

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
64QAM	1710.7	1	0	20.92	3.00	23.92	<=30	Pass
			2	21.07	3.00	24.07	<=30	Pass
			5	20.96	3.00	23.96	<=30	Pass
		3	0	21.34	3.00	24.34	<=30	Pass
			2	21.38	3.00	24.38	<=30	Pass
			3	21.34	3.00	24.34	<=30	Pass
		6	0	20.05	3.00	23.05	<=30	Pass
	1732.5	1	0	21.17	3.00	24.17	<=30	Pass
			2	21.26	3.00	24.26	<=30	Pass
			5	21.18	3.00	24.18	<=30	Pass
		3	0	21.36	3.00	24.36	<=30	Pass
			2	21.41	3.00	24.41	<=30	Pass
			3	21.34	3.00	24.34	<=30	Pass
		6	0	20.28	3.00	23.28	<=30	Pass
	1754.3	1	0	21.93	3.00	24.93	<=30	Pass
			2	22.03	3.00	25.03	<=30	Pass
			5	21.92	3.00	24.92	<=30	Pass
		3	0	21.95	3.00	24.95	<=30	Pass
			2	22.02	3.00	25.02	<=30	Pass
			3	21.95	3.00	24.95	<=30	Pass
		6	0	20.69	3.00	23.69	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
64QAM	1711.5	1	0	20.83	3.00	23.83	<=30	Pass
			7	20.99	3.00	23.99	<=30	Pass
			14	20.81	3.00	23.81	<=30	Pass
		8	0	20.22	3.00	23.22	<=30	Pass
			4	20.24	3.00	23.24	<=30	Pass
			7	20.23	3.00	23.23	<=30	Pass
		15	0	20.19	3.00	23.19	<=30	Pass
	1732.5	1	0	21.24	3.00	24.24	<=30	Pass
			7	21.42	3.00	24.42	<=30	Pass
			14	21.25	3.00	24.25	<=30	Pass
		8	0	20.53	3.00	23.53	<=30	Pass
			4	20.56	3.00	23.56	<=30	Pass
			7	20.53	3.00	23.53	<=30	Pass
		15	0	20.55	3.00	23.55	<=30	Pass
	1753.5	1	0	21.68	3.00	24.68	<=30	Pass
			7	21.78	3.00	24.78	<=30	Pass
			14	21.67	3.00	24.67	<=30	Pass

		8	0	20.96	3.00	23.96	<=30	Pass
			4	20.97	3.00	23.97	<=30	Pass
			7	20.96	3.00	23.96	<=30	Pass
		15	0	20.93	3.00	23.93	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
64QAM	1712.5	1	0	21.11	3.00	24.11	<=30	Pass
			13	21.21	3.00	24.21	<=30	Pass
			24	21.18	3.00	24.18	<=30	Pass
		12	0	20.31	3.00	23.31	<=30	Pass
			6	20.36	3.00	23.36	<=30	Pass
			13	20.32	3.00	23.32	<=30	Pass
		25	0	20.31	3.00	23.31	<=30	Pass
	1732.5	1	0	21.25	3.00	24.25	<=30	Pass
			13	21.41	3.00	24.41	<=30	Pass
			24	21.36	3.00	24.36	<=30	Pass
		12	0	20.43	3.00	23.43	<=30	Pass
			6	20.46	3.00	23.46	<=30	Pass
			13	20.44	3.00	23.44	<=30	Pass
		25	0	20.41	3.00	23.41	<=30	Pass
	1752.5	1	0	21.72	3.00	24.72	<=30	Pass
			13	21.94	3.00	24.94	<=30	Pass
			24	21.82	3.00	24.82	<=30	Pass
		12	0	20.86	3.00	23.86	<=30	Pass
			6	21.01	3.00	24.01	<=30	Pass
			13	20.97	3.00	23.97	<=30	Pass
		25	0	20.84	3.00	23.84	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
64QAM	1715	1	0	20.88	3.00	23.88	<=30	Pass
			25	20.89	3.00	23.89	<=30	Pass
			49	20.94	3.00	23.94	<=30	Pass
		25	0	20.26	3.00	23.26	<=30	Pass
			13	20.26	3.00	23.26	<=30	Pass
			25	20.31	3.00	23.31	<=30	Pass
		50	0	20.32	3.00	23.32	<=30	Pass
	1732.5	1	0	21.25	3.00	24.25	<=30	Pass
			25	21.32	3.00	24.32	<=30	Pass
			49	21.45	3.00	24.45	<=30	Pass
		25	0	20.49	3.00	23.49	<=30	Pass
			13	20.51	3.00	23.51	<=30	Pass
			25	20.50	3.00	23.50	<=30	Pass
		50	0	20.50	3.00	23.50	<=30	Pass

	1750	1	0	21.55	3.00	24.55	<=30	Pass
			25	21.57	3.00	24.57	<=30	Pass
			49	21.66	3.00	24.66	<=30	Pass
		25	0	20.86	3.00	23.86	<=30	Pass
			13	20.90	3.00	23.90	<=30	Pass
			25	20.84	3.00	23.84	<=30	Pass
		50	0	20.83	3.00	23.83	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
64QAM	1717.5	1	0	20.84	3.00	23.84	<=30	Pass
			38	20.95	3.00	23.95	<=30	Pass
			74	20.96	3.00	23.96	<=30	Pass
		36	0	20.28	3.00	23.28	<=30	Pass
			18	20.30	3.00	23.30	<=30	Pass
			39	20.32	3.00	23.32	<=30	Pass
		75	0	20.29	3.00	23.29	<=30	Pass
	1732.5	1	0	21.21	3.00	24.21	<=30	Pass
			38	21.32	3.00	24.32	<=30	Pass
			74	21.41	3.00	24.41	<=30	Pass
		36	0	20.40	3.00	23.40	<=30	Pass
			18	20.44	3.00	23.44	<=30	Pass
			39	20.50	3.00	23.50	<=30	Pass
		75	0	20.49	3.00	23.49	<=30	Pass
	1747.5	1	0	21.58	3.00	24.58	<=30	Pass
			38	21.69	3.00	24.69	<=30	Pass
			74	21.79	3.00	24.79	<=30	Pass
		36	0	20.70	3.00	23.70	<=30	Pass
			18	20.83	3.00	23.83	<=30	Pass
			39	20.83	3.00	23.83	<=30	Pass
		75	0	20.82	3.00	23.82	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
64QAM	1720	1	0	20.99	3.00	23.99	<=30	Pass
			50	21.17	3.00	24.17	<=30	Pass
			99	21.25	3.00	24.25	<=30	Pass
		50	0	20.26	3.00	23.26	<=30	Pass
			25	20.37	3.00	23.37	<=30	Pass
			50	20.40	3.00	23.40	<=30	Pass
		100	0	20.32	3.00	23.32	<=30	Pass
	1732.5	1	0	21.37	3.00	24.37	<=30	Pass
			50	21.57	3.00	24.57	<=30	Pass
			99	21.65	3.00	24.65	<=30	Pass
		50	0	20.45	3.00	23.45	<=30	Pass

		100	25	20.56	3.00	23.56	<=30	Pass
			50	20.55	3.00	23.55	<=30	Pass
			0	20.47	3.00	23.47	<=30	Pass
	1745	1	0	21.64	3.00	24.64	<=30	Pass
			50	21.84	3.00	24.84	<=30	Pass
			99	21.89	3.00	24.89	<=30	Pass
		50	0	20.72	3.00	23.72	<=30	Pass
			25	20.76	3.00	23.76	<=30	Pass
			50	20.85	3.00	23.85	<=30	Pass
		100	0	20.75	3.00	23.75	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1710.7	6	0	20	3.27	11.058	0.0065	-2.5 to 2.5	Pass
					3.85	13.676	0.0080	-2.5 to 2.5	Pass
					4.43	11.401	0.0067	-2.5 to 2.5	Pass
				-30	3.85	-1.287	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				10	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.764	-0.0028	-2.5 to 2.5	Pass
				50	3.85	6.208	0.0036	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	9.470	0.0055	-2.5 to 2.5	Pass
					3.85	6.180	0.0036	-2.5 to 2.5	Pass
					4.43	6.638	0.0038	-2.5 to 2.5	Pass
				-30	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	6.938	0.0040	-2.5 to 2.5	Pass
				-10	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				0	3.85	-7.696	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				30	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				40	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	11.387	0.0065	-2.5 to 2.5	Pass
					3.85	11.830	0.0067	-2.5 to 2.5	Pass
					4.43	4.821	0.0027	-2.5 to 2.5	Pass
				-30	3.85	9.155	0.0052	-2.5 to 2.5	Pass
				-20	3.85	14.977	0.0085	-2.5 to 2.5	Pass
				-10	3.85	6.151	0.0035	-2.5 to 2.5	Pass
				0	3.85	12.617	0.0072	-2.5 to 2.5	Pass
				10	3.85	5.264	0.0030	-2.5 to 2.5	Pass
				30	3.85	2.317	0.0013	-2.5 to 2.5	Pass
				40	3.85	-5.522	-0.0031	-2.5 to 2.5	Pass
				50	3.85	4.950	0.0028	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1711.5	15	0	20	3.27	11.044	0.0065	-2.5 to 2.5	Pass
					3.85	3.161	0.0018	-2.5 to 2.5	Pass
					4.43	6.409	0.0037	-2.5 to 2.5	Pass
				-30	3.85	7.925	0.0046	-2.5 to 2.5	Pass
				-20	3.85	4.978	0.0029	-2.5 to 2.5	Pass
				-10	3.85	9.241	0.0054	-2.5 to 2.5	Pass
				0	3.85	5.765	0.0034	-2.5 to 2.5	Pass
				10	3.85	11.516	0.0067	-2.5 to 2.5	Pass
				30	3.85	6.795	0.0040	-2.5 to 2.5	Pass
				40	3.85	10.314	0.0060	-2.5 to 2.5	Pass
				50	3.85	5.951	0.0035	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	11.544	0.0067	-2.5 to 2.5	Pass
					3.85	9.556	0.0055	-2.5 to 2.5	Pass
					4.43	7.439	0.0043	-2.5 to 2.5	Pass
				-30	3.85	11.687	0.0067	-2.5 to 2.5	Pass
				-20	3.85	3.576	0.0021	-2.5 to 2.5	Pass
				-10	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				0	3.85	5.751	0.0033	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				30	3.85	3.376	0.0019	-2.5 to 2.5	Pass
				40	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				50	3.85	1.717	0.0010	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	7.825	0.0045	-2.5 to 2.5	Pass
					3.85	5.178	0.0030	-2.5 to 2.5	Pass
					4.43	4.950	0.0028	-2.5 to 2.5	Pass
				-30	3.85	10.700	0.0061	-2.5 to 2.5	Pass
				-20	3.85	11.702	0.0067	-2.5 to 2.5	Pass
				-10	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				0	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	14.548	0.0083	-2.5 to 2.5	Pass
				30	3.85	4.921	0.0028	-2.5 to 2.5	Pass
				40	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				50	3.85	7.811	0.0045	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1712.5	25	0	20	3.27	-7.796	-0.0046	-2.5 to 2.5	Pass
					3.85	0.615	0.0004	-2.5 to 2.5	Pass
					4.43	-3.619	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				0	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.243	0.0001	-2.5 to 2.5	Pass

	1732.5	25	0	30	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				50	3.85	2.489	0.0015	-2.5 to 2.5	Pass
				20	3.27	5.322	0.0031	-2.5 to 2.5	Pass
					3.85	3.977	0.0023	-2.5 to 2.5	Pass
					4.43	8.168	0.0047	-2.5 to 2.5	Pass
				-30	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	4.206	0.0024	-2.5 to 2.5	Pass
				-10	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				0	3.85	7.110	0.0041	-2.5 to 2.5	Pass
				10	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				30	3.85	11.716	0.0068	-2.5 to 2.5	Pass
				40	3.85	7.424	0.0043	-2.5 to 2.5	Pass
				50	3.85	10.414	0.0060	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	7.453	0.0043	-2.5 to 2.5	Pass
					3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
					4.43	-2.546	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	4.606	0.0026	-2.5 to 2.5	Pass
				-20	3.85	2.675	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				30	3.85	1.988	0.0011	-2.5 to 2.5	Pass
				40	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				50	3.85	7.925	0.0045	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1715	50	0	20	3.27	1.016	0.0006	-2.5 to 2.5	Pass
					3.85	5.465	0.0032	-2.5 to 2.5	Pass
					4.43	4.449	0.0026	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				30	3.85	6.466	0.0038	-2.5 to 2.5	Pass
				40	3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-4.549	-0.0027	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	8.926	0.0052	-2.5 to 2.5	Pass
					3.85	7.224	0.0042	-2.5 to 2.5	Pass
					4.43	0.601	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	2.947	0.0017	-2.5 to 2.5	Pass
				-10	3.85	9.356	0.0054	-2.5 to 2.5	Pass
				0	3.85	4.520	0.0026	-2.5 to 2.5	Pass
				10	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				50	3.85	7.811	0.0045	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	0.572	0.0003	-2.5 to 2.5	Pass
					3.85	-12.045	-0.0069	-2.5 to 2.5	Pass

					4.43	-5.865	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-12.016	-0.0069	-2.5 to 2.5	Pass
				0	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				10	3.85	3.777	0.0022	-2.5 to 2.5	Pass
				30	3.85	-9.770	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				50	3.85	1.416	0.0008	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
64QAM	1717.5	75	0	20	3.27	3.877	0.0023	-2.5 to 2.5	Pass
					3.85	1.945	0.0011	-2.5 to 2.5	Pass
					4.43	5.522	0.0032	-2.5 to 2.5	Pass
				-30	3.85	6.423	0.0037	-2.5 to 2.5	Pass
				-20	3.85	5.693	0.0033	-2.5 to 2.5	Pass
				-10	3.85	4.964	0.0029	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				10	3.85	2.832	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.947	0.0017	-2.5 to 2.5	Pass
				40	3.85	5.164	0.0030	-2.5 to 2.5	Pass
				50	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	7.439	0.0043	-2.5 to 2.5	Pass
					3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
					4.43	8.755	0.0051	-2.5 to 2.5	Pass
				-30	3.85	10.972	0.0063	-2.5 to 2.5	Pass
				-20	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				0	3.85	8.926	0.0052	-2.5 to 2.5	Pass
				10	3.85	5.050	0.0029	-2.5 to 2.5	Pass
				30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				40	3.85	9.370	0.0054	-2.5 to 2.5	Pass
				50	3.85	7.067	0.0041	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	11.859	0.0068	-2.5 to 2.5	Pass
					3.85	-2.532	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.588	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				-20	3.85	6.094	0.0035	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.85	5.908	0.0034	-2.5 to 2.5	Pass
				10	3.85	10.171	0.0058	-2.5 to 2.5	Pass
				30	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				40	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				50	3.85	7.210	0.0041	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
64QAM	1720	100	0	20	3.27	-6.423	-0.0037	-2.5 to 2.5	Pass
					3.85	-6.652	-0.0039	-2.5 to 2.5	Pass
					4.43	-3.448	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-5.736	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-5.050	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-7.210	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-8.655	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-9.141	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	9.212	0.0053	-2.5 to 2.5	Pass
					3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
					4.43	5.178	0.0030	-2.5 to 2.5	Pass
				-30	3.85	7.782	0.0045	-2.5 to 2.5	Pass
				-20	3.85	6.909	0.0040	-2.5 to 2.5	Pass
				-10	3.85	7.253	0.0042	-2.5 to 2.5	Pass
				0	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				10	3.85	6.094	0.0035	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				40	3.85	7.982	0.0046	-2.5 to 2.5	Pass
				50	3.85	4.277	0.0025	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	1.717	0.0010	-2.5 to 2.5	Pass
					3.85	-4.249	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.161	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	4.764	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				10	3.85	4.277	0.0025	-2.5 to 2.5	Pass
				30	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-5.336	-0.0031	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	64QAM	1710.7	6	0	1.109	/	Pass
		1732.5	6	0	1.116	/	Pass
		1754.3	6	0	1.101	/	Pass
3	64QAM	1711.5	15	0	2.740	/	Pass
		1732.5	15	0	2.728	/	Pass
		1753.5	15	0	2.732	/	Pass
5	64QAM	1712.5	25	0	4.553	/	Pass
		1732.5	25	0	4.562	/	Pass
		1752.5	25	0	4.559	/	Pass
10	64QAM	1715	50	0	9.019	/	Pass

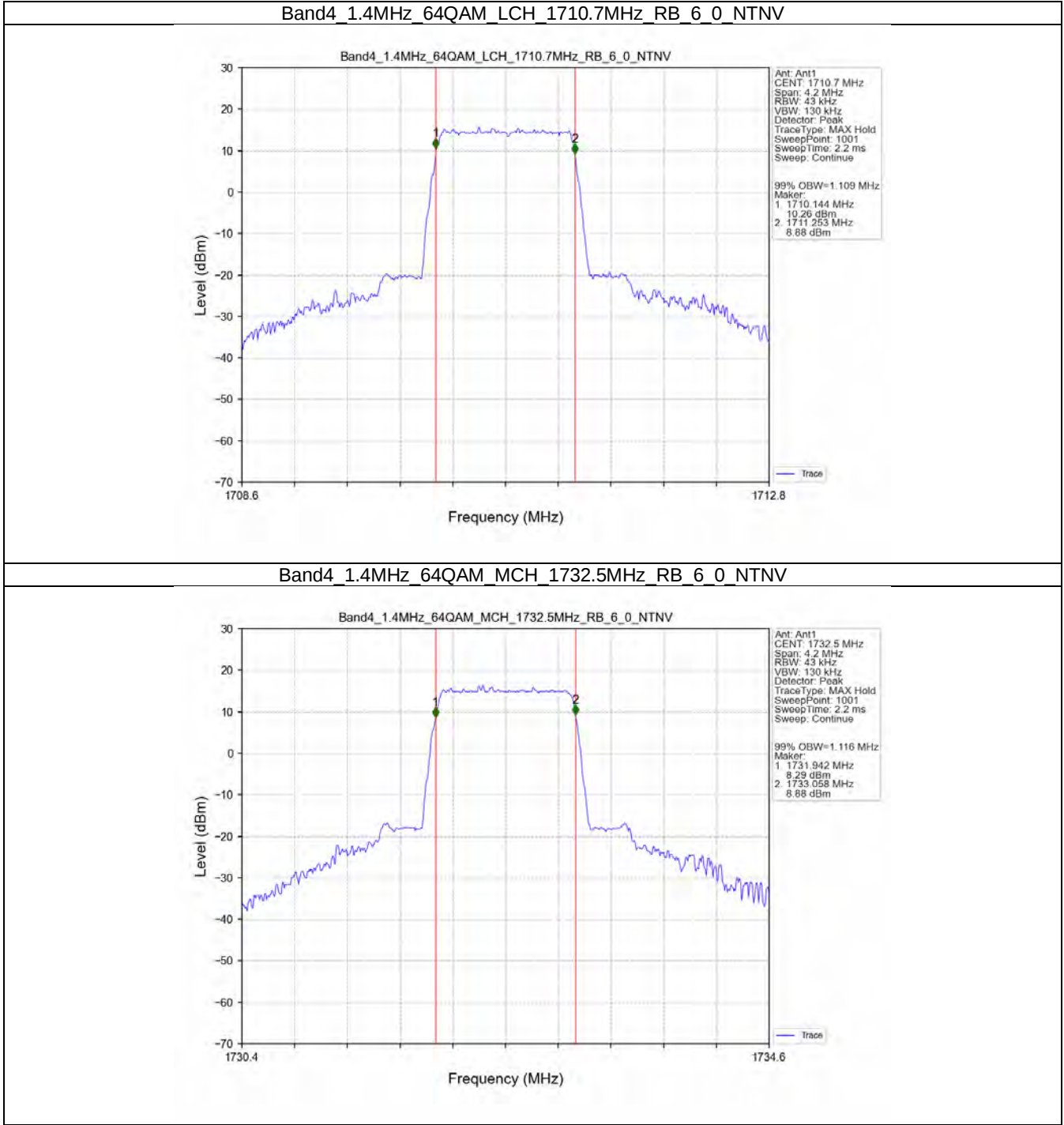
15	64QAM	1732.5	50	0	9.062	/	Pass
		1750	50	0	9.075	/	Pass
		1717.5	75	0	13.557	/	Pass
		1732.5	75	0	13.571	/	Pass
		1747.5	75	0	13.570	/	Pass
20	64QAM	1720	100	0	18.000	/	Pass
		1732.5	100	0	18.096	/	Pass
		1745	100	0	18.094	/	Pass

3.1.2 Band4_XDB

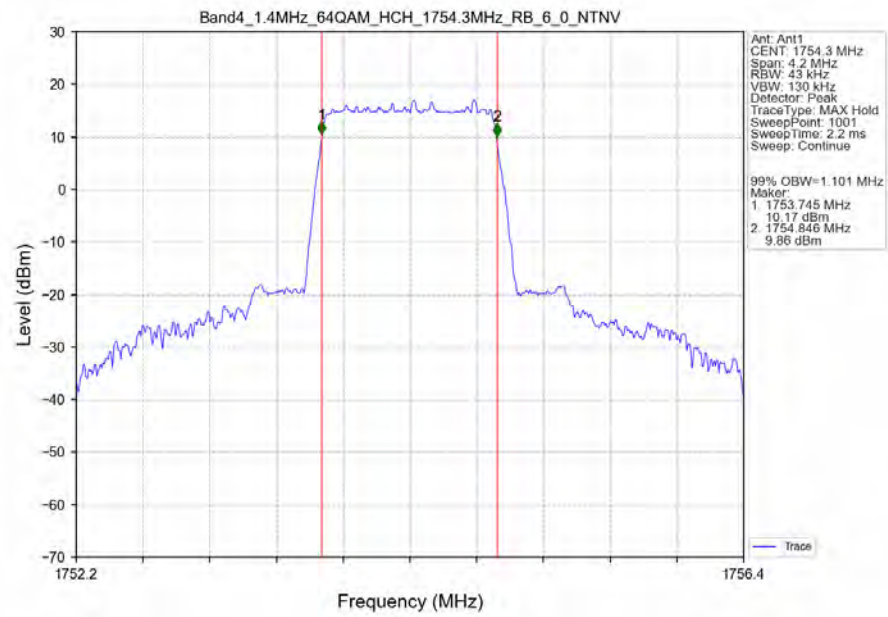
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	64QAM	1710.7	6	0	1.270	/	Pass
		1732.5	6	0	1.278	/	Pass
		1754.3	6	0	1.254	/	Pass
3	64QAM	1711.5	15	0	3.062	/	Pass
		1732.5	15	0	3.060	/	Pass
		1753.5	15	0	3.064	/	Pass
5	64QAM	1712.5	25	0	5.054	/	Pass
		1732.5	25	0	5.068	/	Pass
		1752.5	25	0	5.045	/	Pass
10	64QAM	1715	50	0	9.947	/	Pass
		1732.5	50	0	9.904	/	Pass
		1750	50	0	9.934	/	Pass
15	64QAM	1717.5	75	0	14.820	/	Pass
		1732.5	75	0	14.892	/	Pass
		1747.5	75	0	15.013	/	Pass
20	64QAM	1720	100	0	19.749	/	Pass
		1732.5	100	0	19.779	/	Pass
		1745	100	0	19.722	/	Pass

3.2 Test Graph

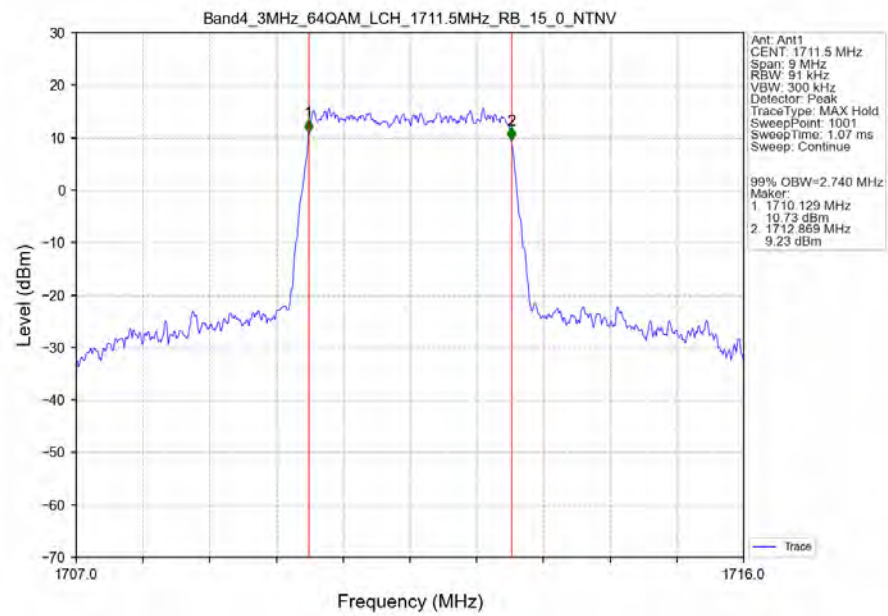
3.2.1 Band4_OBW



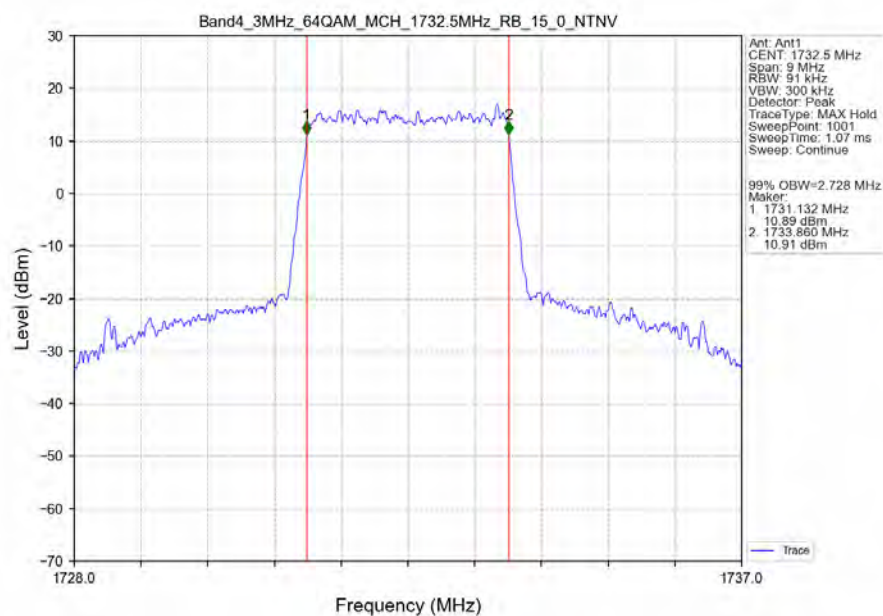
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



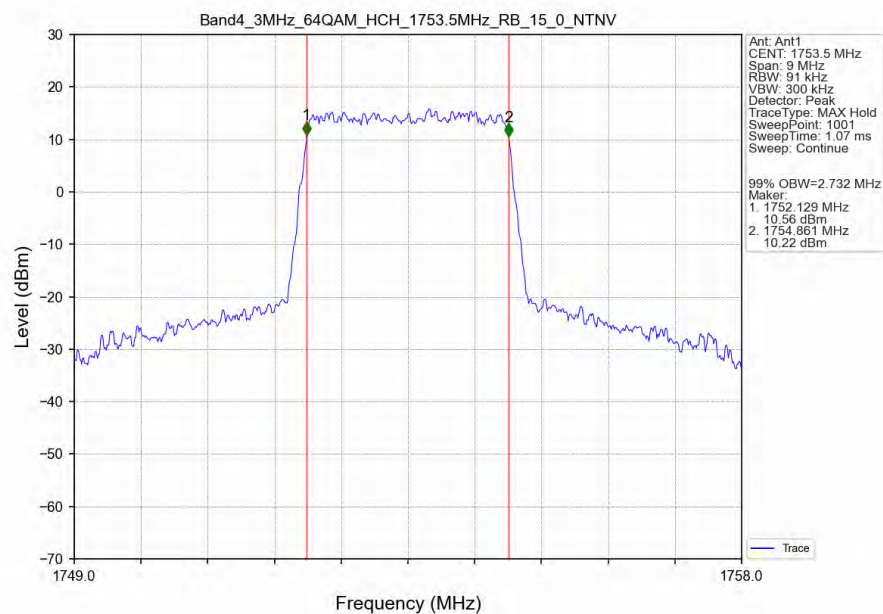
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



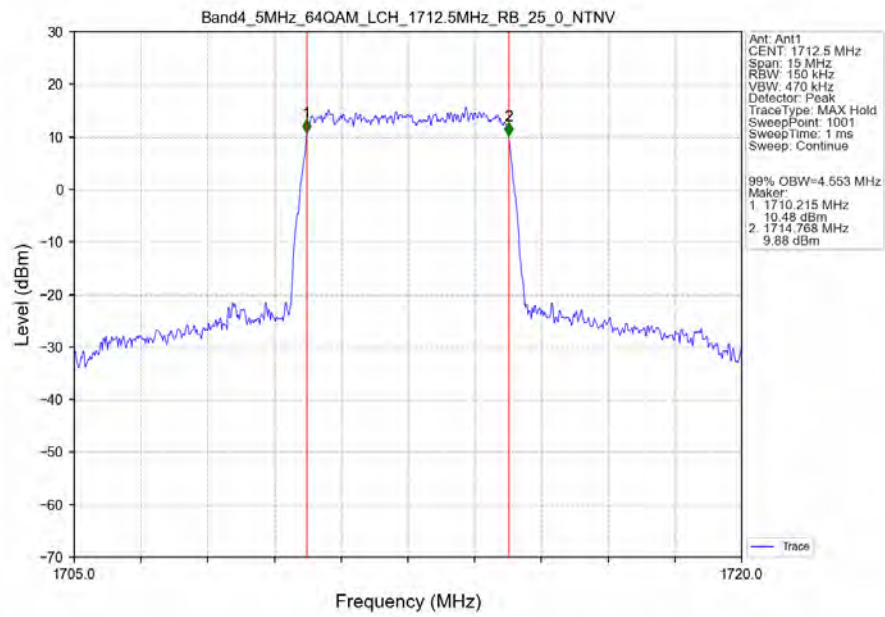
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



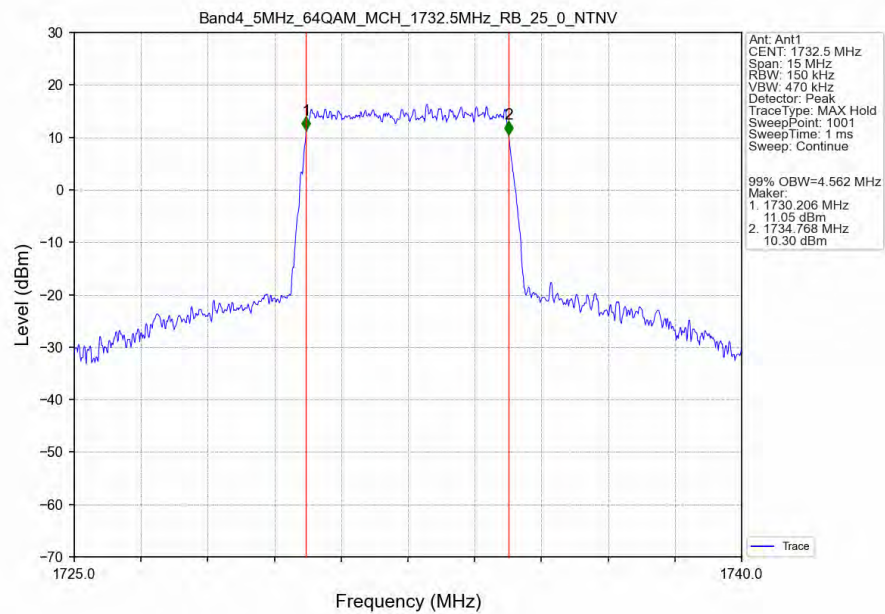
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



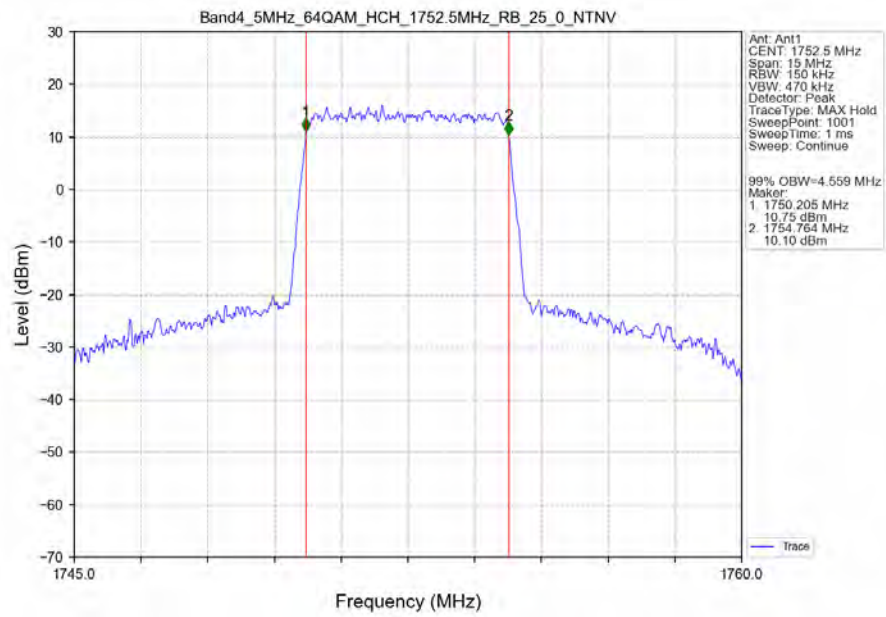
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



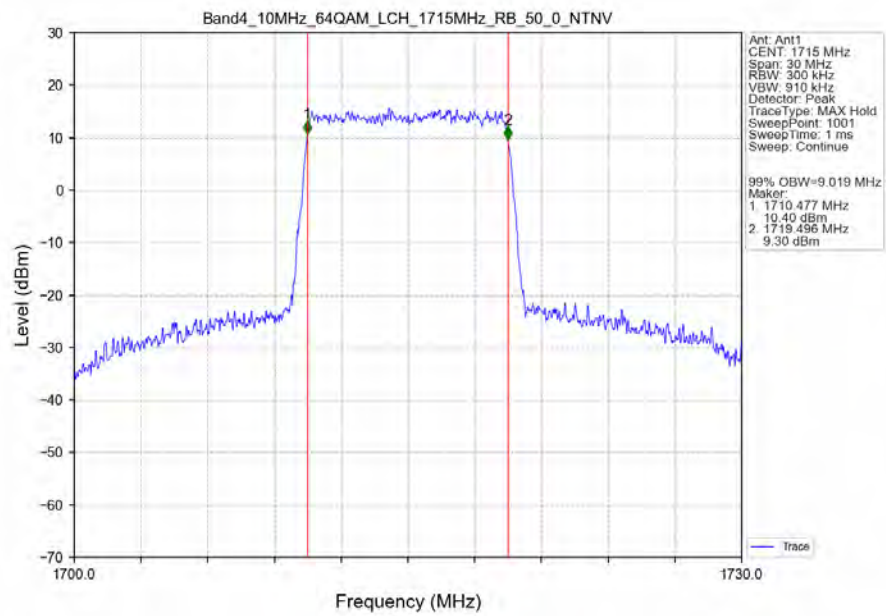
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



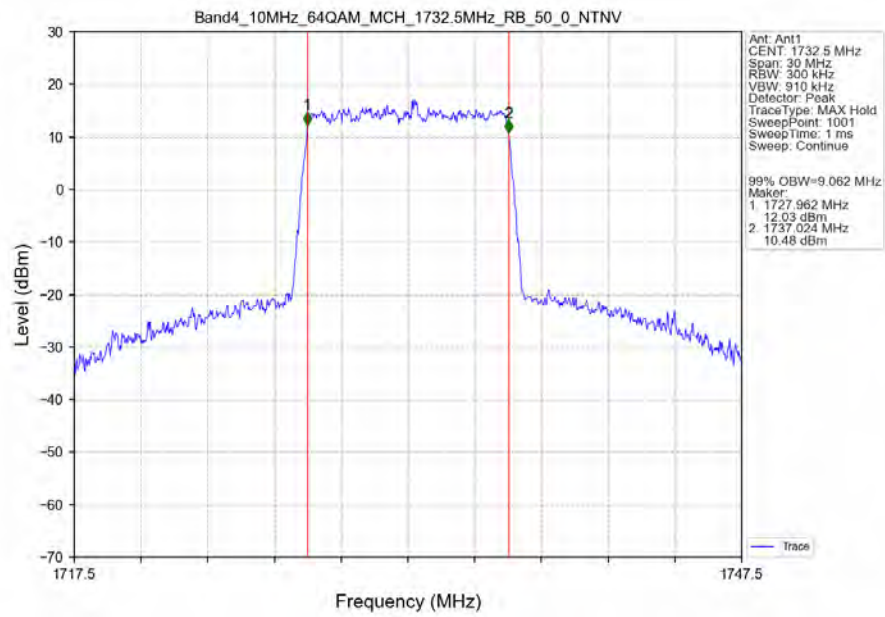
Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



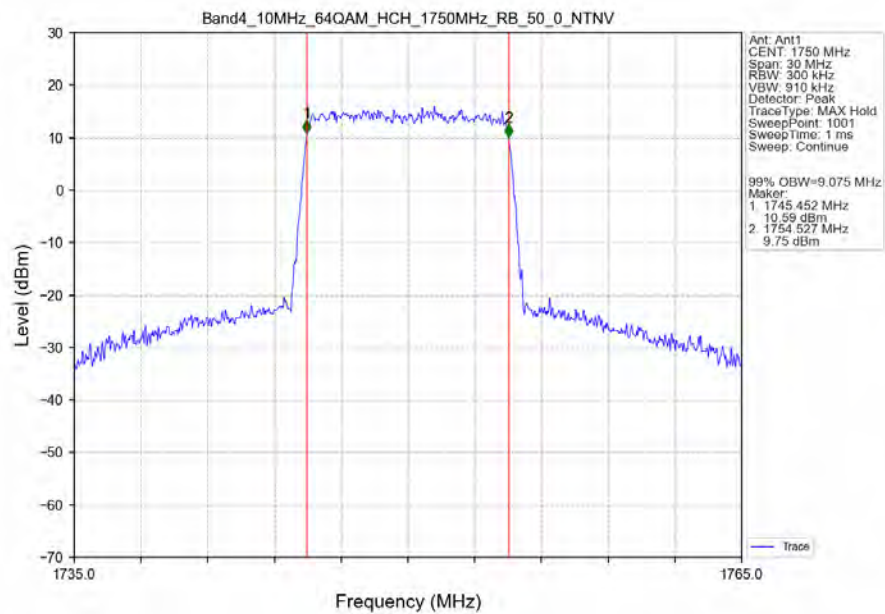
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



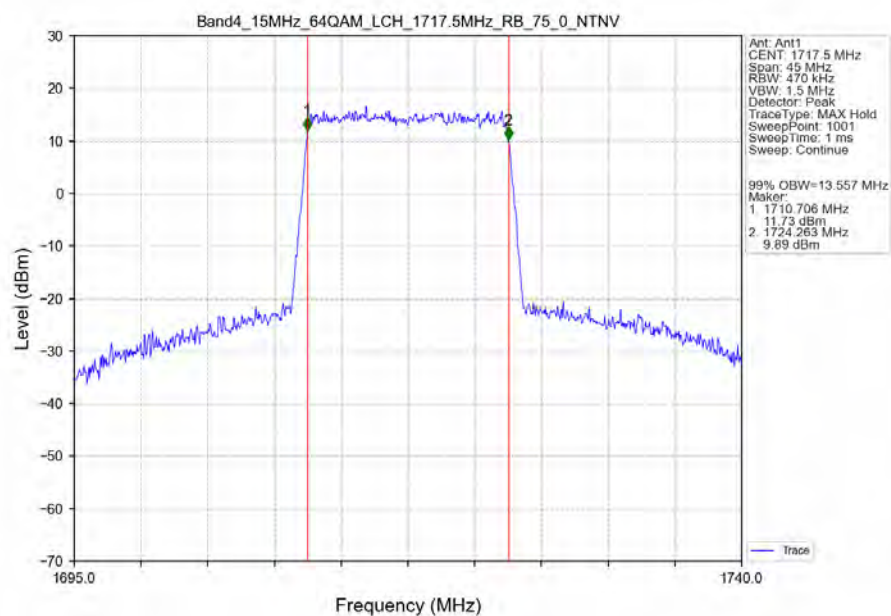
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



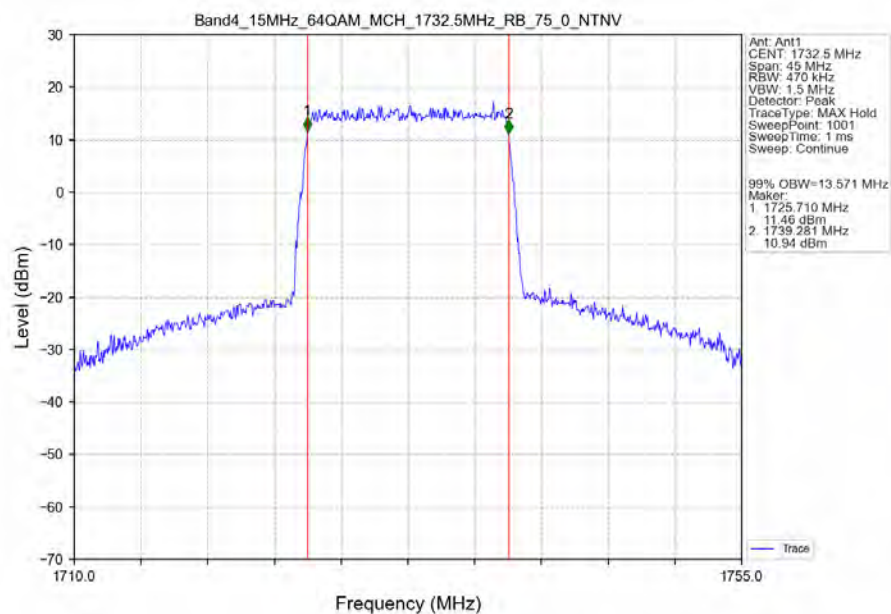
Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



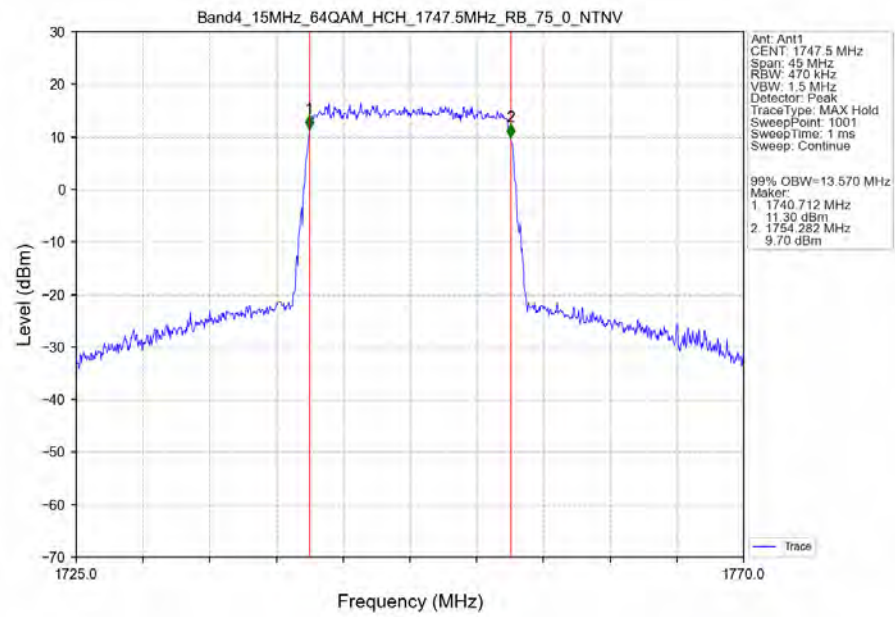
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



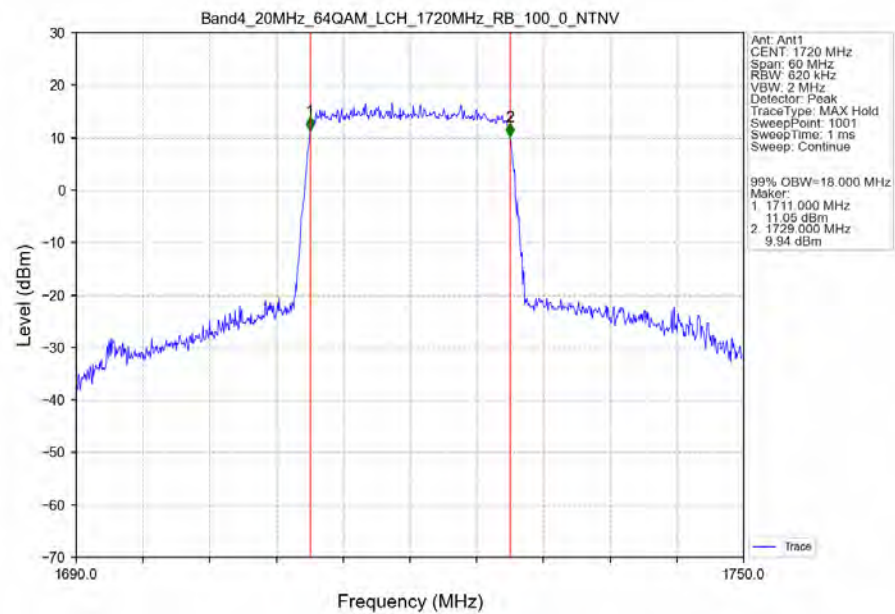
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV



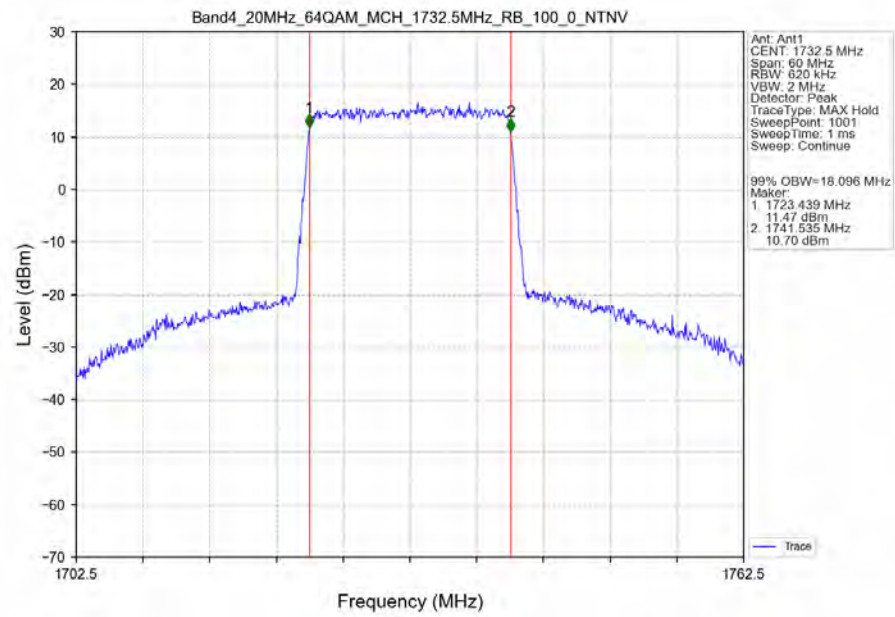
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV



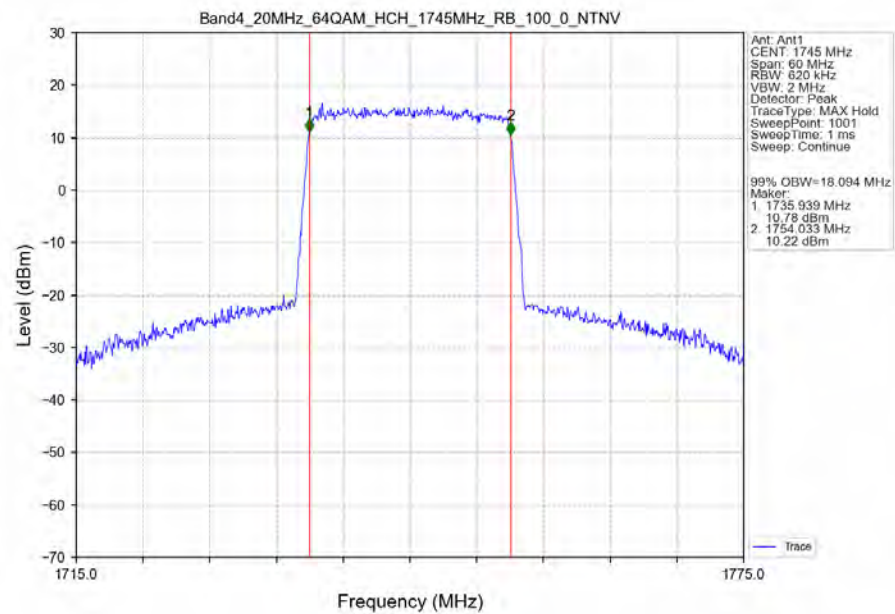
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



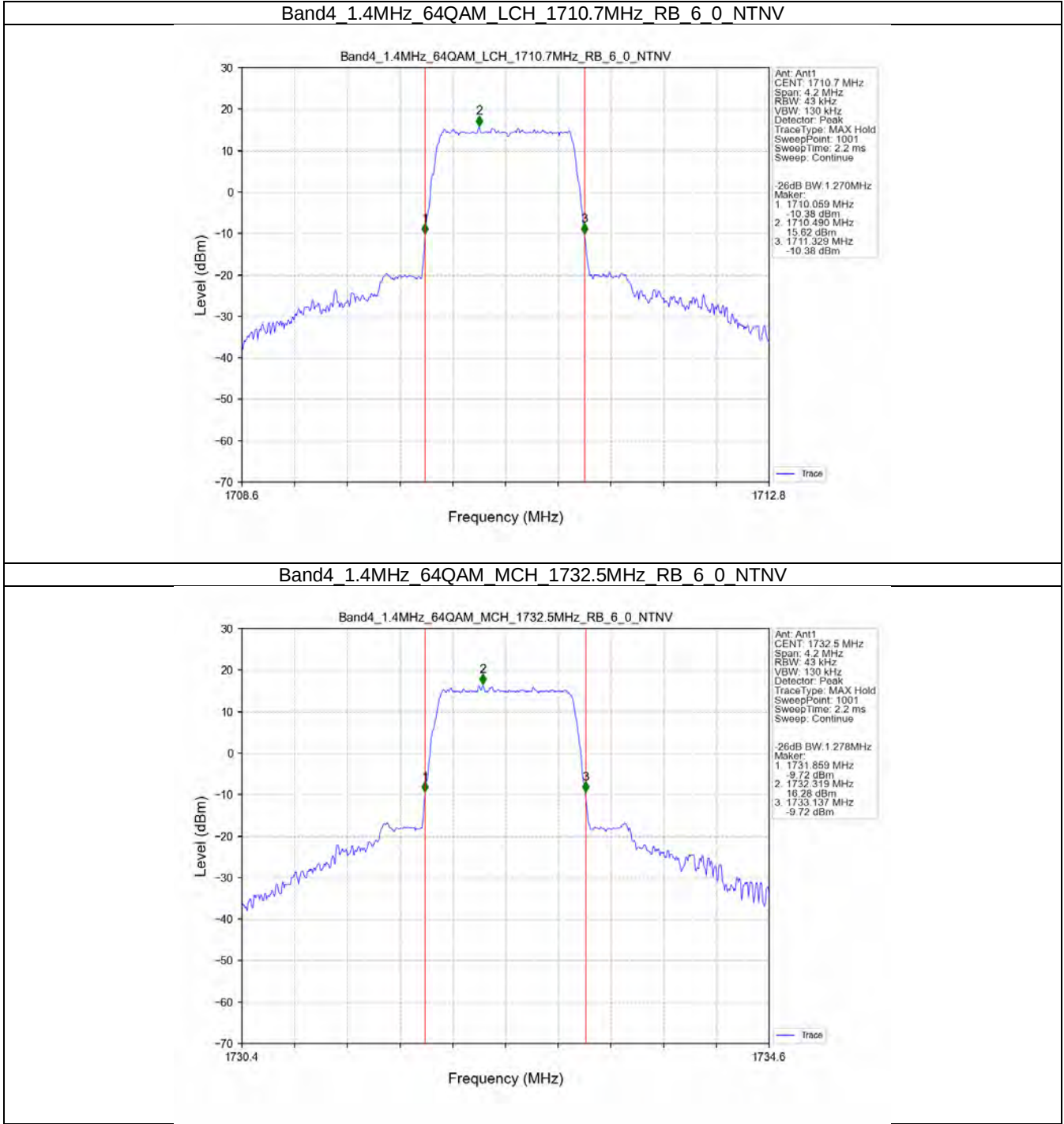
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



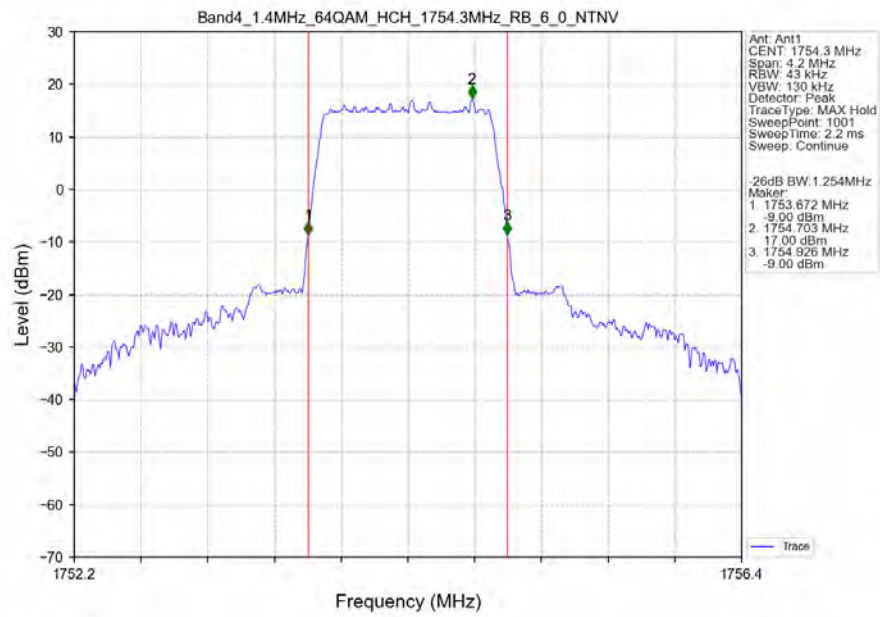
Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



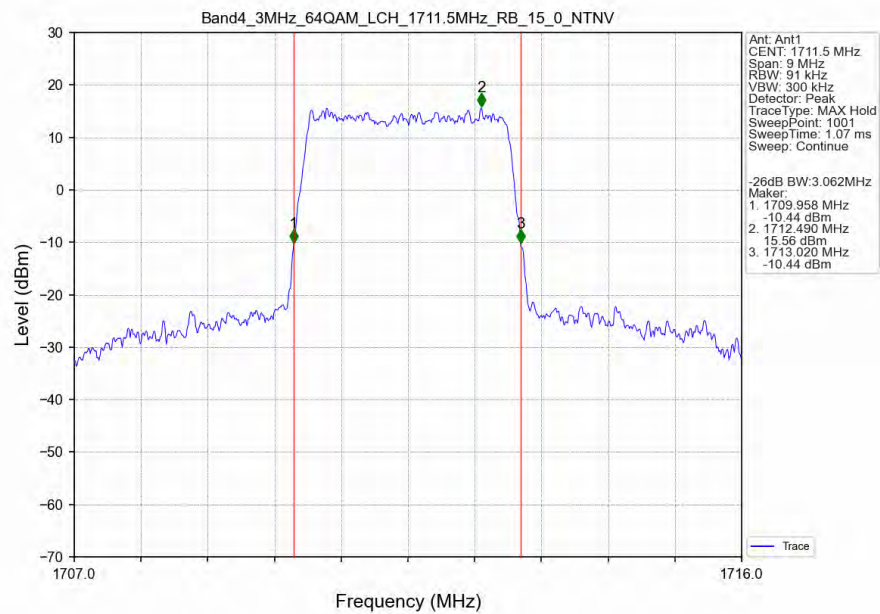
3.2.2 Band4_XDB



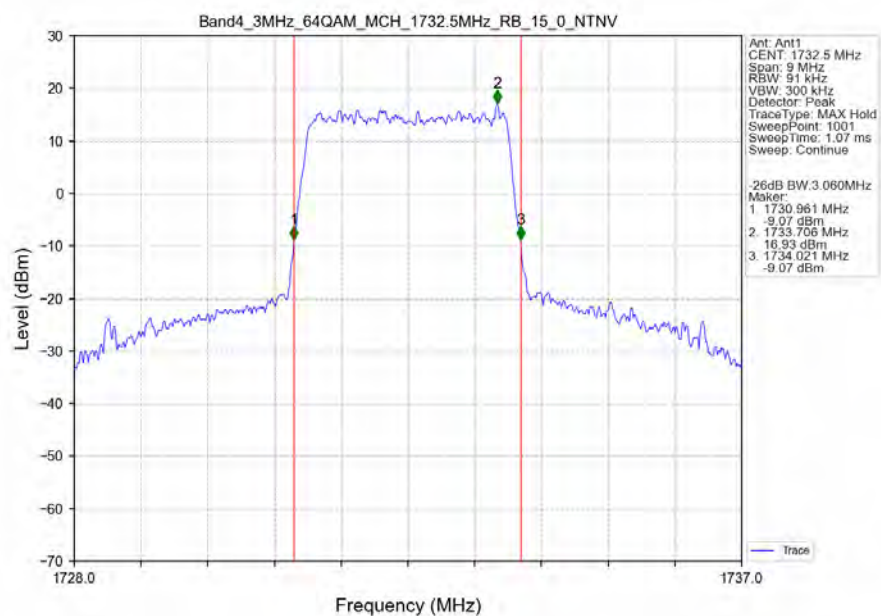
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



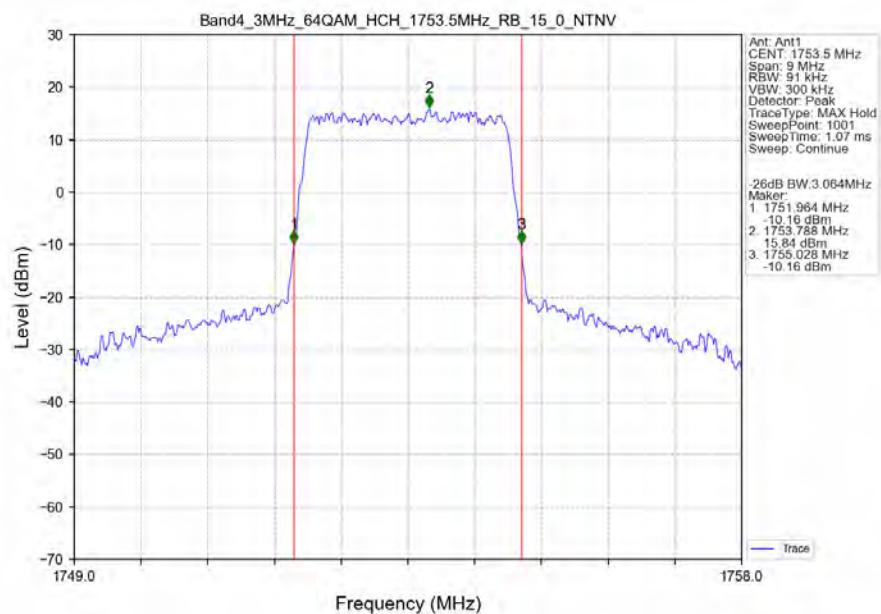
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



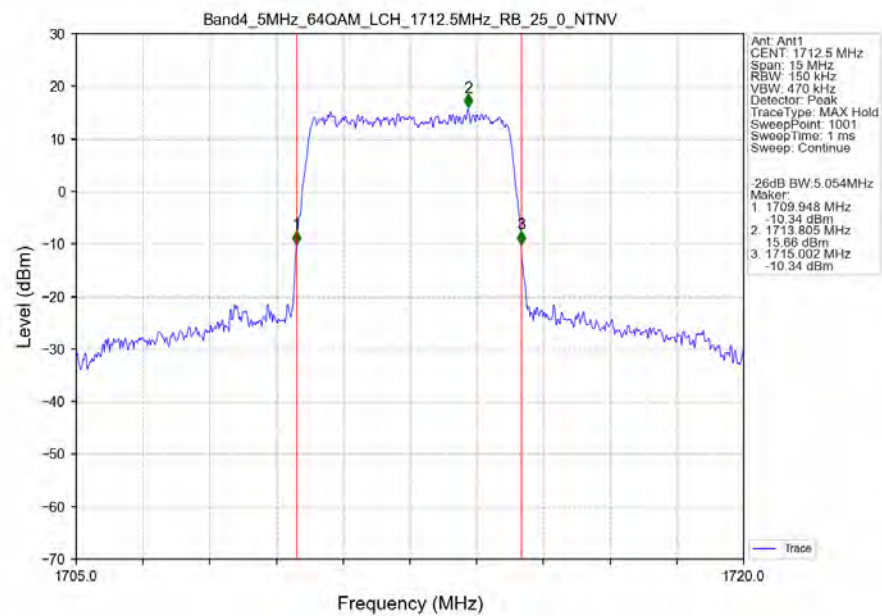
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_15_0_NTNV



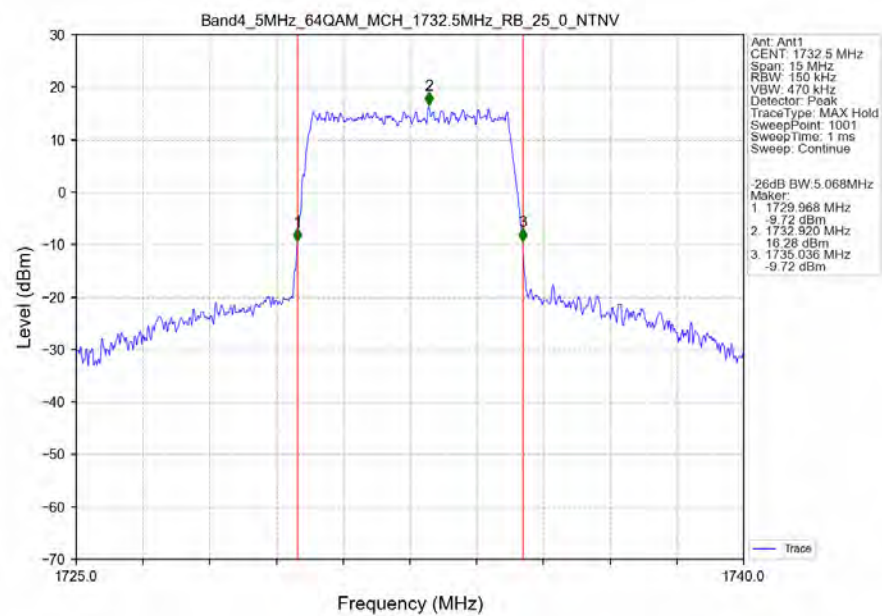
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



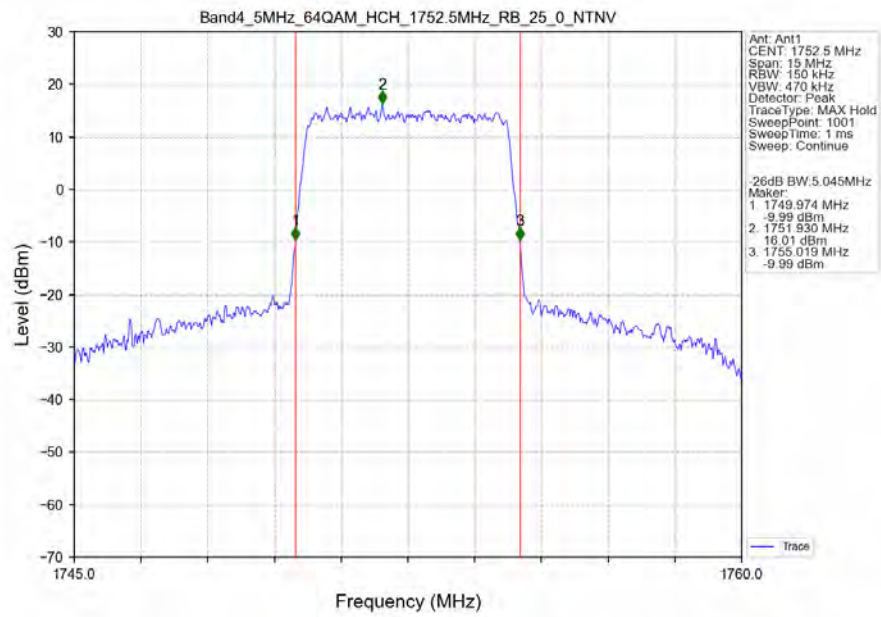
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



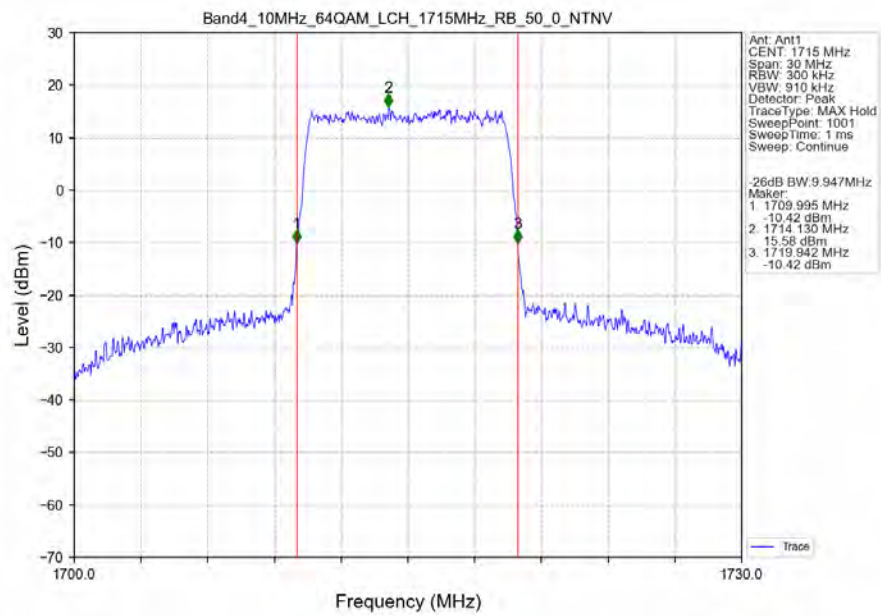
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_25_0_NTNV



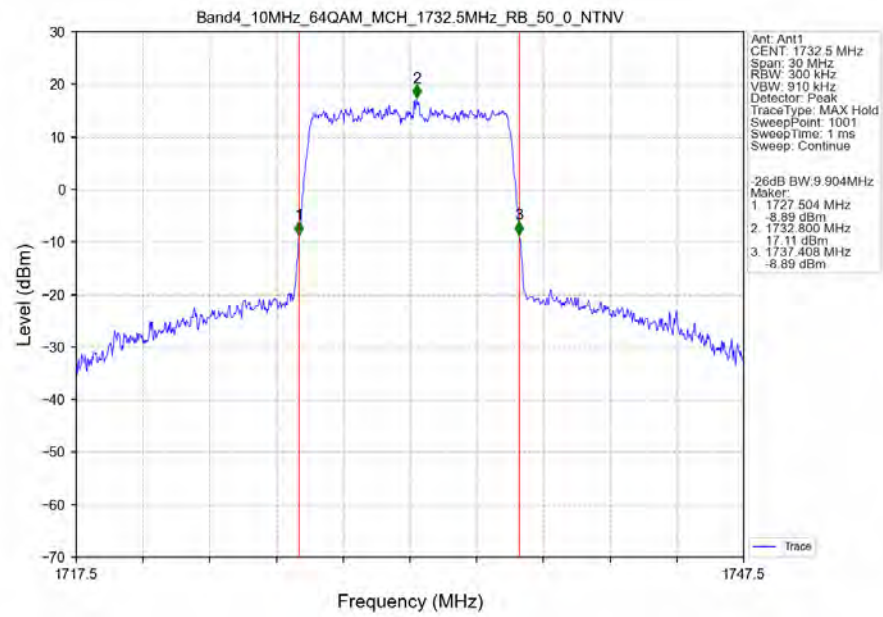
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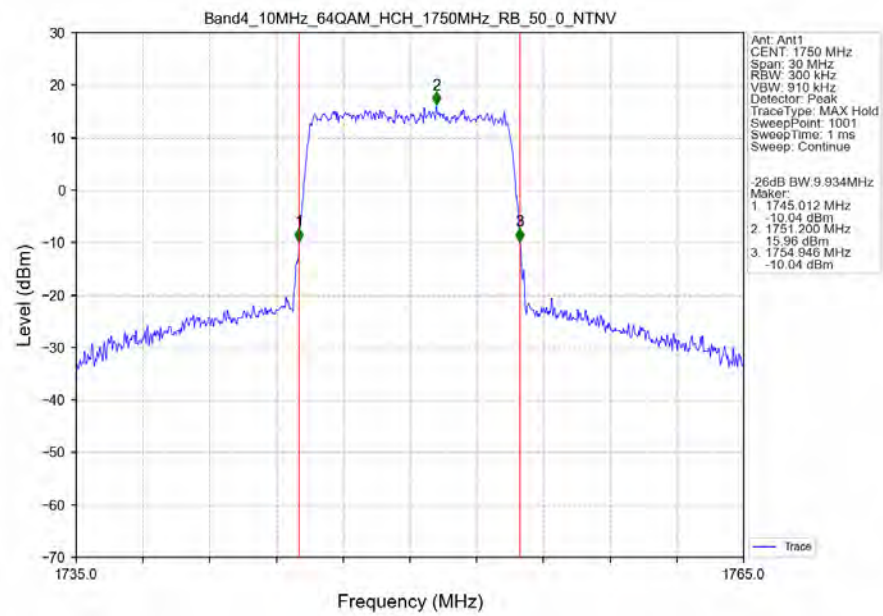
Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



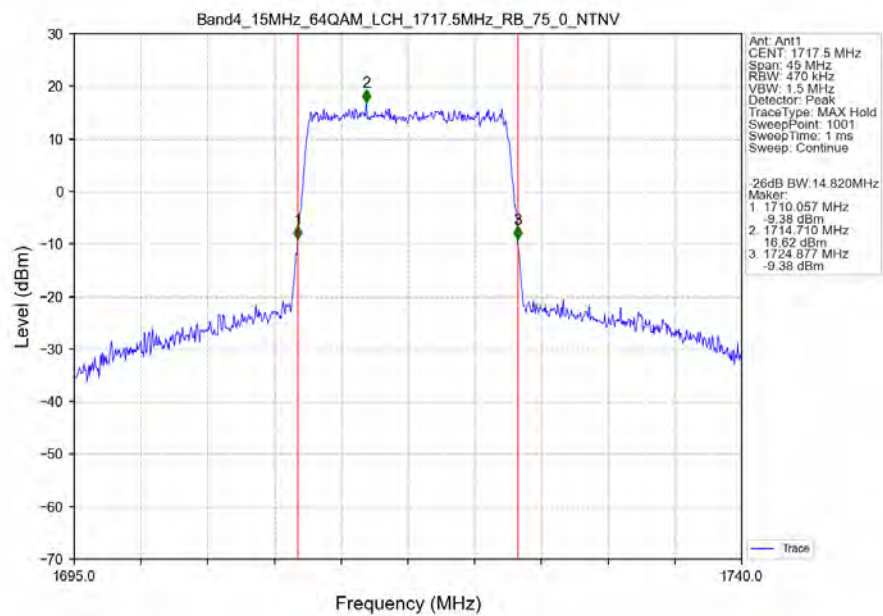
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_50_0_NTNV



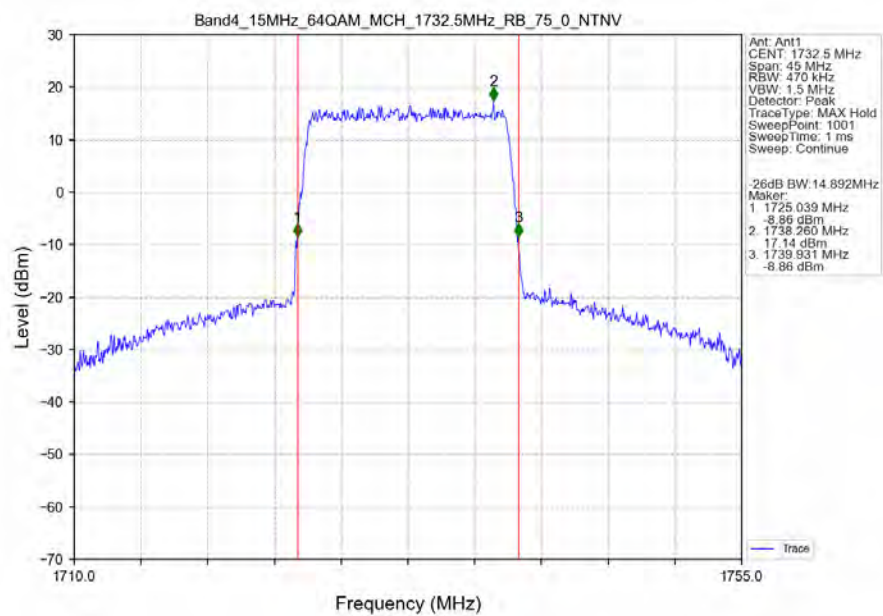
Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



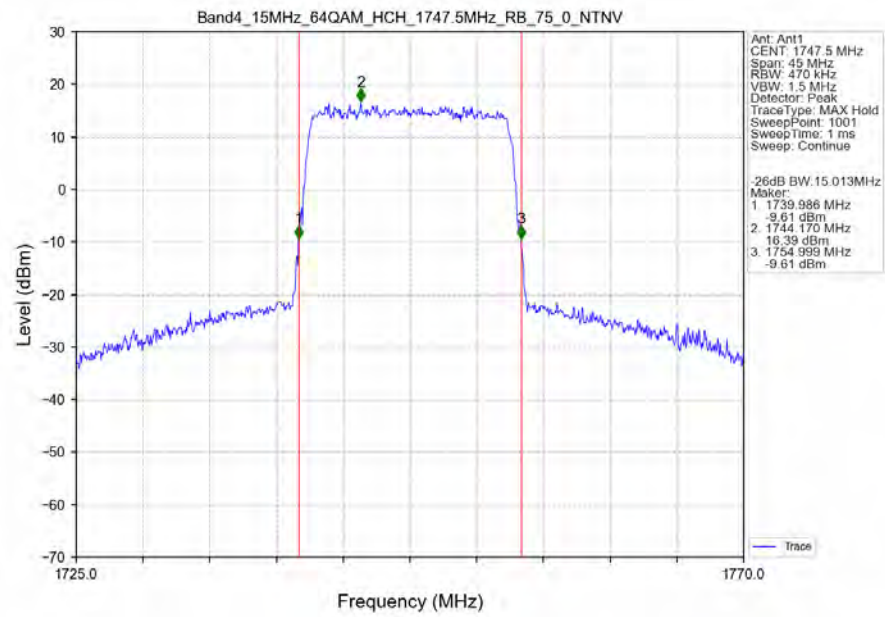
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



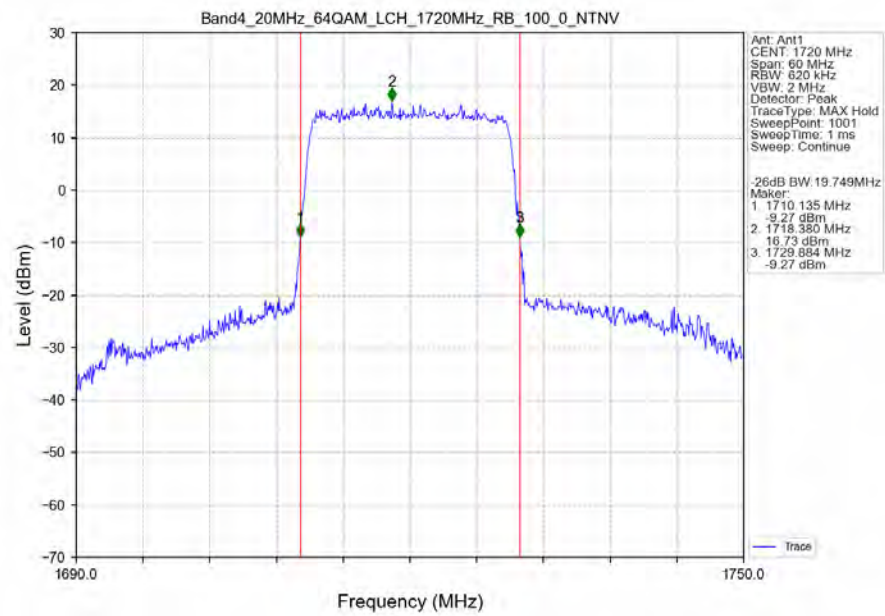
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_75_0_NTNV



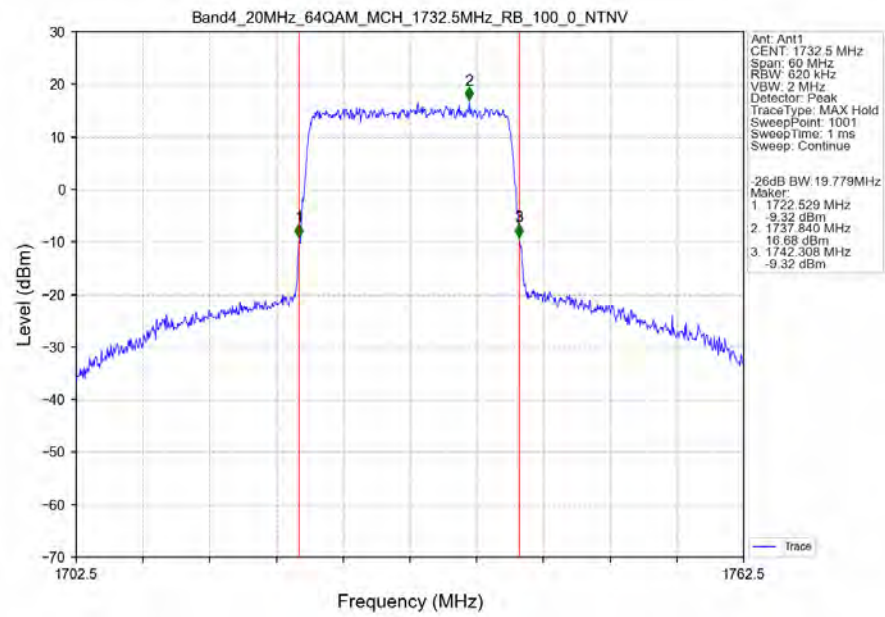
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_75_0_NTNV



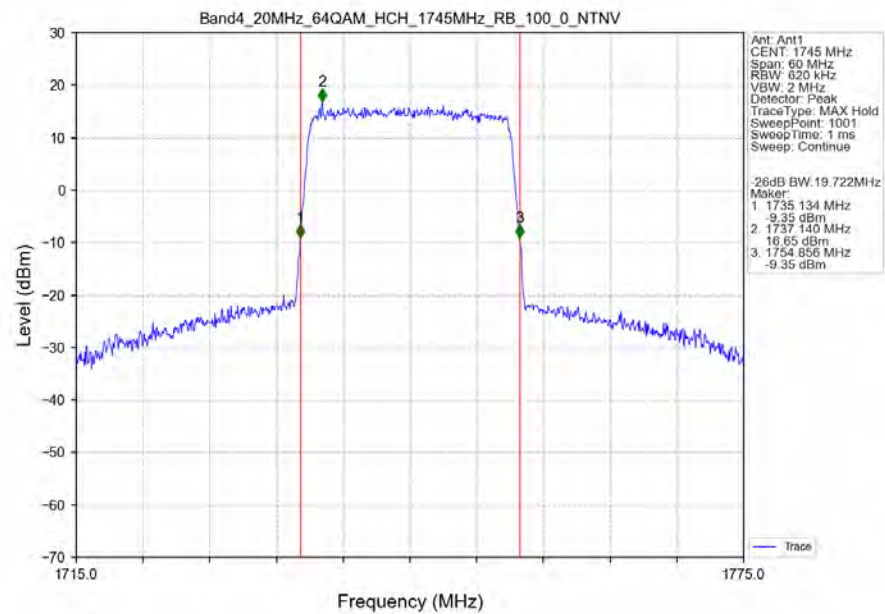
Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	1710.7	6	0	6.31	<=13	Pass
	1732.5	6	0	6.99	<=13	Pass
	1754.3	6	0	6.75	<=13	Pass

4.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	1711.5	15	0	6.38	<=13	Pass
	1732.5	15	0	6.83	<=13	Pass
	1753.5	15	0	6.80	<=13	Pass

4.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	1712.5	25	0	6.43	<=13	Pass
	1732.5	25	0	6.81	<=13	Pass
	1752.5	25	0	6.73	<=13	Pass

4.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	1715	50	0	6.48	<=13	Pass
	1732.5	50	0	6.80	<=13	Pass
	1750	50	0	6.67	<=13	Pass

4.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	1717.5	75	0	6.49	<=13	Pass

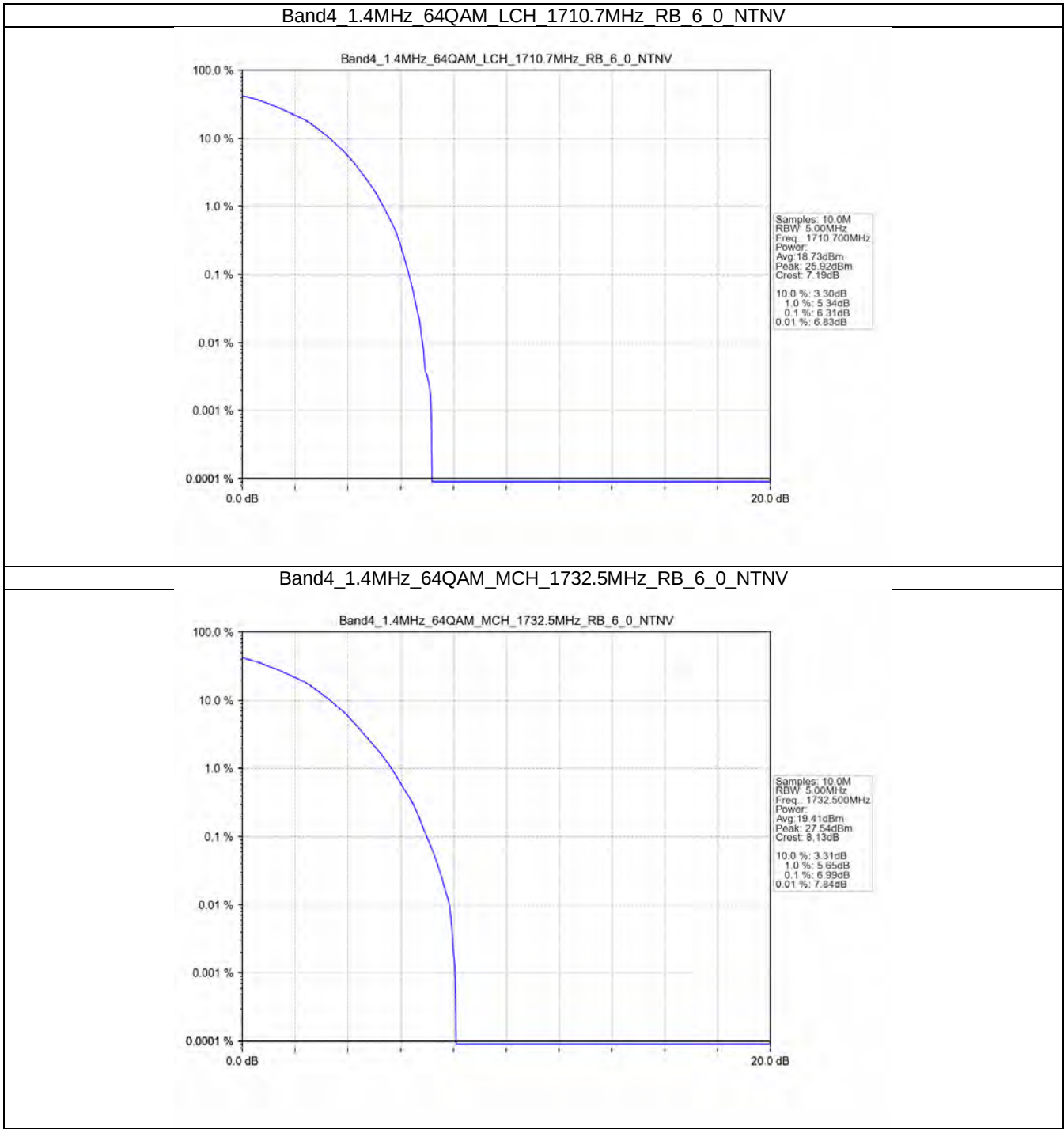
	1732.5	75	0	6.74	<=13	Pass
	1747.5	75	0	6.65	<=13	Pass

4.1.6 B4_20MHz

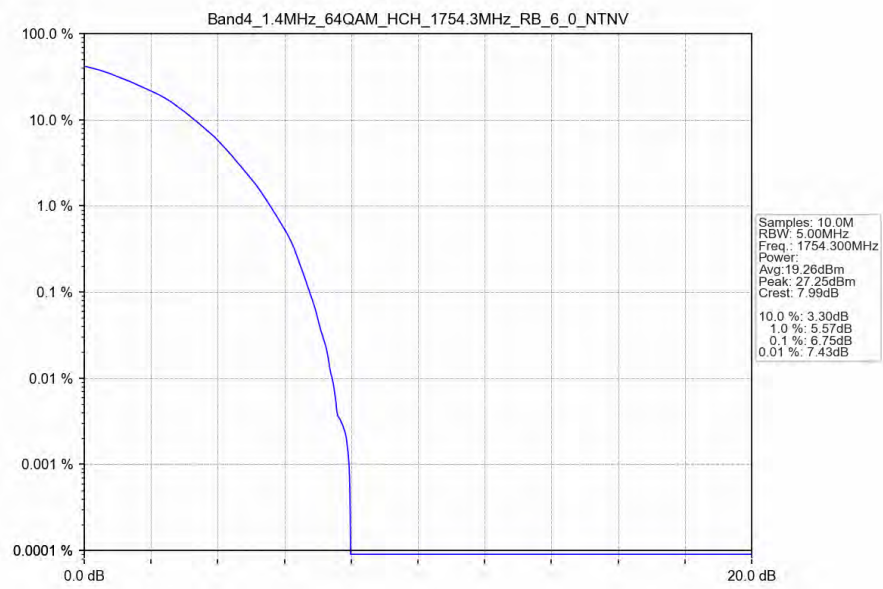
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	1720	100	0	6.60	<=13	Pass
	1732.5	100	0	6.74	<=13	Pass
	1745	100	0	6.66	<=13	Pass

4.2 Test Graph

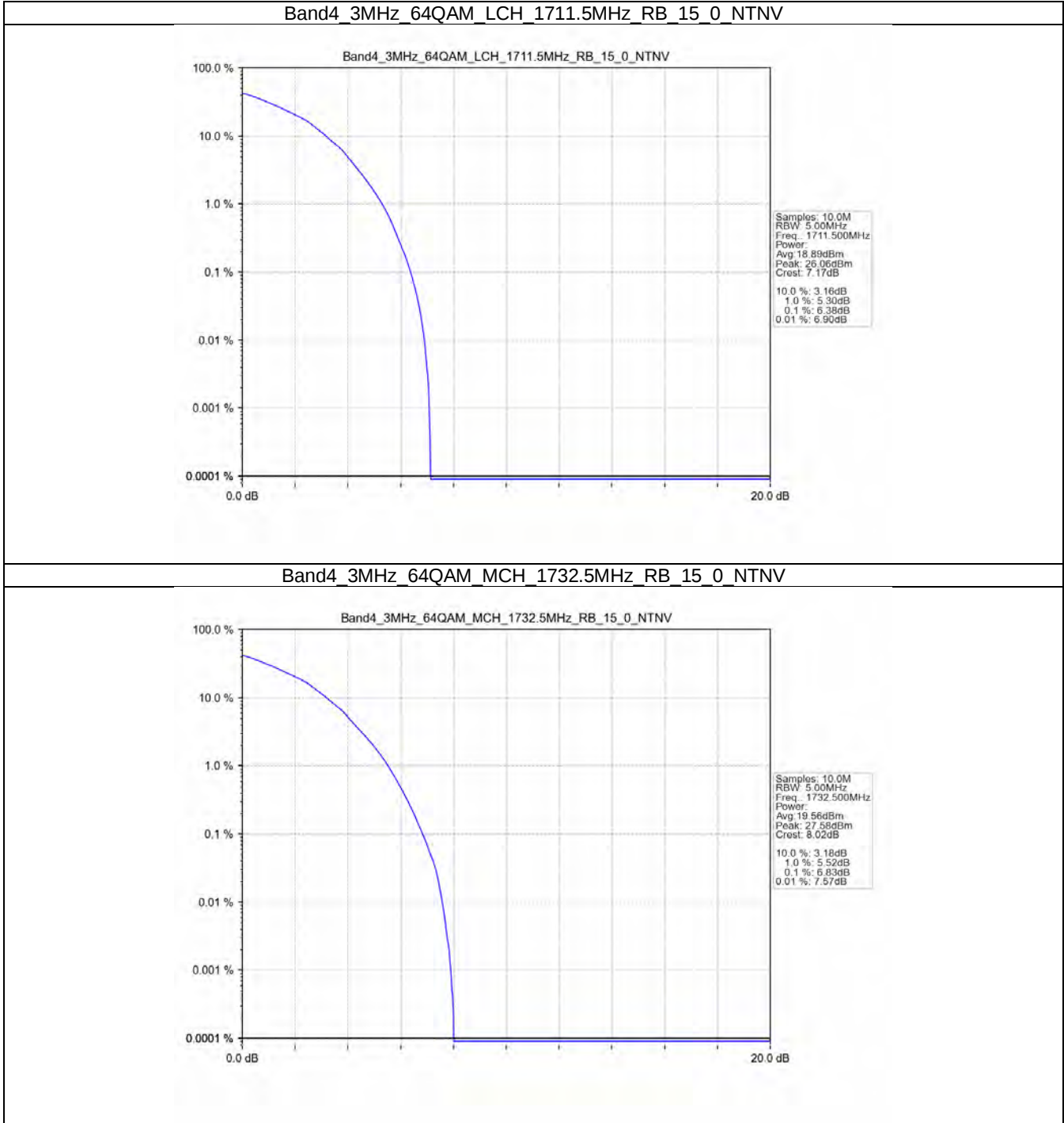
4.2.1 B4_1.4MHz



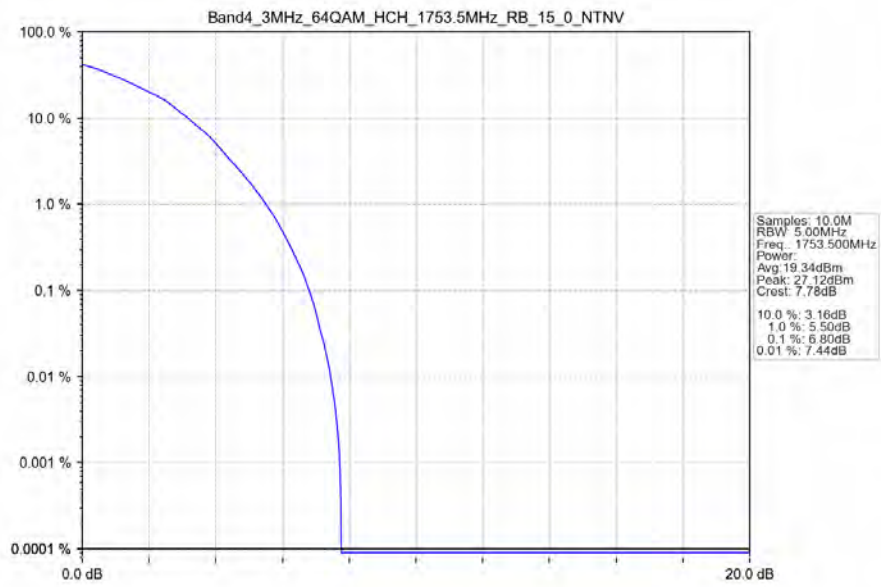
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_6_0_NTNV



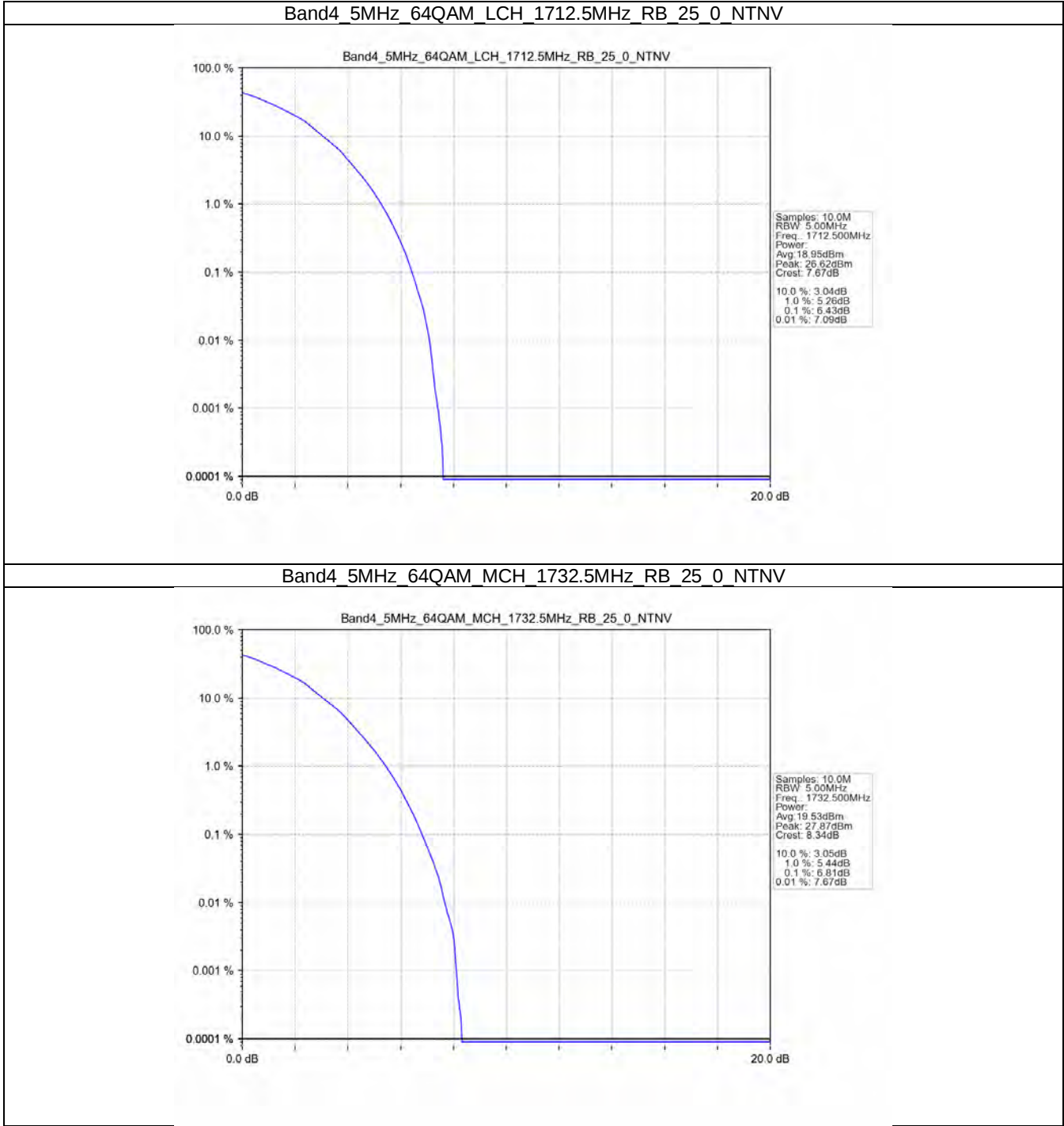
4.2.2 B4_3MHz



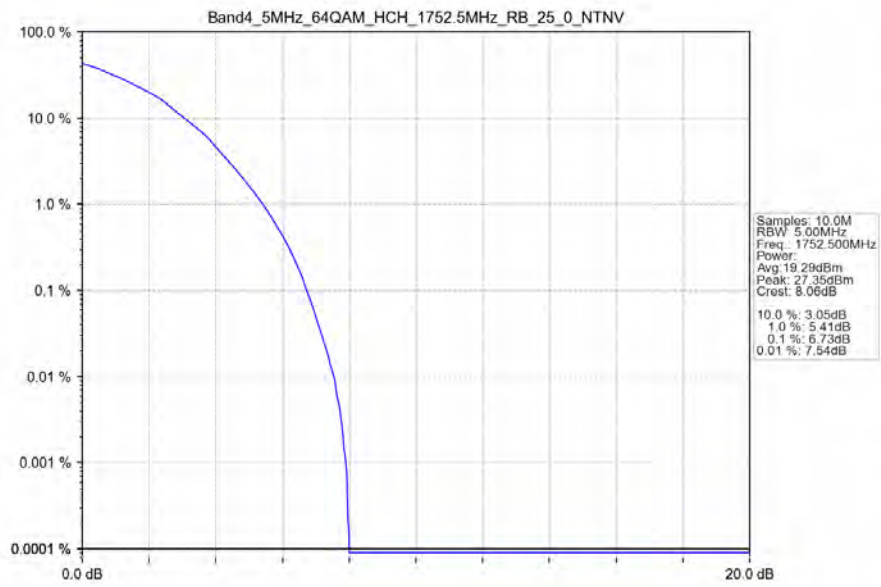
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_15_0_NTNV



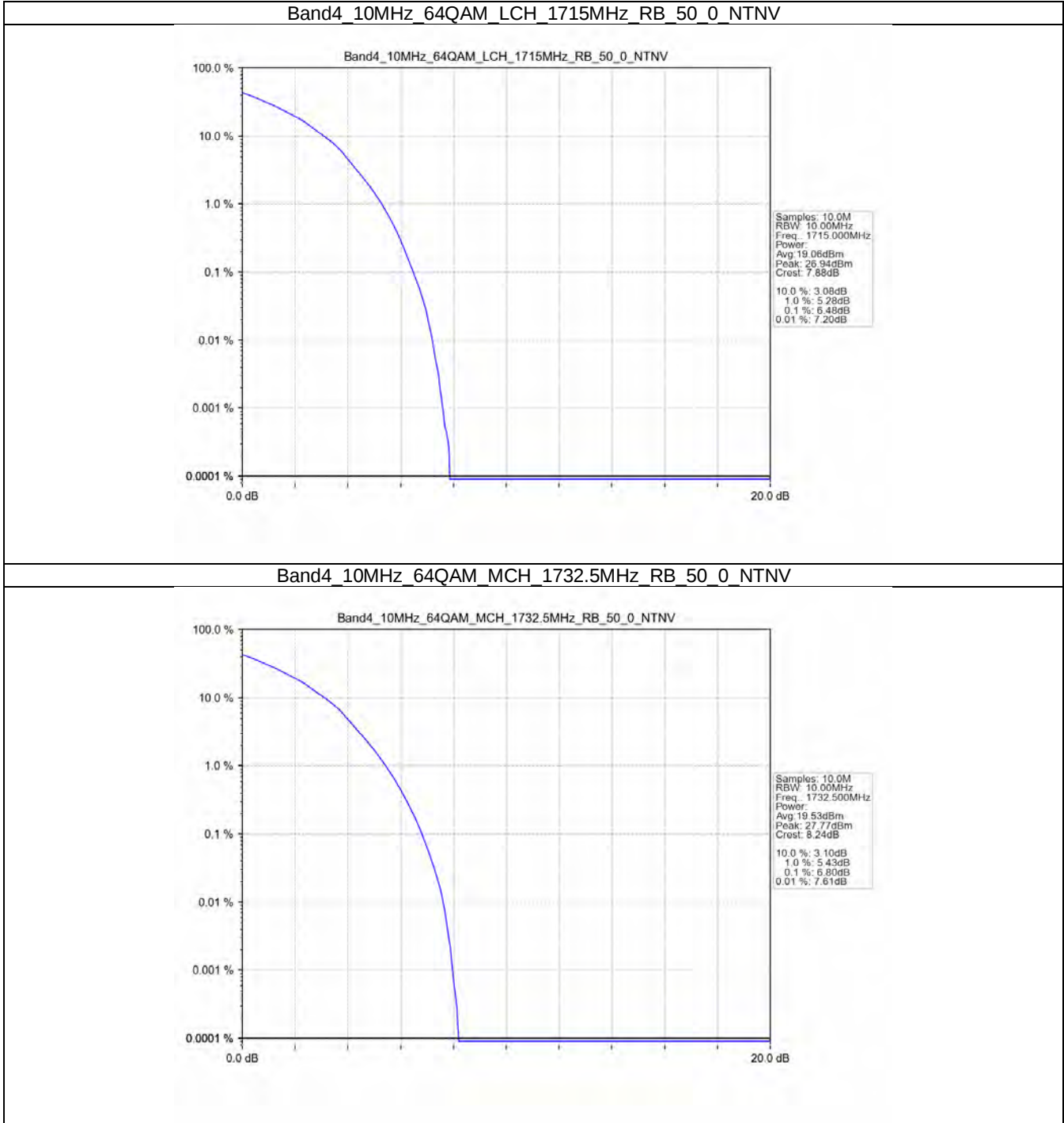
4.2.3 B4_5MHz



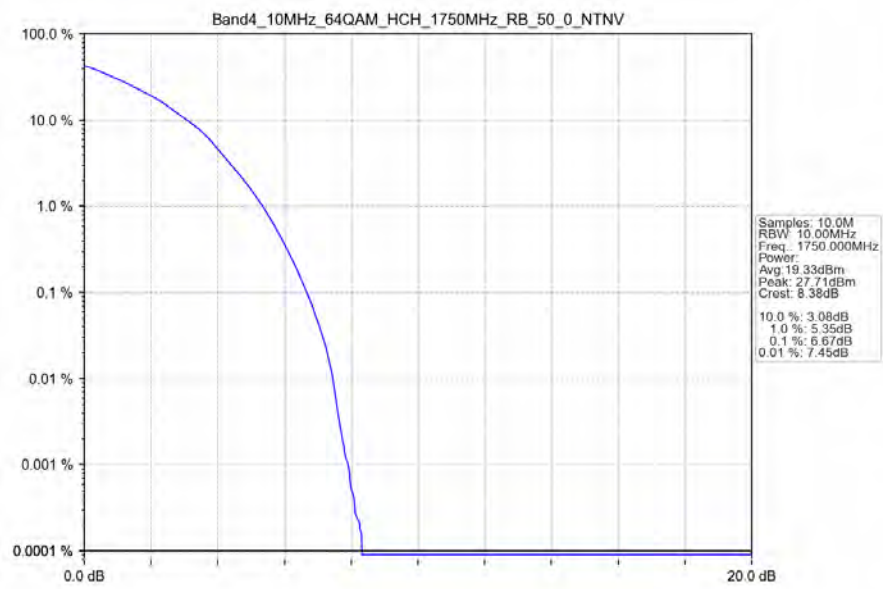
Band4_5MHz_64QAM_HCH_1752.5MHz_RB_25_0_NTNV



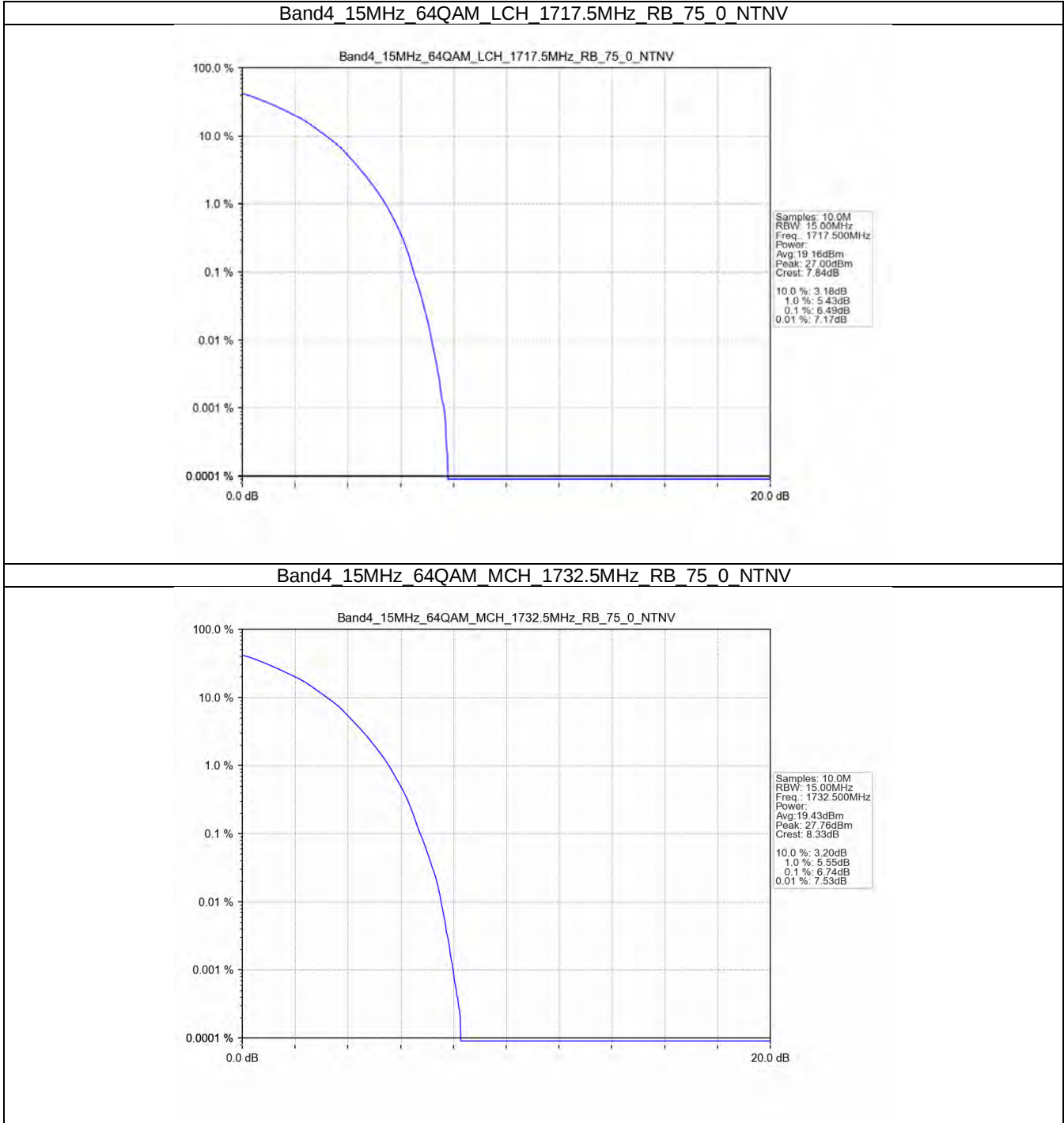
4.2.4 B4_10MHz



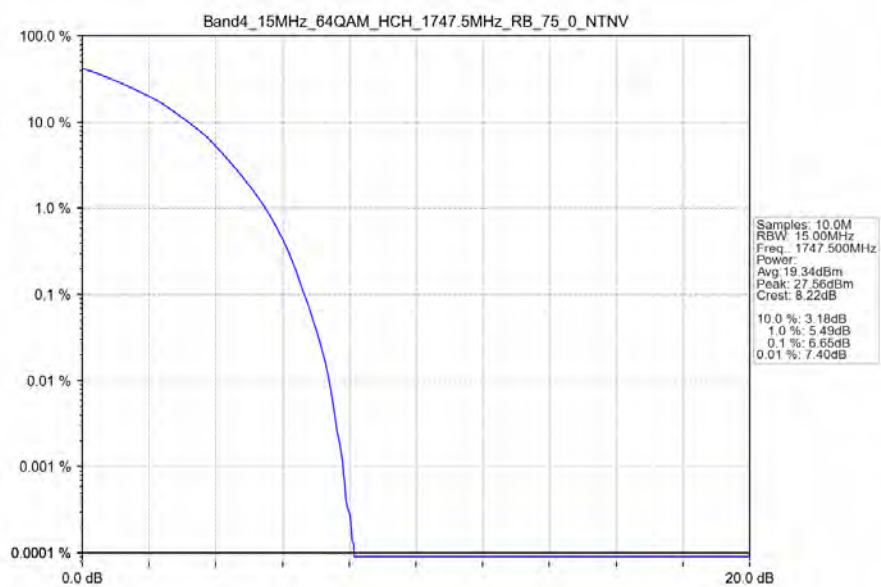
Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV



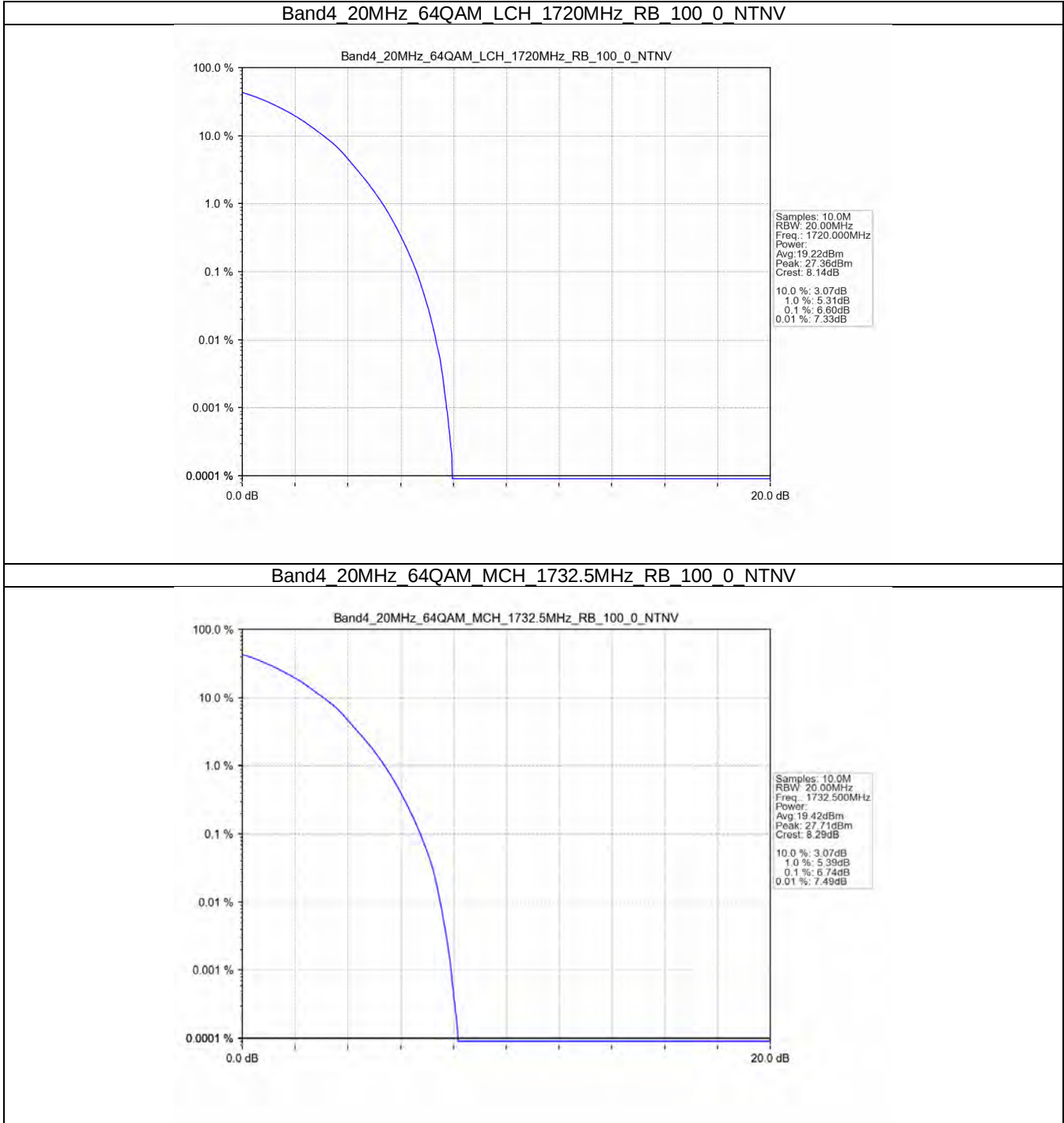
4.2.5 B4_15MHz



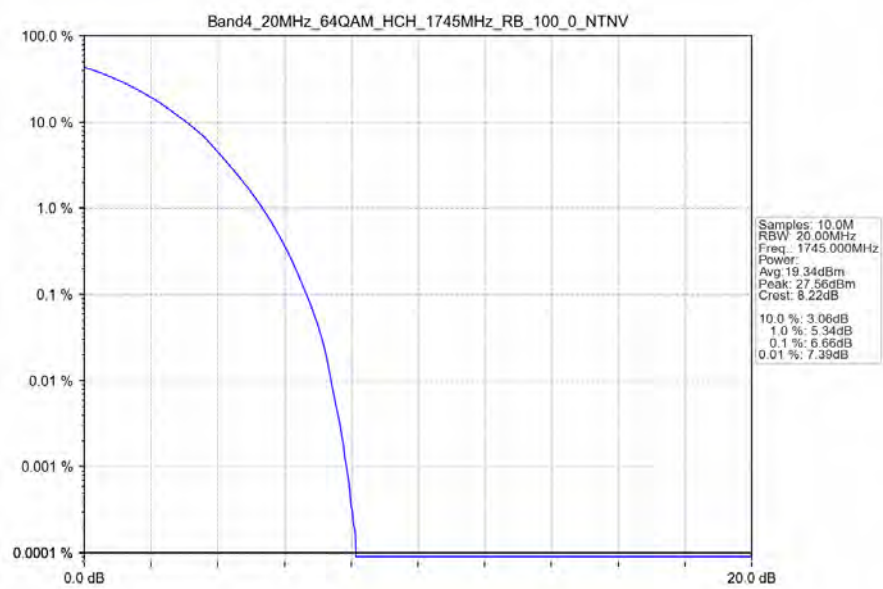
Band4 15MHz 64QAM HCH 1747.5MHz RB 75.0 NTNV



4.2.6 B4_20MHz



Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass

	1750	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.1.5 B4_15MHz

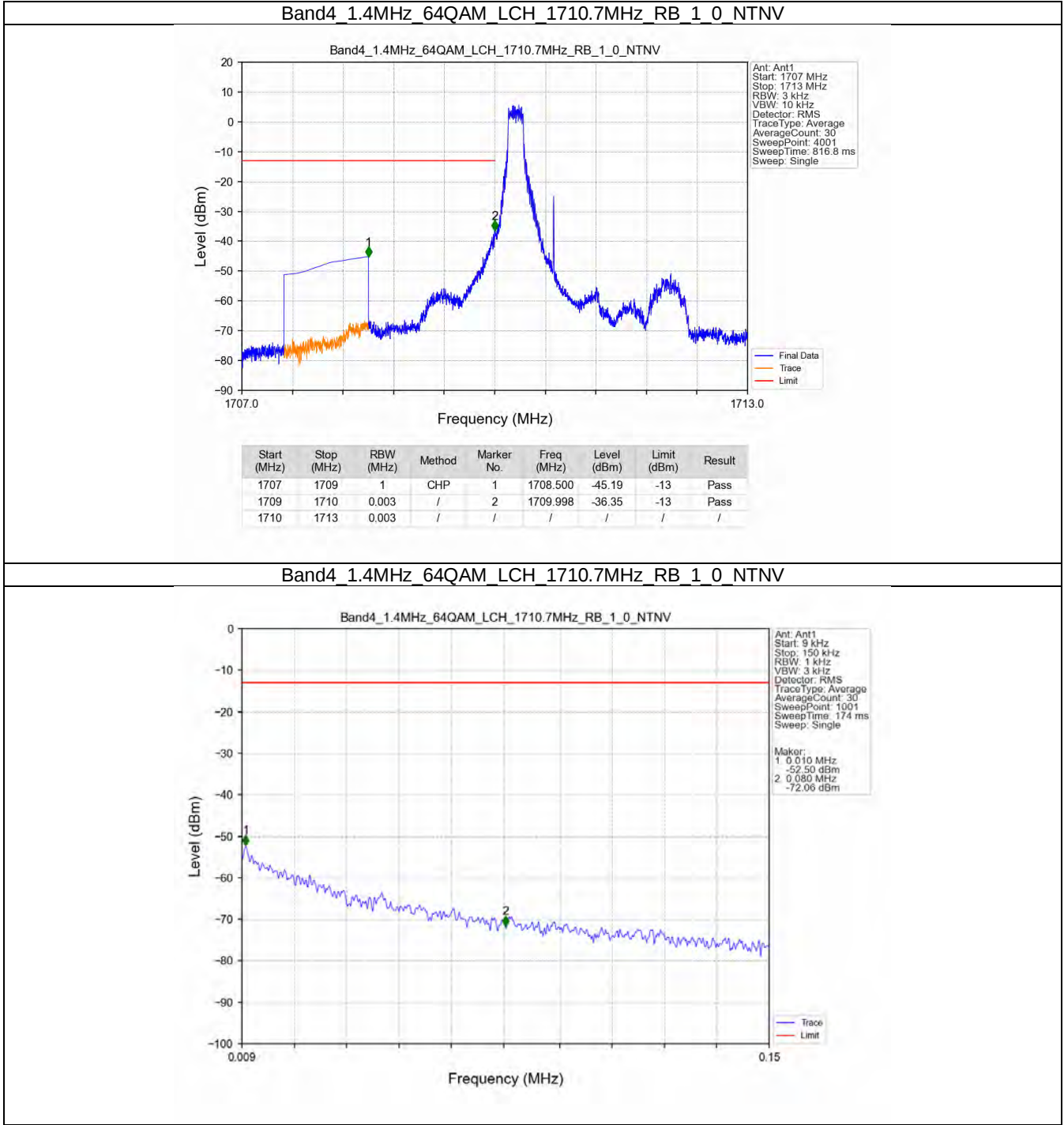
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.6 B4_20MHz

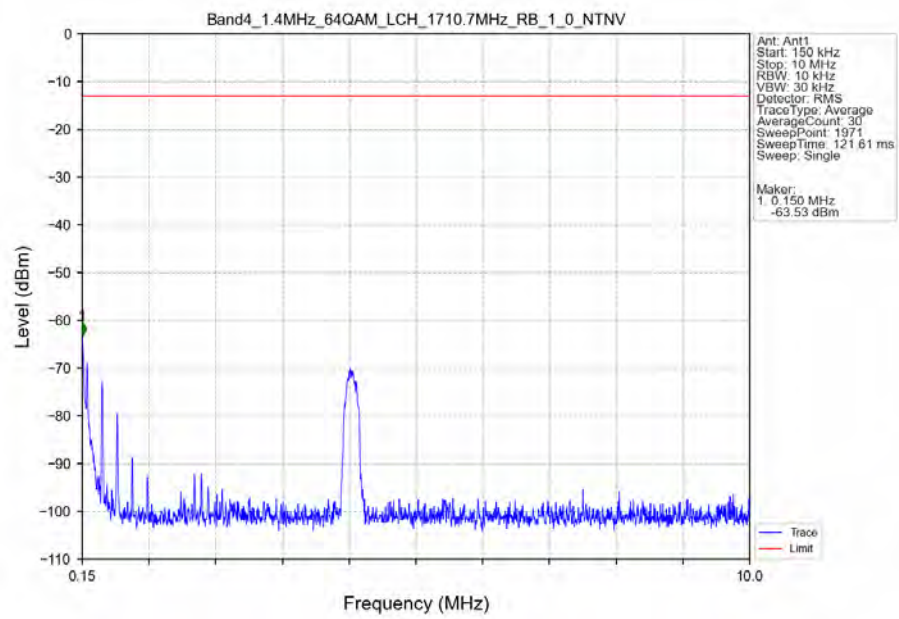
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

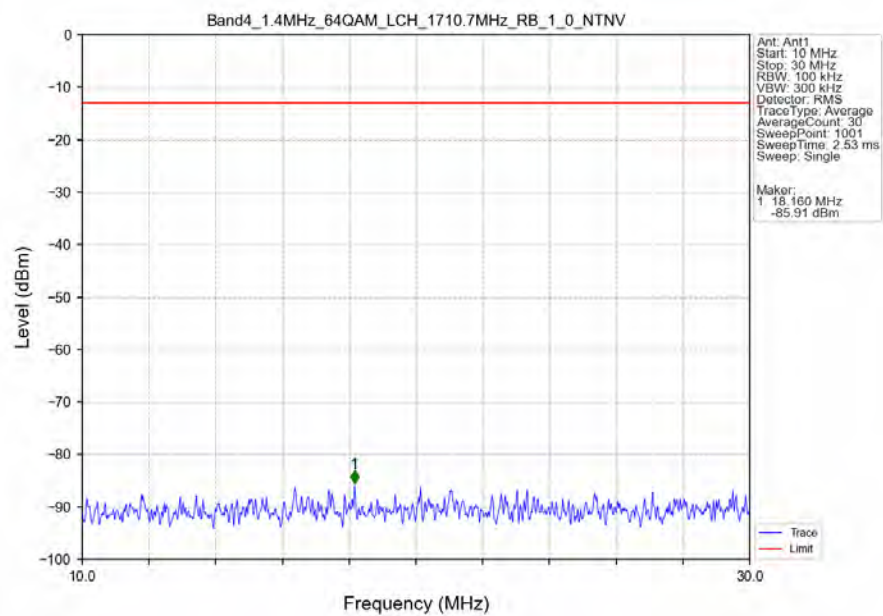
5.2.1 B4_1.4MHz



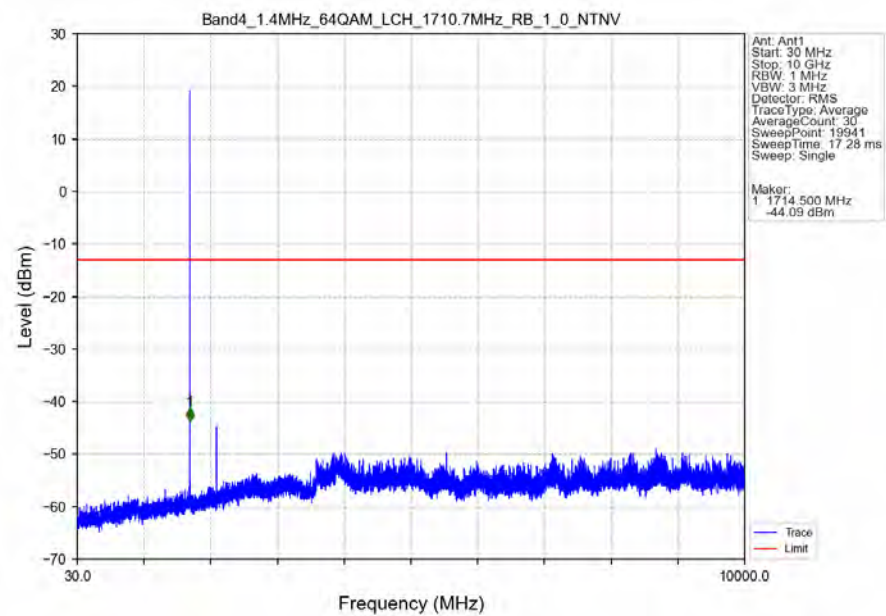
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



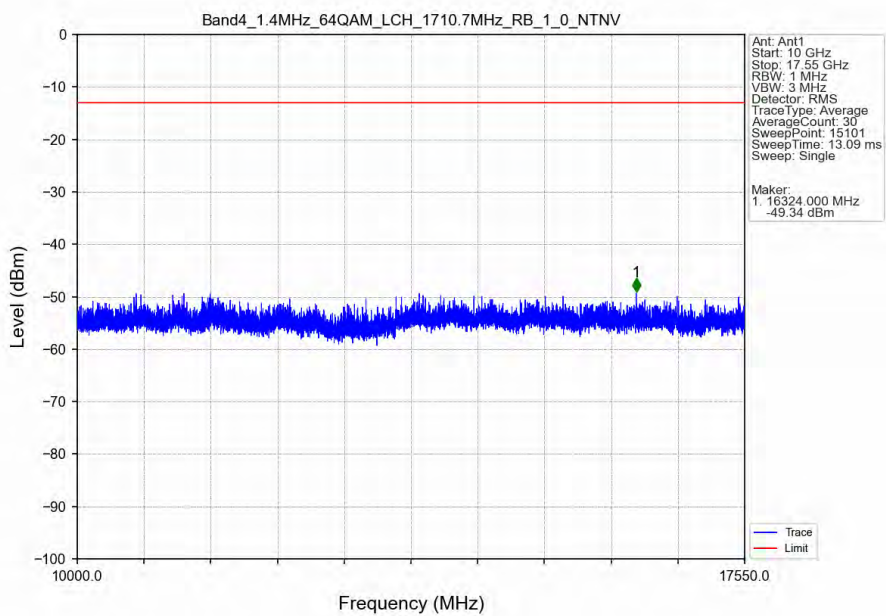
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



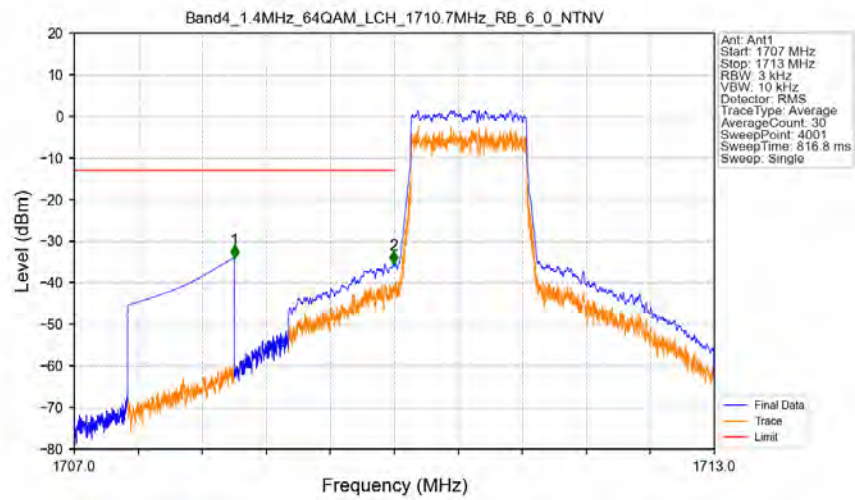
Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV

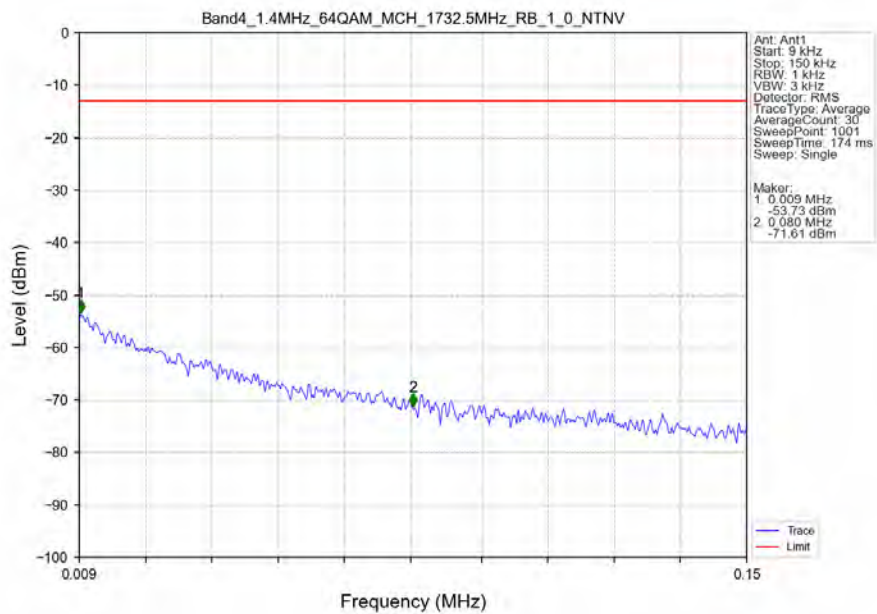


Band4 1.4MHz 64QAM LCH 1710.7MHz RB 6 0 NTN

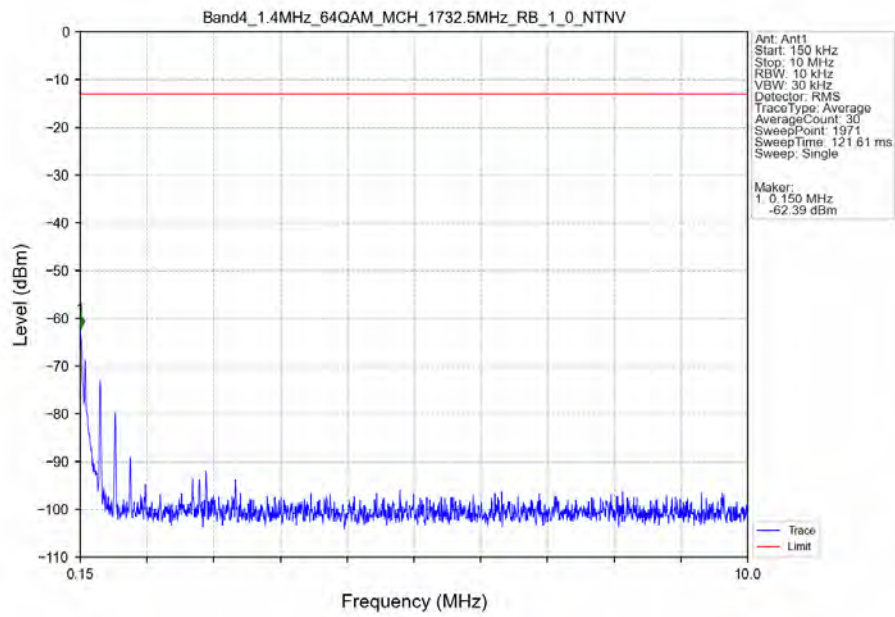


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-33.99	-13	Pass
1709	1710	0.013	CHP	2	1709.991	-35.49	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

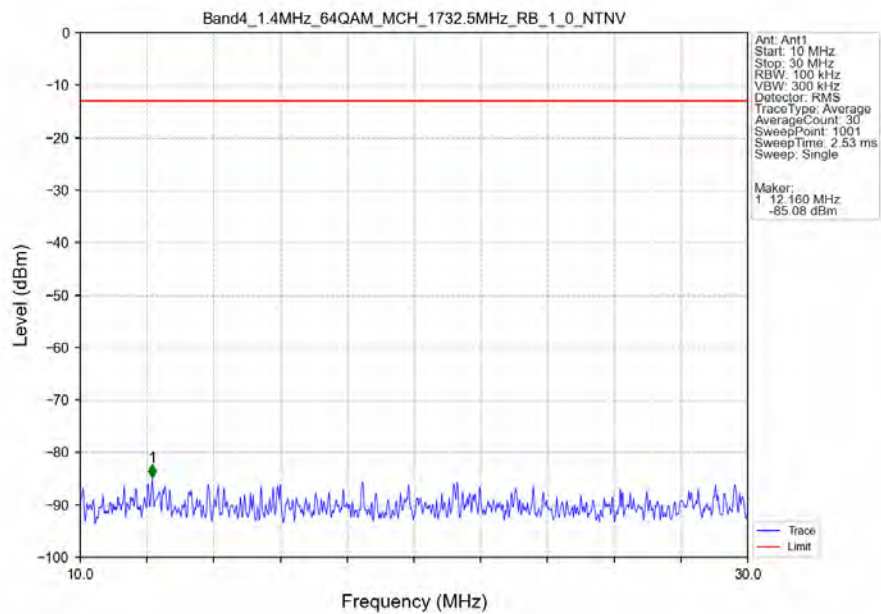
Band4 1.4MHz 64QAM MCH 1732.5MHz RB 1 0 NTN



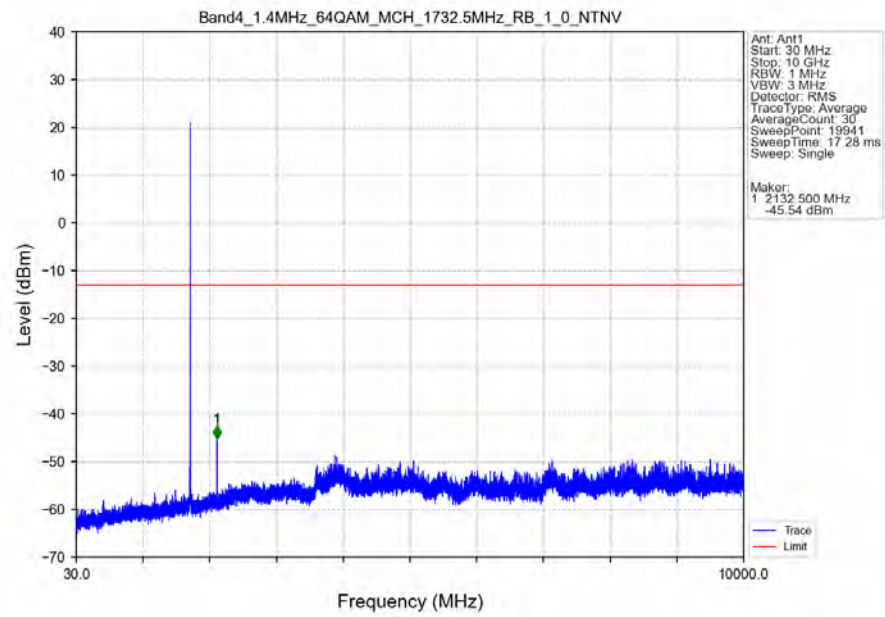
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



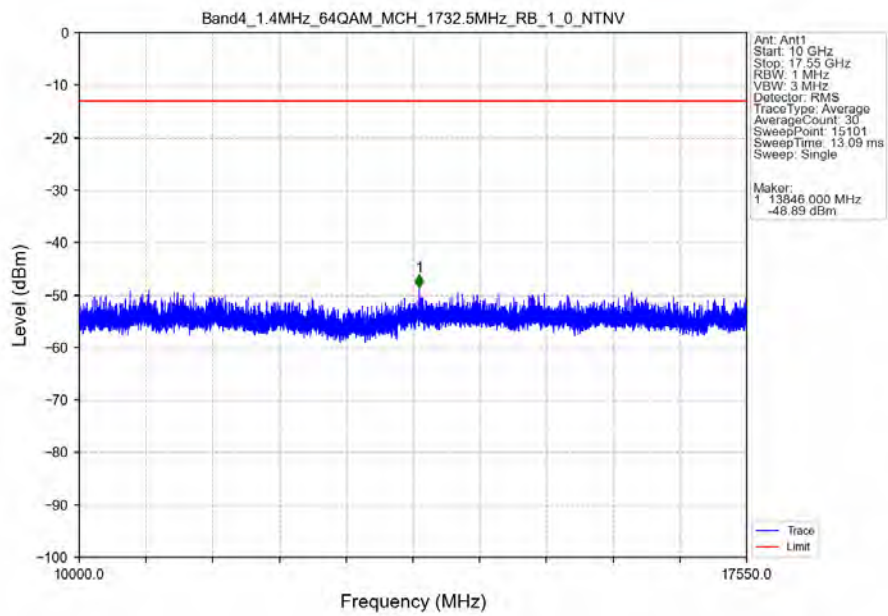
Band4_1.4MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



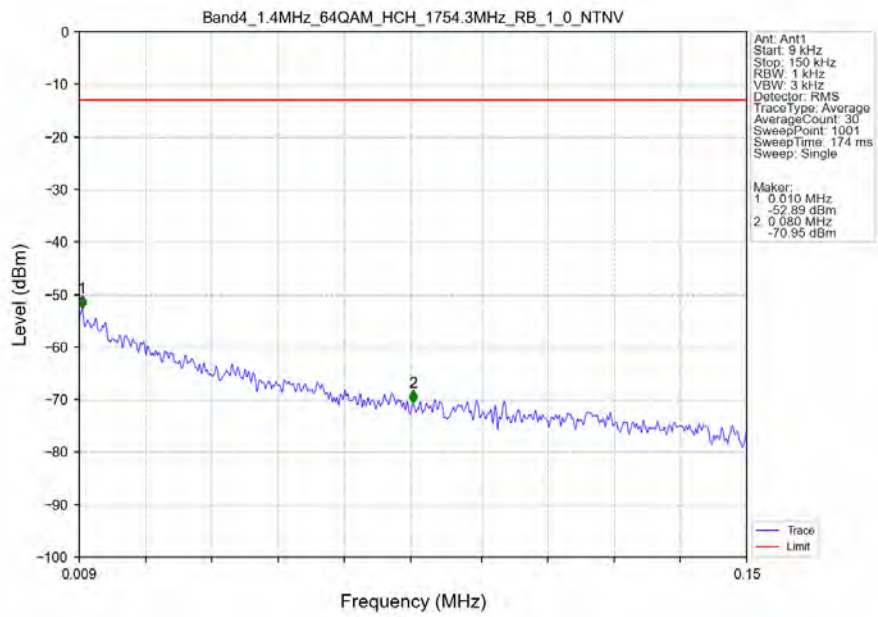
Band4 1.4MHz 64QAM MCH 1732.5MHz RB 1 0 NTN



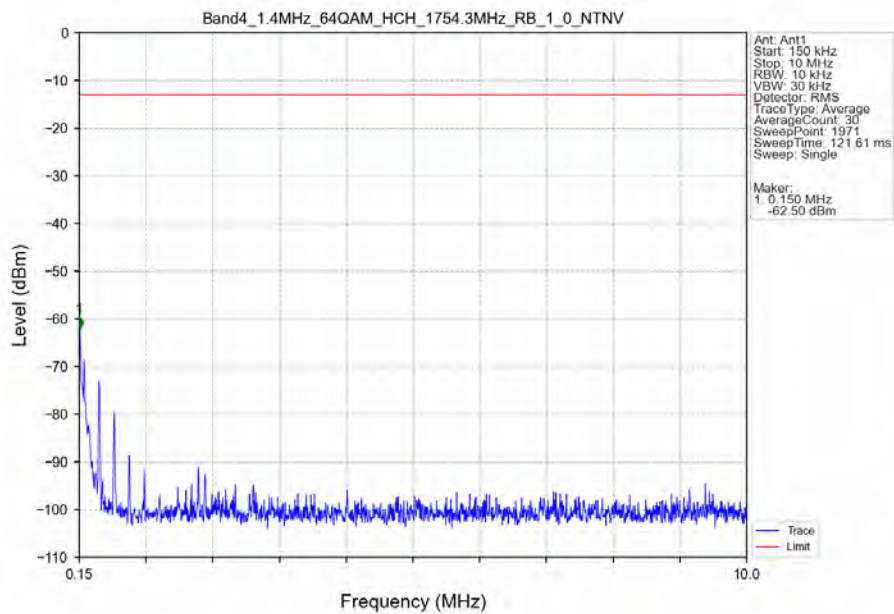
Band4 1.4MHz 64QAM MCH 1732.5MHz RB 1 0 NTN



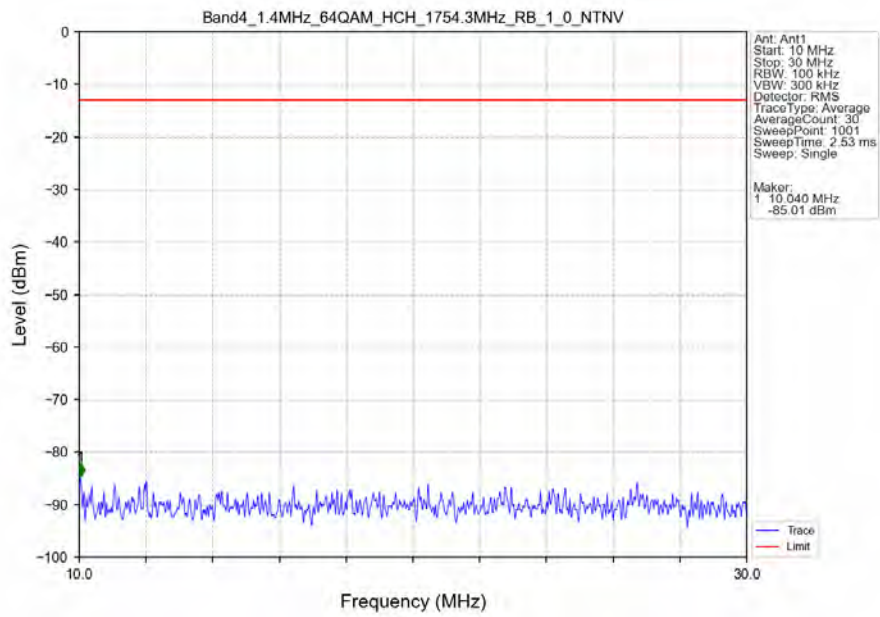
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_0_NTNV



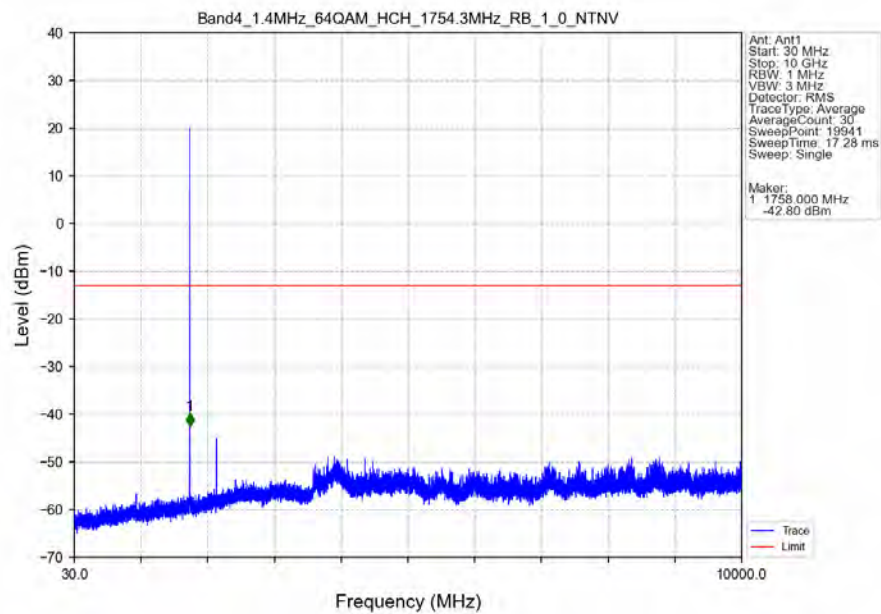
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_0_NTNV



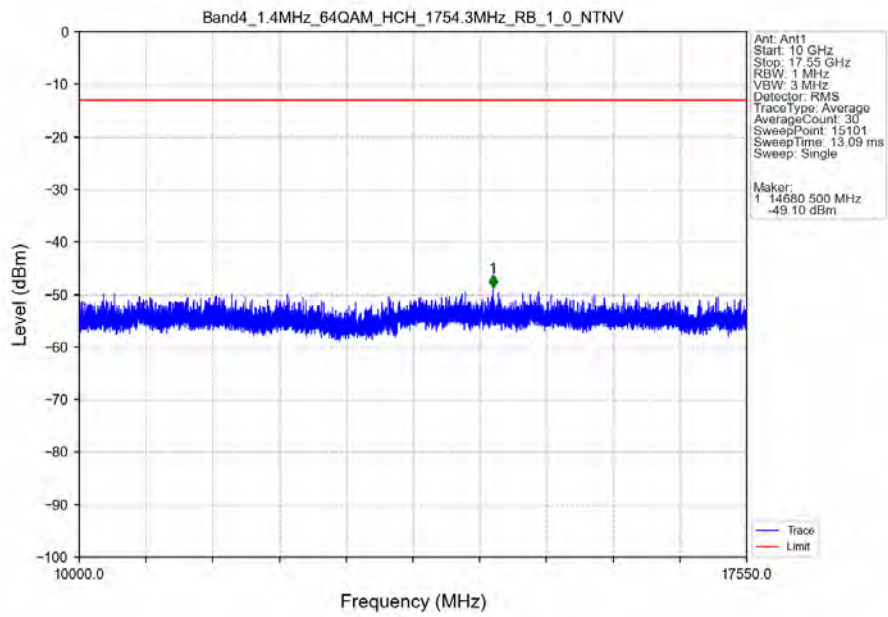
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_0_NTNV



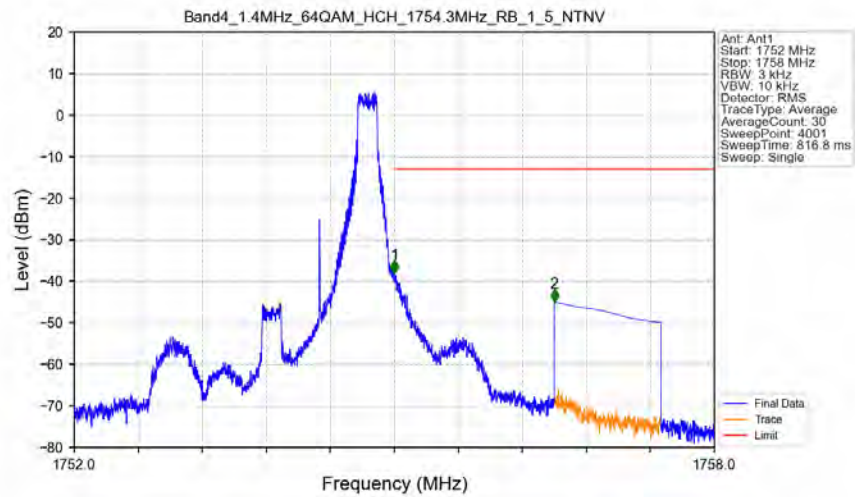
Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_0_NTNV

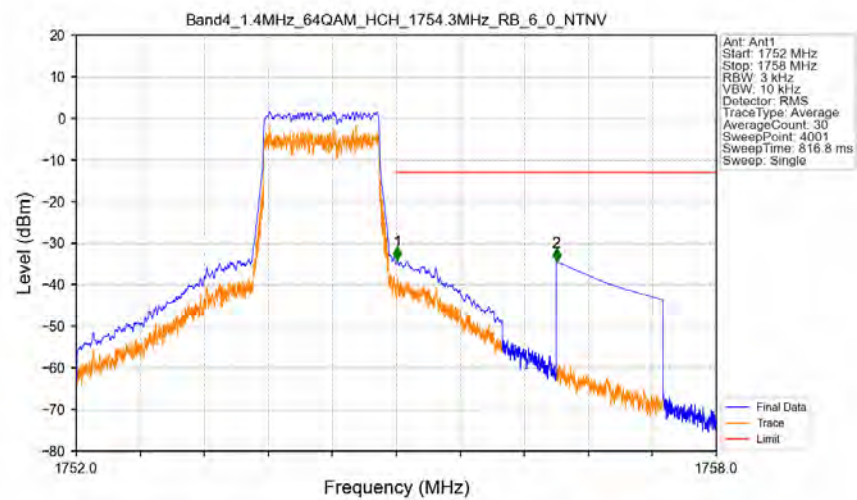


Band4_1.4MHz_64QAM_HCH_1754.3MHz_RB_1_5_NTNV



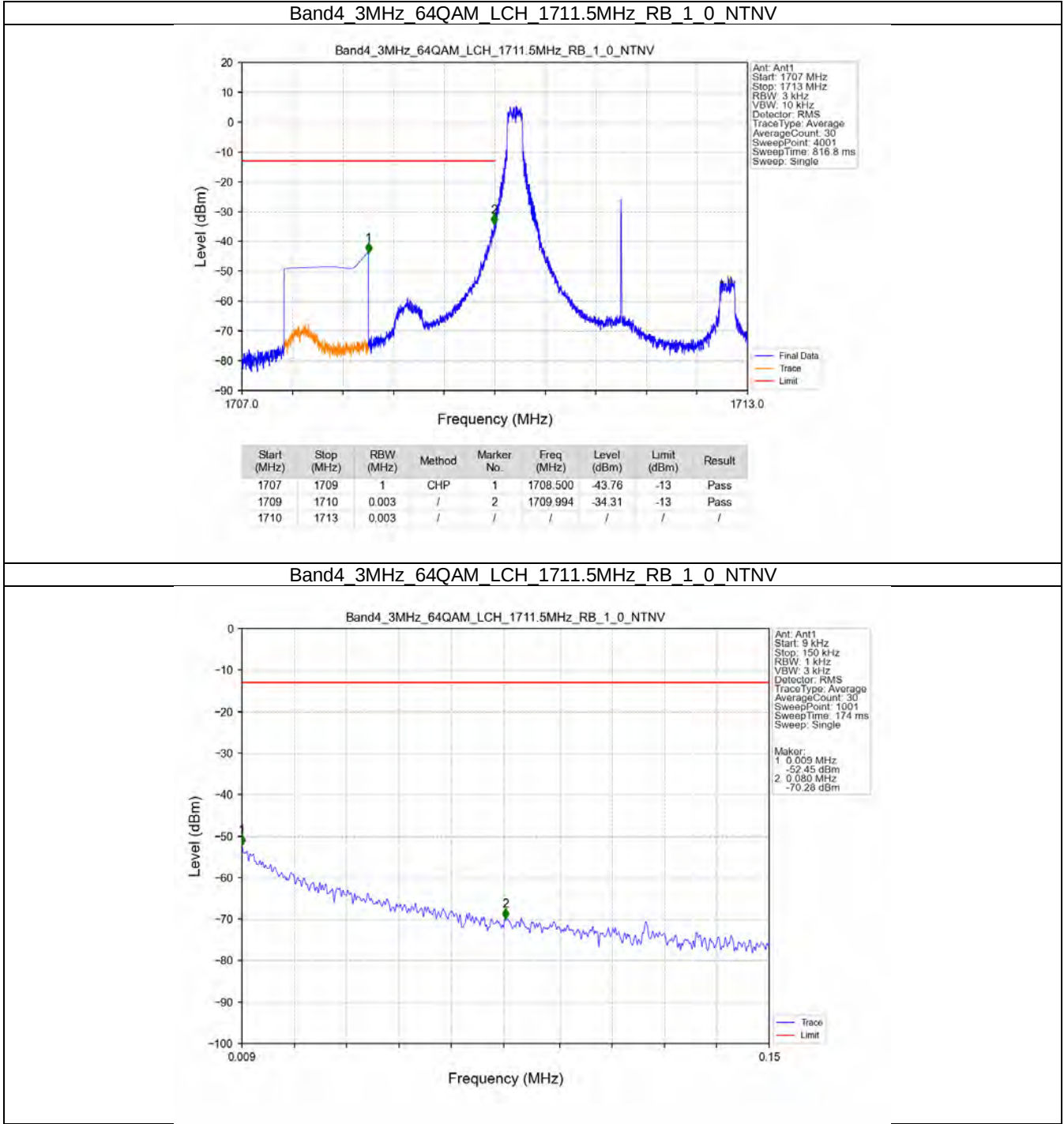
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-38.11	-13	Pass
1756	1758	1	CHP	2	1756.500	-44.97	-13	Pass

Band4 1.4MHz 64QAM HCH 1754.3MHz RB 6.0 NTNV

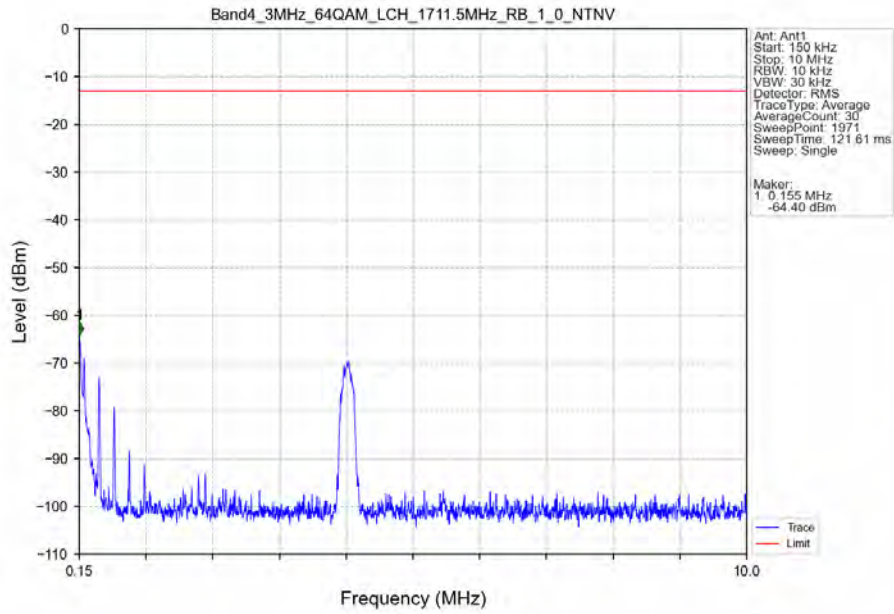


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.011	-34.05	-13	Pass
1756	1758	1	CHP	2	1756.500	-34.44	-13	Pass

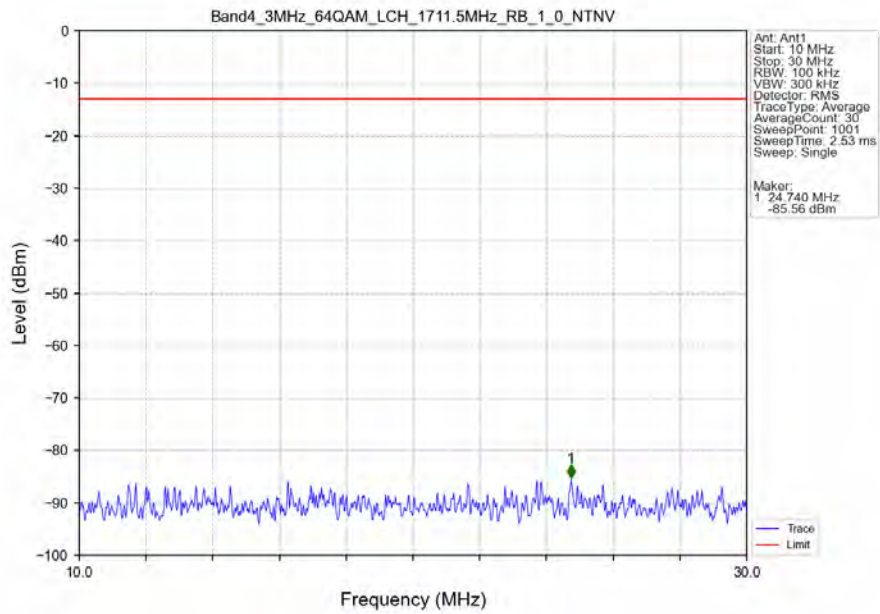
5.2.2 B4_3MHz



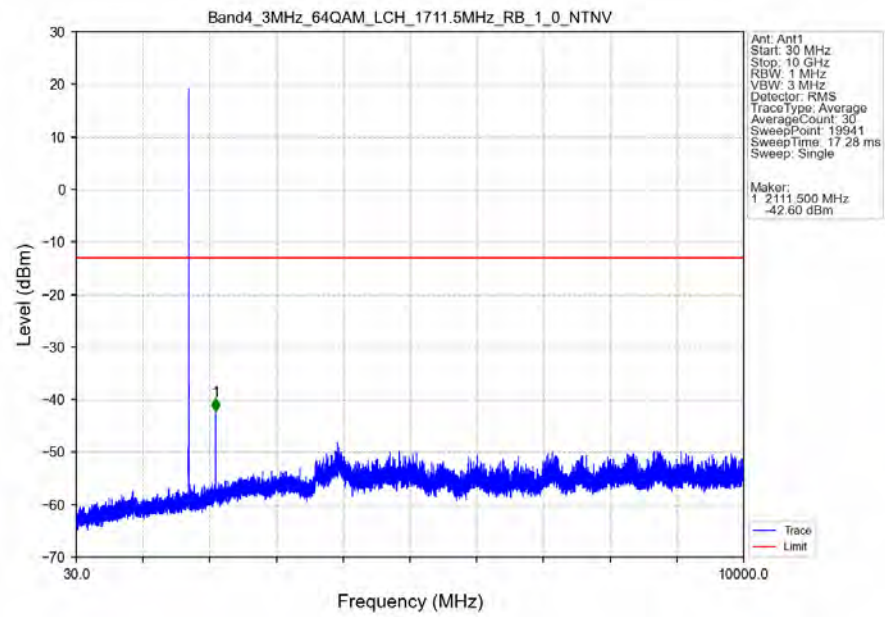
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



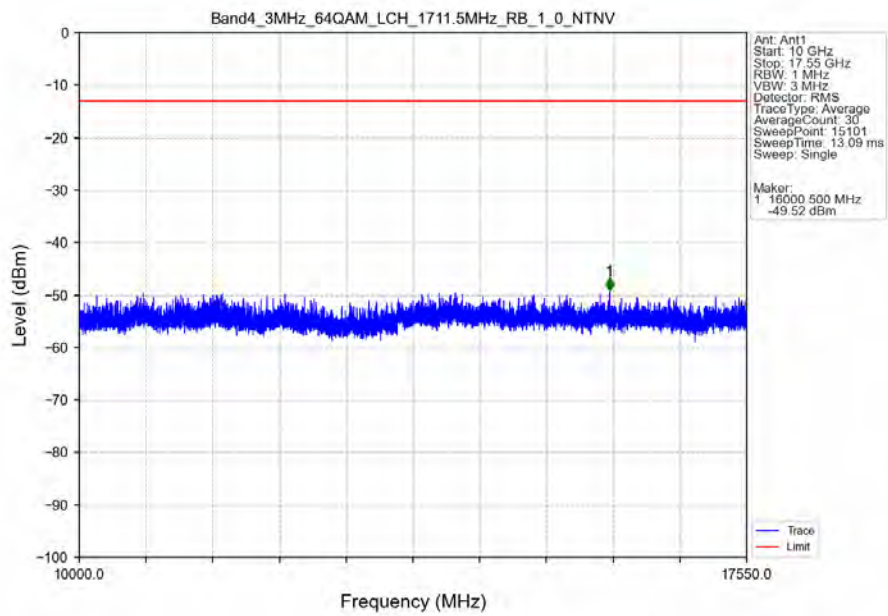
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



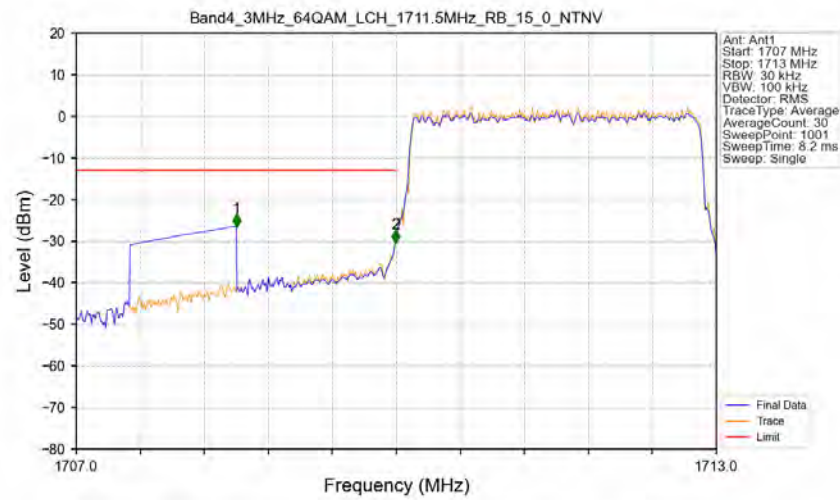
Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV

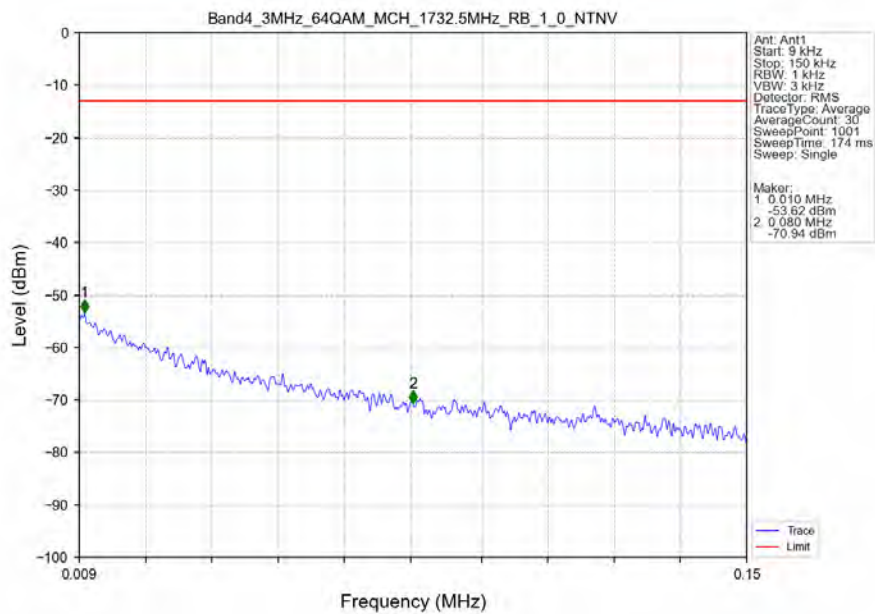


Band4_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV

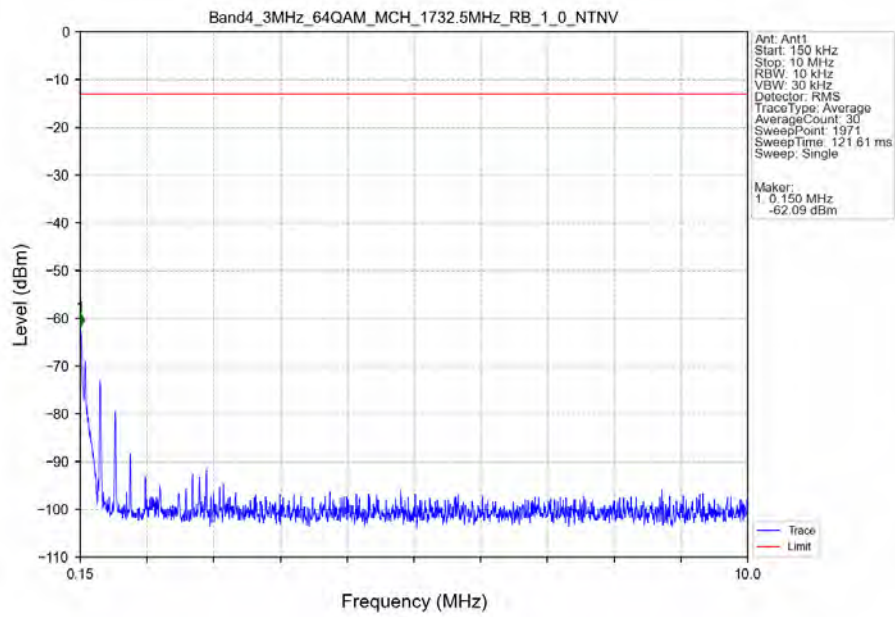


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-26.50	-13	Pass
1709	1710	0.031	CHP	2	1709.994	-30.41	-13	Pass
1710	1713	0.031	CHP	/	/	/	/	/

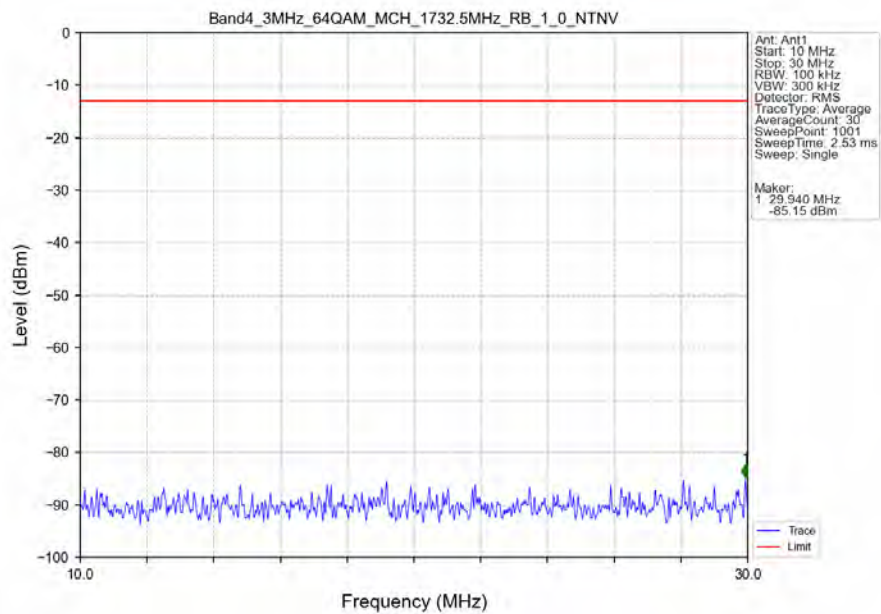
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



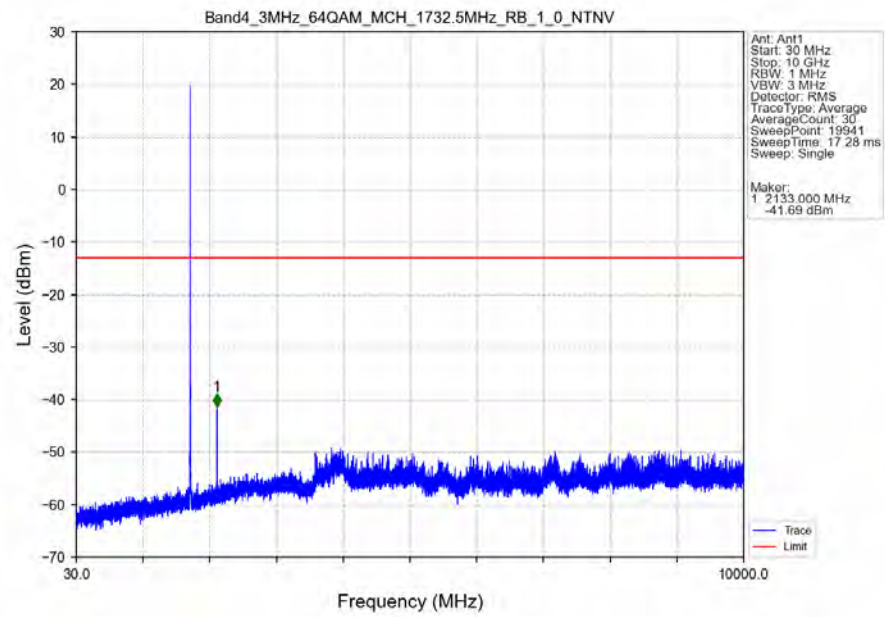
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



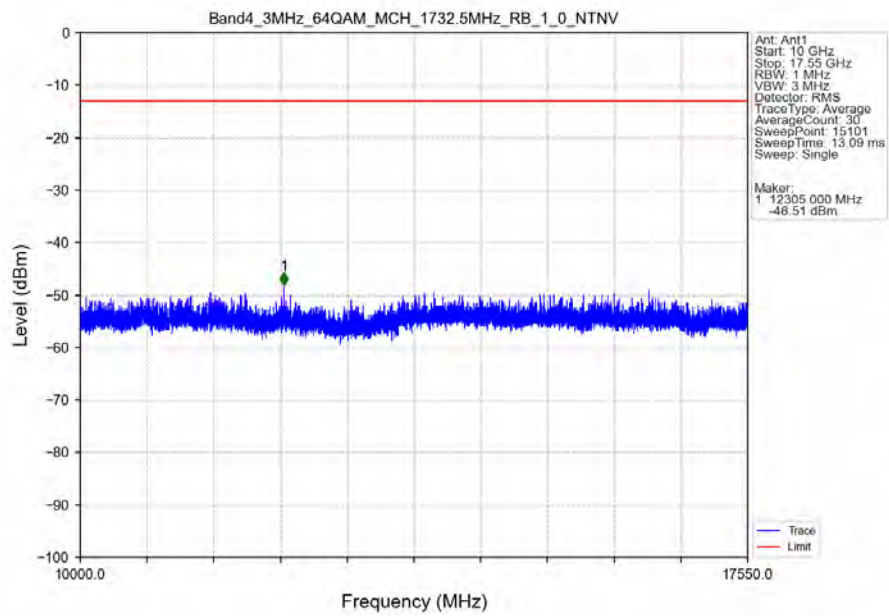
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



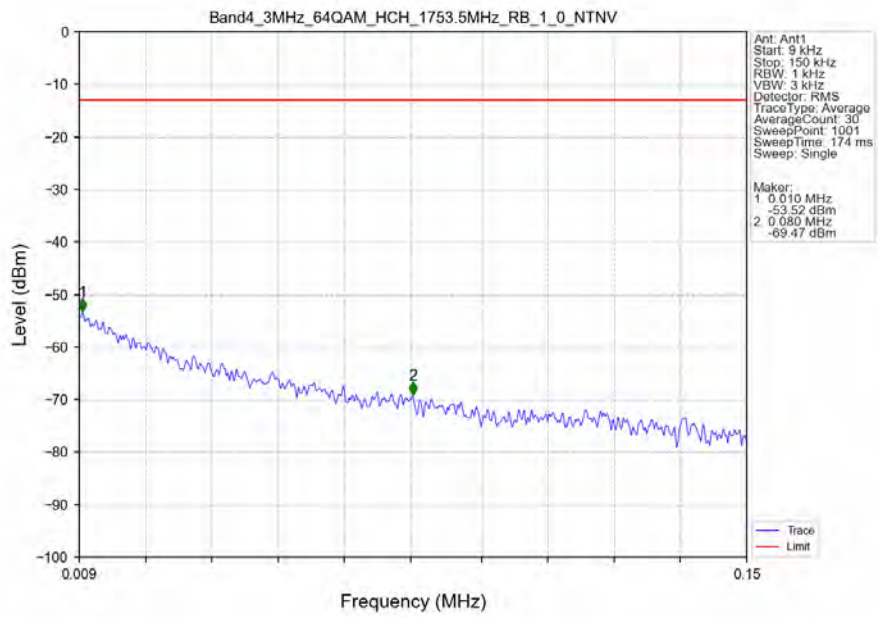
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



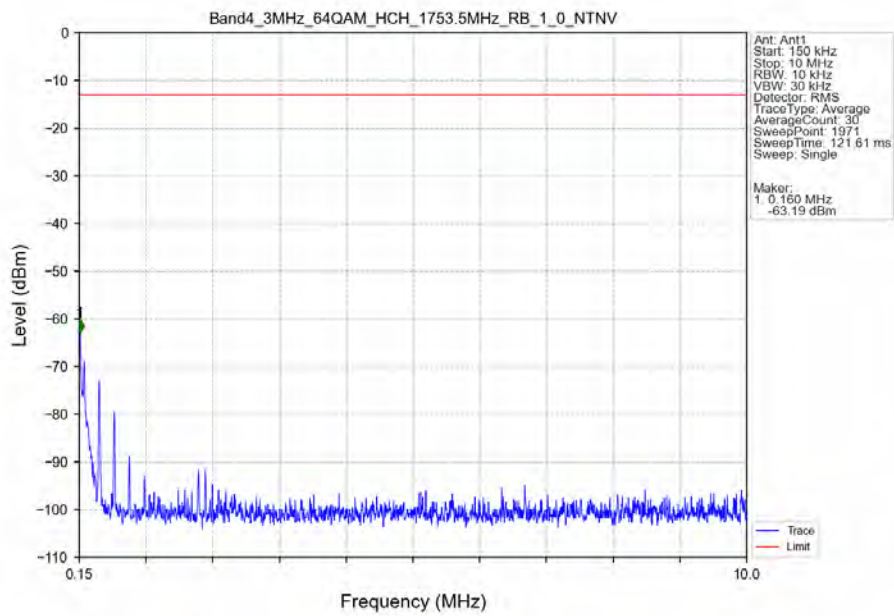
Band4_3MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



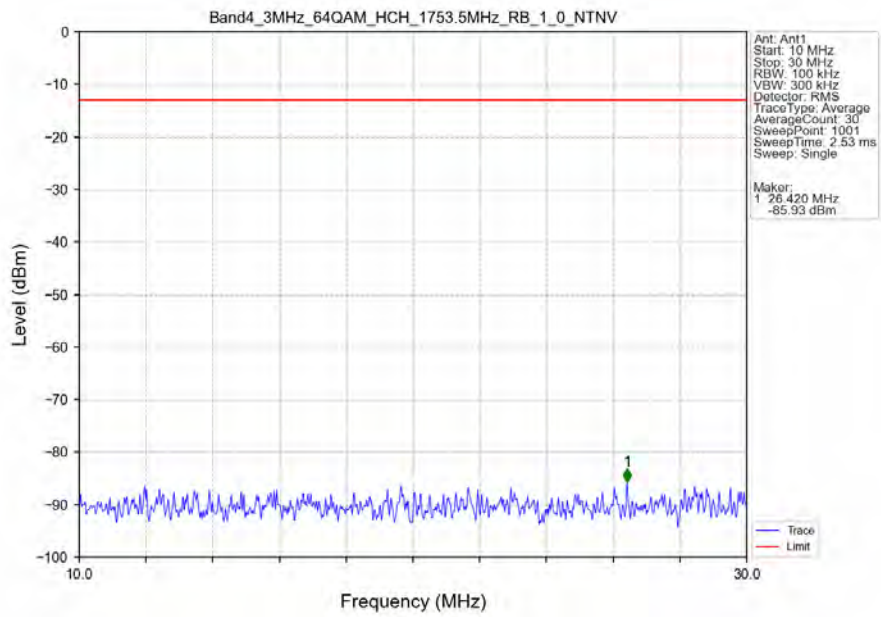
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_0_NTNV



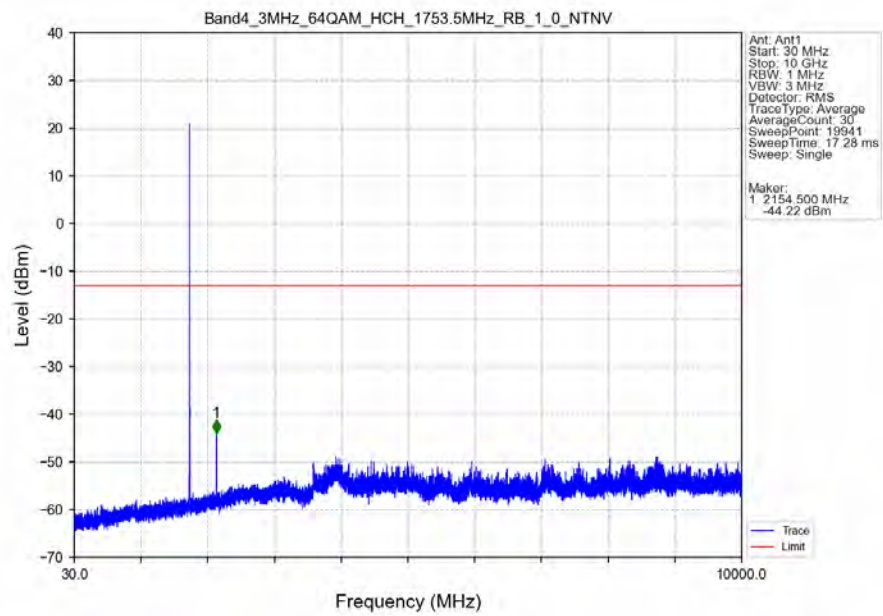
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_0_NTNV



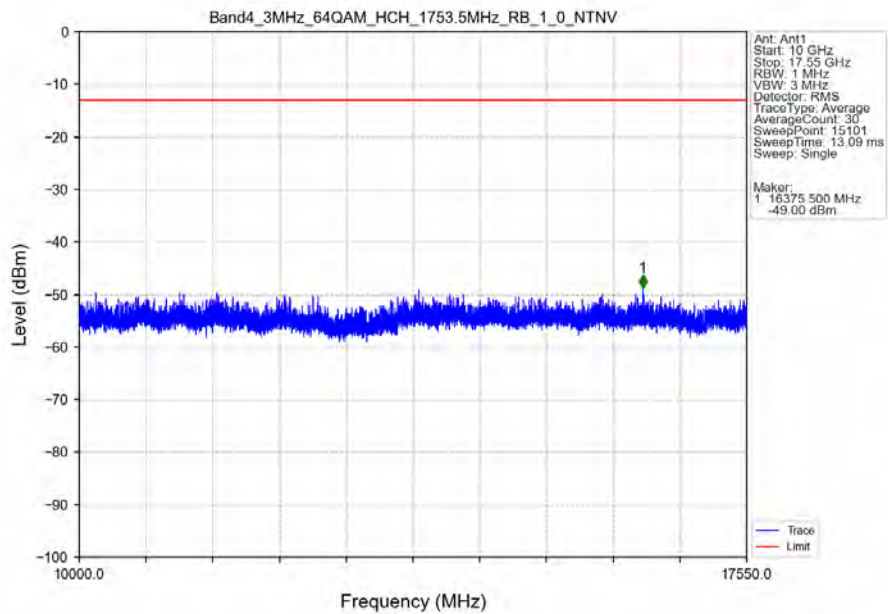
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_0_NTNV



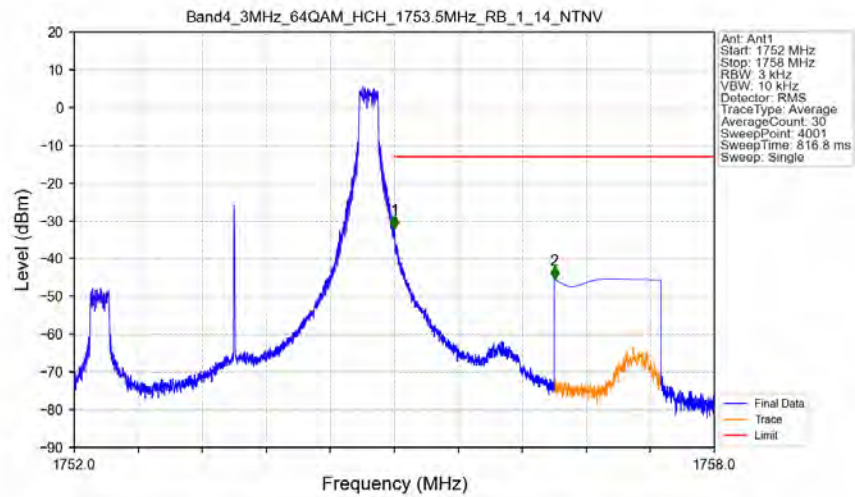
Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_0_NTNV

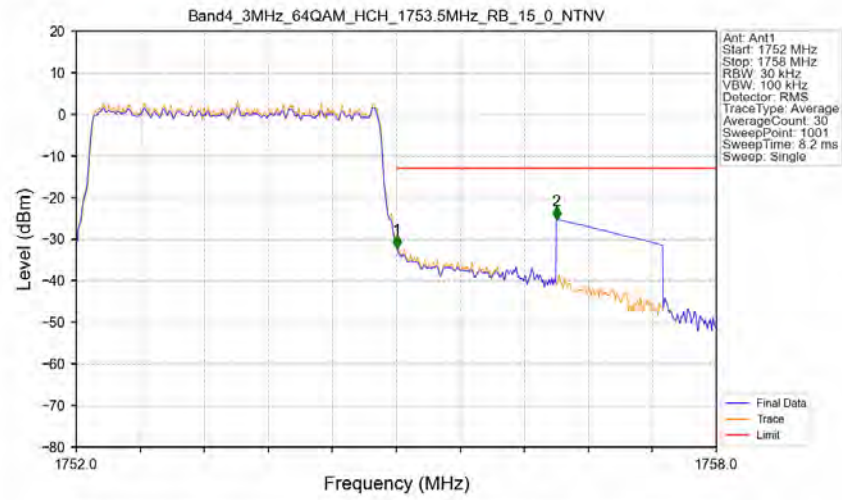


Band4_3MHz_64QAM_HCH_1753.5MHz_RB_1_14_NTNV



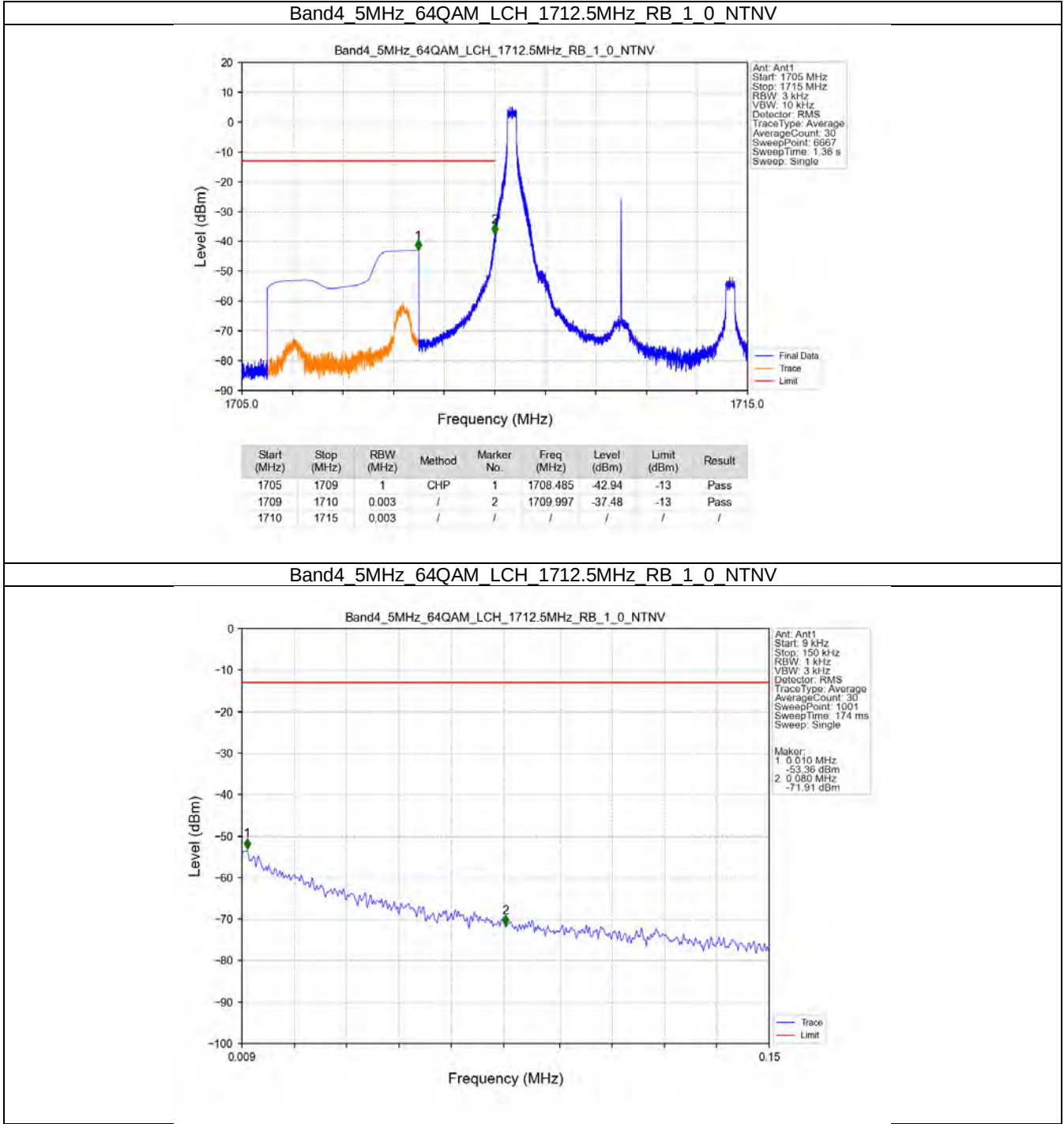
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-31.95	-13	Pass
1756	1758	1	CHP	2	1756.500	-45.40	-13	Pass

Band4 3MHz 64QAM HCH 1753.5MHz RB 15 0 NTV

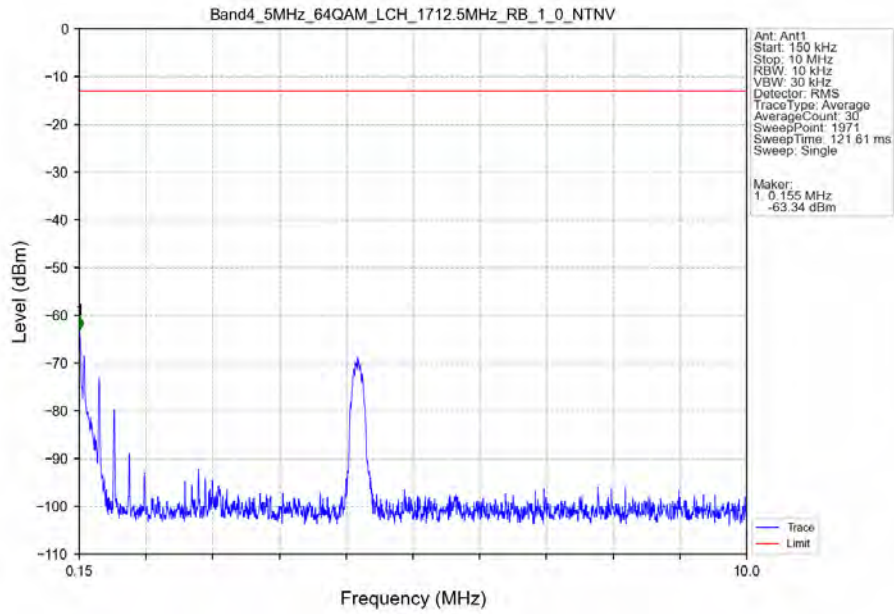


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.031	CHP	/	/	/	/	/
1755	1756	0.031	CHP	1	1755.006	-32.22	-13	Pass
1756	1758	1	CHP	2	1756.500	-25.32	-13	Pass

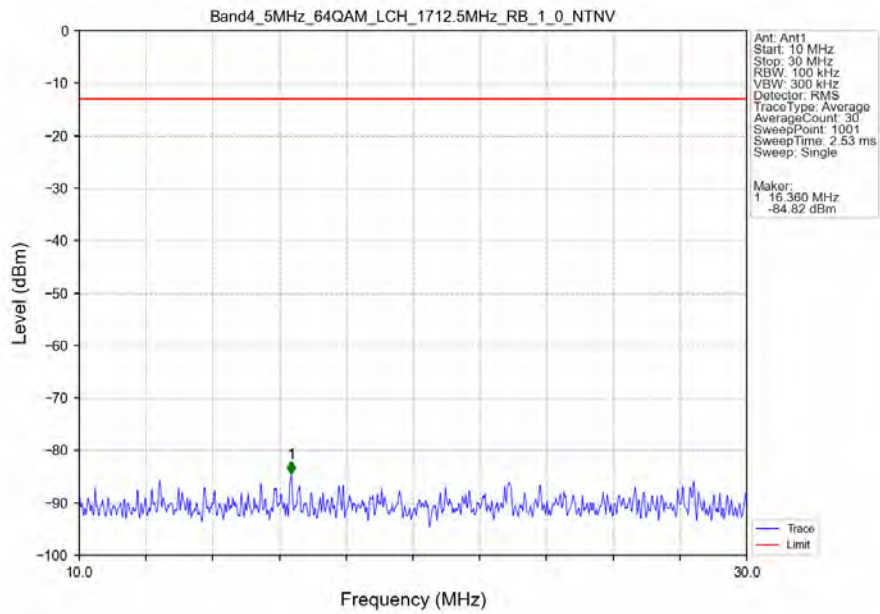
5.2.3 B4_5MHz



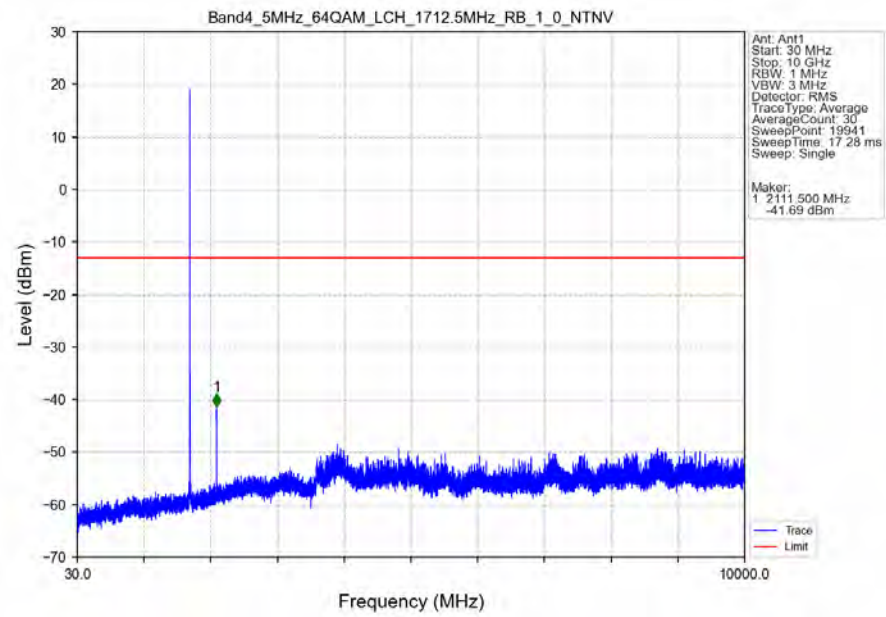
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



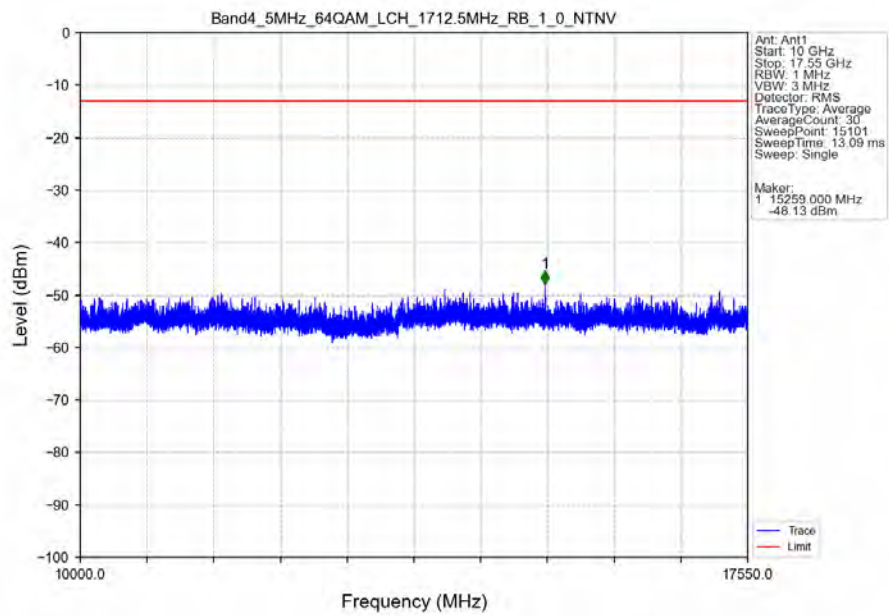
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



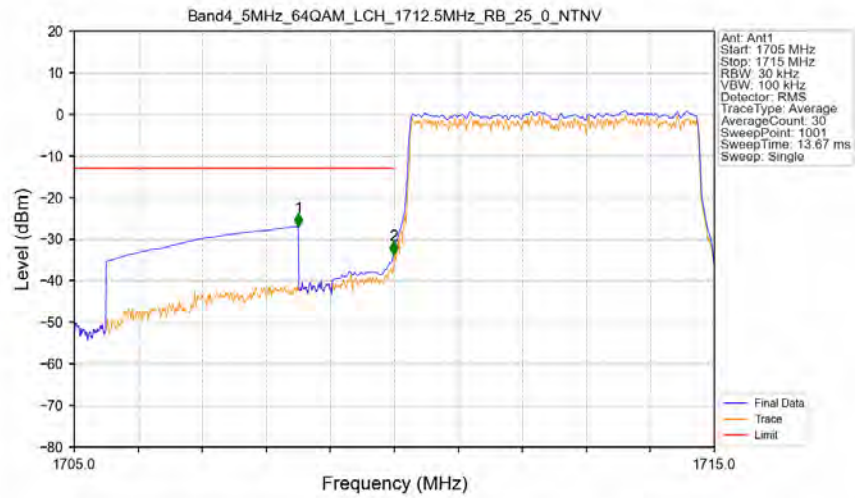
Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV

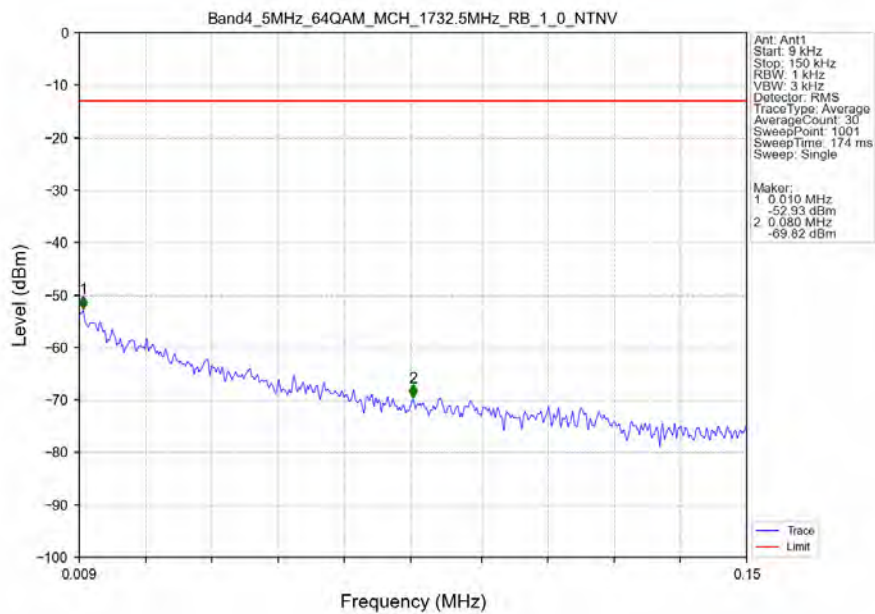


Band4_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV

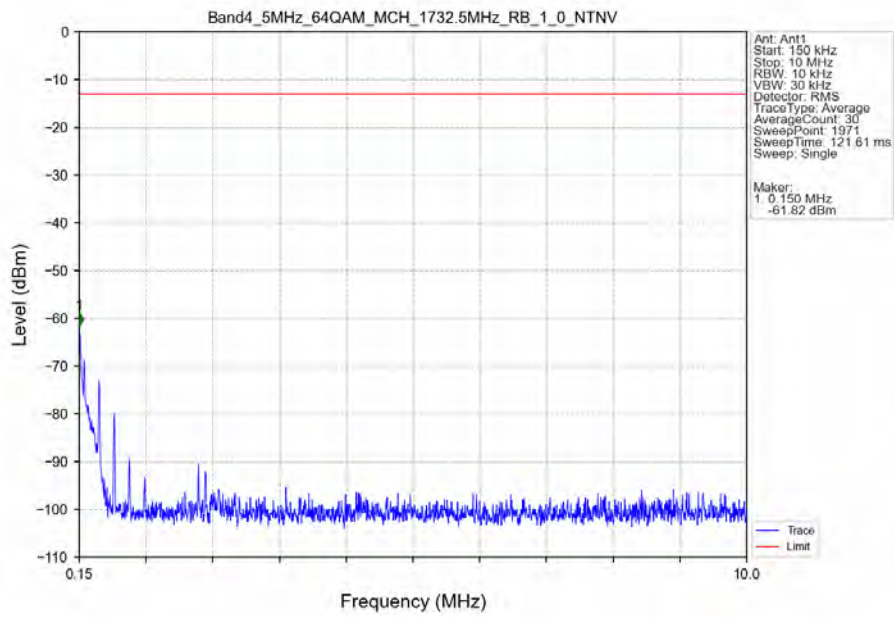


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-27.00	-13	Pass
1709	1710	0.051	CHP	2	1709.990	-33.67	-13	Pass
1710	1715	0.051	CHP	/	/	/	/	/

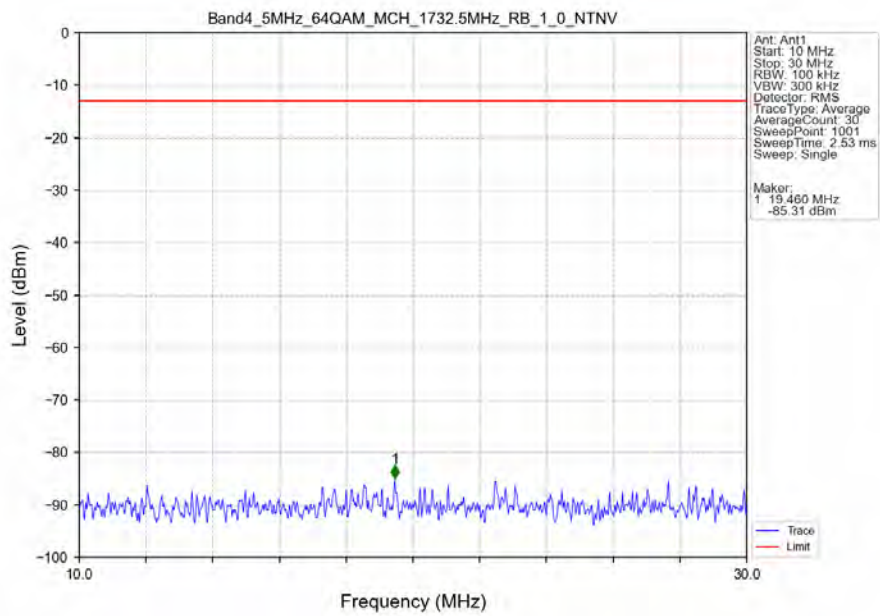
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



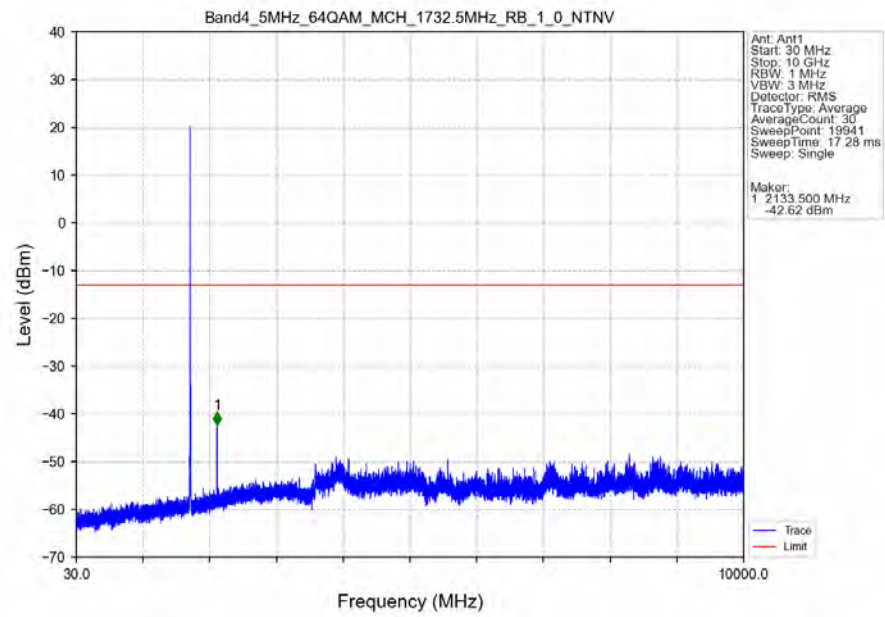
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



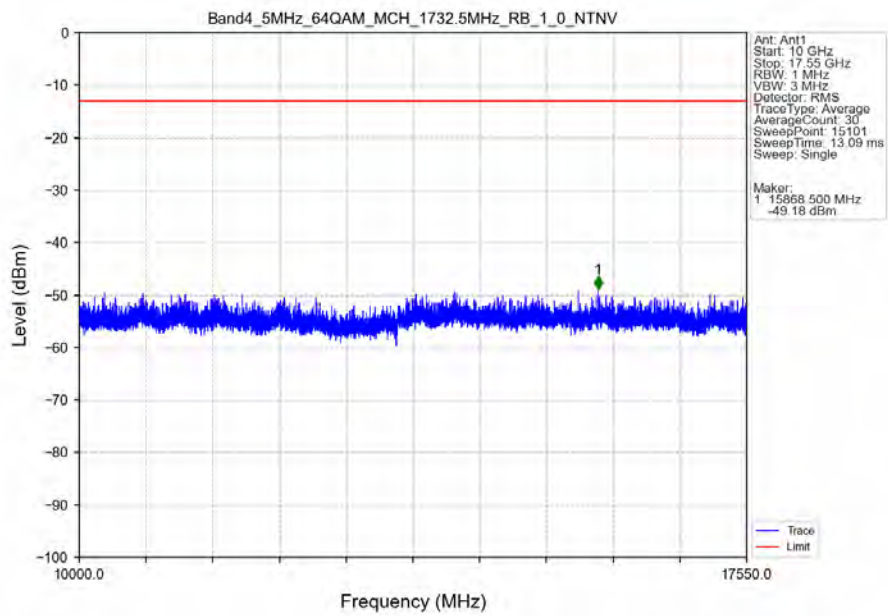
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



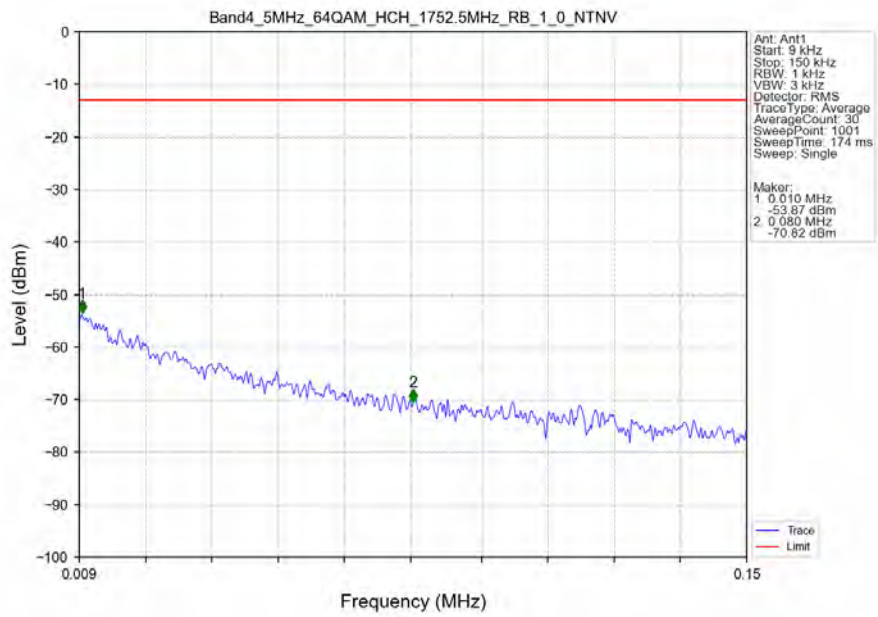
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



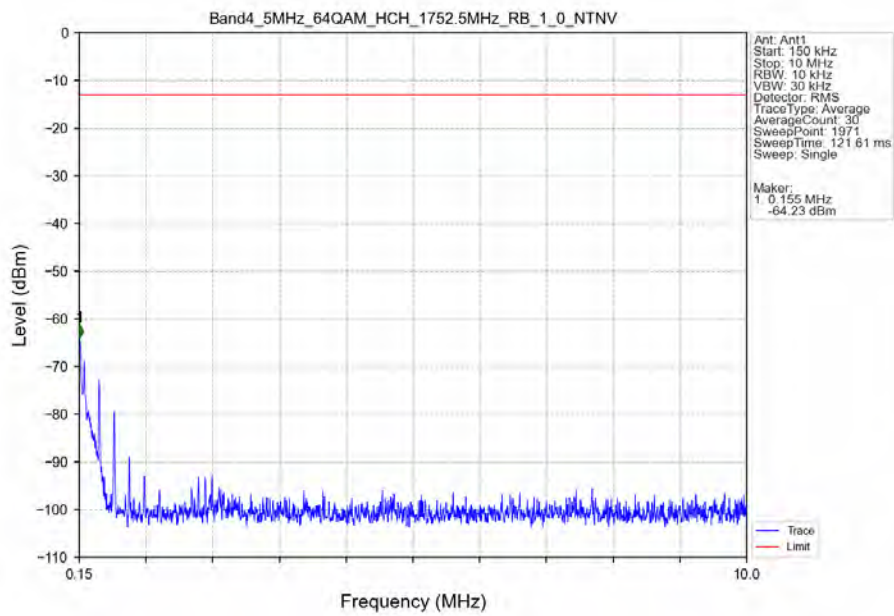
Band4_5MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



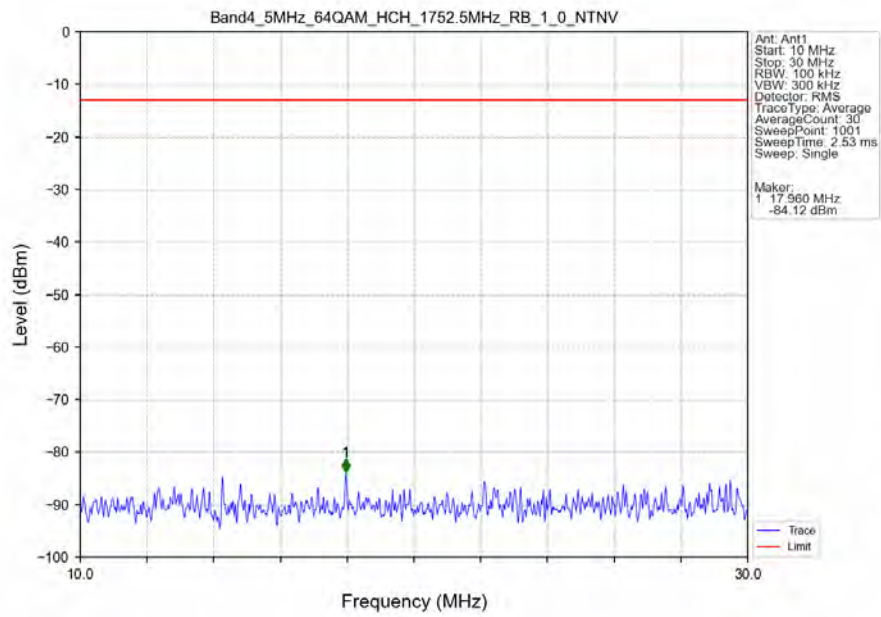
Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_0_NTNV



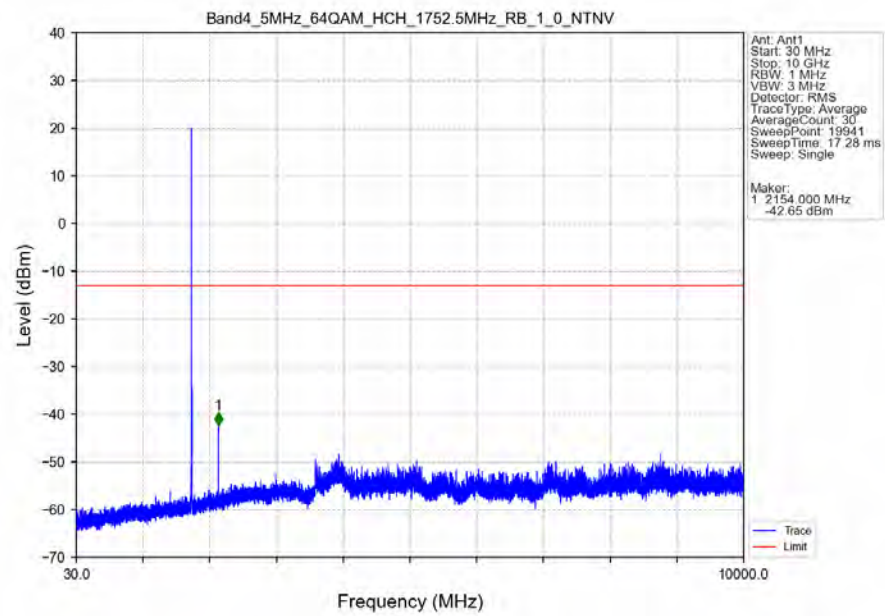
Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_0_NTNV



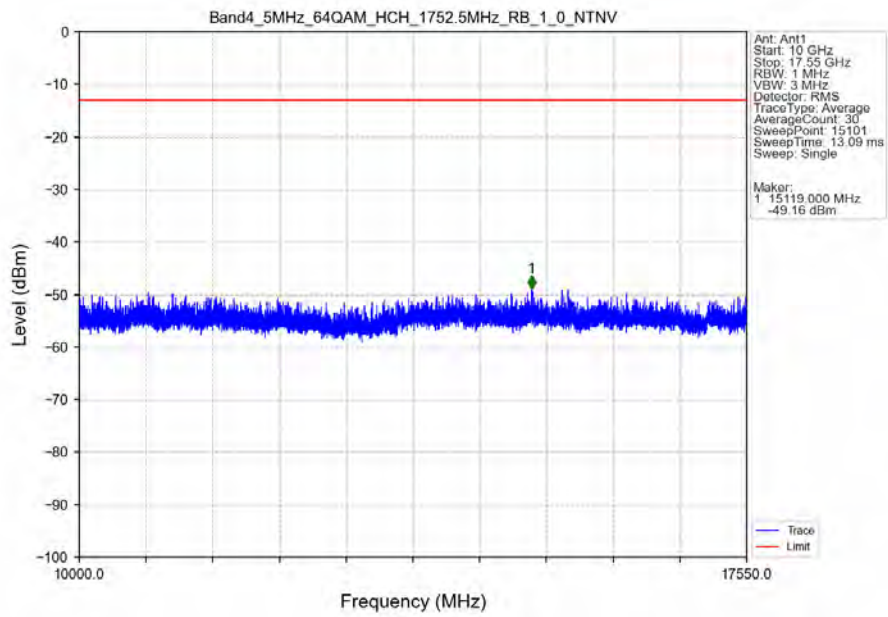
Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_0_NTNV



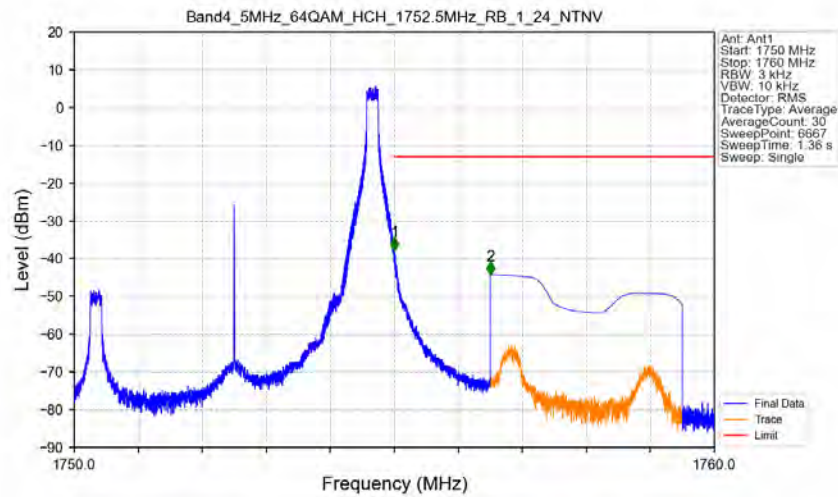
Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_0_NTNV

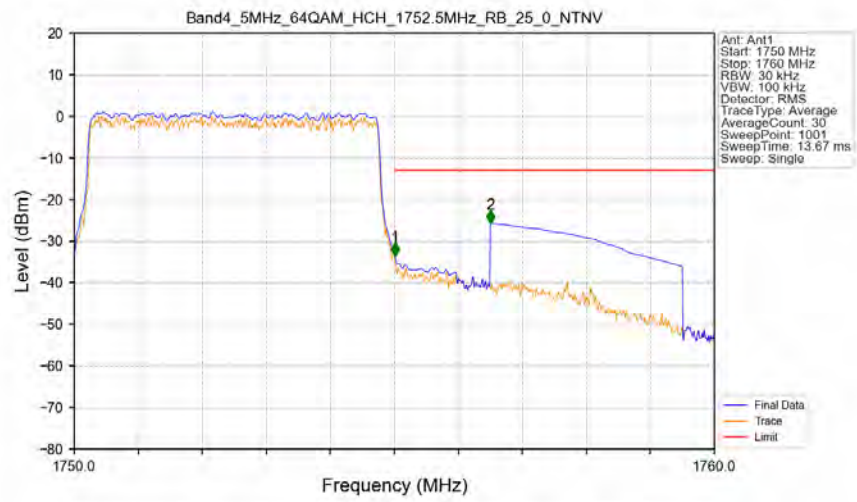


Band4_5MHz_64QAM_HCH_1752.5MHz_RB_1_24_NTNV



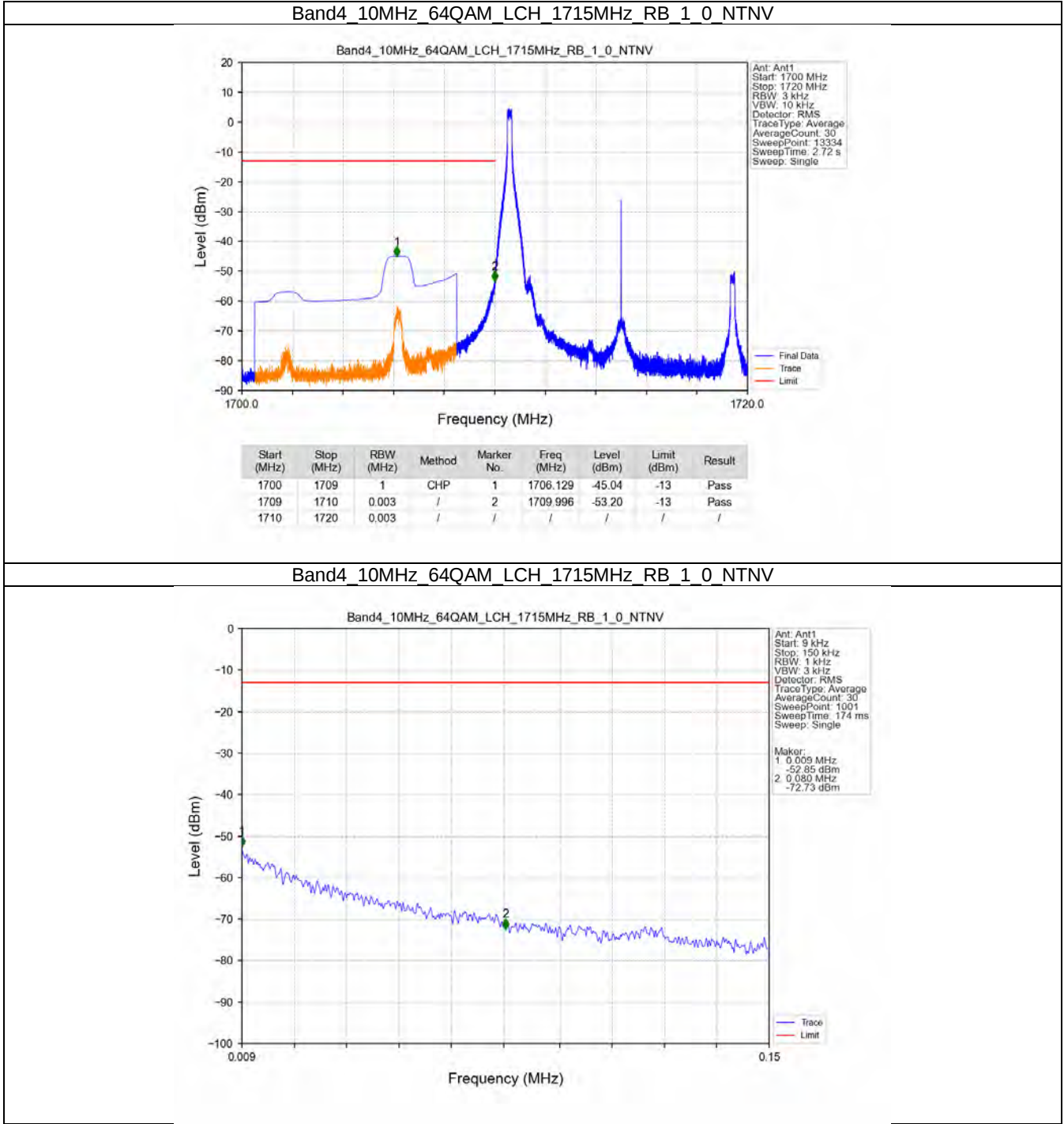
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-37.84	-13	Pass
1756	1760	1	CHP	2	1756.500	-44.21	-13	Pass

Band4 5MHz 64QAM HCH 1752.5MHz RB 25 0 NTV

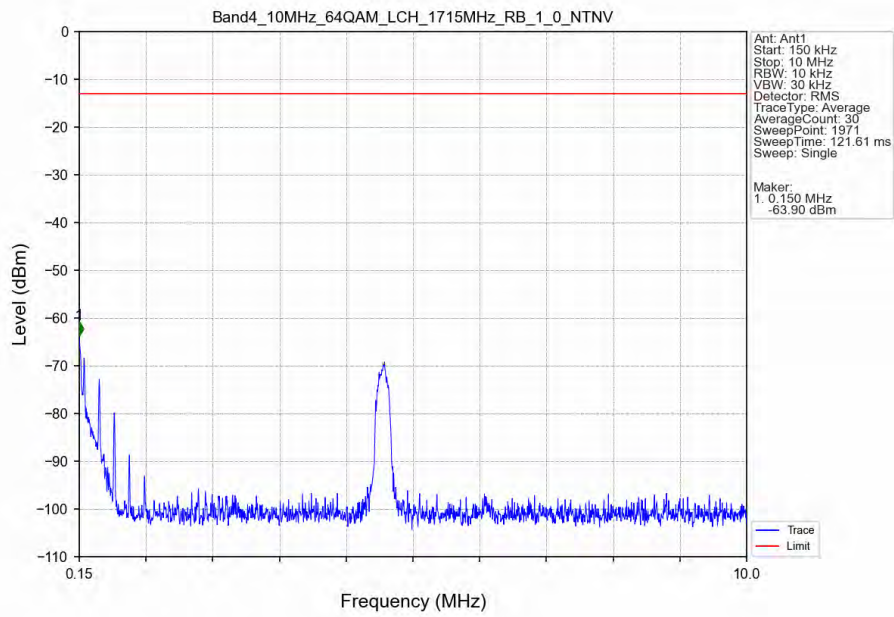


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.05	CHP	1	1755.010	-33.55	-13	Pass
1755	1760	1	CHP	2	1756.500	-25.74	-13	Pass

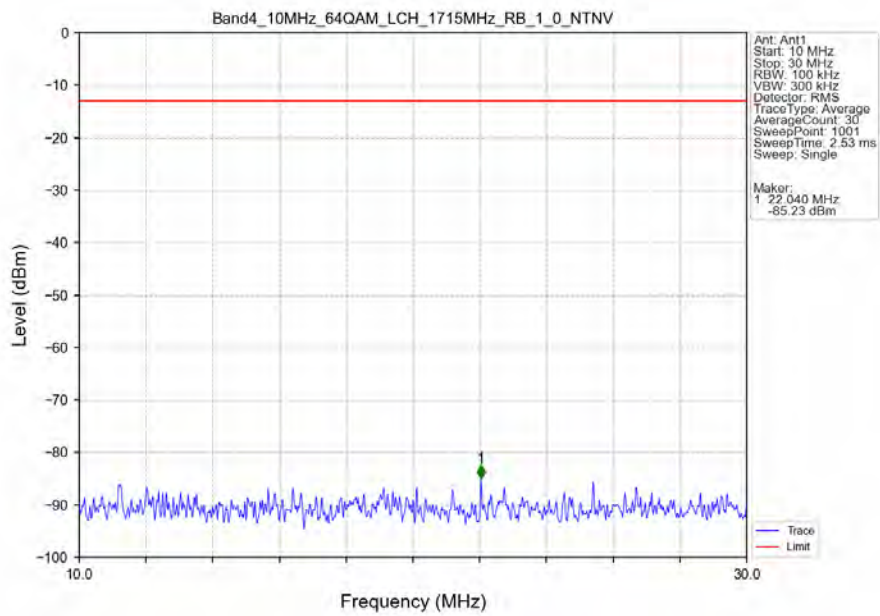
5.2.4 B4_10MHz



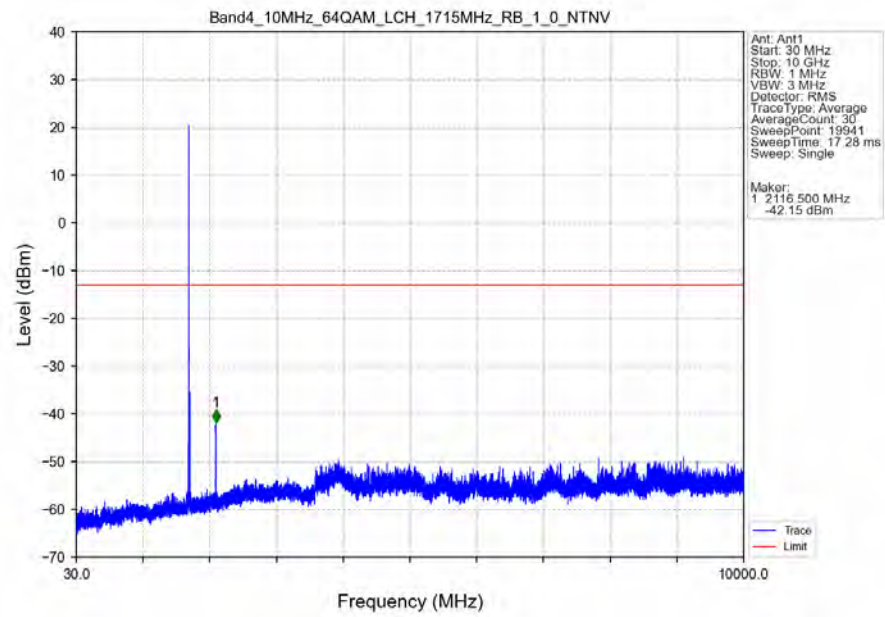
Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



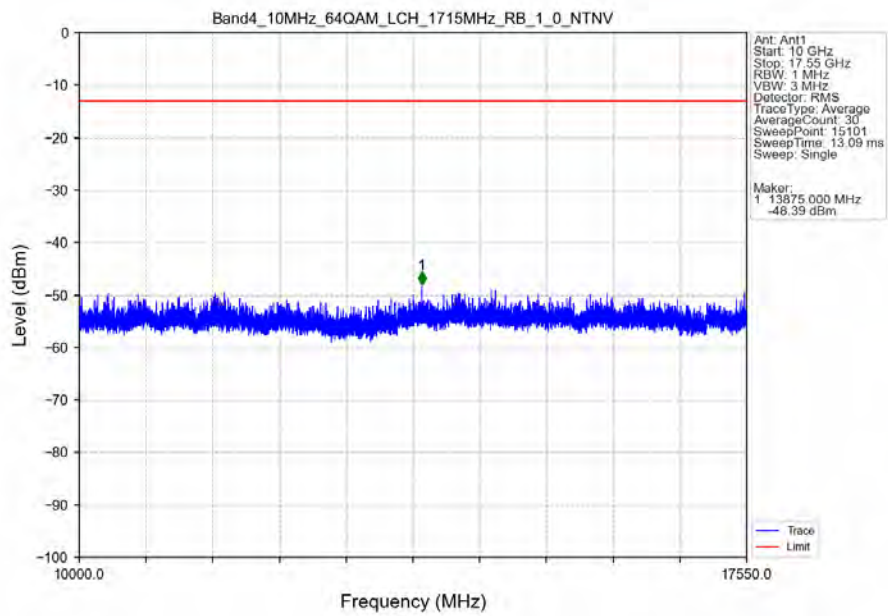
Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



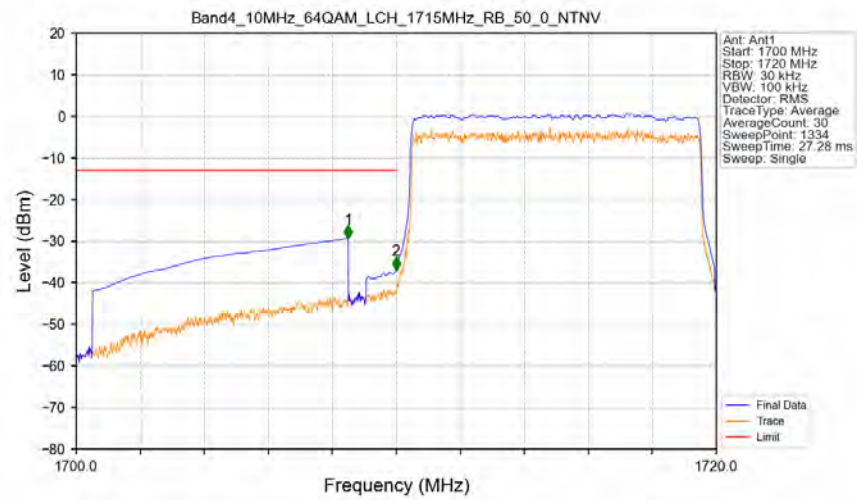
Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV

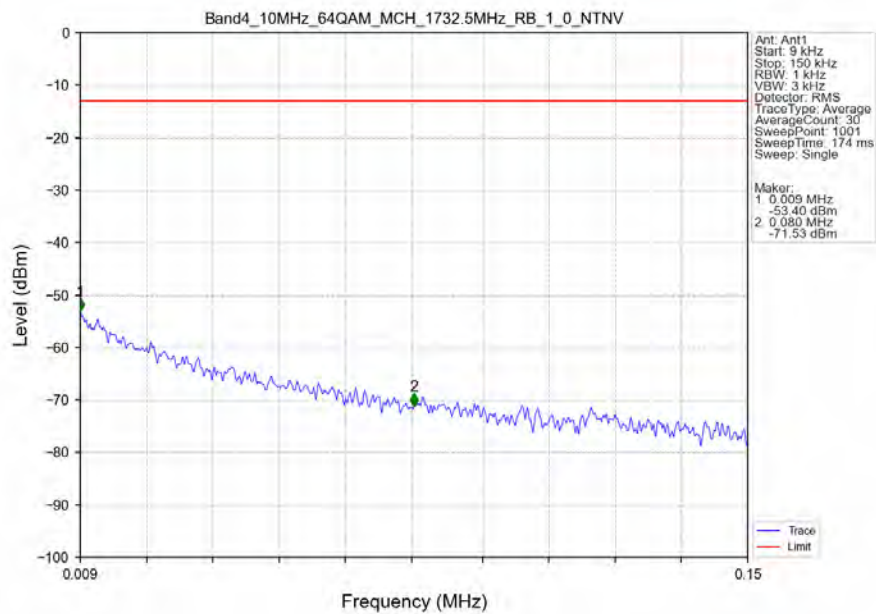


Band4_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV

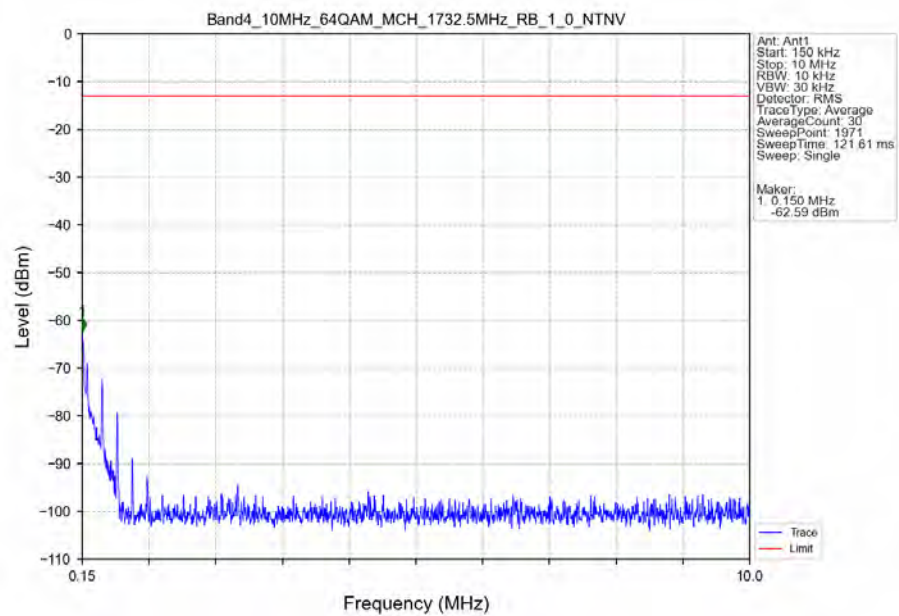


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.492	-29.33	-13	Pass
1709	1710	0.099	CHP	2	1709.992	-36.87	-13	Pass
1710	1720	0.099	CHP	/	/	/	/	/

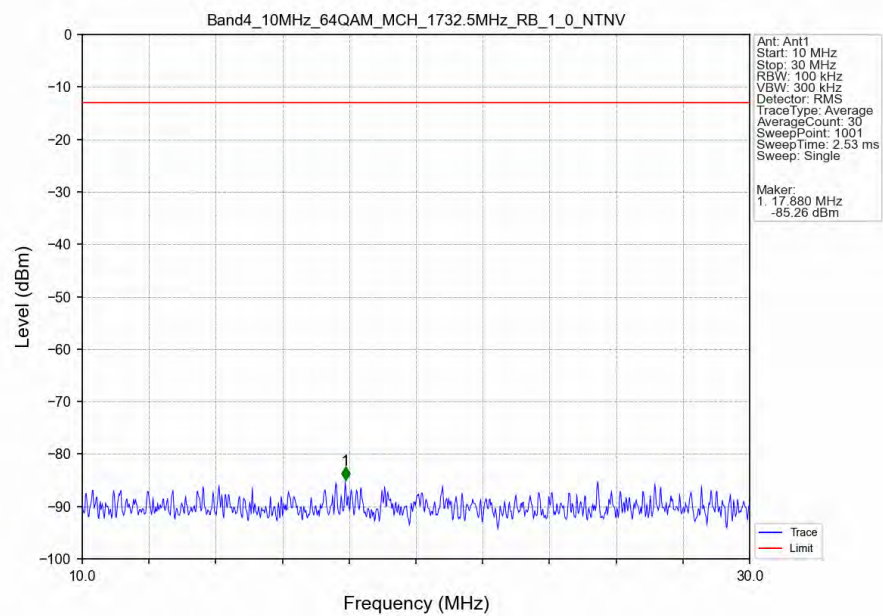
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



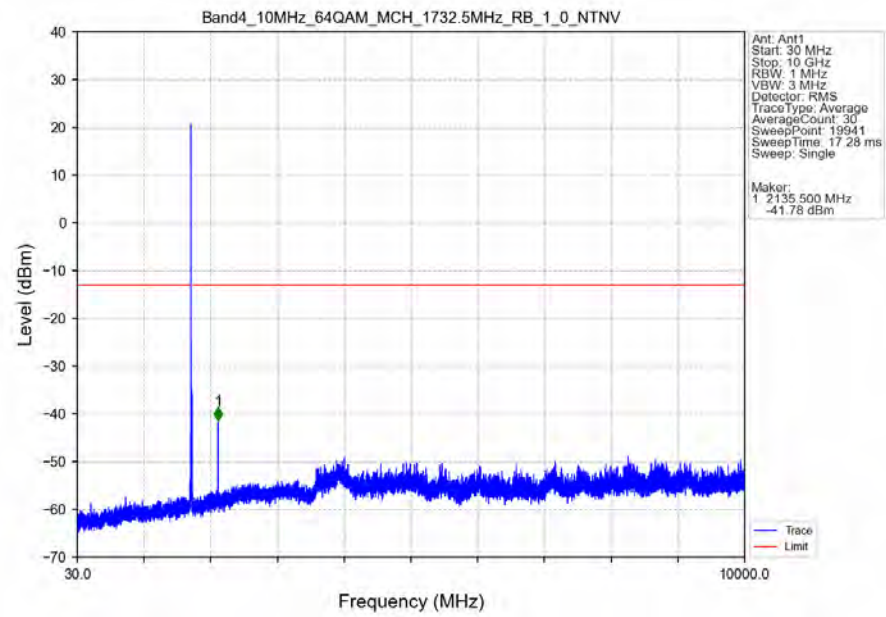
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



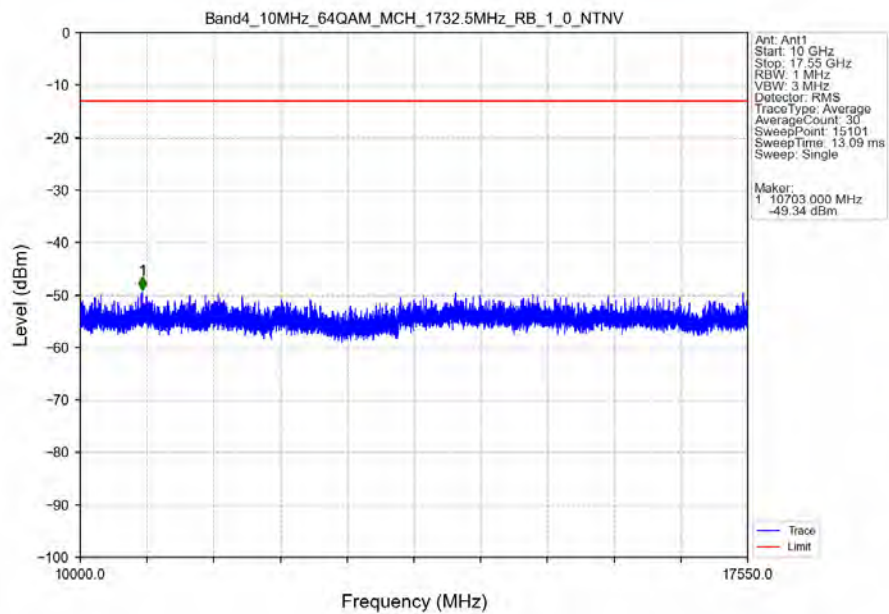
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



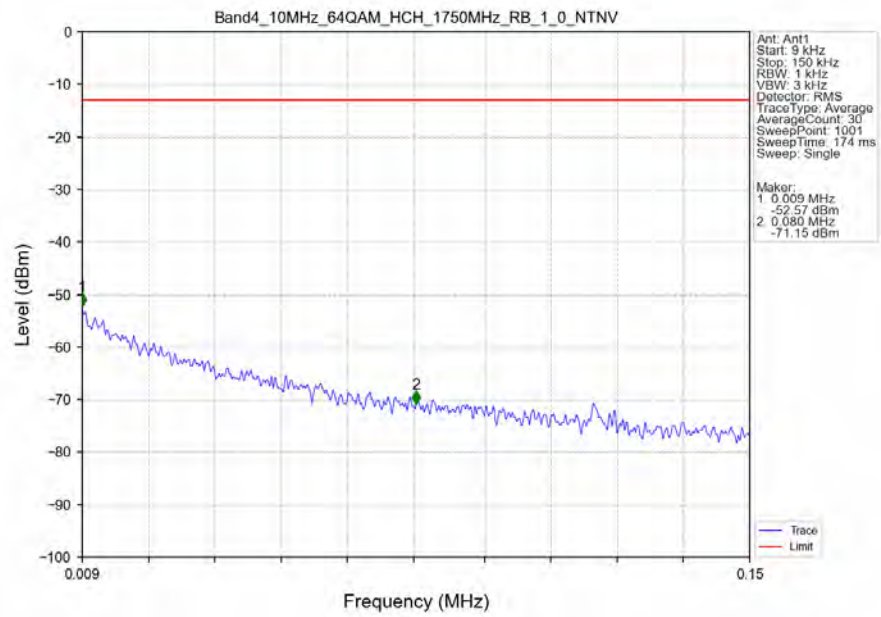
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



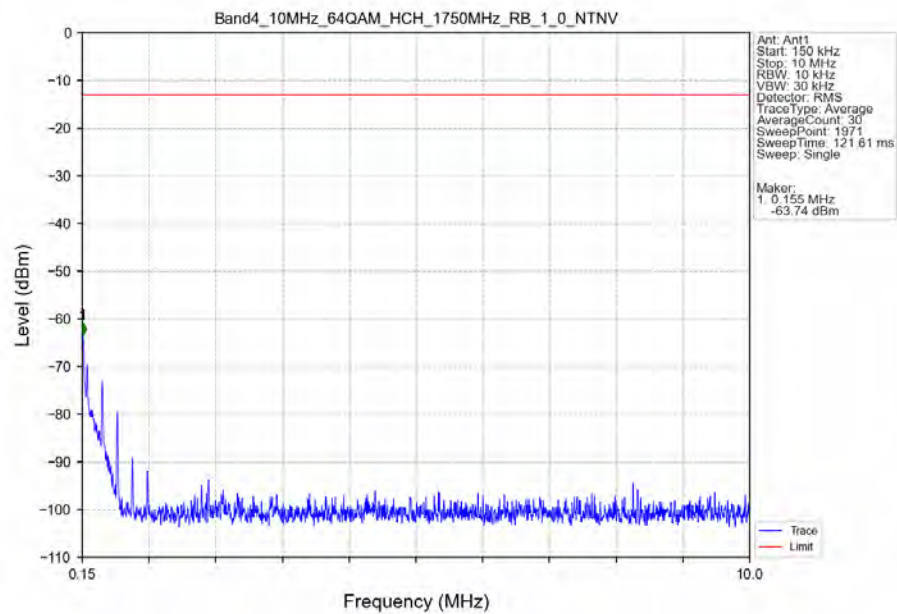
Band4_10MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



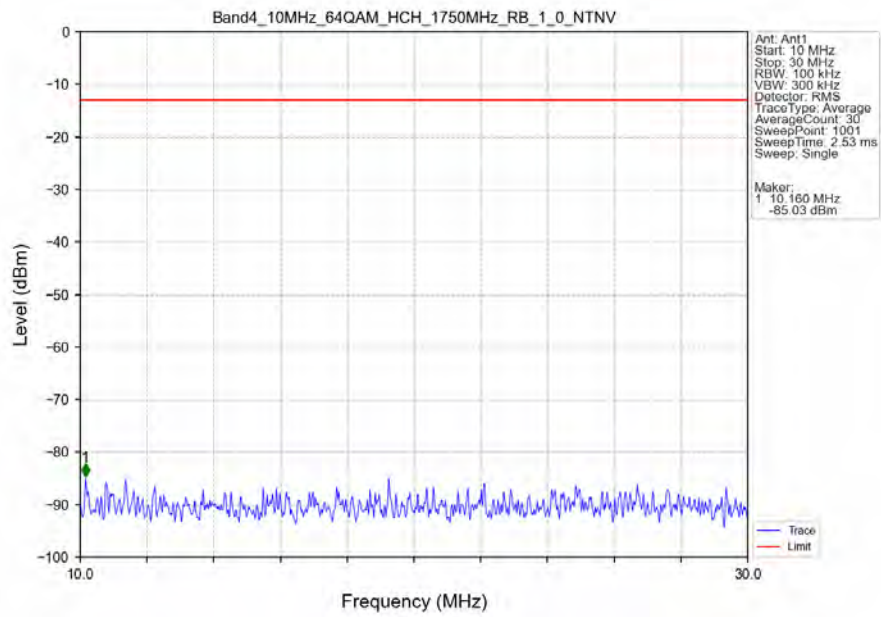
Band4_10MHz_64QAM_HCH_1750MHz_RB_1_0_NTNV



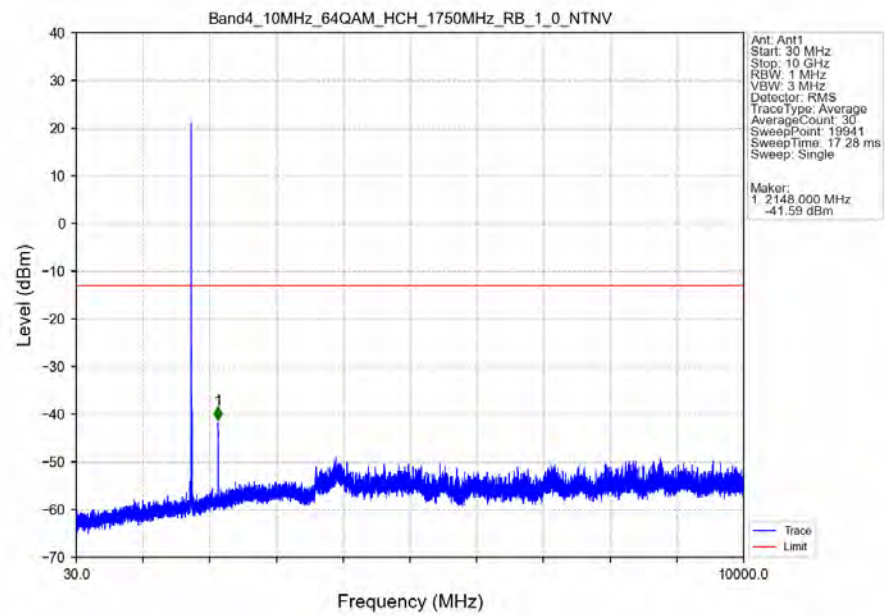
Band4_10MHz_64QAM_HCH_1750MHz_RB_1_0_NTNV



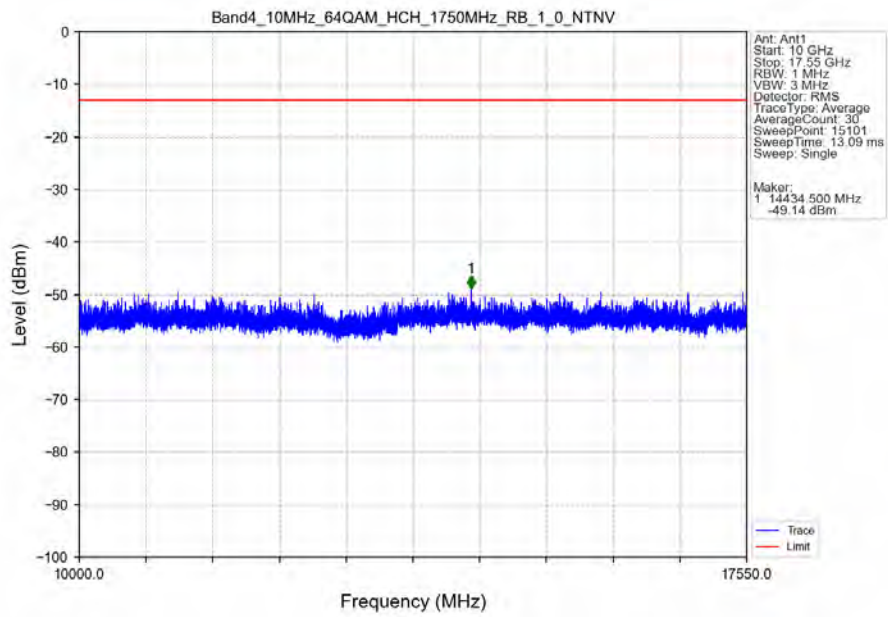
Band4_10MHz_64QAM_HCH_1750MHz_RB_1_0_NTNV



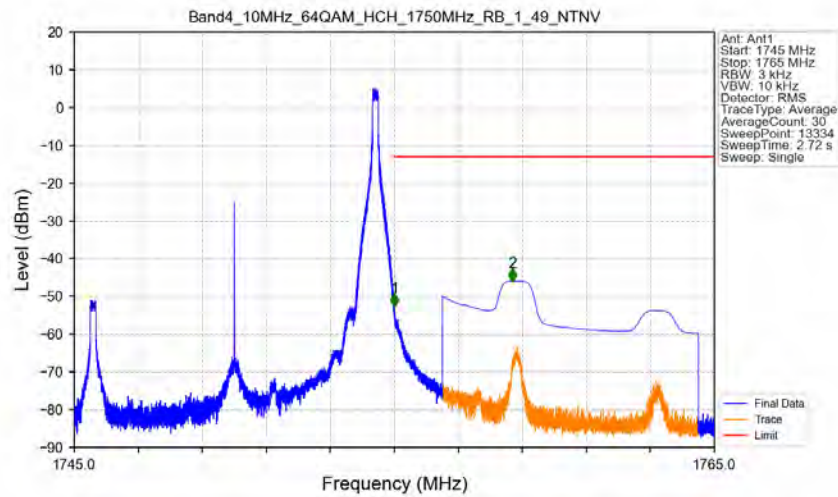
Band4_10MHz_64QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_64QAM_HCH_1750MHz_RB_1_0_NTNV

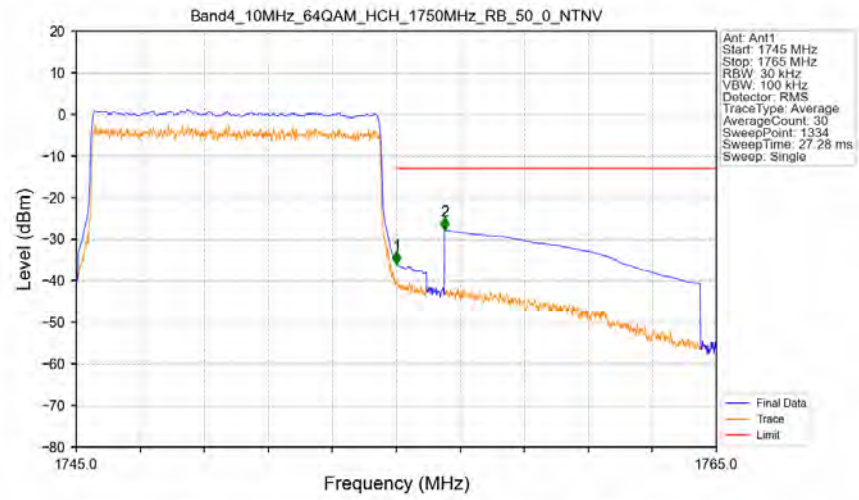


Band4_10MHz_64QAM_HCH_1750MHz_RB_1_49_NTNV



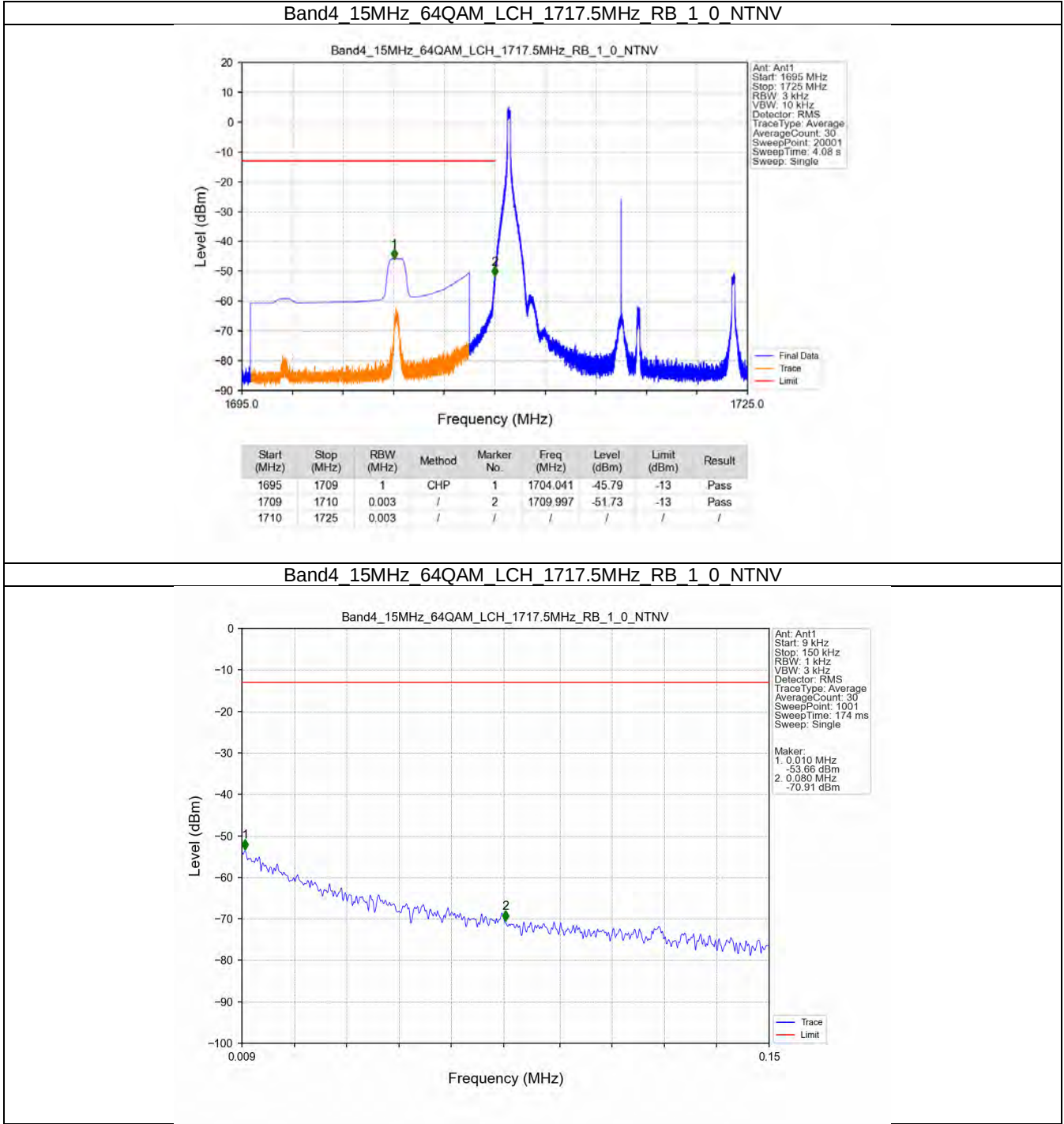
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-52.66	-13	Pass
1756	1765	1	CHP	2	1758.682	-45.99	-13	Pass

Band4_10MHz_64QAM_HCH_1750MHz_RB_50_0_NTNV

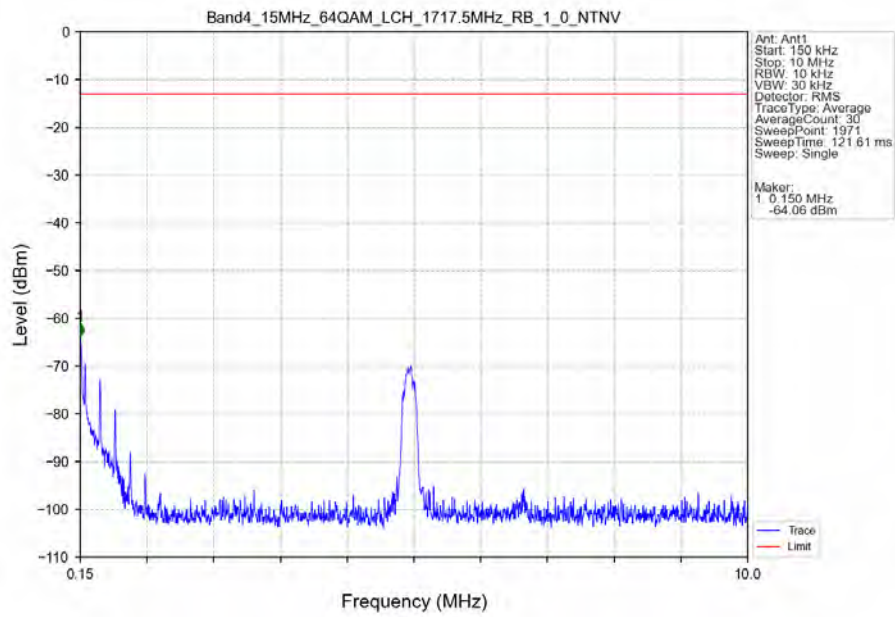


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.099	CHP	/	/	/	/	/
1755	1756	0.099	CHP	1	1755.008	-35.99	-13	Pass
1756	1765	1	CHP	2	1756.508	-27.87	-13	Pass

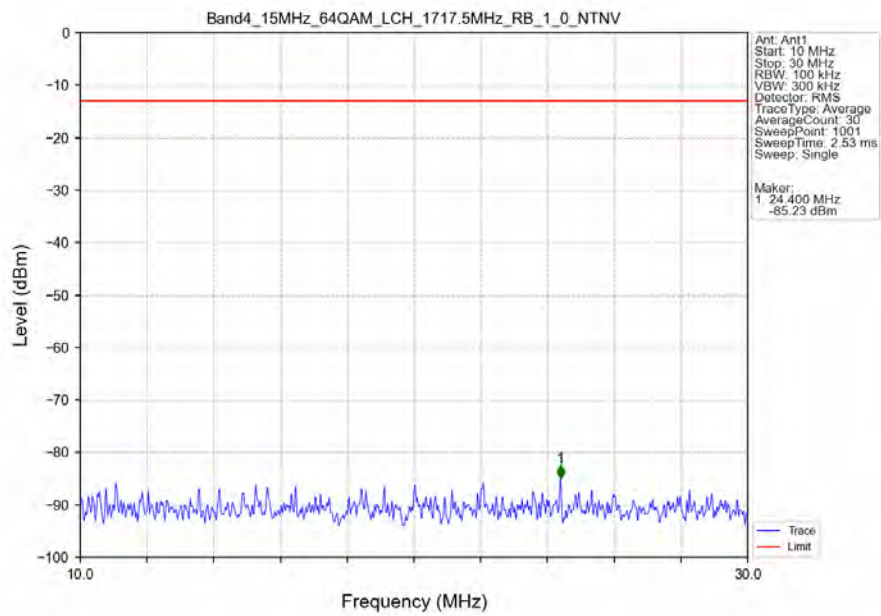
5.2.5 B4_15MHz



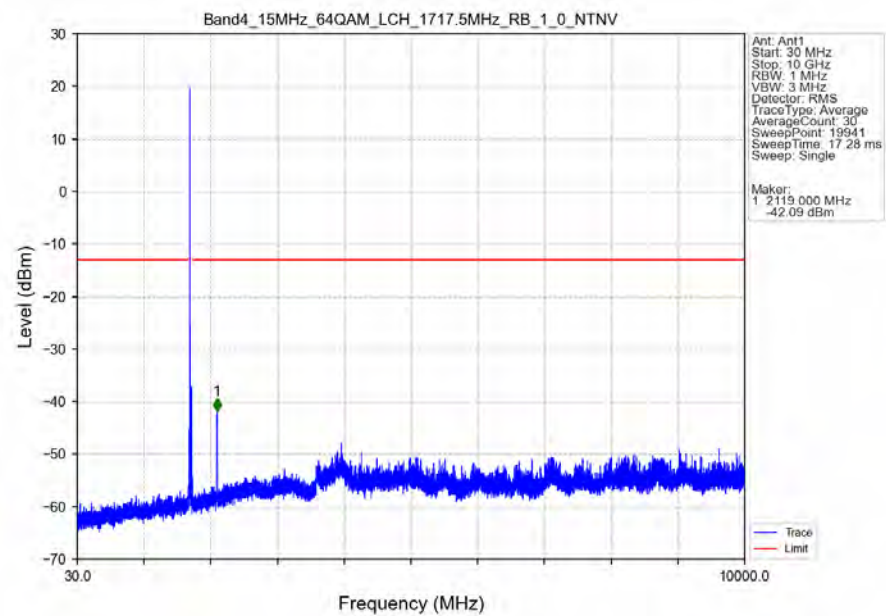
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



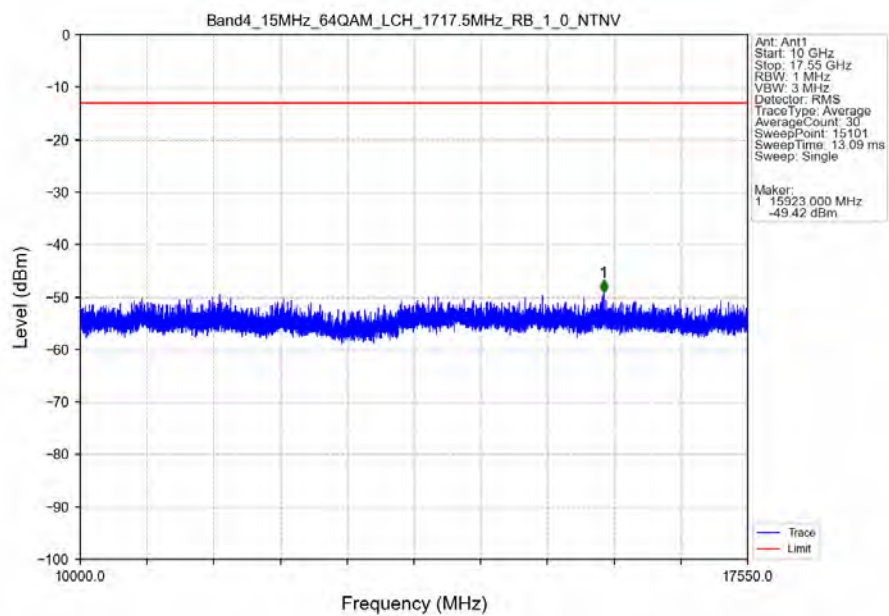
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



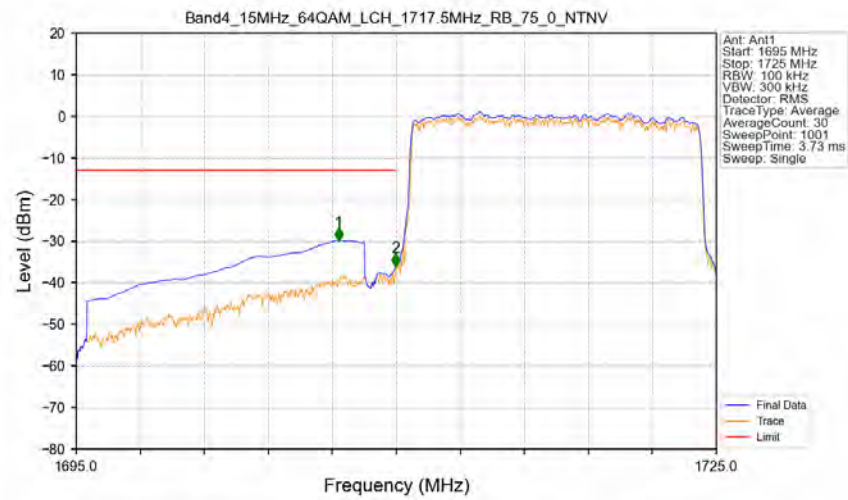
Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV

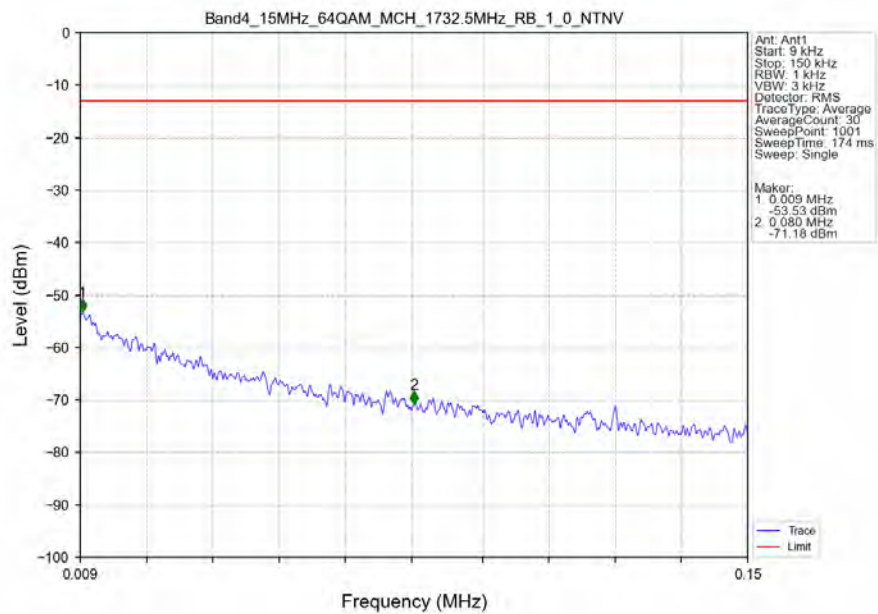


Band4_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV

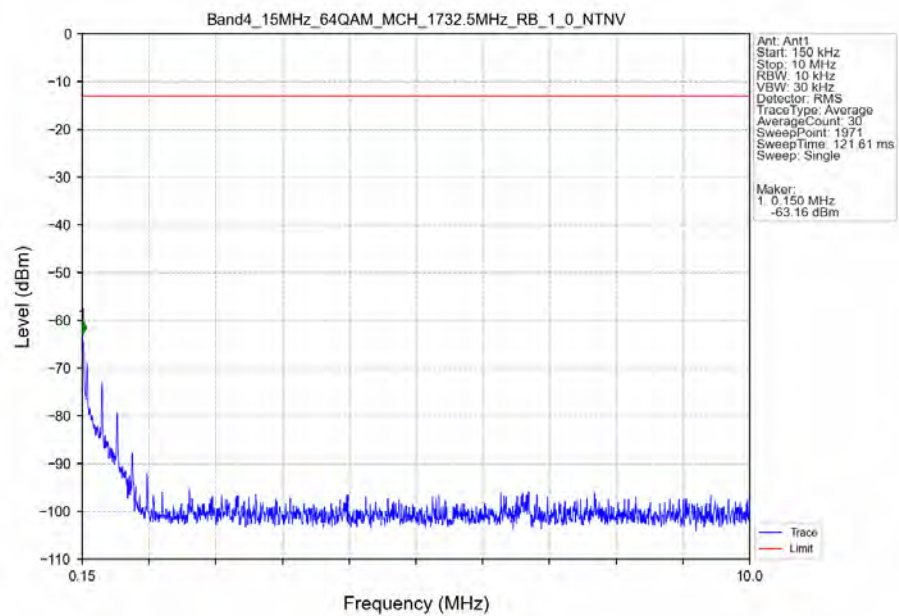


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.300	-29.87	-13	Pass
1709	1710	0.148	CHP	2	1709.970	-35.98	-13	Pass
1710	1725	0.148	CHP	/	/	/	/	/

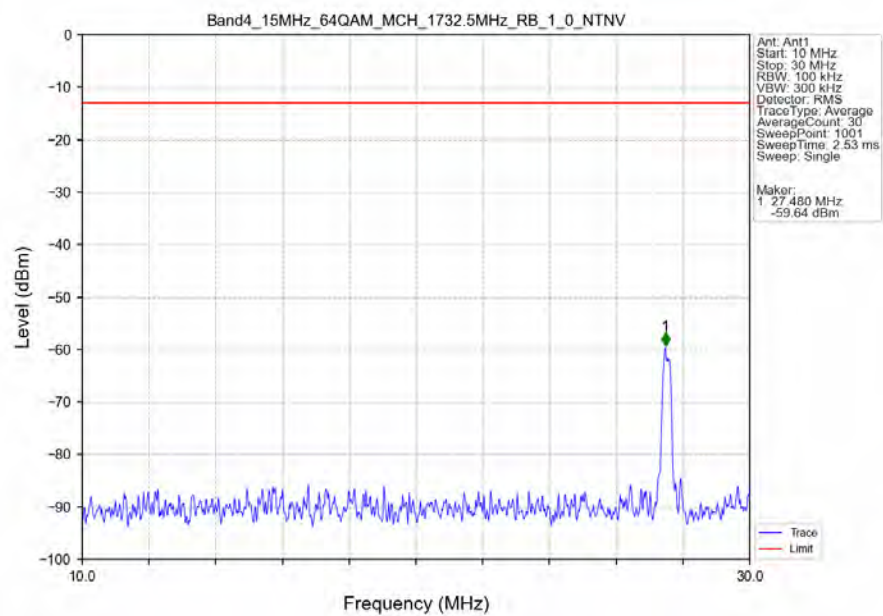
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



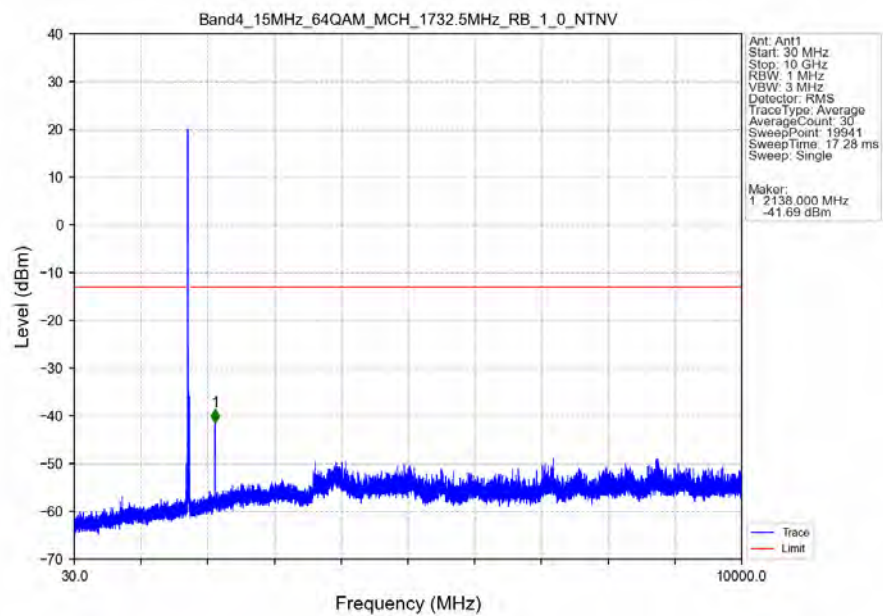
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



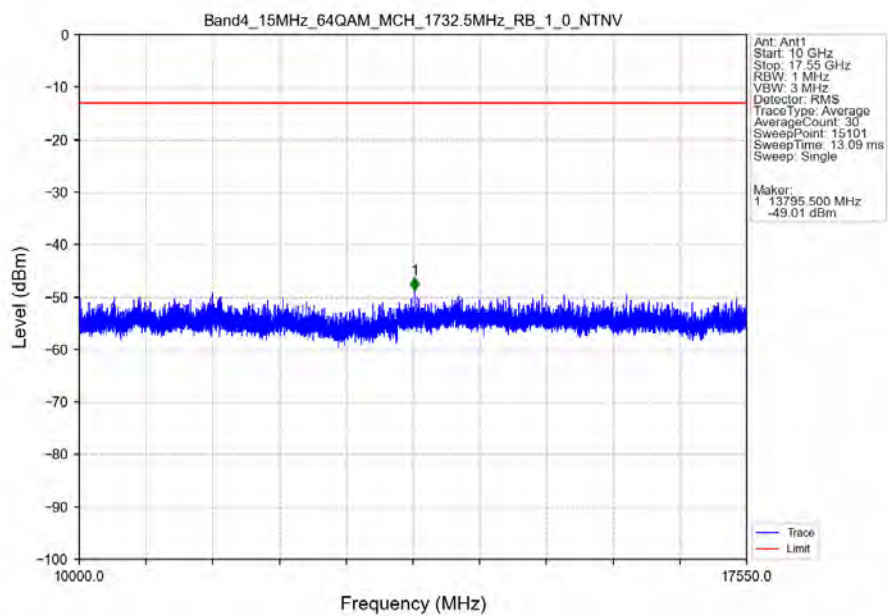
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



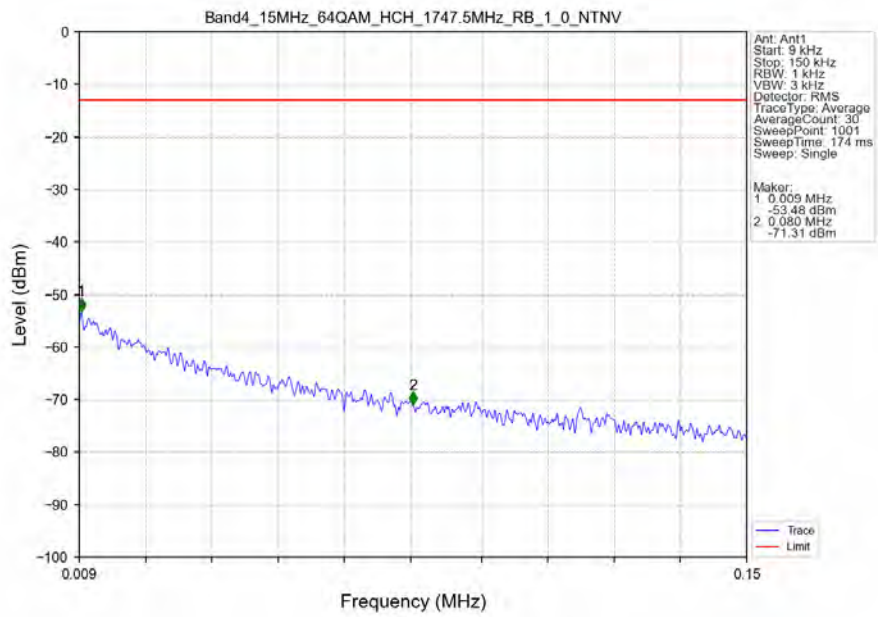
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



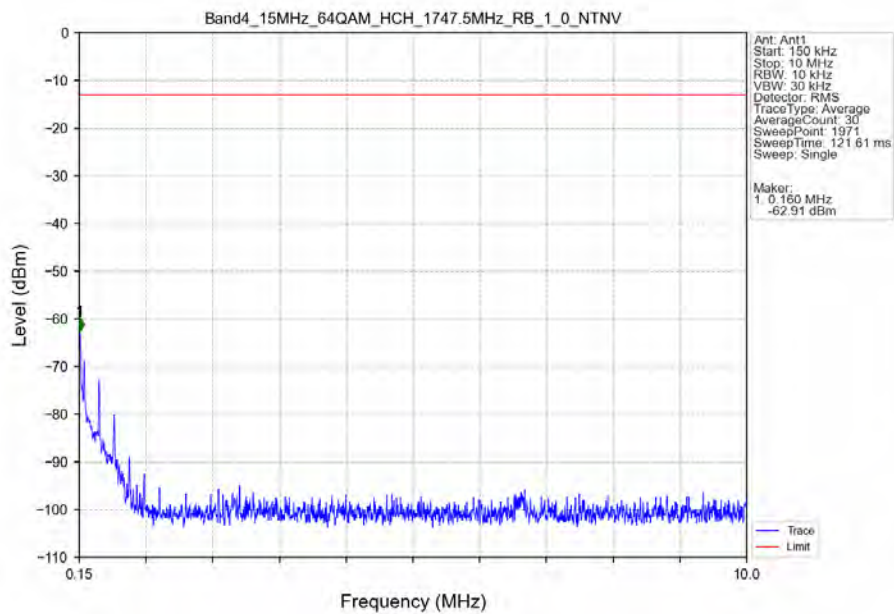
Band4_15MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



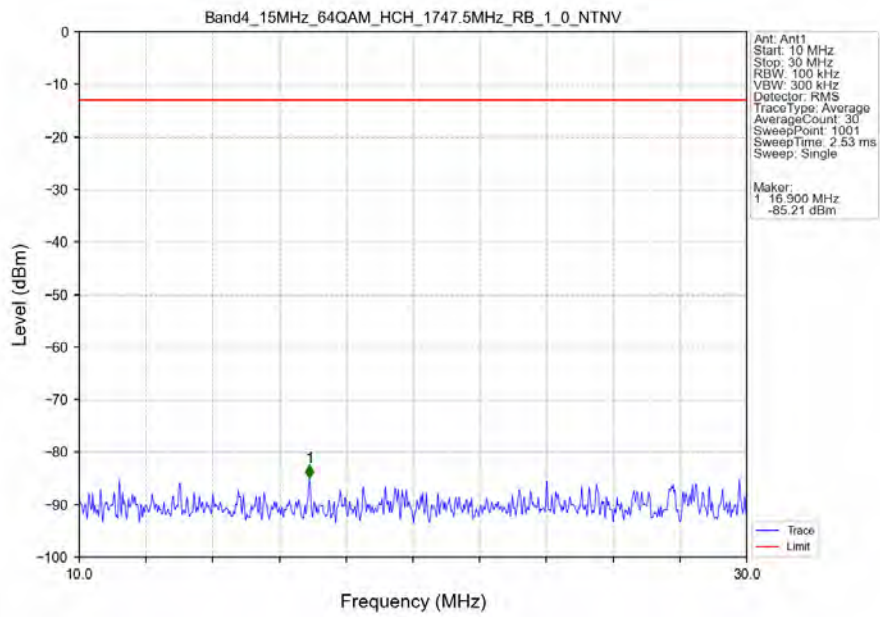
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_0_NTNV



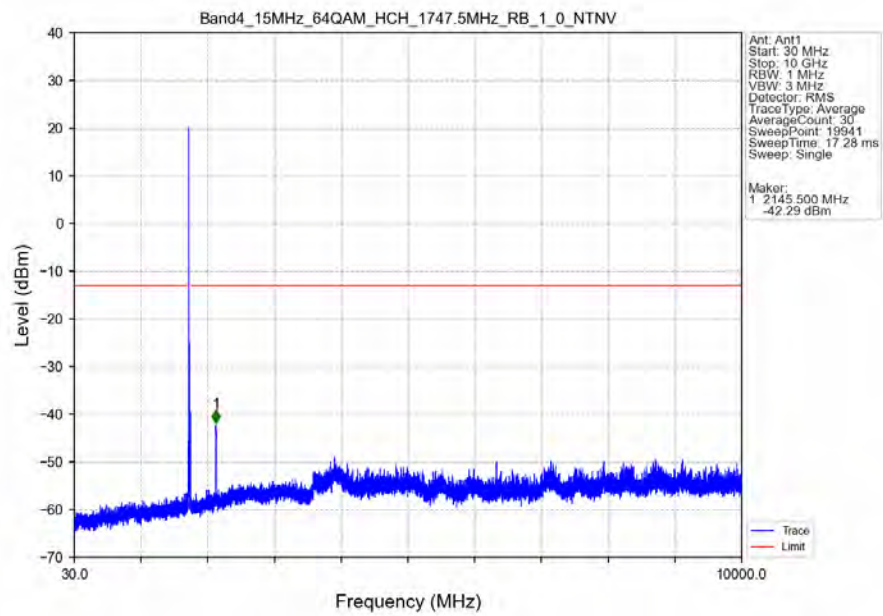
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_0_NTNV



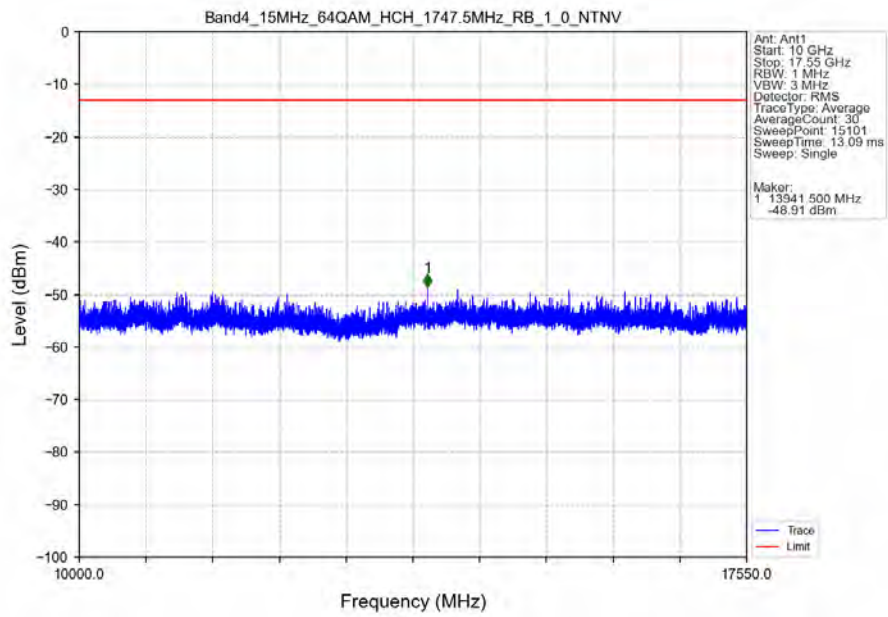
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_0_NTNV



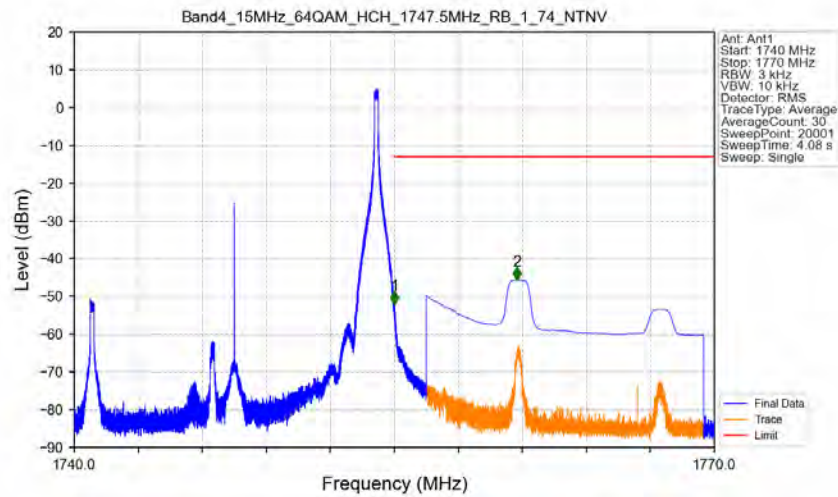
Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_0_NTNV

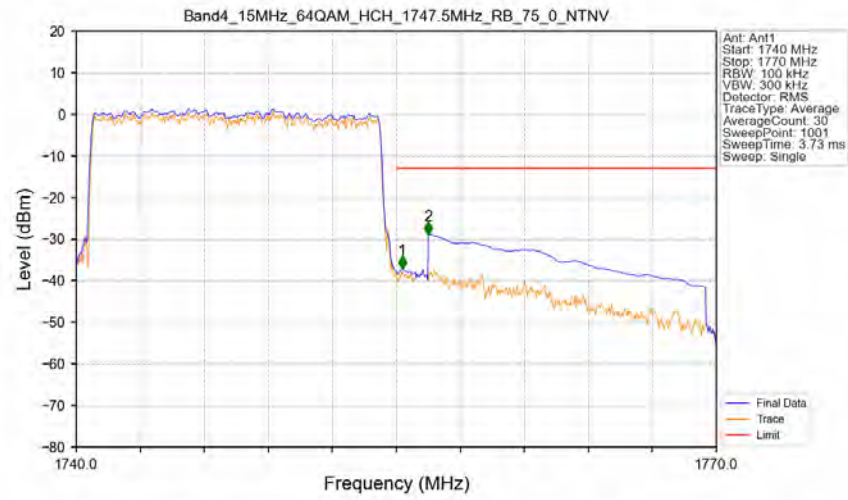


Band4_15MHz_64QAM_HCH_1747.5MHz_RB_1_74_NTNV



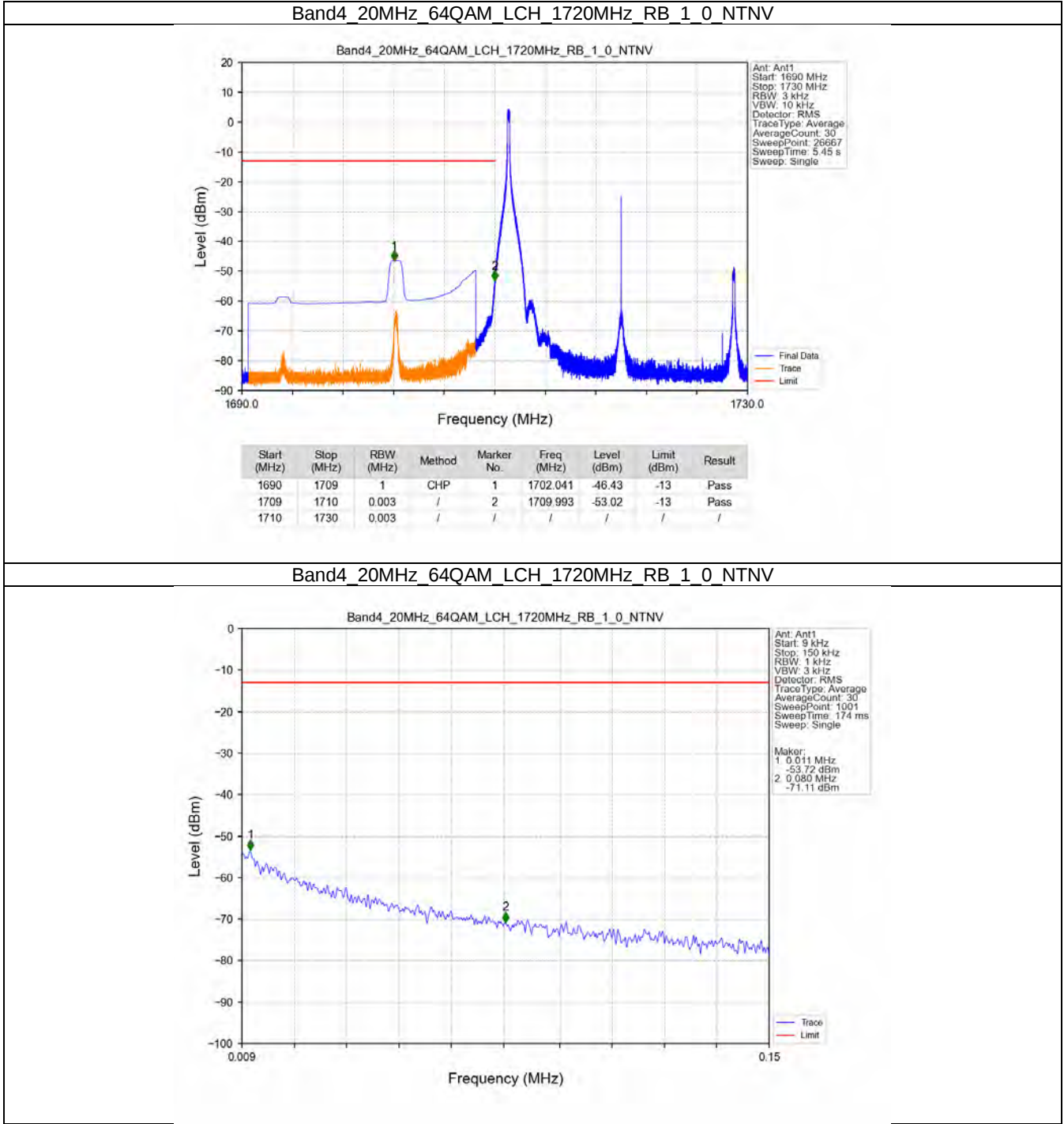
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-52.14	-13	Pass
1756	1770	1	CHP	2	1760.741	-45.70	-13	Pass

Band4 15MHz 64QAM HCH 1747.5MHz RB 75_0_NTNV

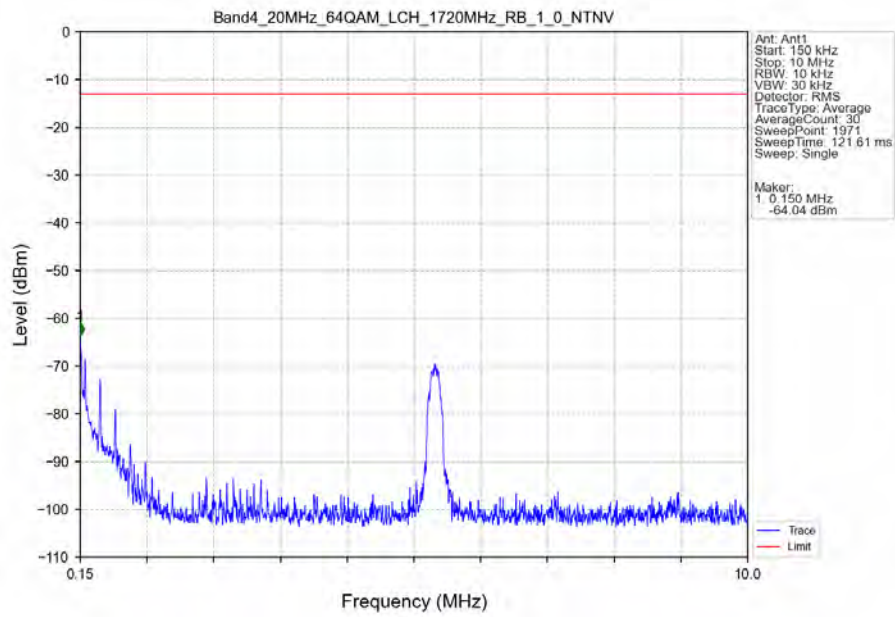


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	CHP	1	1755.270	-37.19	-13	Pass
1755	1756	0.15	CHP	2	1756.500	-28.86	-13	Pass

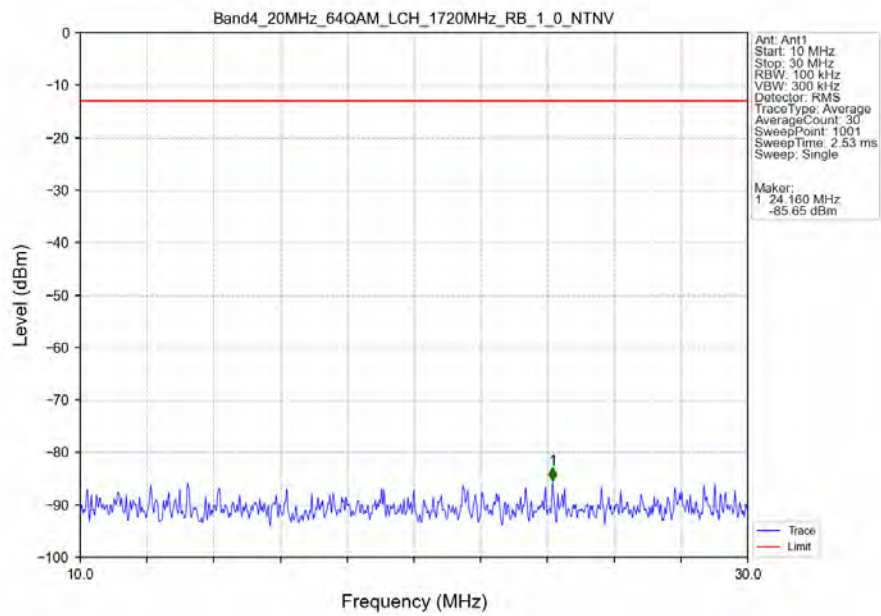
5.2.6 B4_20MHz



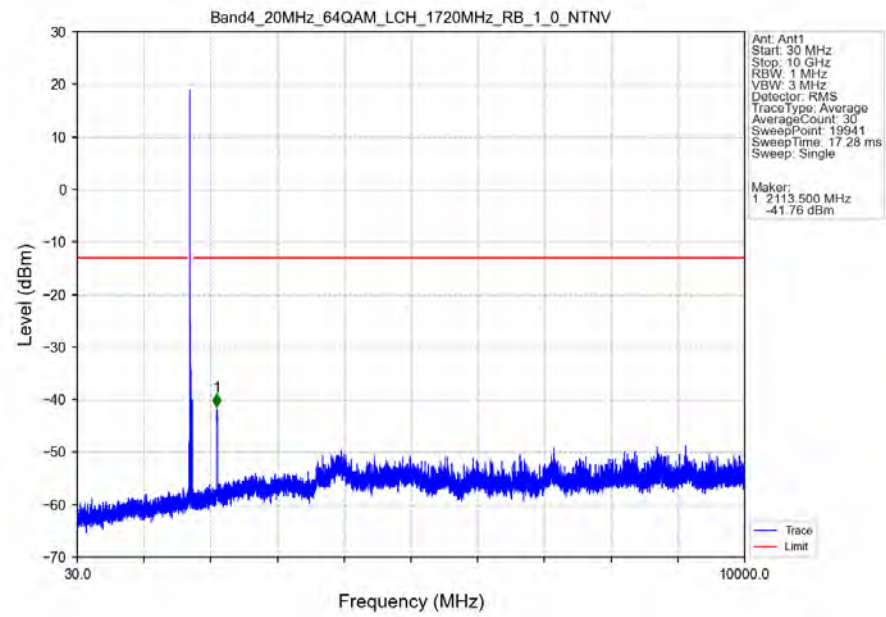
Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



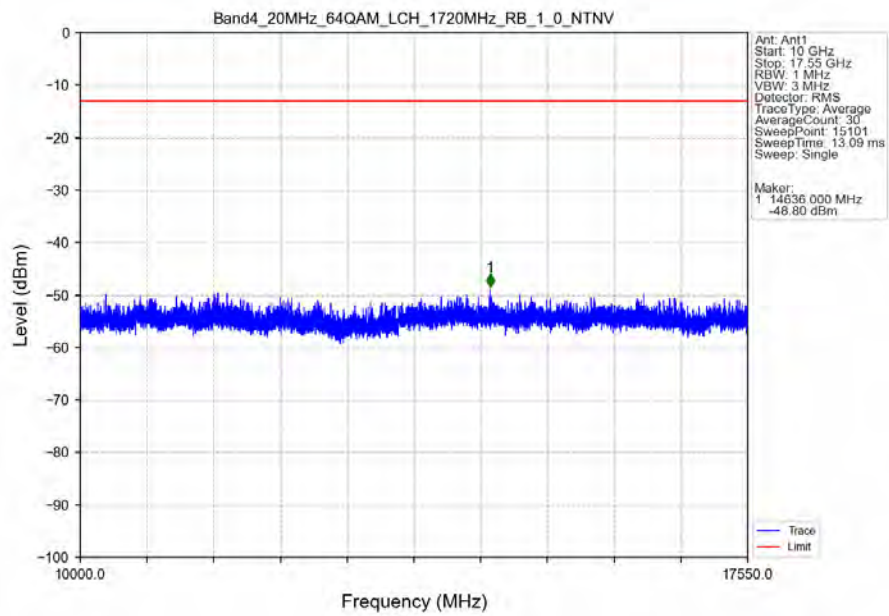
Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



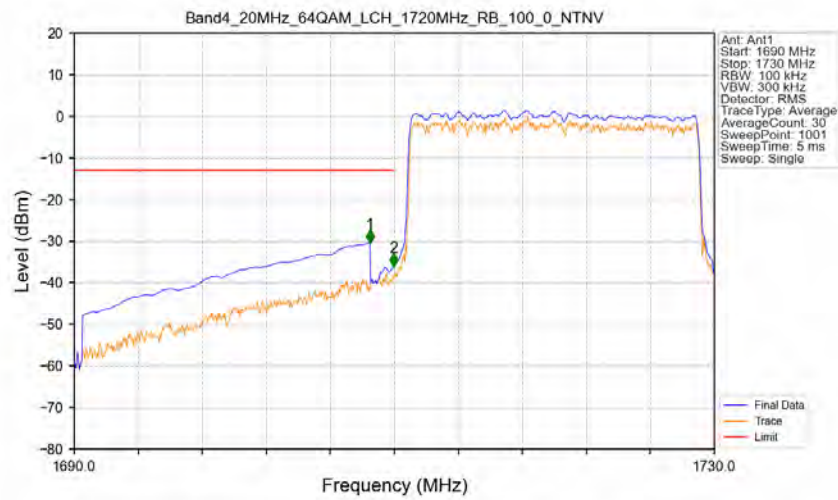
Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV

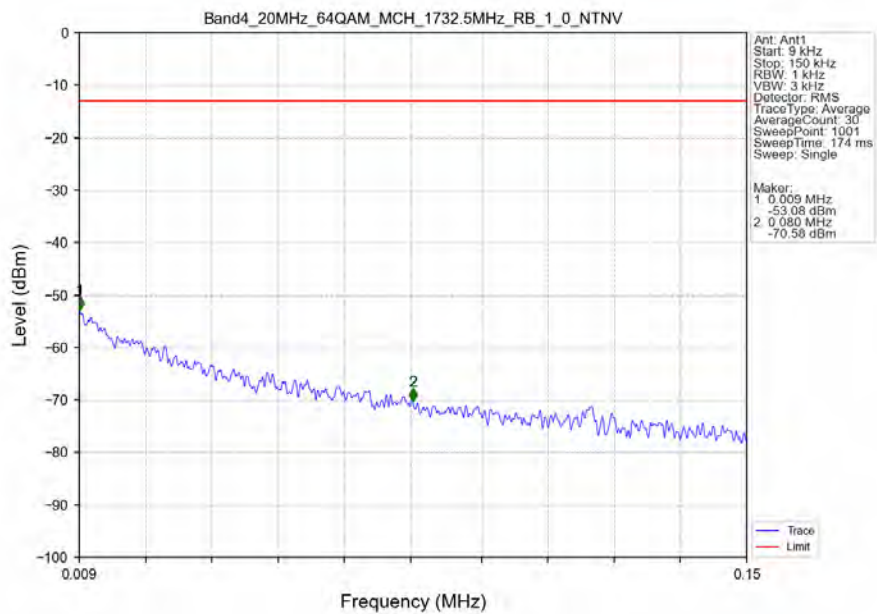


Band4_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV

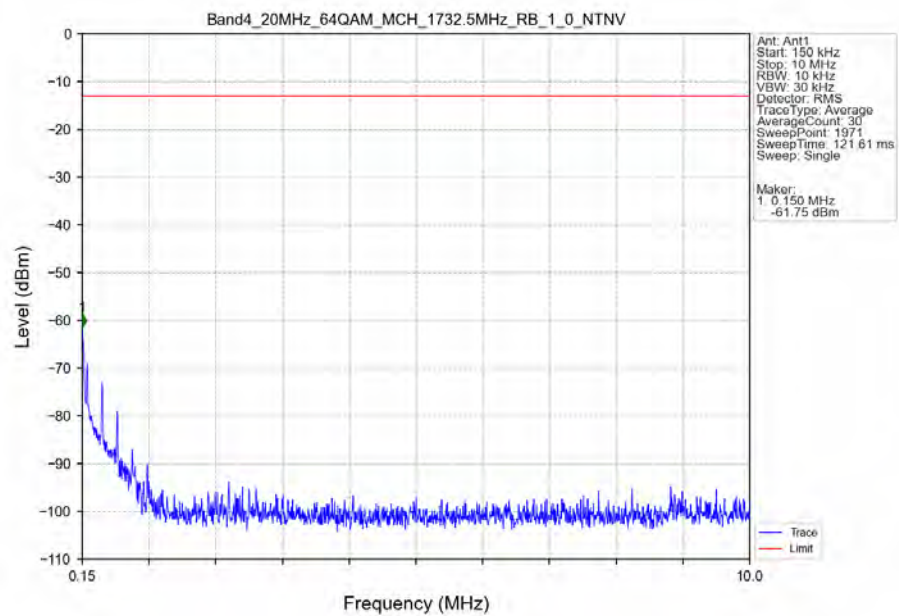


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-30.40	-13	Pass
1709	1710	0.197	CHP	2	1709.960	-35.99	-13	Pass
1710	1730	0.197	CHP	/	/	/	/	/

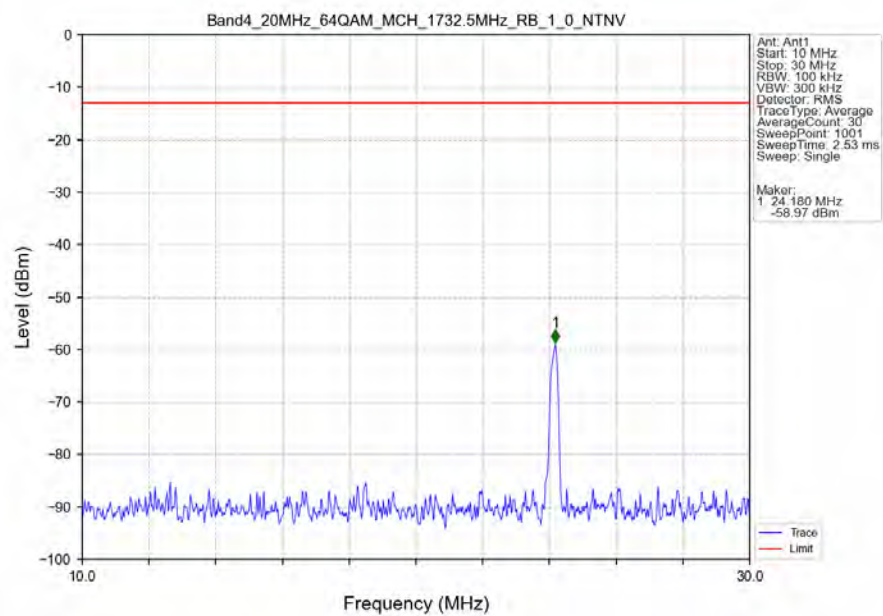
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



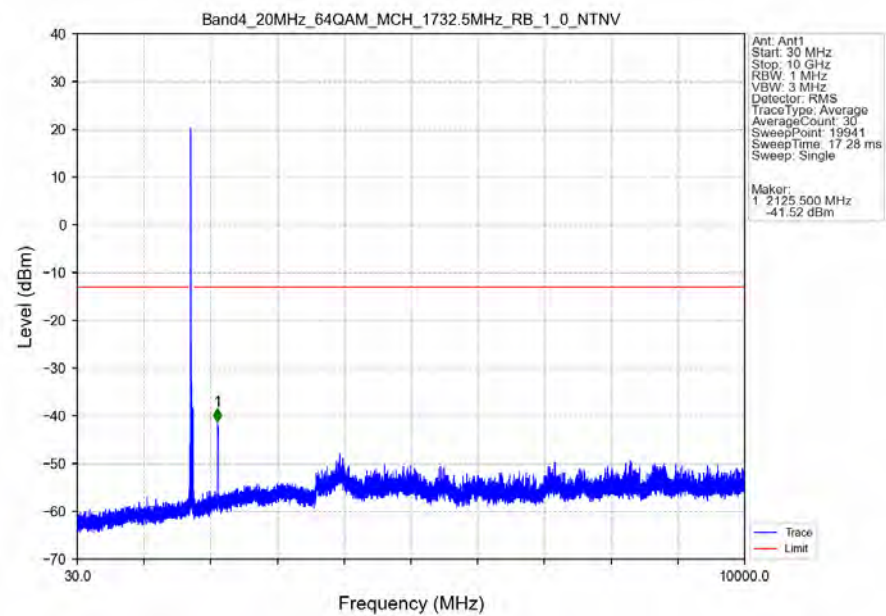
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



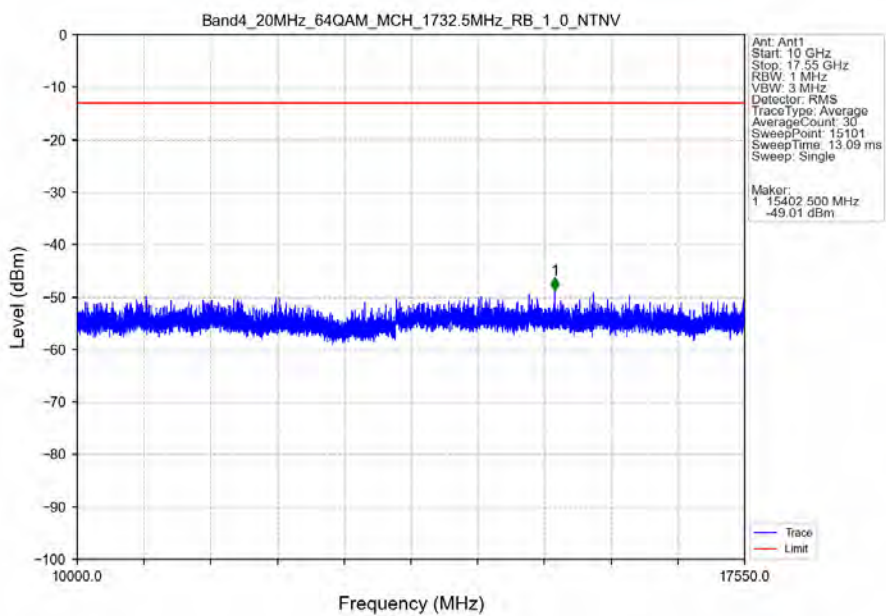
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



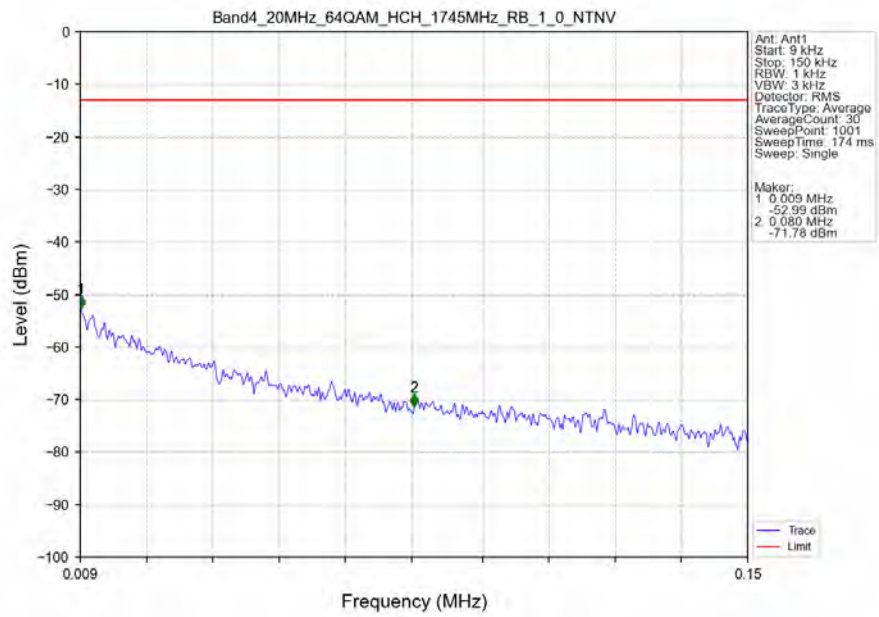
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



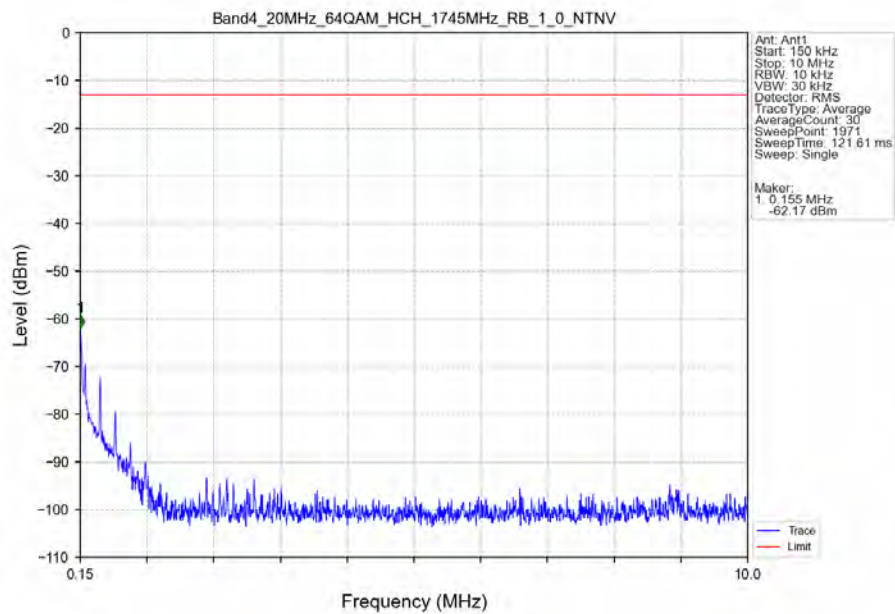
Band4_20MHz_64QAM_MCH_1732.5MHz_RB_1_0_NTNV



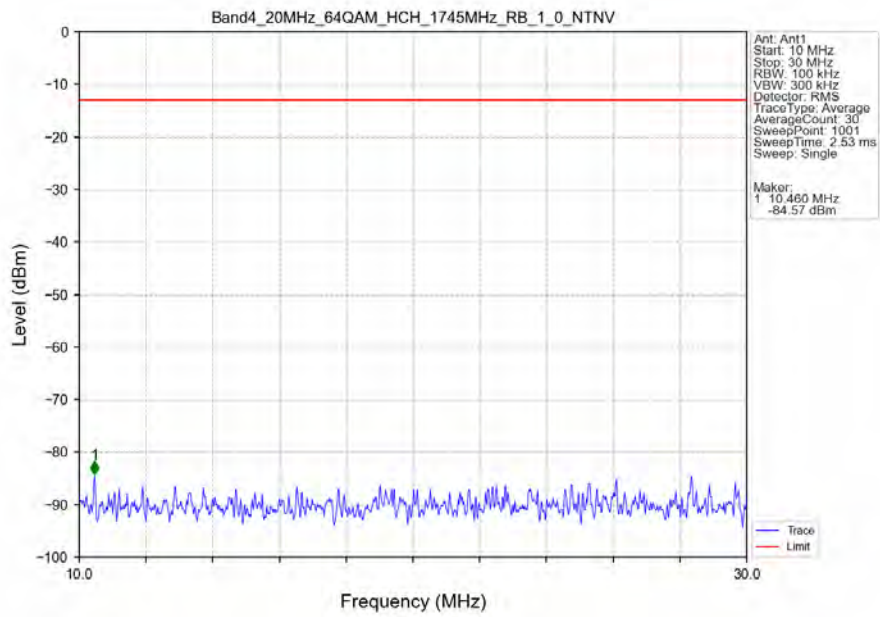
Band4_20MHz_64QAM_HCH_1745MHz_RB_1_0_NTNV



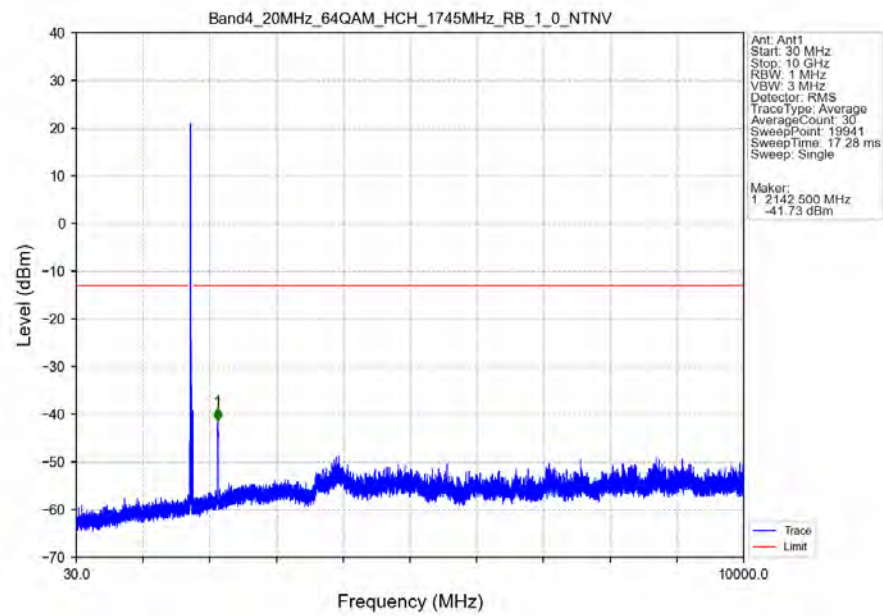
Band4_20MHz_64QAM_HCH_1745MHz_RB_1_0_NTNV



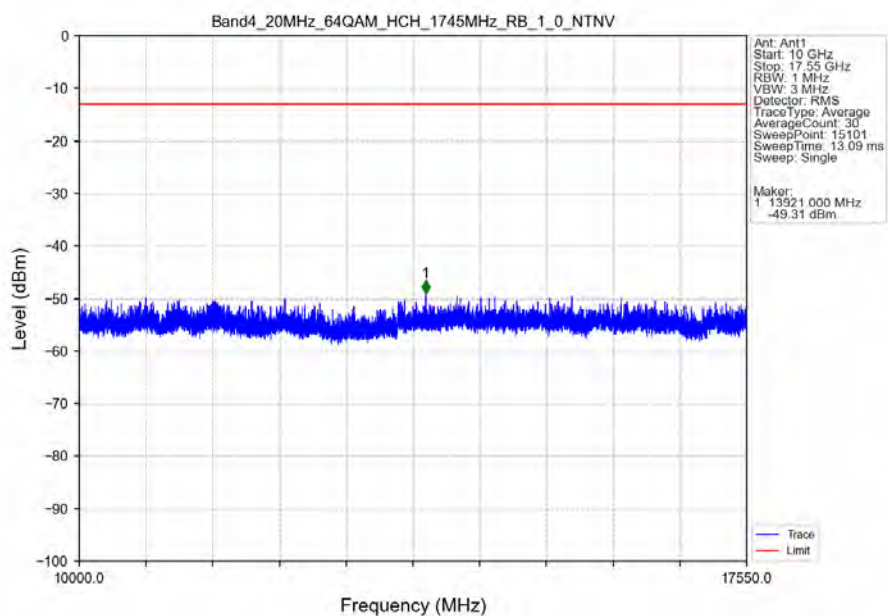
Band4_20MHz_64QAM_HCH_1745MHz_RB_1_0_NTNV



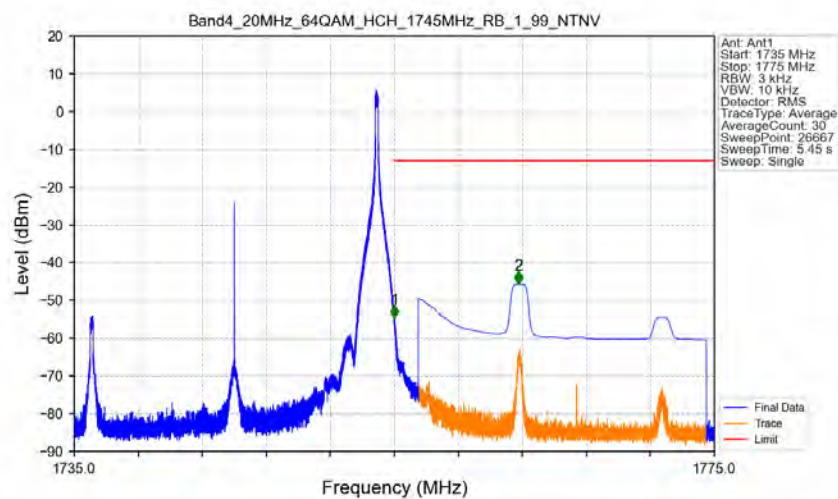
Band4_20MHz_64QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_64QAM_HCH_1745MHz_RB_1_0_NTNV

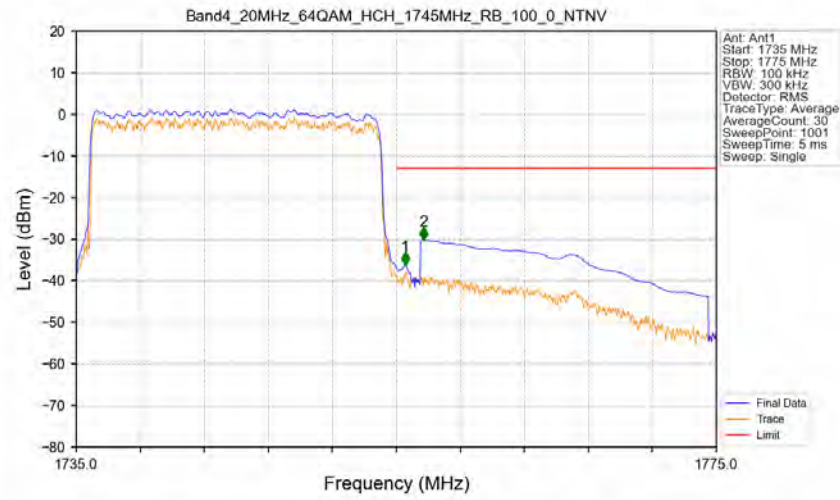


Band4_20MHz_64QAM_HCH_1745MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-54.66	-13	Pass
1756	1775	1	CHP	2	1762.748	-45.74	-13	Pass

Band4_20MHz_64QAM_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.197	CHP	/	/	/	/	/
1755	1756	0.197	CHP	1	1755.560	-36.20	-13	Pass
1756	1775	1	CHP	2	1756.720	-30.28	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 4-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-63.81	-13	-50.81	-68.43	3.36	7.98	Horizontal	Pass
5133.0	-63.14	-13	-50.14	-68.75	4.61	10.22	Horizontal	Pass
6844.0	-60.53	-13	-47.53	-66.56	4.9	10.93	Horizontal	Pass
3422.0	-66.48	-13	-53.48	-71.1	3.36	7.98	Vertical	Pass
5133.0	-62.88	-13	-49.88	-68.49	4.61	10.22	Vertical	Pass
6844.0	-56.23	-13	-43.23	-62.26	4.9	10.93	Vertical	Pass

LTE Band 4-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-62.55	-13	-49.55	-67.22	3.37	8.04	Horizontal	Pass
5170.5	-62.63	-13	-49.63	-68.26	4.62	10.25	Horizontal	Pass
6894.0	-60.28	-13	-47.28	-66.37	4.9	10.99	Horizontal	Pass
3447.0	-66.94	-13	-53.94	-71.61	3.37	8.04	Vertical	Pass
5170.5	-62.9	-13	-49.9	-68.53	4.62	10.25	Vertical	Pass
6894.0	-57.78	-13	-44.78	-63.87	4.9	10.99	Vertical	Pass

LTE Band 4-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-66.11	-13	-53.11	-70.82	3.39	8.1	Horizontal	Pass
5208.0	-63.75	-13	-50.75	-69.38	4.64	10.27	Horizontal	Pass
6944.0	-61.48	-13	-48.48	-67.63	4.91	11.06	Horizontal	Pass
3472.0	-67.53	-13	-54.53	-72.24	3.39	8.1	Vertical	Pass
5208.0	-63.65	-13	-50.65	-69.28	4.64	10.27	Vertical	Pass
6944.0	-57.4	-13	-44.4	-63.55	4.91	11.06	Vertical	Pass