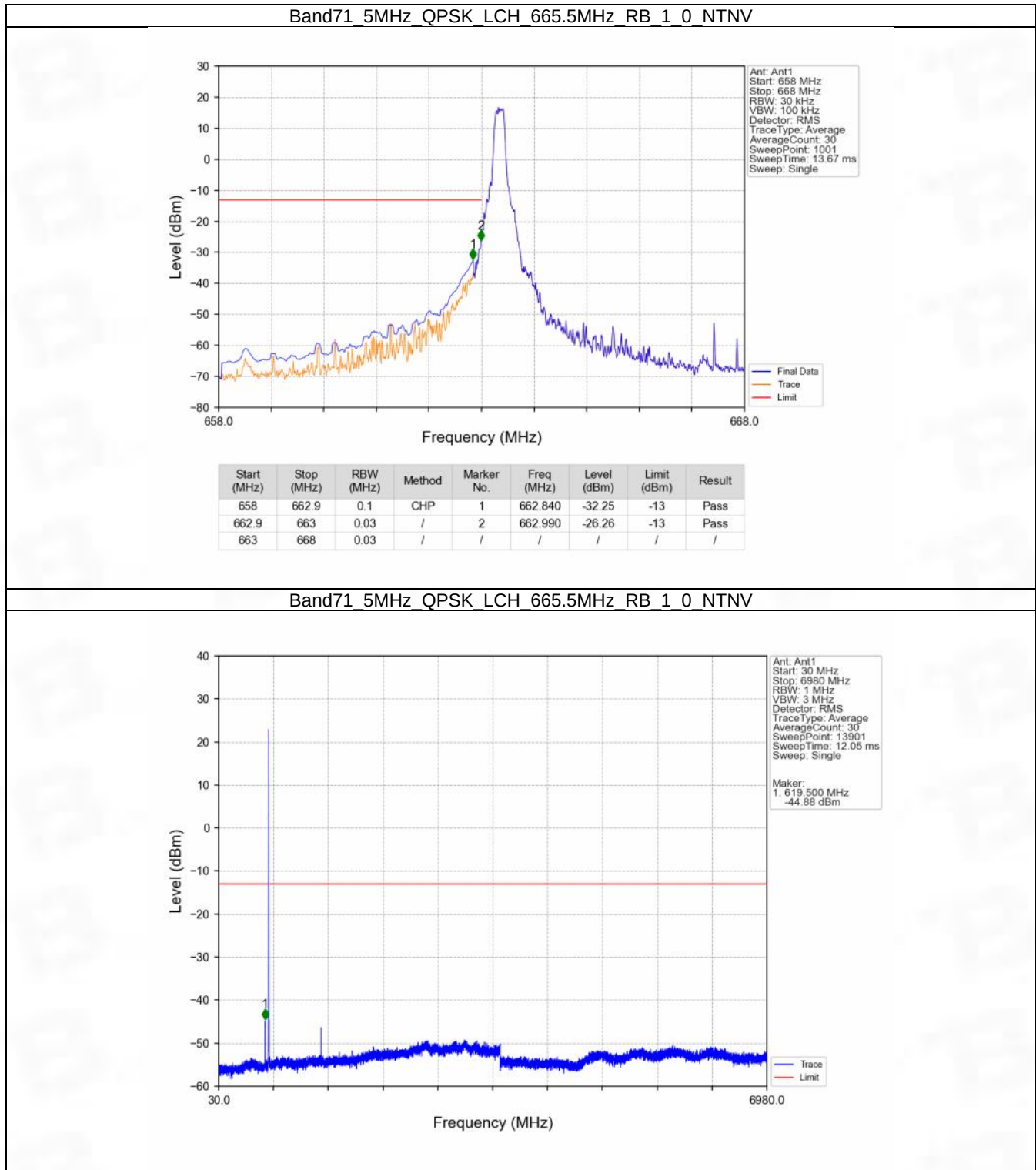
			74	Refer To Test Graph	Pass
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6.1.4 B71_20MHz

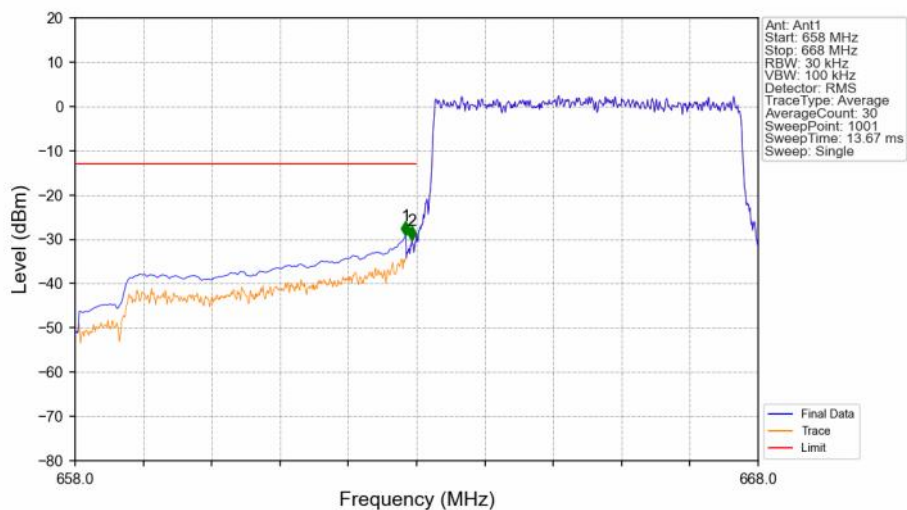
Band: 71 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	673	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	683	1	0	Refer To Test Graph	Pass
	688	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
16QAM	673	1	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

6.2 Test Graph

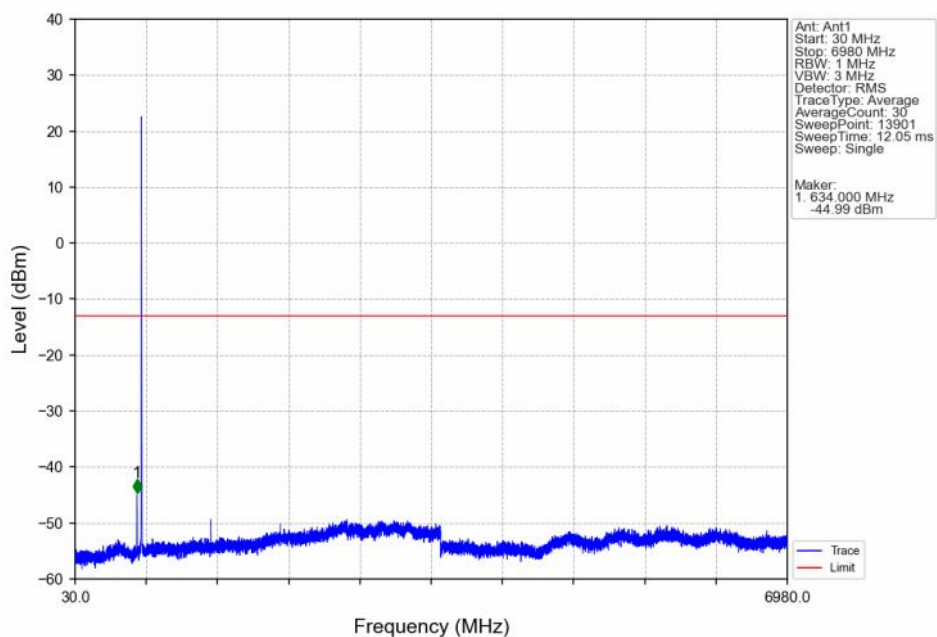
6.2.1 B71_5MHz



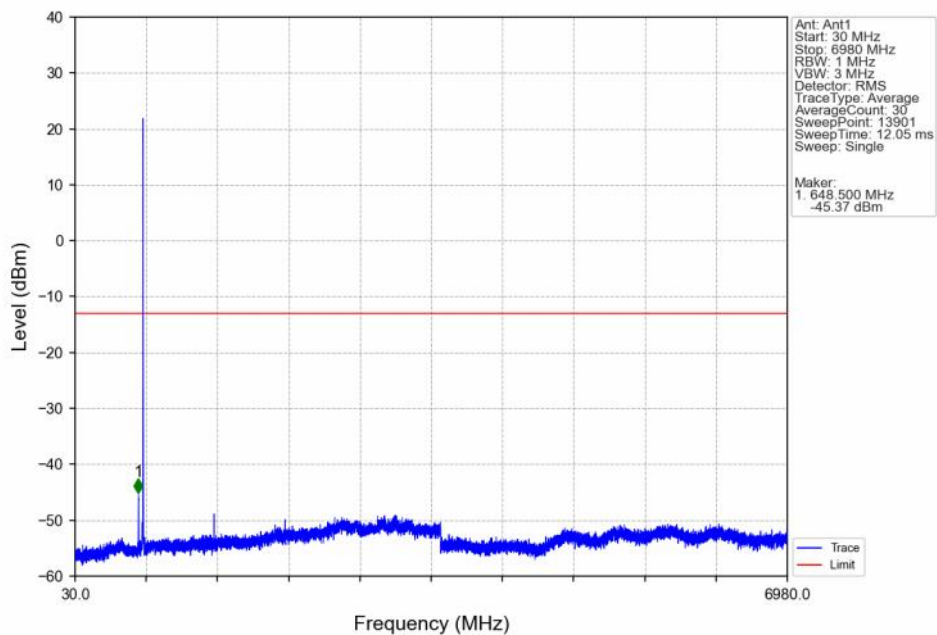
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



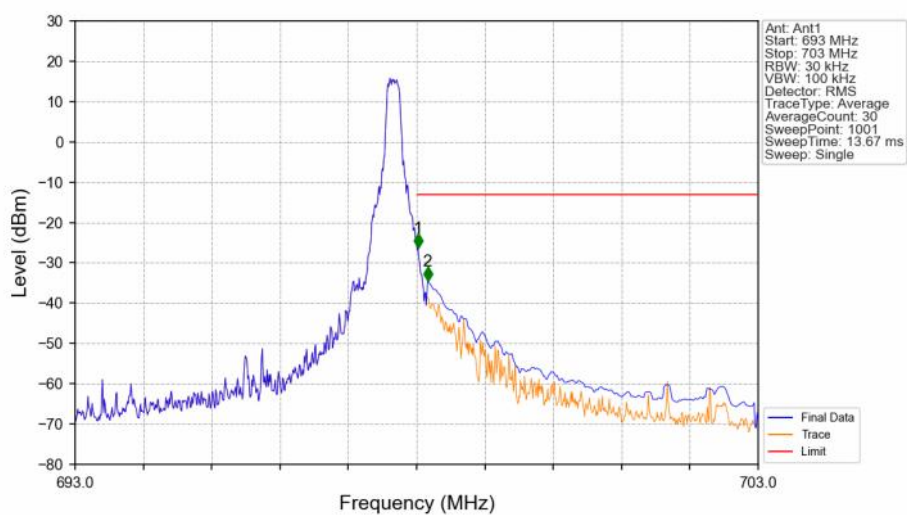
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71 5MHz QPSK HCH 695.5MHz RB 1 0 NTN

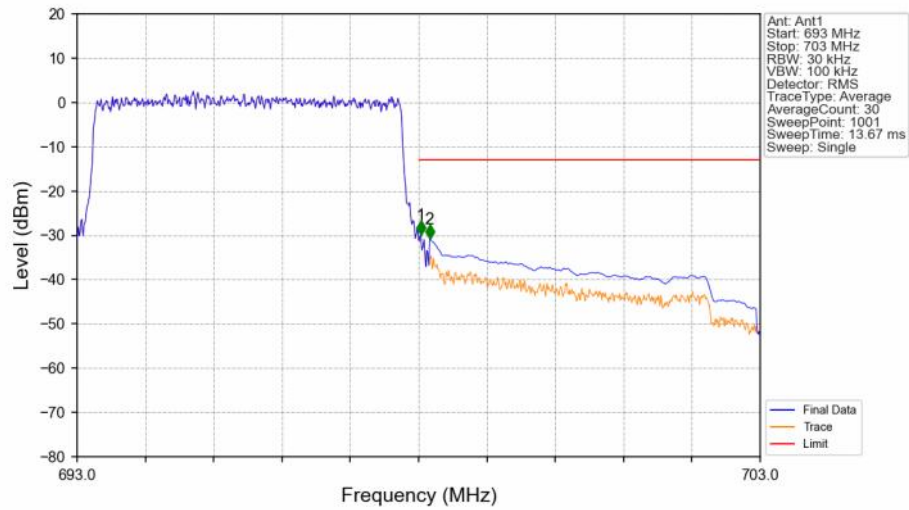


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24 NTN



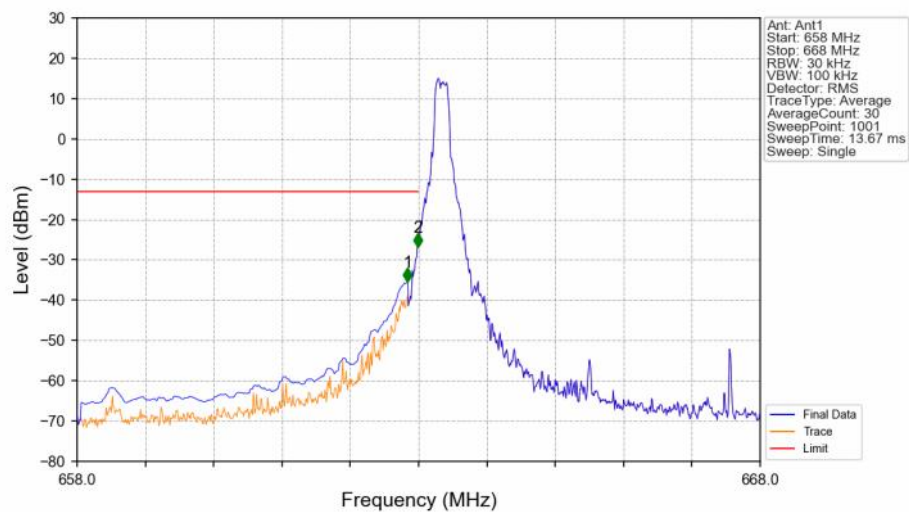
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.020	-26.23	-13	Pass
698.1	703	0.1	CHP	2	698.160	-34.53	-13	Pass

Band71 5MHz QPSK HCH 695.5MHz RB 25 0 NTV



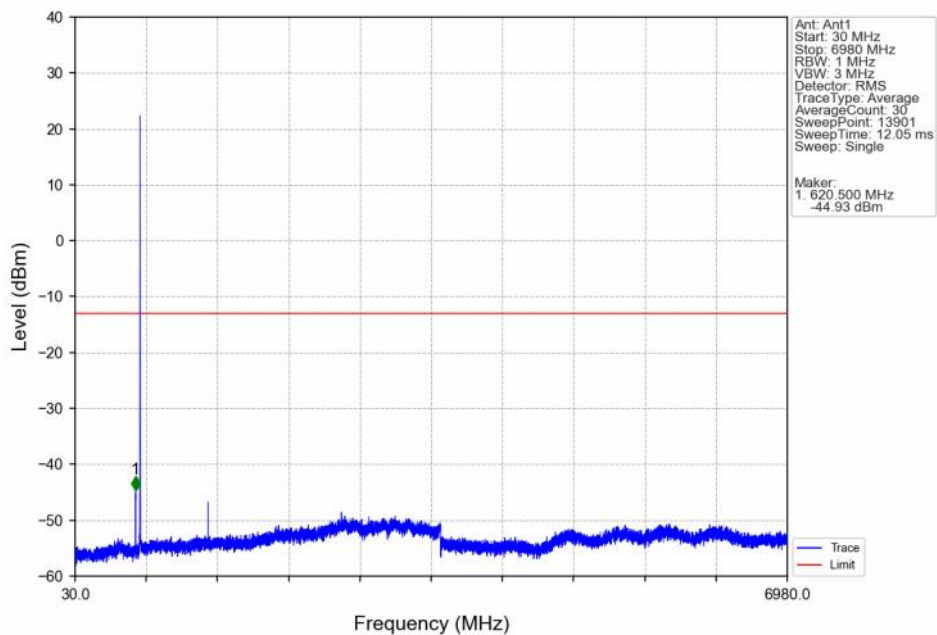
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.030	-29.84	-13	Pass
698.1	703	0.1	CHP	2	698.160	-30.76	-13	Pass

Band71_5MHz_16QAM_LCH_665.5MHz_RB_1_0_NTV

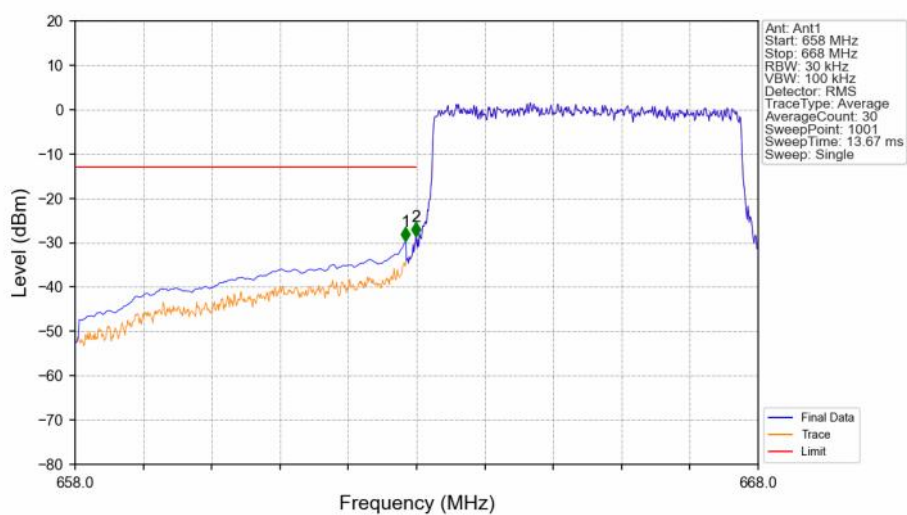


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-35.49	-13	Pass
662.9	663	0.03	/	2	662.990	-26.76	-13	Pass
663	668	0.03	/	/	/	/	/	/

Band71 5MHz 16QAM LCH 665.5MHz RB 1 0 NTNV

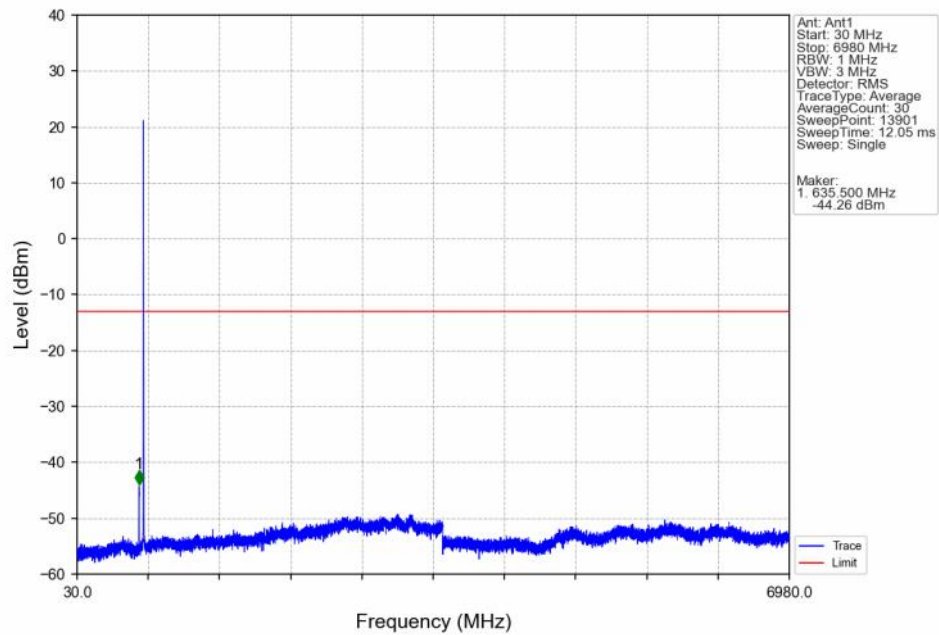


Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV

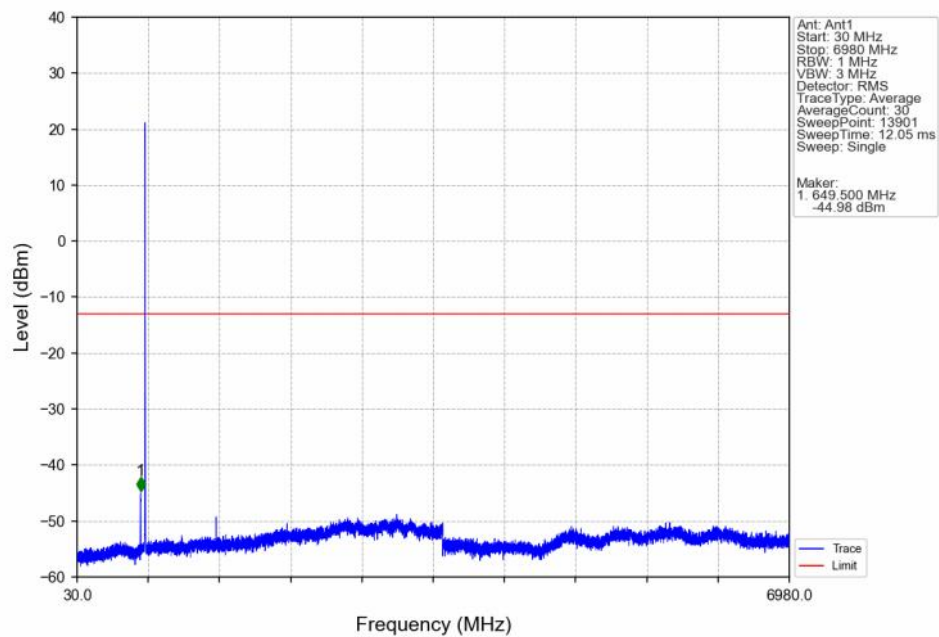


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-29.70	-13	Pass
662.9	663	0.03	/	2	662.990	-28.58	-13	Pass
663	668	0.03	/	/	/	/	/	/

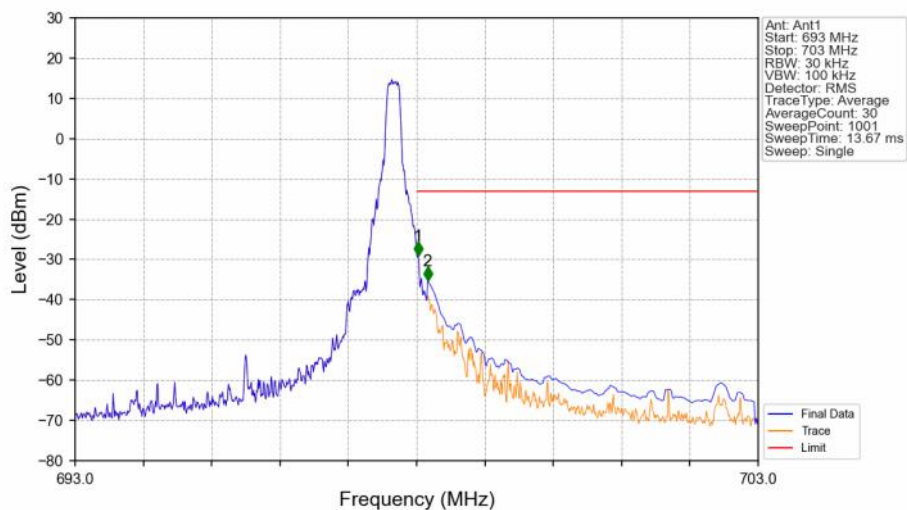
Band71_5MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



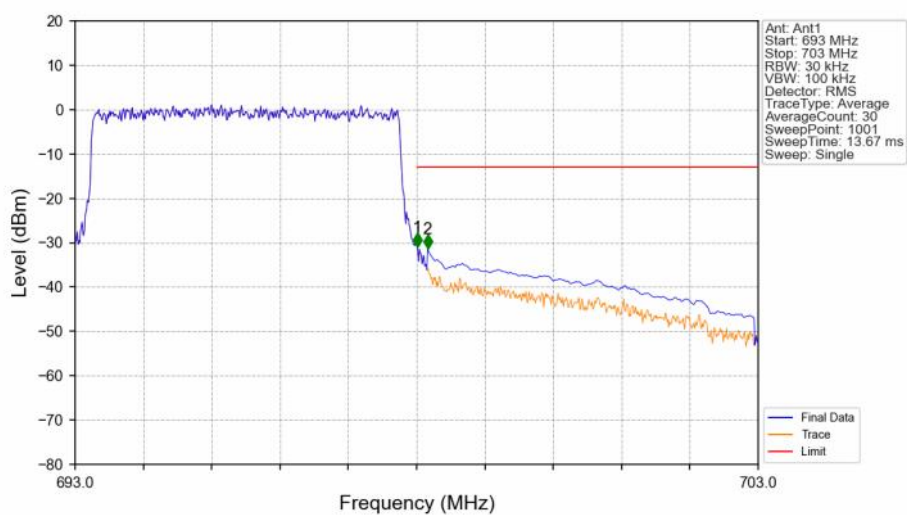
Band71_5MHz_16QAM_HCH_695.5MHz_RB_1_0_NTNV



Band71 5MHz 16QAM HCH 695.5MHz RB 1 24 NTNV

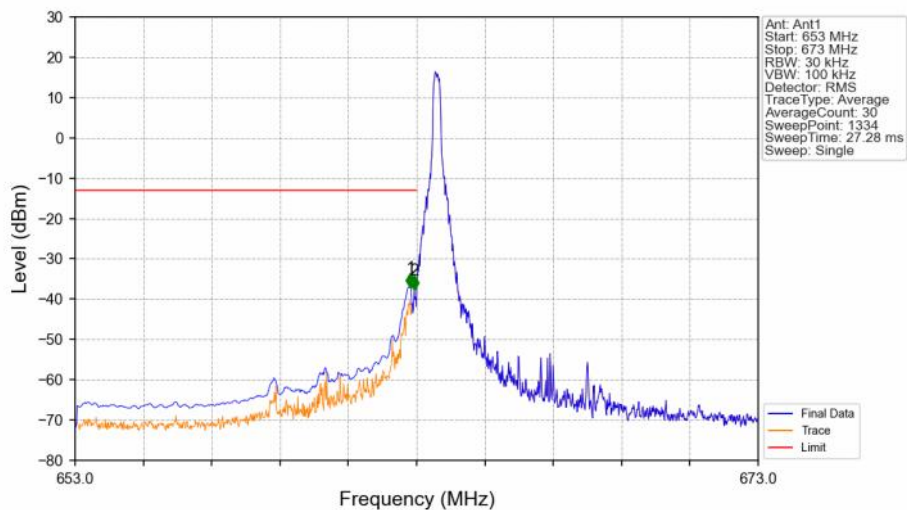


Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV

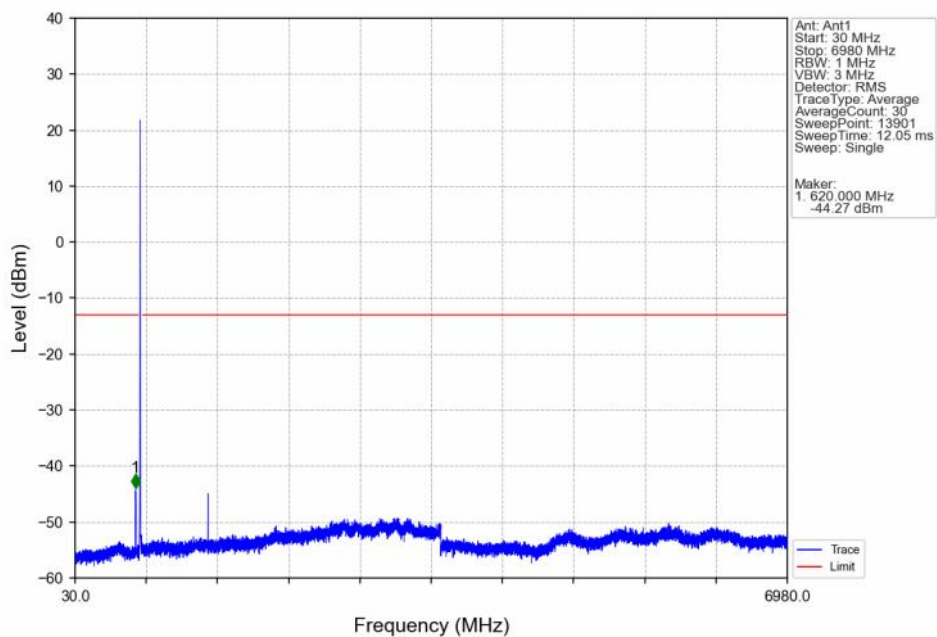


6.2.2 B71_10MHz

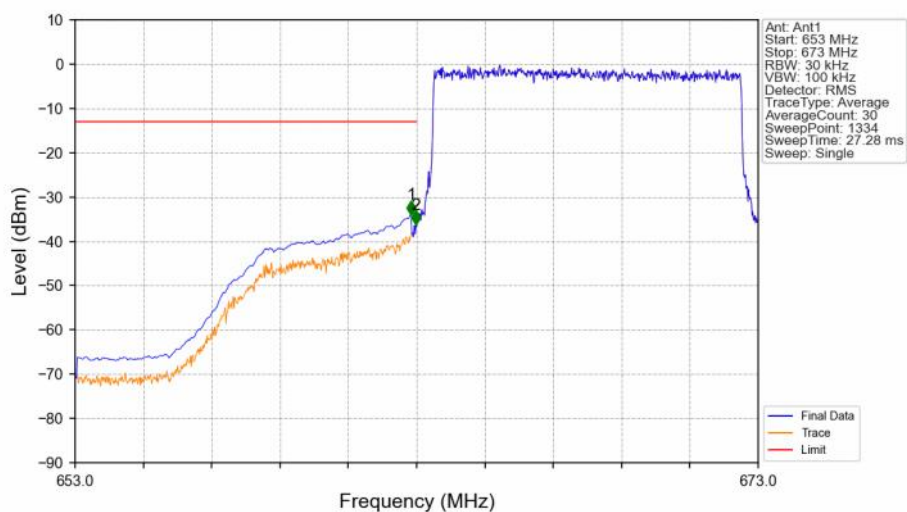
Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

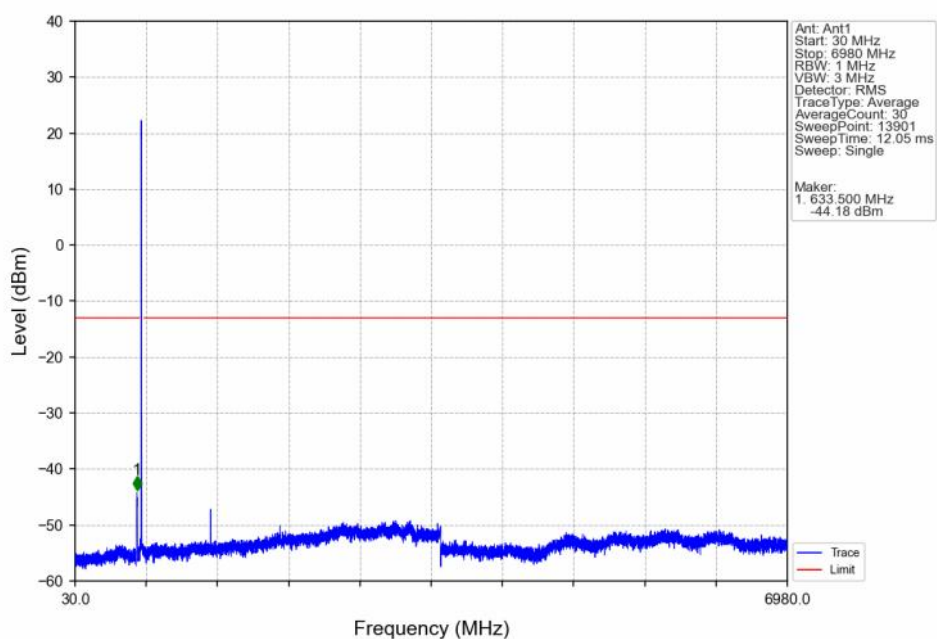


Band71 10MHz QPSK LCH 668MHz RB 50 0 NTN

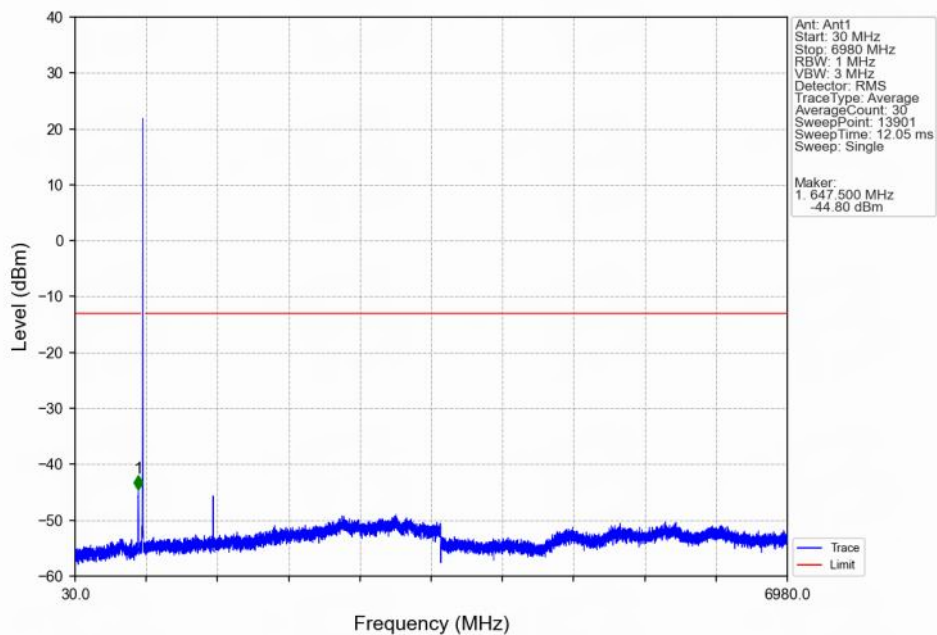


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.842	-33.93	-13	Pass
662.9	663	0.03	/	2	662.977	-36.24	-13	Pass
663	673	0.03	/	/	/	/	/	/

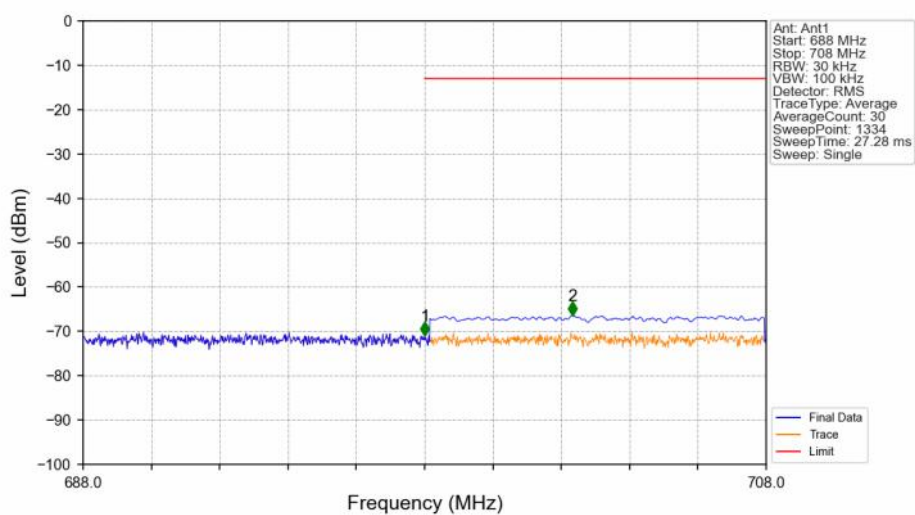
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0 NTN



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

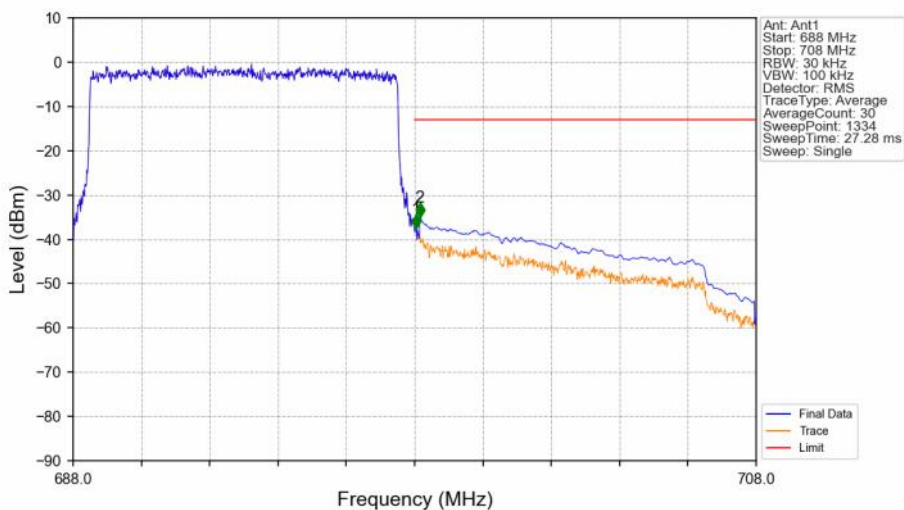


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



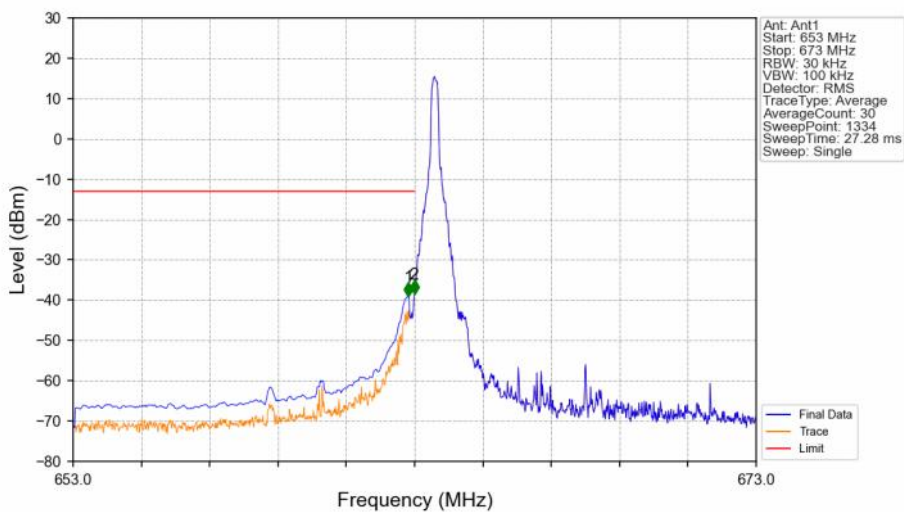
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.008	-71.07	-13	Pass
698.1	708	0.1	CHP	2	702.329	-66.43	-13	Pass

Band71 10MHz QPSK HCH 693MHz RB 50 0 NTNV



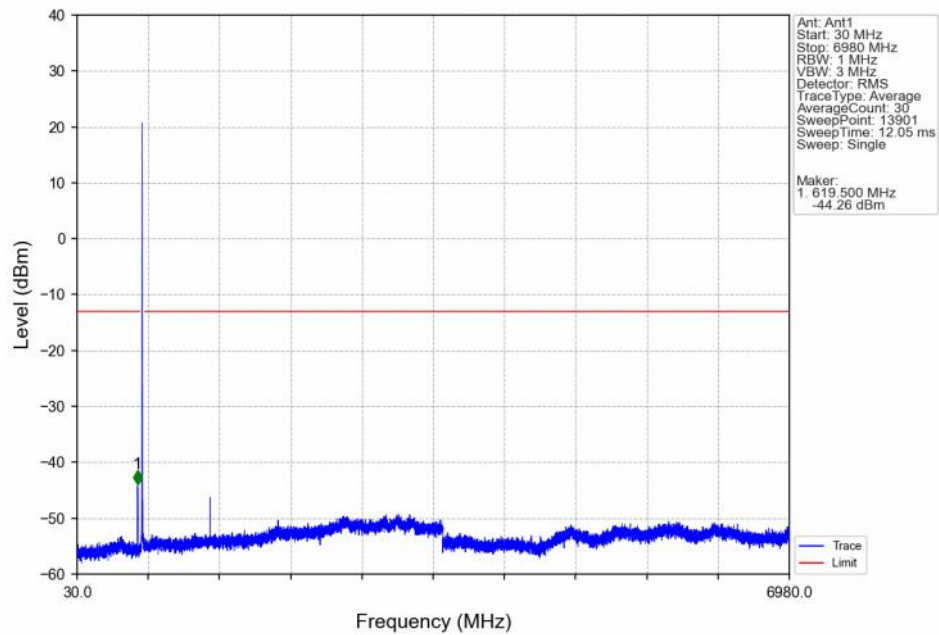
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.038	-37.47	-13	Pass
698.1	708	0.1	CHP	2	698.158	-35.02	-13	Pass

Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTNV

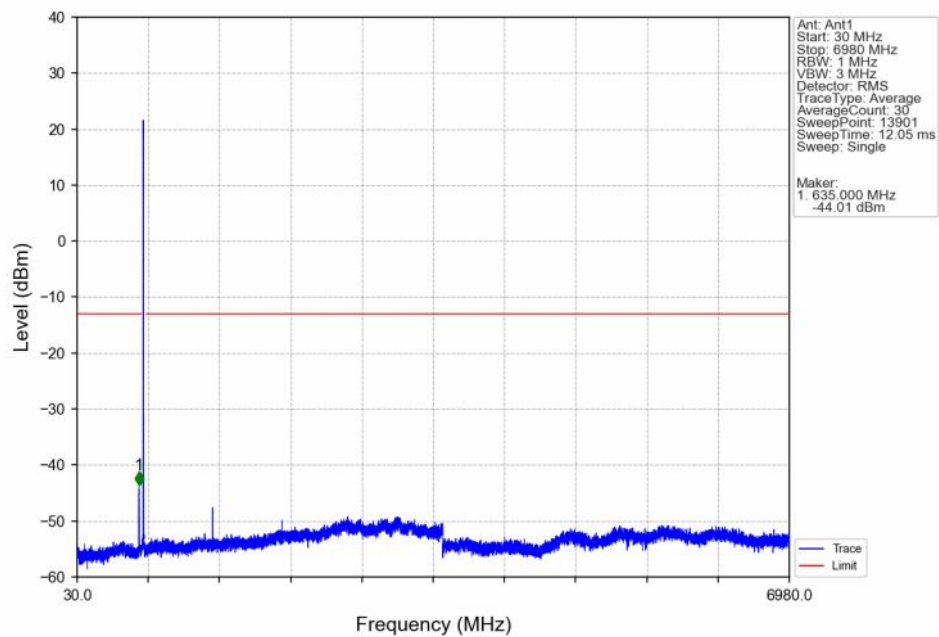


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.812	-39.14	-13	Pass
662.9	663	0.03	/	2	662.992	-38.52	-13	Pass
663	673	0.03	/	/	/	/	/	/

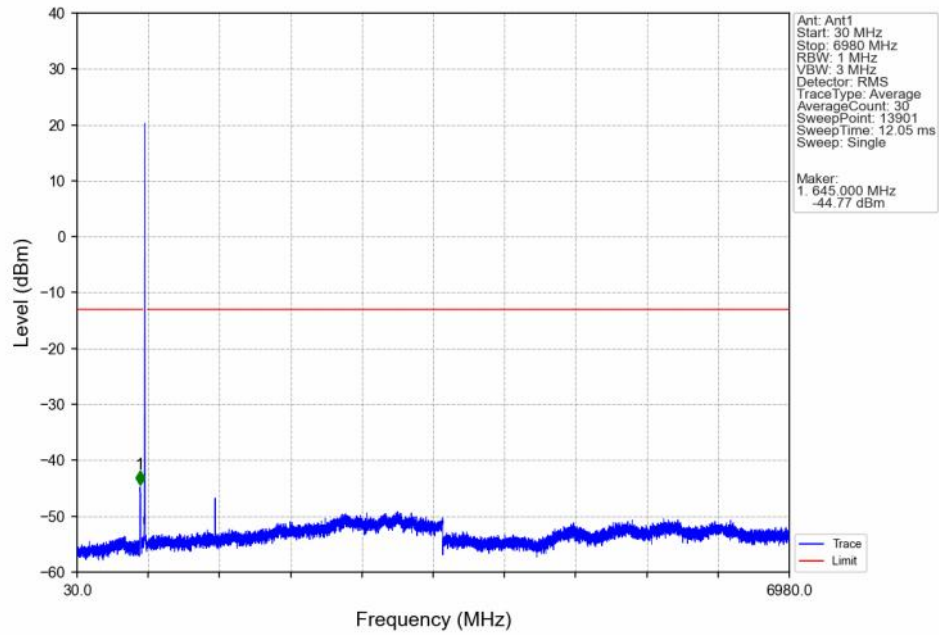
Band71 10MHz 16QAM LCH 668MHz RB 1 0 NTN



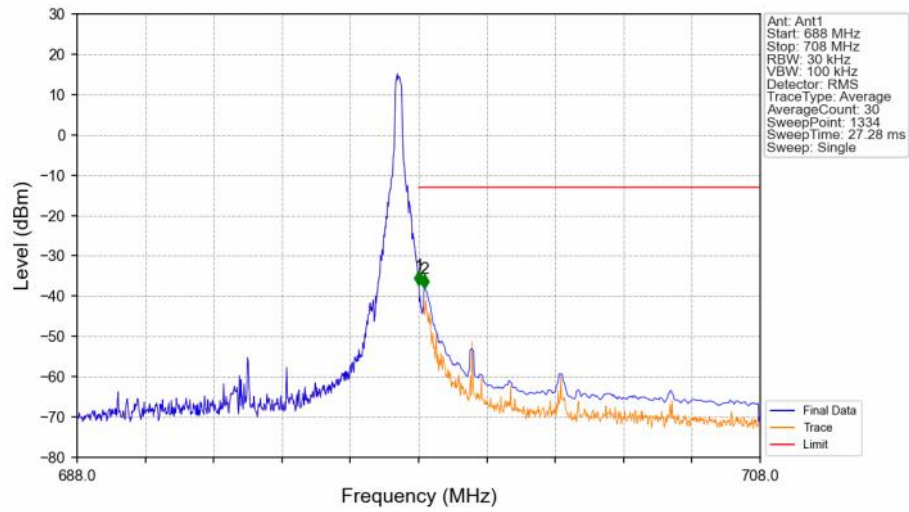
Band71 10MHz 16QAM MCH 680.5MHz RB 1 0 NTN



Band71 10MHz 16QAM HCH 693MHz RB 1 0 NTNV



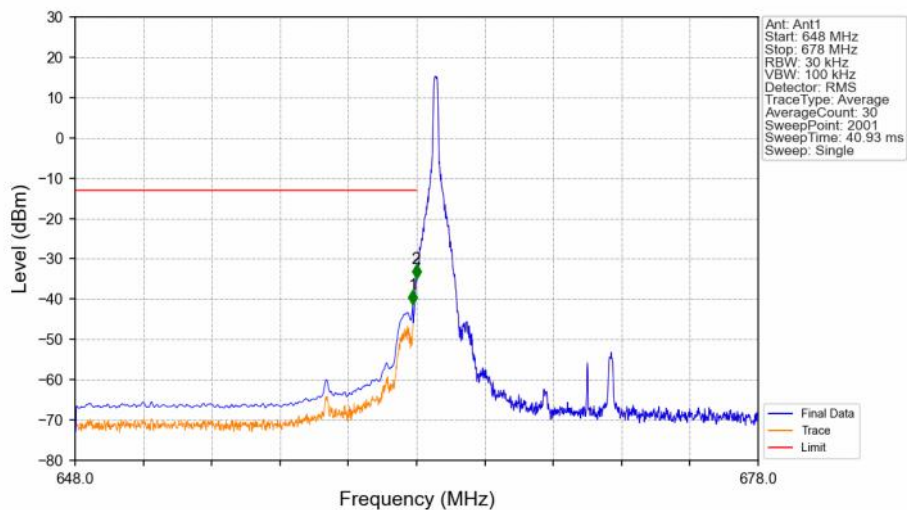
Band71_10MHz_16QAM_HCH_693MHz_RB_1_49_NTNV



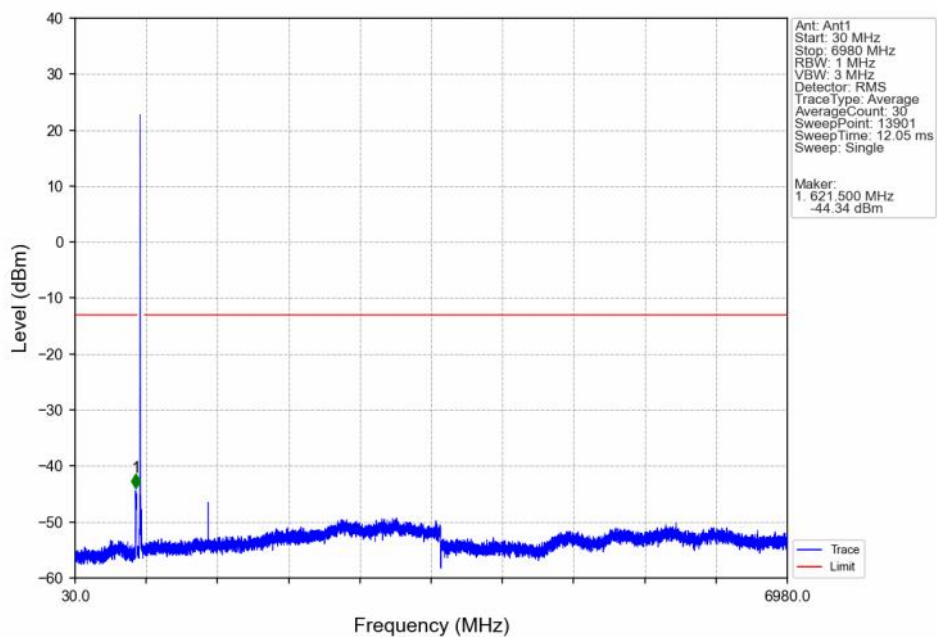
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.008	-37.32	-13	Pass
698.1	708	0.1	CHP	2	698.173	-38.03	-13	Pass

6.2.3 B71_15MHz

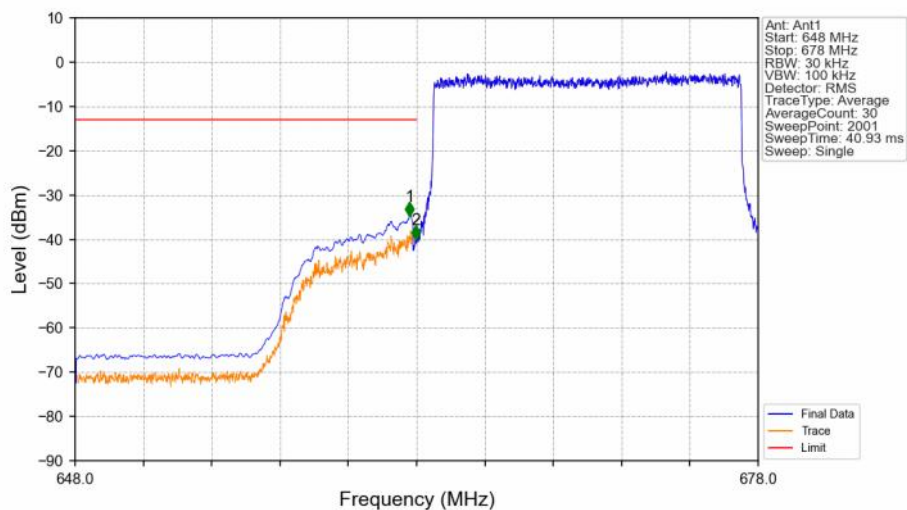
Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV



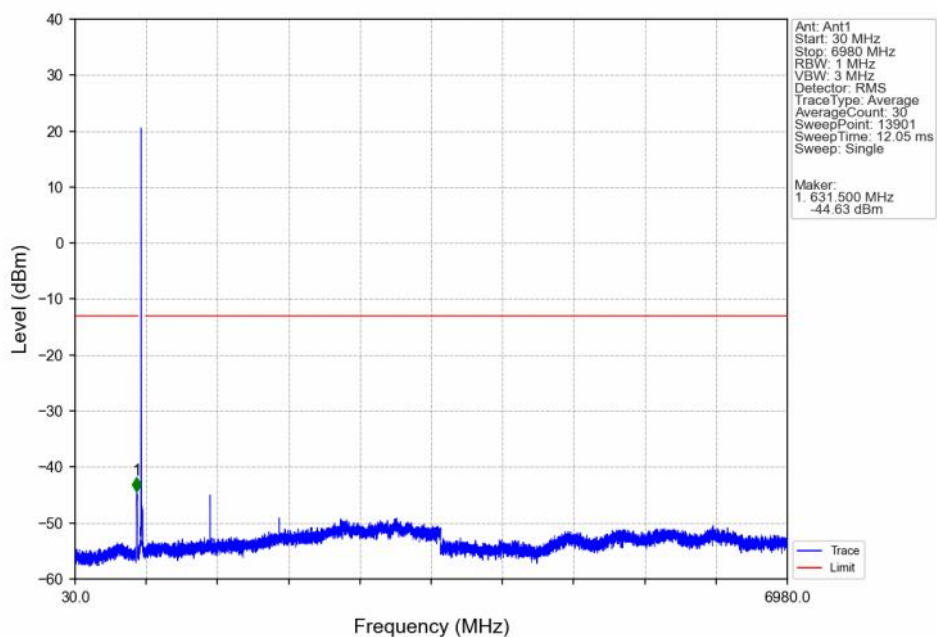
Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV



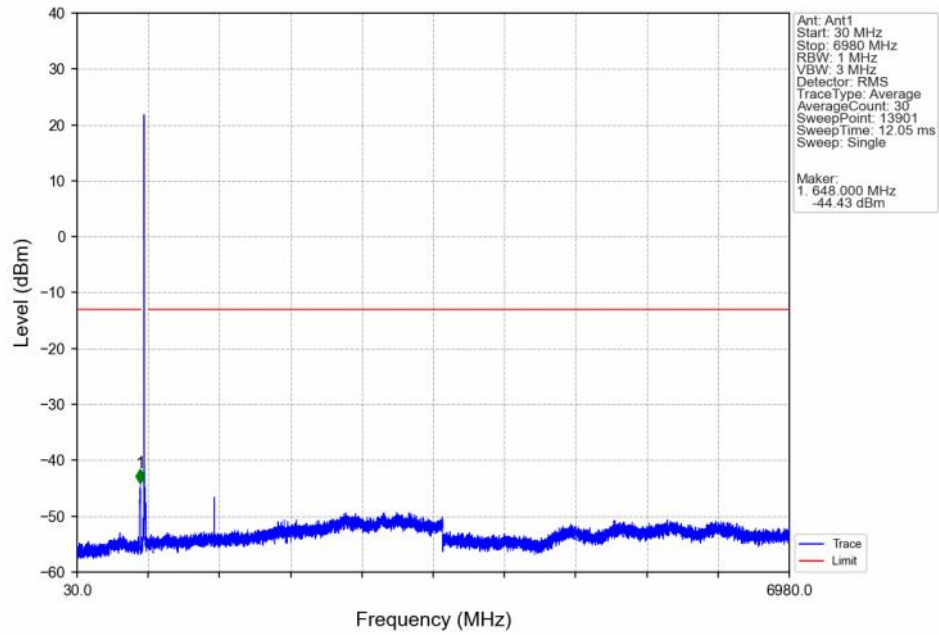
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



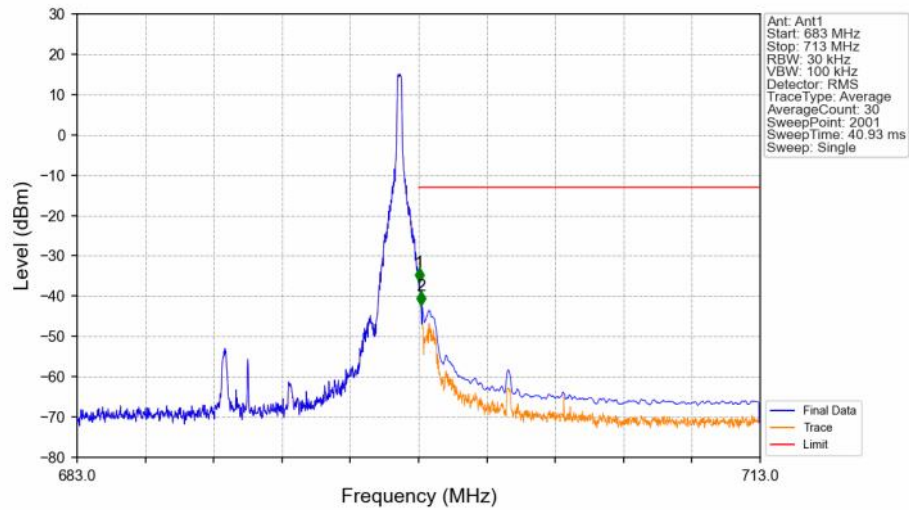
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71 15MHz QPSK HCH 690.5MHz RB 1 0 NTNV

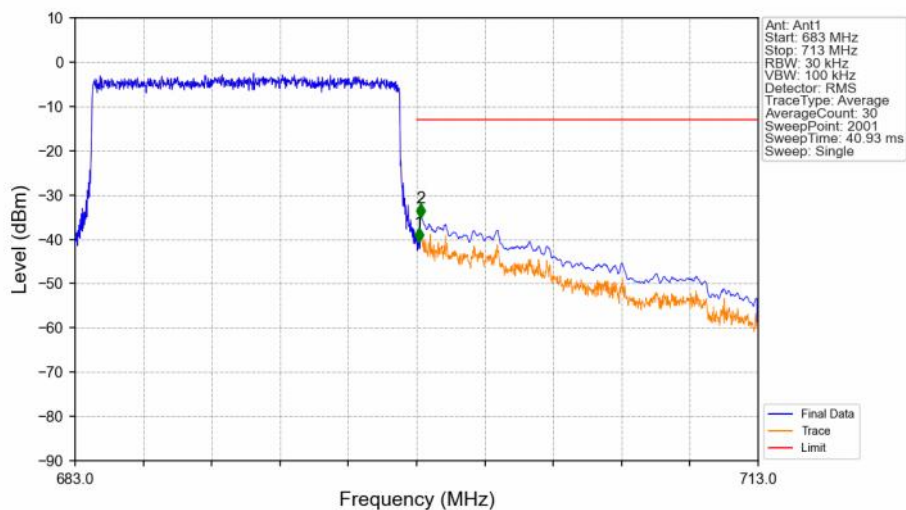


Band71 15MHz QPSK HCH 690.5MHz RB 1 74 NTNV

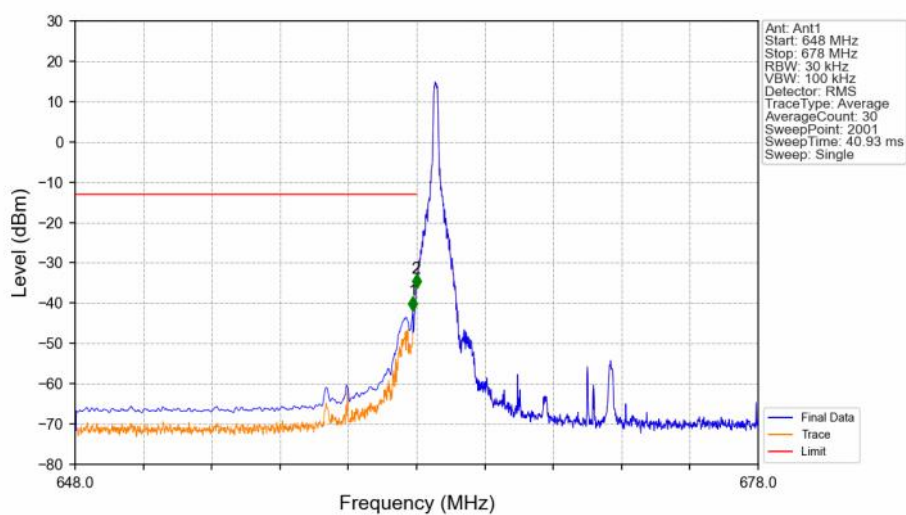


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.030	-36.52	-13	Pass
698.1	713	0.1	CHP	2	698.105	-42.37	-13	Pass

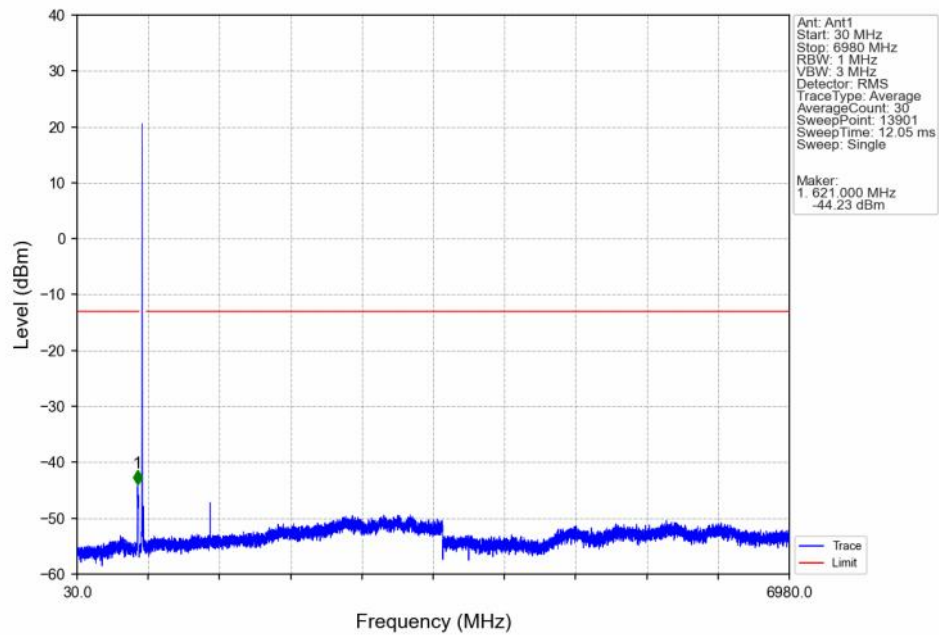
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



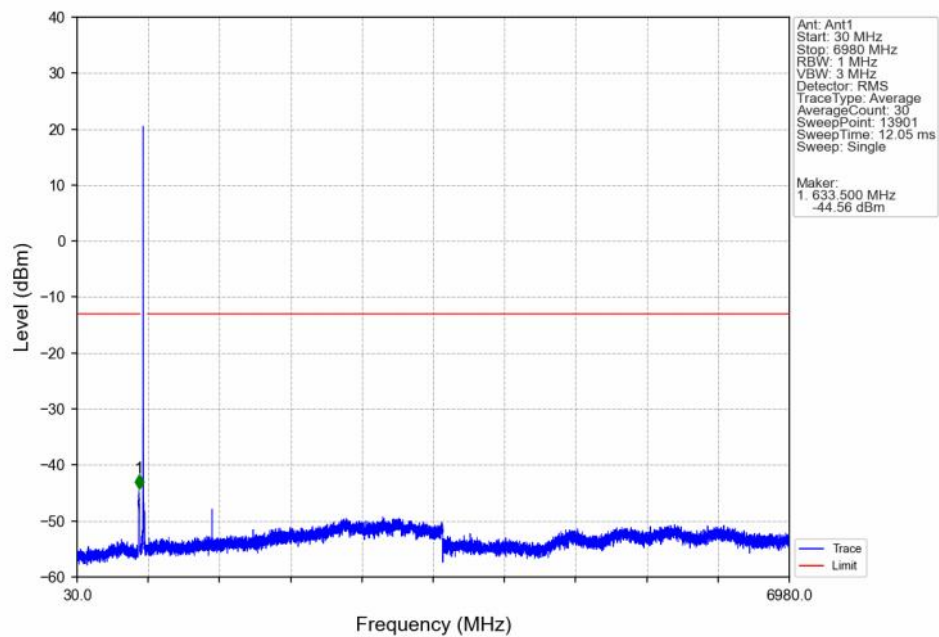
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



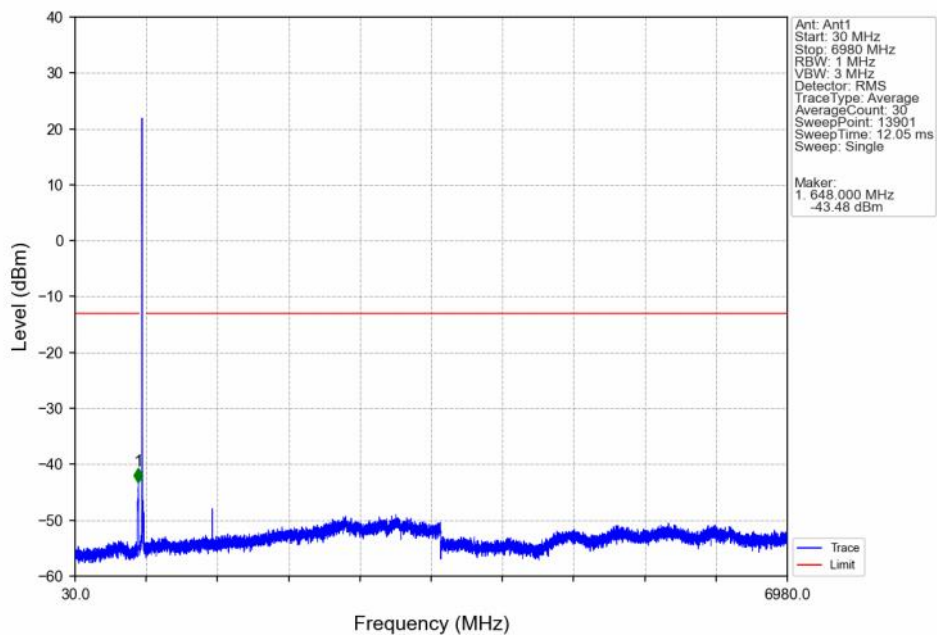
Band71_15MHz_16QAM_LCH_670.5MHz_RB_1_0_NTNV



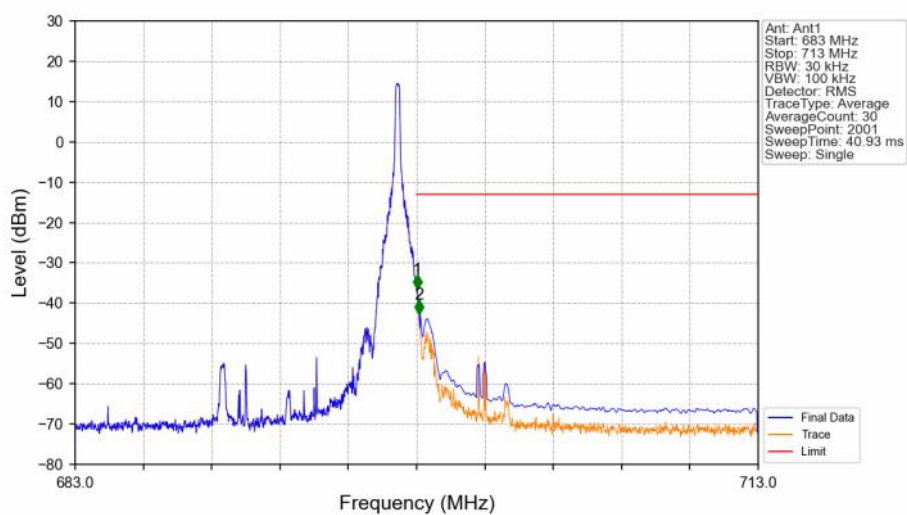
Band71_15MHz_16QAM_MCH_680.5MHz_RB_1_0_NTNV



Band71 15MHz 16QAM HCH 690.5MHz RB 1 0 NTNV



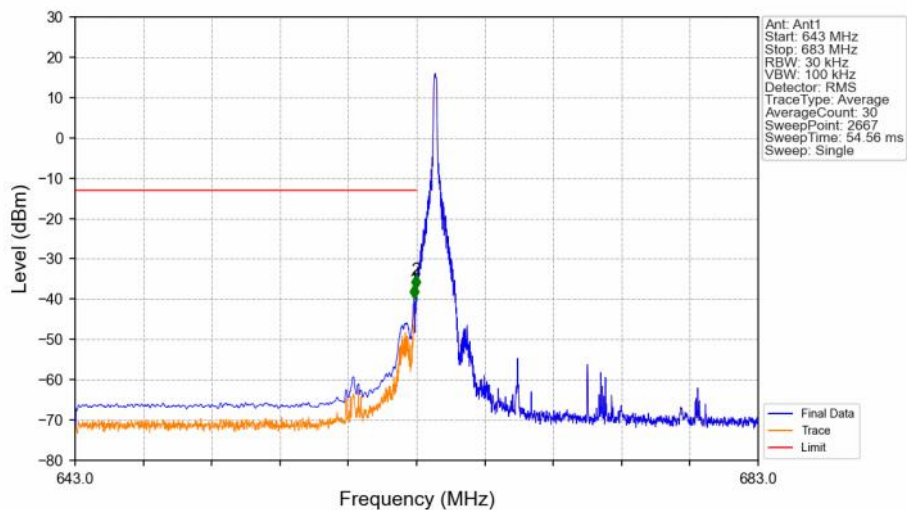
Band71 15MHz 16QAM HCH 690.5MHz RB 1 74 NTNV



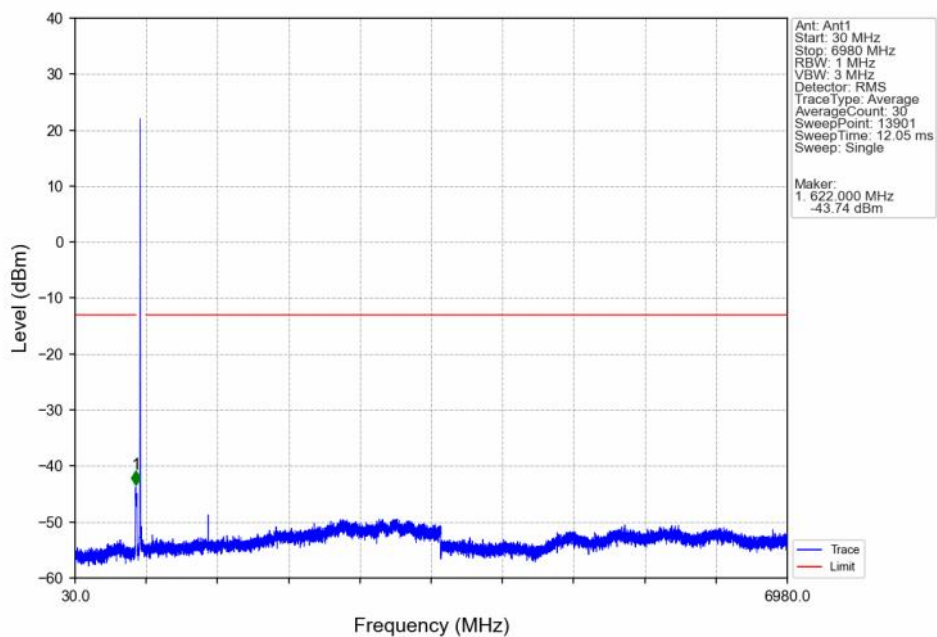
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.030	-36.56	-13	Pass
698.1	713	0.1	CHP	2	698.105	-42.59	-13	Pass

6.2.4 B71_20MHz

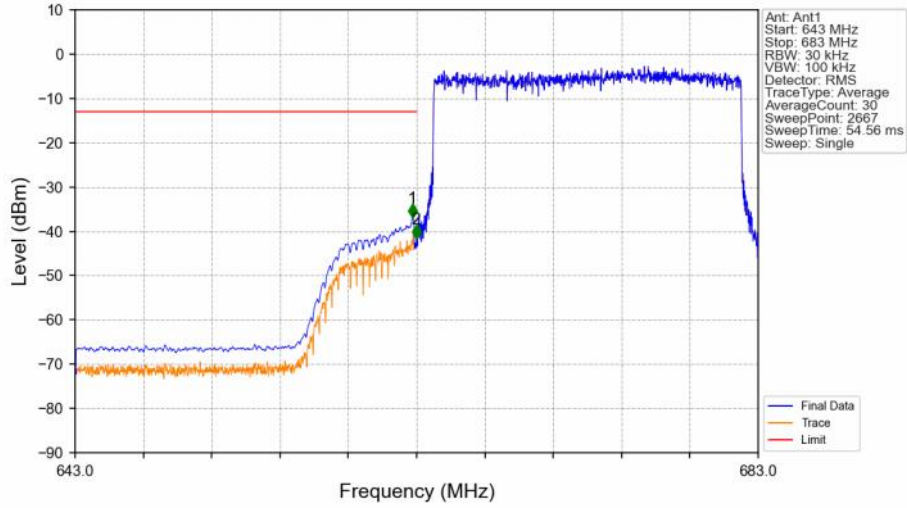
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



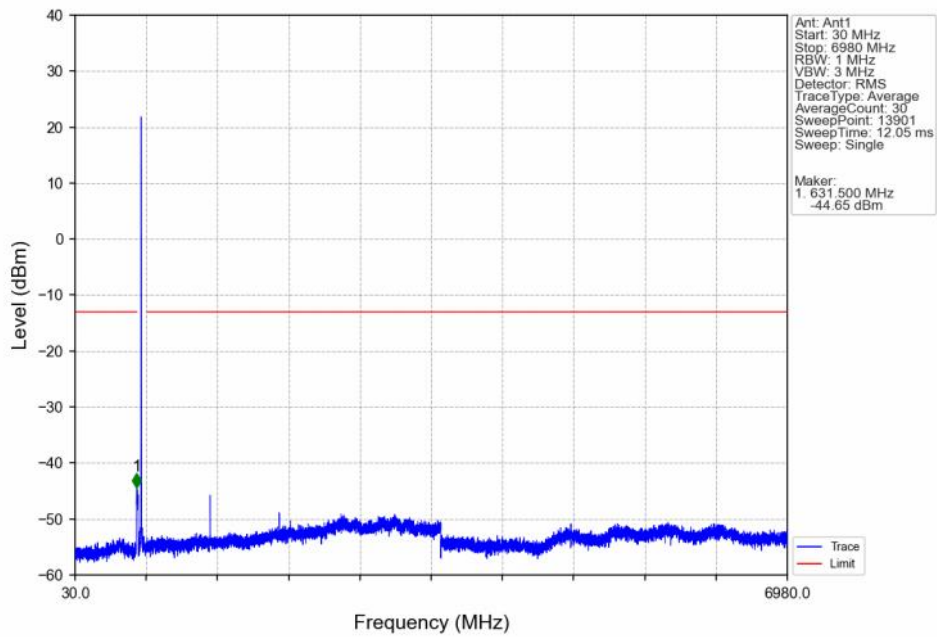
Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV



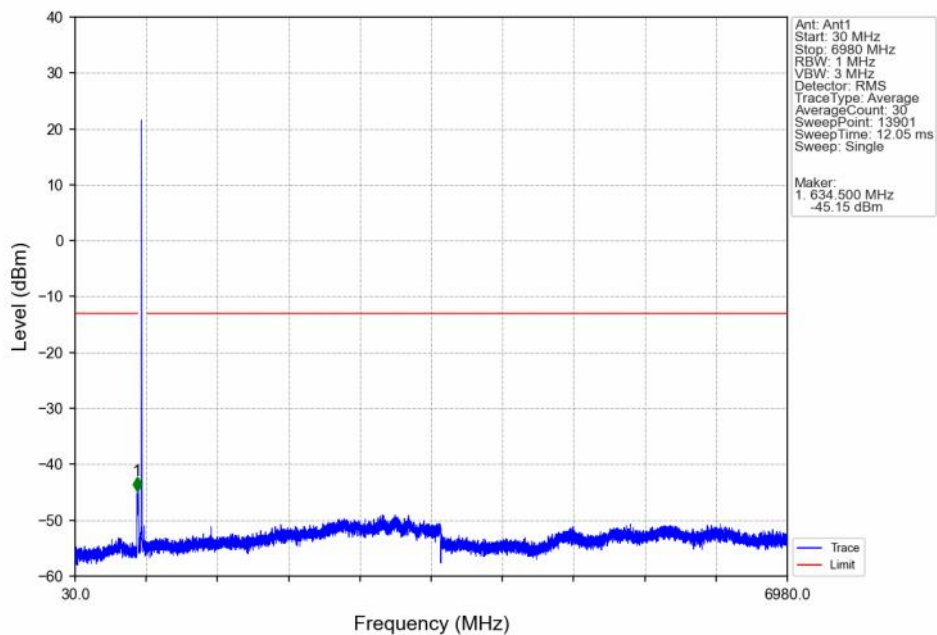
Band71 20MHz QPSK LCH 673MHz RB 100 0 NTNV



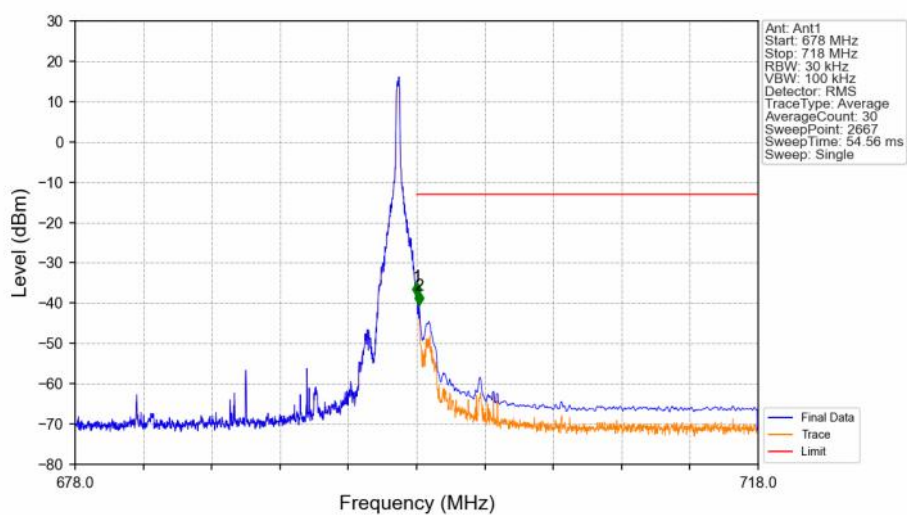
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

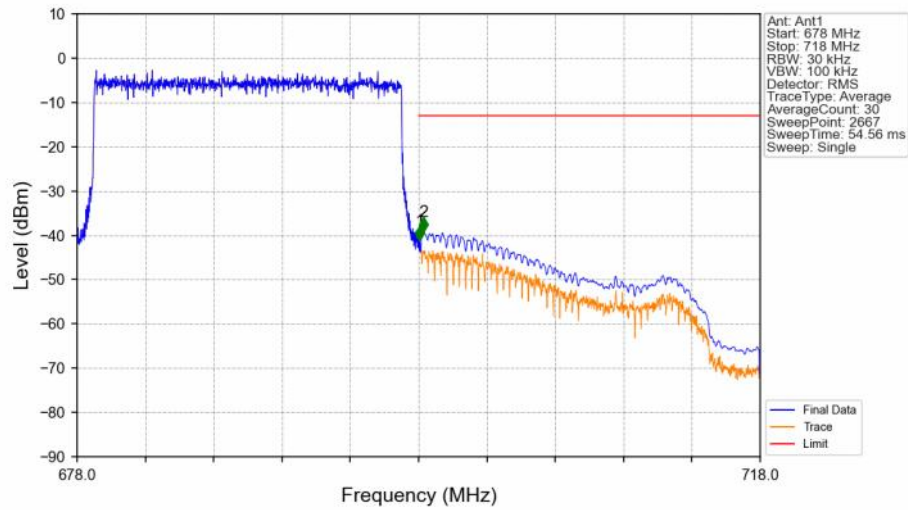


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



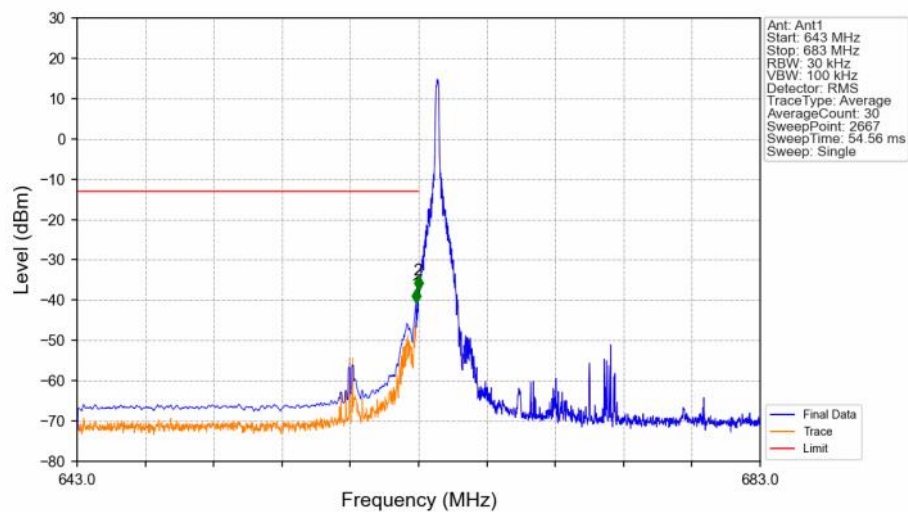
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.015	-38.27	-13	Pass
698.1	718	0.1	CHP	2	698.150	-40.39	-13	Pass

Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



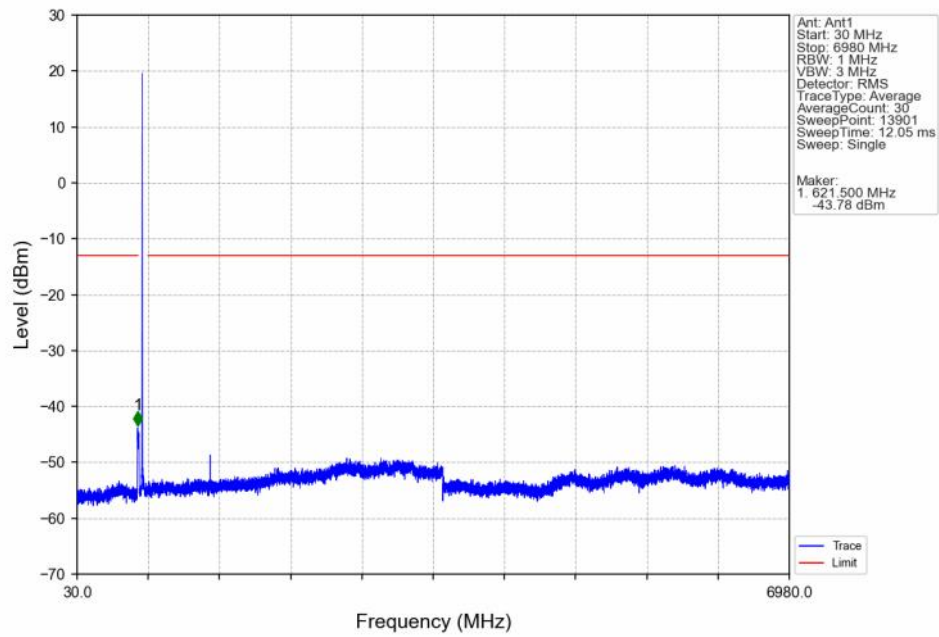
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.060	-41.05	-13	Pass
698.1	718	0.1	CHP	2	698.285	-39.04	-13	Pass

Band71_20MHz_16QAM_LCH_673MHz_RB_1_0_NTNV

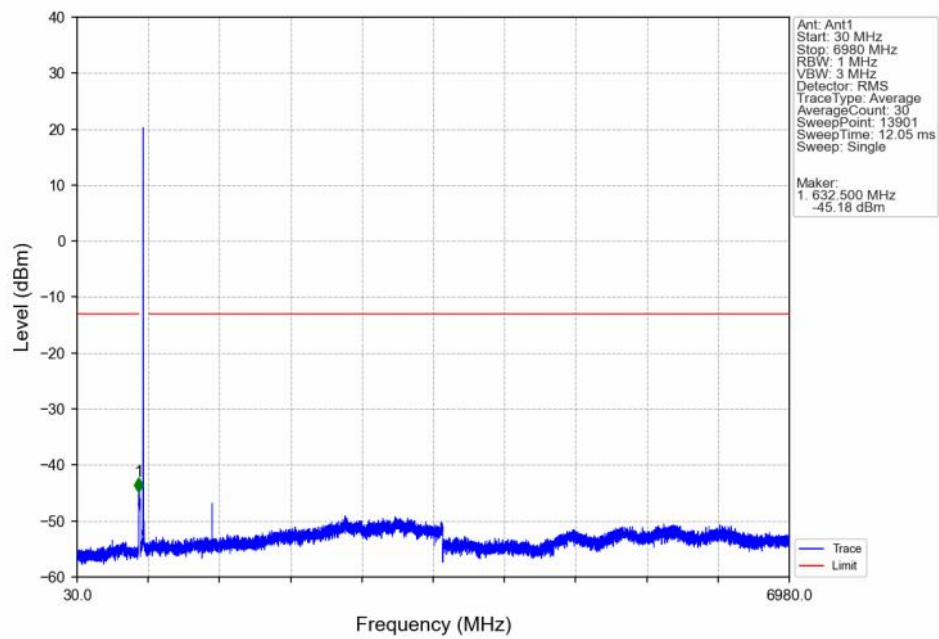


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.850	-40.65	-13	Pass
662.9	663	0.03	/	2	662.985	-37.44	-13	Pass
663	683	0.03	/	/	/	/	/	/

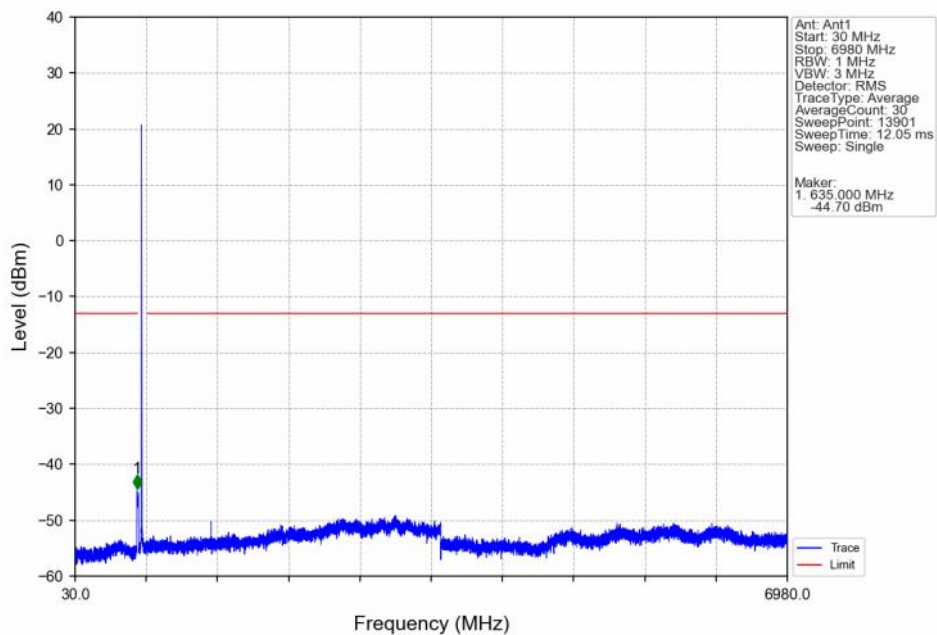
Band71 20MHz 16QAM LCH 673MHz RB 1 0 NTNV



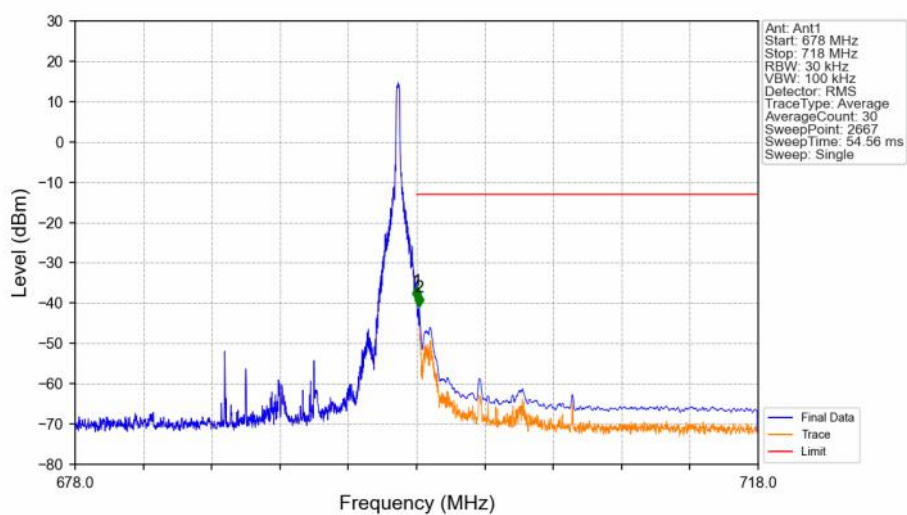
Band71_20MHz_16QAM_MCH_683MHz_RB_1_0_NTNV



Band71 20MHz 16QAM HCH 688MHz RB 1 0 NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.015	-39.33	-13	Pass
698.1	718	0.1	CHP	2	698.150	-40.82	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.2158	0.0026	ppm	4M58G7D	27N	23.34
71	5	665.5	695.5	0.1758	0.0024	ppm	4M57W7D	27N	22.45
71	10	668	693	0.2153	0.0028	ppm	9M10G7D	27N	23.33
71	10	668	693	0.1774	0.0051	ppm	5M14W7D	27N	22.49
71	15	670.5	690.5	0.2004	0.0033	ppm	13M6G7D	27N	23.02
71	15	670.5	690.5	0.1660	0.0052	ppm	5M28W7D	27N	22.20
71	20	673	688	0.2028	0.0028	ppm	18M1G7D	27N	23.07
71	20	673	688	0.1683	0.0049	ppm	5M56W7D	27N	22.26

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
71	5	665.5	695.5	0.0436	0.0026	ppm	4M58G7D	27N	16.39
71	5	665.5	695.5	0.0355	0.0024	ppm	4M57W7D	27N	15.50
71	10	668	693	0.0435	0.0028	ppm	9M10G7D	27N	16.38
71	10	668	693	0.0358	0.0051	ppm	5M14W7D	27N	15.54
71	15	670.5	690.5	0.0405	0.0033	ppm	13M6G7D	27N	16.07
71	15	670.5	690.5	0.0335	0.0052	ppm	5M28W7D	27N	15.25
71	20	673	688	0.0409	0.0028	ppm	18M1G7D	27N	16.12
71	20	673	688	0.0340	0.0049	ppm	5M56W7D	27N	15.31