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	22.88	2.00	24.88	<=30	Pass
			2	22.87	2.00	24.87	<=30	Pass
			5	22.83	2.00	24.83	<=30	Pass
		3	0	22.81	2.00	24.81	<=30	Pass
			2	22.74	2.00	24.74	<=30	Pass
			3	22.70	2.00	24.70	<=30	Pass
		6	0	21.77	2.00	23.77	<=30	Pass
	1732.5	1	0	22.87	2.00	24.87	<=30	Pass
			2	22.81	2.00	24.81	<=30	Pass
			5	22.91	2.00	24.91	<=30	Pass
		3	0	22.99	2.00	24.99	<=30	Pass
			2	23.01	2.00	25.01	<=30	Pass
			3	22.89	2.00	24.89	<=30	Pass
		6	0	21.92	2.00	23.92	<=30	Pass
	1754.3	1	0	23.13	2.00	25.13	<=30	Pass
			2	22.94	2.00	24.94	<=30	Pass
			5	23.13	2.00	25.13	<=30	Pass
		3	0	22.94	2.00	24.94	<=30	Pass
			2	22.95	2.00	24.95	<=30	Pass
			3	22.97	2.00	24.97	<=30	Pass
		6	0	21.91	2.00	23.91	<=30	Pass
16QAM	1710.7	1	0	22.48	2.00	24.48	<=30	Pass
			2	22.40	2.00	24.40	<=30	Pass
			5	22.44	2.00	24.44	<=30	Pass
		3	0	22.18	2.00	24.18	<=30	Pass
			2	21.90	2.00	23.90	<=30	Pass
			3	21.74	2.00	23.74	<=30	Pass
		6	0	20.96	2.00	22.96	<=30	Pass
	1732.5	1	0	21.95	2.00	23.95	<=30	Pass
			2	22.03	2.00	24.03	<=30	Pass
			5	21.94	2.00	23.94	<=30	Pass
		3	0	22.00	2.00	24.00	<=30	Pass
			2	22.07	2.00	24.07	<=30	Pass
			3	22.02	2.00	24.02	<=30	Pass
		6	0	20.79	2.00	22.79	<=30	Pass
	1754.3	1	0	22.13	2.00	24.13	<=30	Pass
			2	22.26	2.00	24.26	<=30	Pass
			5	22.37	2.00	24.37	<=30	Pass
		3	0	21.99	2.00	23.99	<=30	Pass
			2	22.06	2.00	24.06	<=30	Pass
			3	22.18	2.00	24.18	<=30	Pass
		6	0	20.84	2.00	22.84	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dBi)	Result	Limit	
QPSK	1711.5	1	0	22.71	2.00	24.71	<=30	Pass
			7	23.20	2.00	25.20	<=30	Pass
			14	22.71	2.00	24.71	<=30	Pass
		8	0	21.76	2.00	23.76	<=30	Pass
			4	21.75	2.00	23.75	<=30	Pass
			7	21.68	2.00	23.68	<=30	Pass
		15	0	21.75	2.00	23.75	<=30	Pass
	1732.5	1	0	22.87	2.00	24.87	<=30	Pass
			7	22.96	2.00	24.96	<=30	Pass
			14	22.98	2.00	24.98	<=30	Pass
		8	0	22.11	2.00	24.11	<=30	Pass
			4	22.02	2.00	24.02	<=30	Pass
			7	21.99	2.00	23.99	<=30	Pass
		15	0	22.02	2.00	24.02	<=30	Pass
	1753.5	1	0	22.80	2.00	24.80	<=30	Pass
			7	23.12	2.00	25.12	<=30	Pass
			14	23.01	2.00	25.01	<=30	Pass
		8	0	21.87	2.00	23.87	<=30	Pass
			4	21.81	2.00	23.81	<=30	Pass
			7	21.91	2.00	23.91	<=30	Pass
		15	0	21.94	2.00	23.94	<=30	Pass
16QAM	1711.5	1	0	22.11	2.00	24.11	<=30	Pass
			7	22.21	2.00	24.21	<=30	Pass
			14	22.20	2.00	24.20	<=30	Pass
		8	0	21.02	2.00	23.02	<=30	Pass
			4	20.94	2.00	22.94	<=30	Pass
			7	20.98	2.00	22.98	<=30	Pass
		15	0	20.76	2.00	22.76	<=30	Pass
	1732.5	1	0	22.30	2.00	24.30	<=30	Pass
			7	22.88	2.00	24.88	<=30	Pass
			14	22.35	2.00	24.35	<=30	Pass
		8	0	21.22	2.00	23.22	<=30	Pass
			4	20.97	2.00	22.97	<=30	Pass
			7	20.90	2.00	22.90	<=30	Pass
		15	0	20.78	2.00	22.78	<=30	Pass
	1753.5	1	0	21.84	2.00	23.84	<=30	Pass
			7	22.16	2.00	24.16	<=30	Pass
			14	22.14	2.00	24.14	<=30	Pass
		8	0	20.86	2.00	22.86	<=30	Pass
			4	20.91	2.00	22.91	<=30	Pass
			7	21.00	2.00	23.00	<=30	Pass
		15	0	21.02	2.00	23.02	<=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	22.65	2.00	24.65	<=30	Pass
			13	22.64	2.00	24.64	<=30	Pass
			24	22.63	2.00	24.63	<=30	Pass
		12	0	21.69	2.00	23.69	<=30	Pass
			6	21.69	2.00	23.69	<=30	Pass
			13	21.73	2.00	23.73	<=30	Pass
		25	0	21.72	2.00	23.72	<=30	Pass
	1732.5	1	0	22.63	2.00	24.63	<=30	Pass

			13	22.86	2.00	24.86	<=30	Pass
			24	22.62	2.00	24.62	<=30	Pass
		12	0	21.92	2.00	23.92	<=30	Pass
			6	22.07	2.00	24.07	<=30	Pass
			13	22.06	2.00	24.06	<=30	Pass
		25	0	22.00	2.00	24.00	<=30	Pass
	1752.5	1	0	22.73	2.00	24.73	<=30	Pass
			13	22.83	2.00	24.83	<=30	Pass
			24	22.99	2.00	24.99	<=30	Pass
		12	0	21.82	2.00	23.82	<=30	Pass
			6	21.81	2.00	23.81	<=30	Pass
			13	21.90	2.00	23.90	<=30	Pass
		25	0	21.92	2.00	23.92	<=30	Pass
16QAM	1712.5	1	0	21.42	2.00	23.42	<=30	Pass
			13	21.90	2.00	23.90	<=30	Pass
			24	21.46	2.00	23.46	<=30	Pass
		12	0	20.89	2.00	22.89	<=30	Pass
			6	20.92	2.00	22.92	<=30	Pass
			13	20.85	2.00	22.85	<=30	Pass
		25	0	20.67	2.00	22.67	<=30	Pass
	1732.5	1	0	21.62	2.00	23.62	<=30	Pass
			13	22.69	2.00	24.69	<=30	Pass
			24	22.49	2.00	24.49	<=30	Pass
		12	0	20.84	2.00	22.84	<=30	Pass
			6	20.99	2.00	22.99	<=30	Pass
			13	20.82	2.00	22.82	<=30	Pass
		25	0	21.09	2.00	23.09	<=30	Pass
	1752.5	1	0	21.01	2.00	23.01	<=30	Pass
			13	22.04	2.00	24.04	<=30	Pass
			24	21.25	2.00	23.25	<=30	Pass
		12	0	20.75	2.00	22.75	<=30	Pass
			6	20.83	2.00	22.83	<=30	Pass
			13	20.85	2.00	22.85	<=30	Pass
		25	0	21.10	2.00	23.10	<=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	22.77	2.00	24.77	<=30	Pass
			25	22.77	2.00	24.77	<=30	Pass
			49	22.83	2.00	24.83	<=30	Pass
		25	0	21.77	2.00	23.77	<=30	Pass
			13	21.83	2.00	23.83	<=30	Pass
			25	21.85	2.00	23.85	<=30	Pass
		50	0	21.83	2.00	23.83	<=30	Pass
	1732.5	1	0	22.81	2.00	24.81	<=30	Pass
			25	23.38	2.00	25.38	<=30	Pass
			49	22.93	2.00	24.93	<=30	Pass
		25	0	21.91	2.00	23.91	<=30	Pass
			13	21.98	2.00	23.98	<=30	Pass
			25	22.00	2.00	24.00	<=30	Pass
		50	0	21.94	2.00	23.94	<=30	Pass
	1750	1	0	23.08	2.00	25.08	<=30	Pass
			25	23.24	2.00	25.24	<=30	Pass
			49	23.13	2.00	25.13	<=30	Pass

		25	0	21.88	2.00	23.88	<=30	Pass
			13	21.88	2.00	23.88	<=30	Pass
			25	22.08	2.00	24.08	<=30	Pass
		50	0	21.93	2.00	23.93	<=30	Pass
16QAM	1715	1	0	22.14	2.00	24.14	<=30	Pass
			25	22.36	2.00	24.36	<=30	Pass
			49	22.16	2.00	24.16	<=30	Pass
		25	0	20.88	2.00	22.88	<=30	Pass
			13	21.05	2.00	23.05	<=30	Pass
			25	21.02	2.00	23.02	<=30	Pass
		50	0	20.82	2.00	22.82	<=30	Pass
	1732.5	1	0	22.06	2.00	24.06	<=30	Pass
			25	22.62	2.00	24.62	<=30	Pass
			49	22.65	2.00	24.65	<=30	Pass
		25	0	21.08	2.00	23.08	<=30	Pass
			13	21.15	2.00	23.15	<=30	Pass
			25	21.17	2.00	23.17	<=30	Pass
		50	0	20.92	2.00	22.92	<=30	Pass
	1750	1	0	21.82	2.00	23.82	<=30	Pass
			25	21.54	2.00	23.54	<=30	Pass
			49	21.89	2.00	23.89	<=30	Pass
		25	0	21.08	2.00	23.08	<=30	Pass
			13	21.08	2.00	23.08	<=30	Pass
			25	21.17	2.00	23.17	<=30	Pass
		50	0	20.97	2.00	22.97	<=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	22.81	2.00	24.81	<=30	Pass
			38	22.82	2.00	24.82	<=30	Pass
			74	22.87	2.00	24.87	<=30	Pass
		36	0	21.84	2.00	23.84	<=30	Pass
			18	21.94	2.00	23.94	<=30	Pass
			39	21.90	2.00	23.90	<=30	Pass
		75	0	21.78	2.00	23.78	<=30	Pass
	1732.5	1	0	22.67	2.00	24.67	<=30	Pass
			38	23.13	2.00	25.13	<=30	Pass
			74	23.04	2.00	25.04	<=30	Pass
		36	0	21.83	2.00	23.83	<=30	Pass
			18	21.93	2.00	23.93	<=30	Pass
			39	22.03	2.00	24.03	<=30	Pass
		75	0	21.95	2.00	23.95	<=30	Pass
	1747.5	1	0	23.09	2.00	25.09	<=30	Pass
			38	22.72	2.00	24.72	<=30	Pass
			74	22.89	2.00	24.89	<=30	Pass
		36	0	22.01	2.00	24.01	<=30	Pass
			18	21.79	2.00	23.79	<=30	Pass
			39	21.88	2.00	23.88	<=30	Pass
		75	0	21.92	2.00	23.92	<=30	Pass
16QAM	1717.5	1	0	22.22	2.00	24.22	<=30	Pass
			38	23.14	2.00	25.14	<=30	Pass
			74	22.25	2.00	24.25	<=30	Pass
		36	0	20.97	2.00	22.97	<=30	Pass
			18	20.87	2.00	22.87	<=30	Pass

			39	20.95	2.00	22.95	<=30	Pass
		75	0	20.91	2.00	22.91	<=30	Pass
	1732.5	1	0	22.55	2.00	24.55	<=30	Pass
			38	22.69	2.00	24.69	<=30	Pass
			74	22.68	2.00	24.68	<=30	Pass
		36	0	21.10	2.00	23.10	<=30	Pass
			18	20.93	2.00	22.93	<=30	Pass
			39	21.03	2.00	23.03	<=30	Pass
		75	0	20.86	2.00	22.86	<=30	Pass
	1747.5	1	0	22.44	2.00	24.44	<=30	Pass
			38	22.11	2.00	24.11	<=30	Pass
			74	21.68	2.00	23.68	<=30	Pass
		36	0	21.01	2.00	23.01	<=30	Pass
			18	20.80	2.00	22.80	<=30	Pass
			39	20.98	2.00	22.98	<=30	Pass
		75	0	21.02	2.00	23.02	<=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	22.57	2.00	24.57	<=30	Pass
			50	22.79	2.00	24.79	<=30	Pass
			99	22.52	2.00	24.52	<=30	Pass
		50	0	21.84	2.00	23.84	<=30	Pass
			25	21.82	2.00	23.82	<=30	Pass
			50	21.73	2.00	23.73	<=30	Pass
		100	0	21.85	2.00	23.85	<=30	Pass
	1732.5	1	0	22.74	2.00	24.74	<=30	Pass
			50	22.74	2.00	24.74	<=30	Pass
			99	22.73	2.00	24.73	<=30	Pass
		50	0	21.72	2.00	23.72	<=30	Pass
			25	21.90	2.00	23.90	<=30	Pass
			50	21.95	2.00	23.95	<=30	Pass
		100	0	21.89	2.00	23.89	<=30	Pass
	1745	1	0	23.01	2.00	25.01	<=30	Pass
			50	23.16	2.00	25.16	<=30	Pass
			99	22.79	2.00	24.79	<=30	Pass
		50	0	22.12	2.00	24.12	<=30	Pass
			25	21.99	2.00	23.99	<=30	Pass
			50	21.86	2.00	23.86	<=30	Pass
		100	0	21.89	2.00	23.89	<=30	Pass
16QAM	1720	1	0	22.21	2.00	24.21	<=30	Pass
			50	22.67	2.00	24.67	<=30	Pass
			99	22.19	2.00	24.19	<=30	Pass
		50	0	20.95	2.00	22.95	<=30	Pass
			25	21.08	2.00	23.08	<=30	Pass
			50	20.94	2.00	22.94	<=30	Pass
		100	0	20.98	2.00	22.98	<=30	Pass
	1732.5	1	0	22.79	2.00	24.79	<=30	Pass
			50	23.11	2.00	25.11	<=30	Pass
			99	22.82	2.00	24.82	<=30	Pass
		50	0	20.87	2.00	22.87	<=30	Pass
			25	20.91	2.00	22.91	<=30	Pass
			50	20.93	2.00	22.93	<=30	Pass
		100	0	21.02	2.00	23.02	<=30	Pass

	1745	1	0	22.62	2.00	24.62	<=30	Pass
			50	22.80	2.00	24.80	<=30	Pass
			99	22.44	2.00	24.44	<=30	Pass
		50	0	21.30	2.00	23.30	<=30	Pass
			25	21.05	2.00	23.05	<=30	Pass
			50	20.95	2.00	22.95	<=30	Pass
		100	0	20.99	2.00	22.99	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 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	3.55	3.582	0.0021	/	Pass
					4	2.798	0.0016	/	Pass
					4.4	2.466	0.0014	/	Pass
				-30	4	3.356	0.0020	/	Pass
				-20	4	2.589	0.0015	/	Pass
				-10	4	4.070	0.0024	/	Pass
				0	4	3.012	0.0018	/	Pass
				10	4	2.358	0.0014	/	Pass
				30	4	2.178	0.0013	/	Pass
				40	4	1.412	0.0008	/	Pass
				50	4	2.381	0.0014	/	Pass
	1732.5	100	0	20	3.55	0.864	0.0005	/	Pass
					4	0.626	0.0004	/	Pass
					4.4	0.919	0.0005	/	Pass
				-30	4	1.156	0.0007	/	Pass
				-20	4	0.981	0.0006	/	Pass
				-10	4	1.482	0.0009	/	Pass
				0	4	0.415	0.0002	/	Pass
				10	4	0.979	0.0006	/	Pass
				30	4	0.106	0.0001	/	Pass
				40	4	1.598	0.0009	/	Pass
				50	4	0.525	0.0003	/	Pass
	1745	100	0	20	3.55	-2.770	-0.0016	/	Pass
					4	-3.287	-0.0019	/	Pass
					4.4	-1.237	-0.0007	/	Pass
				-30	4	-1.539	-0.0009	/	Pass
				-20	4	-3.084	-0.0018	/	Pass
				-10	4	-2.699	-0.0015	/	Pass
				0	4	-2.883	-0.0017	/	Pass
				10	4	-1.454	-0.0008	/	Pass
				30	4	-1.442	-0.0008	/	Pass
				40	4	-1.348	-0.0008	/	Pass
				50	4	-0.466	-0.0003	/	Pass
16QAM	1720	100	0	20	3.55	2.366	0.0014	/	Pass
					4	1.704	0.0010	/	Pass
					4.4	2.545	0.0015	/	Pass
				-30	4	2.512	0.0015	/	Pass
				-20	4	2.098	0.0012	/	Pass
				-10	4	2.859	0.0017	/	Pass

				0	4	2.895	0.0017	/	Pass
				10	4	2.490	0.0014	/	Pass
				30	4	1.224	0.0007	/	Pass
				40	4	0.998	0.0006	/	Pass
				50	4	2.695	0.0016	/	Pass
	1732.5	100	0	20	3.55	0.352	0.0002	/	Pass
					4	0.729	0.0004	/	Pass
					4.4	1.044	0.0006	/	Pass
				-30	4	-0.289	-0.0002	/	Pass
				-20	4	0.247	0.0001	/	Pass
				-10	4	0.798	0.0005	/	Pass
				0	4	-0.948	-0.0005	/	Pass
				10	4	-0.256	-0.0001	/	Pass
				30	4	2.039	0.0012	/	Pass
				40	4	0.555	0.0003	/	Pass
				50	4	-0.476	-0.0003	/	Pass
	1745	100	0	20	3.55	-1.432	-0.0008	/	Pass
					4	-1.775	-0.0010	/	Pass
					4.4	-1.385	-0.0008	/	Pass
				-30	4	-2.029	-0.0012	/	Pass
				-20	4	-2.538	-0.0015	/	Pass
				-10	4	-1.677	-0.0010	/	Pass
				0	4	-2.399	-0.0014	/	Pass
				10	4	-1.535	-0.0009	/	Pass
				30	4	-2.265	-0.0013	/	Pass
				40	4	-1.546	-0.0009	/	Pass
				50	4	-1.409	-0.0008	/	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 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	1.112	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.117	/	Pass
	16QAM	1710.7	6	0	1.113	/	Pass
		1732.5	6	0	1.108	/	Pass
		1754.3	6	0	1.107	/	Pass
3	QPSK	1711.5	15	0	2.745	/	Pass
		1732.5	15	0	2.738	/	Pass
		1753.5	15	0	2.748	/	Pass
	16QAM	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.730	/	Pass
		1753.5	15	0	2.735	/	Pass
5	QPSK	1712.5	25	0	4.562	/	Pass
		1732.5	25	0	4.541	/	Pass
		1752.5	25	0	4.552	/	Pass
	16QAM	1712.5	25	0	4.519	/	Pass
		1732.5	25	0	4.553	/	Pass
		1752.5	25	0	4.558	/	Pass
10	QPSK	1715	50	0	9.044	/	Pass
		1732.5	50	0	9.018	/	Pass

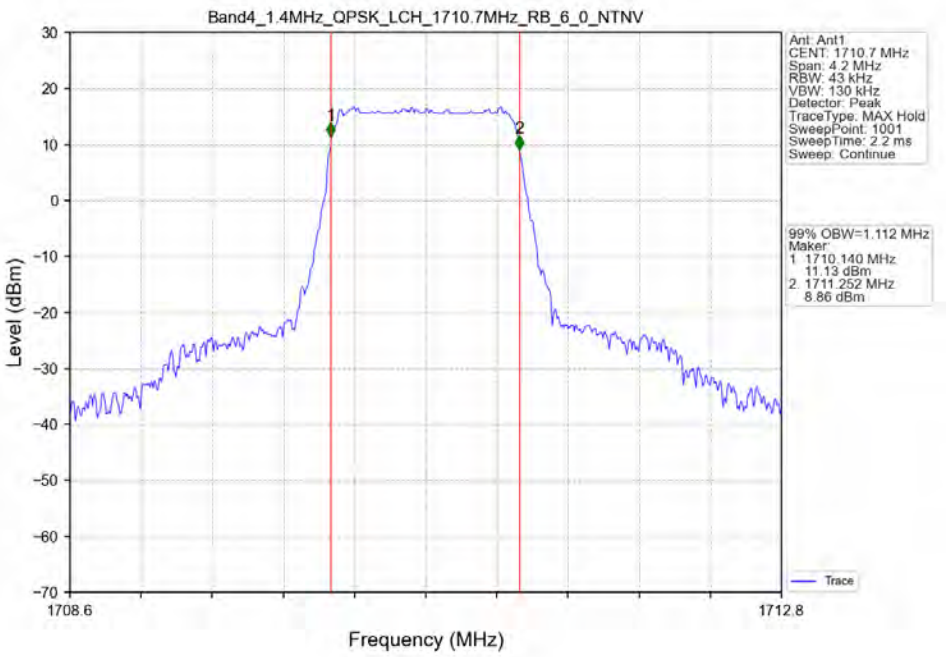
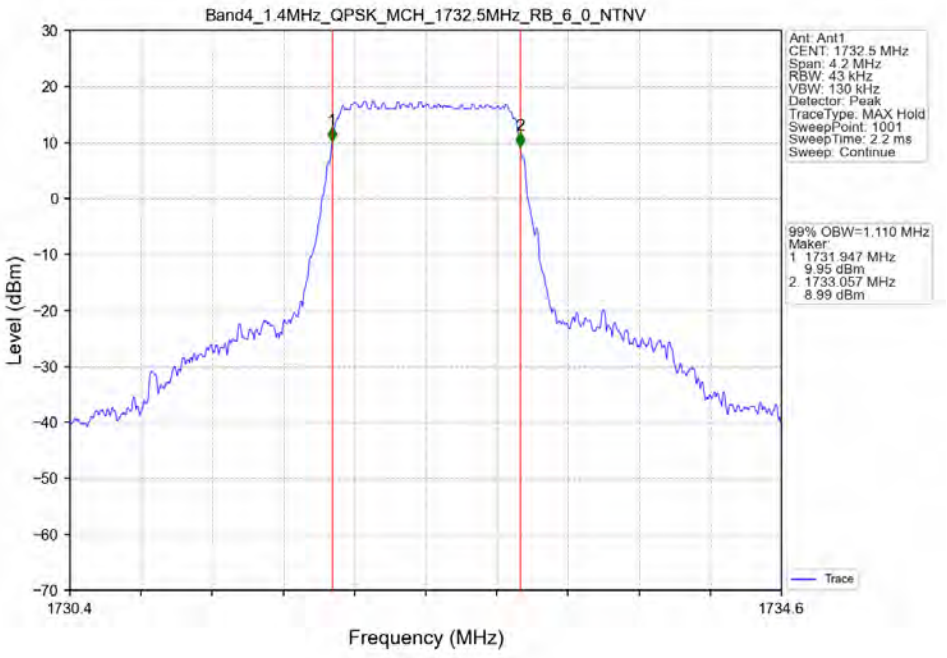
		1750	50	0	9.033	/	Pass
	16QAM	1715	50	0	9.025	/	Pass
		1732.5	50	0	9.049	/	Pass
		1750	50	0	9.025	/	Pass
15	QPSK	1717.5	75	0	13.521	/	Pass
		1732.5	75	0	13.492	/	Pass
		1747.5	75	0	13.519	/	Pass
	16QAM	1717.5	75	0	13.506	/	Pass
		1732.5	75	0	13.540	/	Pass
		1747.5	75	0	13.514	/	Pass
20	QPSK	1720	100	0	18.058	/	Pass
		1732.5	100	0	18.063	/	Pass
		1745	100	0	18.037	/	Pass
	16QAM	1720	100	0	18.020	/	Pass
		1732.5	100	0	18.036	/	Pass
		1745	100	0	18.003	/	Pass

3.1.2 Band4_XDB

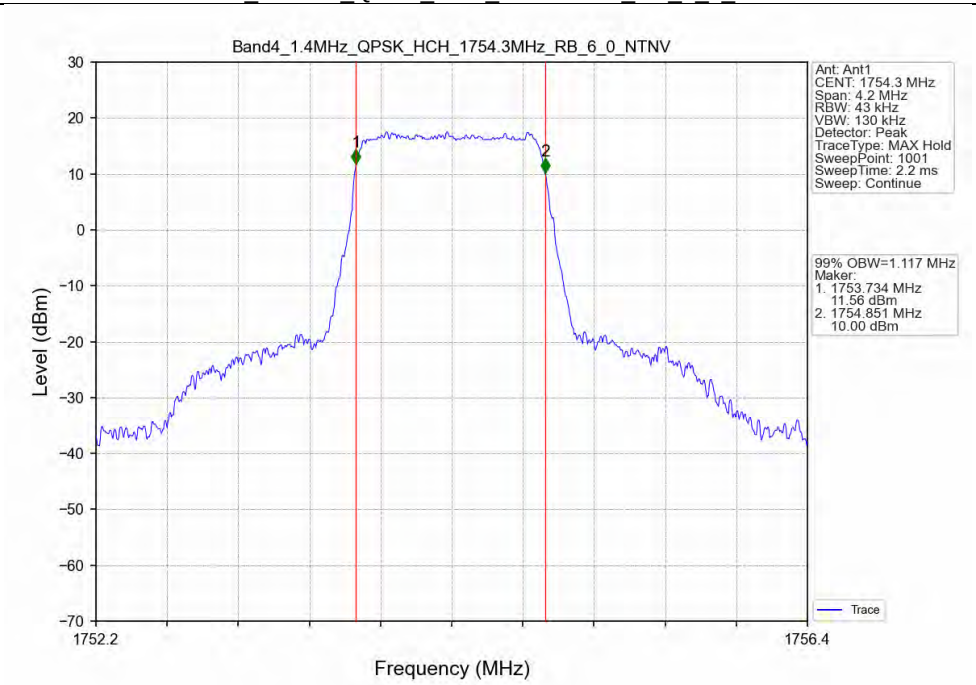
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.317	/	Pass
		1732.5	6	0	1.323	/	Pass
		1754.3	6	0	1.313	/	Pass
	16QAM	1710.7	6	0	1.318	/	Pass
		1732.5	6	0	1.321	/	Pass
		1754.3	6	0	1.332	/	Pass
3	QPSK	1711.5	15	0	3.052	/	Pass
		1732.5	15	0	3.062	/	Pass
		1753.5	15	0	3.065	/	Pass
	16QAM	1711.5	15	0	3.060	/	Pass
		1732.5	15	0	3.042	/	Pass
		1753.5	15	0	3.041	/	Pass
5	QPSK	1712.5	25	0	5.095	/	Pass
		1732.5	25	0	5.069	/	Pass
		1752.5	25	0	5.068	/	Pass
	16QAM	1712.5	25	0	5.035	/	Pass
		1732.5	25	0	5.090	/	Pass
		1752.5	25	0	5.107	/	Pass
10	QPSK	1715	50	0	10.017	/	Pass
		1732.5	50	0	9.960	/	Pass
		1750	50	0	10.037	/	Pass
	16QAM	1715	50	0	10.053	/	Pass
		1732.5	50	0	9.959	/	Pass
		1750	50	0	10.035	/	Pass
15	QPSK	1717.5	75	0	14.926	/	Pass
		1732.5	75	0	14.884	/	Pass
		1747.5	75	0	14.906	/	Pass
	16QAM	1717.5	75	0	14.847	/	Pass
		1732.5	75	0	14.995	/	Pass
		1747.5	75	0	14.788	/	Pass
20	QPSK	1720	100	0	19.724	/	Pass
		1732.5	100	0	19.693	/	Pass
		1745	100	0	19.694	/	Pass
	16QAM	1720	100	0	19.753	/	Pass
		1732.5	100	0	19.715	/	Pass
		1745	100	0	19.744	/	Pass

3.2 Test Graph

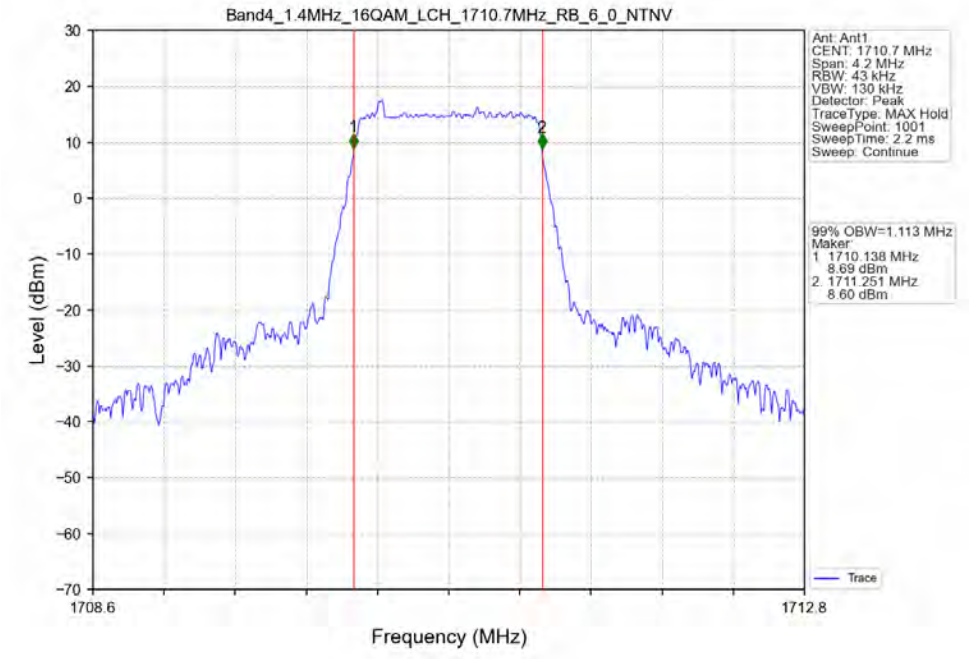
3.2.1 Band4_OBW

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


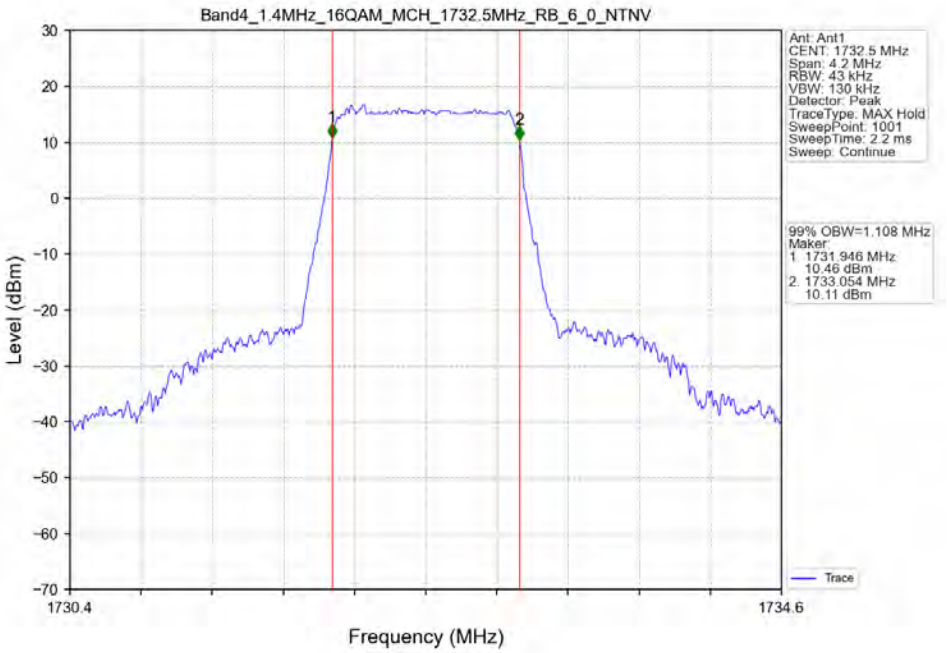
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



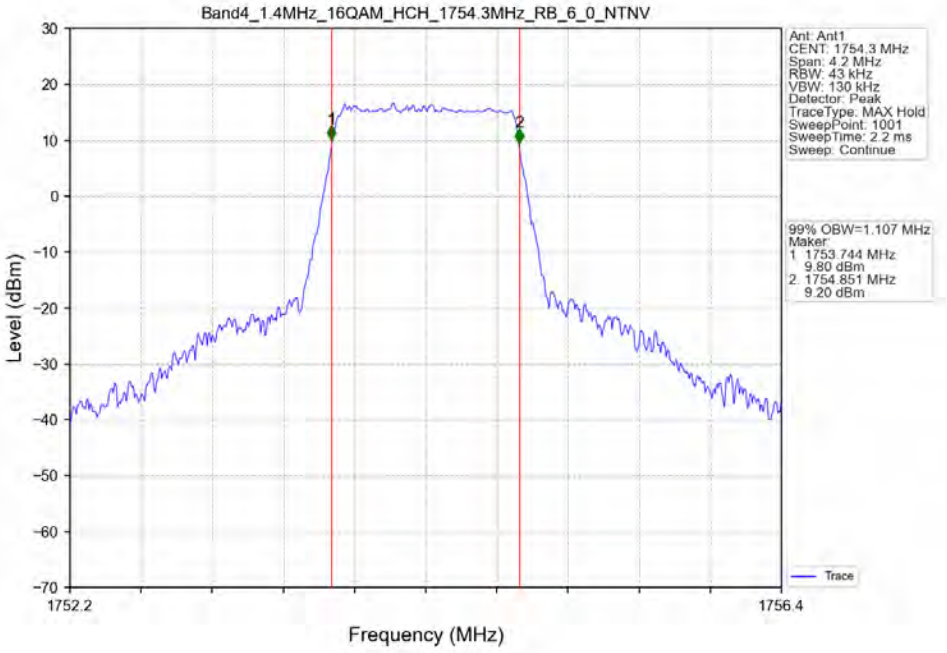
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



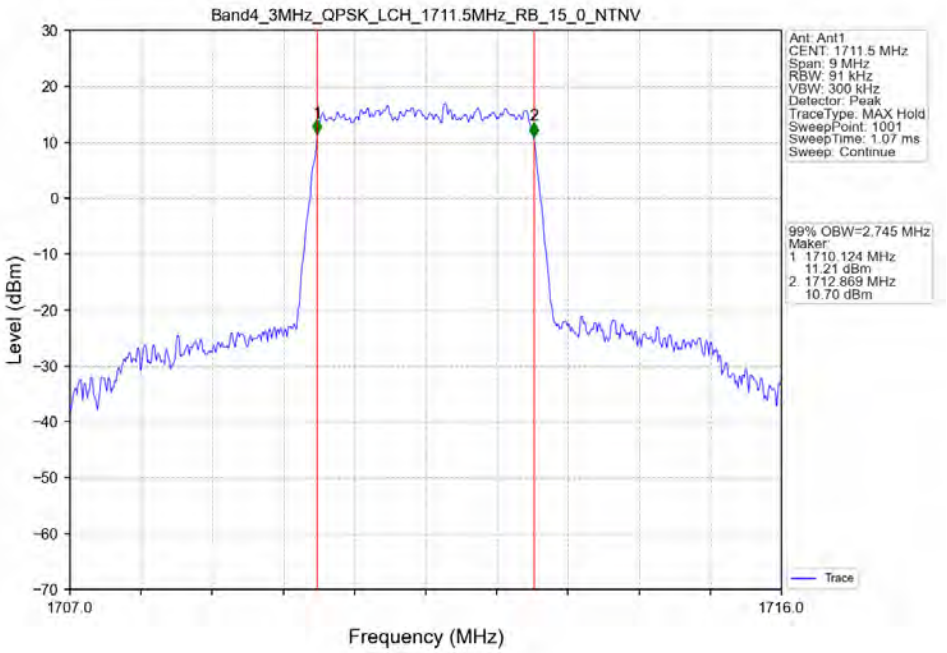
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



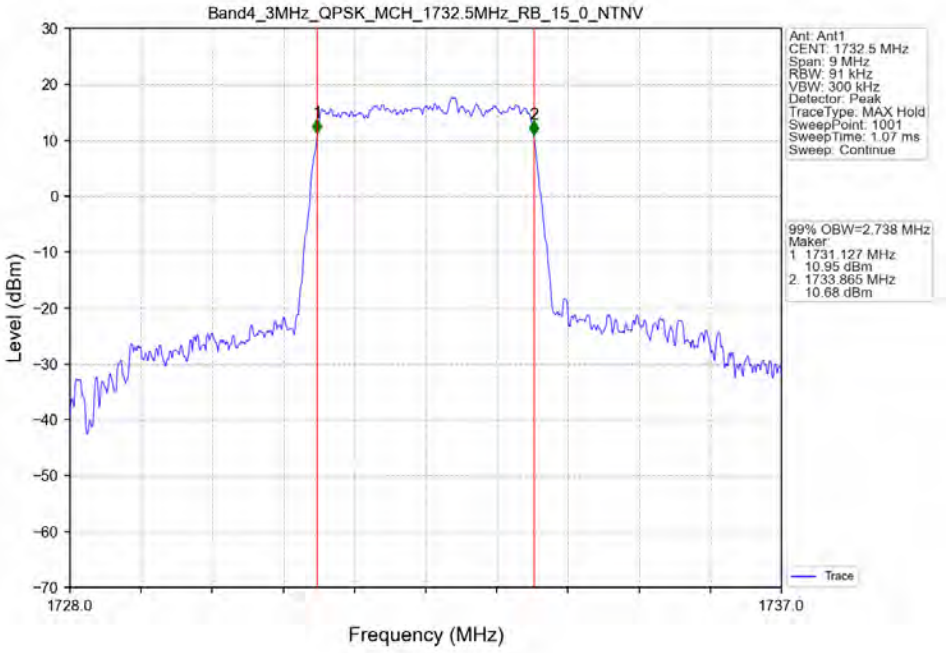
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



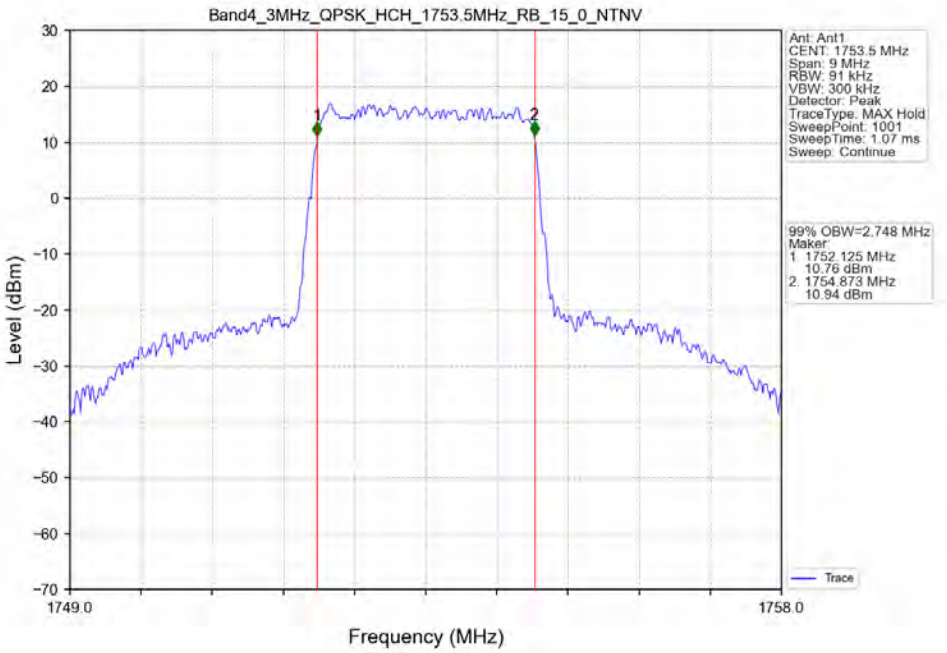
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



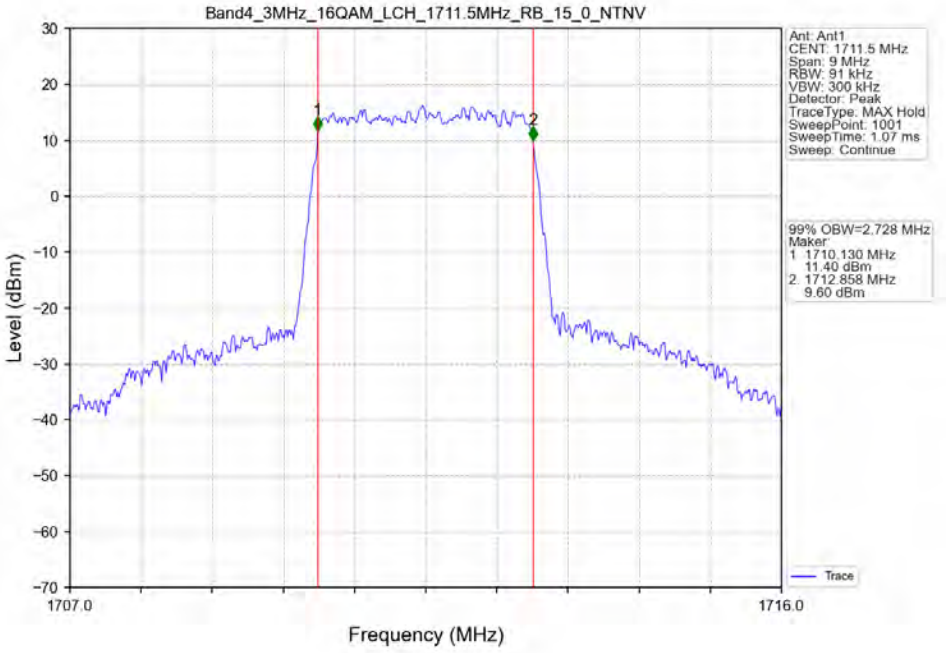
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



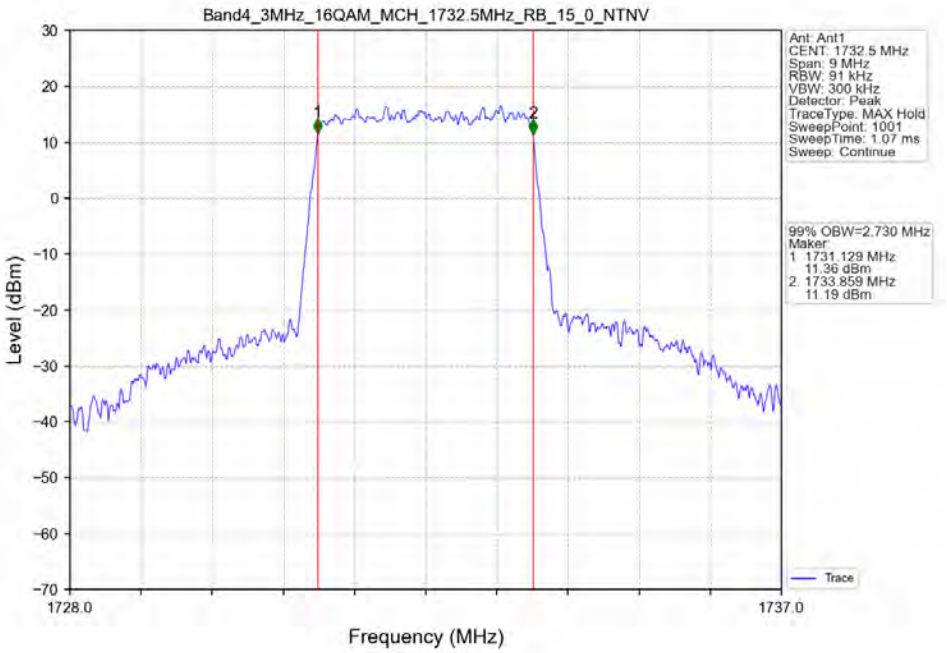
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



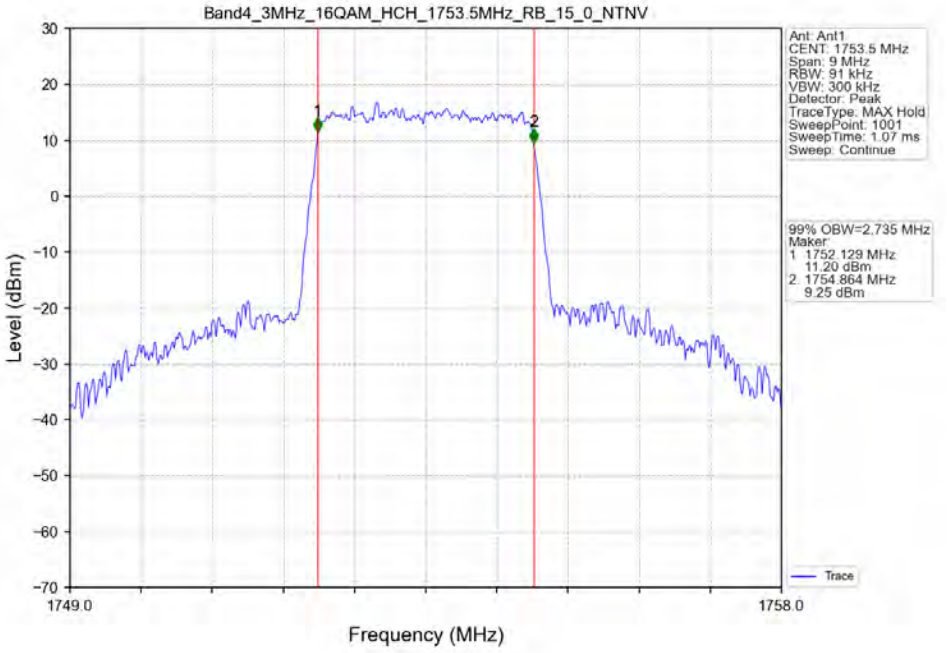
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



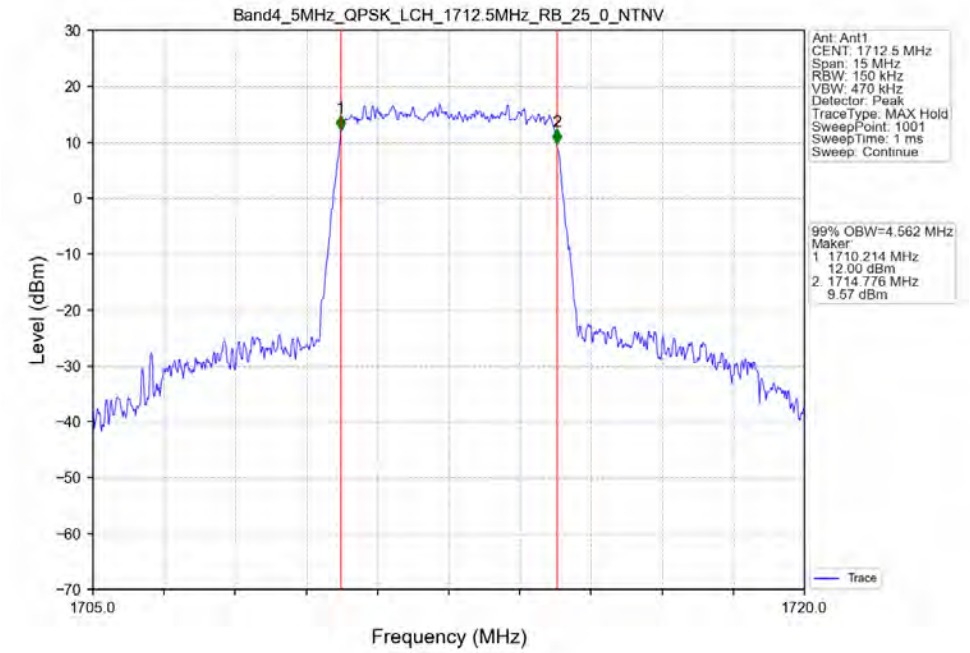
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



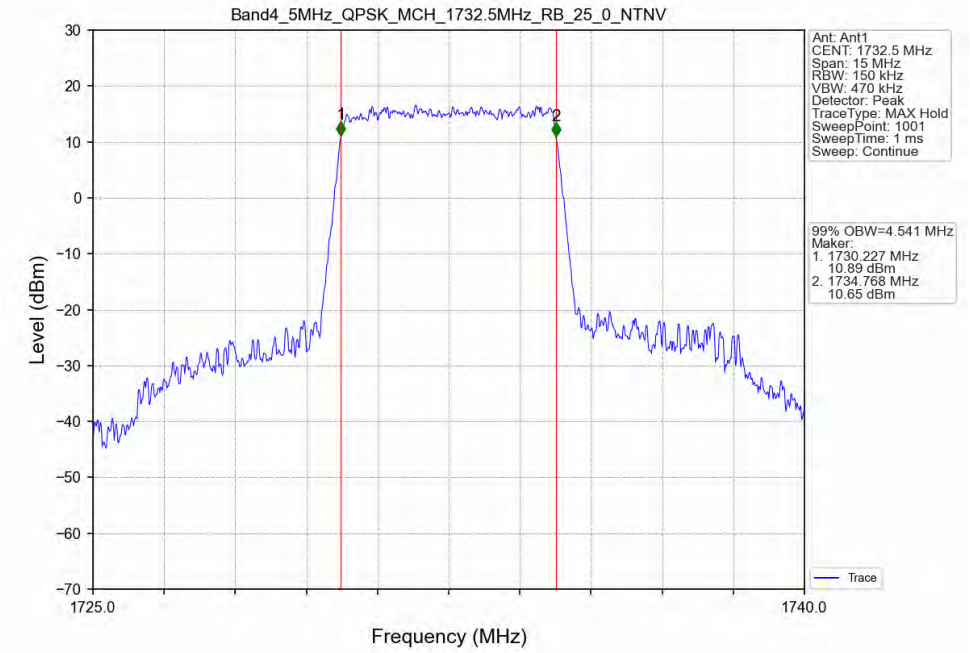
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



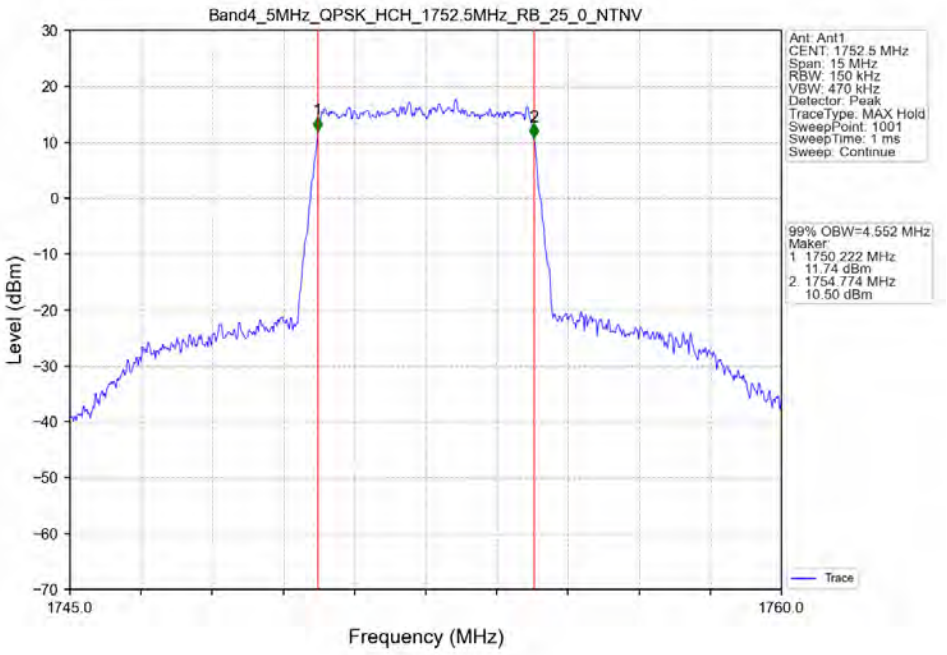
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



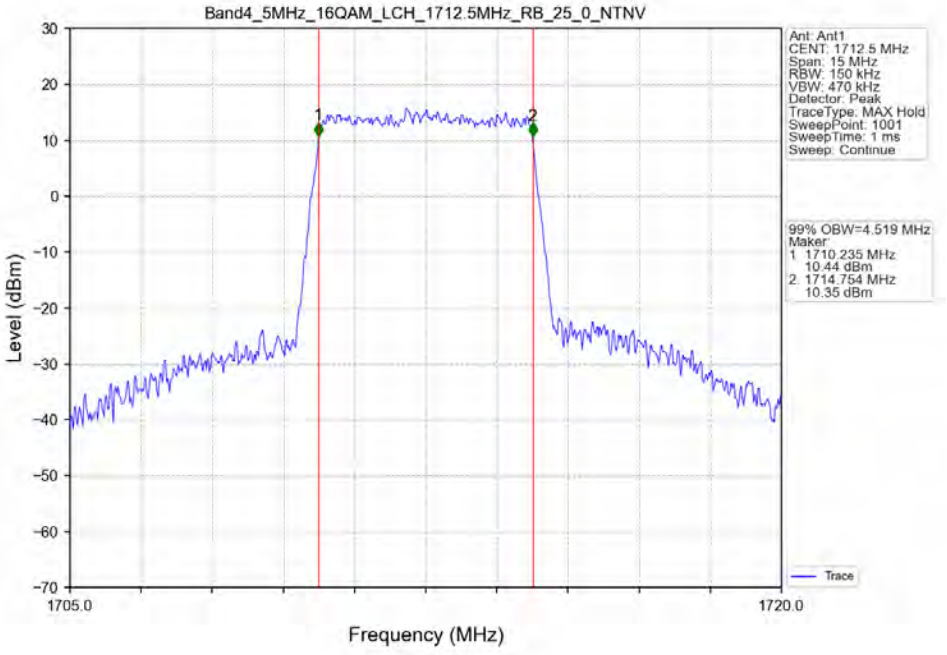
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



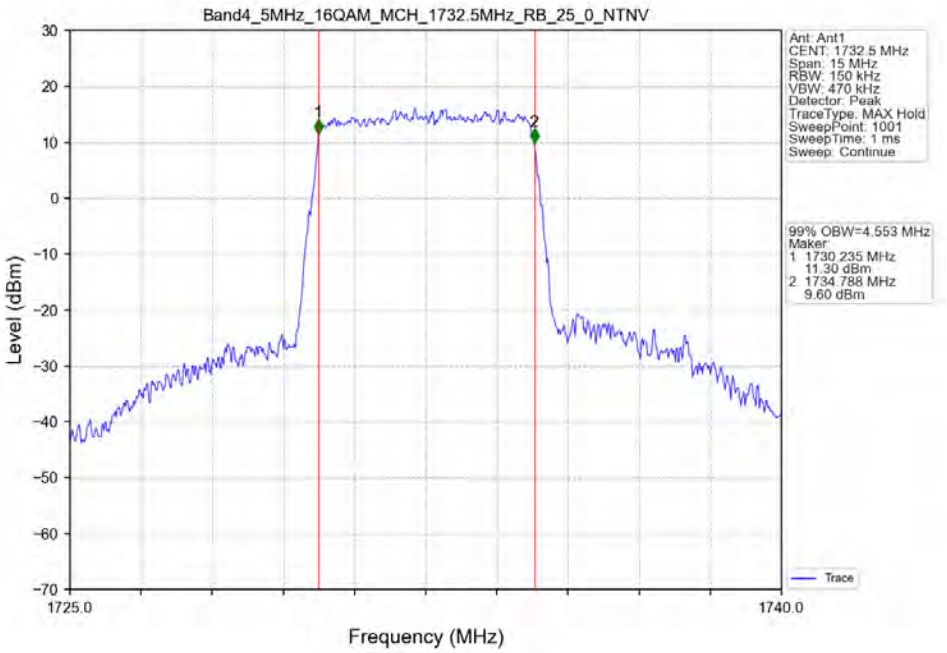
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



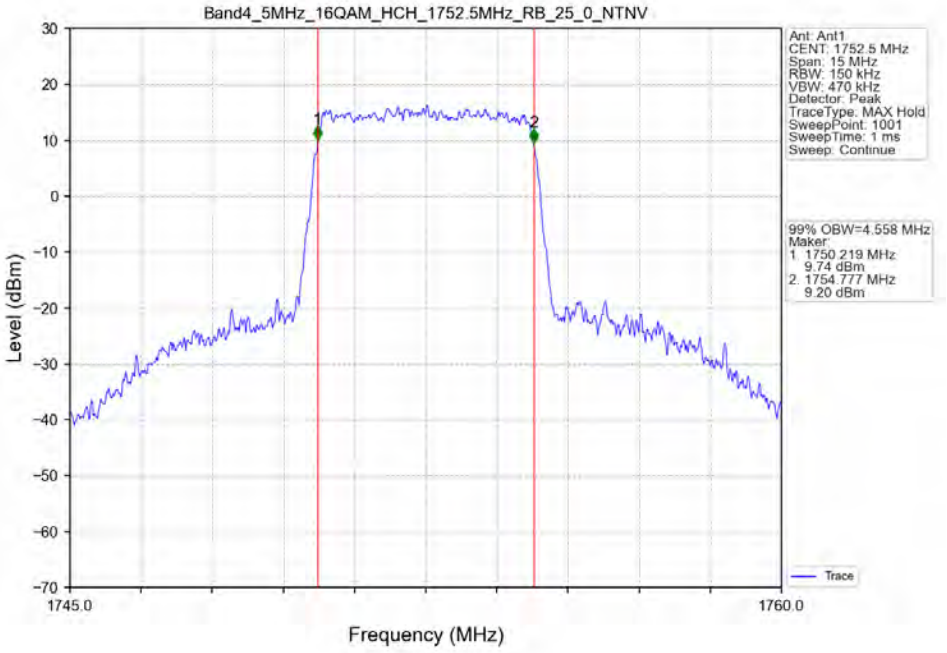
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



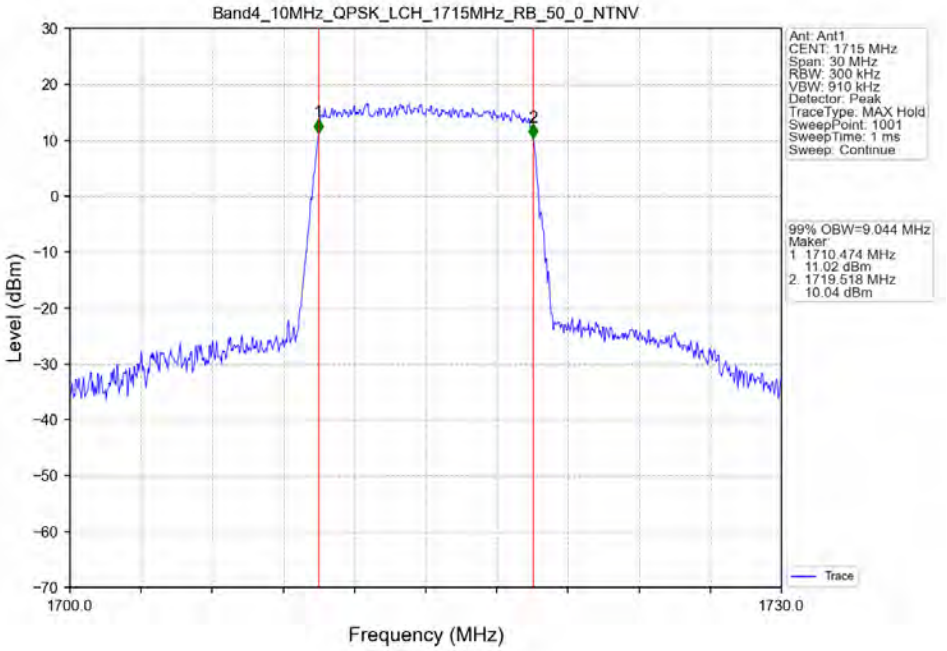
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



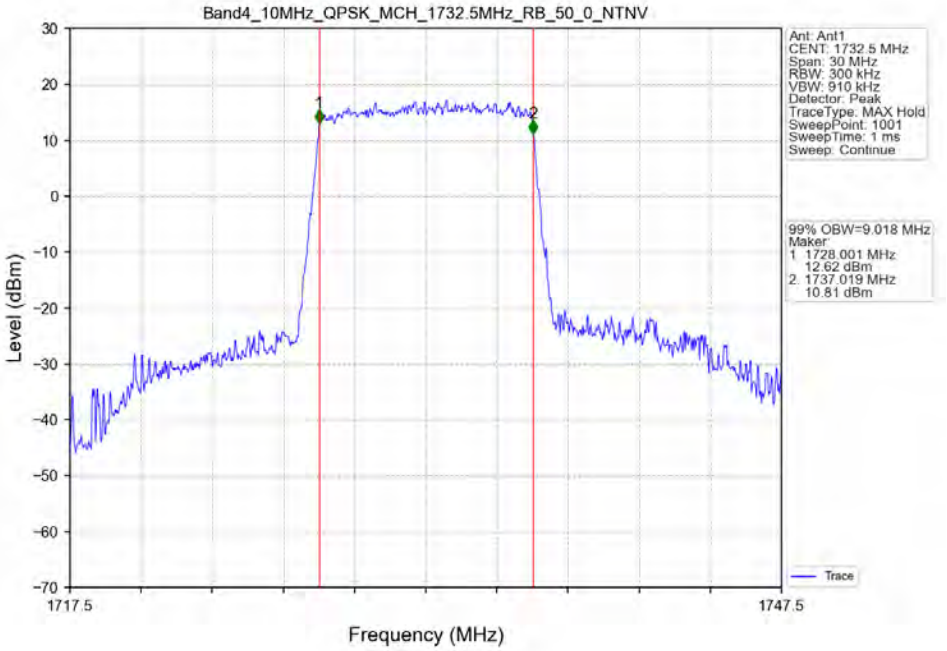
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



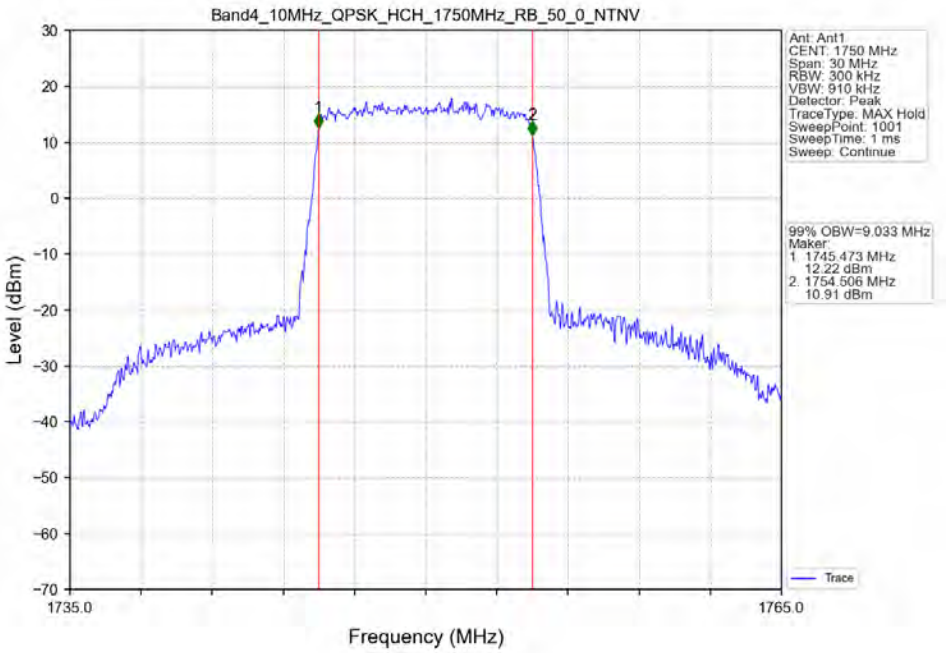
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



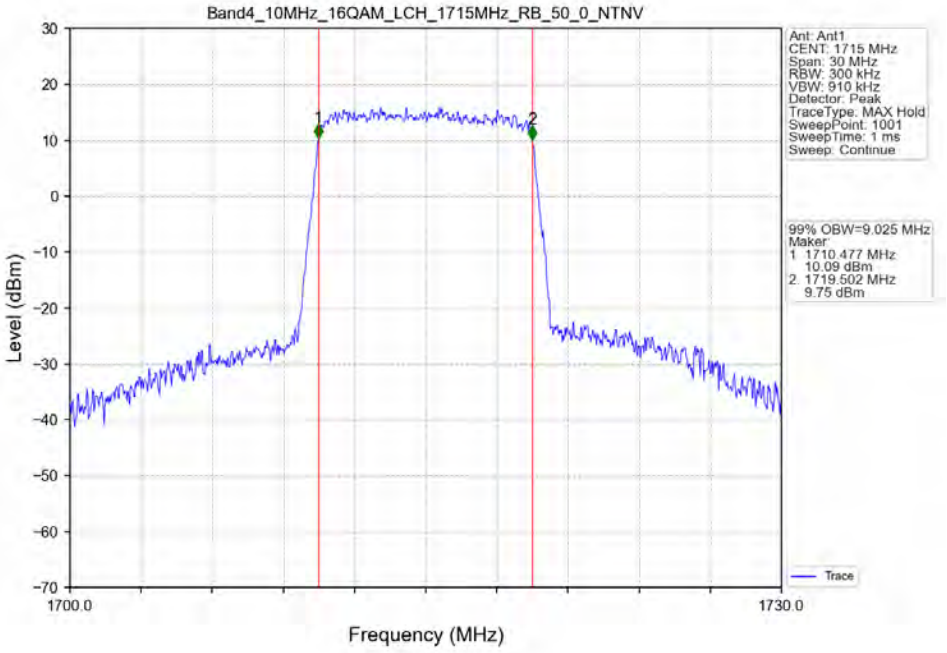
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



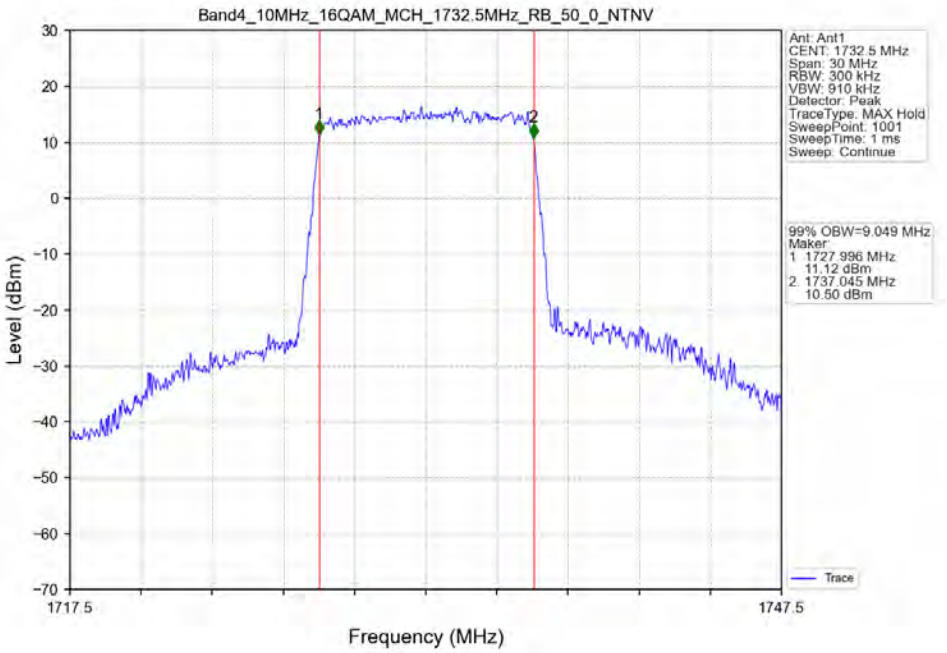
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



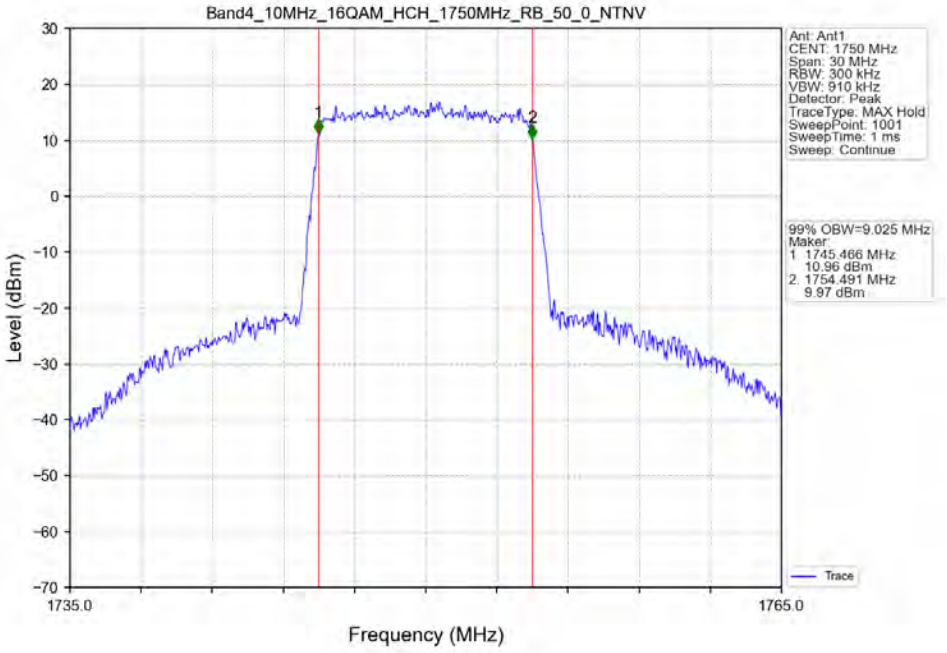
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



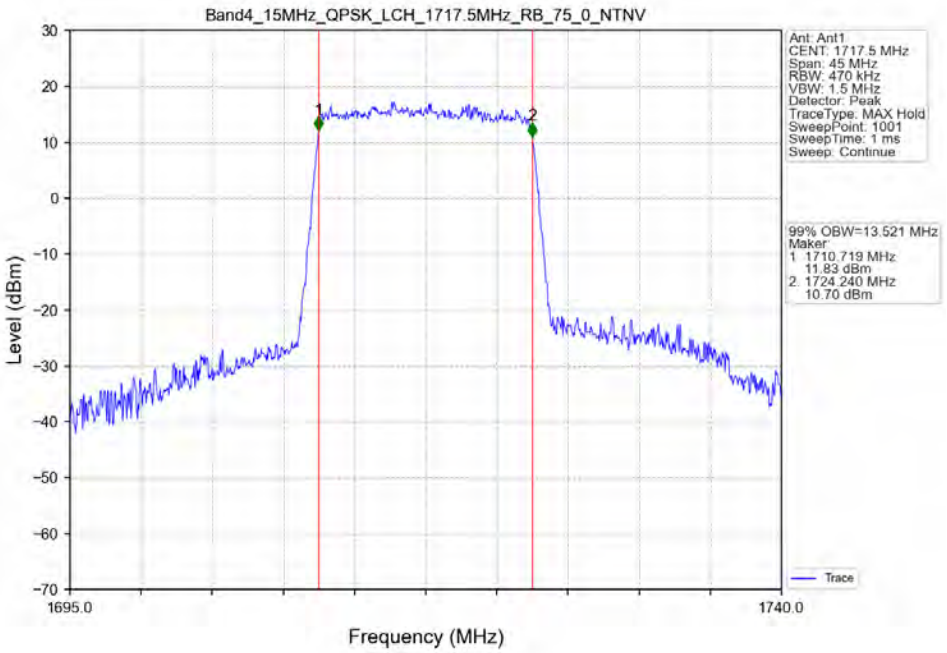
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



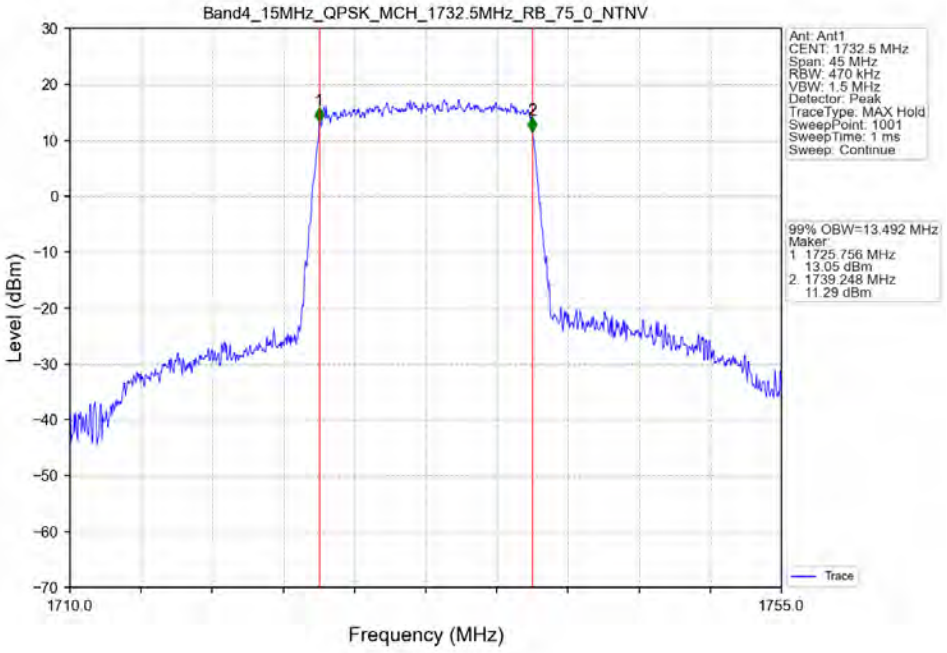
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



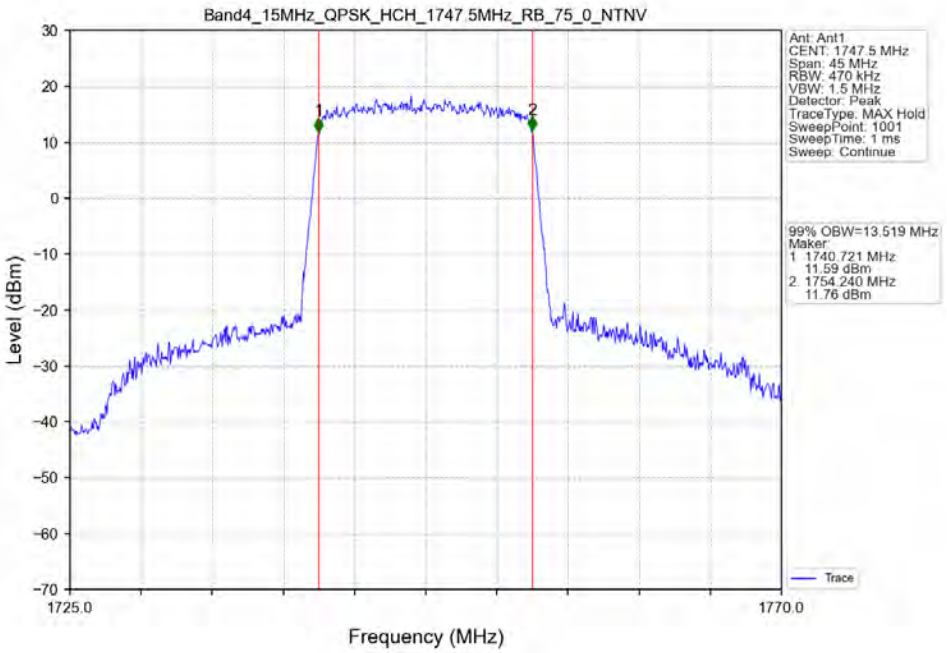
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



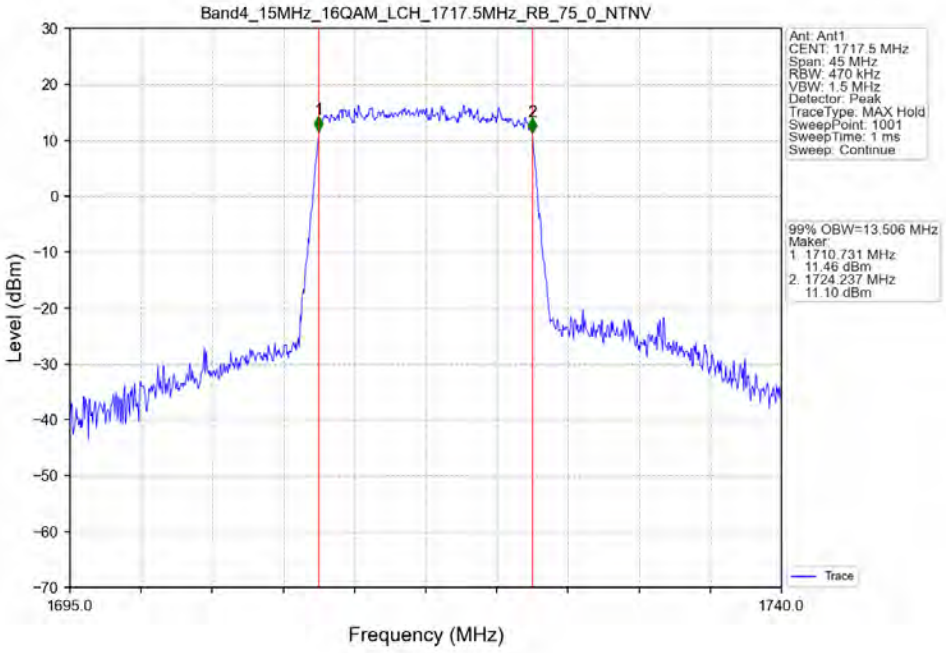
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



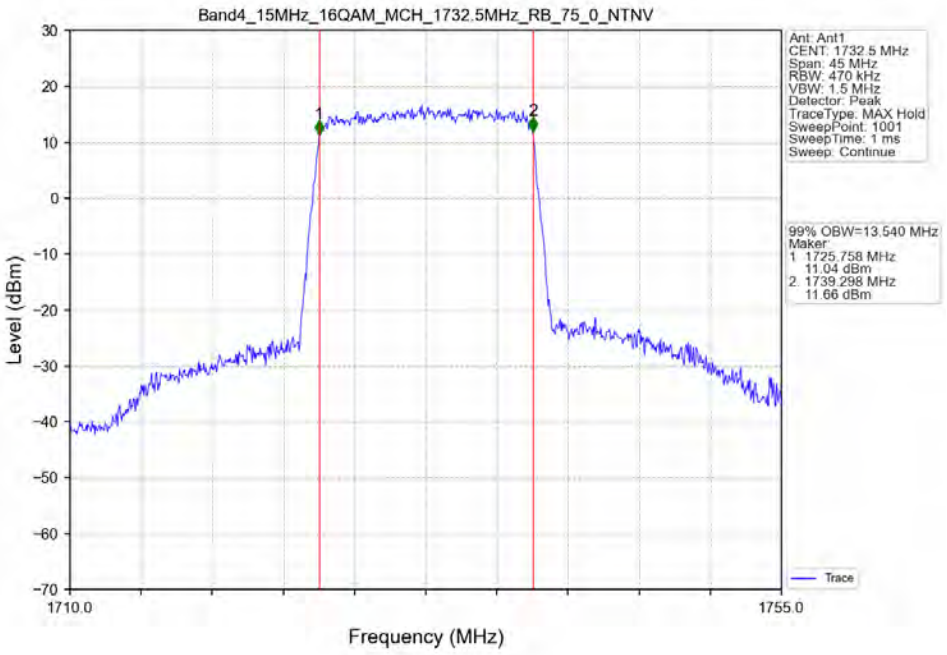
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



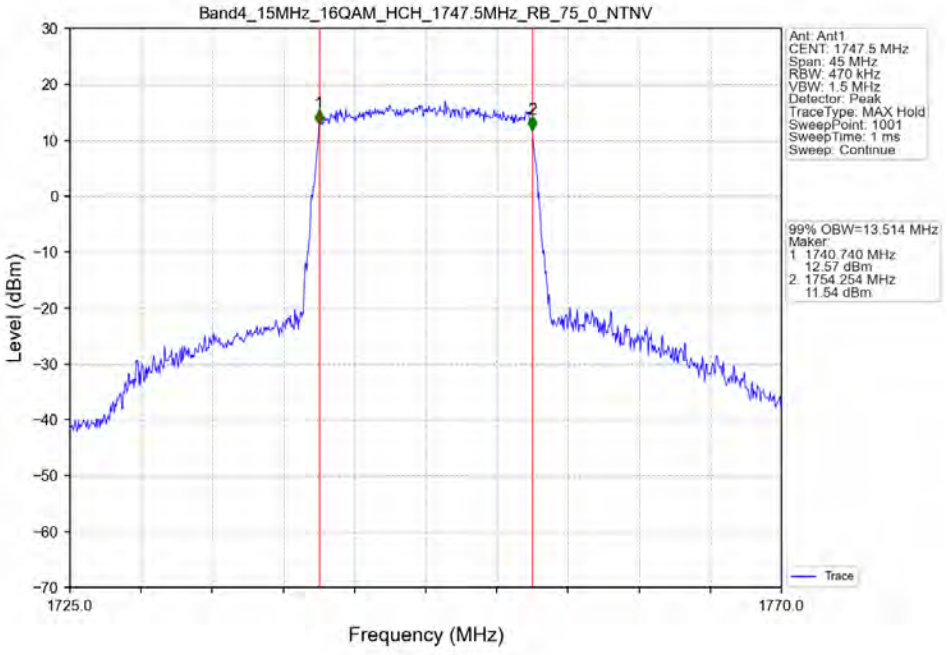
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



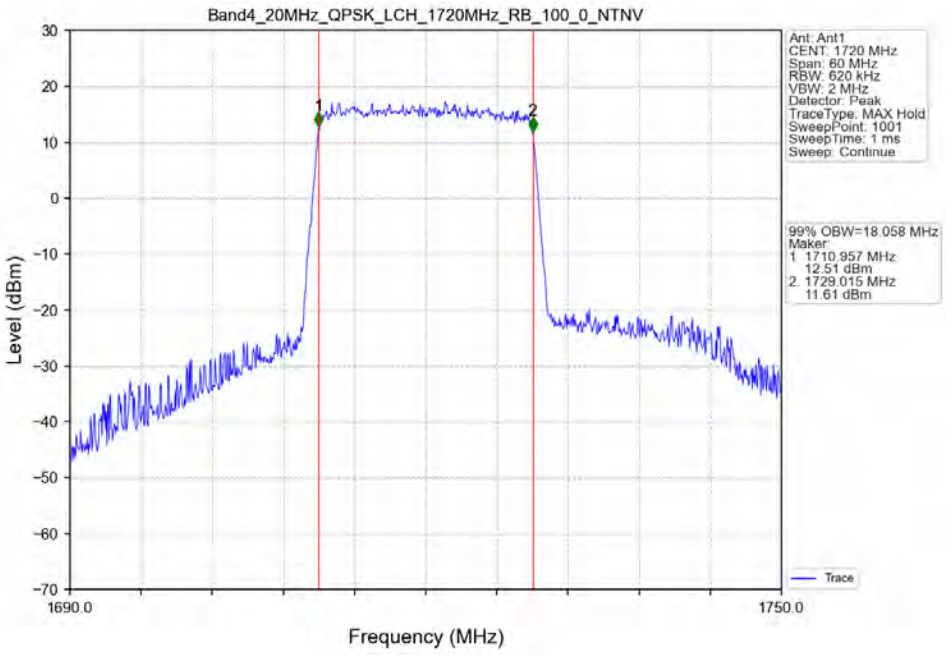
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



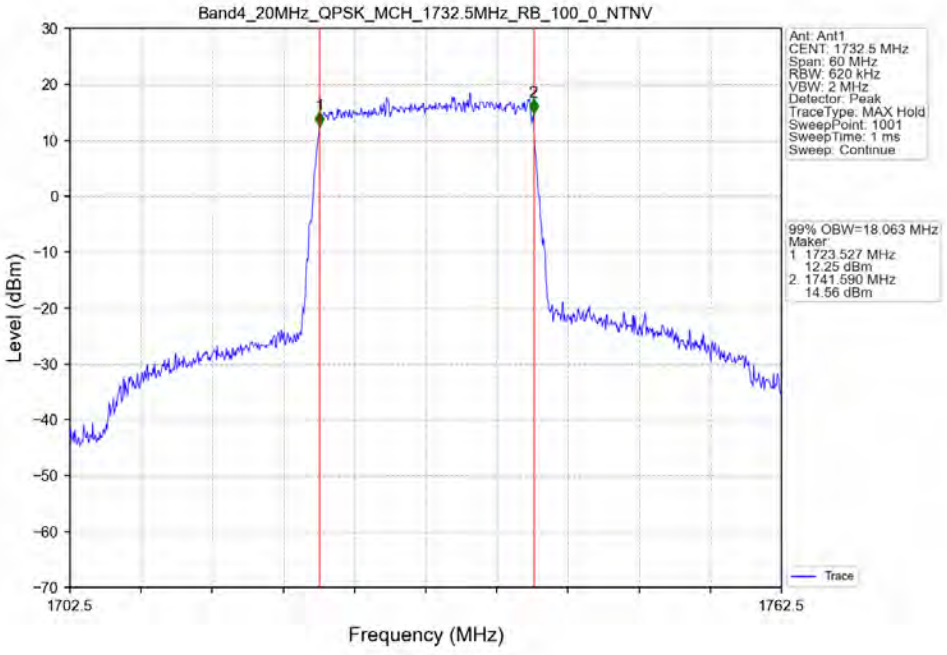
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



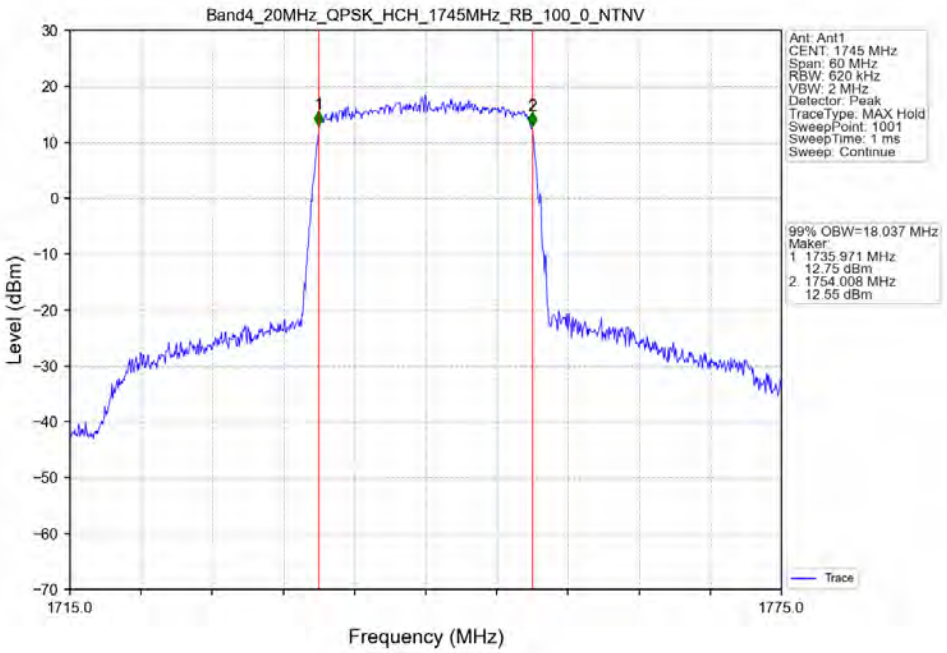
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



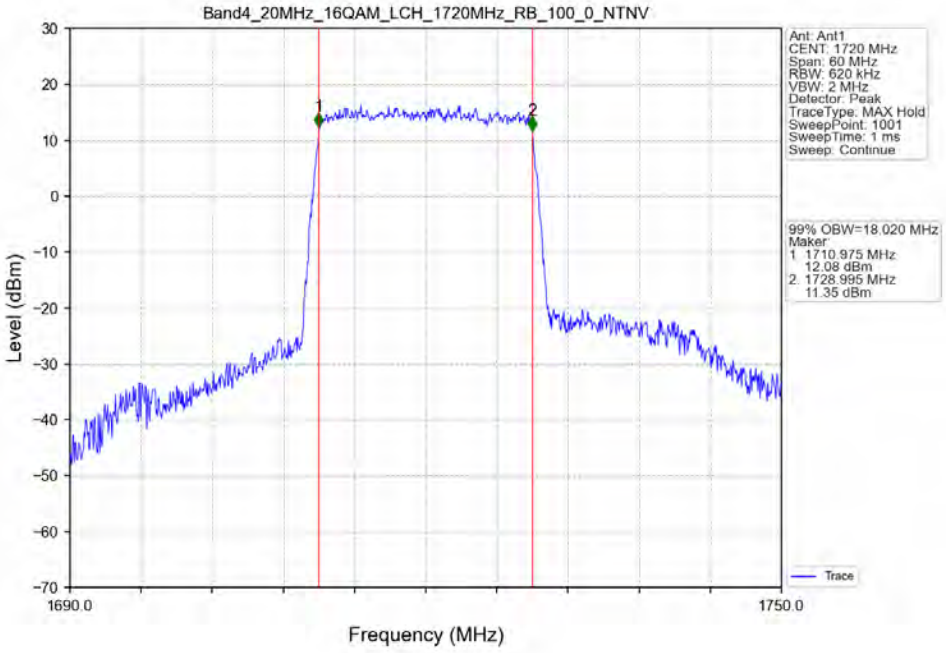
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



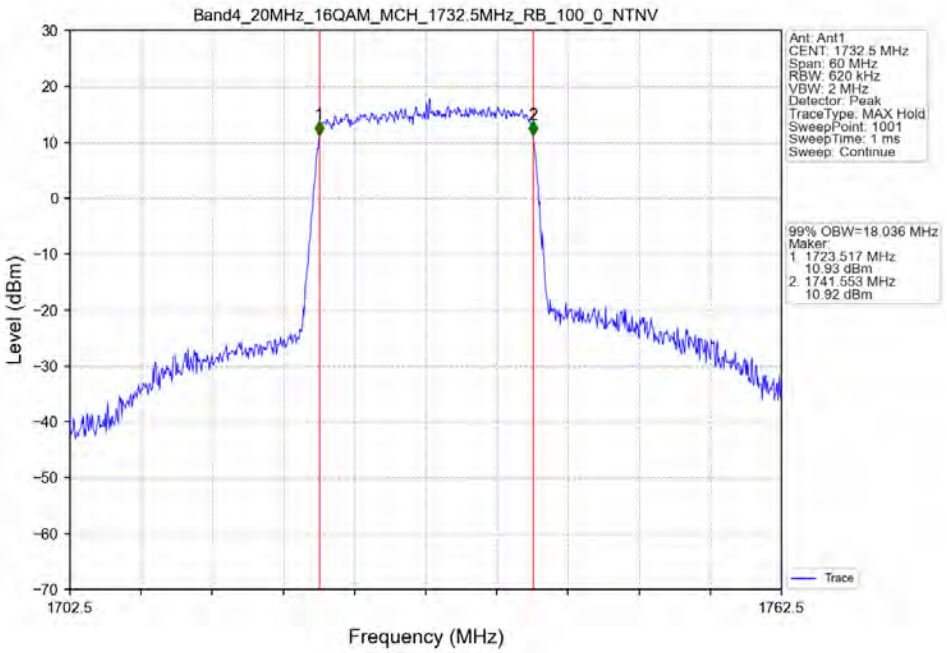
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



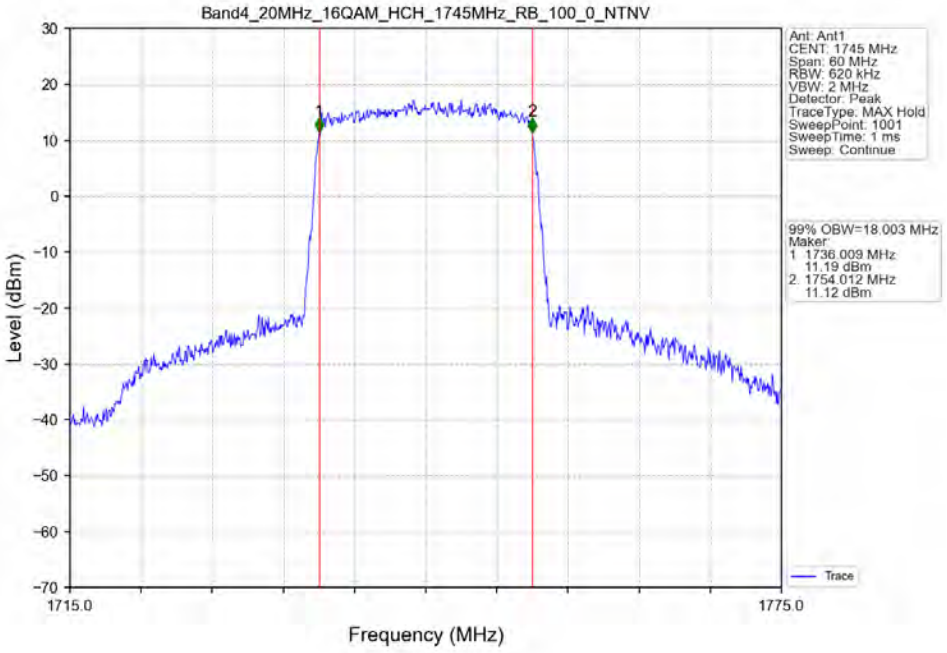
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



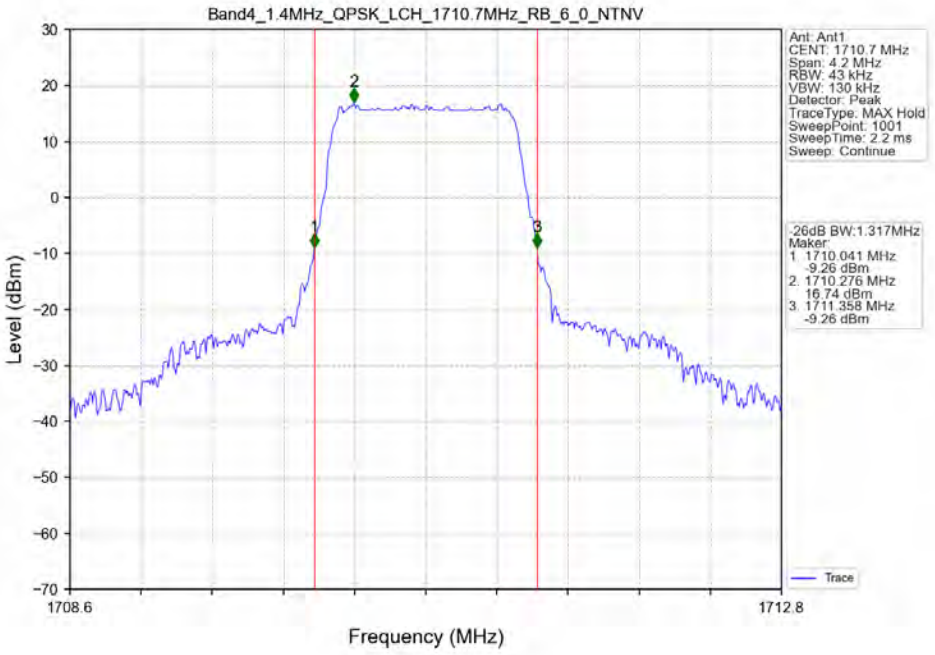
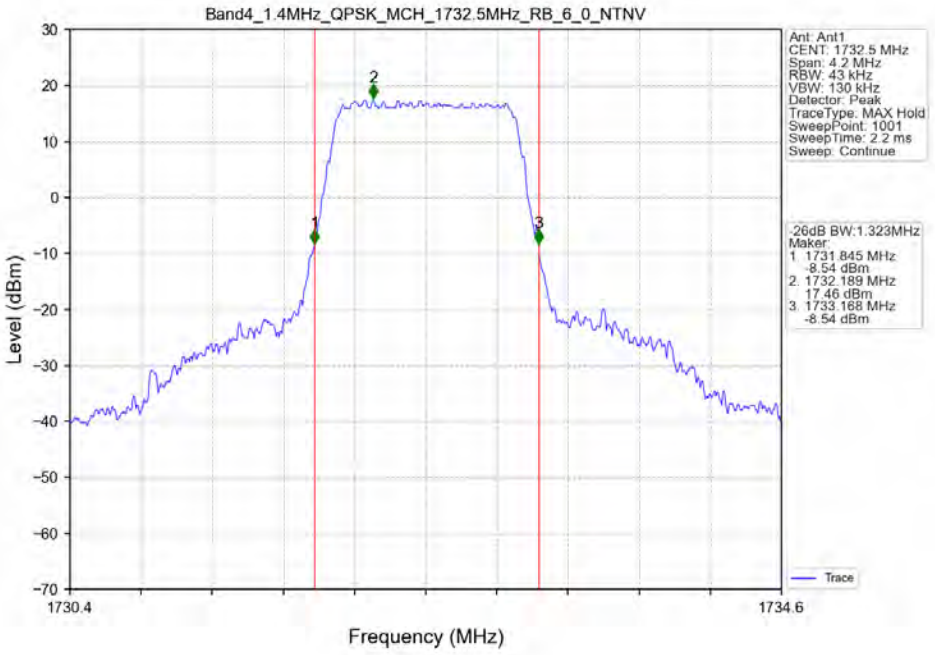
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



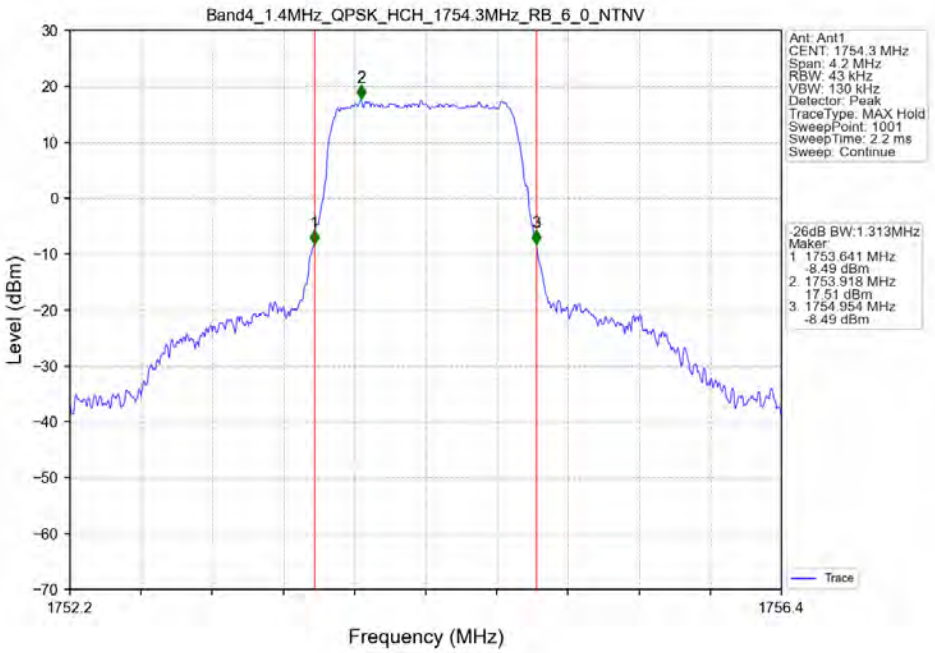
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



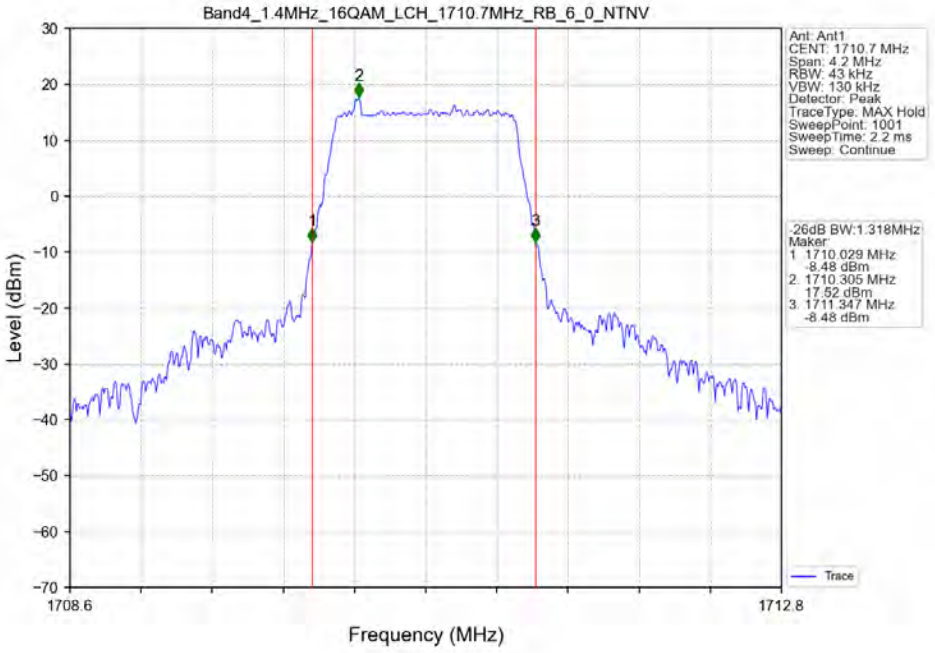
3.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


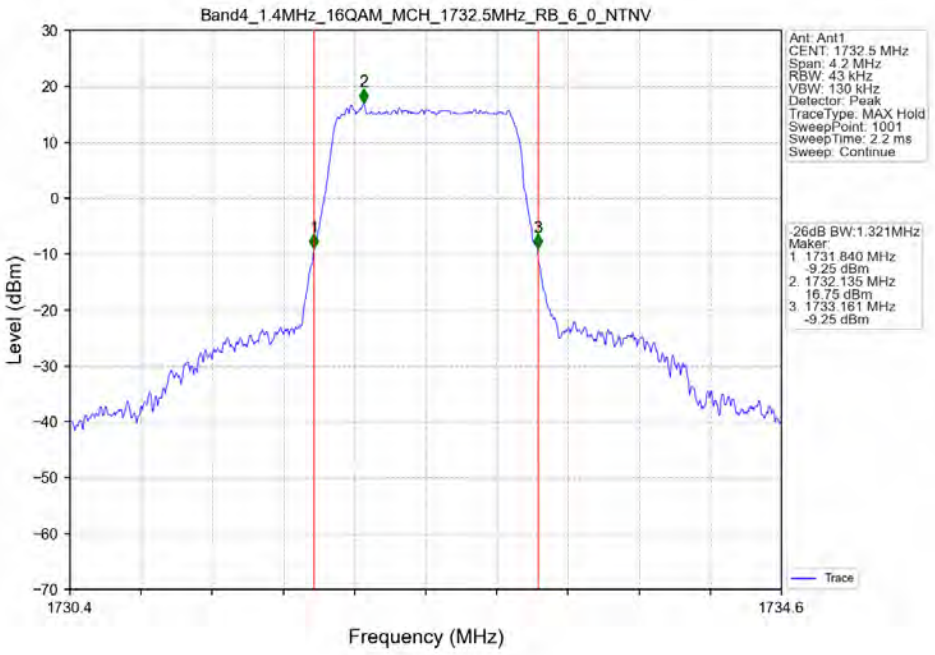
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



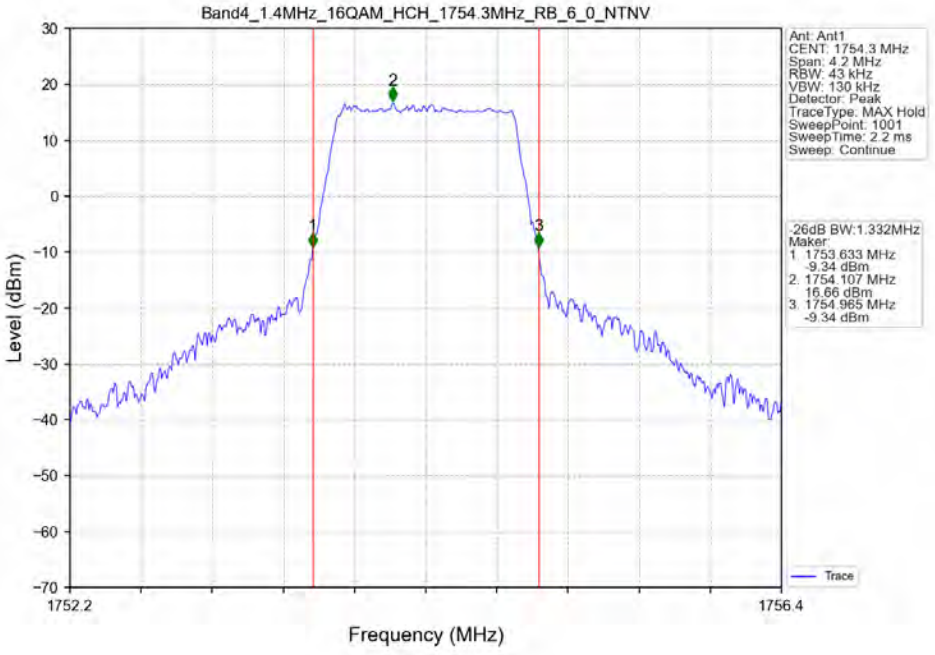
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



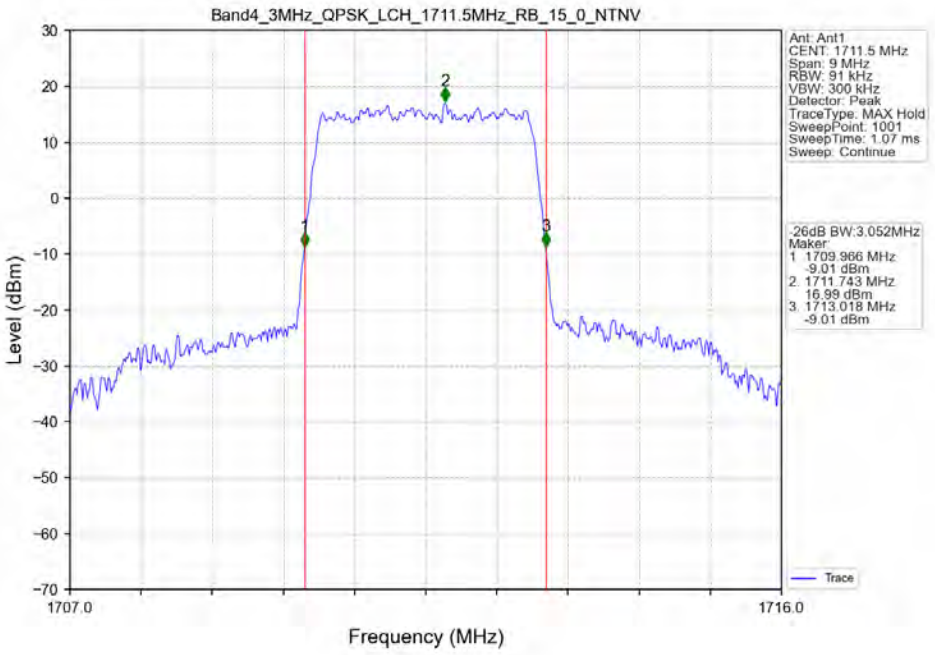
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



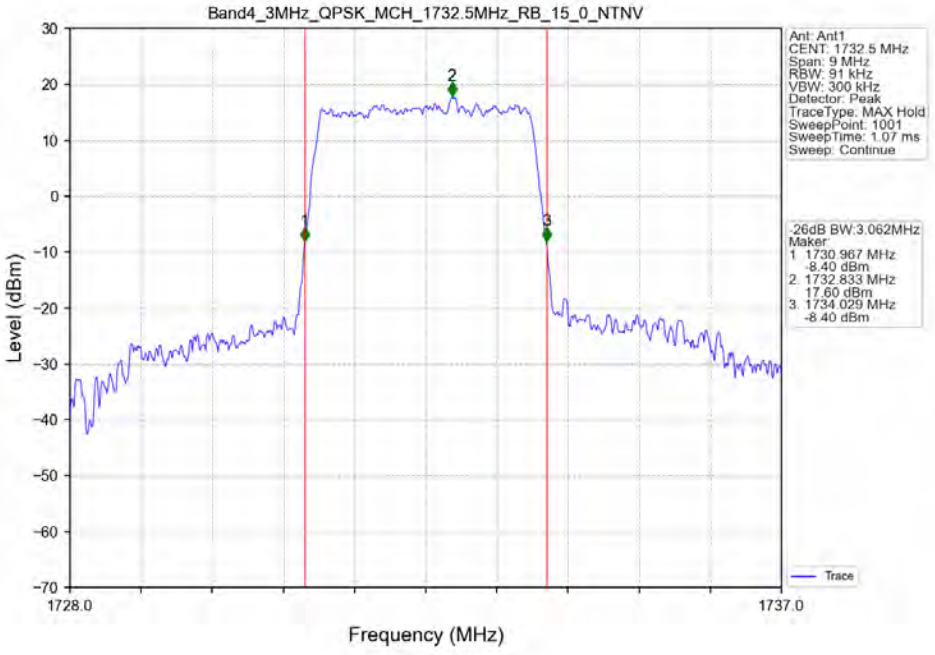
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

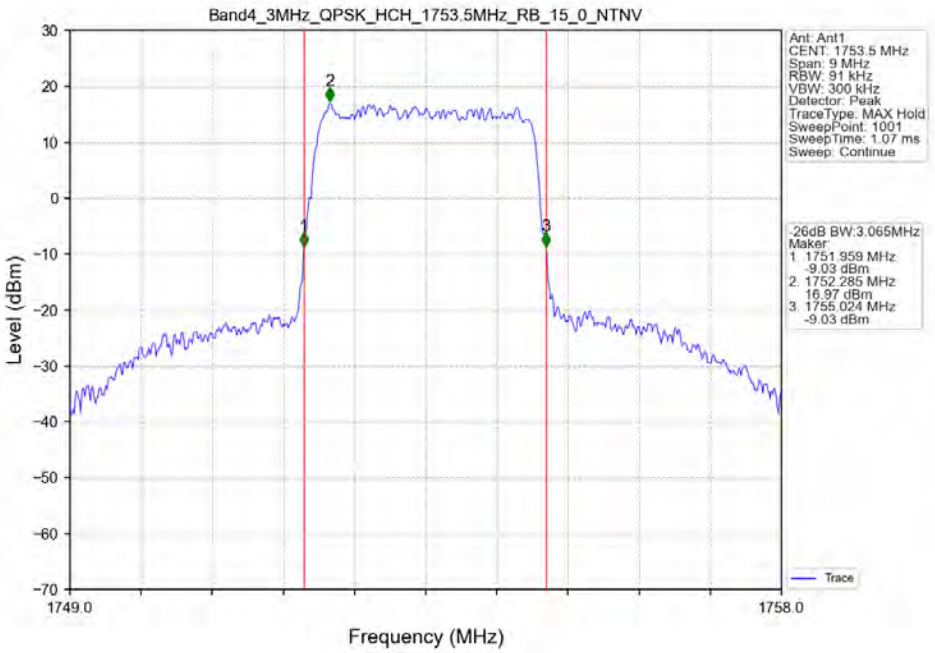


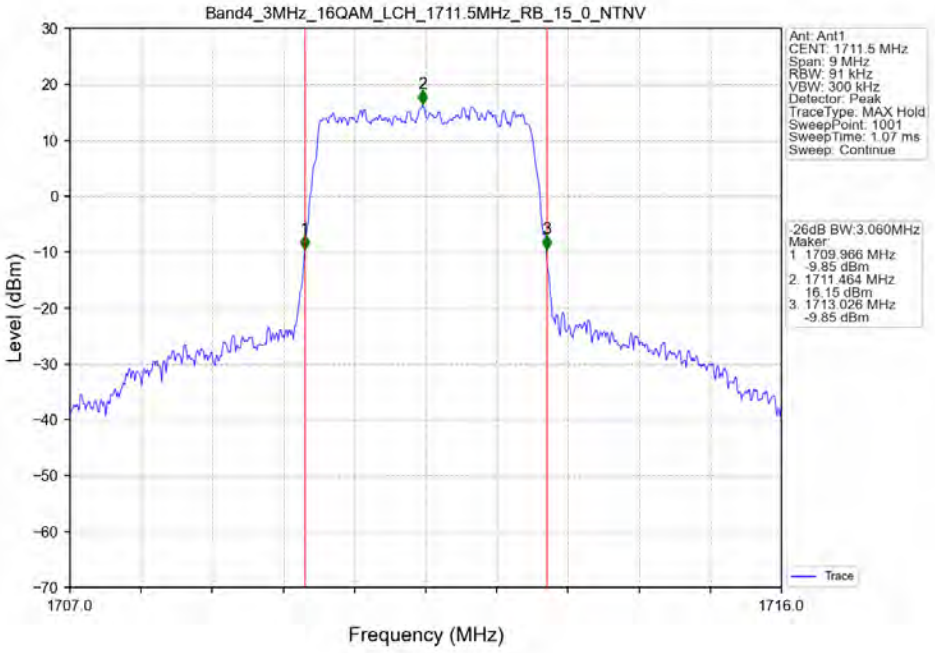
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



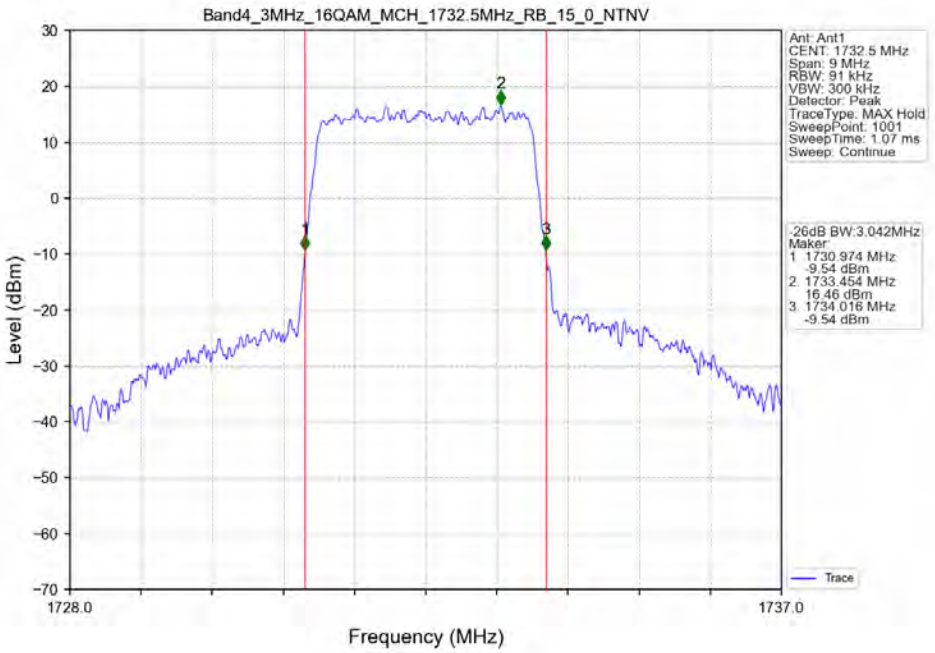
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



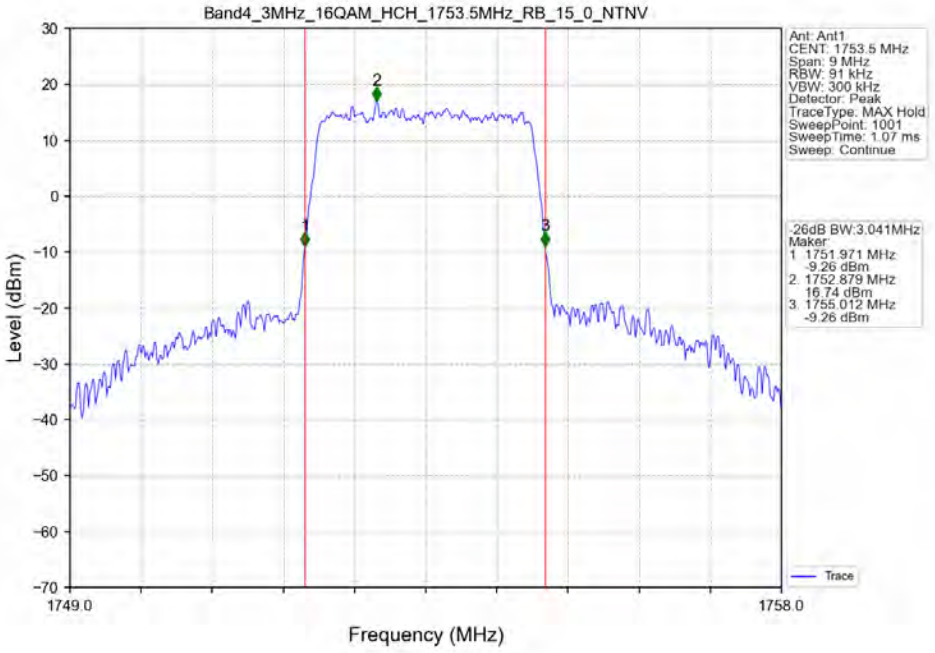
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV


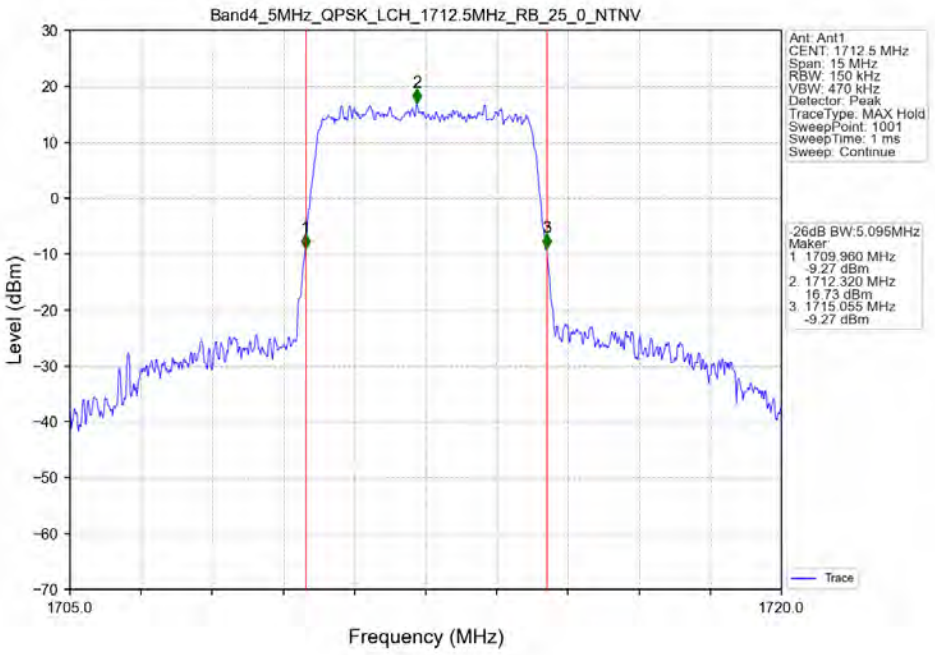
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



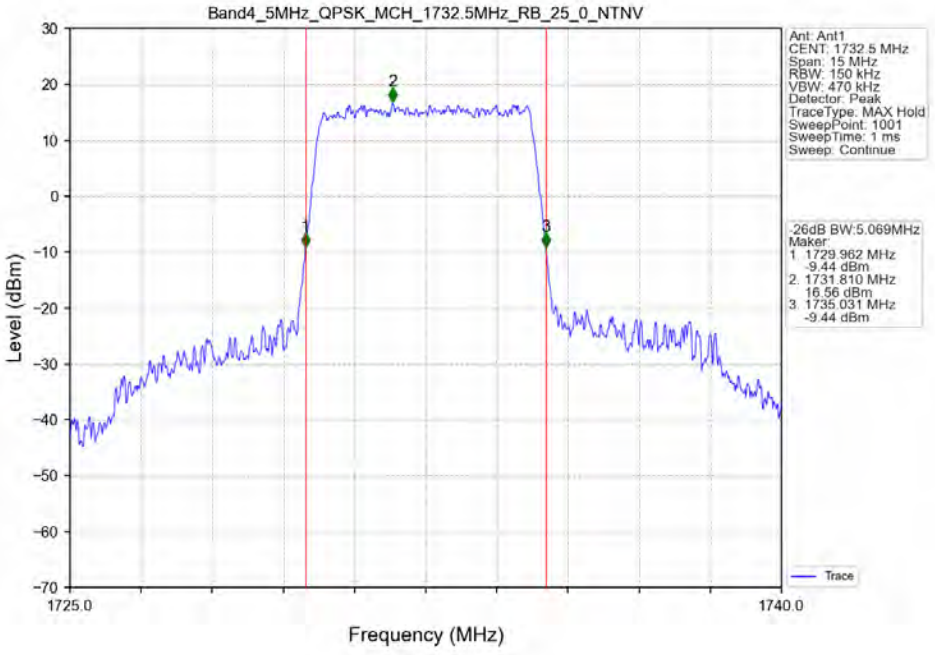
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



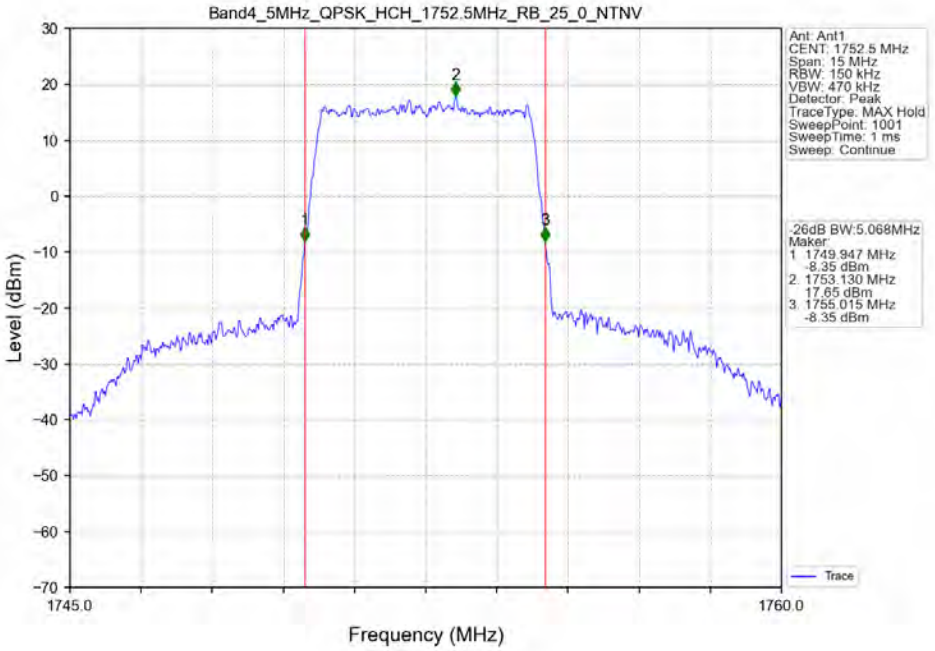
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



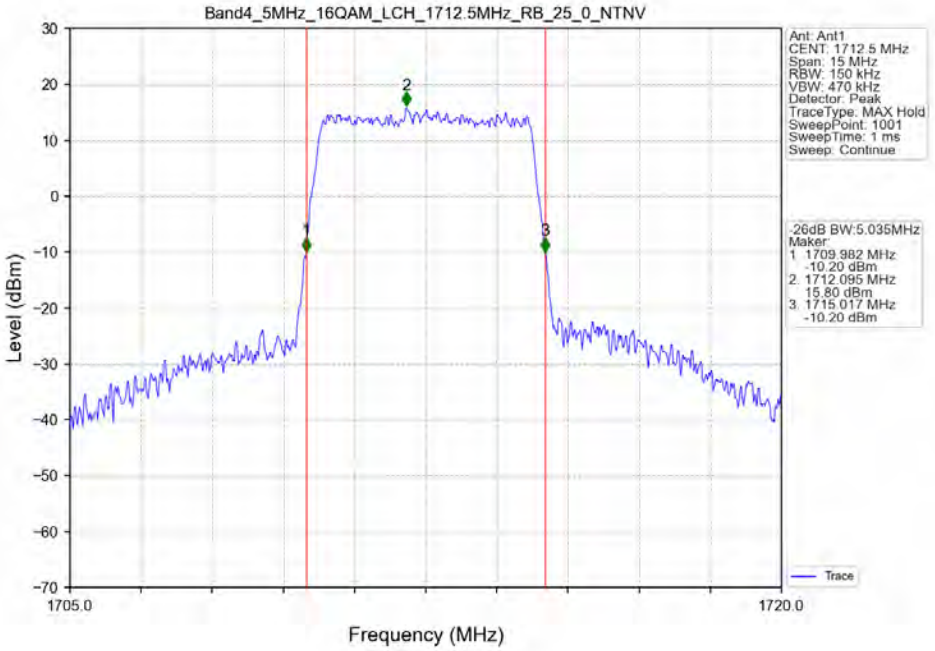
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



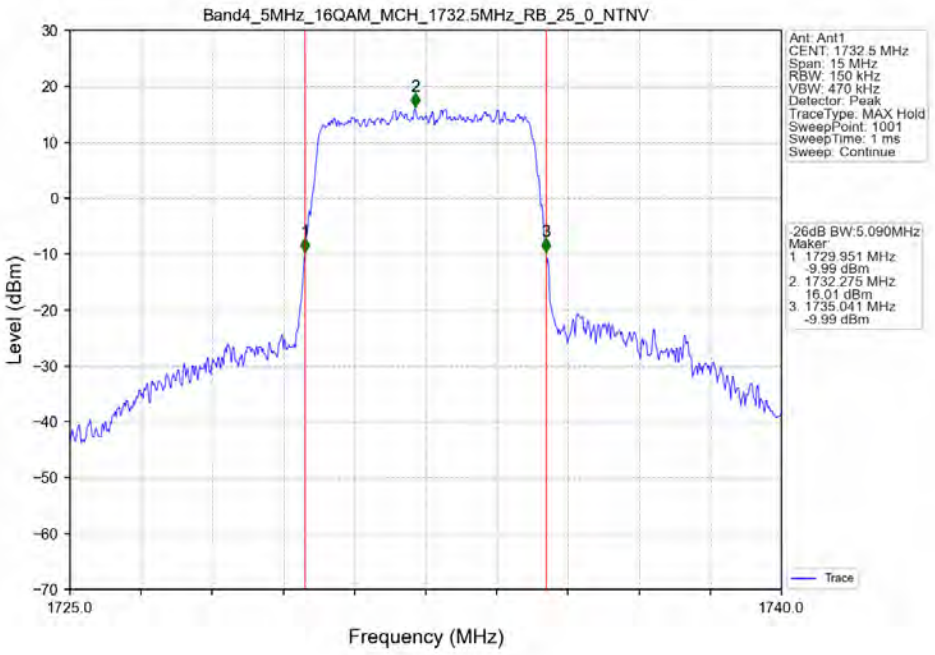
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



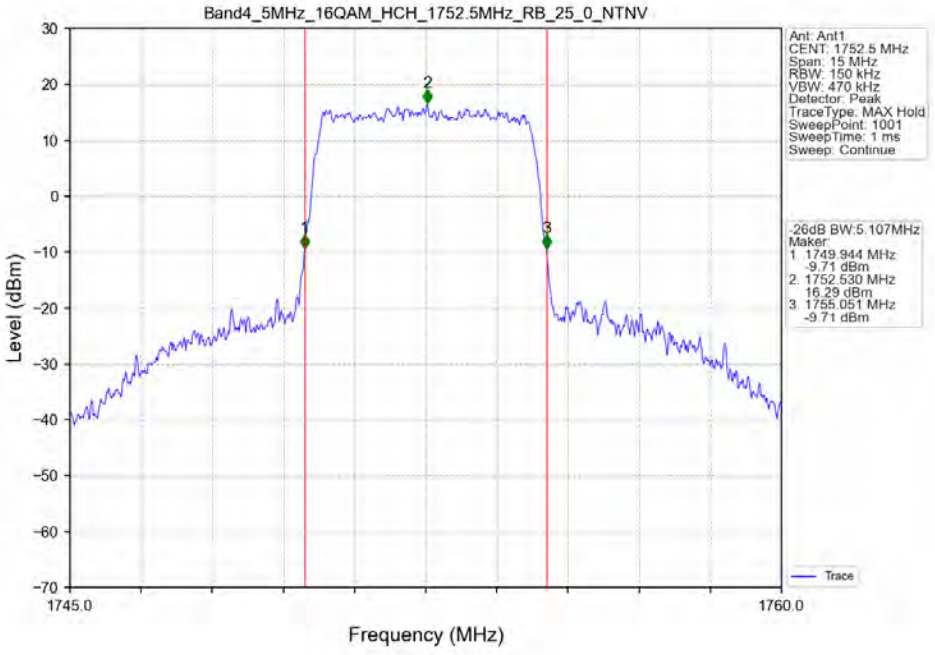
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



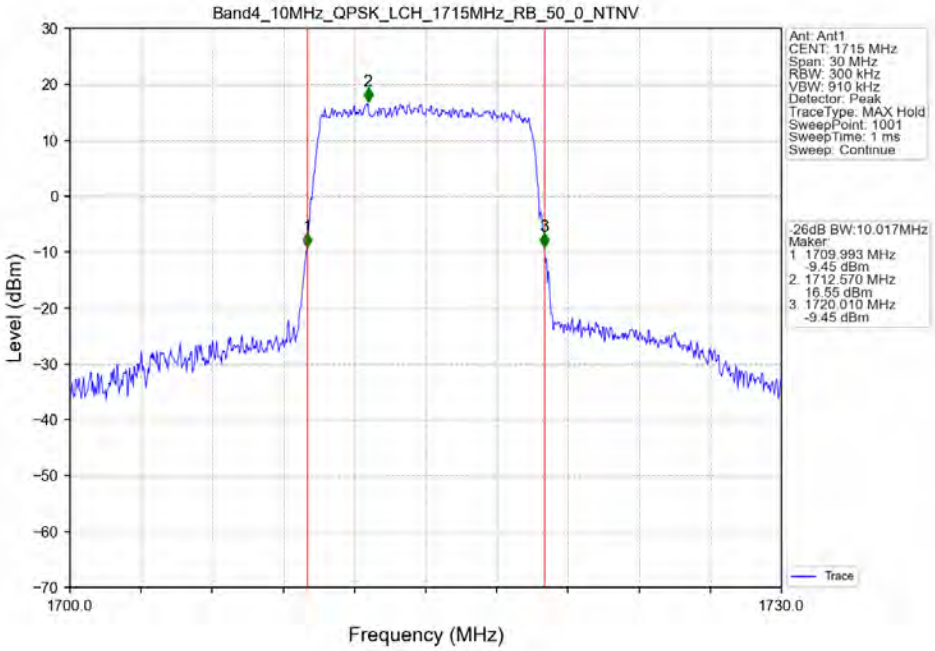
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



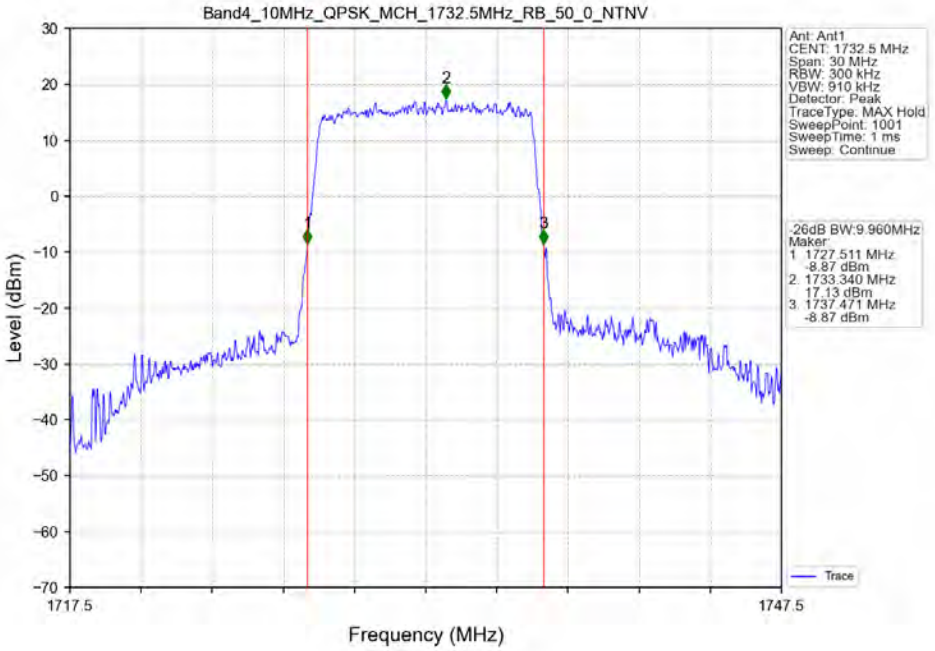
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



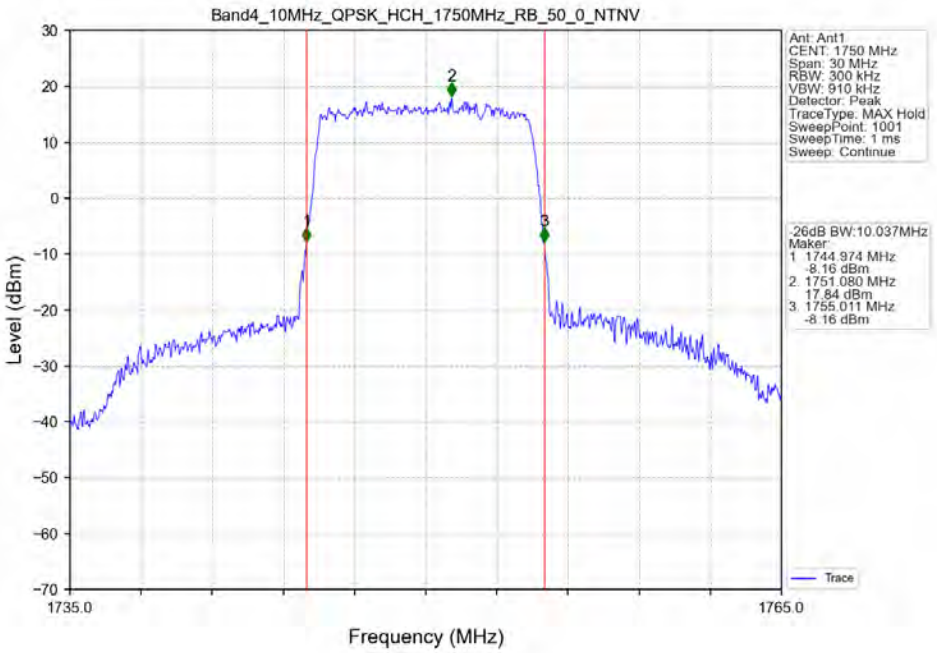
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



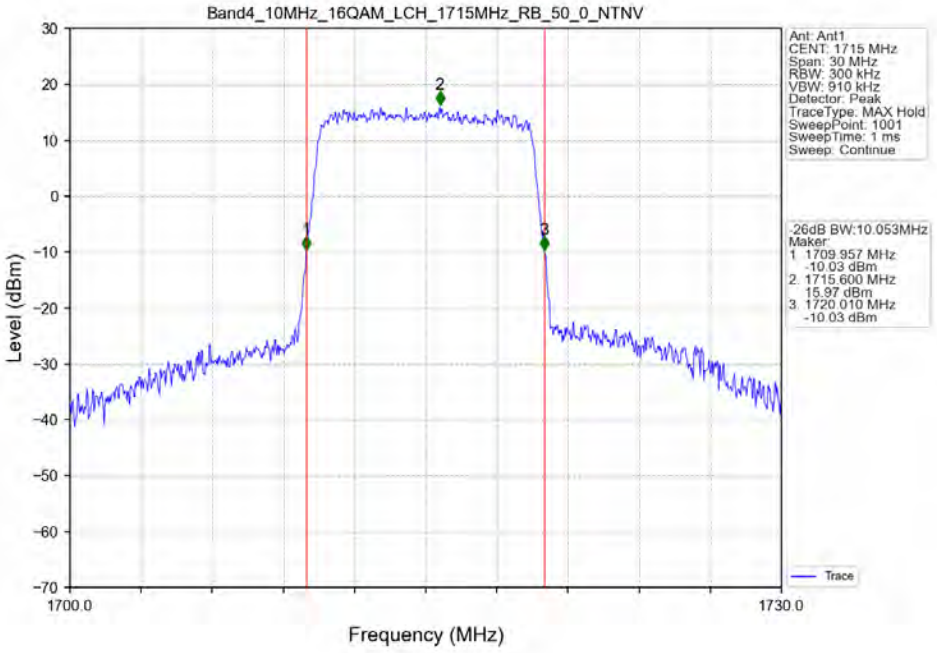
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



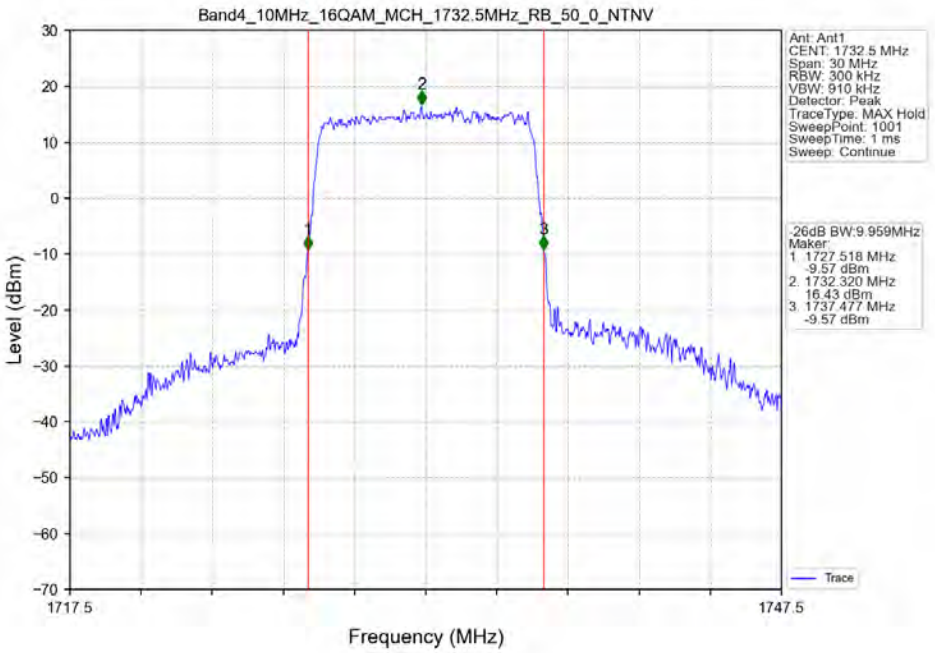
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



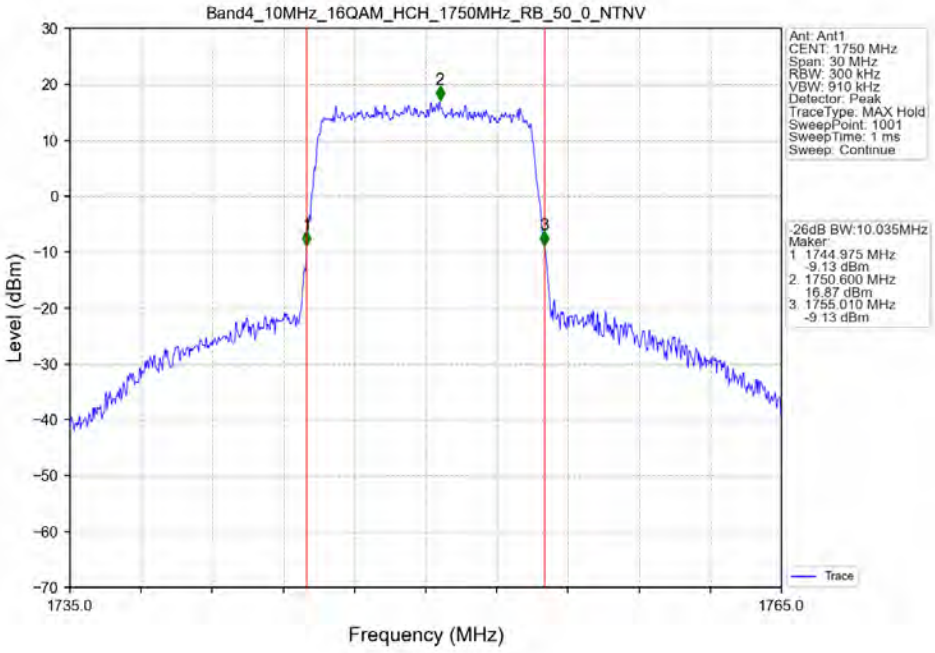
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



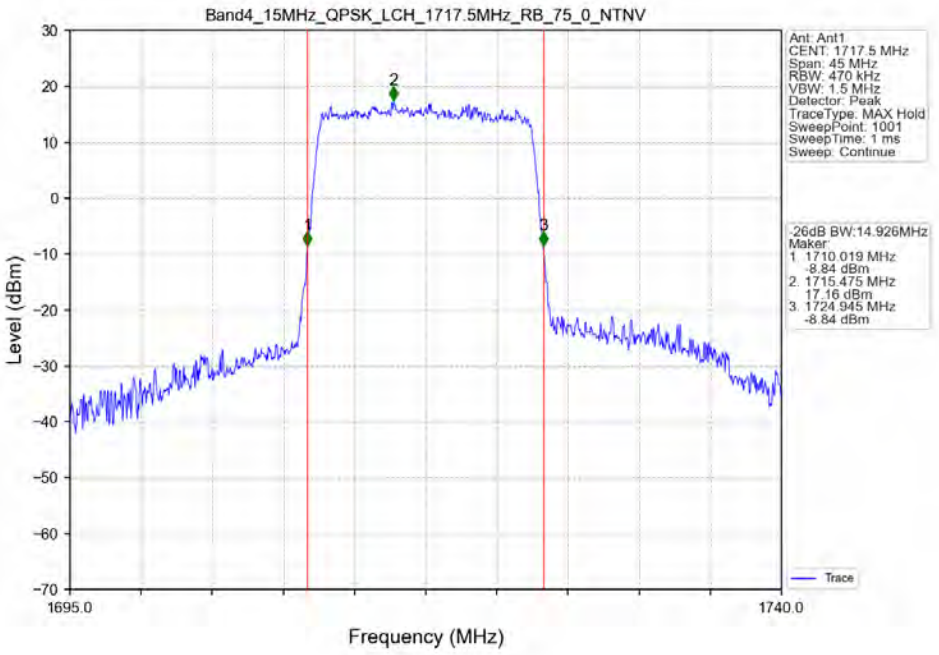
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



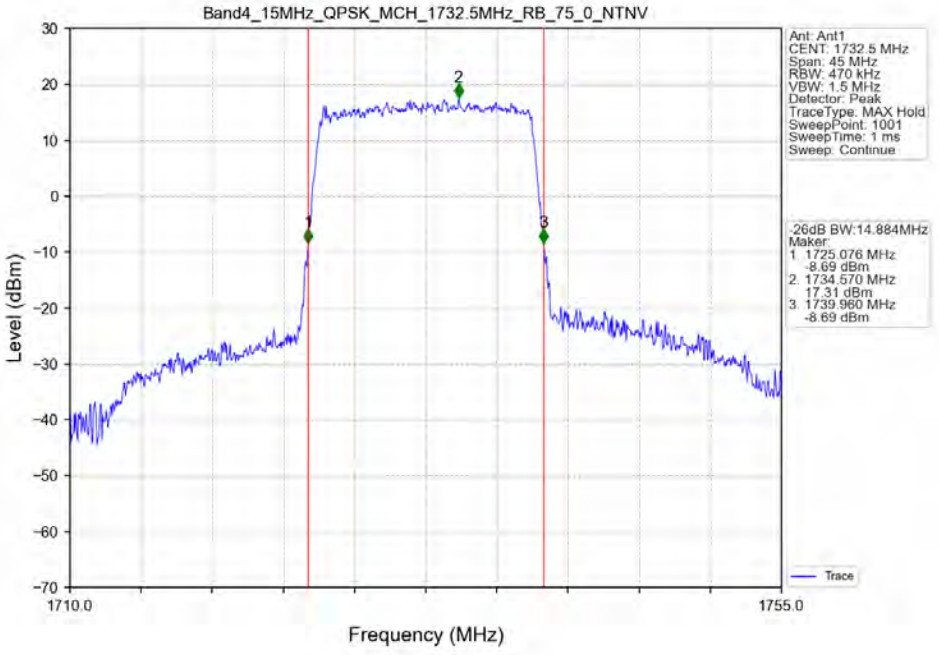
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



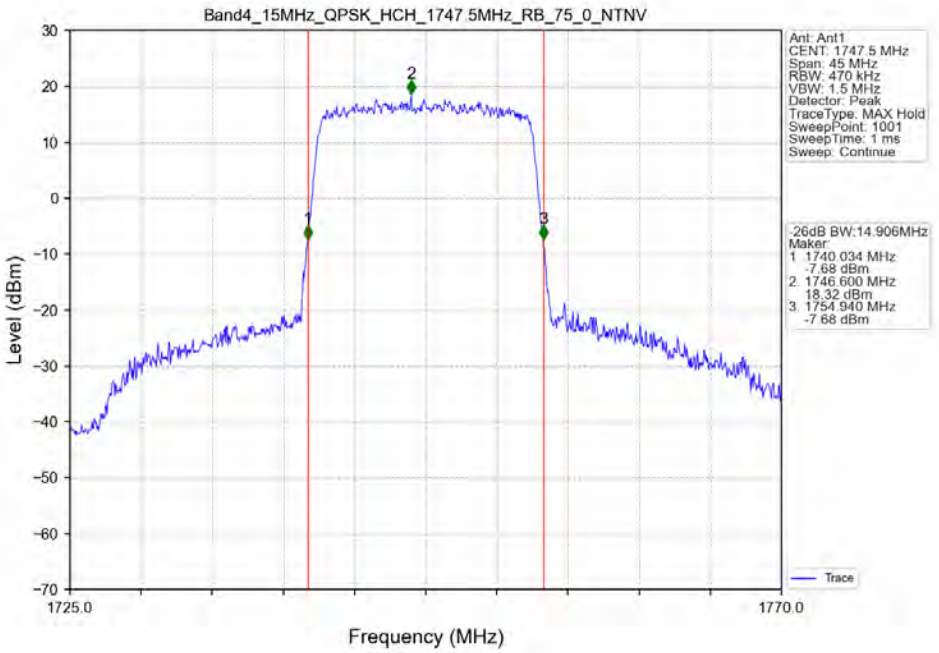
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



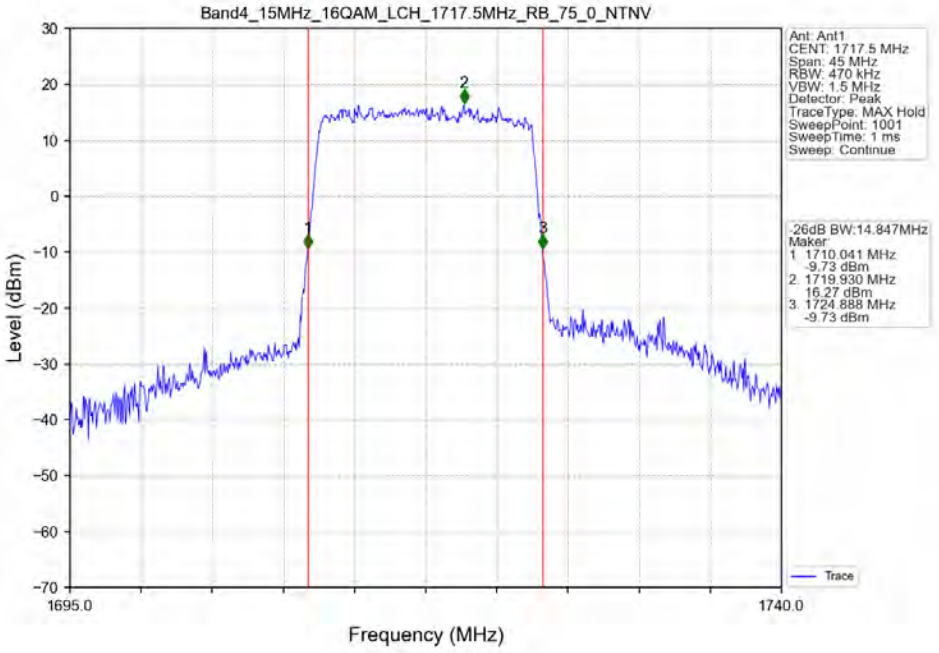
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



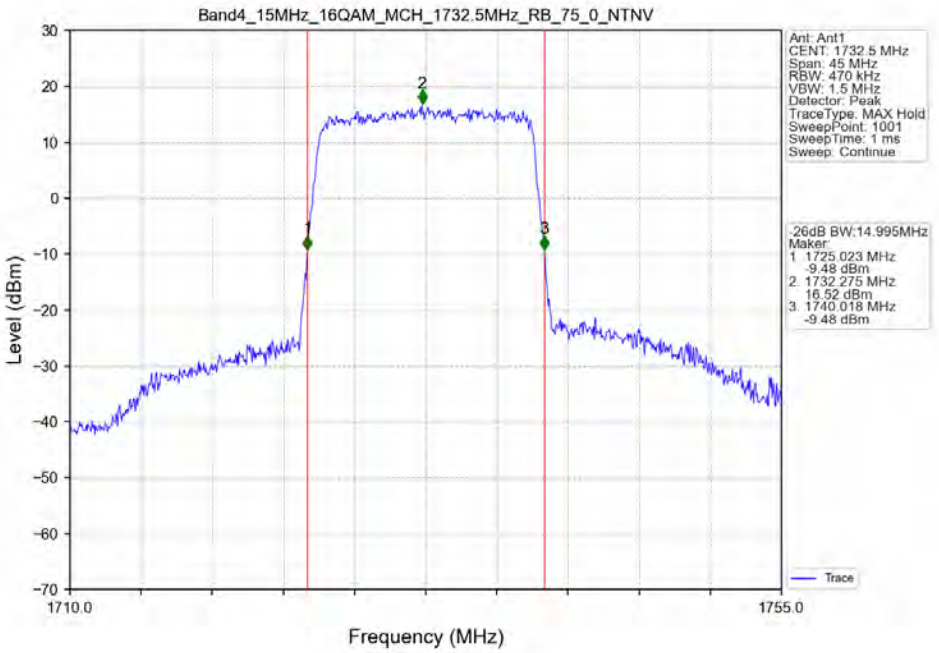
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



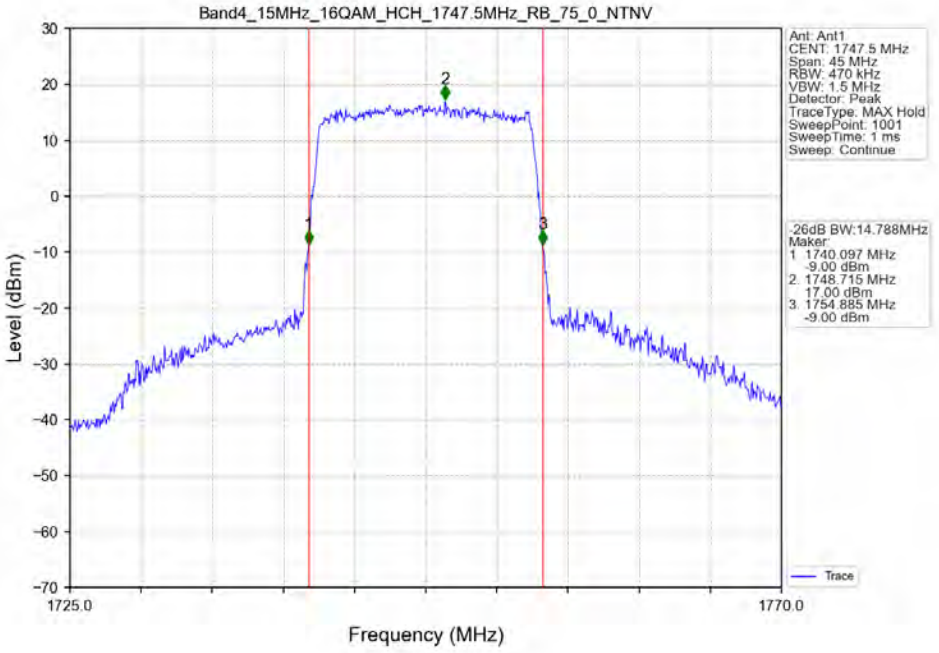
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



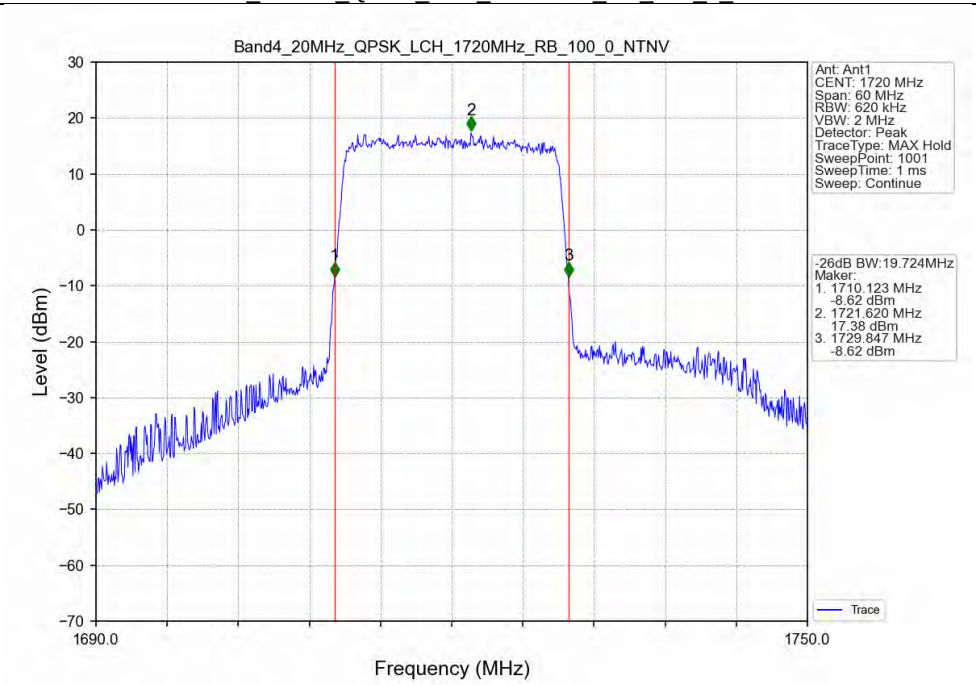
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



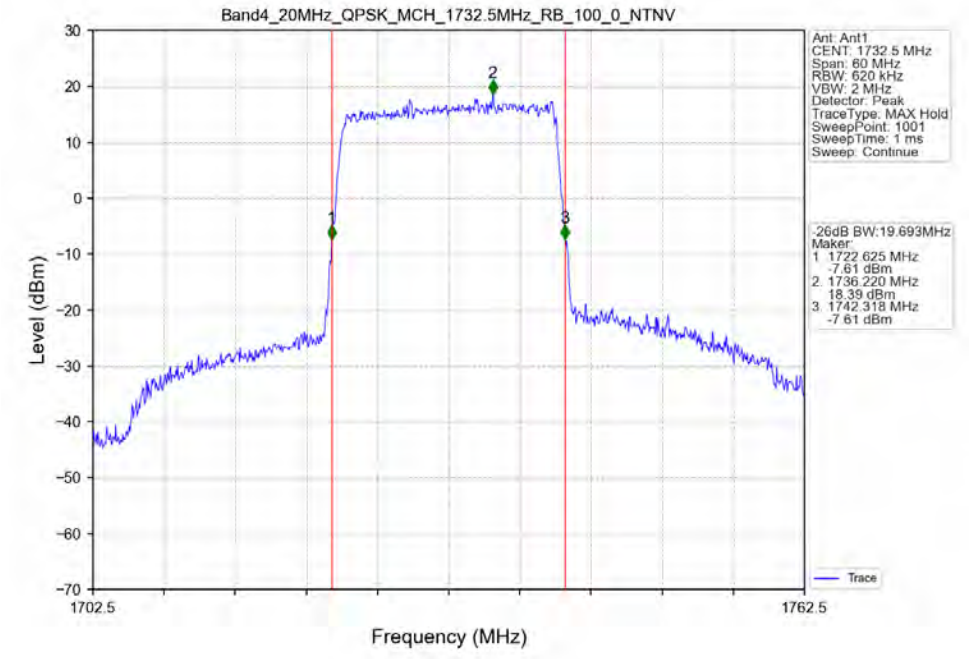
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



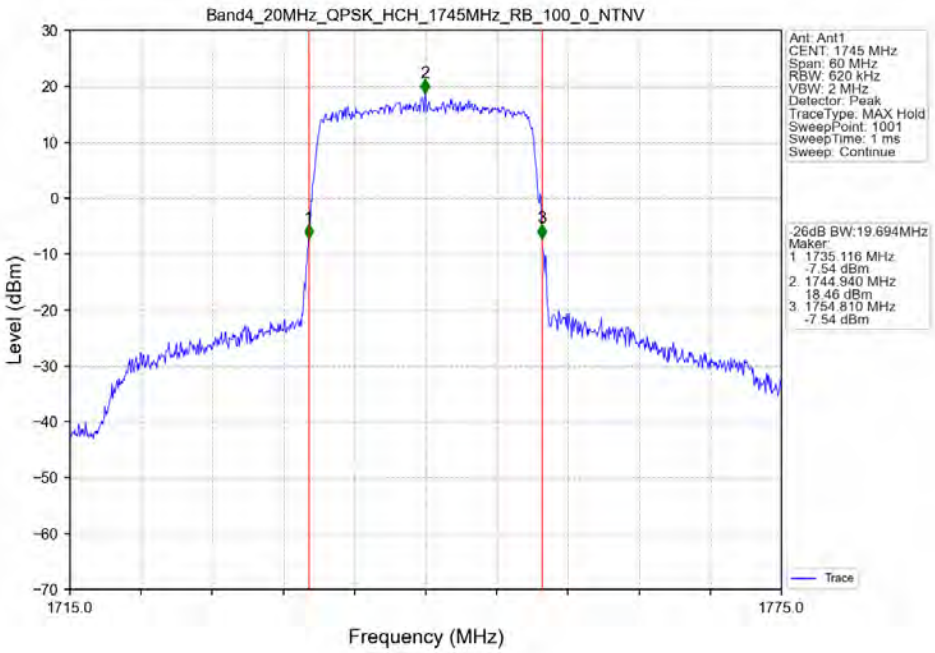
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



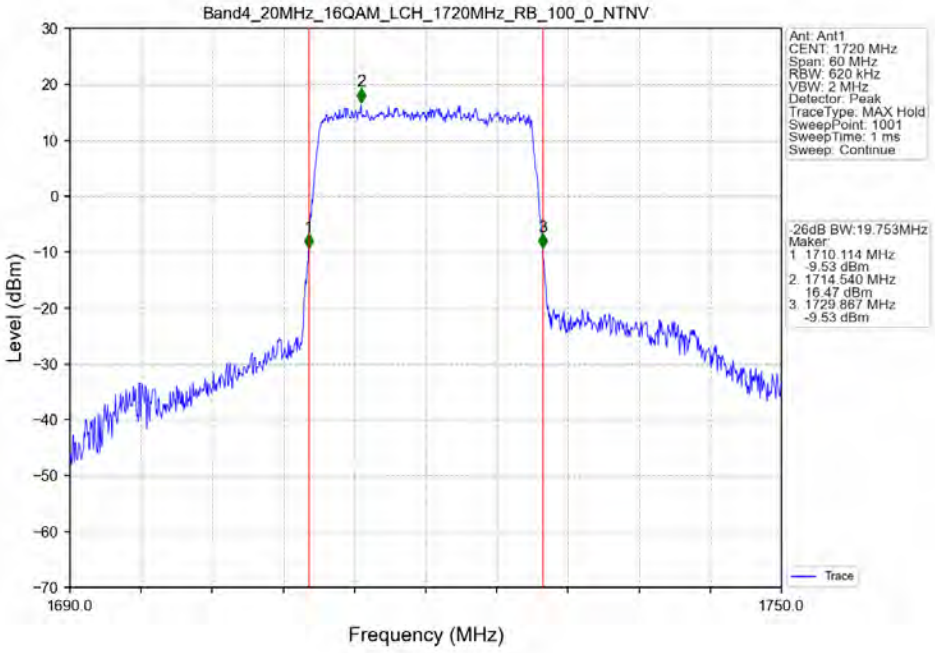
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



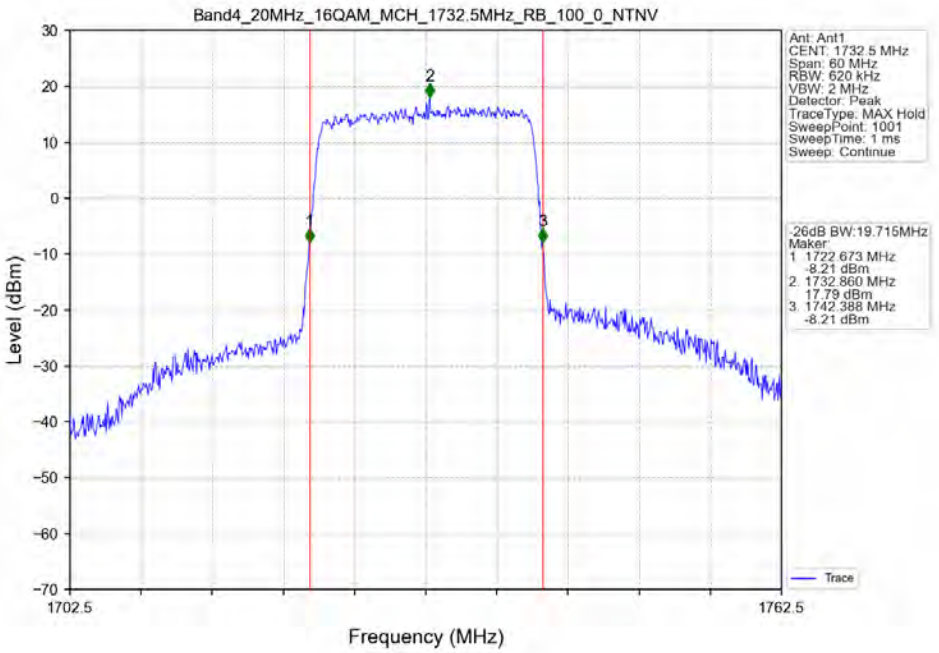
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



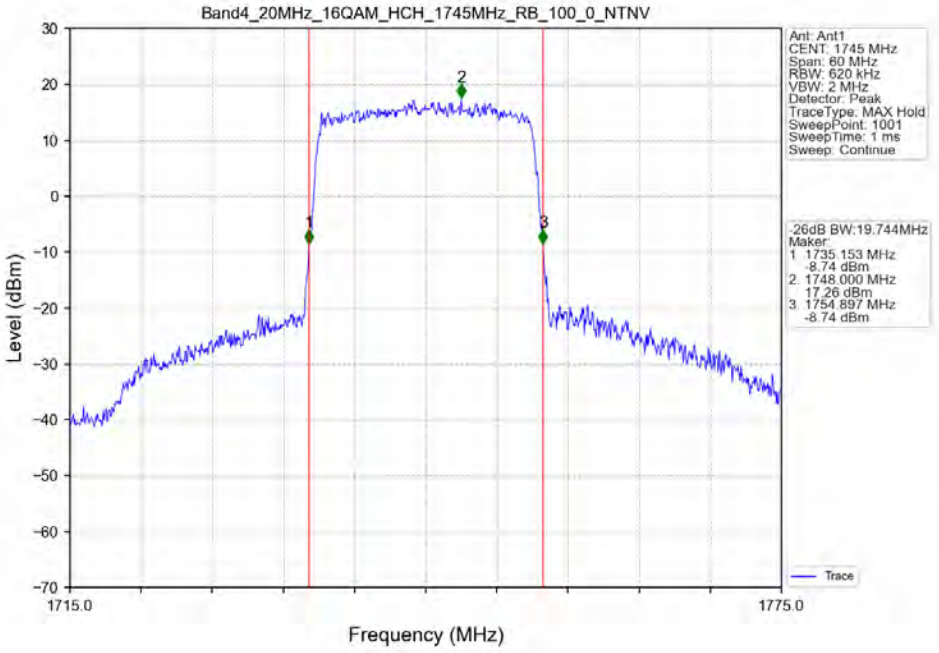
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



4. Peak-Average Ratio

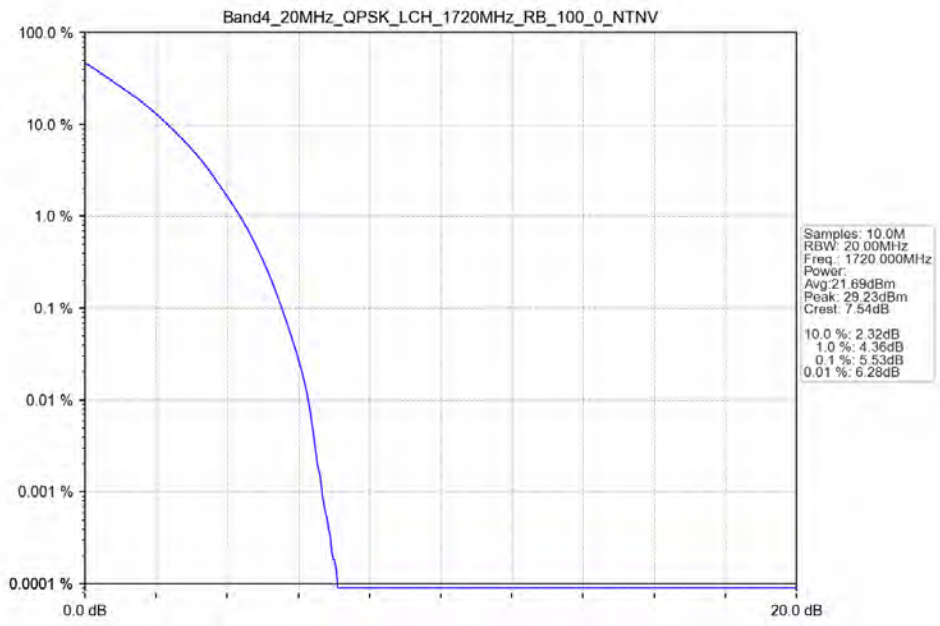
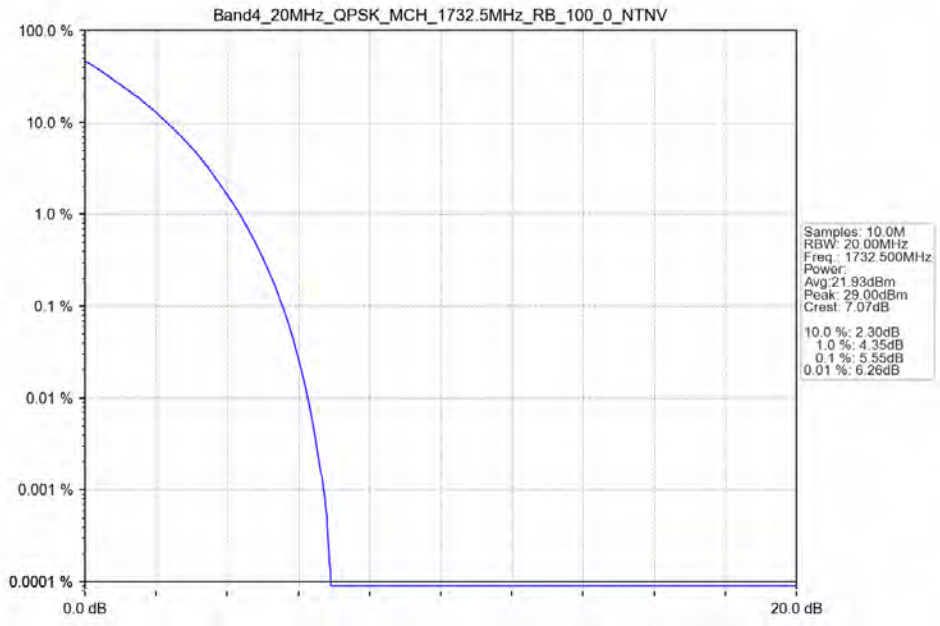
4.1 Test Result

4.1.1 B4_20MHz

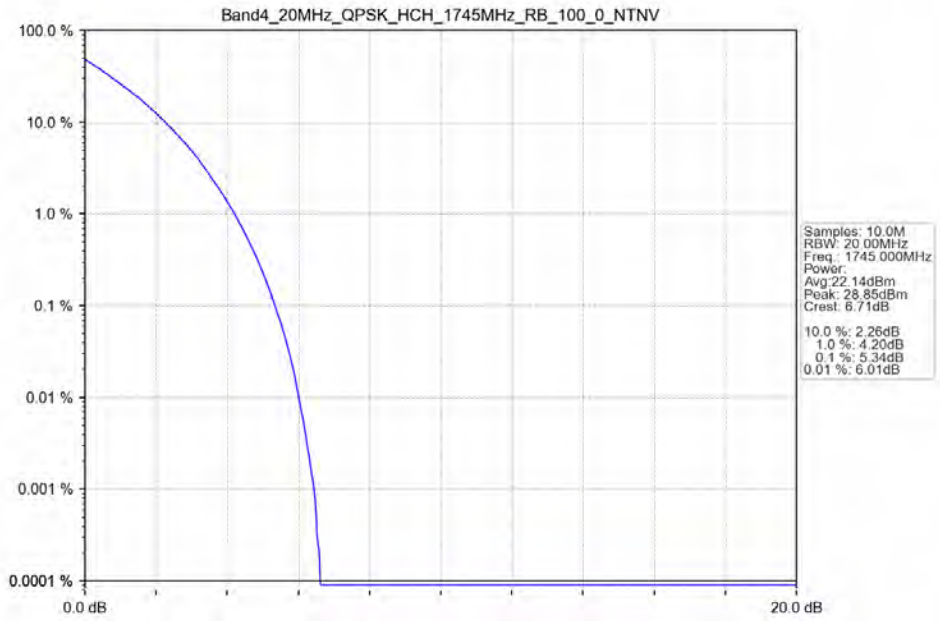
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.53	<=13	Pass
	1732.5	100	0	5.55	<=13	Pass
	1745	100	0	5.34	<=13	Pass
16QAM	1720	100	0	6.32	<=13	Pass
	1732.5	100	0	6.31	<=13	Pass
	1745	100	0	6.08	<=13	Pass

4.2 Test Graph

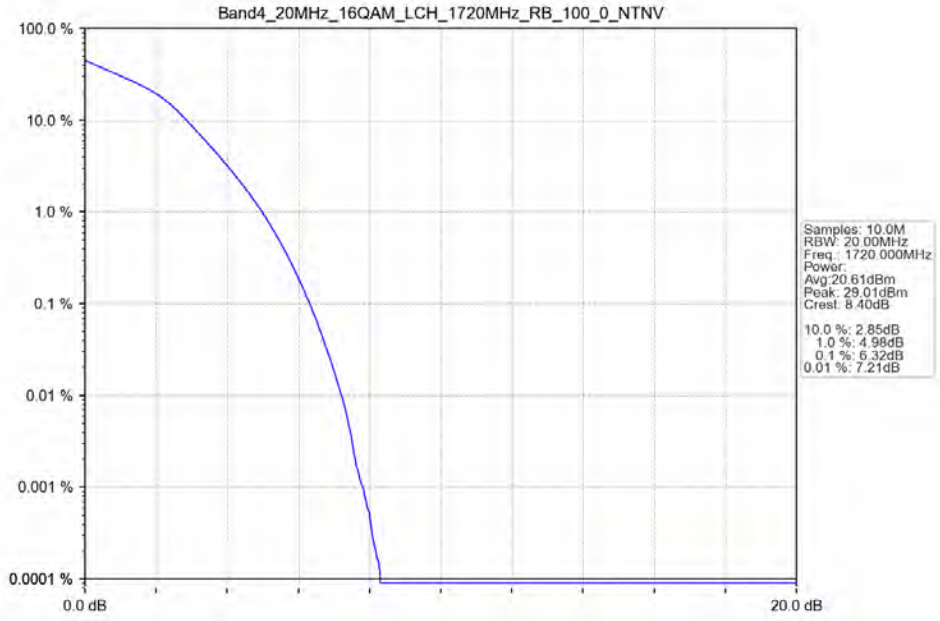
4.2.1 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV


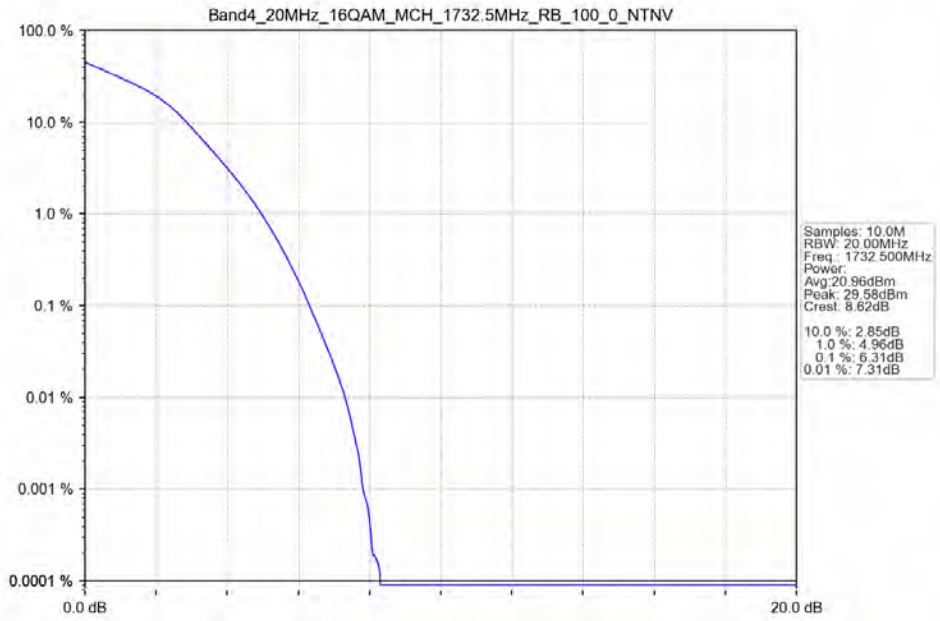
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



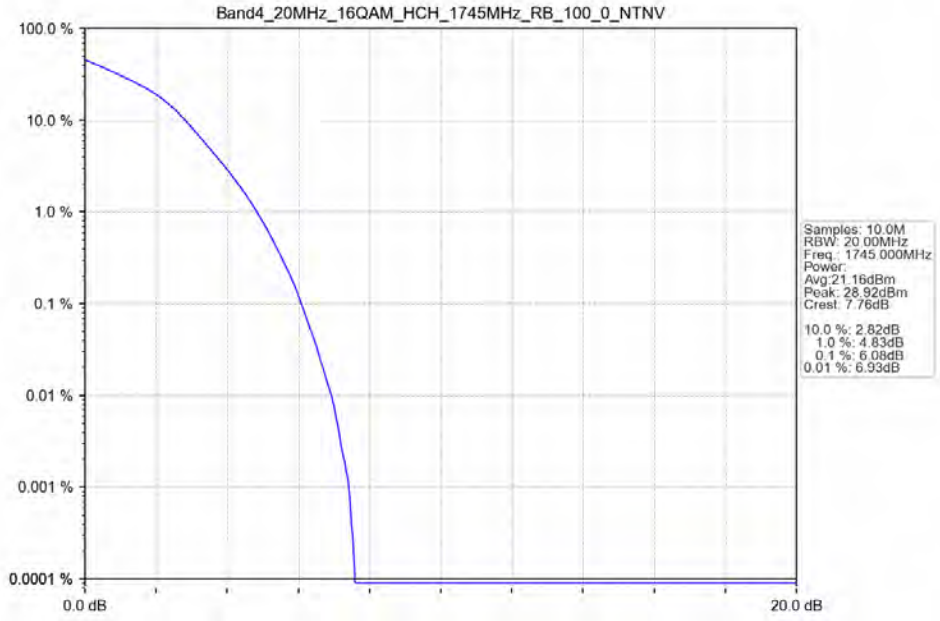
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Spurious Emission & Band Edges

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		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
	1754.3	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
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B4_3MHz

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

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
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
	1752.5	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

5.1.4 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
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.5 B4_15MHz

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

5.1.6 B4_20MHz

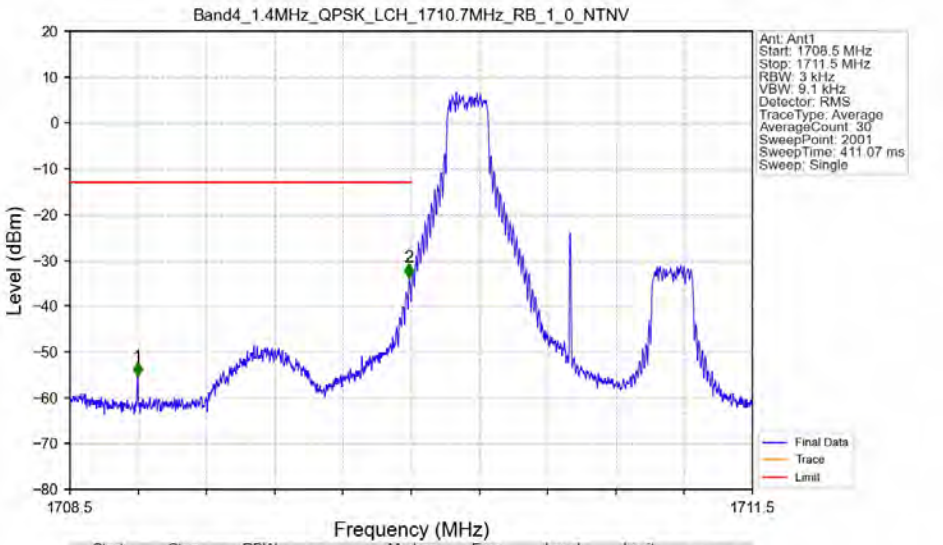
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

	1732.5	1	0	Refer To Test Graph	Pass
	1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

5.2 Test Graph

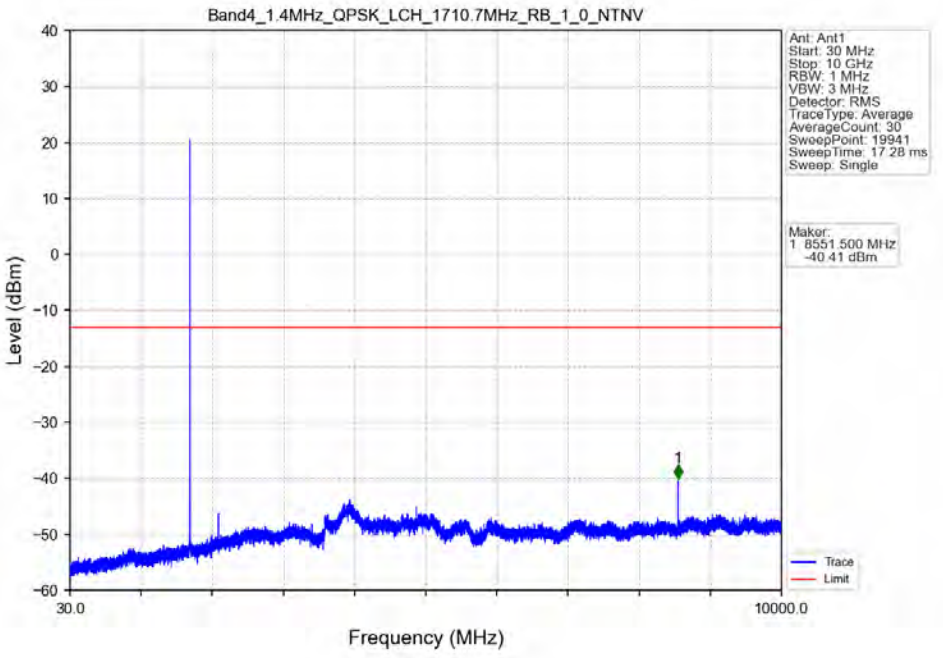
5.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

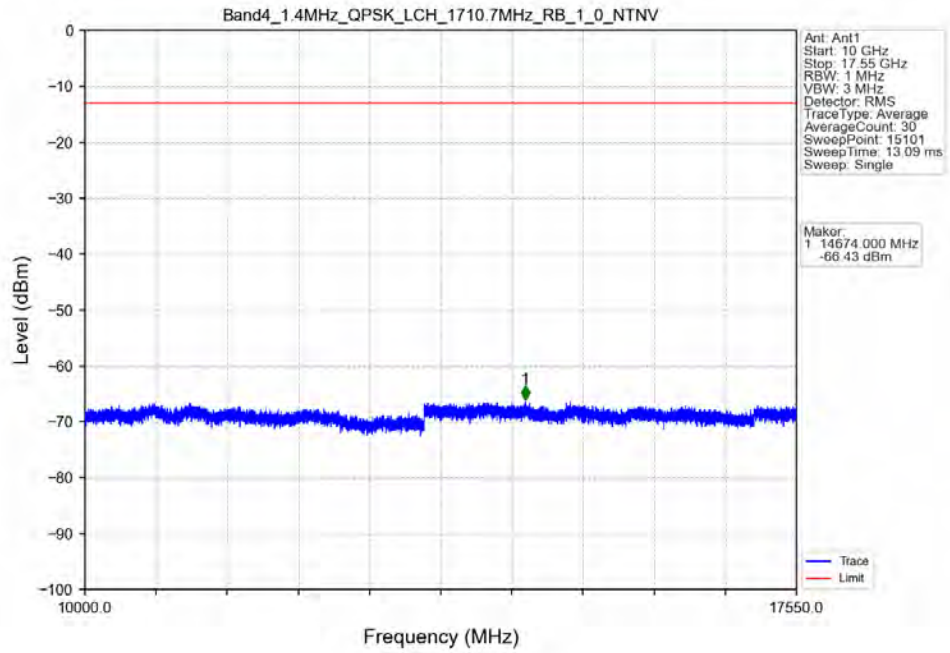


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.797	-55.35	-13	Pass
1709	1710	0.003	/	2	1709.991	-33.72	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

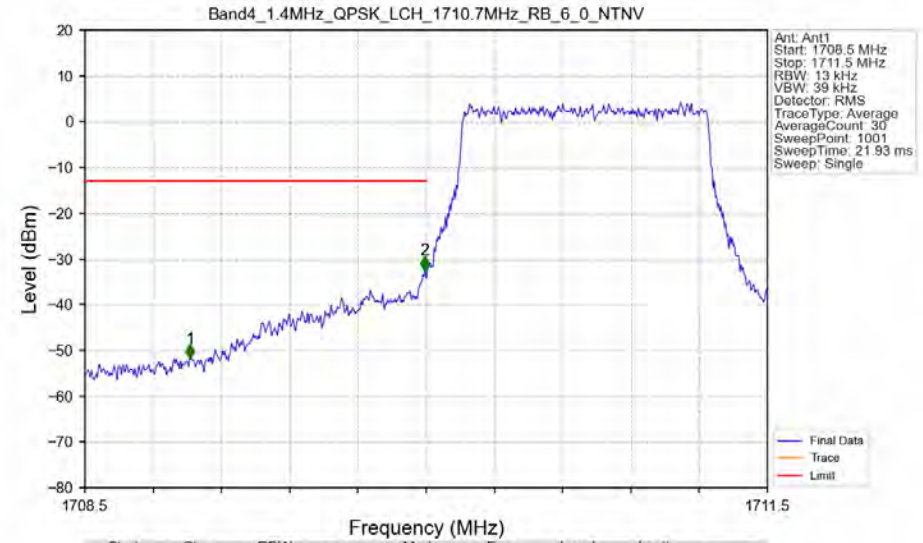
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

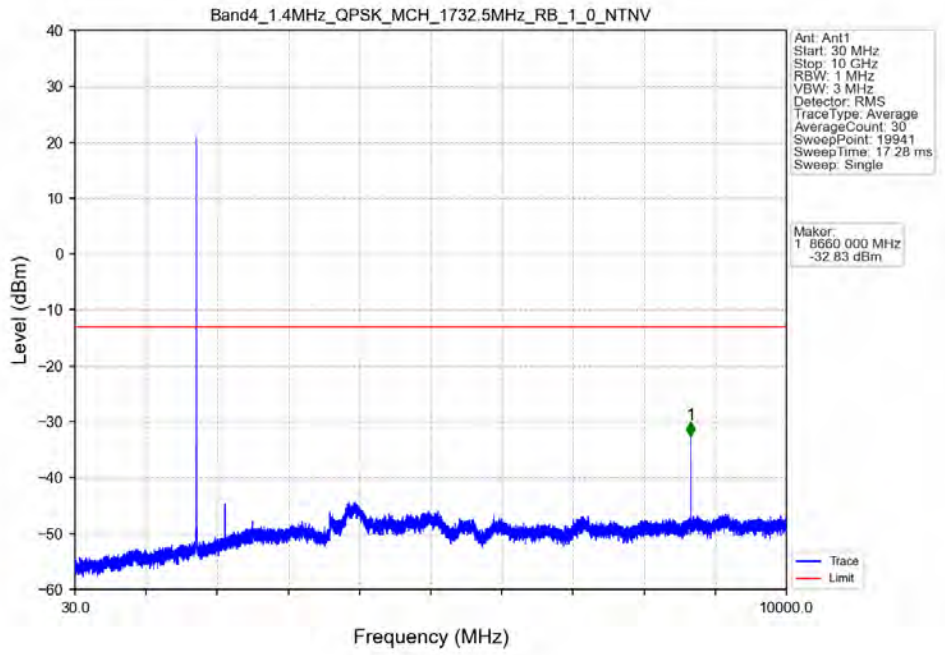


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

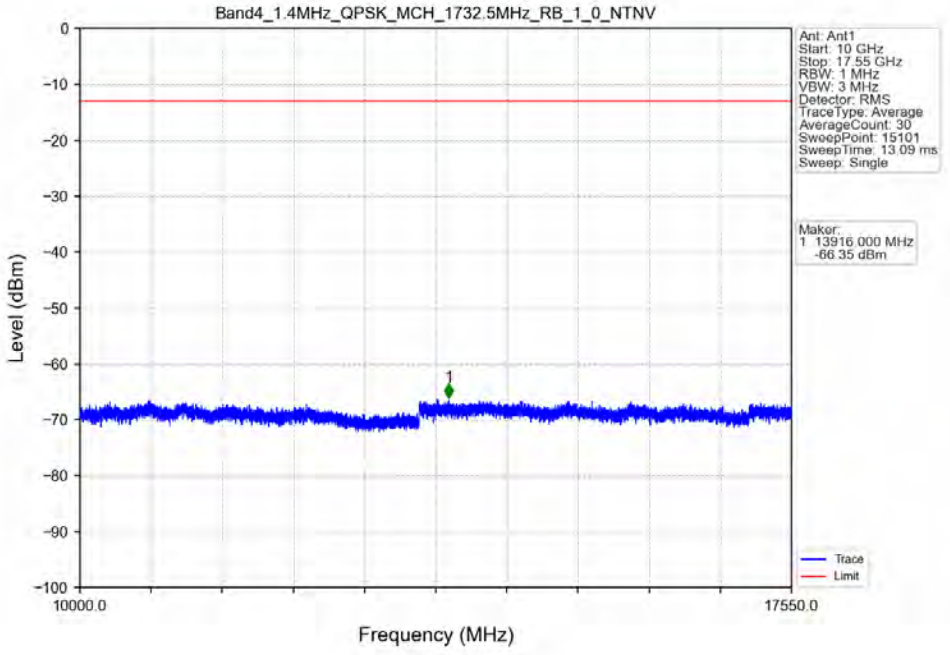


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.962	-51.73	-13	Pass
1709	1710	0.013	/	2	1709.994	-32.46	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

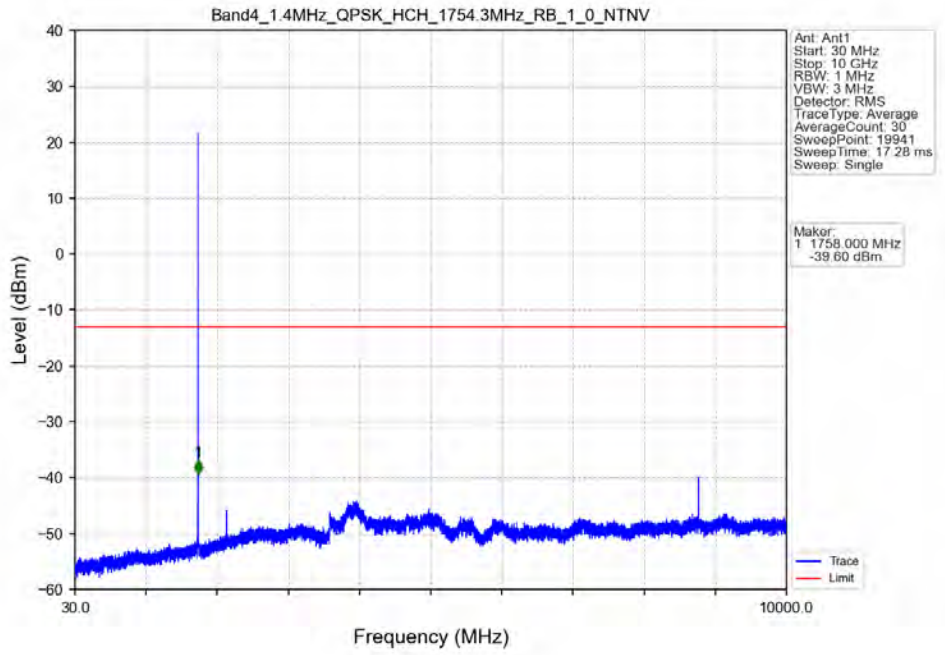
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



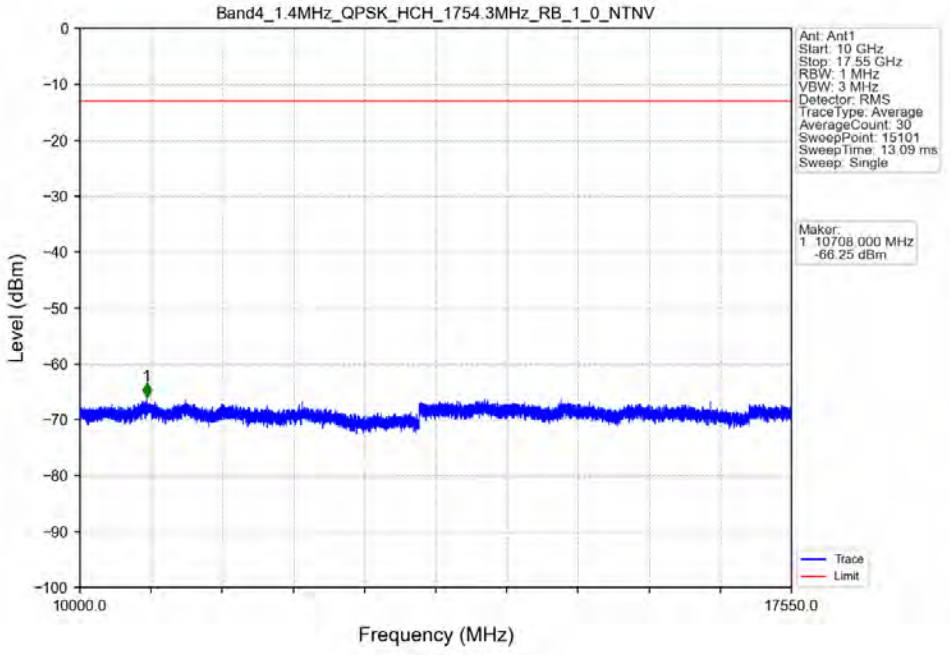
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



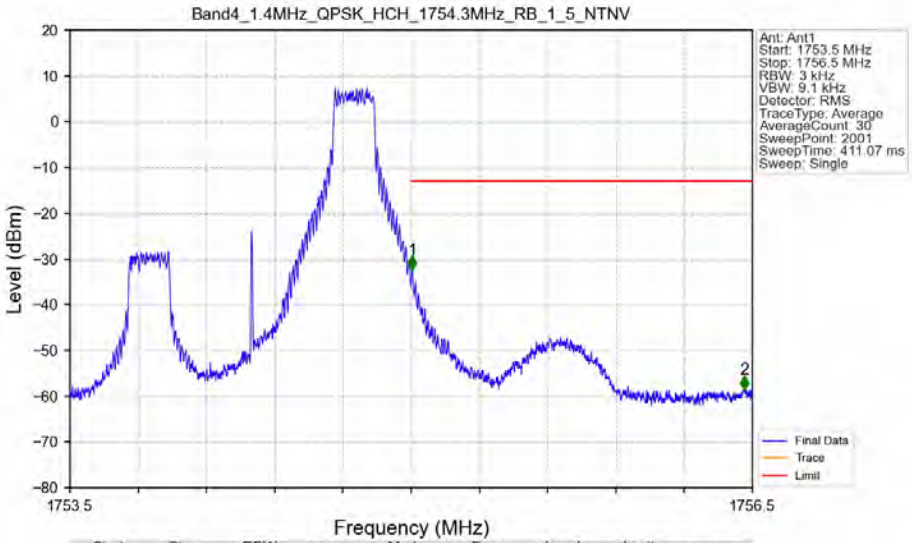
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

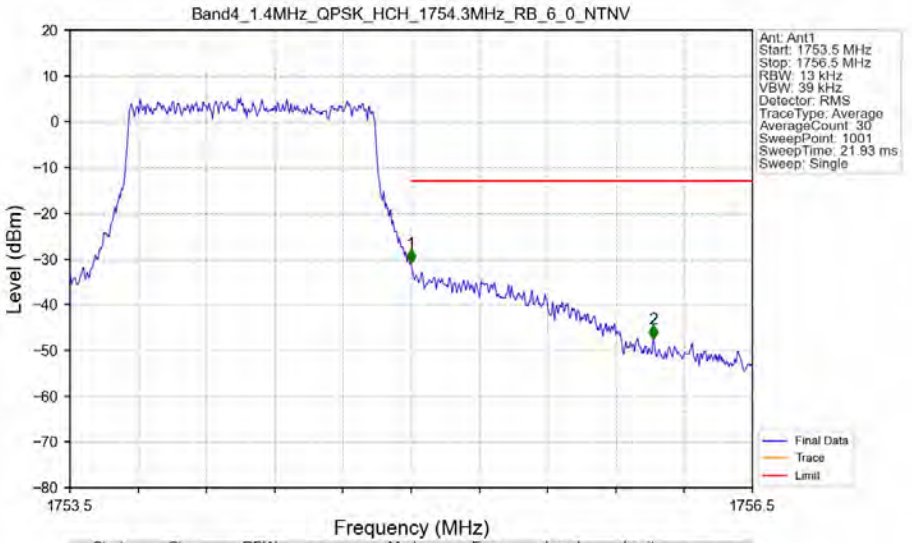


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



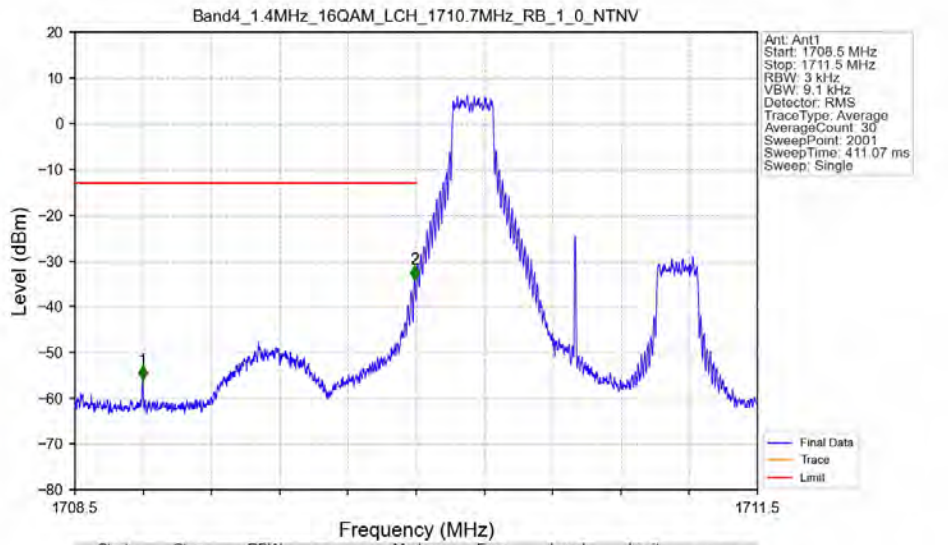
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-32.46	-13	Pass
1756	1756.5	1	/	2	1756.464	-58.57	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



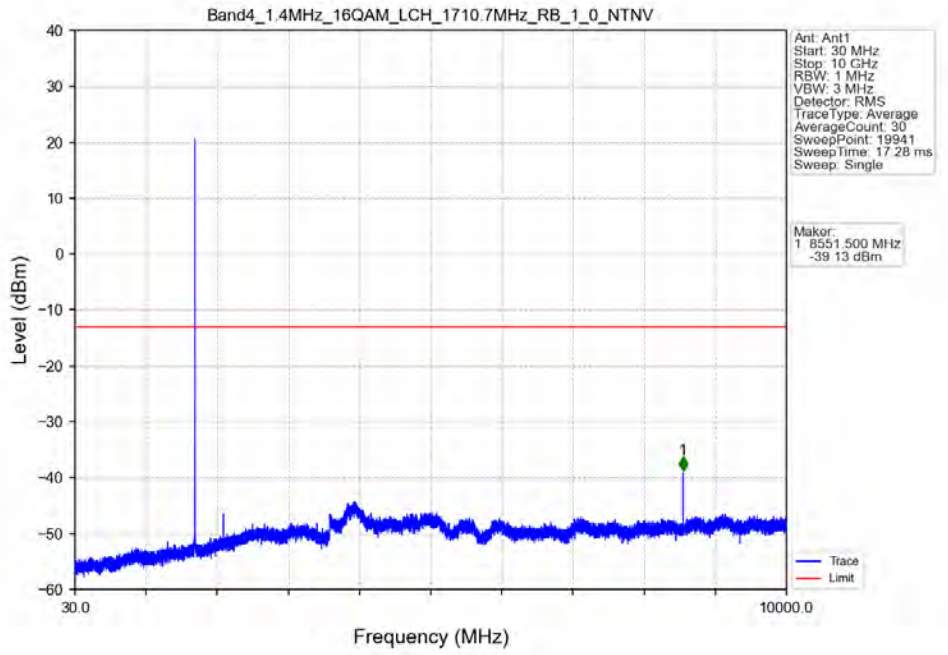
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.000	-31.05	-13	Pass
1756	1756.5	1	/	2	1756.065	-47.50	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

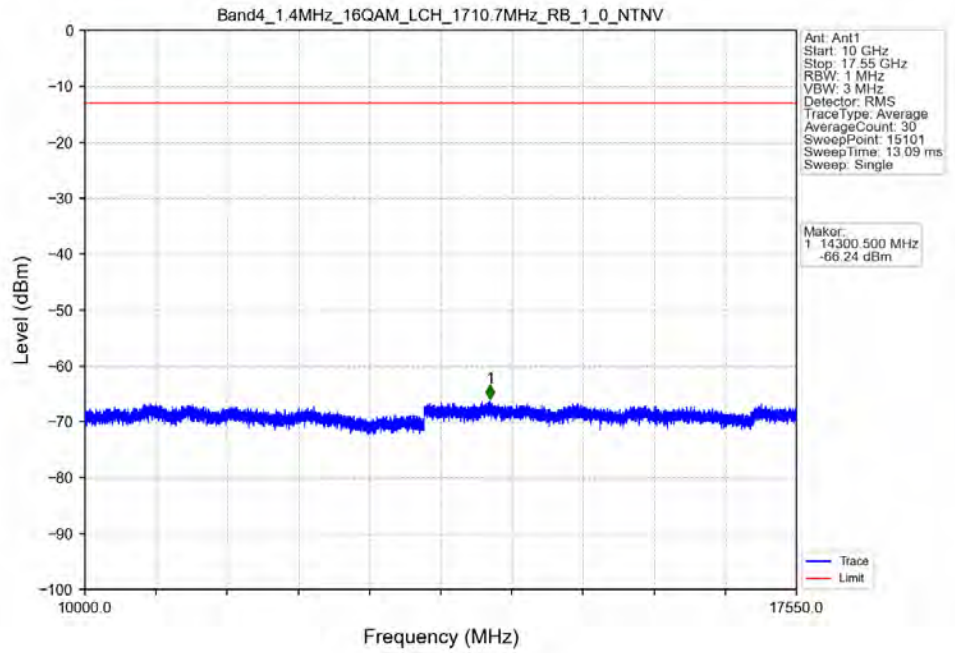


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.797	-56.01	-13	Pass
1709	1710	0.003	/	2	1709.994	-34.06	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

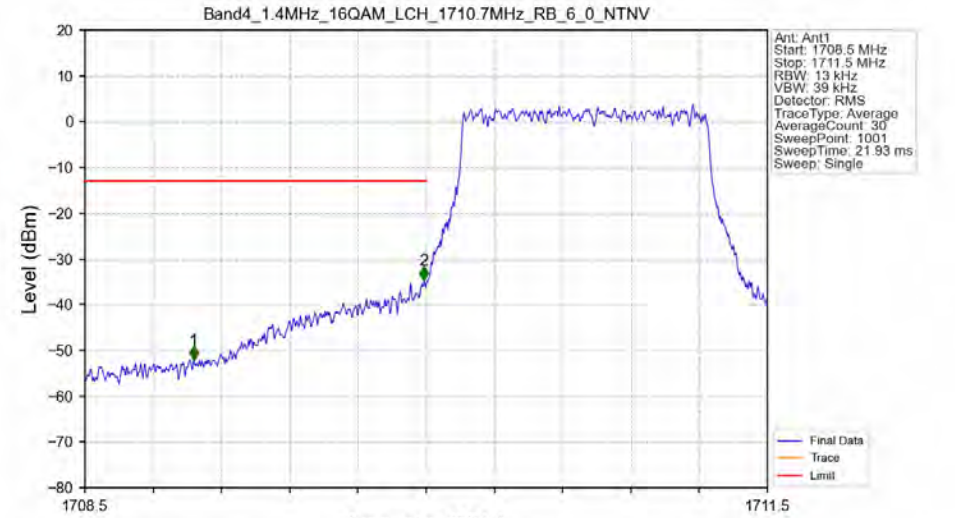
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



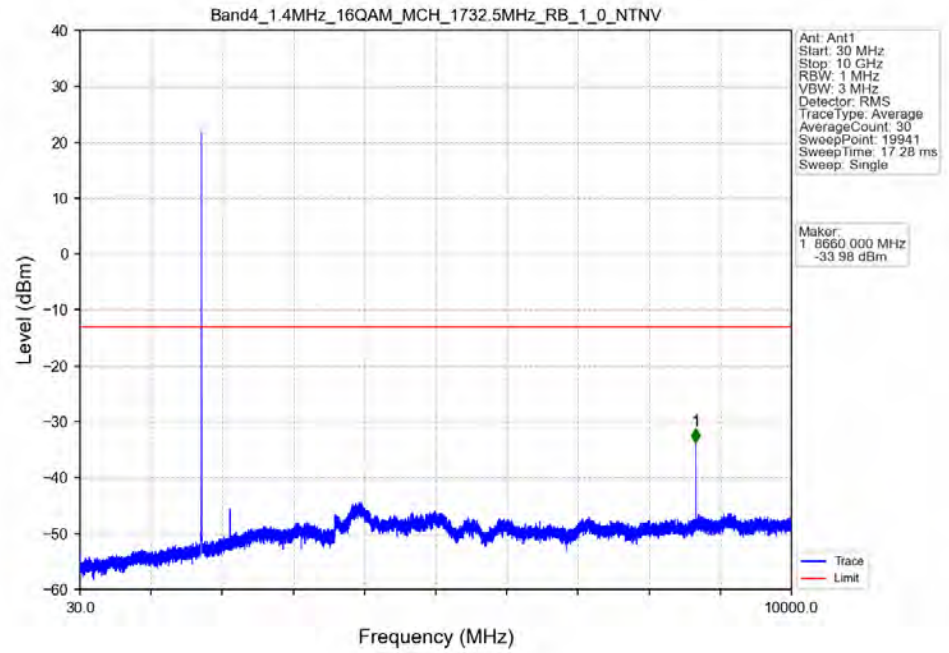
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

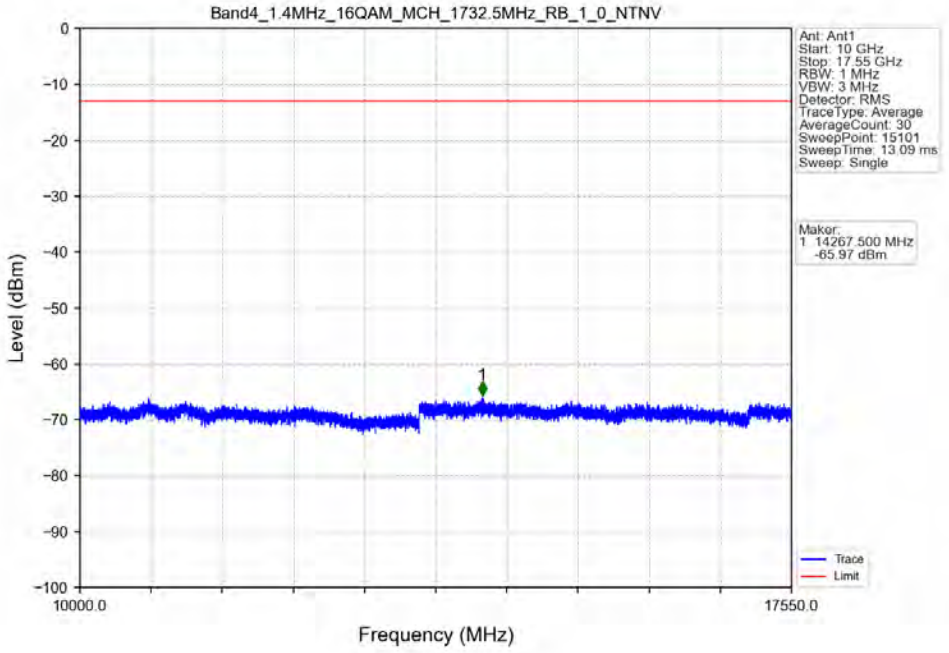


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

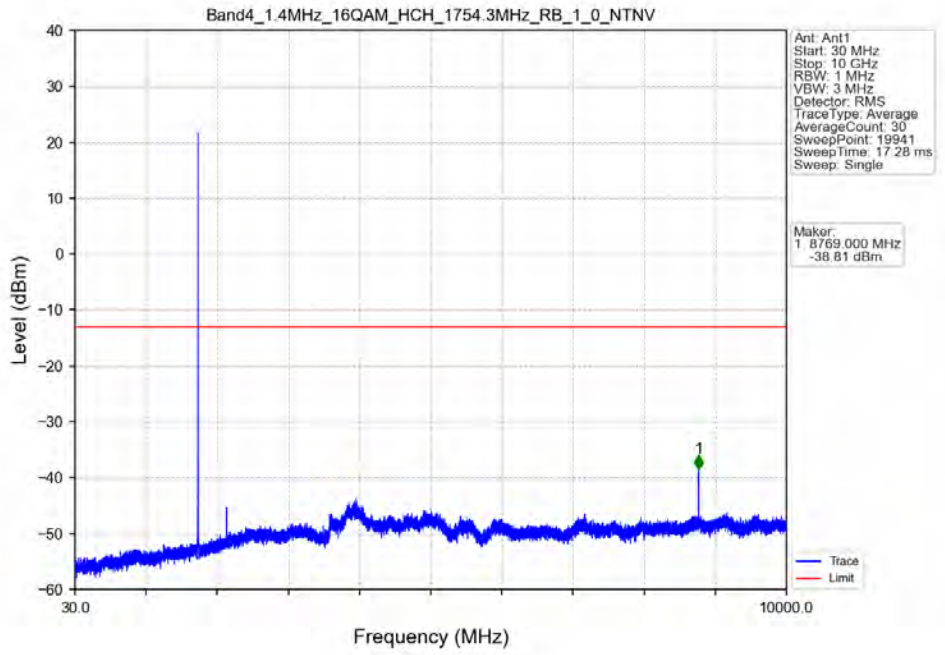


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.977	-52.18	-13	Pass
1709	1710	0.013	/	2	1709.991	-34.74	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

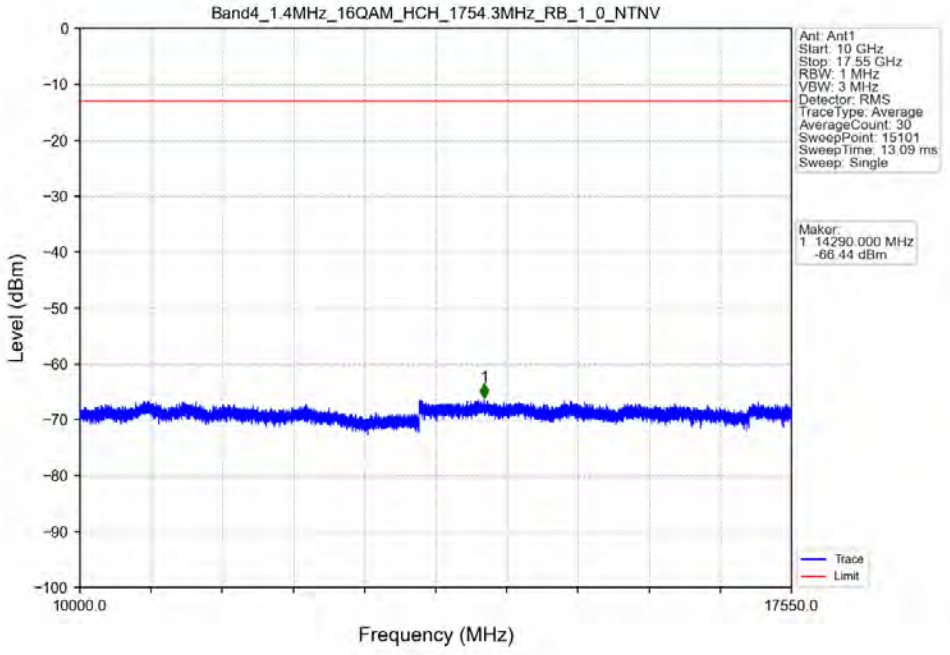
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV


Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV


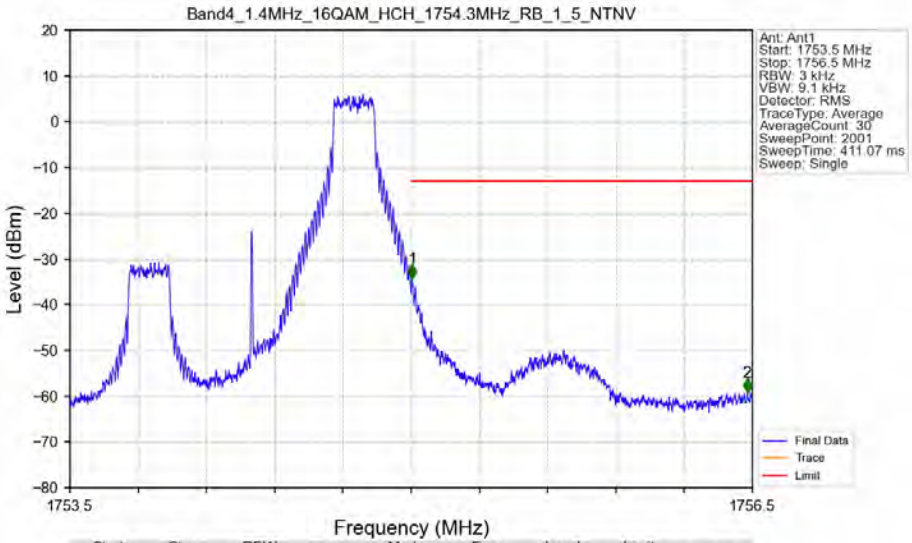
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

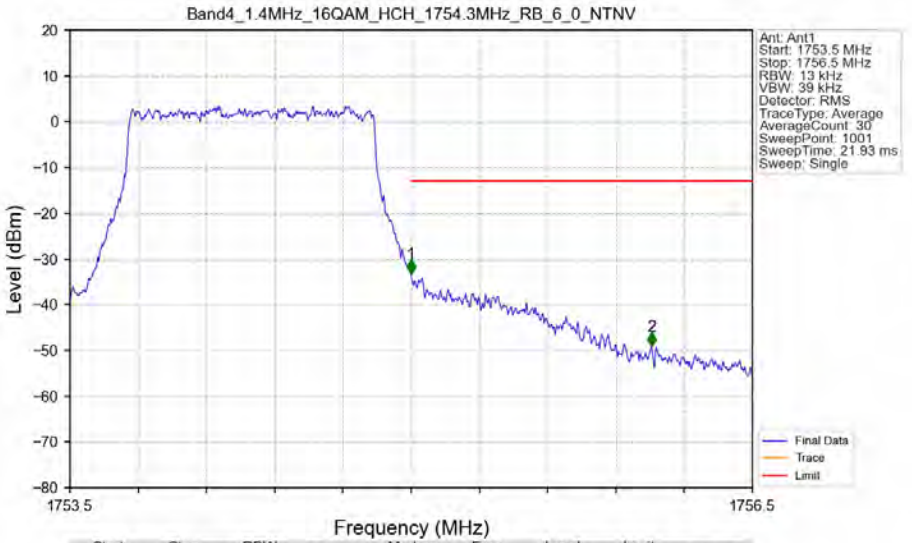


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



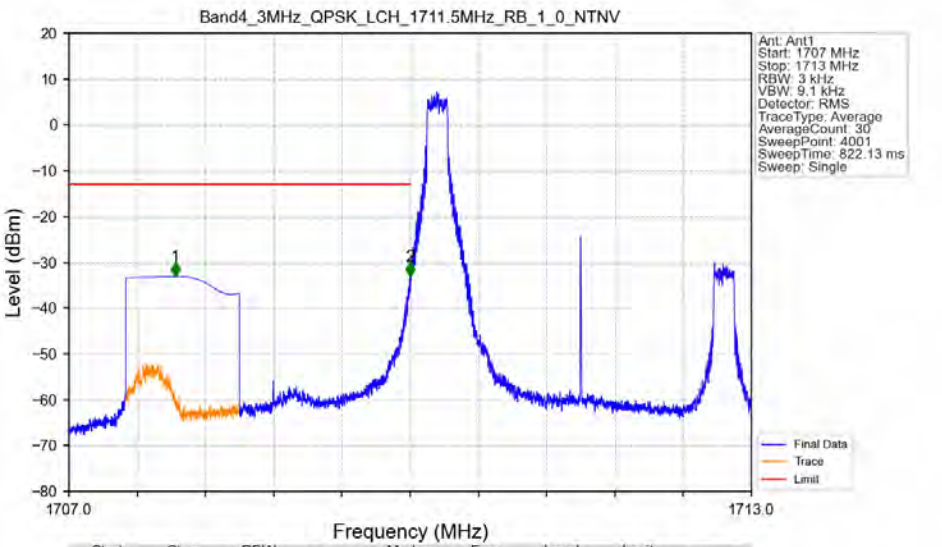
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.005	-34.27	-13	Pass
1756	1756.5	1	/	2	1756.477	-59.20	-13	Pass

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

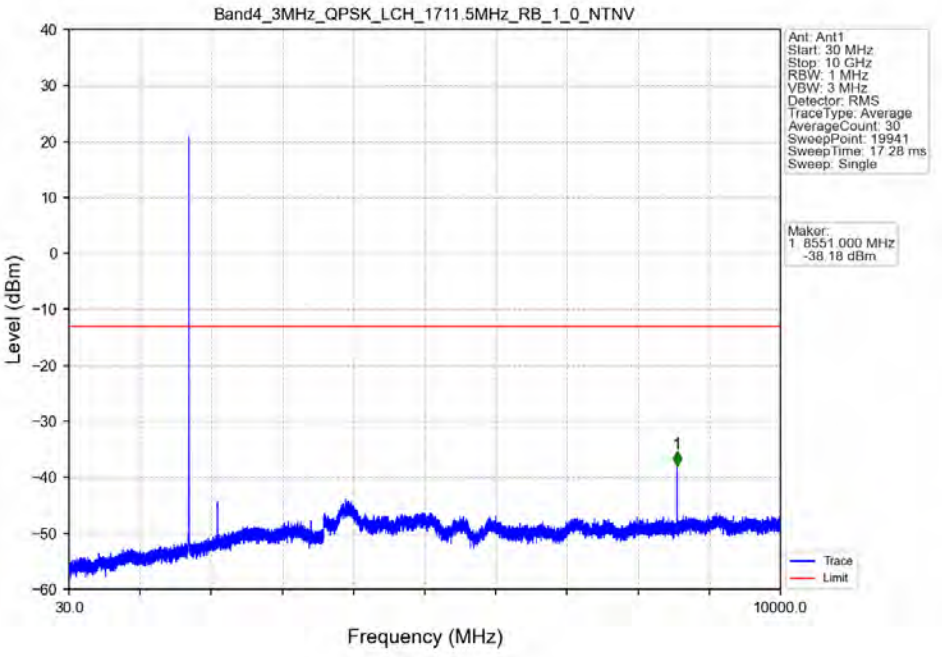


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1753.5	1755	0.013	/	/	/	/	/	/
1755	1756	0.013	/	1	1755.000	-33.32	-13	Pass
1756	1756.5	1	/	2	1756.056	-49.20	-13	Pass

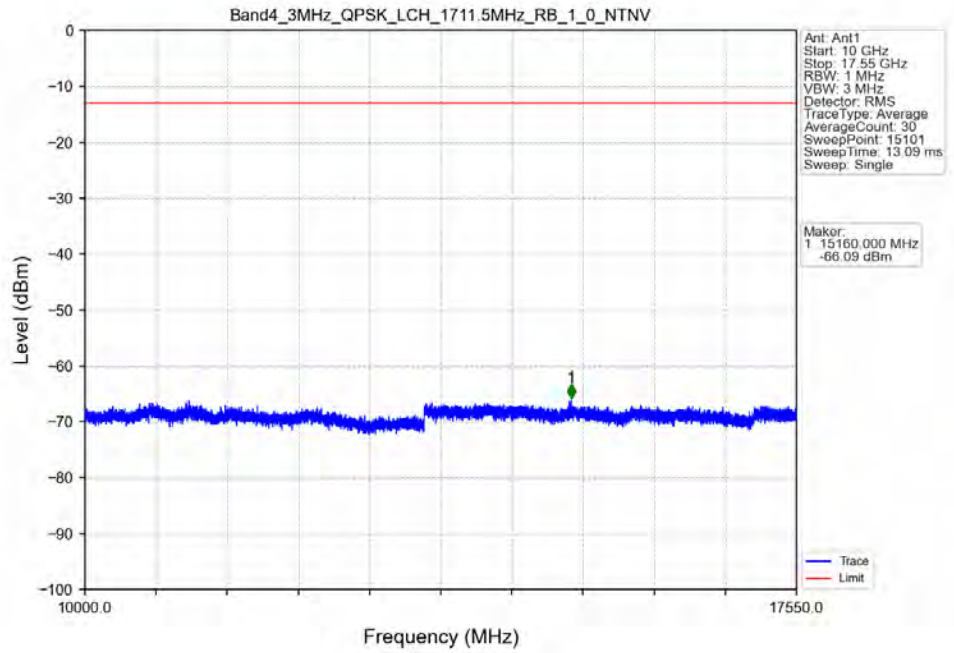
5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV


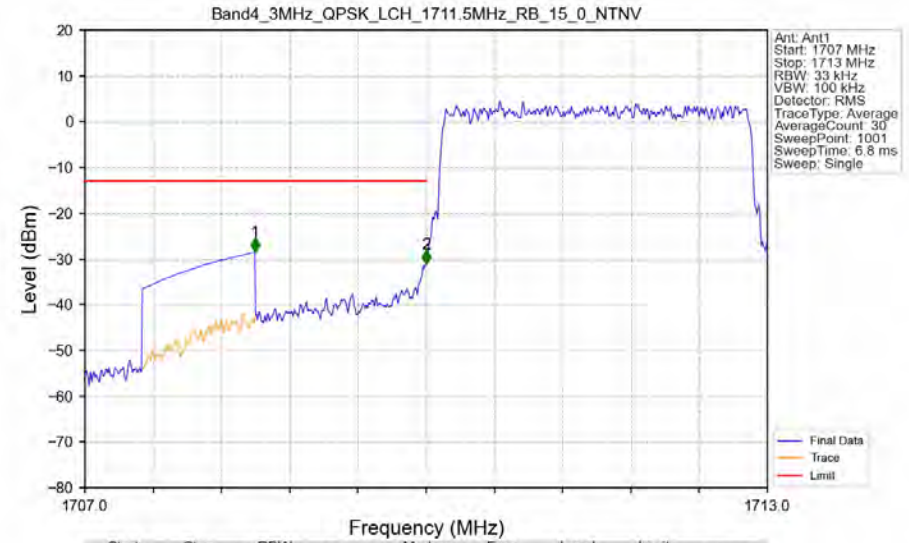
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.933	-33.13	-13	Pass
1709	1710	0.003	/	2	1709.998	-33.13	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

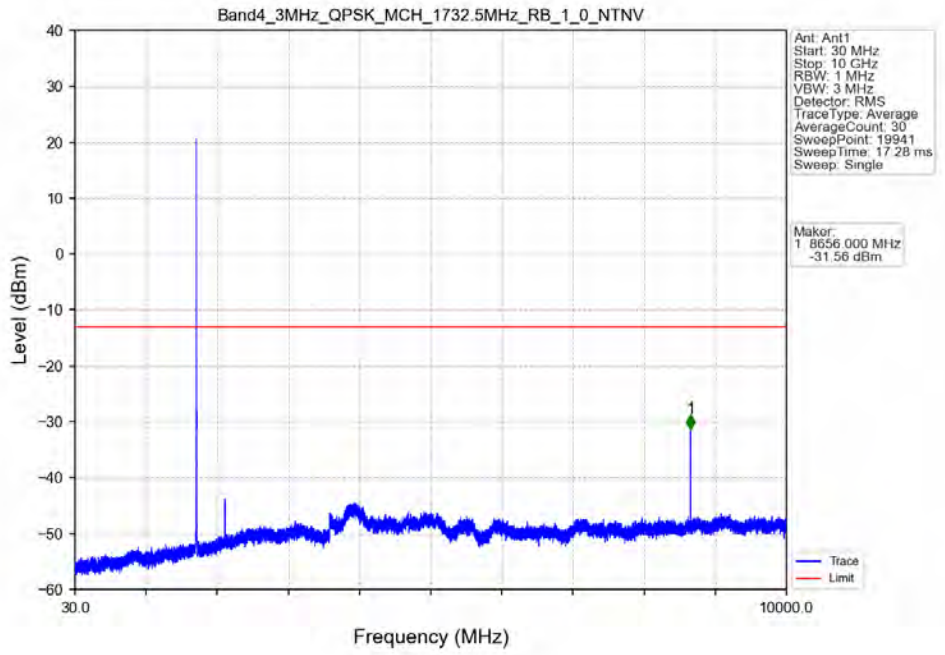


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

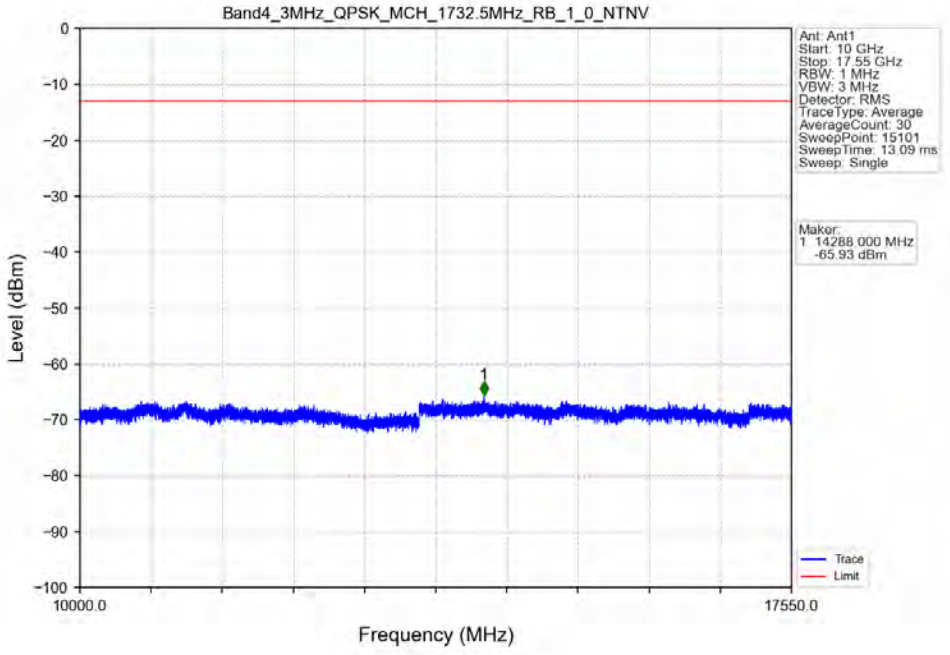


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-28.52	-13	Pass
1709	1710	0.033	/	2	1710.000	-31.12	-13	Pass
1710	1713	0.033	/	/	/	/	/	/

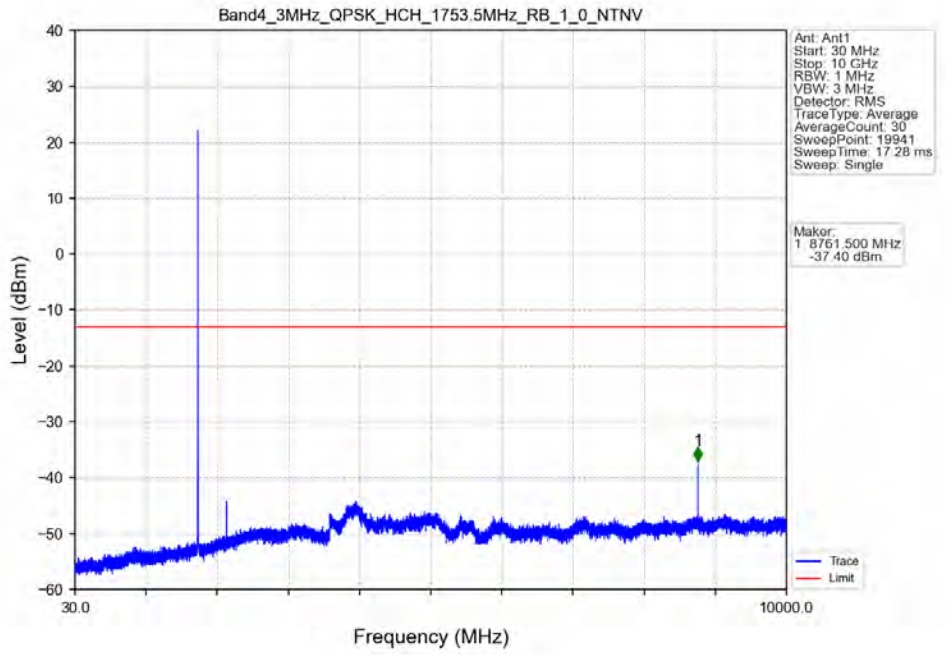
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



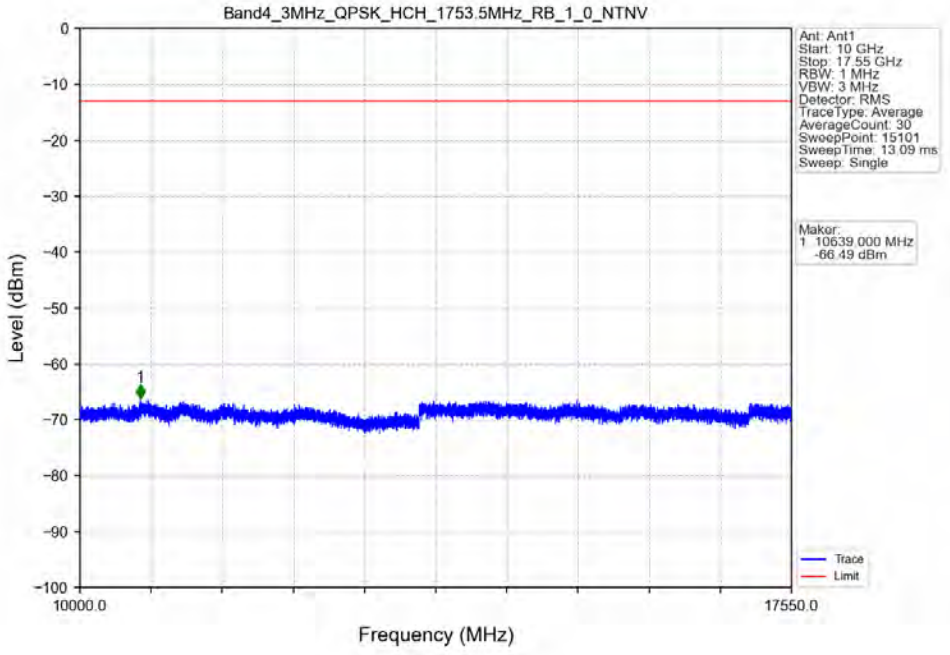
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



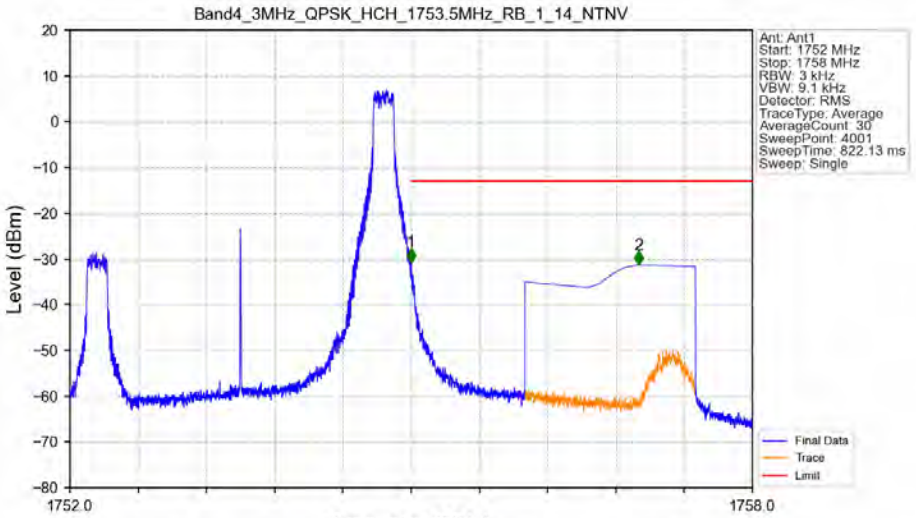
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_0_NTNV

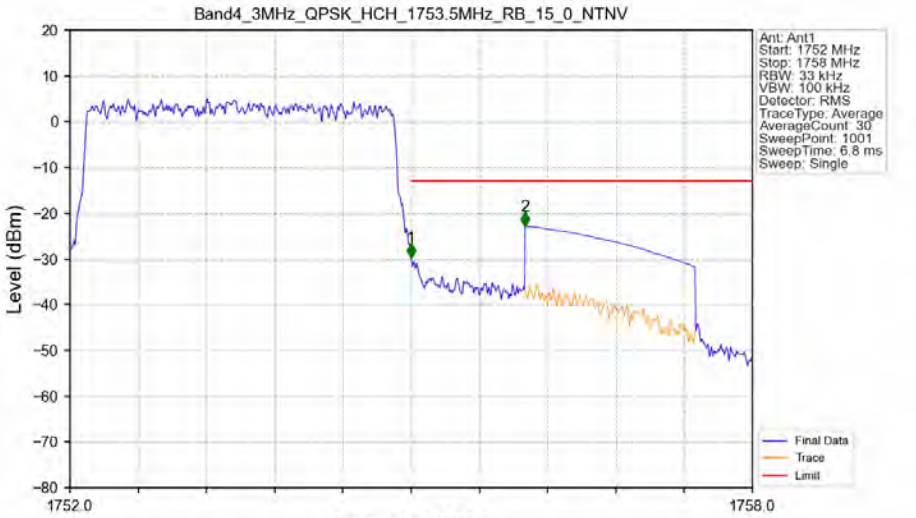


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_1_14_NTNV



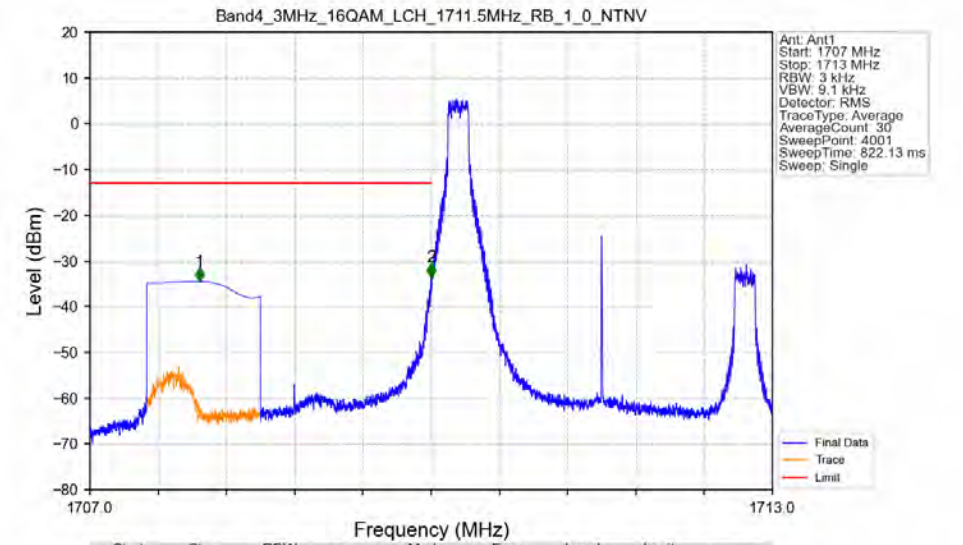
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-30.70	-13	Pass
1756	1758	1	CHP	2	1757.003	-31.36	-13	Pass

Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



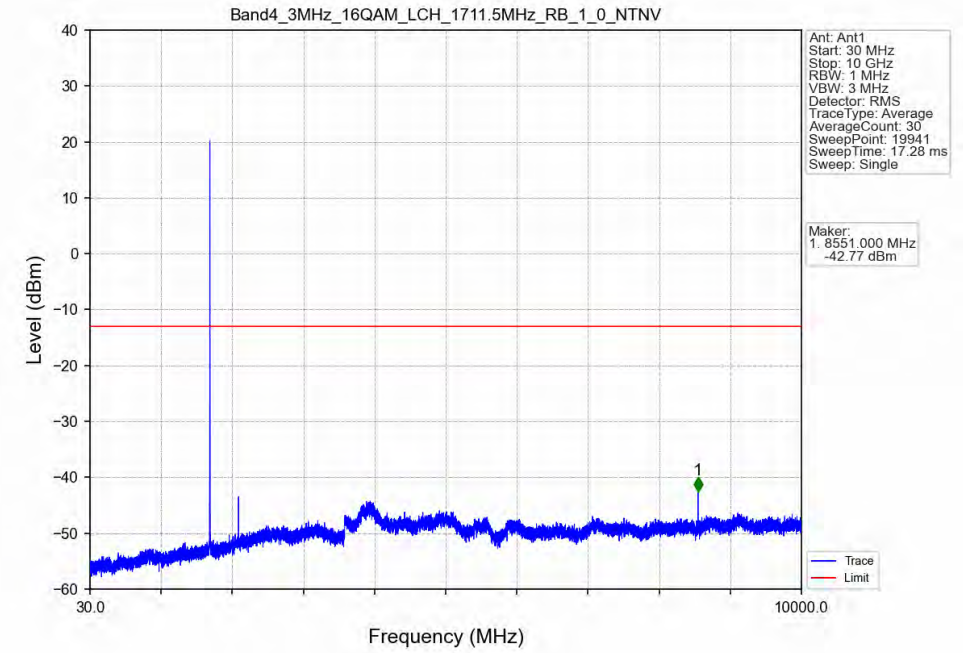
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.033	/	/	/	/	/	/
1755	1756	0.033	/	1	1755.000	-29.76	-13	Pass
1756	1758	1	CHP	2	1756.002	-22.86	-13	Pass

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

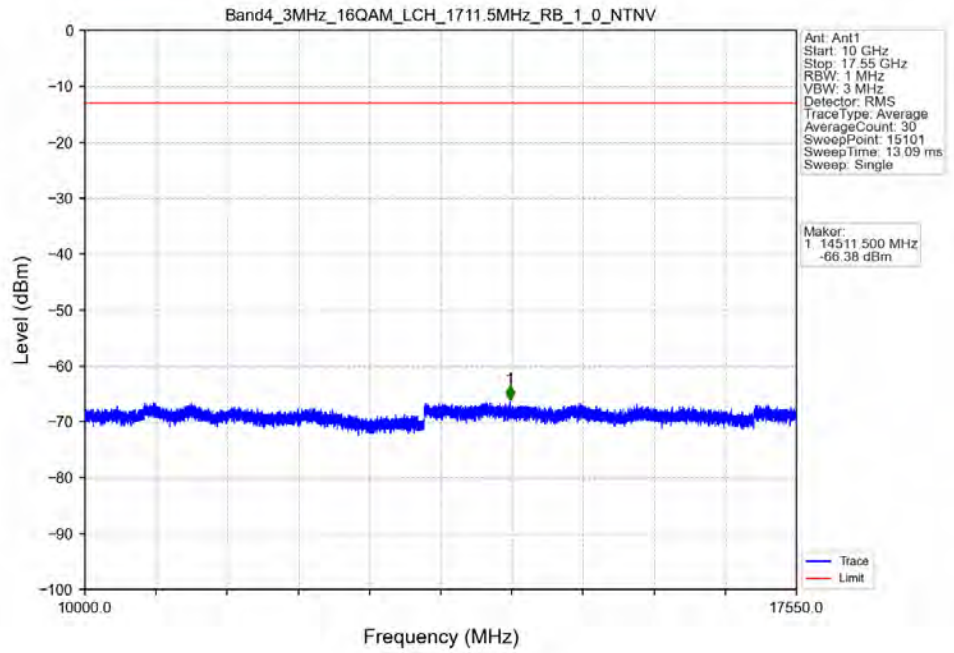


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.965	-34.55	-13	Pass
1709	1710	0.003	/	2	1710.000	-33.55	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

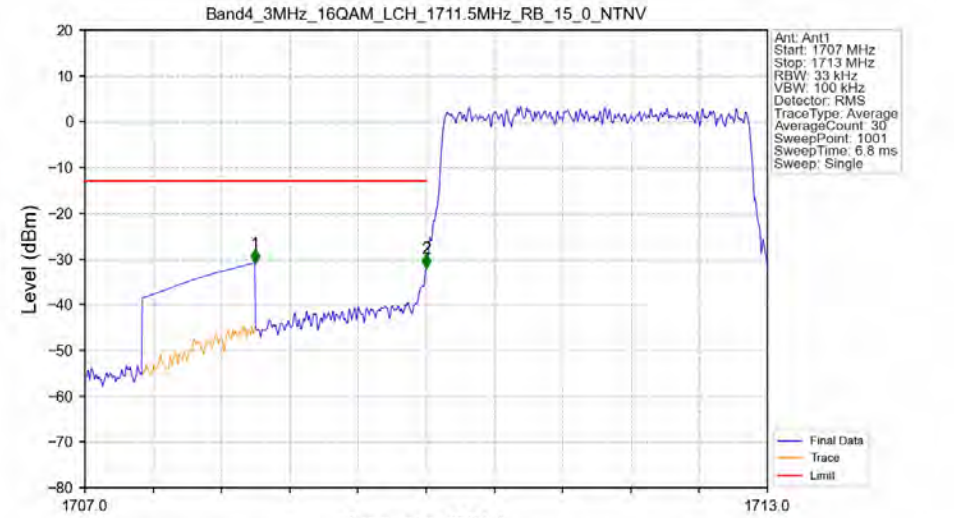
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

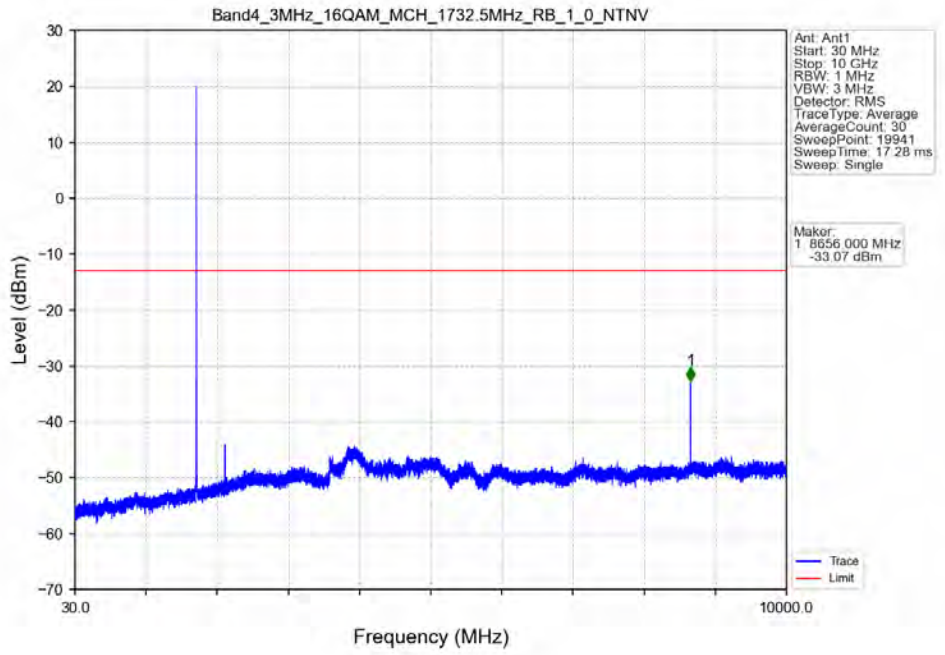


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

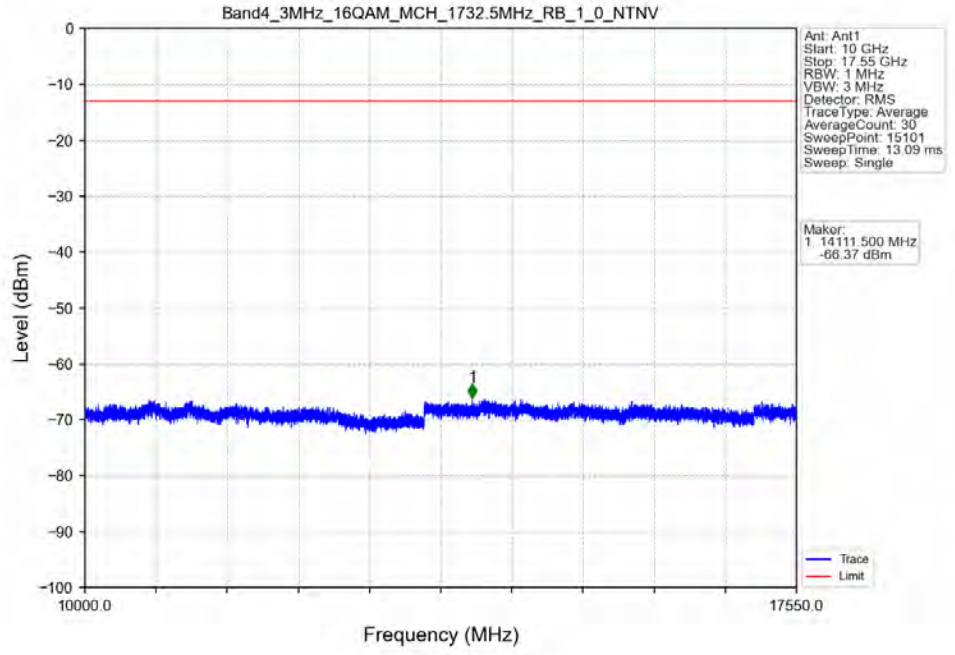


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-30.93	-13	Pass
1709	1710	0.033	/	2	1710.000	-31.99	-13	Pass
1710	1713	0.033	/	/	/	/	/	/

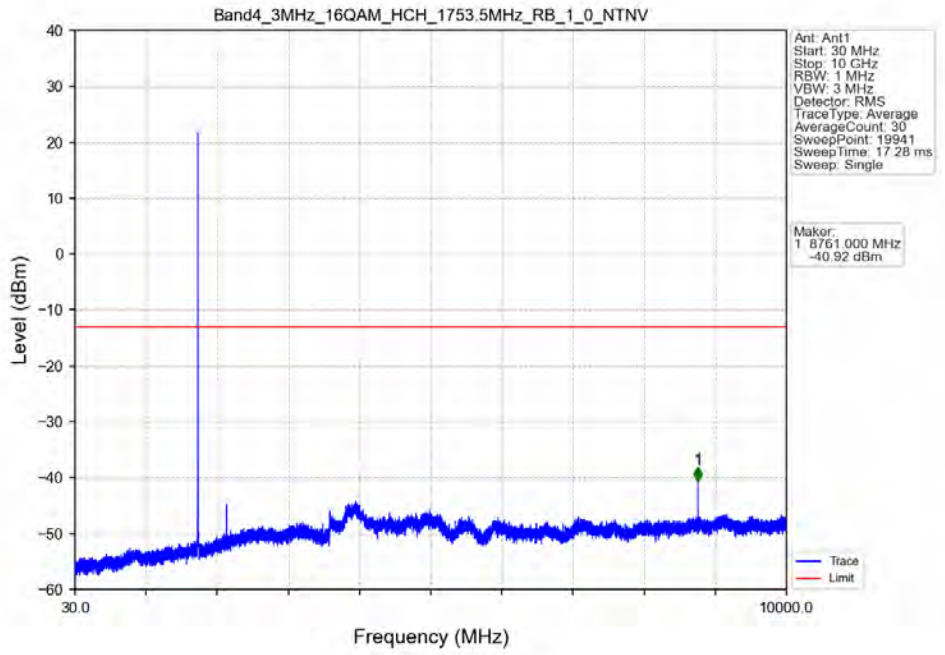
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



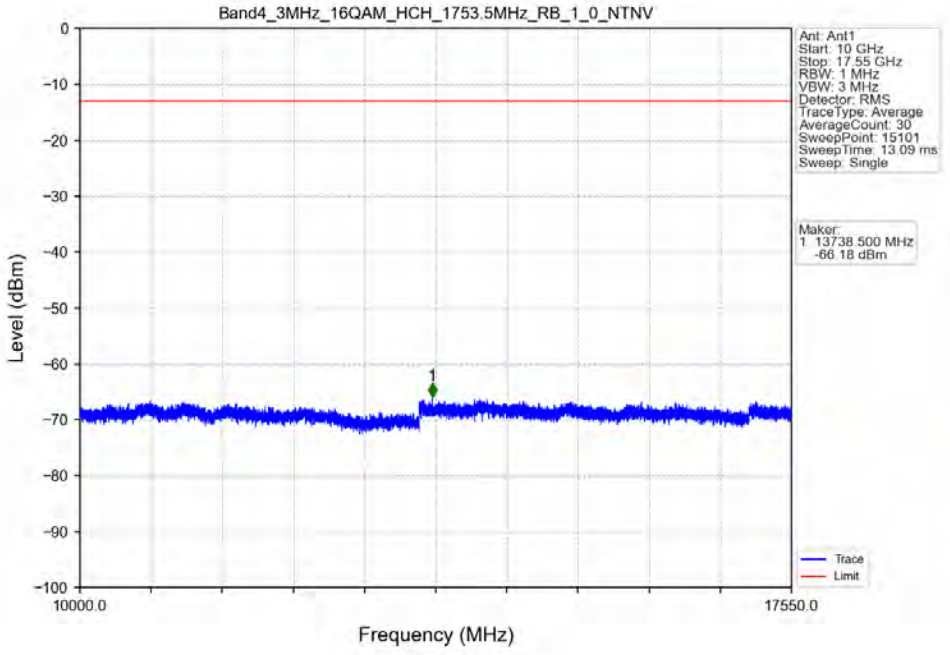
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



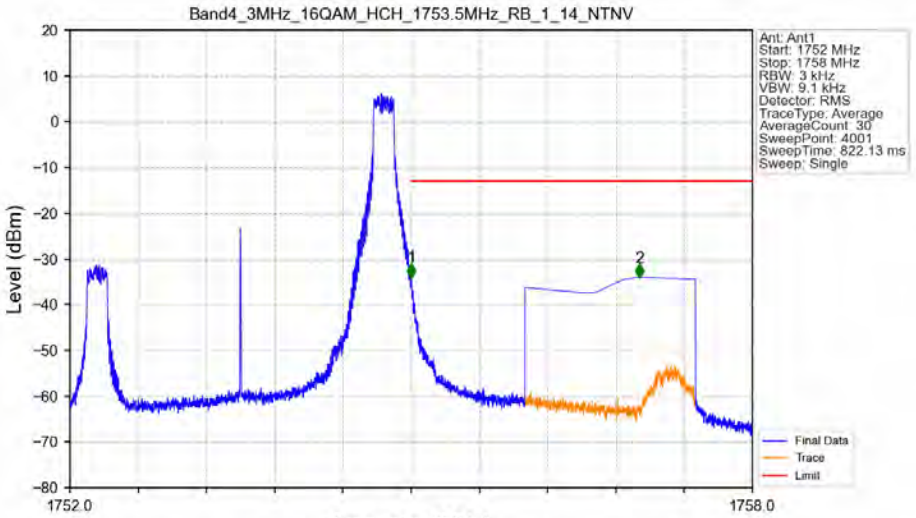
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_0_NTNV

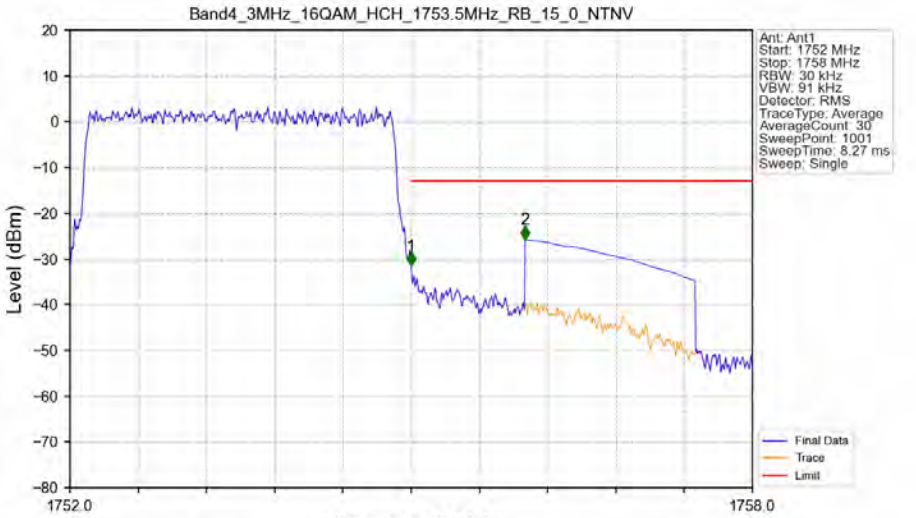


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-34.06	-13	Pass
1756	1758	1	CHP	2	1757.005	-34.09	-13	Pass

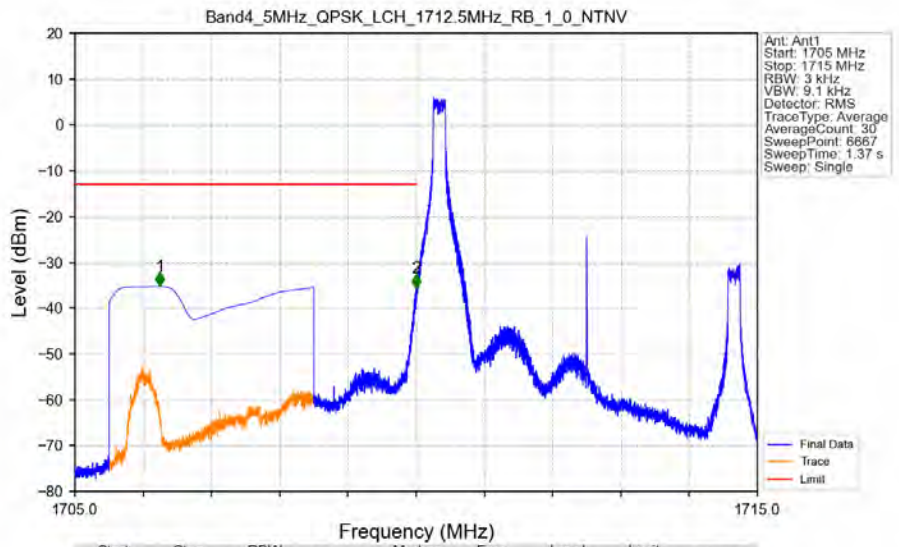
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.03	/	/	/	/	/	/
1755	1756	0.03	/	1	1755.000	-31.47	-13	Pass
1756	1758	1	CHP	2	1756.002	-25.79	-13	Pass

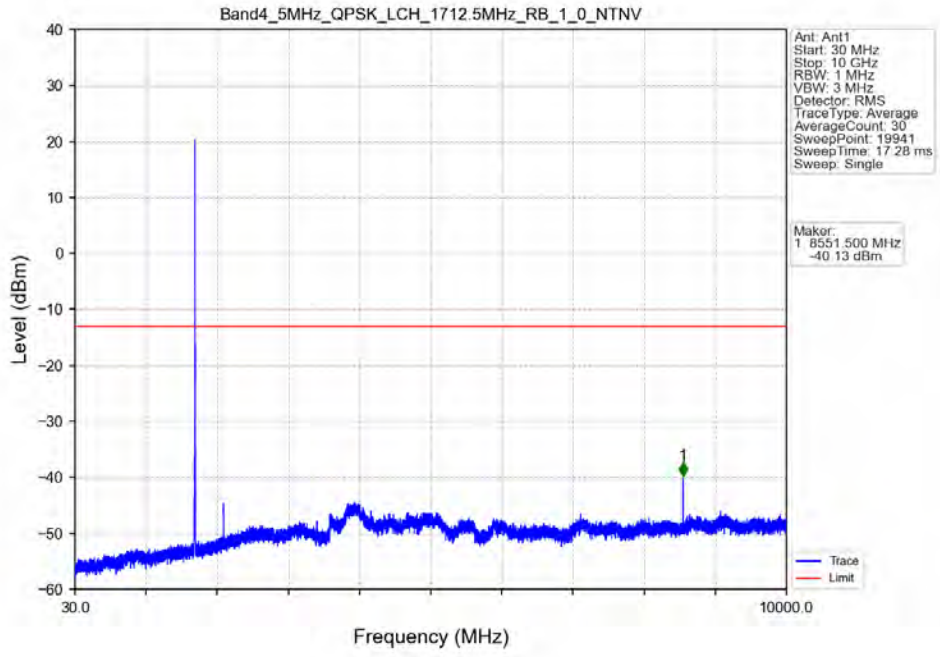
5.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

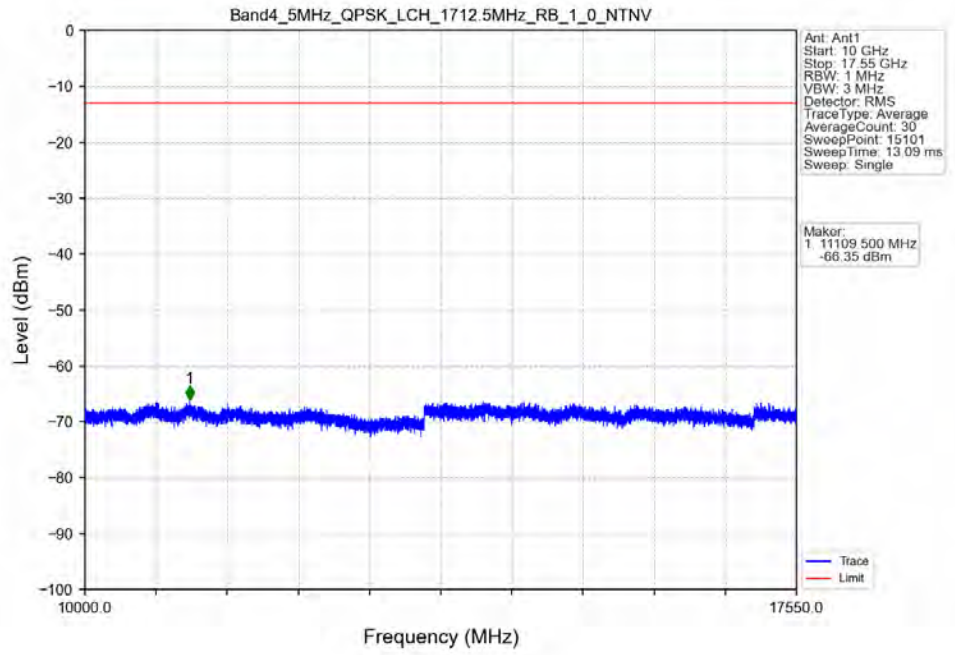


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1706.244	-35.24	-13	Pass
1709	1710	0.003	/	2	1709.998	-35.67	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

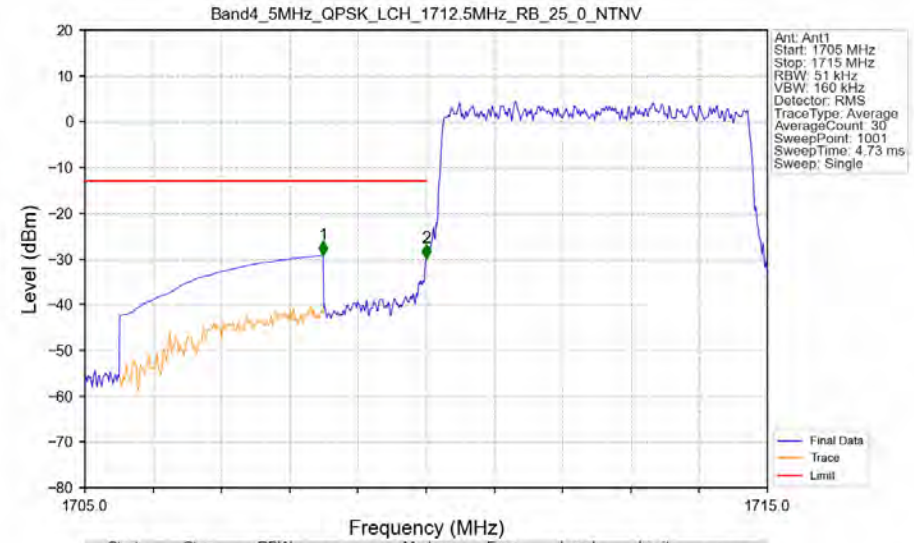
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



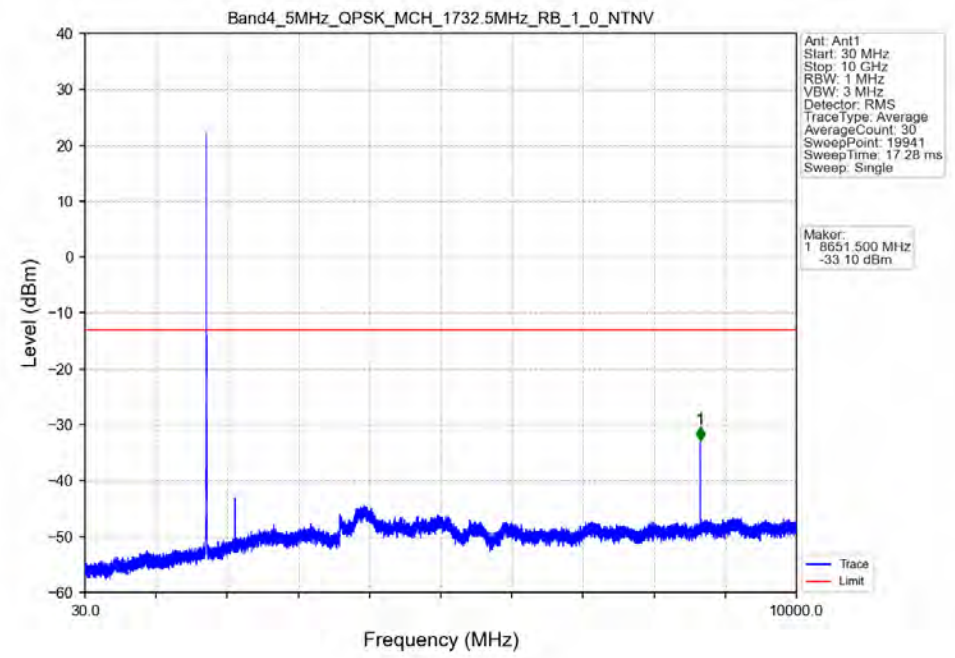
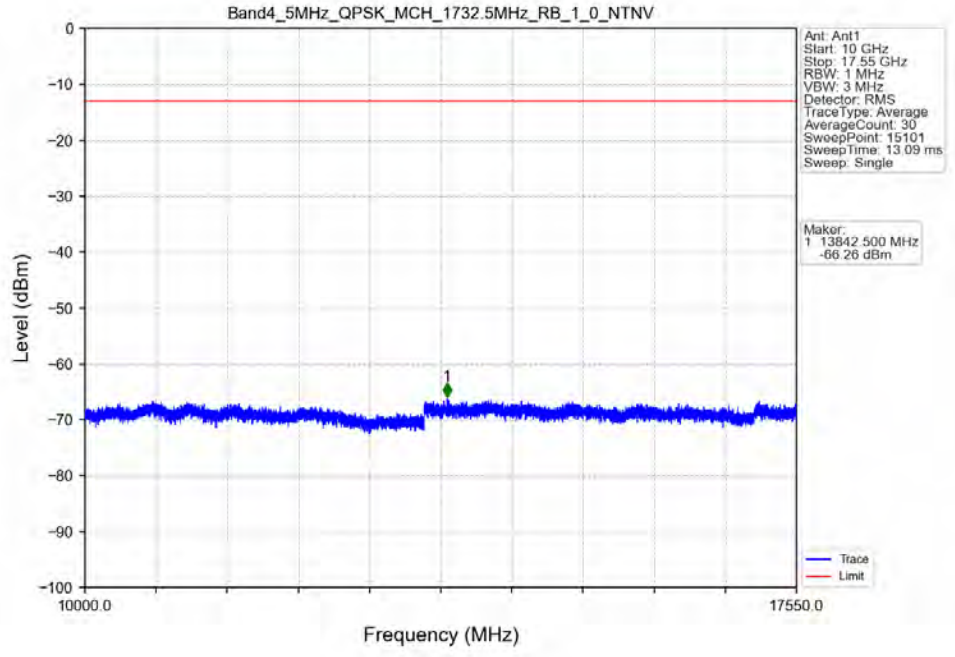
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



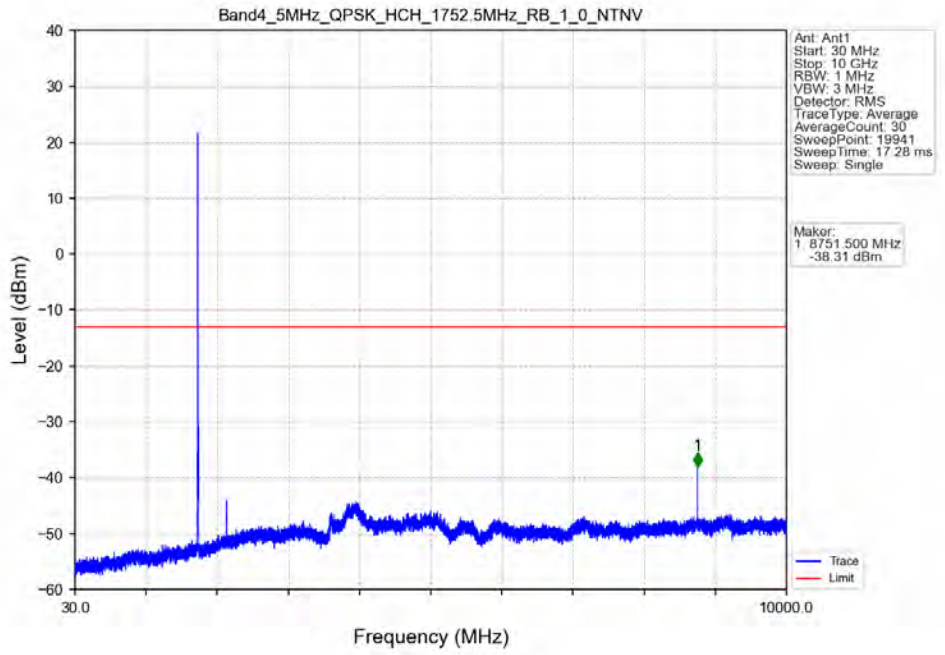
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



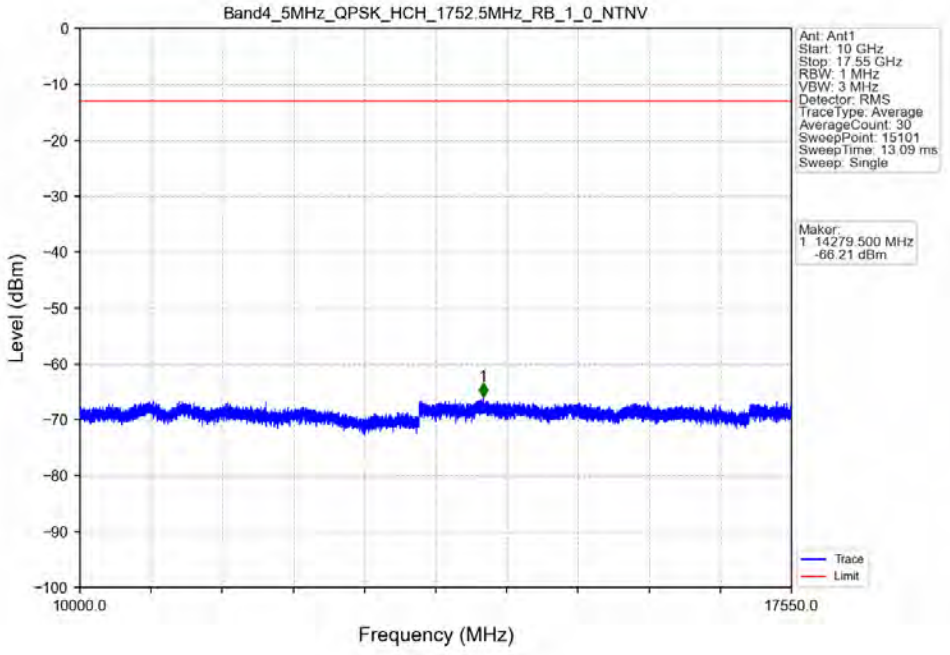
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-29.12	-13	Pass
1709	1710	0.051	/	2	1710.000	-29.85	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV


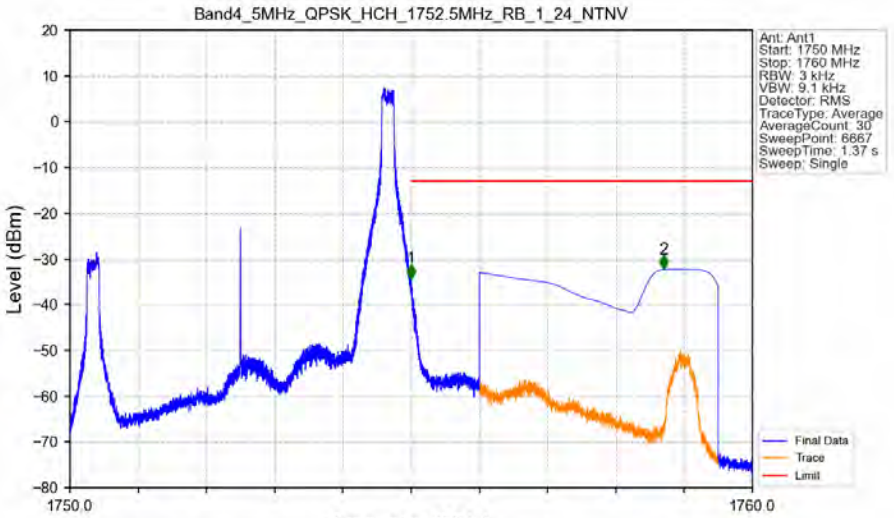
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_0_NTNV

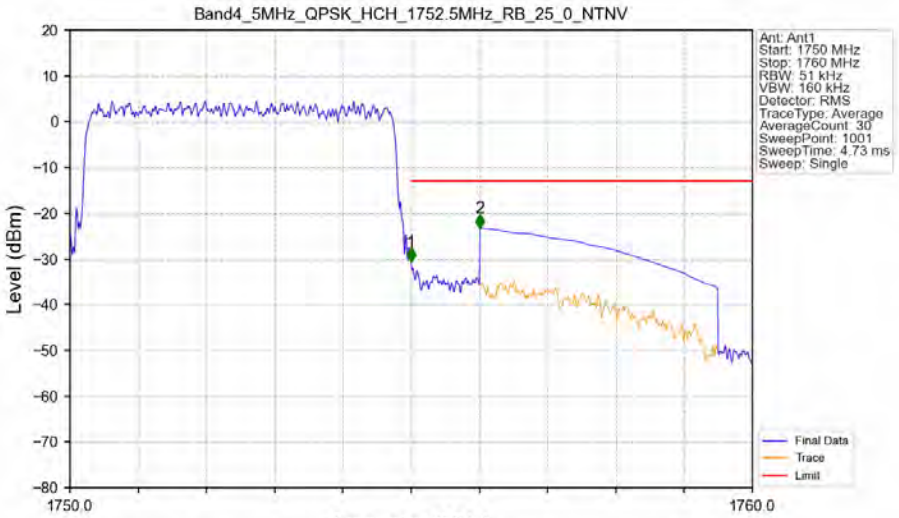


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_1_24_NTNV



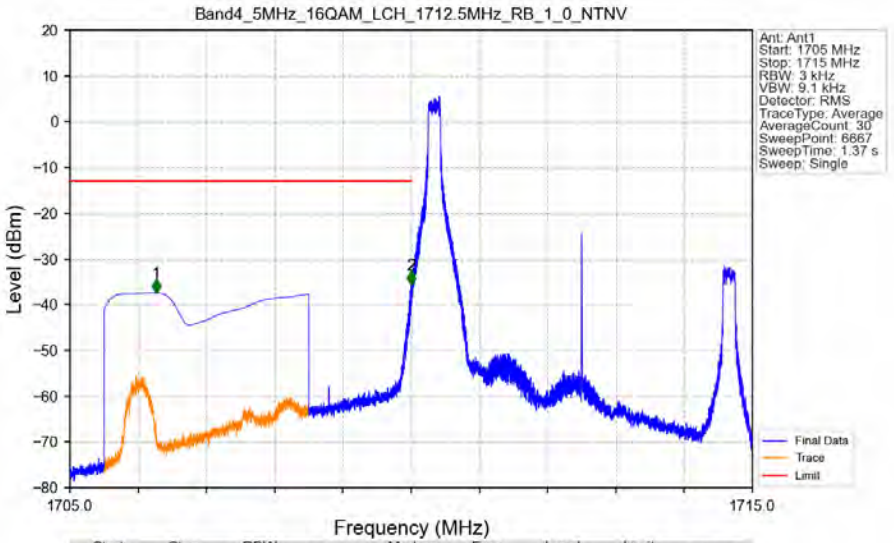
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.000	-34.24	-13	Pass
1756	1760	1	CHP	2	1758.702	-32.28	-13	Pass

Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



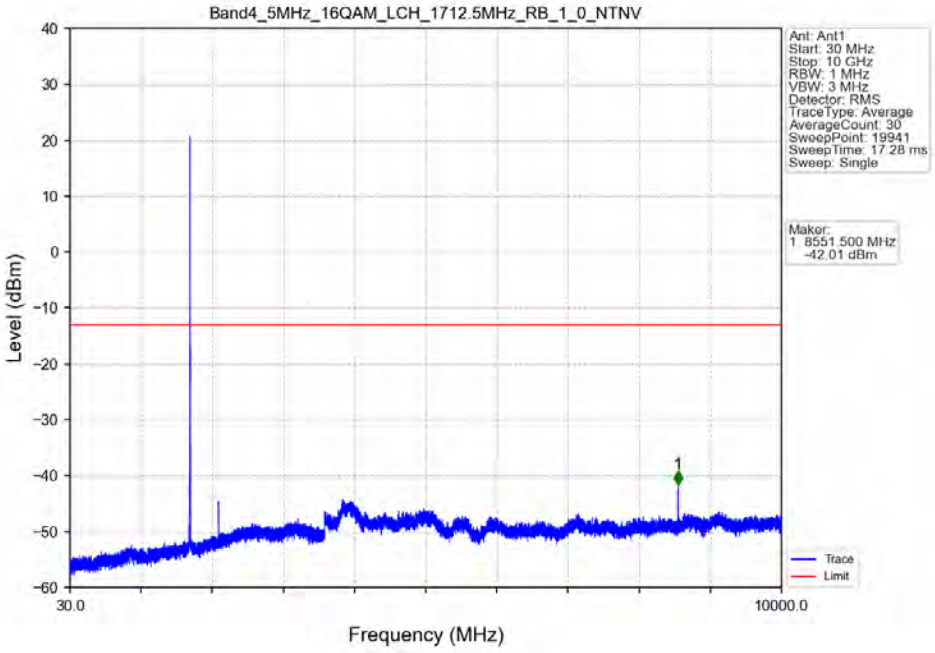
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	/	/	/	/	/	/
1755	1756	0.051	/	1	1755.000	-30.63	-13	Pass
1756	1760	1	CHP	2	1756.010	-23.30	-13	Pass

Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

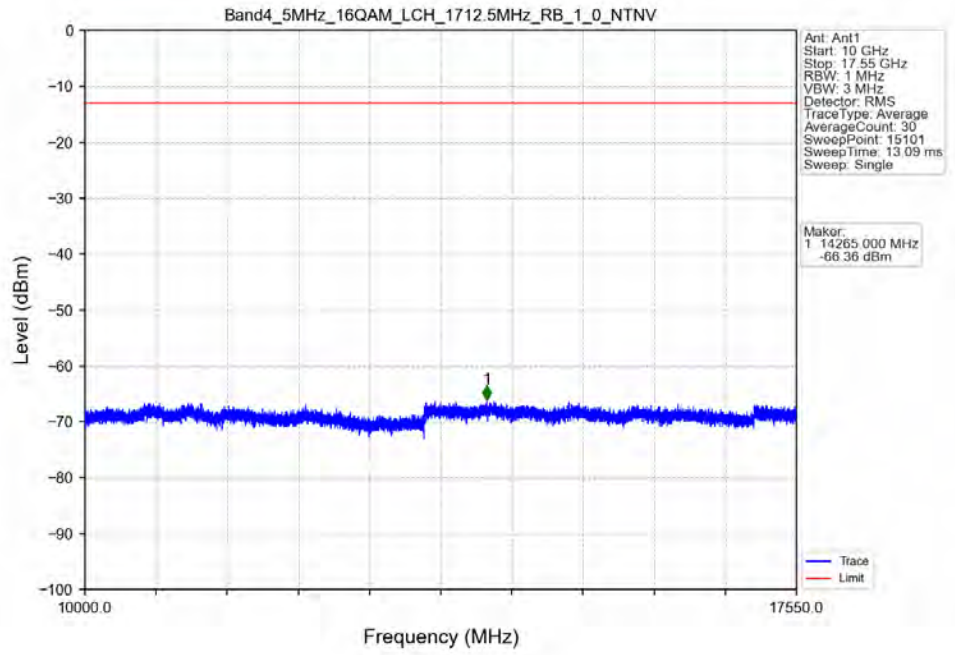


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1706.265	-37.46	-13	Pass
1709	1710	0.003	/	2	1710.000	-35.68	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

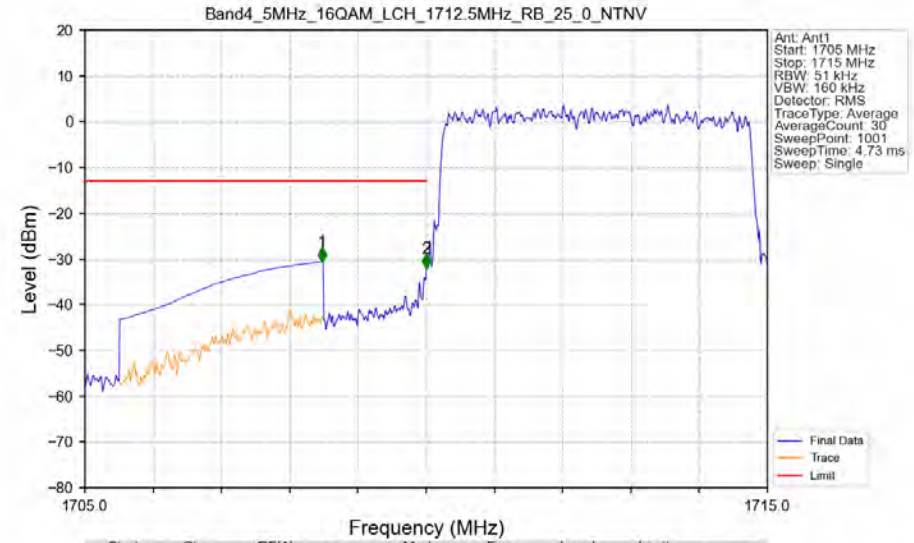
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

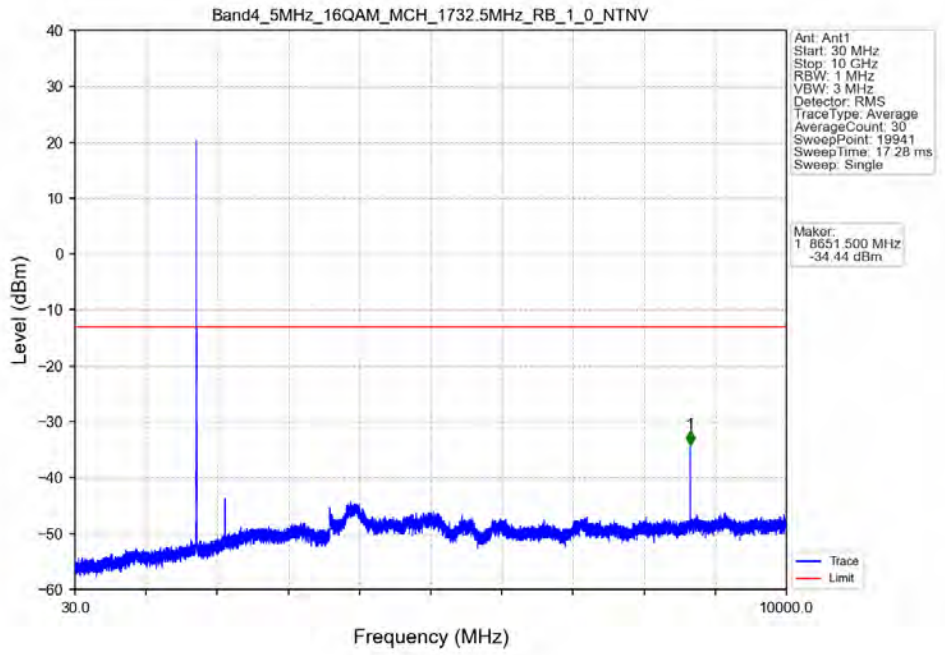


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

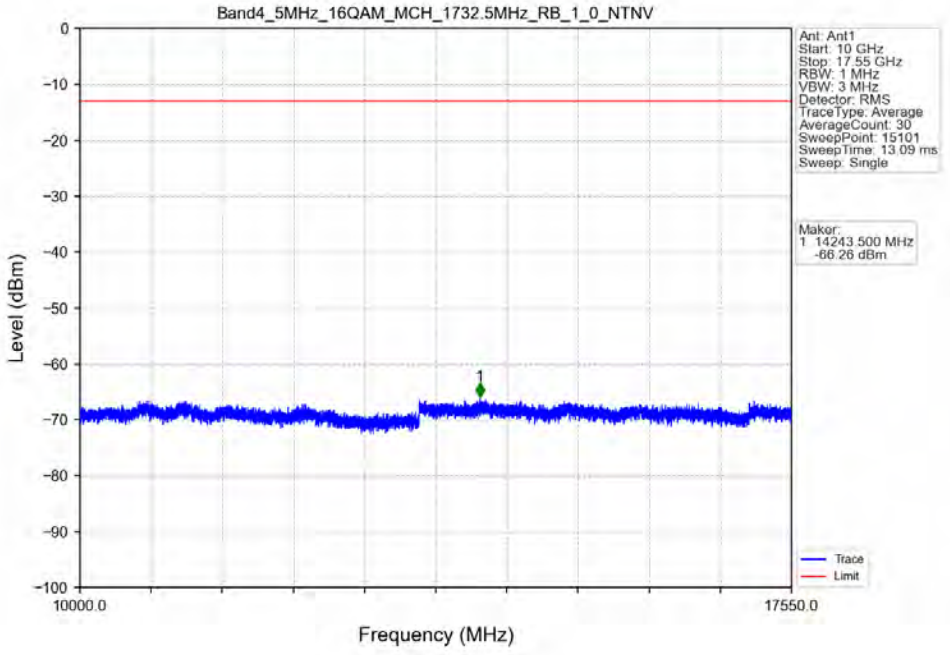


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.470	-30.62	-13	Pass
1709	1710	0.051	/	2	1710.000	-32.09	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

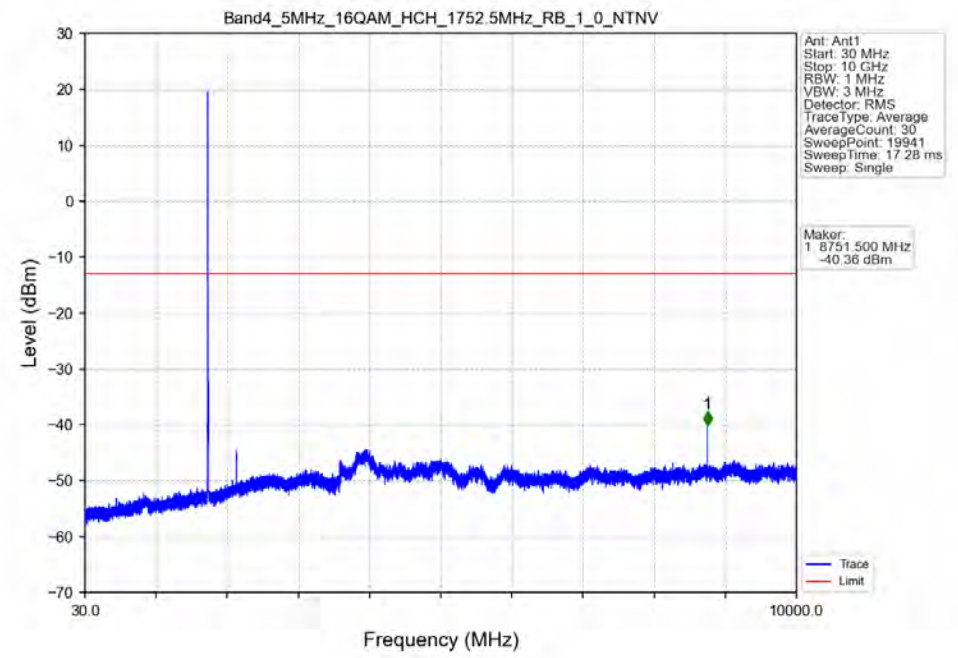
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



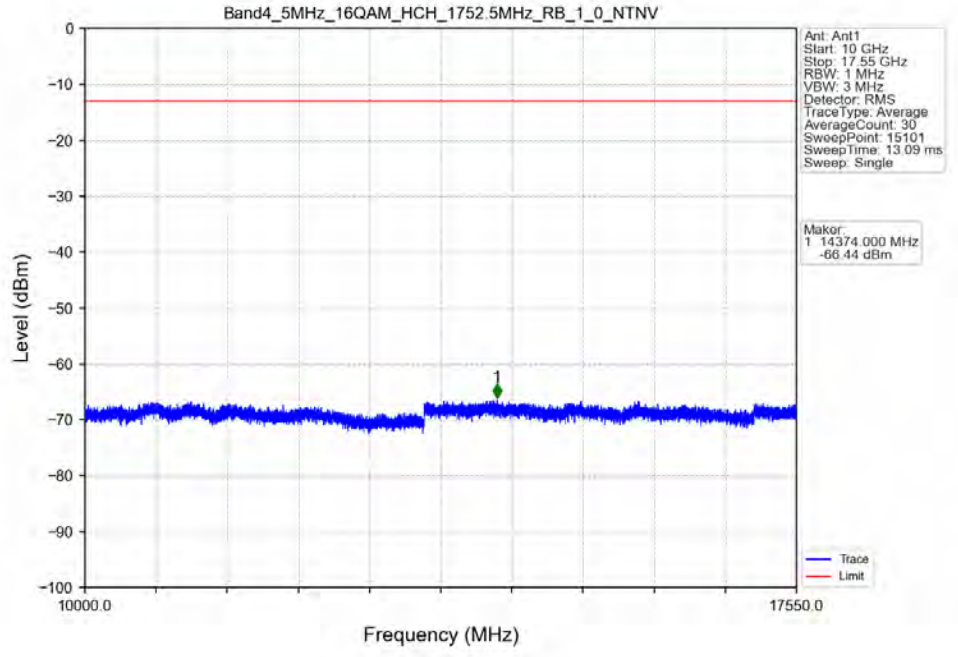
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



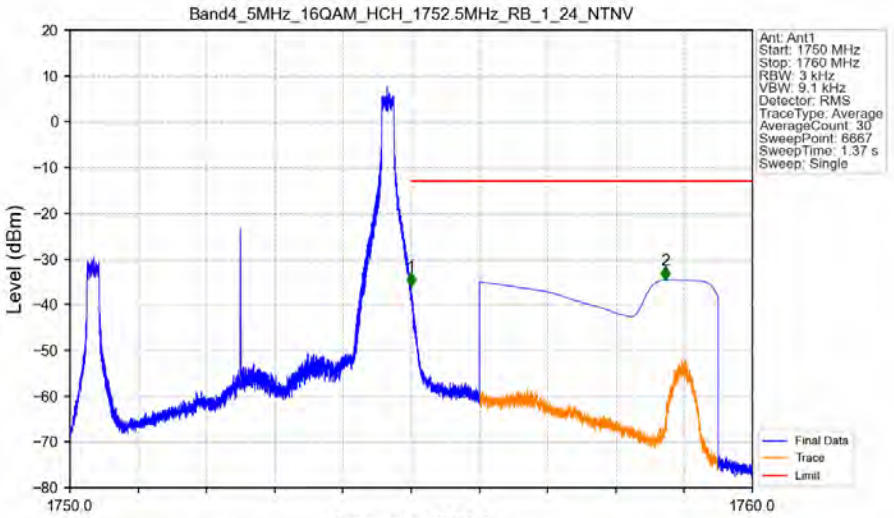
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_0_NTNV

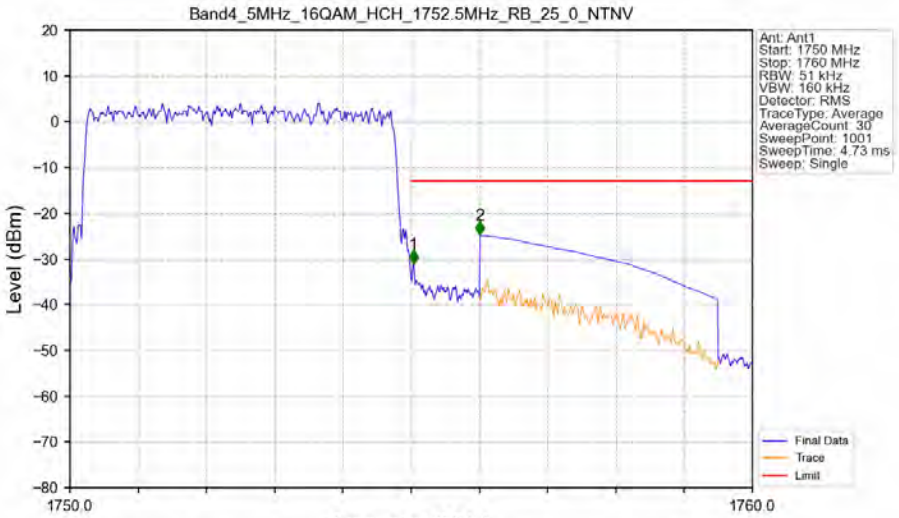


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_1_24_NTNV



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	1755.000	-36.09	-13	Pass
1756	1760	1	CHP	2	1758.725	-34.63	-13	Pass

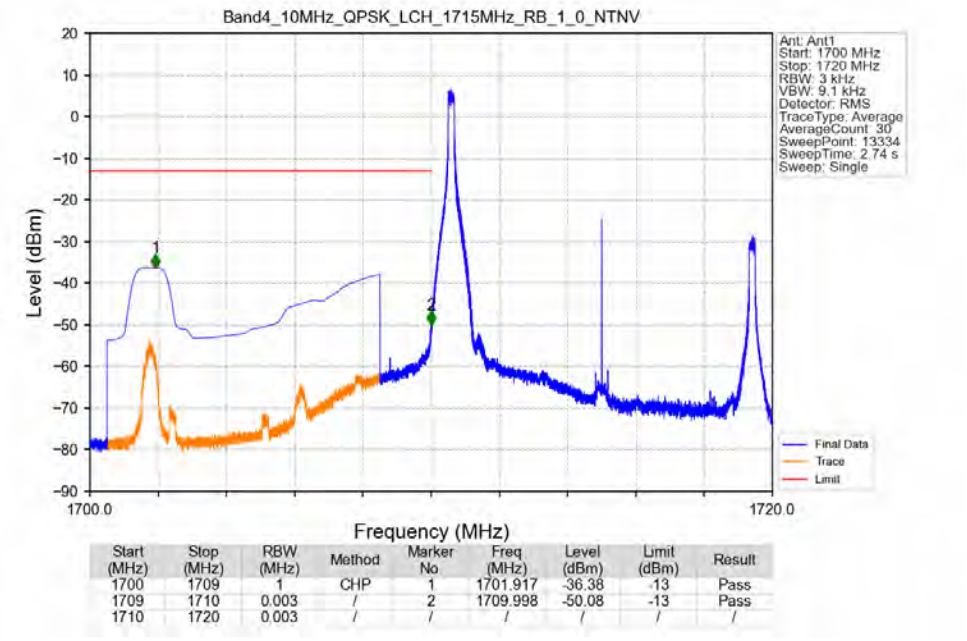
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1750	1755	0.051	/	/	/	/	/	/
1755	1756	0.051	/	1	1755.030	-31.18	-13	Pass
1756	1760	1	CHP	2	1756.010	-24.87	-13	Pass

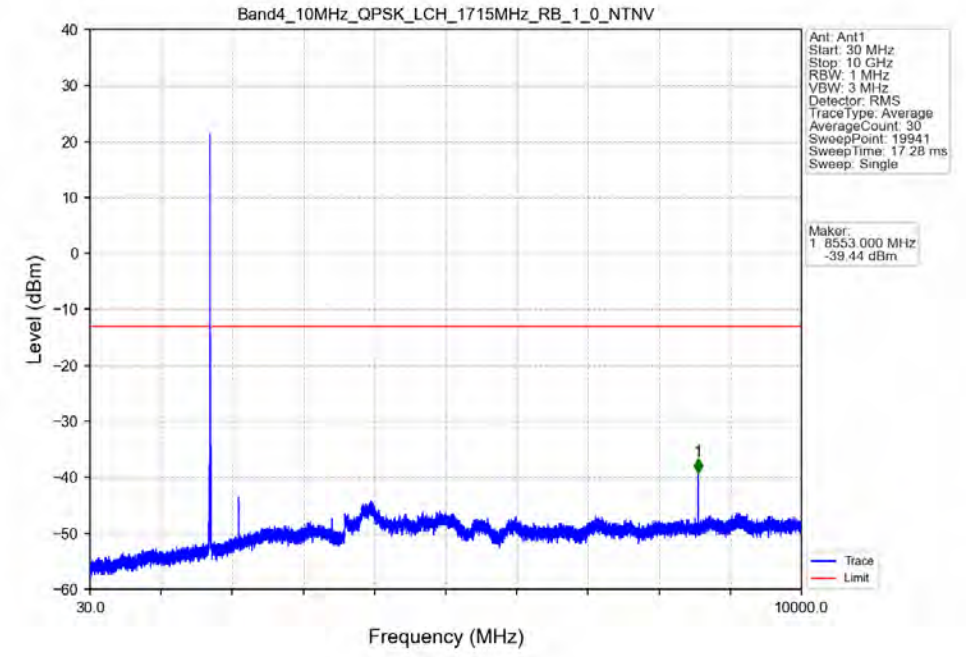
5.2.4 B4_10MHz

Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

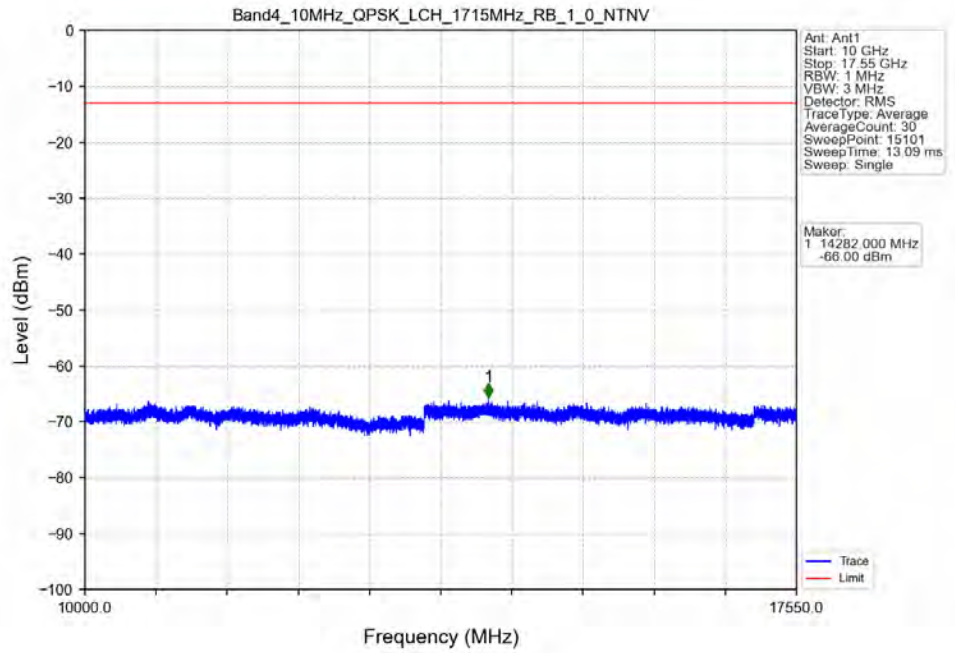


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1701.917	-36.38	-13	Pass
1709	1710	0.003	/	2	1709.998	-50.08	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

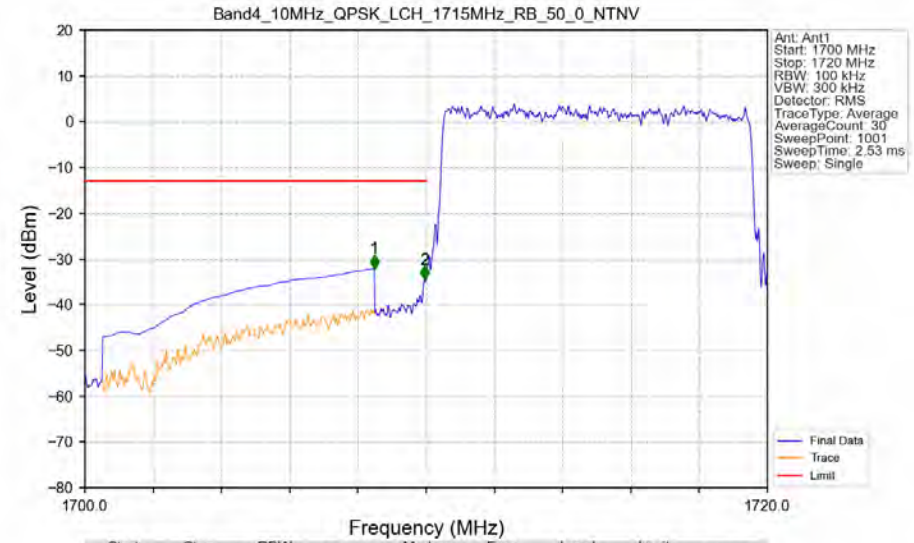
Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

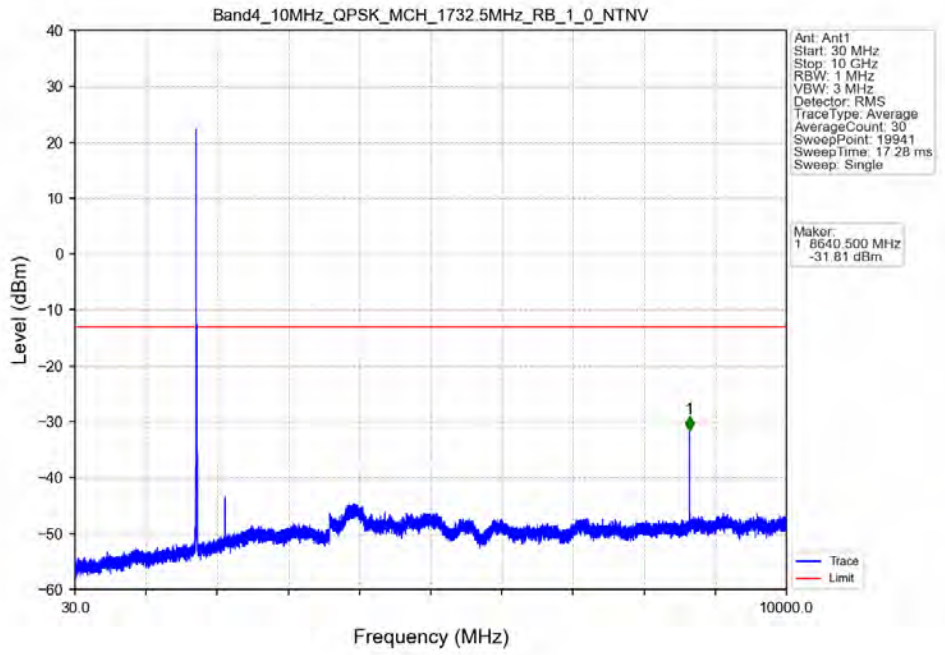


Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

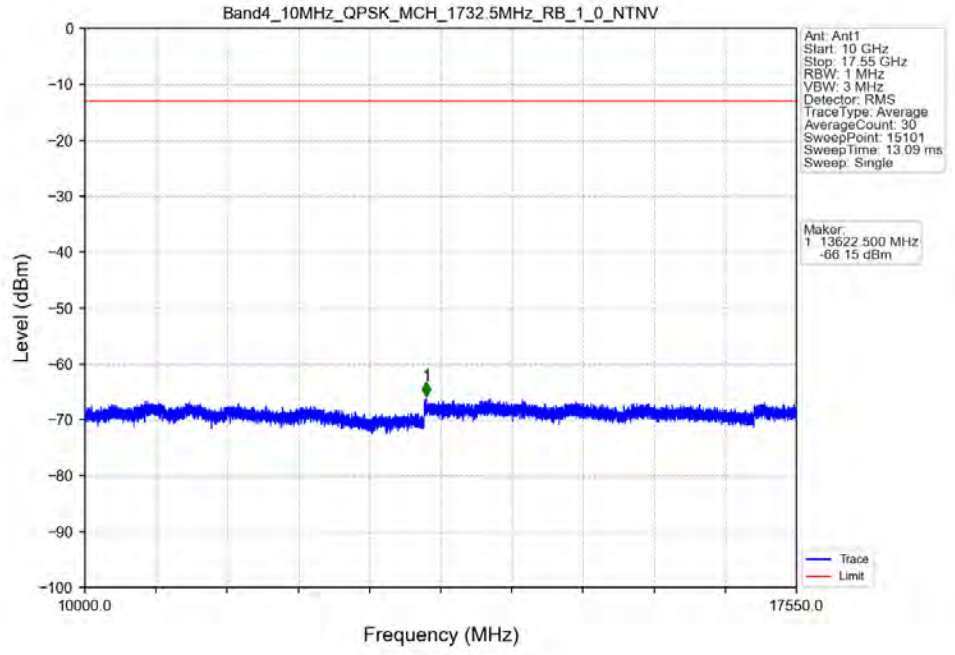


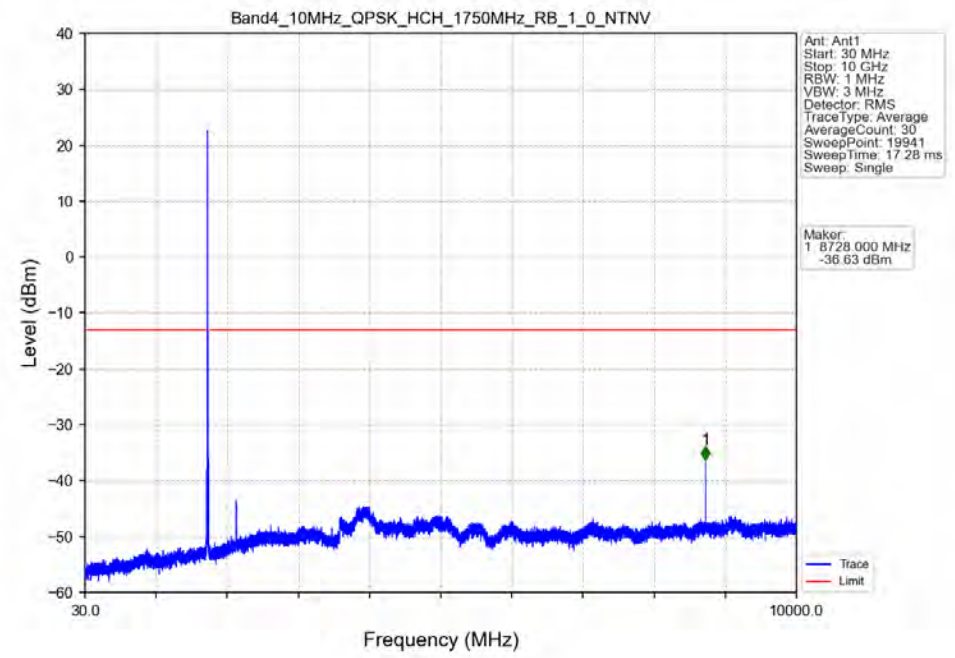
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-32.14	-13	Pass
1709	1710	0.1	/	2	1709.960	-34.54	-13	Pass
1710	1720	0.1	/	/	/	/	/	/

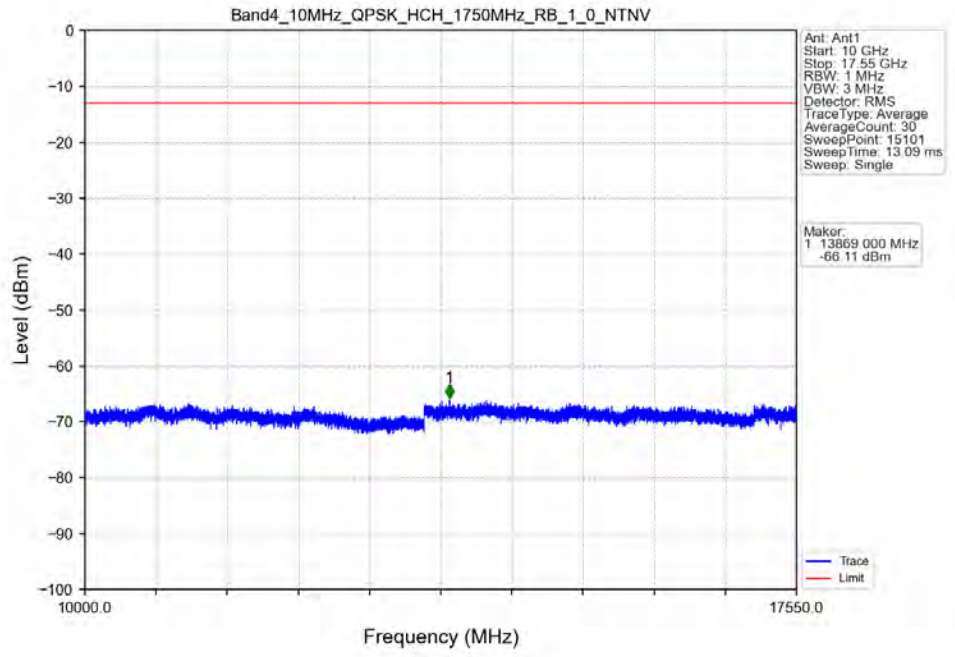
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



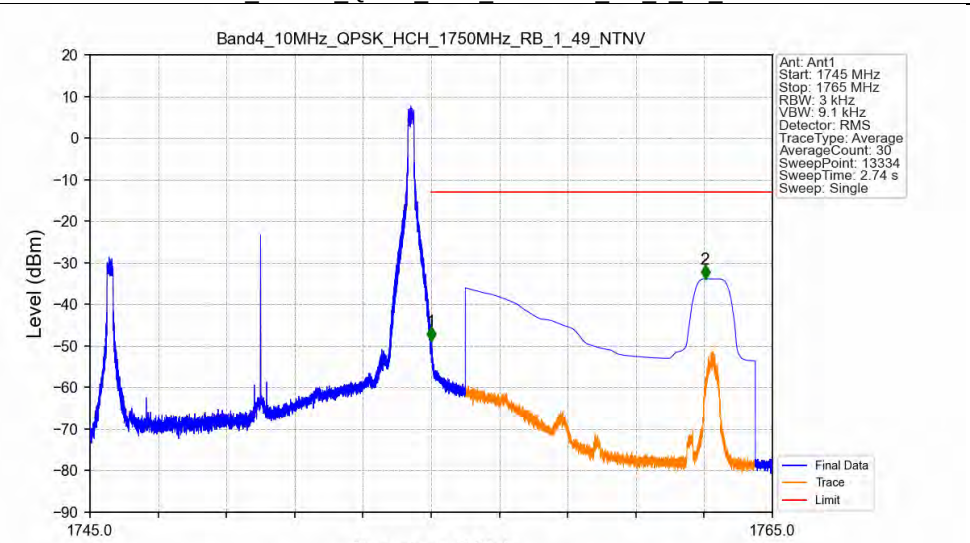
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV


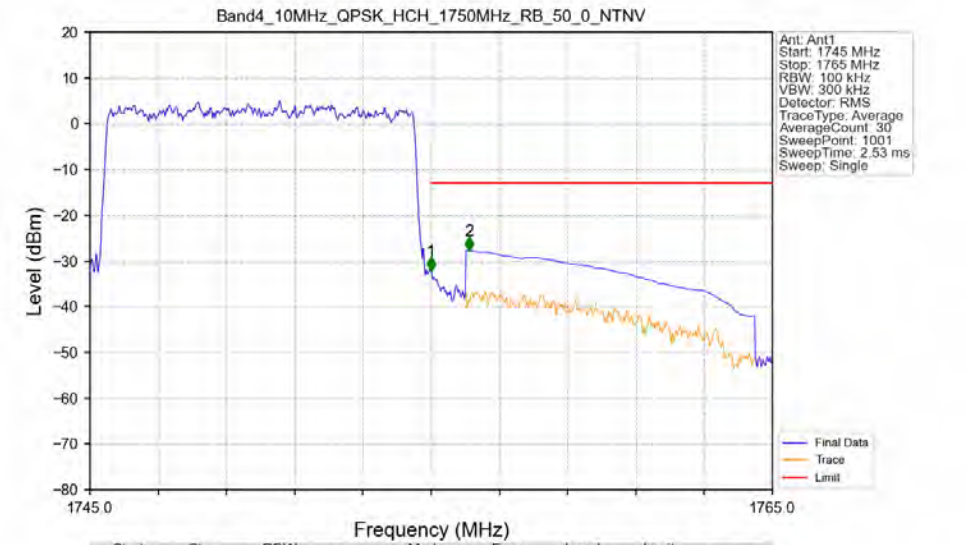
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV


Band4_10MHz_QPSK_HCH_1750MHz_RB_1_49_NTNV



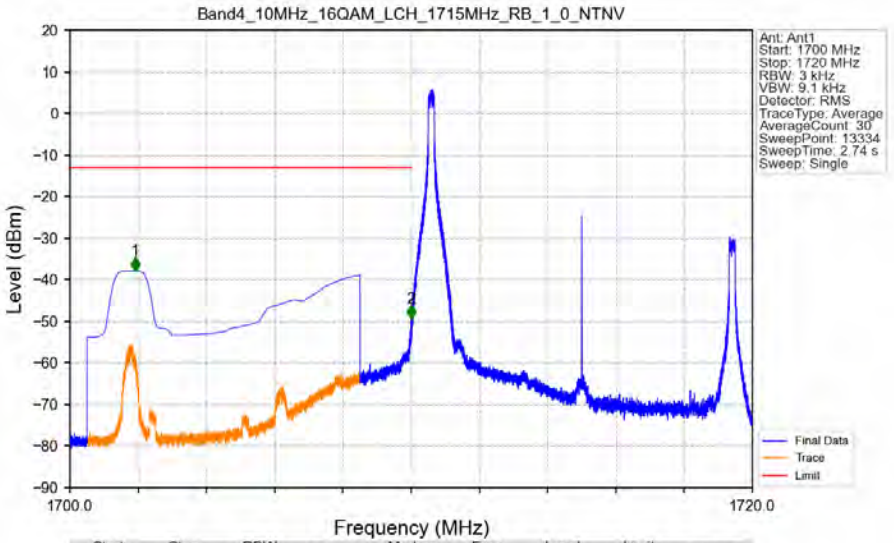
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.001	-48.83	-13	Pass
1756	1765	1	CHP	2	1763.029	-33.89	-13	Pass

Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



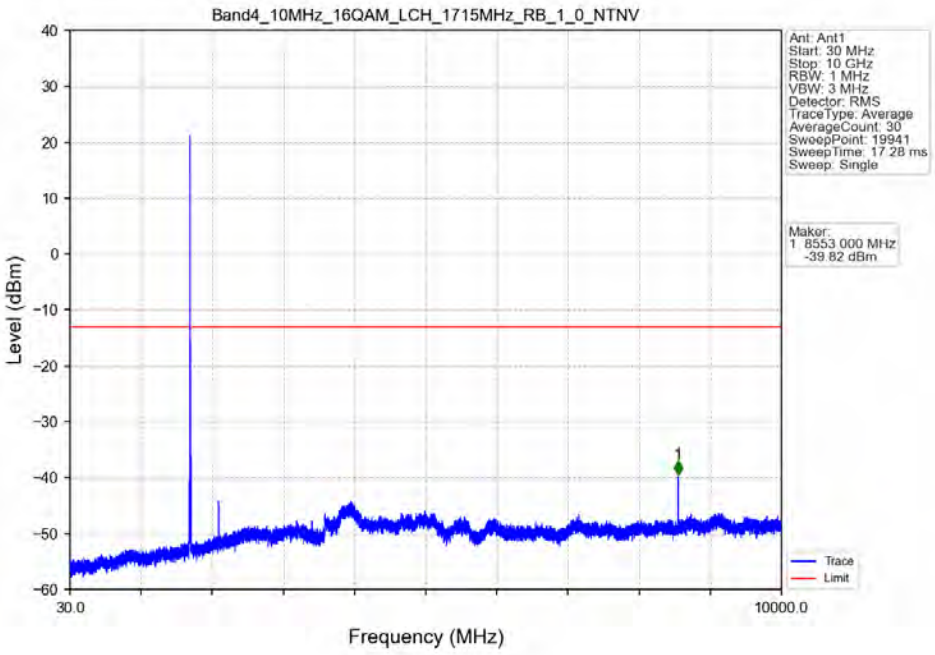
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.000	-32.21	-13	Pass
1756	1765	1	CHP	2	1756.120	-27.75	-13	Pass

Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

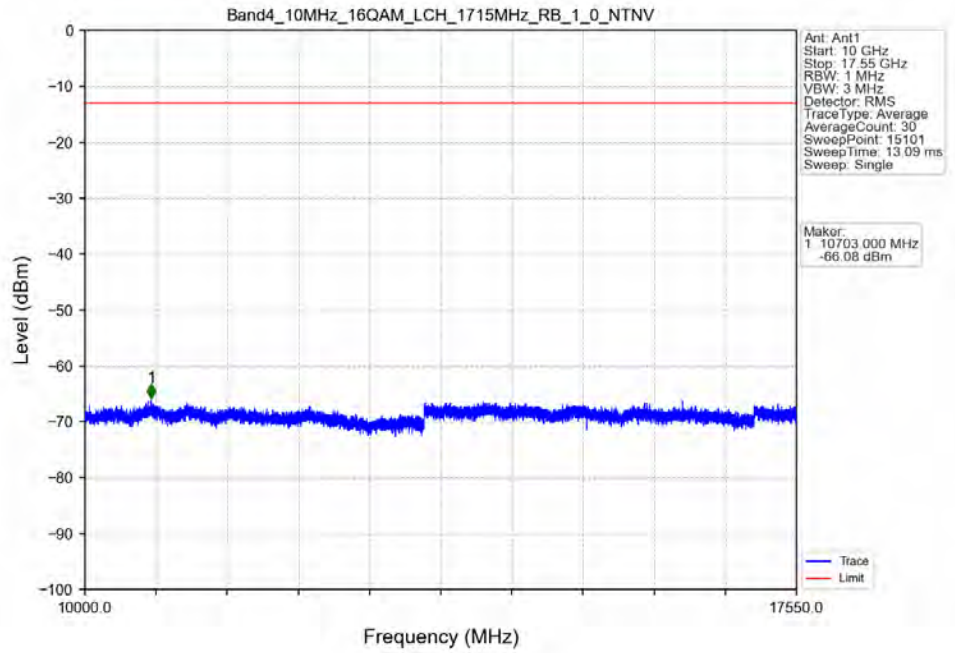


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1701.904	-37.92	-13	Pass
1709	1710	0.003	/	2	1709.996	-49.39	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

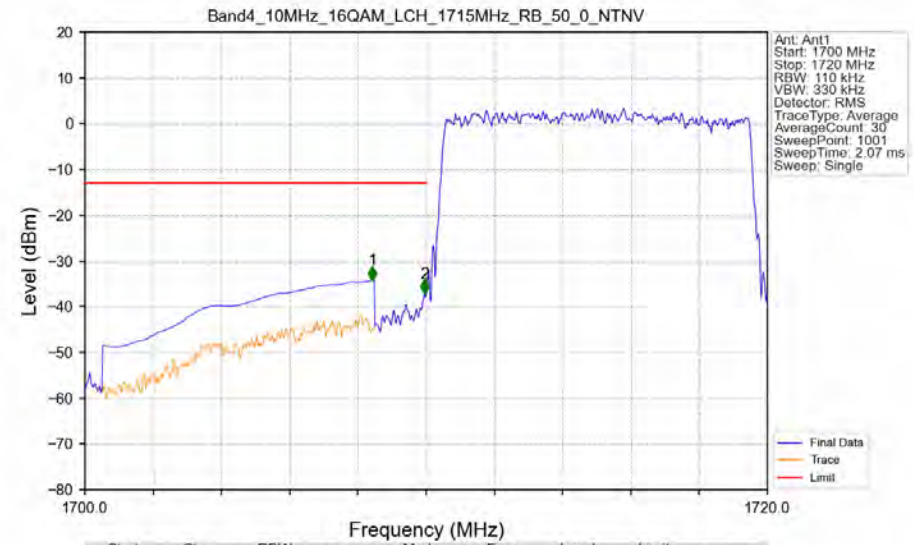
Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

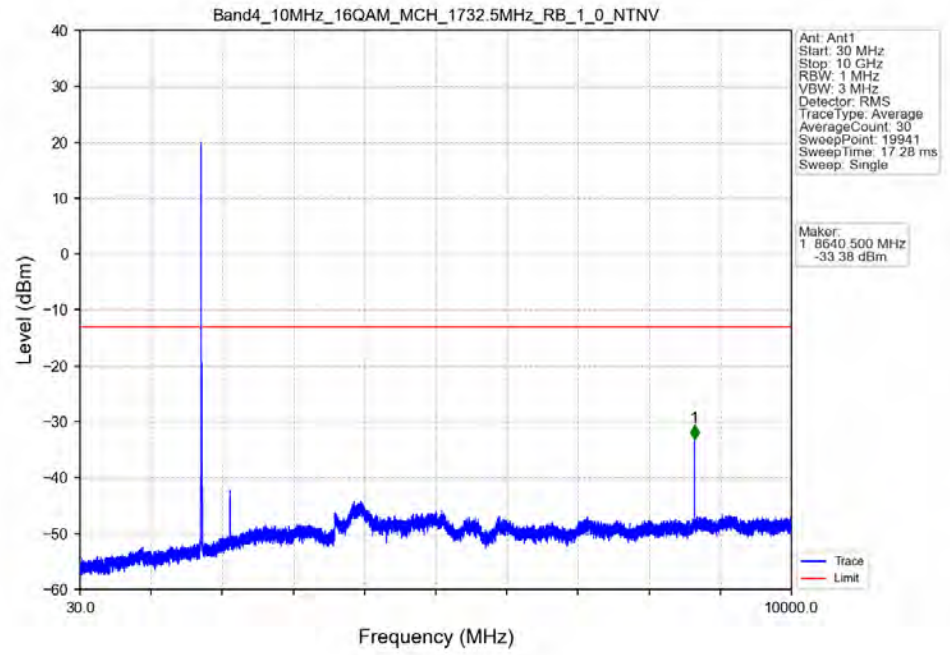


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

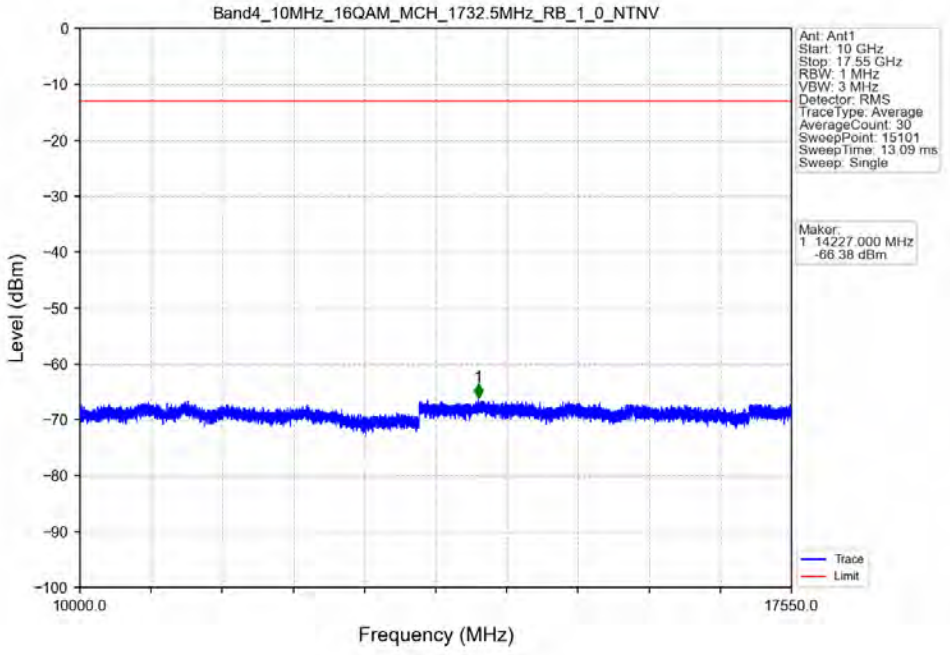


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.420	-34.23	-13	Pass
1709	1710	0.11	/	2	1709.960	-37.20	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

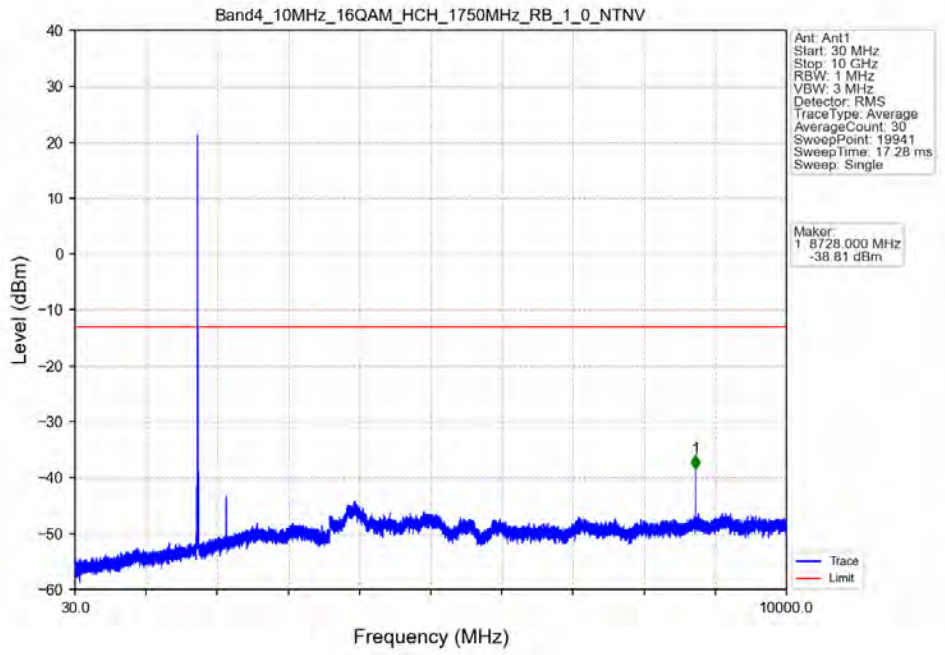
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



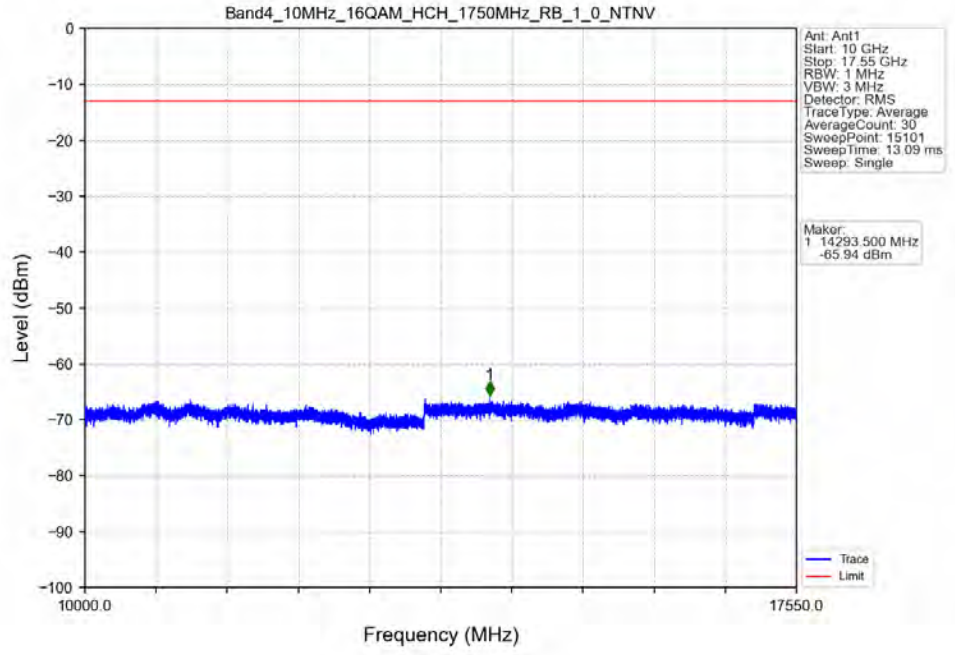
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



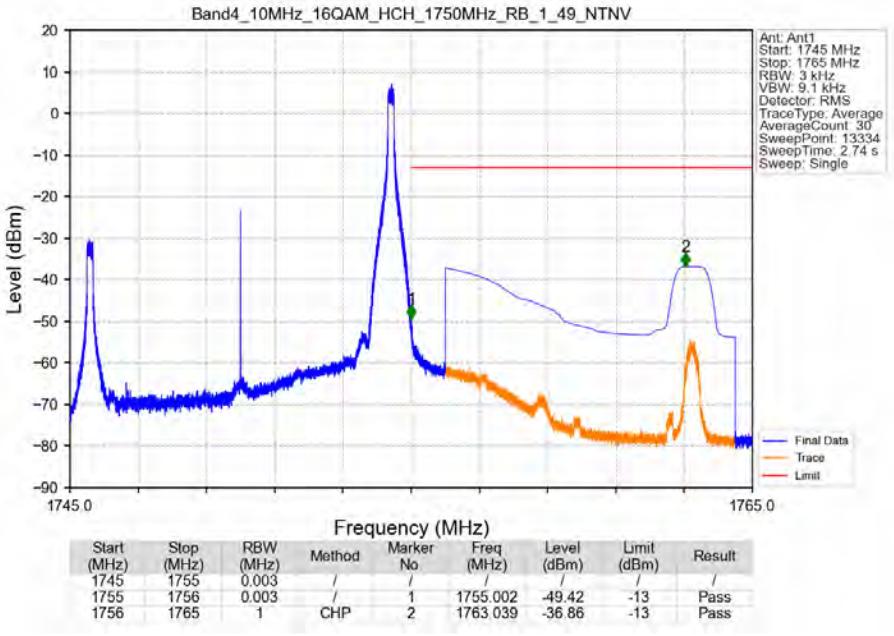
Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV



Band4_10MHz_16QAM_HCH_1750MHz_RB_1_0_NTNV

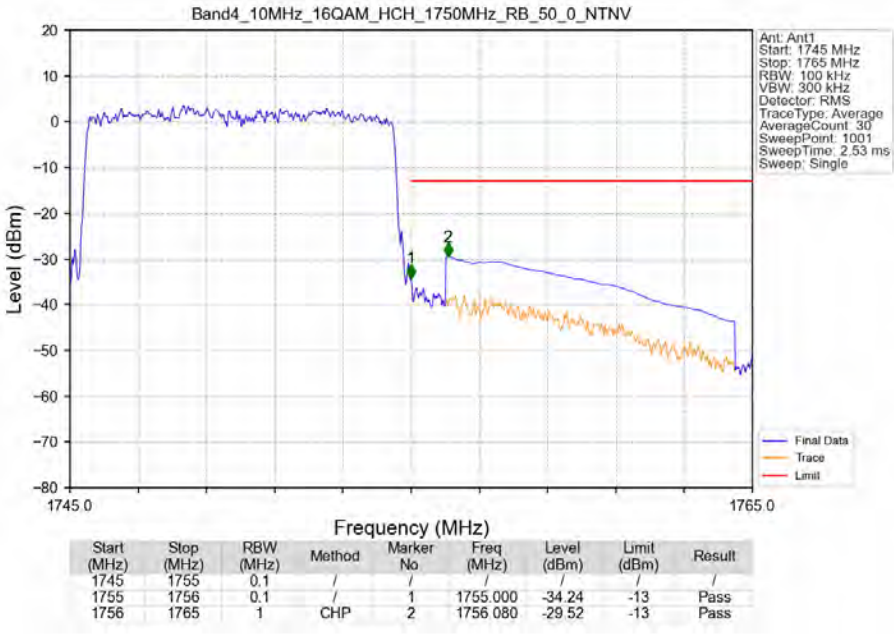


Band4_10MHz_16QAM_HCH_1750MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-49.42	-13	Pass
1756	1765	1	CHP	2	1763.039	-36.86	-13	Pass

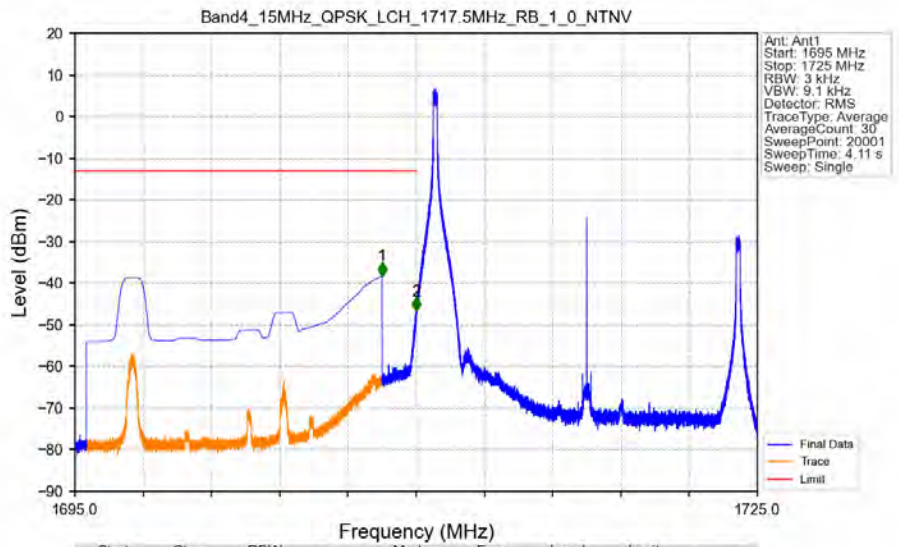
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1745	1755	0.1	/	/	/	/	/	/
1755	1756	0.1	/	1	1755.000	-34.24	-13	Pass
1756	1765	1	CHP	2	1756.080	-29.52	-13	Pass

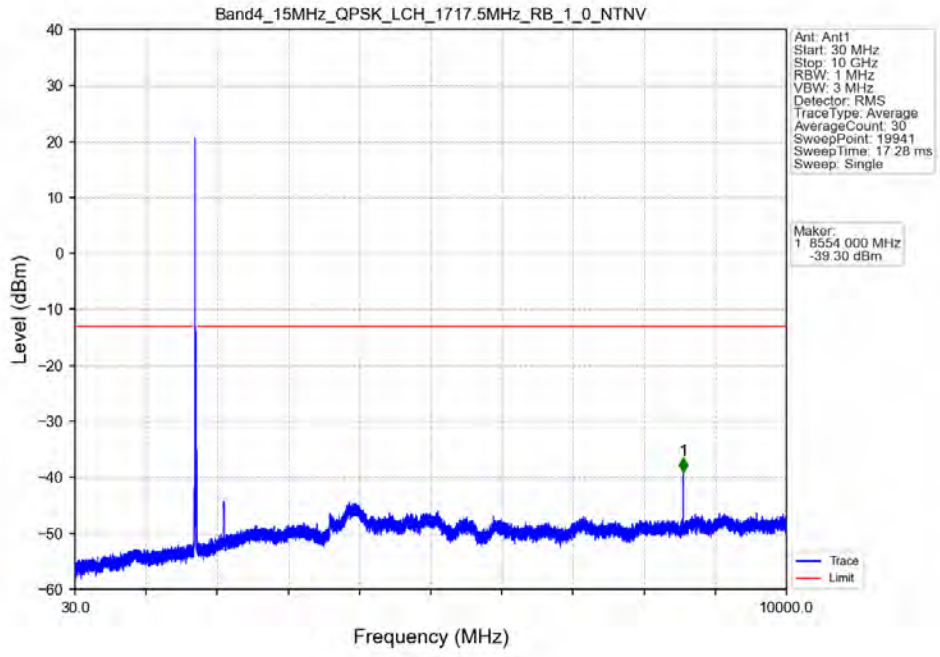
5.2.5 B4_15MHz

Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

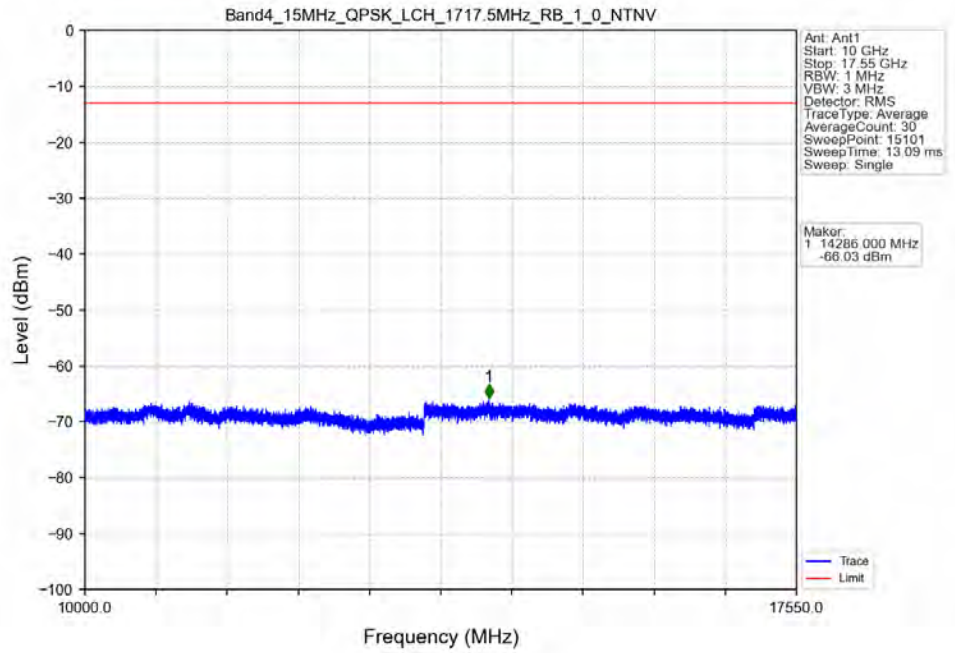


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.498	-38.30	-13	Pass
1709	1710	0.003	/	2	1709.994	-46.74	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

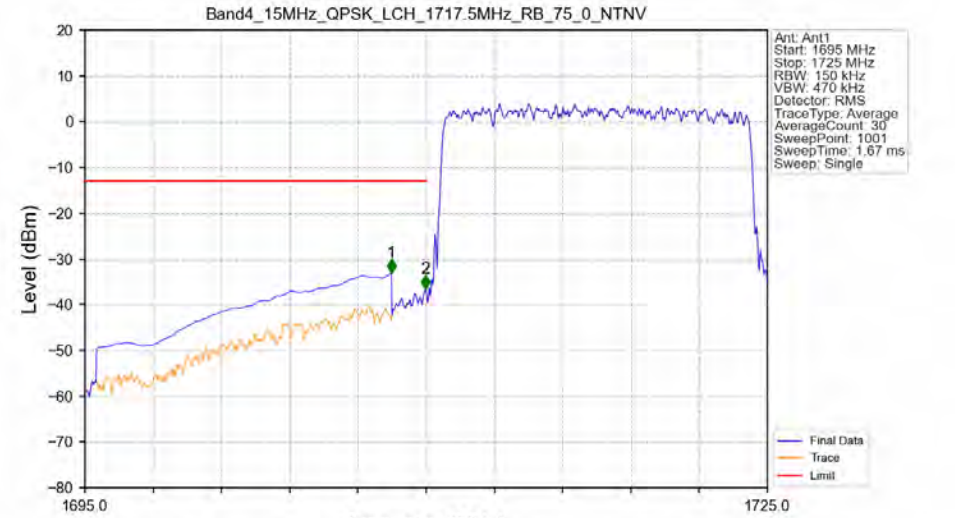
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

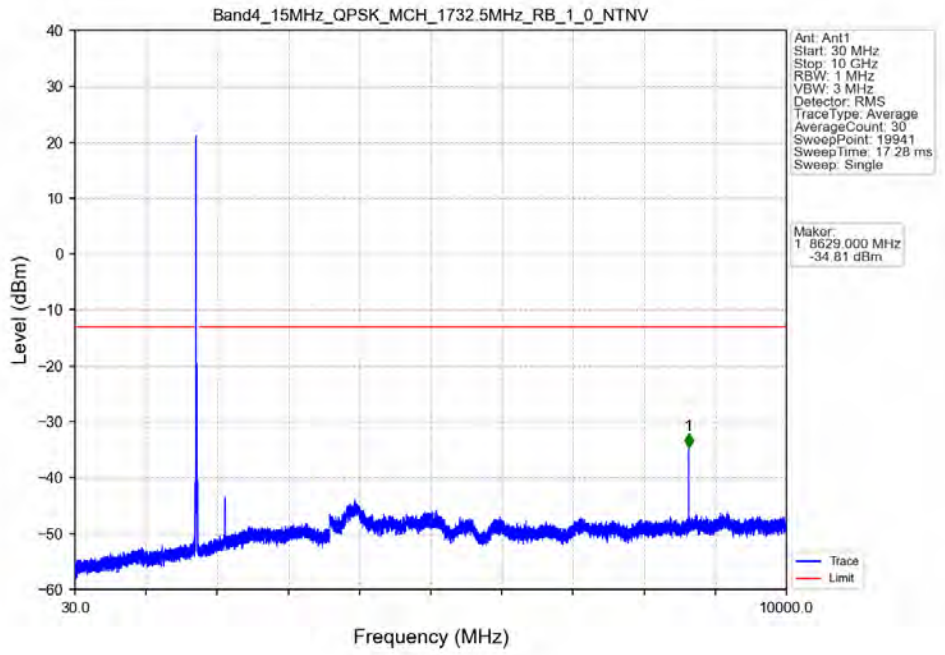


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

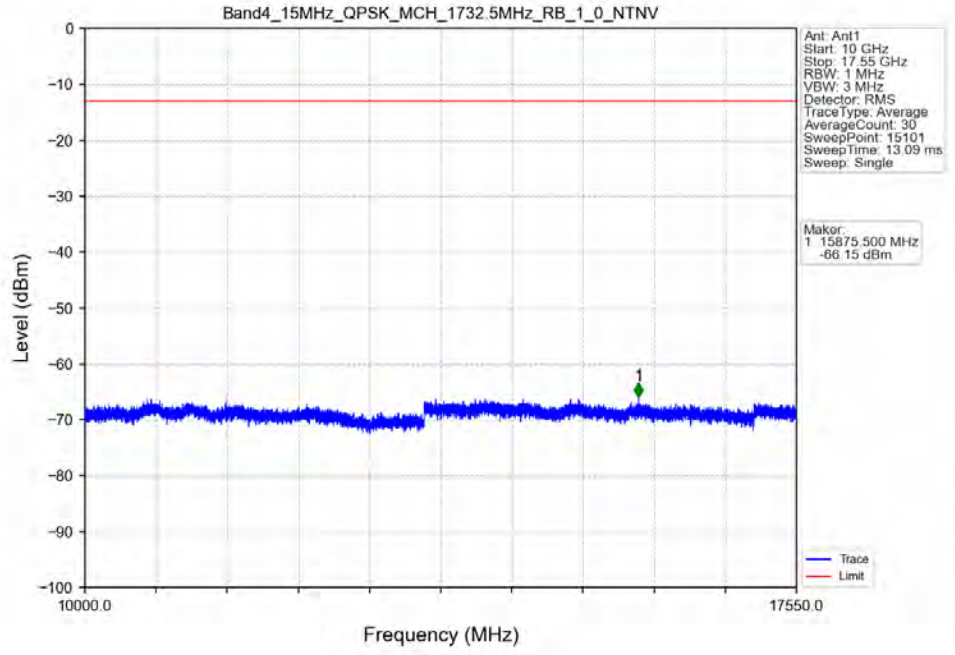


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-33.00	-13	Pass
1709	1710	0.15	/	2	1709.970	-36.53	-13	Pass
1710	1725	0.15	/	/	/	/	/	/

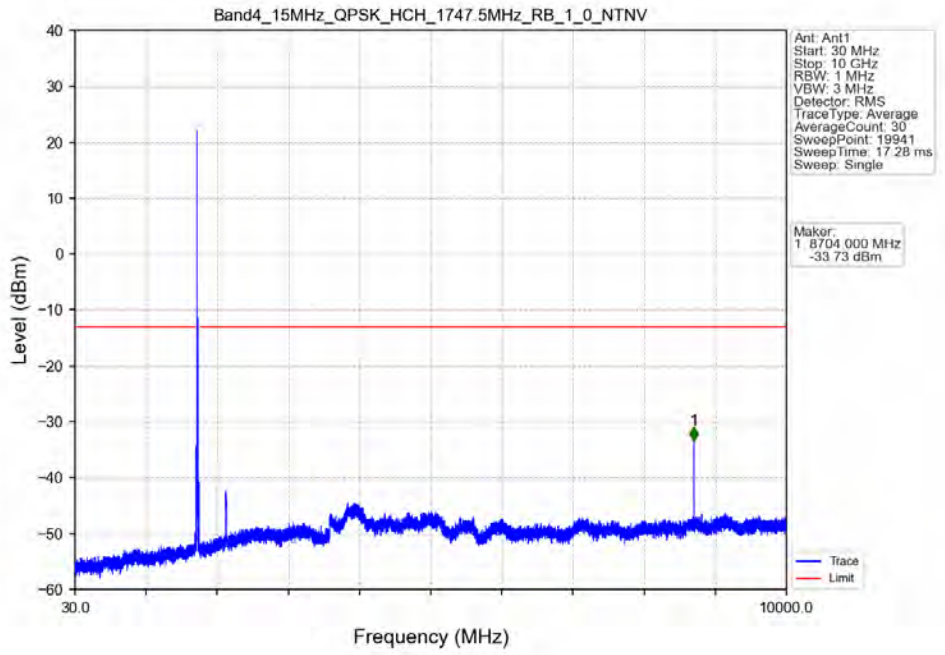
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



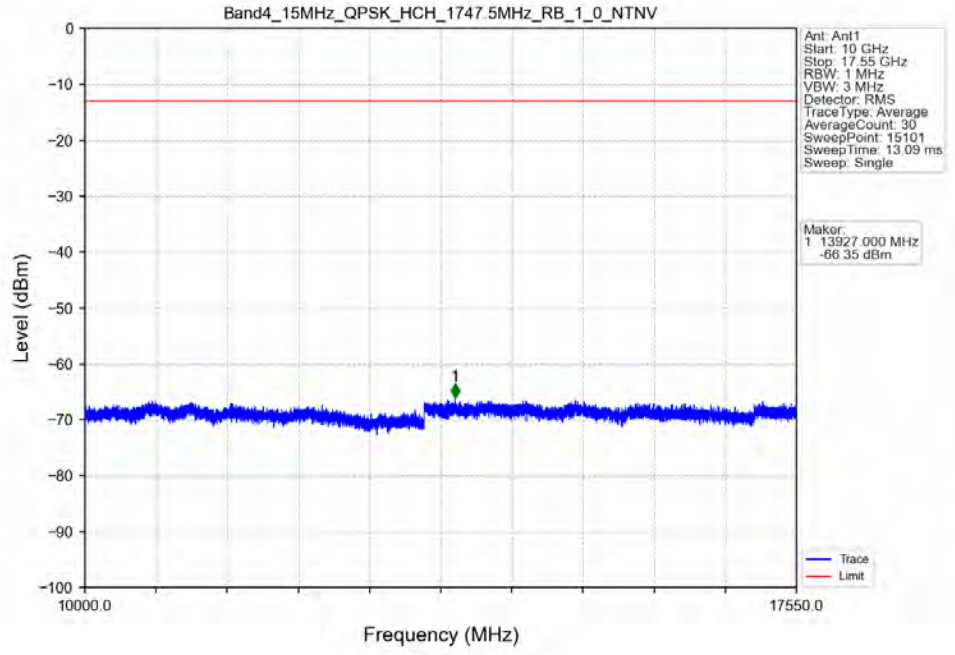
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



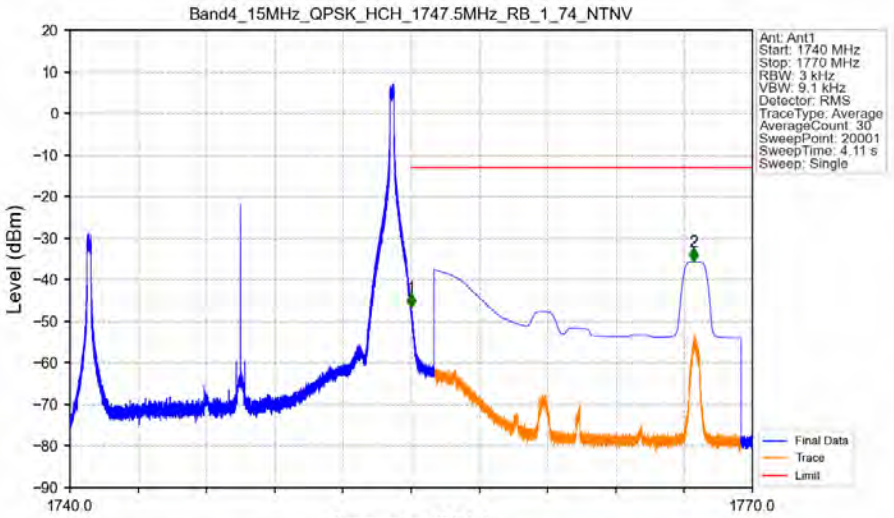
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_0_NTNV

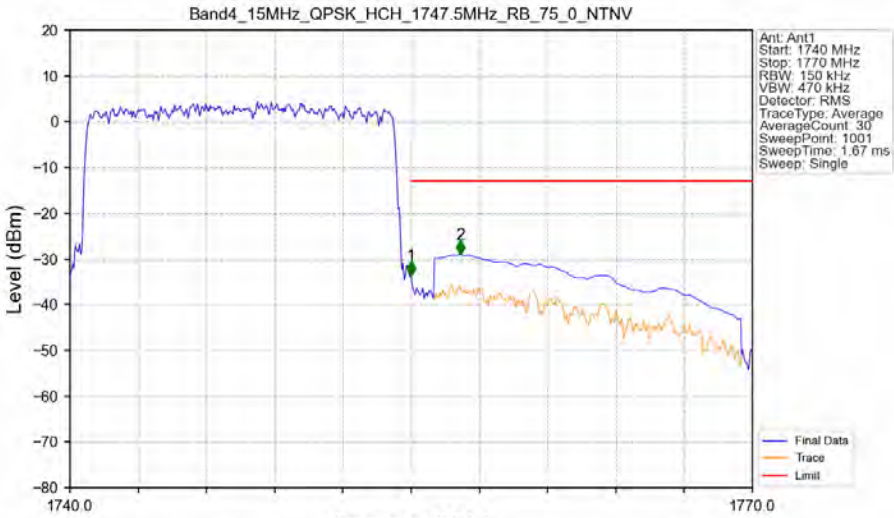


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_1_74_NTNV



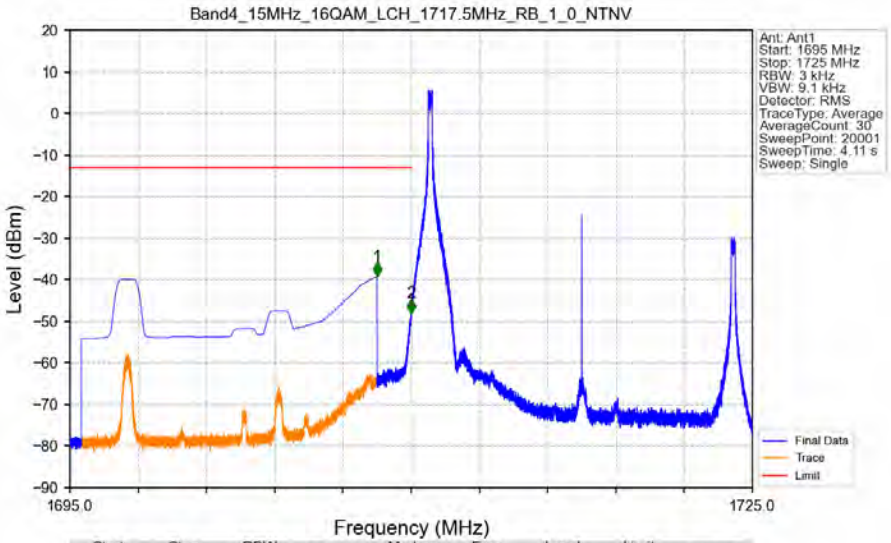
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.002	-46.70	-13	Pass
1756	1770	1	CHP	2	1767.420	-35.72	-13	Pass

Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



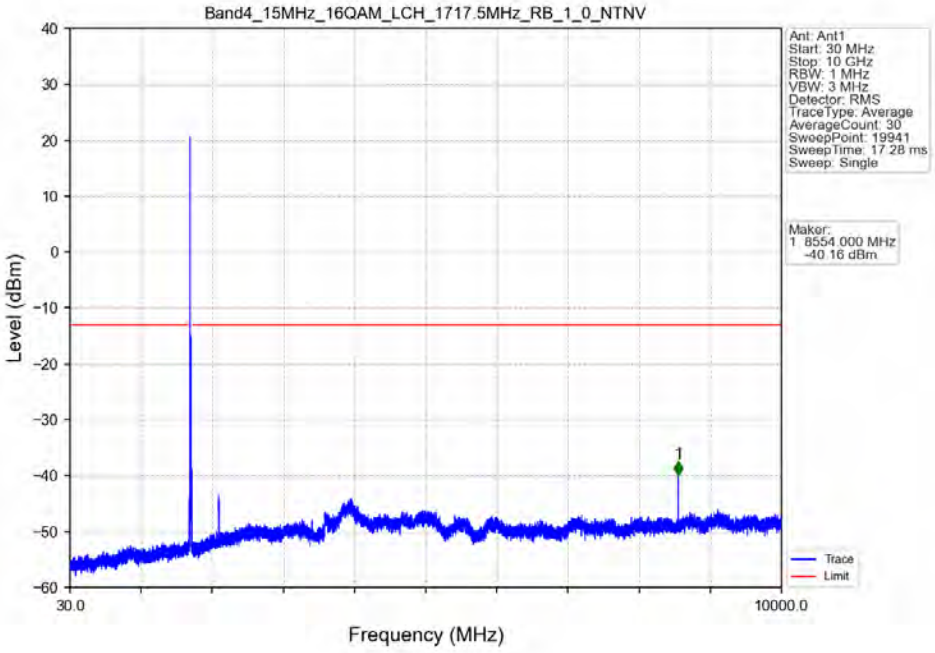
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	/	/	/	/	/	/
1755	1756	0.15	/	1	1755.000	-33.65	-13	Pass
1756	1770	1	CHP	2	1757.160	-29.02	-13	Pass

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

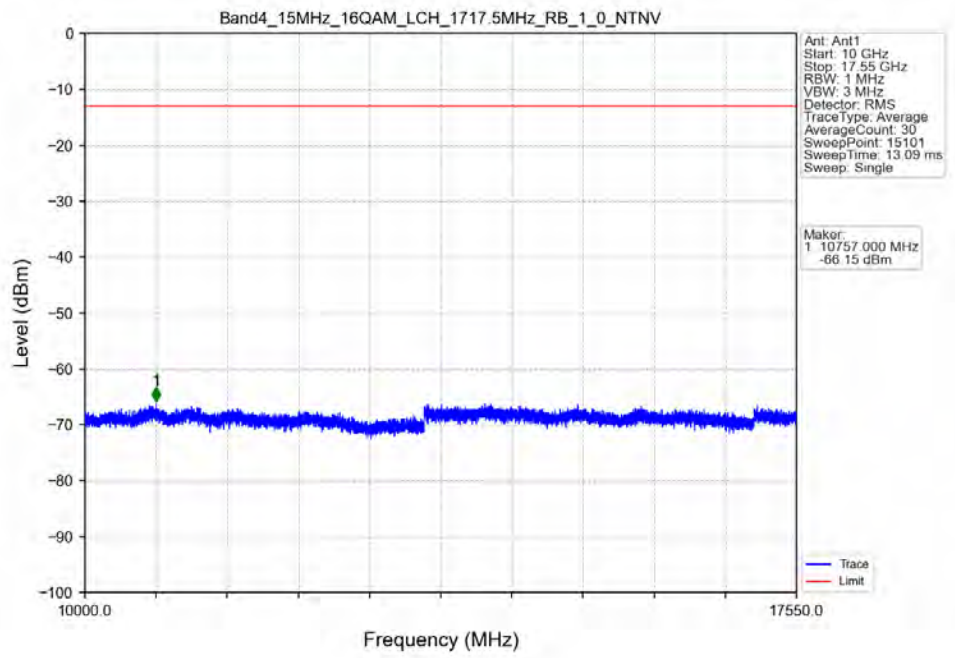


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.497	-39.23	-13	Pass
1709	1710	0.003	/	2	1710.000	-48.00	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

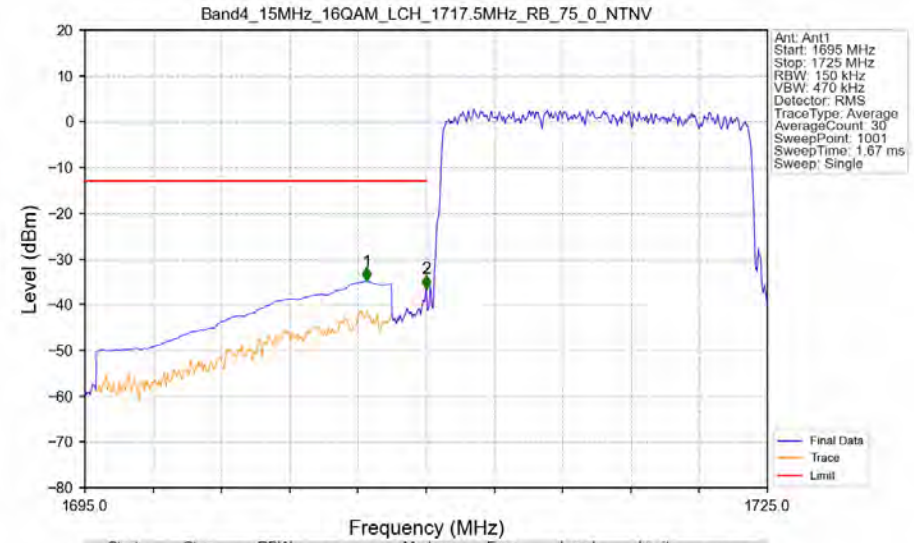
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



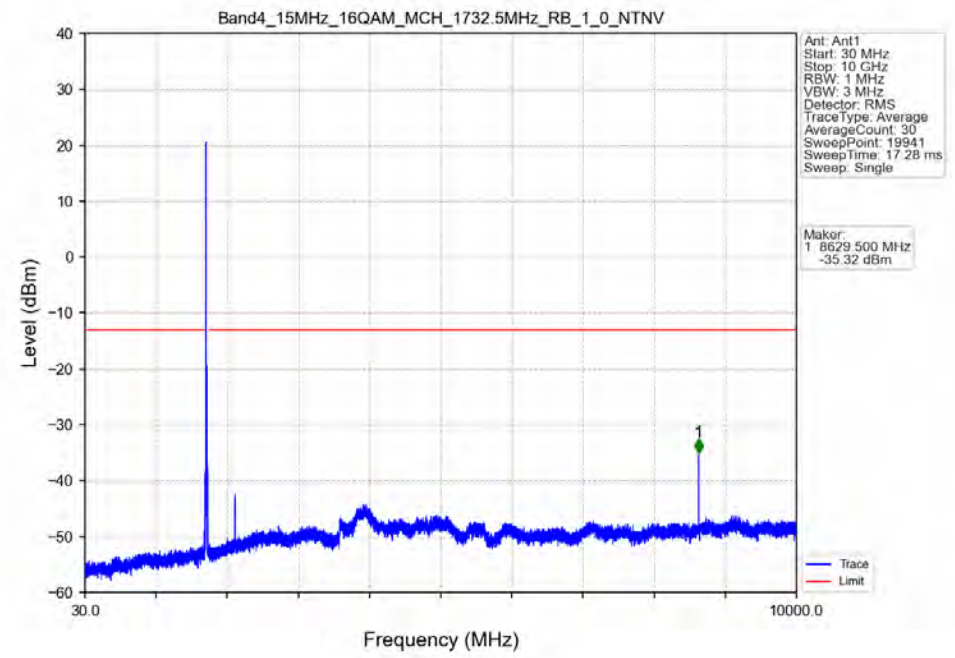
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

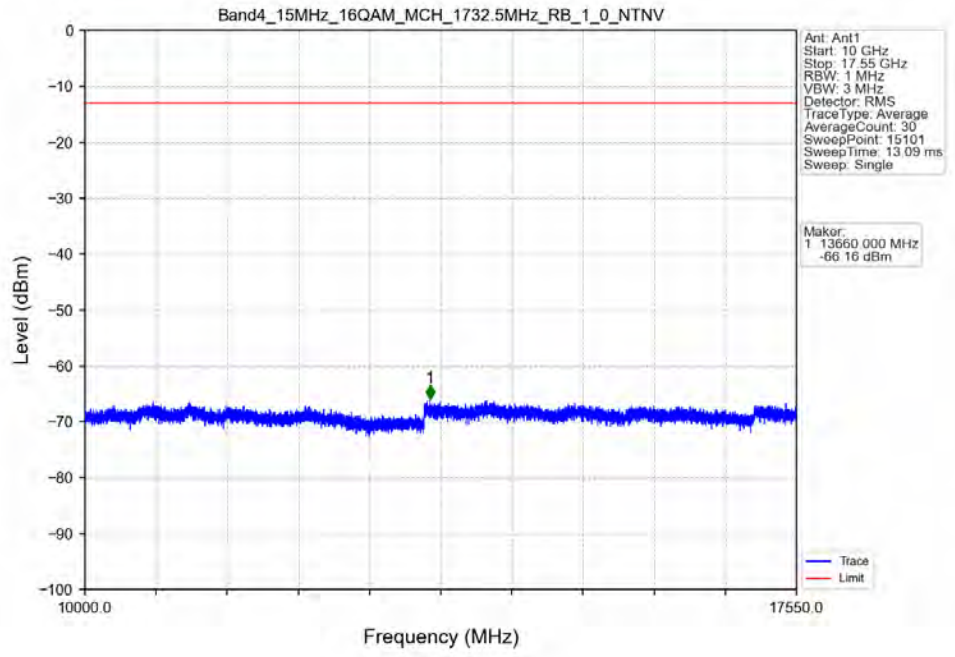


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

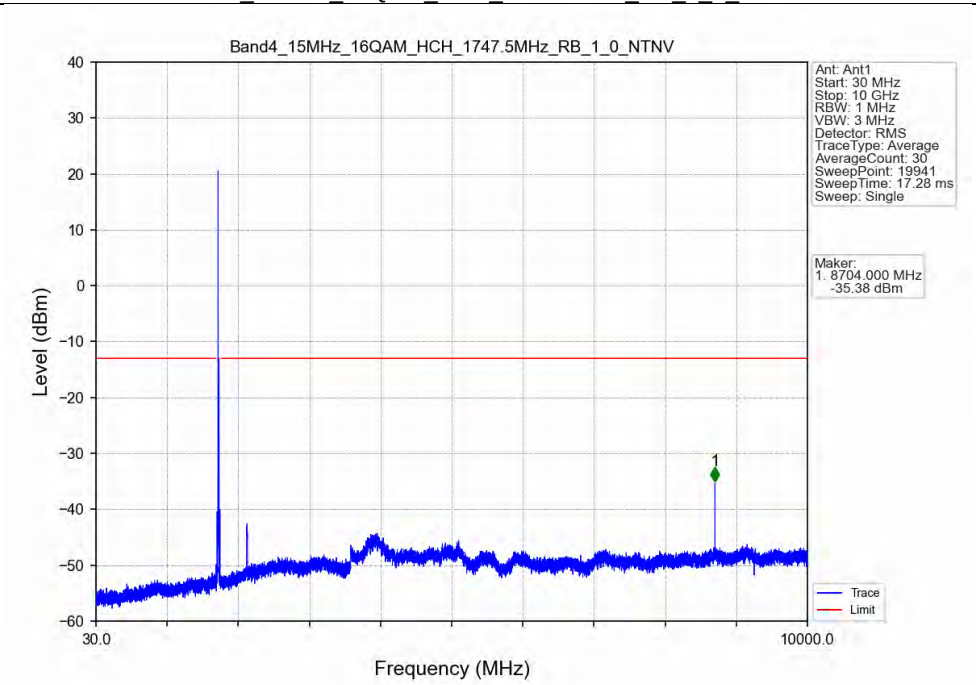


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1707.390	-34.83	-13	Pass
1709	1710	0.15	/	2	1710.000	-36.53	-13	Pass
1710	1725	0.15	/	/	/	/	/	/

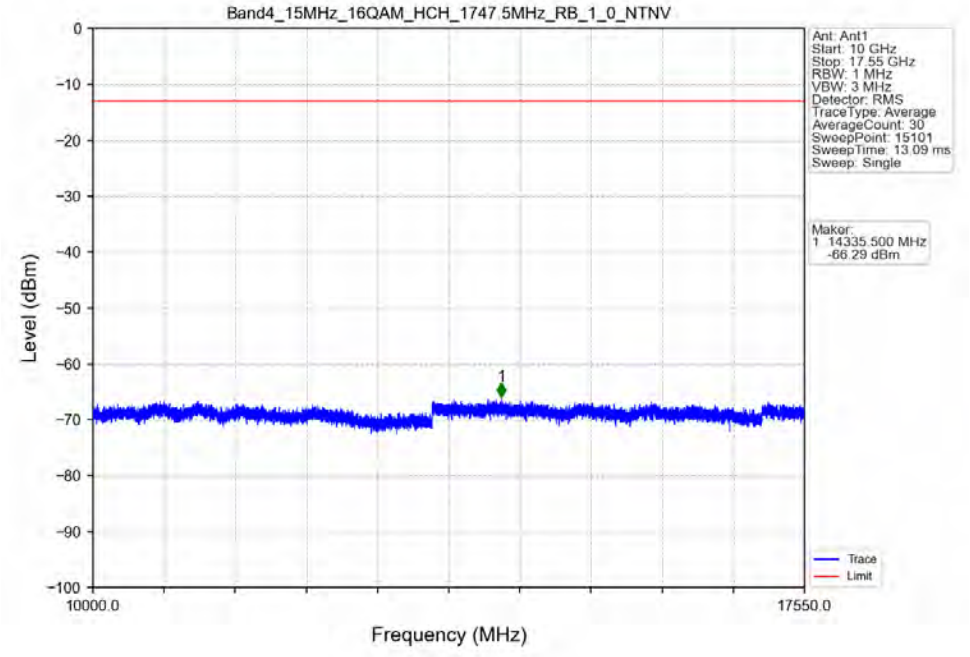
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV


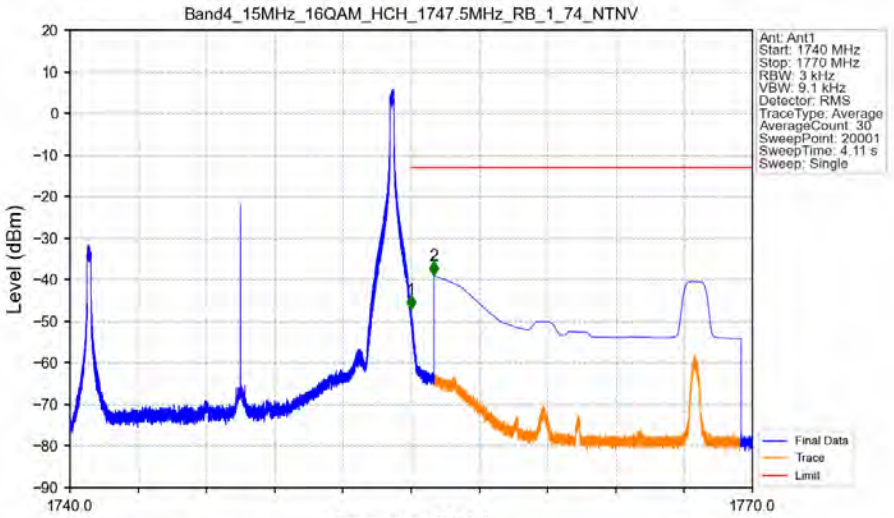
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_0_NTNV

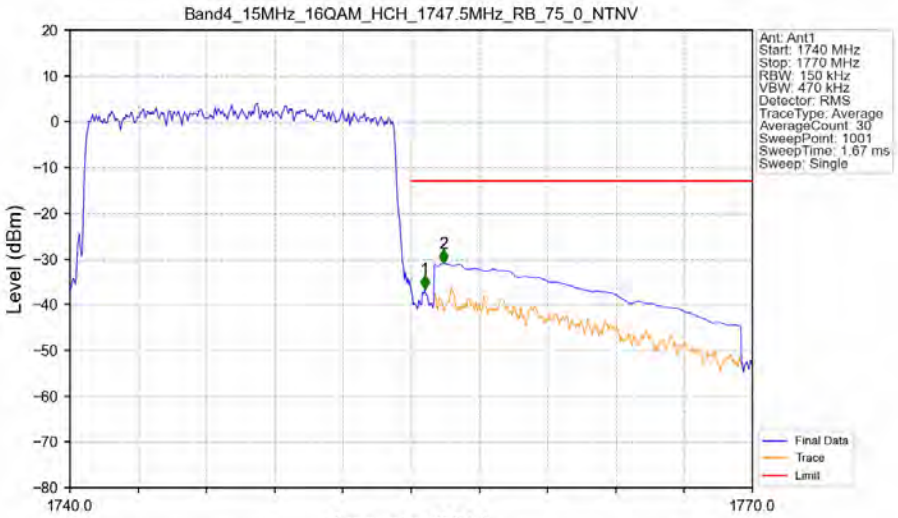


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_1_74_NTNV



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	-47.11	-13	Pass
1756	1770	1	CHP	2	1756.001	-39.04	-13	Pass

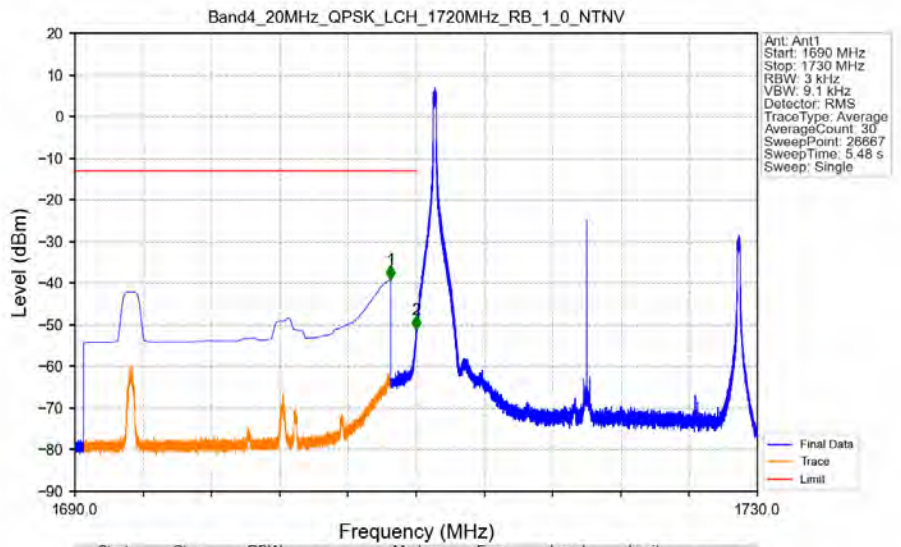
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1740	1755	0.15	/	/	/	/	/	/
1755	1756	0.15	/	1	1755.600	-36.68	-13	Pass
1756	1770	1	CHP	2	1756.410	-30.94	-13	Pass

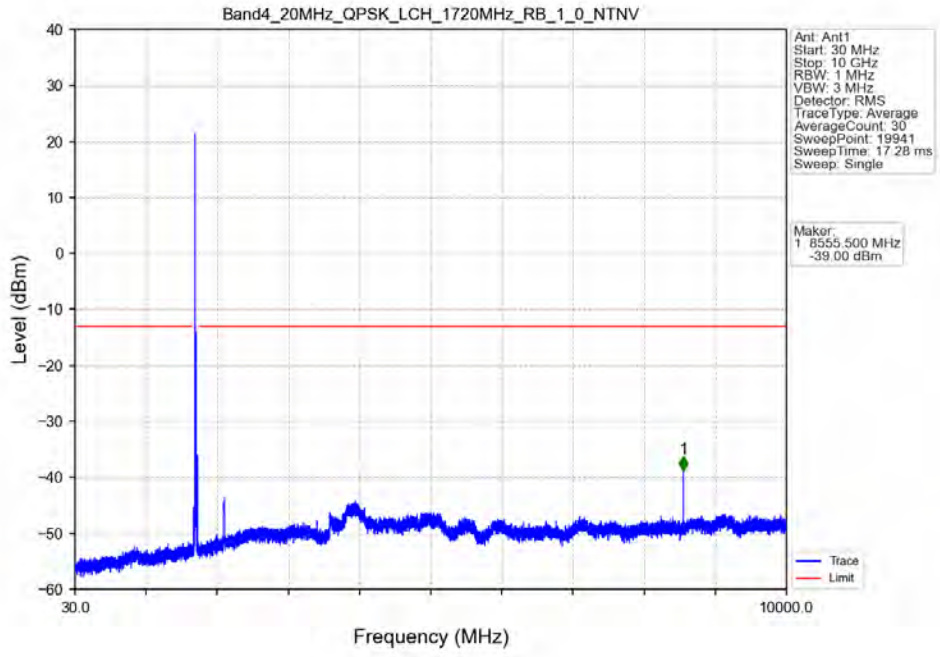
5.2.6 B4_20MHz

Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

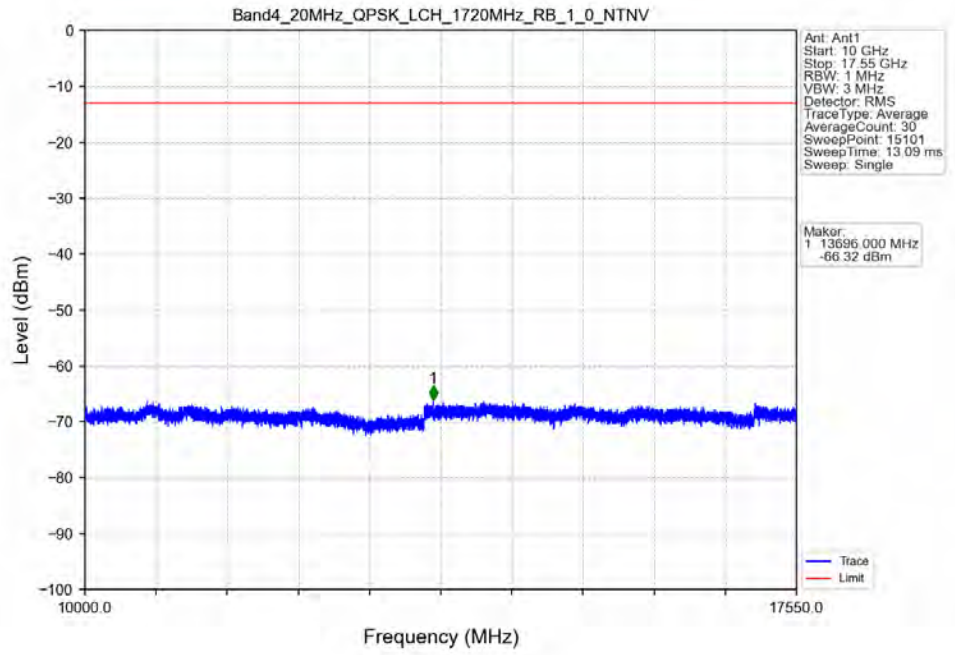


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.498	-39.13	-13	Pass
1709	1710	0.003	/	2	1709.995	-51.27	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

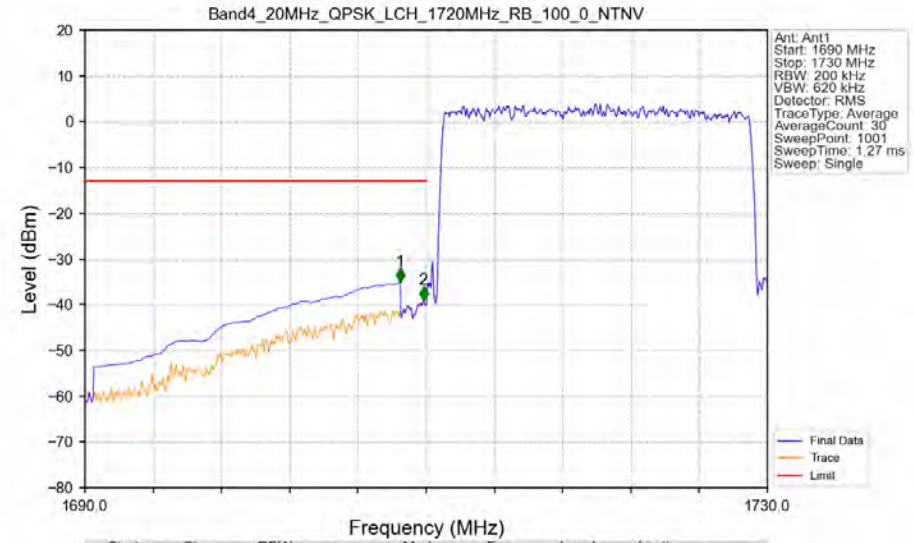
Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

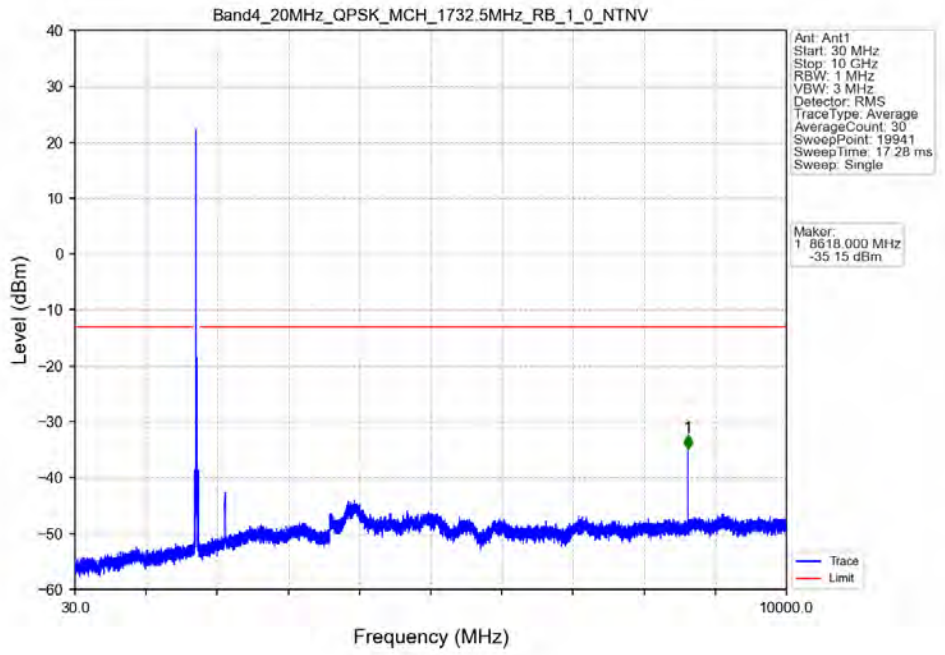


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

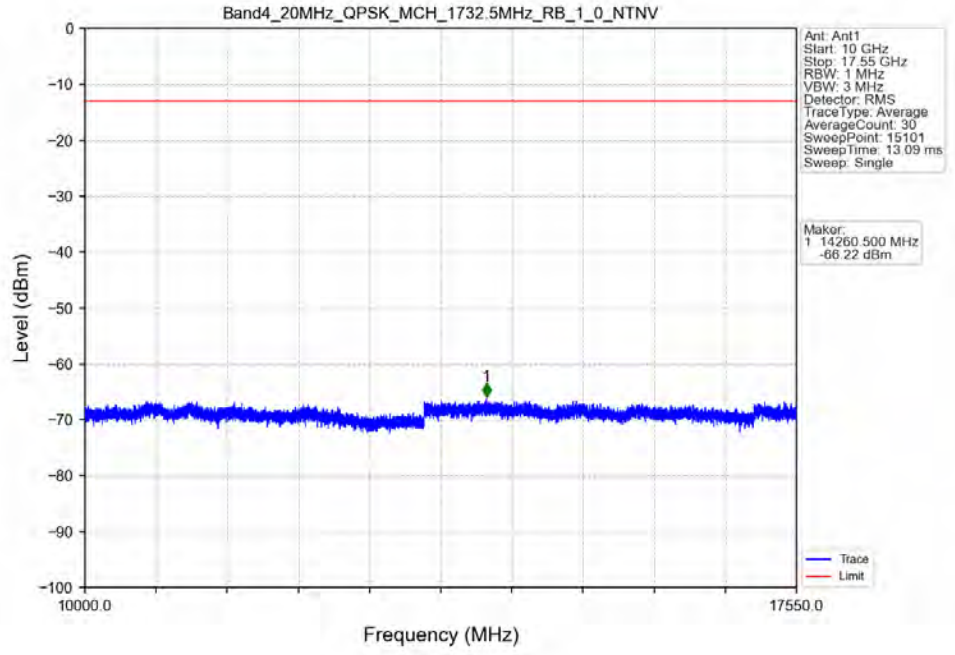


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-34.96	-13	Pass
1709	1710	0.2	/	2	1709.840	-38.99	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

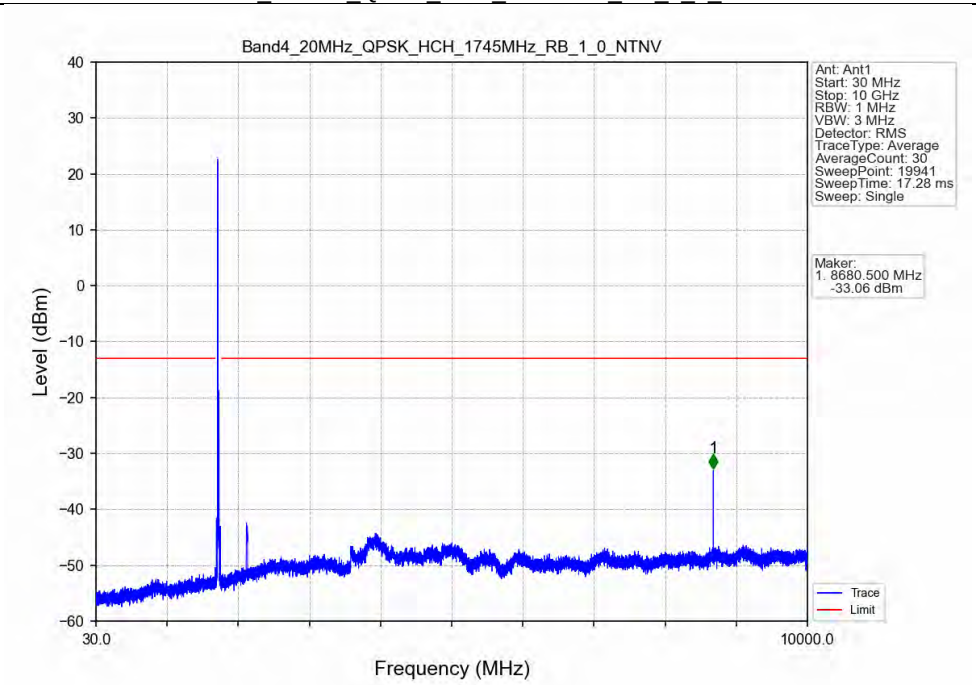
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



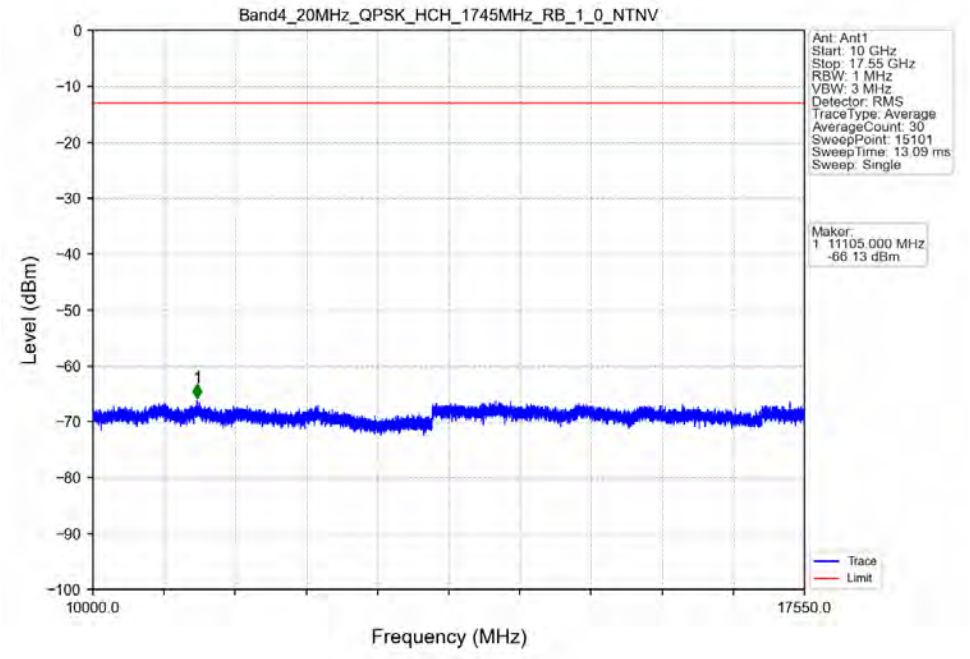
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



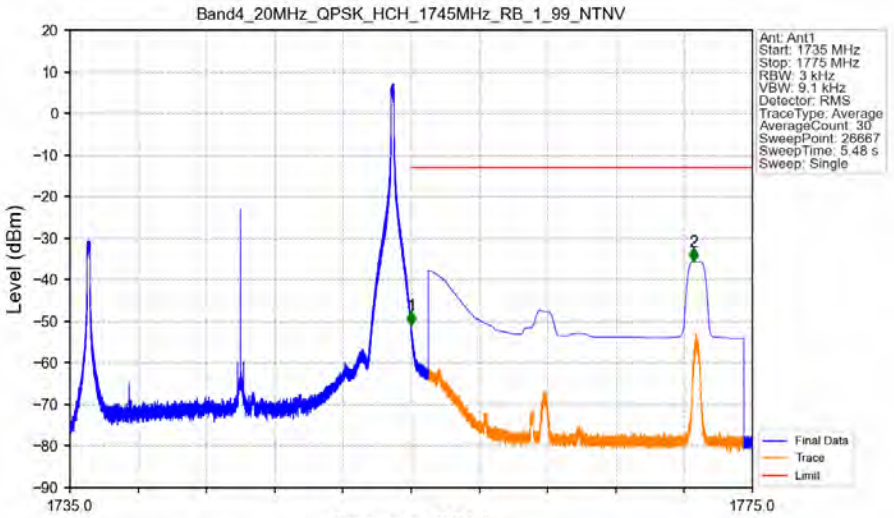
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV

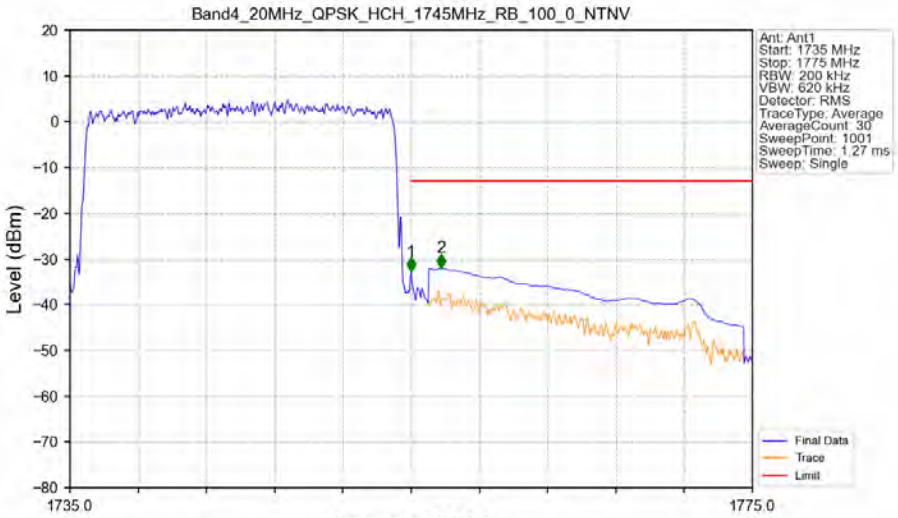


Band4_20MHz_QPSK_HCH_1745MHz_RB_1_99_NTNV



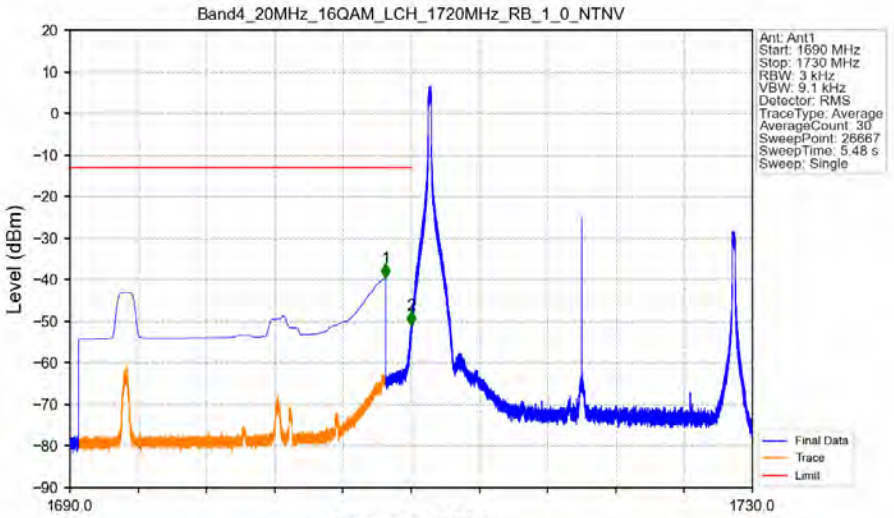
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.003	-51.01	-13	Pass
1756	1775	1	CHP	2	1771.571	-35.66	-13	Pass

Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



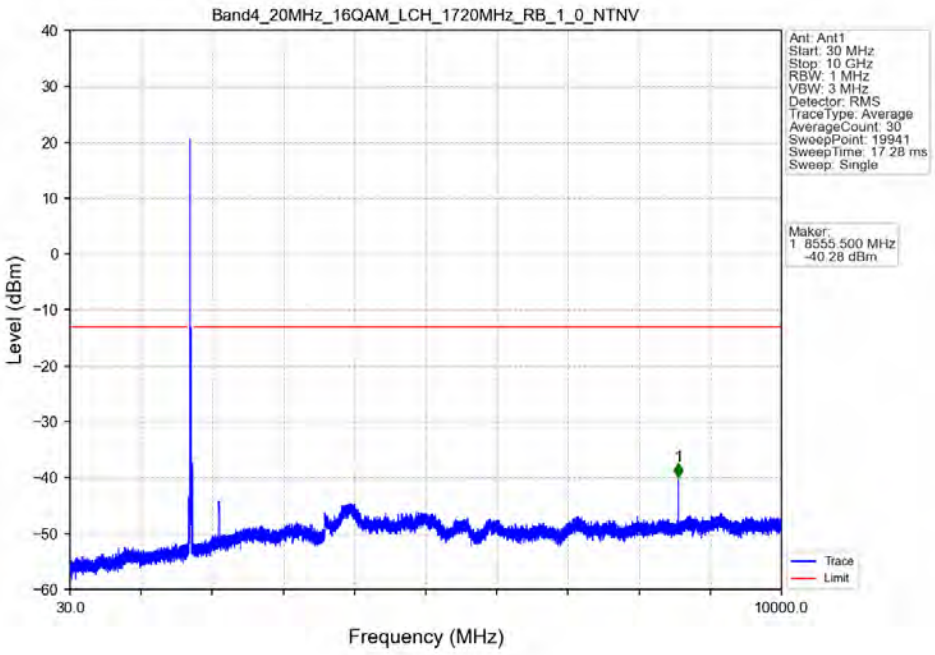
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	/	/	/	/	/	/
1755	1756	0.2	/	1	1755.000	-32.69	-13	Pass
1756	1775	1	CHP	2	1756.760	-31.95	-13	Pass

Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

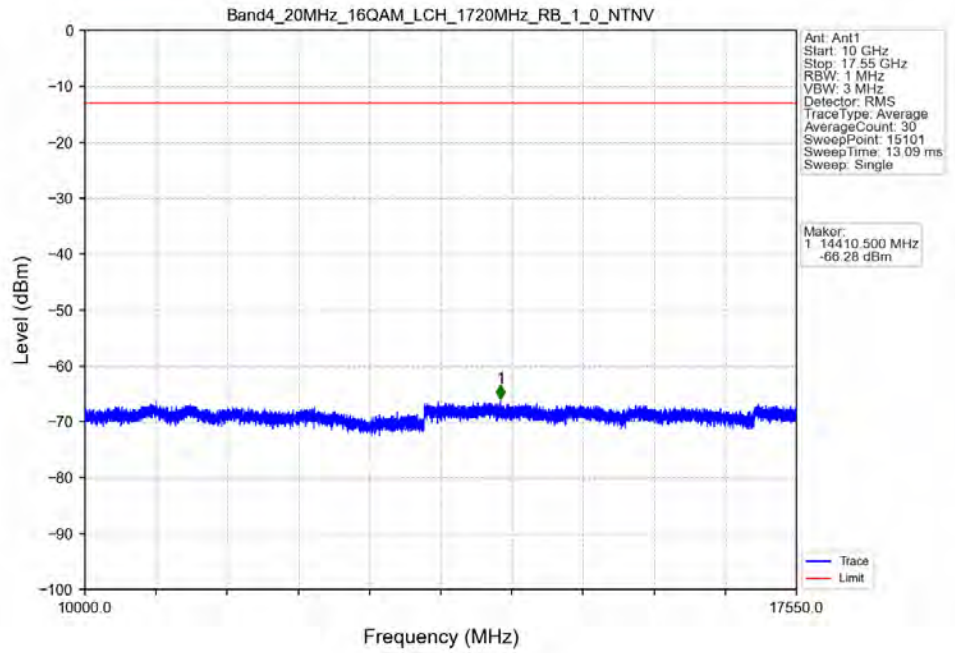


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.497	-39.62	-13	Pass
1709	1710	0.003	/	2	1709.994	-51.08	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

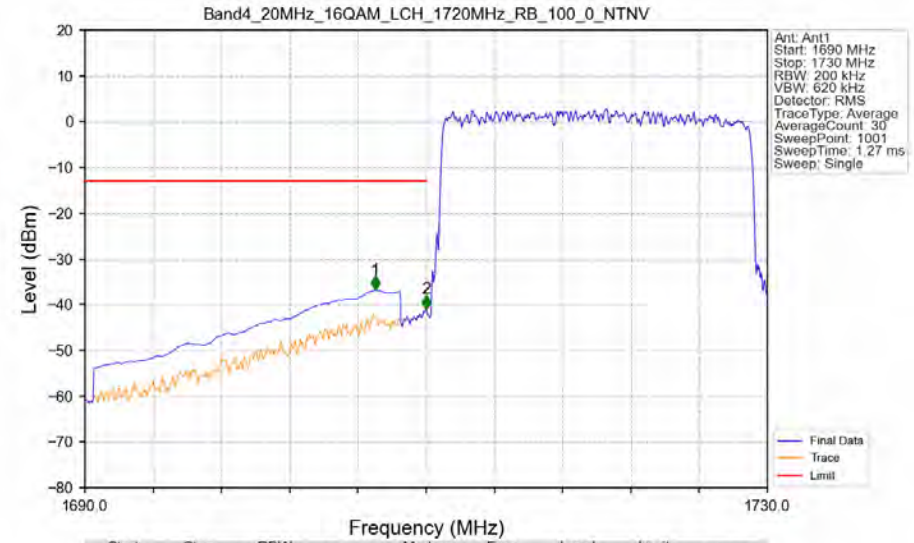
Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

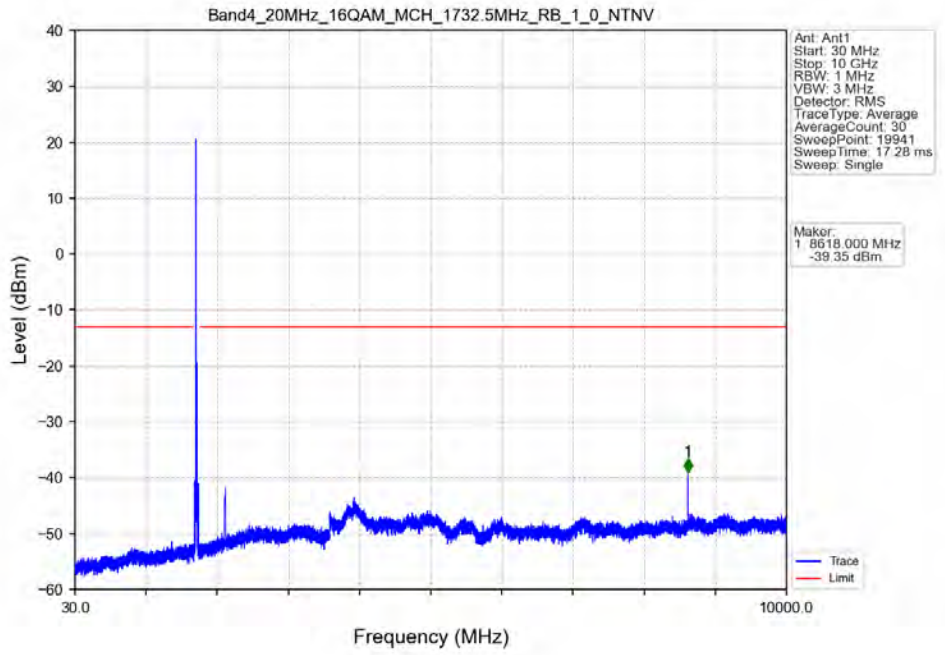


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

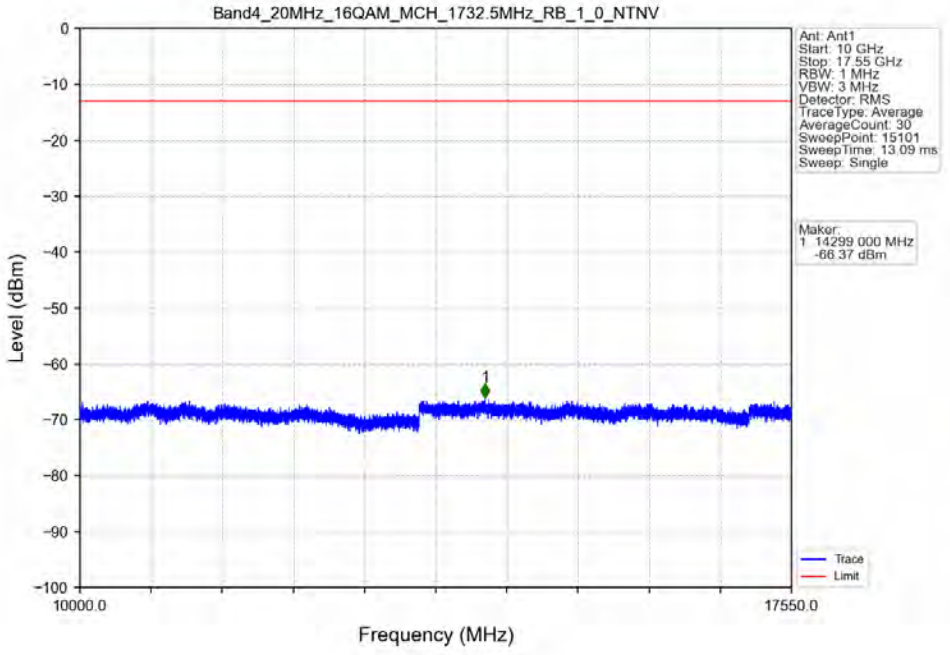


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1707.000	-36.87	-13	Pass
1709	1710	0.2	/	2	1710.000	-40.95	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

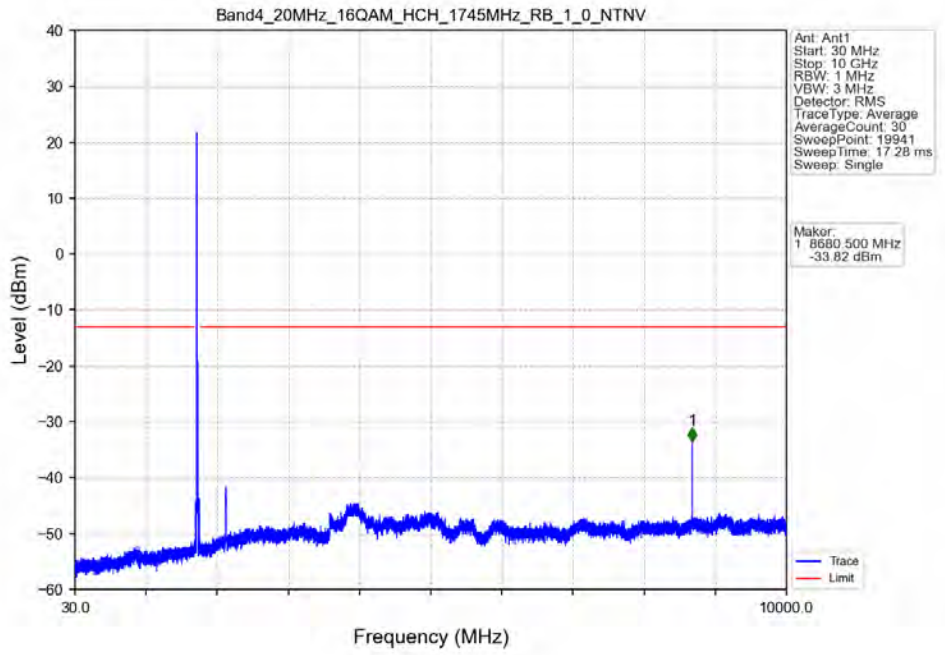
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



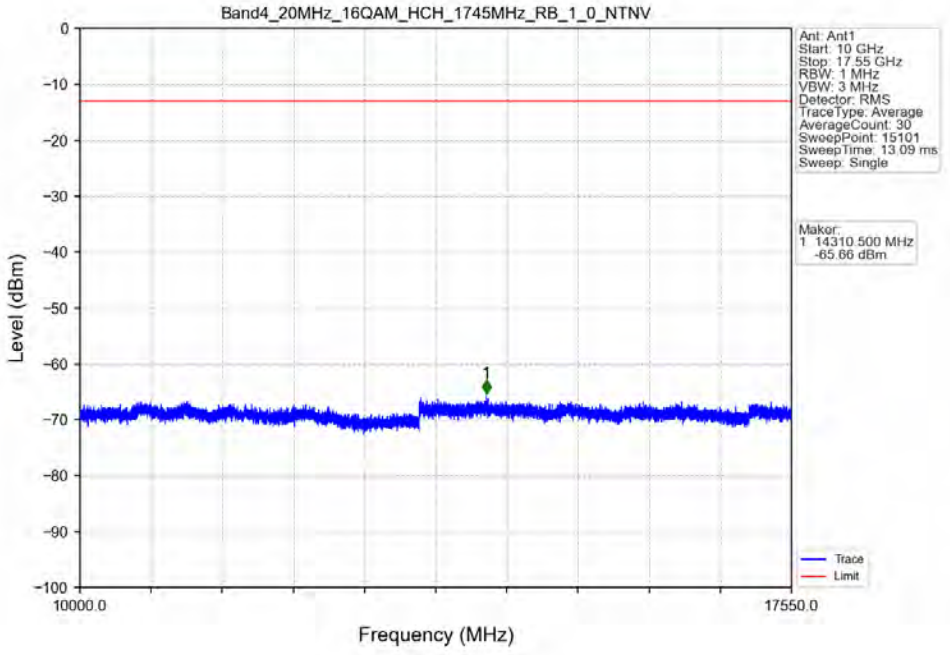
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



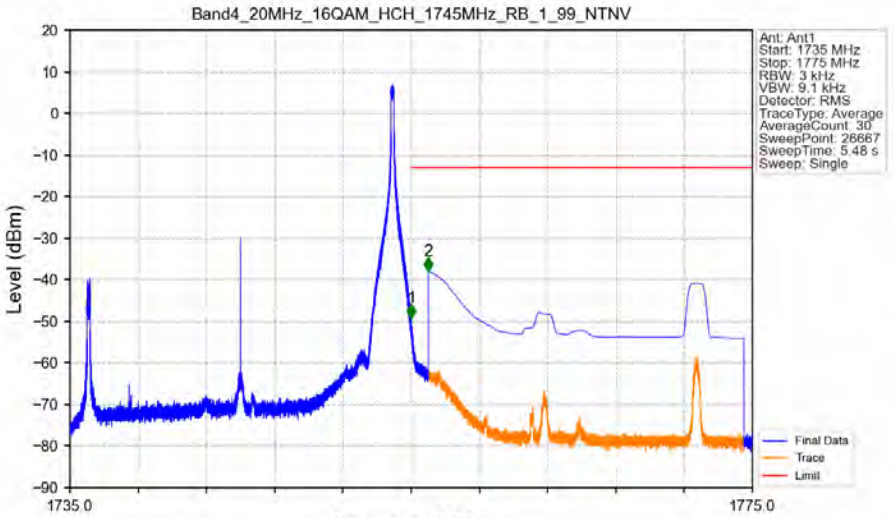
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV

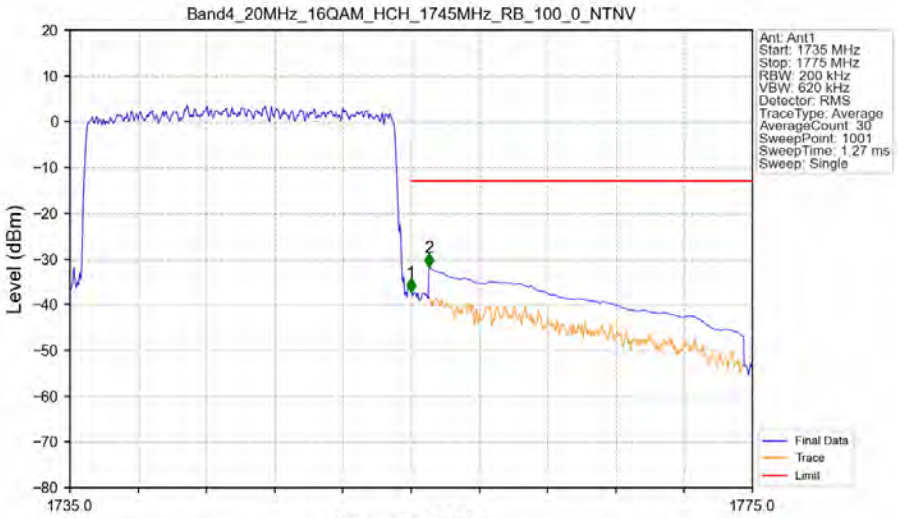


Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



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	1755.006	-49.18	-13	Pass
1756	1775	1	CHP	2	1756.001	-37.92	-13	Pass

Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1735	1755	0.2	/	/	/	/	/	/
1755	1756	0.2	/	1	1755.000	-37.32	-13	Pass
1756	1775	1	CHP	2	1756.040	-31.91	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 4-Low channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
3422.0	-50.51	-13	-37.51	-55.13	3.36	7.98	Horizontal	Pass
5133.0	-61.19	-13	-48.19	-66.8	4.61	10.22	Horizontal	Pass
8563.818	-33.0	-13	-20.0	-40.9	5.06	12.96	Horizontal	Pass
3422.0	-57.52	-13	-44.52	-62.14	3.36	7.98	Vertical	Pass
5133.0	-62.51	-13	-49.51	-68.12	4.61	10.22	Vertical	Pass
8563.818	-35.1	-13	-22.1	-43.0	5.06	12.96	Vertical	Pass

LTE Band 4-Middle channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
3447.0	-51.1	-13	-38.1	-55.77	3.37	8.04	Horizontal	Pass
5170.5	-59.29	-13	-46.29	-64.92	4.62	10.25	Horizontal	Pass
8613.468	-30.51	-13	-17.51	-38.43	5.07	12.99	Horizontal	Pass
3447.0	-59.15	-13	-46.15	-63.82	3.37	8.04	Vertical	Pass
5170.5	-63.09	-13	-50.09	-68.72	4.62	10.25	Vertical	Pass
8613.468	-36.96	-13	-23.96	-44.88	5.07	12.99	Vertical	Pass

LTE Band 4-High channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
3472.0	-54.72	-13	-41.72	-59.43	3.39	8.1	Horizontal	Pass
5208.0	-57.02	-13	-44.02	-62.65	4.64	10.27	Horizontal	Pass
8688.48	-30.78	-13	-17.78	-38.72	5.09	13.03	Horizontal	Pass
3472.0	-61.86	-13	-48.86	-66.57	3.39	8.1	Vertical	Pass
5208.0	-62.66	-13	-49.66	-68.29	4.64	10.27	Vertical	Pass
8688.48	-39.98	-13	-26.98	-47.92	5.09	13.03	Vertical	Pass

---End of Attachment---