



Appendix - LTE_band_4

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	
QPSK	1710.7	1	0	22.15	1.55	23.70	<=30	Pass
			2	22.11	1.55	23.66	<=30	Pass
			5	22.02	1.55	23.57	<=30	Pass
		3	0	21.91	1.55	23.46	<=30	Pass
			2	21.93	1.55	23.48	<=30	Pass
			3	21.89	1.55	23.44	<=30	Pass
		6	0	21.16	1.55	22.71	<=30	Pass
	1732.5	1	0	22.82	1.55	24.37	<=30	Pass
			2	22.90	1.55	24.45	<=30	Pass
			5	22.87	1.55	24.42	<=30	Pass
		3	0	22.78	1.55	24.33	<=30	Pass
			2	22.80	1.55	24.35	<=30	Pass
			3	22.78	1.55	24.33	<=30	Pass
		6	0	21.90	1.55	23.45	<=30	Pass
	1754.3	1	0	23.20	1.55	24.75	<=30	Pass
			2	23.18	1.55	24.73	<=30	Pass
			5	23.08	1.55	24.63	<=30	Pass
		3	0	23.11	1.55	24.66	<=30	Pass
			2	23.11	1.55	24.66	<=30	Pass
			3	23.20	1.55	24.75	<=30	Pass
		6	0	22.28	1.55	23.83	<=30	Pass
16QAM	1710.7	1	0	21.02	1.55	22.57	<=30	Pass
			2	21.01	1.55	22.56	<=30	Pass
			5	21.00	1.55	22.55	<=30	Pass
		3	0	21.20	1.55	22.75	<=30	Pass
			2	21.25	1.55	22.80	<=30	Pass
			3	21.19	1.55	22.74	<=30	Pass
		6	0	20.25	1.55	21.80	<=30	Pass
	1732.5	1	0	21.90	1.55	23.45	<=30	Pass
			2	21.95	1.55	23.50	<=30	Pass
			5	22.00	1.55	23.55	<=30	Pass
		3	0	21.89	1.55	23.44	<=30	Pass
			2	21.90	1.55	23.45	<=30	Pass
			3	21.90	1.55	23.45	<=30	Pass
		6	0	21.03	1.55	22.58	<=30	Pass
	1754.3	1	0	22.14	1.55	23.69	<=30	Pass
			2	22.13	1.55	23.68	<=30	Pass
			5	22.14	1.55	23.69	<=30	Pass
		3	0	22.34	1.55	23.89	<=30	Pass
			2	22.36	1.55	23.91	<=30	Pass
			3	22.35	1.55	23.90	<=30	Pass
		6	0	21.29	1.55	22.84	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP



Band: 4 / Bandwidth: 3MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	21.85	1.55	23.40	<=30	Pass
			7	21.96	1.55	23.51	<=30	Pass
			14	21.62	1.55	23.17	<=30	Pass
		8	0	20.92	1.55	22.47	<=30	Pass
			4	20.91	1.55	22.46	<=30	Pass
			7	20.82	1.55	22.37	<=30	Pass
		15	0	20.83	1.55	22.38	<=30	Pass
	1732.5	1	0	22.61	1.55	24.16	<=30	Pass
			7	22.90	1.55	24.45	<=30	Pass
			14	22.72	1.55	24.27	<=30	Pass
		8	0	21.86	1.55	23.41	<=30	Pass
			4	21.94	1.55	23.49	<=30	Pass
			7	21.91	1.55	23.46	<=30	Pass
		15	0	21.86	1.55	23.41	<=30	Pass
	1753.5	1	0	23.09	1.55	24.64	<=30	Pass
			7	23.18	1.55	24.73	<=30	Pass
			14	22.96	1.55	24.51	<=30	Pass
		8	0	22.16	1.55	23.71	<=30	Pass
			4	22.20	1.55	23.75	<=30	Pass
			7	22.17	1.55	23.72	<=30	Pass
		15	0	22.18	1.55	23.73	<=30	Pass
16QAM	1711.5	1	0	20.70	1.55	22.25	<=30	Pass
			7	20.79	1.55	22.34	<=30	Pass
			14	20.60	1.55	22.15	<=30	Pass
		8	0	19.97	1.55	21.52	<=30	Pass
			4	20.00	1.55	21.55	<=30	Pass
			7	19.91	1.55	21.46	<=30	Pass
		15	0	19.97	1.55	21.52	<=30	Pass
	1732.5	1	0	21.78	1.55	23.33	<=30	Pass
			7	22.01	1.55	23.56	<=30	Pass
			14	21.85	1.55	23.40	<=30	Pass
		8	0	21.01	1.55	22.56	<=30	Pass
			4	21.09	1.55	22.64	<=30	Pass
			7	21.07	1.55	22.62	<=30	Pass
		15	0	20.99	1.55	22.54	<=30	Pass
	1753.5	1	0	22.39	1.55	23.94	<=30	Pass
			7	22.51	1.55	24.06	<=30	Pass
			14	22.33	1.55	23.88	<=30	Pass
		8	0	21.27	1.55	22.82	<=30	Pass
4			21.34	1.55	22.89	<=30	Pass	
7			21.31	1.55	22.86	<=30	Pass	
15		0	21.23	1.55	22.78	<=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	
QPSK	1712.5	1	0	22.30	1.55	23.85	<=30	Pass
			13	22.13	1.55	23.68	<=30	Pass
			24	22.00	1.55	23.55	<=30	Pass
		12	0	21.25	1.55	22.80	<=30	Pass
			6	21.16	1.55	22.71	<=30	Pass
			13	21.19	1.55	22.74	<=30	Pass



16QAM	1732.5	25	0	21.24	1.55	22.79	<=30	Pass
			0	22.77	1.55	24.32	<=30	Pass
		1	13	22.86	1.55	24.41	<=30	Pass
			24	22.96	1.55	24.51	<=30	Pass
		12	0	21.87	1.55	23.42	<=30	Pass
			6	21.95	1.55	23.50	<=30	Pass
			13	22.00	1.55	23.55	<=30	Pass
		25	0	21.95	1.55	23.50	<=30	Pass
	1752.5	1	0	23.22	1.55	24.77	<=30	Pass
			13	23.08	1.55	24.63	<=30	Pass
			24	23.06	1.55	24.61	<=30	Pass
		12	0	22.31	1.55	23.86	<=30	Pass
			6	22.22	1.55	23.77	<=30	Pass
			13	22.22	1.55	23.77	<=30	Pass
		25	0	22.24	1.55	23.79	<=30	Pass
	1712.5	1	0	21.57	1.55	23.12	<=30	Pass
			13	21.40	1.55	22.95	<=30	Pass
			24	21.33	1.55	22.88	<=30	Pass
		12	0	20.38	1.55	21.93	<=30	Pass
			6	20.32	1.55	21.87	<=30	Pass
			13	20.26	1.55	21.81	<=30	Pass
		25	0	20.38	1.55	21.93	<=30	Pass
	1732.5	1	0	21.95	1.55	23.50	<=30	Pass
			13	22.10	1.55	23.65	<=30	Pass
			24	22.21	1.55	23.76	<=30	Pass
		12	0	20.99	1.55	22.54	<=30	Pass
			6	21.08	1.55	22.63	<=30	Pass
			13	21.17	1.55	22.72	<=30	Pass
		25	0	21.11	1.55	22.66	<=30	Pass
	1752.5	1	0	22.51	1.55	24.06	<=30	Pass
			13	22.41	1.55	23.96	<=30	Pass
			24	22.41	1.55	23.96	<=30	Pass
		12	0	21.35	1.55	22.90	<=30	Pass
			6	21.31	1.55	22.86	<=30	Pass
			13	21.31	1.55	22.86	<=30	Pass
		25	0	21.36	1.55	22.91	<=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	
QPSK	1715	1	0	22.20	1.55	23.75	<=30	Pass
			25	21.99	1.55	23.54	<=30	Pass
			49	22.22	1.55	23.77	<=30	Pass
		25	0	21.26	1.55	22.81	<=30	Pass
			13	21.19	1.55	22.74	<=30	Pass
			25	21.17	1.55	22.72	<=30	Pass
		50	0	21.19	1.55	22.74	<=30	Pass
	1732.5	1	0	22.59	1.55	24.14	<=30	Pass
			25	22.92	1.55	24.47	<=30	Pass
			49	23.13	1.55	24.68	<=30	Pass
		25	0	21.80	1.55	23.35	<=30	Pass
			13	21.99	1.55	23.54	<=30	Pass
			25	22.11	1.55	23.66	<=30	Pass
		50	0	21.98	1.55	23.53	<=30	Pass
	1750	1	0	23.56	1.55	25.11	<=30	Pass



16QAM		25	25	23.53	1.55	25.08	<=30	Pass
			49	23.42	1.55	24.97	<=30	Pass
			0	22.65	1.55	24.20	<=30	Pass
			13	22.56	1.55	24.11	<=30	Pass
			25	22.46	1.55	24.01	<=30	Pass
	1715	1	0	22.57	1.55	24.12	<=30	Pass
			0	21.18	1.55	22.73	<=30	Pass
			25	20.98	1.55	22.53	<=30	Pass
		12	49	21.12	1.55	22.67	<=30	Pass
			0	21.28	1.55	22.83	<=30	Pass
			19	21.12	1.55	22.67	<=30	Pass
		27	38	21.20	1.55	22.75	<=30	Pass
			0	20.28	1.55	21.83	<=30	Pass
			0	21.66	1.55	23.21	<=30	Pass
	1732.5	1	25	22.05	1.55	23.60	<=30	Pass
			49	22.27	1.55	23.82	<=30	Pass
		12	0	21.69	1.55	23.24	<=30	Pass
			19	21.95	1.55	23.50	<=30	Pass
			38	22.13	1.55	23.68	<=30	Pass
		27	0	20.90	1.55	22.45	<=30	Pass
			0	22.90	1.55	24.45	<=30	Pass
		1	25	22.80	1.55	24.35	<=30	Pass
			49	22.69	1.55	24.24	<=30	Pass
	1750	12	0	22.70	1.55	24.25	<=30	Pass
			19	22.62	1.55	24.17	<=30	Pass
			38	22.49	1.55	24.04	<=30	Pass
		27	0	21.48	1.55	23.03	<=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	
QPSK	1717.5	1	0	22.39	1.55	23.94	<=30	Pass
			38	22.28	1.55	23.83	<=30	Pass
			74	22.67	1.55	24.22	<=30	Pass
		36	0	21.29	1.55	22.84	<=30	Pass
			18	21.44	1.55	22.99	<=30	Pass
			39	21.56	1.55	23.11	<=30	Pass
		75	0	21.56	1.55	23.11	<=30	Pass
			0	22.42	1.55	23.97	<=30	Pass
			38	23.14	1.55	24.69	<=30	Pass
	1732.5	1	74	23.50	1.55	25.05	<=30	Pass
			0	21.76	1.55	23.31	<=30	Pass
			18	22.10	1.55	23.65	<=30	Pass
		36	39	22.33	1.55	23.88	<=30	Pass
			0	22.02	1.55	23.57	<=30	Pass
			0	23.31	1.55	24.86	<=30	Pass
		75	38	23.58	1.55	25.13	<=30	Pass
			74	23.44	1.55	24.99	<=30	Pass
			0	22.44	1.55	23.99	<=30	Pass
	1747.5	1	18	22.72	1.55	24.27	<=30	Pass
			39	22.46	1.55	24.01	<=30	Pass
			0	22.47	1.55	24.02	<=30	Pass
		36	0	21.67	1.55	23.22	<=30	Pass
			38	21.72	1.55	23.27	<=30	Pass
			74	22.05	1.55	23.60	<=30	Pass



		12	0	21.55	1.55	23.10	<=30	Pass
			31	21.45	1.55	23.00	<=30	Pass
			63	21.82	1.55	23.37	<=30	Pass
		27	0	20.41	1.55	21.96	<=30	Pass
			0	21.49	1.55	23.04	<=30	Pass
			38	22.11	1.55	23.66	<=30	Pass
	1732.5	1	74	22.54	1.55	24.09	<=30	Pass
			0	21.57	1.55	23.12	<=30	Pass
			31	22.05	1.55	23.60	<=30	Pass
		12	63	22.37	1.55	23.92	<=30	Pass
			0	20.86	1.55	22.41	<=30	Pass
			0	22.26	1.55	23.81	<=30	Pass
	1747.5	1	38	22.66	1.55	24.21	<=30	Pass
			74	22.39	1.55	23.94	<=30	Pass
			0	22.27	1.55	23.82	<=30	Pass
		12	31	22.53	1.55	24.08	<=30	Pass
			63	22.28	1.55	23.83	<=30	Pass
			27	21.63	1.55	23.18	<=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	
QPSK	1720	1	0	22.33	1.55	23.88	<=30	Pass
			50	22.29	1.55	23.84	<=30	Pass
			99	23.00	1.55	24.55	<=30	Pass
		50	0	21.26	1.55	22.81	<=30	Pass
			25	21.47	1.55	23.02	<=30	Pass
			50	21.73	1.55	23.28	<=30	Pass
	1732.5	100	0	21.59	1.55	23.14	<=30	Pass
			0	22.38	1.55	23.93	<=30	Pass
			50	23.00	1.55	24.55	<=30	Pass
		1	99	23.38	1.55	24.93	<=30	Pass
			0	21.78	1.55	23.33	<=30	Pass
			25	22.10	1.55	23.65	<=30	Pass
	1745	50	50	22.39	1.55	23.94	<=30	Pass
			0	22.05	1.55	23.60	<=30	Pass
			0	22.97	1.55	24.52	<=30	Pass
		1	50	23.36	1.55	24.91	<=30	Pass
			99	23.45	1.55	25.00	<=30	Pass
			0	22.15	1.55	23.70	<=30	Pass
16QAM	1720	50	25	22.37	1.55	23.92	<=30	Pass
			50	22.43	1.55	23.98	<=30	Pass
			0	22.28	1.55	23.83	<=30	Pass
		100	0	21.86	1.55	23.41	<=30	Pass
			50	21.86	1.55	23.41	<=30	Pass
			99	22.53	1.55	24.08	<=30	Pass
	1732.5	12	0	21.36	1.55	22.91	<=30	Pass
			44	21.42	1.55	22.97	<=30	Pass
			88	22.01	1.55	23.56	<=30	Pass
		27	0	20.33	1.55	21.88	<=30	Pass
			0	21.49	1.55	23.04	<=30	Pass
			50	22.20	1.55	23.75	<=30	Pass
		1	99	22.65	1.55	24.20	<=30	Pass
			0	21.47	1.55	23.02	<=30	Pass
			44	22.07	1.55	23.62	<=30	Pass



			88	22.54	1.55	24.09	<=30	Pass
		27	0	20.64	1.55	22.19	<=30	Pass
	1745	1	0	22.02	1.55	23.57	<=30	Pass
			50	22.52	1.55	24.07	<=30	Pass
			99	22.46	1.55	24.01	<=30	Pass
	12		0	22.06	1.55	23.61	<=30	Pass
			44	22.49	1.55	24.04	<=30	Pass
			88	22.30	1.55	23.85	<=30	Pass
	27		73	21.47	1.55	23.02	<=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	
QPSK	1710.7	6	0	20	3.27	-4.706	-0.0028	-2.5 to 2.5	Pass
					3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
					4.43	-4.621	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.362	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-2.346	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
					4.43	-2.375	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-1.602	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.574	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.302	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-1.616	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.101	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass



				-20	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.832	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.017	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.459	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	0.429	0.0002	-2.5 to 2.5	Pass
					3.85	0.844	0.0005	-2.5 to 2.5	Pass
					4.43	0.157	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				30	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-1.101	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.702	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.629	-0.0004	-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	
QPSK	1711.5	15	0	20	3.27	-4.349	-0.0025	-2.5 to 2.5	Pass
					3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
					4.43	-5.708	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-0.730	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
					4.43	-0.286	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-2.360	-0.0013	-2.5 to 2.5	Pass



						3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
						4.43	-1.101	-0.0006	-2.5 to 2.5	Pass
					-30	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
					-20	3.85	0.601	0.0003	-2.5 to 2.5	Pass
					-10	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
					0	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
					10	3.85	-1.831	-0.0010	-2.5 to 2.5	Pass
					30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
					40	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
					50	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20		3.27	-1.187	-0.0007	-2.5 to 2.5	Pass
						3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
						4.43	-0.143	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass	
				-20	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass	
				-10	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass	
				0	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass	
				10	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass	
				30	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass	
				40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass	
				50	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass	
	1732.5	15	0	20		3.27	-0.100	-0.0001	-2.5 to 2.5	Pass
						3.85	1.945	0.0011	-2.5 to 2.5	Pass
						4.43	0.815	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass	
				-20	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass	
				-10	3.85	0.286	0.0002	-2.5 to 2.5	Pass	
				0	3.85	1.802	0.0010	-2.5 to 2.5	Pass	
				10	3.85	0.229	0.0001	-2.5 to 2.5	Pass	
				30	3.85	1.388	0.0008	-2.5 to 2.5	Pass	
				40	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass	
				50	3.85	0.529	0.0003	-2.5 to 2.5	Pass	
	1753.5	15	0	20		3.27	-0.730	-0.0004	-2.5 to 2.5	Pass
						3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
						4.43	0.257	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass	
				-20	3.85	0.343	0.0002	-2.5 to 2.5	Pass	
				-10	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass	
				0	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass	
				10	3.85	0.887	0.0005	-2.5 to 2.5	Pass	
				30	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass	
				40	3.85	0.272	0.0002	-2.5 to 2.5	Pass	
				50	3.85	0.801	0.0005	-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	
QPSK	1712.5	25	0	20	3.27	-7.539	-0.0044	-2.5 to 2.5	Pass
					3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
					4.43	-3.948	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-3.190	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass



16QAM	1732.5	25	0	40	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				20	3.27	-1.173	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.057	0.0000	-2.5 to 2.5	Pass
					4.43	-0.730	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
	1752.5	25	0	30	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				20	3.27	-1.130	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.529	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
	1712.5	25	0	20	3.27	-2.275	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
					4.43	0.415	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
	1732.5	25	0	50	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				20	3.27	0.401	0.0002	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
					4.43	1.130	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
	1752.5	25	0	40	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				20	3.27	0.343	0.0002	-2.5 to 2.5	Pass
					3.85	-0.072	0.0000	-2.5 to 2.5	Pass
					4.43	1.760	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-1.130	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				40	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

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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	
QPSK	1715	50	0	20	3.27	-5.307	-0.0031	-2.5 to 2.5	Pass
					3.85	-5.407	-0.0032	-2.5 to 2.5	Pass
					4.43	-1.802	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.687	-0.0004	-2.5 to 2.5	Pass
					3.85	1.016	0.0006	-2.5 to 2.5	Pass
					4.43	0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				0	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				10	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				40	3.85	0.501	0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-1.802	-0.0010	-2.5 to 2.5	Pass
					3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
					4.43	0.157	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.27	-0.100	-0.0001	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
					4.43	0.257	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.601	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				40	3.85	0.429	0.0003	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	0.901	0.0005	-2.5 to 2.5	Pass
					3.85	1.717	0.0010	-2.5 to 2.5	Pass
					4.43	-0.615	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.272	0.0002	-2.5 to 2.5	Pass
	1750	27	23	20	3.27	0.157	0.0001	-2.5 to 2.5	Pass
					3.85	1.674	0.0010	-2.5 to 2.5	Pass



					4.43	-0.129	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.130	-0.0006	-2.5 to 2.5	Pass
				30	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.958	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.315	-0.0002	-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	
QPSK	1717.5	75	0	20	3.27	-5.107	-0.0030	-2.5 to 2.5	Pass
					3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
					4.43	-4.478	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-5.894	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-2.317	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
					4.43	-4.849	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				40	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-2.475	-0.0014	-2.5 to 2.5	Pass
					3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.629	0.0004	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.27	-2.532	-0.0015	-2.5 to 2.5	Pass
					3.85	-5.679	-0.0033	-2.5 to 2.5	Pass
					4.43	-4.277	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass



	1732.5	27	0	50	3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
				20	3.27	2.017	0.0012	-2.5 to 2.5	Pass
					3.85	-0.057	0.0000	-2.5 to 2.5	Pass
					4.43	0.129	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				0	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
	1747.5	27	48	40	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				20	3.27	-0.257	-0.0001	-2.5 to 2.5	Pass
					3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				10	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-4.349	-0.0025	-2.5 to 2.5	Pass
					3.85	-4.392	-0.0026	-2.5 to 2.5	Pass
					4.43	-3.505	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.815	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.930	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
	1732.5	100	0	50	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				20	3.27	-0.386	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
					4.43	0.200	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
	1745	100	0	40	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				20	3.27	-1.731	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
					4.43	-4.120	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-5.665	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-6.151	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass



16QAM				10	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
	1720	27	0	20	3.27	1.144	0.0007	-2.5 to 2.5	Pass
					3.85	1.402	0.0008	-2.5 to 2.5	Pass
					4.43	0.973	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				50	3.85	0.300	0.0002	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	-1.087	-0.0006	-2.5 to 2.5	Pass
					3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.43	0.601	0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.758	0.0004	-2.5 to 2.5	Pass
	1745	27	73	20	3.27	-3.633	-0.0021	-2.5 to 2.5	Pass
					3.85	-5.651	-0.0032	-2.5 to 2.5	Pass
					4.43	-3.519	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.748	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass



16QAM	1732.5	15	0	Refer To Test Graph	Pass
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3.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

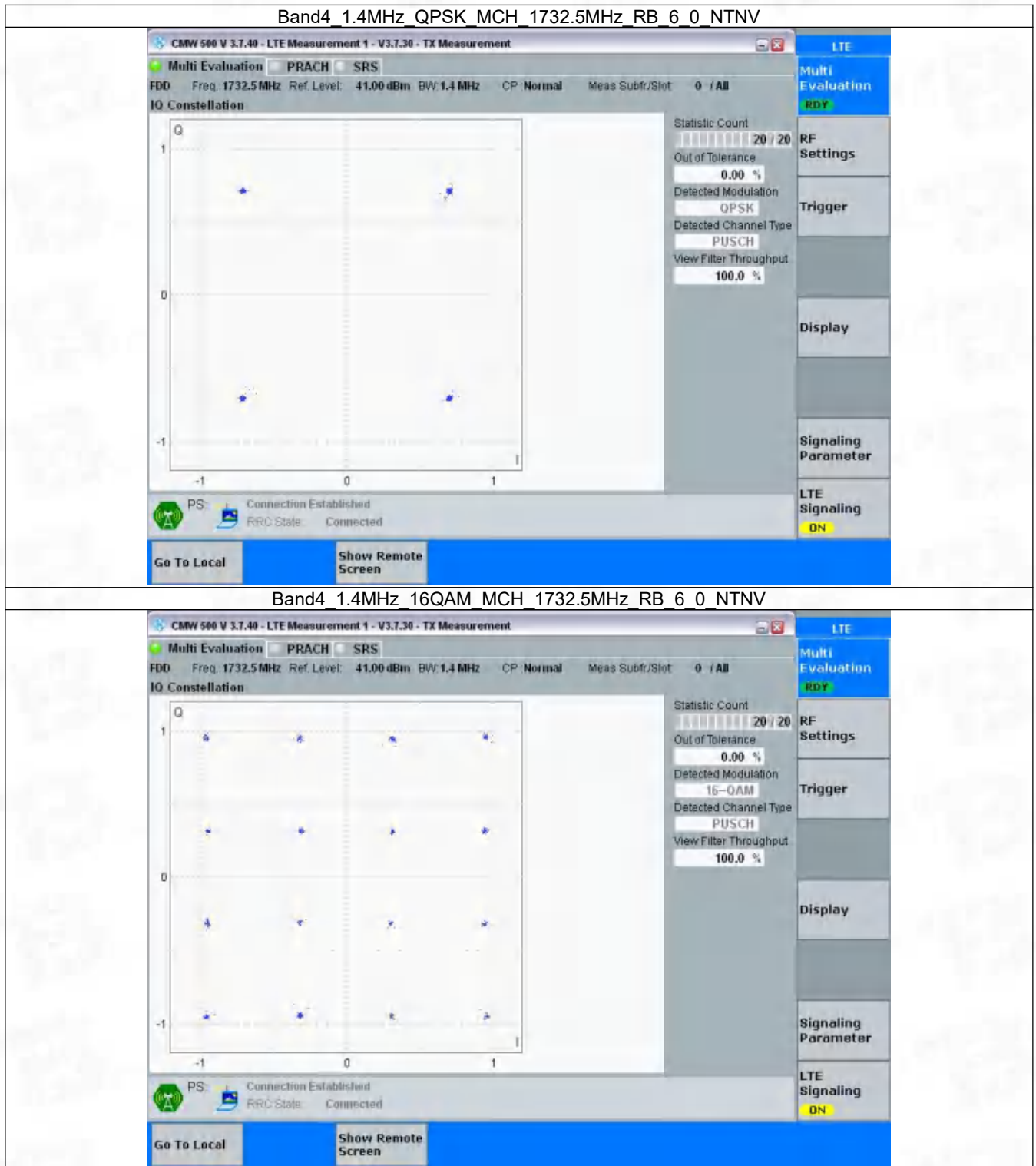
3.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass



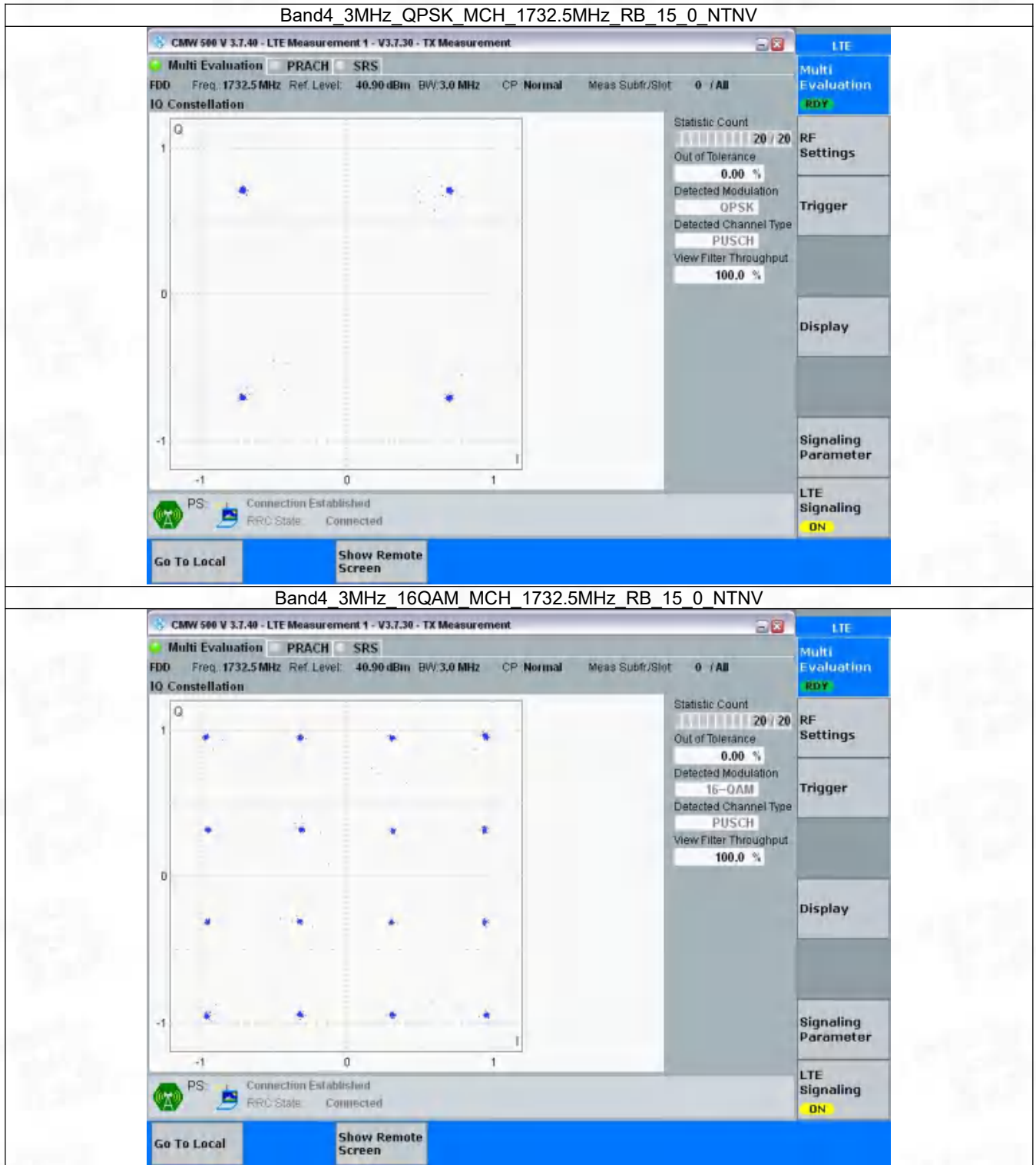
3.2 Test Graph

3.2.1 B4_1.4MHz



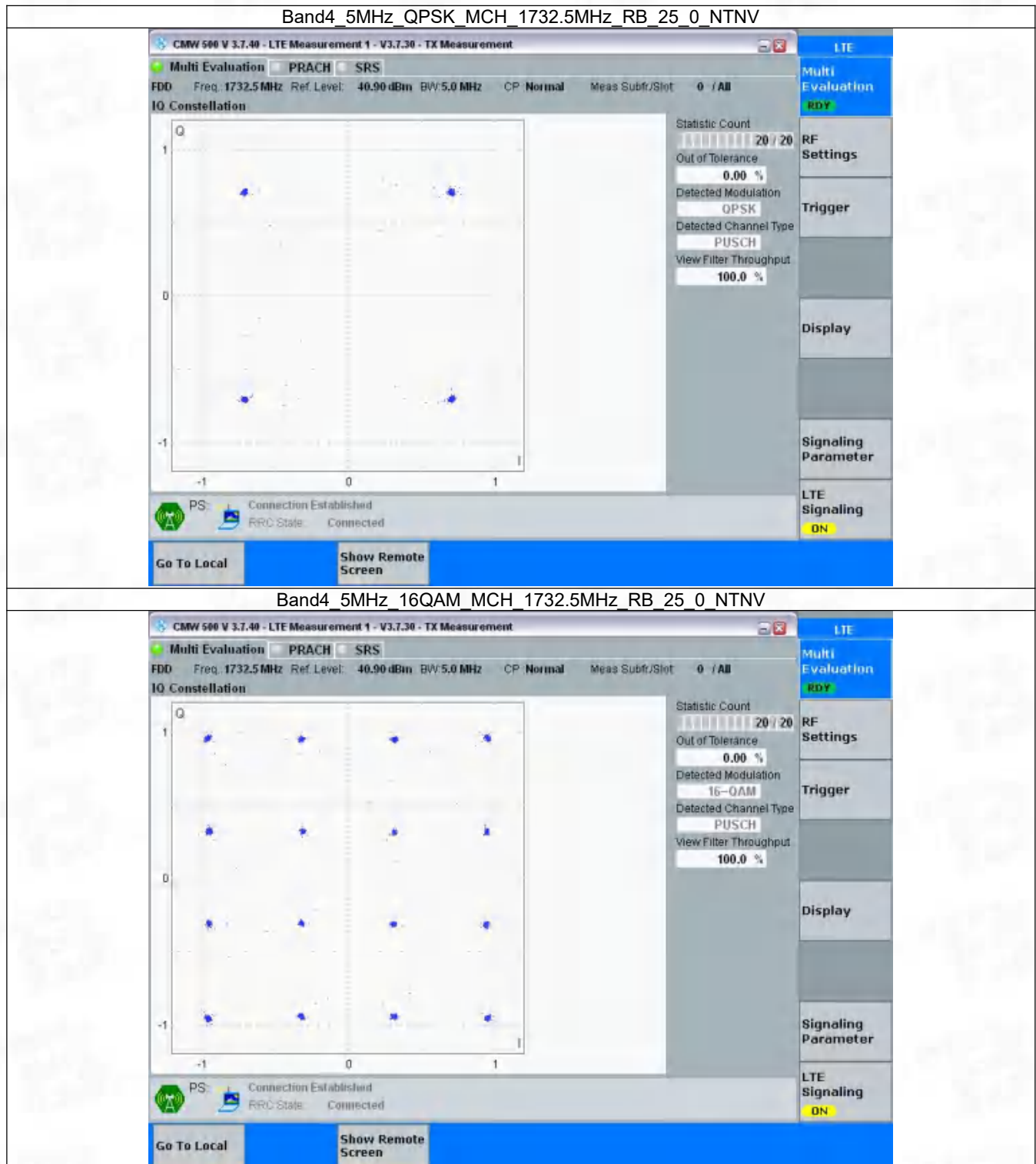


3.2.2 B4_3MHz

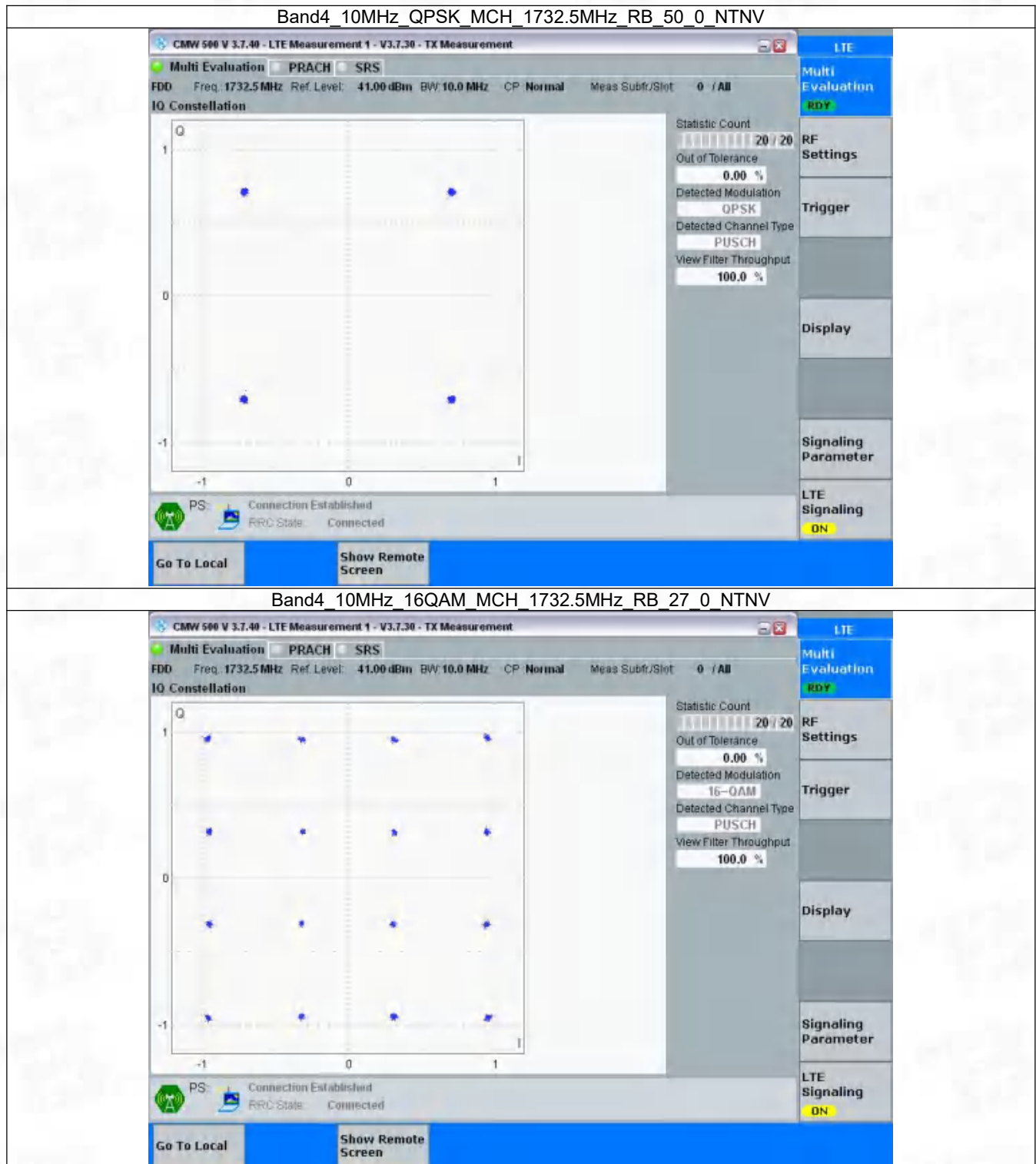




3.2.3 B4_5MHz

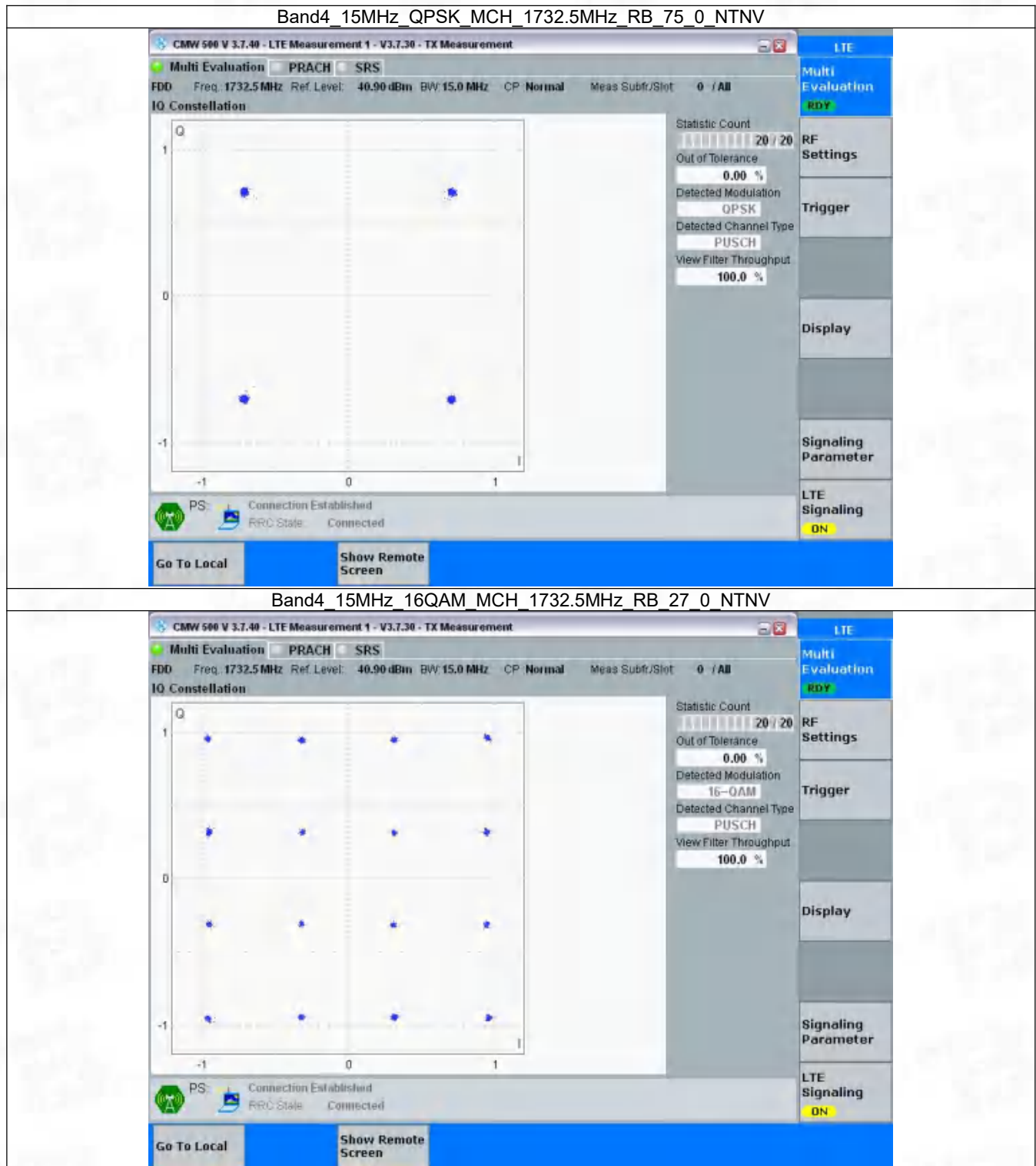


3.2.4 B4_10MHz



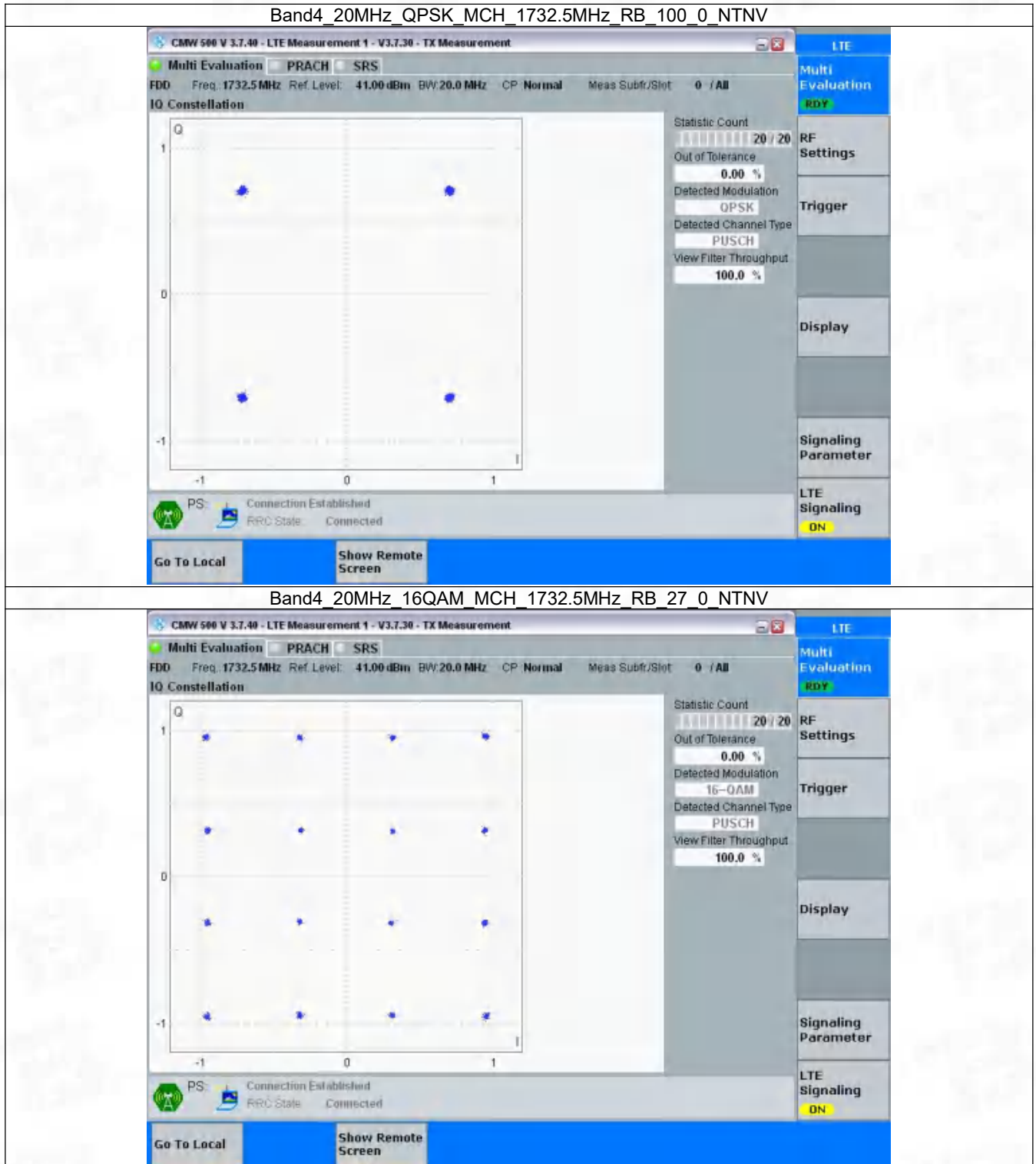


3.2.5 B4_15MHz





3.2.6 B4_20MHz





4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.107	/	Pass
		1732.5	6	0	1.109	/	Pass
		1754.3	6	0	1.108	/	Pass
	16QAM	1710.7	6	0	1.108	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.108	/	Pass
3	QPSK	1711.5	15	0	2.750	/	Pass
		1732.5	15	0	2.739	/	Pass
		1753.5	15	0	2.745	/	Pass
	16QAM	1711.5	15	0	2.735	/	Pass
		1732.5	15	0	2.733	/	Pass
		1753.5	15	0	2.753	/	Pass
5	QPSK	1712.5	25	0	4.551	/	Pass
		1732.5	25	0	4.562	/	Pass
		1752.5	25	0	4.556	/	Pass
	16QAM	1712.5	25	0	4.547	/	Pass
		1732.5	25	0	4.561	/	Pass
		1752.5	25	0	4.549	/	Pass
10	QPSK	1715	50	0	9.069	/	Pass
		1732.5	50	0	9.086	/	Pass
		1750	50	0	9.068	/	Pass
	16QAM	1715	27	0	5.101	/	Pass
		1732.5	27	0	5.107	/	Pass
		1750	27	23	5.107	/	Pass
15	QPSK	1717.5	75	0	13.668	/	Pass
		1732.5	75	0	13.644	/	Pass
		1747.5	75	0	13.621	/	Pass
	16QAM	1717.5	27	0	5.398	/	Pass
		1732.5	27	0	5.396	/	Pass
		1747.5	27	48	6.393	/	Pass
20	QPSK	1720	100	0	18.144	/	Pass
		1732.5	100	0	18.140	/	Pass
		1745	100	0	18.134	/	Pass
	16QAM	1720	27	0	5.733	/	Pass
		1732.5	27	0	18.161	/	Pass
		1745	27	73	8.745	/	Pass

4.1.2 Band4_XDB

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.327	/	Pass
		1732.5	6	0	1.328	/	Pass
		1754.3	6	0	1.338	/	Pass
	16QAM	1710.7	6	0	1.308	/	Pass
		1710.7	6	0	1.308	/	Pass

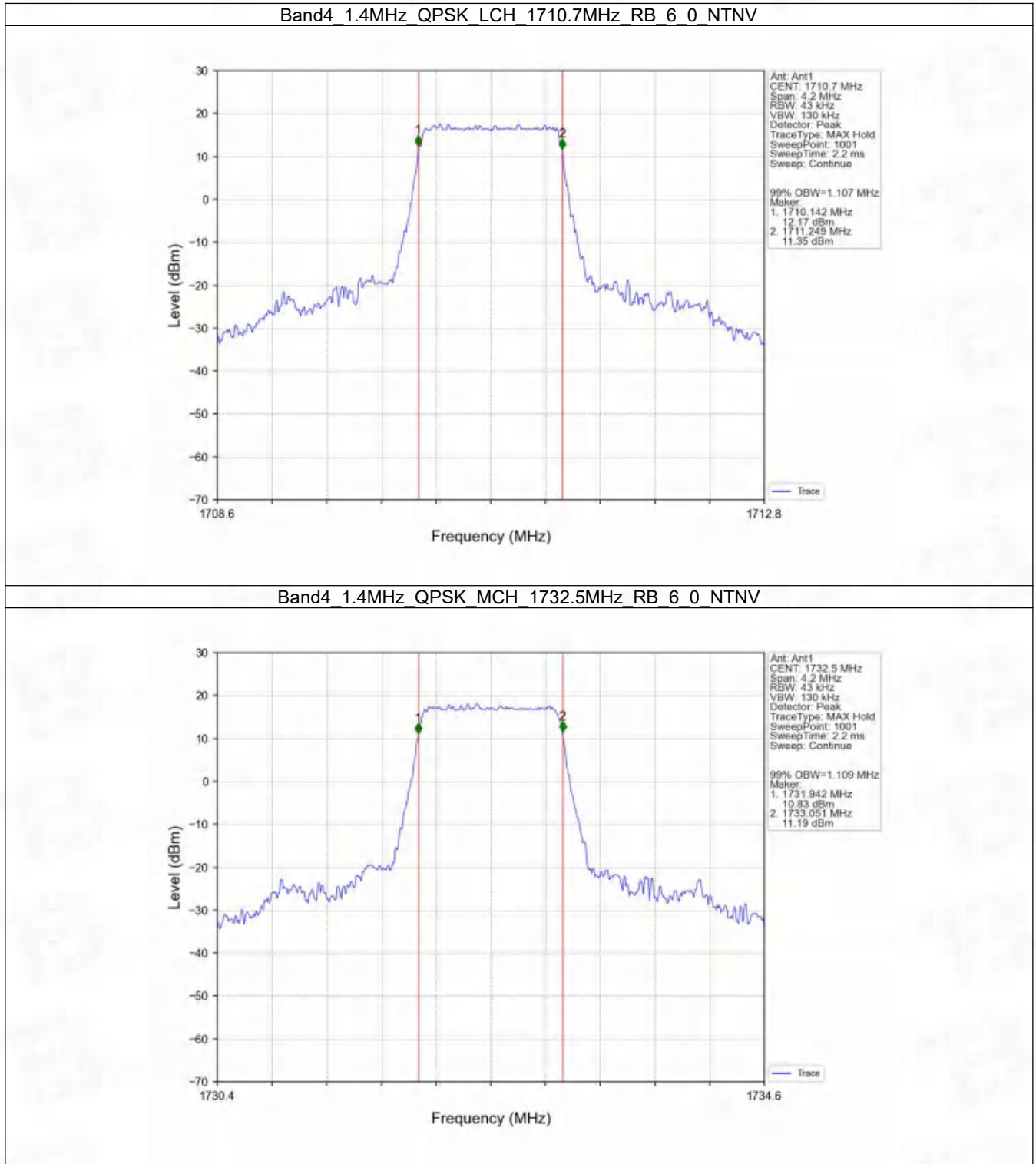


		1732.5	6	0	1.335	/	Pass
		1754.3	6	0	1.327	/	Pass
3	QPSK	1711.5	15	0	3.048	/	Pass
		1732.5	15	0	3.048	/	Pass
		1753.5	15	0	3.052	/	Pass
	16QAM	1711.5	15	0	3.051	/	Pass
		1732.5	15	0	3.026	/	Pass
		1753.5	15	0	3.061	/	Pass
5	QPSK	1712.5	25	0	5.128	/	Pass
		1732.5	25	0	5.149	/	Pass
		1752.5	25	0	5.118	/	Pass
	16QAM	1712.5	25	0	5.074	/	Pass
		1732.5	25	0	5.085	/	Pass
		1752.5	25	0	5.088	/	Pass
10	QPSK	1715	50	0	10.343	/	Pass
		1732.5	50	0	10.293	/	Pass
		1750	50	0	10.311	/	Pass
	16QAM	1715	27	0	6.352	/	Pass
		1732.5	27	0	6.824	/	Pass
		1750	27	23	6.229	/	Pass
15	QPSK	1717.5	75	0	15.651	/	Pass
		1732.5	75	0	15.688	/	Pass
		1747.5	75	0	15.378	/	Pass
	16QAM	1717.5	27	0	7.455	/	Pass
		1732.5	27	0	7.269	/	Pass
		1747.5	27	48	14.119	/	Pass
20	QPSK	1720	100	0	20.403	/	Pass
		1732.5	100	0	20.457	/	Pass
		1745	100	0	20.530	/	Pass
	16QAM	1720	27	0	7.721	/	Pass
		1732.5	27	0	20.215	/	Pass
		1745	27	73	16.527	/	Pass



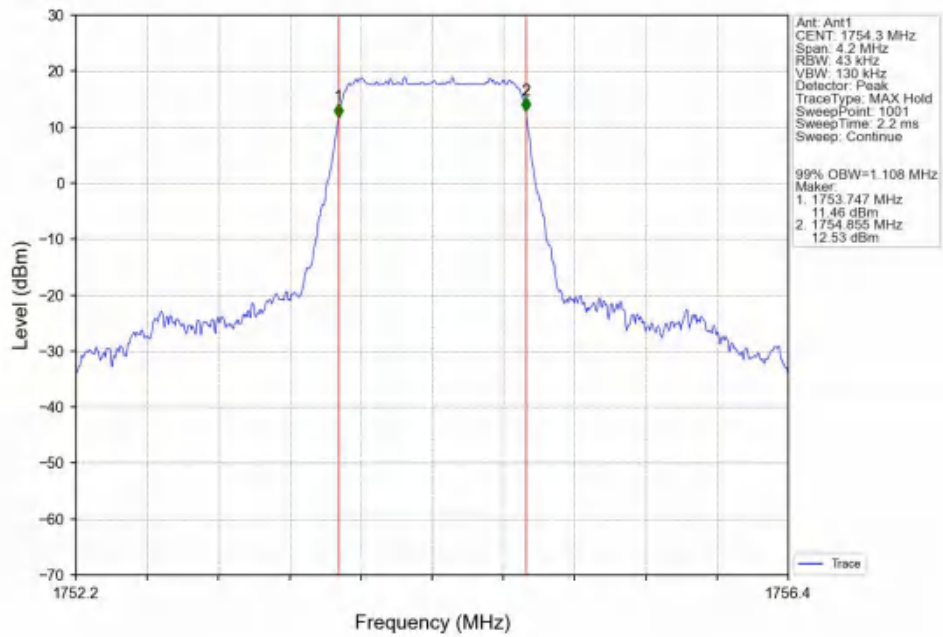
4.2 Test Graph

4.2.1 Band4_OBW

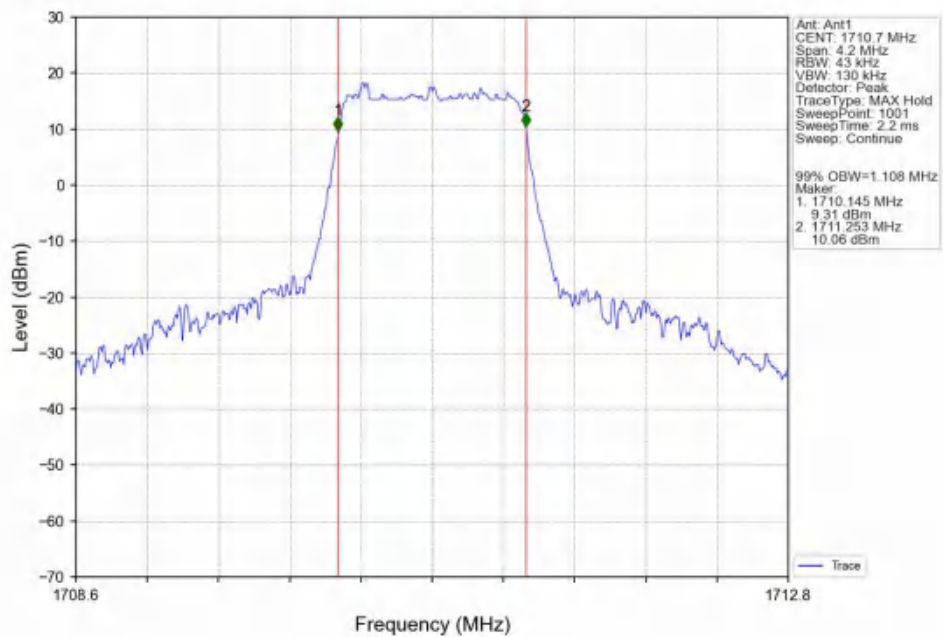




Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

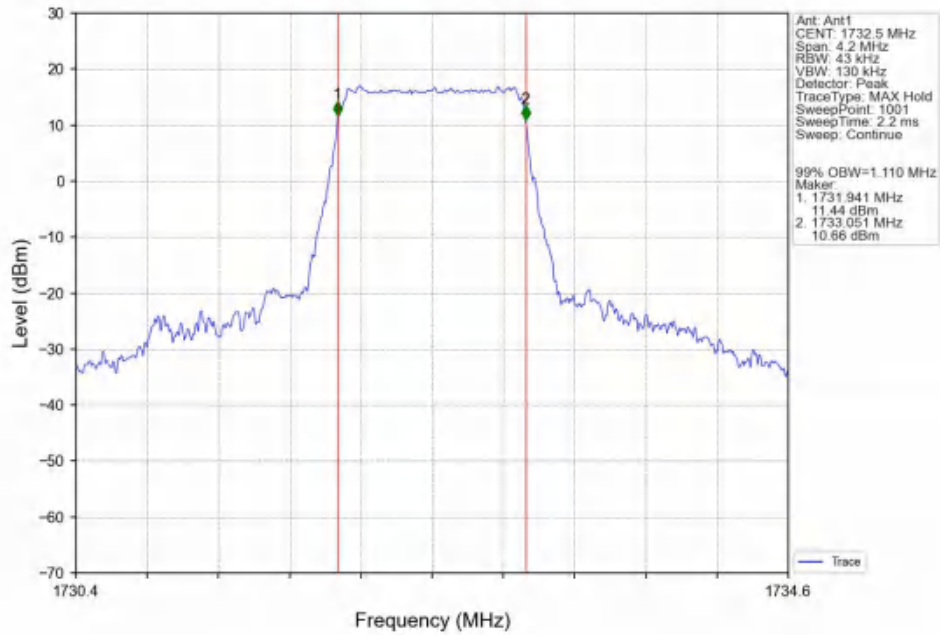


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

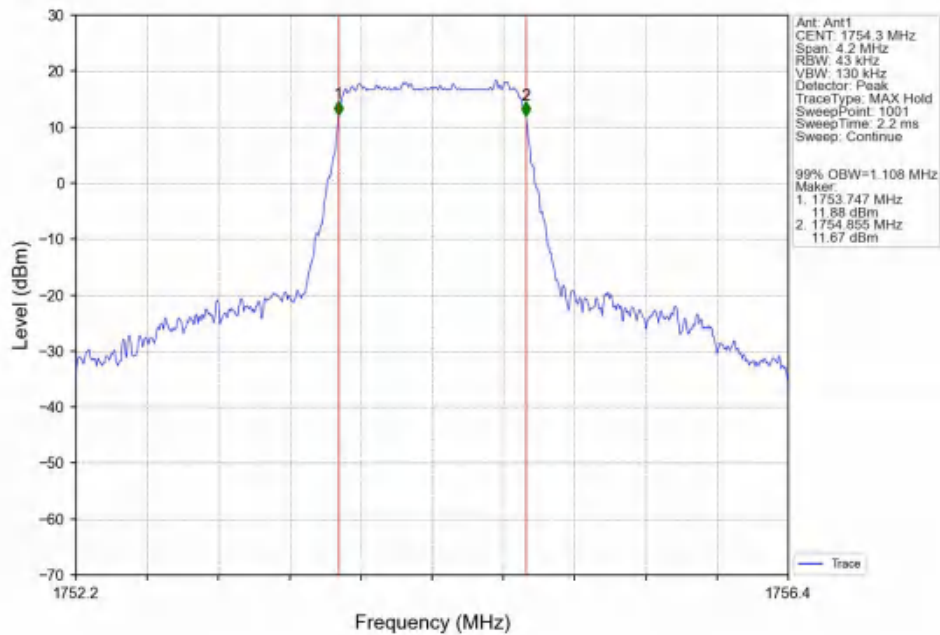




Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

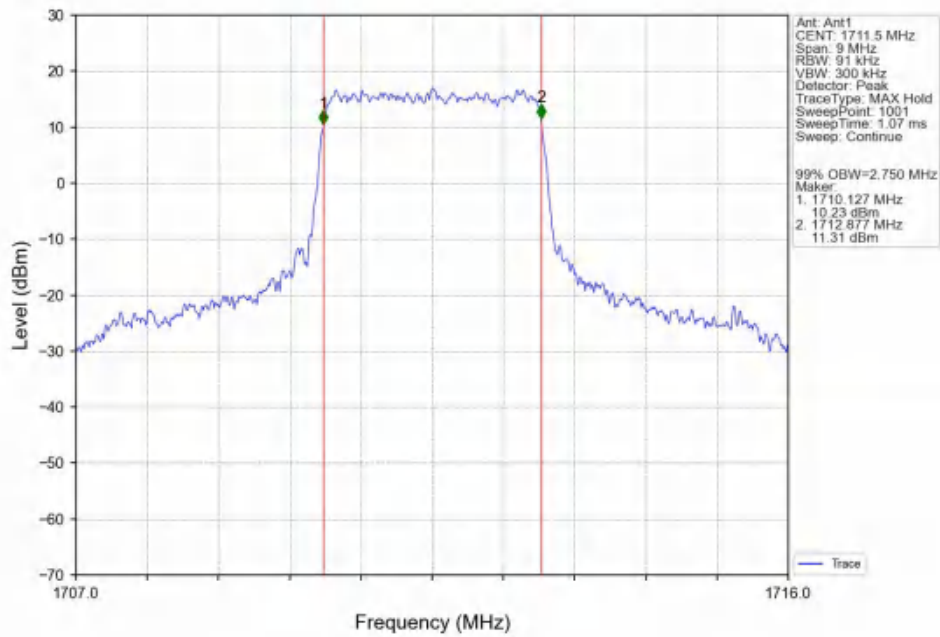


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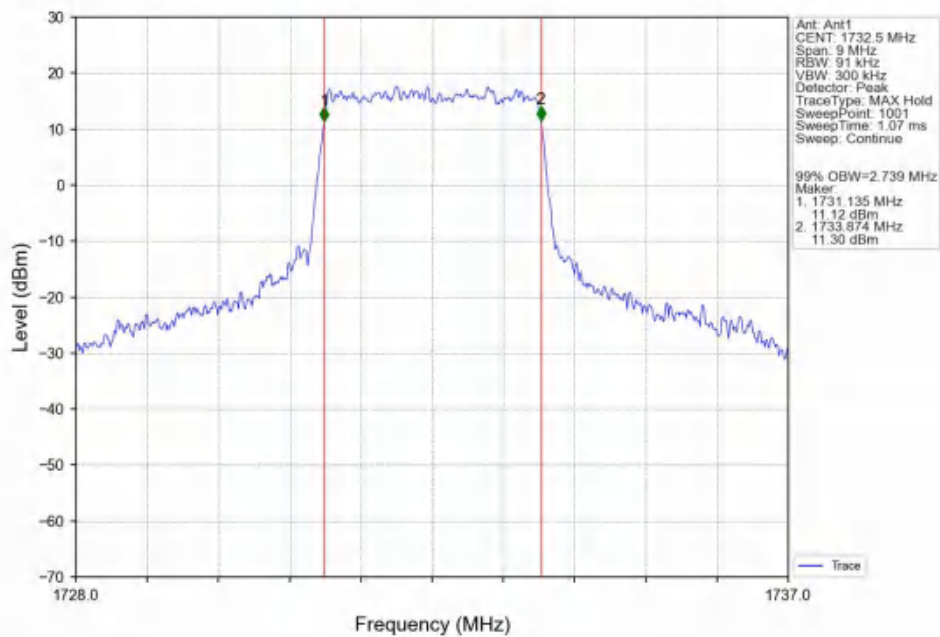




Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

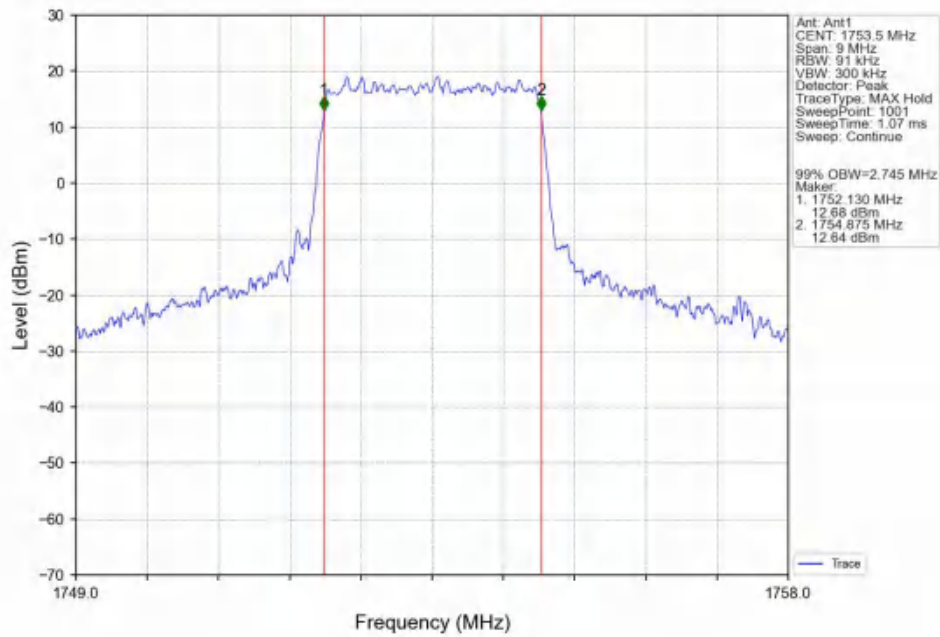


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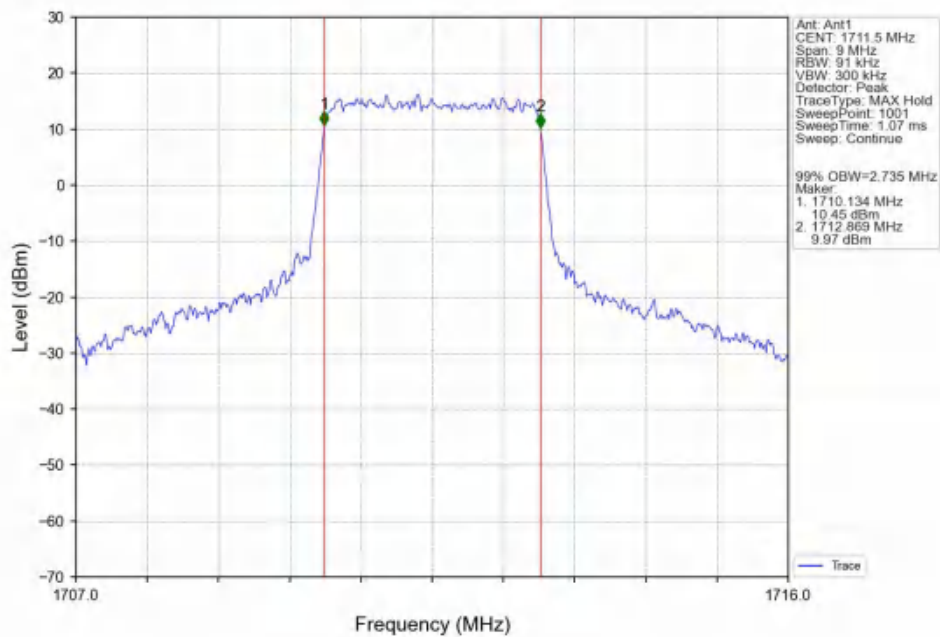




Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

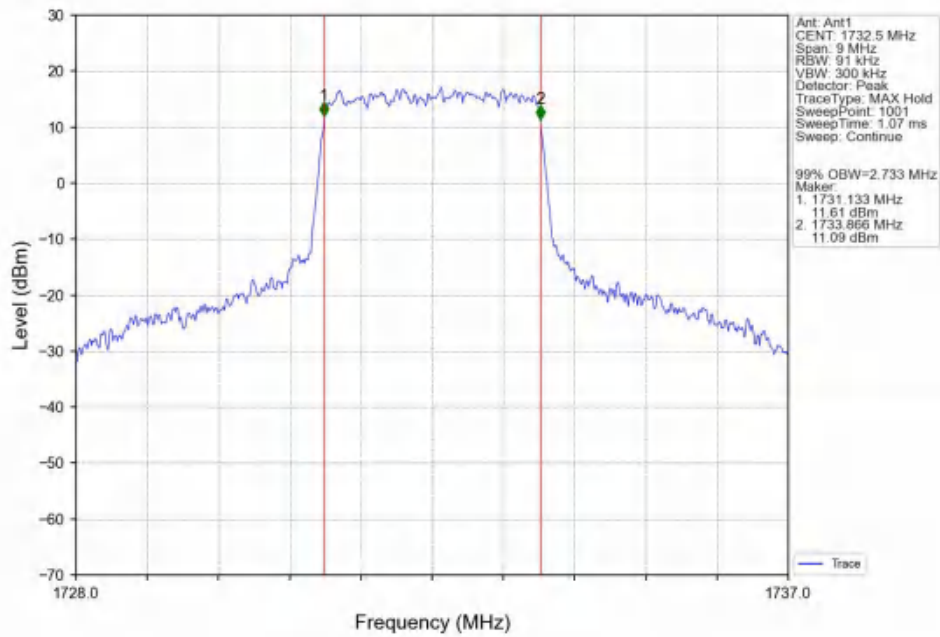


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

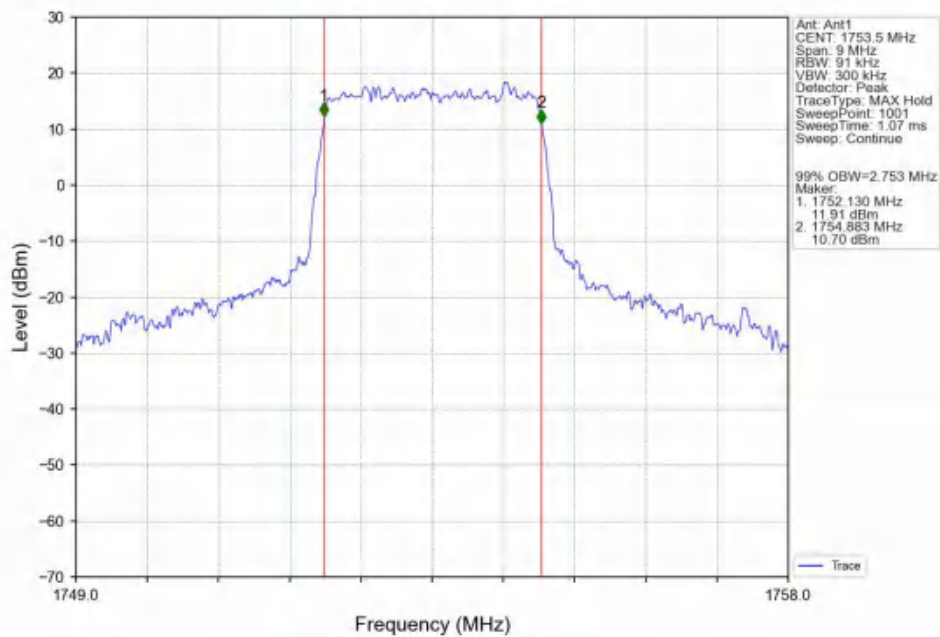




Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

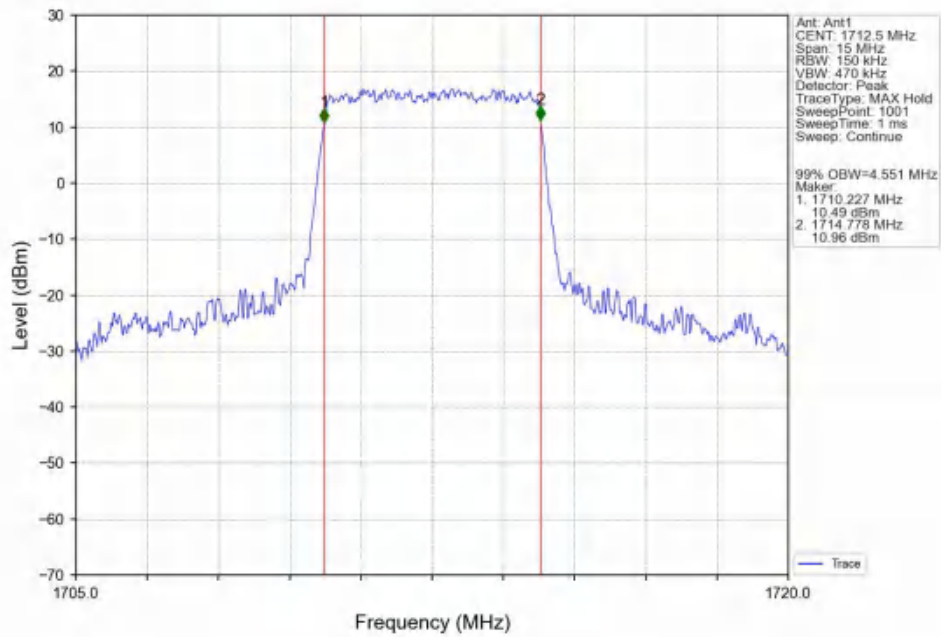


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

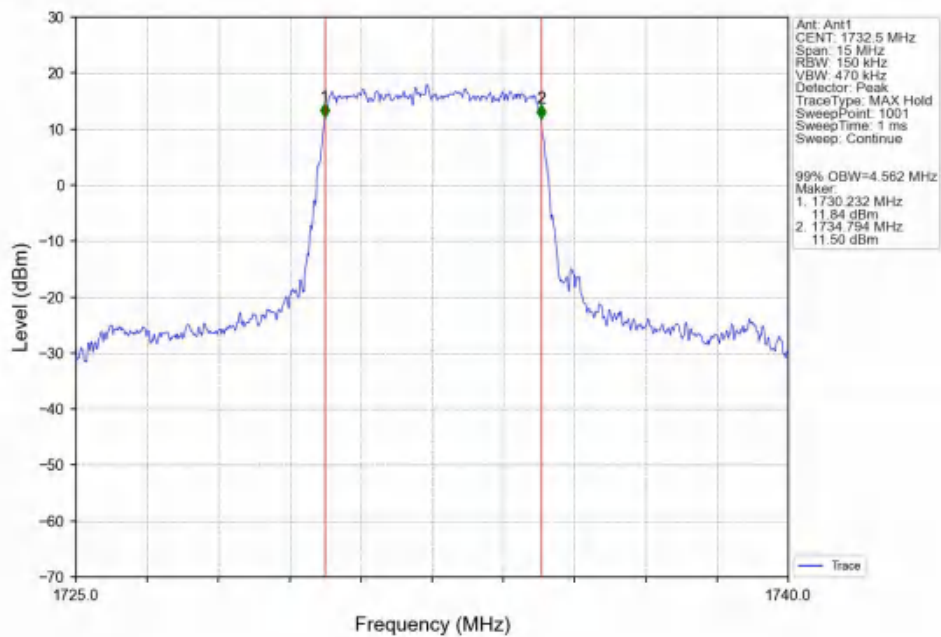




Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

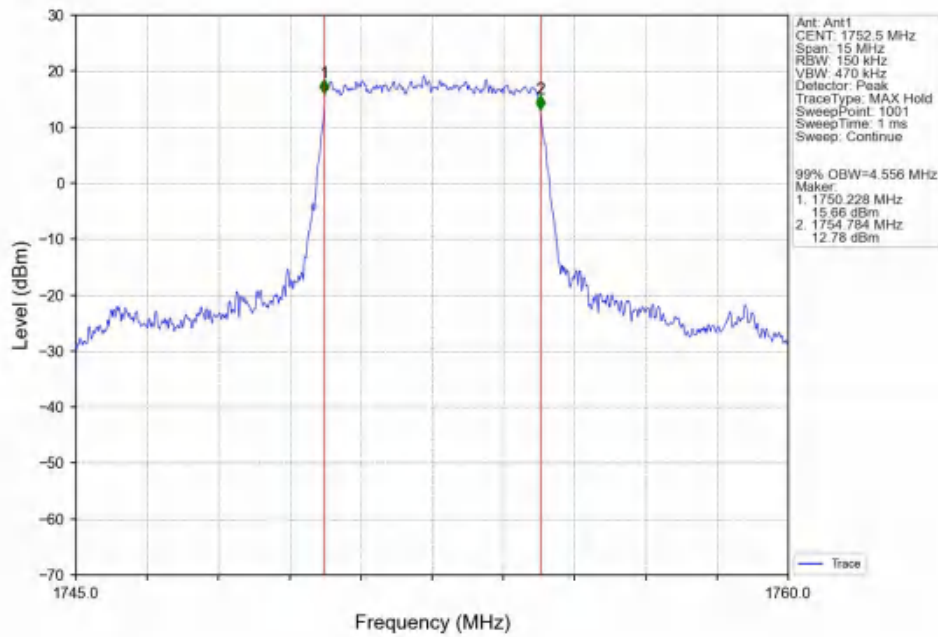


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

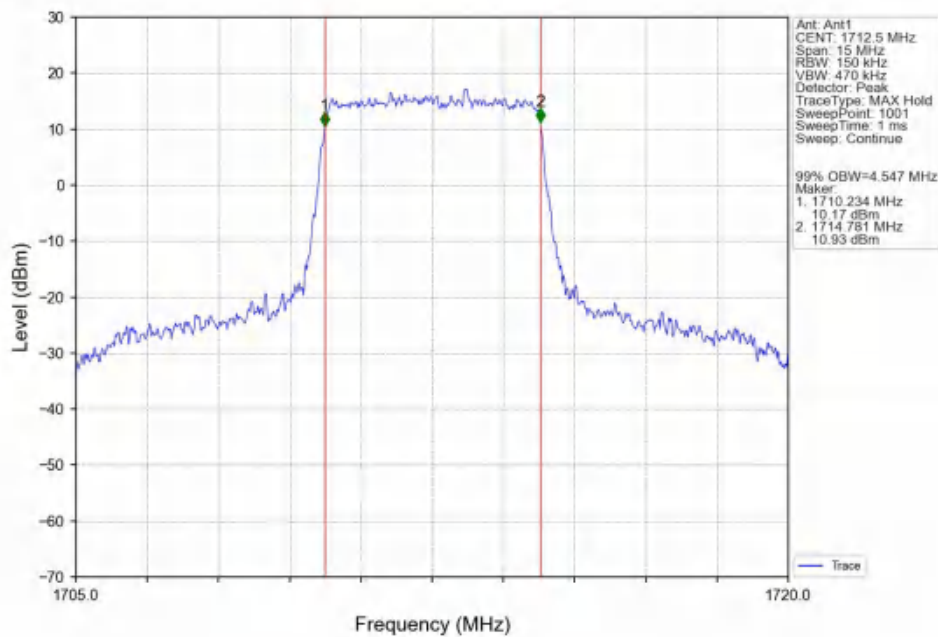




Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

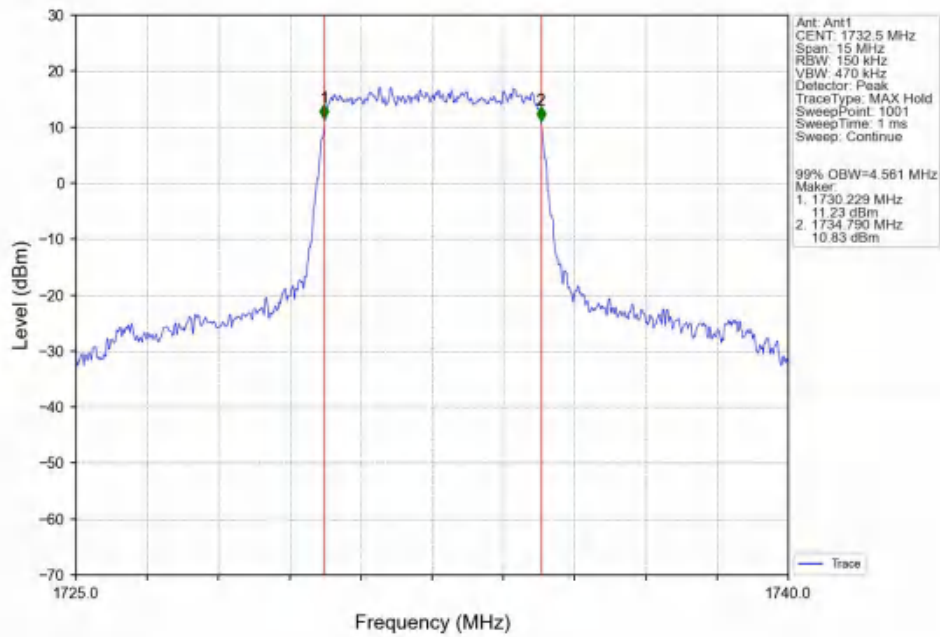


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

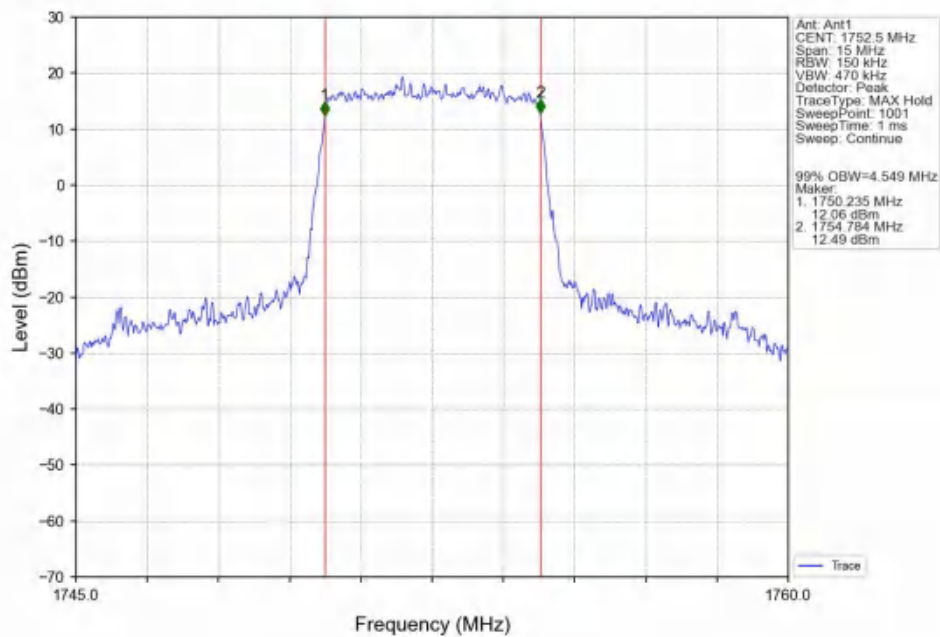




Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

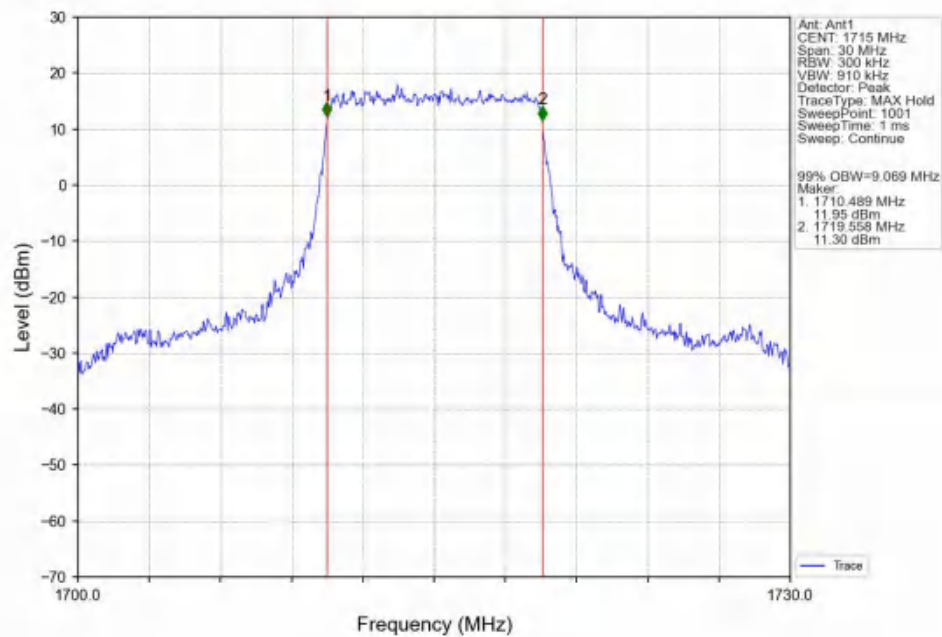


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

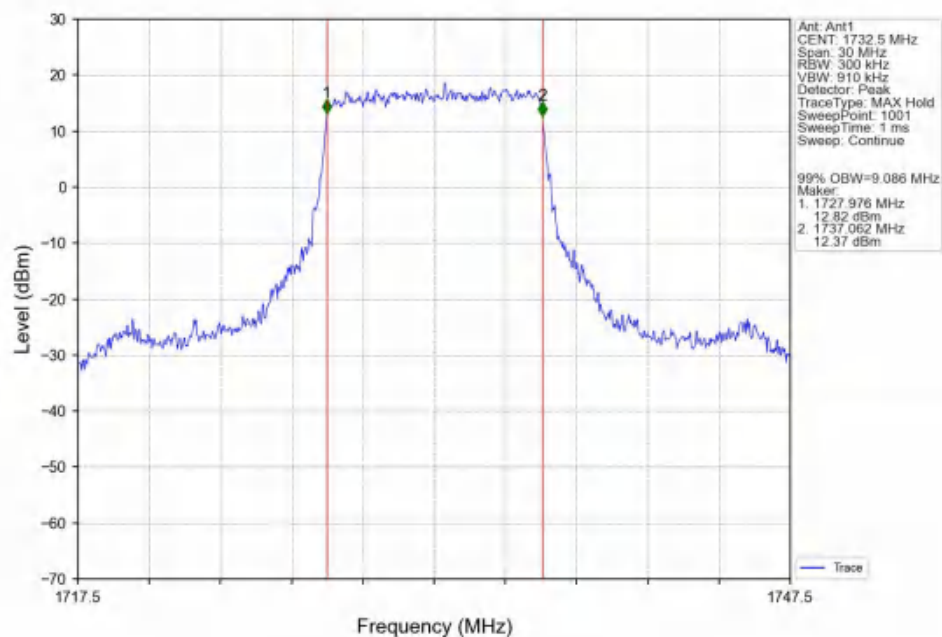




Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

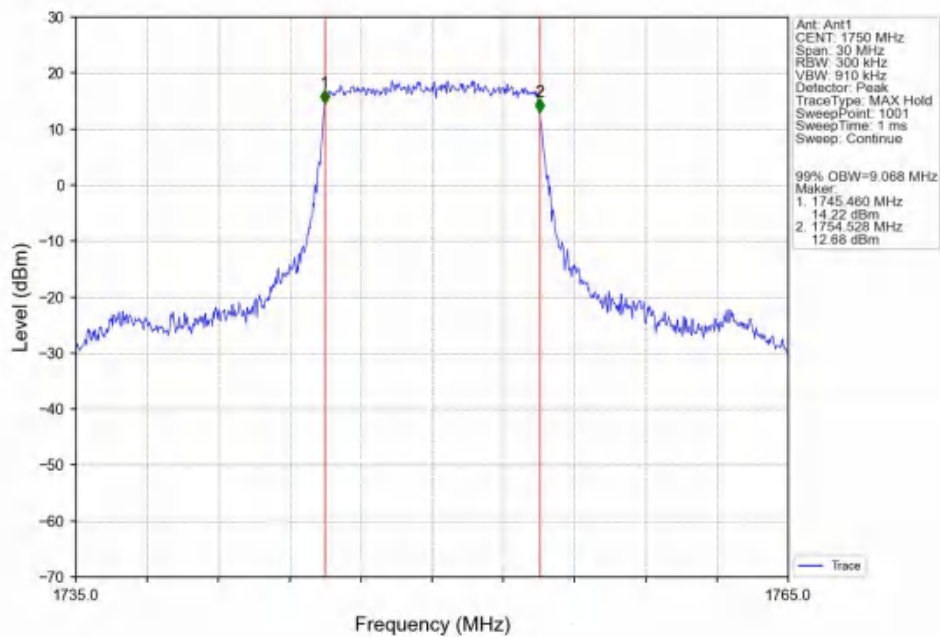


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

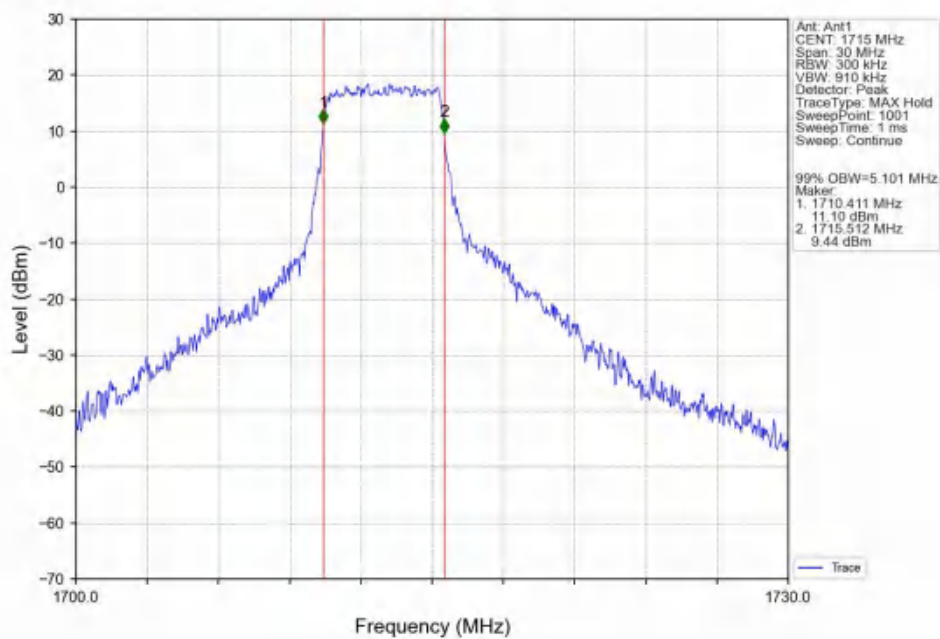




Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

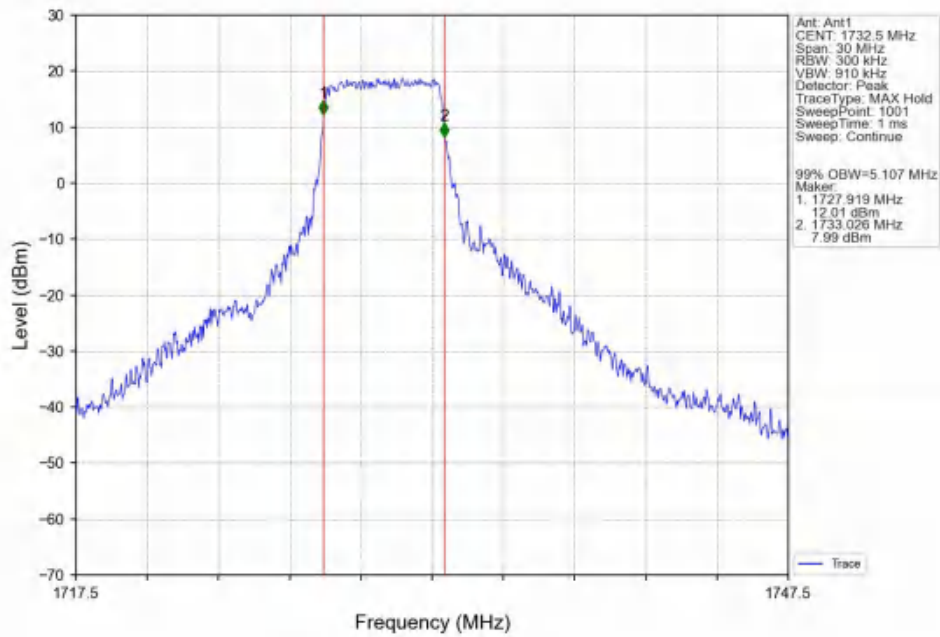


Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV

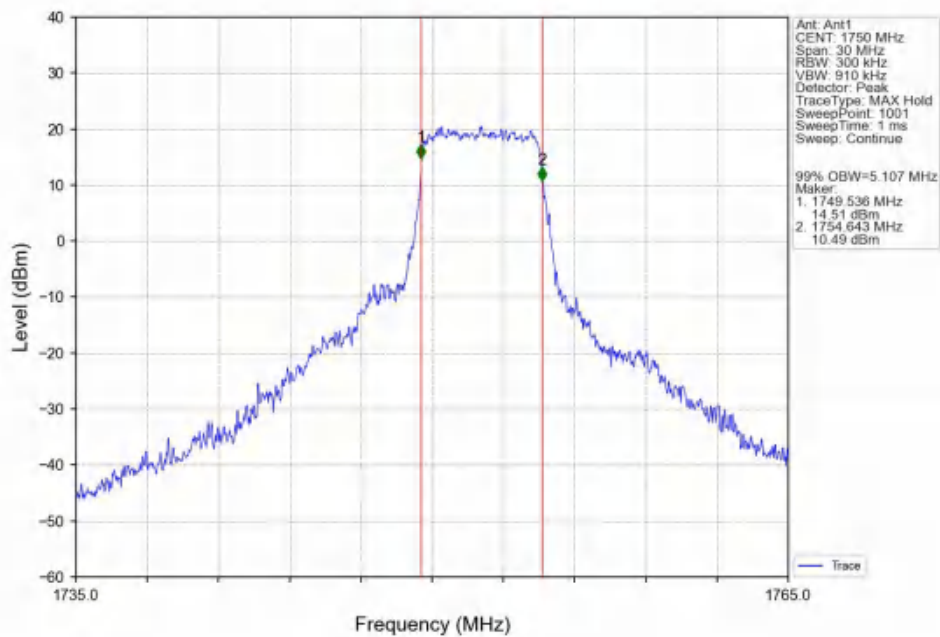




Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

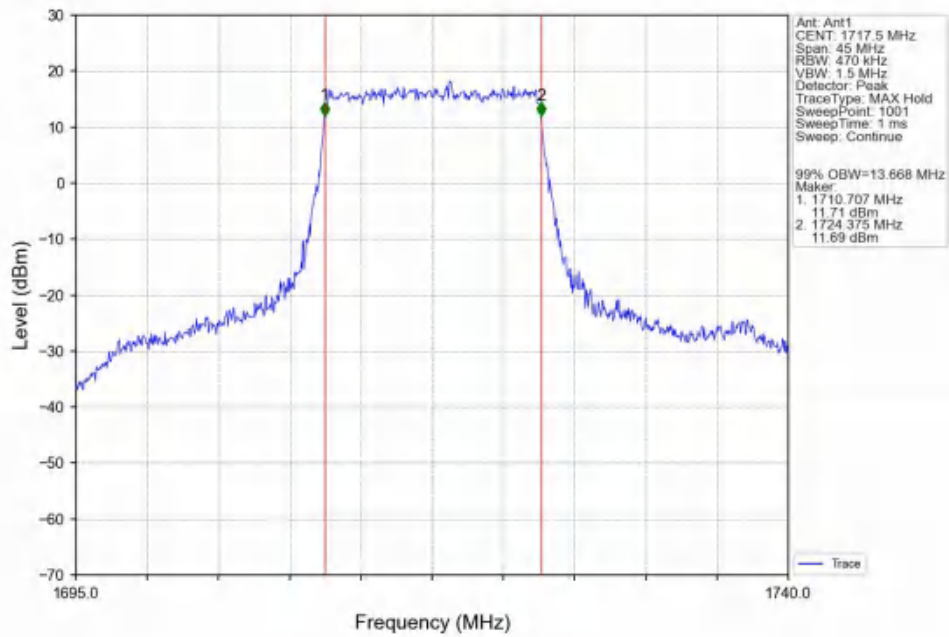


Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV

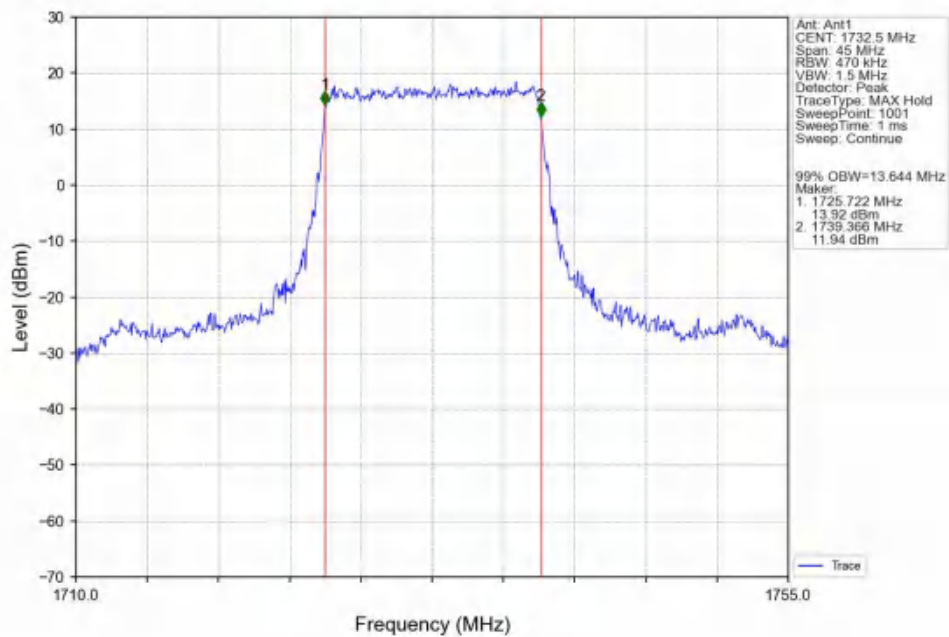




Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

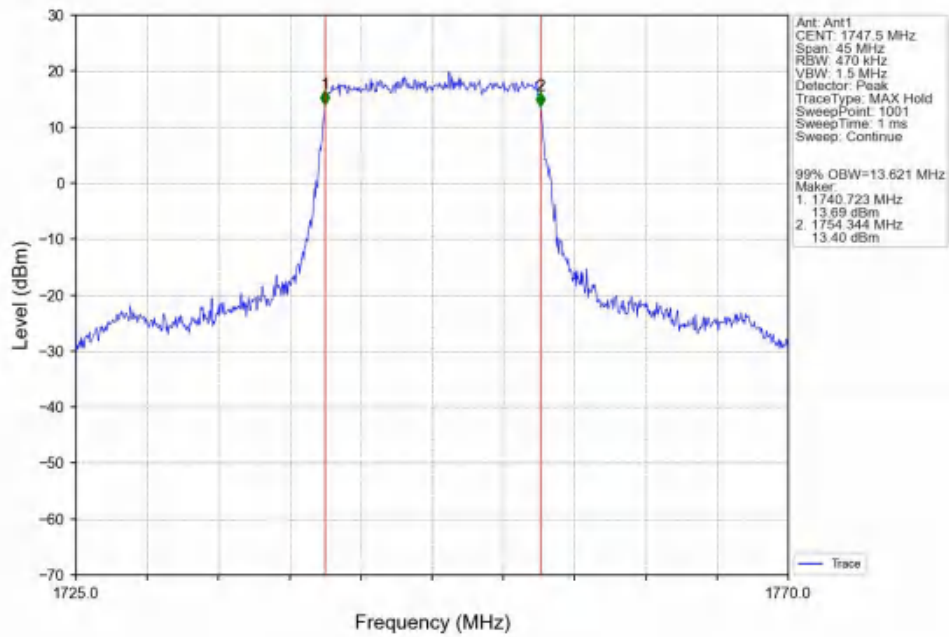


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

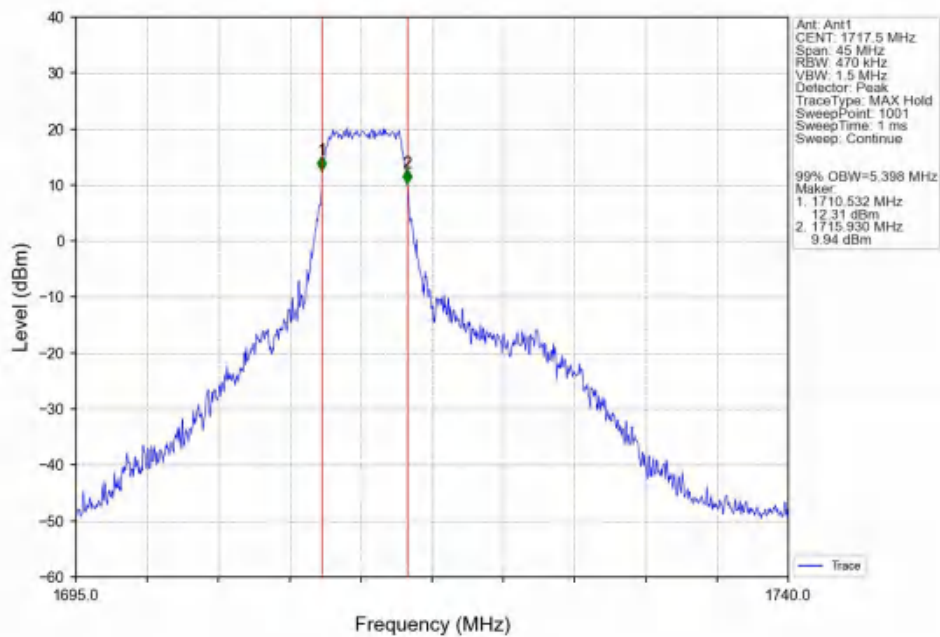




Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

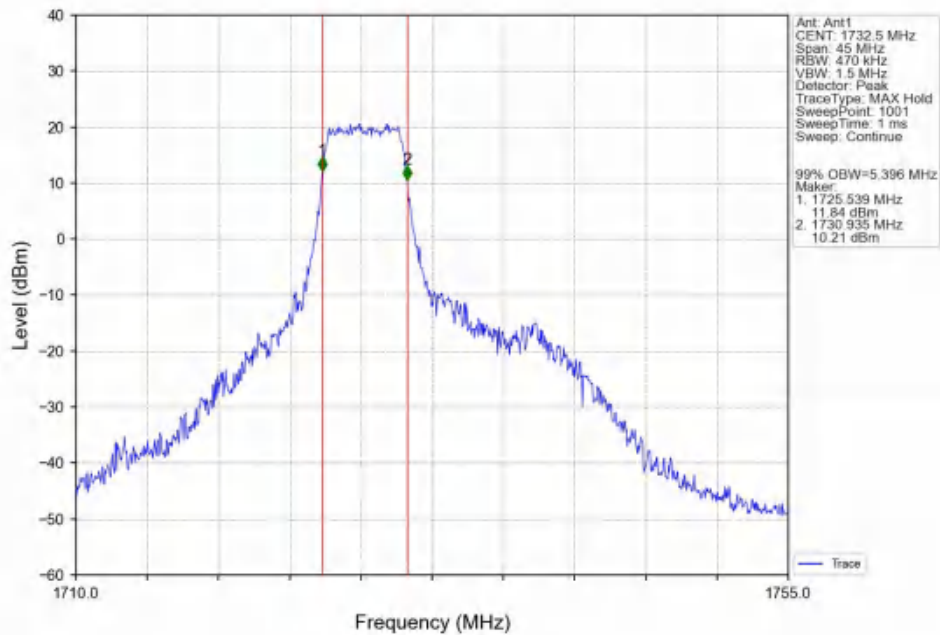


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV

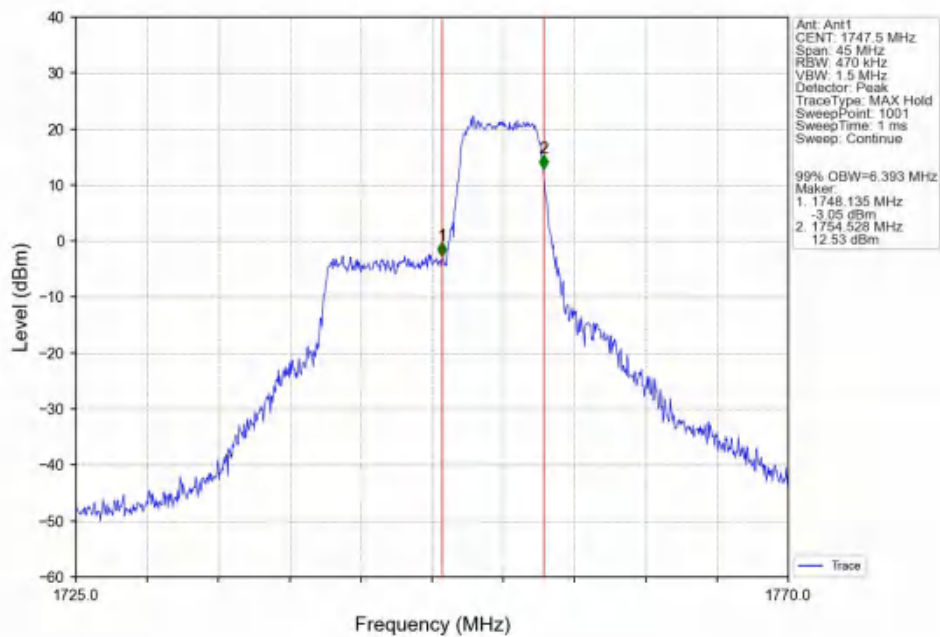




Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

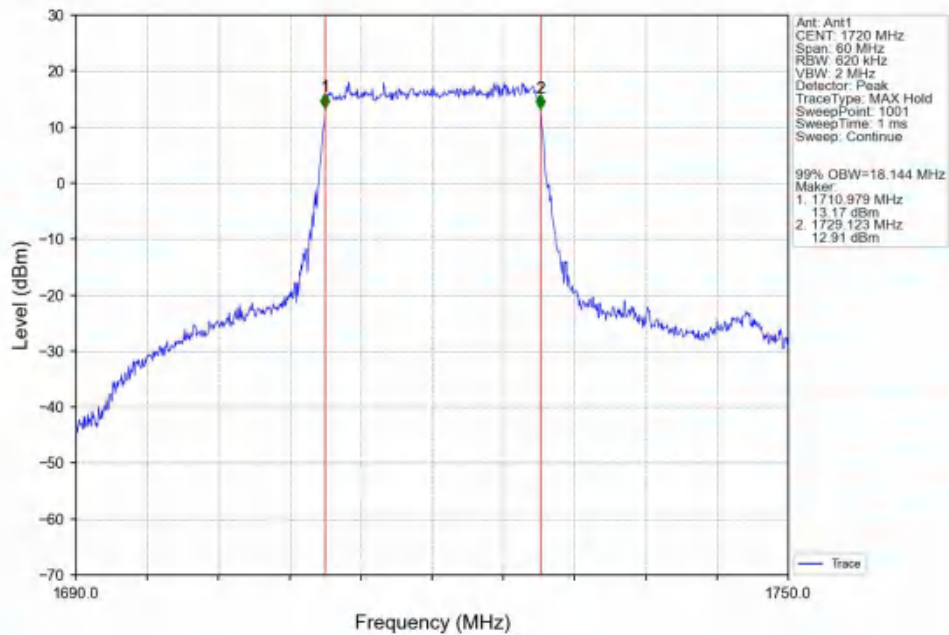


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV

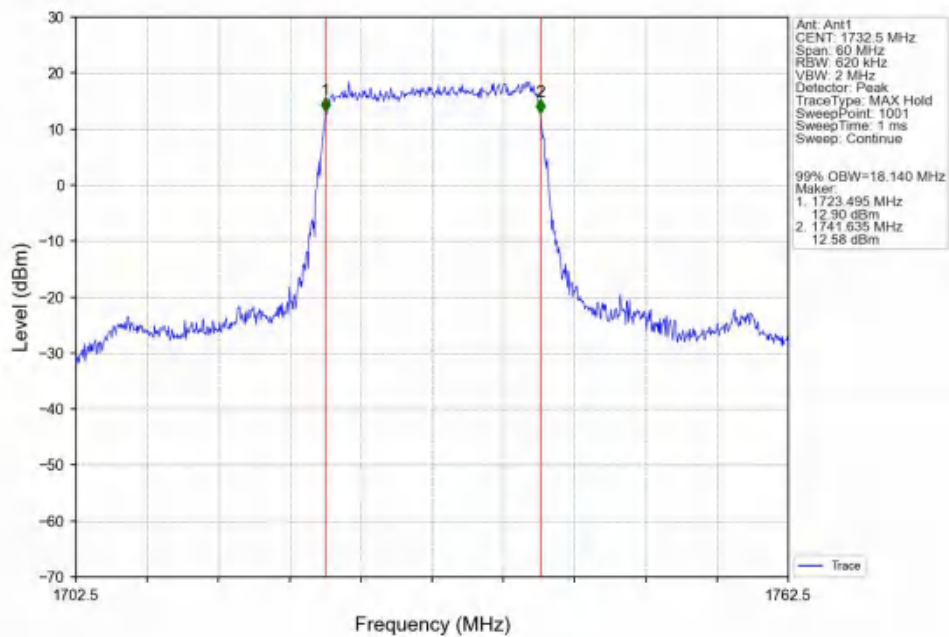




Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

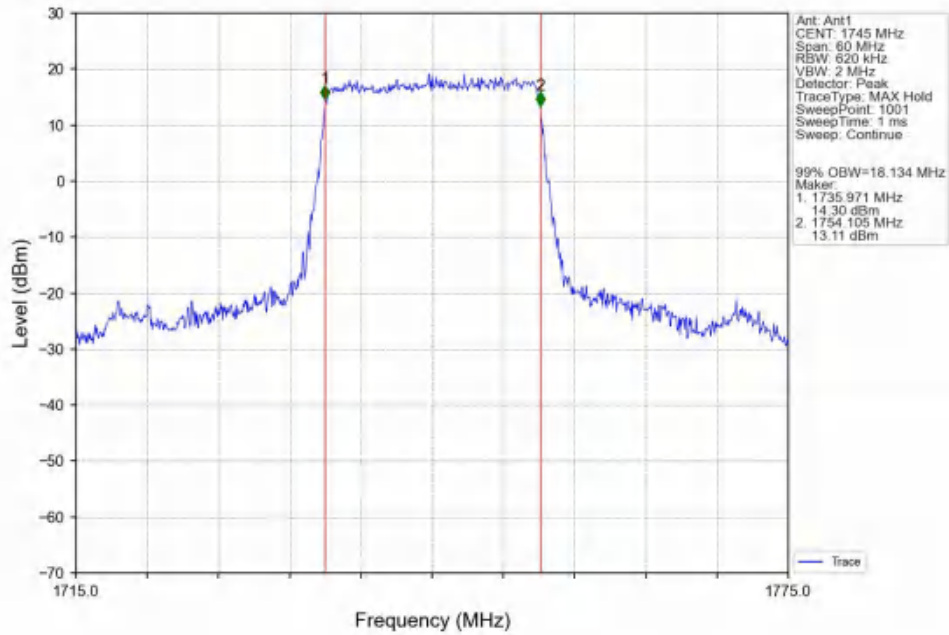


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

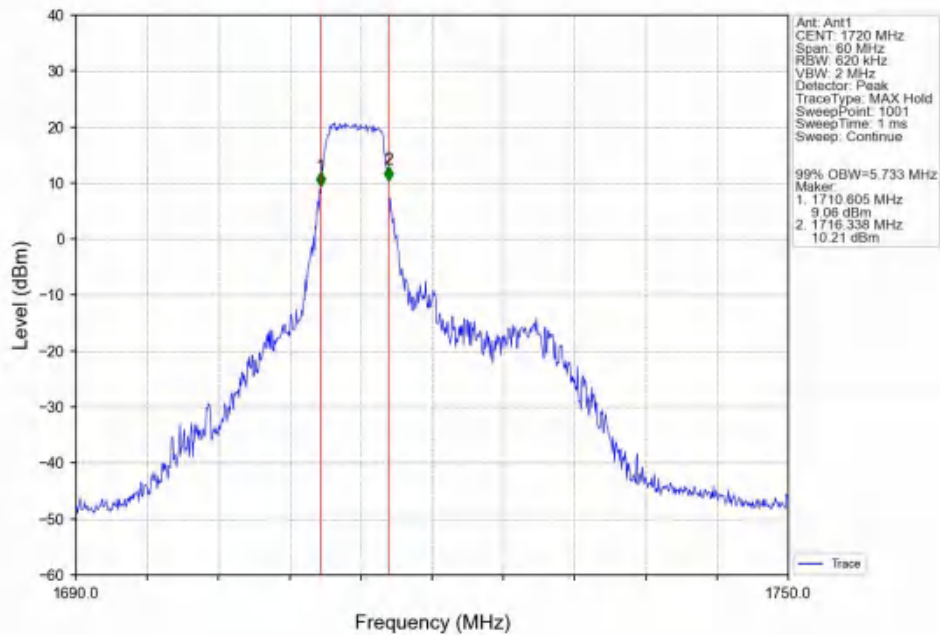




Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

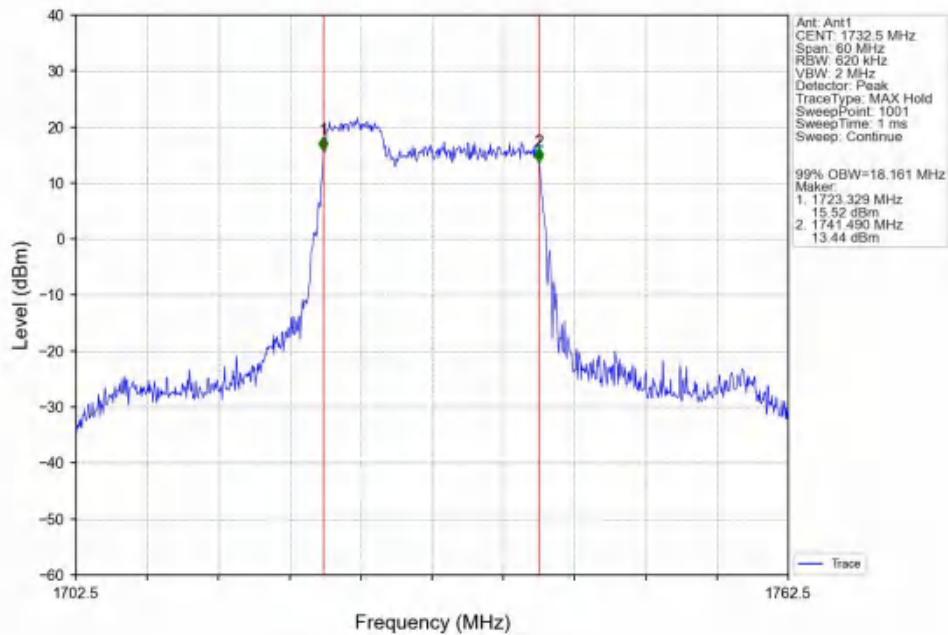


Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV

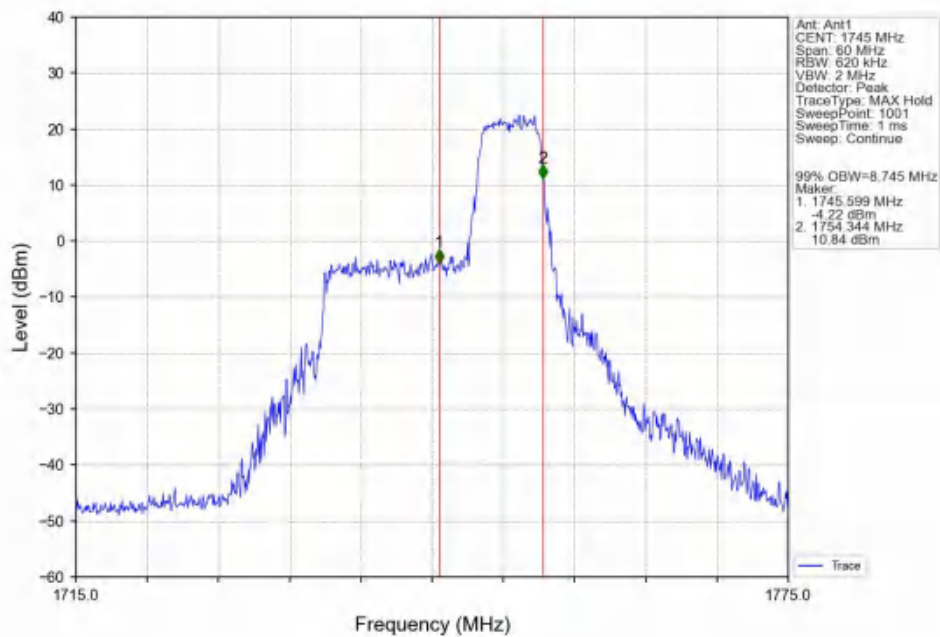




Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

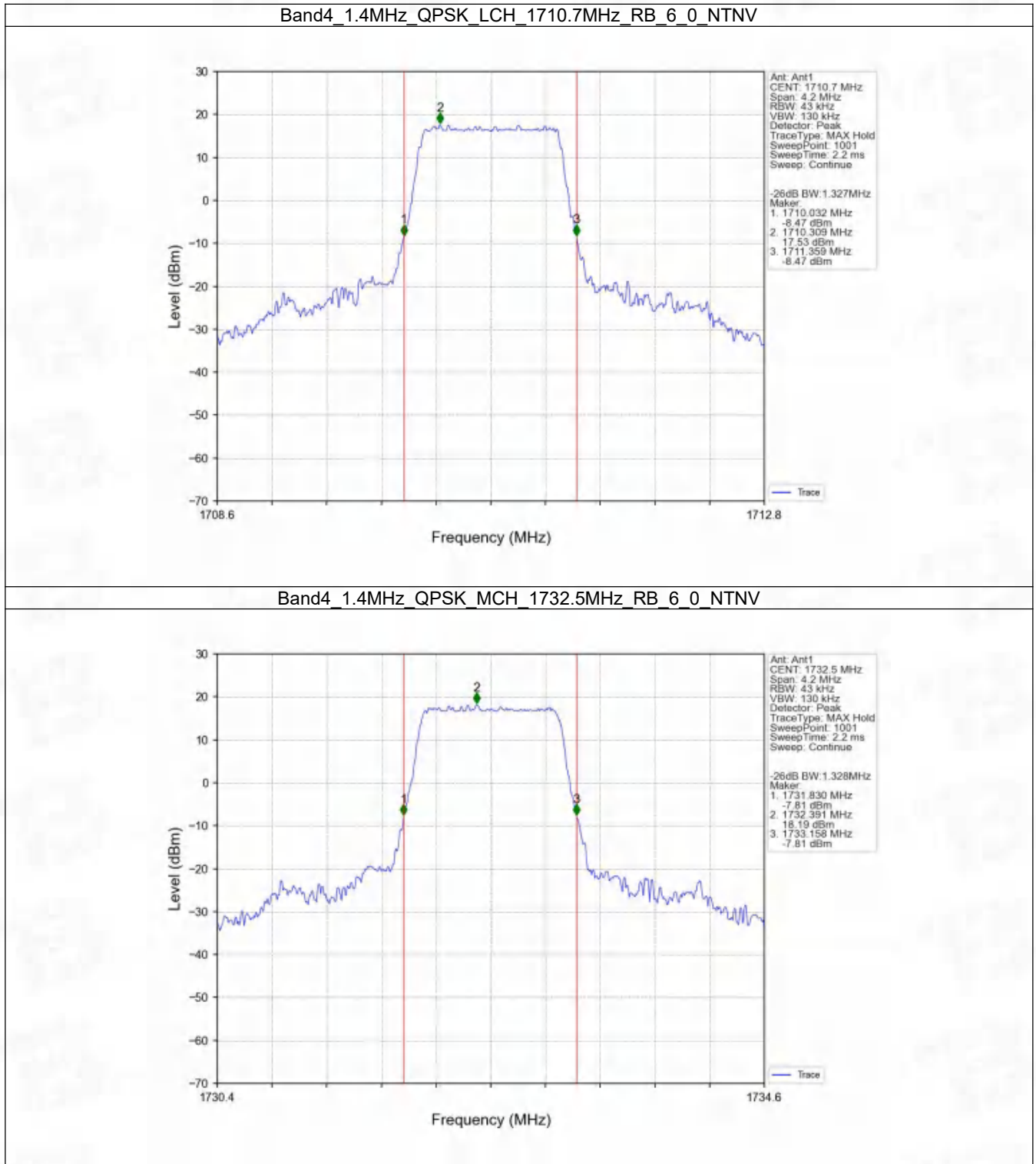


Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



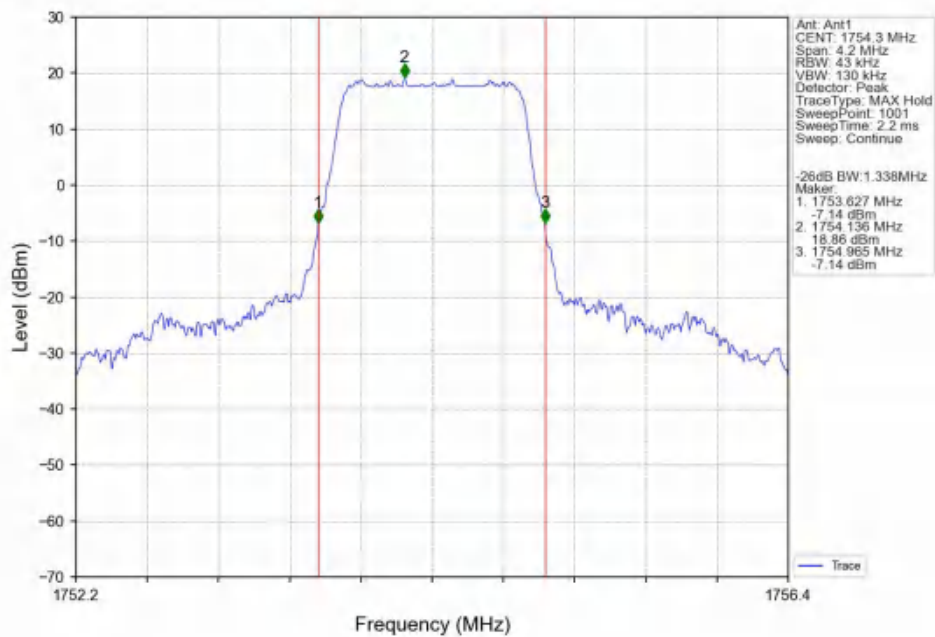


4.2.2 Band4_XDB

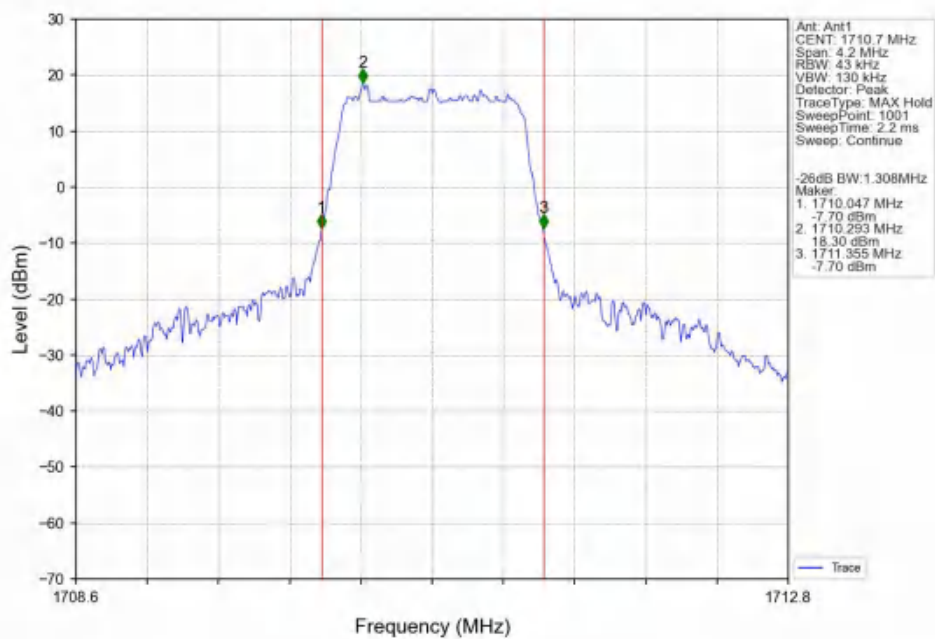




Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

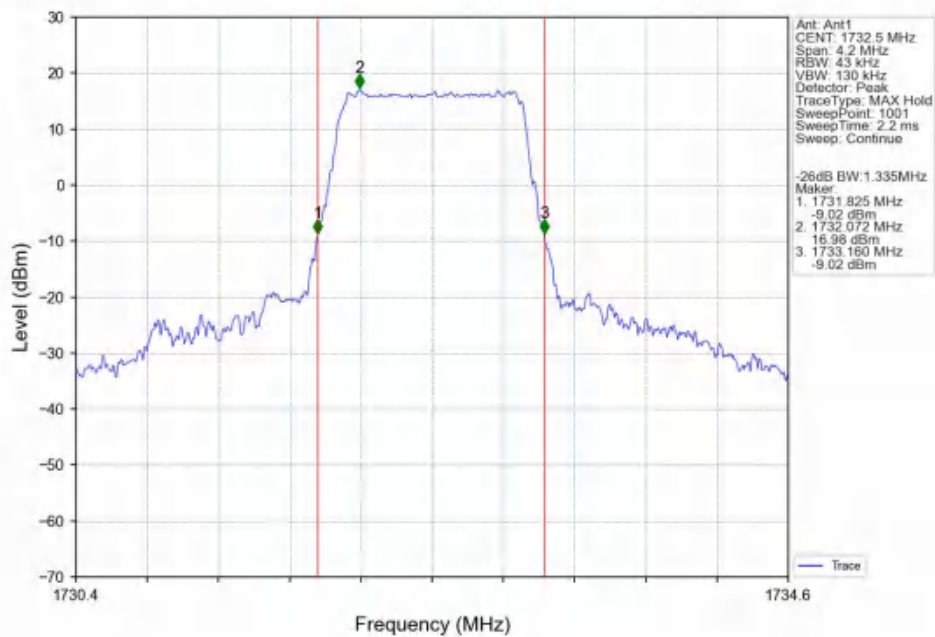


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

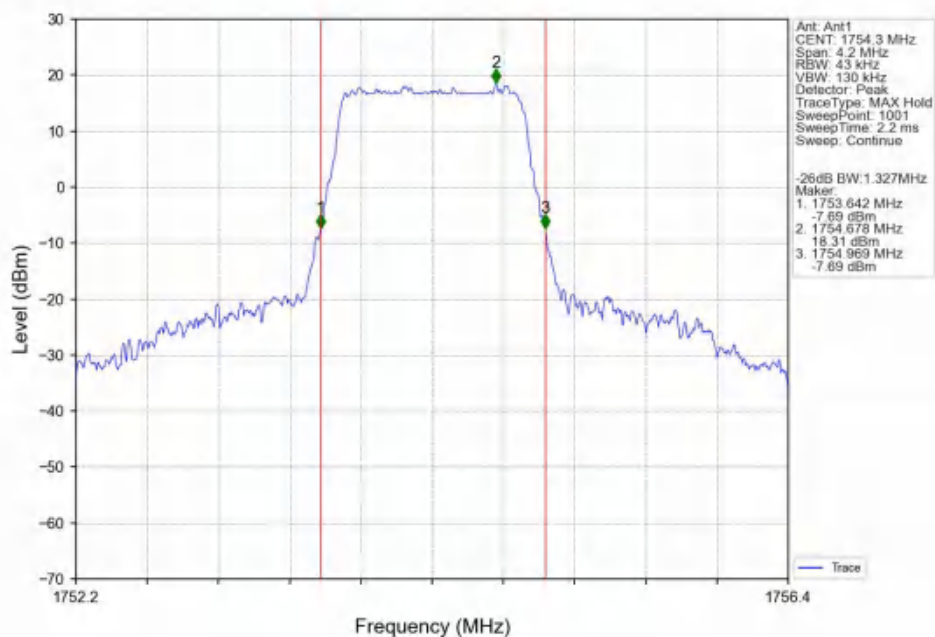




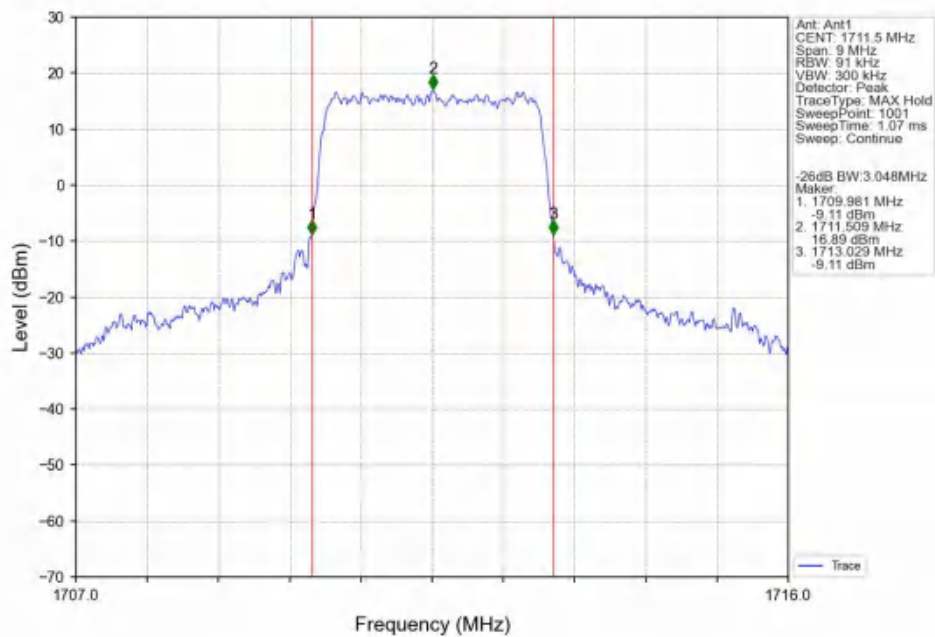
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



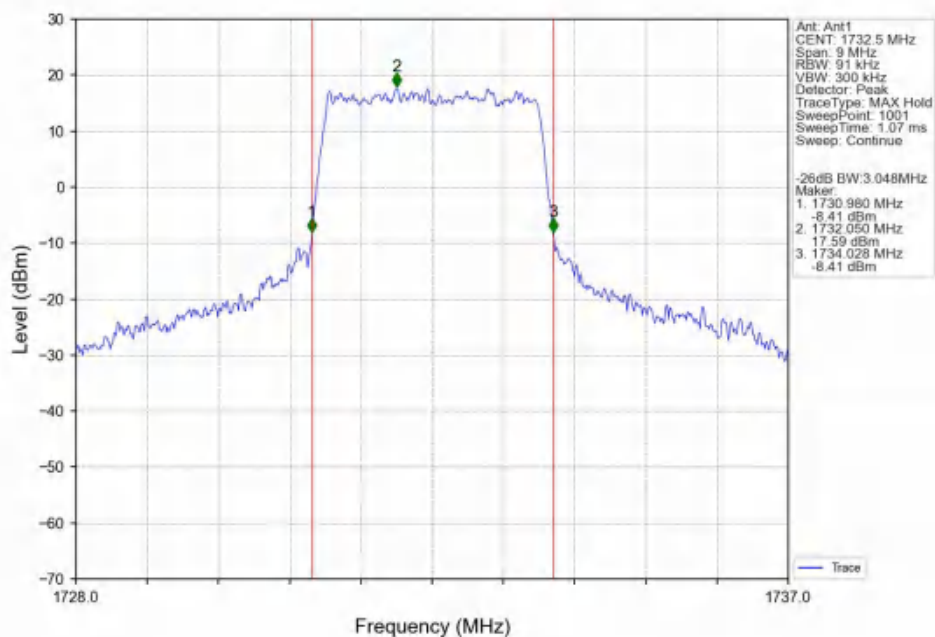
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

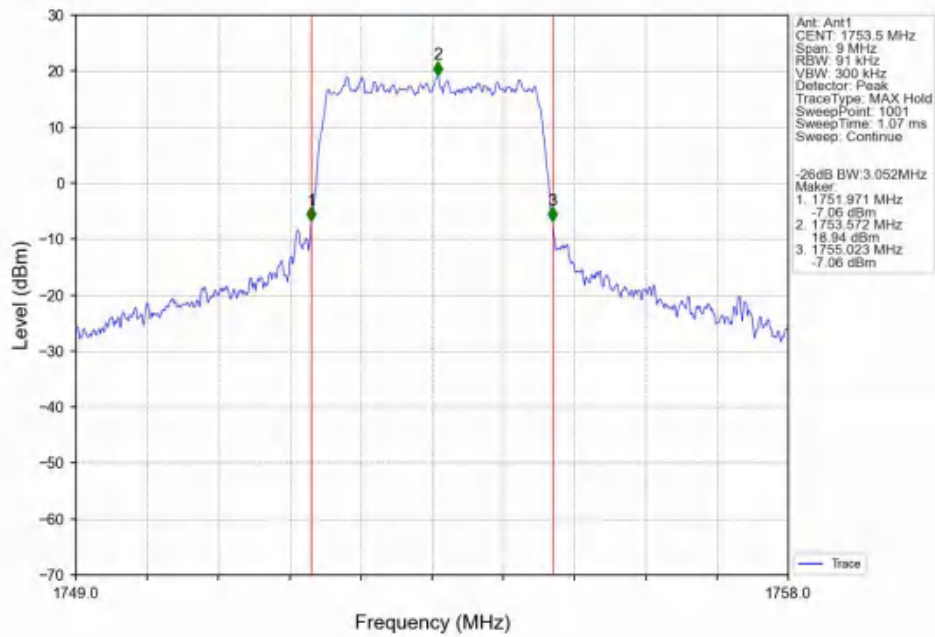


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

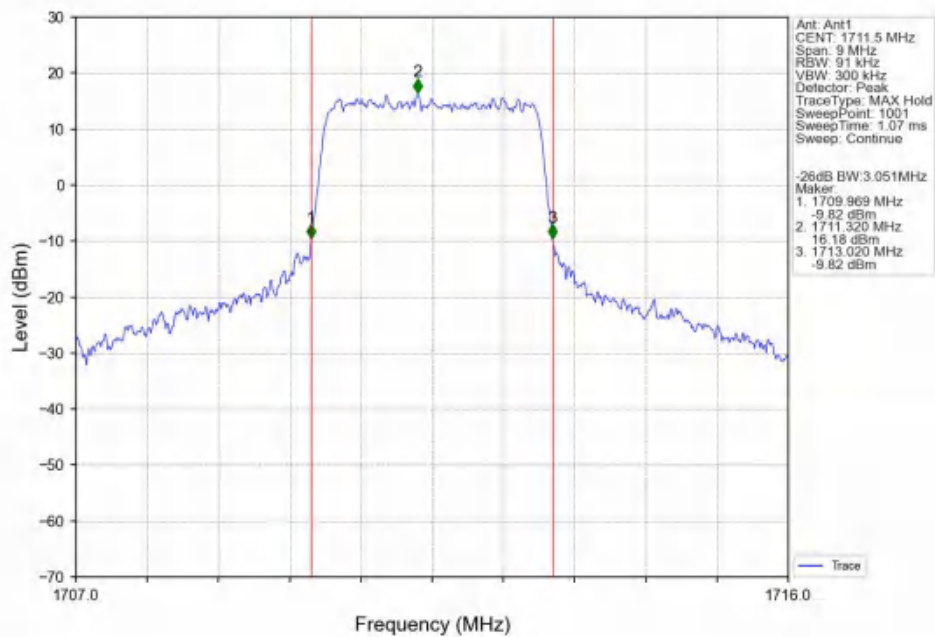




Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

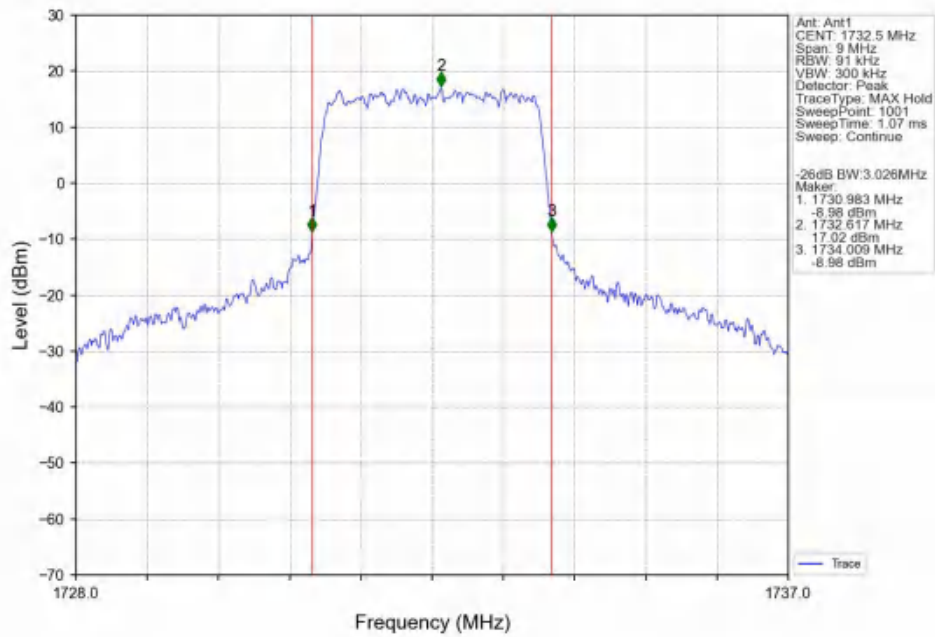


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

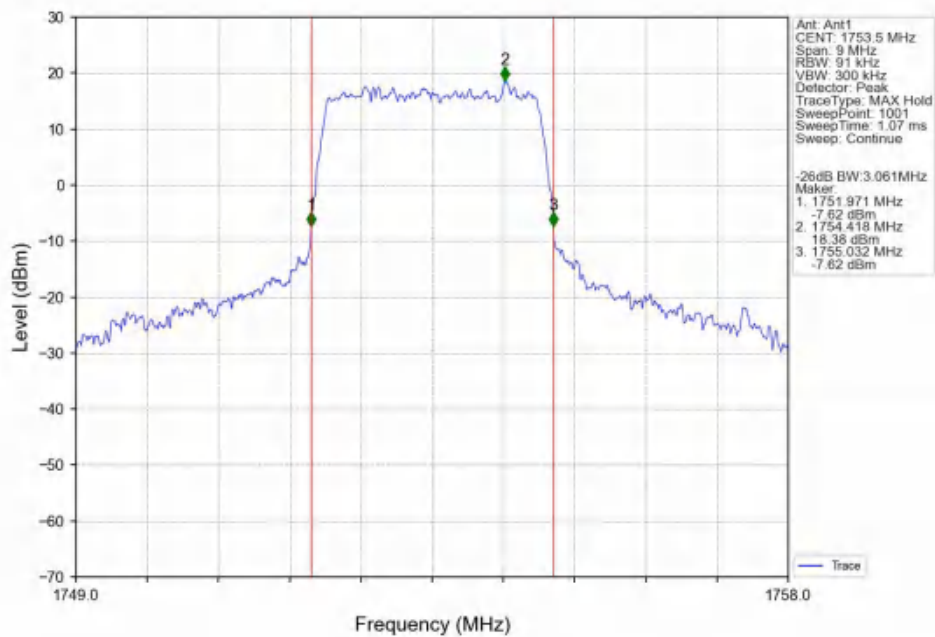




Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

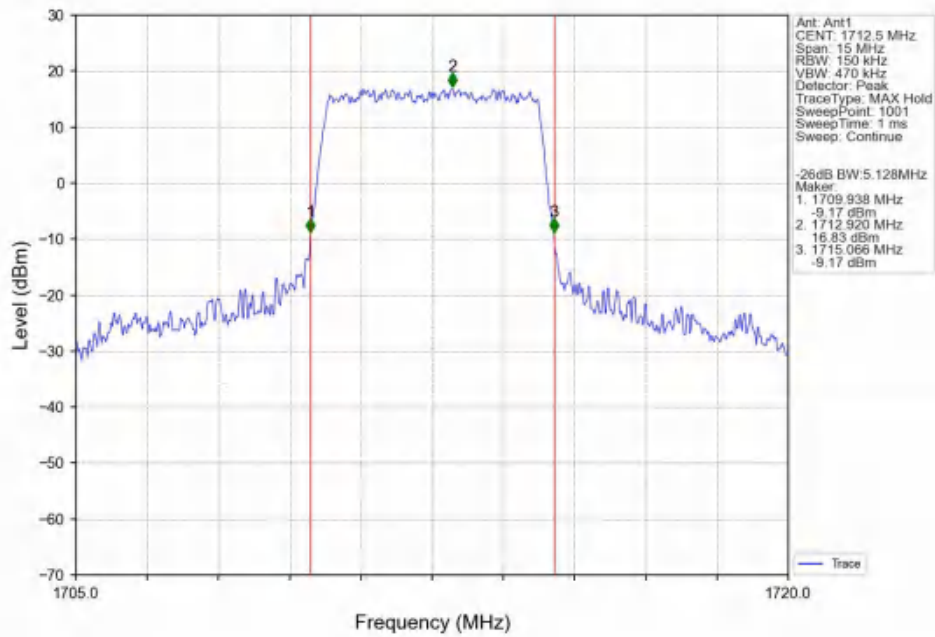


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

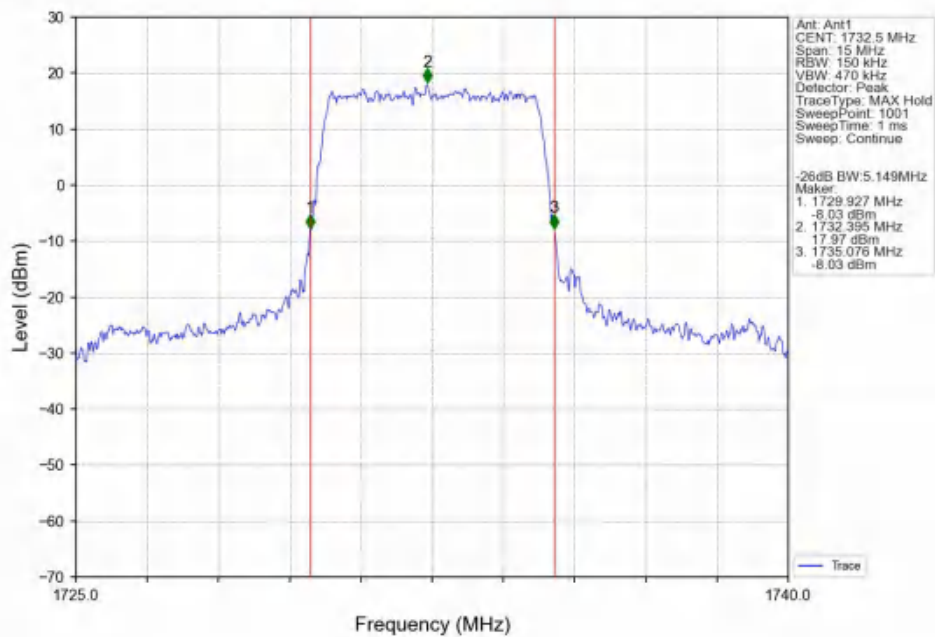




Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

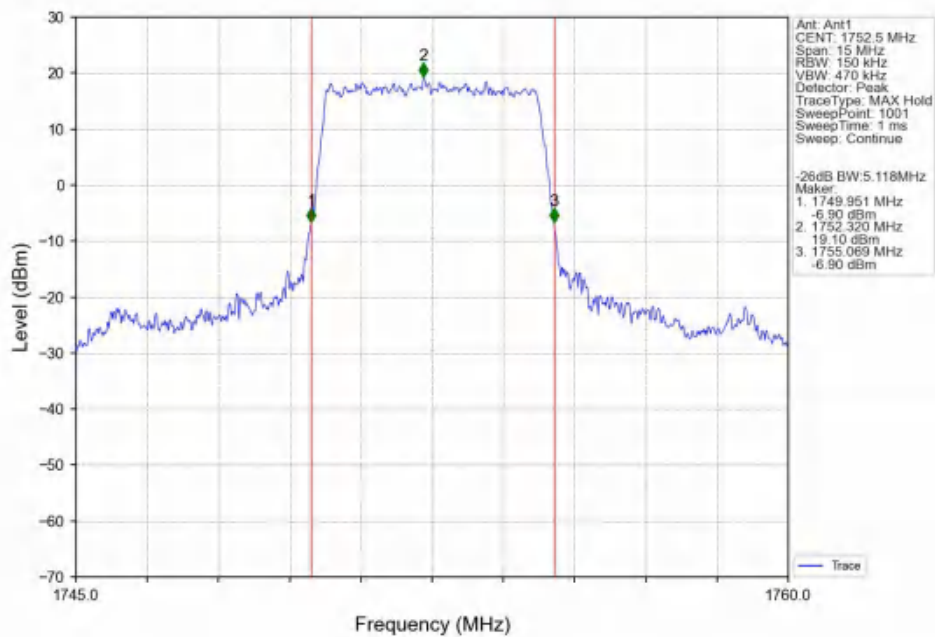


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

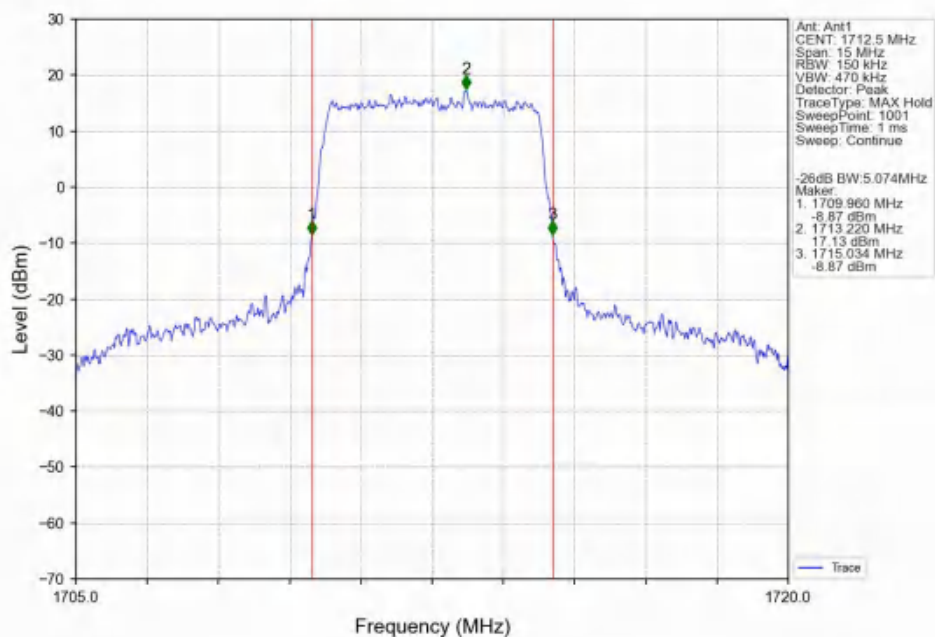




Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

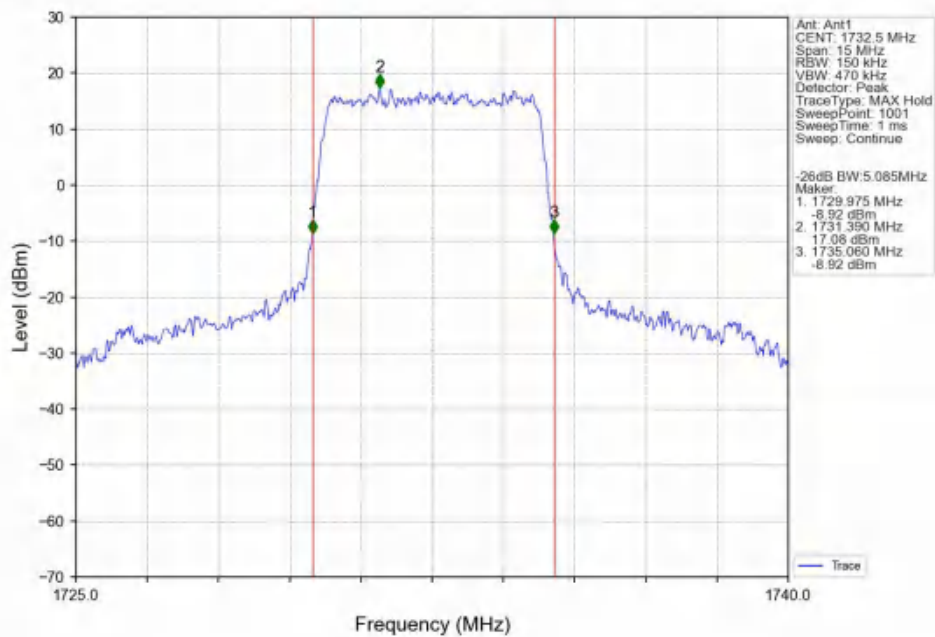


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

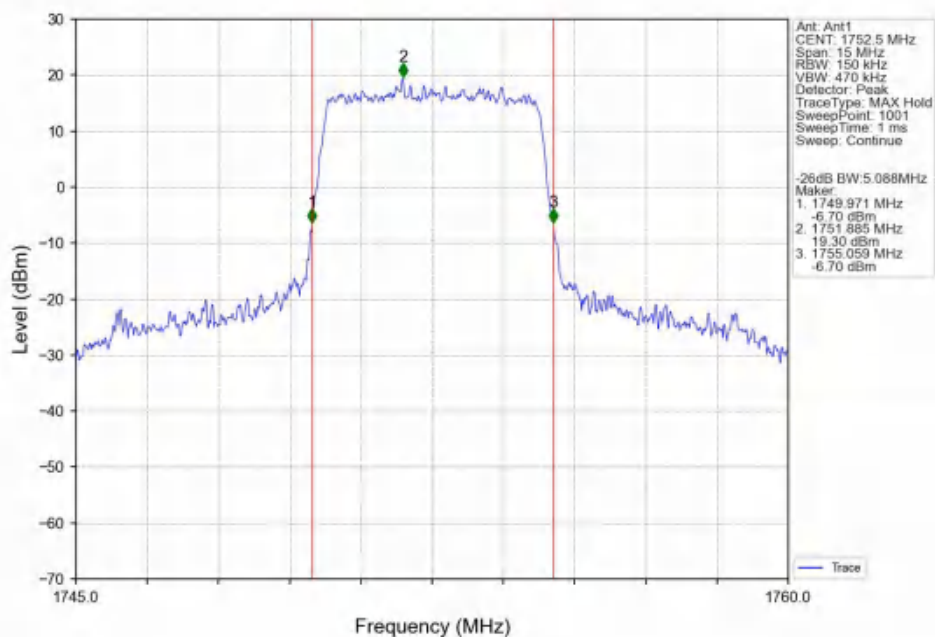




Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

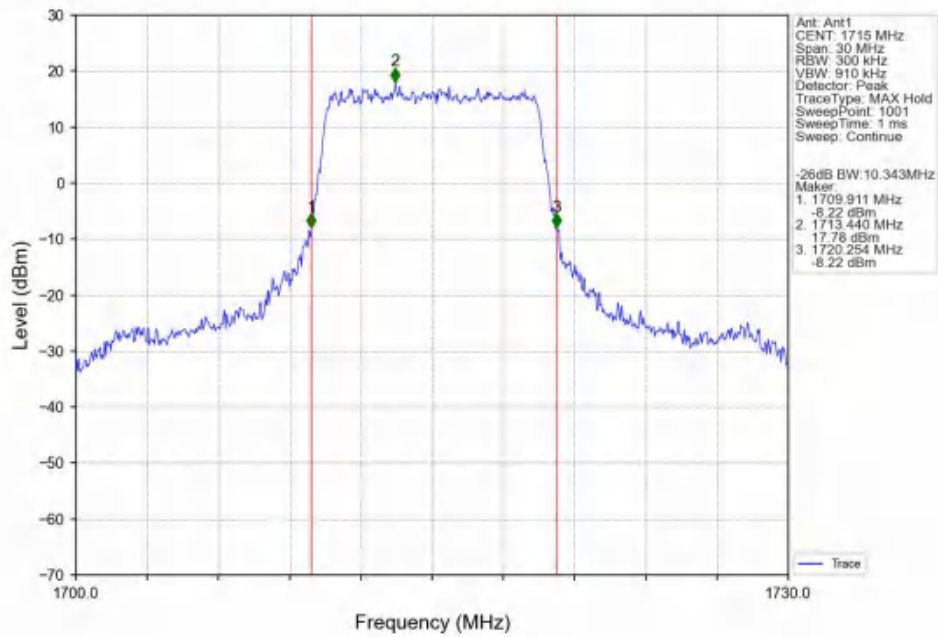


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

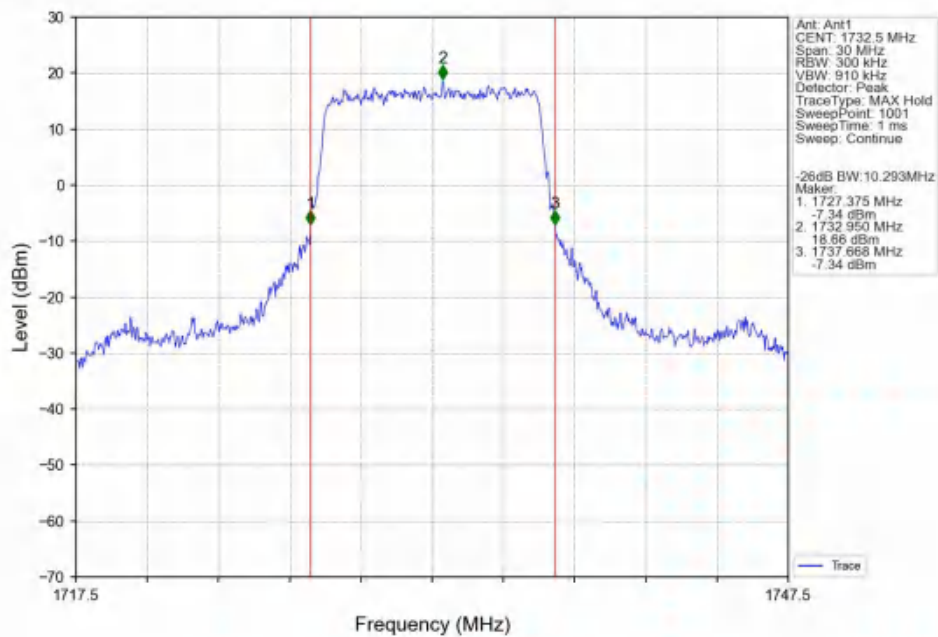




Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

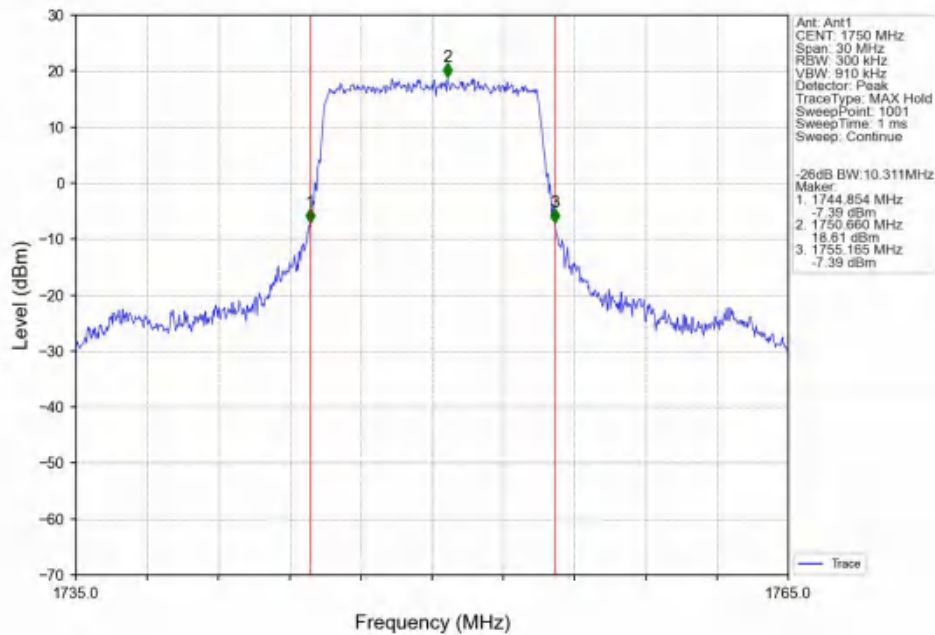


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

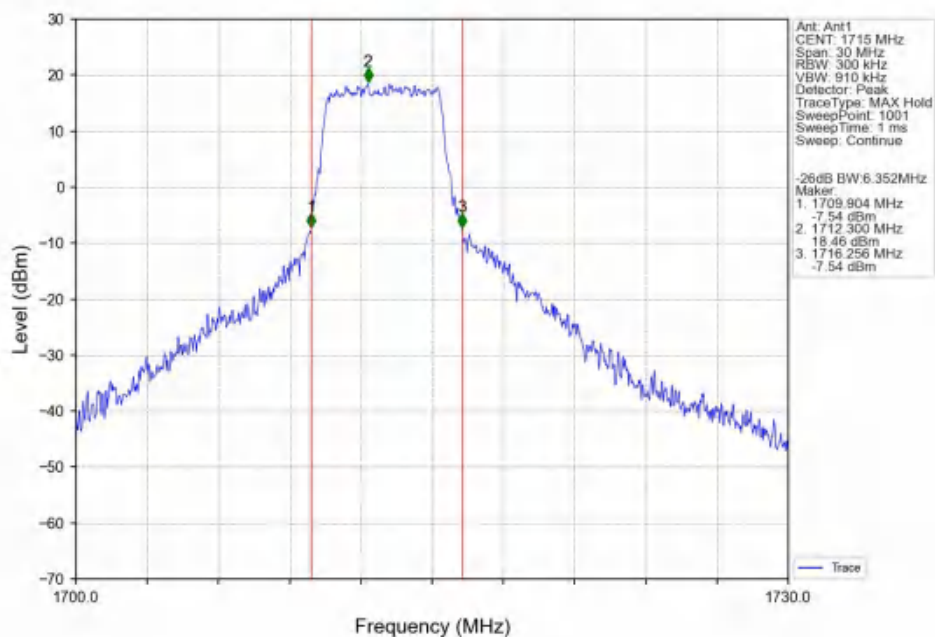




Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

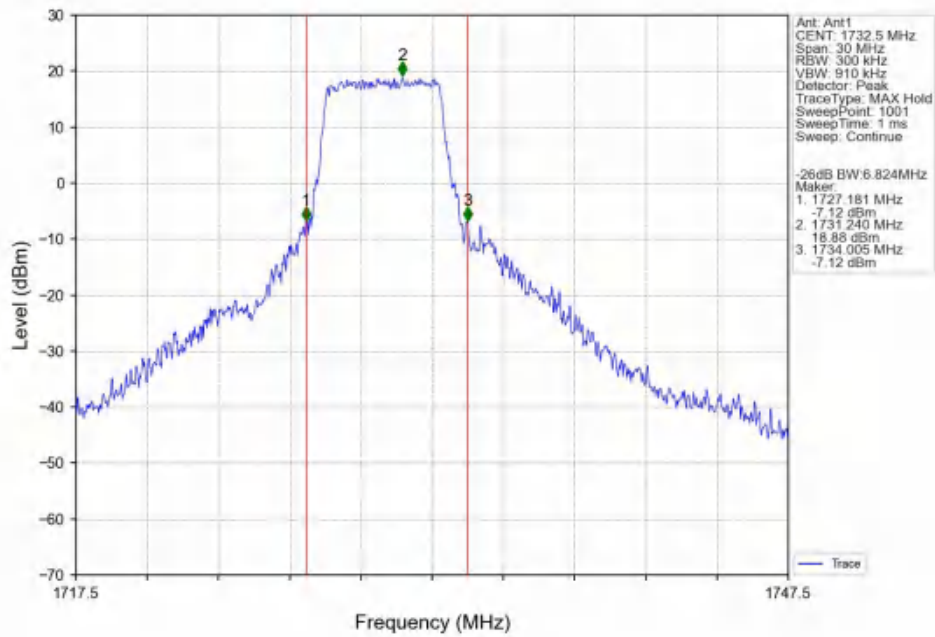


Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV

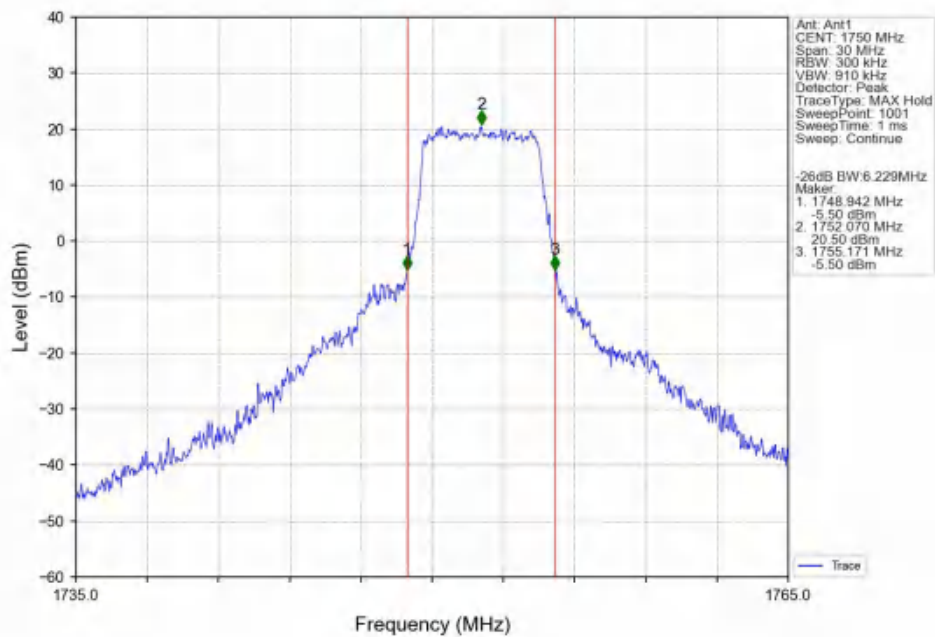




Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

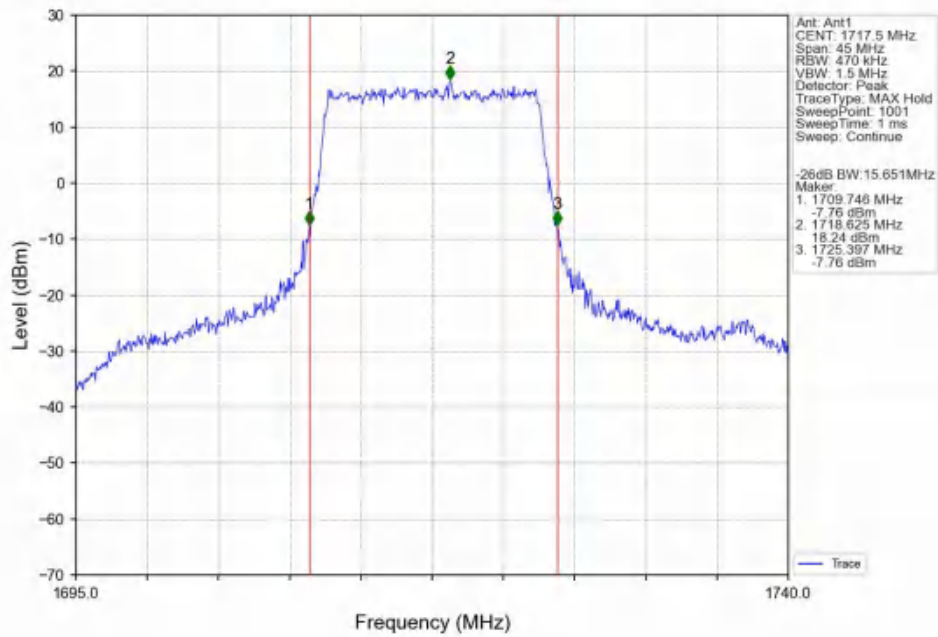


Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV

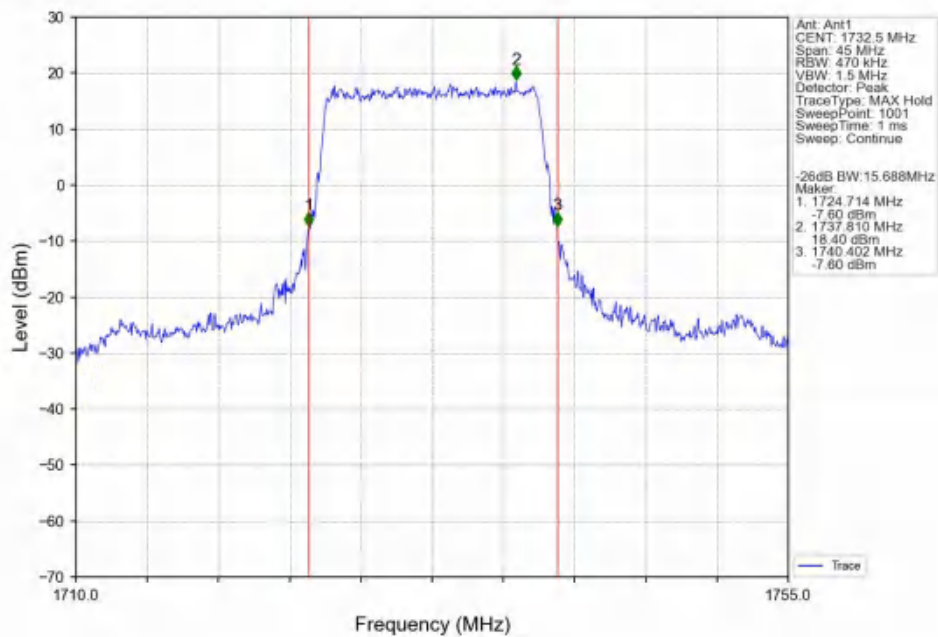




Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

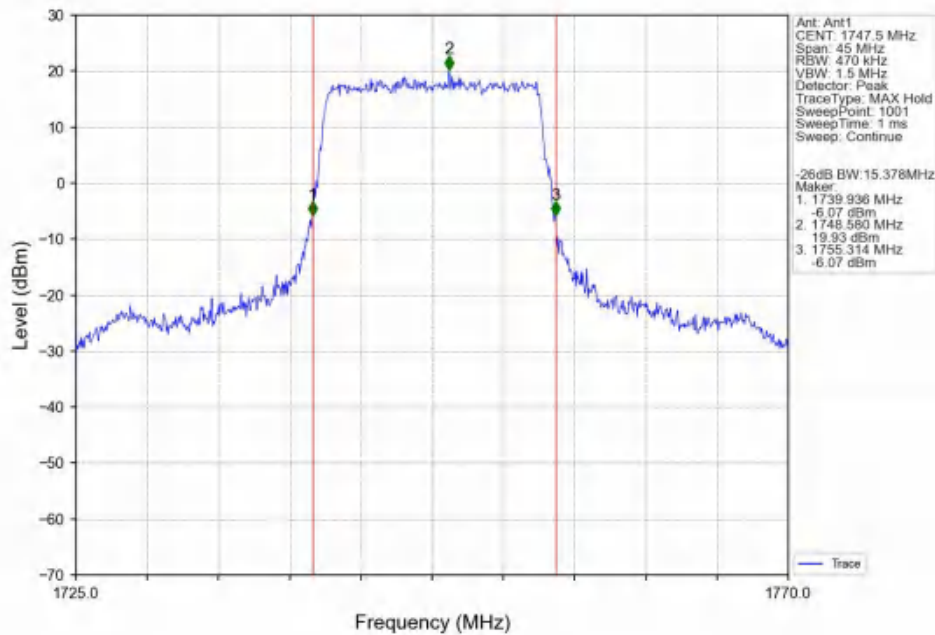


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

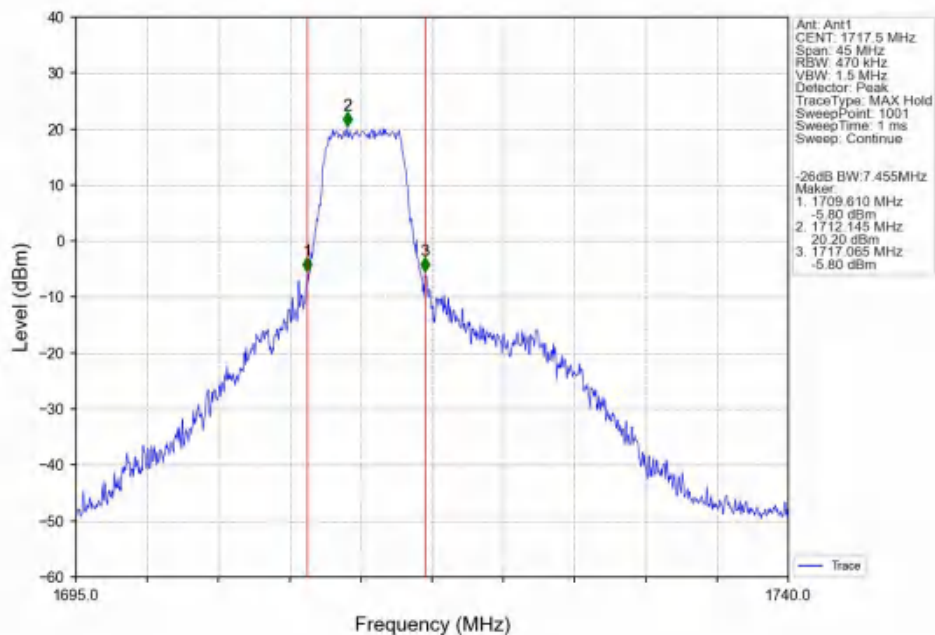




Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

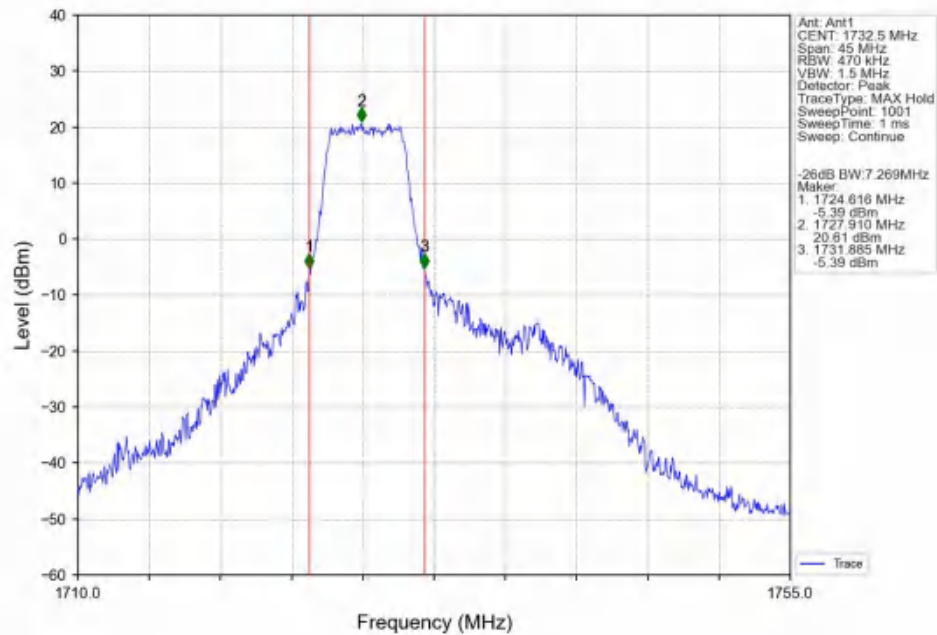


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV

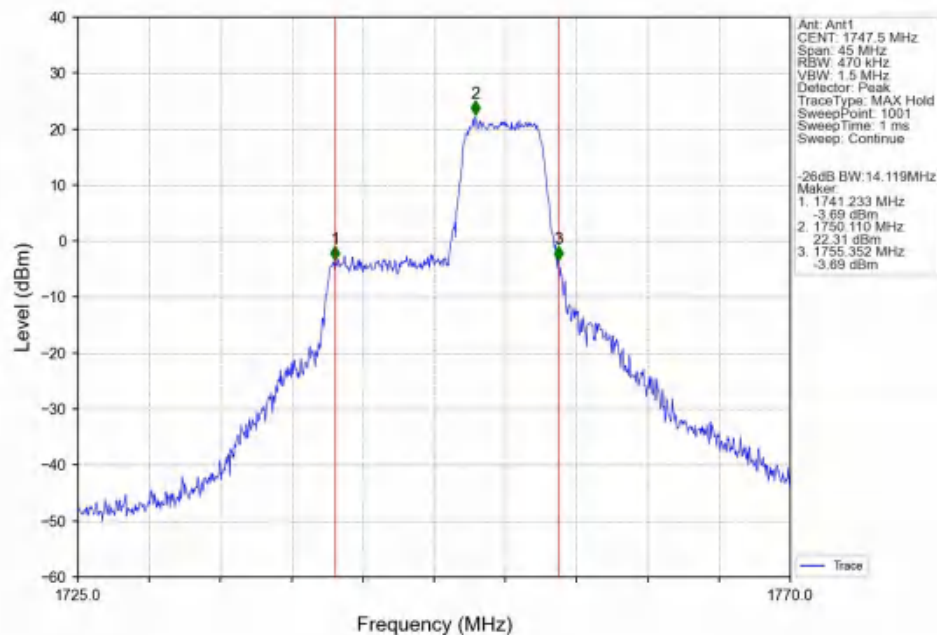




Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

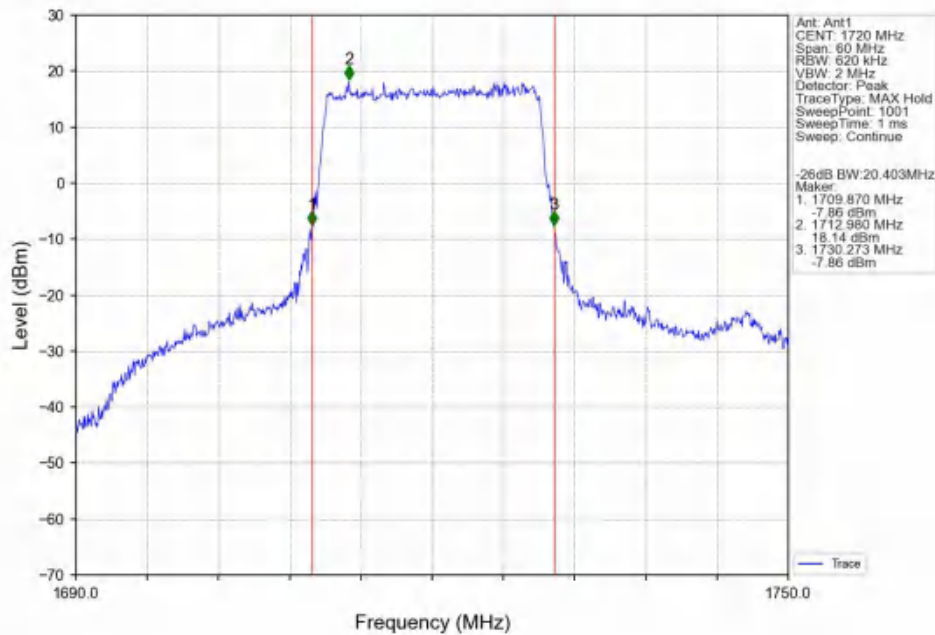


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV

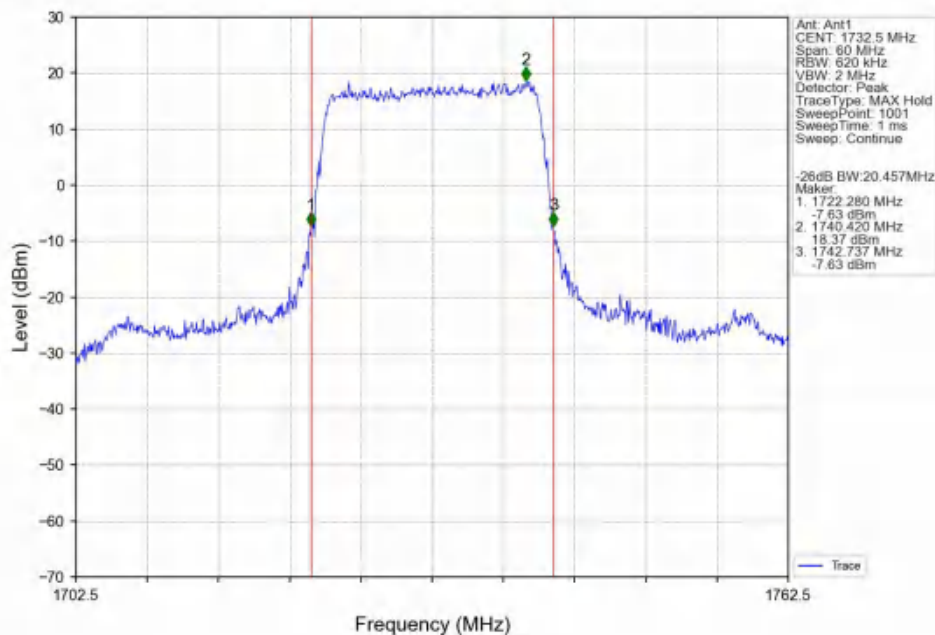




Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

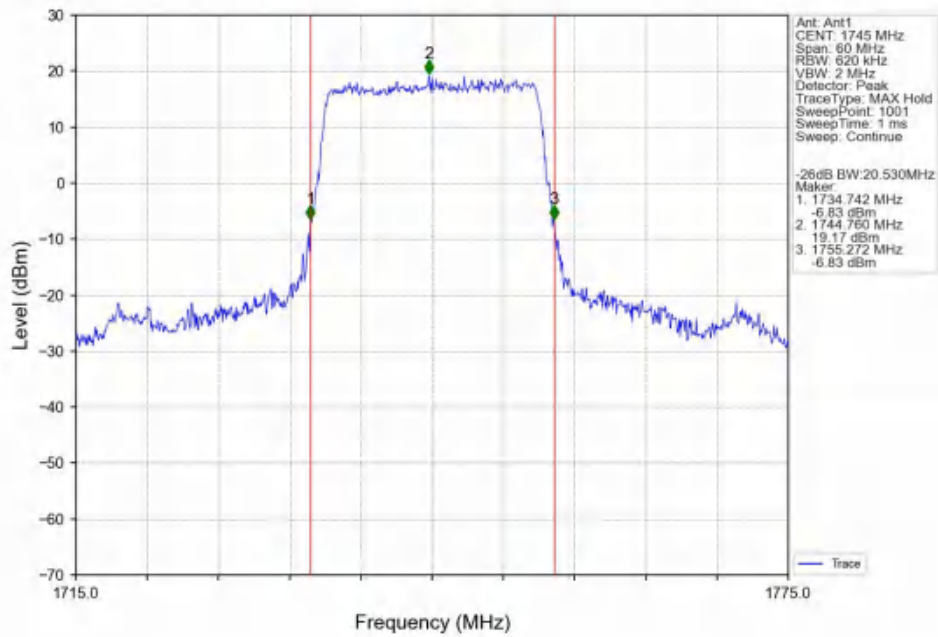


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

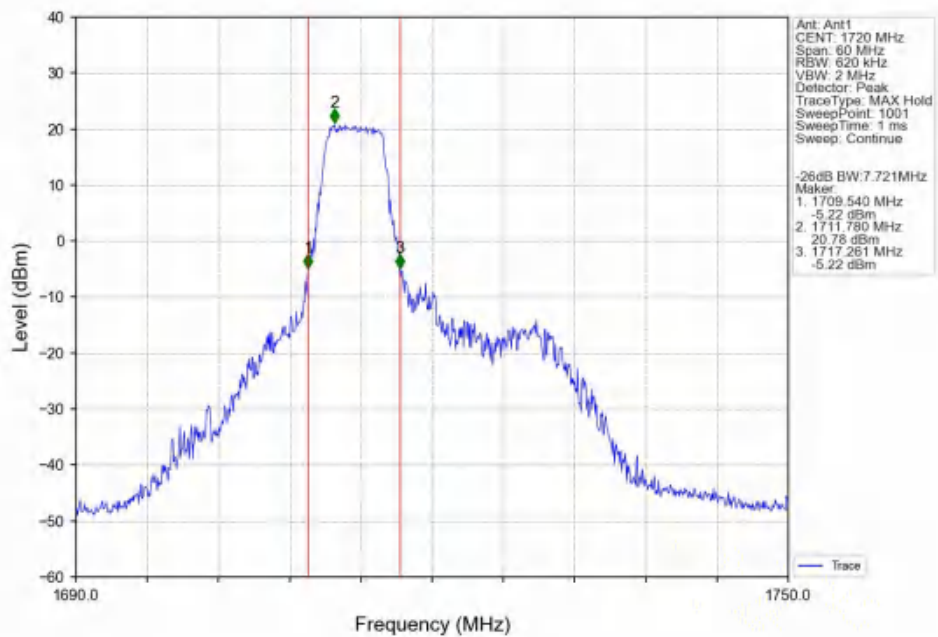




Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

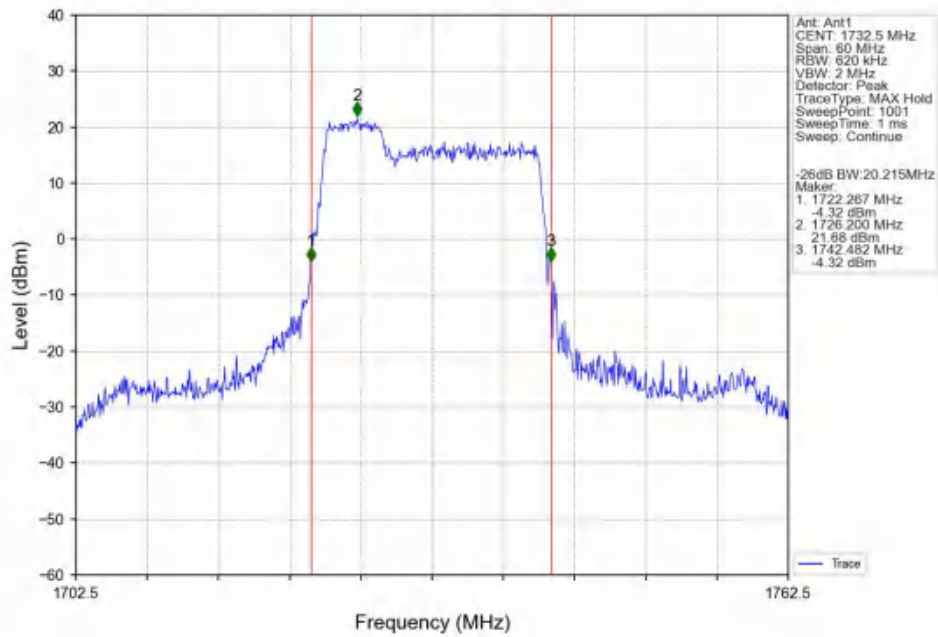


Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV

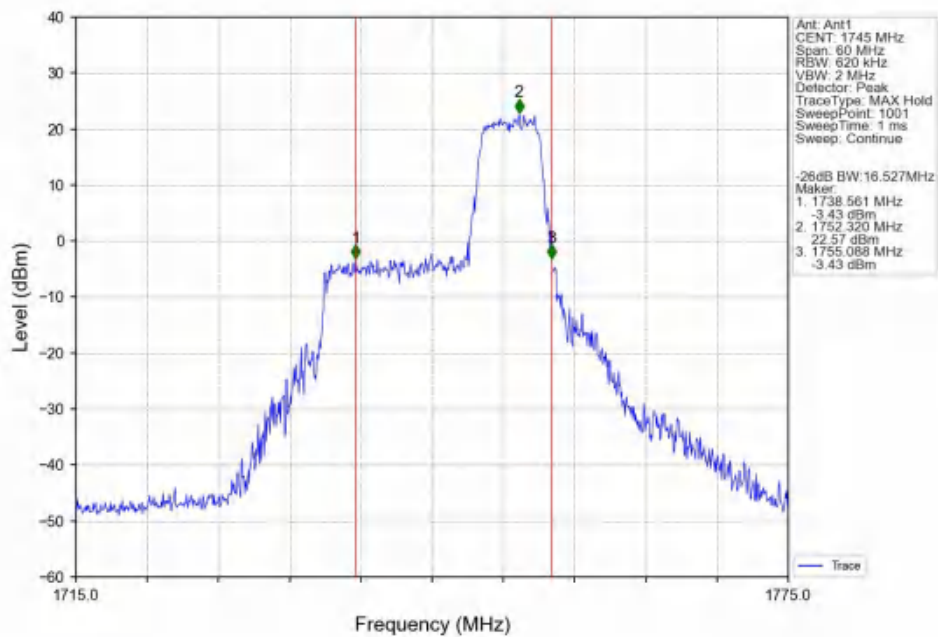




Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV





5. Peak-Average Ratio

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.35	<=13	Pass
	1732.5	6	0	5.49	<=13	Pass
	1754.3	6	0	5.33	<=13	Pass
16QAM	1710.7	6	0	6.09	<=13	Pass
	1732.5	6	0	6.38	<=13	Pass
	1754.3	6	0	6.13	<=13	Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.59	<=13	Pass
	1732.5	15	0	5.63	<=13	Pass
	1753.5	15	0	5.39	<=13	Pass
16QAM	1711.5	15	0	6.43	<=13	Pass
	1732.5	15	0	6.38	<=13	Pass
	1753.5	15	0	6.17	<=13	Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.59	<=13	Pass
	1732.5	25	0	5.70	<=13	Pass
	1752.5	25	0	5.44	<=13	Pass
16QAM	1712.5	25	0	6.33	<=13	Pass
	1732.5	25	0	6.33	<=13	Pass
	1752.5	25	0	6.15	<=13	Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.63	<=13	Pass
	1732.5	50	0	5.53	<=13	Pass
	1750	50	0	5.46	<=13	Pass
16QAM	1715	27	0	6.35	<=13	Pass
	1732.5	27	0	6.36	<=13	Pass
	1750	27	23	6.09	<=13	Pass



5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.91	<=13	Pass
	1732.5	75	0	5.89	<=13	Pass
	1747.5	75	0	5.87	<=13	Pass
16QAM	1717.5	27	0	11.08	<=13	Pass
	1732.5	27	0	6.36	<=13	Pass
	1747.5	27	48	6.02	<=13	Pass

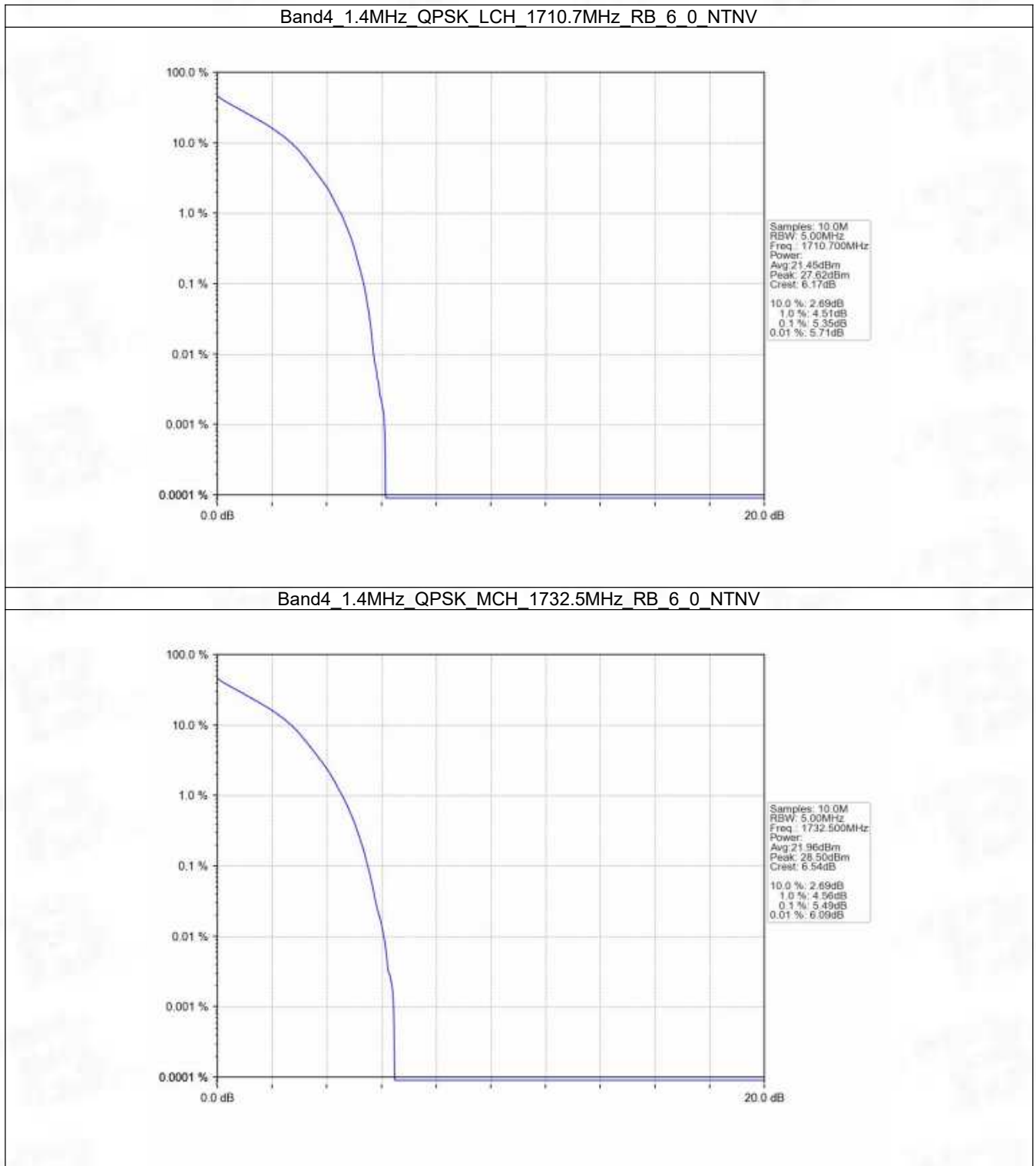
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.70	<=13	Pass
	1732.5	100	0	5.64	<=13	Pass
	1745	100	0	5.55	<=13	Pass
16QAM	1720	27	0	6.24	<=13	Pass
	1732.5	27	0	6.57	<=13	Pass
	1745	27	73	6.13	<=13	Pass



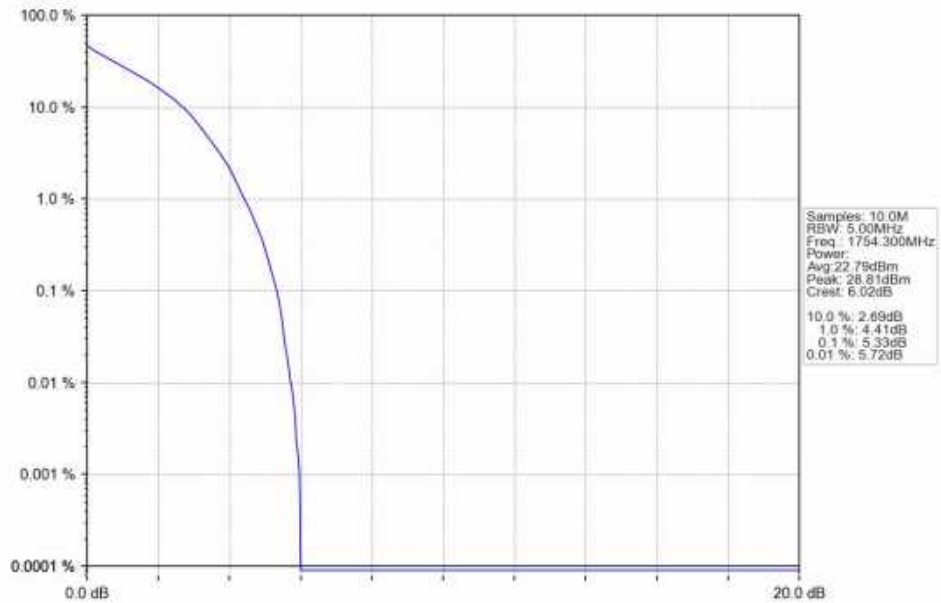
5.2 Test Graph

5.2.1 B4_1.4MHz

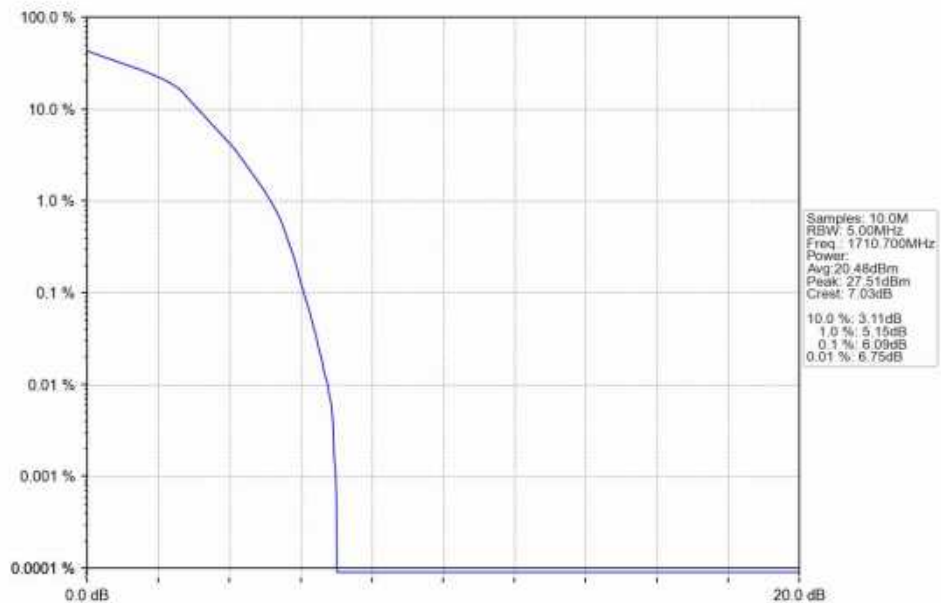




Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

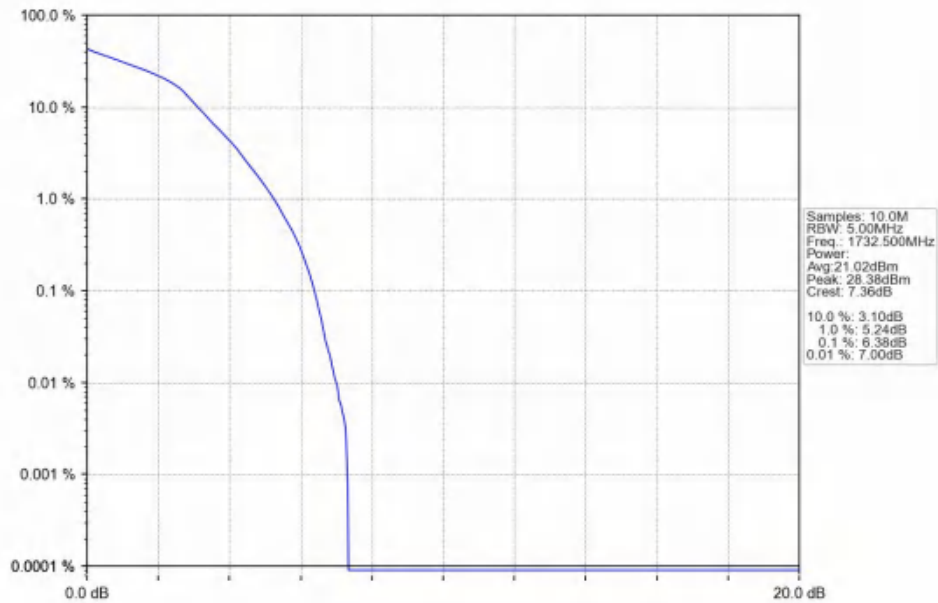


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

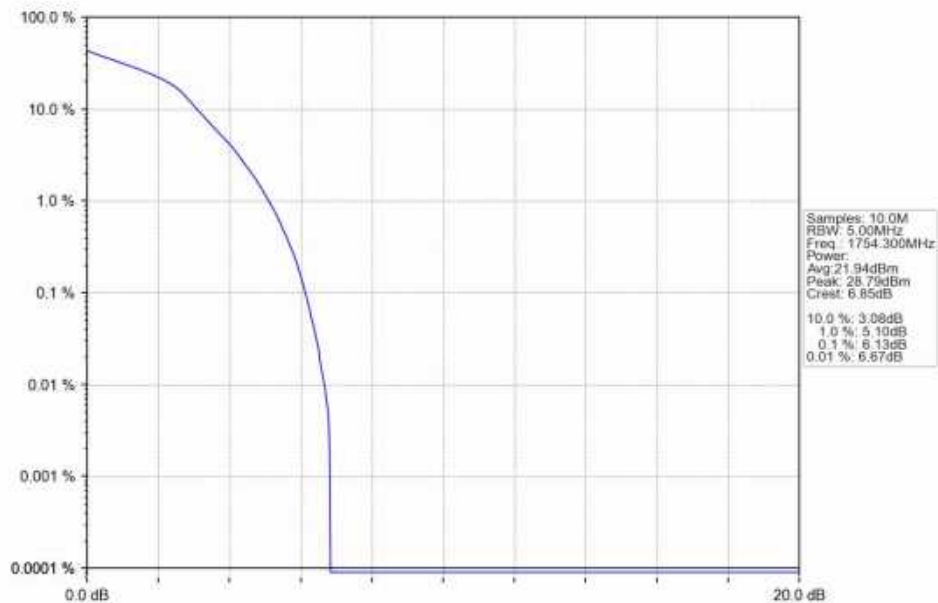




Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

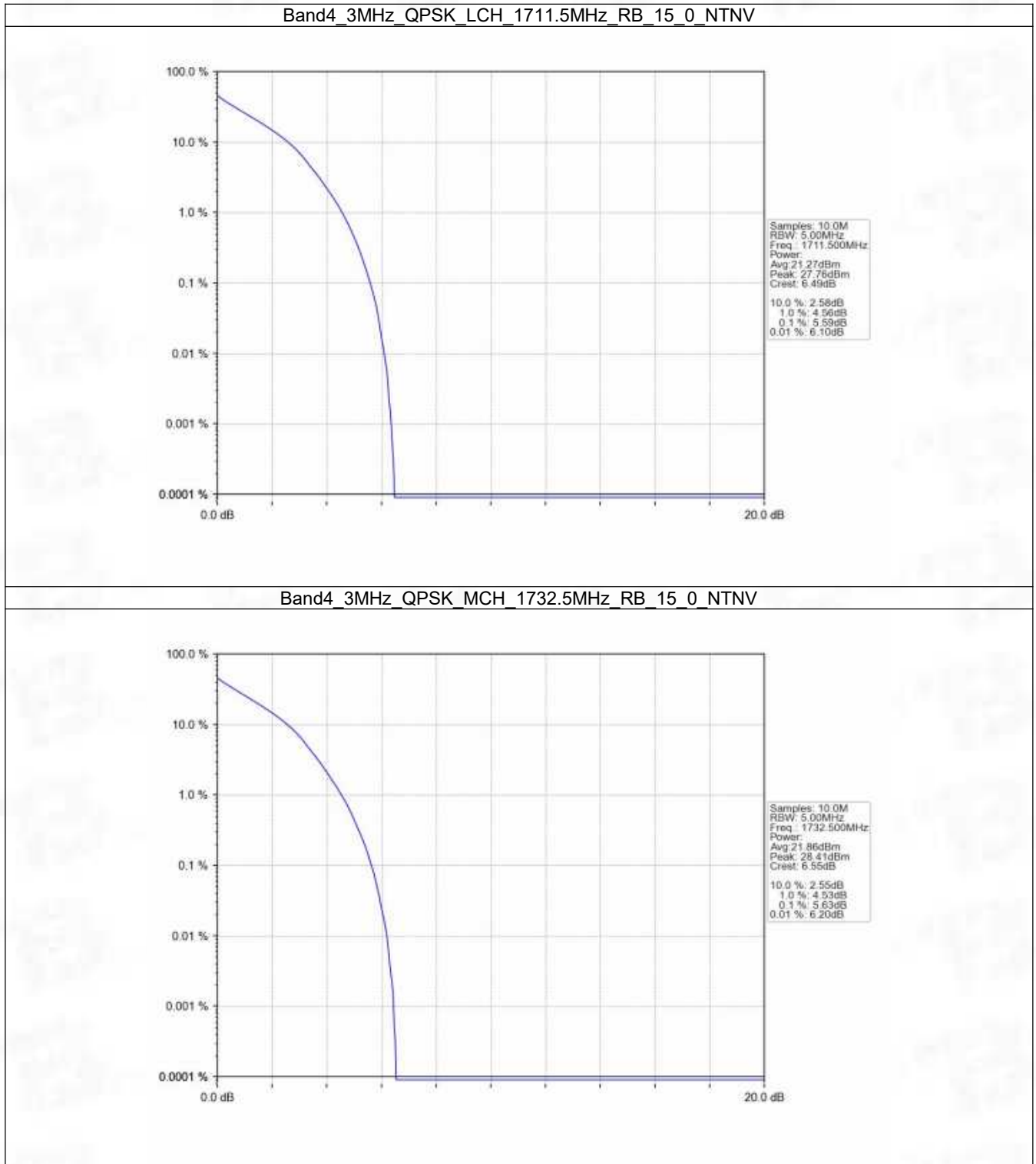


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



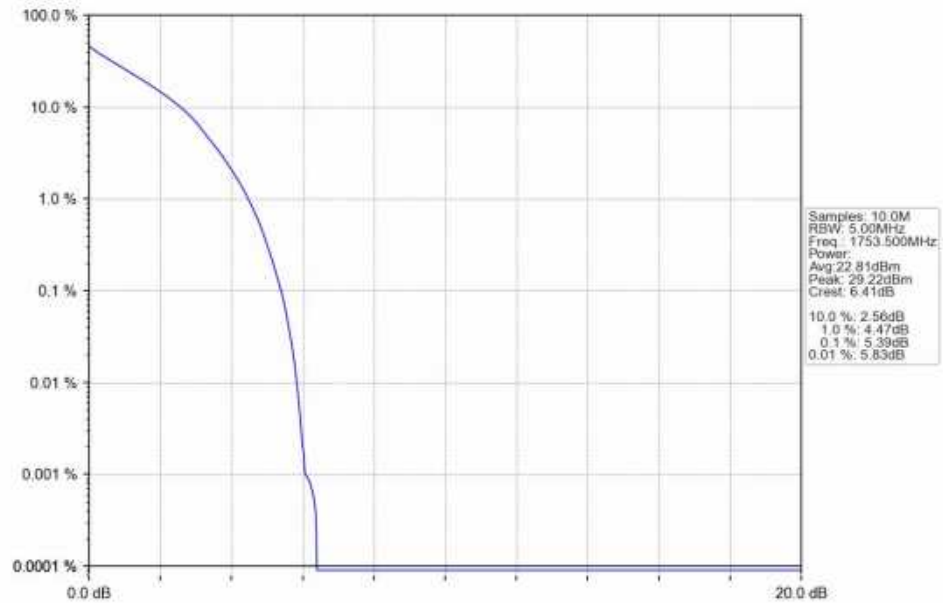


5.2.2 B4_3MHz

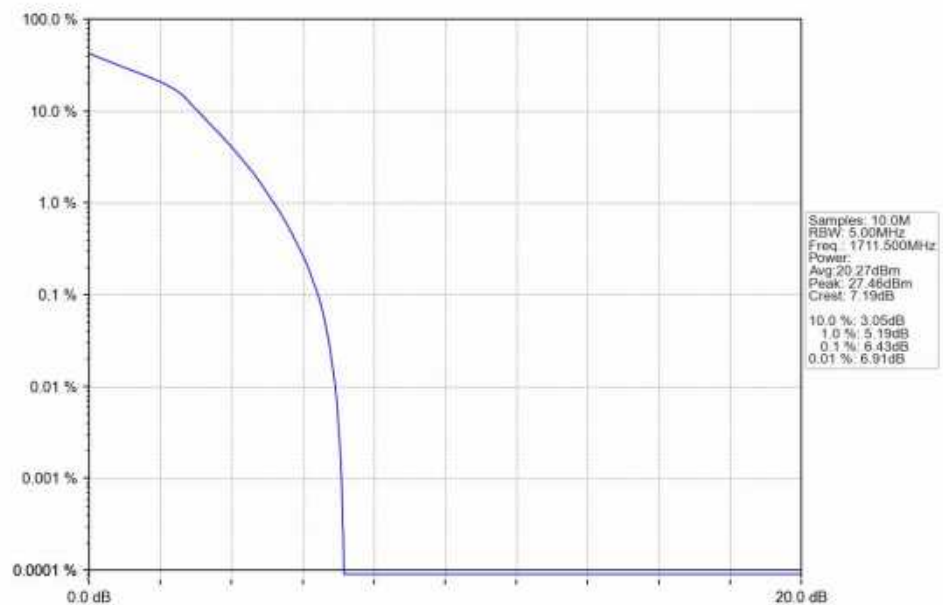




Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

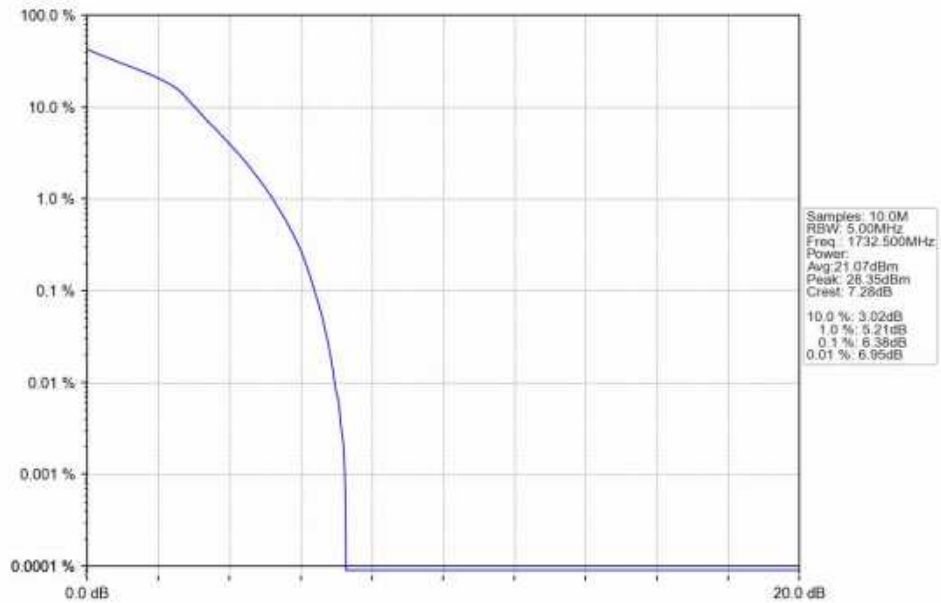


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

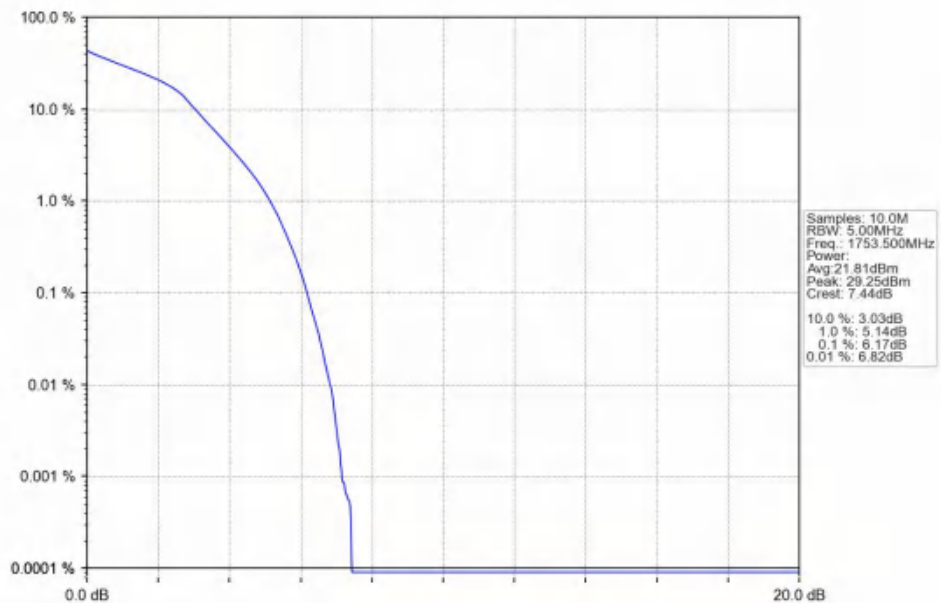




Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

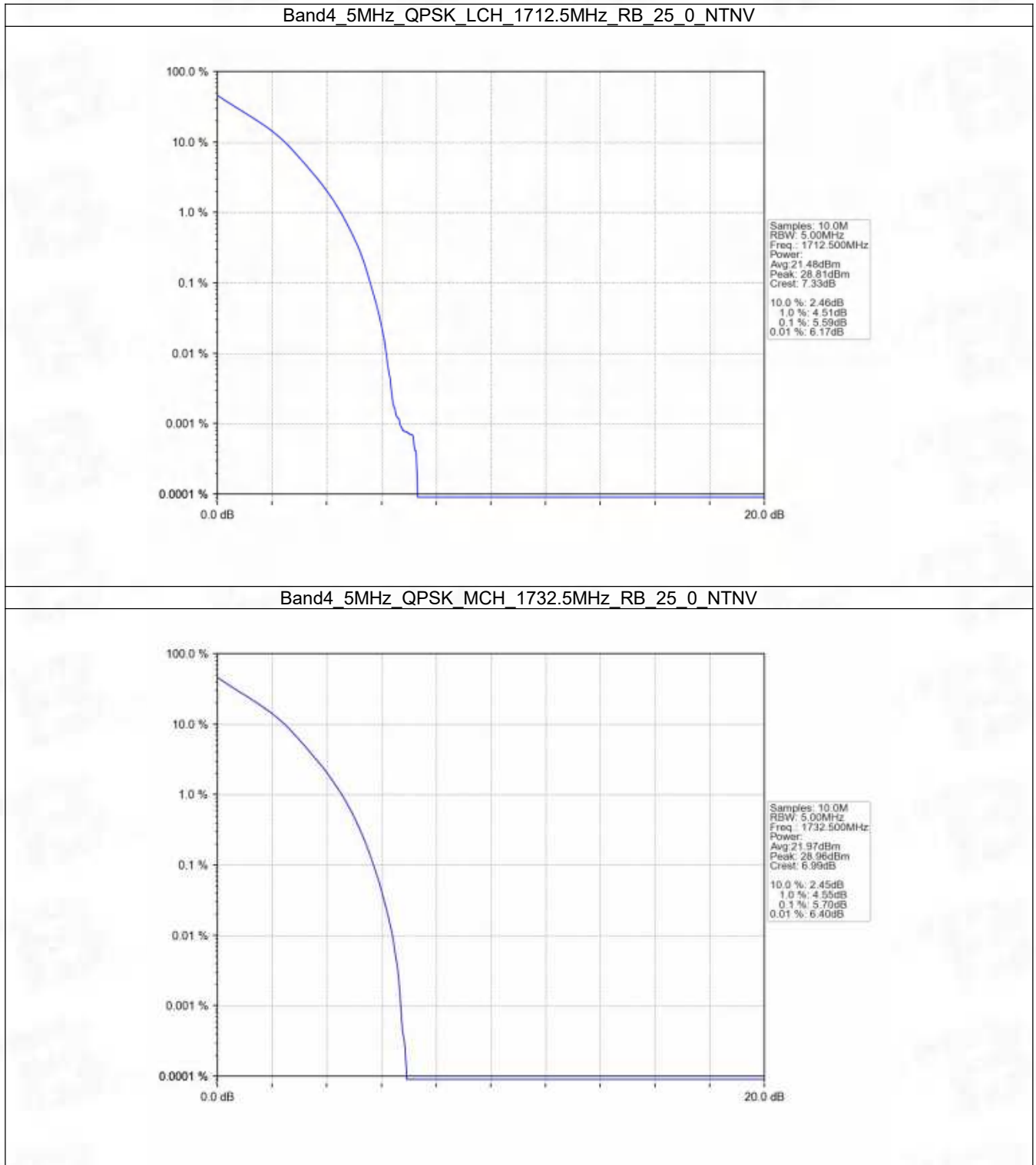


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



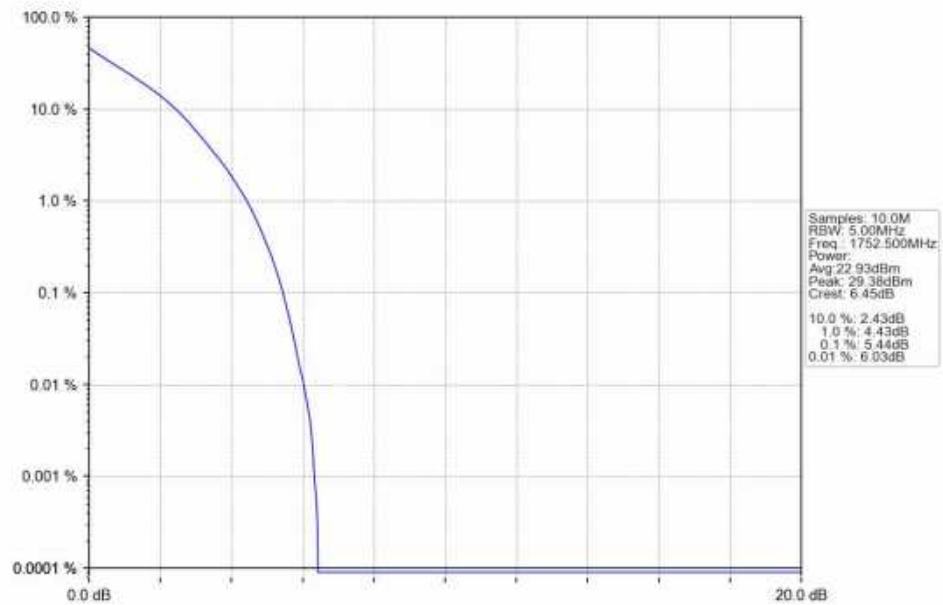


5.2.3 B4_5MHz

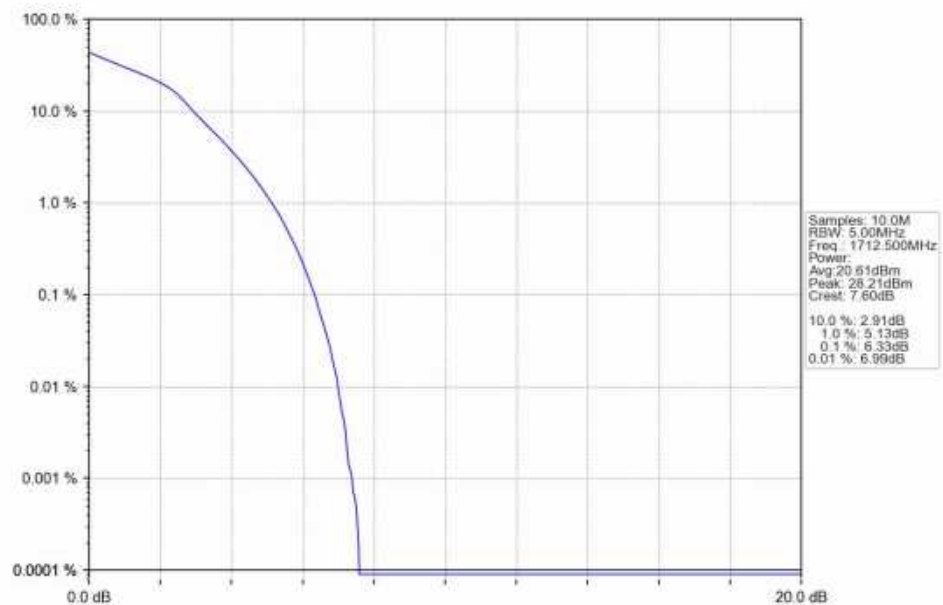




Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

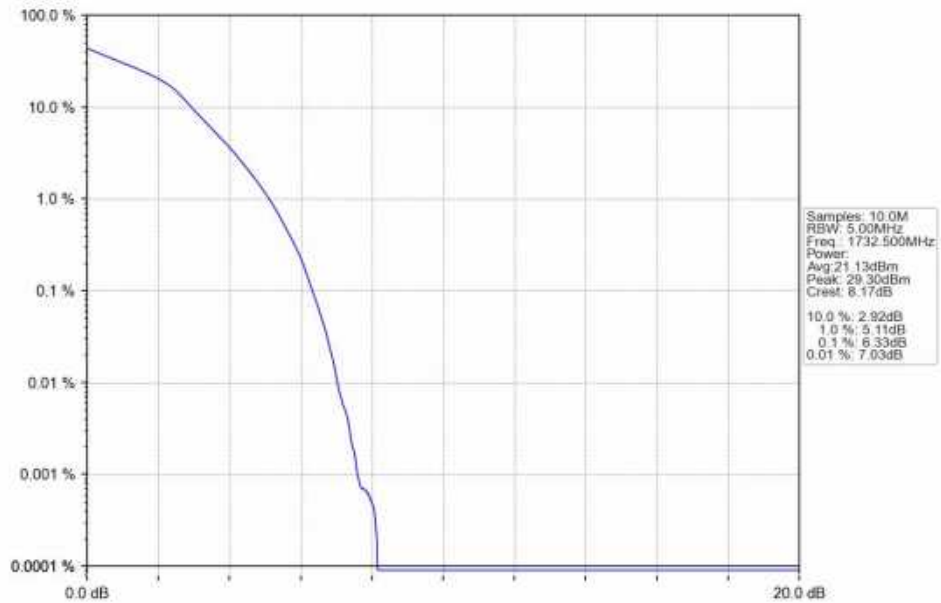


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

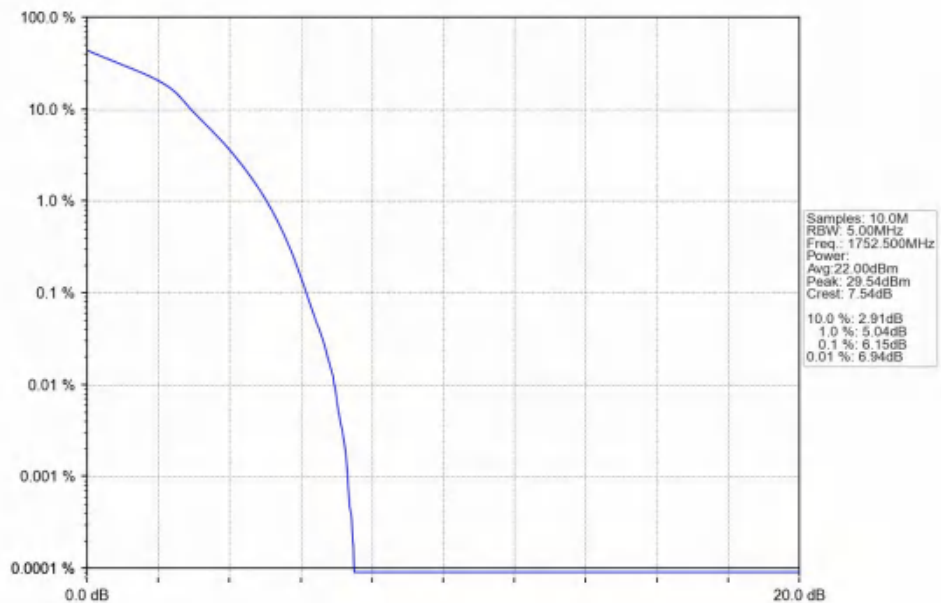




Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

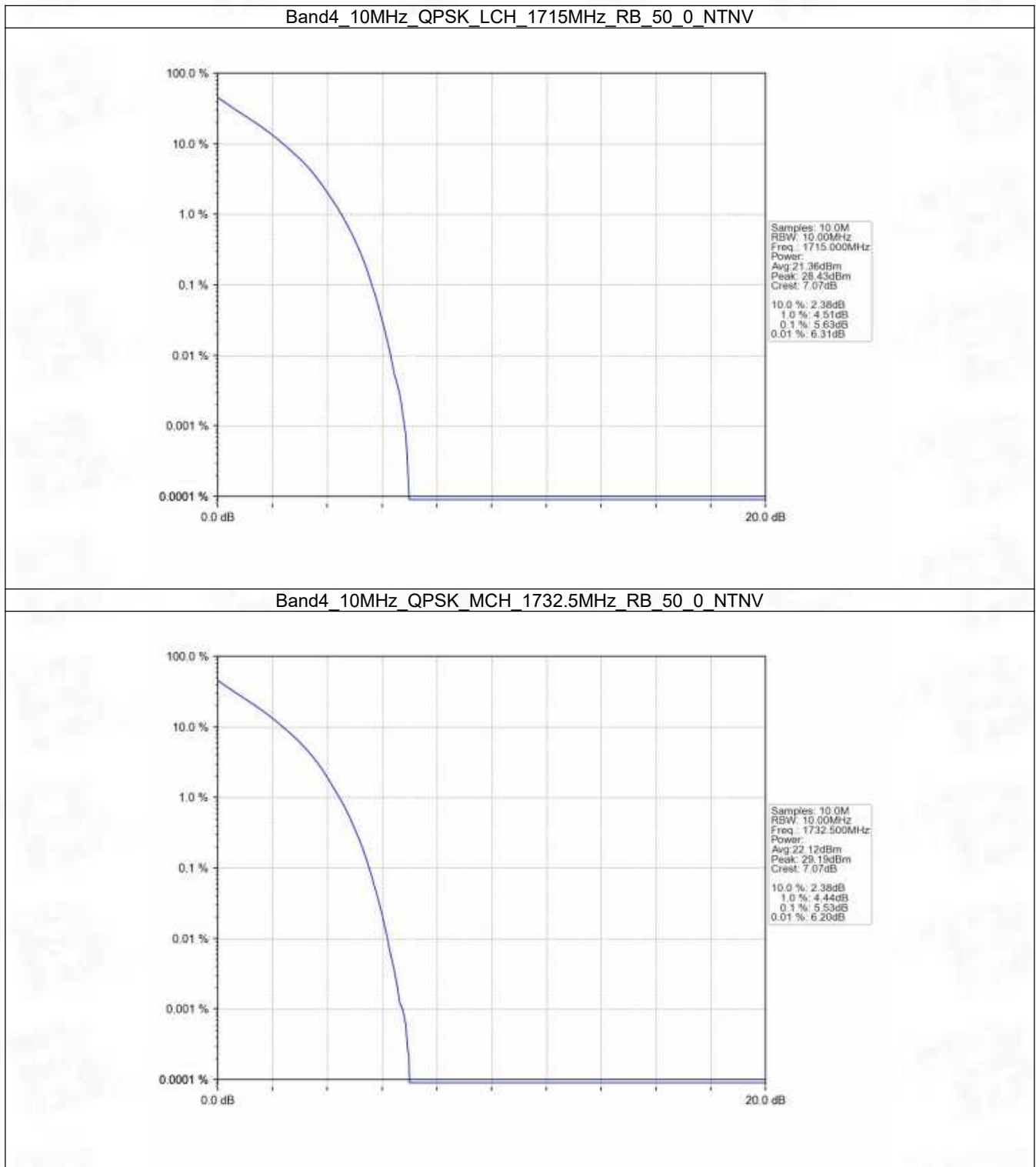


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



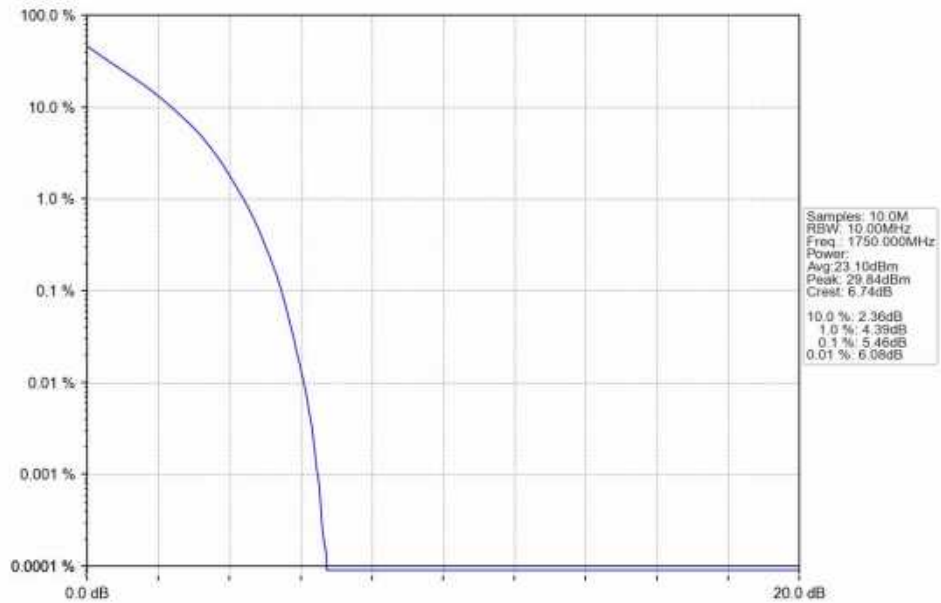


5.2.4 B4_10MHz

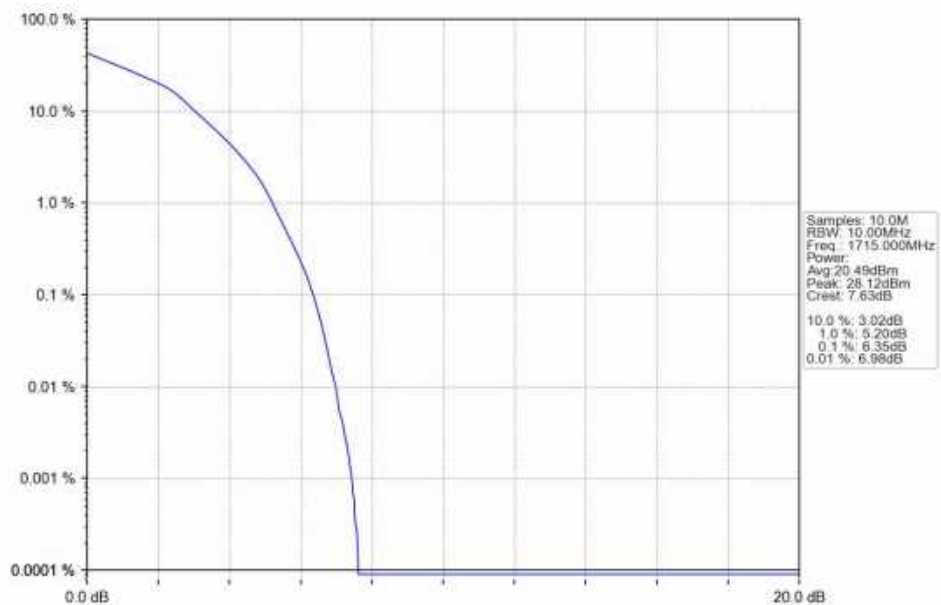




Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

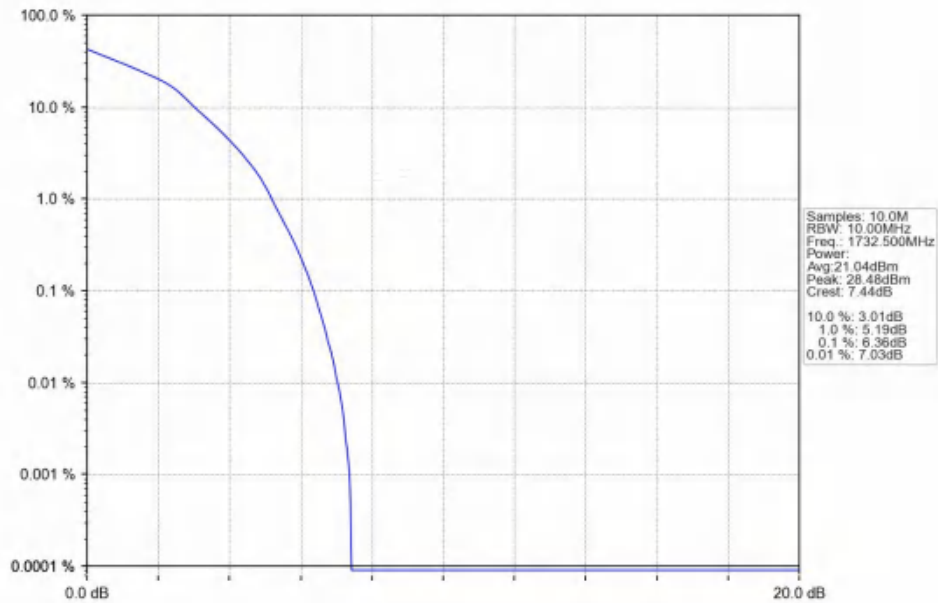


Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV

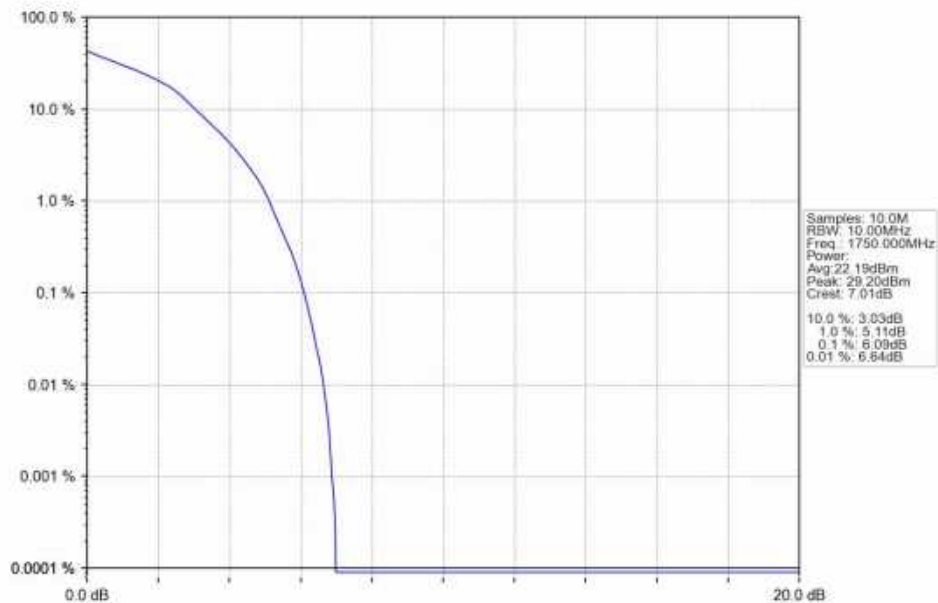




Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

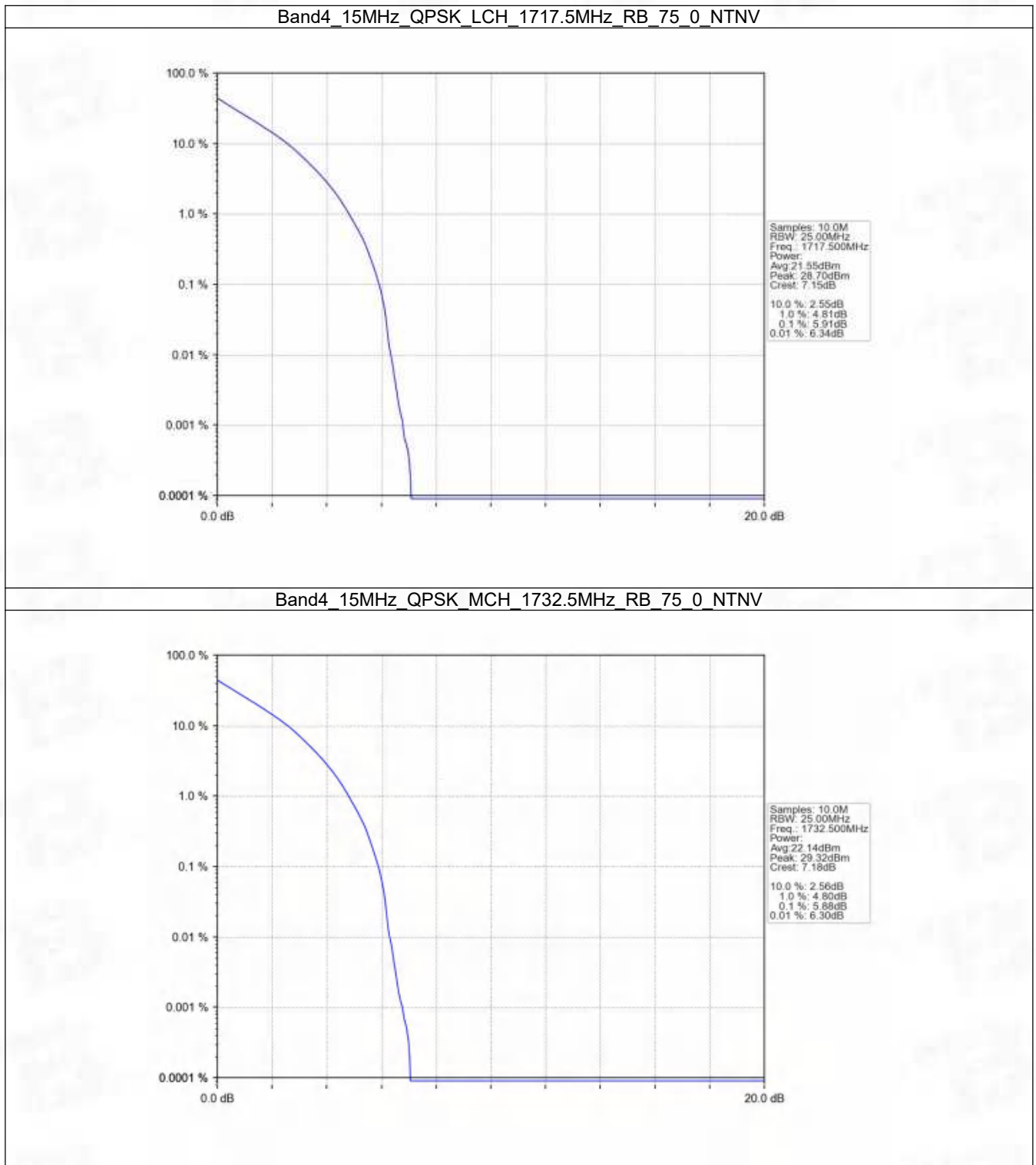


Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



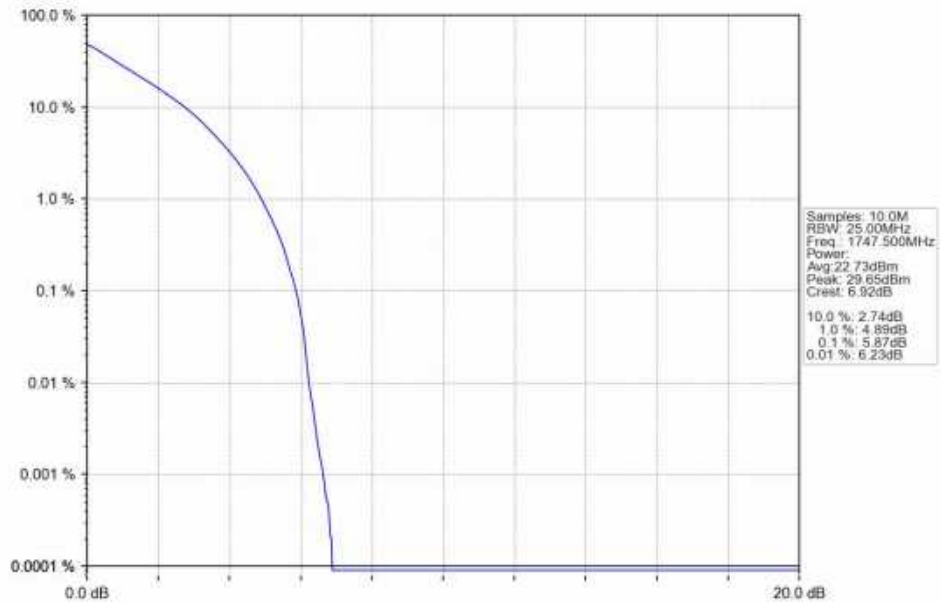


5.2.5 B4_15MHz

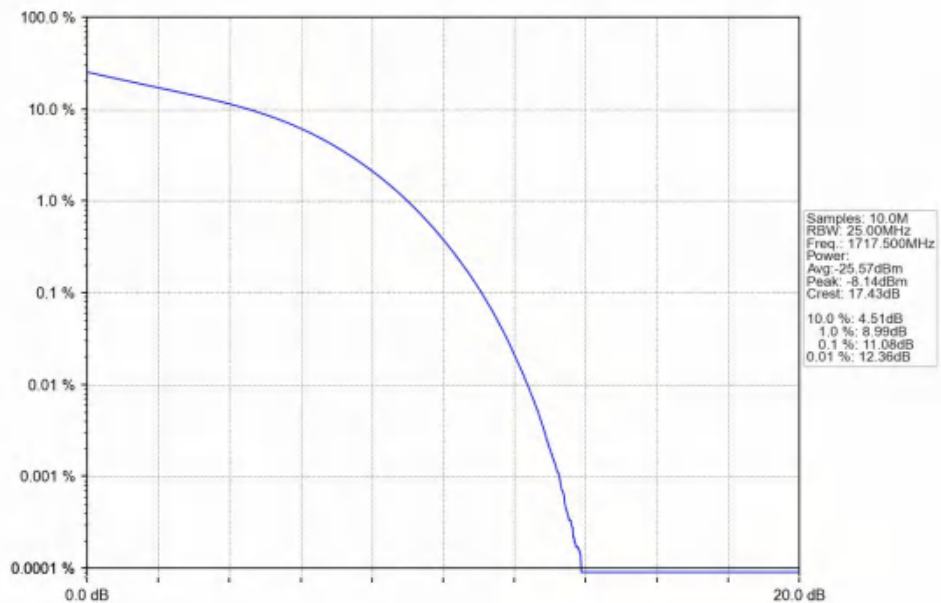




Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

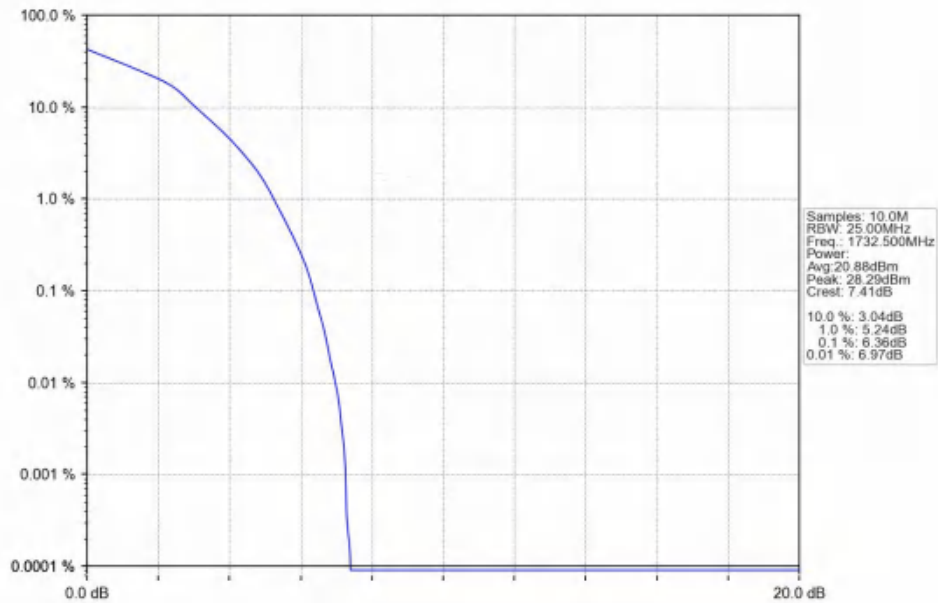


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV

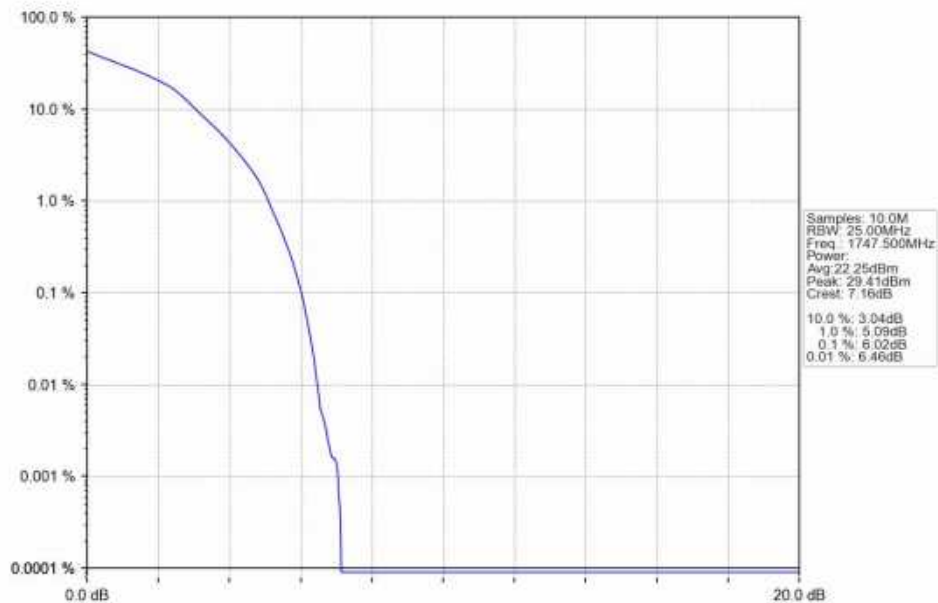




Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

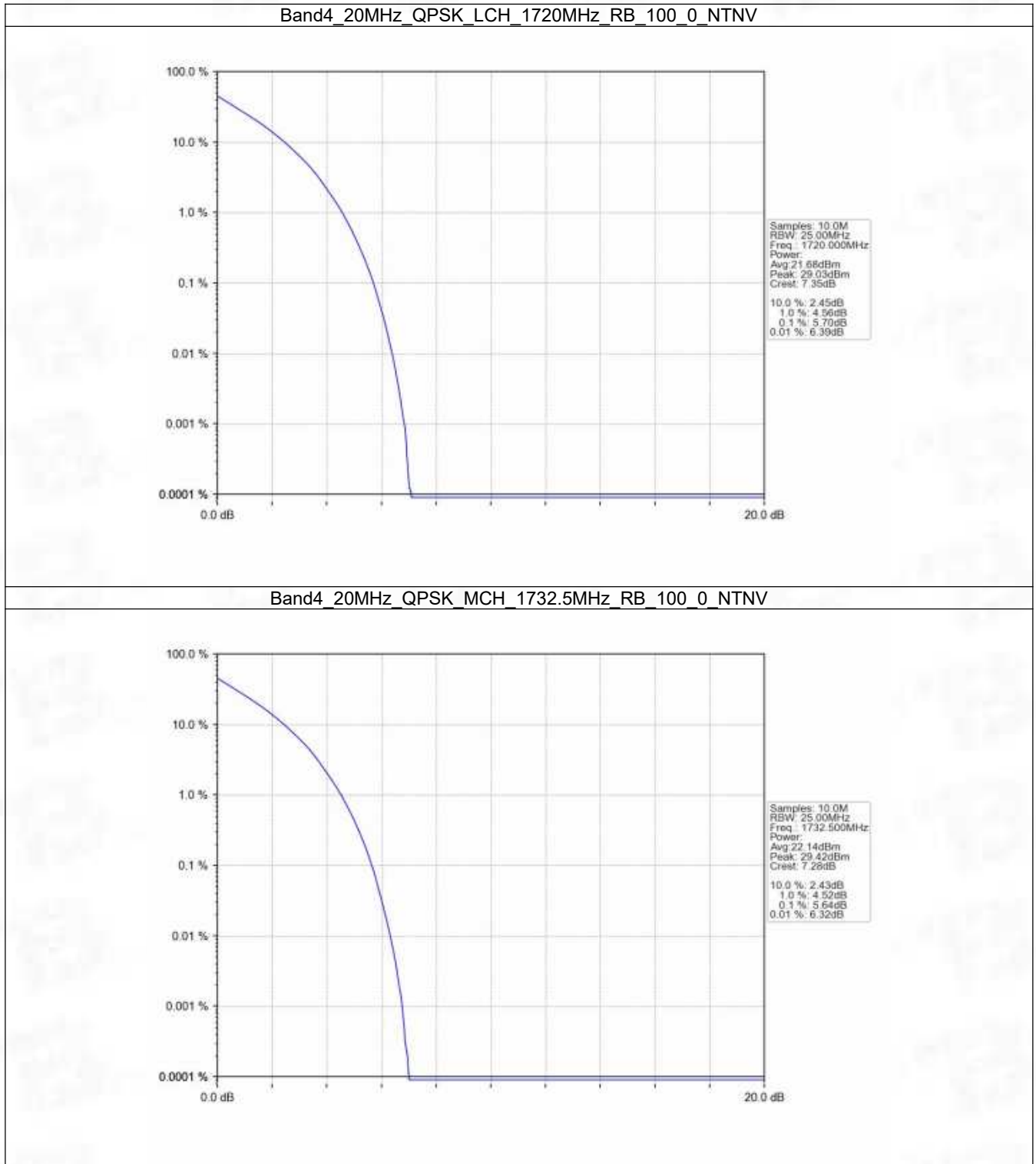


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



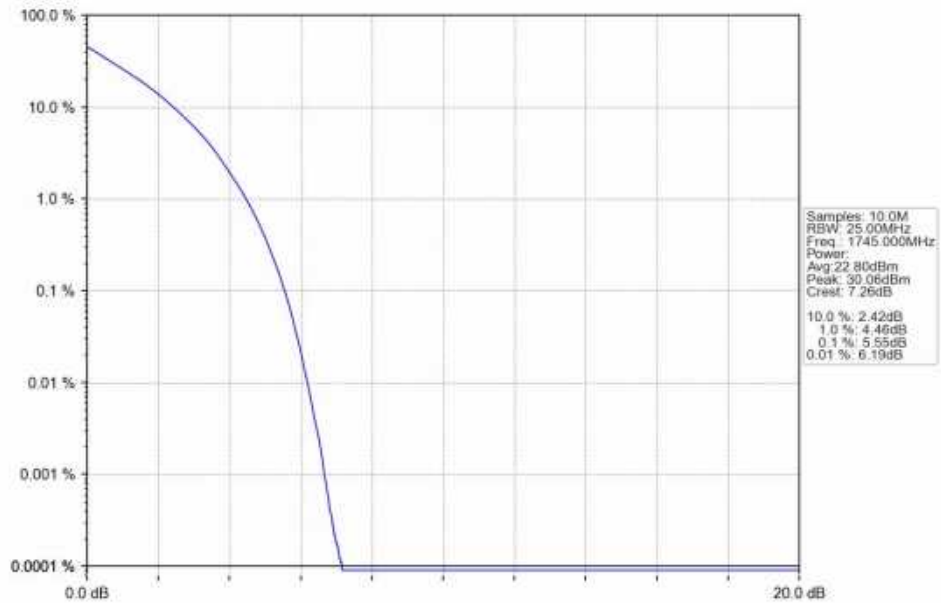


5.2.6 B4_20MHz

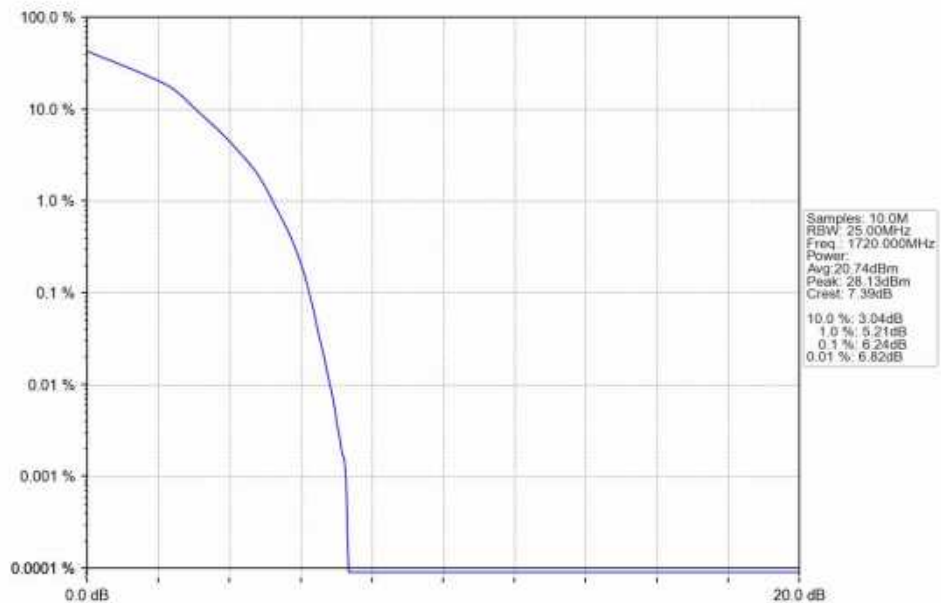




Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

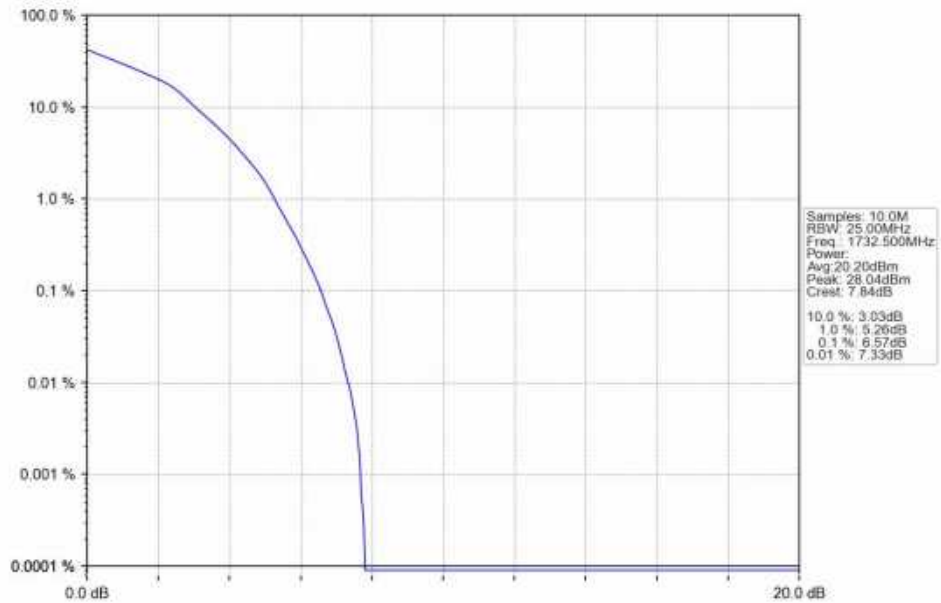


Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV

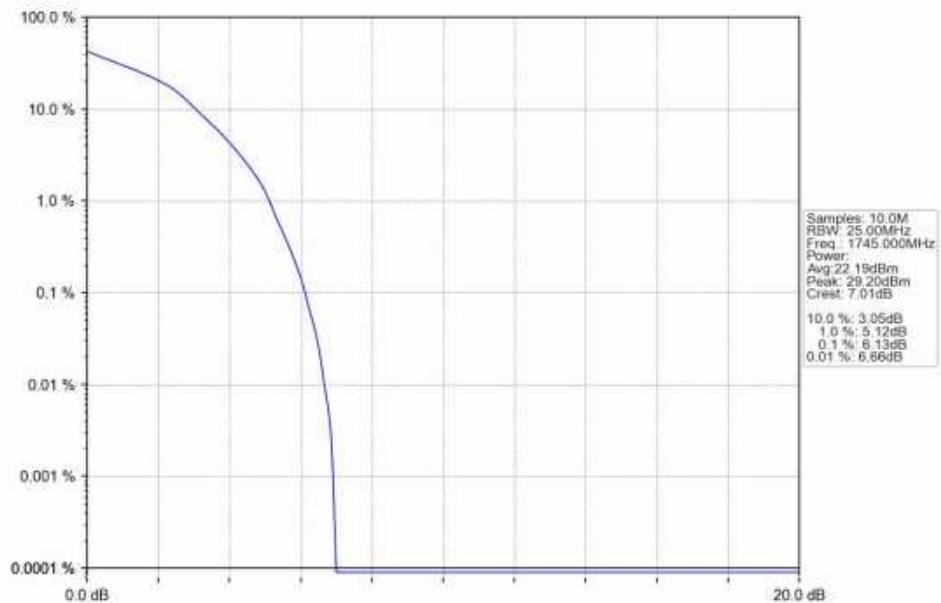




Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV





6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	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
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass
16QAM	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
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
		6	0	Refer To Test Graph	Pass

6.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	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
		1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
16QAM	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
		1	0	Refer To Test Graph	Pass
			14	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass

6.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	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
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	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

6.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	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
16QAM	1715	1	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

6.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	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
16QAM	1717.5	1	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

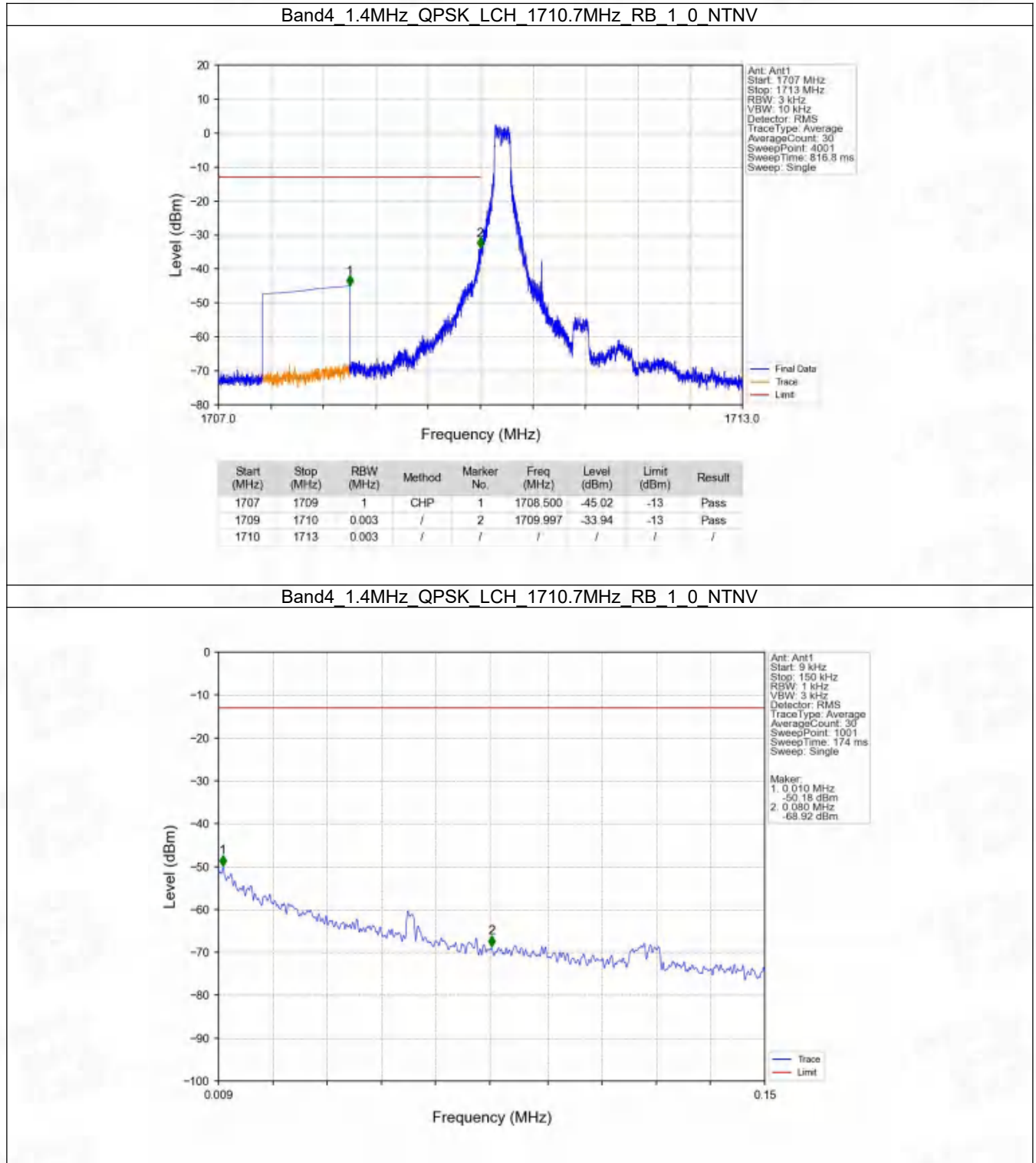
6.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	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
16QAM	1720	1	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



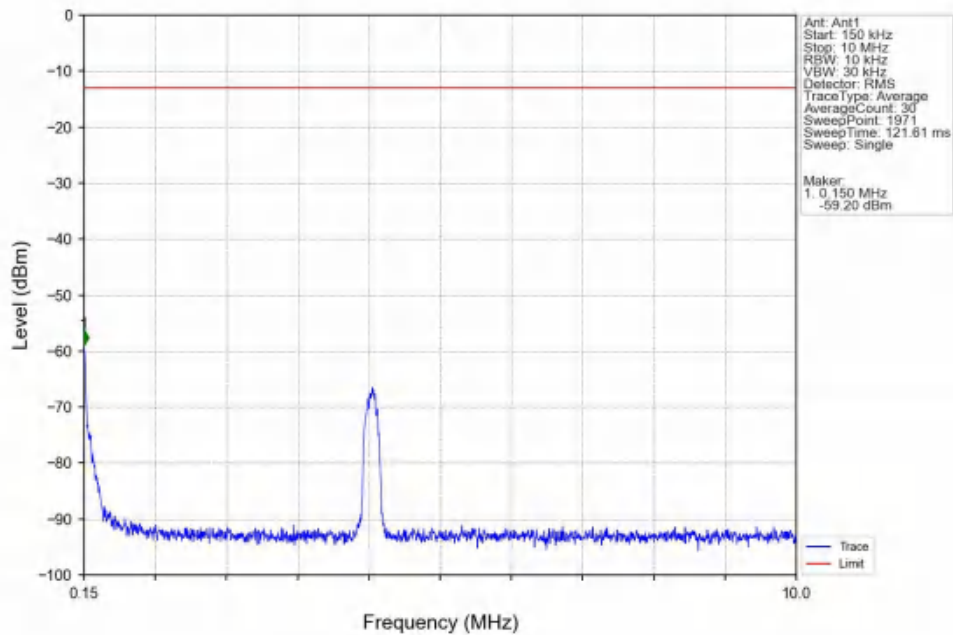
6.2 Test Graph

6.2.1 B4_1.4MHz

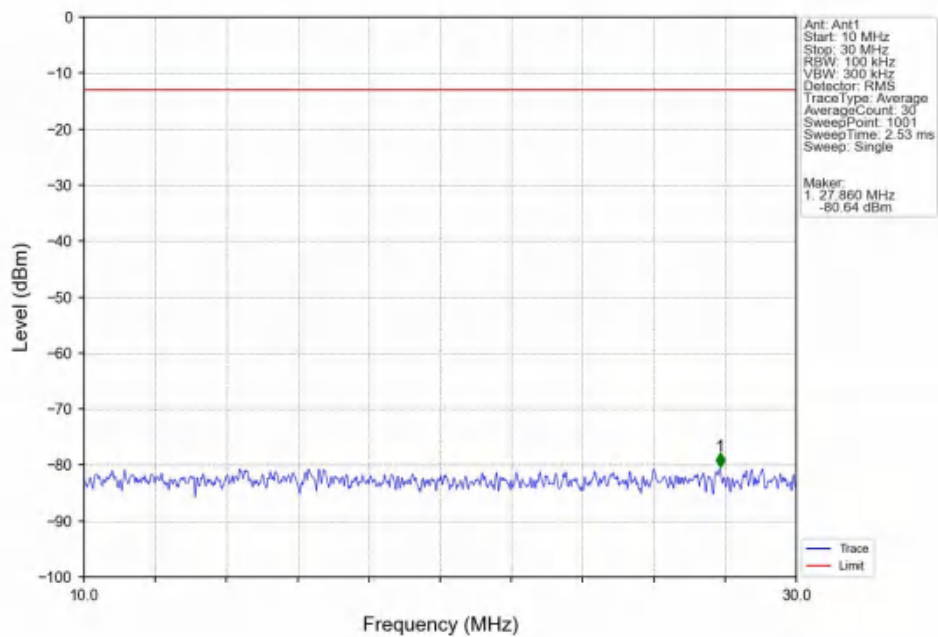




Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

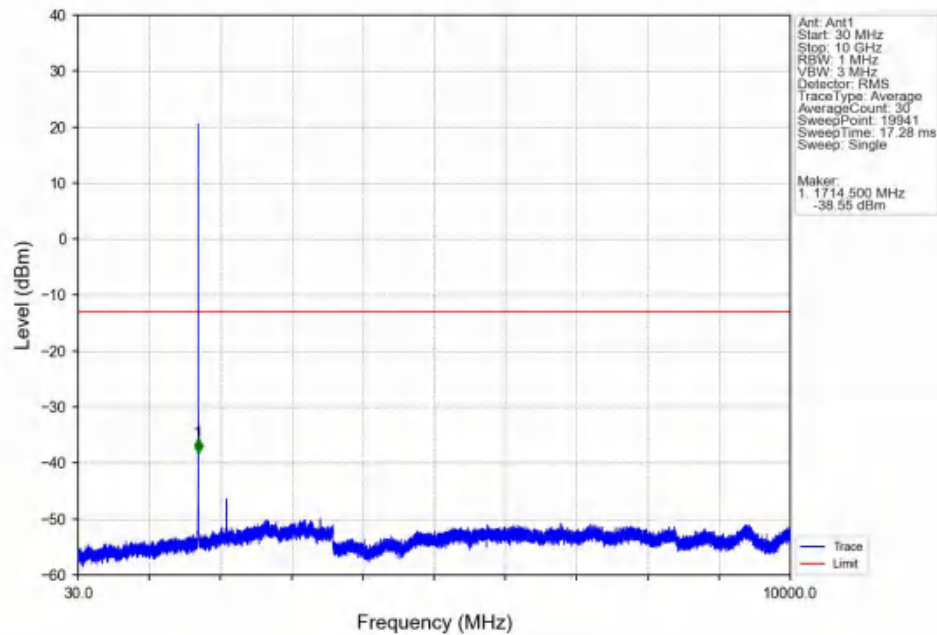


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

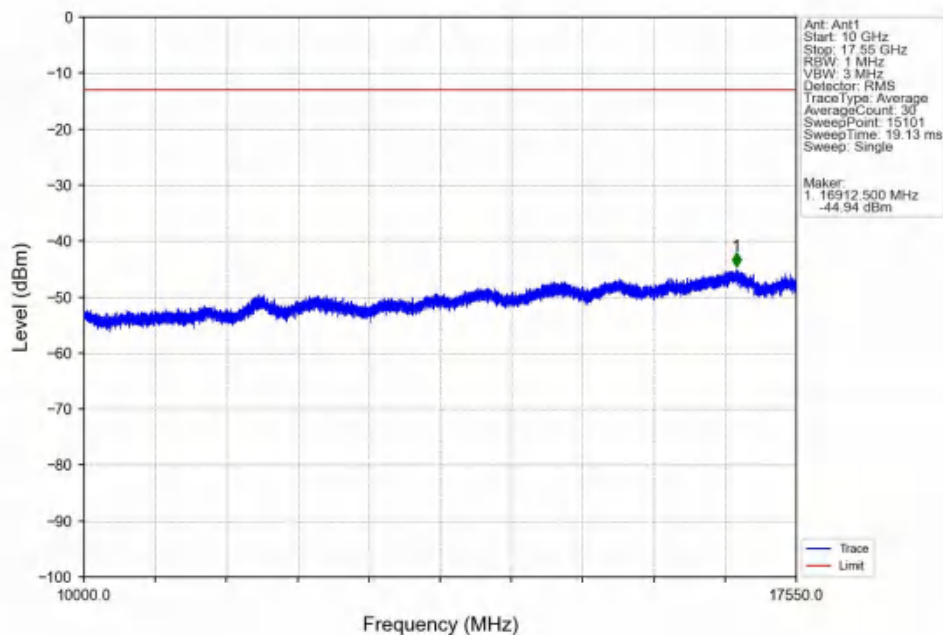




Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

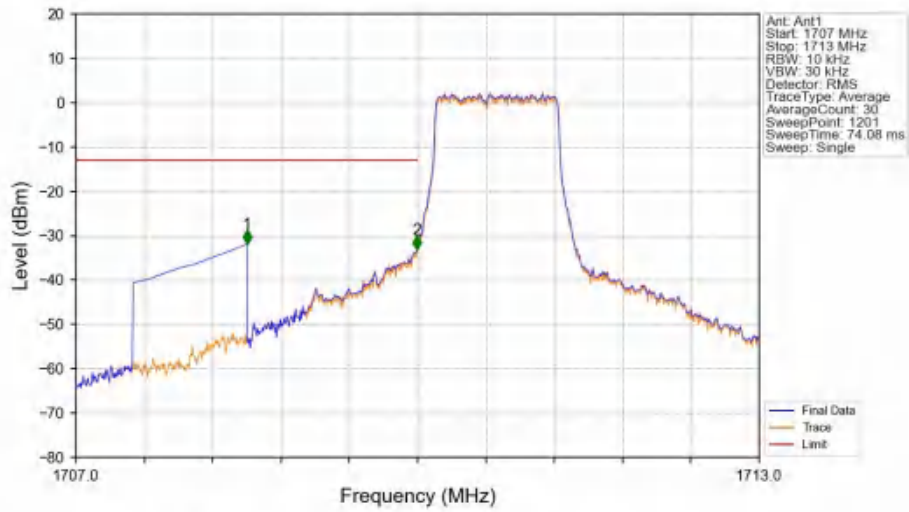


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



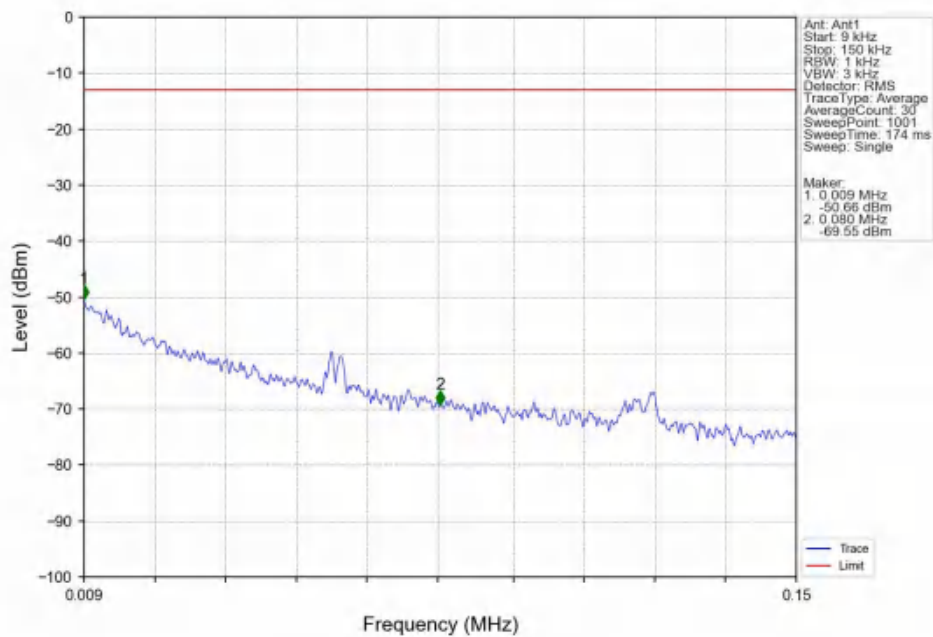


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



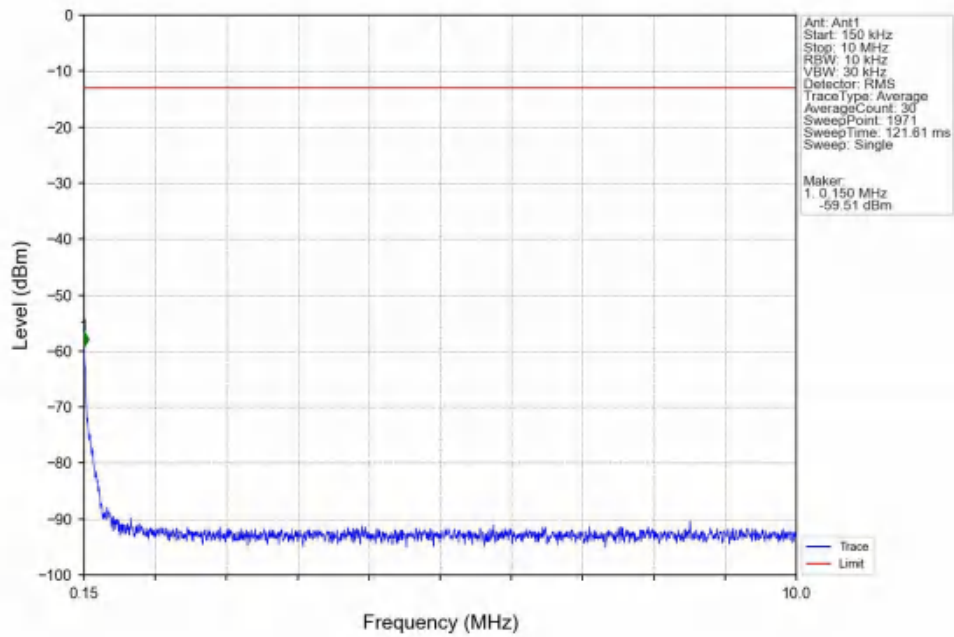
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-31.91	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-33.12	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

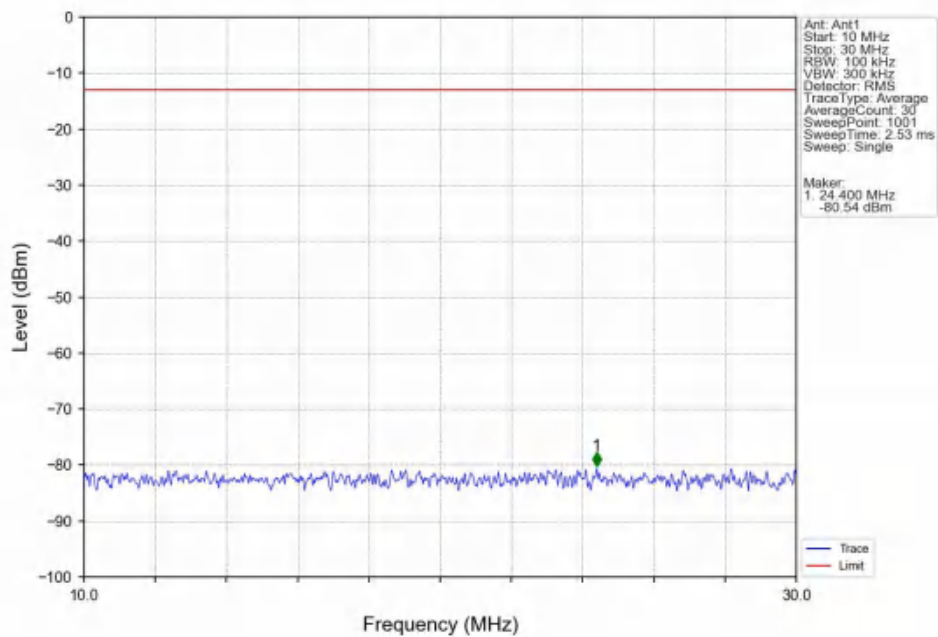




Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

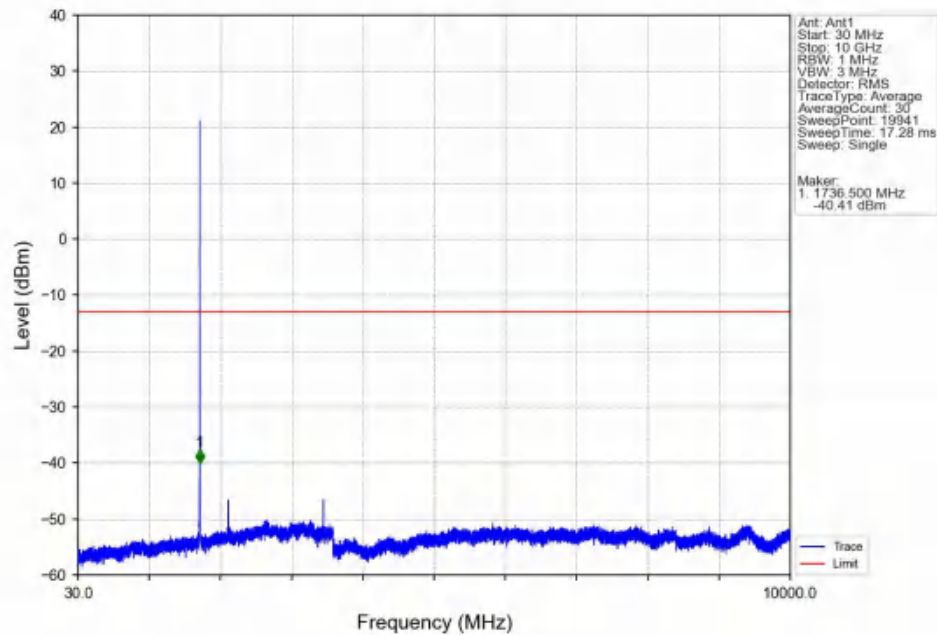


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

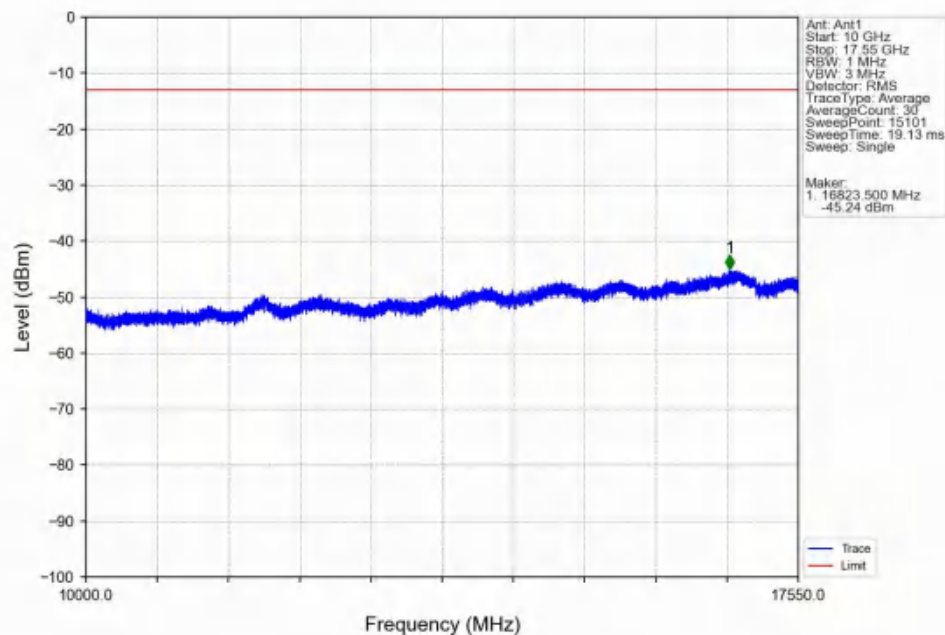




Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

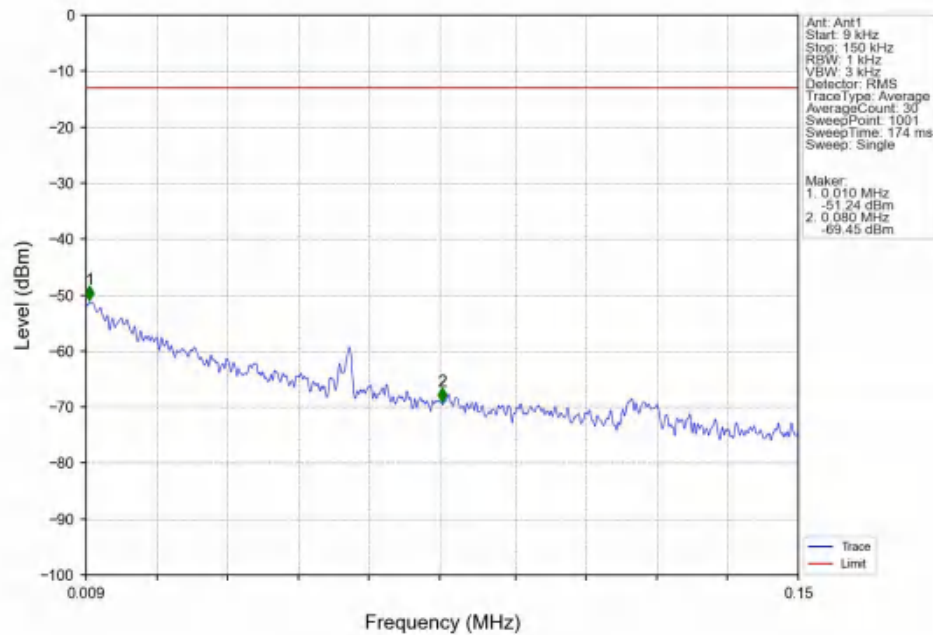


Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

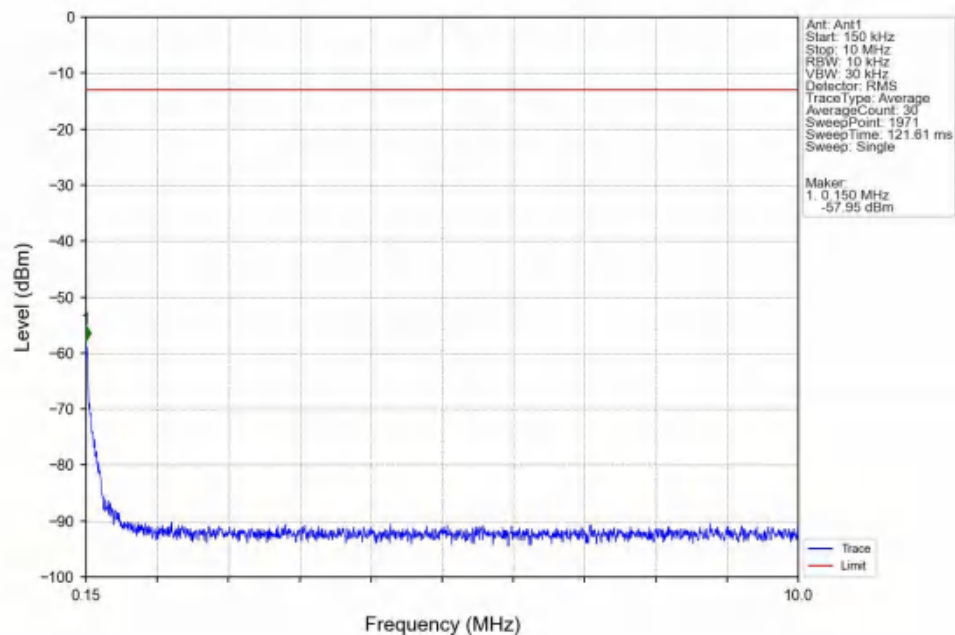




Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

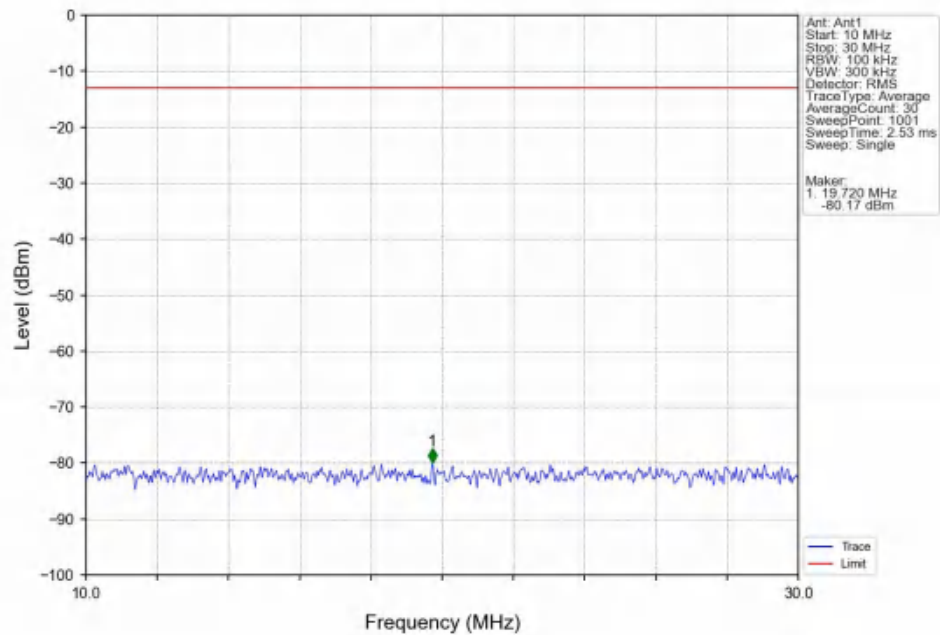


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

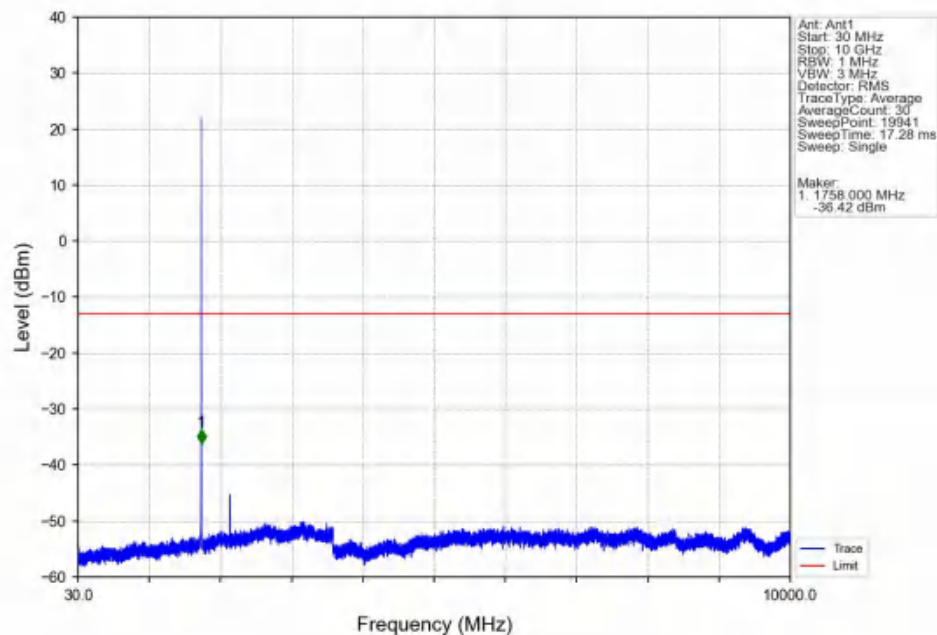




Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

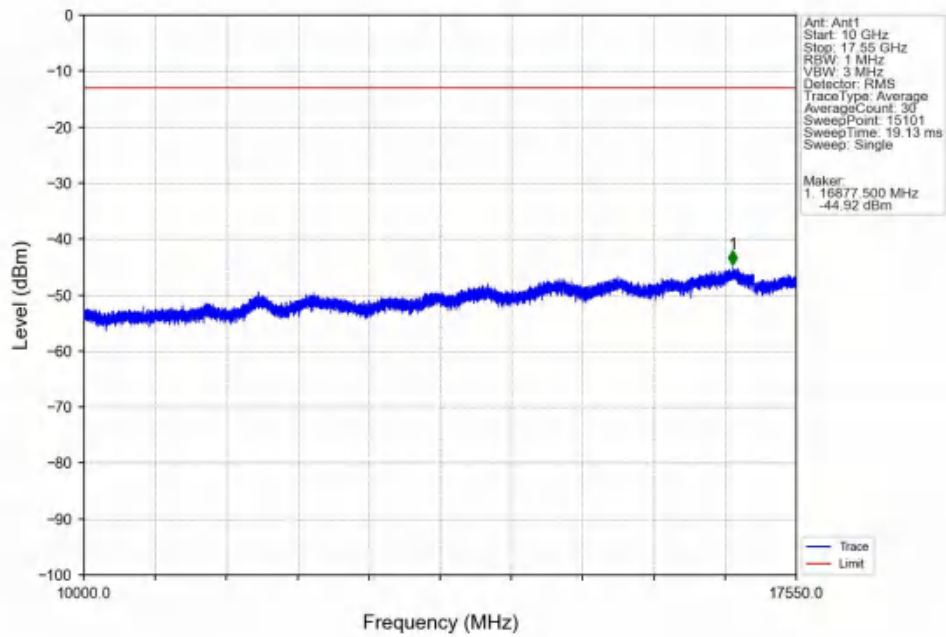


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

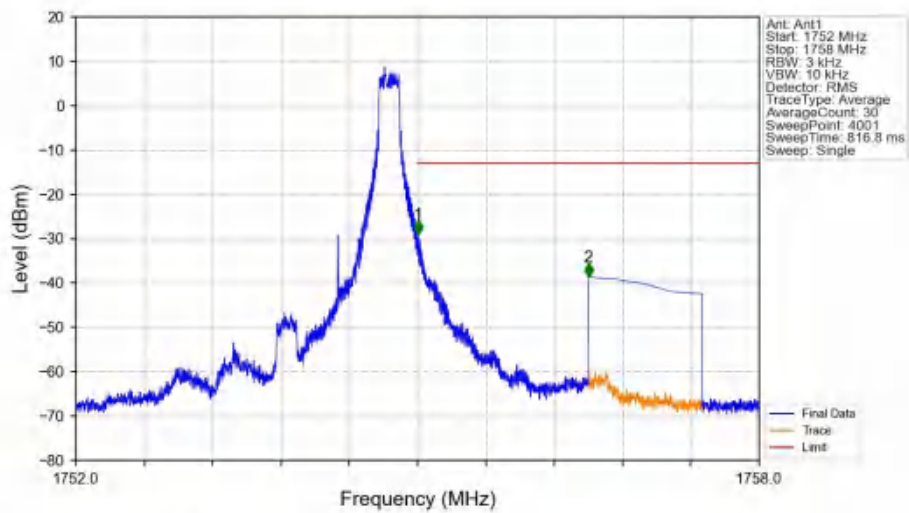




Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



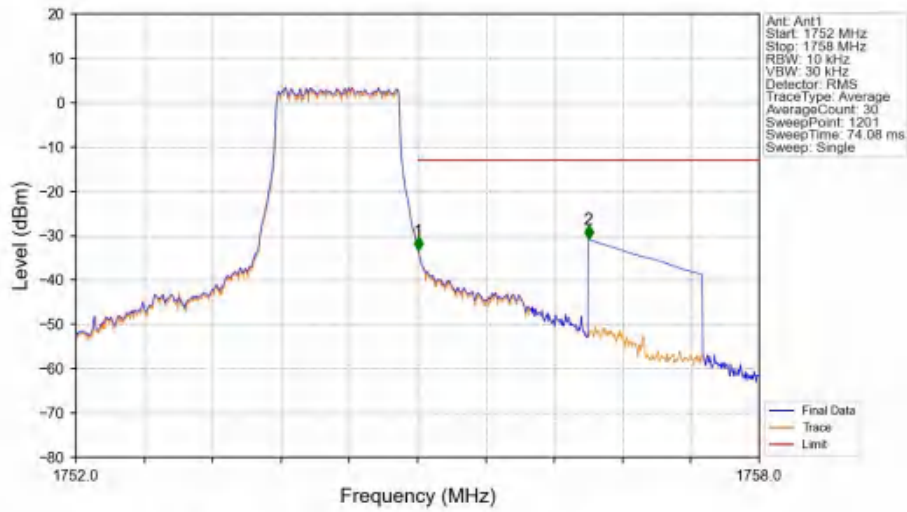
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



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	1755.005	-28.94	-13	Pass
1756	1758	1	CHP	2	1756.500	-38.67	-13	Pass

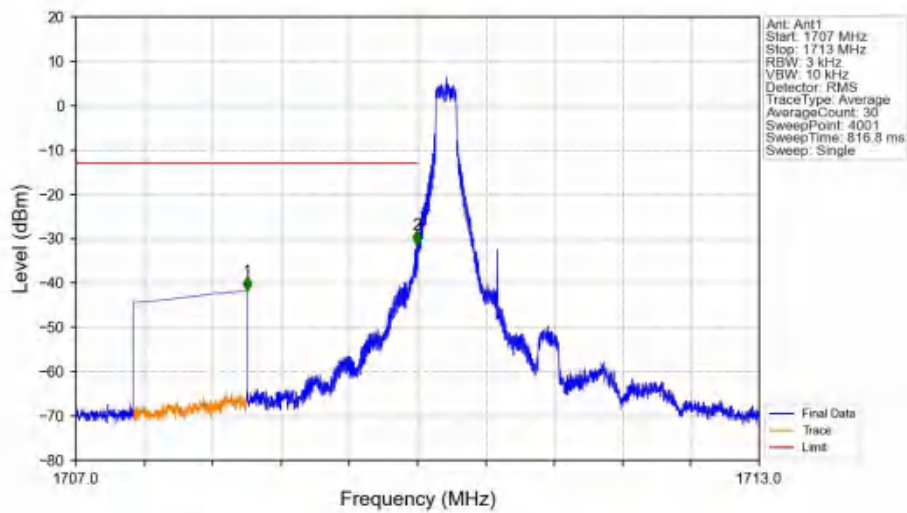


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



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	1755.005	-33.36	-13	Pass
1756	1758	1	CHP	2	1756.500	-30.81	-13	Pass

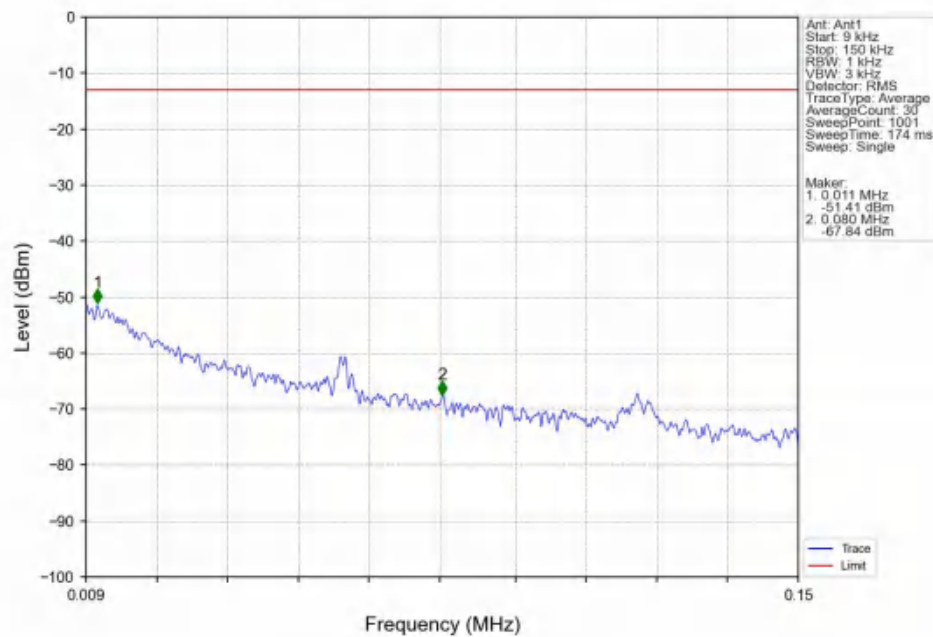
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



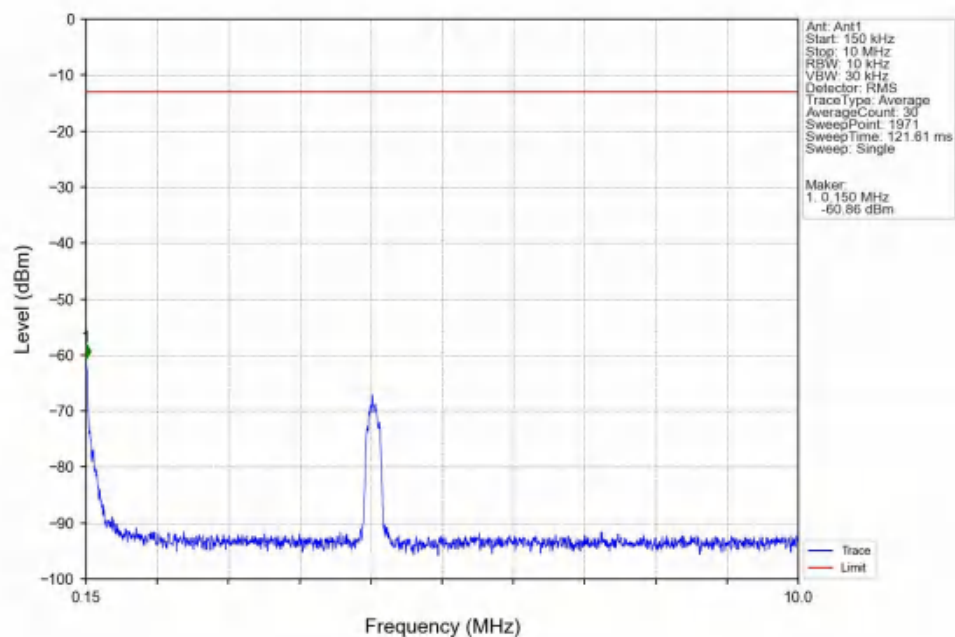
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-41.70	-13	Pass
1709	1710	0.003	/	2	1709.994	-31.32	-13	Pass
1710	1713	0.003	/	/	/	/	/	/



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

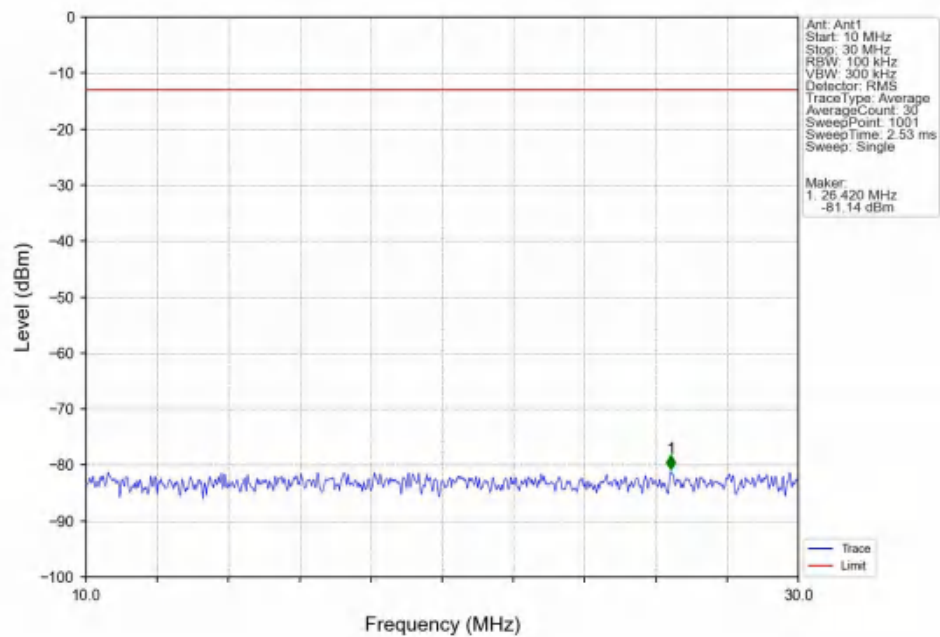


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

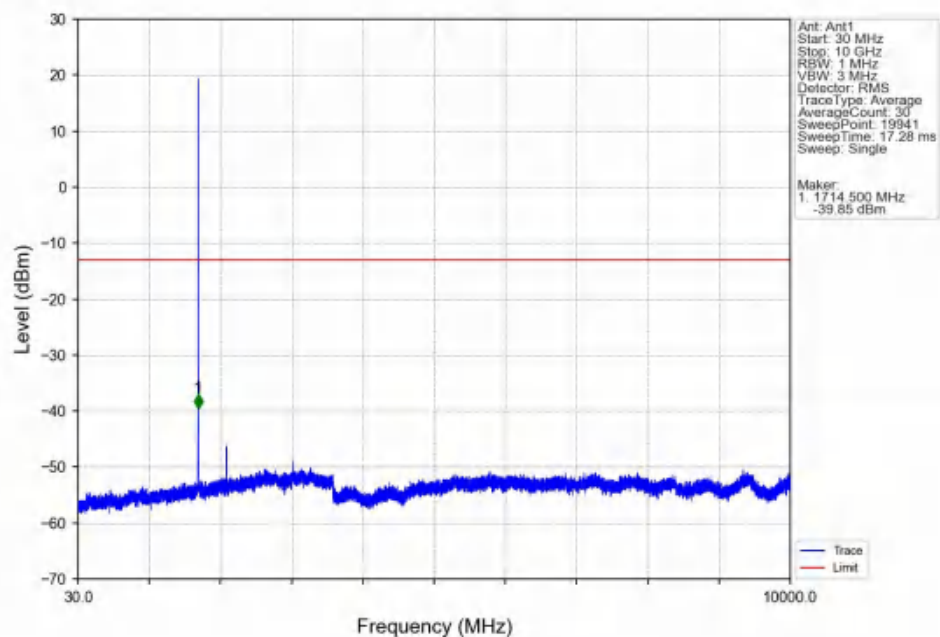




Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

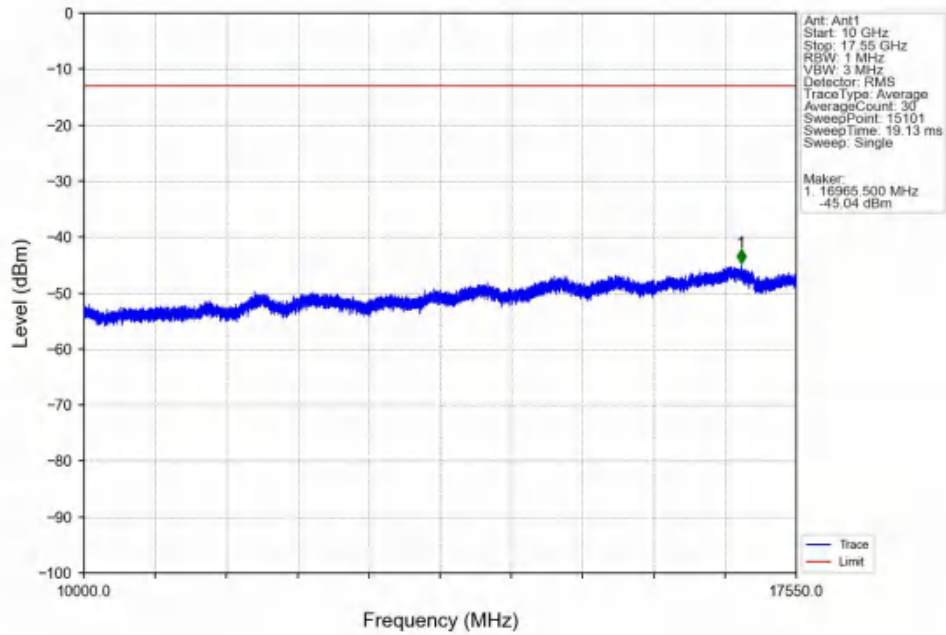


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

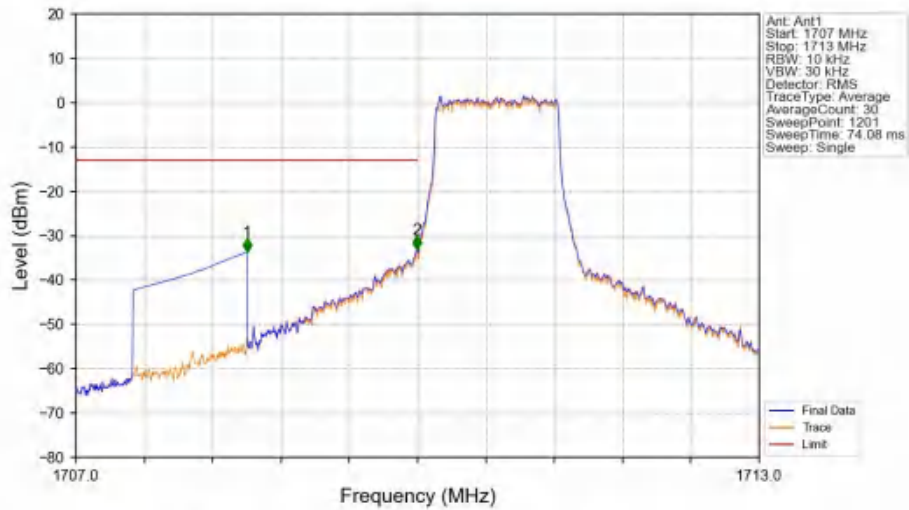




Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



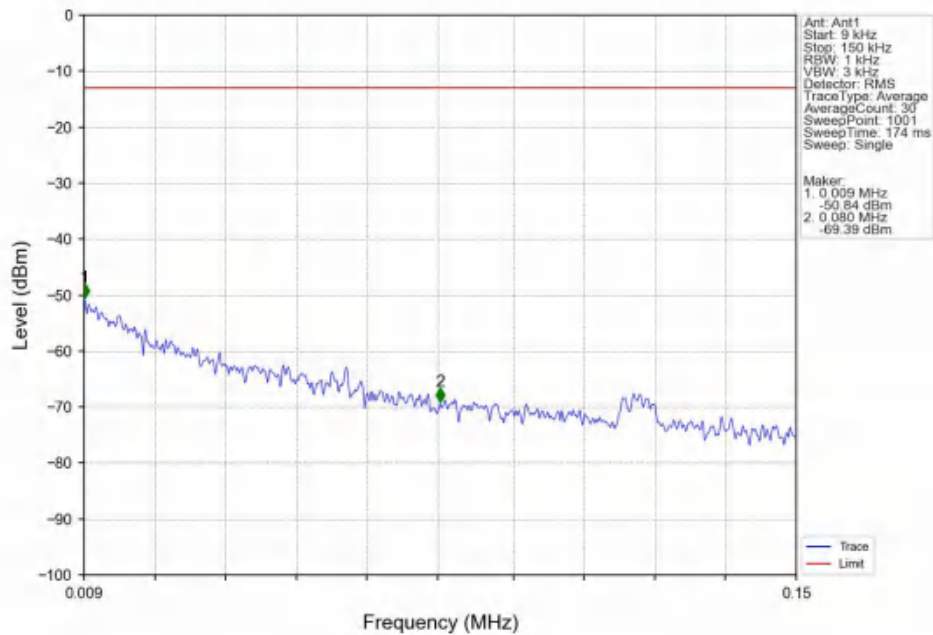
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



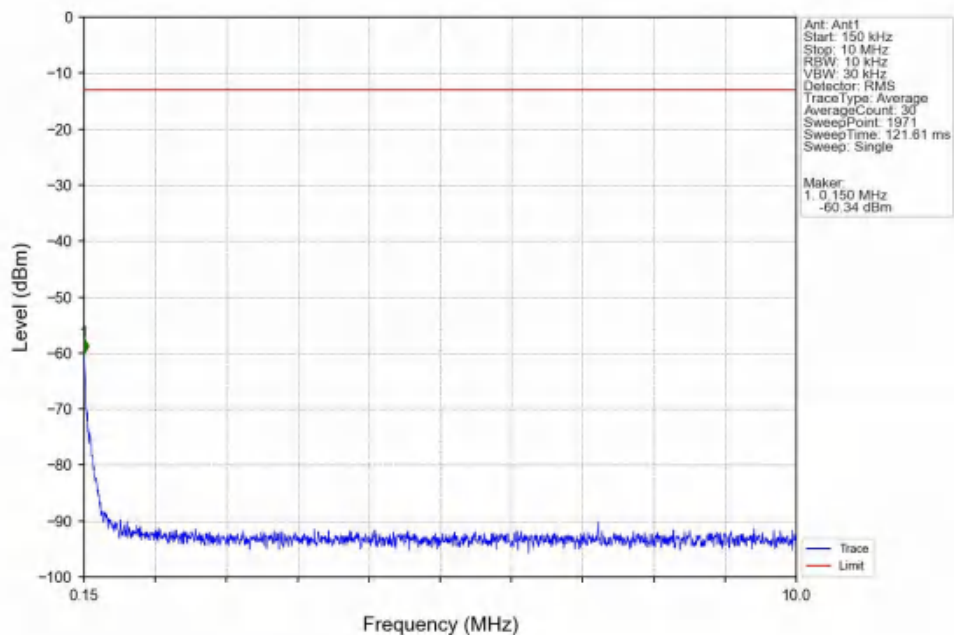
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-33.73	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-33.16	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

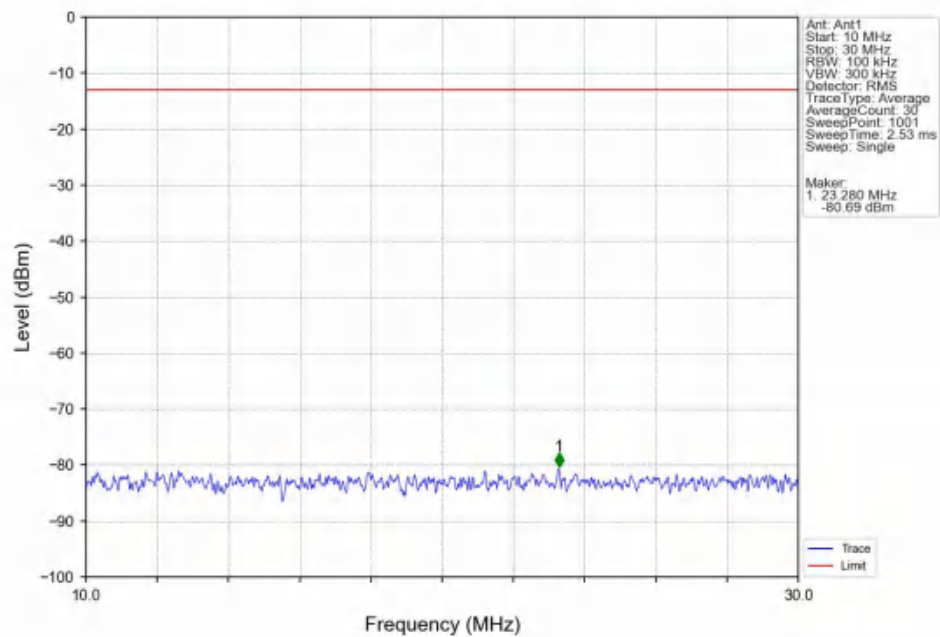


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

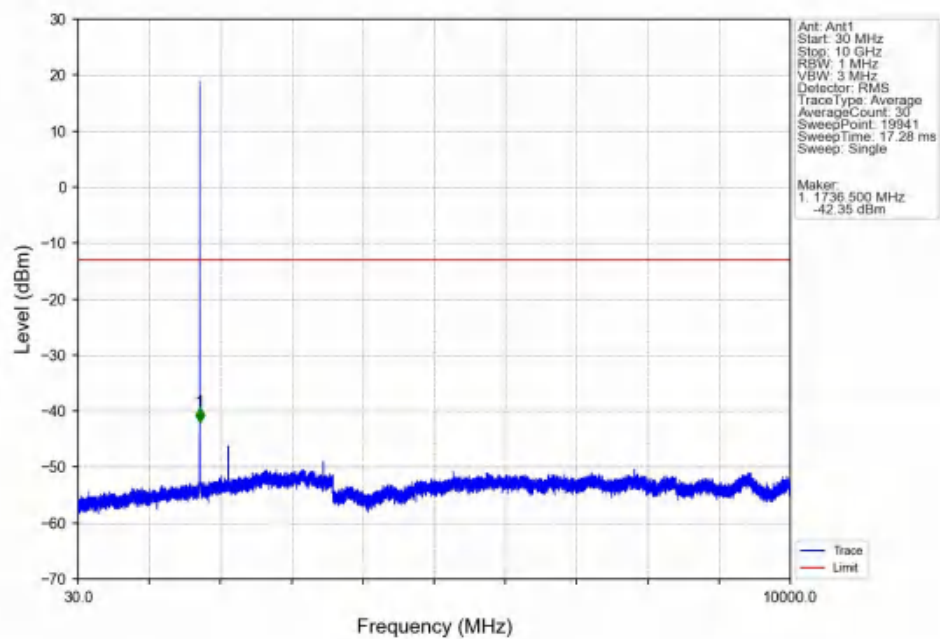




Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

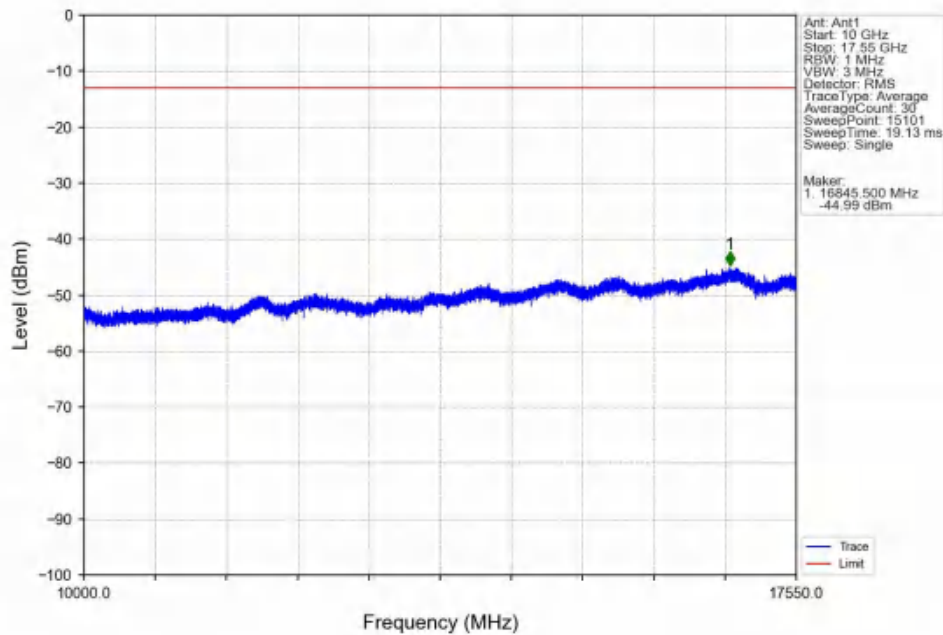


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

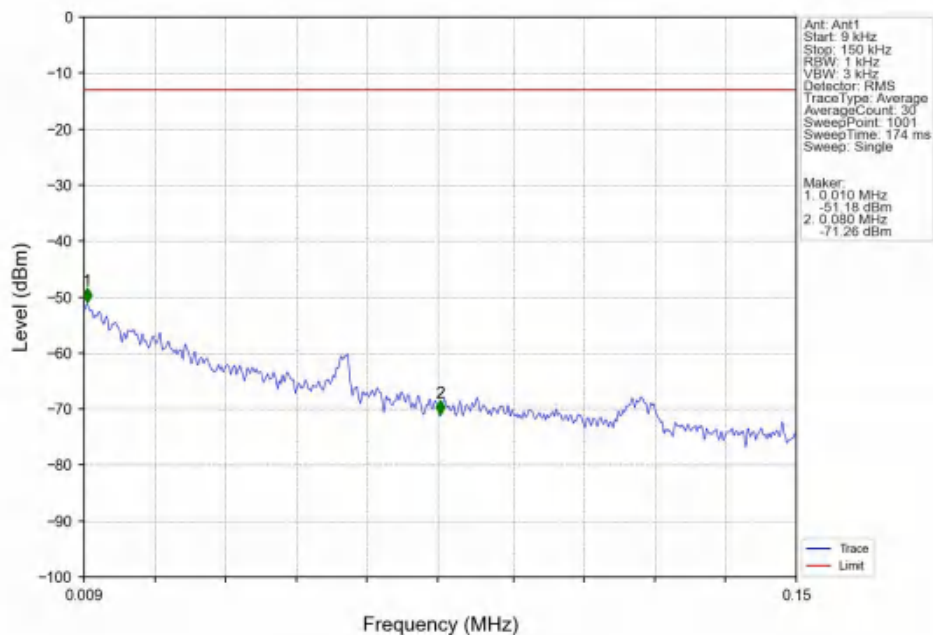




Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

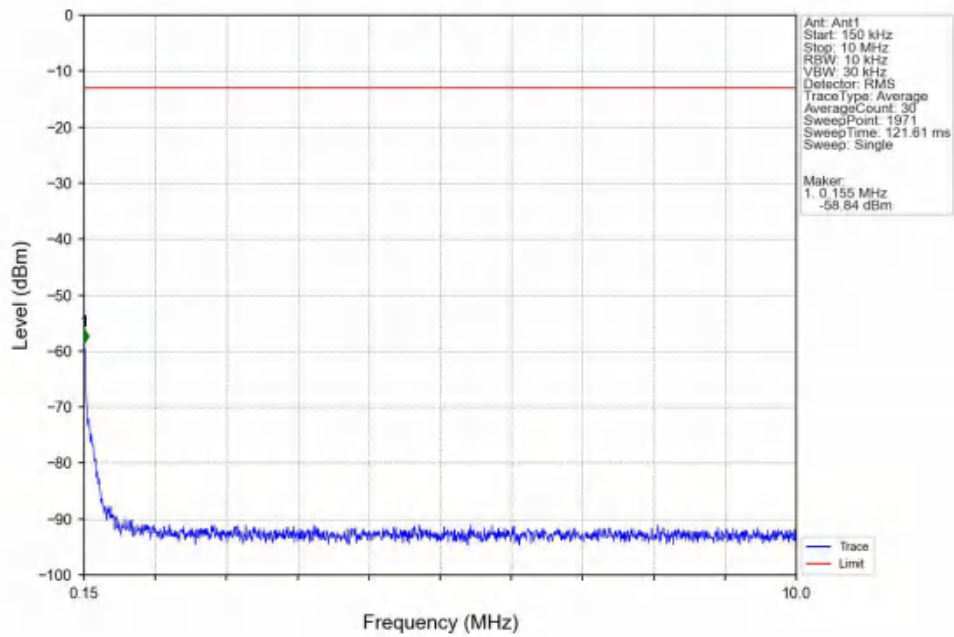


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

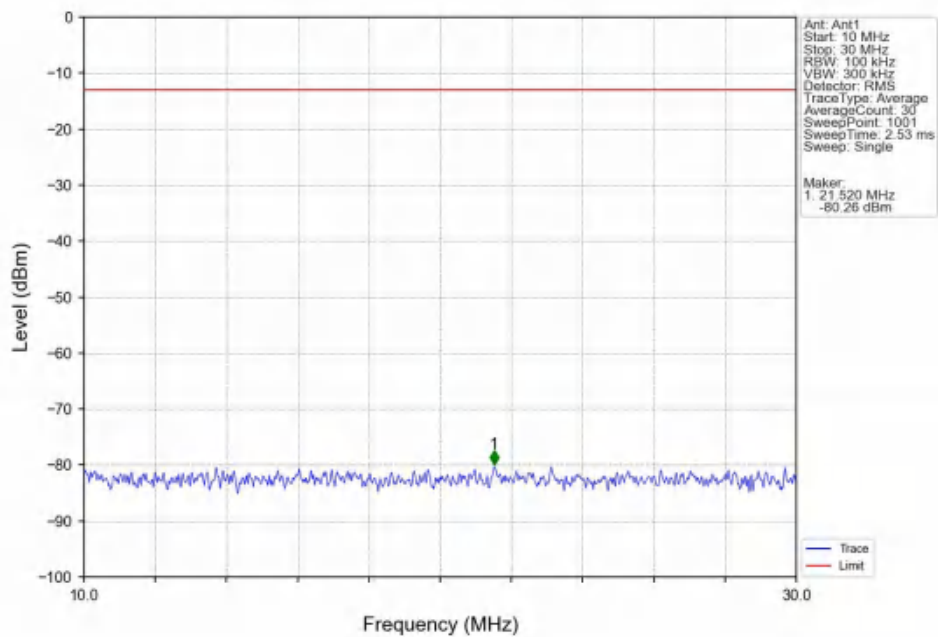




Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

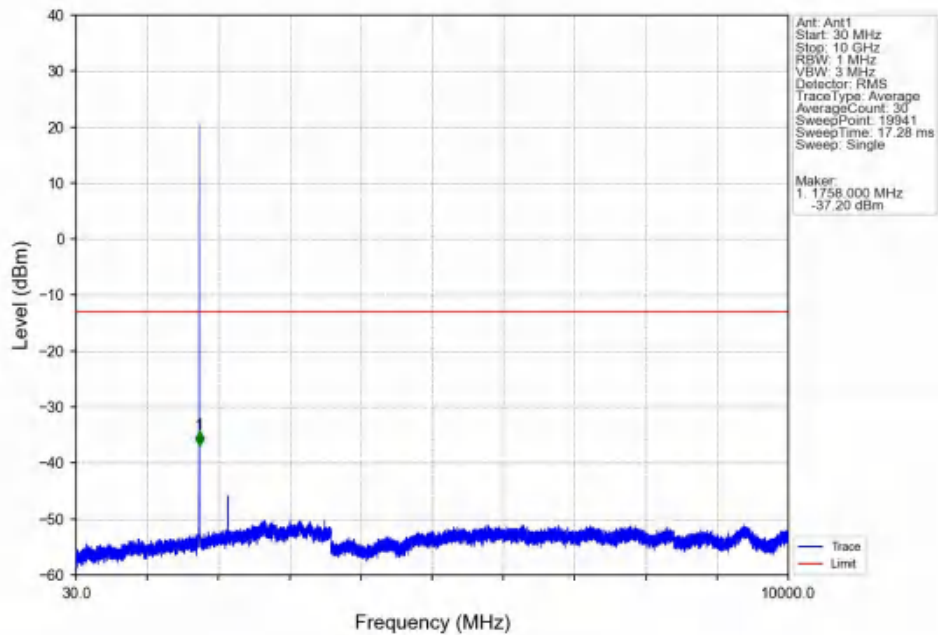


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

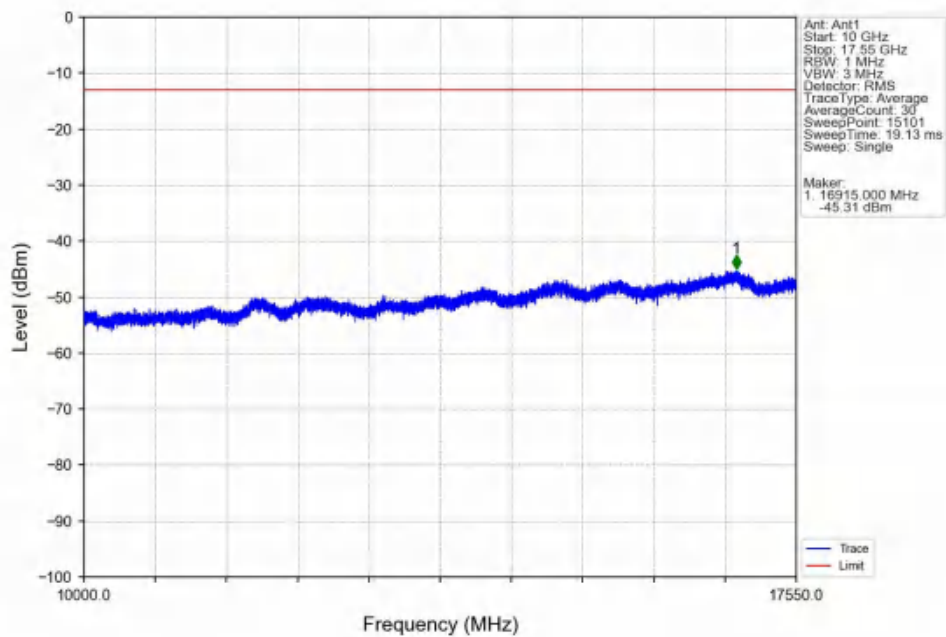




Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

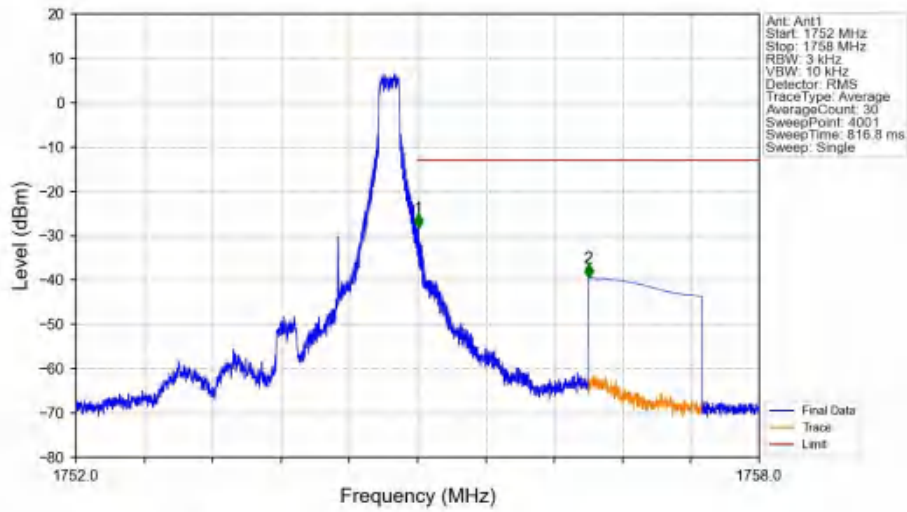


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



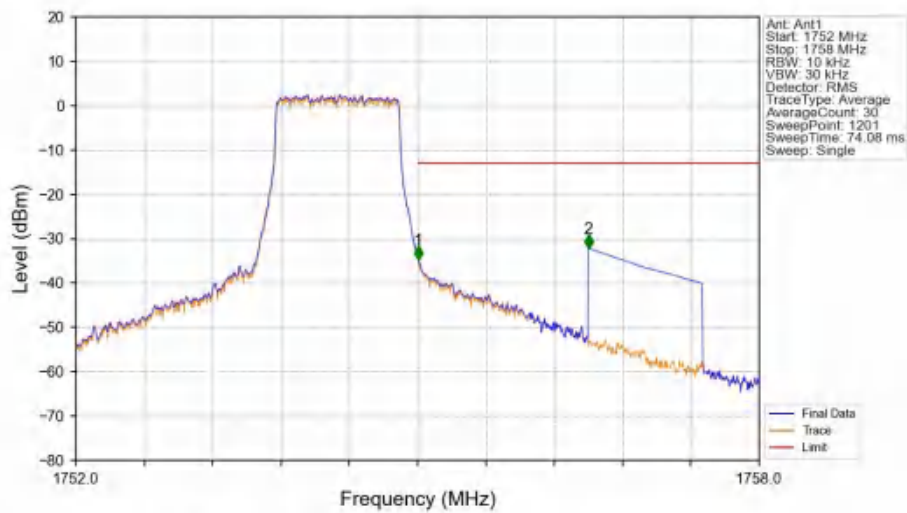


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



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	1755.006	-28.18	-13	Pass
1756	1758	1	CHP	2	1756.500	-39.46	-13	Pass

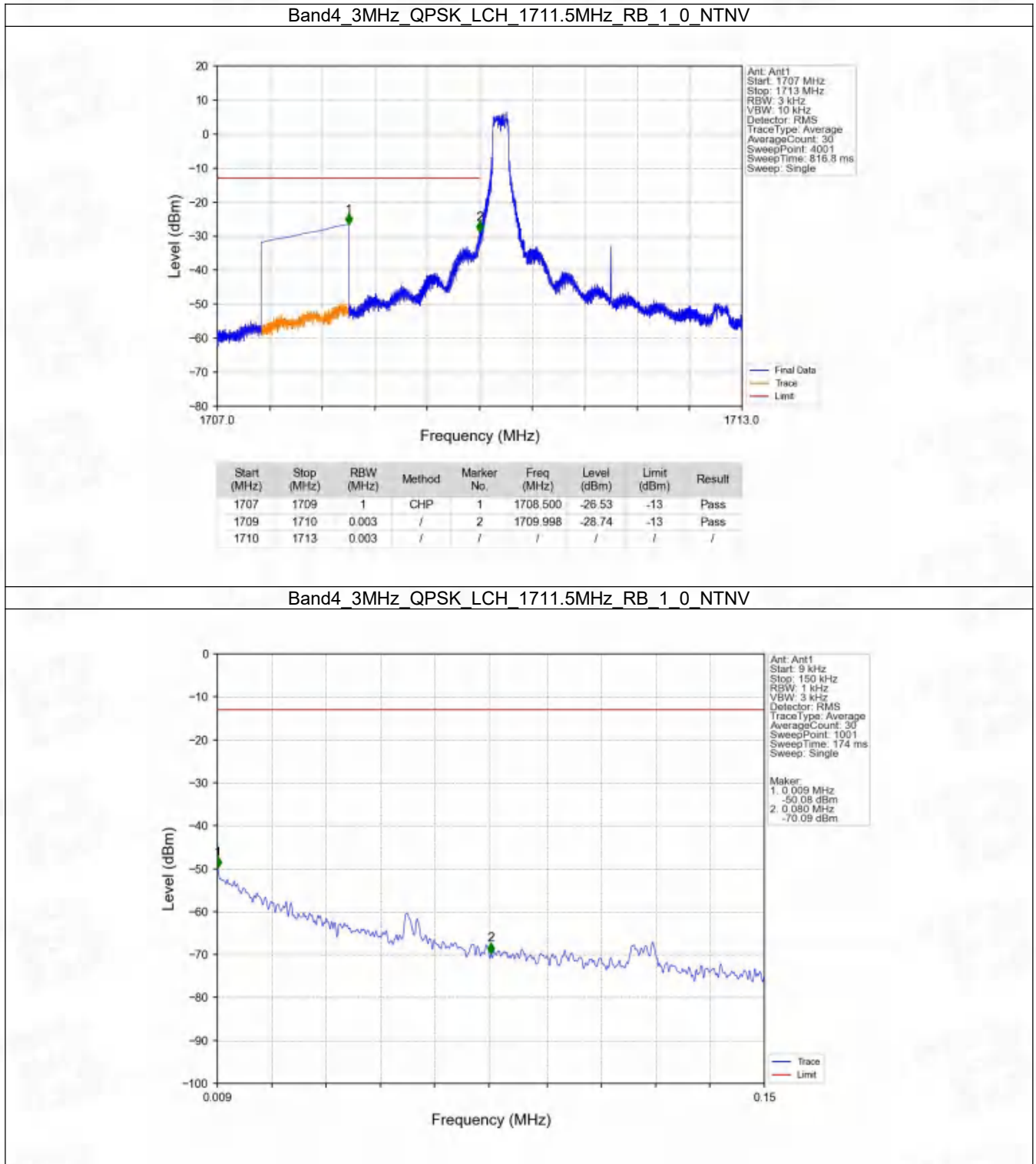
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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	1755.005	-34.80	-13	Pass
1756	1758	1	CHP	2	1756.500	-32.14	-13	Pass

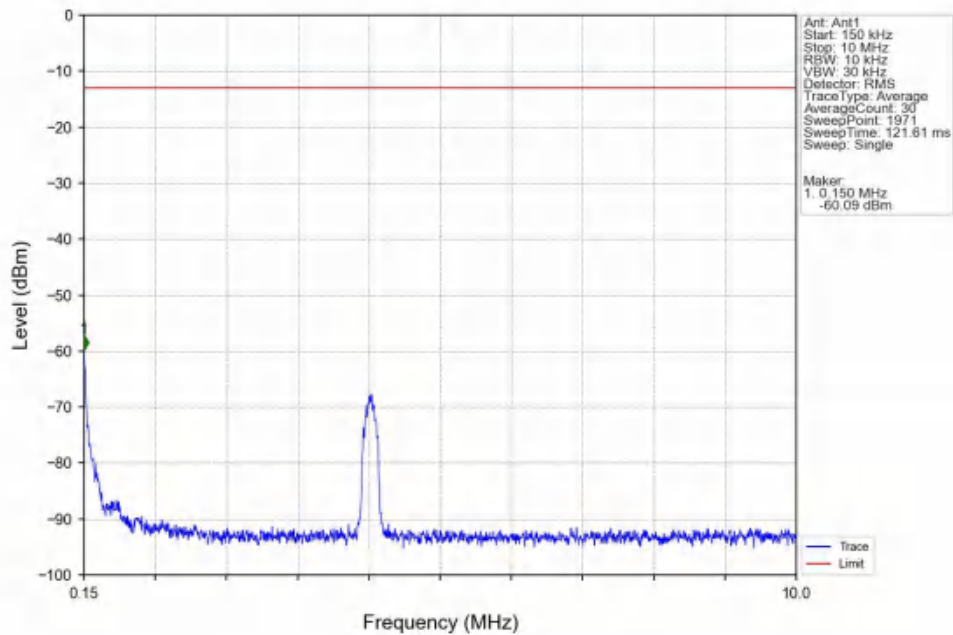


6.2.2 B4_3MHz

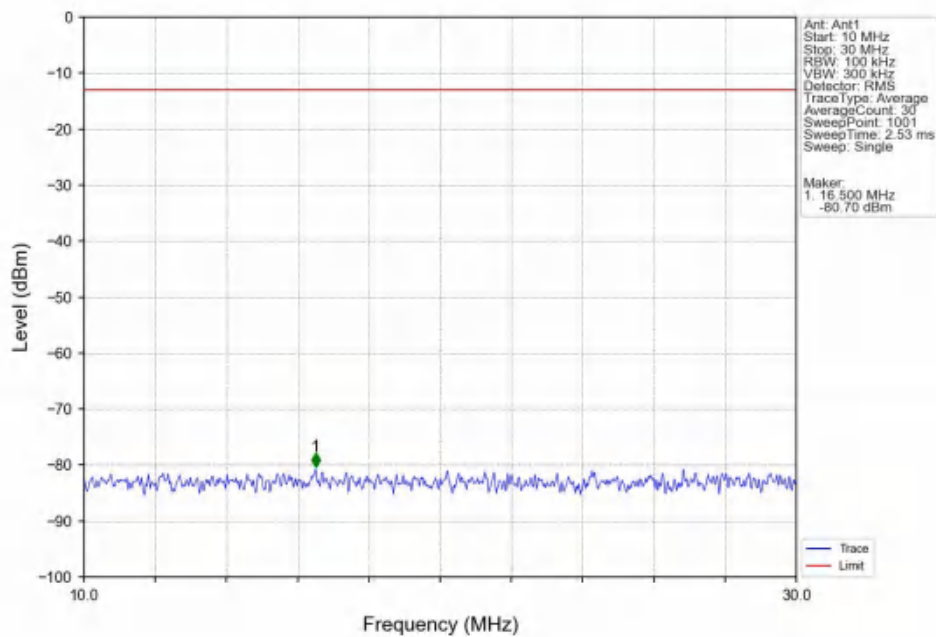




Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

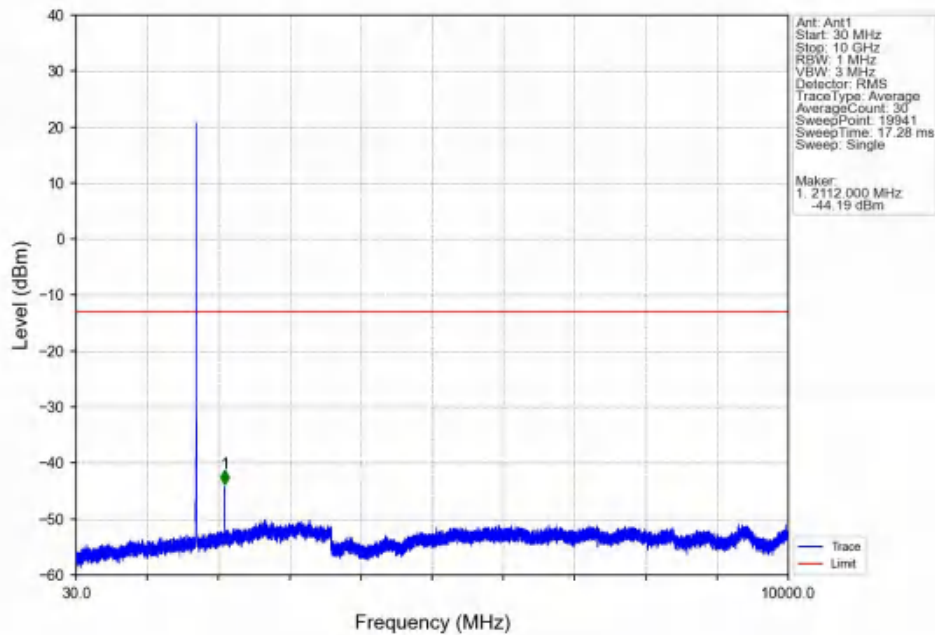


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

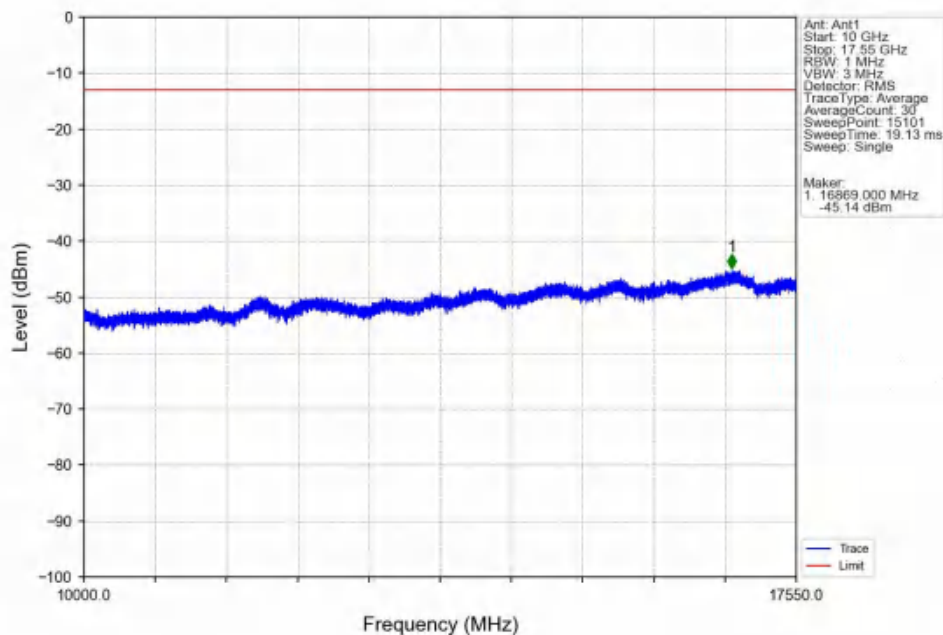




Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

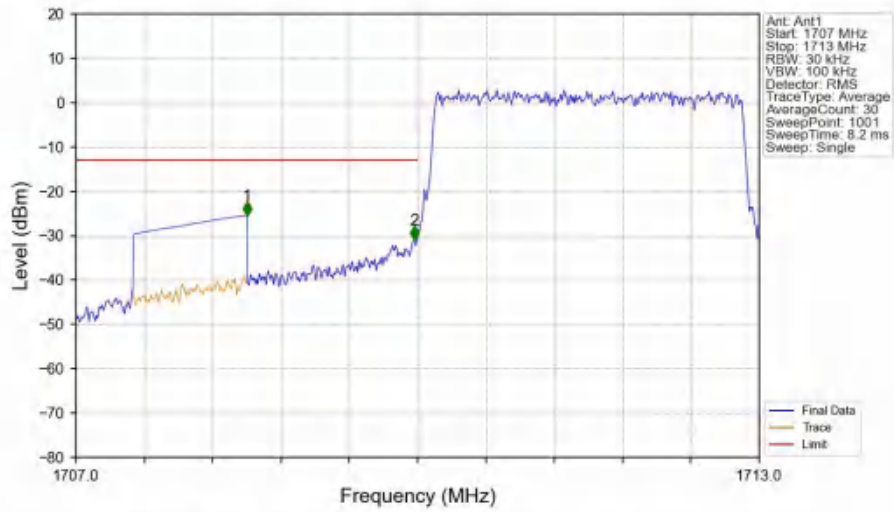


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



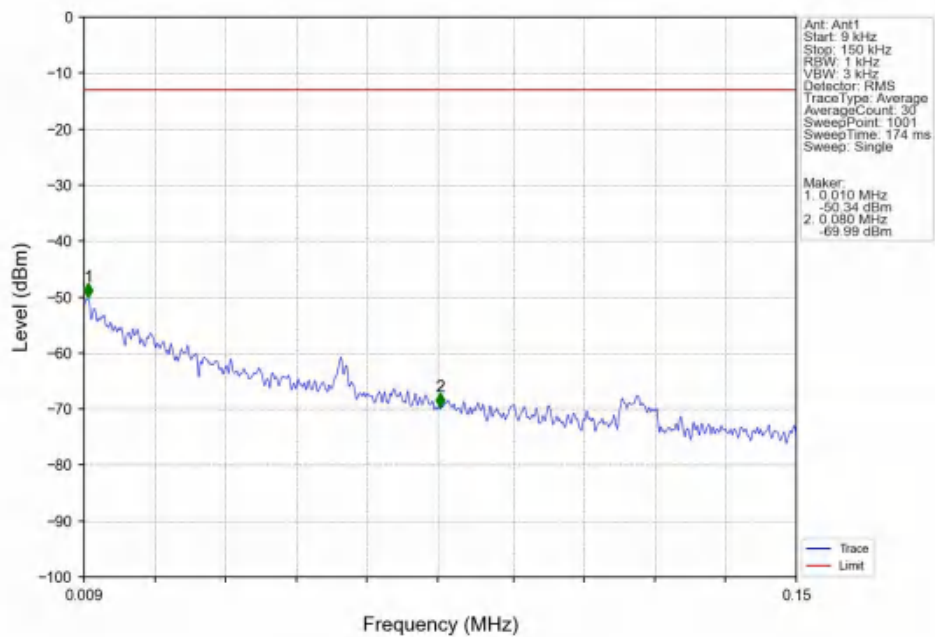


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



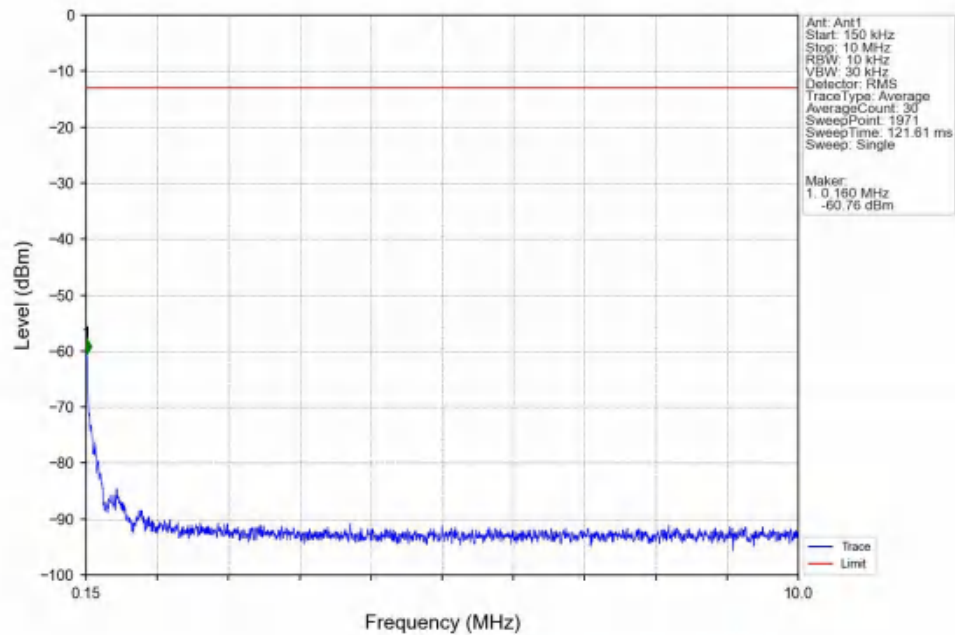
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-25.44	-13	Pass
1709	1710	0.03	/	2	1709.970	-30.97	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

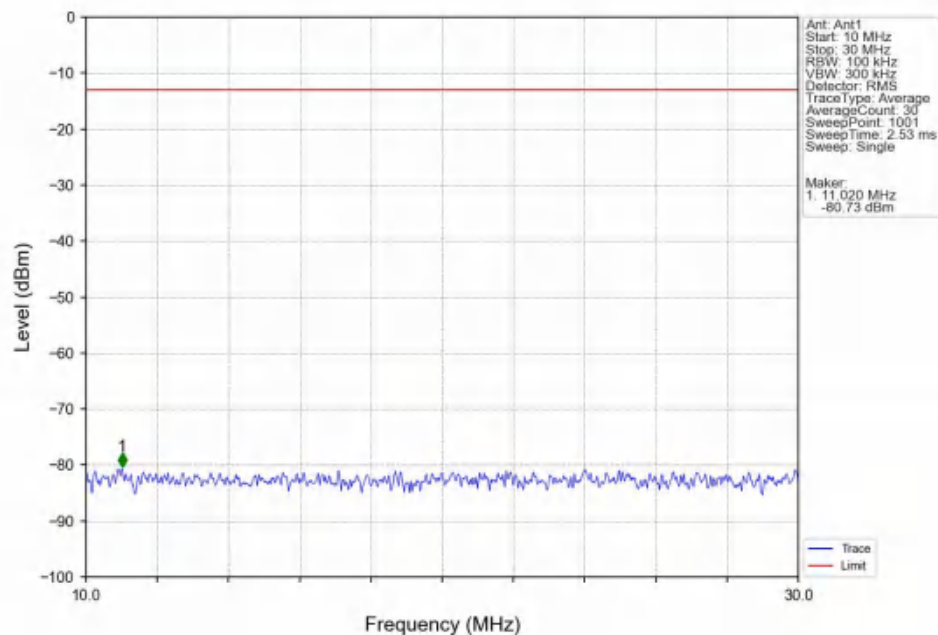




Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

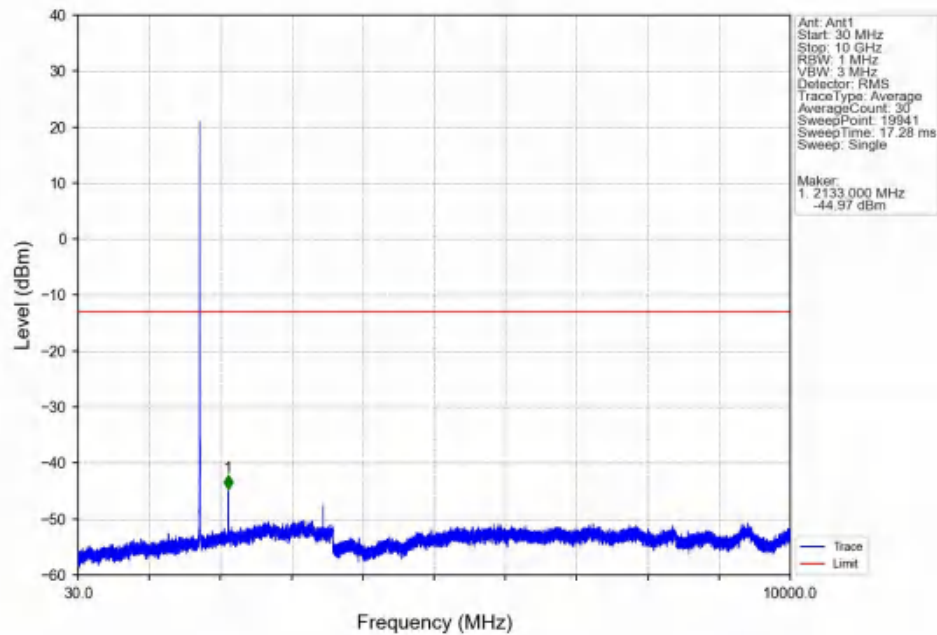


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

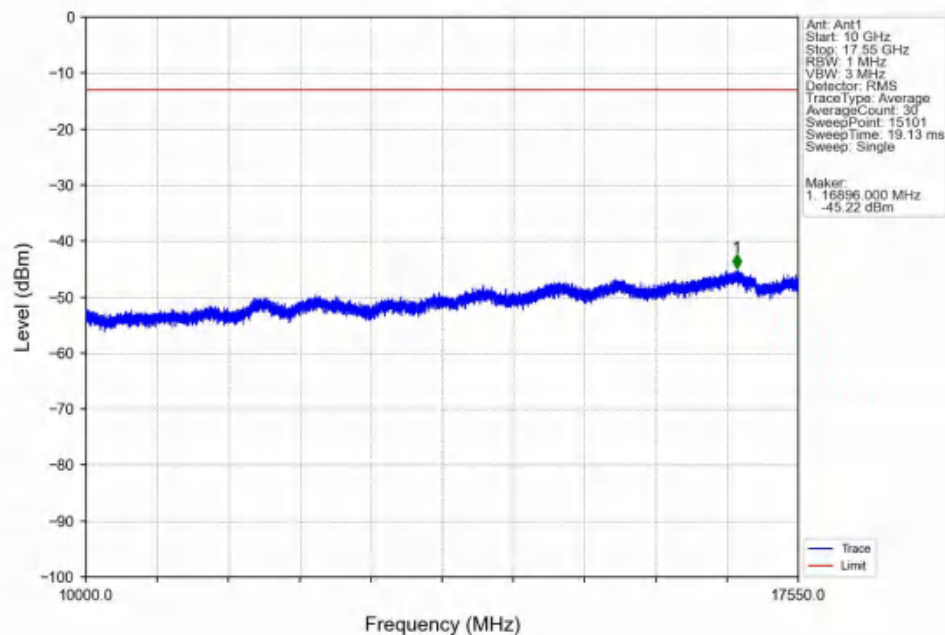




Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

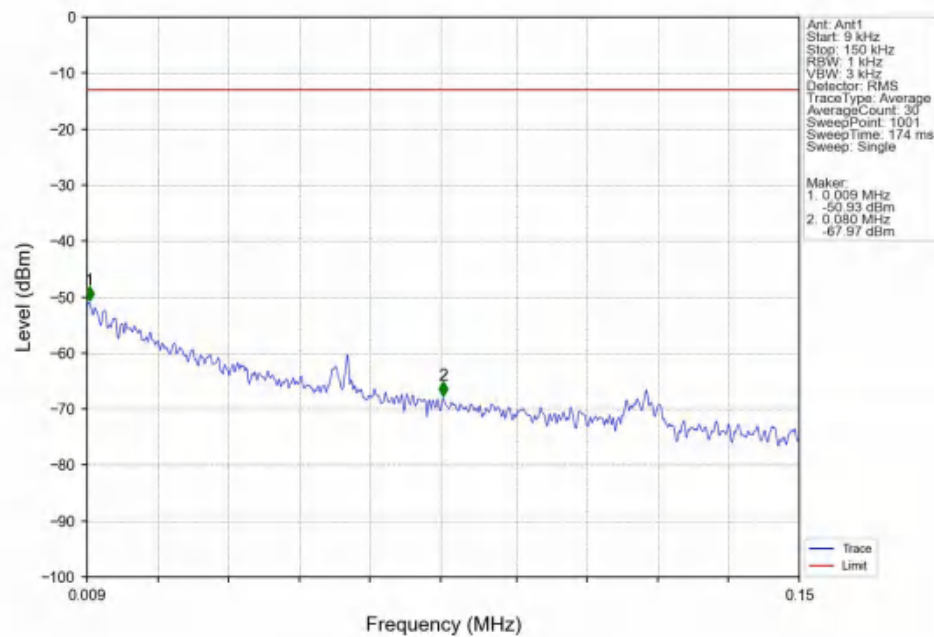


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

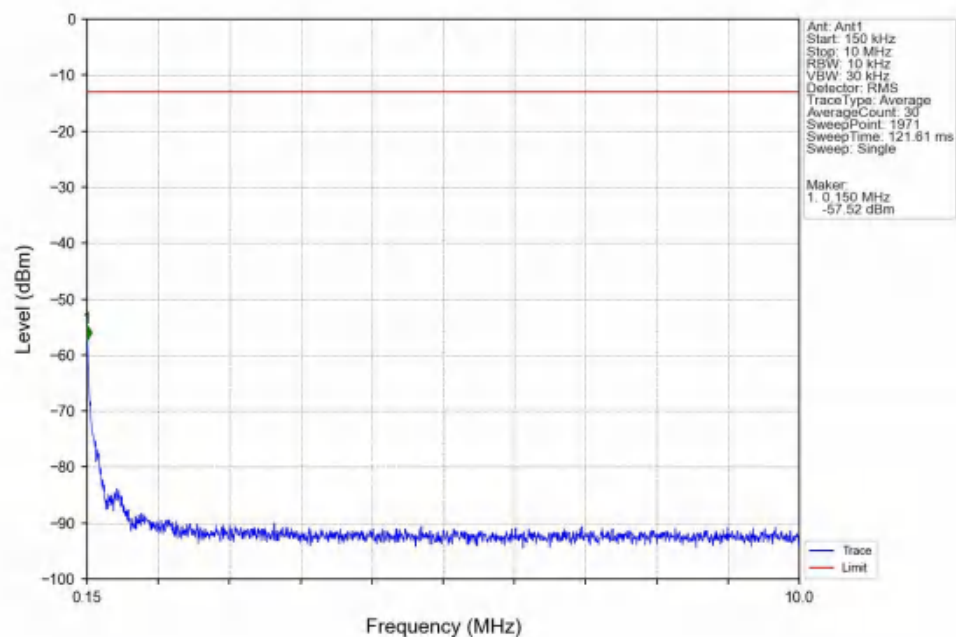




Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

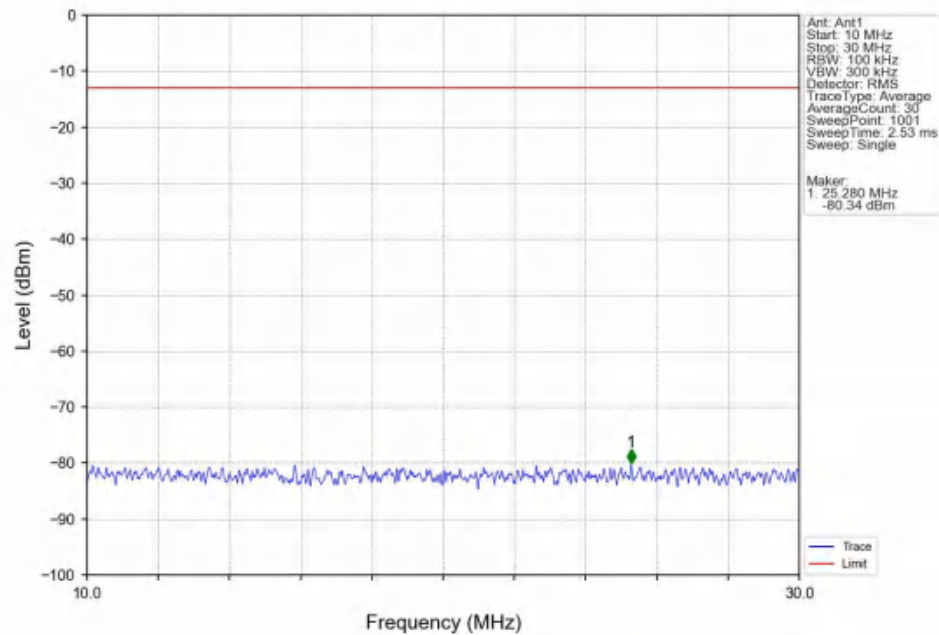


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

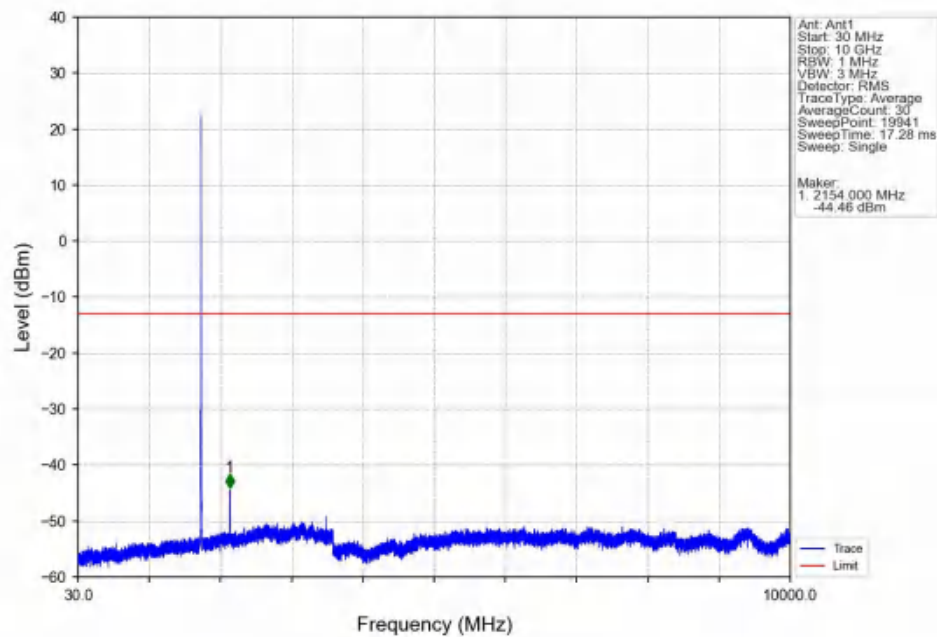




Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

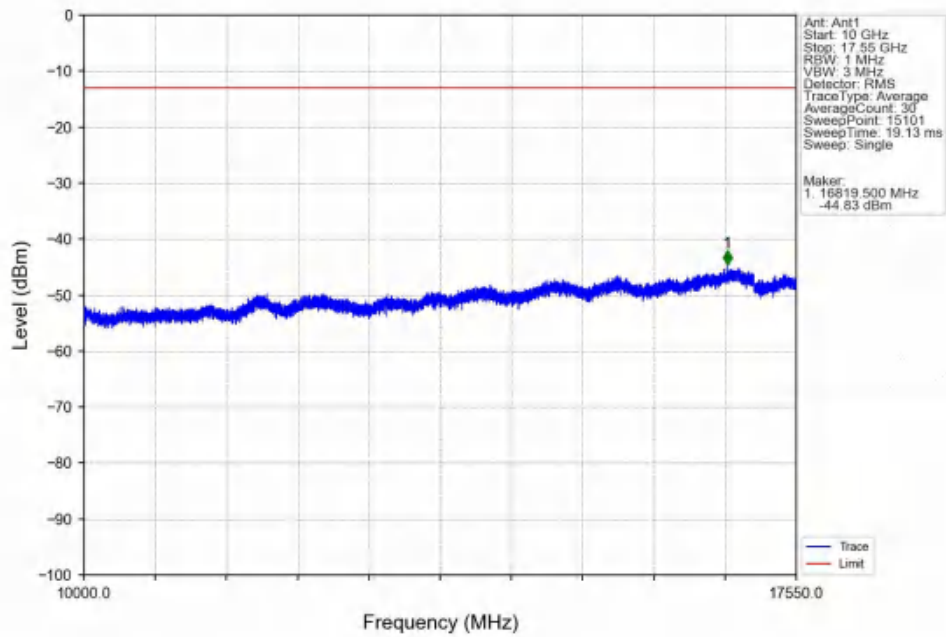


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

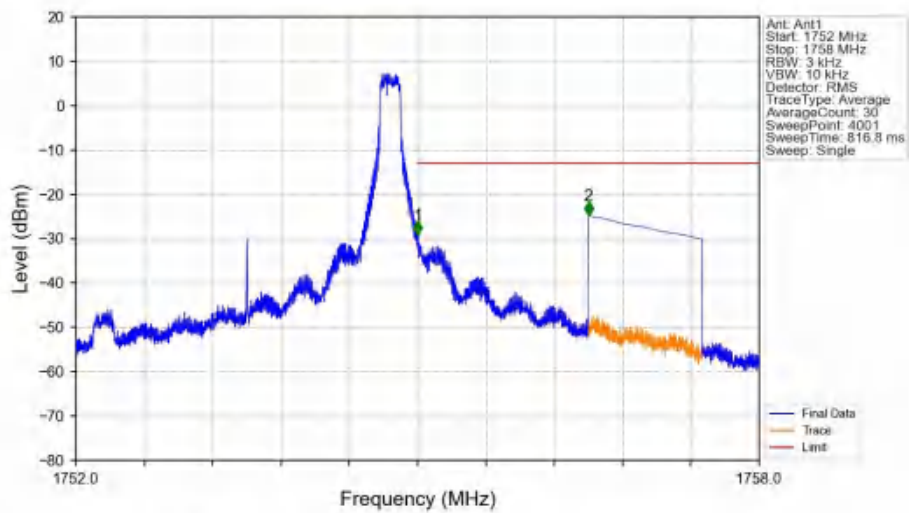




Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



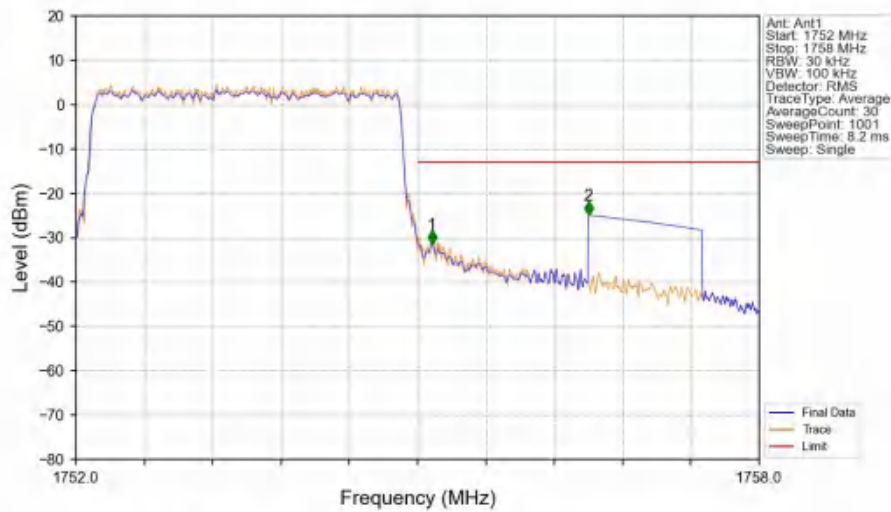
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



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	1755.002	-29.08	-13	Pass
1756	1758	1	CHP	2	1756.500	-24.84	-13	Pass

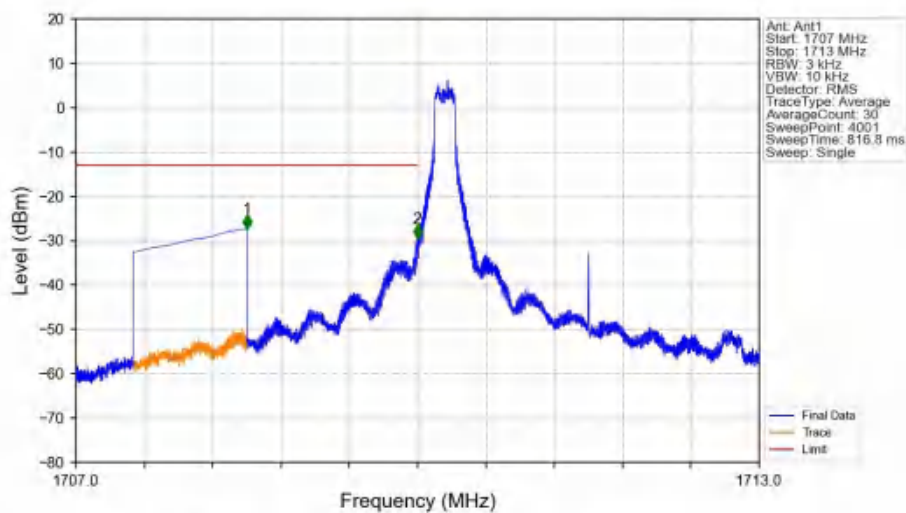


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



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	1755.126	-31.52	-13	Pass
1756	1758	1	CHP	2	1756.500	-24.91	-13	Pass

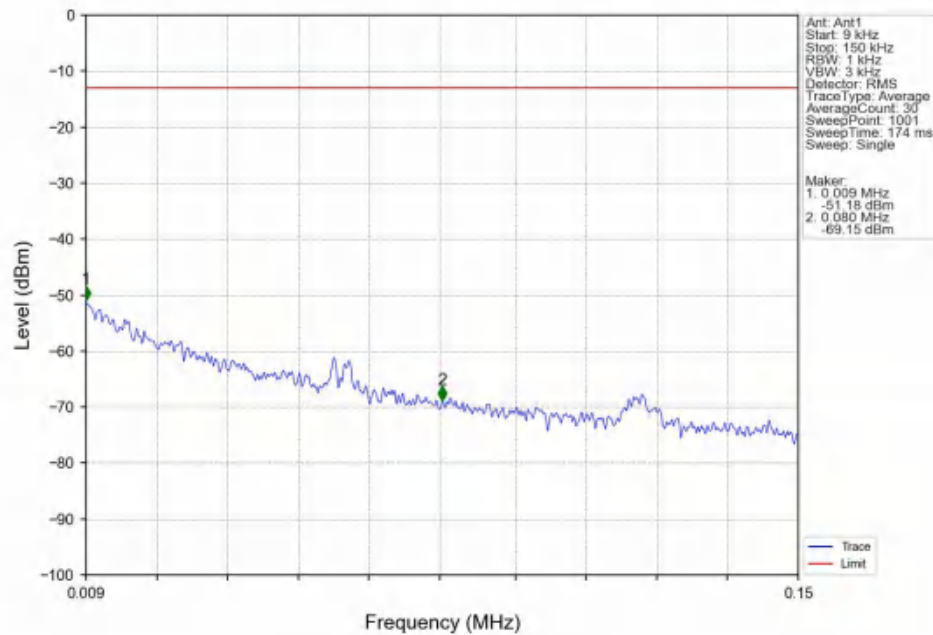
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



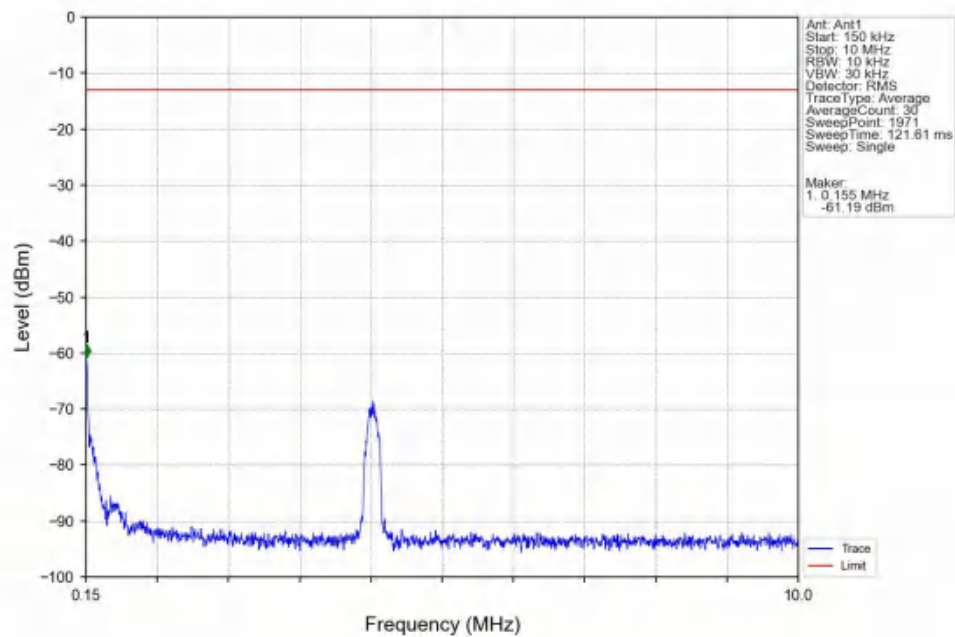
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-27.27	-13	Pass
1709	1710	0.003	/	2	1709.997	-29.43	-13	Pass
1710	1713	0.003	/	/	/	/	/	/



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

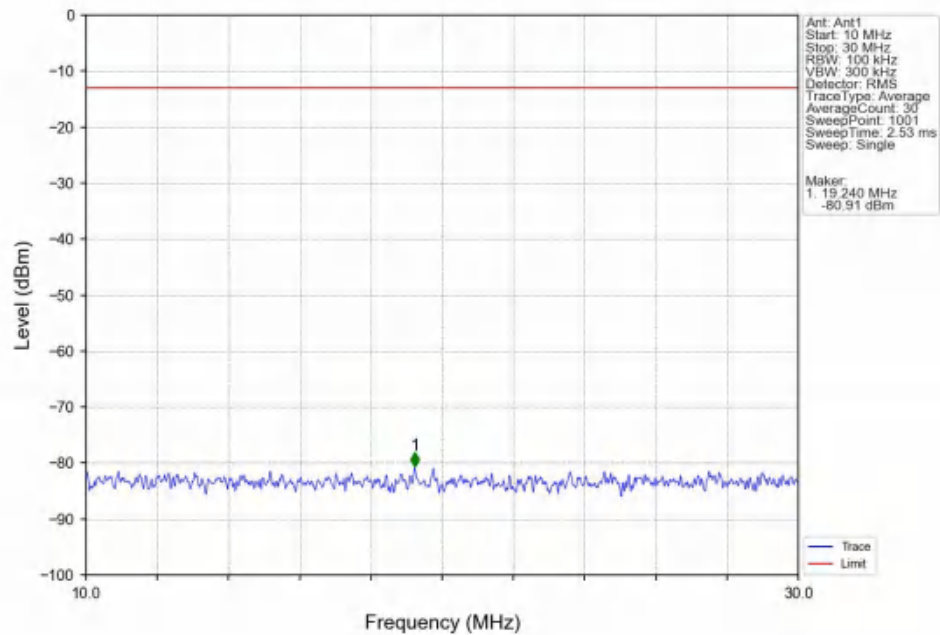


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

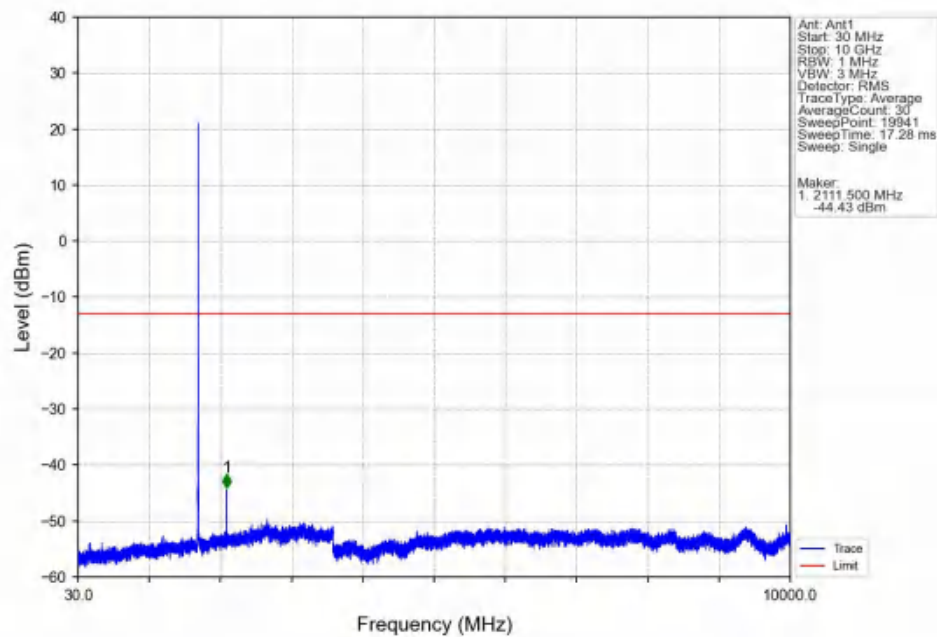




Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

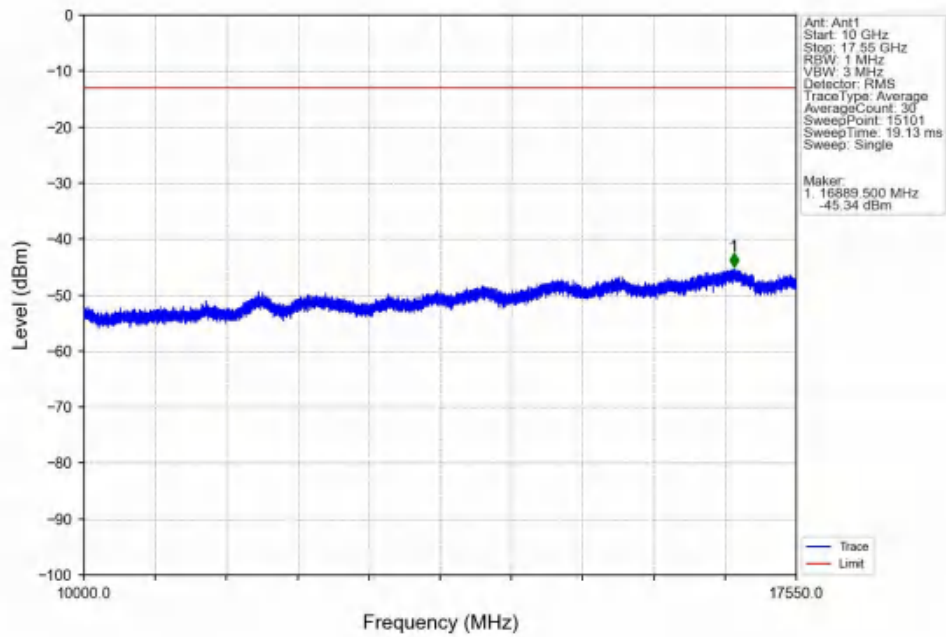


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

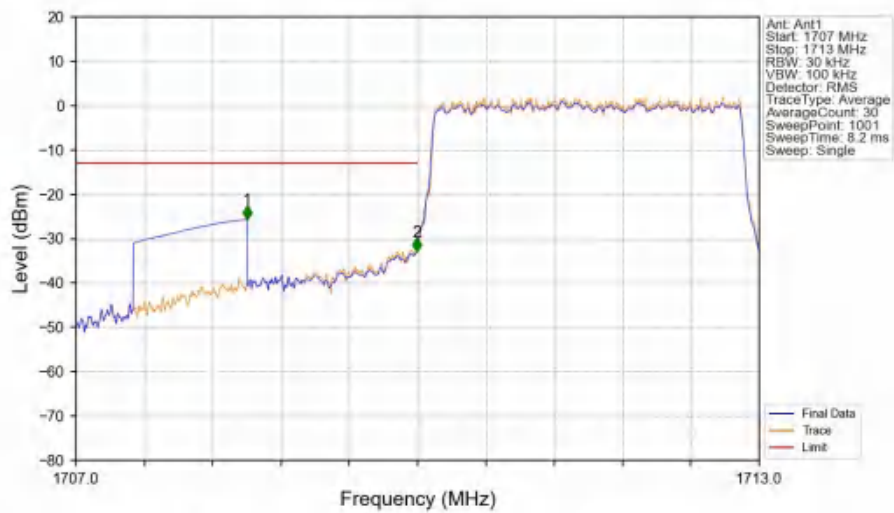




Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



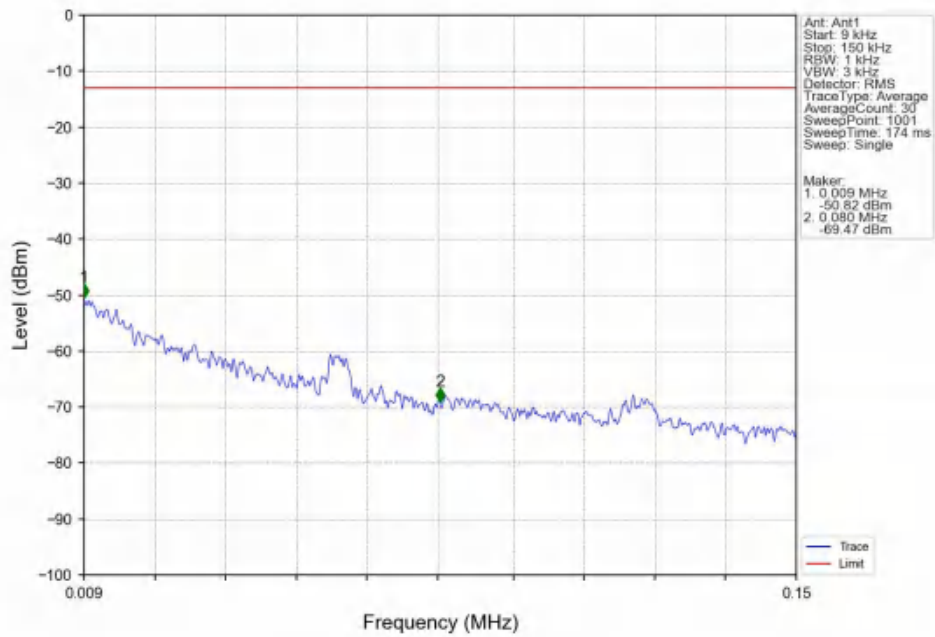
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



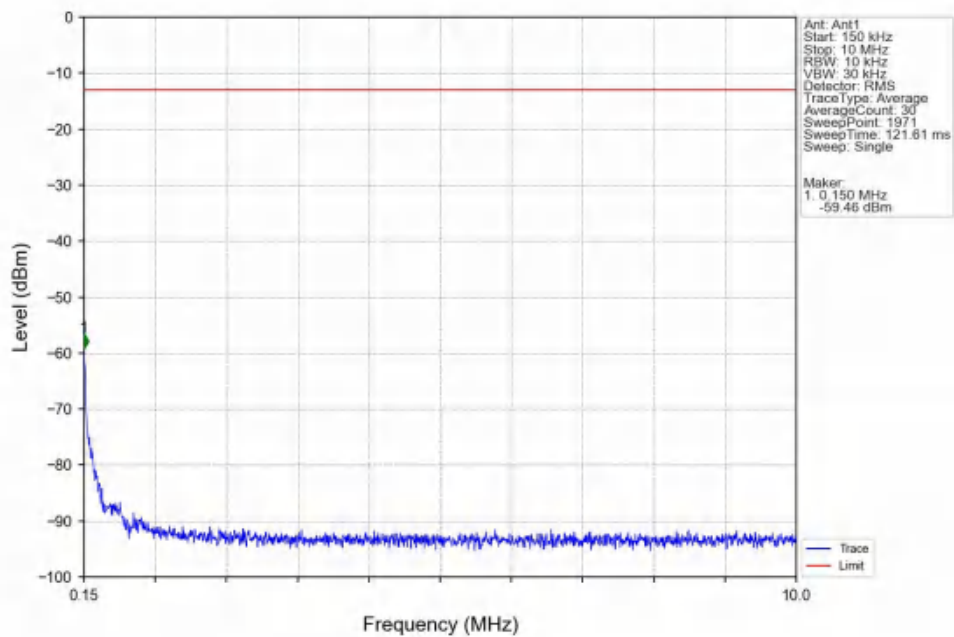
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-25.66	-13	Pass
1709	1710	0.031	CHP	2	1709.994	-32.97	-13	Pass
1710	1713	0.031	CHP	/	/	/	/	/



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

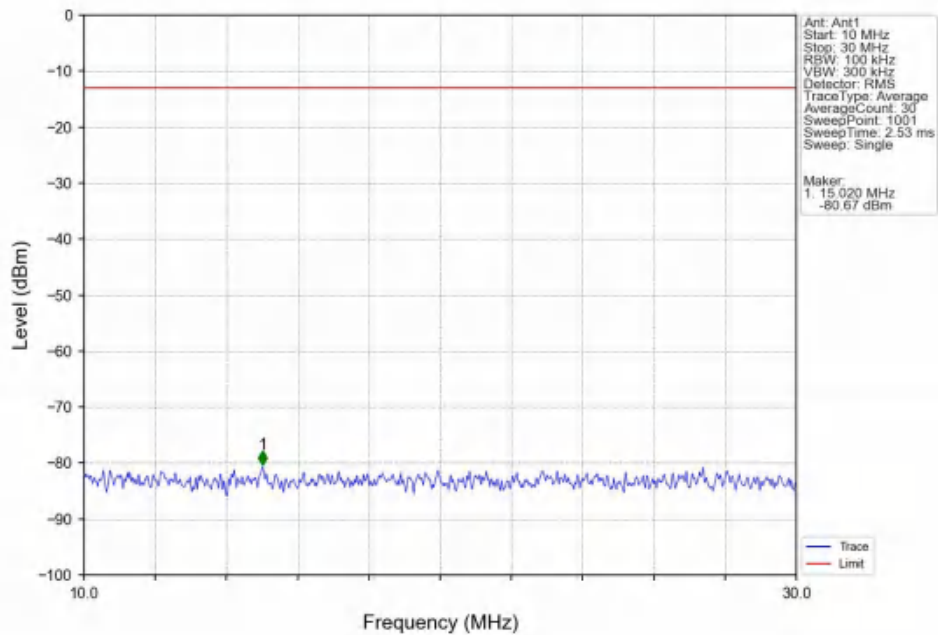


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

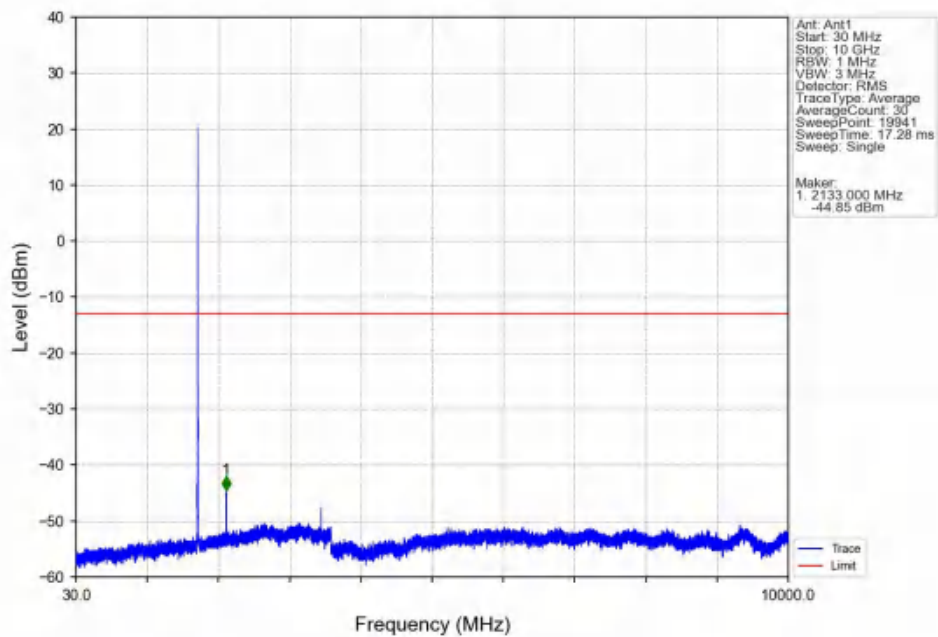




Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

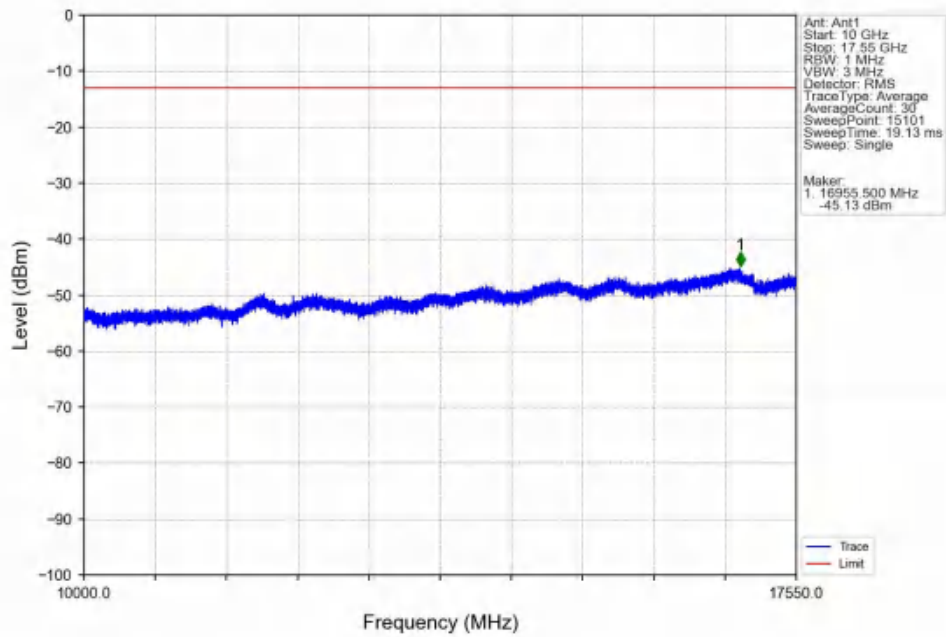


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

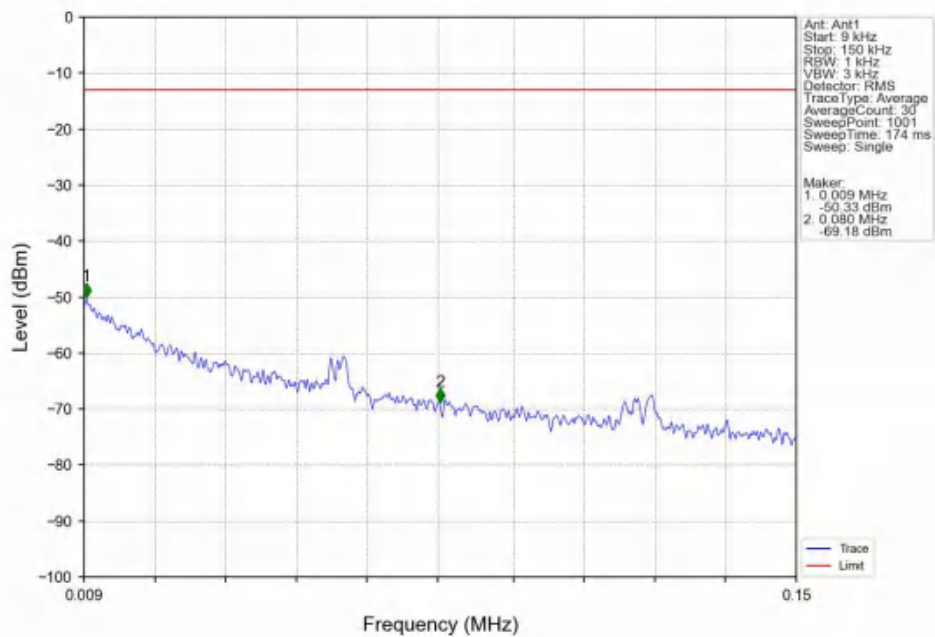




Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

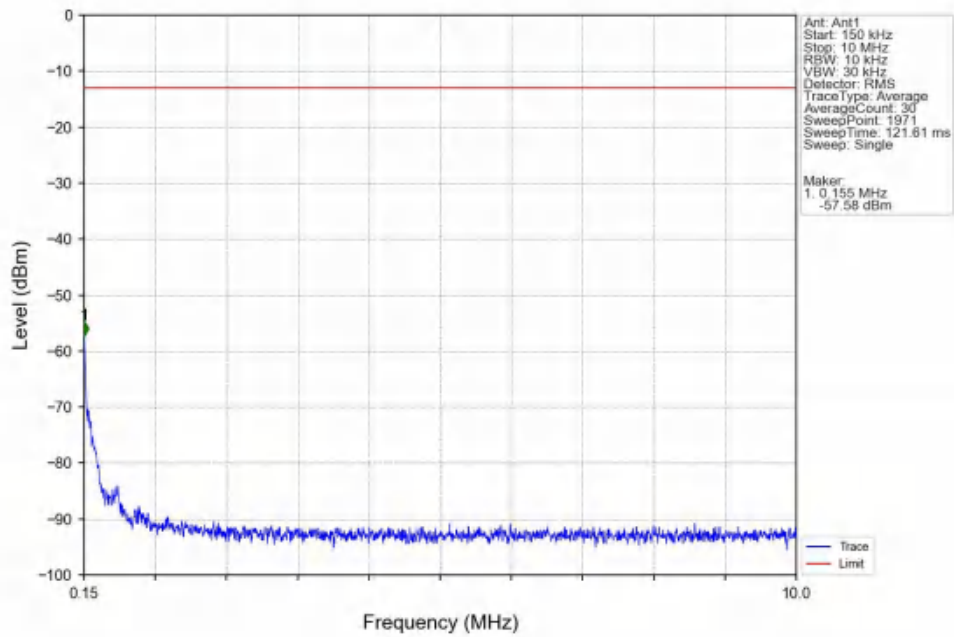


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

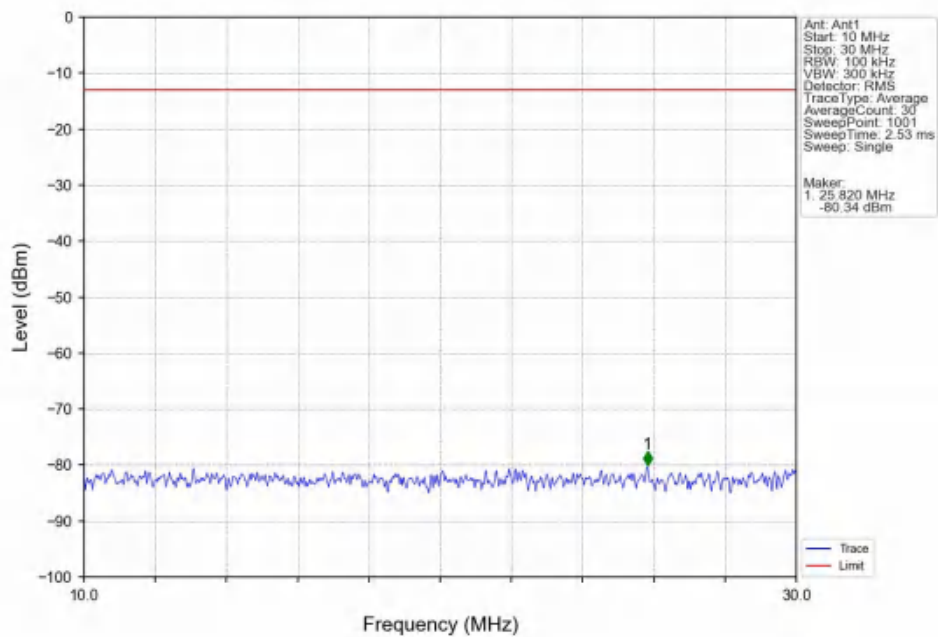




Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

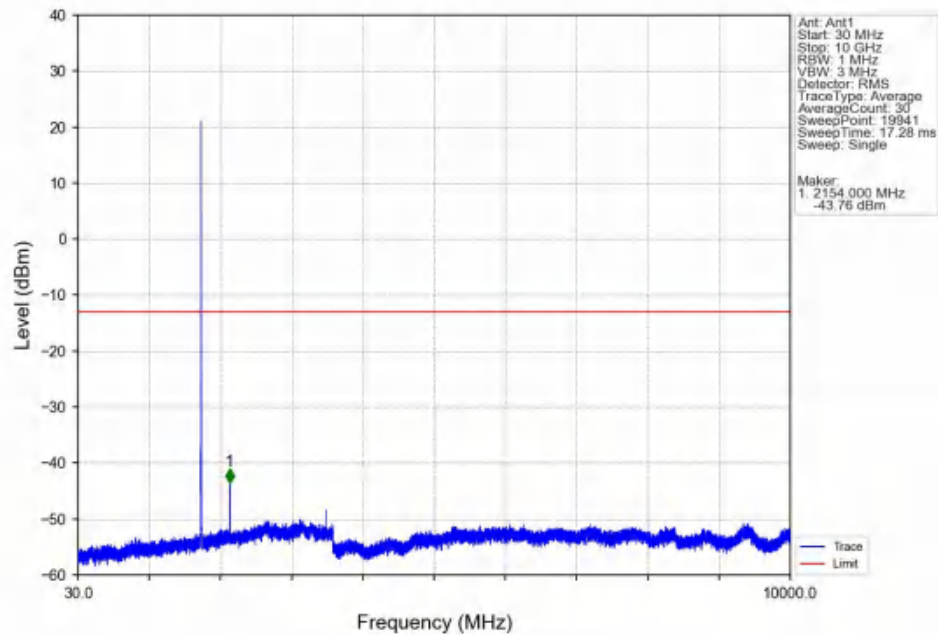


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

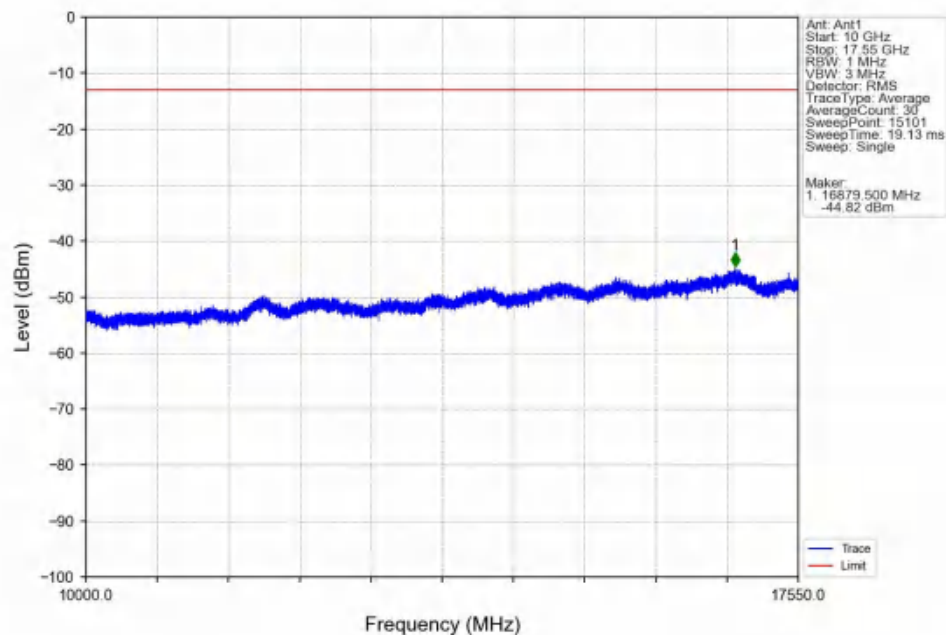




Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

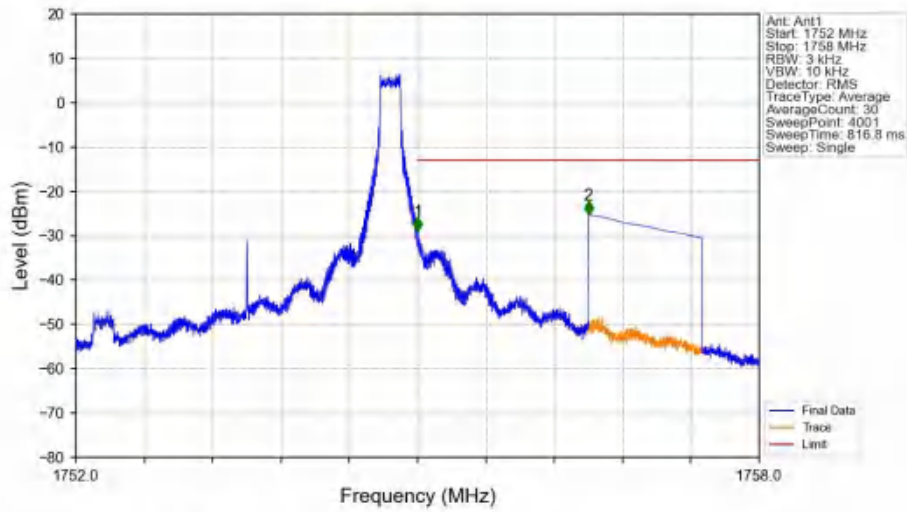


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



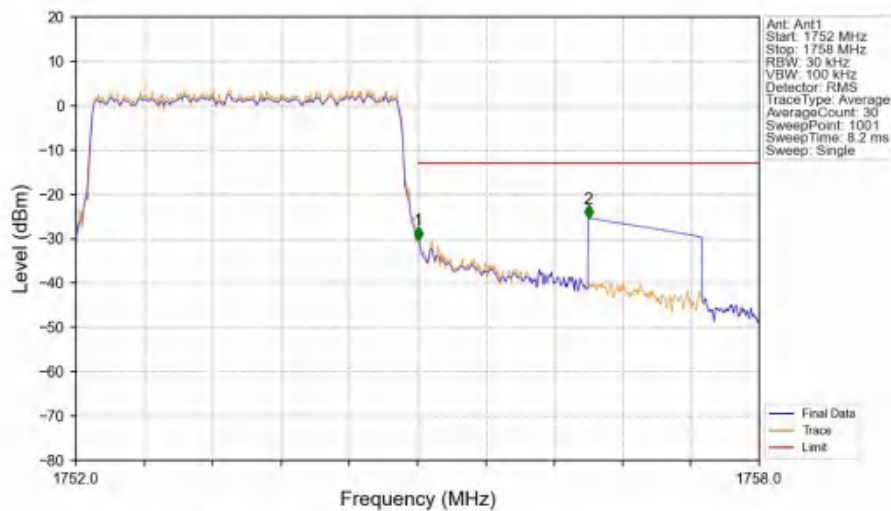


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



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	1755.002	-28.90	-13	Pass
1756	1758	1	CHP	2	1756.500	-25.24	-13	Pass

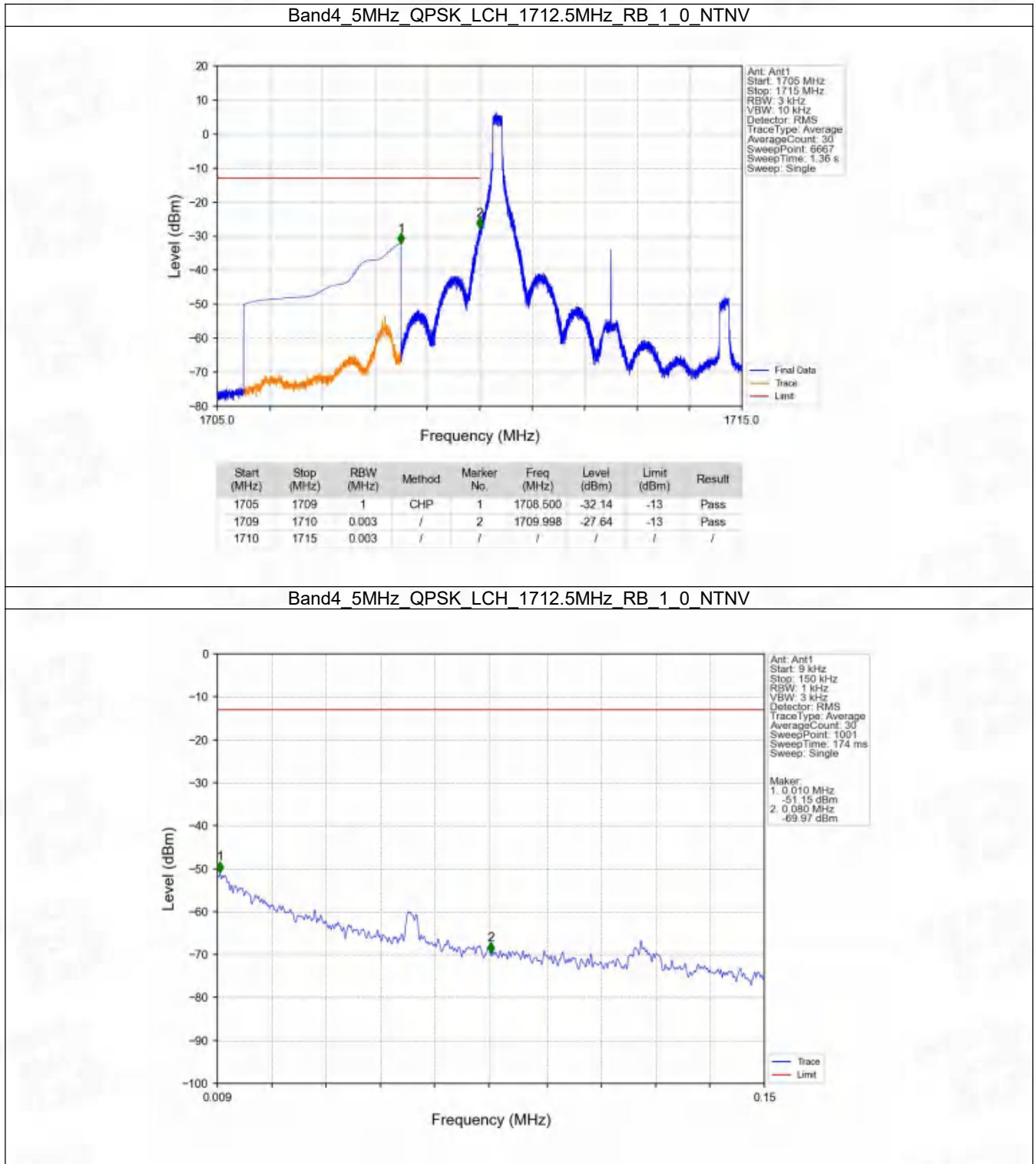
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



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	-30.31	-13	Pass
1756	1758	1	CHP	2	1756.500	-25.40	-13	Pass

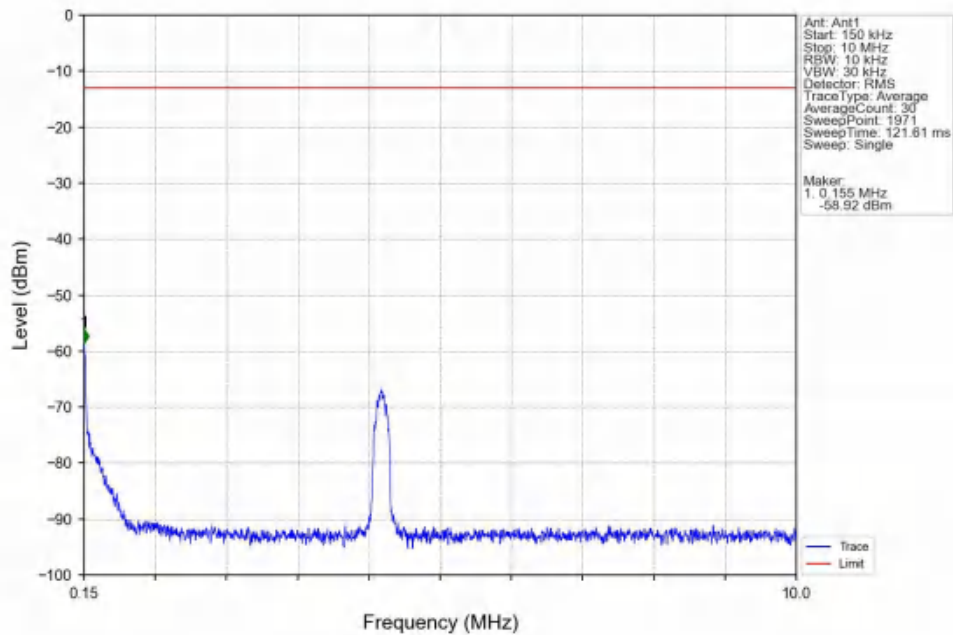


6.2.3 B4_5MHz

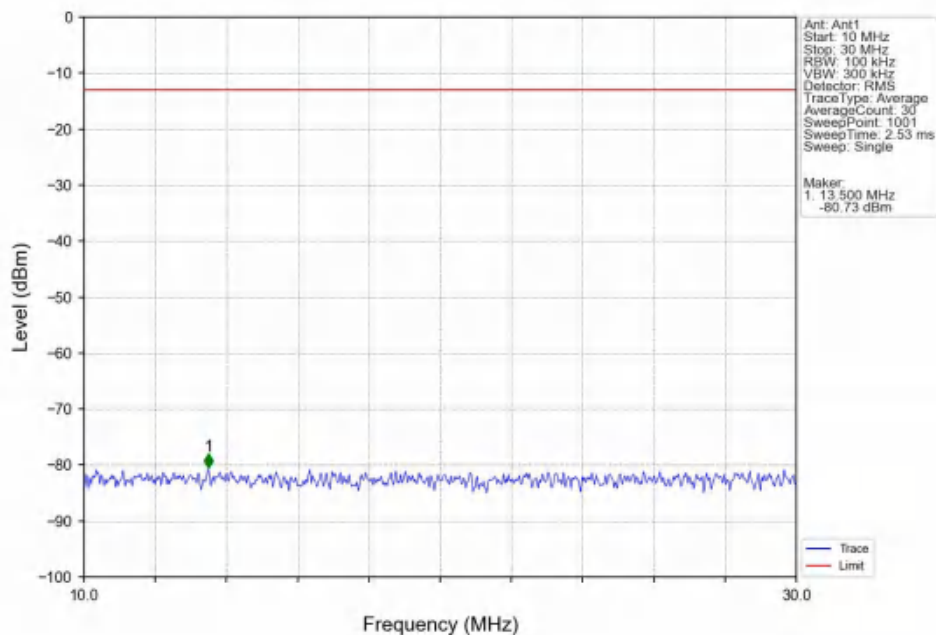




Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

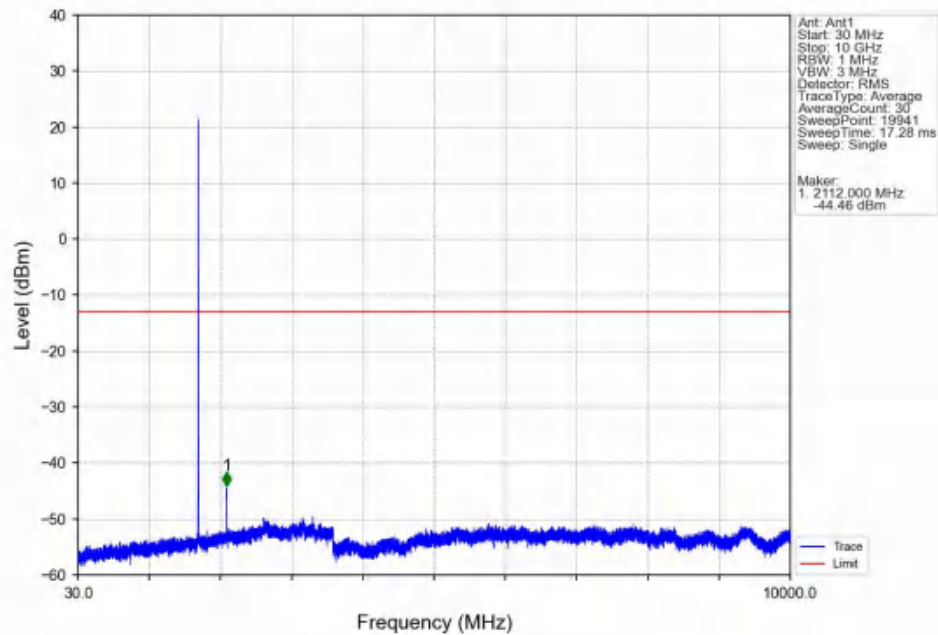


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

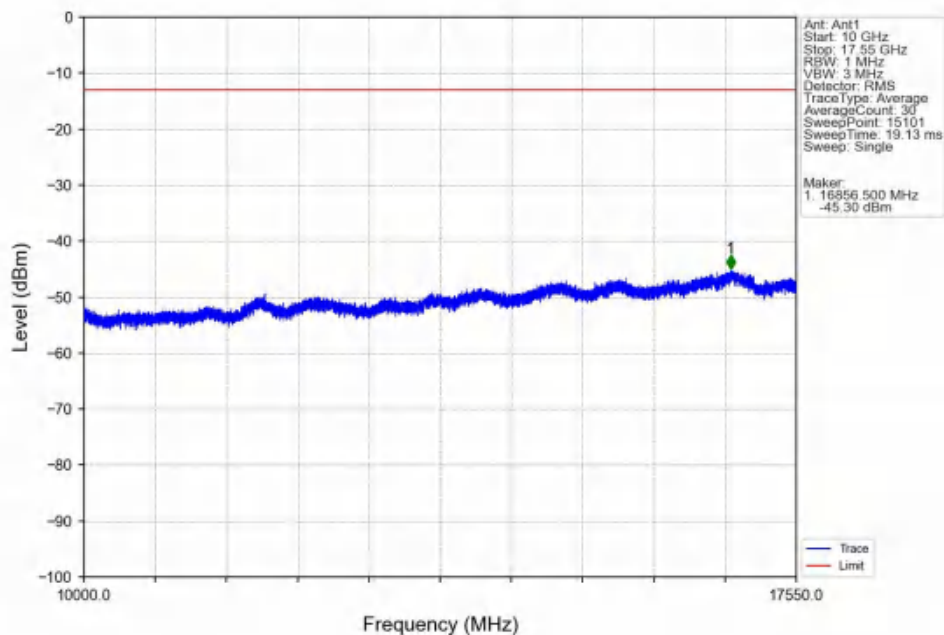




Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

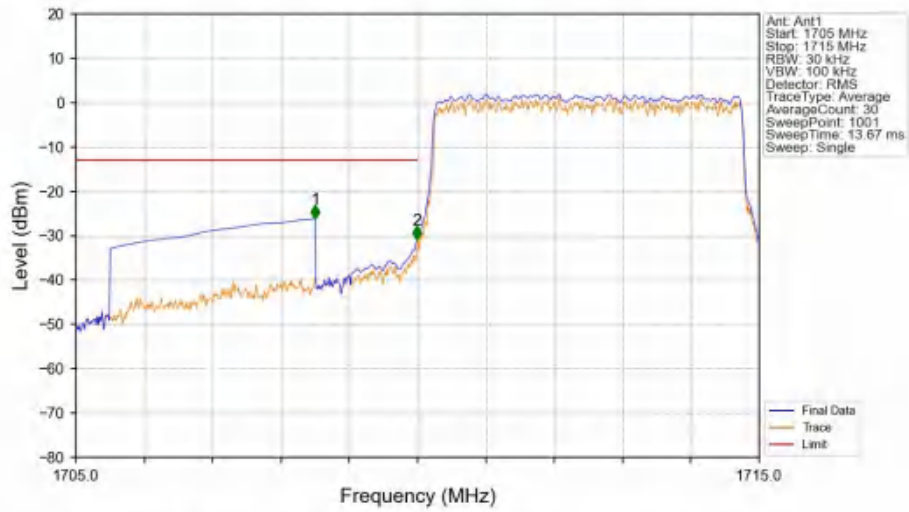


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



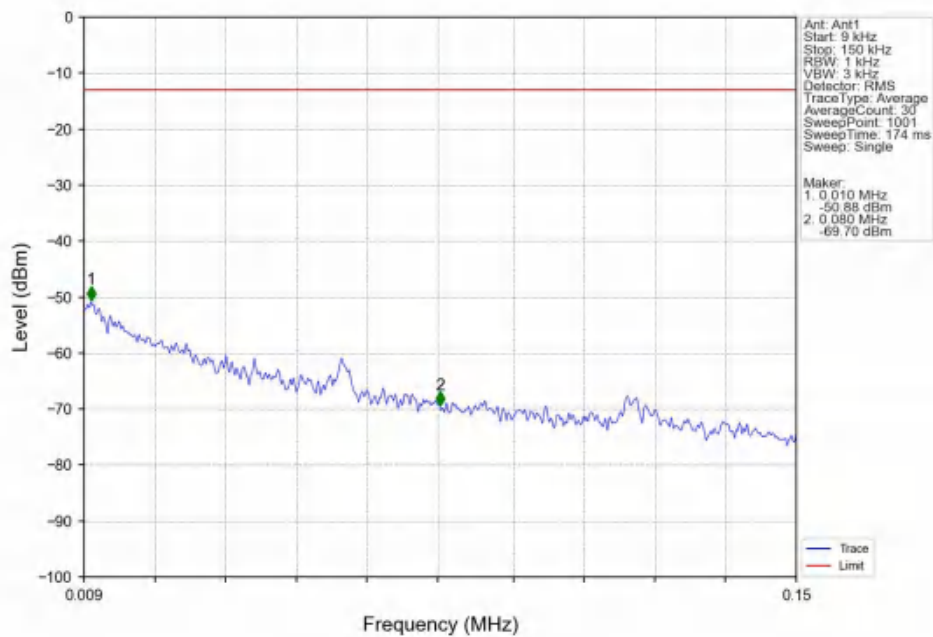


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



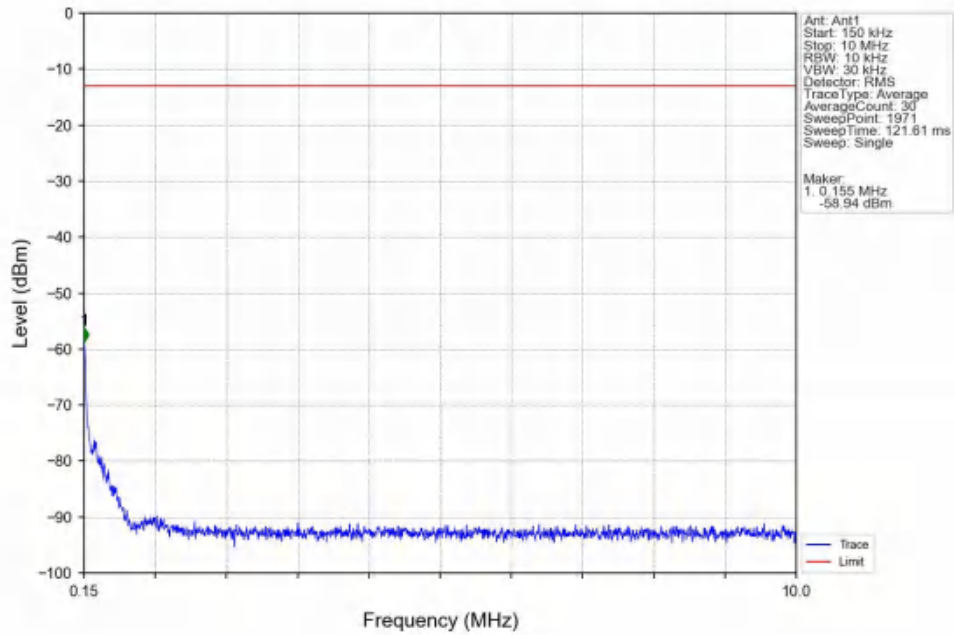
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-26.14	-13	Pass
1709	1710	0.051	CHP	2	1709.990	-30.89	-13	Pass
1710	1715	0.051	CHP	/	/	/	/	/

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

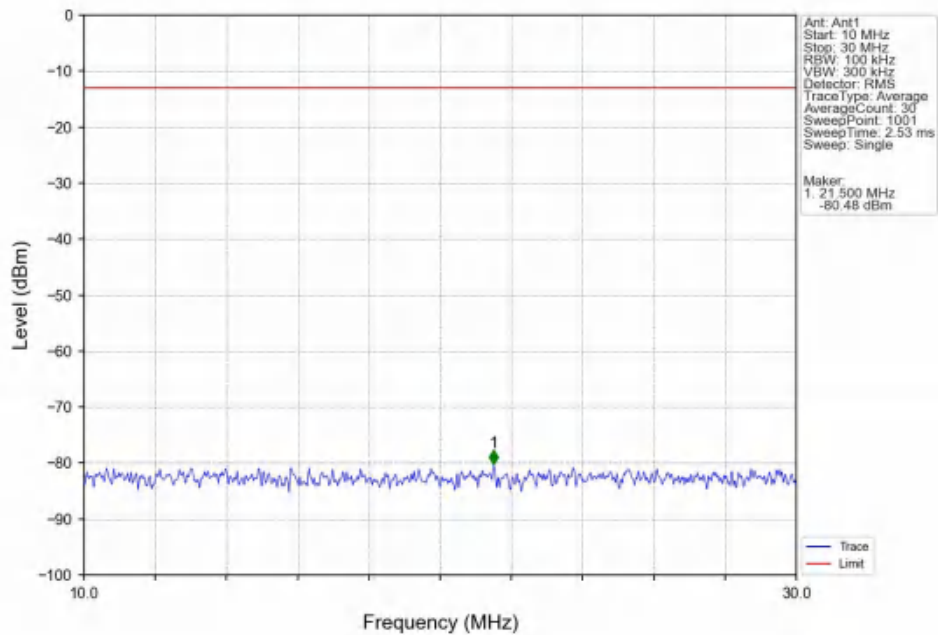




Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

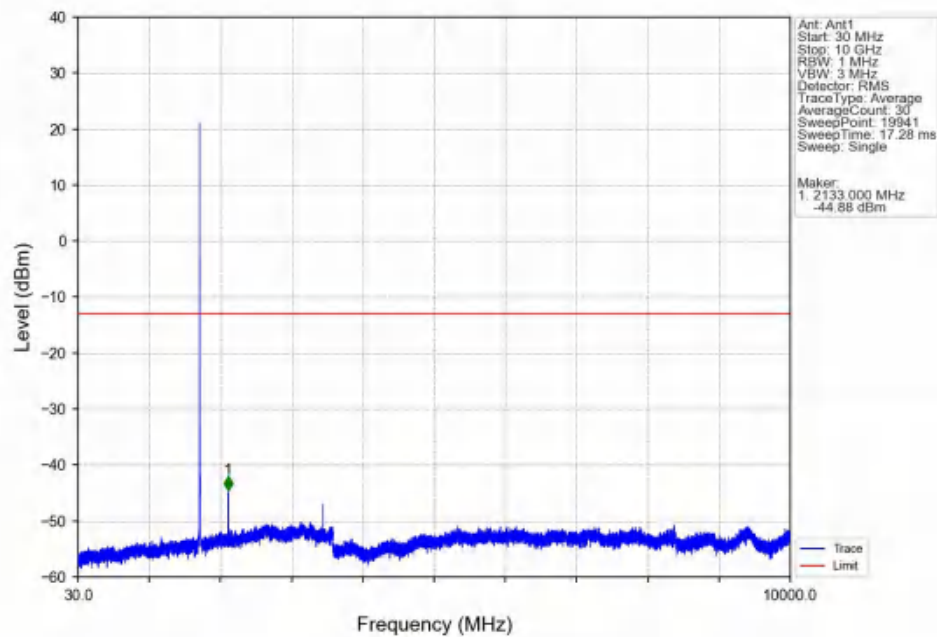


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

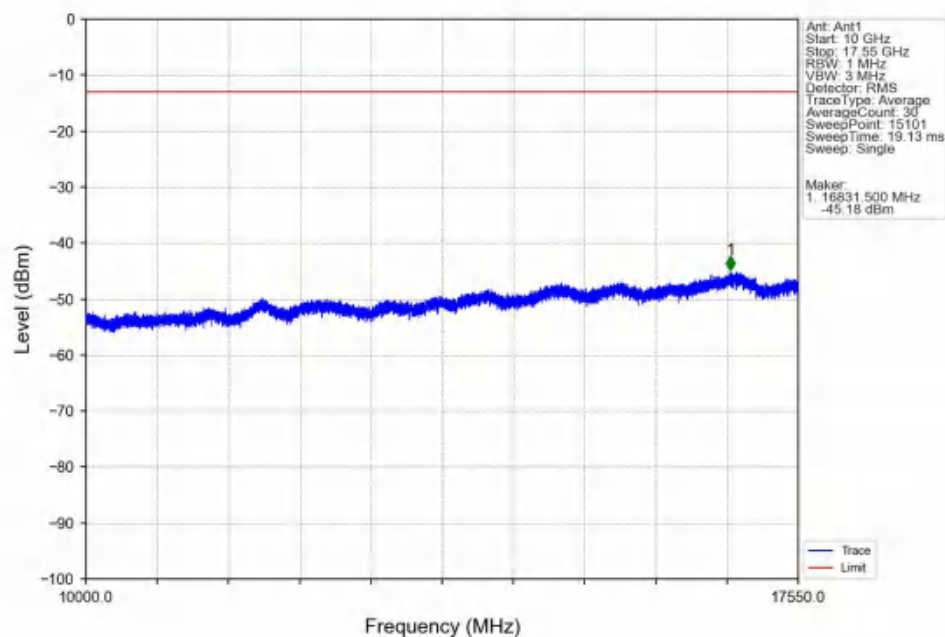




Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

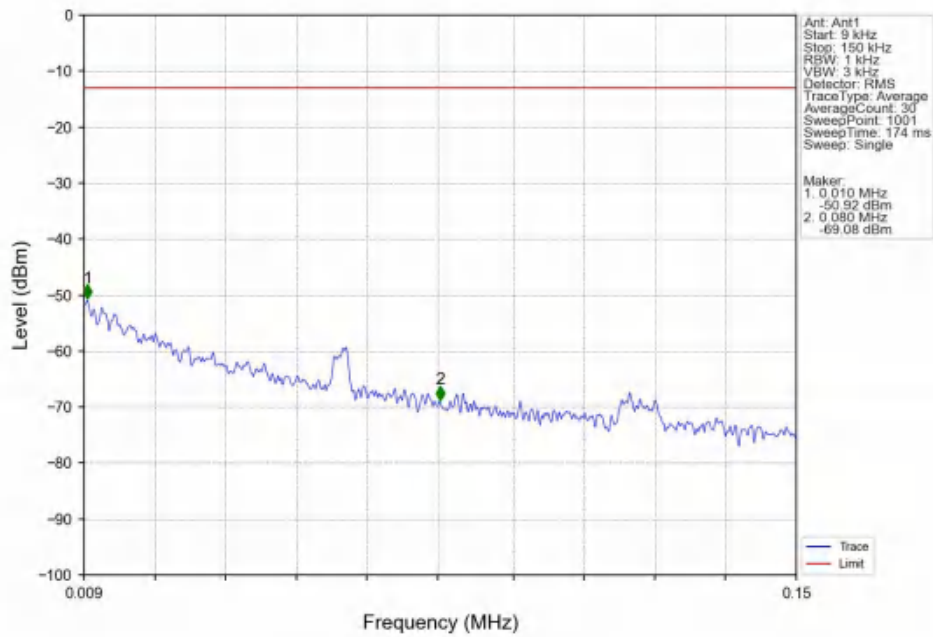


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

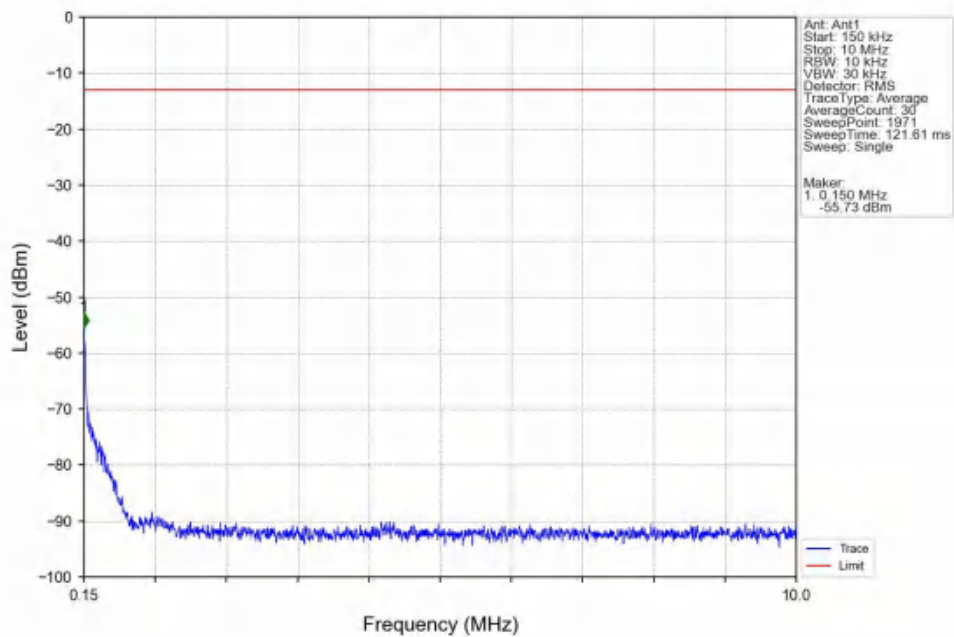




Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

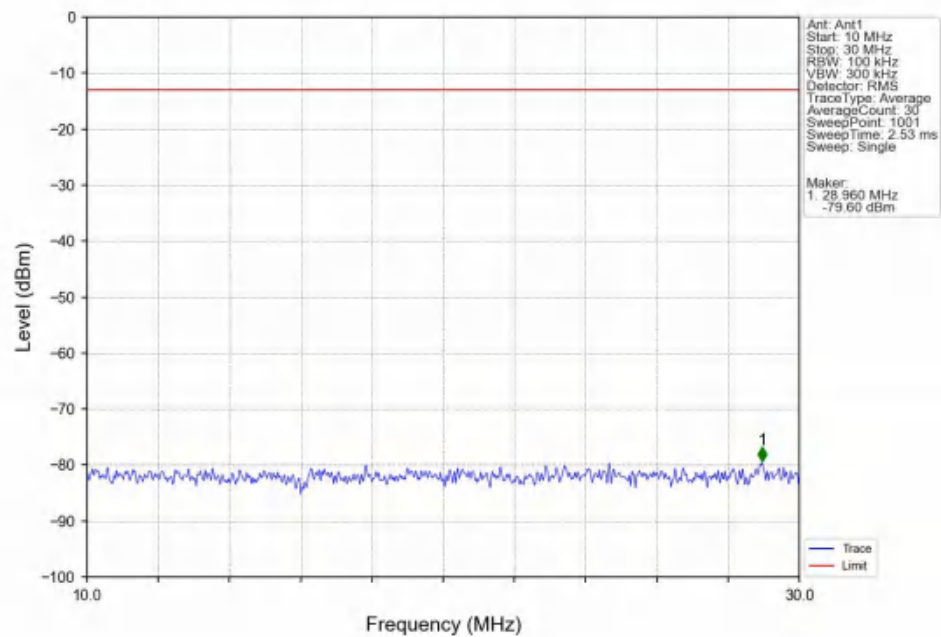


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

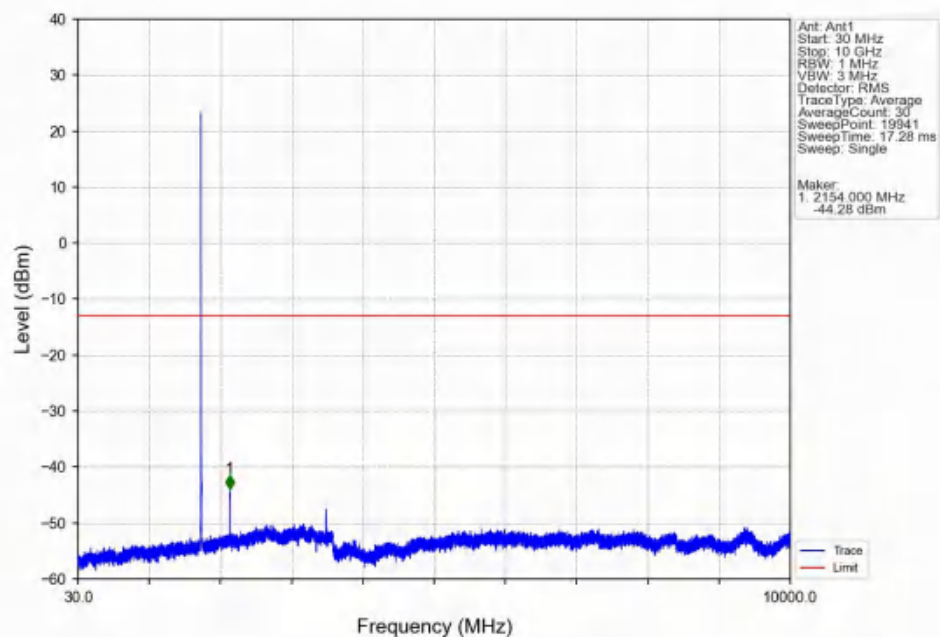




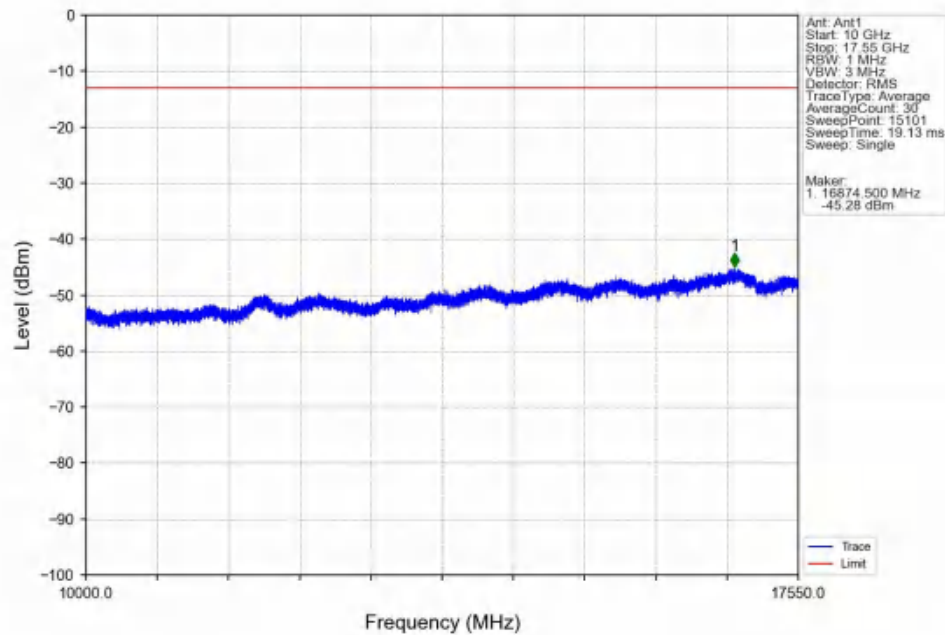
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



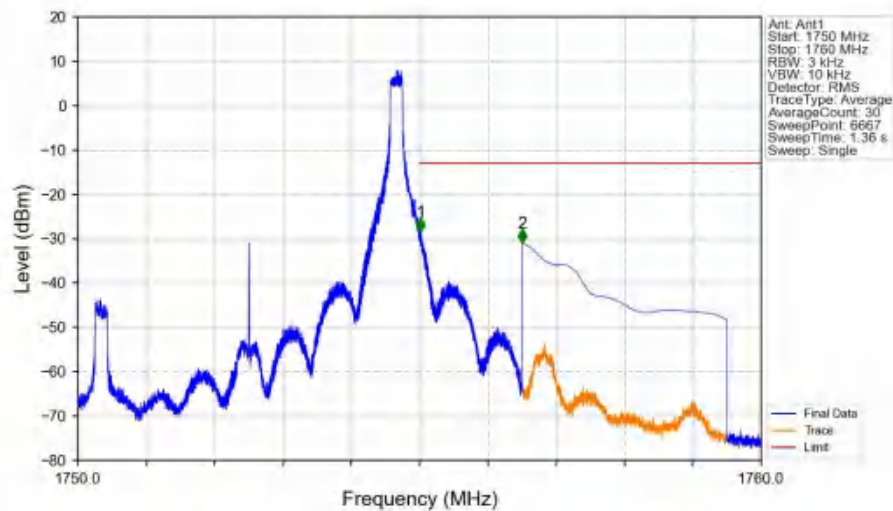
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



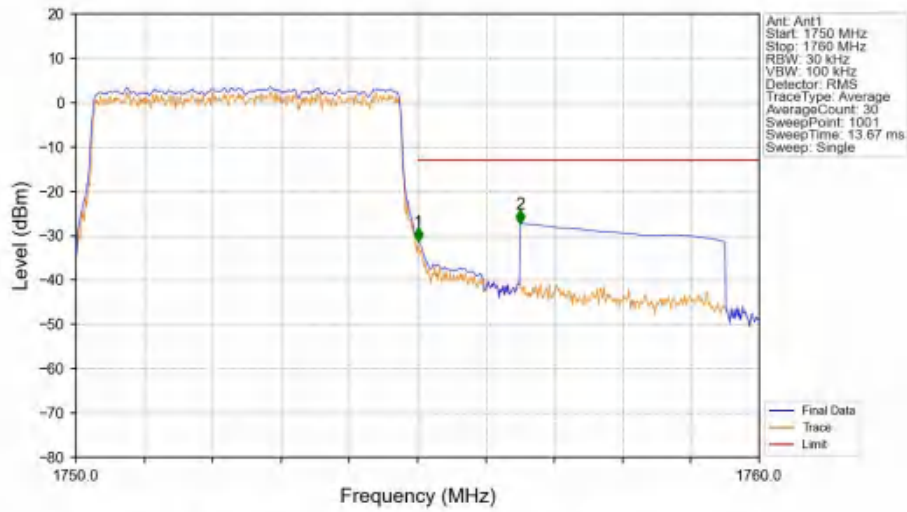
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



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	1755.014	-28.42	-13	Pass
1756	1760	1	CHP	2	1756.500	-31.03	-13	Pass

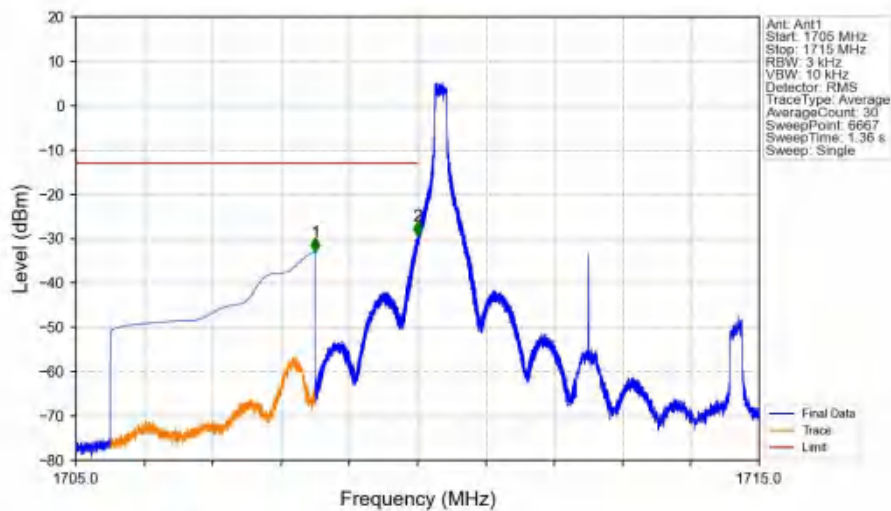


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	CHP	/	/	/	/	/
1755	1756	0.051	CHP	1	1755.010	-31.25	-13	Pass
1756	1760	1	CHP	2	1756.500	-27.27	-13	Pass

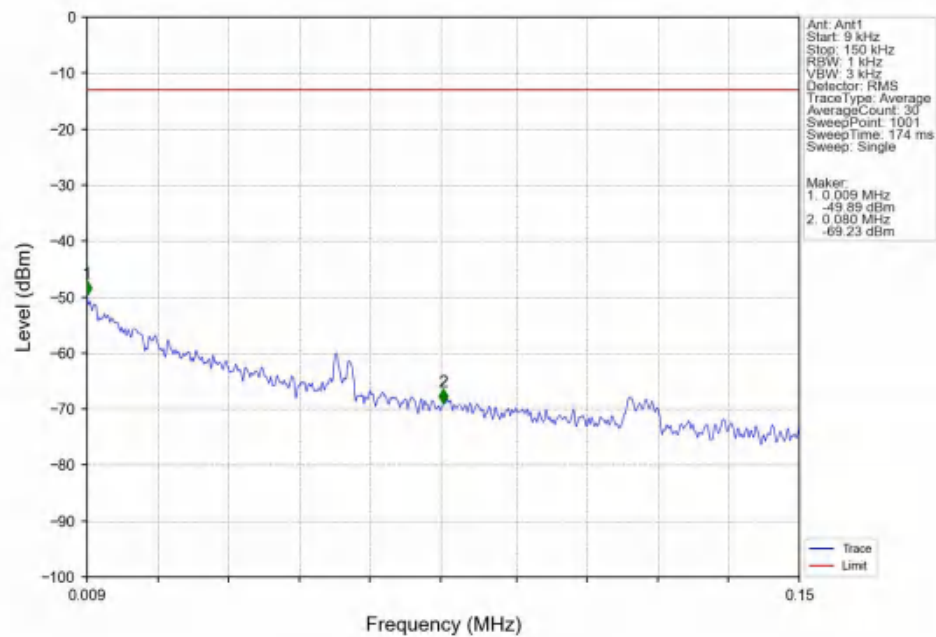
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



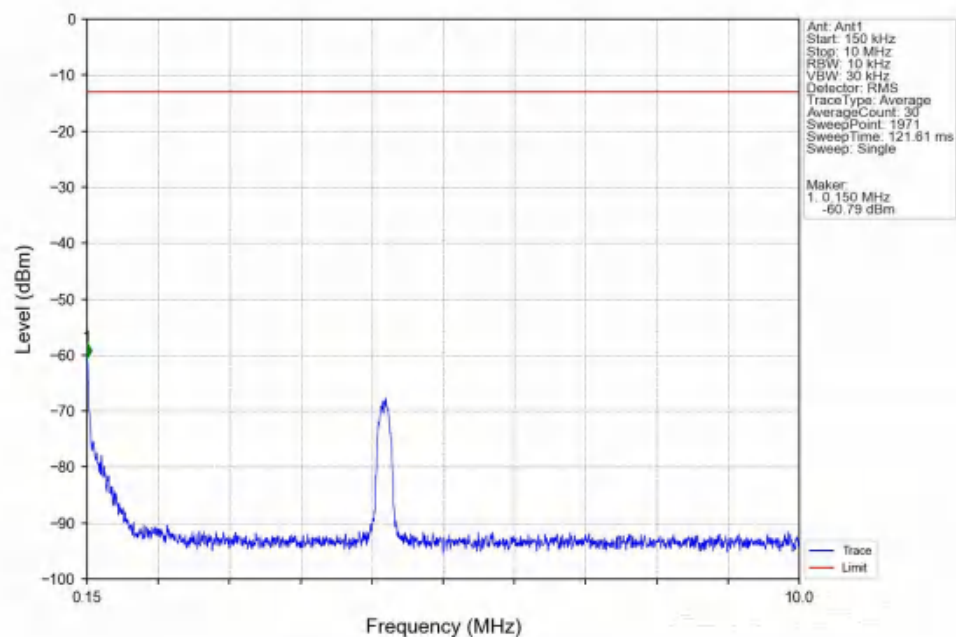
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-32.98	-13	Pass
1709	1710	0.003	/	2	1709.998	-29.37	-13	Pass
1710	1715	0.003	/	/	/	/	/	/



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

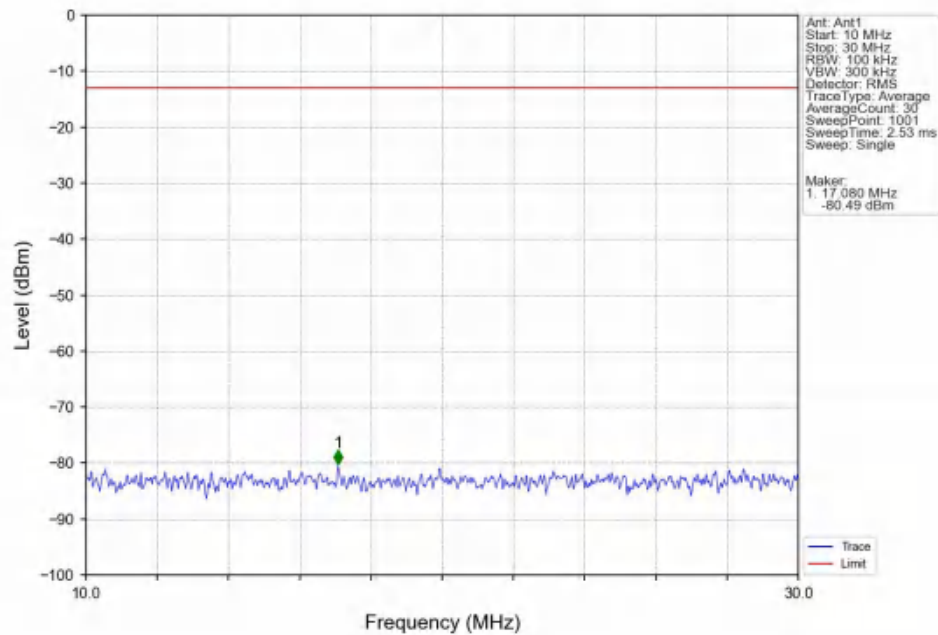


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

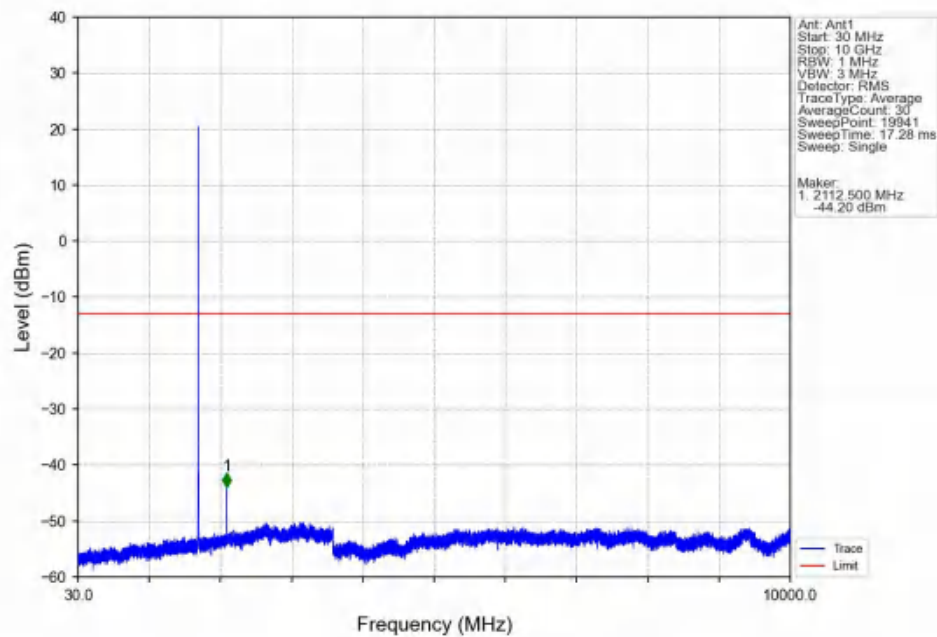




Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

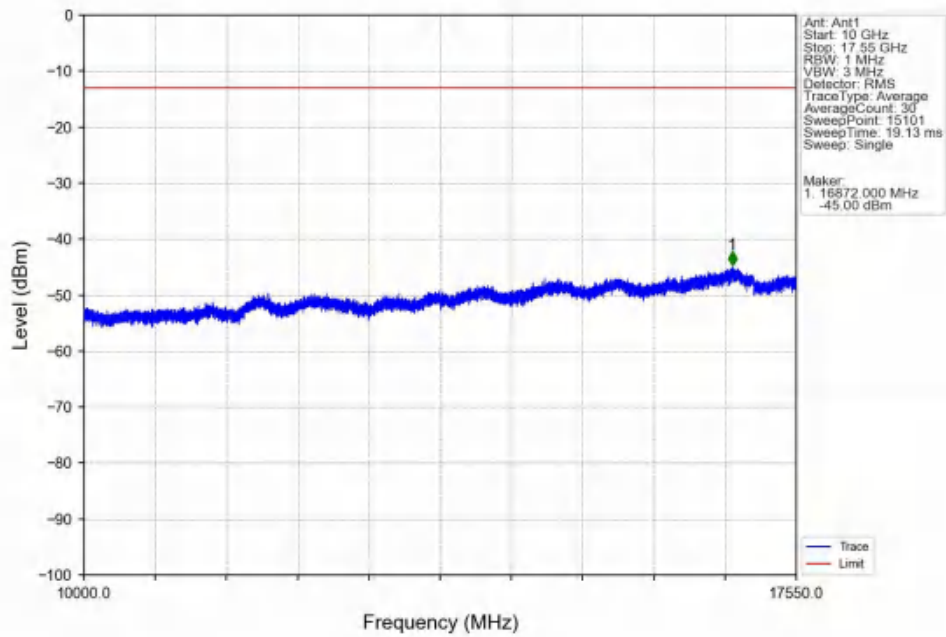


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

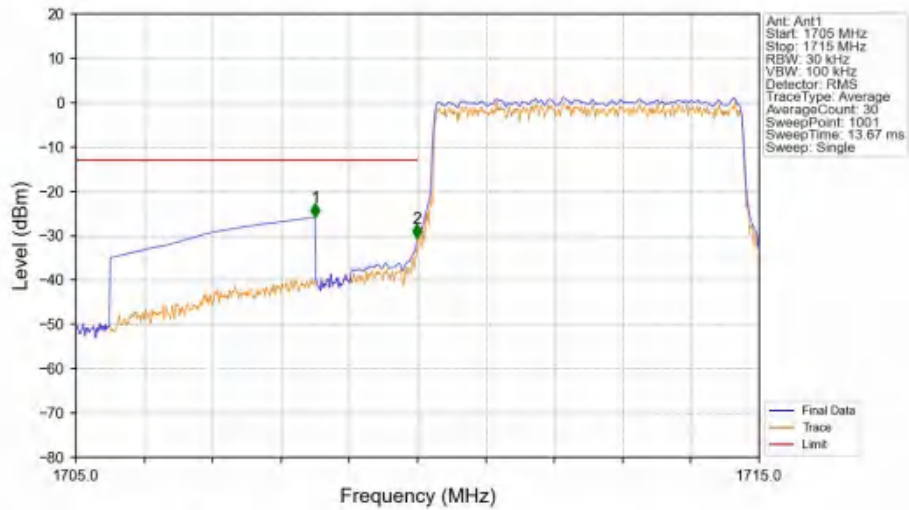




Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



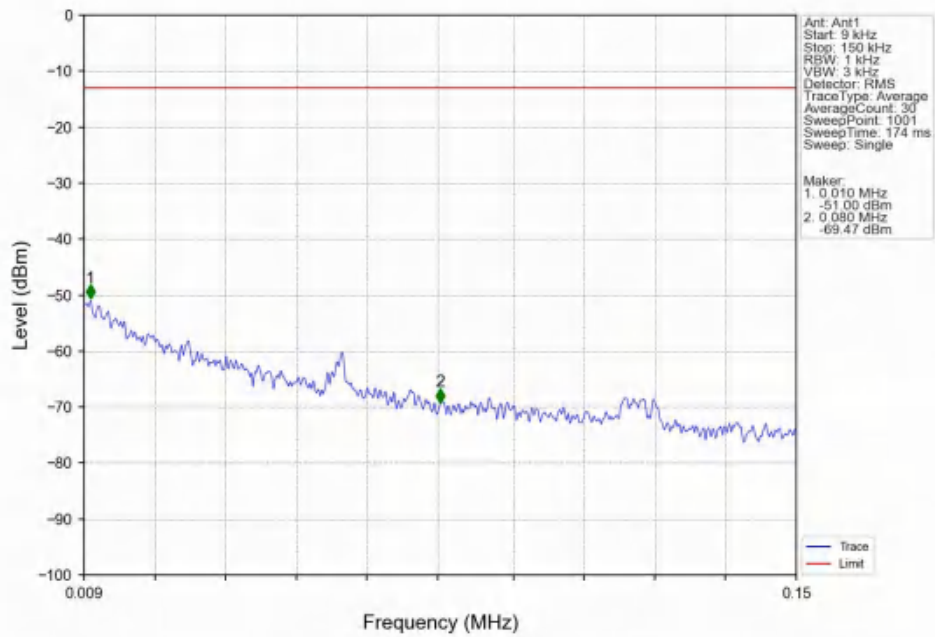
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



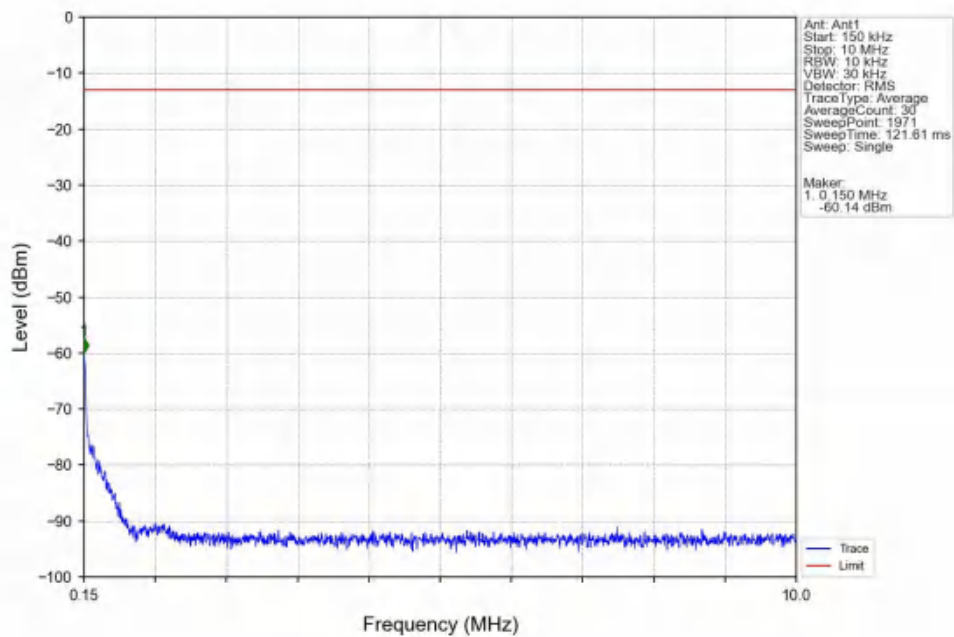
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-25.89	-13	Pass
1709	1710	0.051	CHP	2	1709.990	-30.64	-13	Pass
1710	1715	0.051	CHP	/	/	/	/	/



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

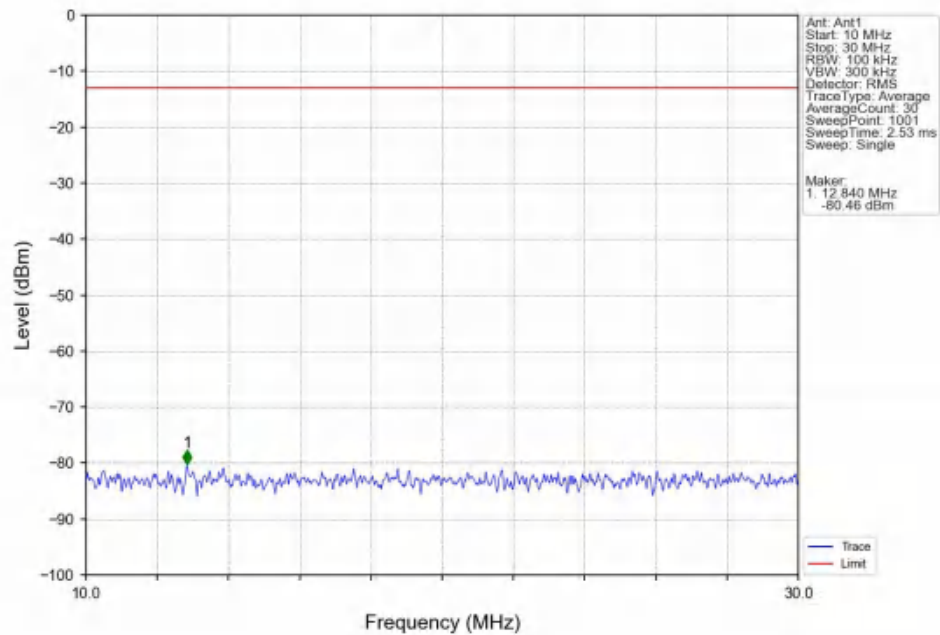


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

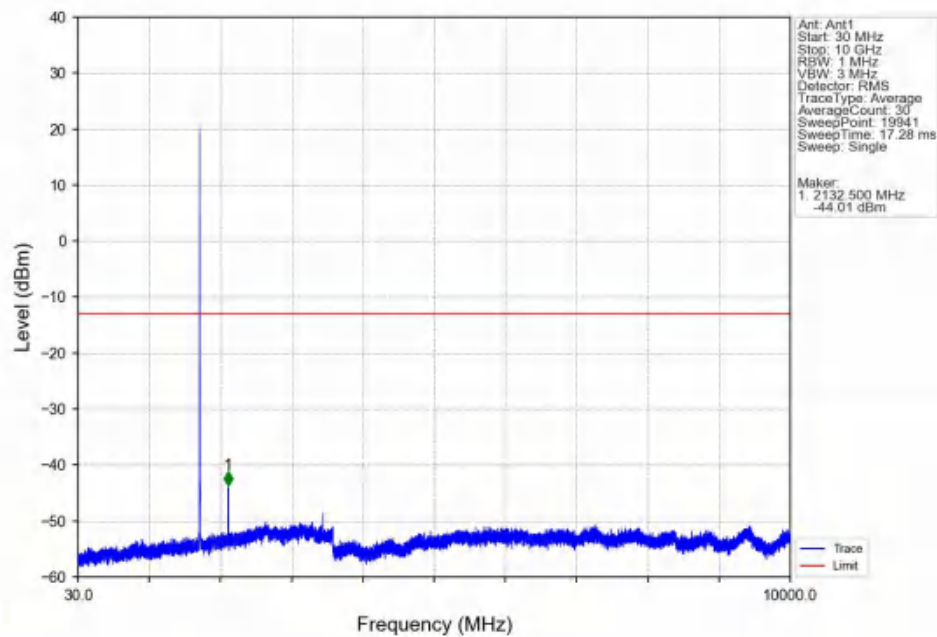




Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

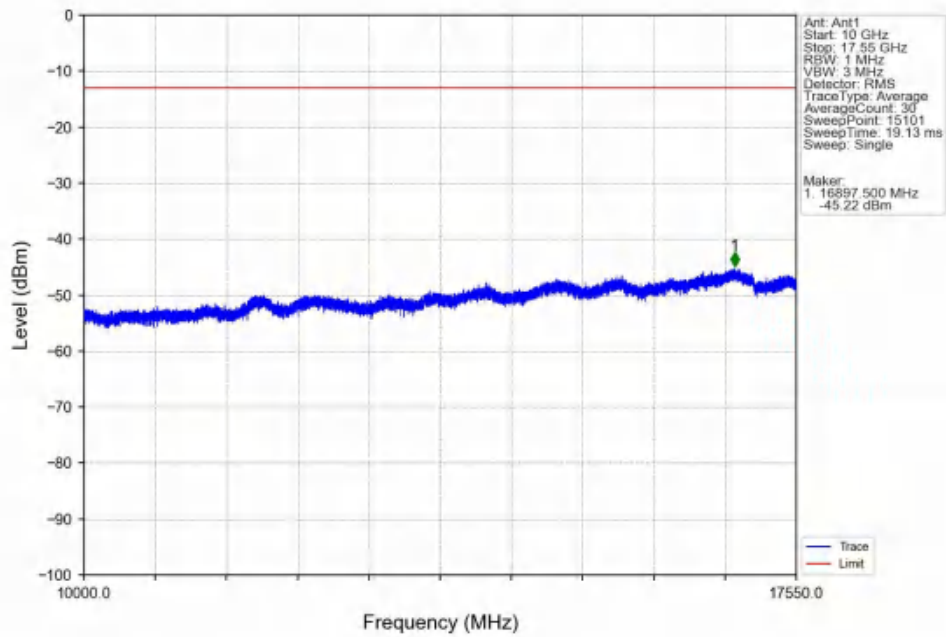


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

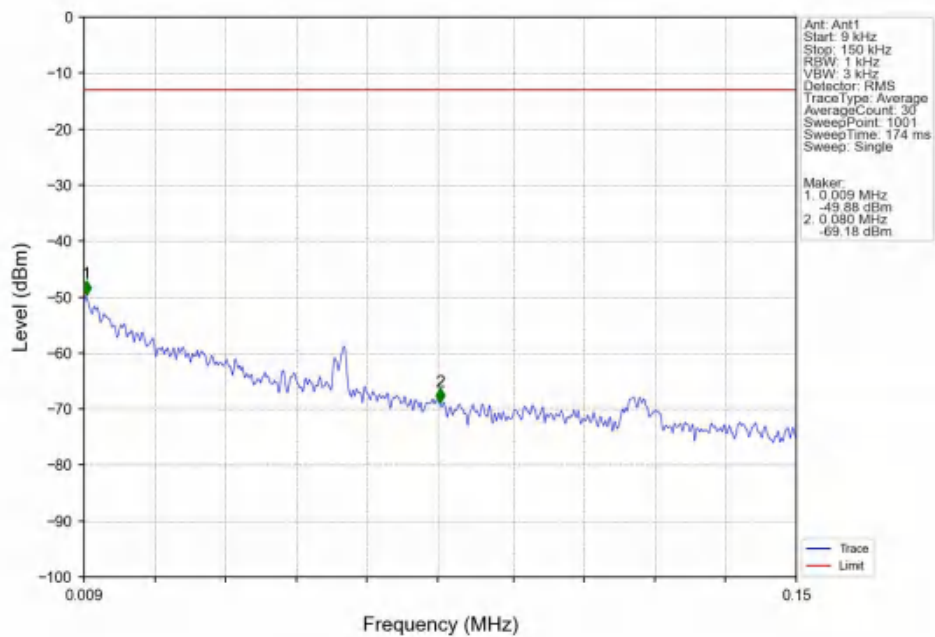




Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

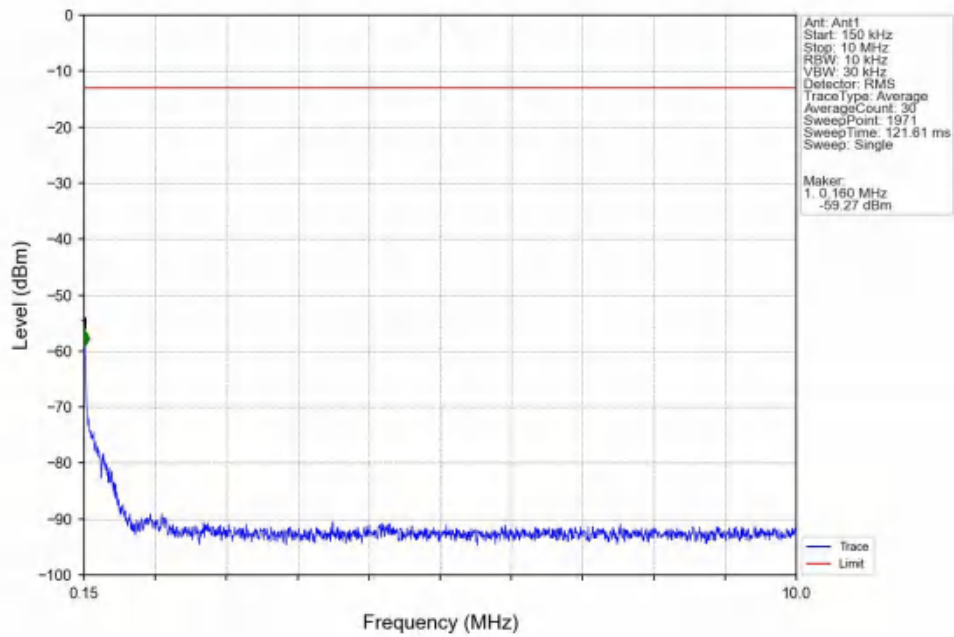


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

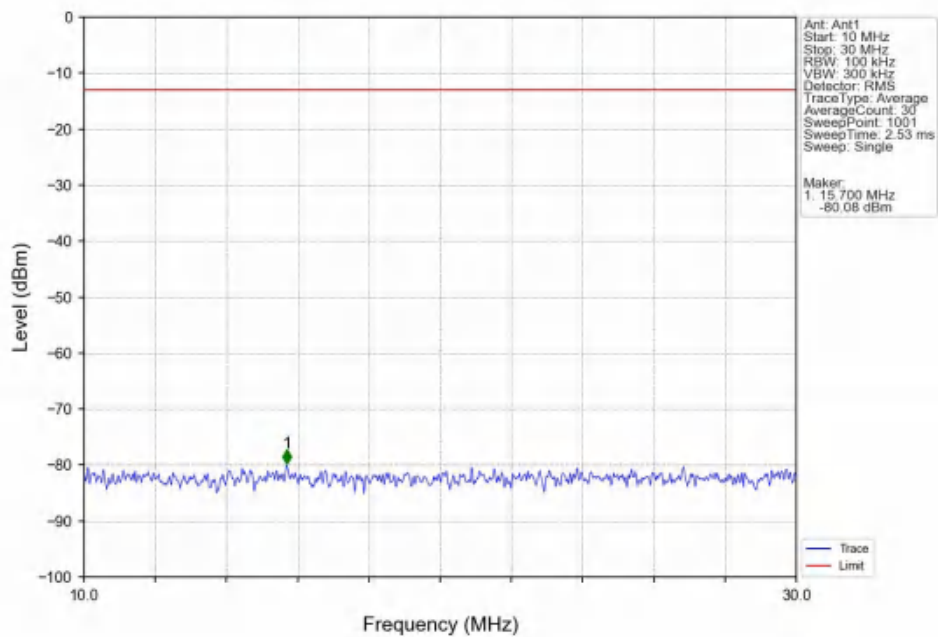




Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

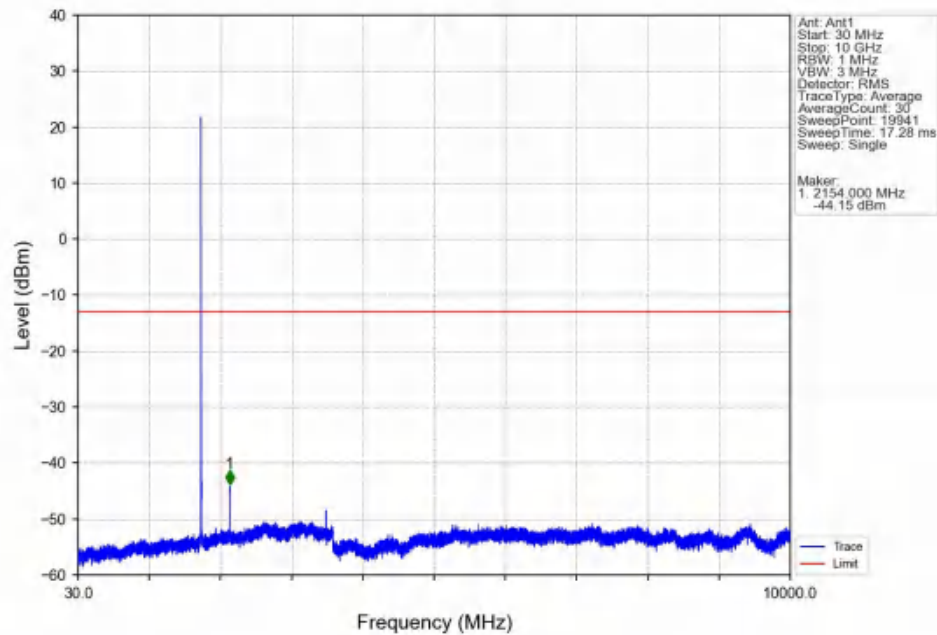


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

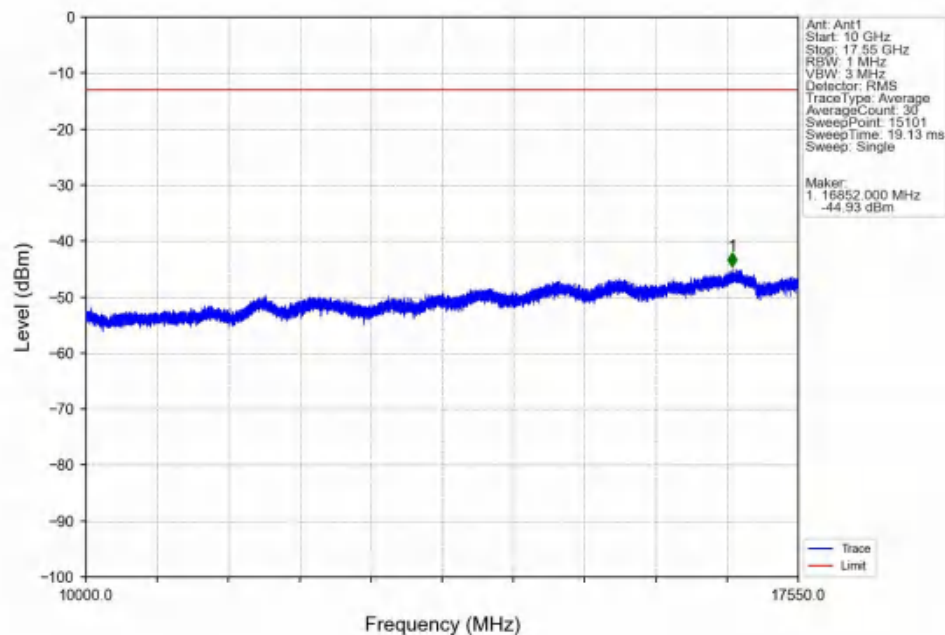




Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

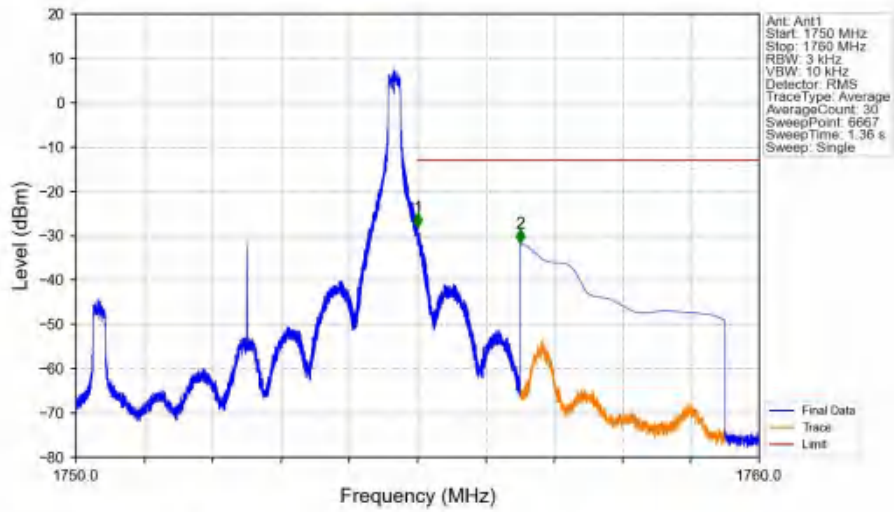


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



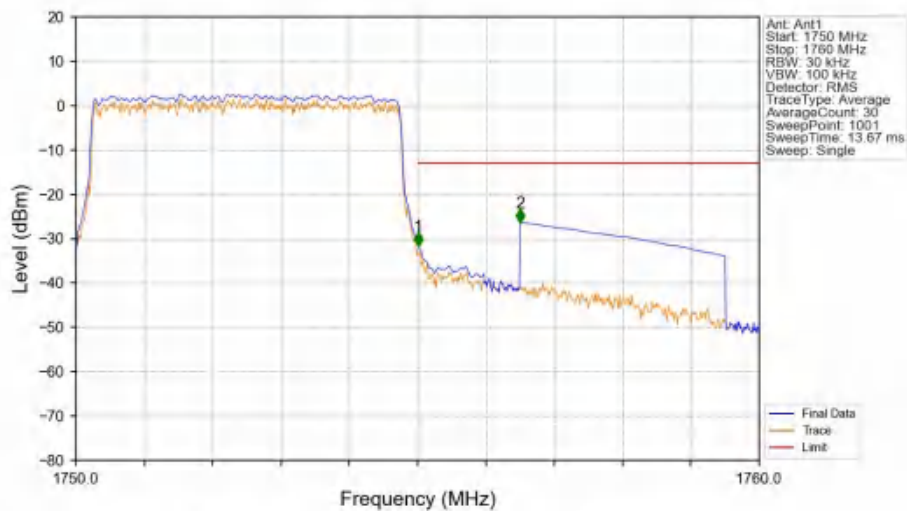


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



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	-27.96	-13	Pass
1756	1760	1	CHP	2	1756.500	-31.75	-13	Pass

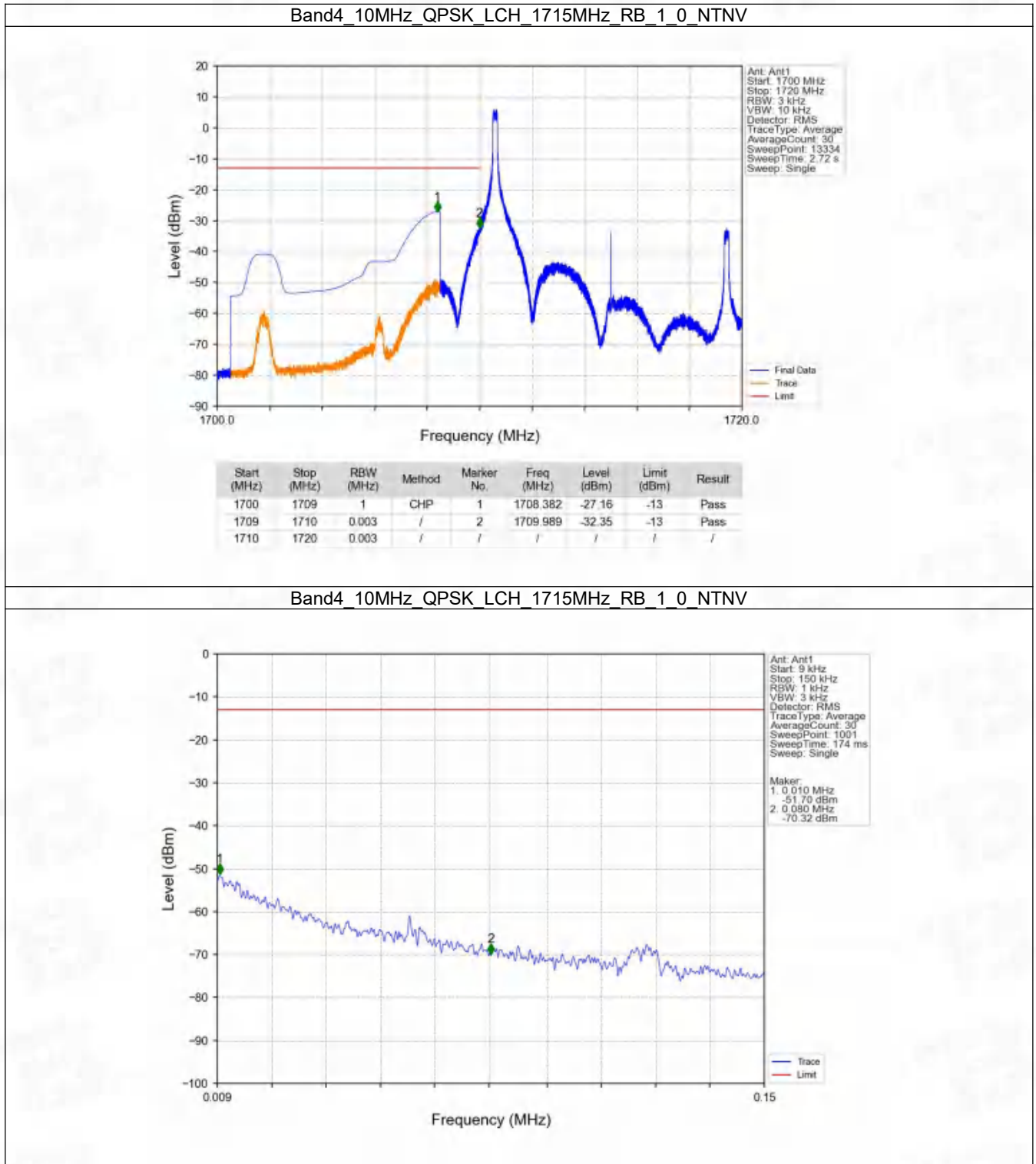
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	CHP	/	/	/	/	/
1755	1756	0.051	CHP	1	1755.010	-31.65	-13	Pass
1756	1760	1	CHP	2	1756.500	-26.31	-13	Pass

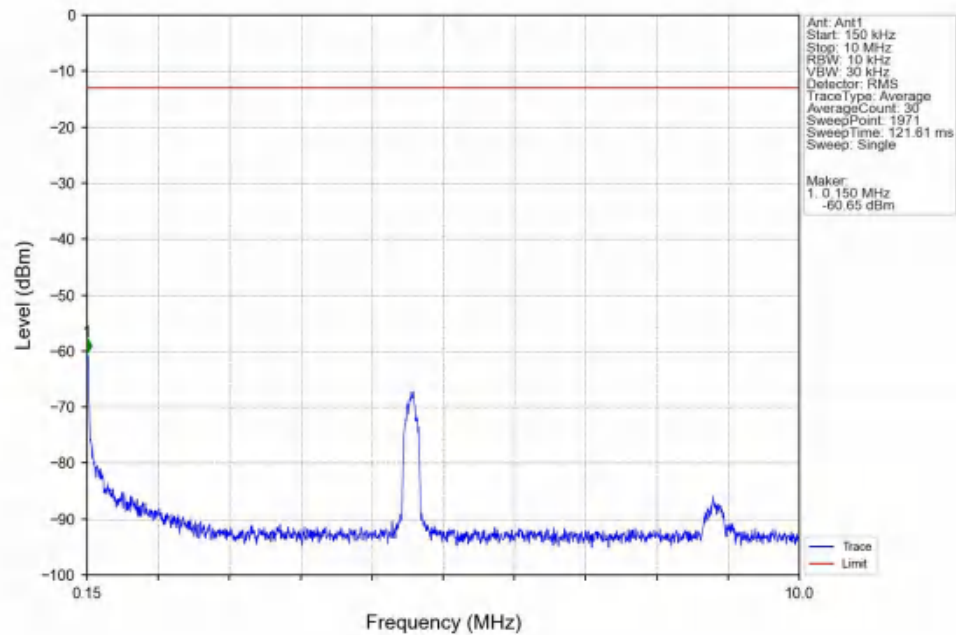


6.2.4 B4_10MHz

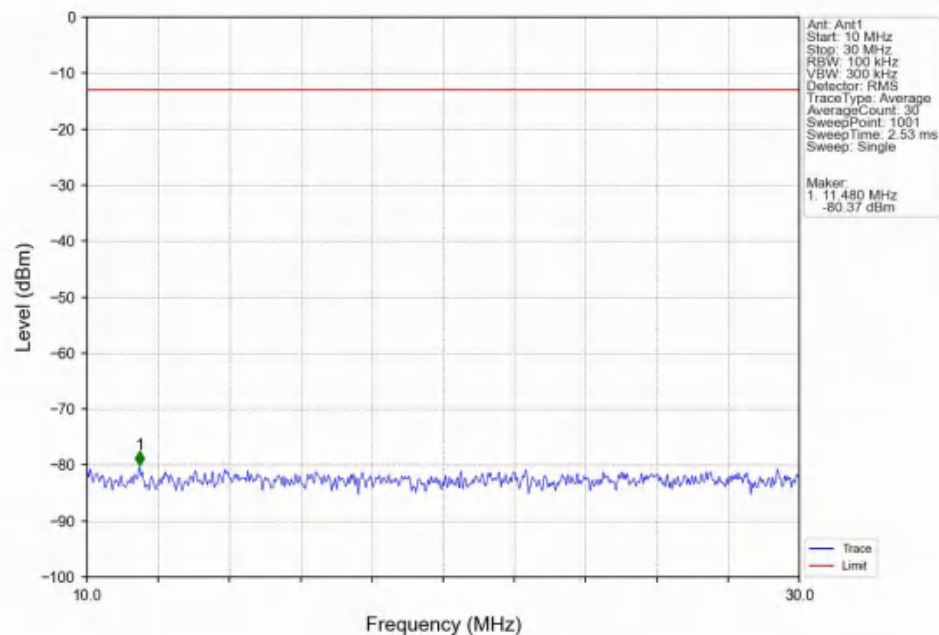




Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

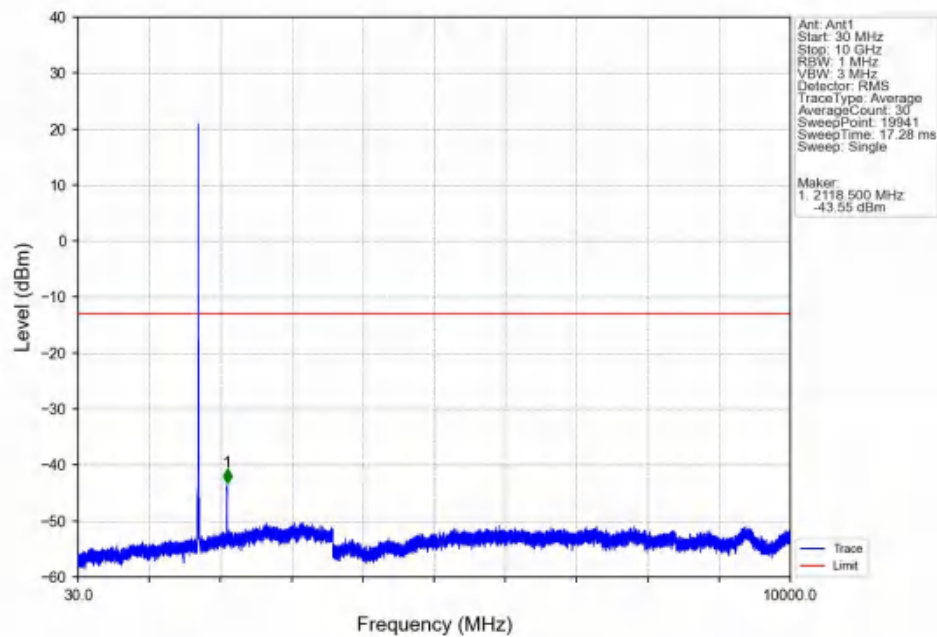


Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

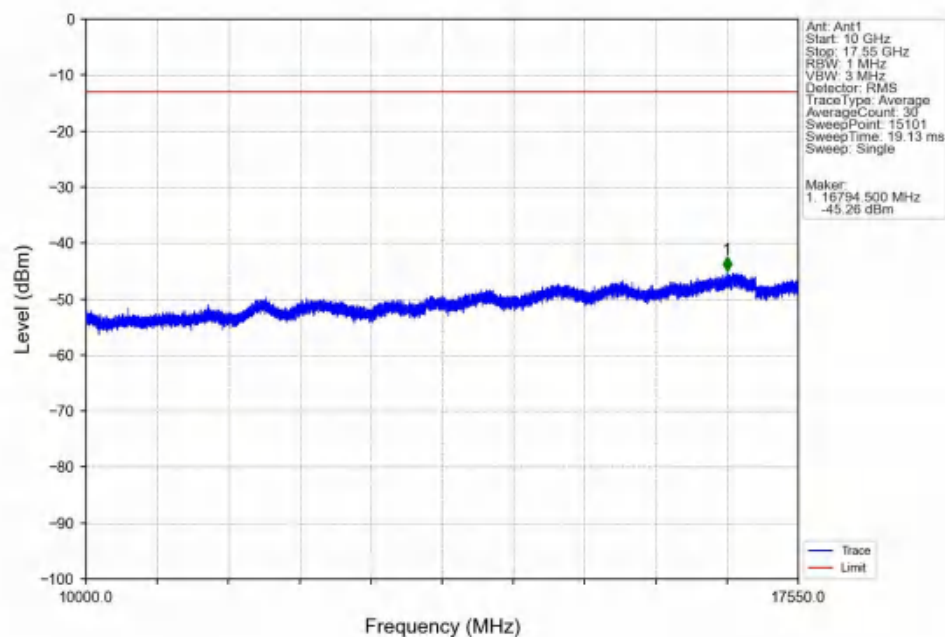




Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

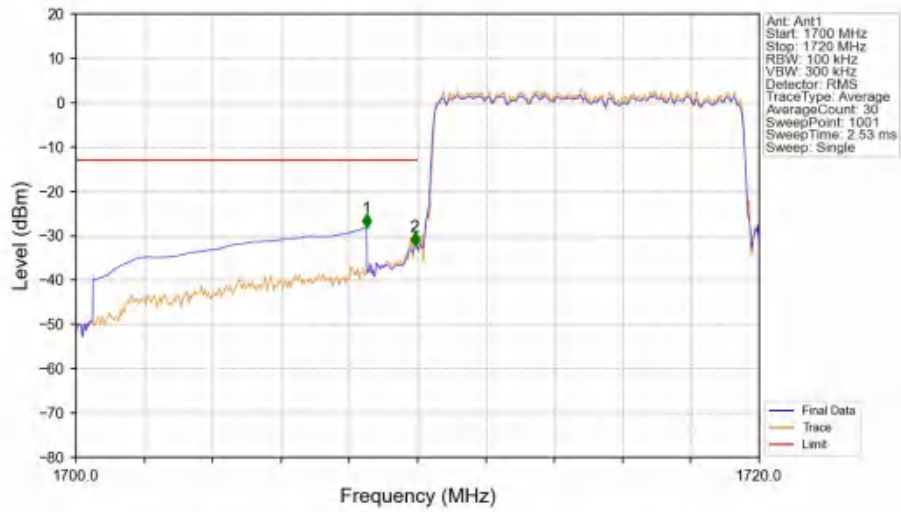


Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



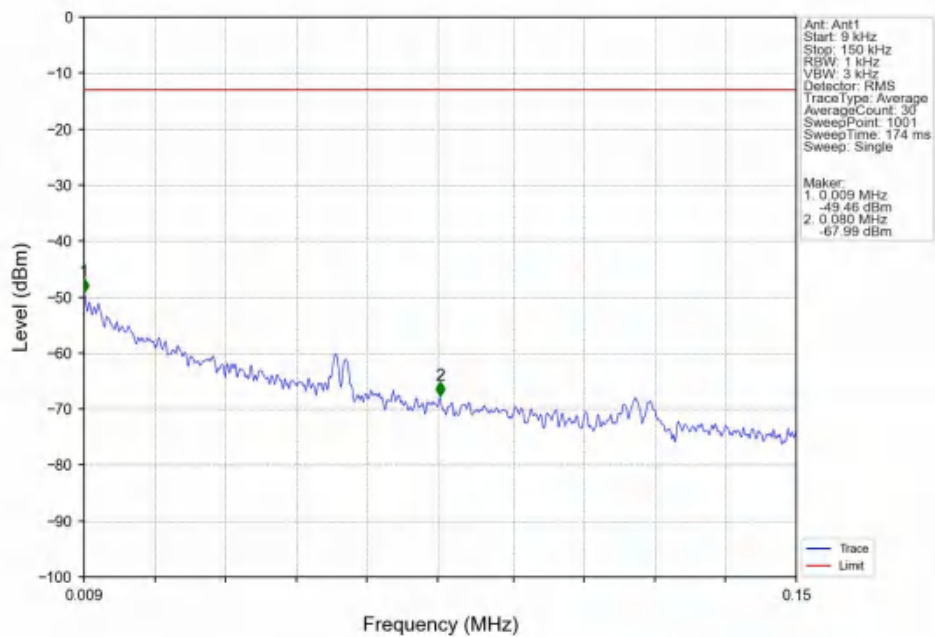


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



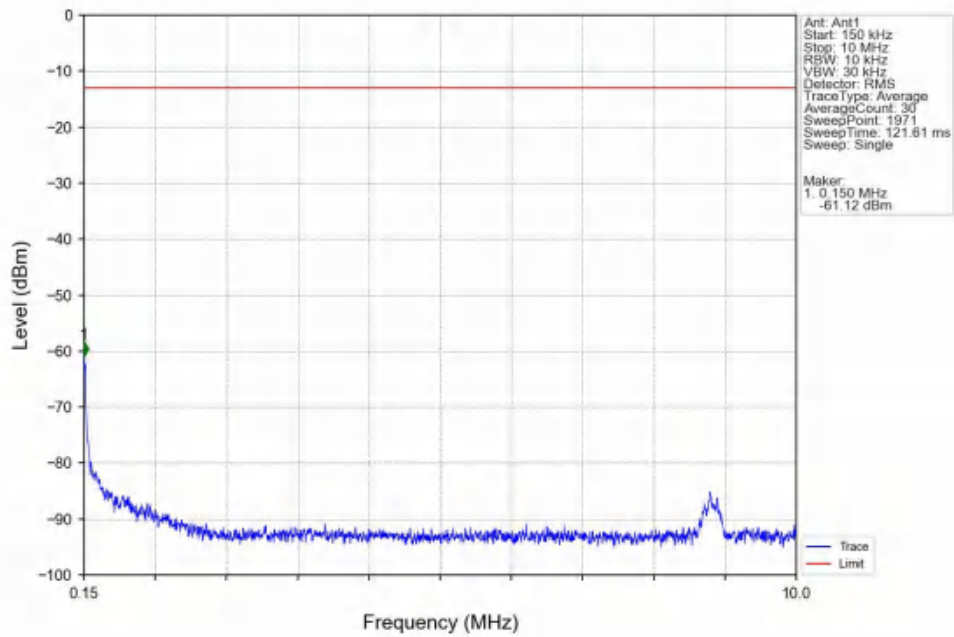
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.500	-28.15	-13	Pass
1709	1710	0.103	CHP	2	1709.920	-32.37	-13	Pass
1710	1720	0.103	CHP	/	/	/	/	/

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

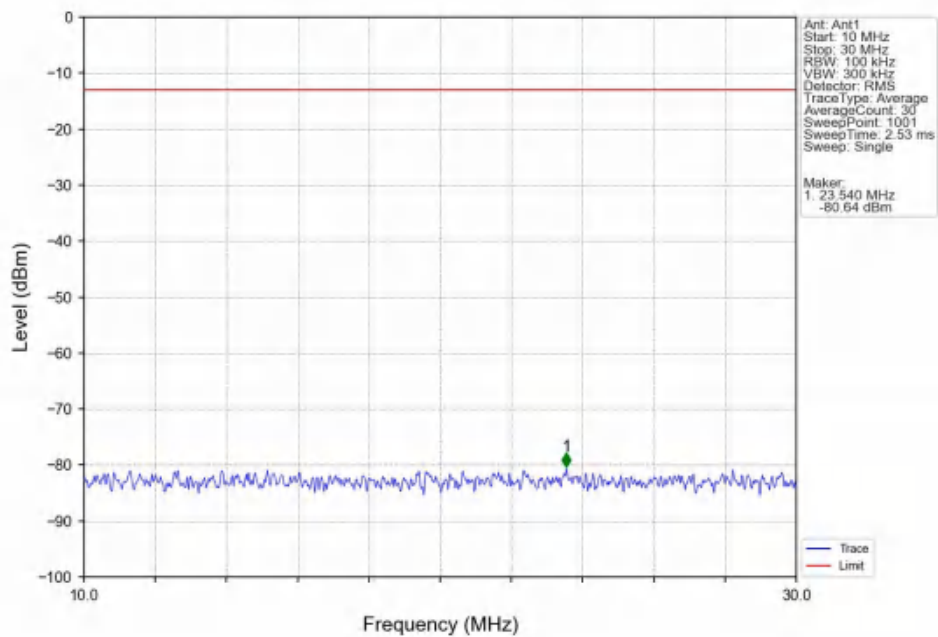




Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

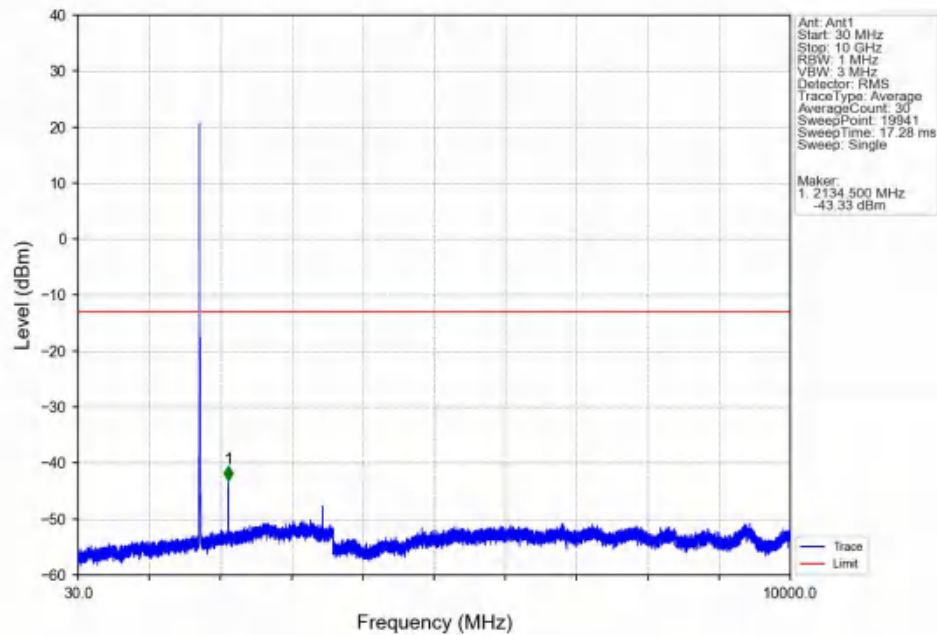


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

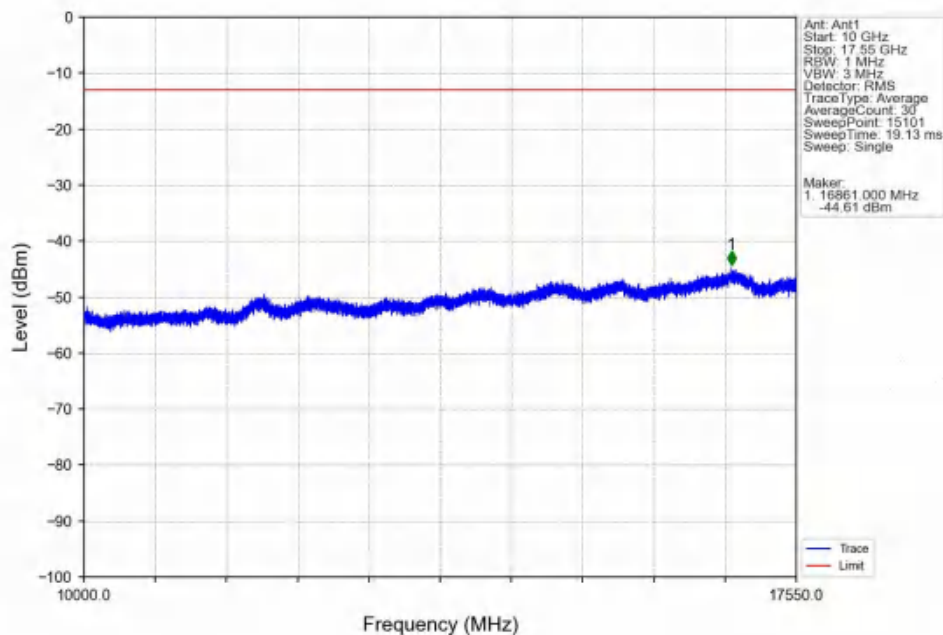




Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

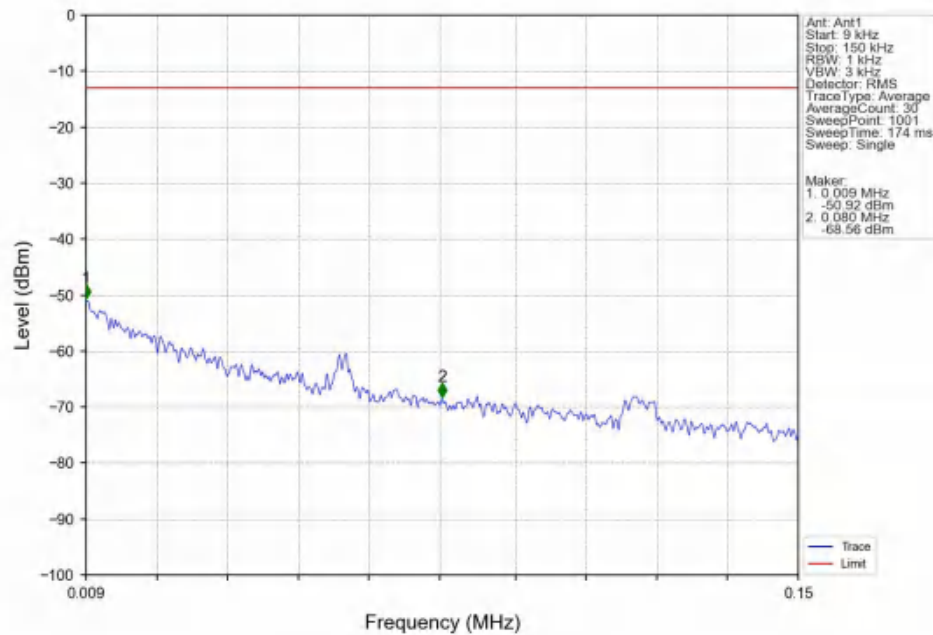


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

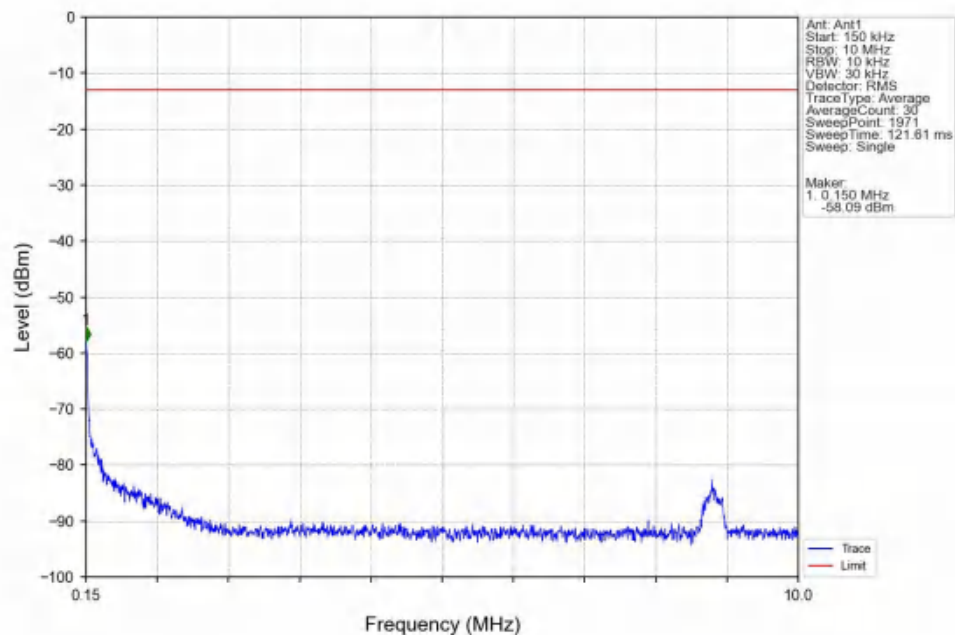




Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

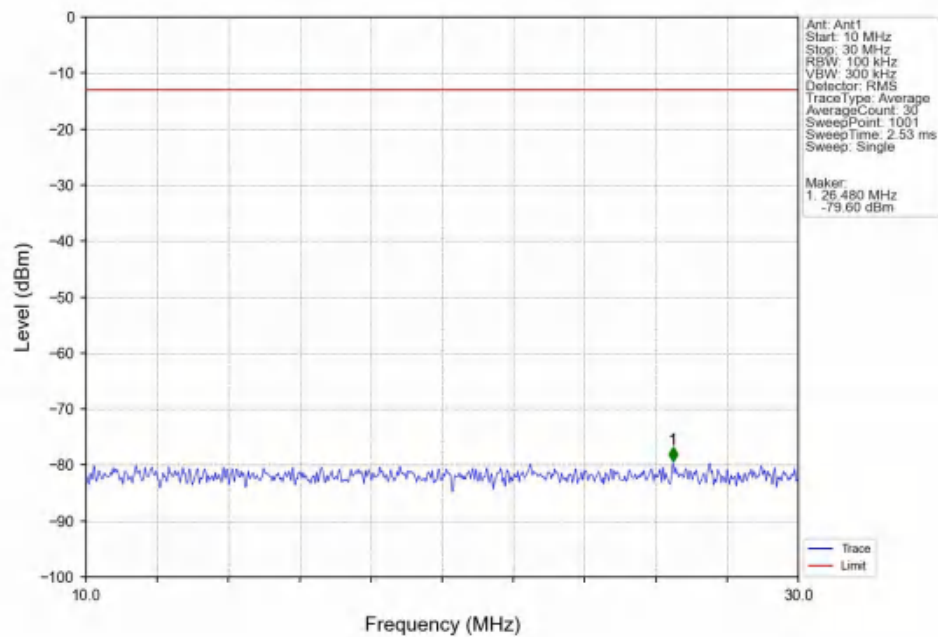


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV

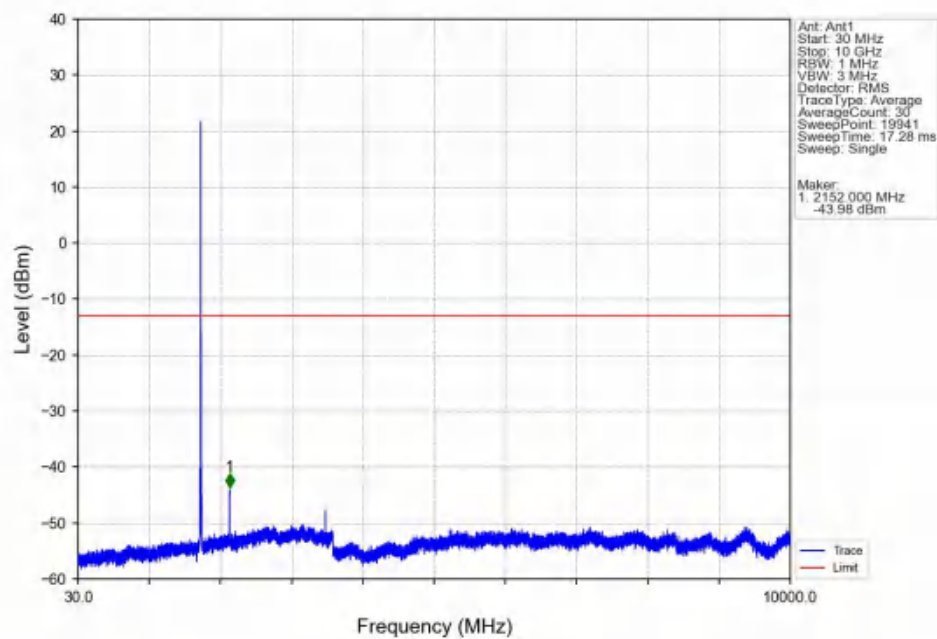




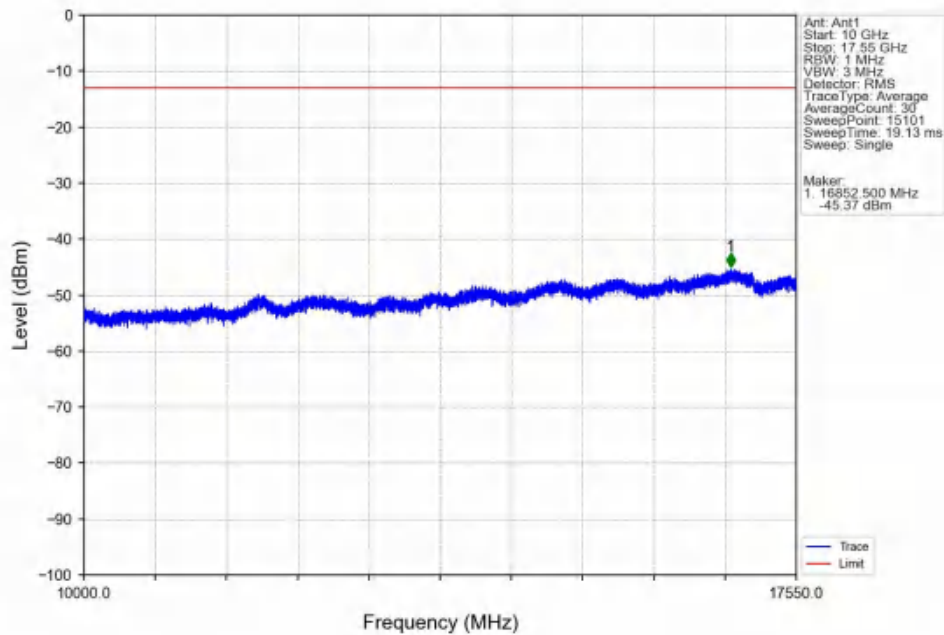
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



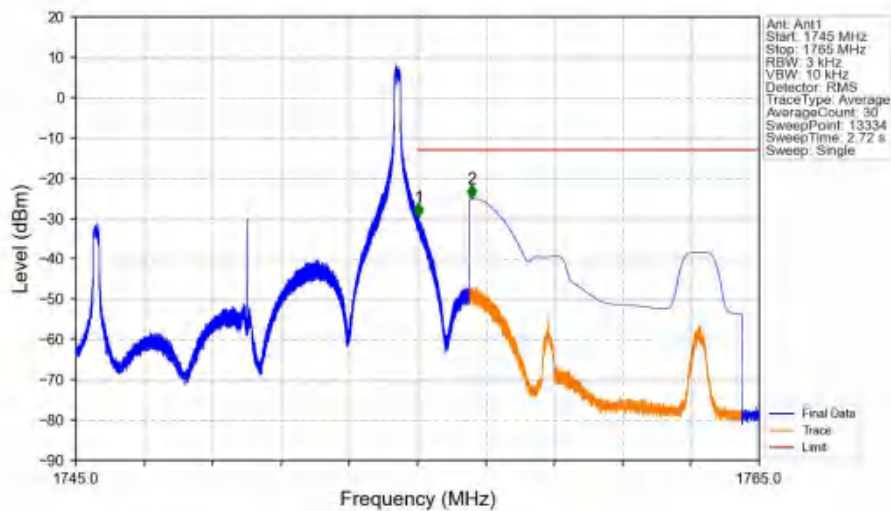
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



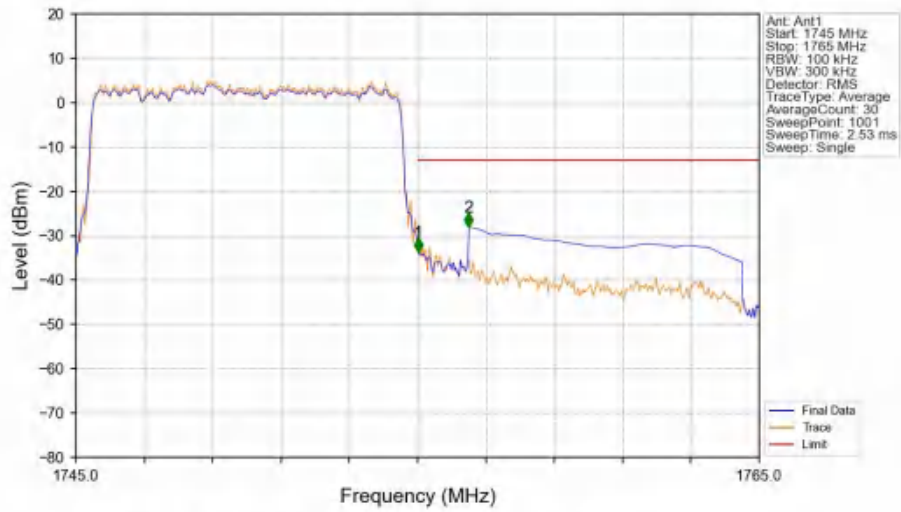
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



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	1755.026	-29.68	-13	Pass
1756	1765	1	CHP	2	1756.586	-25.03	-13	Pass

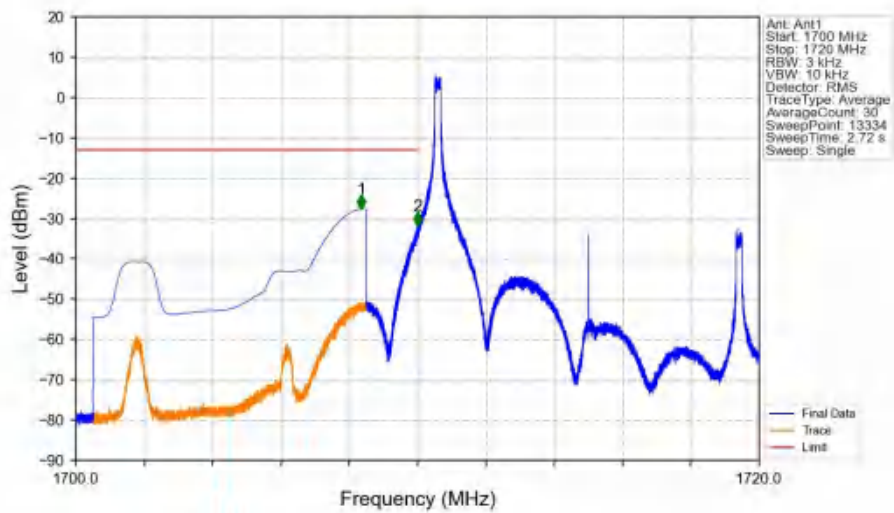


Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.103	CHP	/	/	/	/	/
1755	1756	0.103	CHP	1	1755.020	-33.70	-13	Pass
1756	1765	1	CHP	2	1756.500	-27.96	-13	Pass

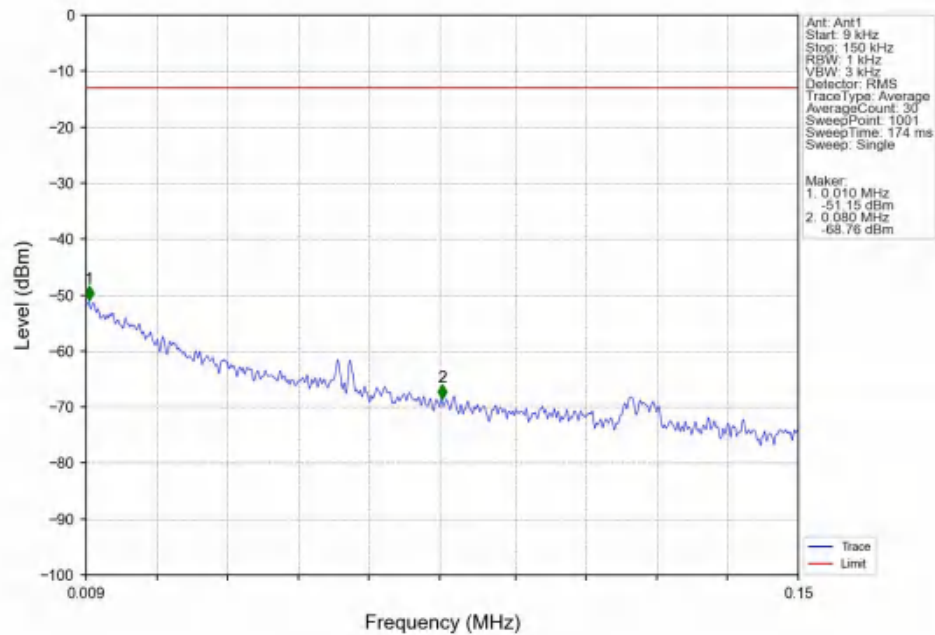
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



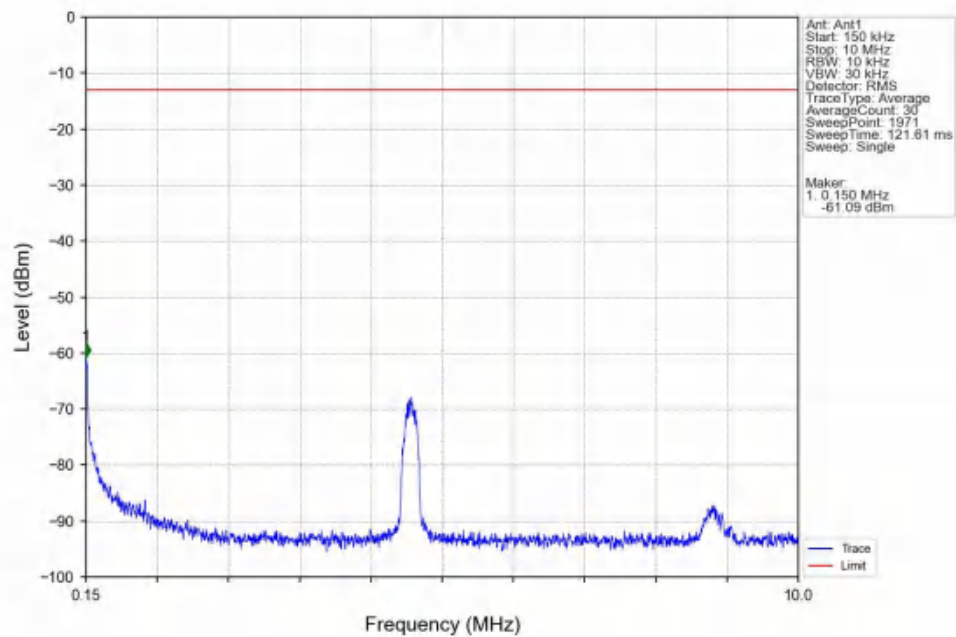
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.357	-27.70	-13	Pass
1709	1710	0.003	/	2	1709.999	-31.87	-13	Pass
1710	1720	0.003	/	/	/	/	/	/



Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

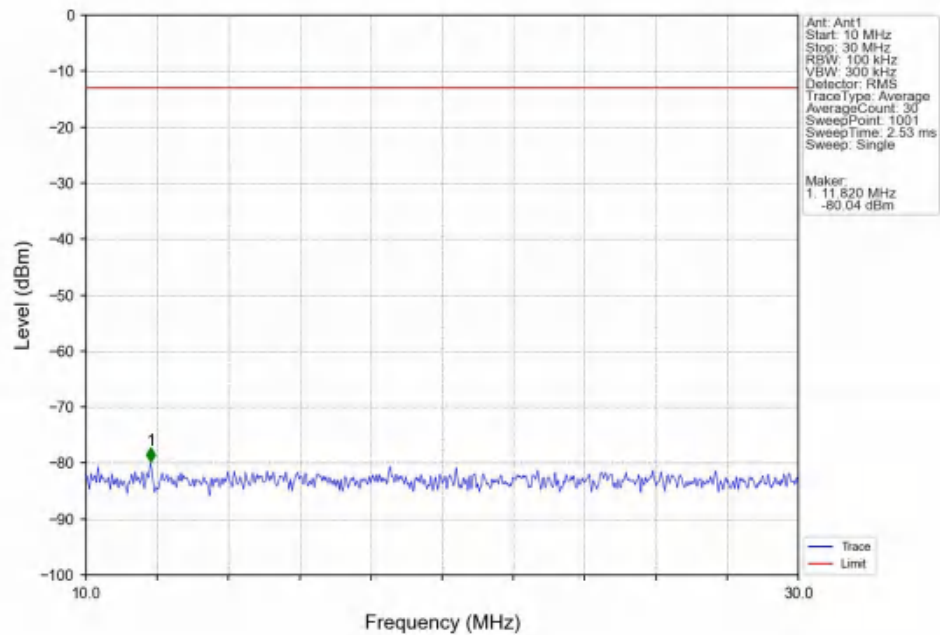


Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

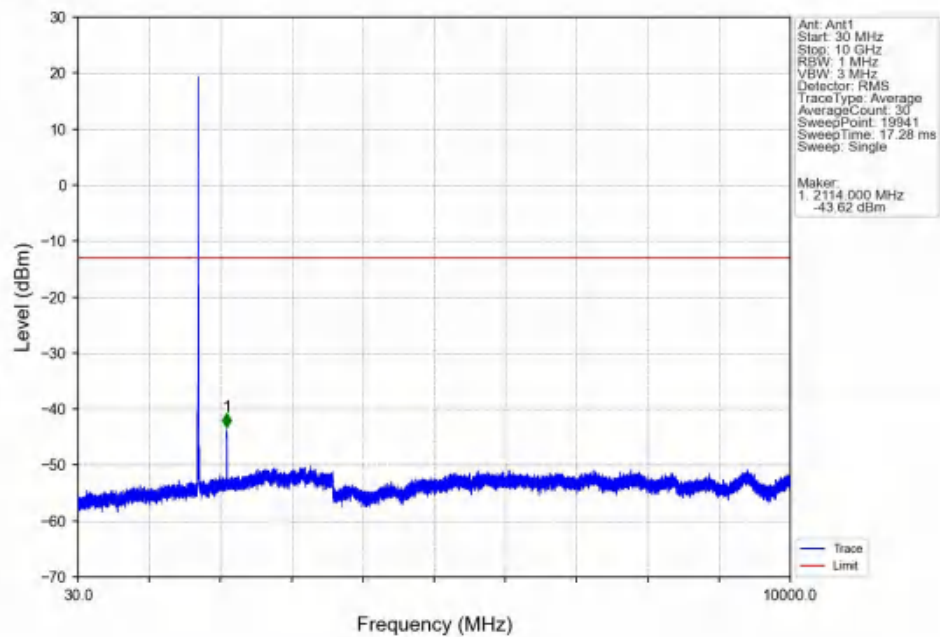




Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

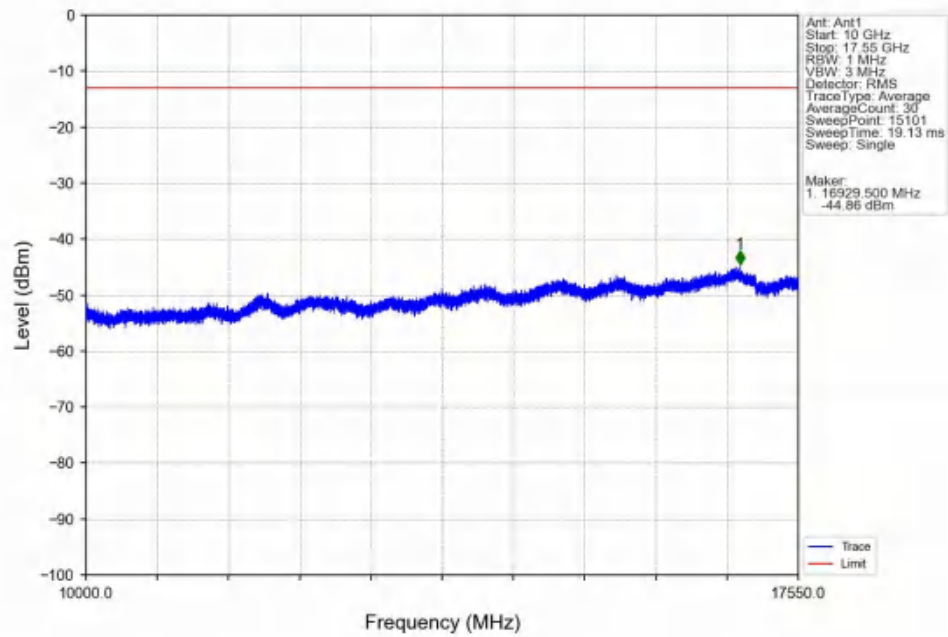


Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

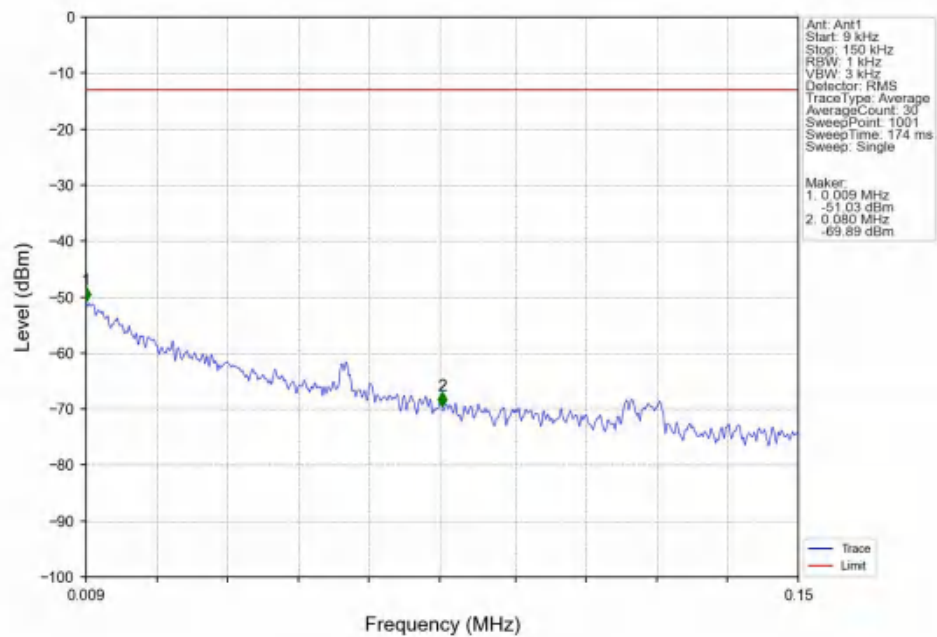




Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

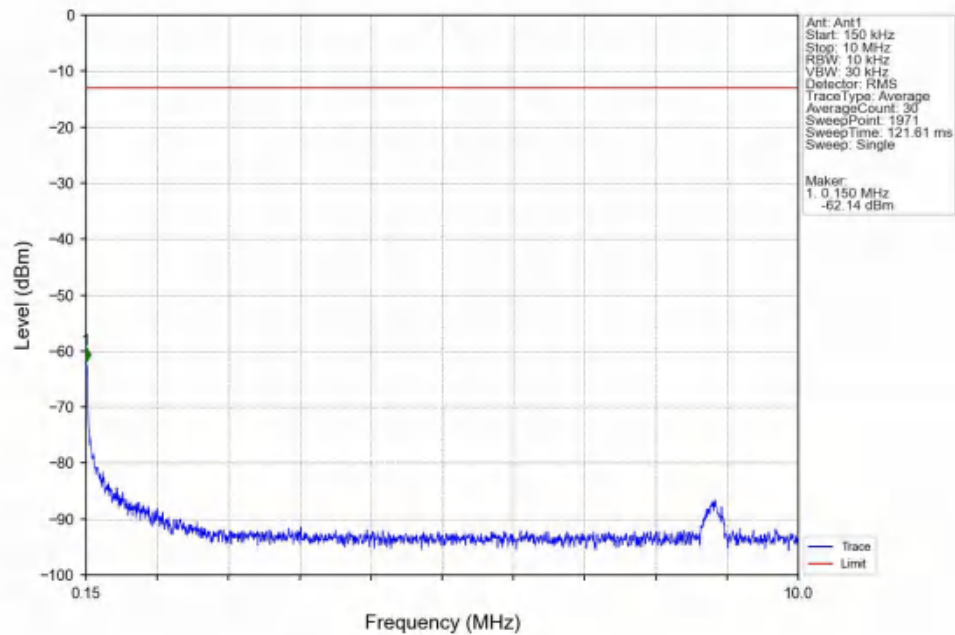


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

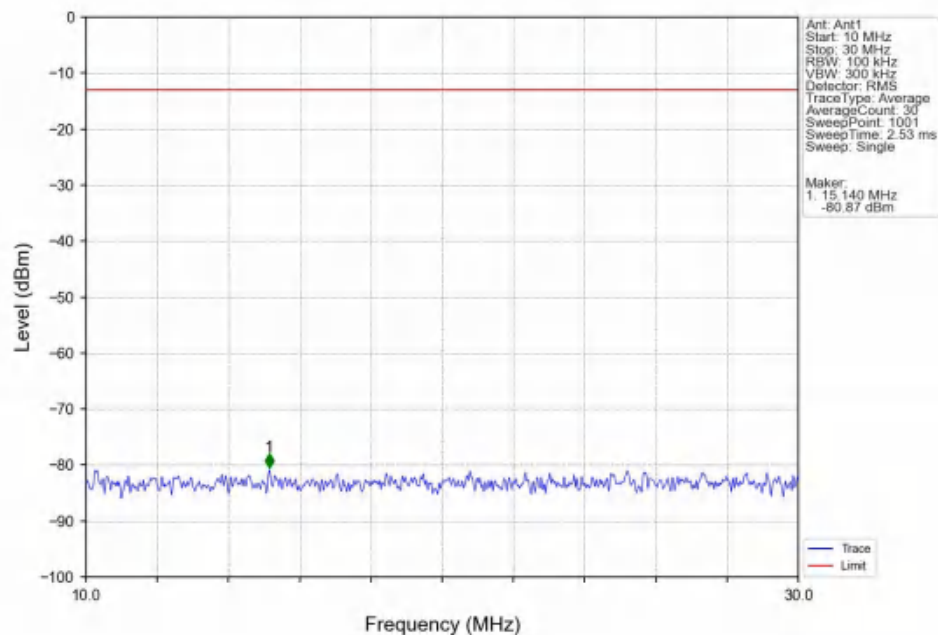




Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

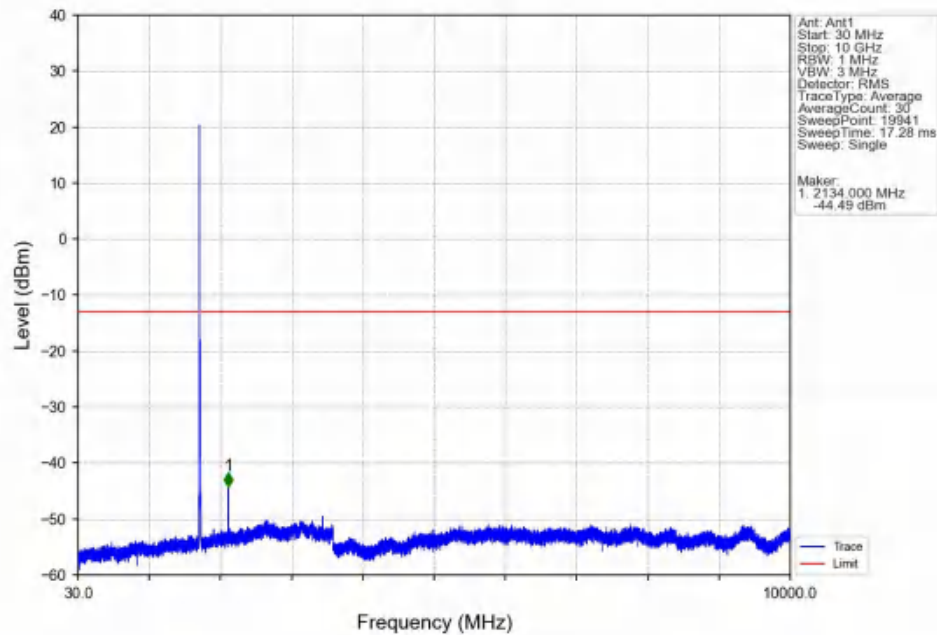


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

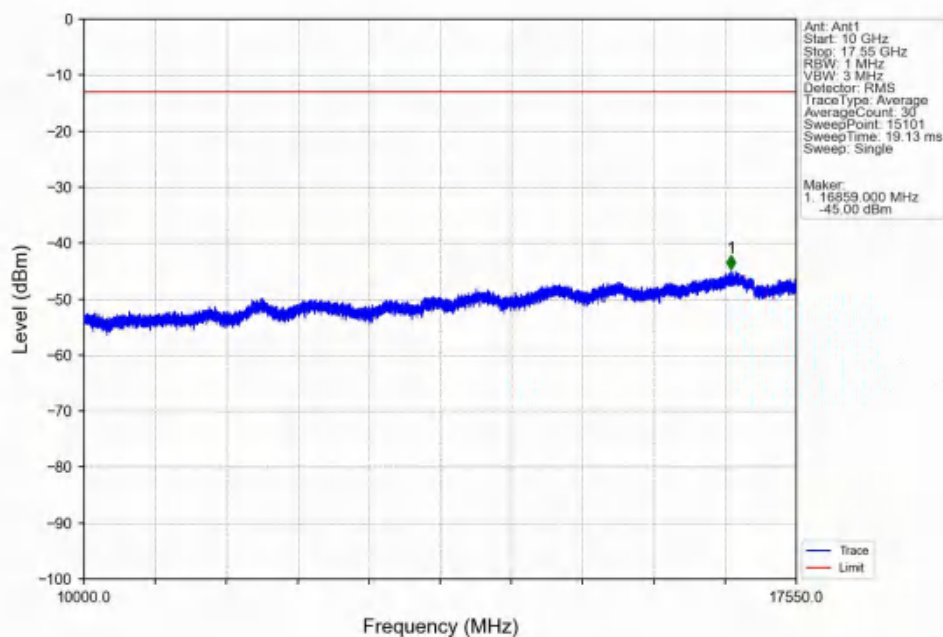




Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

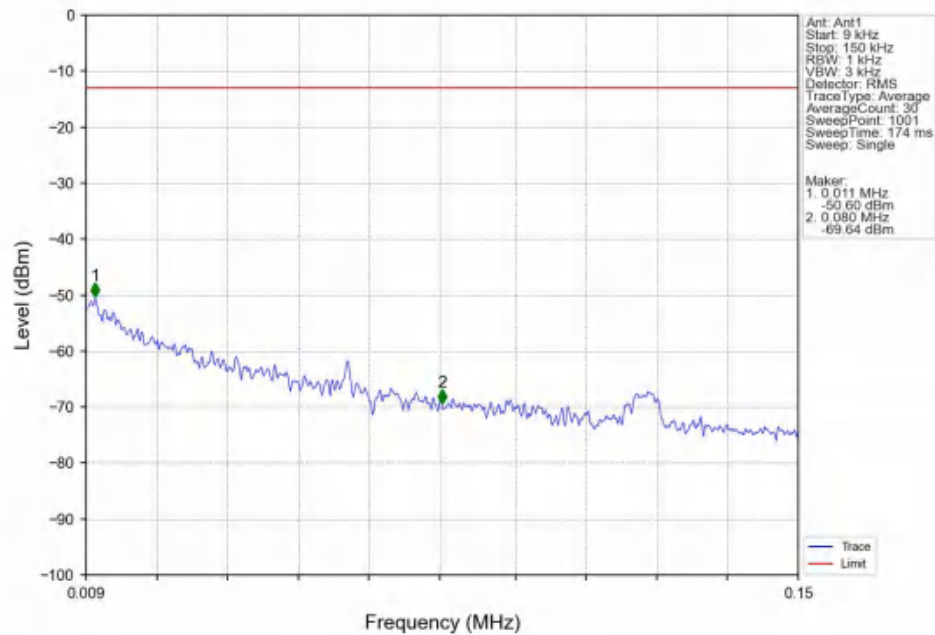


Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

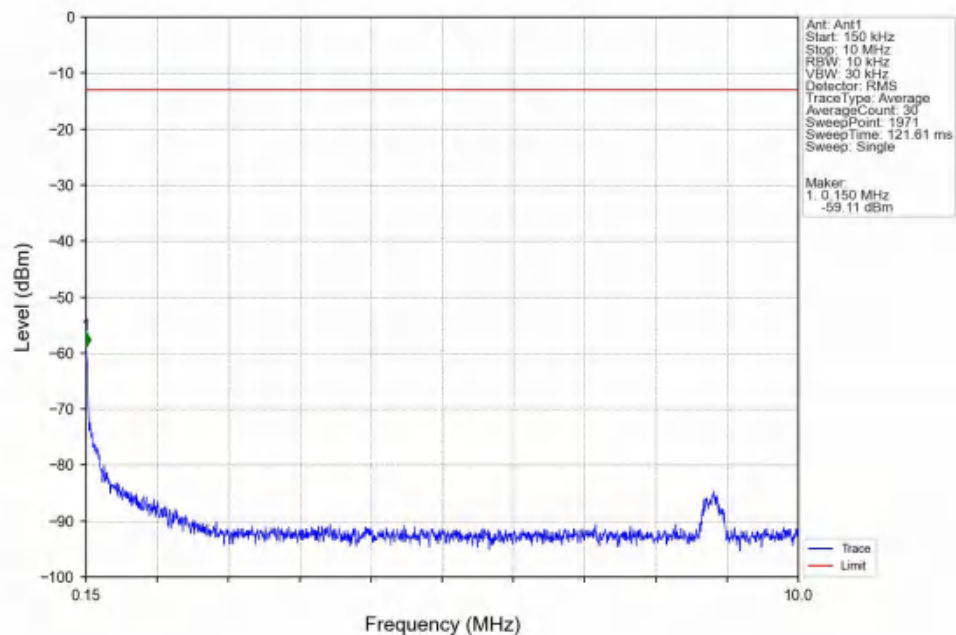




Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

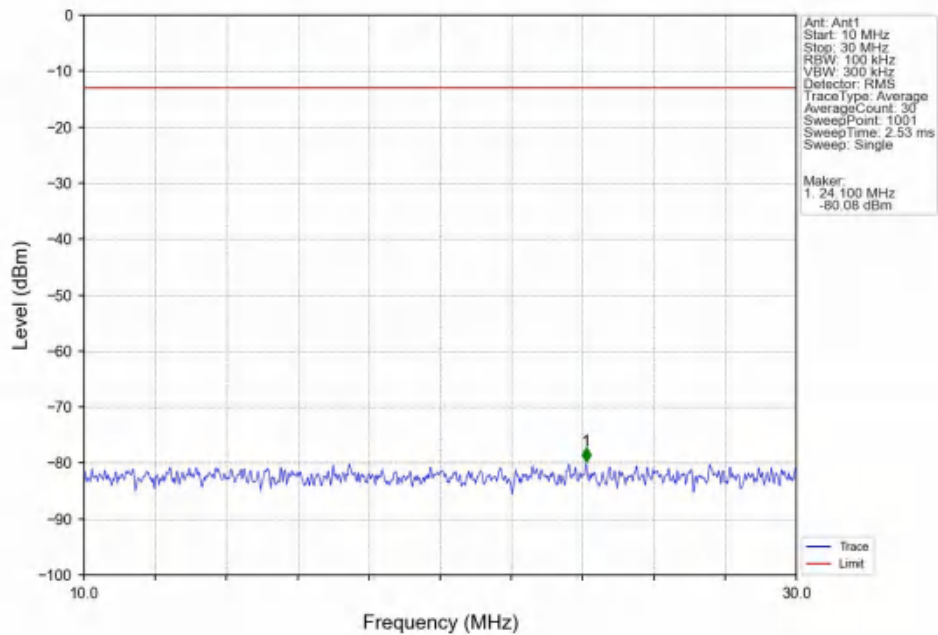


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

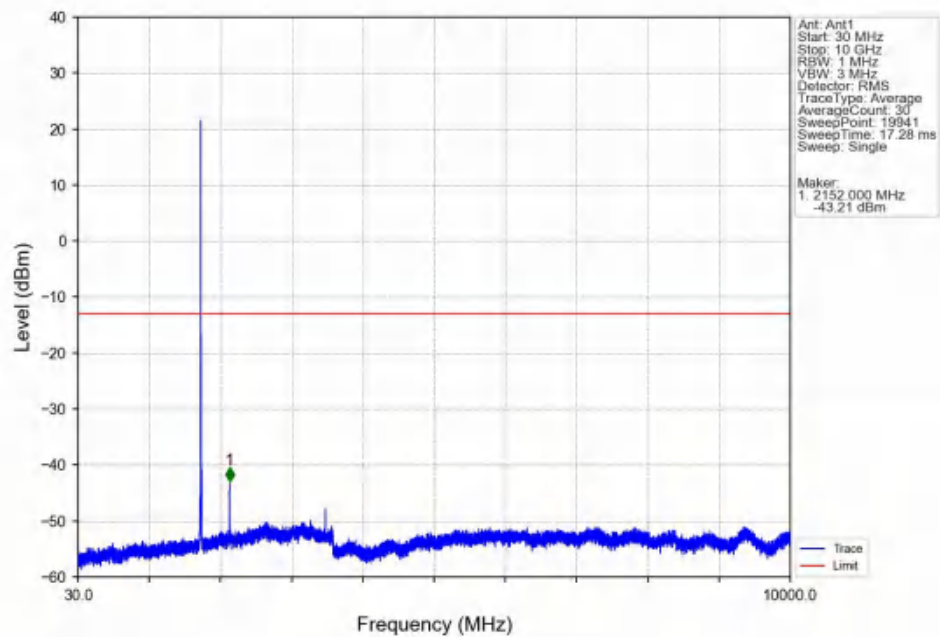




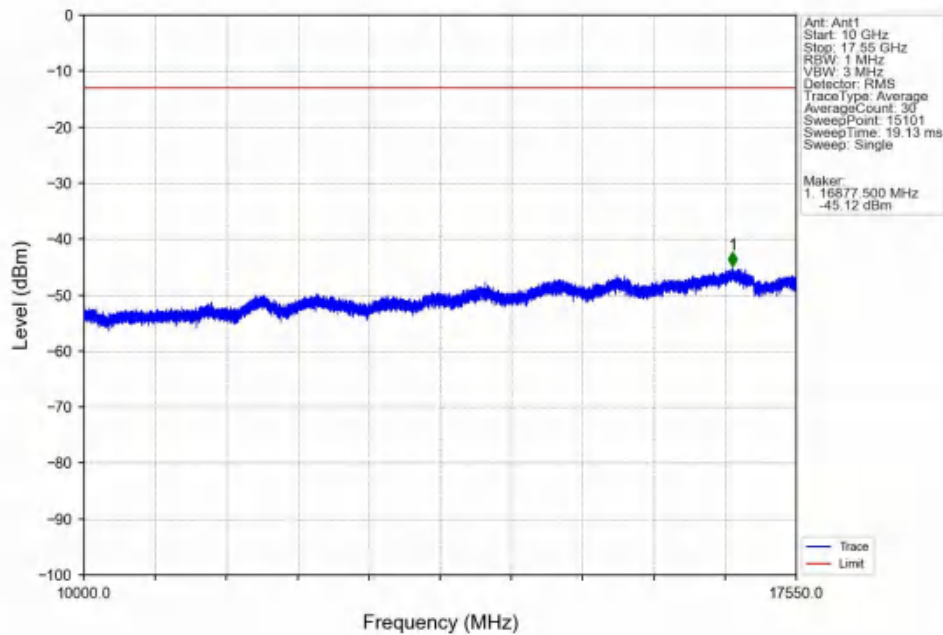
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



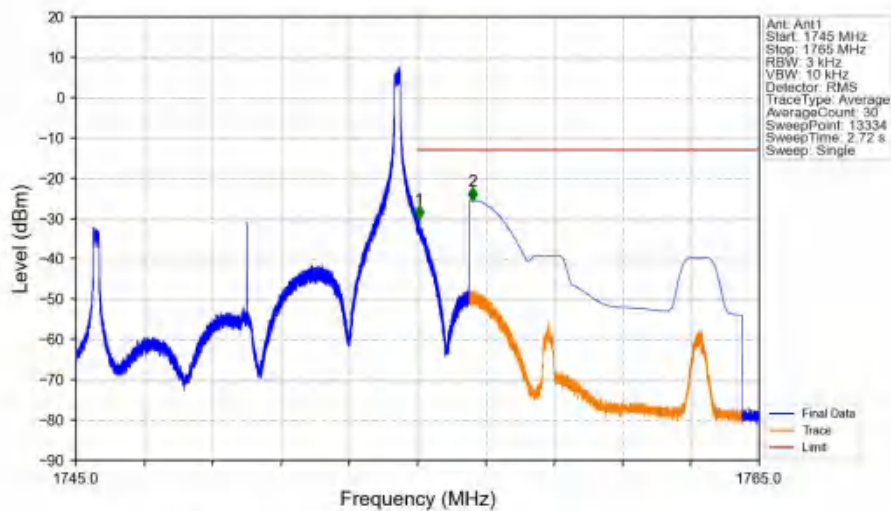
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



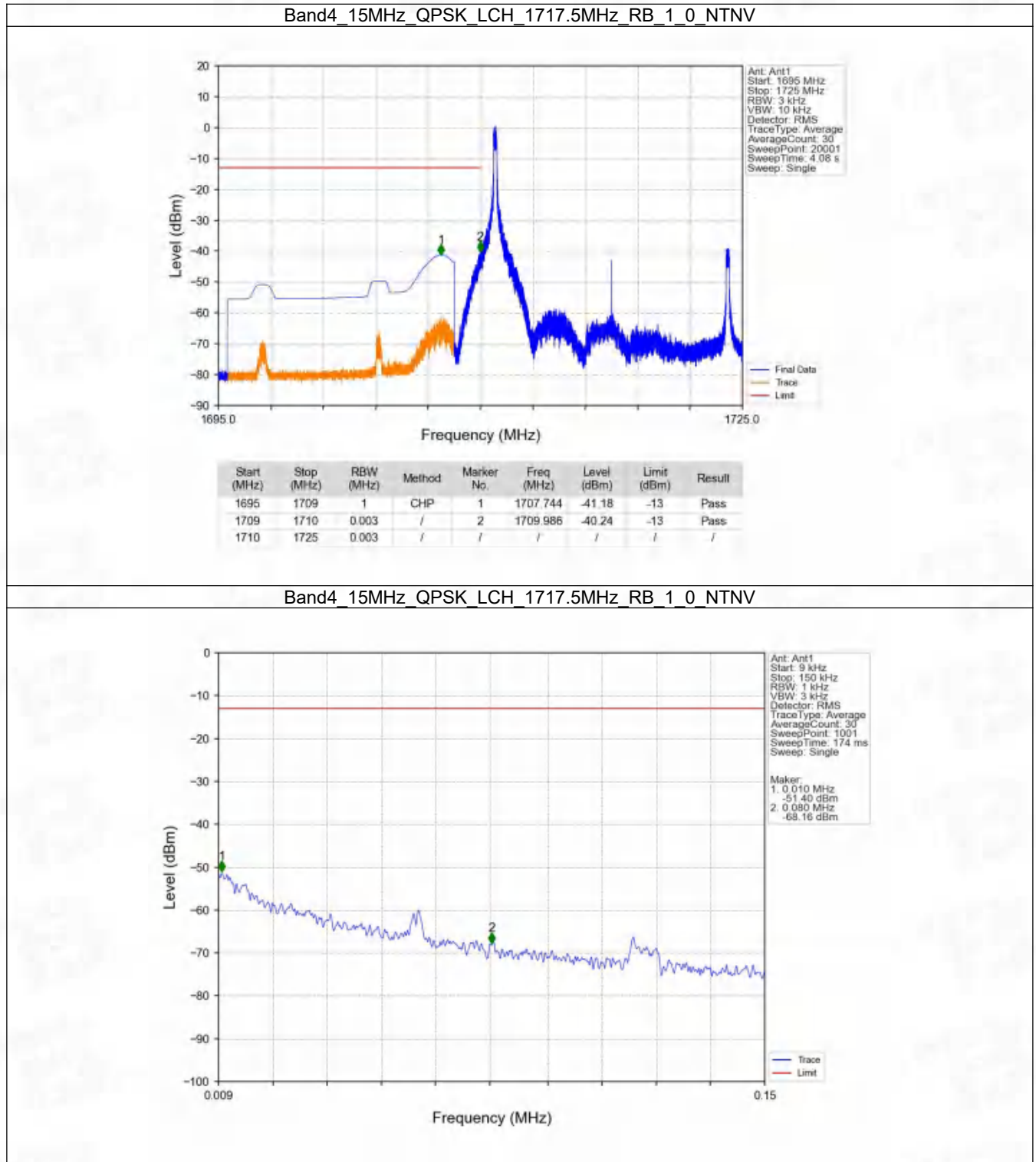
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



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	1755.043	-30.24	-13	Pass
1756	1765	1	CHP	2	1756.616	-25.57	-13	Pass

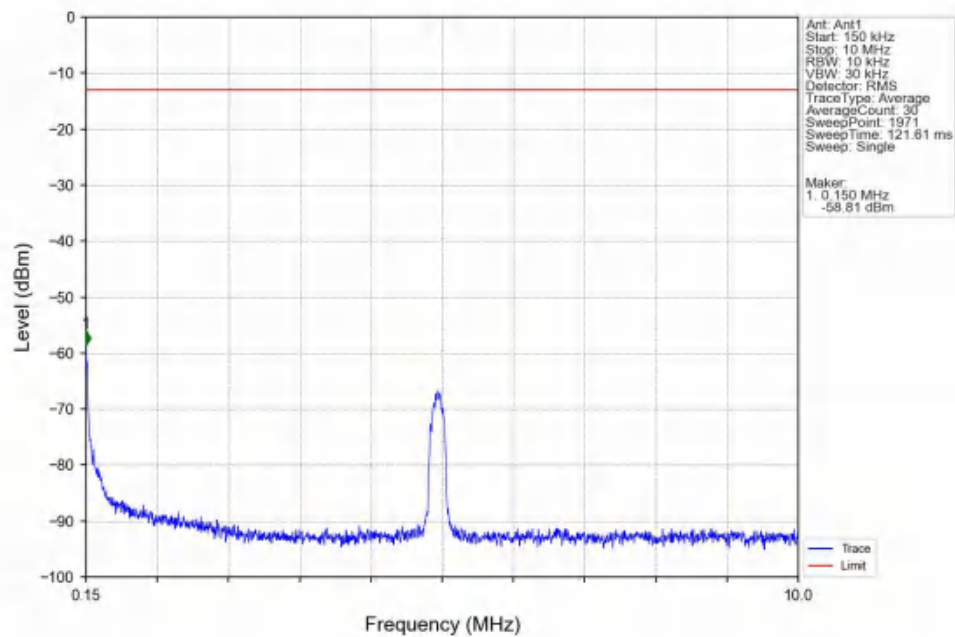


6.2.5 B4_15MHz

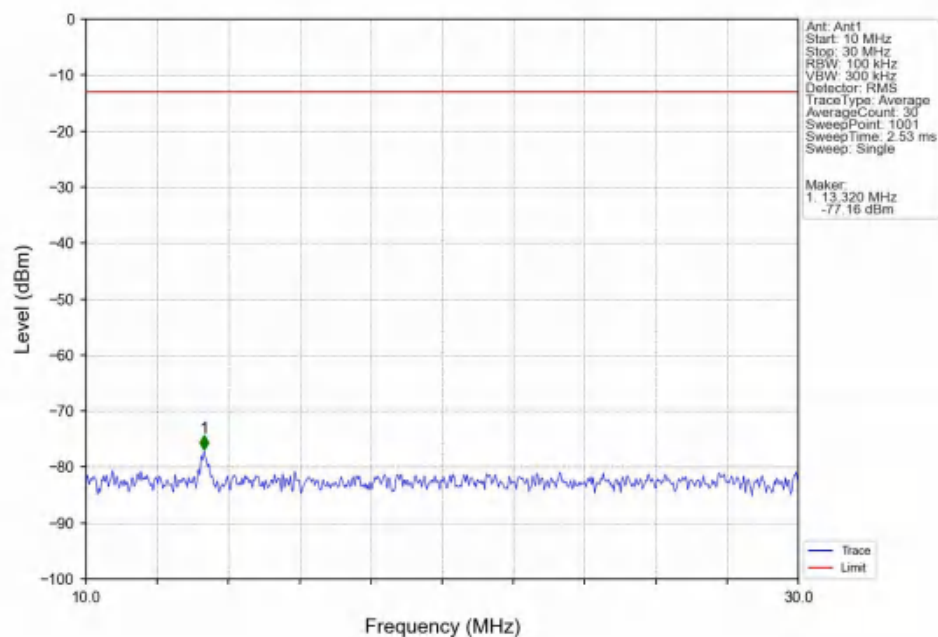




Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

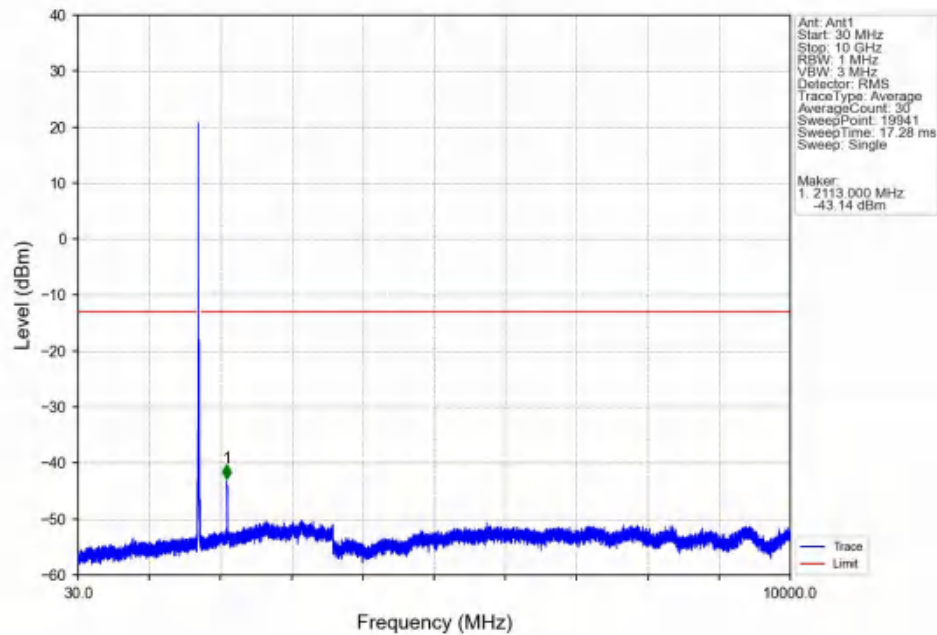


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

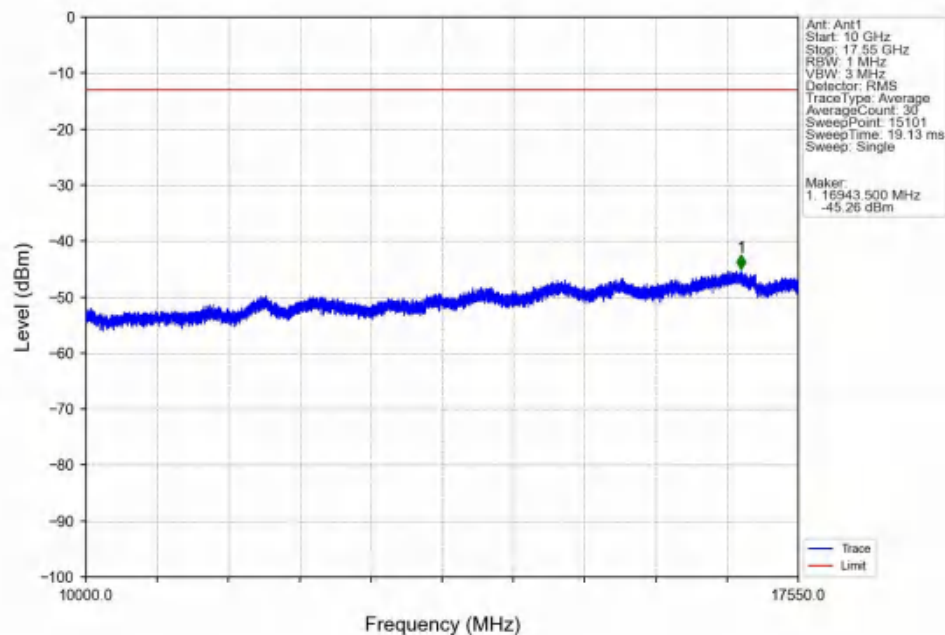




Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

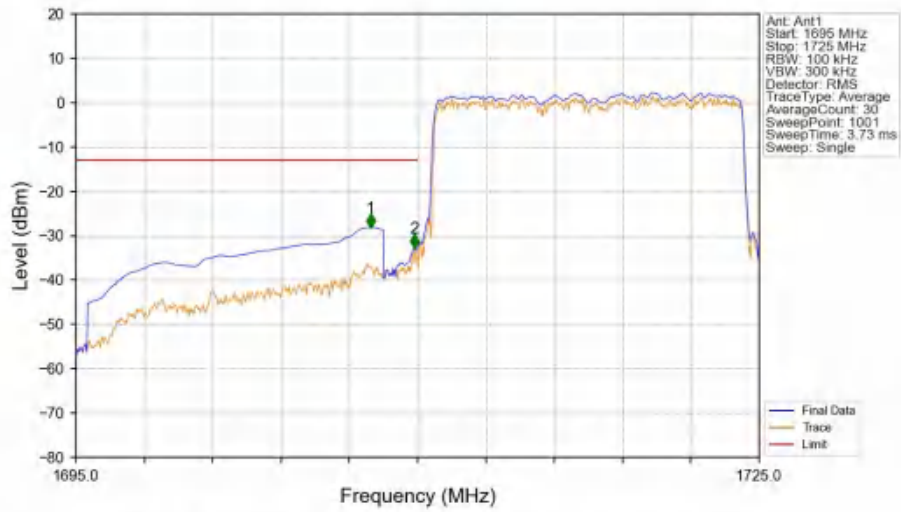


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



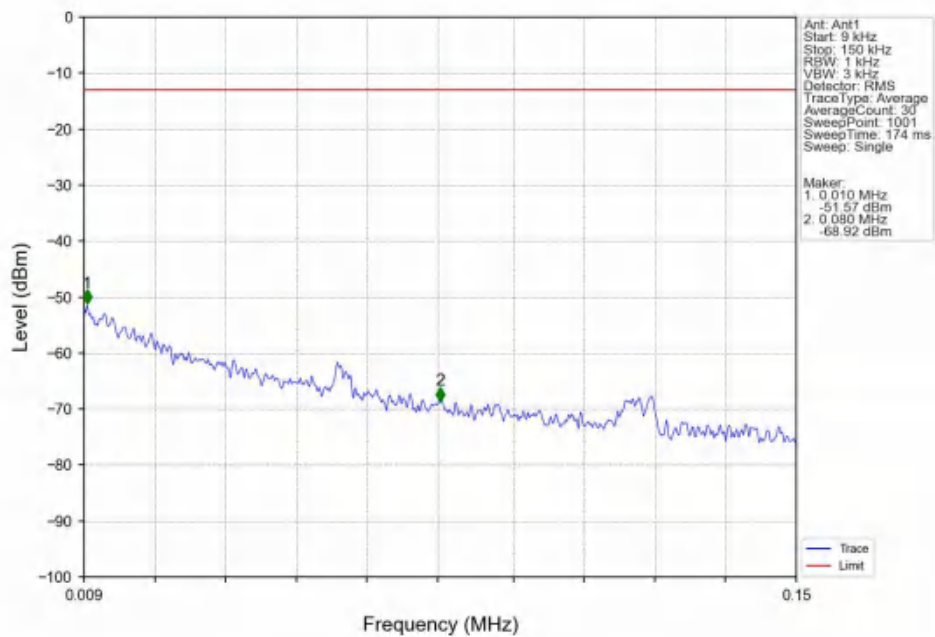


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



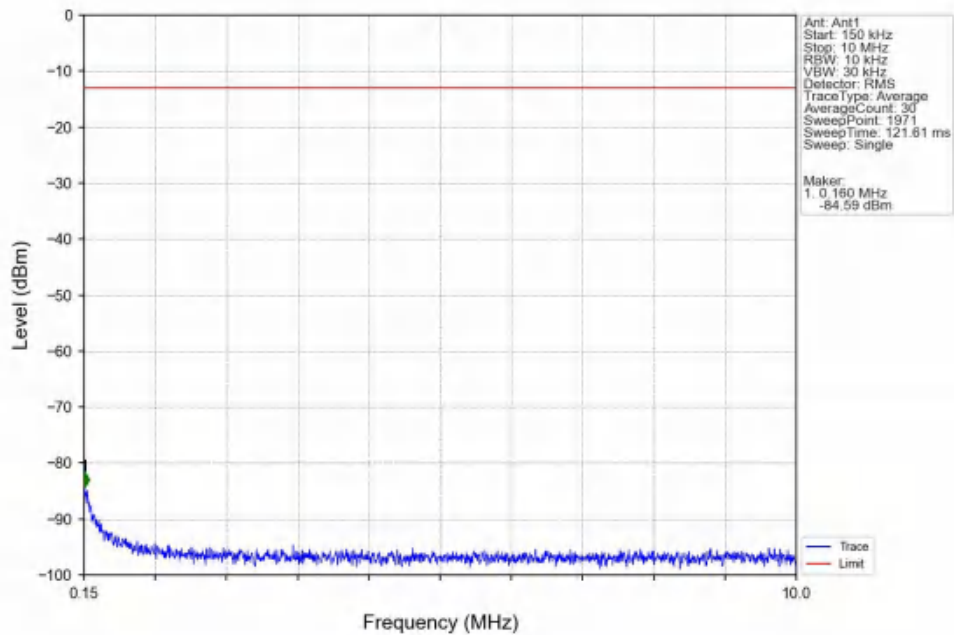
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.930	-28.19	-13	Pass
1709	1710	0.157	CHP	2	1709.850	-32.85	-13	Pass
1710	1725	0.157	CHP	/	/	/	/	/

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

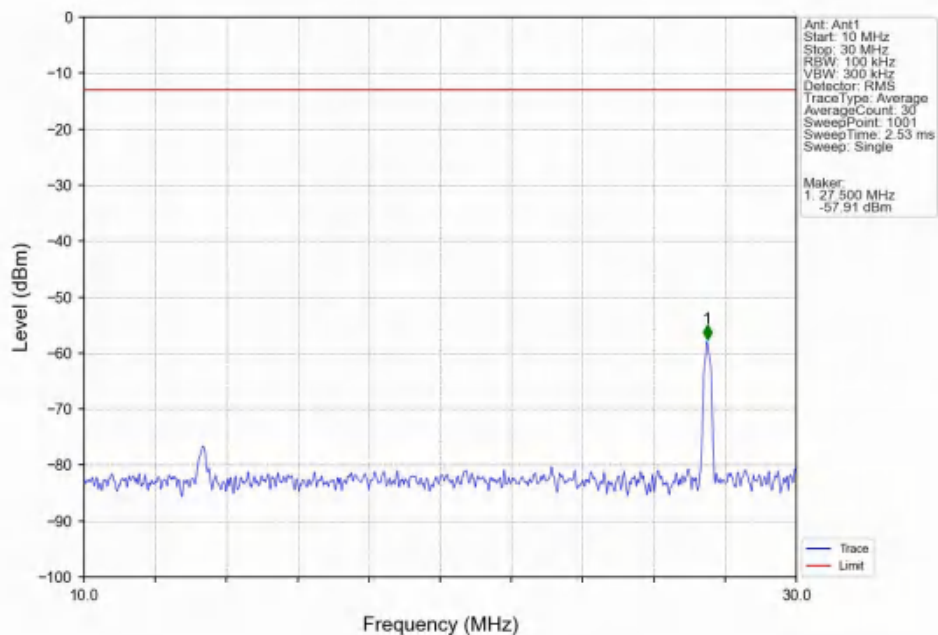




Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

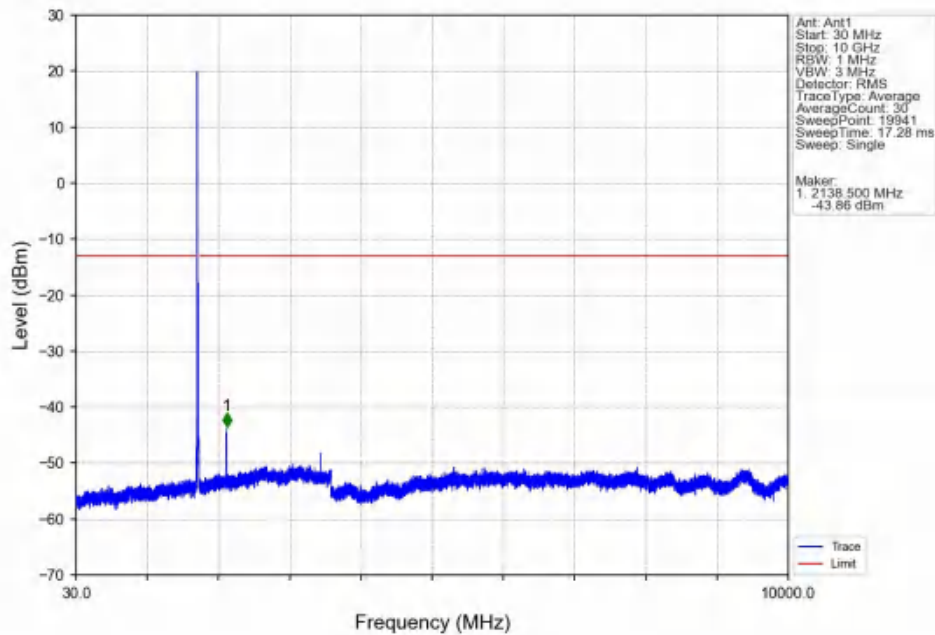


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

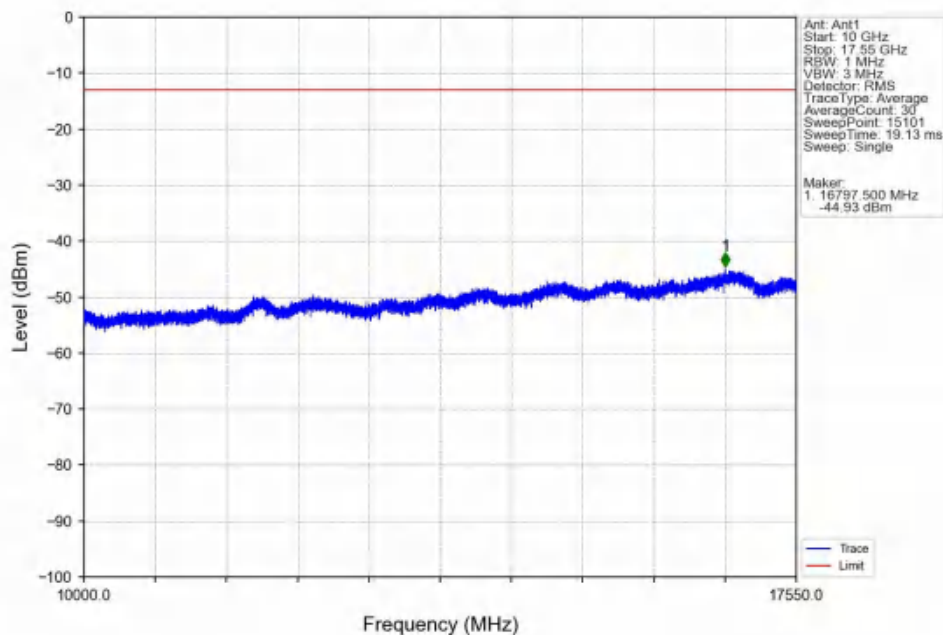




Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

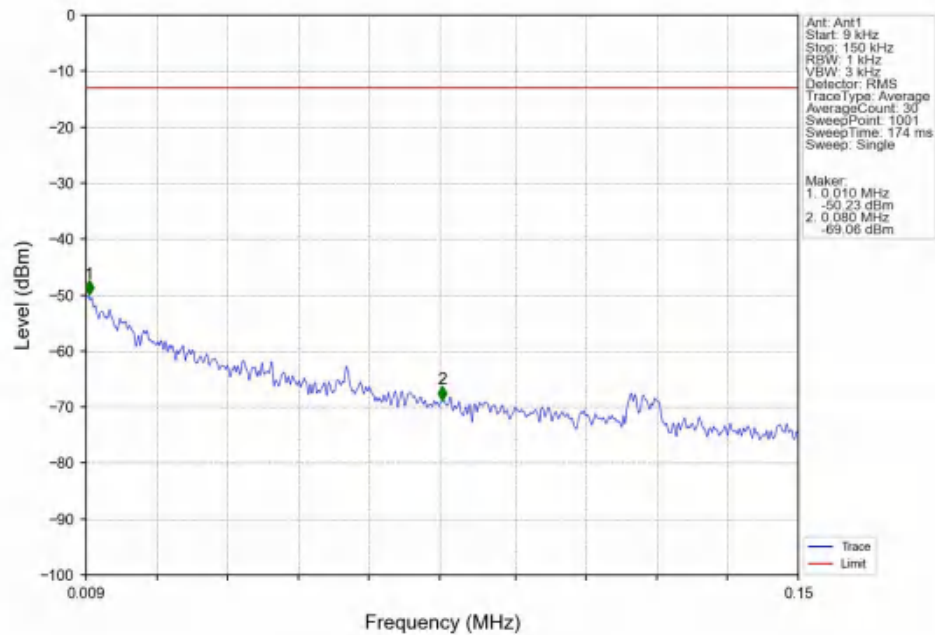


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

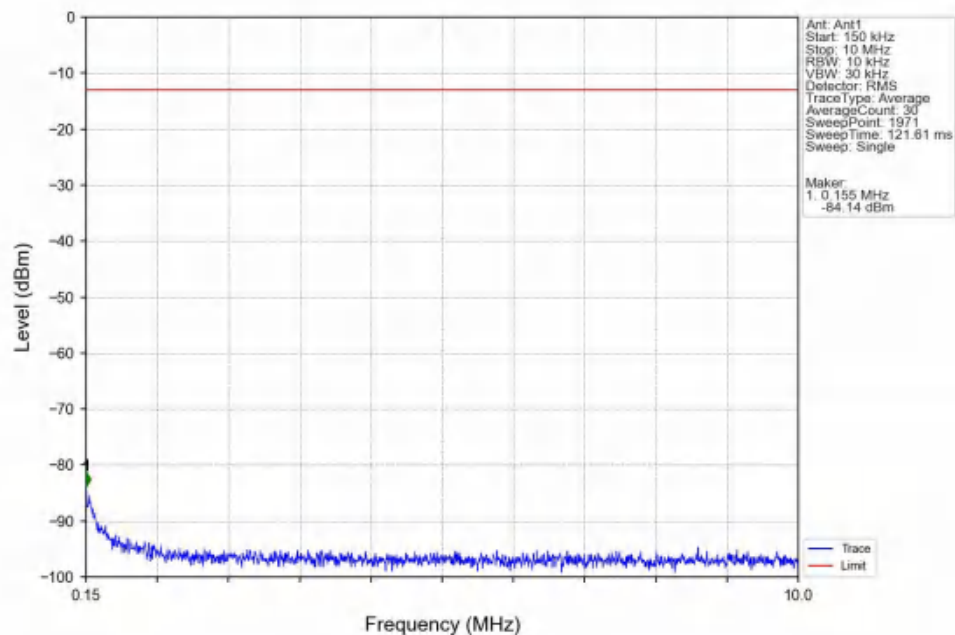




Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

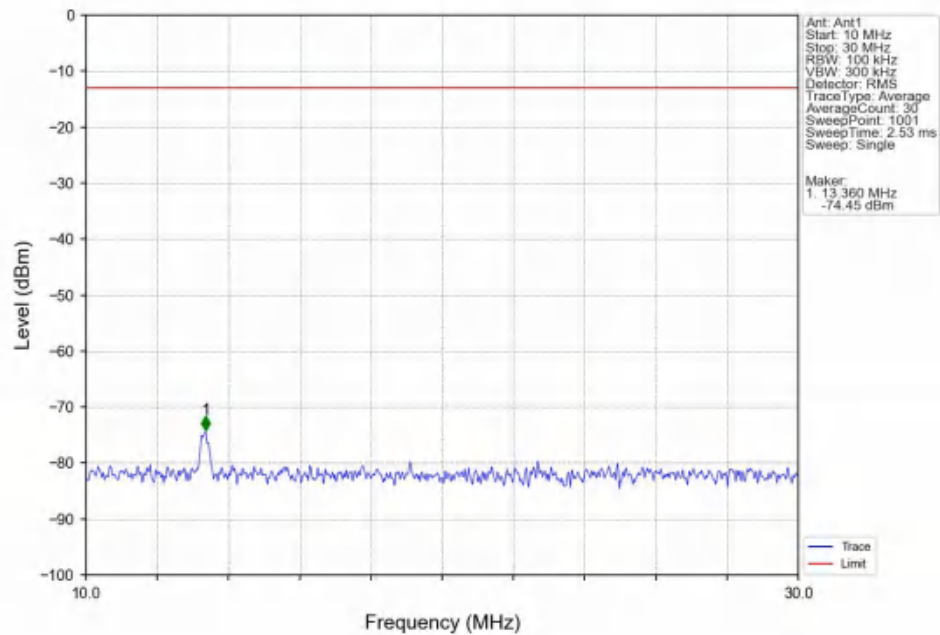


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

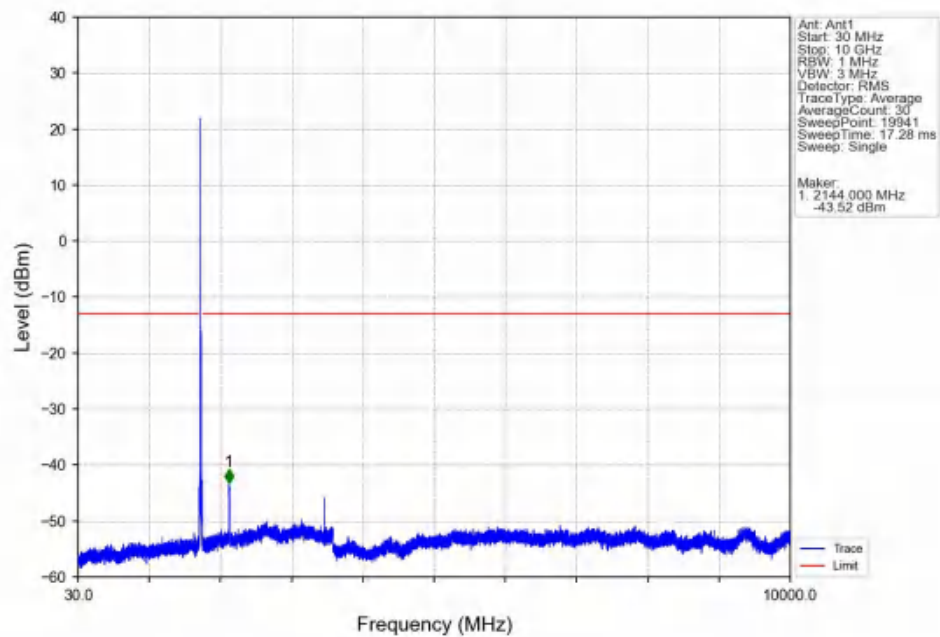




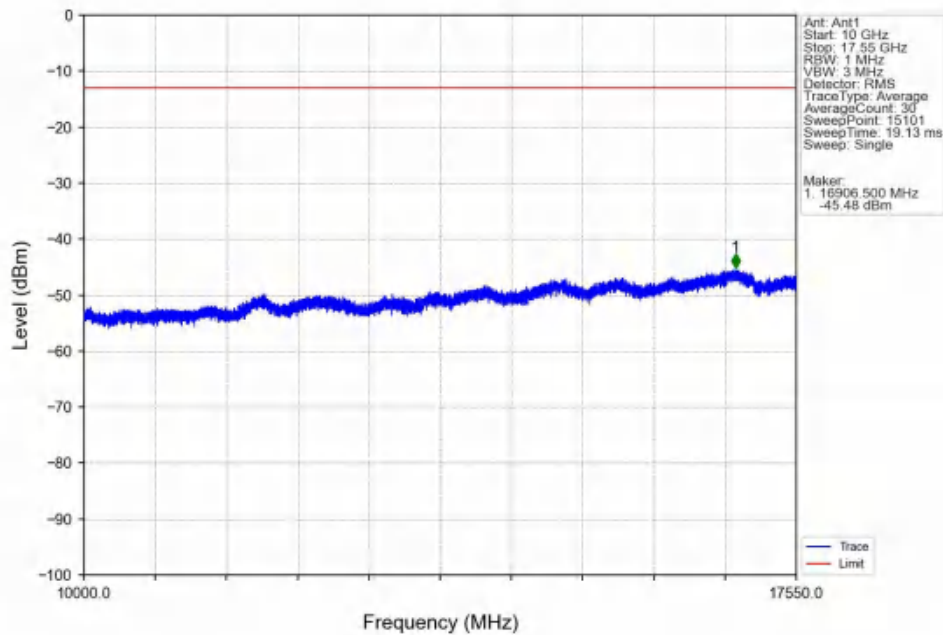
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



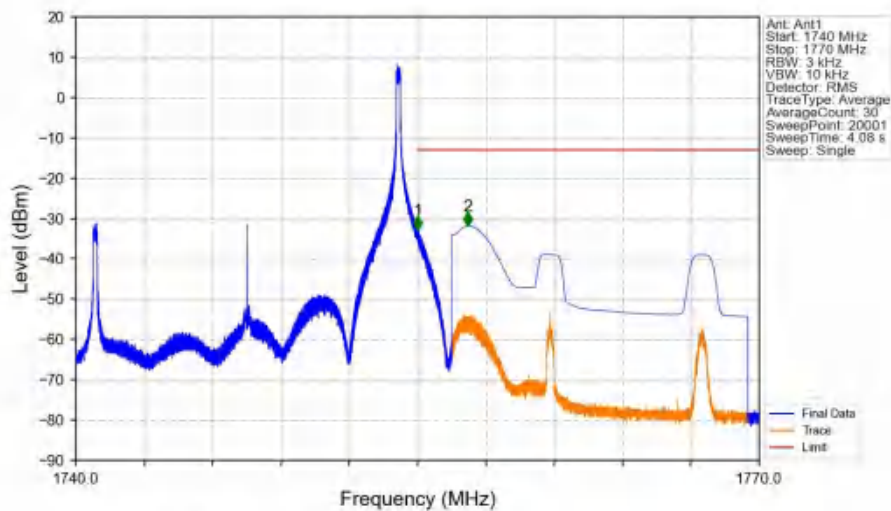
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



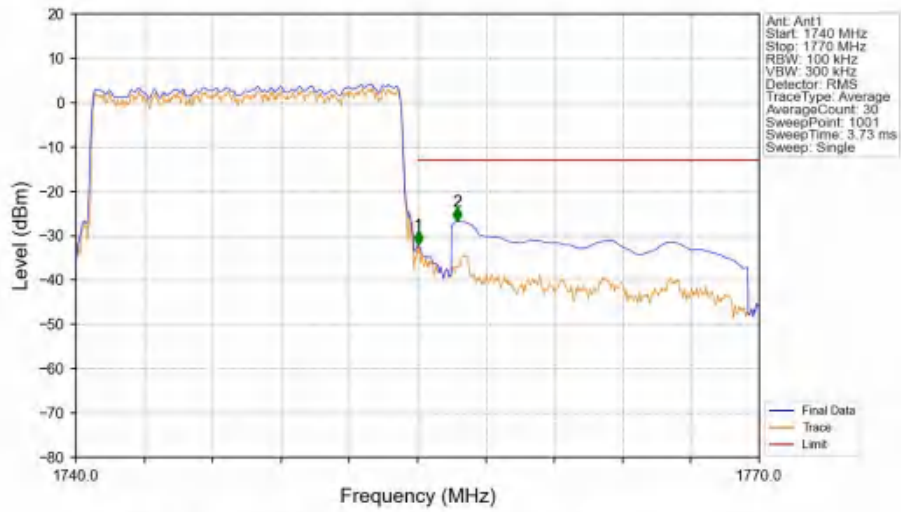
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



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	1755.014	-32.83	-13	Pass
1756	1770	1	CHP	2	1757.207	-31.83	-13	Pass

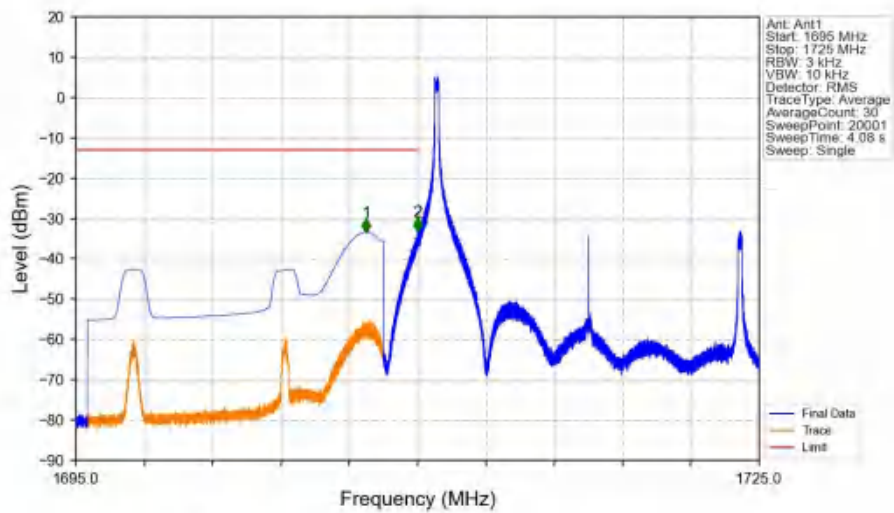


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.154	CHP	/	/	/	/	/
1755	1756	0.154	CHP	1	1755.030	-32.08	-13	Pass
1756	1770	1	CHP	2	1756.740	-26.78	-13	Pass

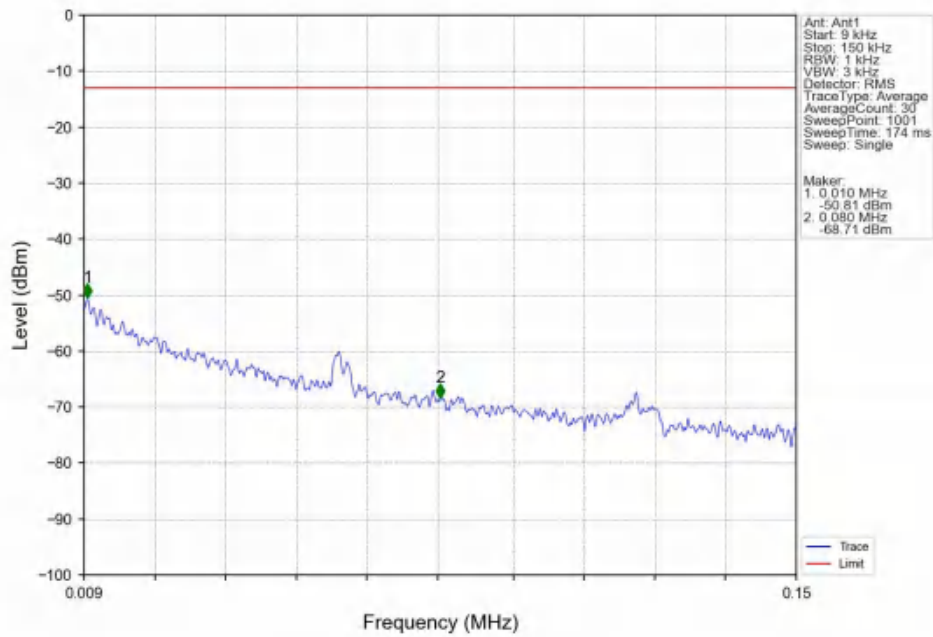
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



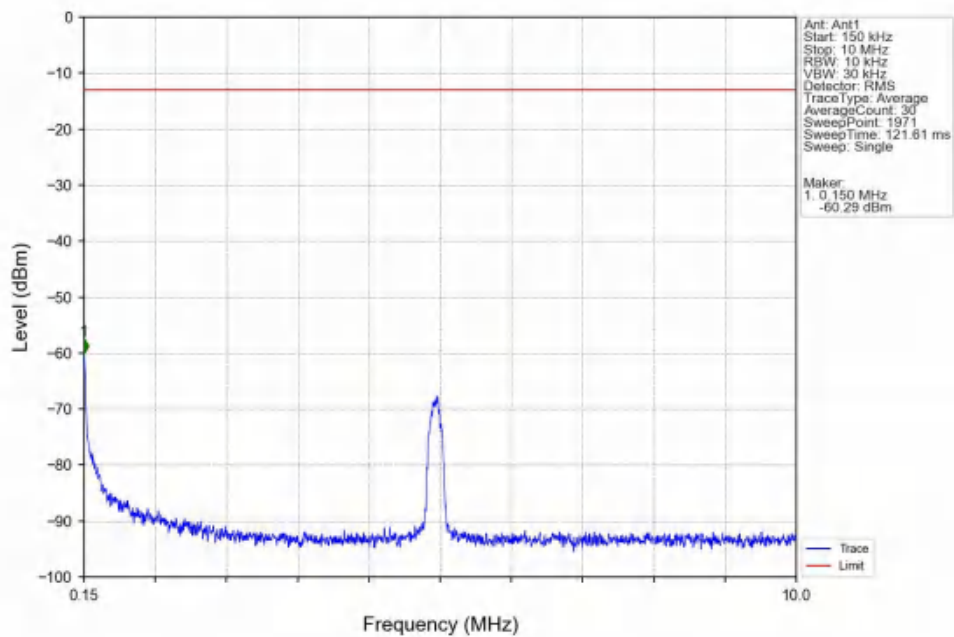
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.735	-33.36	-13	Pass
1709	1710	0.003	/	2	1709.998	-33.19	-13	Pass
1710	1725	0.003	/	/	/	/	/	/



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

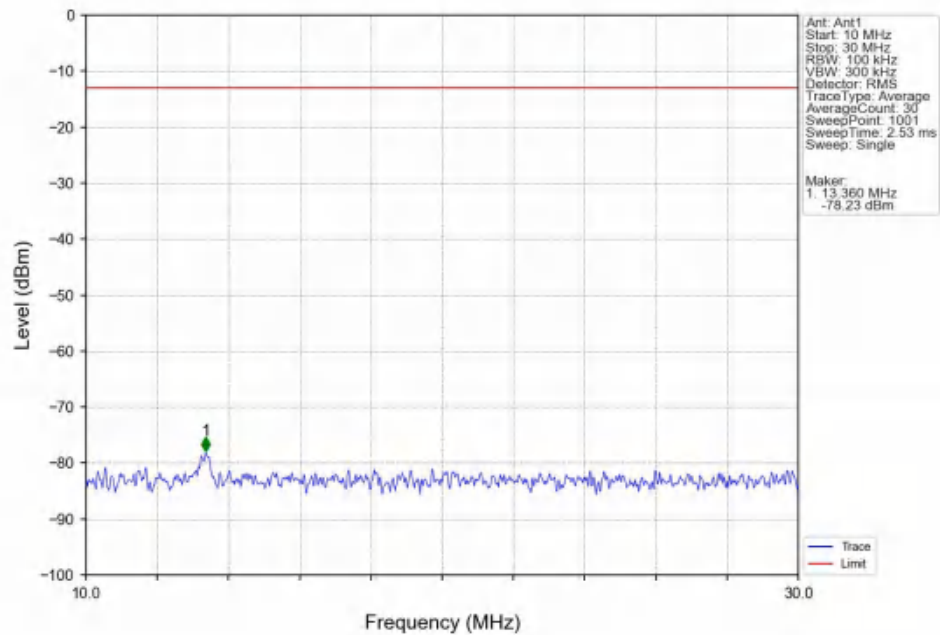


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

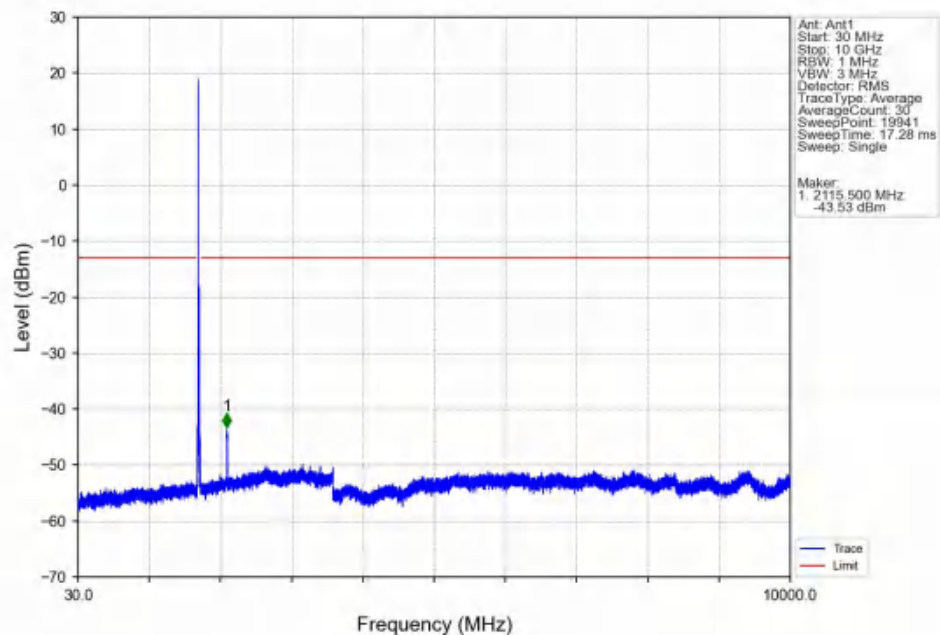




Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

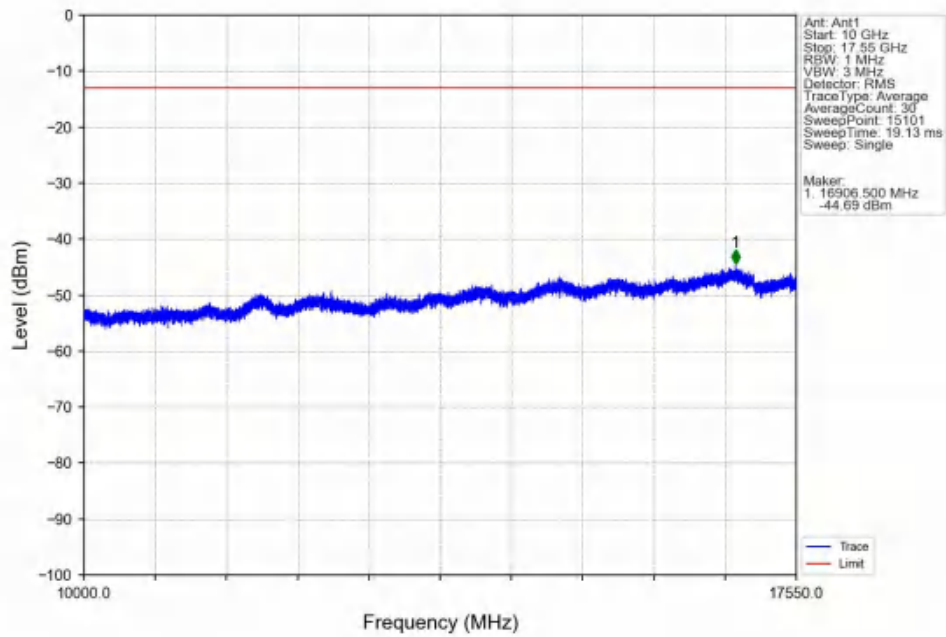


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

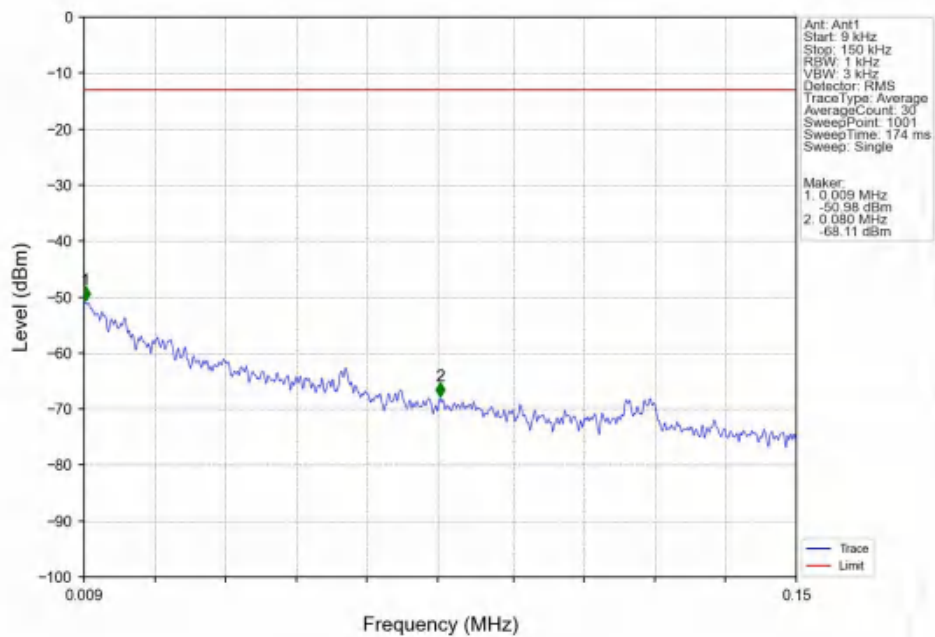




Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

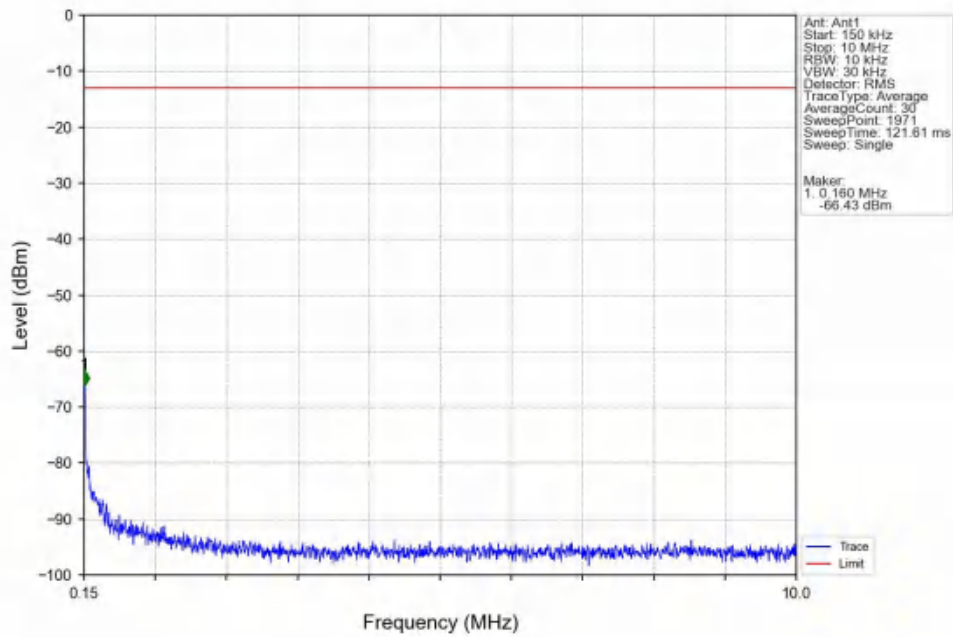


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

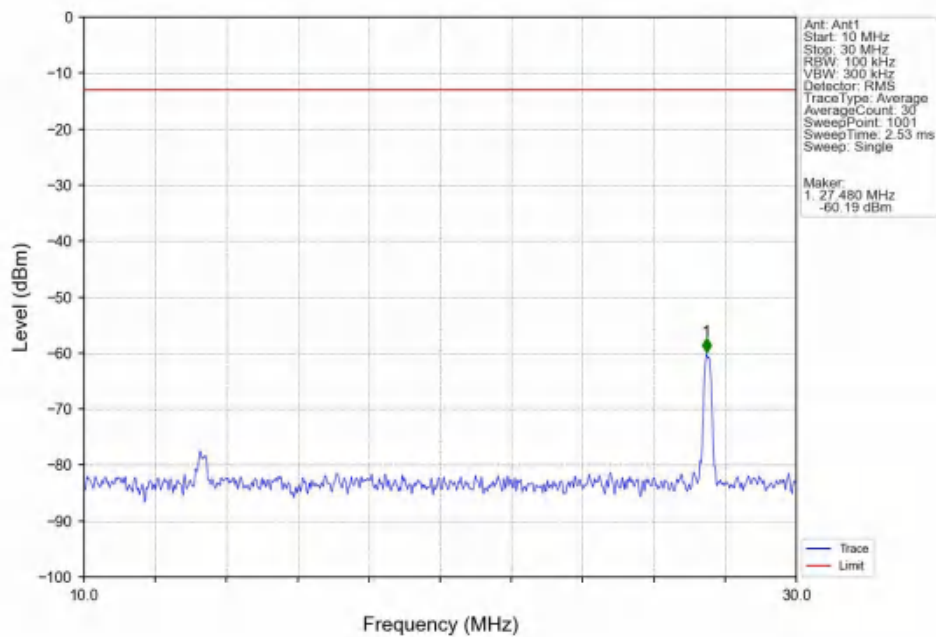




Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

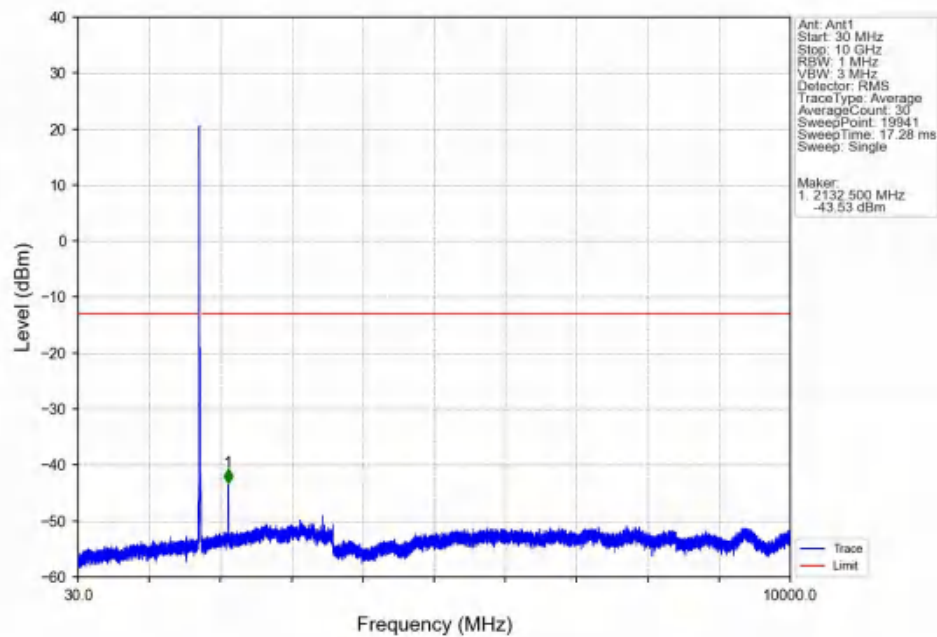


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

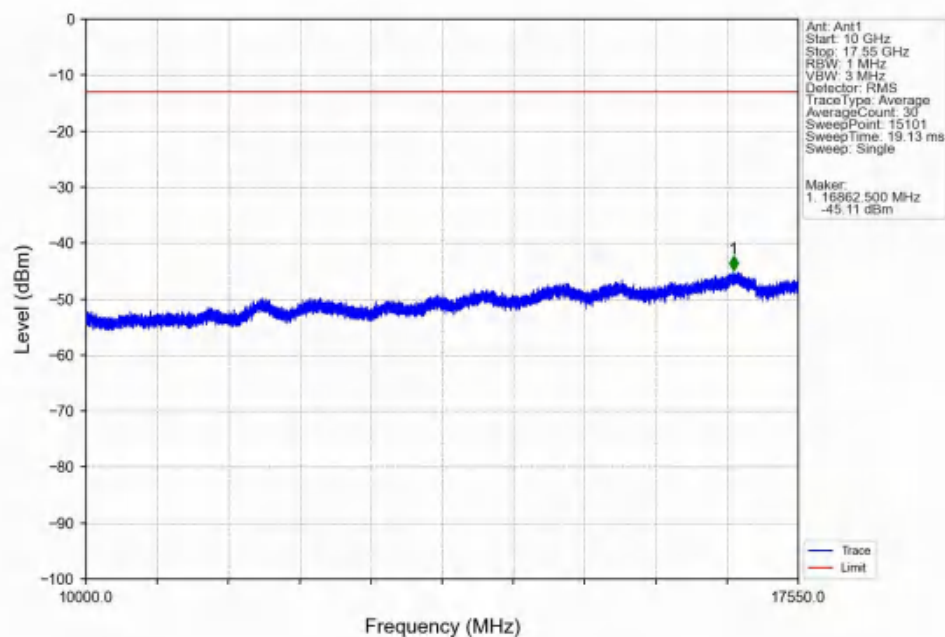




Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

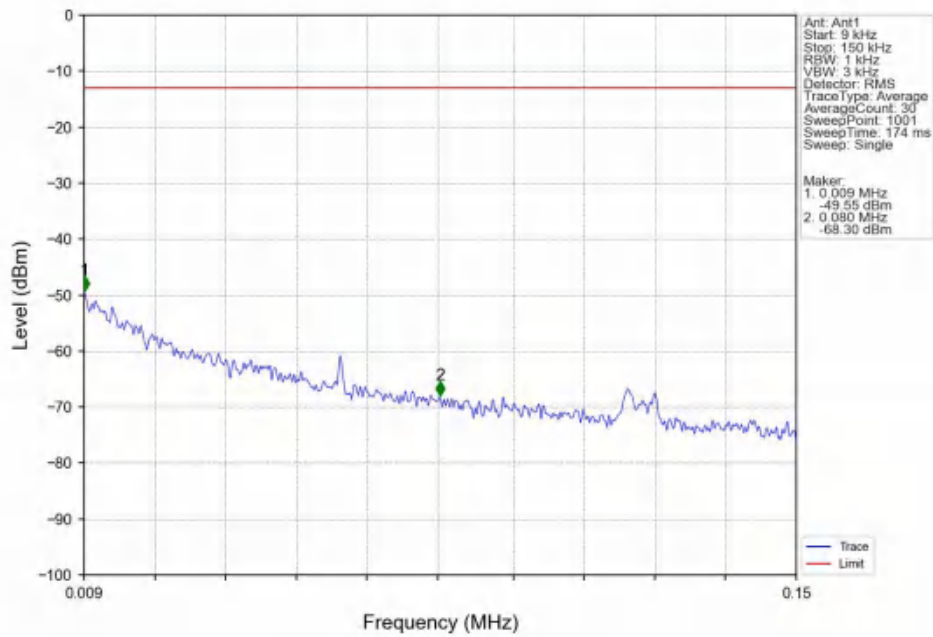


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

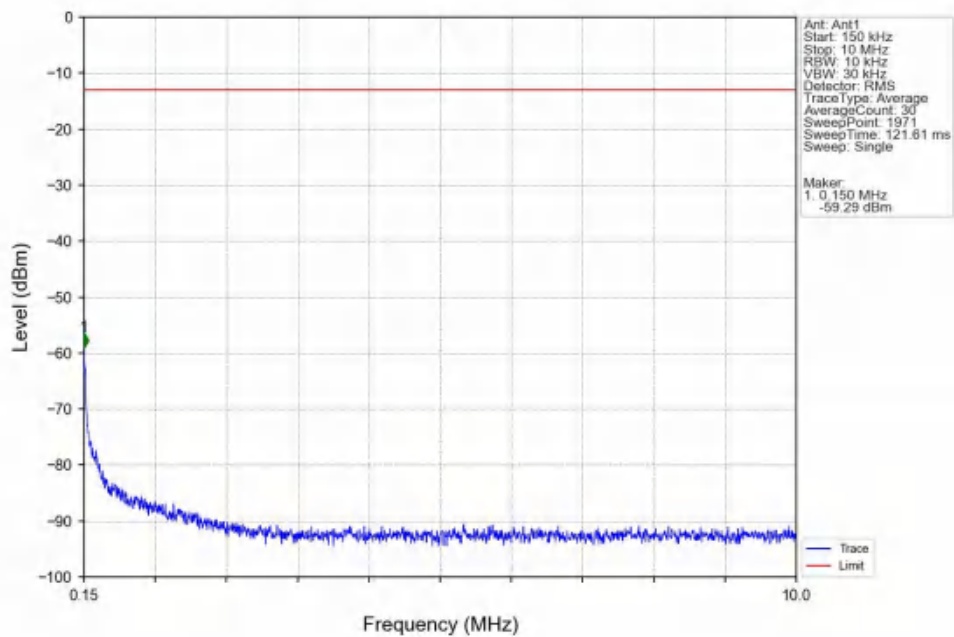




Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

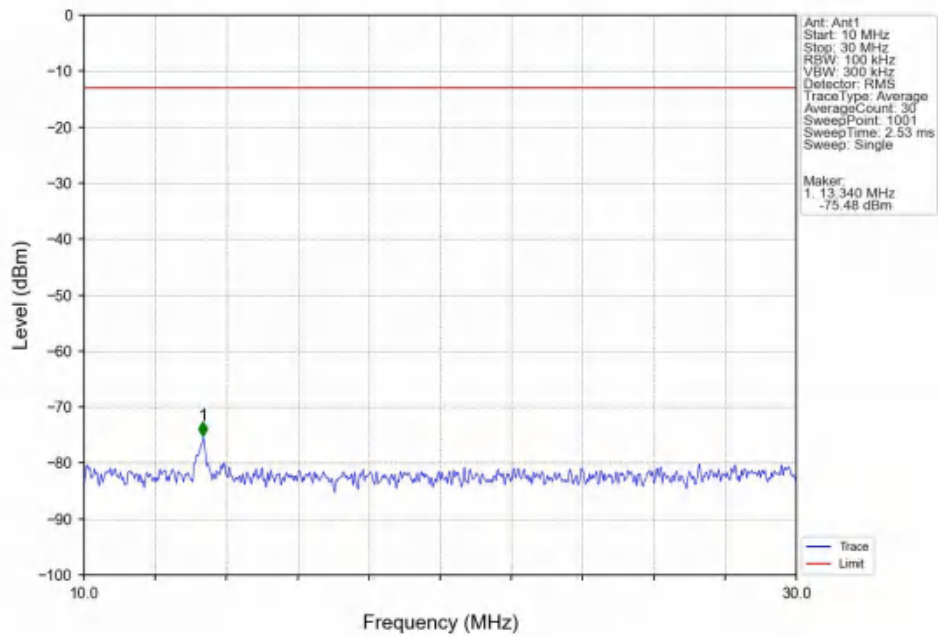


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

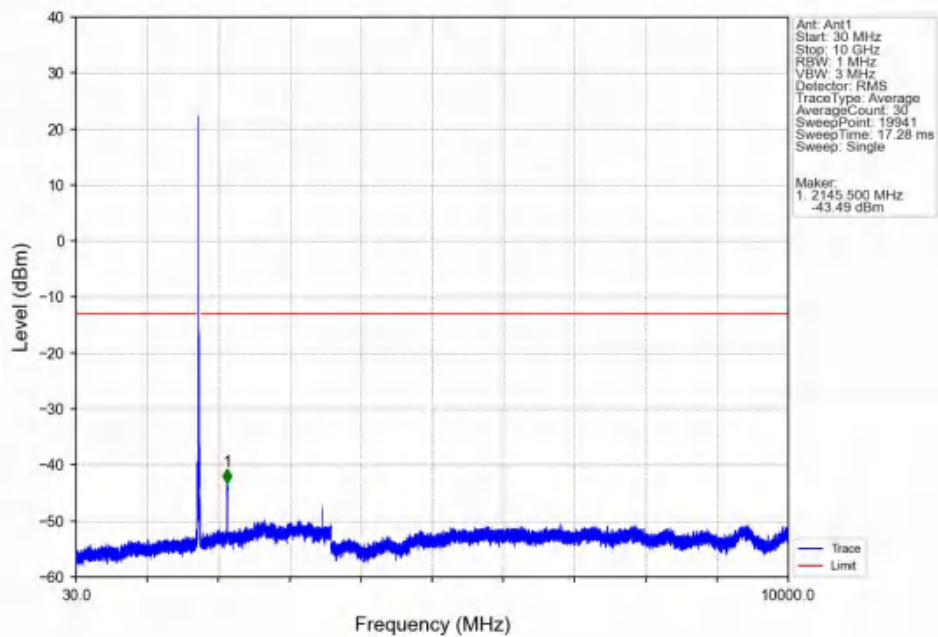




Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

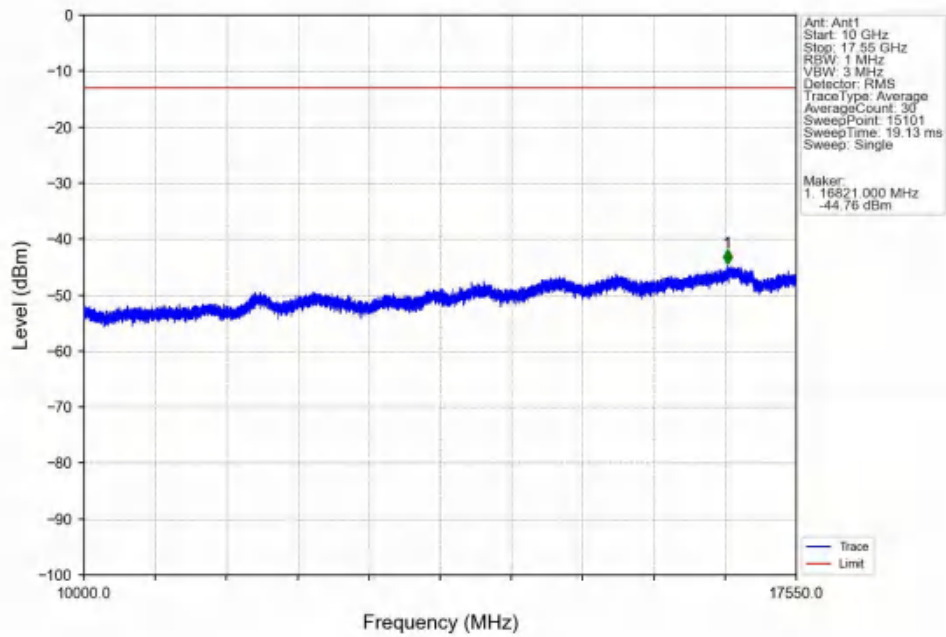


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

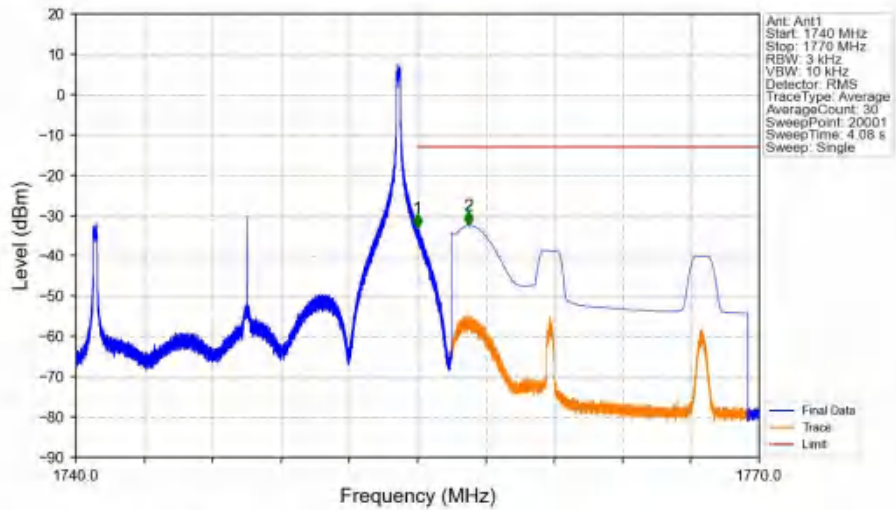




Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



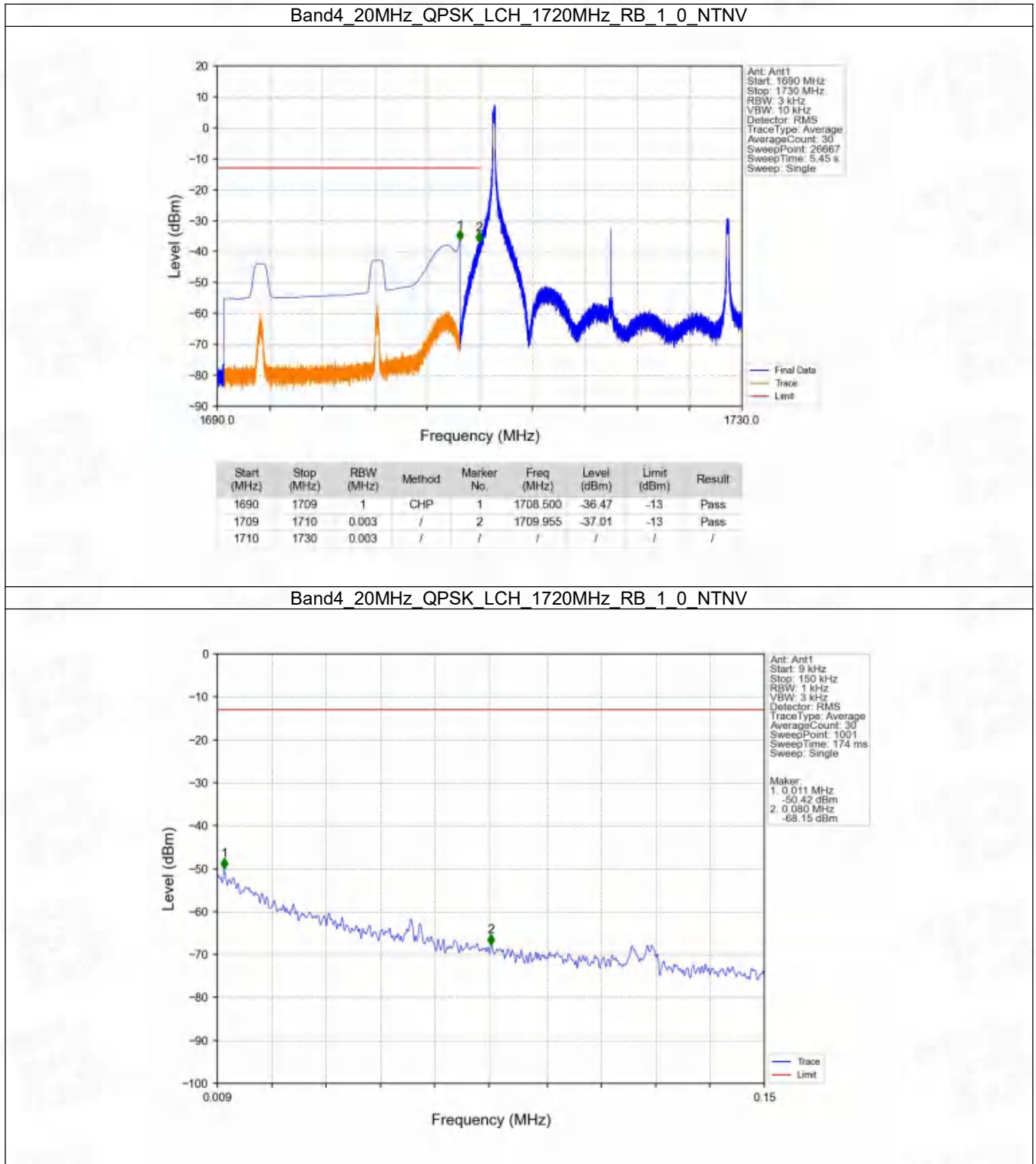
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



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	1755.002	-33.02	-13	Pass
1756	1770	1	CHP	2	1757.235	-32.41	-13	Pass

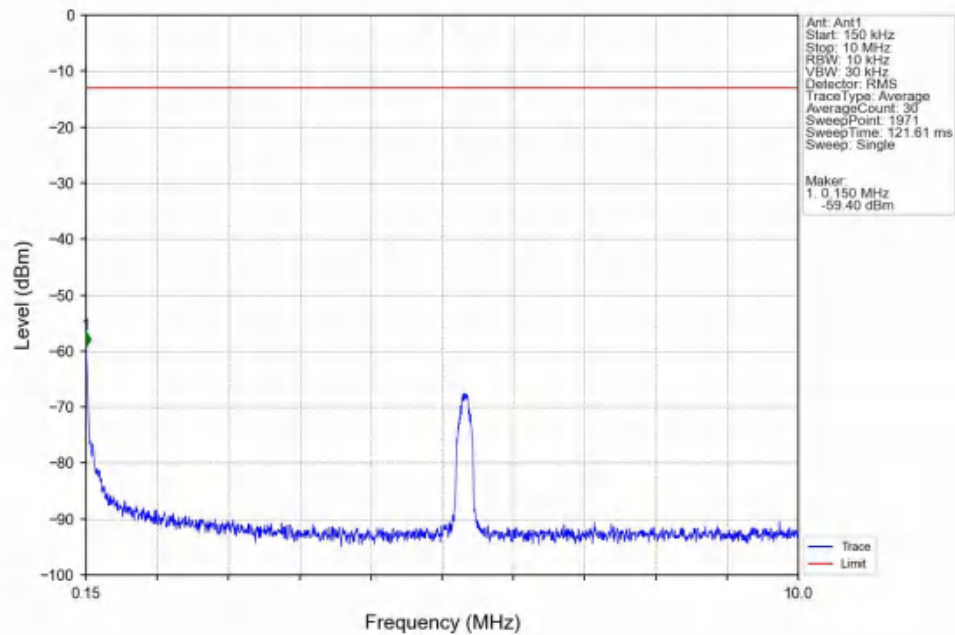


6.2.6 B4_20MHz

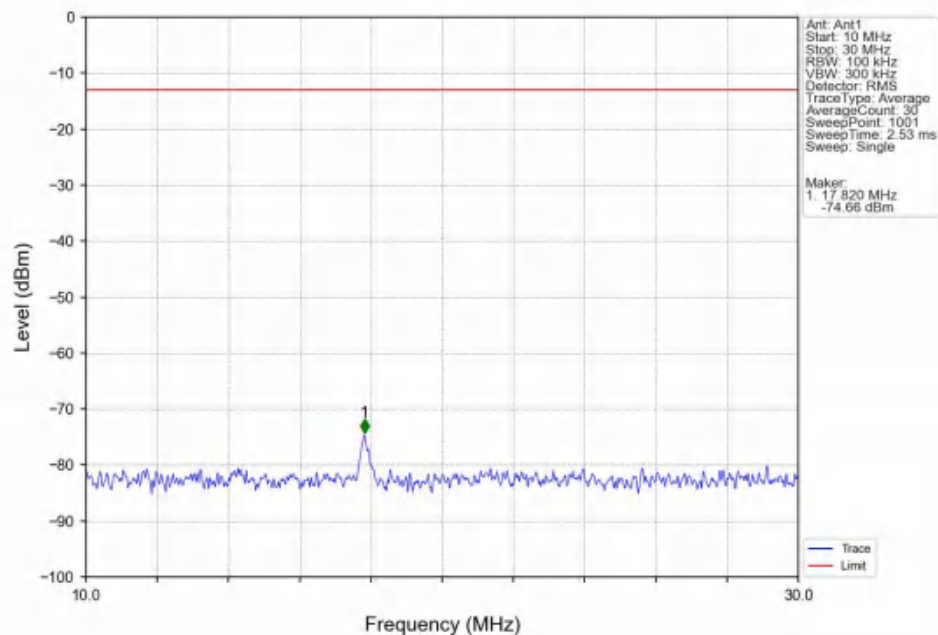




Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

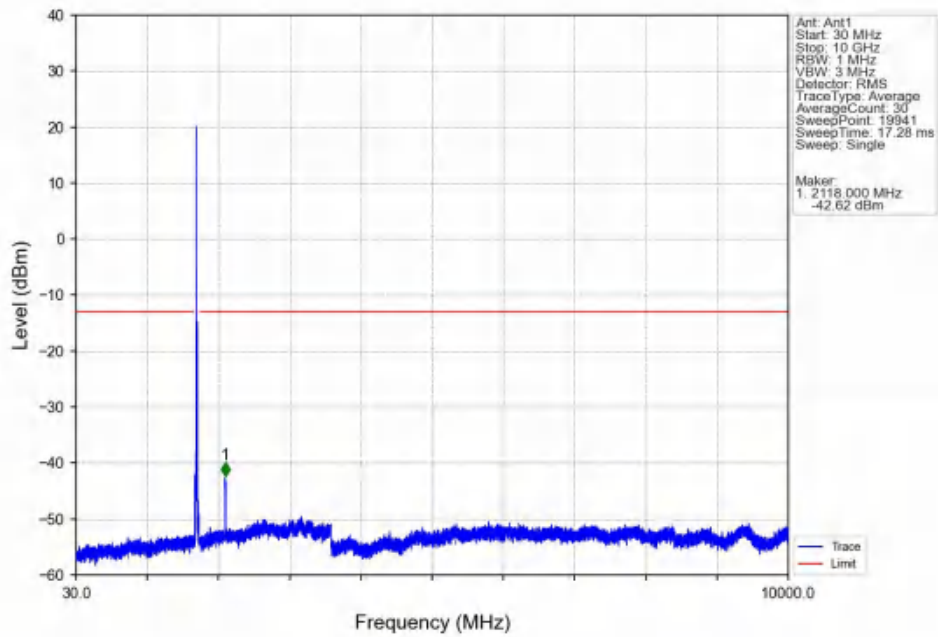


Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

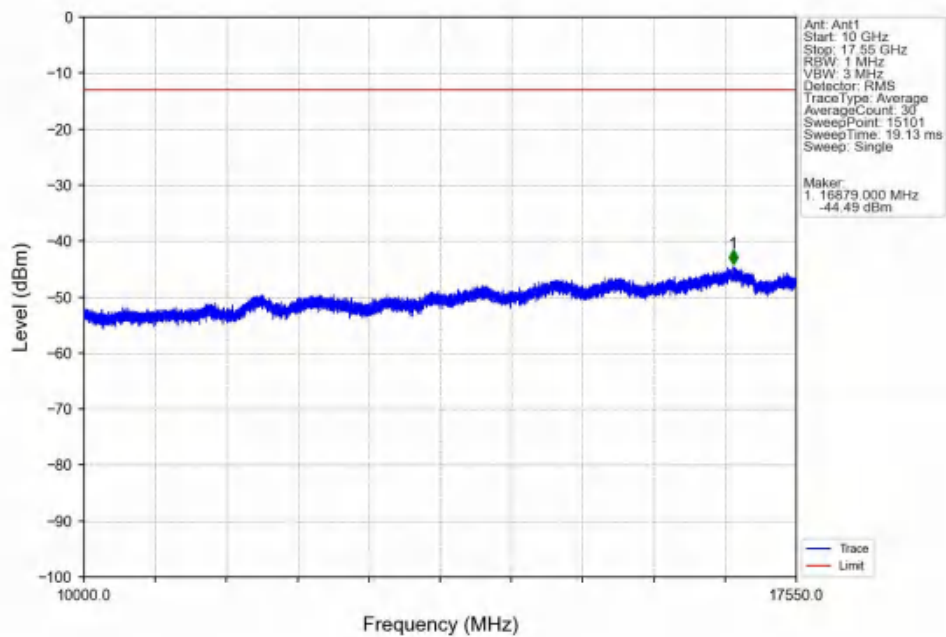




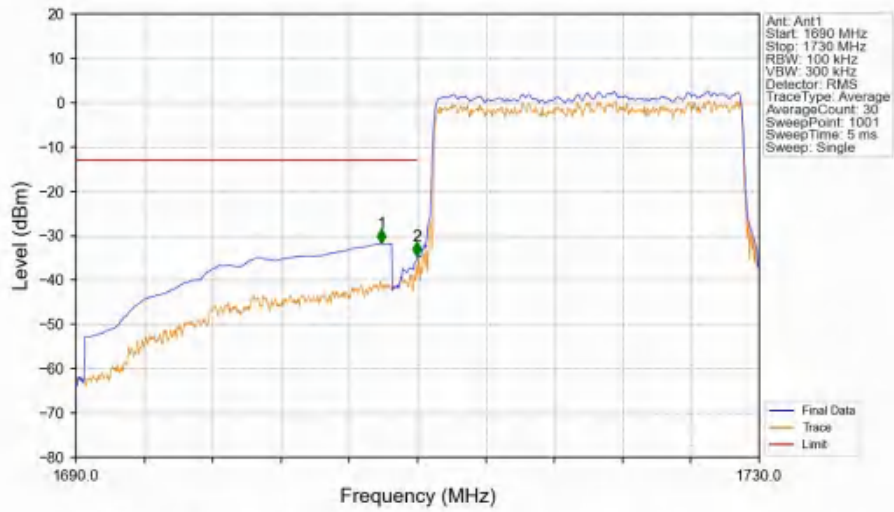
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



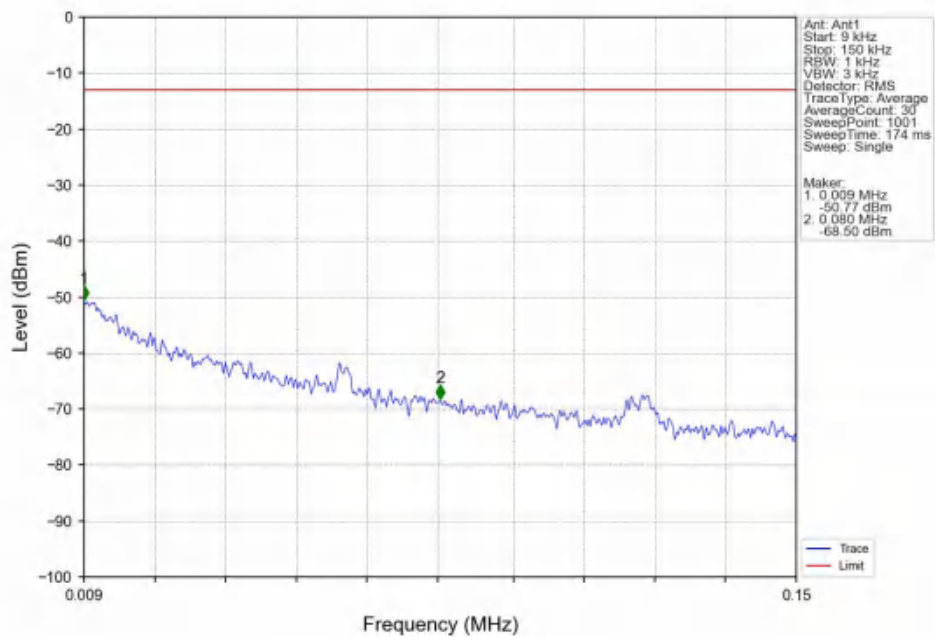
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

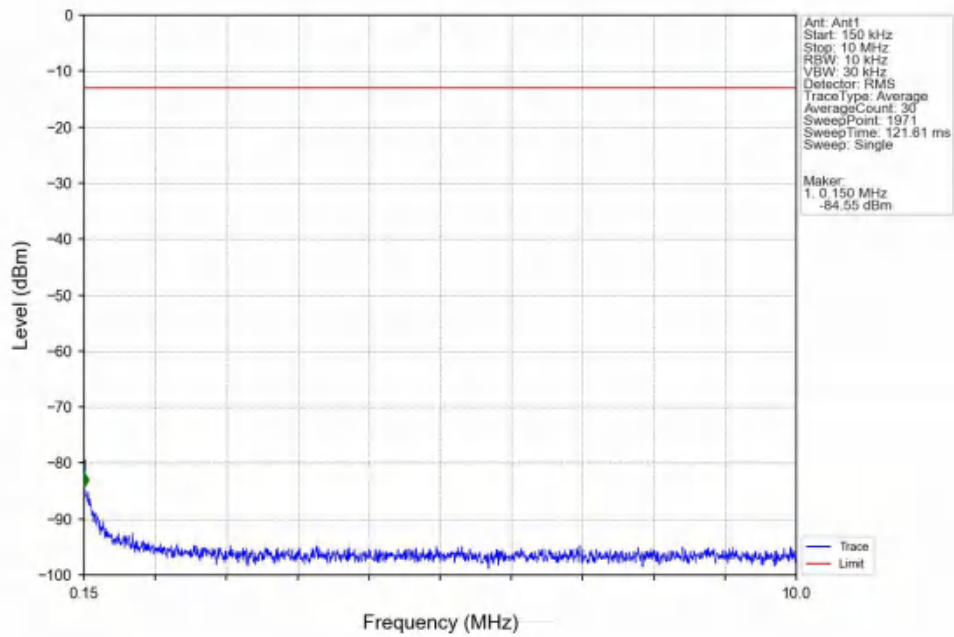


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

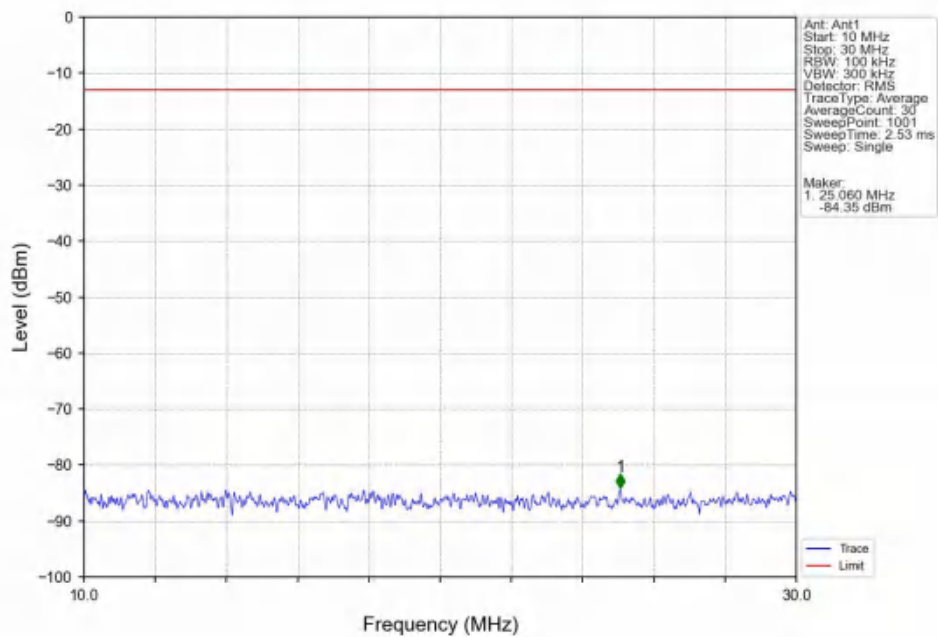




Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

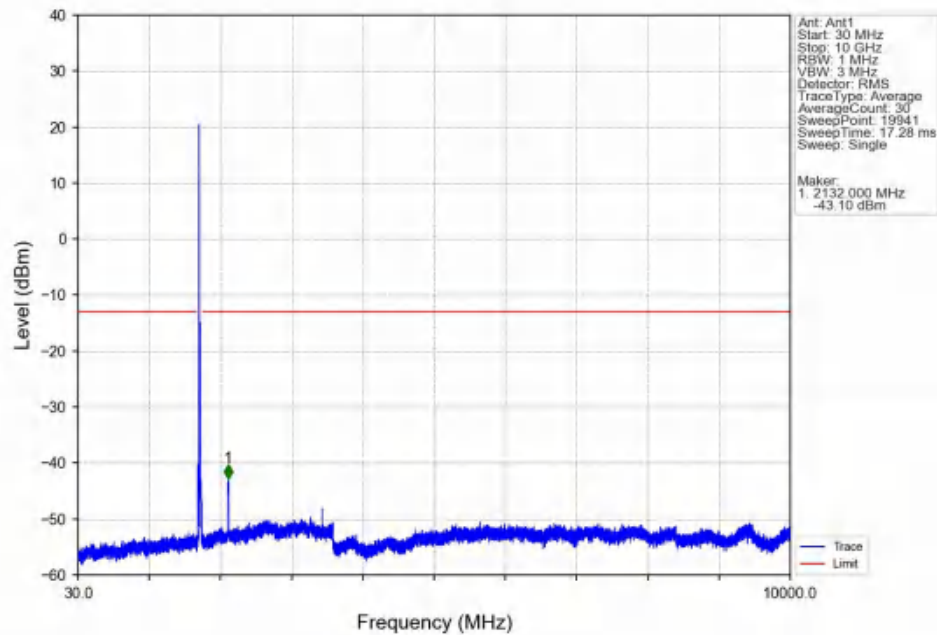


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

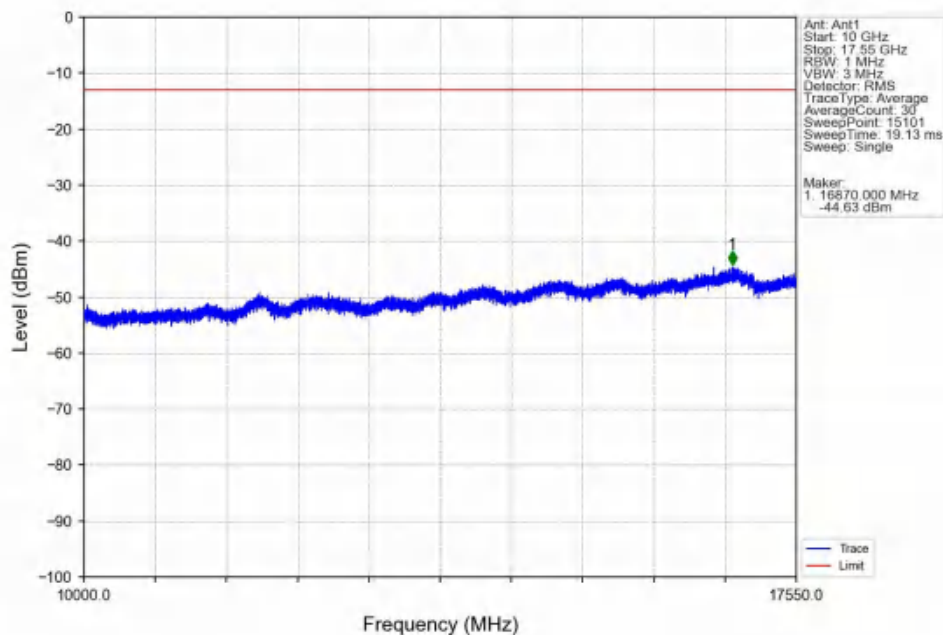




Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

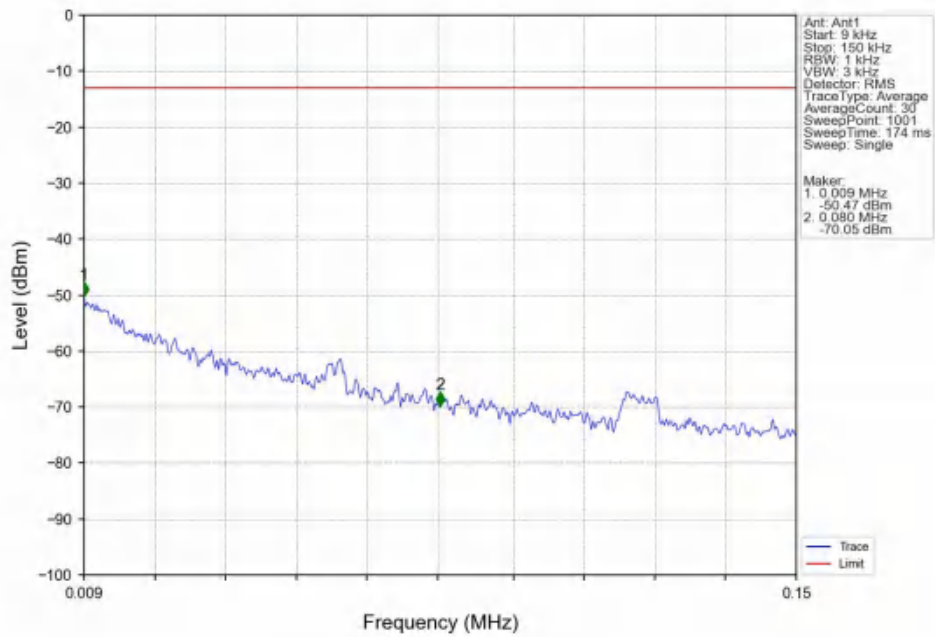


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

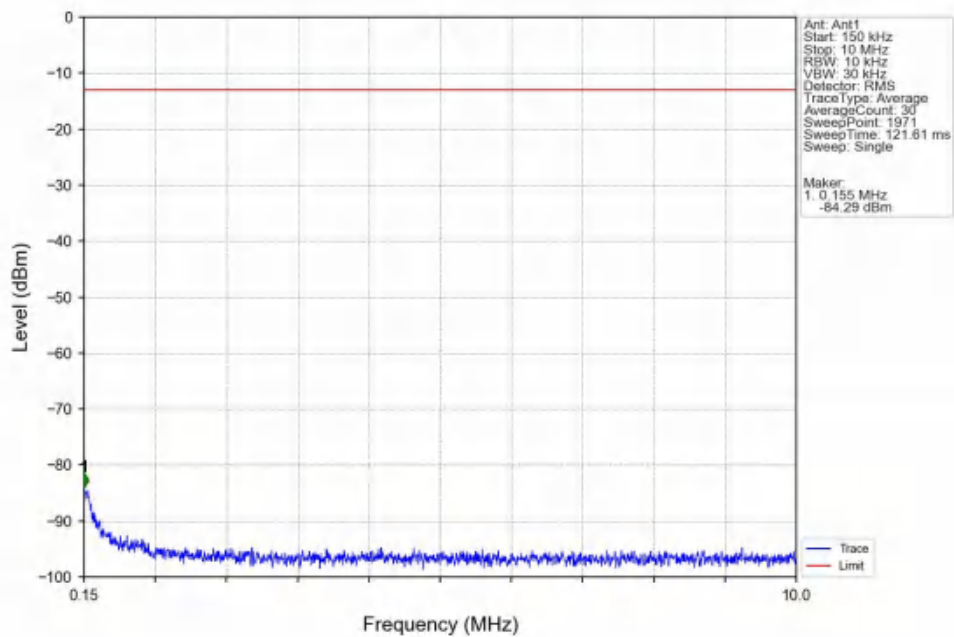




Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

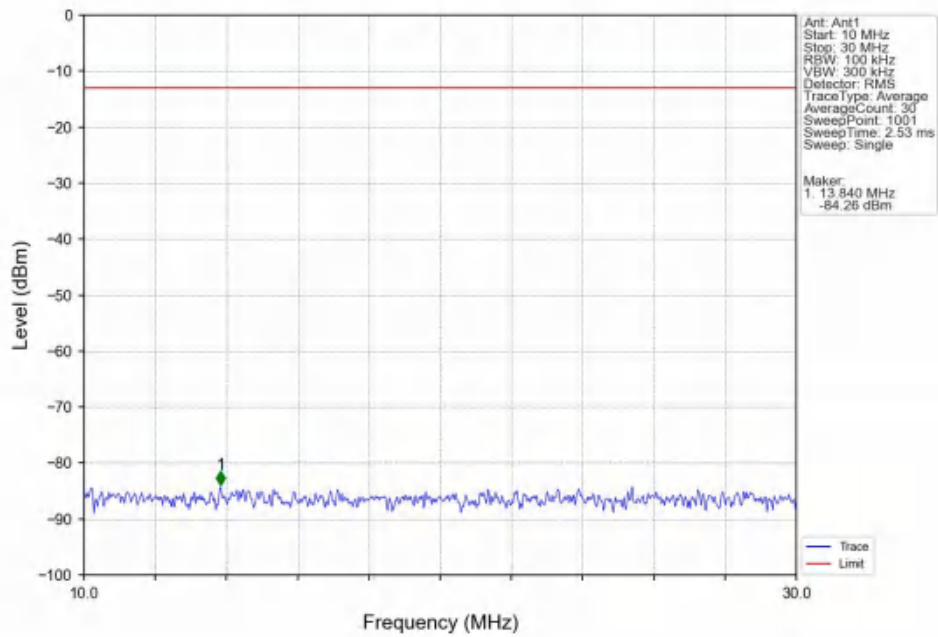


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

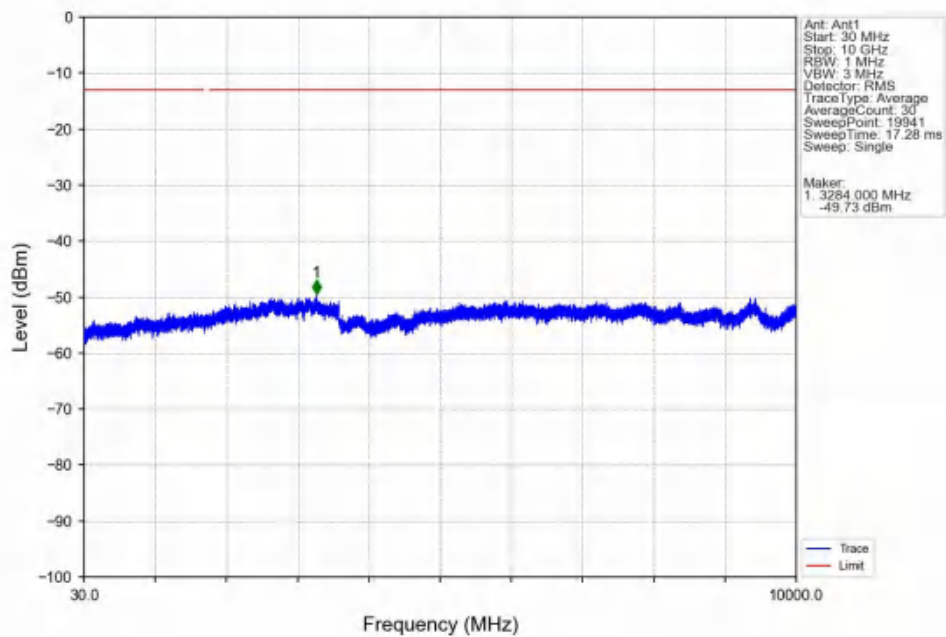




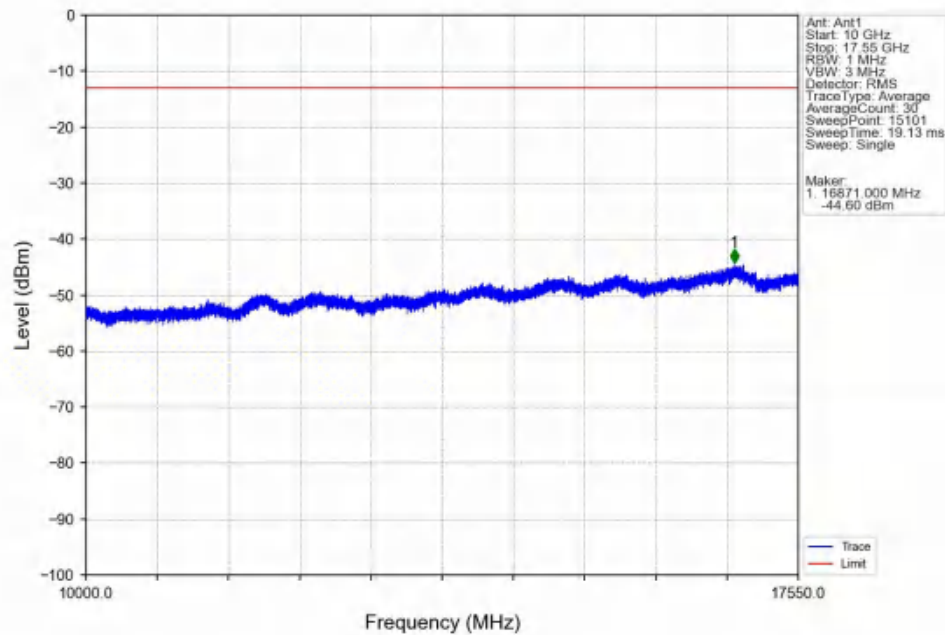
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



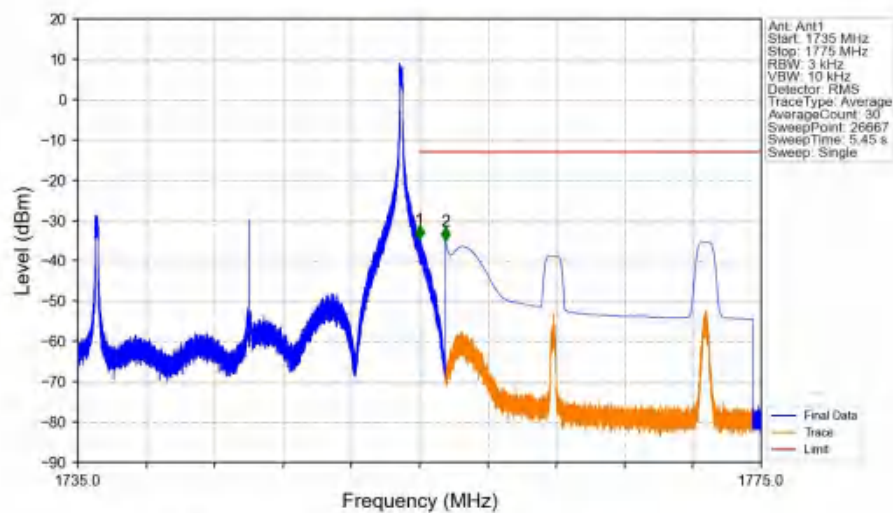
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

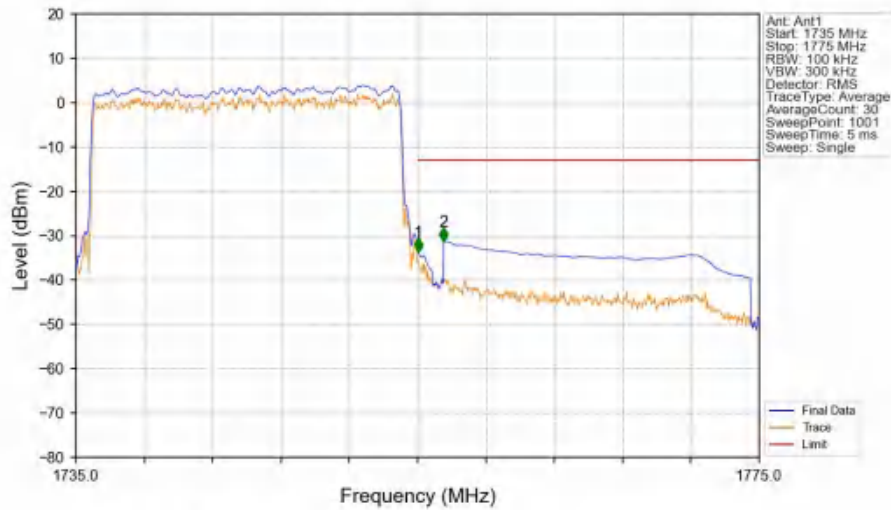


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



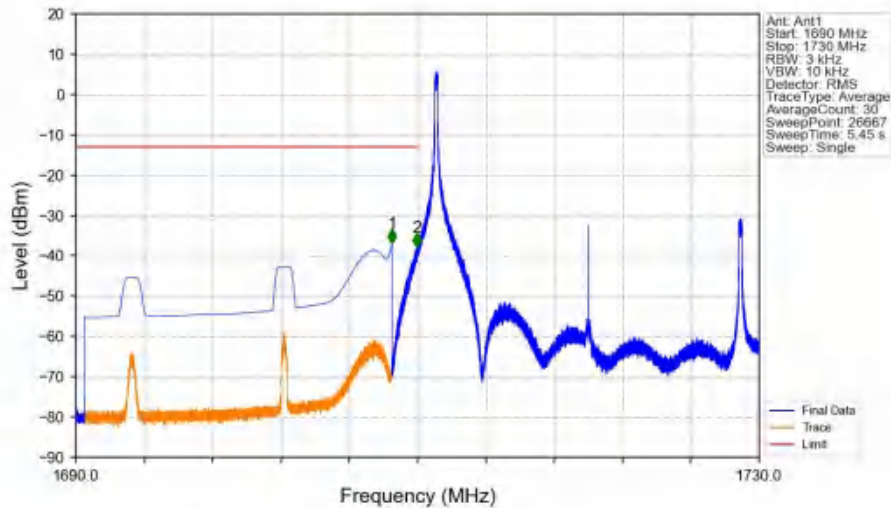
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-34.72	-13	Pass
1756	1775	1	CHP	2	1756.500	-34.97	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.205	CHP	/	/	/	/	/
1755	1756	0.205	CHP	1	1755.040	-33.63	-13	Pass
1756	1775	1	CHP	2	1756.520	-31.29	-13	Pass

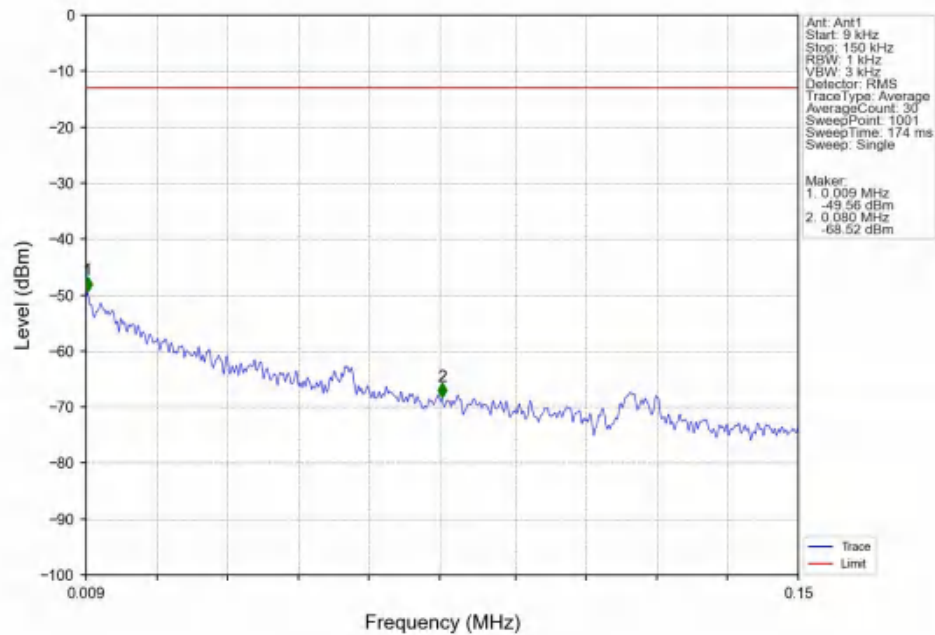
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



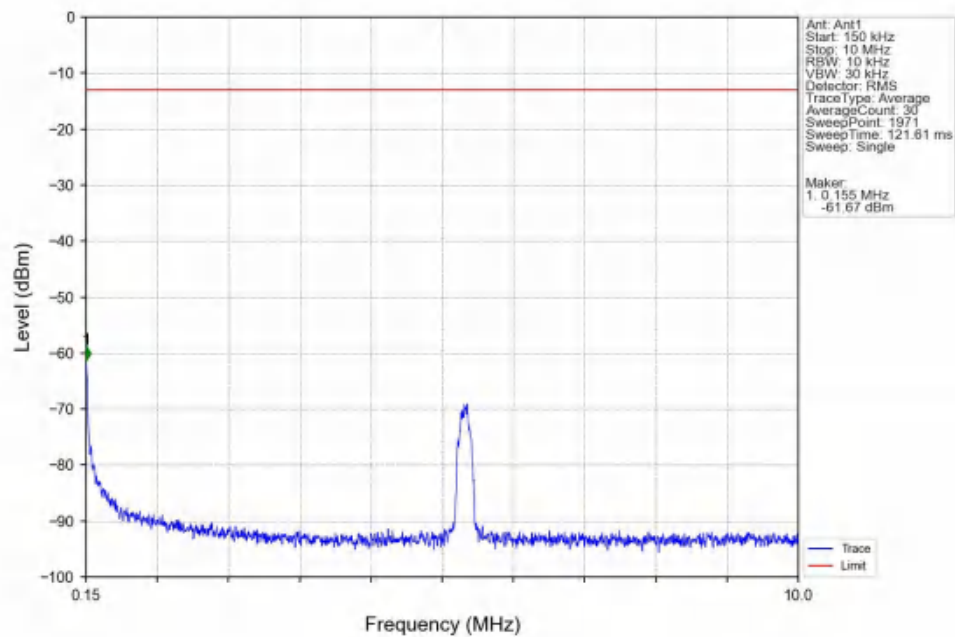
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-36.94	-13	Pass
1709	1710	0.003	/	2	1709.940	-37.87	-13	Pass
1710	1730	0.003	/	/	/	/	/	/



Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

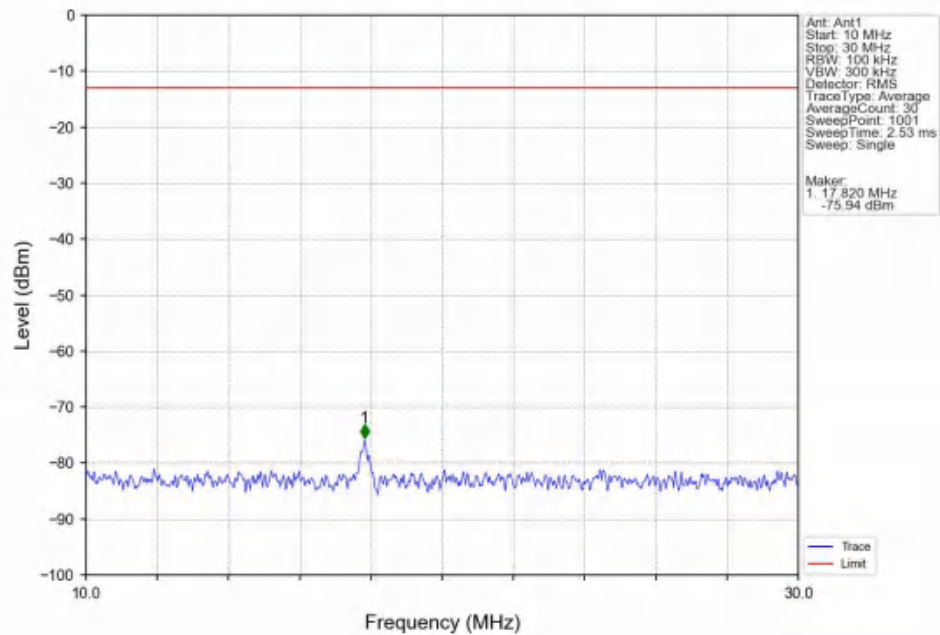


Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

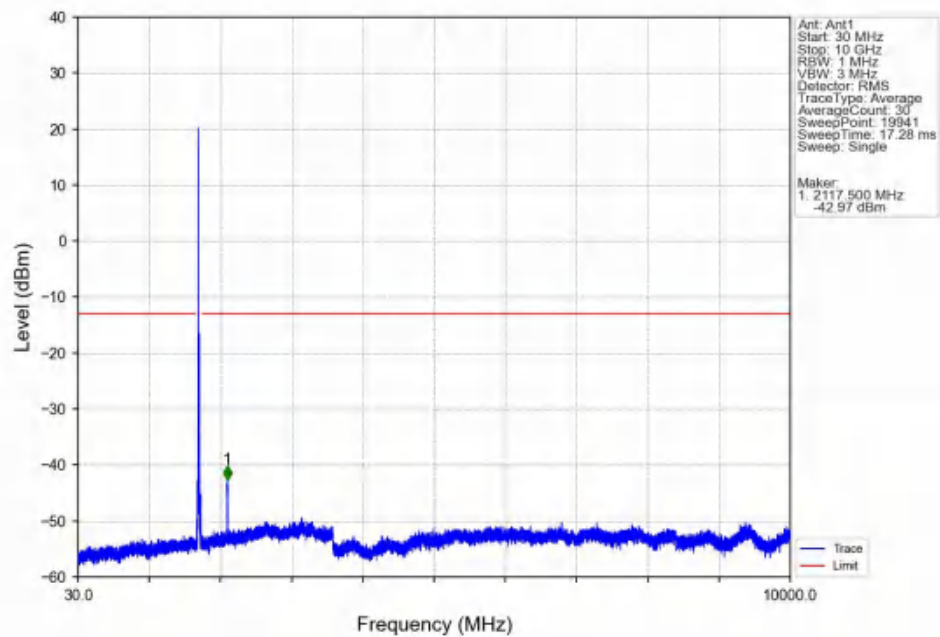




Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

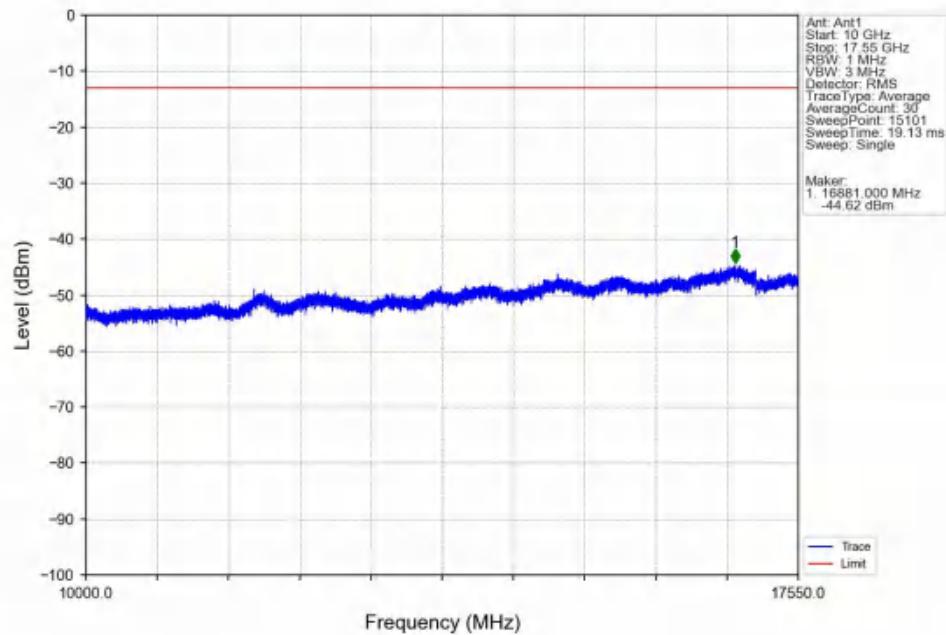


Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

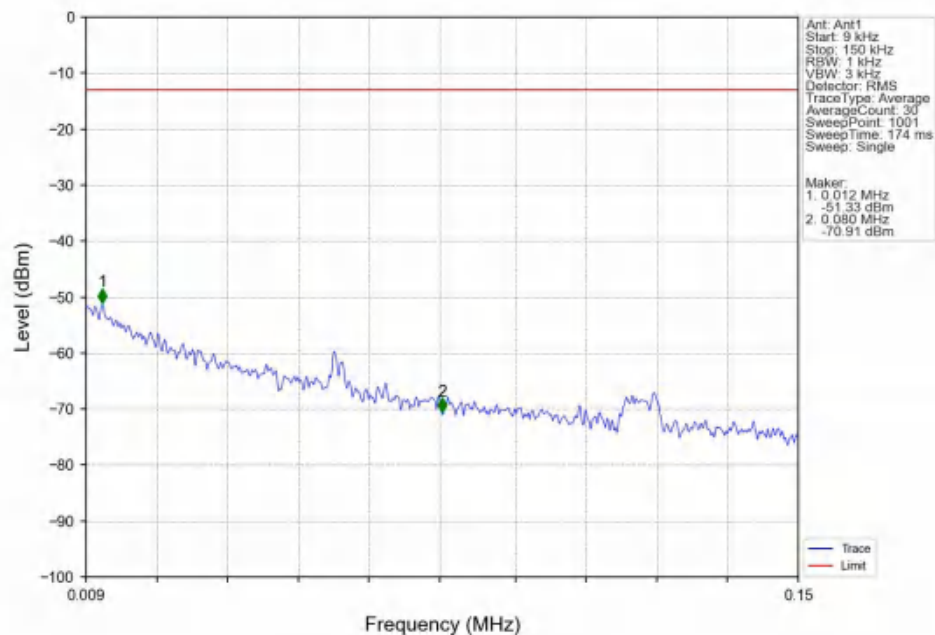




Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

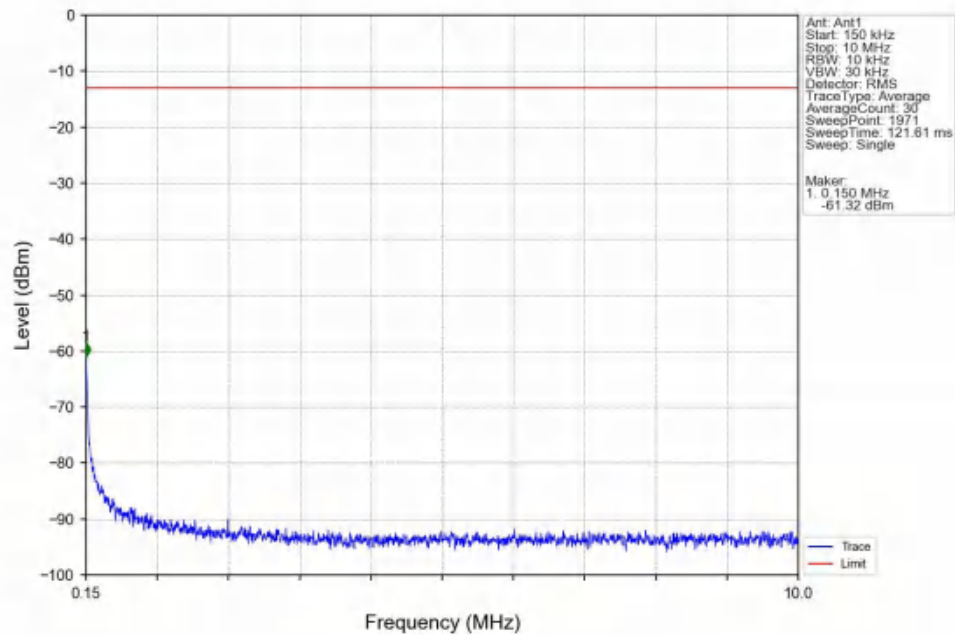


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

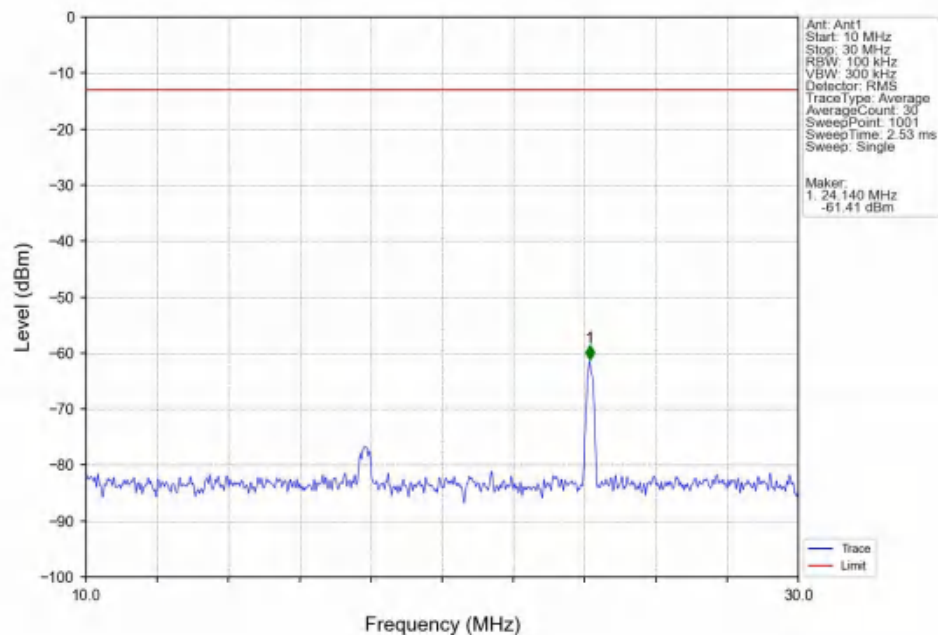




Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

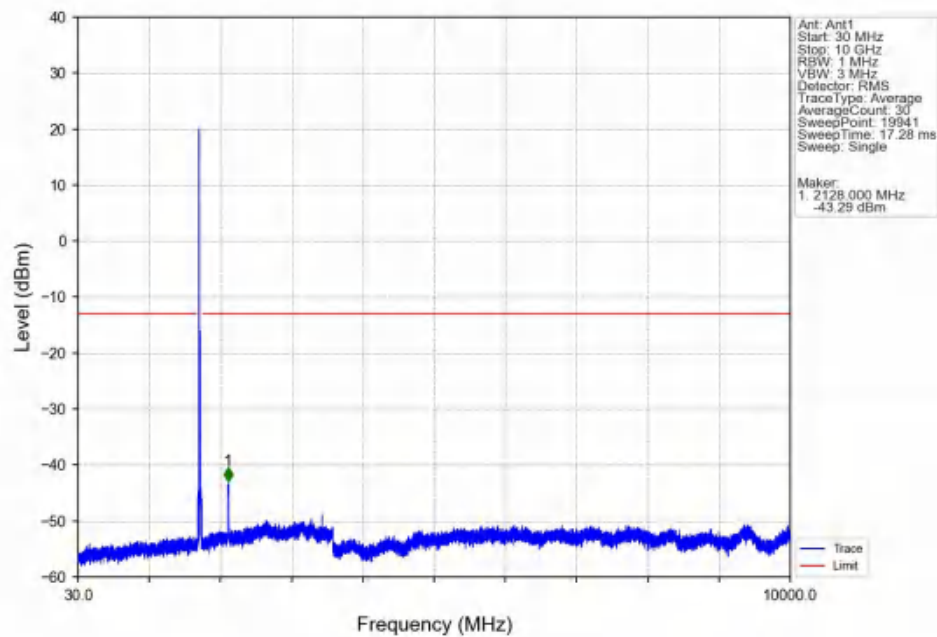


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

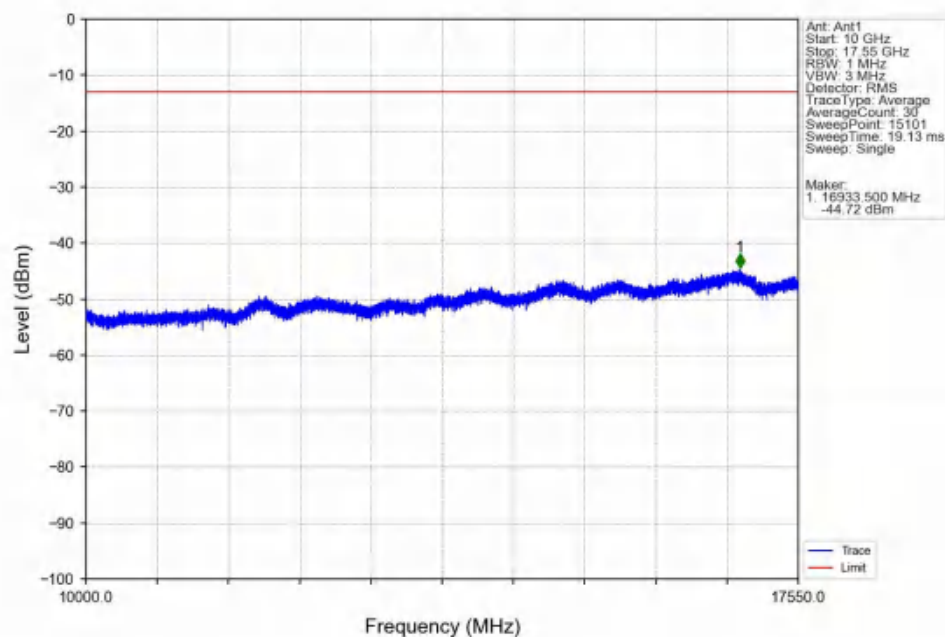




Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

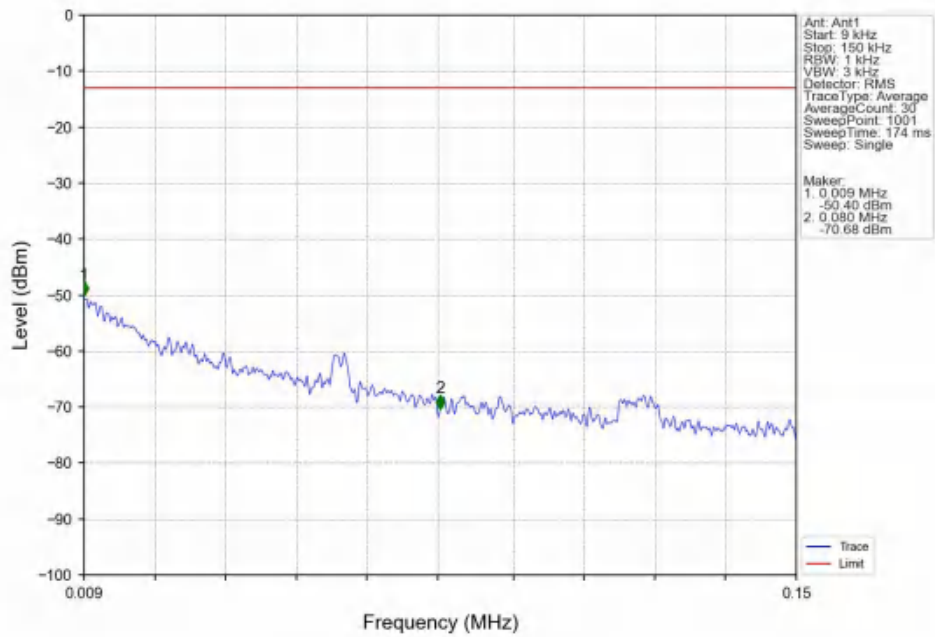


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

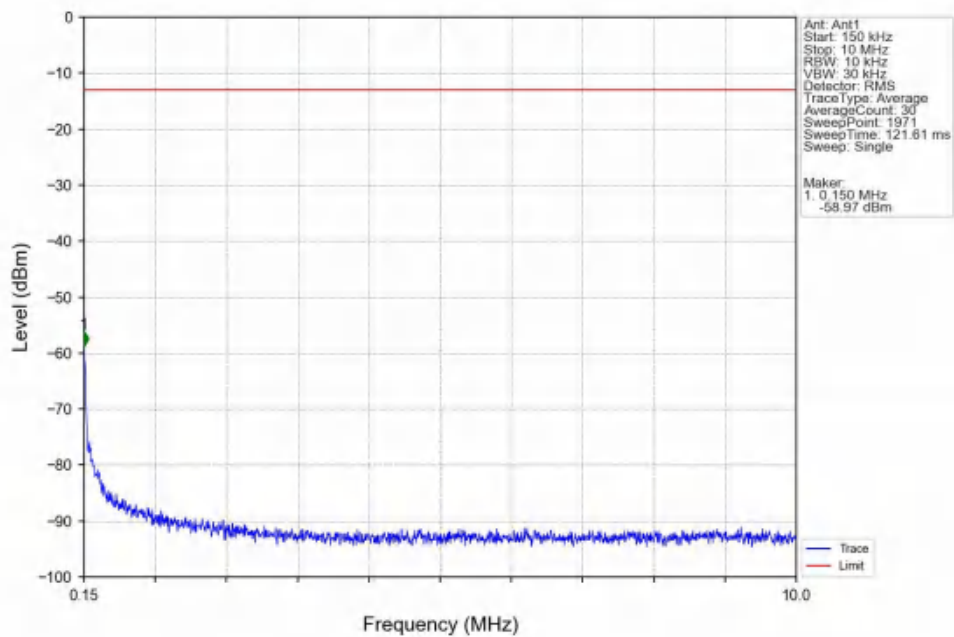




Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV

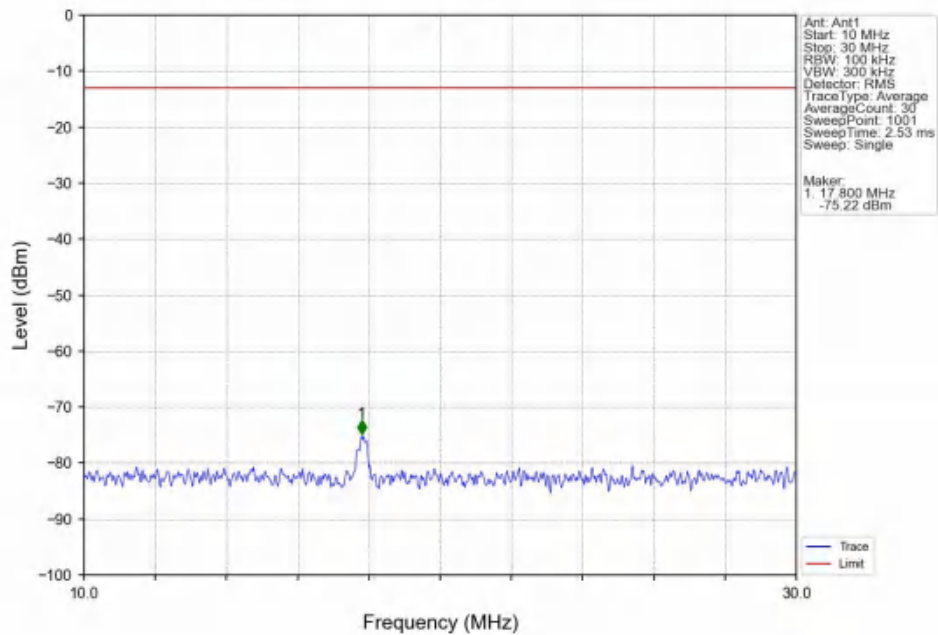


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV

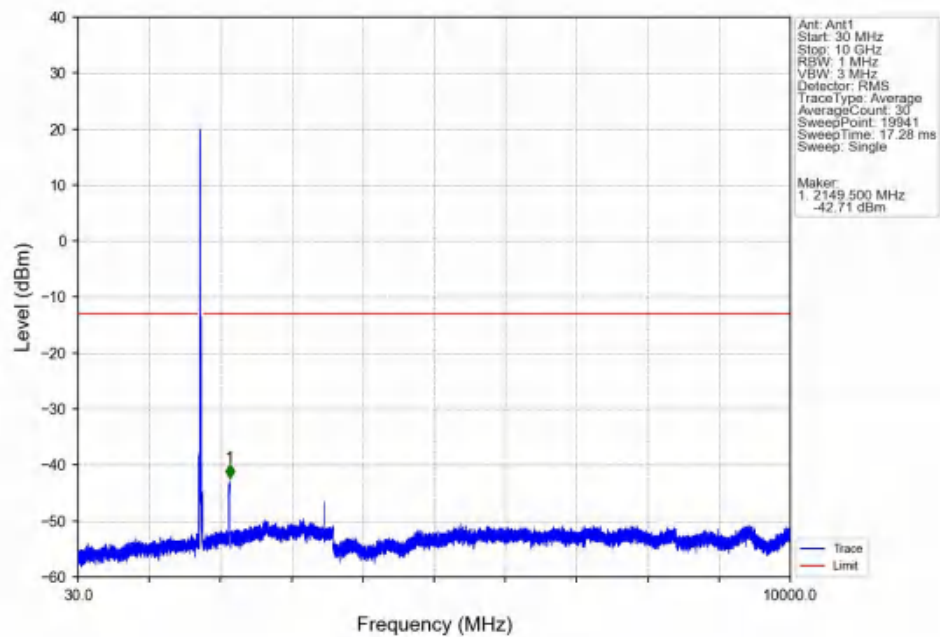




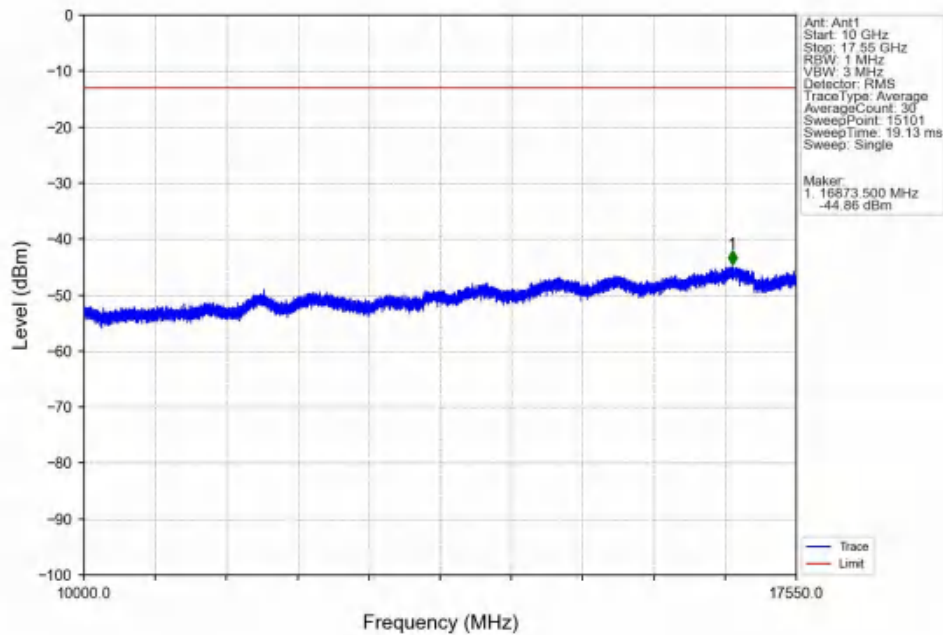
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



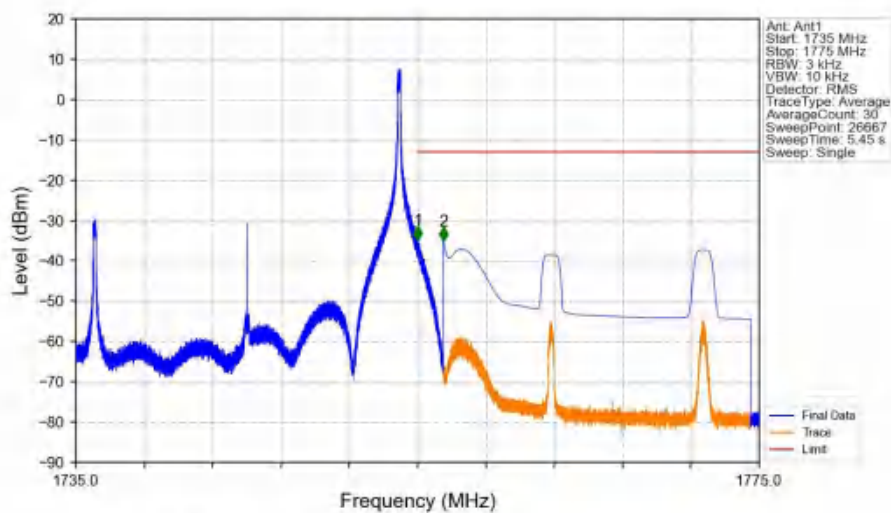
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_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	1755.005	-34.77	-13	Pass
1756	1775	1	CHP	2	1756.500	-35.01	-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)
4	1.4	1710.7	1754.3	0.2089	0.0028	ppm	1M11G7D	27L	23.20
4	1.4	1710.7	1754.3	0.1722	0.0017	ppm	1M11W7D	27L	22.36
4	3	1711.5	1753.5	0.2080	0.0035	ppm	2M75G7D	27L	23.18
4	3	1711.5	1753.5	0.1782	0.0015	ppm	2M75W7D	27L	22.51
4	5	1712.5	1752.5	0.2099	0.0044	ppm	4M56G7D	27L	23.22
4	5	1712.5	1752.5	0.1782	0.0013	ppm	4M56W7D	27L	22.51
4	10	1715	1750	0.2270	0.0032	ppm	9M09G7D	27L	23.56
4	10	1715	1750	0.1950	0.0010	ppm	5M11W7D	27L	22.90
4	15	1717.5	1747.5	0.2280	0.0039	ppm	13M7G7D	27L	23.58
4	15	1717.5	1747.5	0.1845	0.0033	ppm	6M39W7D	27L	22.66
4	20	1720	1745	0.2213	0.0035	ppm	18M1G7D	27L	23.45
4	20	1720	1745	0.1841	0.0032	ppm	18M2W7D	27L	22.65

7.1.2 Form731_EIRP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.2985	0.0028	ppm	1M11G7D	27L	24.75
4	1.4	1710.7	1754.3	0.2460	0.0017	ppm	1M11W7D	27L	23.91
4	3	1711.5	1753.5	0.2972	0.0035	ppm	2M75G7D	27L	24.73
4	3	1711.5	1753.5	0.2547	0.0015	ppm	2M75W7D	27L	24.06
4	5	1712.5	1752.5	0.2999	0.0044	ppm	4M56G7D	27L	24.77
4	5	1712.5	1752.5	0.2547	0.0013	ppm	4M56W7D	27L	24.06
4	10	1715	1750	0.3243	0.0032	ppm	9M09G7D	27L	25.11
4	10	1715	1750	0.2786	0.0010	ppm	5M11W7D	27L	24.45
4	15	1717.5	1747.5	0.3258	0.0039	ppm	13M7G7D	27L	25.13
4	15	1717.5	1747.5	0.2636	0.0033	ppm	6M39W7D	27L	24.21
4	20	1720	1745	0.3162	0.0035	ppm	18M1G7D	27L	25.00
4	20	1720	1745	0.2630	0.0032	ppm	18M2W7D	27L	24.20