1. Effective (Isotropic) Radiated Power Output Data

1.1 B66_1.4MHz_EIRP

1.1.1 Test Result

Band: 66 / 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	24.48	3.09	27.57	<=30	Pass
			2	24.60	3.09	27.69	<=30	Pass
			5	24.32	3.09	27.41	<=30	Pass
		3	0	24.52	3.09	27.61	<=30	Pass
			2	24.59	3.09	27.68	<=30	Pass
			3	24.54	3.09	27.63	<=30	Pass
		6	0	23.22	3.09	26.31	<=30	Pass
	1745	1	0	24.27	3.09	27.36	<=30	Pass
			2	24.26	3.09	27.35	<=30	Pass
			5	24.51	3.09	27.60	<=30	Pass
		3	0	24.31	3.09	27.40	<=30	Pass
			2	24.30	3.09	27.39	<=30	Pass
			3	24.25	3.09	27.34	<=30	Pass
		6	0	23.27	3.09	26.36	<=30	Pass
	1779.3	1	0	24.44	3.09	27.53	<=30	Pass
			2	24.74	3.09	27.83	<=30	Pass
			5	24.64	3.09	27.73	<=30	Pass
		3	0	24.57	3.09	27.66	<=30	Pass
			2	24.68	3.09	27.77	<=30	Pass
			3	24.67	3.09	27.76	<=30	Pass
		6	0	23.78	3.09	26.87	<=30	Pass
16QAM	1710.7	1	0	23.48	3.09	26.57	<=30	Pass
			2	23.76	3.09	26.85	<=30	Pass
			5	23.71	3.09	26.80	<=30	Pass
		3	0	23.66	3.09	26.75	<=30	Pass
			2	23.62	3.09	26.71	<=30	Pass
			3	23.44	3.09	26.53	<=30	Pass
		6	0	22.63	3.09	25.72	<=30	Pass
	1745	1	0	23.62	3.09	26.71	<=30	Pass
			2	23.77	3.09	26.86	<=30	Pass
			5	23.96	3.09	27.05	<=30	Pass
		3	0	23.25	3.09	26.34	<=30	Pass
			2	23.39	3.09	26.48	<=30	Pass
			3	23.21	3.09	26.30	<=30	Pass
		6	0	22.20	3.09	25.29	<=30	Pass
	1779.3	1	0	23.79	3.09	26.88	<=30	Pass
			2	24.21	3.09	27.30	<=30	Pass
			5	23.88	3.09	26.97	<=30	Pass
		3	0	23.85	3.09	26.94	<=30	Pass
			2	23.94	3.09	27.03	<=30	Pass
			3	23.89	3.09	26.98	<=30	Pass
		6	0	22.76	3.09	25.85	<=30	Pass
64QAM	1710.7	1	0	22.60	3.09	25.69	<=30	Pass
			2	22.68	3.09	25.77	<=30	Pass
			5	22.60	3.09	25.69	<=30	Pass
		3	0	22.54	3.09	25.63	<=30	Pass
			2	22.84	3.09	25.93	<=30	Pass

			3	22.87	3.09	25.96	<=30	Pass
		6	0	21.45	3.09	24.54	<=30	Pass
	1745	1	0	22.80	3.09	25.89	<=30	Pass
			2	23.04	3.09	26.13	<=30	Pass
			5	22.85	3.09	25.94	<=30	Pass
		3	0	22.37	3.09	25.46	<=30	Pass
			2	22.56	3.09	25.65	<=30	Pass
			3	22.56	3.09	25.65	<=30	Pass
		6	0	21.31	3.09	24.40	<=30	Pass
	1779.3	1	0	22.62	3.09	25.71	<=30	Pass
			2	23.05	3.09	26.14	<=30	Pass
			5	22.59	3.09	25.68	<=30	Pass
		3	0	22.72	3.09	25.81	<=30	Pass
			2	22.70	3.09	25.79	<=30	Pass
			3	23.17	3.09	26.26	<=30	Pass
		6	0	21.59	3.09	24.68	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B66_3MHz_EIRP

1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	24.44	3.09	27.53	<=30	Pass
			7	24.71	3.09	27.80	<=30	Pass
			14	24.38	3.09	27.47	<=30	Pass
		8	0	23.56	3.09	26.65	<=30	Pass
			4	23.48	3.09	26.57	<=30	Pass
			7	23.50	3.09	26.59	<=30	Pass
		15	0	23.37	3.09	26.46	<=30	Pass
	1745	1	0	24.23	3.09	27.32	<=30	Pass
			7	24.64	3.09	27.73	<=30	Pass
			14	24.51	3.09	27.60	<=30	Pass
		8	0	23.26	3.09	26.35	<=30	Pass
			4	23.31	3.09	26.40	<=30	Pass
			7	23.34	3.09	26.43	<=30	Pass
		15	0	23.28	3.09	26.37	<=30	Pass
	1778.5	1	0	24.67	3.09	27.76	<=30	Pass
			7	24.61	3.09	27.70	<=30	Pass
			14	24.51	3.09	27.60	<=30	Pass
		8	0	23.77	3.09	26.86	<=30	Pass
			4	23.83	3.09	26.92	<=30	Pass
			7	23.50	3.09	26.59	<=30	Pass
		15	0	23.76	3.09	26.85	<=30	Pass
16QAM	1711.5	1	0	23.51	3.09	26.60	<=30	Pass
			7	23.59	3.09	26.68	<=30	Pass
			14	23.46	3.09	26.55	<=30	Pass
		8	0	22.72	3.09	25.81	<=30	Pass
			4	22.76	3.09	25.85	<=30	Pass
			7	22.77	3.09	25.86	<=30	Pass
		15	0	22.51	3.09	25.60	<=30	Pass
	1745	1	0	23.72	3.09	26.81	<=30	Pass
			7	23.95	3.09	27.04	<=30	Pass

			14	23.54	3.09	26.63	<=30	Pass
		8	0	22.46	3.09	25.55	<=30	Pass
			4	22.44	3.09	25.53	<=30	Pass
			7	22.41	3.09	25.50	<=30	Pass
		15	0	22.27	3.09	25.36	<=30	Pass
	1778.5	1	0	23.82	3.09	26.91	<=30	Pass
			7	23.80	3.09	26.89	<=30	Pass
			14	23.66	3.09	26.75	<=30	Pass
		8	0	22.63	3.09	25.72	<=30	Pass
			4	22.48	3.09	25.57	<=30	Pass
			7	22.78	3.09	25.87	<=30	Pass
		15	0	22.74	3.09	25.83	<=30	Pass
64QAM	1711.5	1	0	23.05	3.09	26.14	<=30	Pass
			7	23.34	3.09	26.43	<=30	Pass
			14	23.14	3.09	26.23	<=30	Pass
		8	0	21.16	3.09	24.25	<=30	Pass
			4	21.21	3.09	24.30	<=30	Pass
			7	21.28	3.09	24.37	<=30	Pass
		15	0	21.67	3.09	24.76	<=30	Pass
	1745	1	0	22.49	3.09	25.58	<=30	Pass
			7	22.58	3.09	25.67	<=30	Pass
			14	22.35	3.09	25.44	<=30	Pass
		8	0	21.41	3.09	24.50	<=30	Pass
			4	21.41	3.09	24.50	<=30	Pass
			7	21.40	3.09	24.49	<=30	Pass
		15	0	21.27	3.09	24.36	<=30	Pass
	1778.5	1	0	22.85	3.09	25.94	<=30	Pass
			7	22.96	3.09	26.05	<=30	Pass
			14	22.83	3.09	25.92	<=30	Pass
		8	0	21.76	3.09	24.85	<=30	Pass
			4	21.59	3.09	24.68	<=30	Pass
			7	21.75	3.09	24.84	<=30	Pass
		15	0	21.66	3.09	24.75	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B66_5MHz_EIRP

1.3.1 Test Result

Band: 66 / 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	24.30	3.09	27.39	<=30	Pass
			13	24.49	3.09	27.58	<=30	Pass
			24	24.25	3.09	27.34	<=30	Pass
		12	0	23.44	3.09	26.53	<=30	Pass
			6	23.50	3.09	26.59	<=30	Pass
			13	23.39	3.09	26.48	<=30	Pass
		25	0	23.40	3.09	26.49	<=30	Pass
	1745	1	0	24.43	3.09	27.52	<=30	Pass
			13	24.42	3.09	27.51	<=30	Pass
			24	24.28	3.09	27.37	<=30	Pass
		12	0	23.21	3.09	26.30	<=30	Pass
			6	23.34	3.09	26.43	<=30	Pass
			13	23.37	3.09	26.46	<=30	Pass

		25	0	23.36	3.09	26.45	<=30	Pass
	1777.5	1	0	24.50	3.09	27.59	<=30	Pass
			13	24.75	3.09	27.84	<=30	Pass
			24	24.31	3.09	27.40	<=30	Pass
		12	0	23.77	3.09	26.86	<=30	Pass
			6	23.74	3.09	26.83	<=30	Pass
			13	23.75	3.09	26.84	<=30	Pass
		25	0	23.80	3.09	26.89	<=30	Pass
16QAM	1712.5	1	0	23.52	3.09	26.61	<=30	Pass
			13	23.92	3.09	27.01	<=30	Pass
			24	23.44	3.09	26.53	<=30	Pass
		12	0	22.61	3.09	25.70	<=30	Pass
			6	22.61	3.09	25.70	<=30	Pass
			13	22.55	3.09	25.64	<=30	Pass
		25	0	22.47	3.09	25.56	<=30	Pass
	1745	1	0	23.13	3.09	26.22	<=30	Pass
			13	23.85	3.09	26.94	<=30	Pass
			24	23.68	3.09	26.77	<=30	Pass
		12	0	22.25	3.09	25.34	<=30	Pass
			6	22.14	3.09	25.23	<=30	Pass
			13	22.25	3.09	25.34	<=30	Pass
		25	0	22.39	3.09	25.48	<=30	Pass
	1777.5	1	0	23.87	3.09	26.96	<=30	Pass
			13	24.09	3.09	27.18	<=30	Pass
			24	23.69	3.09	26.78	<=30	Pass
		12	0	22.65	3.09	25.74	<=30	Pass
			6	22.79	3.09	25.88	<=30	Pass
			13	22.40	3.09	25.49	<=30	Pass
		25	0	22.62	3.09	25.71	<=30	Pass
64QAM	1712.5	1	0	22.41	3.09	25.50	<=30	Pass
			13	22.55	3.09	25.64	<=30	Pass
			24	22.72	3.09	25.81	<=30	Pass
		12	0	21.66	3.09	24.75	<=30	Pass
			6	21.60	3.09	24.69	<=30	Pass
			13	21.52	3.09	24.61	<=30	Pass
		25	0	21.64	3.09	24.73	<=30	Pass
	1745	1	0	22.57	3.09	25.66	<=30	Pass
			13	22.62	3.09	25.71	<=30	Pass
			24	22.54	3.09	25.63	<=30	Pass
		12	0	21.36	3.09	24.45	<=30	Pass
			6	21.43	3.09	24.52	<=30	Pass
			13	21.34	3.09	24.43	<=30	Pass
		25	0	21.21	3.09	24.30	<=30	Pass
	1777.5	1	0	22.06	3.09	25.15	<=30	Pass
			13	22.19	3.09	25.28	<=30	Pass
			24	21.97	3.09	25.06	<=30	Pass
		12	0	21.56	3.09	24.65	<=30	Pass
			6	21.71	3.09	24.80	<=30	Pass
			13	21.59	3.09	24.68	<=30	Pass
		25	0	21.69	3.09	24.78	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B66_10MHz_EIRP

1.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	24.11	3.09	27.20	<=30	Pass
			25	24.86	3.09	27.95	<=30	Pass
			49	24.42	3.09	27.51	<=30	Pass
		25	0	23.48	3.09	26.57	<=30	Pass
			13	23.44	3.09	26.53	<=30	Pass
			25	23.37	3.09	26.46	<=30	Pass
		50	0	23.42	3.09	26.51	<=30	Pass
	1745	1	0	24.64	3.09	27.73	<=30	Pass
			25	24.67	3.09	27.76	<=30	Pass
			49	24.38	3.09	27.47	<=30	Pass
		25	0	23.48	3.09	26.57	<=30	Pass
			13	23.42	3.09	26.51	<=30	Pass
			25	23.31	3.09	26.40	<=30	Pass
		50	0	23.35	3.09	26.44	<=30	Pass
	1775	1	0	24.62	3.09	27.71	<=30	Pass
			25	24.92	3.09	28.01	<=30	Pass
			49	24.16	3.09	27.25	<=30	Pass
		25	0	23.83	3.09	26.92	<=30	Pass
			13	23.74	3.09	26.83	<=30	Pass
			25	23.67	3.09	26.76	<=30	Pass
		50	0	23.73	3.09	26.82	<=30	Pass
16QAM	1715	1	0	23.26	3.09	26.35	<=30	Pass
			25	23.63	3.09	26.72	<=30	Pass
			49	23.46	3.09	26.55	<=30	Pass
		25	0	22.61	3.09	25.70	<=30	Pass
			13	22.60	3.09	25.69	<=30	Pass
			25	22.57	3.09	25.66	<=30	Pass
		50	0	22.59	3.09	25.68	<=30	Pass
	1745	1	0	24.10	3.09	27.19	<=30	Pass
			25	24.35	3.09	27.44	<=30	Pass
			49	23.76	3.09	26.85	<=30	Pass
		25	0	22.26	3.09	25.35	<=30	Pass
			13	22.54	3.09	25.63	<=30	Pass
			25	22.55	3.09	25.64	<=30	Pass
		50	0	22.30	3.09	25.39	<=30	Pass
	1775	1	0	23.75	3.09	26.84	<=30	Pass
			25	23.78	3.09	26.87	<=30	Pass
			49	23.57	3.09	26.66	<=30	Pass
		25	0	22.82	3.09	25.91	<=30	Pass
			13	22.96	3.09	26.05	<=30	Pass
			25	22.78	3.09	25.87	<=30	Pass
		50	0	22.71	3.09	25.80	<=30	Pass
64QAM	1715	1	0	22.41	3.09	25.50	<=30	Pass
			25	23.28	3.09	26.37	<=30	Pass
			49	23.07	3.09	26.16	<=30	Pass
		25	0	21.76	3.09	24.85	<=30	Pass
			13	21.52	3.09	24.61	<=30	Pass
			25	21.50	3.09	24.59	<=30	Pass
		50	0	21.46	3.09	24.55	<=30	Pass
	1745	1	0	22.70	3.09	25.79	<=30	Pass

			25	22.62	3.09	25.71	<=30	Pass
			49	22.41	3.09	25.50	<=30	Pass
		25	0	21.14	3.09	24.23	<=30	Pass
			13	21.41	3.09	24.50	<=30	Pass
			25	21.33	3.09	24.42	<=30	Pass
		50	0	21.07	3.09	24.16	<=30	Pass
	1775	1	0	22.68	3.09	25.77	<=30	Pass
			25	22.93	3.09	26.02	<=30	Pass
			49	22.79	3.09	25.88	<=30	Pass
		25	0	21.82	3.09	24.91	<=30	Pass
			13	21.52	3.09	24.61	<=30	Pass
			25	21.58	3.09	24.67	<=30	Pass
		50	0	21.76	3.09	24.85	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B66_15MHz_EIRP

1.5.1 Test Result

Band: 66 / 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	23.69	3.09	26.78	<=30	Pass
			38	24.79	3.09	27.88	<=30	Pass
			74	24.48	3.09	27.57	<=30	Pass
		36	0	23.40	3.09	26.49	<=30	Pass
			18	23.26	3.09	26.35	<=30	Pass
			39	23.40	3.09	26.49	<=30	Pass
		75	0	23.45	3.09	26.54	<=30	Pass
	1745	1	0	24.60	3.09	27.69	<=30	Pass
			38	24.53	3.09	27.62	<=30	Pass
			74	24.15	3.09	27.24	<=30	Pass
		36	0	23.40	3.09	26.49	<=30	Pass
			18	23.36	3.09	26.45	<=30	Pass
			39	23.24	3.09	26.33	<=30	Pass
		75	0	23.35	3.09	26.44	<=30	Pass
	1772.5	1	0	24.46	3.09	27.55	<=30	Pass
			38	24.60	3.09	27.69	<=30	Pass
			74	23.95	3.09	27.04	<=30	Pass
		36	0	23.81	3.09	26.90	<=30	Pass
			18	23.81	3.09	26.90	<=30	Pass
			39	23.68	3.09	26.77	<=30	Pass
		75	0	23.77	3.09	26.86	<=30	Pass
16QAM	1717.5	1	0	22.86	3.09	25.95	<=30	Pass
			38	24.42	3.09	27.51	<=30	Pass
			74	23.53	3.09	26.62	<=30	Pass
		36	0	22.38	3.09	25.47	<=30	Pass
			18	22.33	3.09	25.42	<=30	Pass
			39	22.39	3.09	25.48	<=30	Pass
		75	0	22.52	3.09	25.61	<=30	Pass
	1745	1	0	23.96	3.09	27.05	<=30	Pass
			38	23.99	3.09	27.08	<=30	Pass
			74	23.32	3.09	26.41	<=30	Pass
		36	0	22.22	3.09	25.31	<=30	Pass
			18	22.20	3.09	25.29	<=30	Pass

			39	22.18	3.09	25.27	<=30	Pass
		75	0	22.40	3.09	25.49	<=30	Pass
	1772.5	1	0	23.92	3.09	27.01	<=30	Pass
			38	24.05	3.09	27.14	<=30	Pass
			74	23.43	3.09	26.52	<=30	Pass
		36	0	22.77	3.09	25.86	<=30	Pass
			18	22.77	3.09	25.86	<=30	Pass
			39	22.54	3.09	25.63	<=30	Pass
		75	0	22.67	3.09	25.76	<=30	Pass
64QAM	1717.5	1	0	22.00	3.09	25.09	<=30	Pass
			38	23.43	3.09	26.52	<=30	Pass
			74	23.20	3.09	26.29	<=30	Pass
		36	0	21.44	3.09	24.53	<=30	Pass
			18	21.40	3.09	24.49	<=30	Pass
			39	21.47	3.09	24.56	<=30	Pass
		75	0	21.57	3.09	24.66	<=30	Pass
	1745	1	0	22.51	3.09	25.60	<=30	Pass
			38	22.37	3.09	25.46	<=30	Pass
			74	22.37	3.09	25.46	<=30	Pass
		36	0	21.36	3.09	24.45	<=30	Pass
			18	21.51	3.09	24.60	<=30	Pass
			39	21.39	3.09	24.48	<=30	Pass
		75	0	21.40	3.09	24.49	<=30	Pass
	1772.5	1	0	22.79	3.09	25.88	<=30	Pass
			38	22.92	3.09	26.01	<=30	Pass
			74	22.50	3.09	25.59	<=30	Pass
		36	0	21.86	3.09	24.95	<=30	Pass
			18	21.74	3.09	24.83	<=30	Pass
			39	21.63	3.09	24.72	<=30	Pass
		75	0	21.70	3.09	24.79	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B66_20MHz_EIRP

1.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.54	3.09	26.63	<=30	Pass
			50	24.84	3.09	27.93	<=30	Pass
			99	24.38	3.09	27.47	<=30	Pass
		50	0	23.41	3.09	26.50	<=30	Pass
			25	23.44	3.09	26.53	<=30	Pass
			50	23.58	3.09	26.67	<=30	Pass
		100	0	23.48	3.09	26.57	<=30	Pass
	1745	1	0	24.68	3.09	27.77	<=30	Pass
			50	24.69	3.09	27.78	<=30	Pass
			99	24.02	3.09	27.11	<=30	Pass
		50	0	23.41	3.09	26.50	<=30	Pass
			25	23.46	3.09	26.55	<=30	Pass
			50	23.36	3.09	26.45	<=30	Pass
		100	0	23.39	3.09	26.48	<=30	Pass
	1770	1	0	23.91	3.09	27.00	<=30	Pass
			50	25.02	3.09	28.11	<=30	Pass

			99	24.10	3.09	27.19	<=30	Pass
		50	0	23.67	3.09	26.76	<=30	Pass
			25	23.73	3.09	26.82	<=30	Pass
			50	23.68	3.09	26.77	<=30	Pass
		100	0	23.66	3.09	26.75	<=30	Pass
16QAM	1720	1	0	22.71	3.09	25.80	<=30	Pass
			50	24.34	3.09	27.43	<=30	Pass
			99	23.92	3.09	27.01	<=30	Pass
		50	0	22.61	3.09	25.70	<=30	Pass
			25	22.59	3.09	25.68	<=30	Pass
			50	22.65	3.09	25.74	<=30	Pass
		100	0	22.42	3.09	25.51	<=30	Pass
	1745	1	0	23.85	3.09	26.94	<=30	Pass
			50	23.71	3.09	26.80	<=30	Pass
			99	23.56	3.09	26.65	<=30	Pass
		50	0	22.48	3.09	25.57	<=30	Pass
			25	22.46	3.09	25.55	<=30	Pass
			50	22.43	3.09	25.52	<=30	Pass
		100	0	22.34	3.09	25.43	<=30	Pass
	1770	1	0	23.11	3.09	26.20	<=30	Pass
			50	24.61	3.09	27.70	<=30	Pass
			99	23.47	3.09	26.56	<=30	Pass
		50	0	22.60	3.09	25.69	<=30	Pass
			25	22.73	3.09	25.82	<=30	Pass
			50	22.62	3.09	25.71	<=30	Pass
		100	0	22.71	3.09	25.80	<=30	Pass
64QAM	1720	1	0	21.78	3.09	24.87	<=30	Pass
			50	23.28	3.09	26.37	<=30	Pass
			99	22.77	3.09	25.86	<=30	Pass
		50	0	21.51	3.09	24.60	<=30	Pass
			25	21.64	3.09	24.73	<=30	Pass
			50	21.59	3.09	24.68	<=30	Pass
		100	0	21.50	3.09	24.59	<=30	Pass
	1745	1	0	22.84	3.09	25.93	<=30	Pass
			50	22.92	3.09	26.01	<=30	Pass
			99	22.36	3.09	25.45	<=30	Pass
		50	0	21.39	3.09	24.48	<=30	Pass
			25	21.40	3.09	24.49	<=30	Pass
			50	21.38	3.09	24.47	<=30	Pass
		100	0	21.46	3.09	24.55	<=30	Pass
	1770	1	0	22.10	3.09	25.19	<=30	Pass
			50	23.47	3.09	26.56	<=30	Pass
			99	22.29	3.09	25.38	<=30	Pass
		50	0	21.77	3.09	24.86	<=30	Pass
			25	21.72	3.09	24.81	<=30	Pass
			50	21.65	3.09	24.74	<=30	Pass
		100	0	21.55	3.09	24.64	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B66_1.4MHz

2.1.1 Test Result

Band: 66 / 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	6.12	2.131	0.0012	-2.5 to 2.5	Pass
					7.20	0.315	0.0002	-2.5 to 2.5	Pass
					8.28	0.815	0.0005	-2.5 to 2.5	Pass
				-30	7.20	-0.730	-0.0004	-2.5 to 2.5	Pass
				-20	7.20	0.401	0.0002	-2.5 to 2.5	Pass
				-10	7.20	0.429	0.0003	-2.5 to 2.5	Pass
				0	7.20	0.901	0.0005	-2.5 to 2.5	Pass
				10	7.20	-1.302	-0.0008	-2.5 to 2.5	Pass
				30	7.20	-0.172	-0.0001	-2.5 to 2.5	Pass
				40	7.20	-1.431	-0.0008	-2.5 to 2.5	Pass
				50	7.20	-0.801	-0.0005	-2.5 to 2.5	Pass
	1745	6	0	20	6.12	-10.743	-0.0062	-2.5 to 2.5	Pass
					7.20	-9.084	-0.0052	-2.5 to 2.5	Pass
					8.28	-9.713	-0.0056	-2.5 to 2.5	Pass
				-30	7.20	-7.210	-0.0041	-2.5 to 2.5	Pass
				-20	7.20	-7.110	-0.0041	-2.5 to 2.5	Pass
				-10	7.20	-6.824	-0.0039	-2.5 to 2.5	Pass
				0	7.20	-5.050	-0.0029	-2.5 to 2.5	Pass
				10	7.20	-5.493	-0.0031	-2.5 to 2.5	Pass
				30	7.20	-4.005	-0.0023	-2.5 to 2.5	Pass
				40	7.20	-5.522	-0.0032	-2.5 to 2.5	Pass
				50	7.20	-3.991	-0.0023	-2.5 to 2.5	Pass
	1779.3	6	0	20	6.12	1.802	0.0010	-2.5 to 2.5	Pass
					7.20	0.243	0.0001	-2.5 to 2.5	Pass
					8.28	0.129	0.0001	-2.5 to 2.5	Pass
				-30	7.20	-0.458	-0.0003	-2.5 to 2.5	Pass
				-20	7.20	-0.429	-0.0002	-2.5 to 2.5	Pass
				-10	7.20	-1.287	-0.0007	-2.5 to 2.5	Pass
				0	7.20	-1.945	-0.0011	-2.5 to 2.5	Pass
				10	7.20	-2.131	-0.0012	-2.5 to 2.5	Pass
				30	7.20	-0.715	-0.0004	-2.5 to 2.5	Pass
				40	7.20	-1.073	-0.0006	-2.5 to 2.5	Pass
				50	7.20	-2.618	-0.0015	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	6.12	-0.715	-0.0004	-2.5 to 2.5	Pass
					7.20	-0.815	-0.0005	-2.5 to 2.5	Pass
					8.28	-0.415	-0.0002	-2.5 to 2.5	Pass
				-30	7.20	-1.144	-0.0007	-2.5 to 2.5	Pass
				-20	7.20	-0.687	-0.0004	-2.5 to 2.5	Pass
				-10	7.20	-0.257	-0.0002	-2.5 to 2.5	Pass
				0	7.20	-0.558	-0.0003	-2.5 to 2.5	Pass
				10	7.20	-0.644	-0.0004	-2.5 to 2.5	Pass
				30	7.20	-1.373	-0.0008	-2.5 to 2.5	Pass
				40	7.20	0.272	0.0002	-2.5 to 2.5	Pass
				50	7.20	-1.845	-0.0011	-2.5 to 2.5	Pass
	1745	6	0	20	6.12	-3.762	-0.0022	-2.5 to 2.5	Pass
					7.20	-2.875	-0.0016	-2.5 to 2.5	Pass
					8.28	-3.190	-0.0018	-2.5 to 2.5	Pass

				-30	7.20	-3.076	-0.0018	-2.5 to 2.5	Pass
				-20	7.20	-2.775	-0.0016	-2.5 to 2.5	Pass
				-10	7.20	-1.960	-0.0011	-2.5 to 2.5	Pass
				0	7.20	-2.131	-0.0012	-2.5 to 2.5	Pass
				10	7.20	-1.488	-0.0009	-2.5 to 2.5	Pass
				30	7.20	-2.503	-0.0014	-2.5 to 2.5	Pass
				40	7.20	-1.788	-0.0010	-2.5 to 2.5	Pass
				50	7.20	-1.831	-0.0010	-2.5 to 2.5	Pass
	1779.3	6	0	20	6.12	-1.359	-0.0008	-2.5 to 2.5	Pass
					7.20	-0.815	-0.0005	-2.5 to 2.5	Pass
					8.28	-0.486	-0.0003	-2.5 to 2.5	Pass
				-30	7.20	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	7.20	-1.760	-0.0010	-2.5 to 2.5	Pass
				-10	7.20	-0.930	-0.0005	-2.5 to 2.5	Pass
				0	7.20	-1.802	-0.0010	-2.5 to 2.5	Pass
				10	7.20	-1.187	-0.0007	-2.5 to 2.5	Pass
				30	7.20	-3.047	-0.0017	-2.5 to 2.5	Pass
				40	7.20	-2.360	-0.0013	-2.5 to 2.5	Pass
				50	7.20	-1.187	-0.0007	-2.5 to 2.5	Pass
64QAM	1710.7	6	0	20	6.12	0.644	0.0004	-2.5 to 2.5	Pass
					7.20	-0.186	-0.0001	-2.5 to 2.5	Pass
					8.28	-0.157	-0.0001	-2.5 to 2.5	Pass
				-30	7.20	0.215	0.0001	-2.5 to 2.5	Pass
				-20	7.20	1.030	0.0006	-2.5 to 2.5	Pass
				-10	7.20	0.300	0.0002	-2.5 to 2.5	Pass
				0	7.20	-0.143	-0.0001	-2.5 to 2.5	Pass
				10	7.20	-0.615	-0.0004	-2.5 to 2.5	Pass
				30	7.20	-0.200	-0.0001	-2.5 to 2.5	Pass
				40	7.20	-0.315	-0.0002	-2.5 to 2.5	Pass
				50	7.20	-0.844	-0.0005	-2.5 to 2.5	Pass
	1745	6	0	20	6.12	-0.544	-0.0003	-2.5 to 2.5	Pass
					7.20	-2.503	-0.0014	-2.5 to 2.5	Pass
					8.28	-1.616	-0.0009	-2.5 to 2.5	Pass
				-30	7.20	-1.473	-0.0008	-2.5 to 2.5	Pass
				-20	7.20	-1.888	-0.0011	-2.5 to 2.5	Pass
				-10	7.20	-2.046	-0.0012	-2.5 to 2.5	Pass
				0	7.20	-2.489	-0.0014	-2.5 to 2.5	Pass
				10	7.20	-1.488	-0.0009	-2.5 to 2.5	Pass
				30	7.20	-0.958	-0.0005	-2.5 to 2.5	Pass
				40	7.20	-1.101	-0.0006	-2.5 to 2.5	Pass
				50	7.20	-1.574	-0.0009	-2.5 to 2.5	Pass
	1779.3	6	0	20	6.12	-0.072	0.0000	-2.5 to 2.5	Pass
					7.20	-0.229	-0.0001	-2.5 to 2.5	Pass
					8.28	-0.744	-0.0004	-2.5 to 2.5	Pass
				-30	7.20	-1.016	-0.0006	-2.5 to 2.5	Pass
				-20	7.20	-1.602	-0.0009	-2.5 to 2.5	Pass
				-10	7.20	-0.830	-0.0005	-2.5 to 2.5	Pass
				0	7.20	-0.229	-0.0001	-2.5 to 2.5	Pass
				10	7.20	0.086	0.0000	-2.5 to 2.5	Pass
				30	7.20	-0.858	-0.0005	-2.5 to 2.5	Pass
				40	7.20	0.072	0.0000	-2.5 to 2.5	Pass
				50	7.20	-0.772	-0.0004	-2.5 to 2.5	Pass

2.2 B66_3MHz

2.2.1 Test Result

Band: 66 / 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	6.12	3.591	0.0021	-2.5 to 2.5	Pass
					7.20	4.163	0.0024	-2.5 to 2.5	Pass
					8.28	5.236	0.0031	-2.5 to 2.5	Pass
				-30	7.20	2.904	0.0017	-2.5 to 2.5	Pass
				-20	7.20	3.948	0.0023	-2.5 to 2.5	Pass
				-10	7.20	5.150	0.0030	-2.5 to 2.5	Pass
				0	7.20	5.364	0.0031	-2.5 to 2.5	Pass
				10	7.20	3.090	0.0018	-2.5 to 2.5	Pass
				30	7.20	3.948	0.0023	-2.5 to 2.5	Pass
				40	7.20	3.920	0.0023	-2.5 to 2.5	Pass
				50	7.20	4.292	0.0025	-2.5 to 2.5	Pass
	1745	15	0	20	6.12	-0.486	-0.0003	-2.5 to 2.5	Pass
					7.20	-1.888	-0.0011	-2.5 to 2.5	Pass
					8.28	-1.817	-0.0010	-2.5 to 2.5	Pass
				-30	7.20	-0.901	-0.0005	-2.5 to 2.5	Pass
				-20	7.20	-2.046	-0.0012	-2.5 to 2.5	Pass
				-10	7.20	-2.418	-0.0014	-2.5 to 2.5	Pass
				0	7.20	-0.830	-0.0005	-2.5 to 2.5	Pass
				10	7.20	-0.944	-0.0005	-2.5 to 2.5	Pass
				30	7.20	-2.060	-0.0012	-2.5 to 2.5	Pass
				40	7.20	-2.003	-0.0011	-2.5 to 2.5	Pass
				50	7.20	-2.017	-0.0012	-2.5 to 2.5	Pass
	1778.5	15	0	20	6.12	3.905	0.0022	-2.5 to 2.5	Pass
					7.20	4.363	0.0025	-2.5 to 2.5	Pass
					8.28	4.377	0.0025	-2.5 to 2.5	Pass
				-30	7.20	2.747	0.0015	-2.5 to 2.5	Pass
				-20	7.20	3.648	0.0021	-2.5 to 2.5	Pass
				-10	7.20	3.762	0.0021	-2.5 to 2.5	Pass
				0	7.20	3.633	0.0020	-2.5 to 2.5	Pass
				10	7.20	3.719	0.0021	-2.5 to 2.5	Pass
				30	7.20	2.661	0.0015	-2.5 to 2.5	Pass
				40	7.20	4.764	0.0027	-2.5 to 2.5	Pass
				50	7.20	1.945	0.0011	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	6.12	4.034	0.0024	-2.5 to 2.5	Pass
					7.20	5.093	0.0030	-2.5 to 2.5	Pass
					8.28	5.164	0.0030	-2.5 to 2.5	Pass
				-30	7.20	4.950	0.0029	-2.5 to 2.5	Pass
				-20	7.20	3.519	0.0021	-2.5 to 2.5	Pass
				-10	7.20	3.734	0.0022	-2.5 to 2.5	Pass
				0	7.20	4.635	0.0027	-2.5 to 2.5	Pass
				10	7.20	4.277	0.0025	-2.5 to 2.5	Pass
				30	7.20	4.048	0.0024	-2.5 to 2.5	Pass
				40	7.20	4.306	0.0025	-2.5 to 2.5	Pass
				50	7.20	4.663	0.0027	-2.5 to 2.5	Pass
	1745	15	0	20	6.12	-2.103	-0.0012	-2.5 to 2.5	Pass
					7.20	-1.316	-0.0008	-2.5 to 2.5	Pass
					8.28	-1.874	-0.0011	-2.5 to 2.5	Pass
				-30	7.20	-2.604	-0.0015	-2.5 to 2.5	Pass
				-20	7.20	-2.875	-0.0016	-2.5 to 2.5	Pass
				-10	7.20	-2.675	-0.0015	-2.5 to 2.5	Pass

				0	7.20	-2.160	-0.0012	-2.5 to 2.5	Pass
				10	7.20	-0.744	-0.0004	-2.5 to 2.5	Pass
				30	7.20	-1.073	-0.0006	-2.5 to 2.5	Pass
				40	7.20	-0.386	-0.0002	-2.5 to 2.5	Pass
				50	7.20	-1.402	-0.0008	-2.5 to 2.5	Pass
	1778.5	15	0	20	6.12	3.891	0.0022	-2.5 to 2.5	Pass
					7.20	1.659	0.0009	-2.5 to 2.5	Pass
					8.28	2.389	0.0013	-2.5 to 2.5	Pass
				-30	7.20	1.974	0.0011	-2.5 to 2.5	Pass
				-20	7.20	3.161	0.0018	-2.5 to 2.5	Pass
				-10	7.20	2.446	0.0014	-2.5 to 2.5	Pass
				0	7.20	2.332	0.0013	-2.5 to 2.5	Pass
				10	7.20	2.317	0.0013	-2.5 to 2.5	Pass
				30	7.20	1.574	0.0009	-2.5 to 2.5	Pass
				40	7.20	2.146	0.0012	-2.5 to 2.5	Pass
				50	7.20	2.303	0.0013	-2.5 to 2.5	Pass
64QAM	1711.5	15	0	20	6.12	5.250	0.0031	-2.5 to 2.5	Pass
					7.20	5.035	0.0029	-2.5 to 2.5	Pass
					8.28	5.178	0.0030	-2.5 to 2.5	Pass
				-30	7.20	6.123	0.0036	-2.5 to 2.5	Pass
				-20	7.20	5.865	0.0034	-2.5 to 2.5	Pass
				-10	7.20	6.123	0.0036	-2.5 to 2.5	Pass
				0	7.20	5.507	0.0032	-2.5 to 2.5	Pass
				10	7.20	5.908	0.0035	-2.5 to 2.5	Pass
				30	7.20	5.865	0.0034	-2.5 to 2.5	Pass
				40	7.20	6.609	0.0039	-2.5 to 2.5	Pass
				50	7.20	6.022	0.0035	-2.5 to 2.5	Pass
	1745	15	0	20	6.12	-1.273	-0.0007	-2.5 to 2.5	Pass
					7.20	-0.515	-0.0003	-2.5 to 2.5	Pass
					8.28	-2.217	-0.0013	-2.5 to 2.5	Pass
				-30	7.20	-1.516	-0.0009	-2.5 to 2.5	Pass
				-20	7.20	-1.903	-0.0011	-2.5 to 2.5	Pass
				-10	7.20	-1.588	-0.0009	-2.5 to 2.5	Pass
				0	7.20	-1.416	-0.0008	-2.5 to 2.5	Pass
				10	7.20	-1.616	-0.0009	-2.5 to 2.5	Pass
				30	7.20	-1.502	-0.0009	-2.5 to 2.5	Pass
				40	7.20	-1.760	-0.0010	-2.5 to 2.5	Pass
				50	7.20	-1.173	-0.0007	-2.5 to 2.5	Pass
	1778.5	15	0	20	6.12	3.419	0.0019	-2.5 to 2.5	Pass
					7.20	4.377	0.0025	-2.5 to 2.5	Pass
					8.28	3.991	0.0022	-2.5 to 2.5	Pass
				-30	7.20	4.520	0.0025	-2.5 to 2.5	Pass
				-20	7.20	4.892	0.0028	-2.5 to 2.5	Pass
				-10	7.20	4.663	0.0026	-2.5 to 2.5	Pass
				0	7.20	3.576	0.0020	-2.5 to 2.5	Pass
				10	7.20	3.505	0.0020	-2.5 to 2.5	Pass
				30	7.20	3.691	0.0021	-2.5 to 2.5	Pass
				40	7.20	5.078	0.0029	-2.5 to 2.5	Pass
				50	7.20	3.905	0.0022	-2.5 to 2.5	Pass

2.3 B66_5MHz

2.3.1 Test Result

Band: 66 / 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	6.12	3.304	0.0019	-2.5 to 2.5	Pass
					7.20	4.520	0.0026	-2.5 to 2.5	Pass
					8.28	4.063	0.0024	-2.5 to 2.5	Pass
				-30	7.20	4.907	0.0029	-2.5 to 2.5	Pass
				-20	7.20	3.047	0.0018	-2.5 to 2.5	Pass
				-10	7.20	2.832	0.0017	-2.5 to 2.5	Pass
				0	7.20	3.476	0.0020	-2.5 to 2.5	Pass
				10	7.20	4.206	0.0025	-2.5 to 2.5	Pass
				30	7.20	4.792	0.0028	-2.5 to 2.5	Pass
				40	7.20	4.406	0.0026	-2.5 to 2.5	Pass
				50	7.20	3.891	0.0023	-2.5 to 2.5	Pass
	1745	25	0	20	6.12	-1.473	-0.0008	-2.5 to 2.5	Pass
					7.20	-2.174	-0.0012	-2.5 to 2.5	Pass
					8.28	-2.604	-0.0015	-2.5 to 2.5	Pass
				-30	7.20	-1.445	-0.0008	-2.5 to 2.5	Pass
				-20	7.20	-1.945	-0.0011	-2.5 to 2.5	Pass
				-10	7.20	-1.030	-0.0006	-2.5 to 2.5	Pass
				0	7.20	-1.588	-0.0009	-2.5 to 2.5	Pass
				10	7.20	-2.947	-0.0017	-2.5 to 2.5	Pass
				30	7.20	-2.046	-0.0012	-2.5 to 2.5	Pass
				40	7.20	-2.933	-0.0017	-2.5 to 2.5	Pass
				50	7.20	-1.788	-0.0010	-2.5 to 2.5	Pass
	1777.5	25	0	20	6.12	2.260	0.0013	-2.5 to 2.5	Pass
					7.20	2.990	0.0017	-2.5 to 2.5	Pass
					8.28	2.432	0.0014	-2.5 to 2.5	Pass
				-30	7.20	3.662	0.0021	-2.5 to 2.5	Pass
				-20	7.20	2.561	0.0014	-2.5 to 2.5	Pass
				-10	7.20	2.789	0.0016	-2.5 to 2.5	Pass
				0	7.20	2.890	0.0016	-2.5 to 2.5	Pass
				10	7.20	3.934	0.0022	-2.5 to 2.5	Pass
				30	7.20	2.174	0.0012	-2.5 to 2.5	Pass
				40	7.20	2.761	0.0016	-2.5 to 2.5	Pass
				50	7.20	2.518	0.0014	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	6.12	3.777	0.0022	-2.5 to 2.5	Pass
					7.20	5.593	0.0033	-2.5 to 2.5	Pass
					8.28	4.749	0.0028	-2.5 to 2.5	Pass
				-30	7.20	5.565	0.0032	-2.5 to 2.5	Pass
				-20	7.20	5.465	0.0032	-2.5 to 2.5	Pass
				-10	7.20	5.865	0.0034	-2.5 to 2.5	Pass
				0	7.20	6.752	0.0039	-2.5 to 2.5	Pass
				10	7.20	6.208	0.0036	-2.5 to 2.5	Pass
				30	7.20	5.651	0.0033	-2.5 to 2.5	Pass
				40	7.20	6.437	0.0038	-2.5 to 2.5	Pass
				50	7.20	5.035	0.0029	-2.5 to 2.5	Pass
	1745	25	0	20	6.12	-2.947	-0.0017	-2.5 to 2.5	Pass
					7.20	-2.518	-0.0014	-2.5 to 2.5	Pass
					8.28	-2.031	-0.0012	-2.5 to 2.5	Pass
				-30	7.20	-2.489	-0.0014	-2.5 to 2.5	Pass
				-20	7.20	-1.302	-0.0007	-2.5 to 2.5	Pass
				-10	7.20	-2.503	-0.0014	-2.5 to 2.5	Pass

				0	7.20	-2.146	-0.0012	-2.5 to 2.5	Pass
				10	7.20	-0.544	-0.0003	-2.5 to 2.5	Pass
				30	7.20	-1.173	-0.0007	-2.5 to 2.5	Pass
				40	7.20	-2.890	-0.0017	-2.5 to 2.5	Pass
				50	7.20	-1.631	-0.0009	-2.5 to 2.5	Pass
	1777.5	25	0	20	6.12	2.546	0.0014	-2.5 to 2.5	Pass
					7.20	1.359	0.0008	-2.5 to 2.5	Pass
					8.28	0.830	0.0005	-2.5 to 2.5	Pass
				-30	7.20	0.701	0.0004	-2.5 to 2.5	Pass
				-20	7.20	1.817	0.0010	-2.5 to 2.5	Pass
				-10	7.20	0.587	0.0003	-2.5 to 2.5	Pass
				0	7.20	0.086	0.0000	-2.5 to 2.5	Pass
				10	7.20	0.658	0.0004	-2.5 to 2.5	Pass
				30	7.20	0.901	0.0005	-2.5 to 2.5	Pass
				40	7.20	1.073	0.0006	-2.5 to 2.5	Pass
				50	7.20	1.731	0.0010	-2.5 to 2.5	Pass
64QAM	1712.5	25	0	20	6.12	4.606	0.0027	-2.5 to 2.5	Pass
					7.20	5.121	0.0030	-2.5 to 2.5	Pass
					8.28	5.078	0.0030	-2.5 to 2.5	Pass
				-30	7.20	5.479	0.0032	-2.5 to 2.5	Pass
				-20	7.20	5.322	0.0031	-2.5 to 2.5	Pass
				-10	7.20	6.180	0.0036	-2.5 to 2.5	Pass
				0	7.20	5.150	0.0030	-2.5 to 2.5	Pass
				10	7.20	3.805	0.0022	-2.5 to 2.5	Pass
				30	7.20	4.034	0.0024	-2.5 to 2.5	Pass
				40	7.20	4.020	0.0023	-2.5 to 2.5	Pass
				50	7.20	4.449	0.0026	-2.5 to 2.5	Pass
	1745	25	0	20	6.12	-1.173	-0.0007	-2.5 to 2.5	Pass
					7.20	-1.245	-0.0007	-2.5 to 2.5	Pass
					8.28	-2.489	-0.0014	-2.5 to 2.5	Pass
				-30	7.20	-2.918	-0.0017	-2.5 to 2.5	Pass
				-20	7.20	-1.874	-0.0011	-2.5 to 2.5	Pass
				-10	7.20	-1.059	-0.0006	-2.5 to 2.5	Pass
				0	7.20	-2.031	-0.0012	-2.5 to 2.5	Pass
				10	7.20	-2.303	-0.0013	-2.5 to 2.5	Pass
				30	7.20	-1.116	-0.0006	-2.5 to 2.5	Pass
				40	7.20	-2.232	-0.0013	-2.5 to 2.5	Pass
				50	7.20	-2.875	-0.0016	-2.5 to 2.5	Pass
	1777.5	25	0	20	6.12	2.031	0.0011	-2.5 to 2.5	Pass
					7.20	2.861	0.0016	-2.5 to 2.5	Pass
					8.28	2.489	0.0014	-2.5 to 2.5	Pass
				-30	7.20	1.774	0.0010	-2.5 to 2.5	Pass
				-20	7.20	1.860	0.0010	-2.5 to 2.5	Pass
				-10	7.20	1.531	0.0009	-2.5 to 2.5	Pass
				0	7.20	0.529	0.0003	-2.5 to 2.5	Pass
				10	7.20	0.615	0.0003	-2.5 to 2.5	Pass
				30	7.20	0.715	0.0004	-2.5 to 2.5	Pass
				40	7.20	2.389	0.0013	-2.5 to 2.5	Pass
				50	7.20	1.774	0.0010	-2.5 to 2.5	Pass

2.4 B66_10MHz

2.4.1 Test Result

Band: 66 / 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	6.12	-3.276	-0.0019	-2.5 to 2.5	Pass
					7.20	-2.503	-0.0015	-2.5 to 2.5	Pass
					8.28	-1.531	-0.0009	-2.5 to 2.5	Pass
				-30	7.20	-3.819	-0.0022	-2.5 to 2.5	Pass
				-20	7.20	-4.191	-0.0024	-2.5 to 2.5	Pass
				-10	7.20	-3.390	-0.0020	-2.5 to 2.5	Pass
				0	7.20	-3.076	-0.0018	-2.5 to 2.5	Pass
				10	7.20	-4.120	-0.0024	-2.5 to 2.5	Pass
				30	7.20	-3.633	-0.0021	-2.5 to 2.5	Pass
				40	7.20	-3.290	-0.0019	-2.5 to 2.5	Pass
				50	7.20	-2.618	-0.0015	-2.5 to 2.5	Pass
	1745	50	0	20	6.12	-2.275	-0.0013	-2.5 to 2.5	Pass
					7.20	-2.832	-0.0016	-2.5 to 2.5	Pass
					8.28	-2.632	-0.0015	-2.5 to 2.5	Pass
				-30	7.20	-2.317	-0.0013	-2.5 to 2.5	Pass
				-20	7.20	-1.416	-0.0008	-2.5 to 2.5	Pass
				-10	7.20	-2.561	-0.0015	-2.5 to 2.5	Pass
				0	7.20	-3.562	-0.0020	-2.5 to 2.5	Pass
				10	7.20	-3.390	-0.0019	-2.5 to 2.5	Pass
				30	7.20	-4.077	-0.0023	-2.5 to 2.5	Pass
				40	7.20	-2.360	-0.0014	-2.5 to 2.5	Pass
				50	7.20	-2.003	-0.0011	-2.5 to 2.5	Pass
	1775	50	0	20	6.12	-1.245	-0.0007	-2.5 to 2.5	Pass
					7.20	-2.232	-0.0013	-2.5 to 2.5	Pass
					8.28	0.229	0.0001	-2.5 to 2.5	Pass
				-30	7.20	-1.373	-0.0008	-2.5 to 2.5	Pass
				-20	7.20	-2.003	-0.0011	-2.5 to 2.5	Pass
				-10	7.20	-1.574	-0.0009	-2.5 to 2.5	Pass
				0	7.20	-1.373	-0.0008	-2.5 to 2.5	Pass
				10	7.20	-2.203	-0.0012	-2.5 to 2.5	Pass
				30	7.20	-1.602	-0.0009	-2.5 to 2.5	Pass
				40	7.20	-1.545	-0.0009	-2.5 to 2.5	Pass
				50	7.20	-2.432	-0.0014	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	6.12	-3.791	-0.0022	-2.5 to 2.5	Pass
					7.20	-4.177	-0.0024	-2.5 to 2.5	Pass
					8.28	-4.005	-0.0023	-2.5 to 2.5	Pass
				-30	7.20	-4.349	-0.0025	-2.5 to 2.5	Pass
				-20	7.20	-3.762	-0.0022	-2.5 to 2.5	Pass
				-10	7.20	-3.948	-0.0023	-2.5 to 2.5	Pass
				0	7.20	-3.791	-0.0022	-2.5 to 2.5	Pass
				10	7.20	-3.591	-0.0021	-2.5 to 2.5	Pass
				30	7.20	-3.948	-0.0023	-2.5 to 2.5	Pass
				40	7.20	-4.249	-0.0025	-2.5 to 2.5	Pass
				50	7.20	-3.848	-0.0022	-2.5 to 2.5	Pass
	1745	50	0	20	6.12	-1.817	-0.0010	-2.5 to 2.5	Pass
					7.20	-2.046	-0.0012	-2.5 to 2.5	Pass
					8.28	-3.176	-0.0018	-2.5 to 2.5	Pass
				-30	7.20	-2.089	-0.0012	-2.5 to 2.5	Pass
				-20	7.20	-1.302	-0.0007	-2.5 to 2.5	Pass
				-10	7.20	-0.758	-0.0004	-2.5 to 2.5	Pass
				0	7.20	-1.330	-0.0008	-2.5 to 2.5	Pass
				10	7.20	-0.830	-0.0005	-2.5 to 2.5	Pass
				30	7.20	-3.576	-0.0020	-2.5 to 2.5	Pass
				40	7.20	-2.847	-0.0016	-2.5 to 2.5	Pass
				50	7.20	-2.217	-0.0013	-2.5 to 2.5	Pass
	1775	50	0	20	6.12	-2.418	-0.0014	-2.5 to 2.5	Pass

					7.20	-2.103	-0.0012	-2.5 to 2.5	Pass
					8.28	-1.831	-0.0010	-2.5 to 2.5	Pass
				-30	7.20	-1.545	-0.0009	-2.5 to 2.5	Pass
				-20	7.20	-1.788	-0.0010	-2.5 to 2.5	Pass
				-10	7.20	-2.275	-0.0013	-2.5 to 2.5	Pass
				0	7.20	-2.518	-0.0014	-2.5 to 2.5	Pass
				10	7.20	-2.847	-0.0016	-2.5 to 2.5	Pass
				30	7.20	-2.303	-0.0013	-2.5 to 2.5	Pass
				40	7.20	-2.646	-0.0015	-2.5 to 2.5	Pass
				50	7.20	-2.375	-0.0013	-2.5 to 2.5	Pass
64QAM	1715	50	0		6.12	-3.004	-0.0018	-2.5 to 2.5	Pass
				20	7.20	-2.532	-0.0015	-2.5 to 2.5	Pass
					8.28	-3.648	-0.0021	-2.5 to 2.5	Pass
				-30	7.20	-1.345	-0.0008	-2.5 to 2.5	Pass
				-20	7.20	-2.460	-0.0014	-2.5 to 2.5	Pass
				-10	7.20	-1.073	-0.0006	-2.5 to 2.5	Pass
				0	7.20	-1.731	-0.0010	-2.5 to 2.5	Pass
				10	7.20	-1.659	-0.0010	-2.5 to 2.5	Pass
				30	7.20	-1.059	-0.0006	-2.5 to 2.5	Pass
				40	7.20	-1.945	-0.0011	-2.5 to 2.5	Pass
				50	7.20	-1.903	-0.0011	-2.5 to 2.5	Pass
	1745	50	0		6.12	-2.432	-0.0014	-2.5 to 2.5	Pass
				20	7.20	-2.031	-0.0012	-2.5 to 2.5	Pass
					8.28	-1.888	-0.0011	-2.5 to 2.5	Pass
				-30	7.20	-1.760	-0.0010	-2.5 to 2.5	Pass
				-20	7.20	-2.360	-0.0014	-2.5 to 2.5	Pass
				-10	7.20	-2.632	-0.0015	-2.5 to 2.5	Pass
				0	7.20	-1.416	-0.0008	-2.5 to 2.5	Pass
				10	7.20	-2.046	-0.0012	-2.5 to 2.5	Pass
				30	7.20	-3.133	-0.0018	-2.5 to 2.5	Pass
				40	7.20	-1.917	-0.0011	-2.5 to 2.5	Pass
				50	7.20	-1.860	-0.0011	-2.5 to 2.5	Pass
	1775	50	0		6.12	-2.475	-0.0014	-2.5 to 2.5	Pass
				20	7.20	-2.160	-0.0012	-2.5 to 2.5	Pass
					8.28	-2.360	-0.0013	-2.5 to 2.5	Pass
				-30	7.20	-2.403	-0.0014	-2.5 to 2.5	Pass
				-20	7.20	-3.548	-0.0020	-2.5 to 2.5	Pass
				-10	7.20	-2.632	-0.0015	-2.5 to 2.5	Pass
				0	7.20	-1.988	-0.0011	-2.5 to 2.5	Pass
				10	7.20	-3.777	-0.0021	-2.5 to 2.5	Pass
				30	7.20	-3.462	-0.0020	-2.5 to 2.5	Pass
				40	7.20	-1.602	-0.0009	-2.5 to 2.5	Pass
				50	7.20	-2.389	-0.0013	-2.5 to 2.5	Pass

2.5 B66_15MHz

2.5.1 Test Result

Band: 66 / 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	6.12	-0.916	-0.0005	-2.5 to 2.5	Pass
					7.20	-1.345	-0.0008	-2.5 to 2.5	Pass
					8.28	-1.001	-0.0006	-2.5 to 2.5	Pass
				-30	7.20	-0.343	-0.0002	-2.5 to 2.5	Pass
				-20	7.20	0.644	0.0004	-2.5 to 2.5	Pass
				-10	7.20	-0.143	-0.0001	-2.5 to 2.5	Pass
				0	7.20	-0.143	-0.0001	-2.5 to 2.5	Pass
				10	7.20	-0.873	-0.0005	-2.5 to 2.5	Pass
				30	7.20	-0.730	-0.0004	-2.5 to 2.5	Pass
				40	7.20	0.386	0.0002	-2.5 to 2.5	Pass
				50	7.20	0.057	0.0000	-2.5 to 2.5	Pass
	1745	75	0	20	6.12	-3.490	-0.0020	-2.5 to 2.5	Pass
					7.20	-2.246	-0.0013	-2.5 to 2.5	Pass
					8.28	-3.390	-0.0019	-2.5 to 2.5	Pass
				-30	7.20	-2.518	-0.0014	-2.5 to 2.5	Pass
				-20	7.20	-2.933	-0.0017	-2.5 to 2.5	Pass
				-10	7.20	-3.433	-0.0020	-2.5 to 2.5	Pass
				0	7.20	-3.090	-0.0018	-2.5 to 2.5	Pass
				10	7.20	-2.489	-0.0014	-2.5 to 2.5	Pass
				30	7.20	-2.975	-0.0017	-2.5 to 2.5	Pass
				40	7.20	-1.845	-0.0011	-2.5 to 2.5	Pass
				50	7.20	-1.659	-0.0010	-2.5 to 2.5	Pass
	1772.5	75	0	20	6.12	2.117	0.0012	-2.5 to 2.5	Pass
					7.20	1.659	0.0009	-2.5 to 2.5	Pass
					8.28	1.731	0.0010	-2.5 to 2.5	Pass
				-30	7.20	2.518	0.0014	-2.5 to 2.5	Pass
				-20	7.20	1.688	0.0010	-2.5 to 2.5	Pass
				-10	7.20	2.389	0.0013	-2.5 to 2.5	Pass
				0	7.20	1.101	0.0006	-2.5 to 2.5	Pass
				10	7.20	1.602	0.0009	-2.5 to 2.5	Pass
				30	7.20	1.974	0.0011	-2.5 to 2.5	Pass
				40	7.20	2.475	0.0014	-2.5 to 2.5	Pass
				50	7.20	1.616	0.0009	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	6.12	-0.072	0.0000	-2.5 to 2.5	Pass
					7.20	-1.316	-0.0008	-2.5 to 2.5	Pass
					8.28	-0.043	0.0000	-2.5 to 2.5	Pass
				-30	7.20	-0.229	-0.0001	-2.5 to 2.5	Pass
				-20	7.20	-0.458	-0.0003	-2.5 to 2.5	Pass
				-10	7.20	-0.372	-0.0002	-2.5 to 2.5	Pass
				0	7.20	-0.300	-0.0002	-2.5 to 2.5	Pass
				10	7.20	-0.558	-0.0003	-2.5 to 2.5	Pass
				30	7.20	0.787	0.0005	-2.5 to 2.5	Pass
				40	7.20	-1.345	-0.0008	-2.5 to 2.5	Pass
				50	7.20	-0.057	0.0000	-2.5 to 2.5	Pass
	1745	75	0	20	6.12	-3.276	-0.0019	-2.5 to 2.5	Pass
					7.20	-2.246	-0.0013	-2.5 to 2.5	Pass
					8.28	-2.503	-0.0014	-2.5 to 2.5	Pass
				-30	7.20	-3.076	-0.0018	-2.5 to 2.5	Pass
				-20	7.20	-2.990	-0.0017	-2.5 to 2.5	Pass
				-10	7.20	-3.061	-0.0018	-2.5 to 2.5	Pass

				0	7.20	-2.718	-0.0016	-2.5 to 2.5	Pass
				10	7.20	-2.418	-0.0014	-2.5 to 2.5	Pass
				30	7.20	-2.847	-0.0016	-2.5 to 2.5	Pass
				40	7.20	-2.117	-0.0012	-2.5 to 2.5	Pass
				50	7.20	-2.975	-0.0017	-2.5 to 2.5	Pass
	1772.5	75	0	20	6.12	1.116	0.0006	-2.5 to 2.5	Pass
					7.20	1.931	0.0011	-2.5 to 2.5	Pass
					8.28	0.973	0.0005	-2.5 to 2.5	Pass
				-30	7.20	1.431	0.0008	-2.5 to 2.5	Pass
				-20	7.20	1.602	0.0009	-2.5 to 2.5	Pass
				-10	7.20	1.330	0.0008	-2.5 to 2.5	Pass
				0	7.20	1.087	0.0006	-2.5 to 2.5	Pass
				10	7.20	0.772	0.0004	-2.5 to 2.5	Pass
				30	7.20	0.429	0.0002	-2.5 to 2.5	Pass
				40	7.20	-0.029	0.0000	-2.5 to 2.5	Pass
				50	7.20	0.286	0.0002	-2.5 to 2.5	Pass
64QAM	1717.5	75	0	20	6.12	-0.372	-0.0002	-2.5 to 2.5	Pass
					7.20	-0.372	-0.0002	-2.5 to 2.5	Pass
					8.28	-1.416	-0.0008	-2.5 to 2.5	Pass
				-30	7.20	0.157	0.0001	-2.5 to 2.5	Pass
				-20	7.20	-1.388	-0.0008	-2.5 to 2.5	Pass
				-10	7.20	-1.216	-0.0007	-2.5 to 2.5	Pass
				0	7.20	-0.916	-0.0005	-2.5 to 2.5	Pass
				10	7.20	-1.173	-0.0007	-2.5 to 2.5	Pass
				30	7.20	-0.572	-0.0003	-2.5 to 2.5	Pass
				40	7.20	-1.717	-0.0010	-2.5 to 2.5	Pass
				50	7.20	-0.057	0.0000	-2.5 to 2.5	Pass
	1745	75	0	20	6.12	-2.403	-0.0014	-2.5 to 2.5	Pass
					7.20	-2.947	-0.0017	-2.5 to 2.5	Pass
					8.28	-2.275	-0.0013	-2.5 to 2.5	Pass
				-30	7.20	-3.119	-0.0018	-2.5 to 2.5	Pass
				-20	7.20	-3.076	-0.0018	-2.5 to 2.5	Pass
				-10	7.20	-3.119	-0.0018	-2.5 to 2.5	Pass
				0	7.20	-1.817	-0.0010	-2.5 to 2.5	Pass
				10	7.20	-1.988	-0.0011	-2.5 to 2.5	Pass
				30	7.20	-2.589	-0.0015	-2.5 to 2.5	Pass
				40	7.20	-2.117	-0.0012	-2.5 to 2.5	Pass
				50	7.20	-2.389	-0.0014	-2.5 to 2.5	Pass
	1772.5	75	0	20	6.12	0.486	0.0003	-2.5 to 2.5	Pass
					7.20	0.329	0.0002	-2.5 to 2.5	Pass
					8.28	0.887	0.0005	-2.5 to 2.5	Pass
				-30	7.20	1.473	0.0008	-2.5 to 2.5	Pass
				-20	7.20	1.159	0.0007	-2.5 to 2.5	Pass
				-10	7.20	1.688	0.0010	-2.5 to 2.5	Pass
				0	7.20	0.157	0.0001	-2.5 to 2.5	Pass
				10	7.20	0.987	0.0006	-2.5 to 2.5	Pass
				30	7.20	1.888	0.0011	-2.5 to 2.5	Pass
				40	7.20	1.345	0.0008	-2.5 to 2.5	Pass
				50	7.20	0.601	0.0003	-2.5 to 2.5	Pass

2.6 B66_20MHz

2.6.1 Test Result

Band: 66 / 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	6.12	1.760	0.0010	-2.5 to 2.5	Pass
					7.20	1.588	0.0009	-2.5 to 2.5	Pass
					8.28	1.702	0.0010	-2.5 to 2.5	Pass
				-30	7.20	1.788	0.0010	-2.5 to 2.5	Pass
				-20	7.20	2.375	0.0014	-2.5 to 2.5	Pass
				-10	7.20	1.273	0.0007	-2.5 to 2.5	Pass
				0	7.20	2.174	0.0013	-2.5 to 2.5	Pass
				10	7.20	2.003	0.0012	-2.5 to 2.5	Pass
				30	7.20	1.760	0.0010	-2.5 to 2.5	Pass
				40	7.20	1.731	0.0010	-2.5 to 2.5	Pass
				50	7.20	1.345	0.0008	-2.5 to 2.5	Pass
	1745	100	0	20	6.12	-3.333	-0.0019	-2.5 to 2.5	Pass
					7.20	-3.161	-0.0018	-2.5 to 2.5	Pass
					8.28	-3.104	-0.0018	-2.5 to 2.5	Pass
				-30	7.20	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	7.20	-3.505	-0.0020	-2.5 to 2.5	Pass
				-10	7.20	-2.060	-0.0012	-2.5 to 2.5	Pass
				0	7.20	-2.475	-0.0014	-2.5 to 2.5	Pass
				10	7.20	-2.761	-0.0016	-2.5 to 2.5	Pass
				30	7.20	-2.604	-0.0015	-2.5 to 2.5	Pass
				40	7.20	-3.176	-0.0018	-2.5 to 2.5	Pass
				50	7.20	-4.420	-0.0025	-2.5 to 2.5	Pass
	1770	100	0	20	6.12	0.815	0.0005	-2.5 to 2.5	Pass
					7.20	0.658	0.0004	-2.5 to 2.5	Pass
					8.28	1.273	0.0007	-2.5 to 2.5	Pass
				-30	7.20	0.358	0.0002	-2.5 to 2.5	Pass
				-20	7.20	1.073	0.0006	-2.5 to 2.5	Pass
				-10	7.20	-0.086	0.0000	-2.5 to 2.5	Pass
				0	7.20	0.000	0.0000	-2.5 to 2.5	Pass
				10	7.20	-0.744	-0.0004	-2.5 to 2.5	Pass
				30	7.20	1.059	0.0006	-2.5 to 2.5	Pass
				40	7.20	0.443	0.0003	-2.5 to 2.5	Pass
				50	7.20	0.200	0.0001	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	6.12	1.545	0.0009	-2.5 to 2.5	Pass
					7.20	1.202	0.0007	-2.5 to 2.5	Pass
					8.28	1.731	0.0010	-2.5 to 2.5	Pass
				-30	7.20	1.059	0.0006	-2.5 to 2.5	Pass
				-20	7.20	1.459	0.0008	-2.5 to 2.5	Pass
				-10	7.20	1.001	0.0006	-2.5 to 2.5	Pass
				0	7.20	1.459	0.0008	-2.5 to 2.5	Pass
				10	7.20	0.644	0.0004	-2.5 to 2.5	Pass
				30	7.20	0.200	0.0001	-2.5 to 2.5	Pass
				40	7.20	1.788	0.0010	-2.5 to 2.5	Pass
				50	7.20	0.772	0.0004	-2.5 to 2.5	Pass
	1745	100	0	20	6.12	-2.689	-0.0015	-2.5 to 2.5	Pass
					7.20	-1.945	-0.0011	-2.5 to 2.5	Pass
					8.28	-1.273	-0.0007	-2.5 to 2.5	Pass
				-30	7.20	-2.761	-0.0016	-2.5 to 2.5	Pass
				-20	7.20	-1.945	-0.0011	-2.5 to 2.5	Pass
				-10	7.20	-3.662	-0.0021	-2.5 to 2.5	Pass

				0	7.20	-2.546	-0.0015	-2.5 to 2.5	Pass
				10	7.20	-2.646	-0.0015	-2.5 to 2.5	Pass
				30	7.20	-2.203	-0.0013	-2.5 to 2.5	Pass
				40	7.20	-2.403	-0.0014	-2.5 to 2.5	Pass
				50	7.20	-2.160	-0.0012	-2.5 to 2.5	Pass
	1770	100	0	20	6.12	0.672	0.0004	-2.5 to 2.5	Pass
					7.20	-0.329	-0.0002	-2.5 to 2.5	Pass
					8.28	0.658	0.0004	-2.5 to 2.5	Pass
				-30	7.20	1.030	0.0006	-2.5 to 2.5	Pass
				-20	7.20	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	7.20	0.486	0.0003	-2.5 to 2.5	Pass
				0	7.20	1.187	0.0007	-2.5 to 2.5	Pass
				10	7.20	1.173	0.0007	-2.5 to 2.5	Pass
				30	7.20	0.415	0.0002	-2.5 to 2.5	Pass
				40	7.20	0.315	0.0002	-2.5 to 2.5	Pass
				50	7.20	1.087	0.0006	-2.5 to 2.5	Pass
64QAM	1720	100	0	20	6.12	0.315	0.0002	-2.5 to 2.5	Pass
					7.20	0.315	0.0002	-2.5 to 2.5	Pass
					8.28	1.245	0.0007	-2.5 to 2.5	Pass
				-30	7.20	2.975	0.0017	-2.5 to 2.5	Pass
				-20	7.20	1.287	0.0007	-2.5 to 2.5	Pass
				-10	7.20	1.245	0.0007	-2.5 to 2.5	Pass
				0	7.20	0.515	0.0003	-2.5 to 2.5	Pass
				10	7.20	0.601	0.0003	-2.5 to 2.5	Pass
				30	7.20	0.916	0.0005	-2.5 to 2.5	Pass
				40	7.20	1.016	0.0006	-2.5 to 2.5	Pass
				50	7.20	0.930	0.0005	-2.5 to 2.5	Pass
	1745	100	0	20	6.12	-2.031	-0.0012	-2.5 to 2.5	Pass
					7.20	-2.432	-0.0014	-2.5 to 2.5	Pass
					8.28	-2.432	-0.0014	-2.5 to 2.5	Pass
				-30	7.20	-2.532	-0.0015	-2.5 to 2.5	Pass
				-20	7.20	-2.604	-0.0015	-2.5 to 2.5	Pass
				-10	7.20	-2.861	-0.0016	-2.5 to 2.5	Pass
				0	7.20	-2.203	-0.0013	-2.5 to 2.5	Pass
				10	7.20	-3.161	-0.0018	-2.5 to 2.5	Pass
				30	7.20	-3.419	-0.0020	-2.5 to 2.5	Pass
				40	7.20	-3.047	-0.0017	-2.5 to 2.5	Pass
				50	7.20	-2.503	-0.0014	-2.5 to 2.5	Pass
	1770	100	0	20	6.12	0.916	0.0005	-2.5 to 2.5	Pass
					7.20	0.172	0.0001	-2.5 to 2.5	Pass
					8.28	0.787	0.0004	-2.5 to 2.5	Pass
				-30	7.20	0.801	0.0005	-2.5 to 2.5	Pass
				-20	7.20	0.572	0.0003	-2.5 to 2.5	Pass
				-10	7.20	0.200	0.0001	-2.5 to 2.5	Pass
				0	7.20	0.458	0.0003	-2.5 to 2.5	Pass
				10	7.20	-0.601	-0.0003	-2.5 to 2.5	Pass
				30	7.20	1.030	0.0006	-2.5 to 2.5	Pass
				40	7.20	-0.057	0.0000	-2.5 to 2.5	Pass
				50	7.20	-0.086	0.0000	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

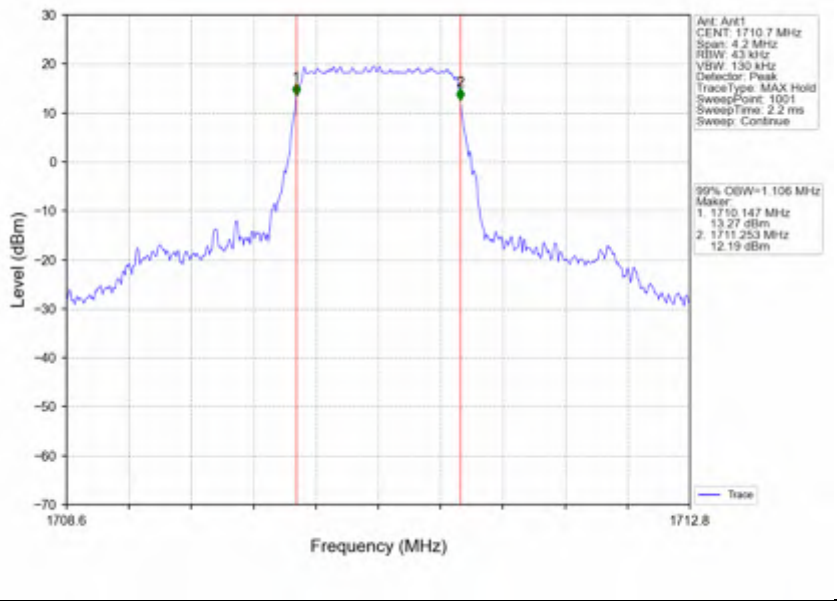
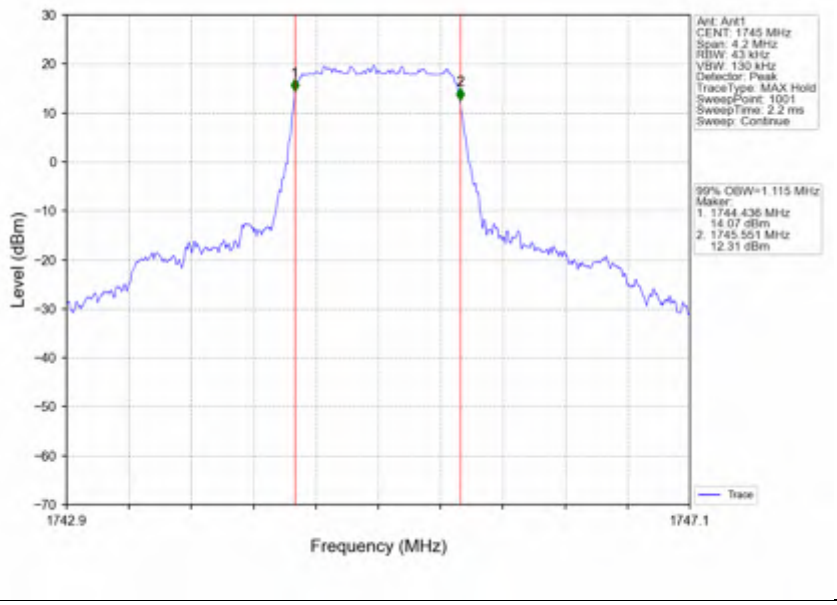
3.1 Band66_OBW

3.1.1 Test Result

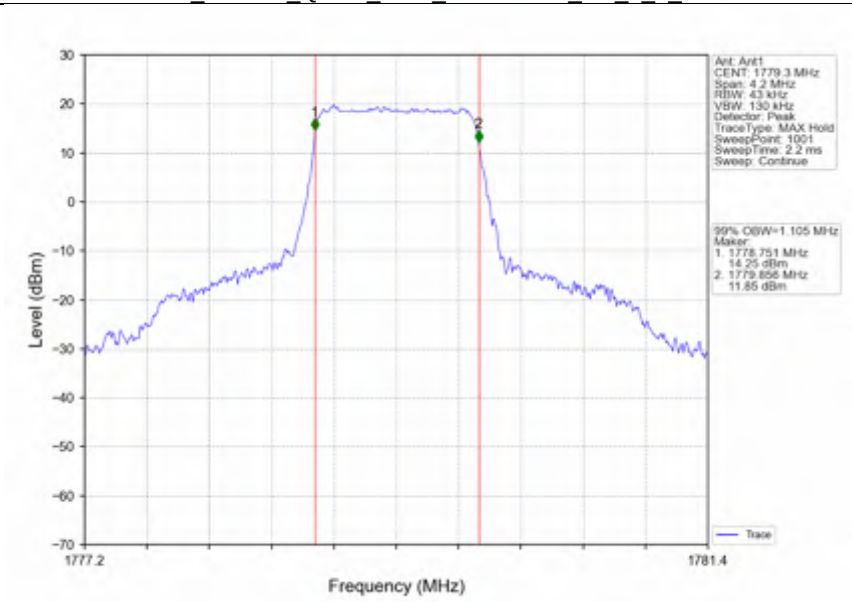
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.106	/	Pass
		1745	6	0	1.115	/	Pass
		1779.3	6	0	1.105	/	Pass
	16QAM	1710.7	6	0	1.105	/	Pass
		1745	6	0	1.111	/	Pass
		1779.3	6	0	1.120	/	Pass
	64QAM	1710.7	6	0	1.118	/	Pass
		1745	6	0	1.106	/	Pass
		1779.3	6	0	1.112	/	Pass
3	QPSK	1711.5	15	0	2.740	/	Pass
		1745	15	0	2.751	/	Pass
		1778.5	15	0	2.734	/	Pass
	16QAM	1711.5	15	0	2.761	/	Pass
		1745	15	0	2.741	/	Pass
		1778.5	15	0	2.740	/	Pass
	64QAM	1711.5	15	0	2.742	/	Pass
		1745	15	0	2.734	/	Pass
		1778.5	15	0	2.732	/	Pass
5	QPSK	1712.5	25	0	4.542	/	Pass
		1745	25	0	4.528	/	Pass
		1777.5	25	0	4.546	/	Pass
	16QAM	1712.5	25	0	4.533	/	Pass
		1745	25	0	4.563	/	Pass
		1777.5	25	0	4.575	/	Pass
	64QAM	1712.5	25	0	4.541	/	Pass
		1745	25	0	4.560	/	Pass
		1777.5	25	0	4.528	/	Pass
10	QPSK	1715	50	0	9.059	/	Pass
		1745	50	0	9.027	/	Pass
		1775	50	0	9.024	/	Pass
	16QAM	1715	50	0	9.012	/	Pass
		1745	50	0	9.028	/	Pass
		1775	50	0	9.029	/	Pass
	64QAM	1715	50	0	9.045	/	Pass
		1745	50	0	9.027	/	Pass
		1775	50	0	9.052	/	Pass
15	QPSK	1717.5	75	0	13.558	/	Pass
		1745	75	0	13.524	/	Pass
		1772.5	75	0	13.461	/	Pass
	16QAM	1717.5	75	0	13.550	/	Pass
		1745	75	0	13.534	/	Pass
		1772.5	75	0	13.537	/	Pass
	64QAM	1717.5	75	0	13.526	/	Pass
		1745	75	0	13.552	/	Pass
		1772.5	75	0	13.516	/	Pass
20	QPSK	1720	100	0	18.062	/	Pass
		1745	100	0	17.980	/	Pass

		1770	100	0	18.034	/	Pass
	16QAM	1720	100	0	18.038	/	Pass
		1745	100	0	18.047	/	Pass
		1770	100	0	17.983	/	Pass
	64QAM	1720	100	0	18.033	/	Pass
		1745	100	0	18.062	/	Pass
		1770	100	0	18.000	/	Pass

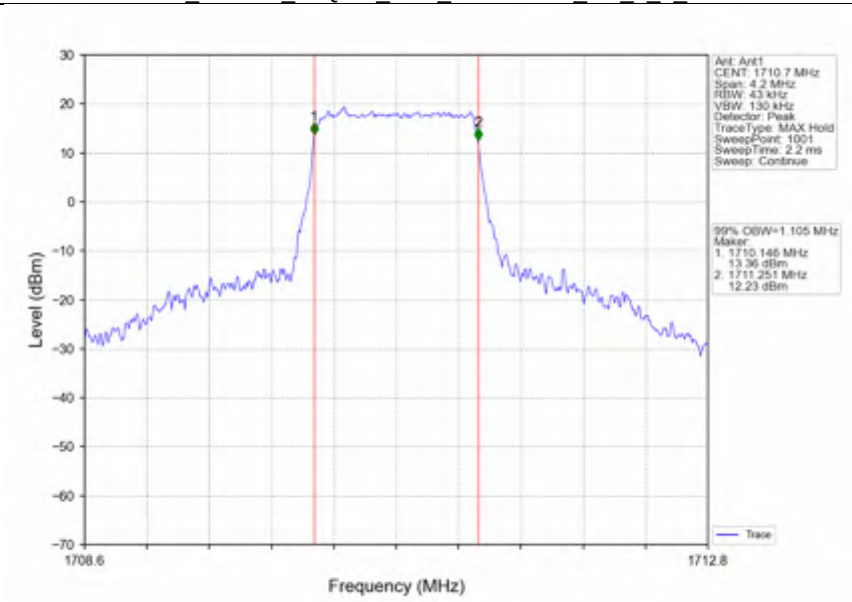
3.1.2 Test Graph

Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV


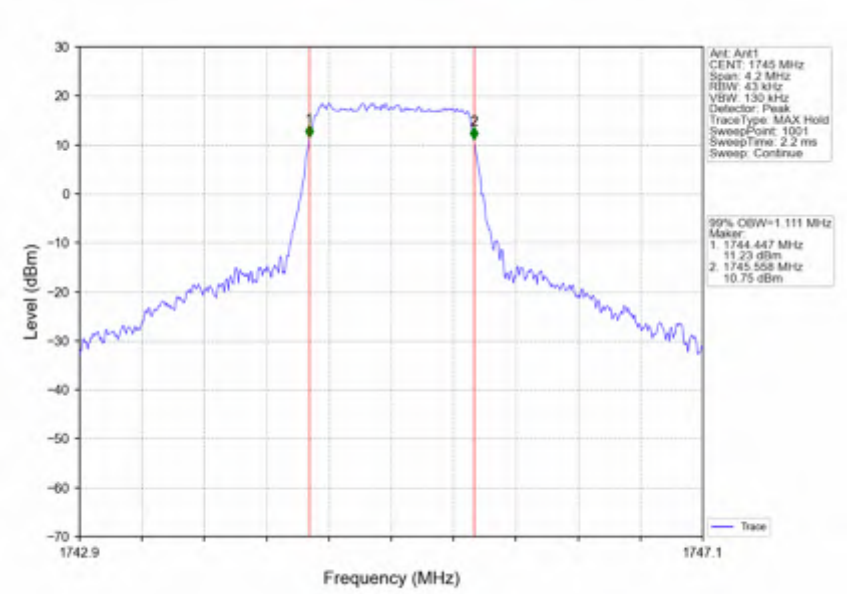
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



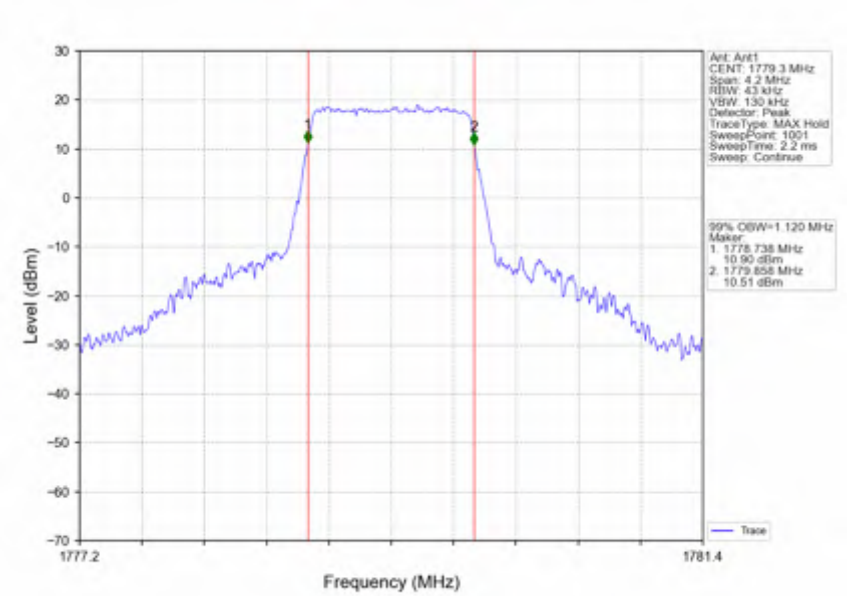
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



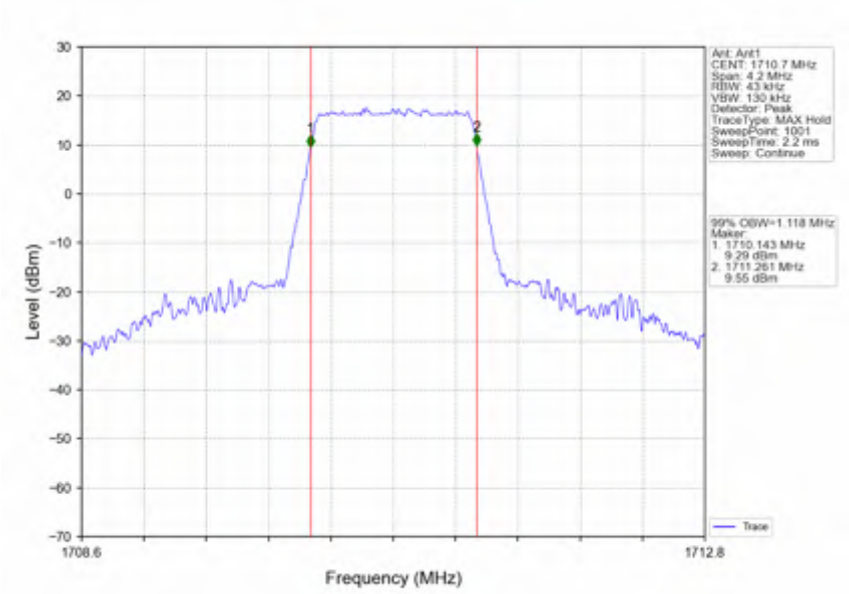
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



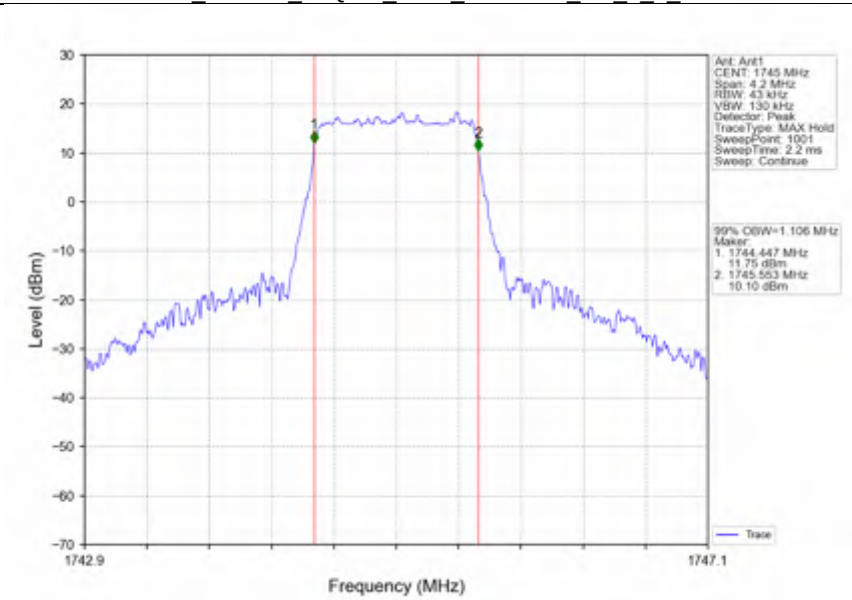
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



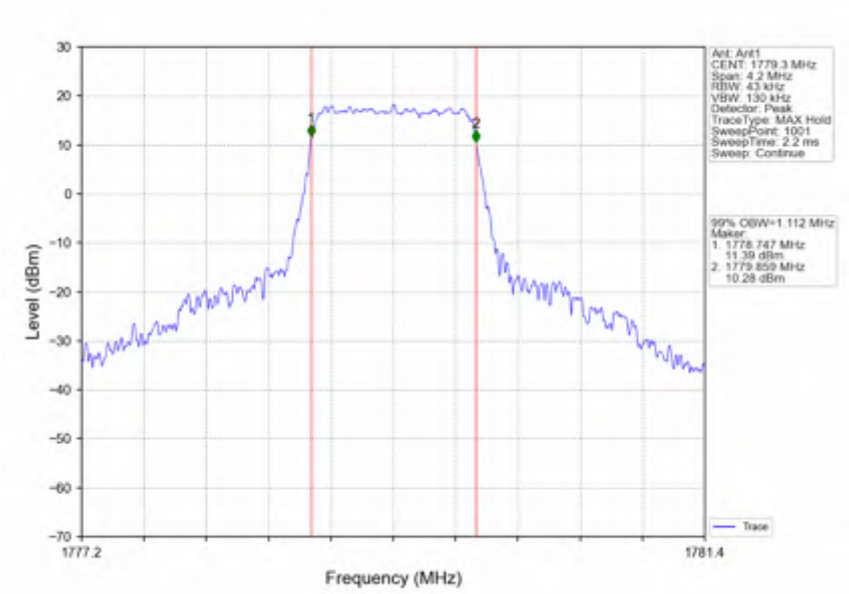
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



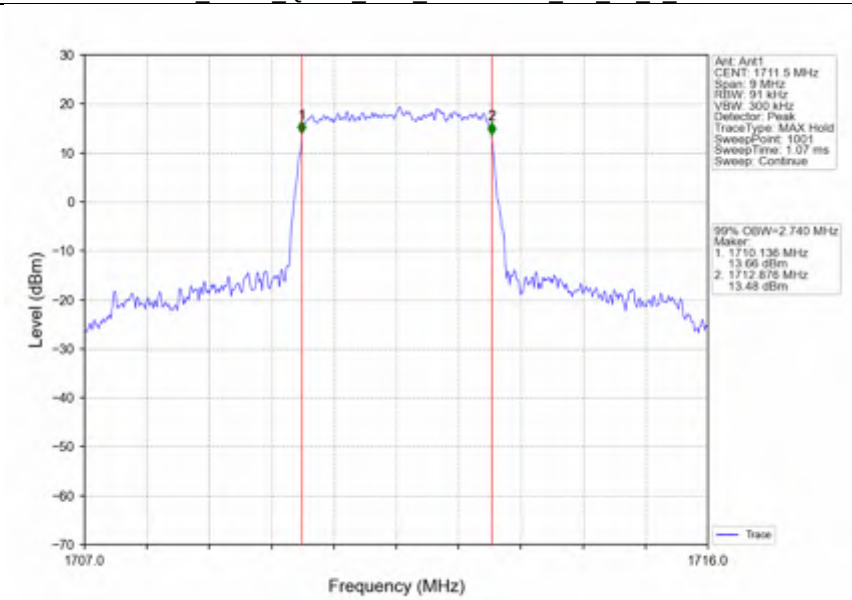
Band66_1.4MHz_64QAM_MCH_1745MHz_RB_6_0_NTNV



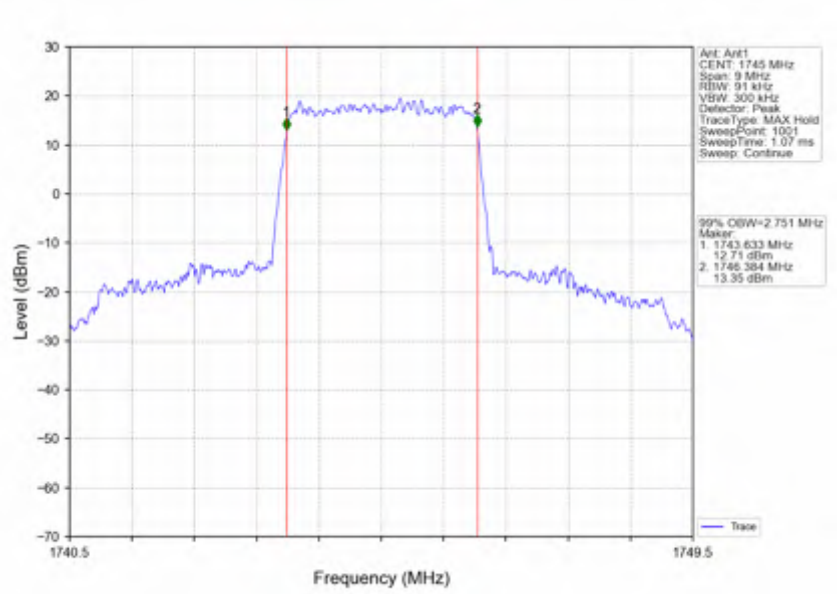
Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV



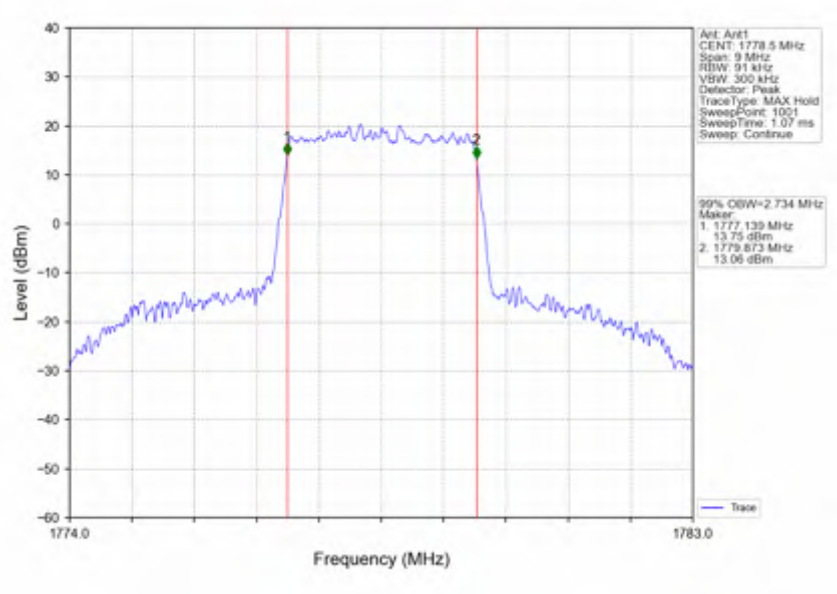
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



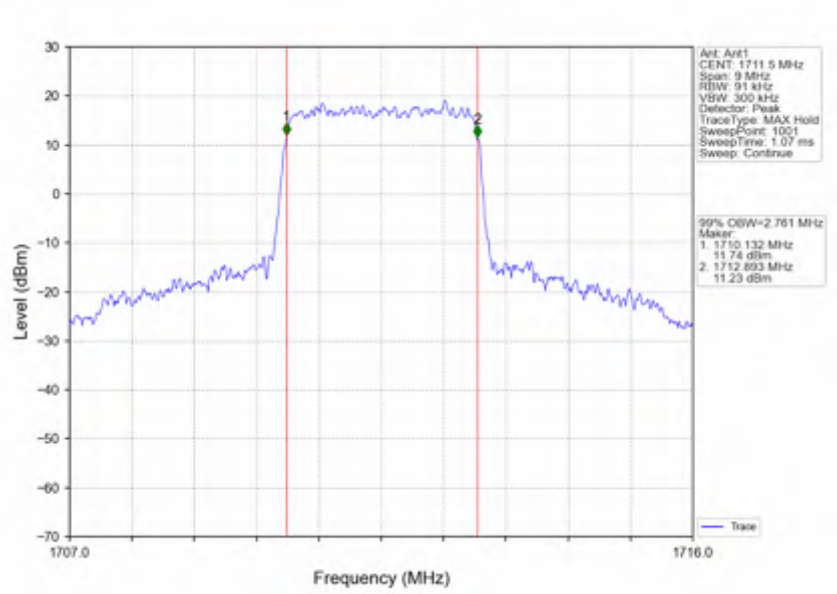
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



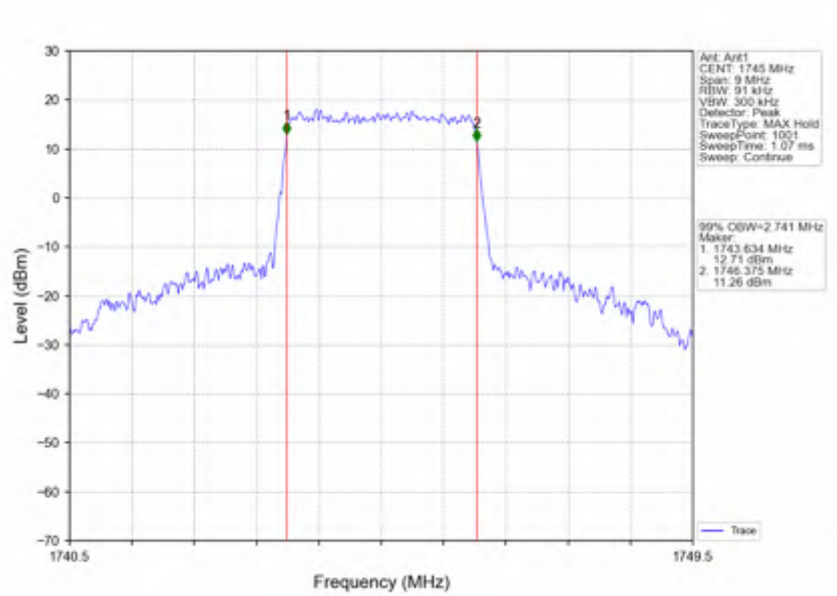
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



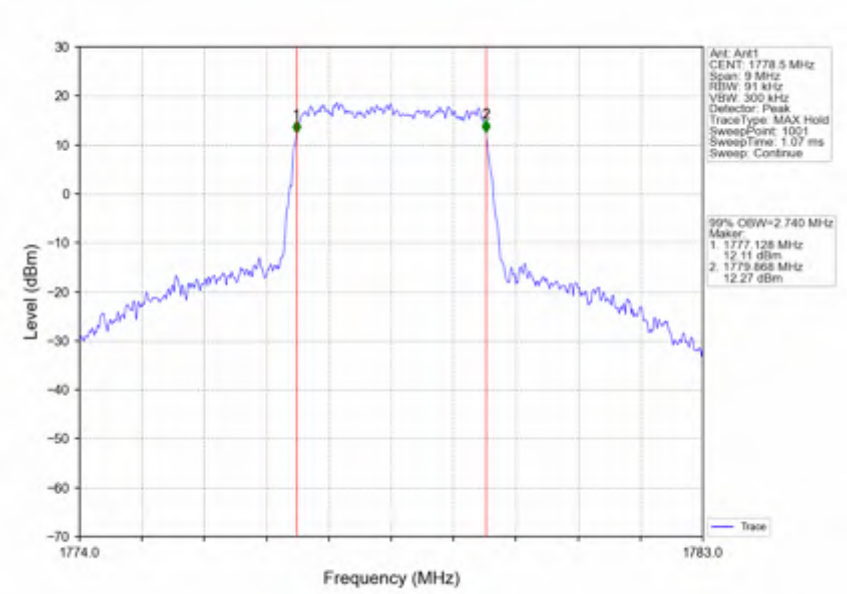
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



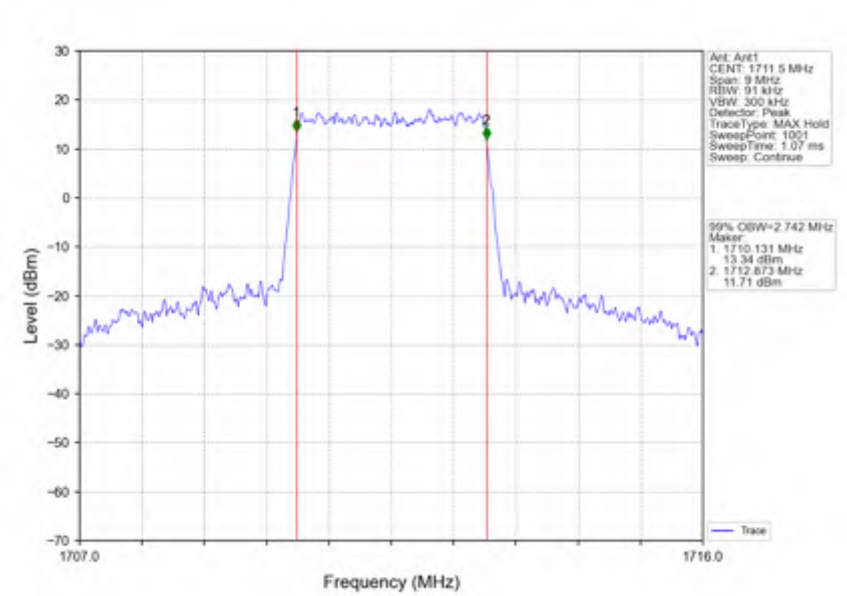
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



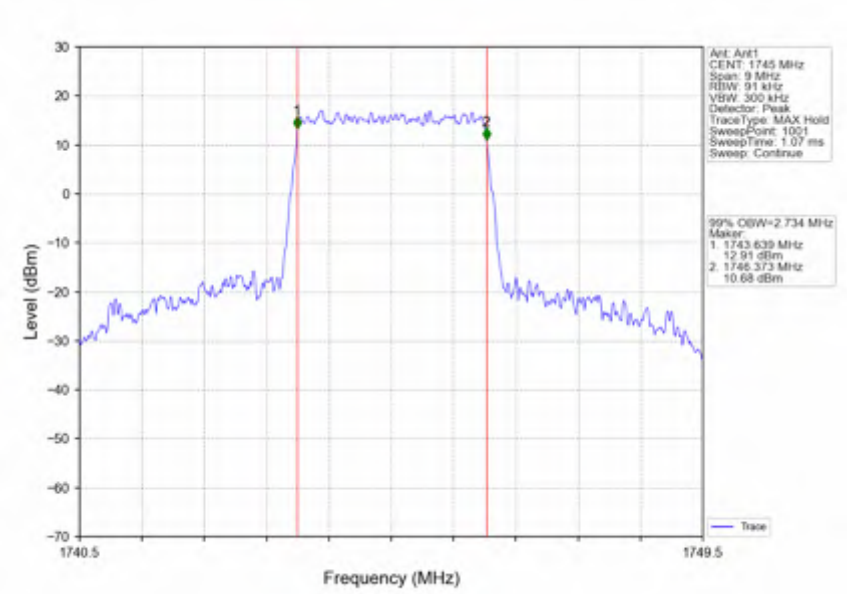
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



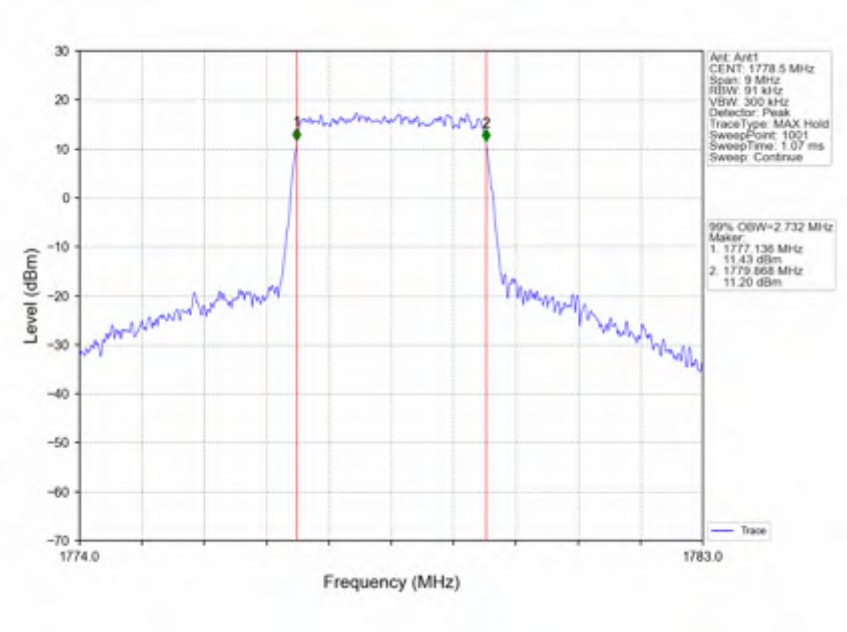
Band66_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



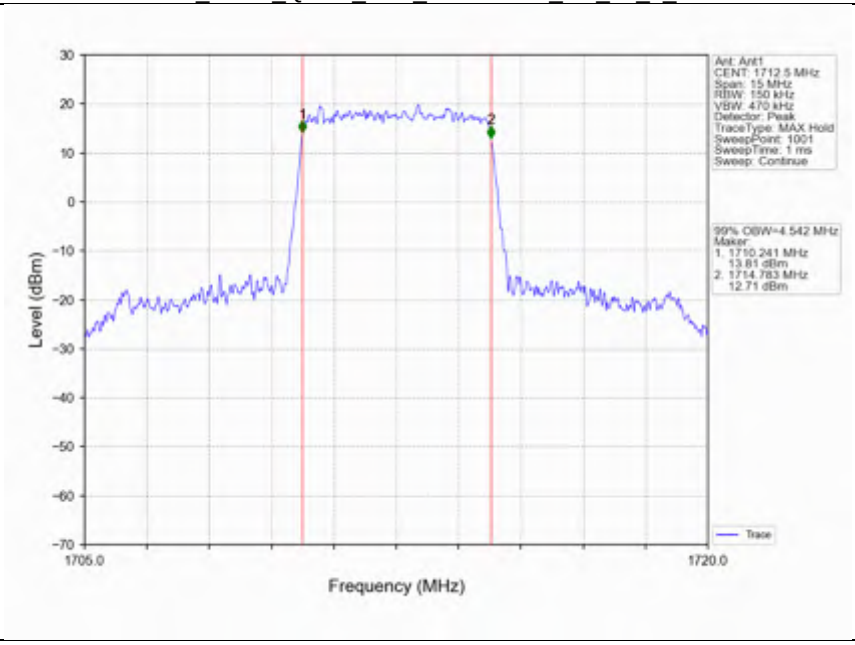
Band66_3MHz_64QAM_MCH_1745MHz_RB_15_0_NTNV



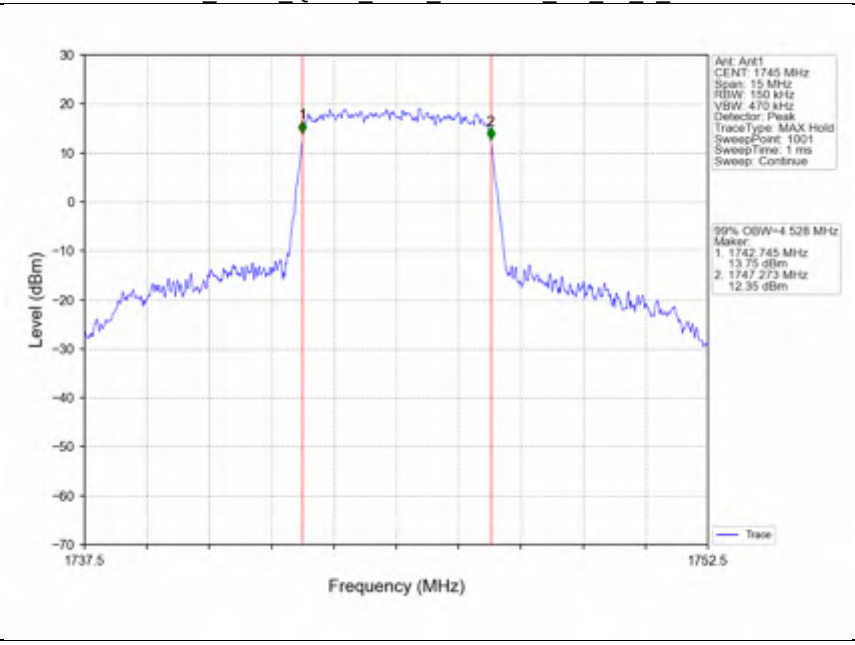
Band66_3MHz_64QAM_HCH_1778.5MHz_RB_15_0_NTNV



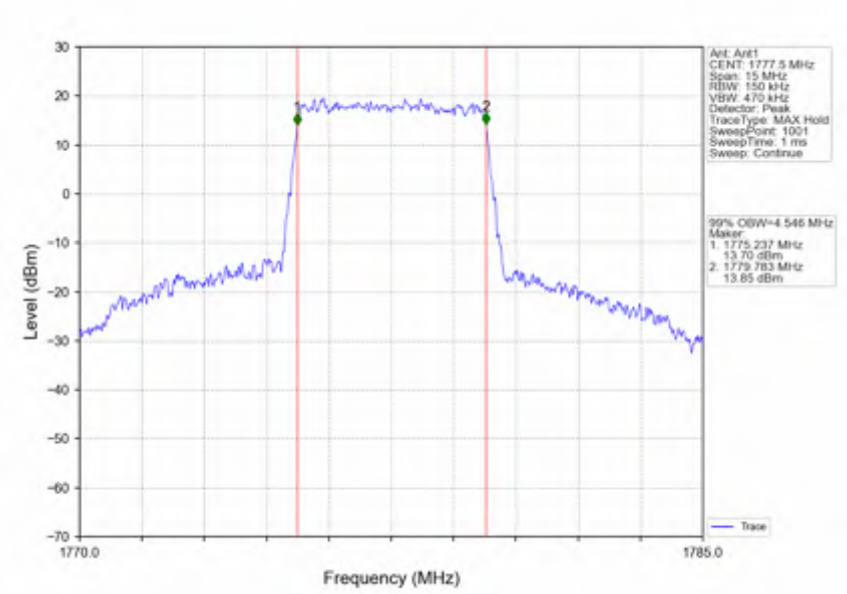
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



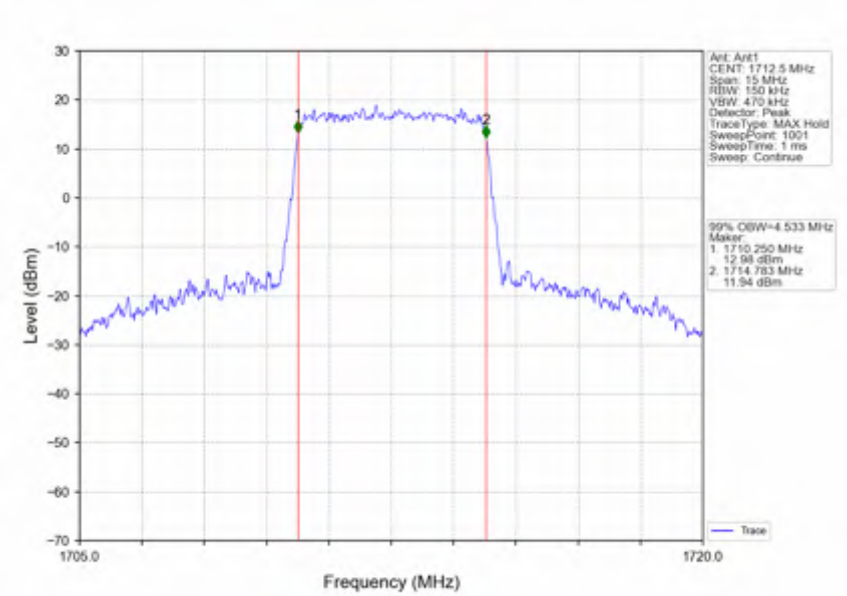
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



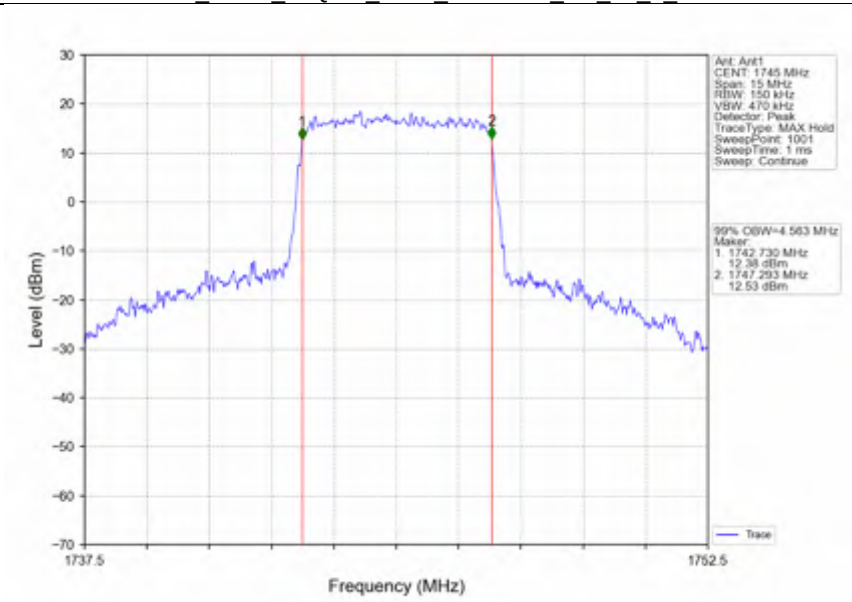
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



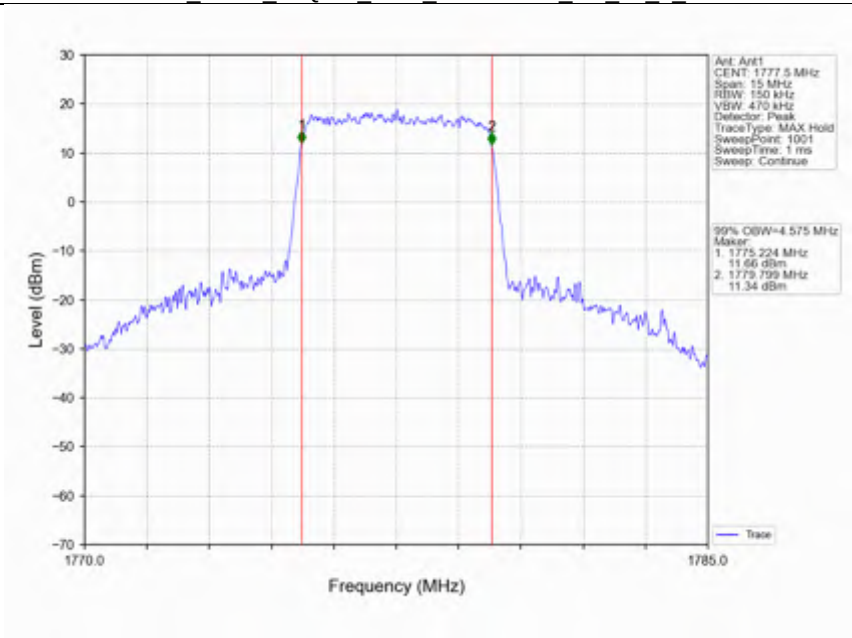
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



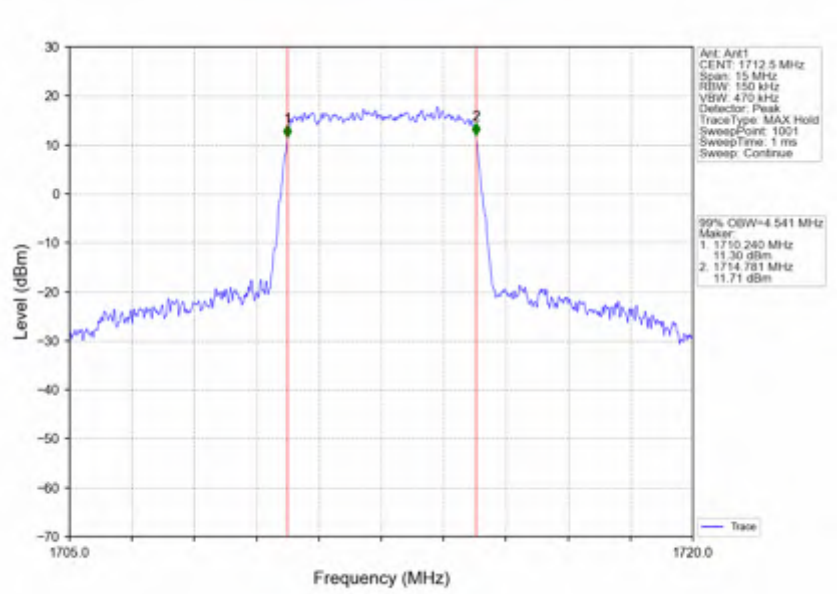
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



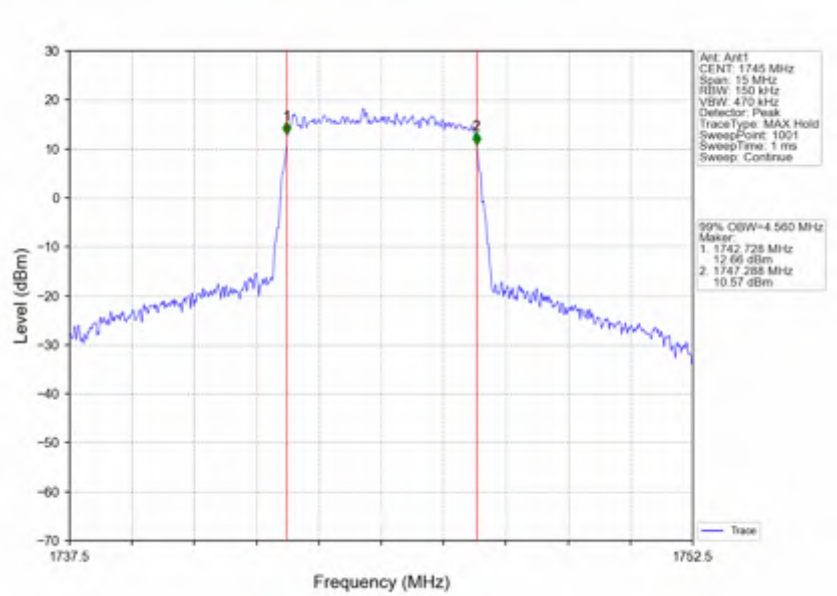
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



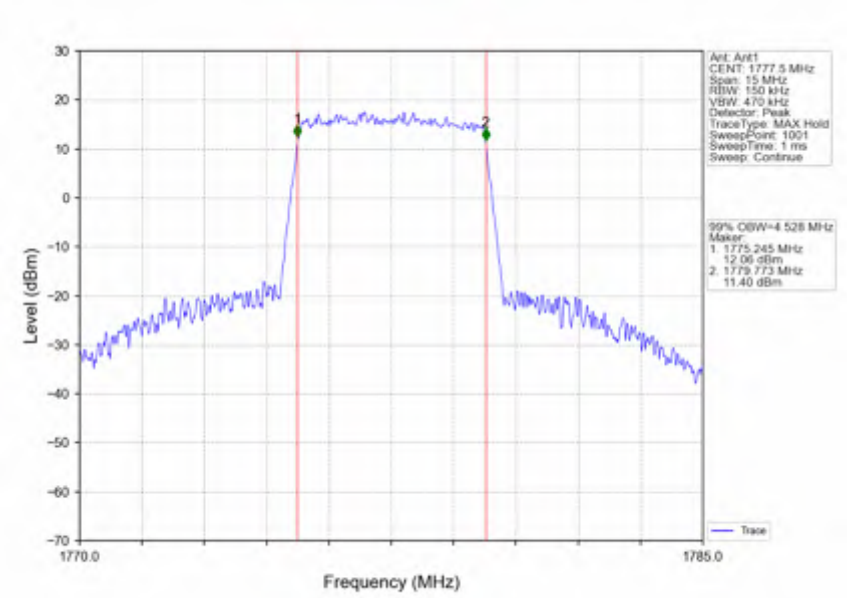
Band66_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



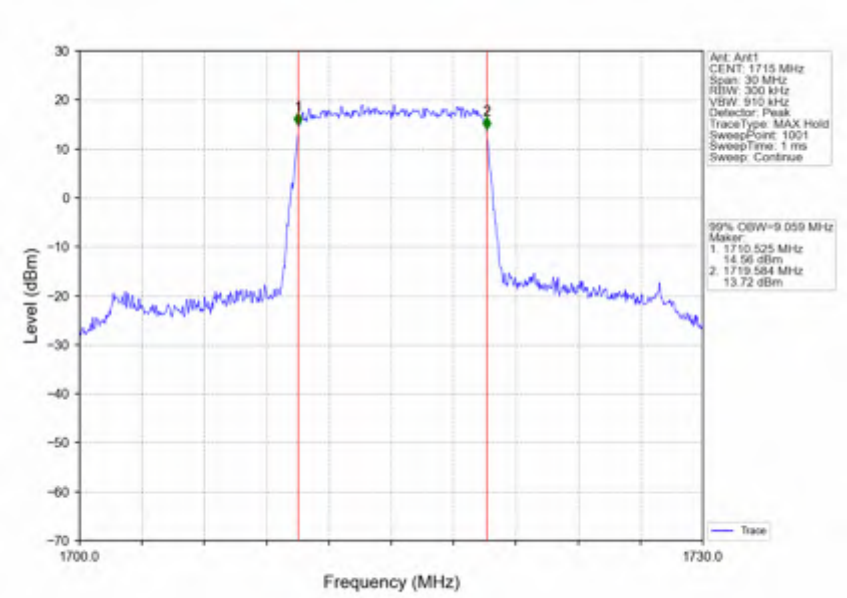
Band66_5MHz_64QAM_MCH_1745MHz_RB_25_0_NTNV



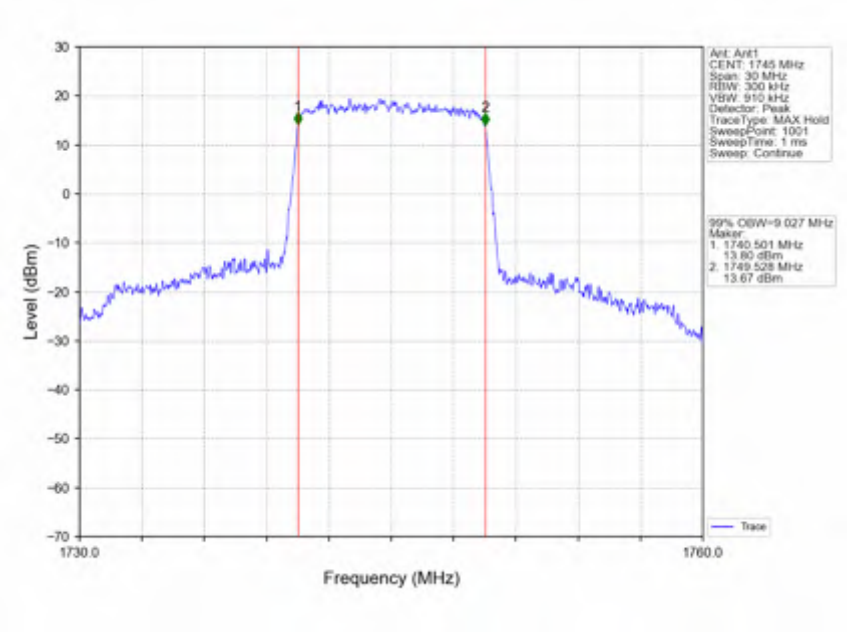
Band66_5MHz_64QAM_HCH_1777.5MHz_RB_25_0_NTNV



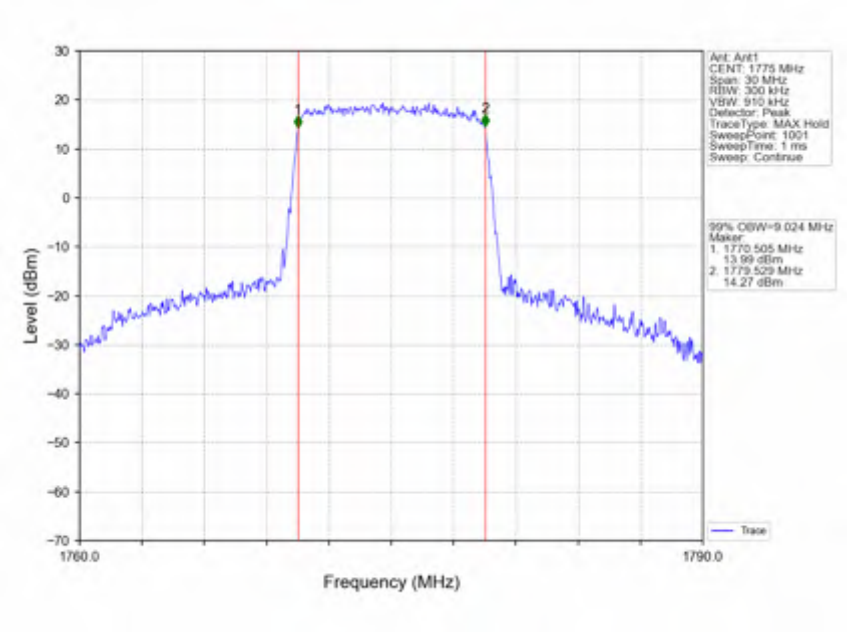
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



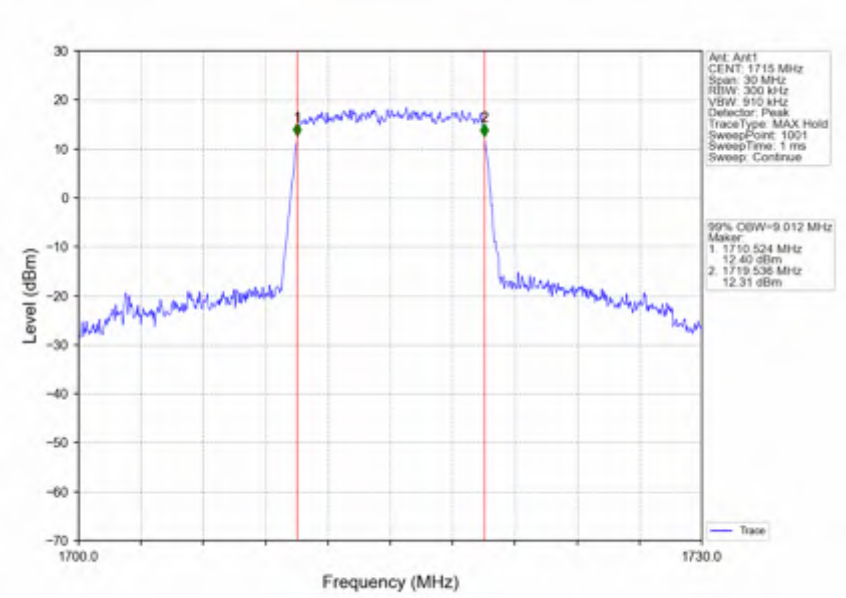
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



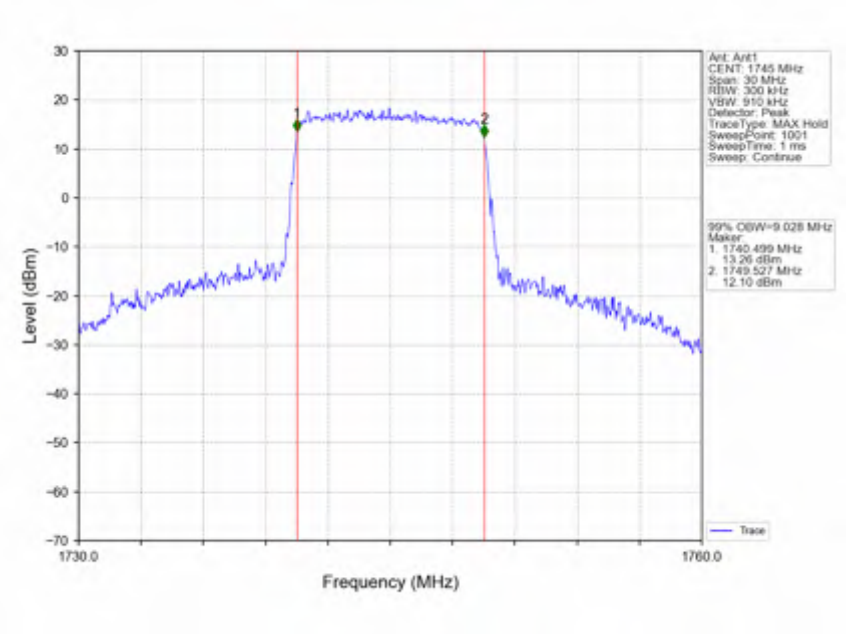
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



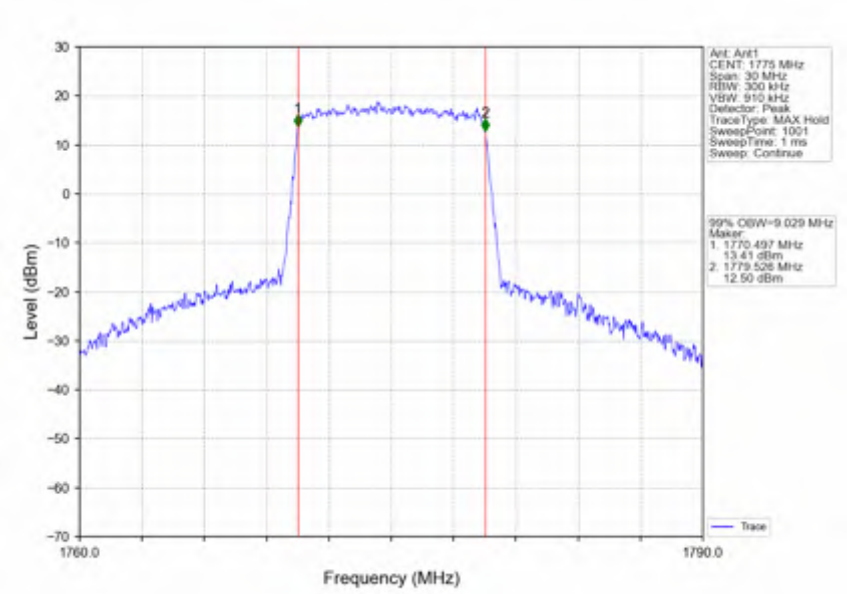
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



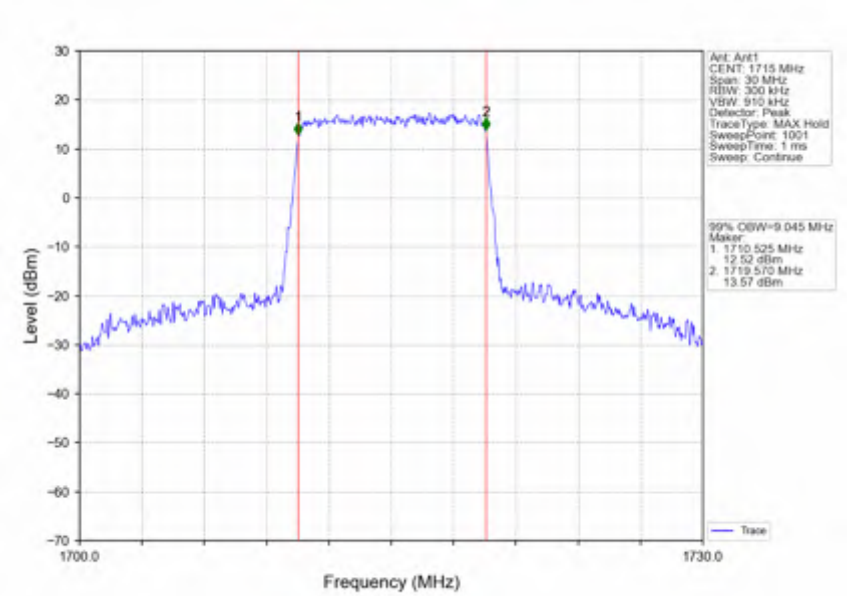
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



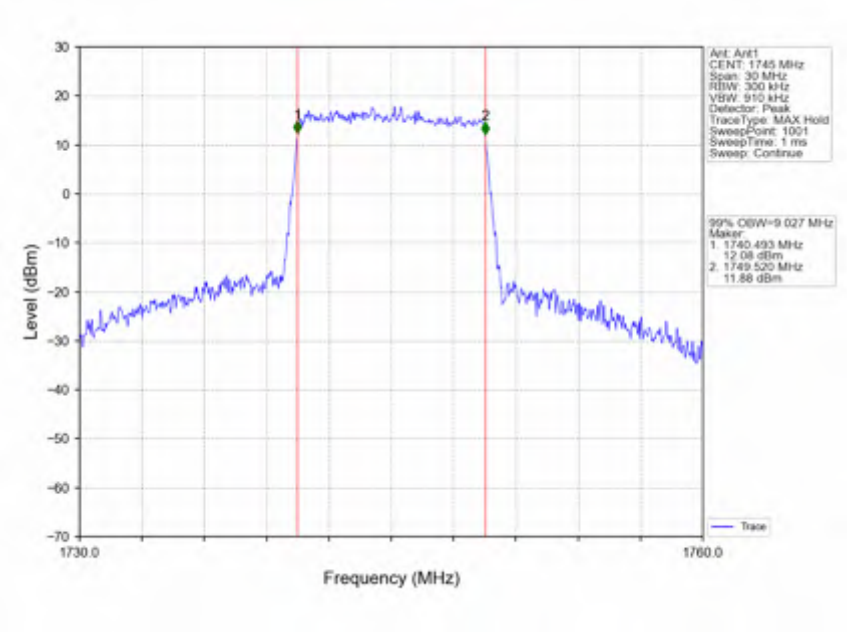
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



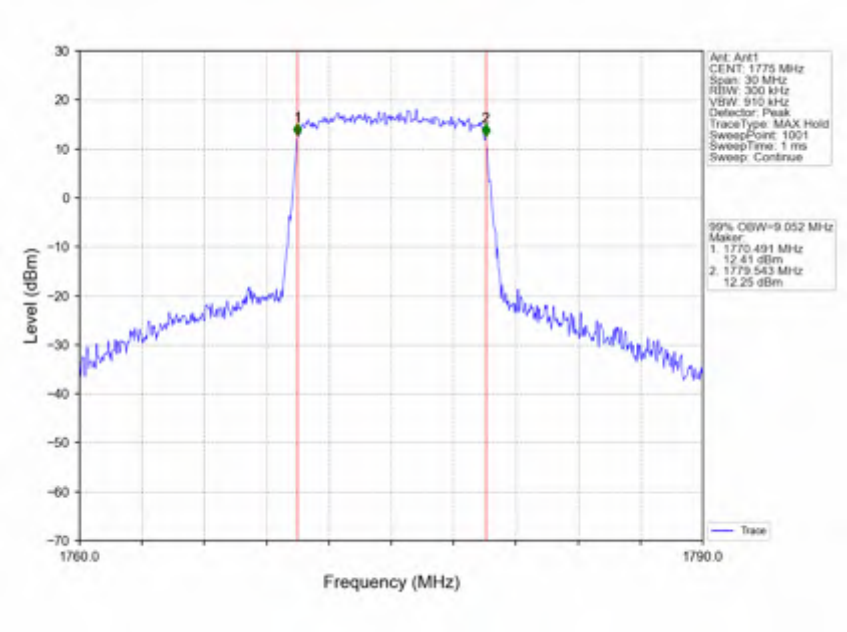
Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



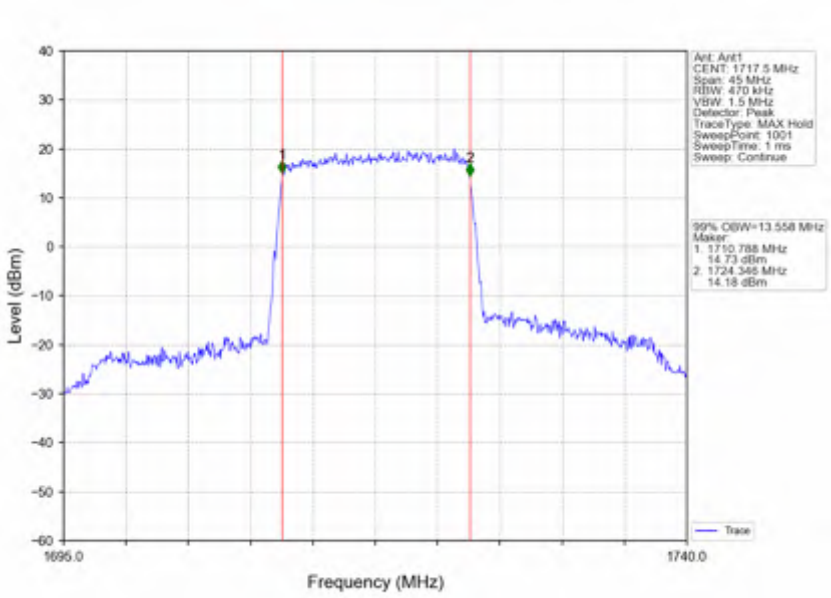
Band66_10MHz_64QAM_MCH_1745MHz_RB_50_0_NTNV



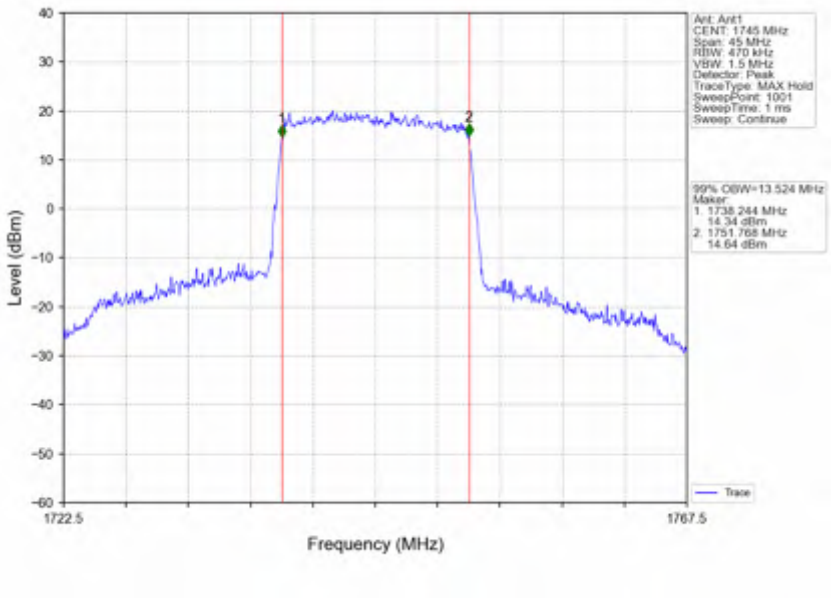
Band66_10MHz_64QAM_HCH_1775MHz_RB_50_0_NTNV



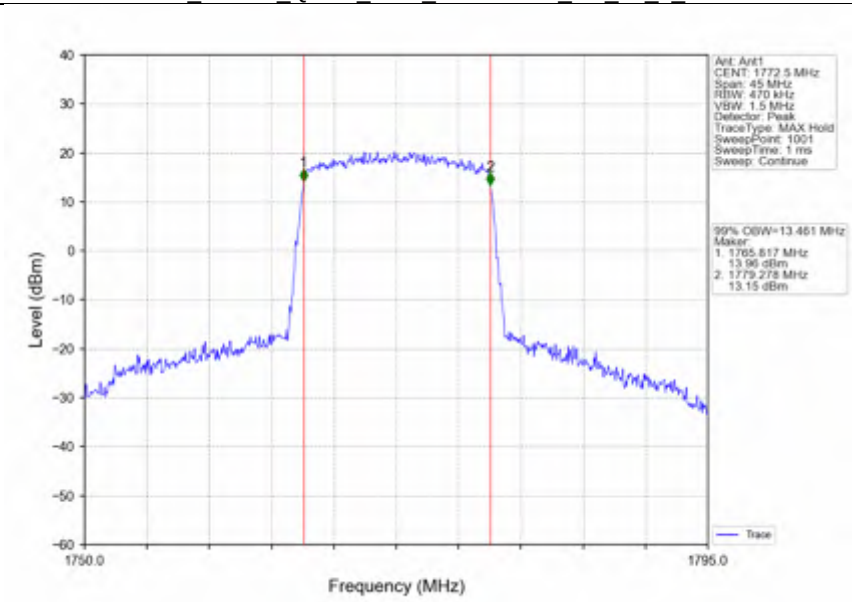
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



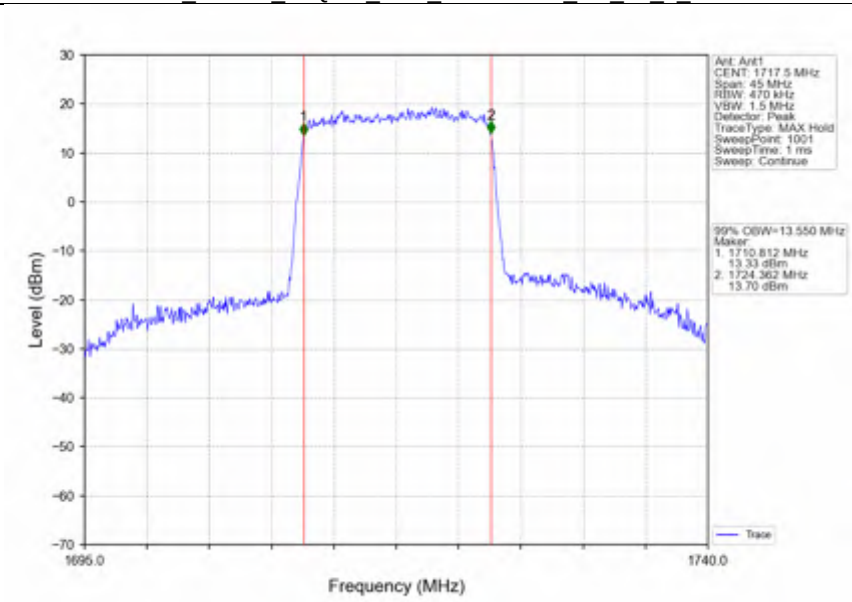
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



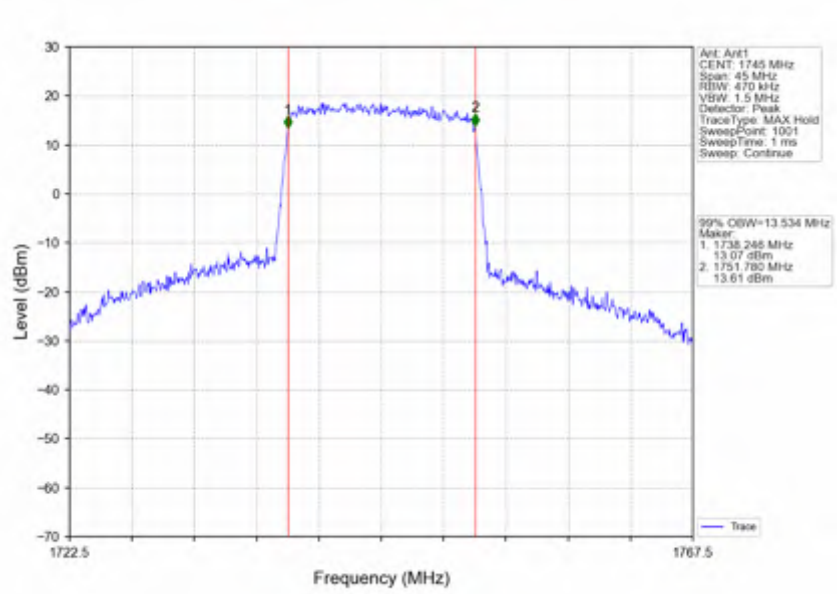
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



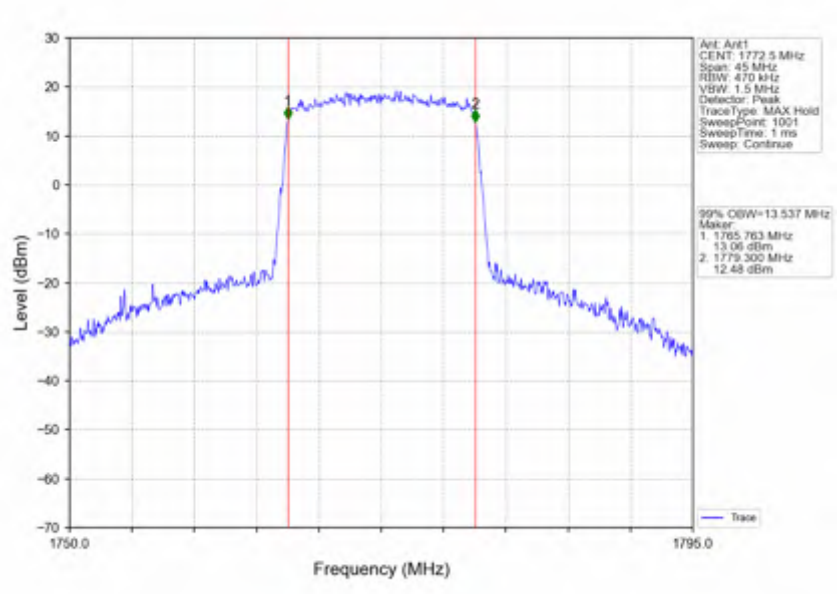
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



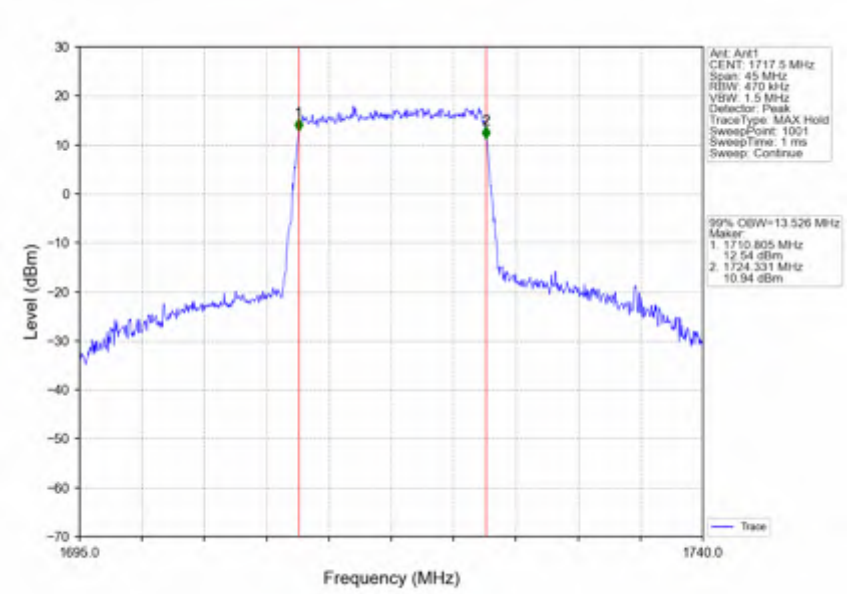
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



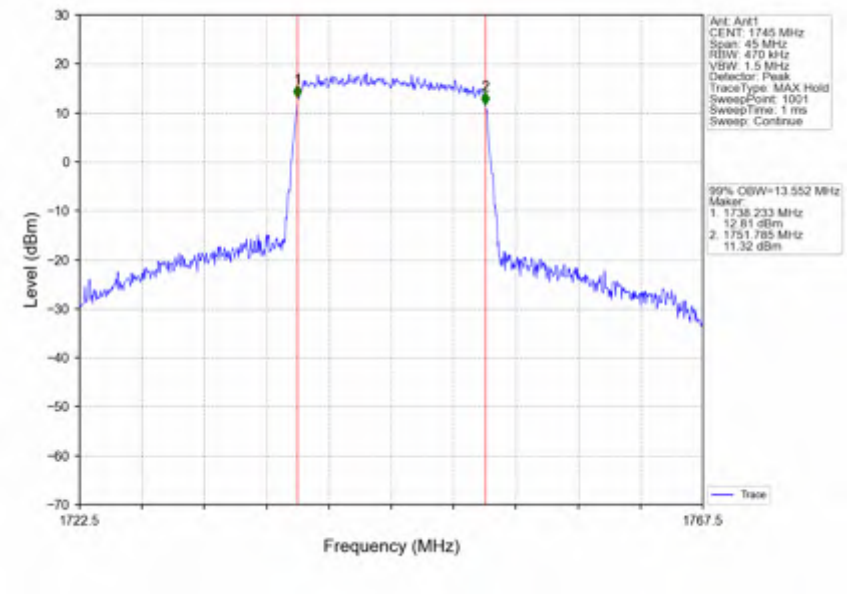
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



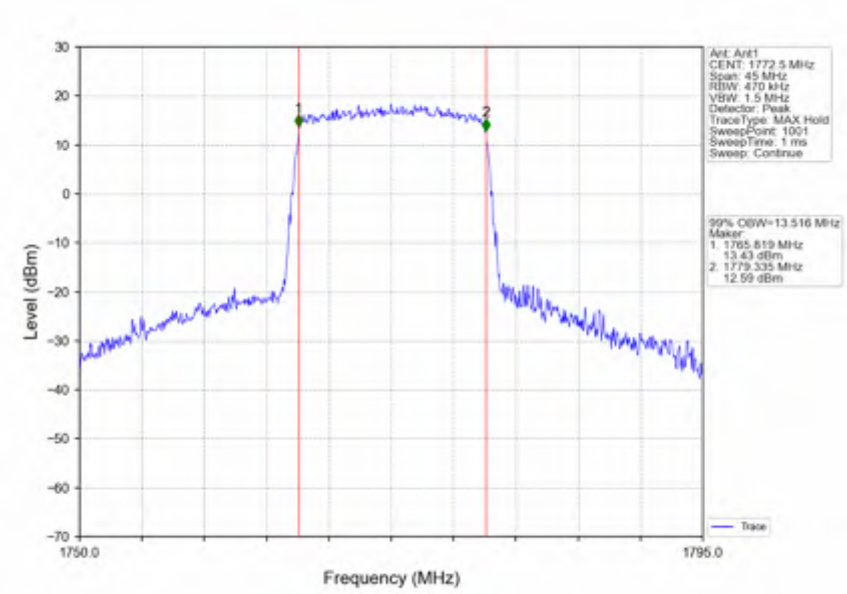
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



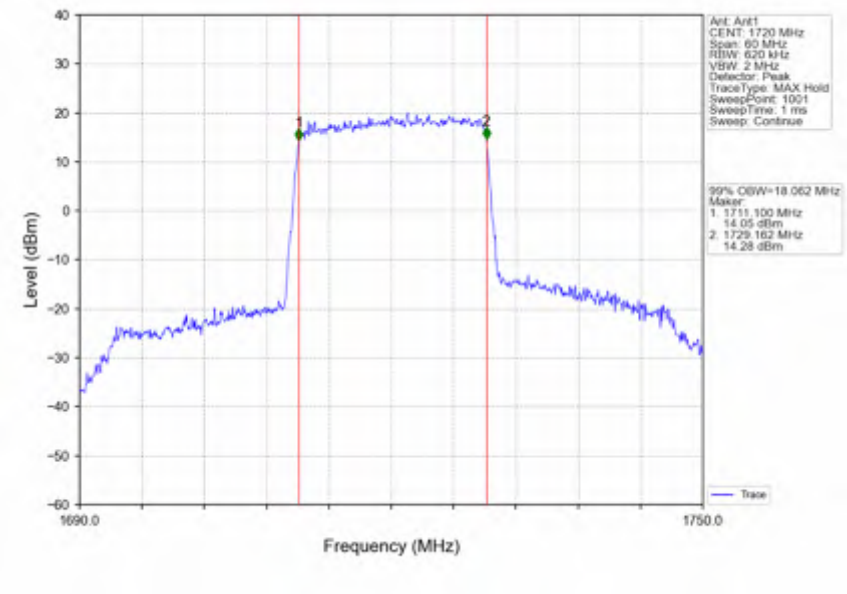
Band66_15MHz_64QAM_MCH_1745MHz_RB_75_0_NTNV



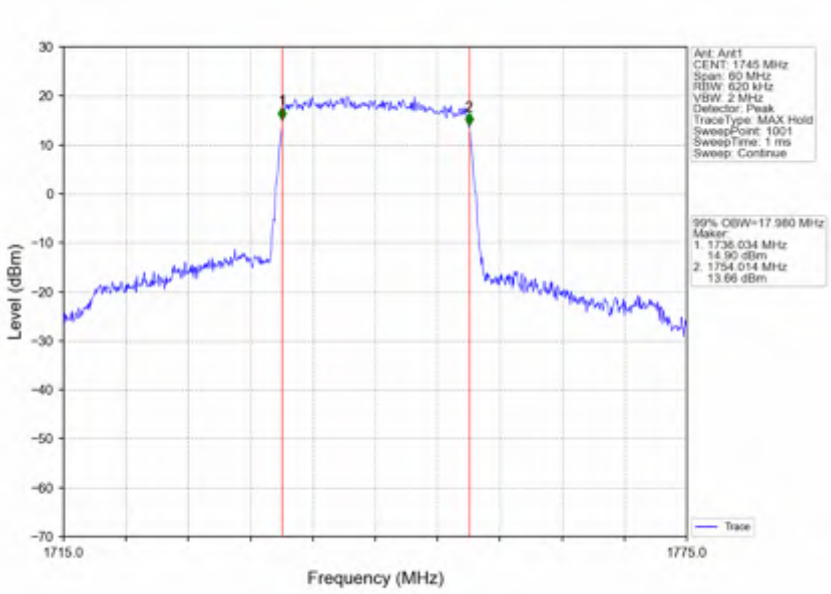
Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV



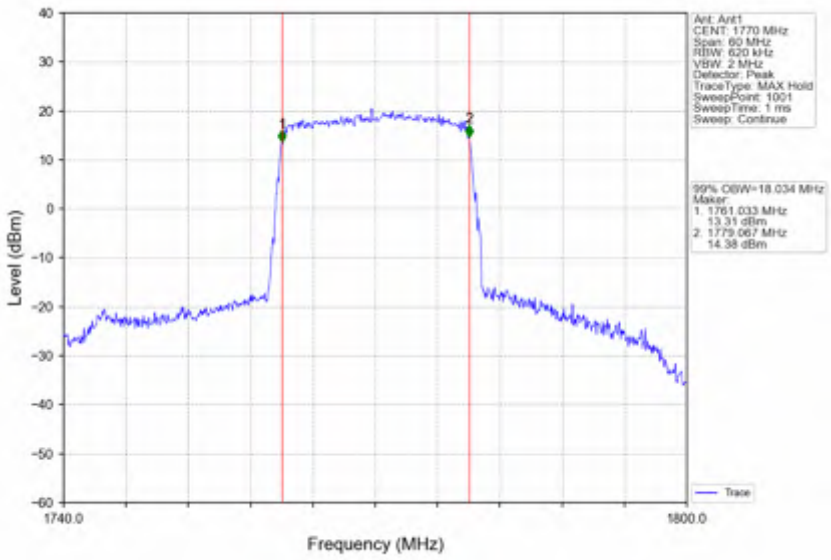
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



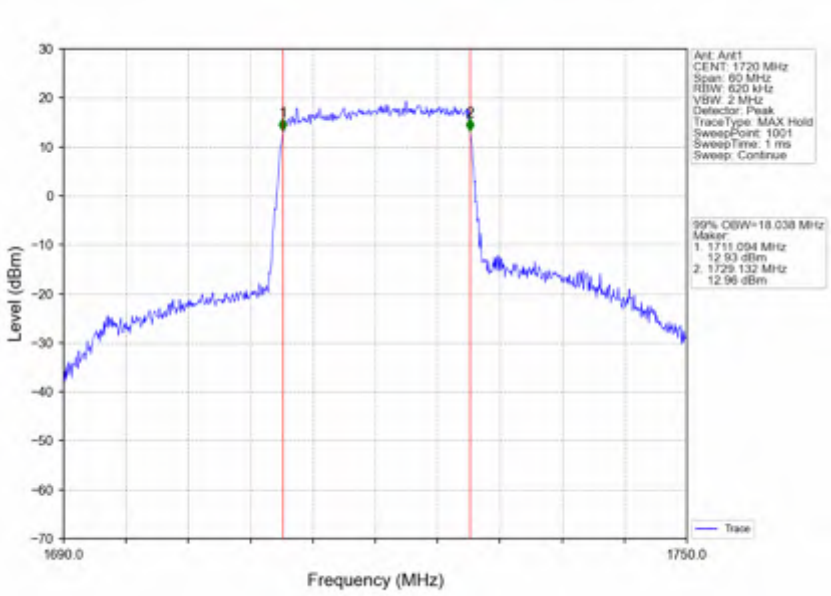
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



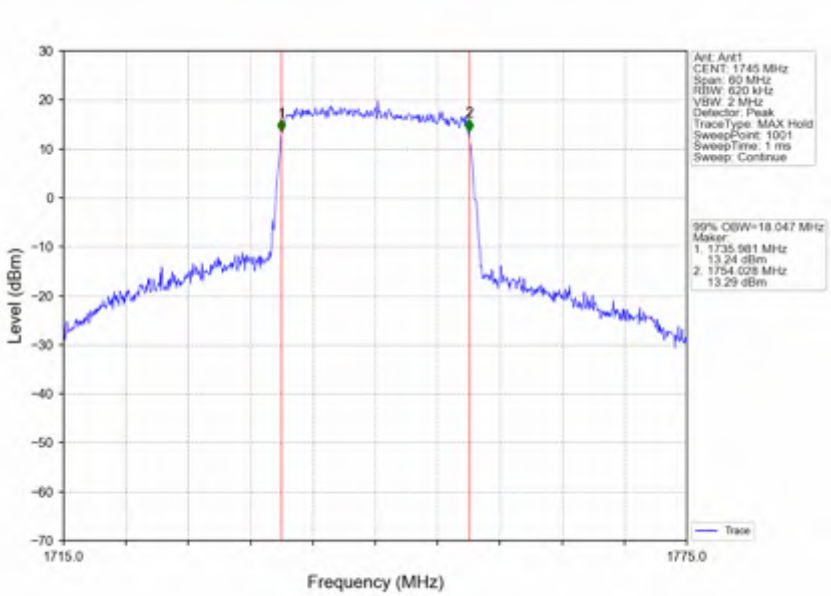
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



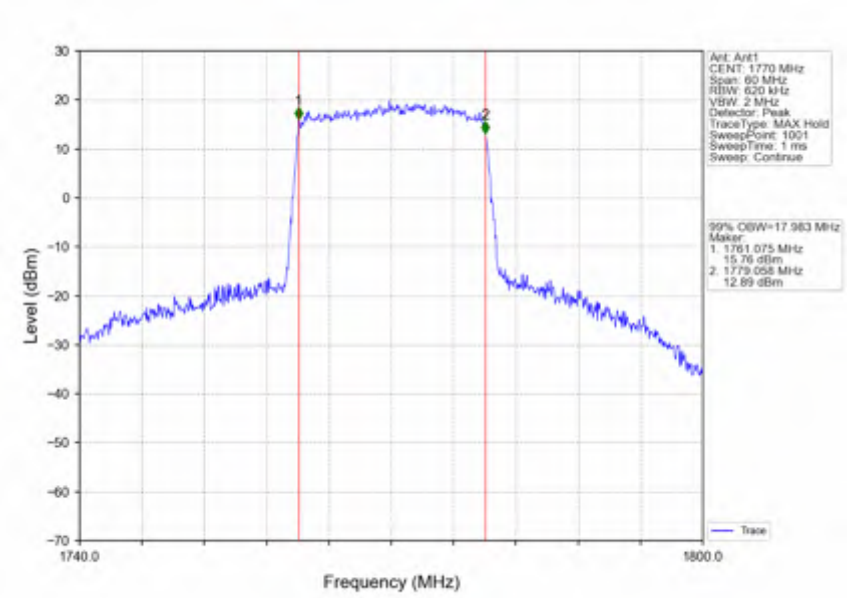
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



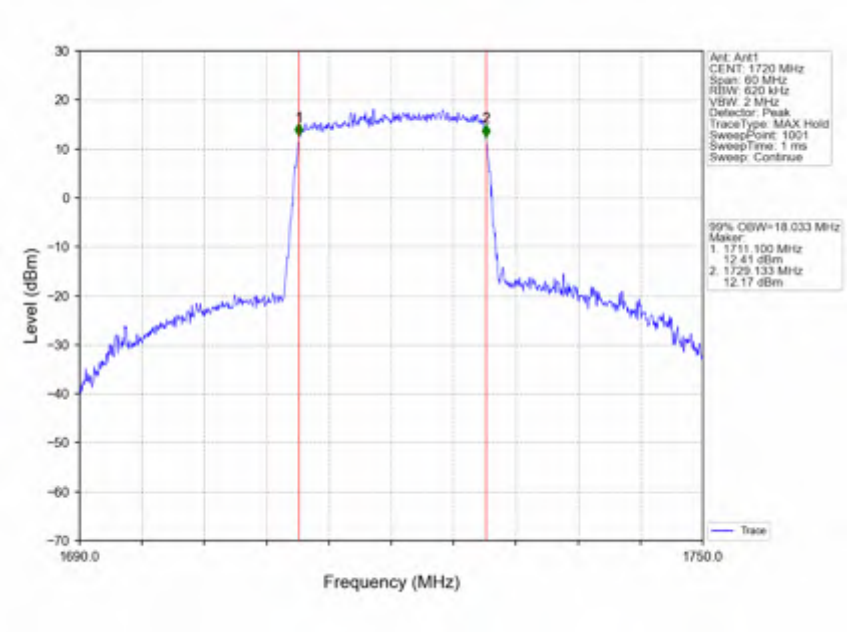
Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



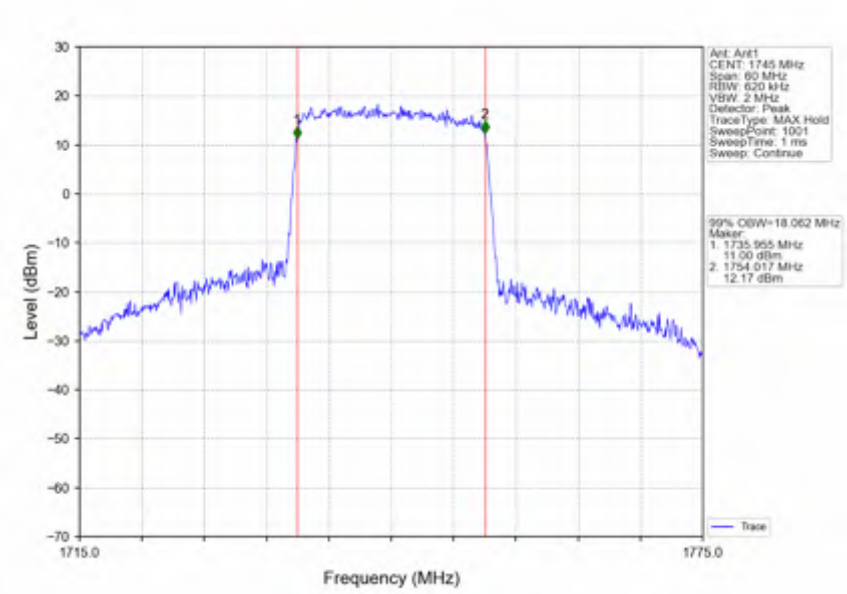
Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



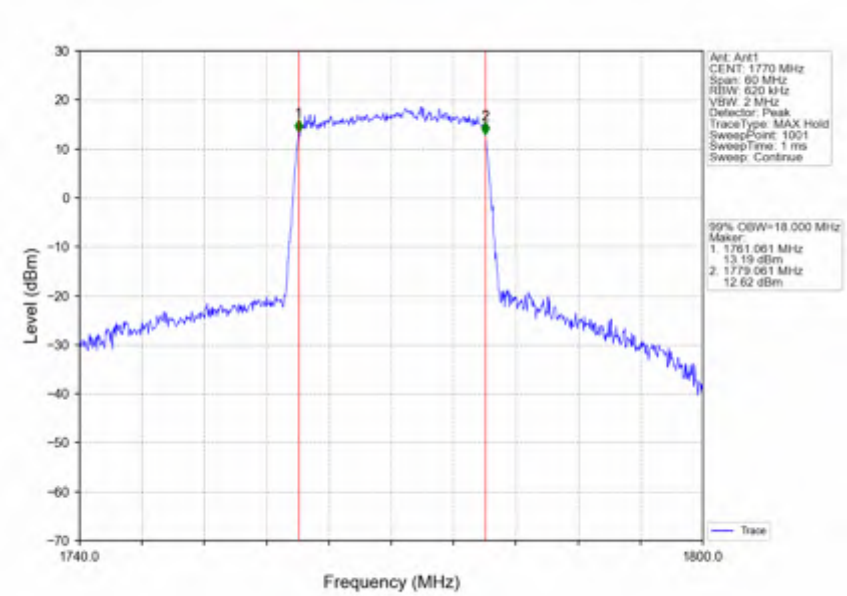
Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV



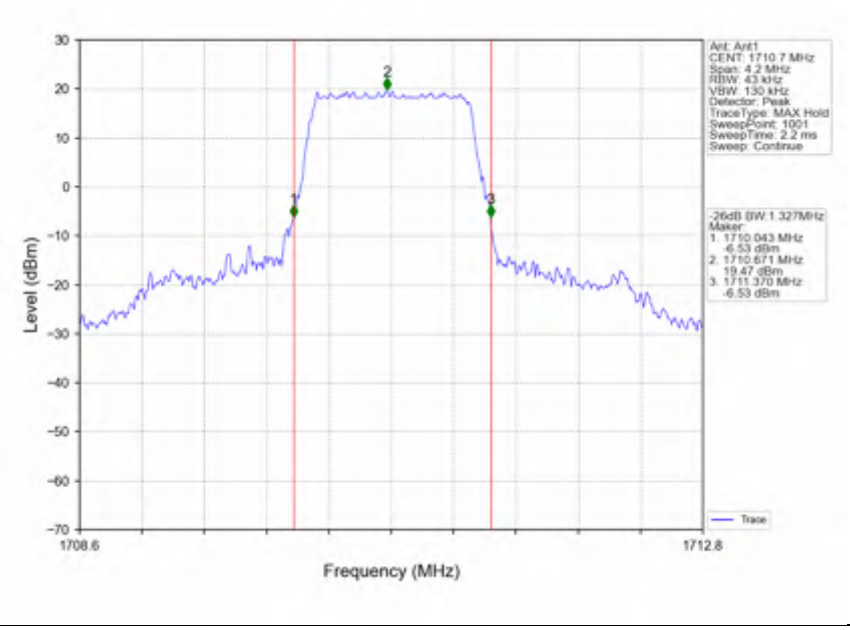
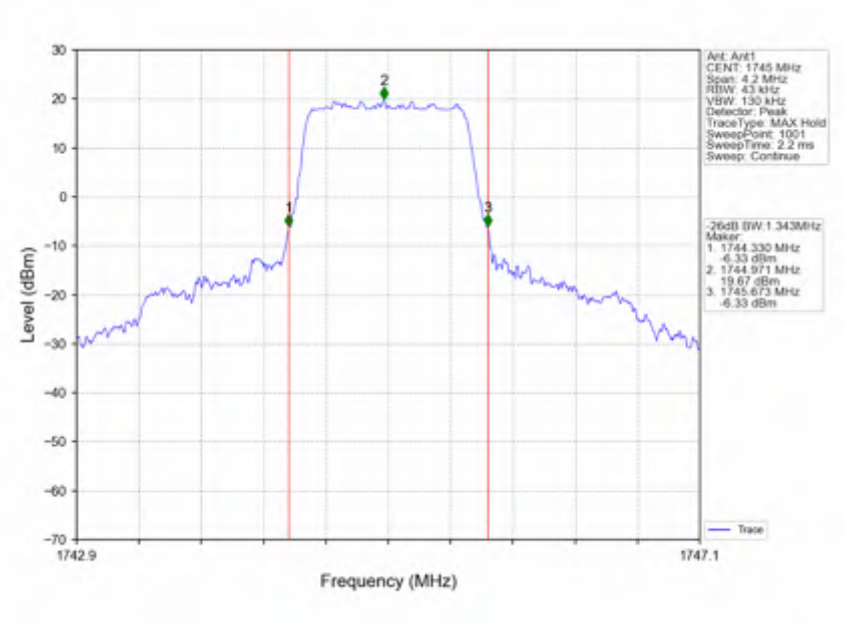
4. Band66_XDB

4.1.1 Test Result

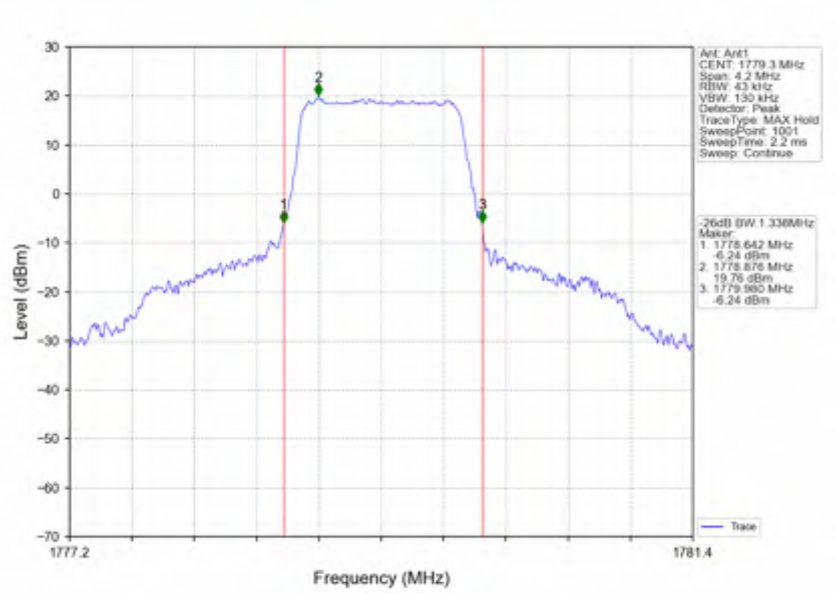
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.327	/	Pass
		1745	6	0	1.343	/	Pass
		1779.3	6	0	1.338	/	Pass
	16QAM	1710.7	6	0	1.320	/	Pass
		1745	6	0	1.331	/	Pass
		1779.3	6	0	1.343	/	Pass
	64QAM	1710.7	6	0	1.338	/	Pass
		1745	6	0	1.316	/	Pass
		1779.3	6	0	1.327	/	Pass
3	QPSK	1711.5	15	0	3.074	/	Pass
		1745	15	0	3.066	/	Pass
		1778.5	15	0	3.045	/	Pass
	16QAM	1711.5	15	0	3.027	/	Pass
		1745	15	0	3.060	/	Pass
		1778.5	15	0	3.071	/	Pass
	64QAM	1711.5	15	0	3.035	/	Pass
		1745	15	0	3.029	/	Pass
		1778.5	15	0	3.046	/	Pass
5	QPSK	1712.5	25	0	5.059	/	Pass
		1745	25	0	5.089	/	Pass
		1777.5	25	0	5.080	/	Pass
	16QAM	1712.5	25	0	5.048	/	Pass
		1745	25	0	5.059	/	Pass
		1777.5	25	0	5.087	/	Pass
	64QAM	1712.5	25	0	5.044	/	Pass
		1745	25	0	5.063	/	Pass
		1777.5	25	0	5.087	/	Pass
10	QPSK	1715	50	0	10.097	/	Pass
		1745	50	0	9.990	/	Pass
		1775	50	0	9.991	/	Pass
	16QAM	1715	50	0	9.954	/	Pass
		1745	50	0	10.032	/	Pass
		1775	50	0	10.015	/	Pass
	64QAM	1715	50	0	10.011	/	Pass
		1745	50	0	10.042	/	Pass
		1775	50	0	10.015	/	Pass
15	QPSK	1717.5	75	0	14.889	/	Pass
		1745	75	0	14.867	/	Pass
		1772.5	75	0	14.845	/	Pass
	16QAM	1717.5	75	0	14.918	/	Pass
		1745	75	0	14.945	/	Pass
		1772.5	75	0	14.847	/	Pass
	64QAM	1717.5	75	0	14.952	/	Pass
		1745	75	0	14.935	/	Pass
		1772.5	75	0	14.874	/	Pass
20	QPSK	1720	100	0	19.807	/	Pass
		1745	100	0	19.674	/	Pass
		1770	100	0	19.831	/	Pass
	16QAM	1720	100	0	19.805	/	Pass
		1745	100	0	19.822	/	Pass

		1770	100	0	19.702	/	Pass
	64QAM	1720	100	0	19.839	/	Pass
		1745	100	0	19.615	/	Pass
		1770	100	0	19.610	/	Pass

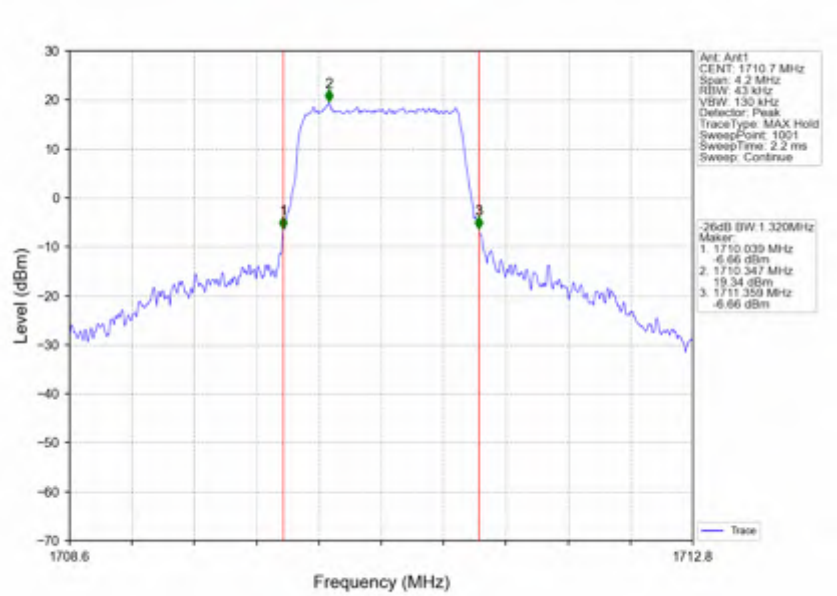
4.1.2 Test Graph

Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV


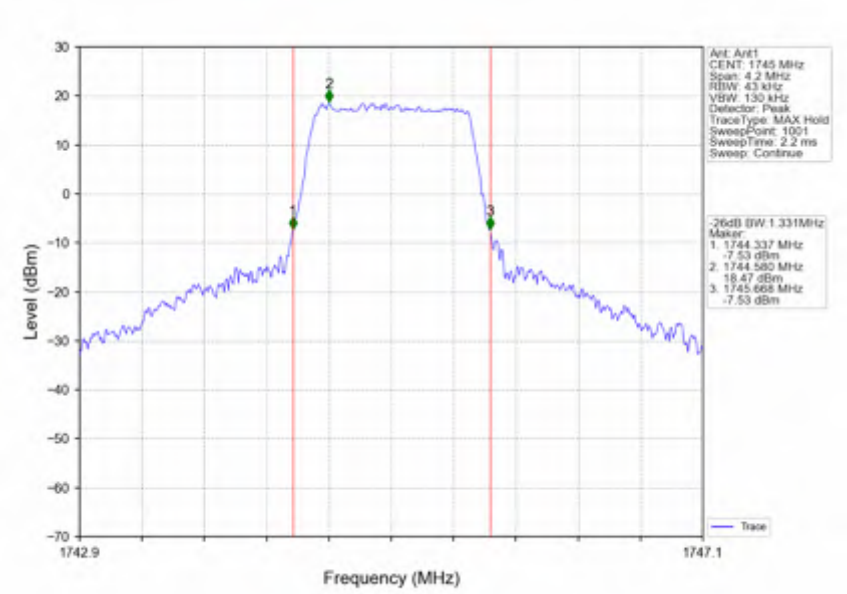
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



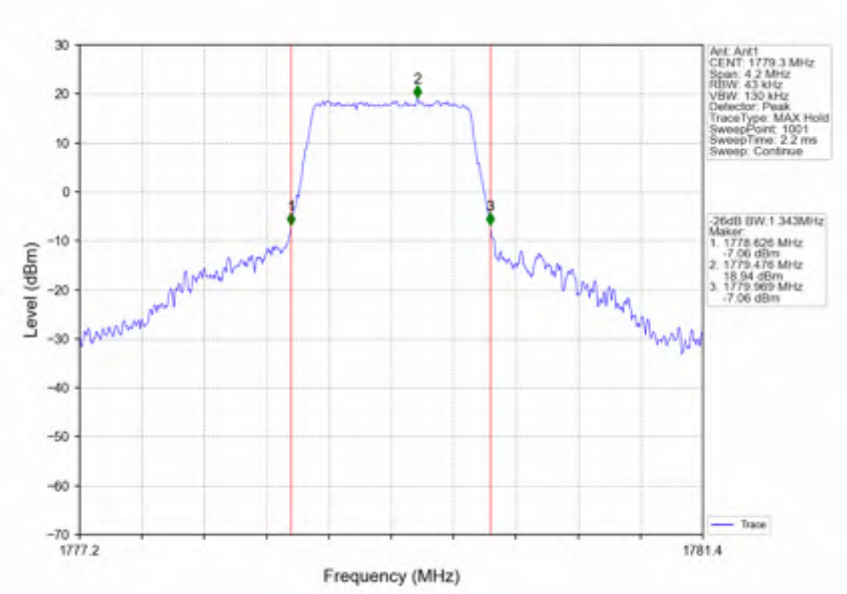
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



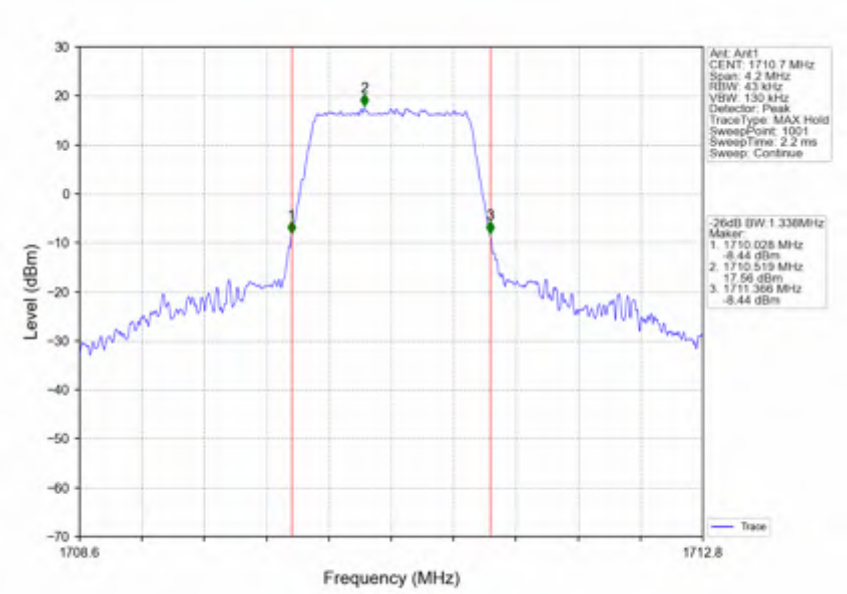
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



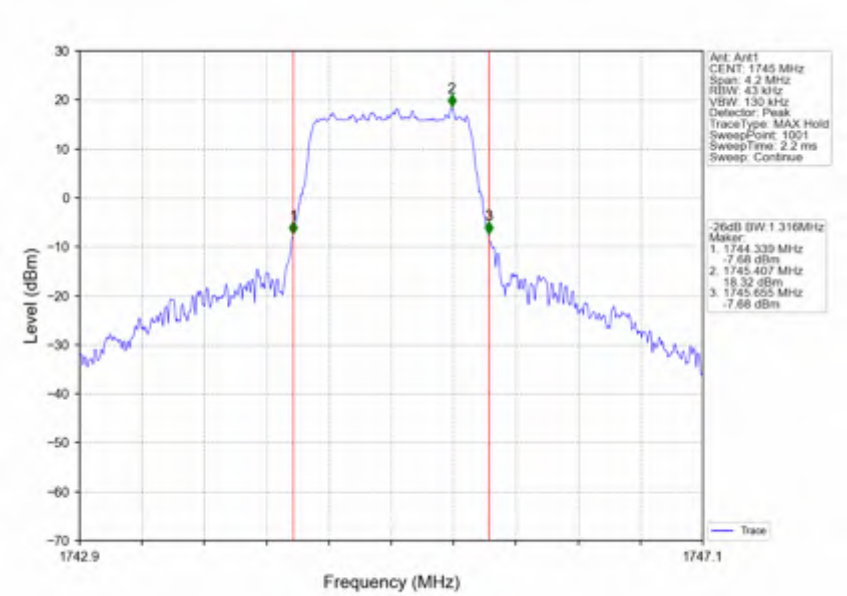
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



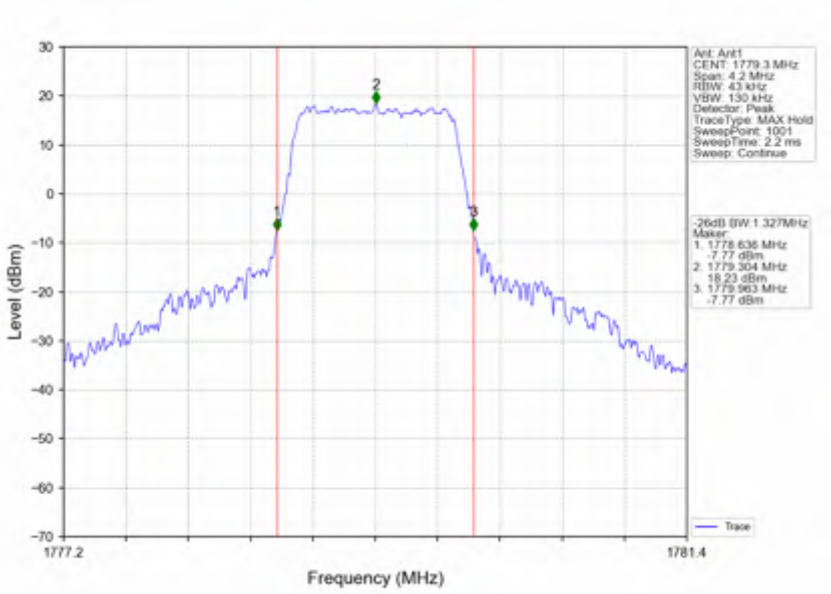
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



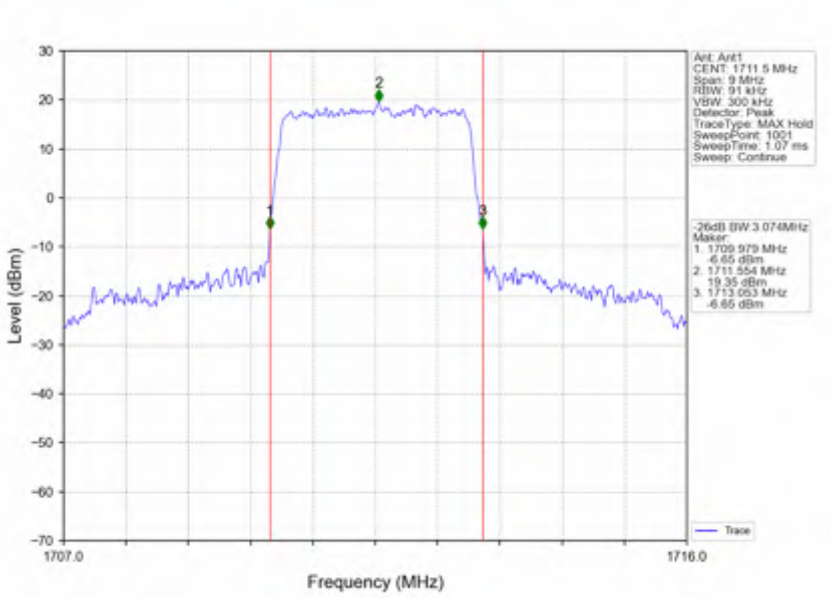
Band66_1.4MHz_64QAM_MCH_1745MHz_RB_6_0_NTNV



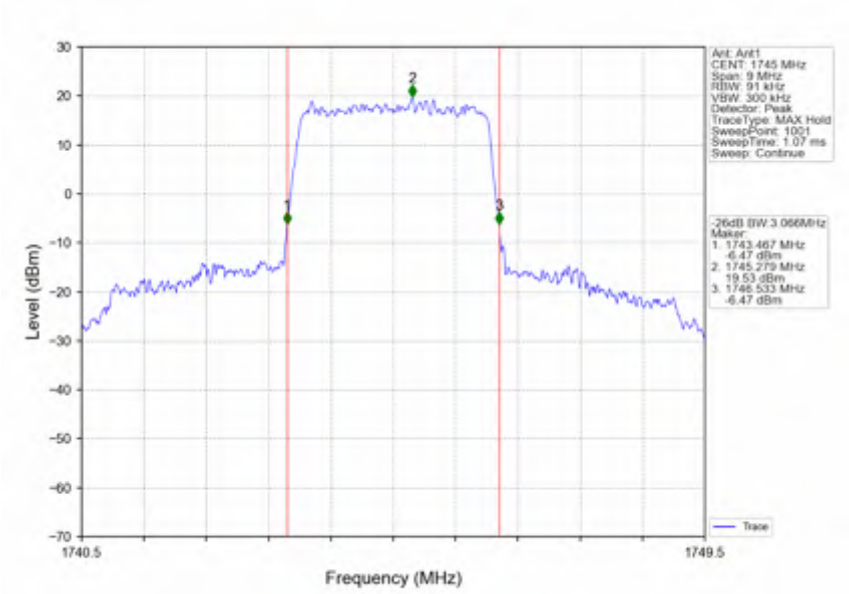
Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV



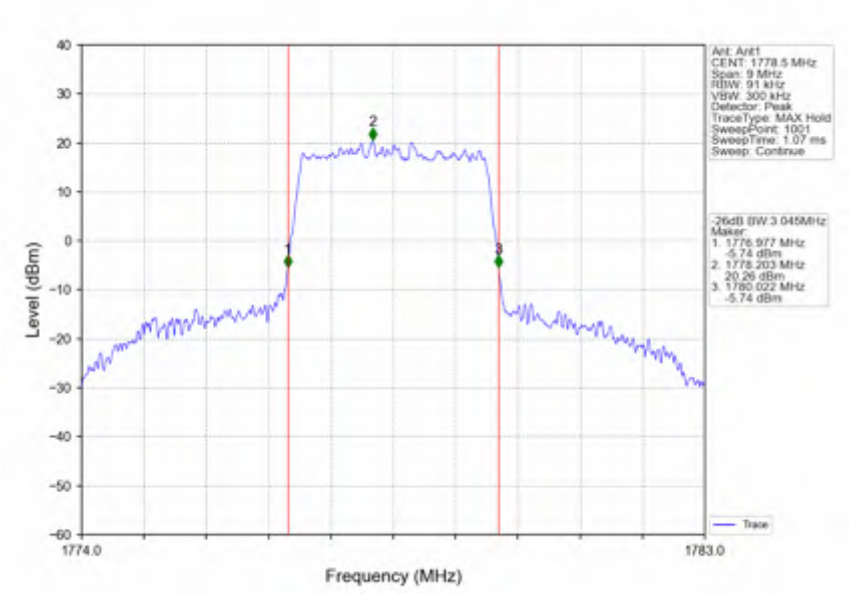
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



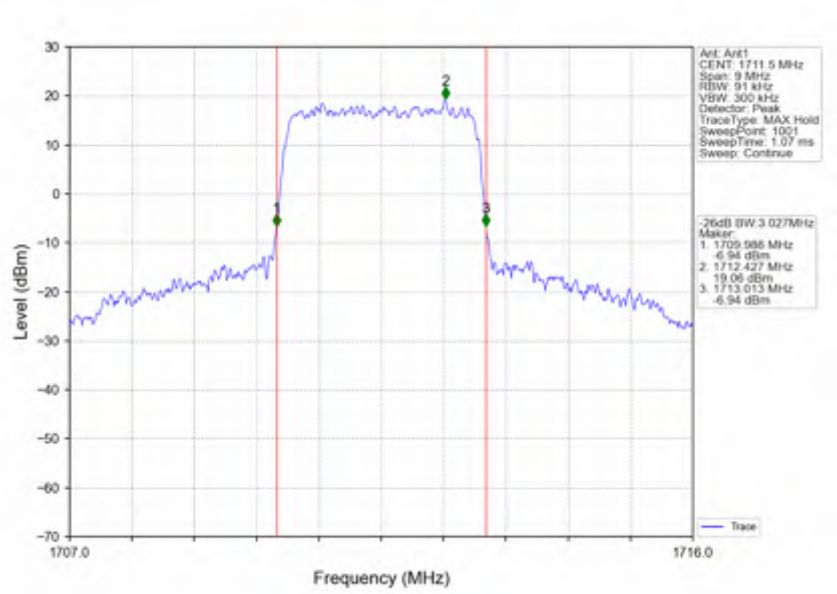
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



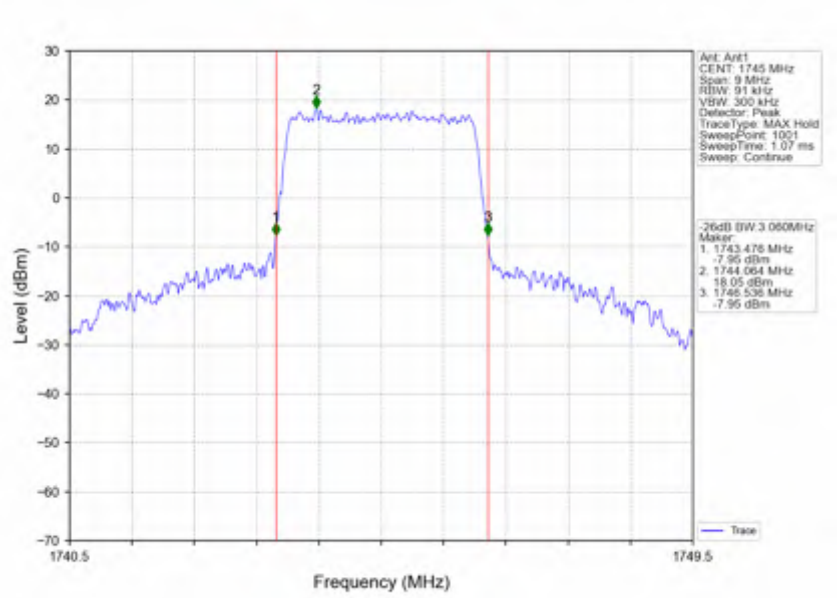
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



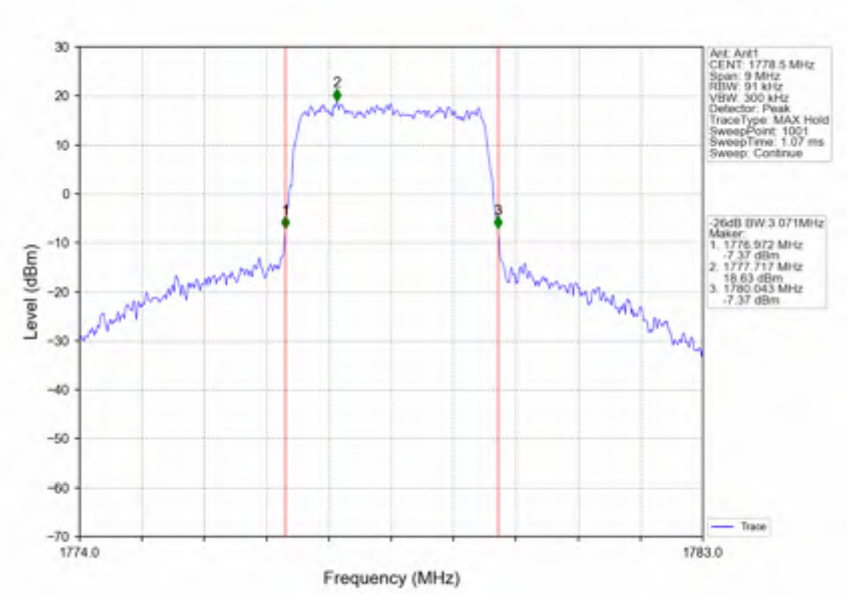
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



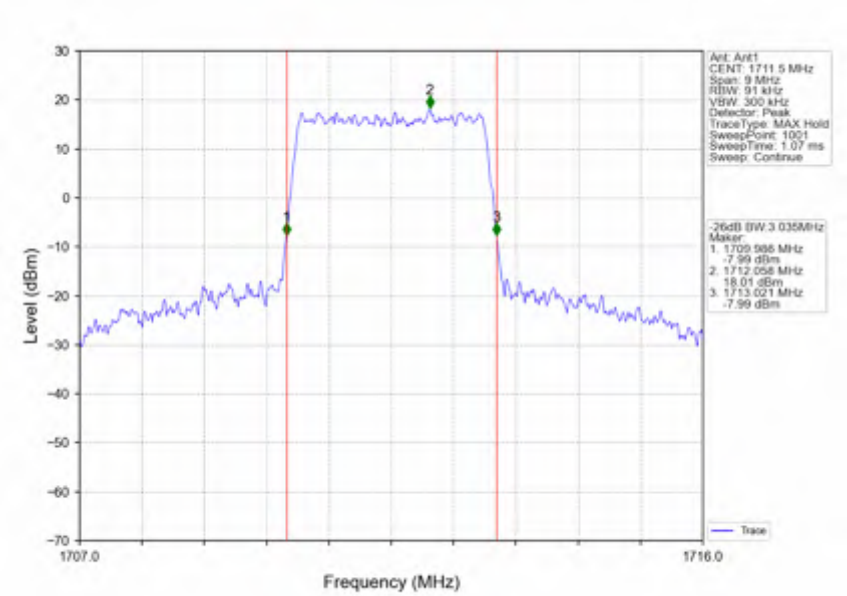
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



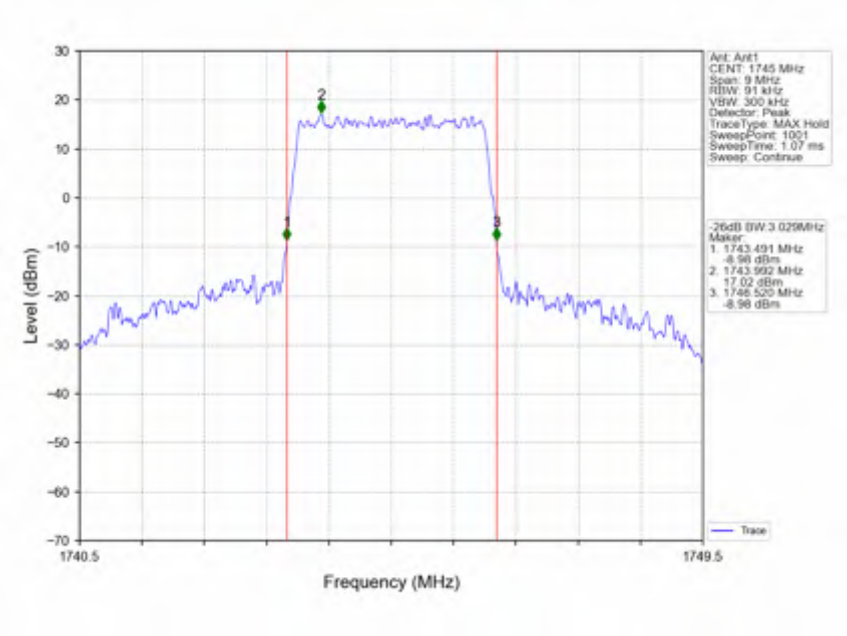
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



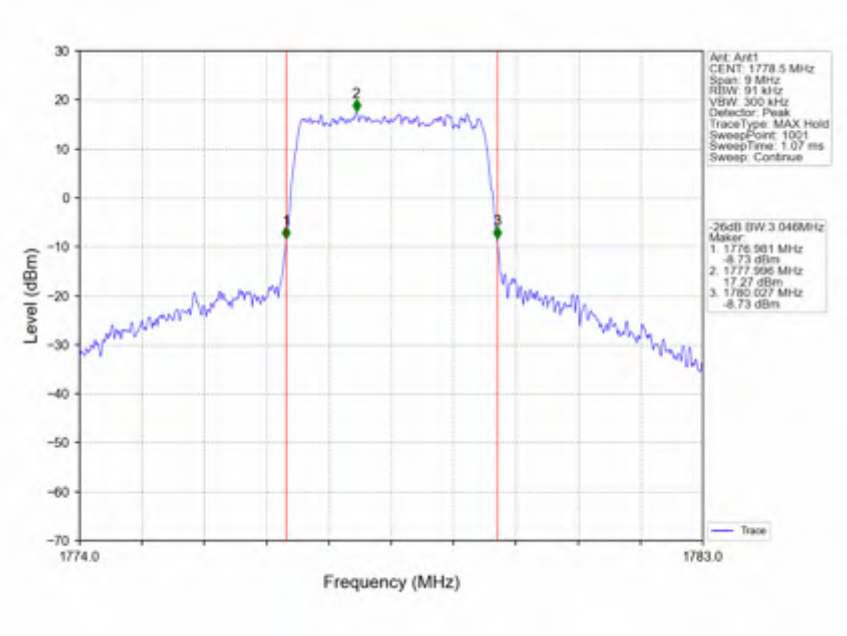
Band66_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



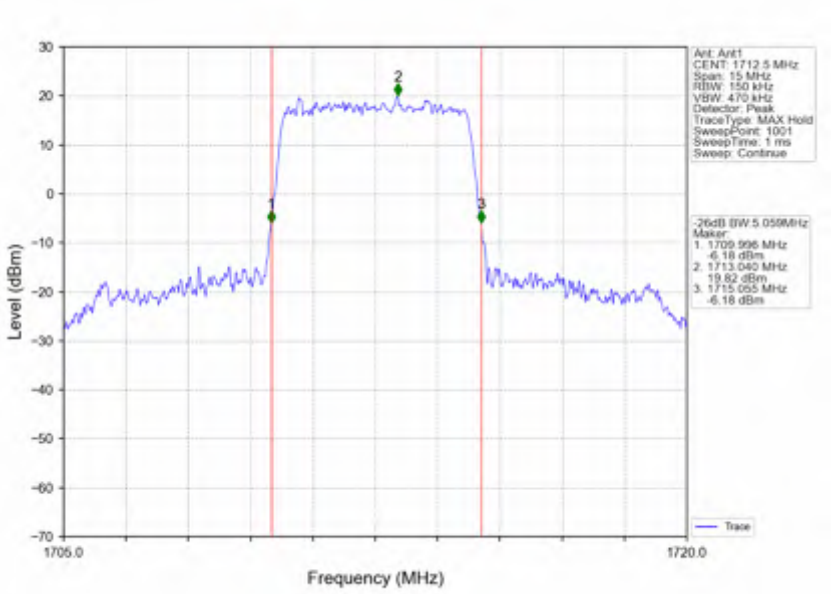
Band66_3MHz_64QAM_MCH_1745MHz_RB_15_0_NTNV



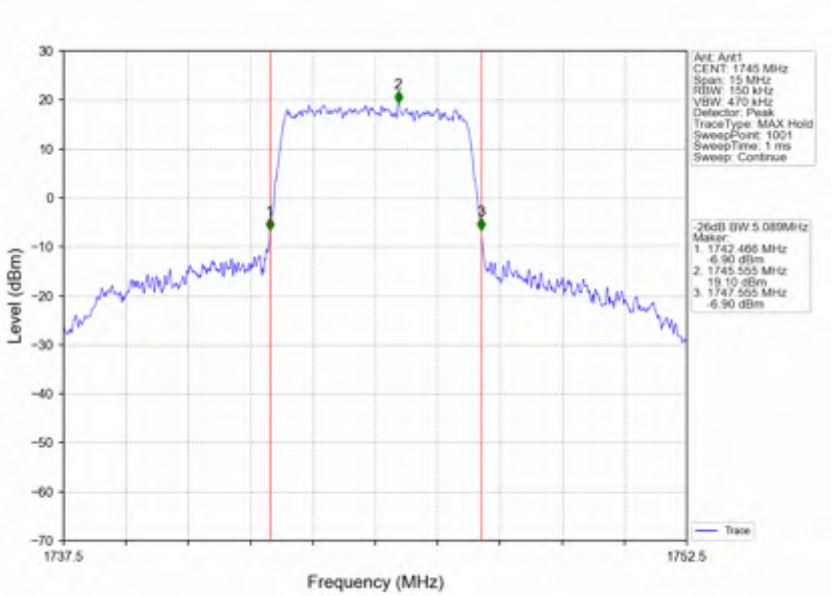
Band66_3MHz_64QAM_HCH_1778.5MHz_RB_15_0_NTNV



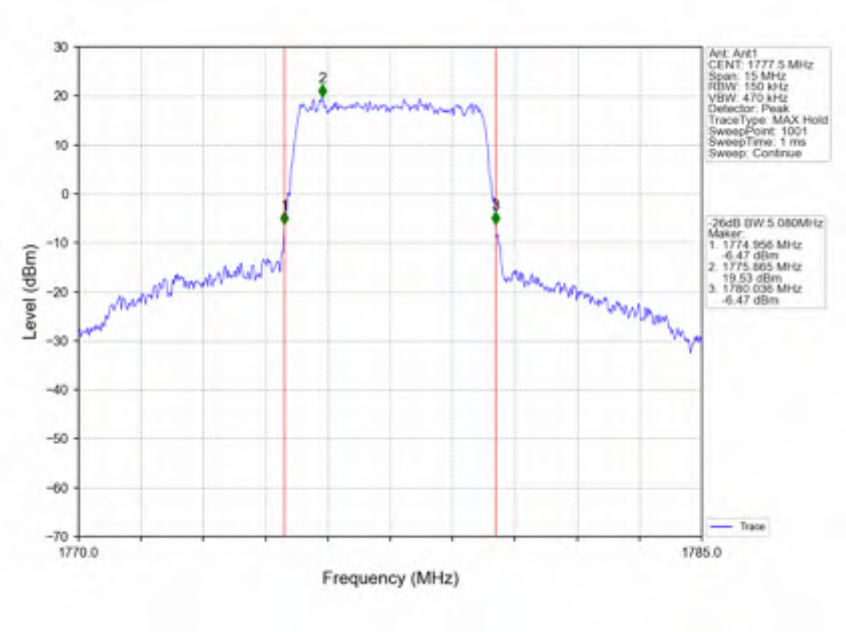
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



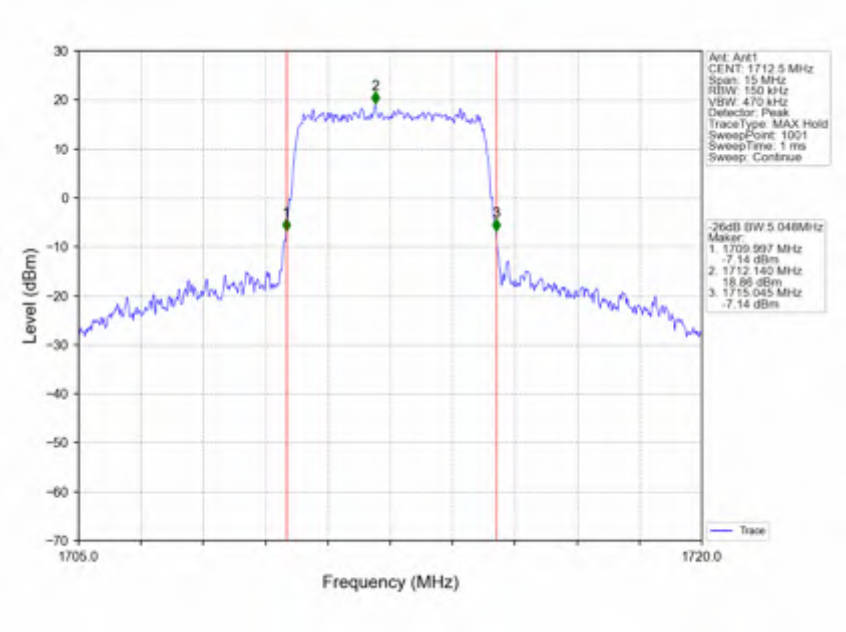
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



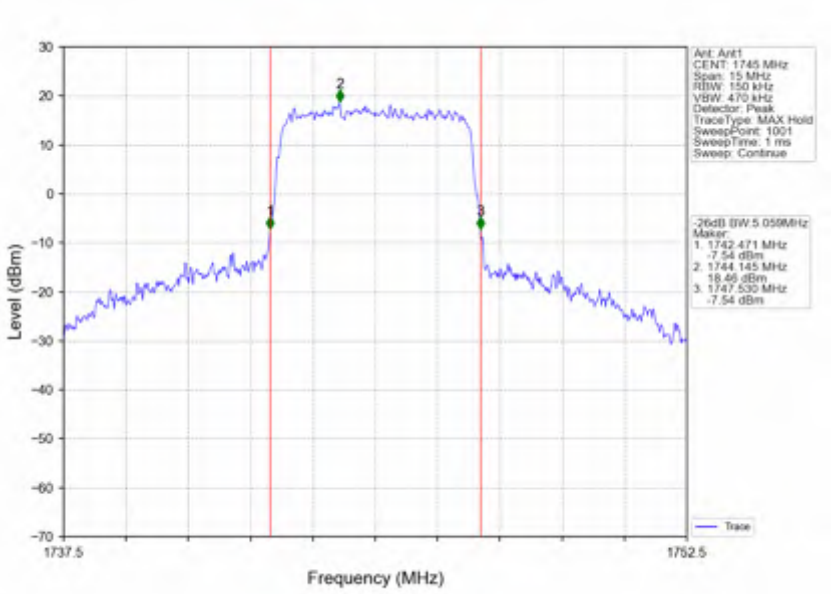
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



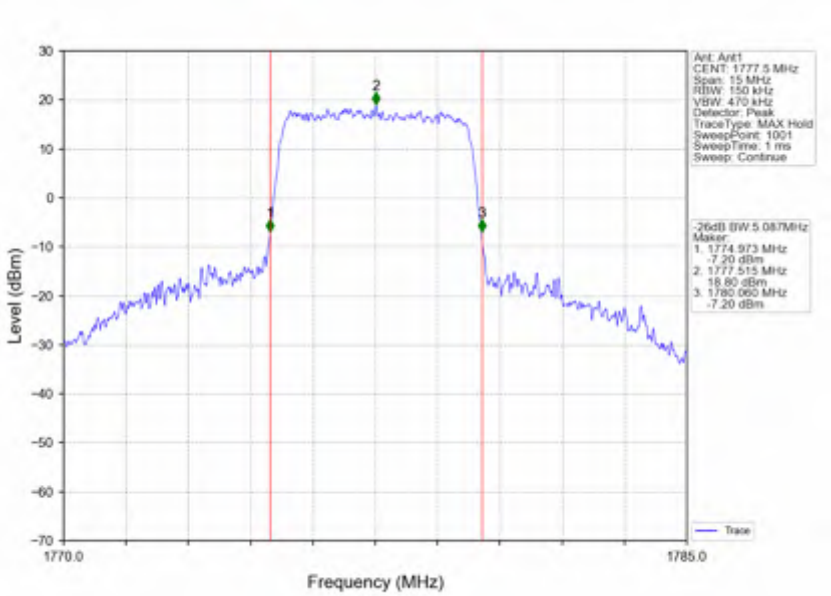
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



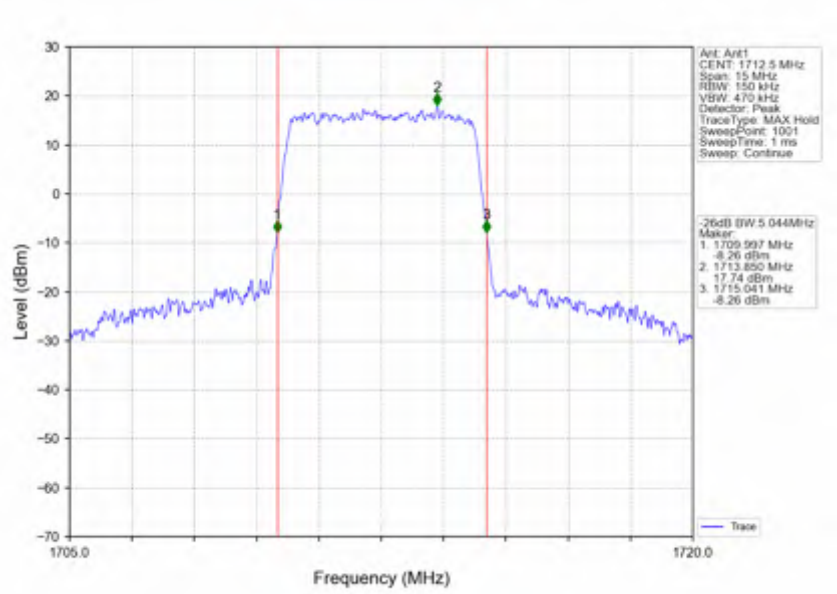
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



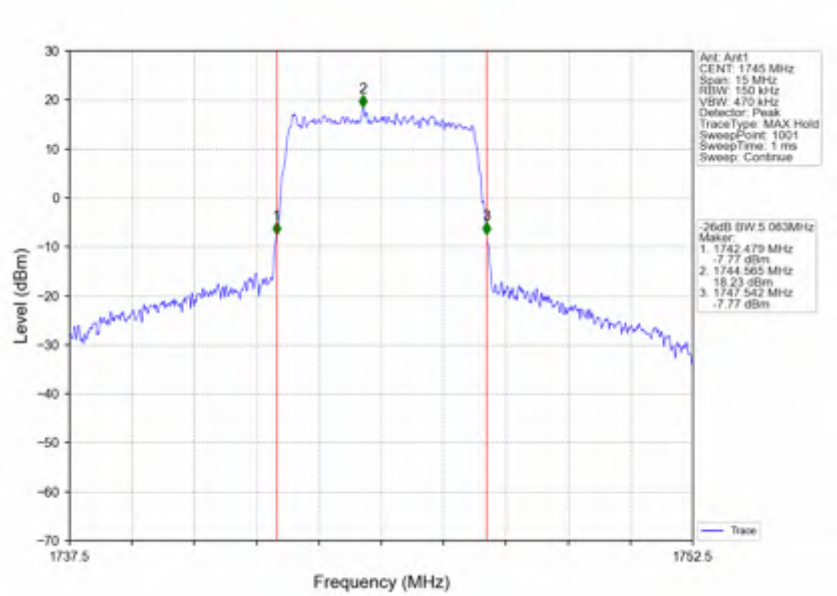
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



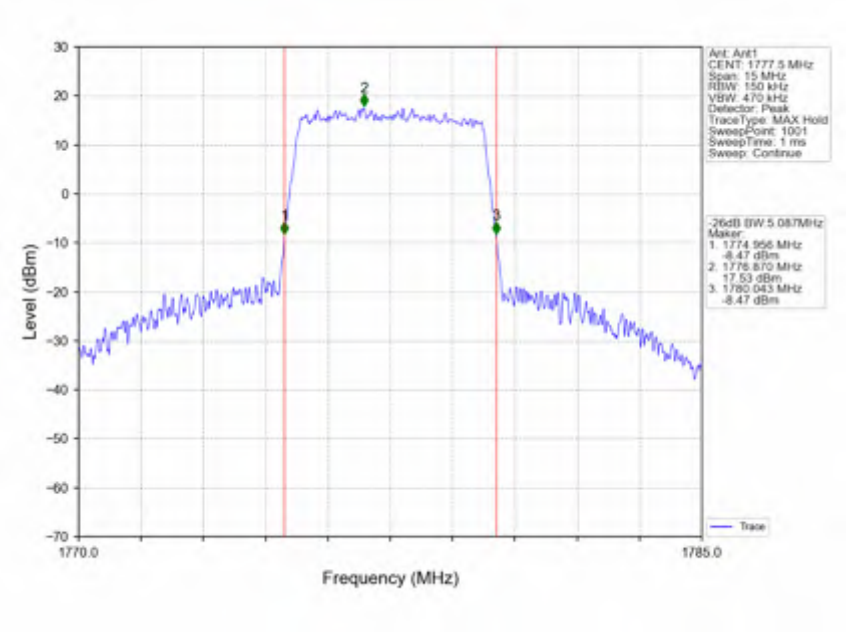
Band66_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



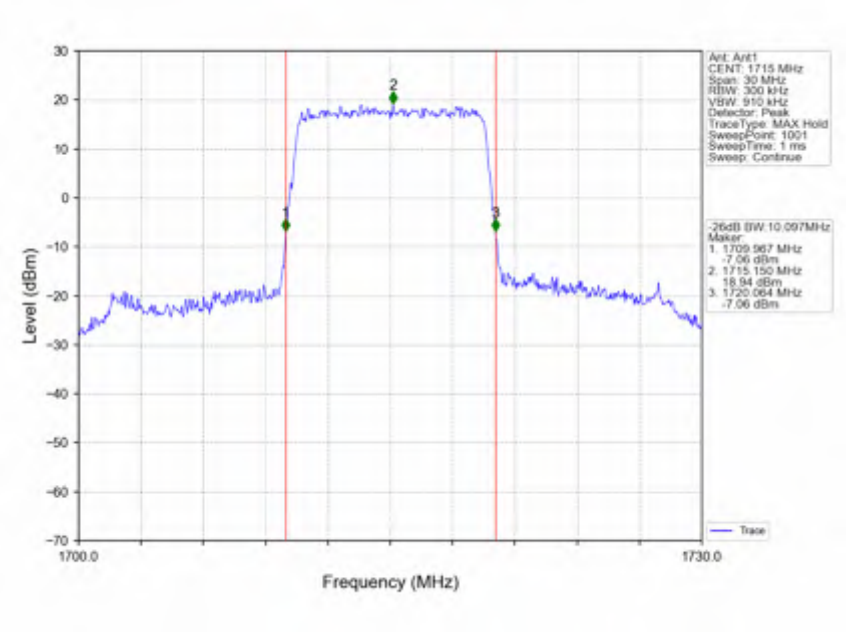
Band66_5MHz_64QAM_MCH_1745MHz_RB_25_0_NTNV



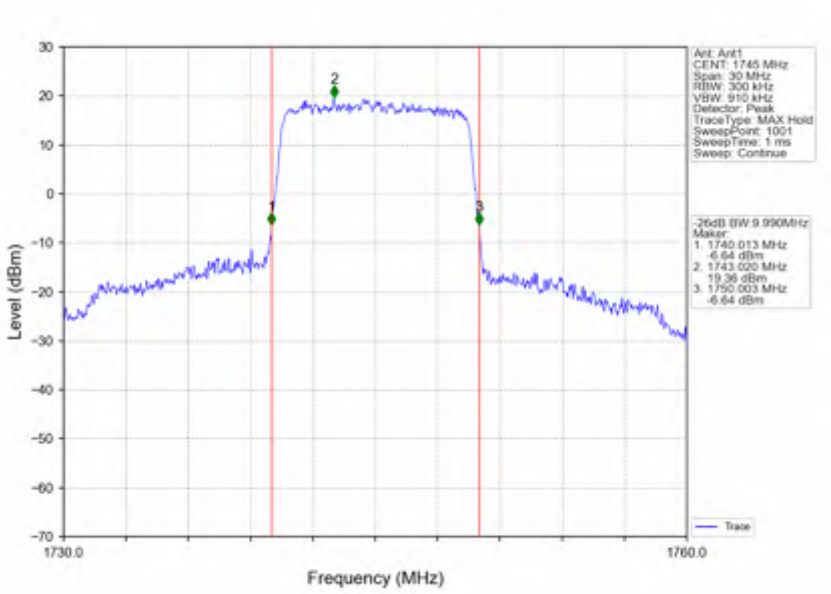
Band66_5MHz_64QAM_HCH_1777.5MHz_RB_25_0_NTNV



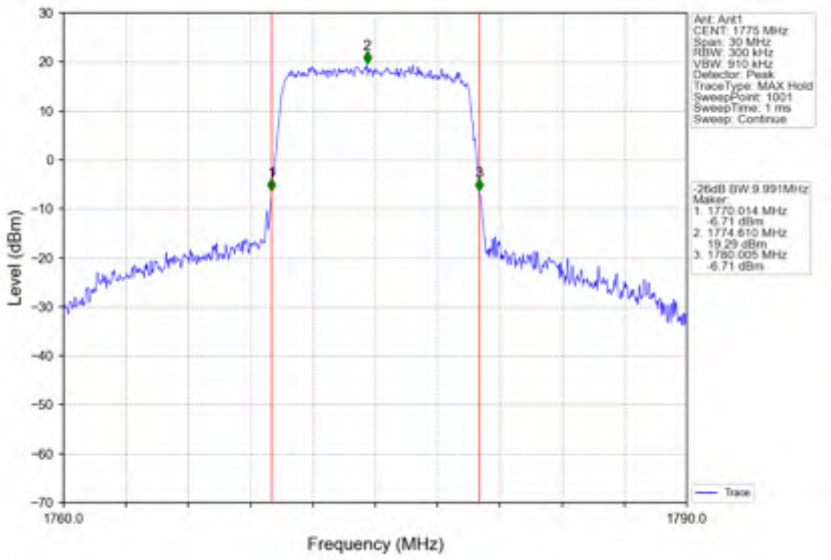
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



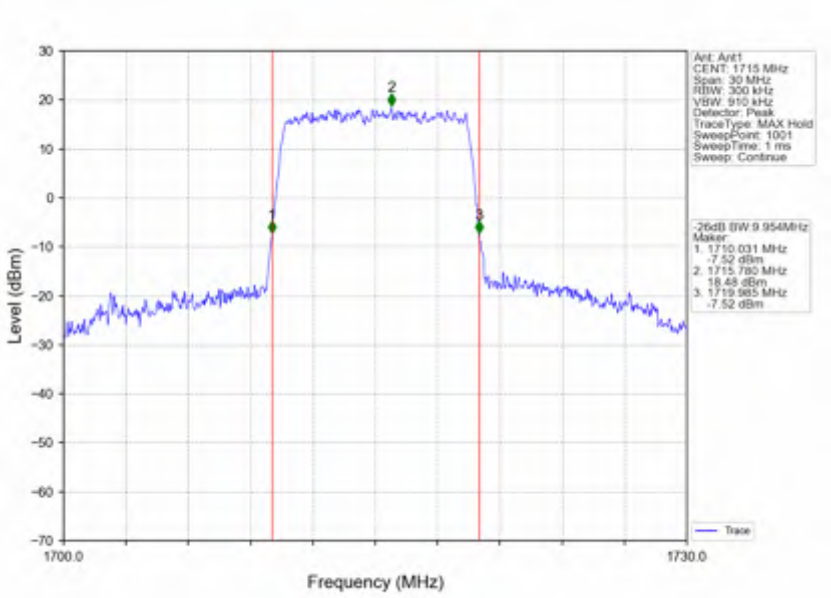
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



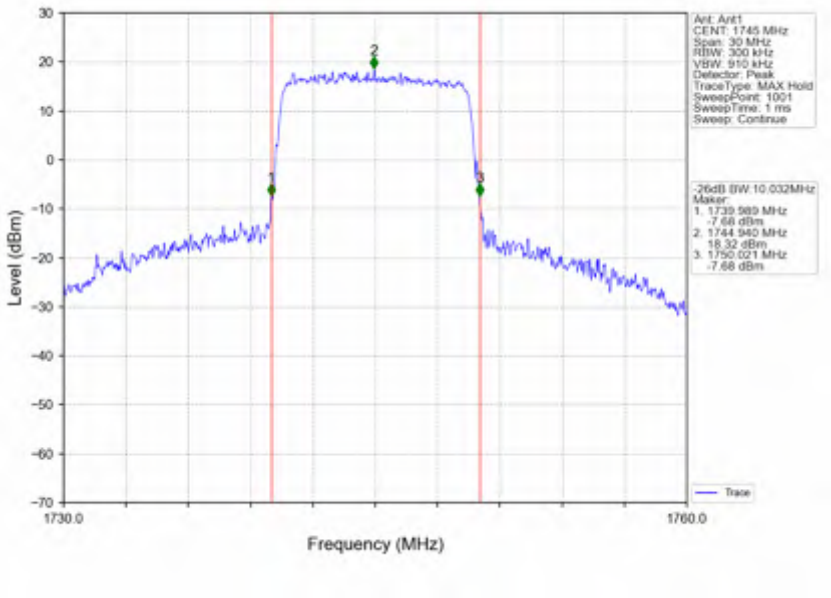
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



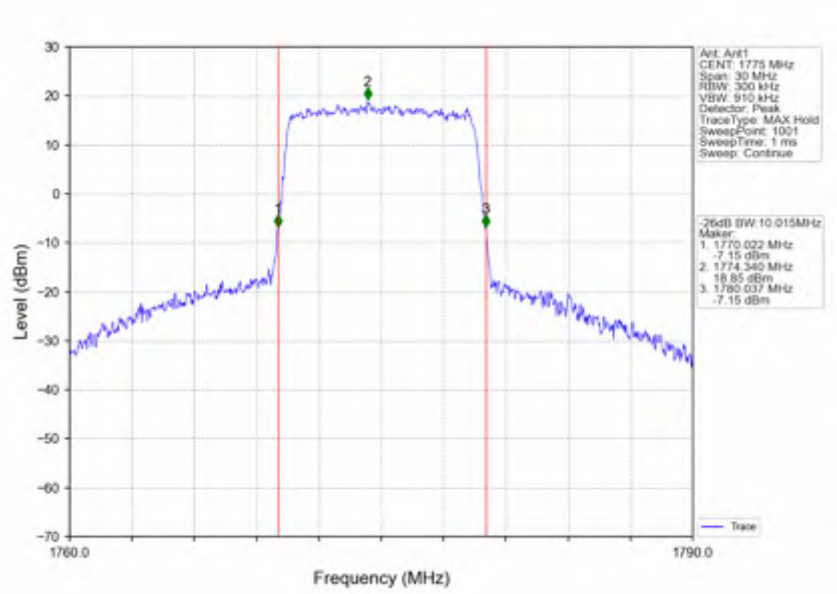
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



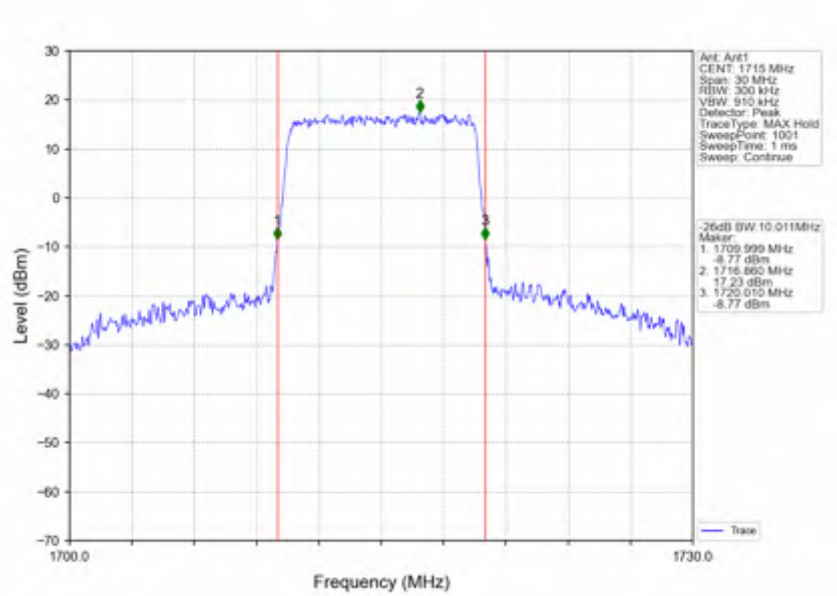
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



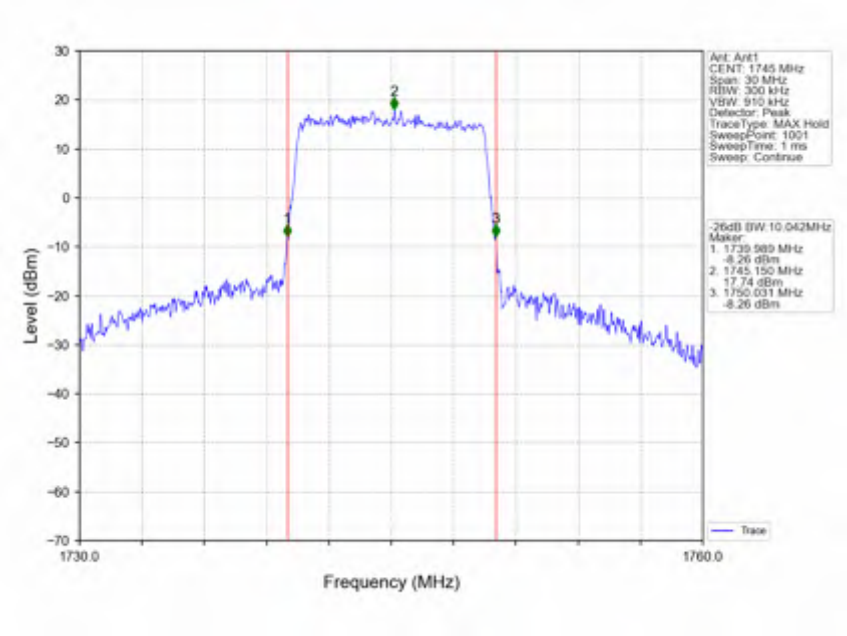
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



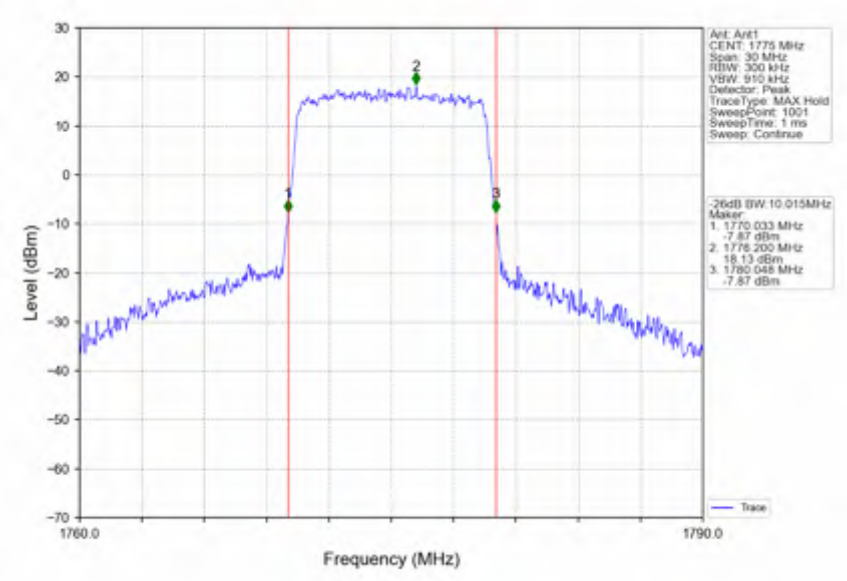
Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



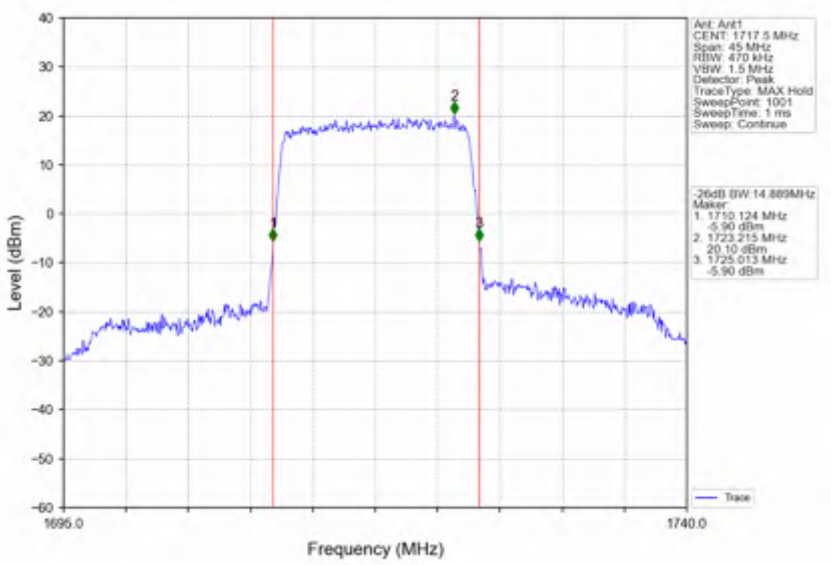
Band66_10MHz_64QAM_MCH_1745MHz_RB_50_0_NTNV



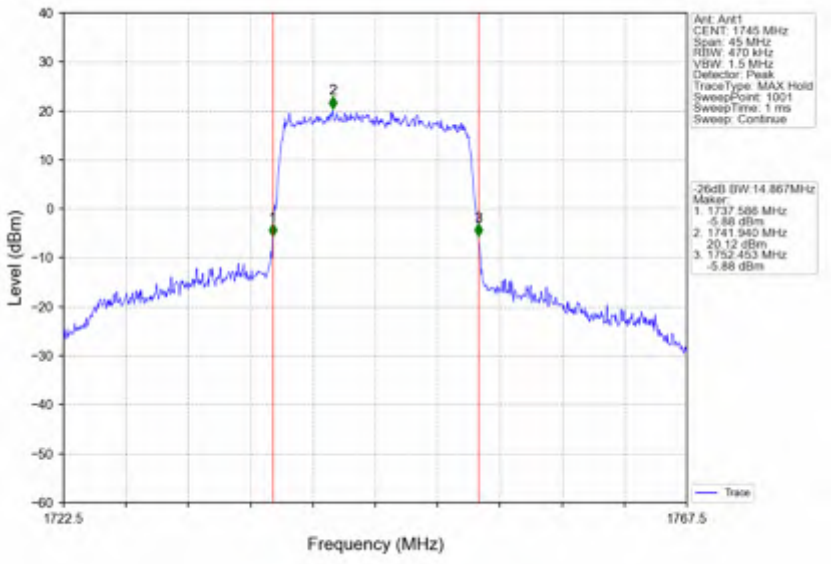
Band66_10MHz_64QAM_HCH_1775MHz_RB_50_0_NTNV



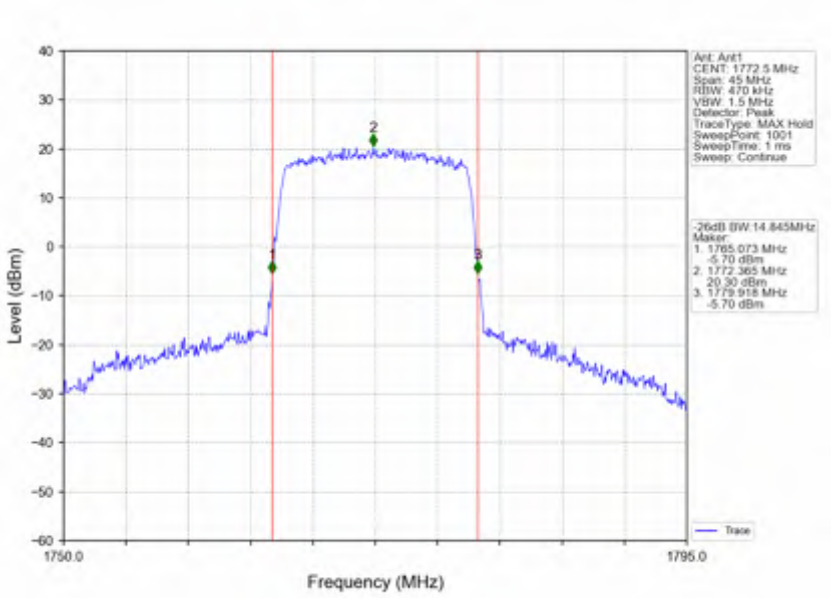
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



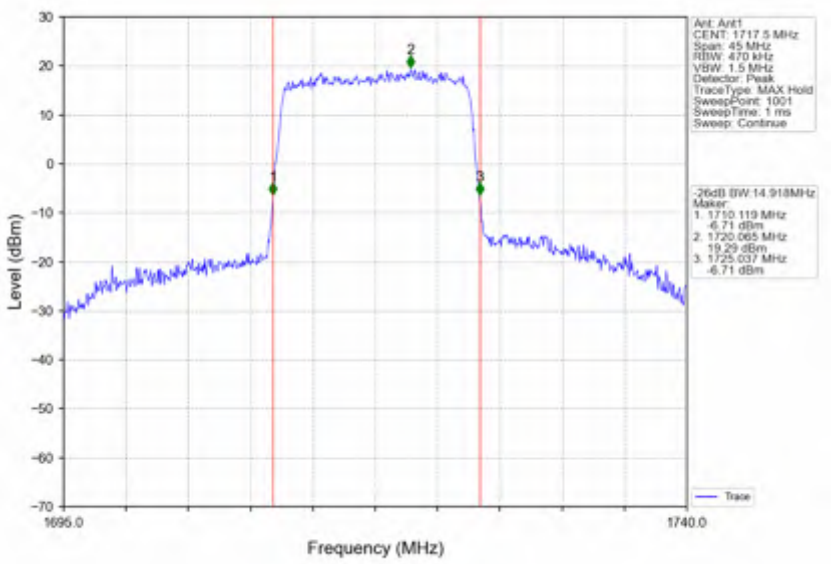
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



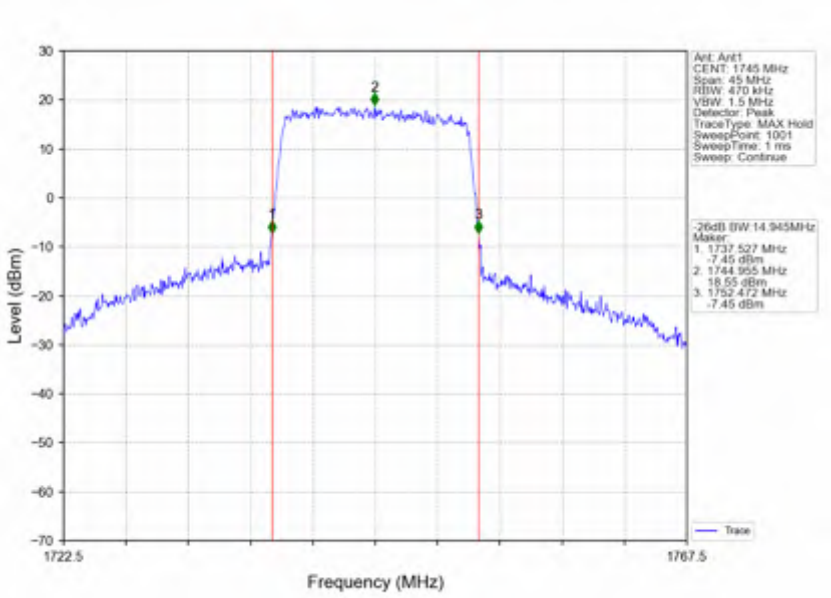
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



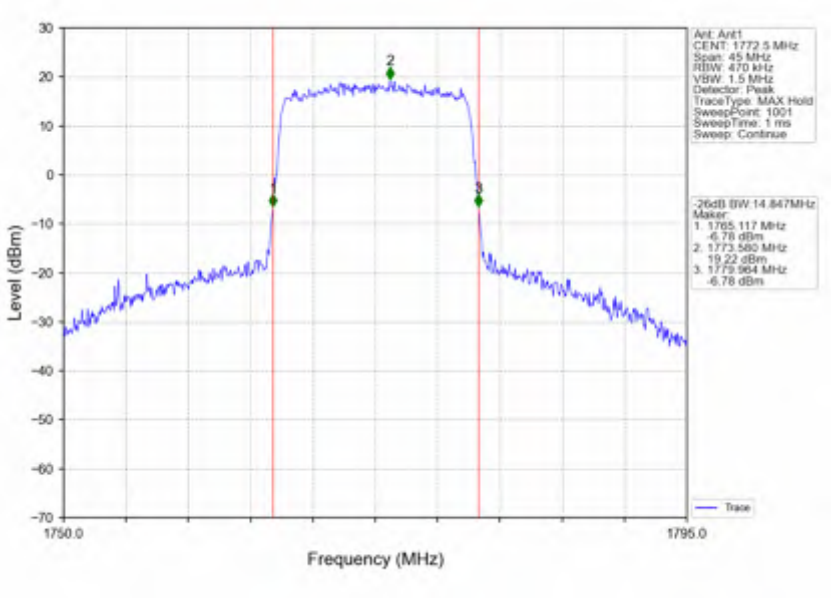
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



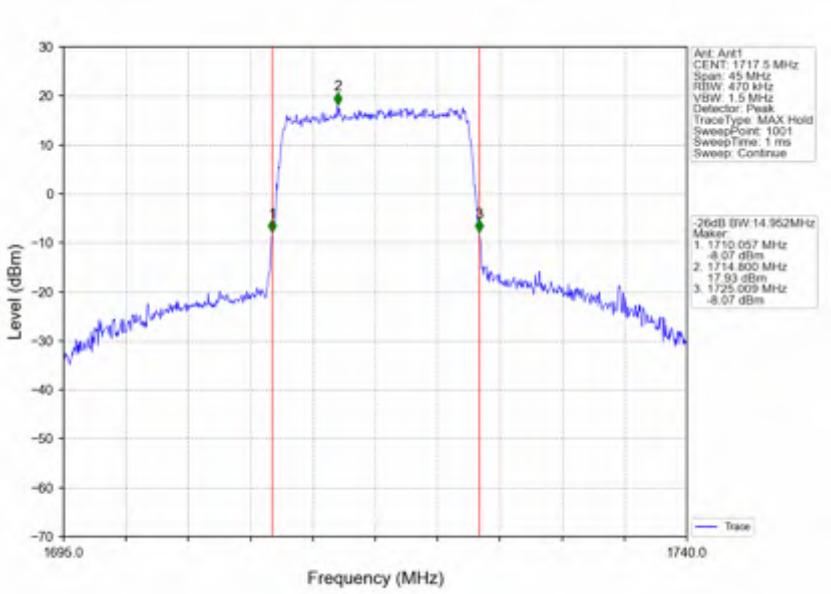
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



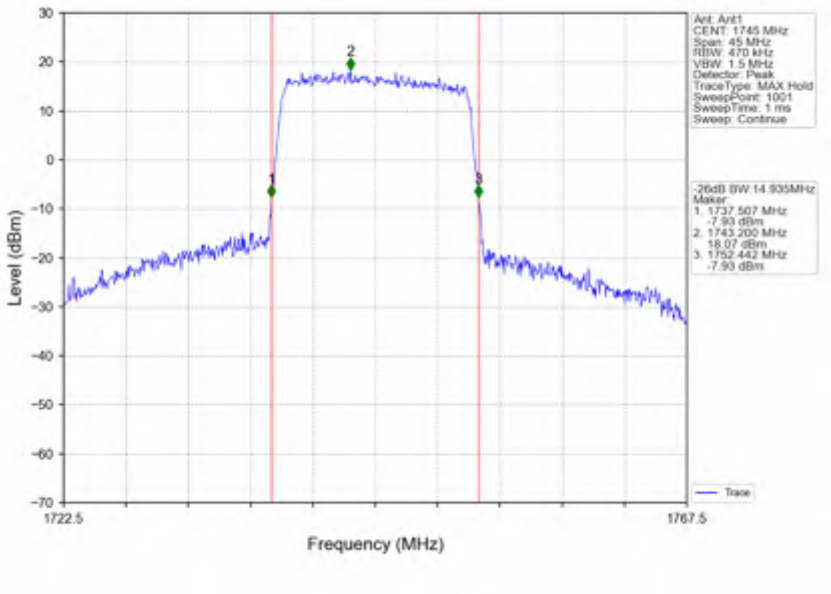
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



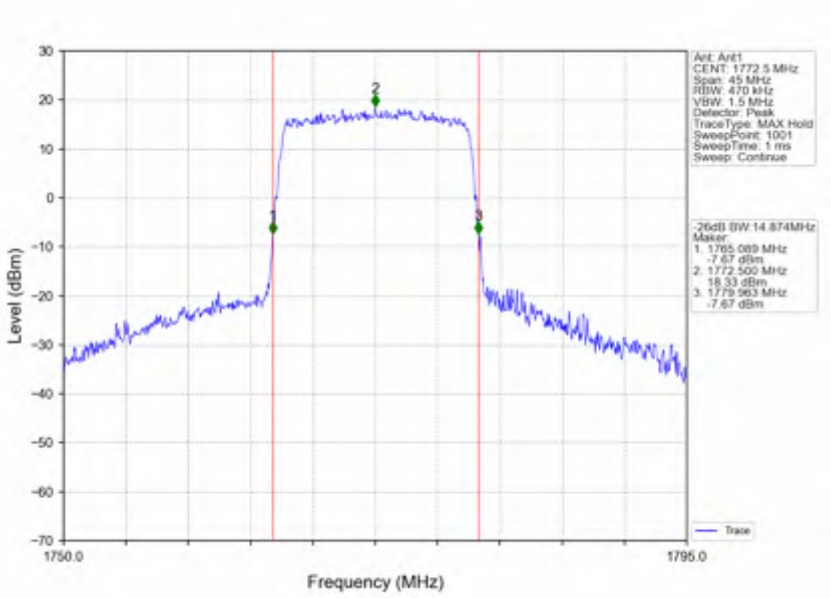
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



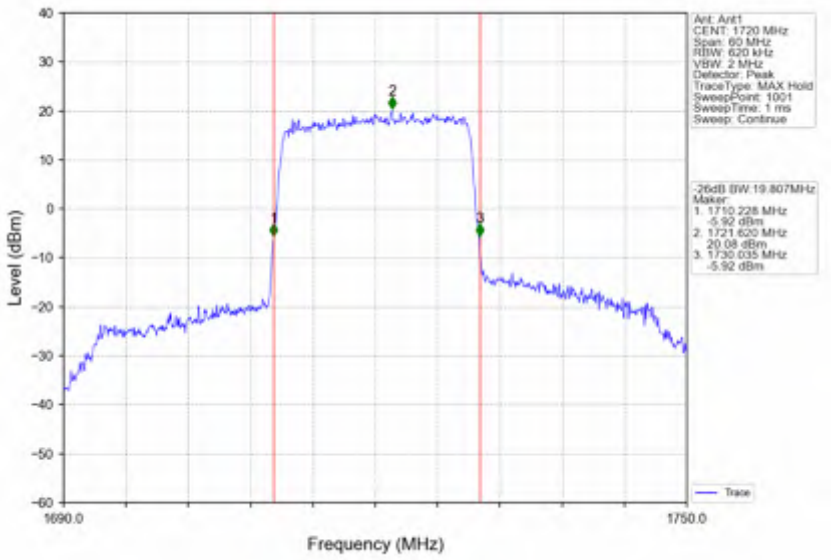
Band66_15MHz_64QAM_MCH_1745MHz_RB_75_0_NTNV



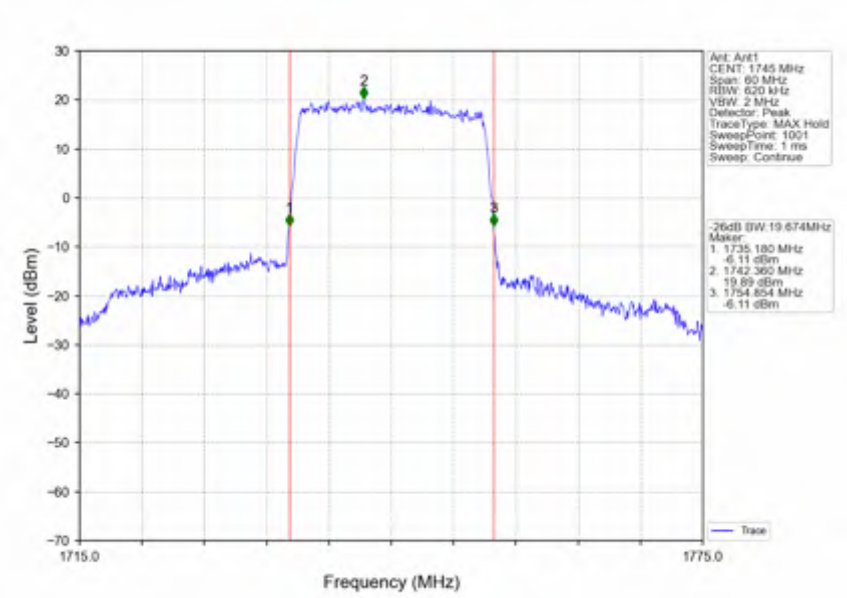
Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV



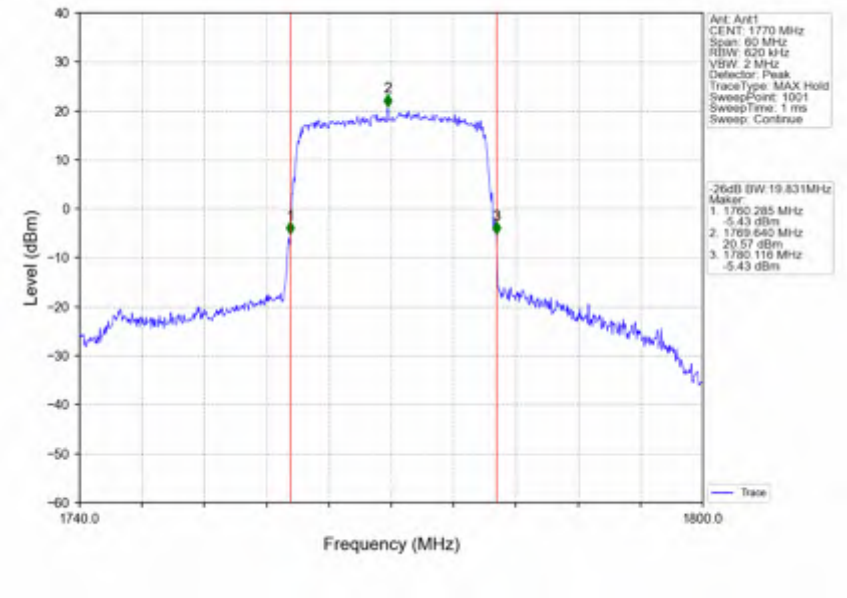
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



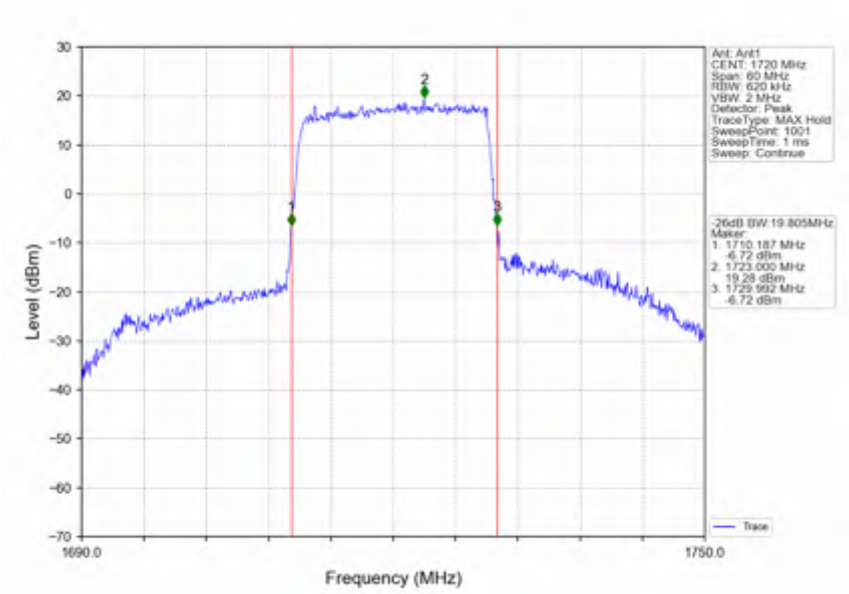
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



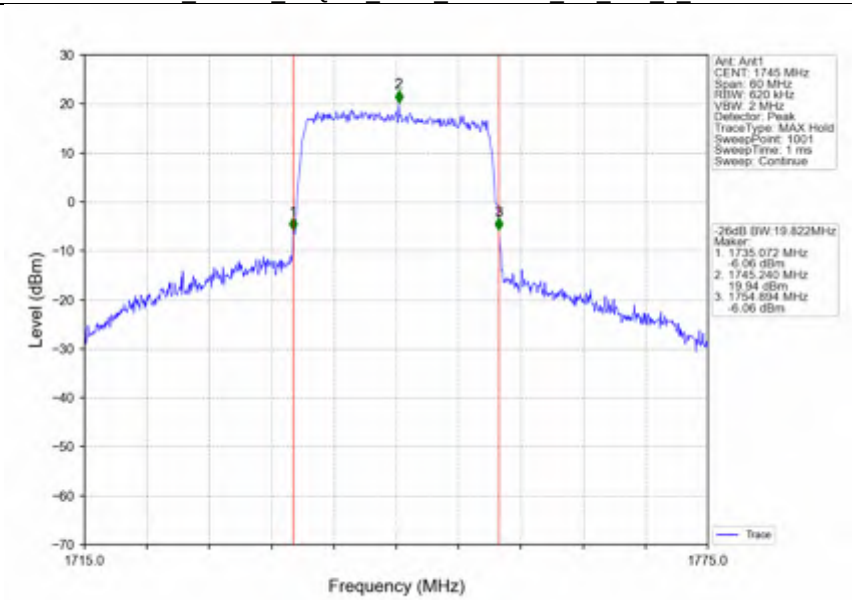
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



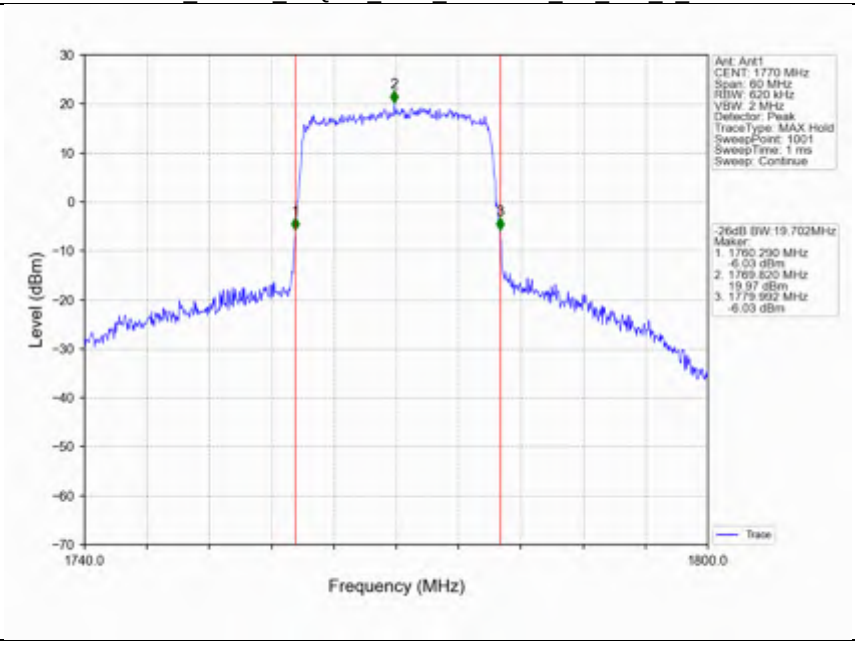
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



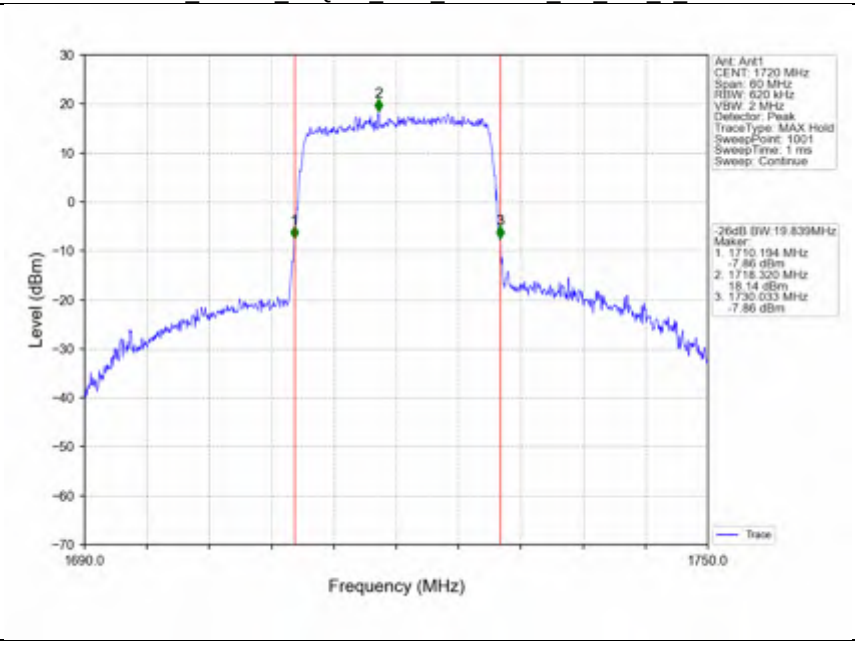
Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



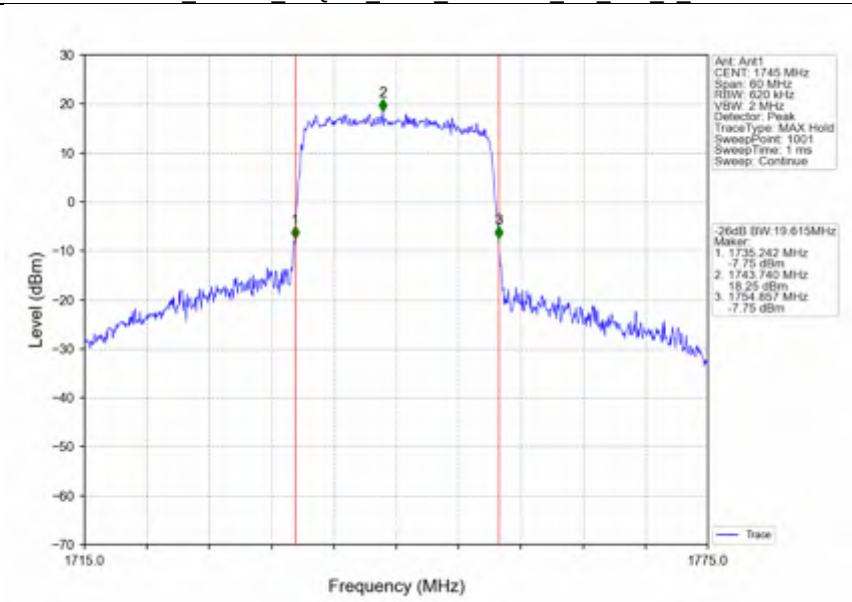
Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



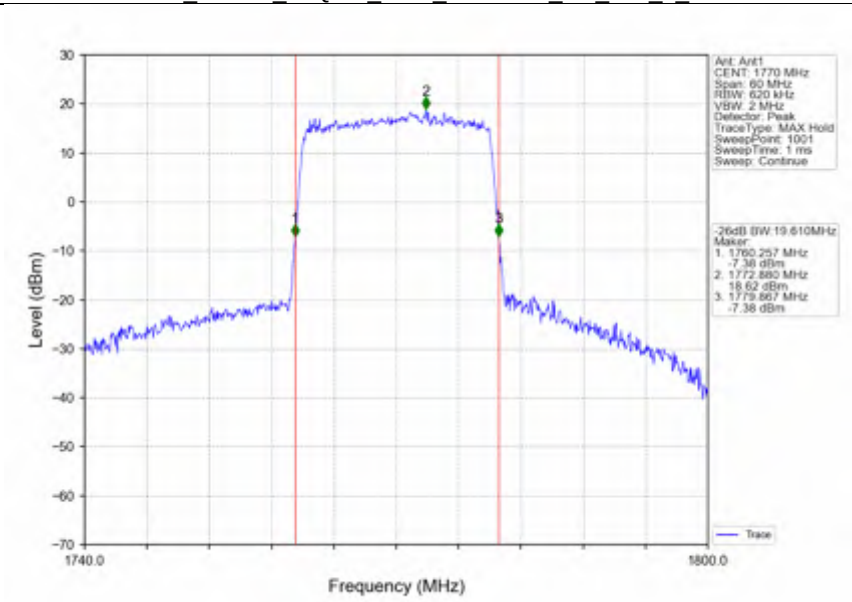
Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV



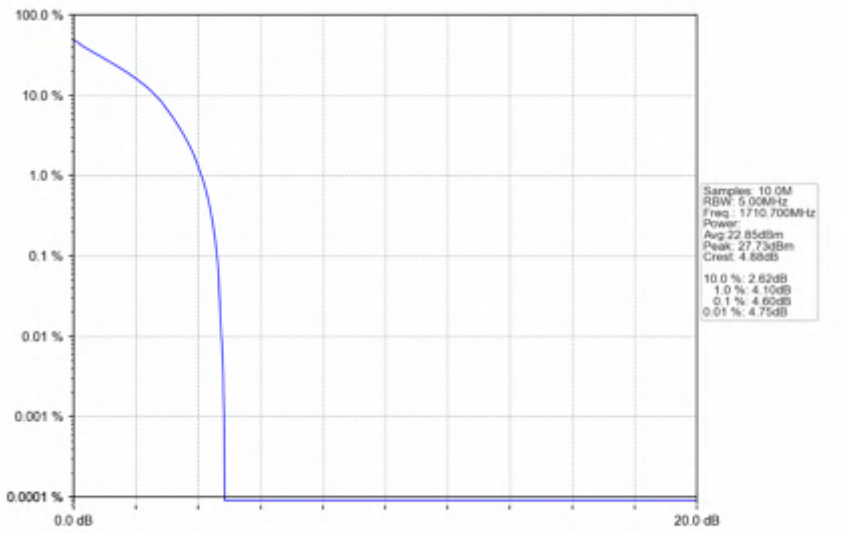
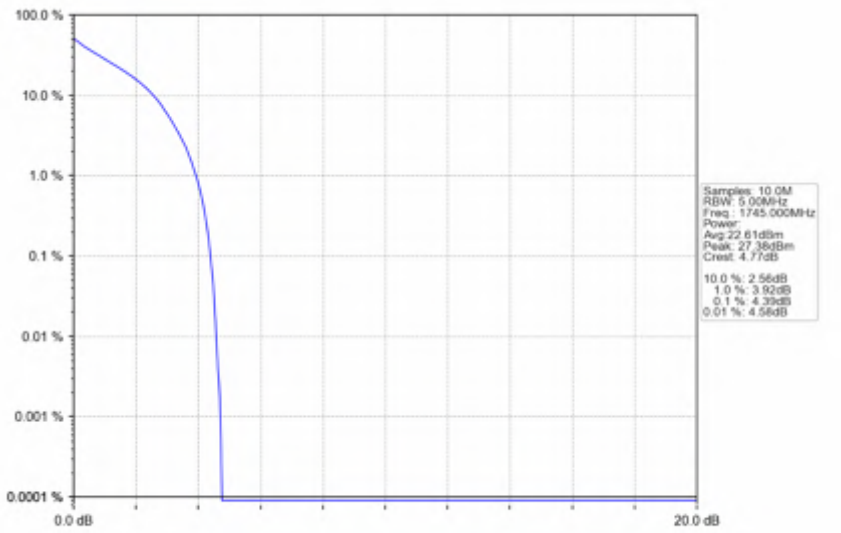
5. Peak-Average Ratio

5.1 B66_1.4MHz

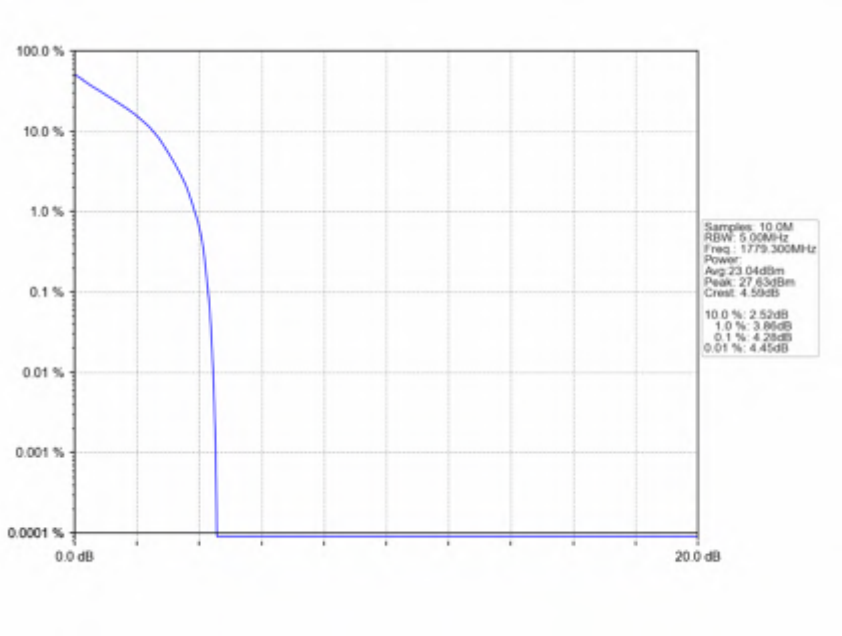
5.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.60	<=13	Pass
	1745	6	0	4.39	<=13	Pass
	1779.3	6	0	4.28	<=13	Pass
16QAM	1710.7	6	0	5.50	<=13	Pass
	1745	6	0	5.27	<=13	Pass
	1779.3	6	0	5.25	<=13	Pass
64QAM	1710.7	6	0	6.18	<=13	Pass
	1745	6	0	5.93	<=13	Pass
	1779.3	6	0	5.82	<=13	Pass

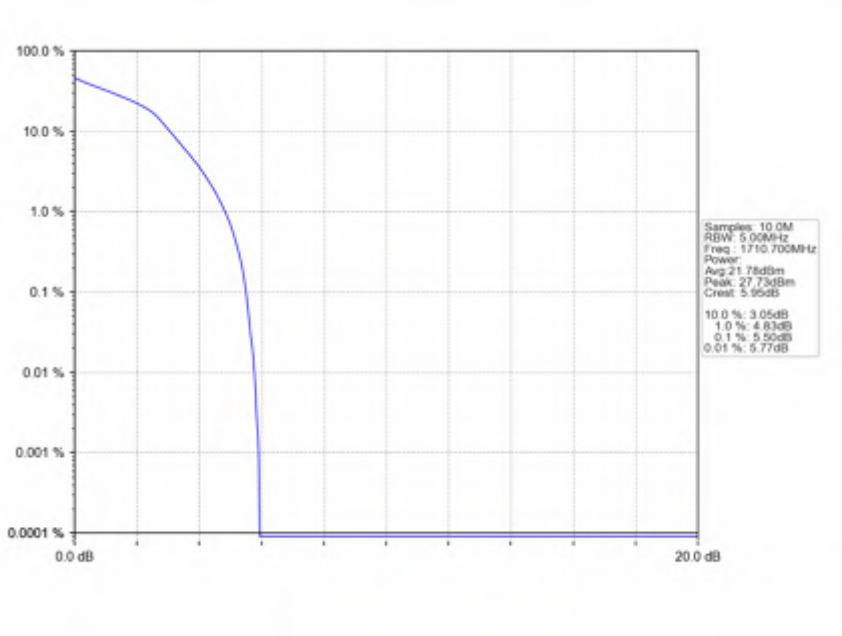
5.1.2 Test Graph

Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV


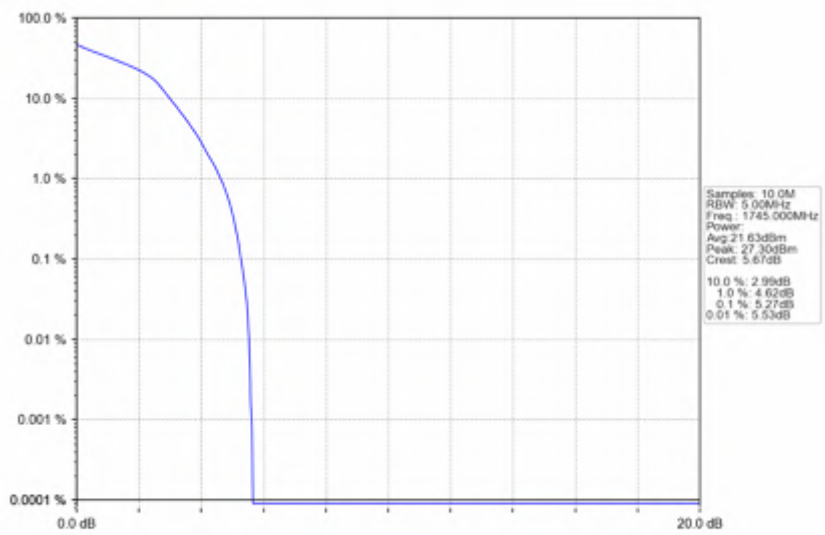
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



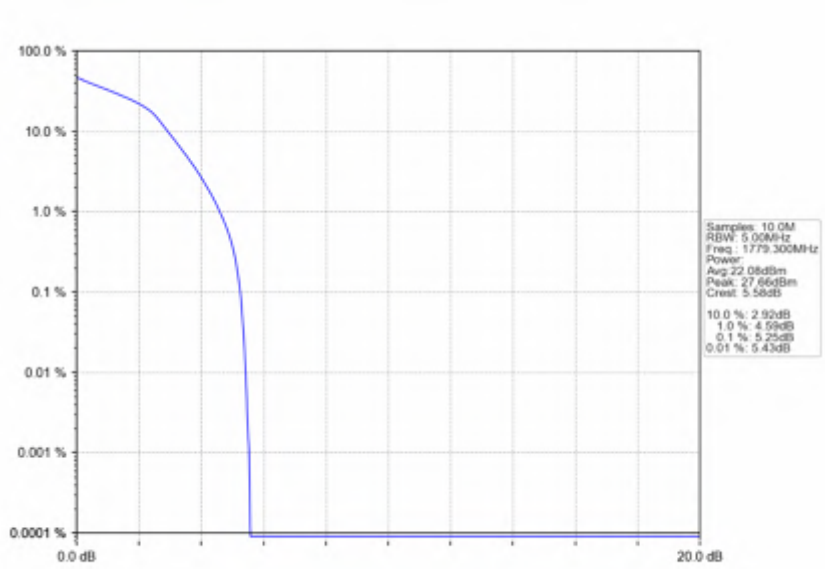
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



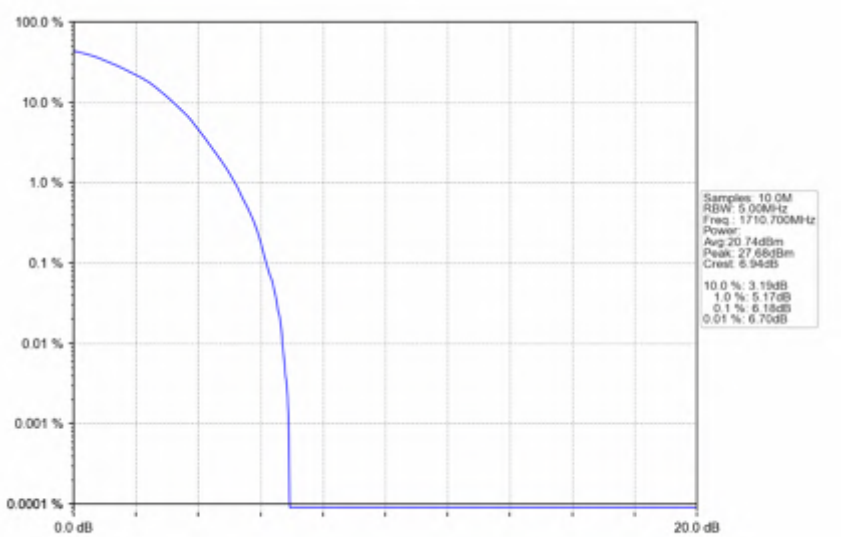
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



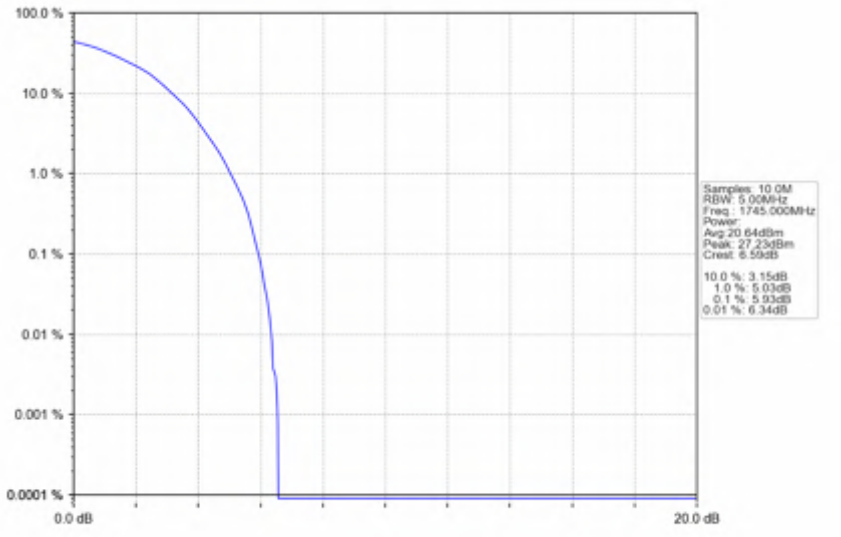
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



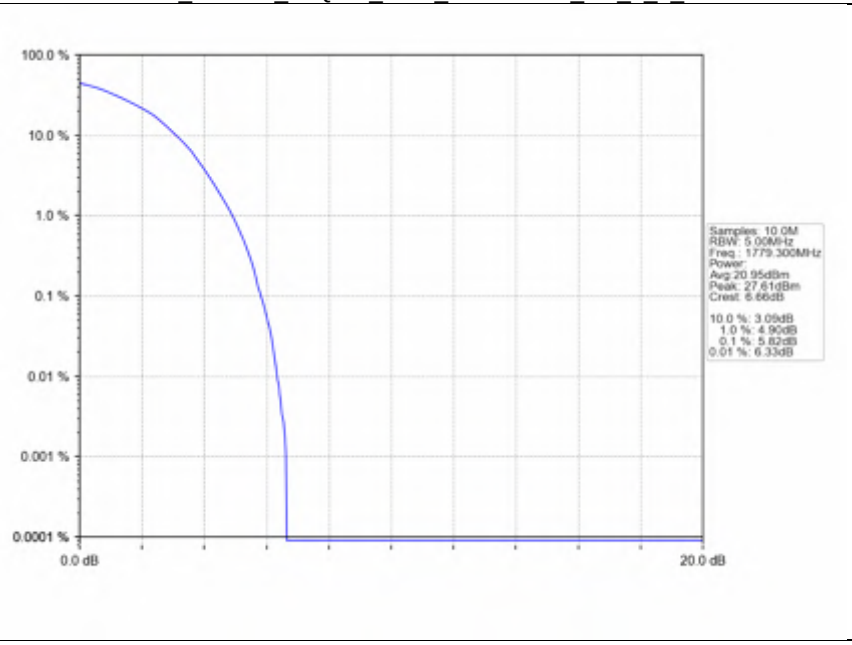
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV



Band66_1.4MHz_64QAM_MCH_1745MHz_RB_6_0_NTNV



Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV

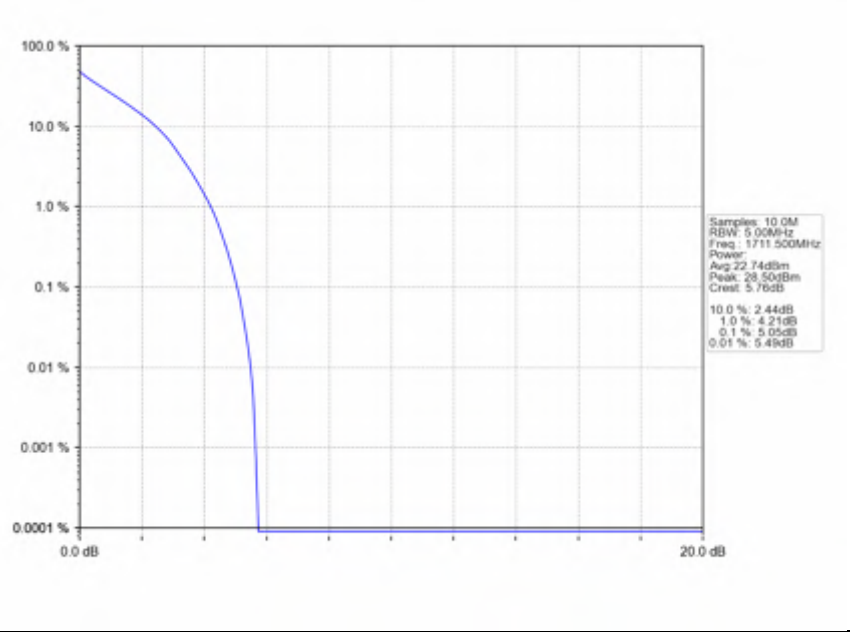
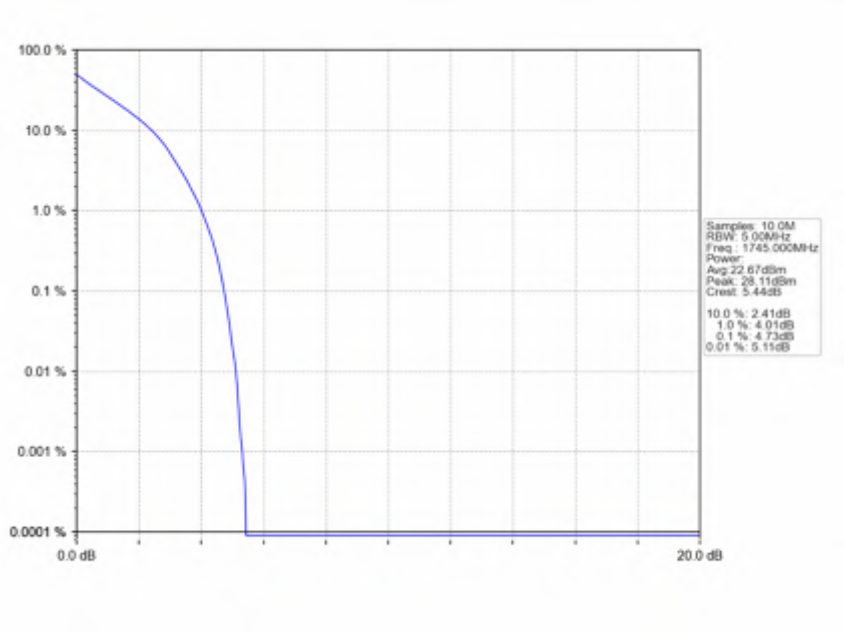


5.2 B66_3MHz

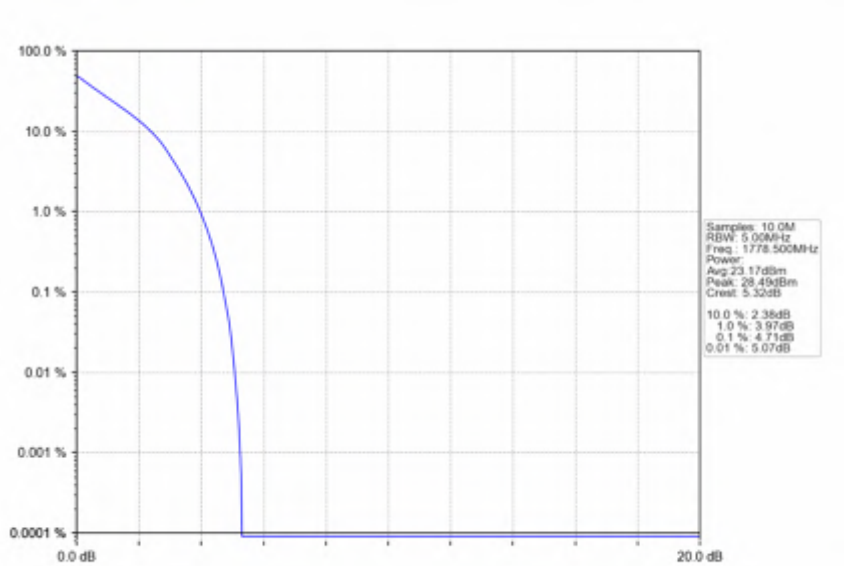
5.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.05	<=13	Pass
	1745	15	0	4.73	<=13	Pass
	1778.5	15	0	4.71	<=13	Pass
16QAM	1711.5	15	0	5.86	<=13	Pass
	1745	15	0	5.60	<=13	Pass
	1778.5	15	0	5.65	<=13	Pass
64QAM	1711.5	15	0	6.24	<=13	Pass
	1745	15	0	6.14	<=13	Pass
	1778.5	15	0	6.16	<=13	Pass

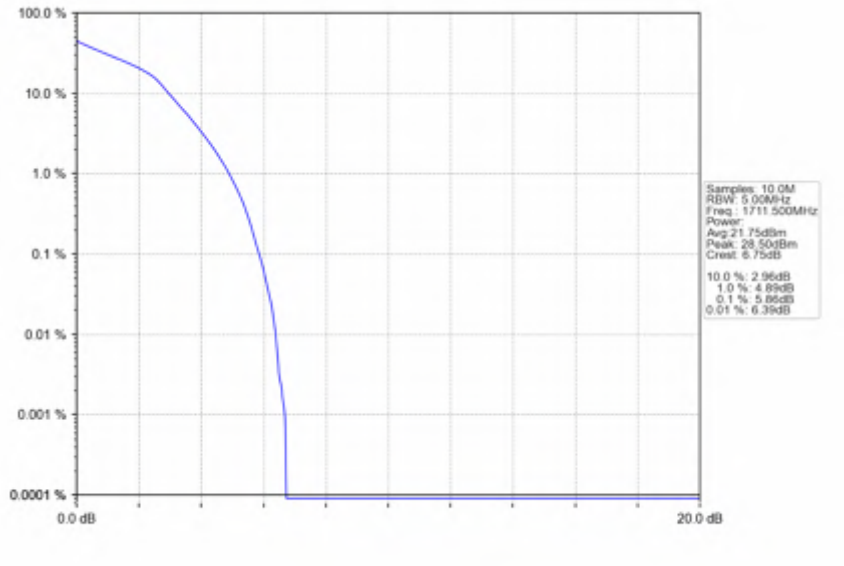
5.2.2 Test Graph

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV


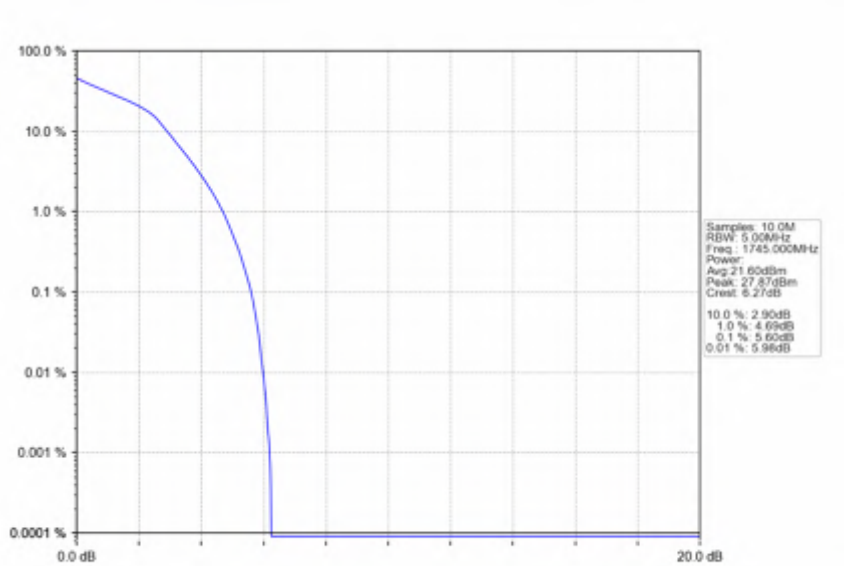
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



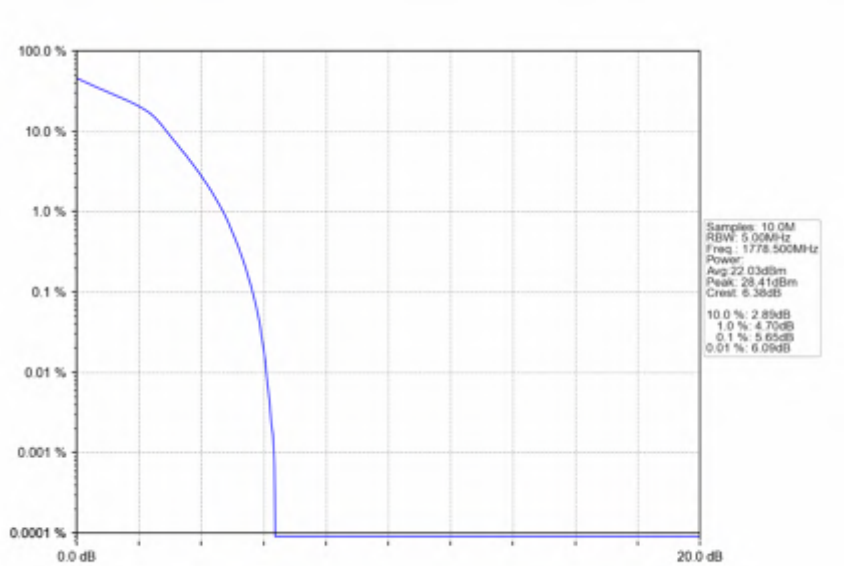
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



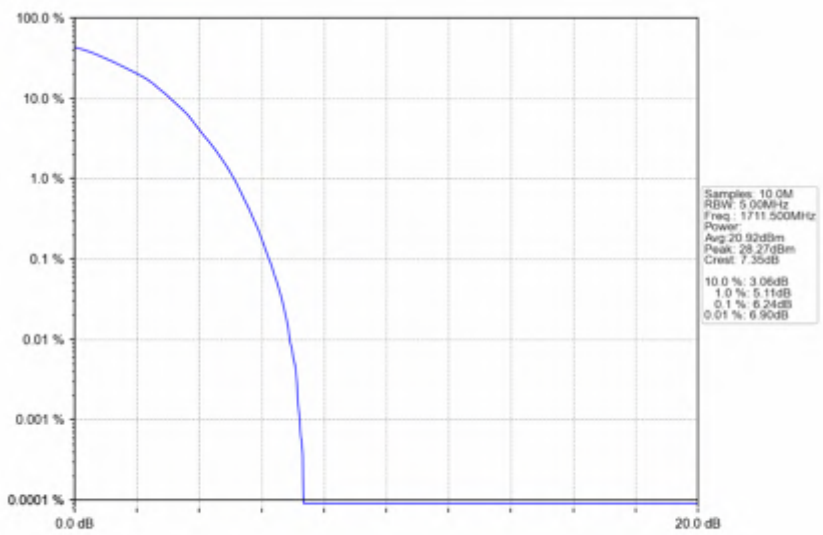
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



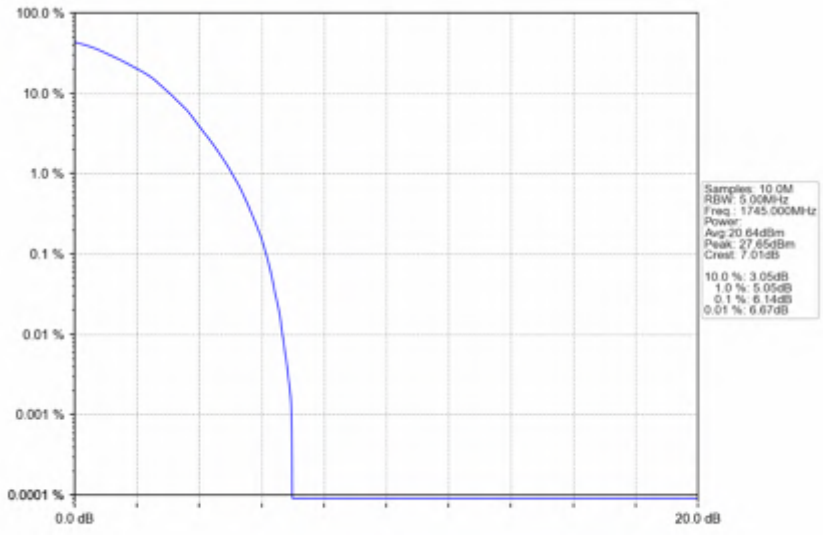
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



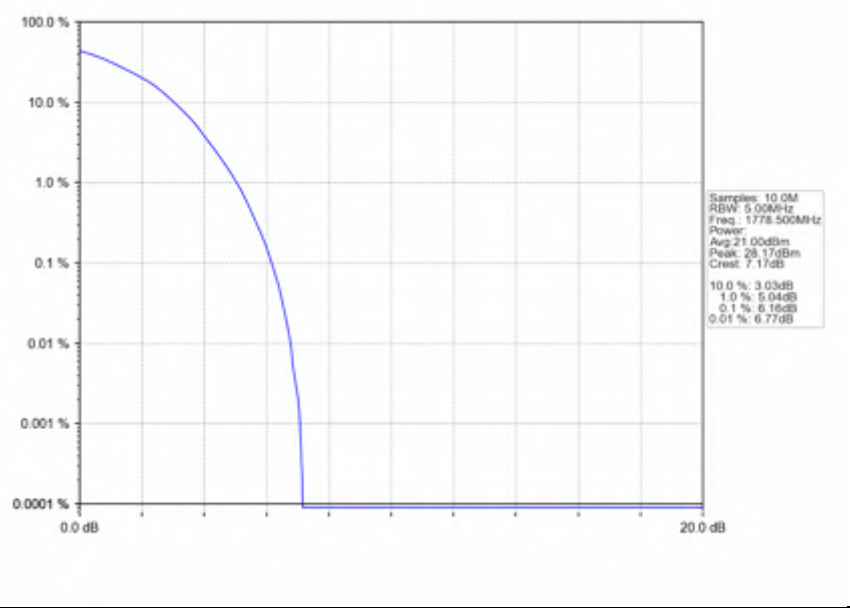
Band66_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV



Band66_3MHz_64QAM_MCH_1745MHz_RB_15_0_NTNV



Band66_3MHz_64QAM_HCH_1778.5MHz_RB_15_0_NTNV

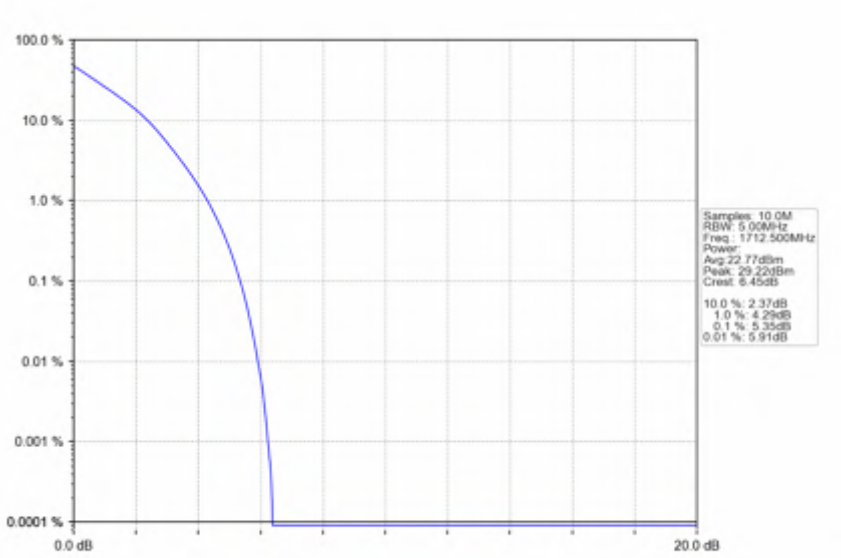
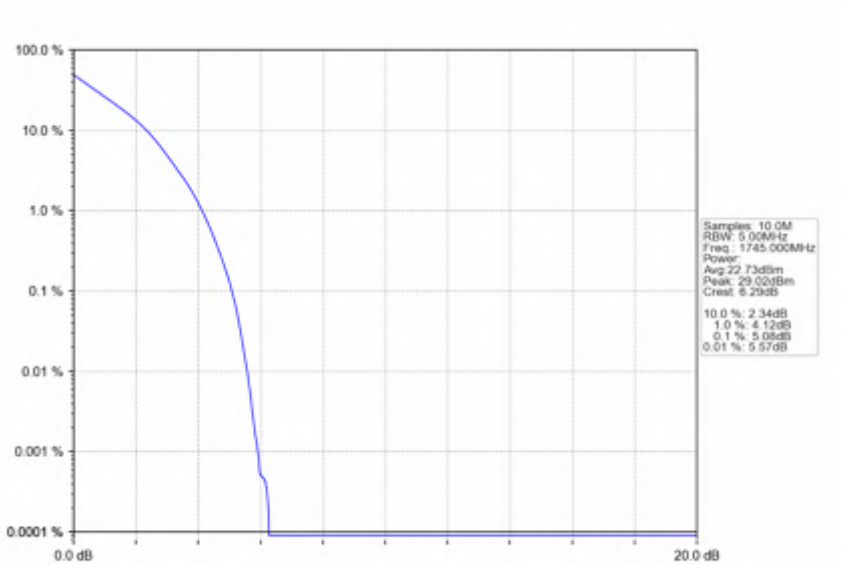


5.3 B66_5MHz

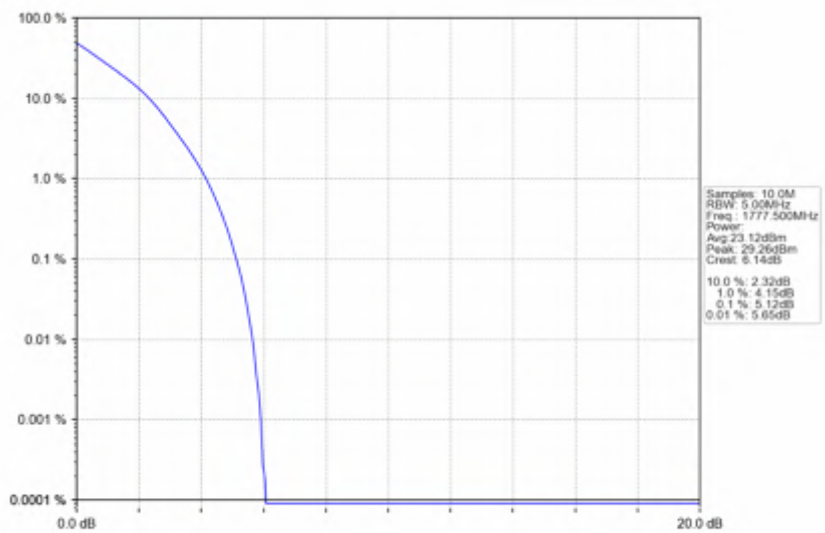
5.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.35	<=13	Pass
	1745	25	0	5.08	<=13	Pass
	1777.5	25	0	5.12	<=13	Pass
16QAM	1712.5	25	0	5.98	<=13	Pass
	1745	25	0	5.80	<=13	Pass
	1777.5	25	0	5.90	<=13	Pass
64QAM	1712.5	25	0	6.33	<=13	Pass
	1745	25	0	6.20	<=13	Pass
	1777.5	25	0	6.29	<=13	Pass

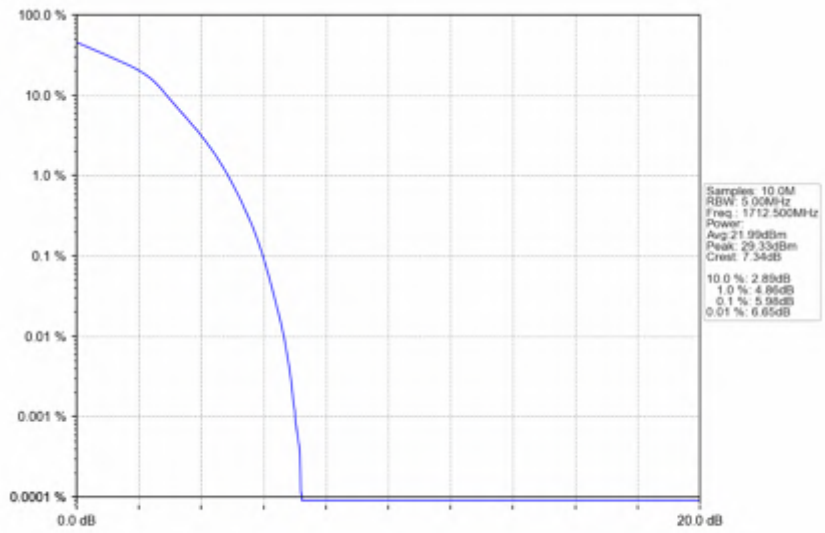
5.3.2 Test Graph

Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV


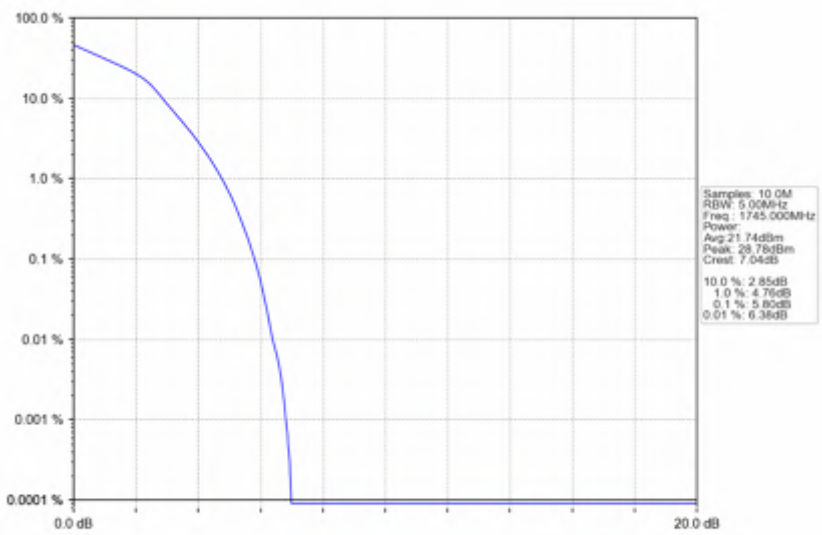
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



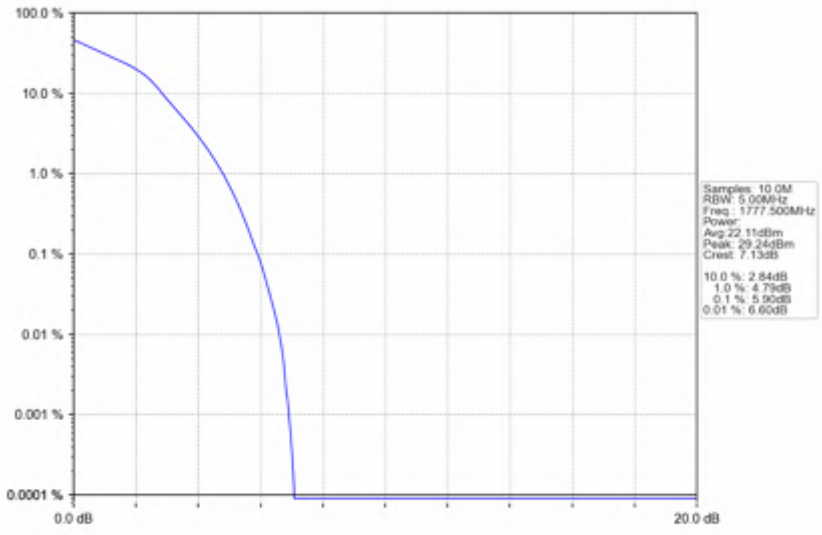
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



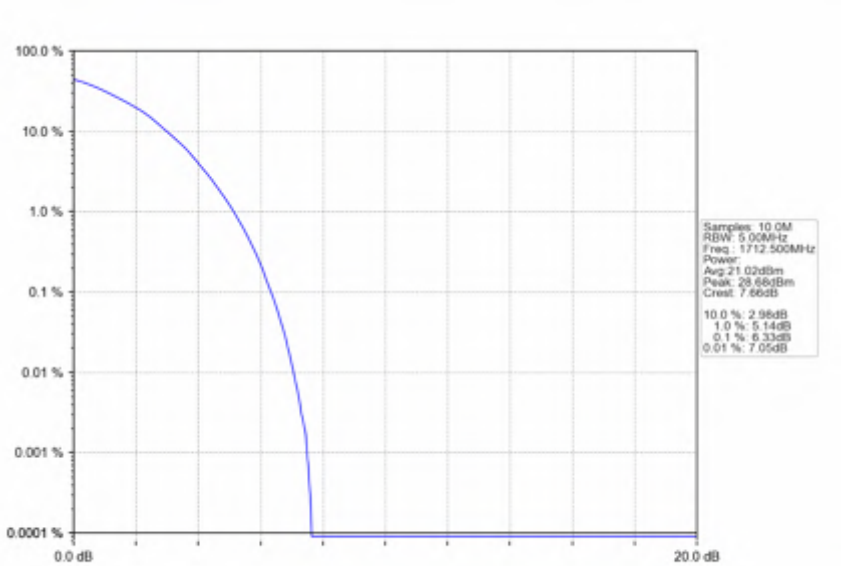
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



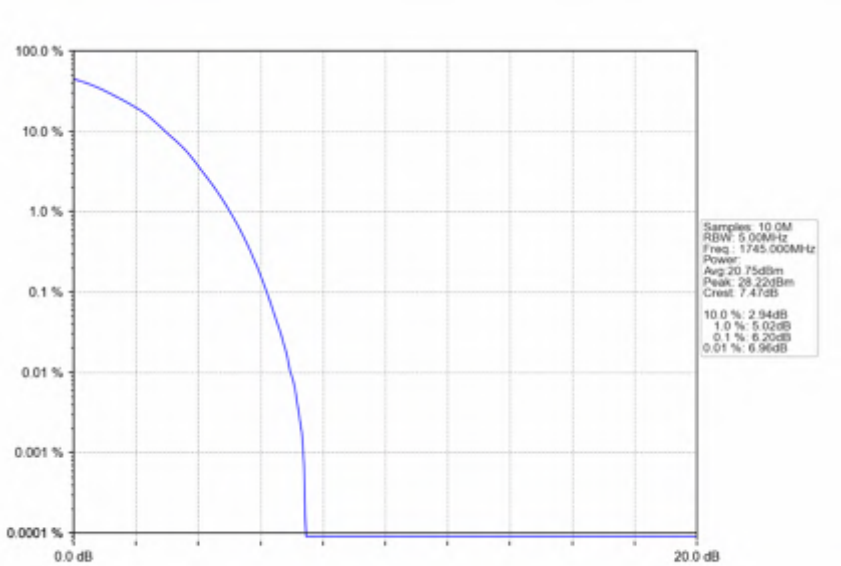
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



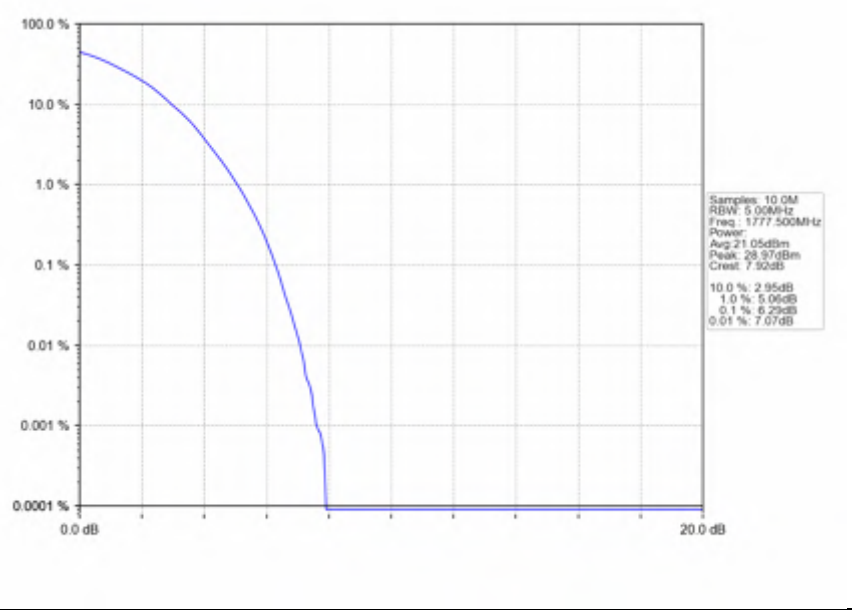
Band66_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band66_5MHz_64QAM_MCH_1745MHz_RB_25_0_NTNV



Band66_5MHz_64QAM_HCH_1777.5MHz_RB_25_0_NTNV

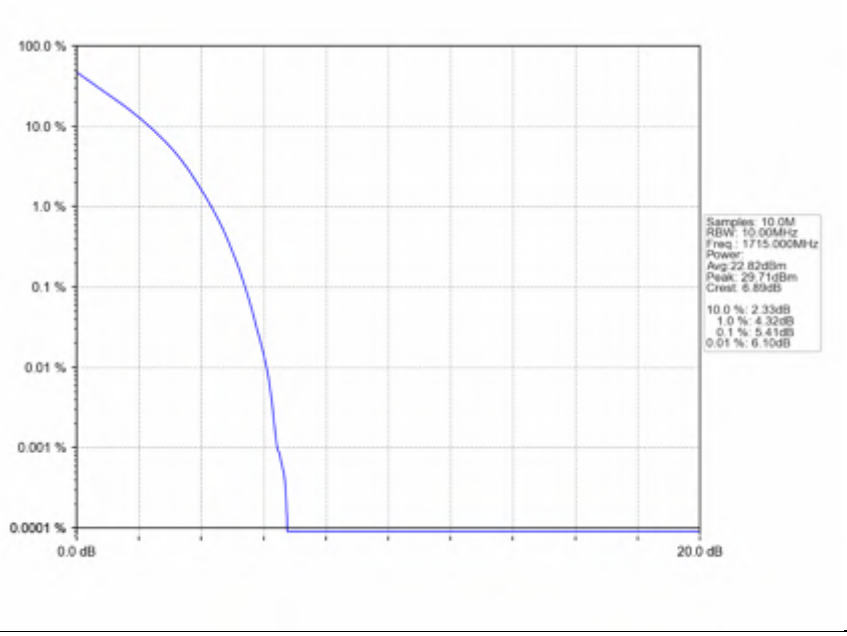
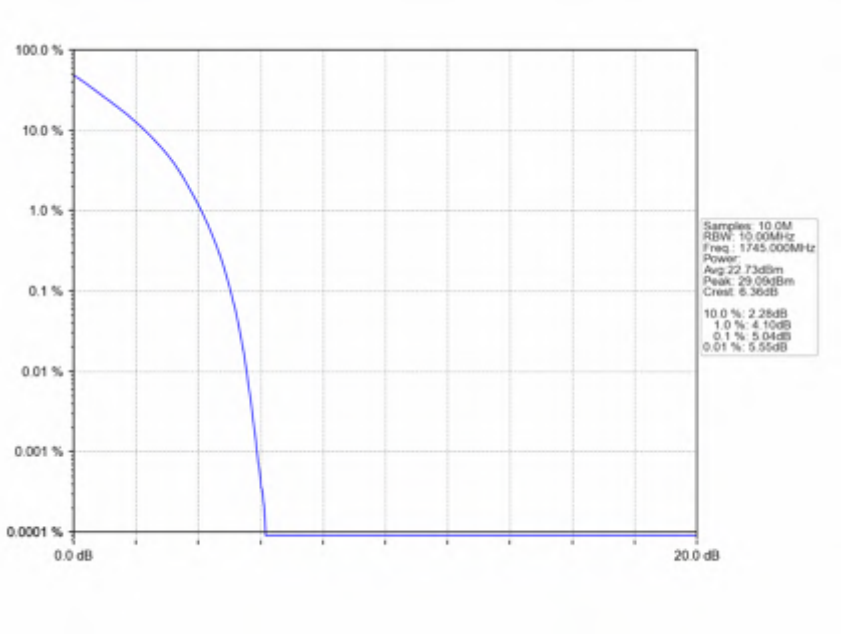


5.4 B66_10MHz

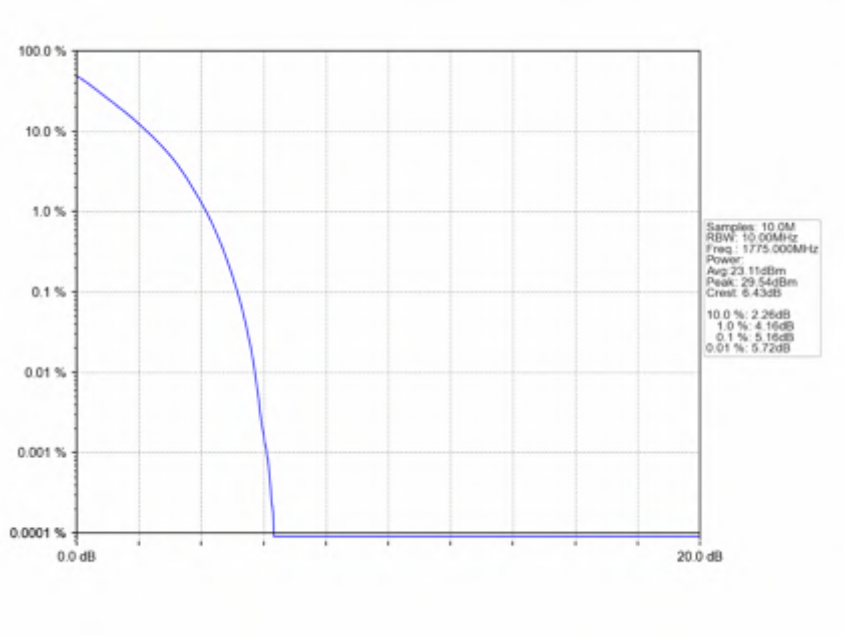
5.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.41	<=13	Pass
	1745	50	0	5.04	<=13	Pass
	1775	50	0	5.16	<=13	Pass
16QAM	1715	50	0	6.12	<=13	Pass
	1745	50	0	5.82	<=13	Pass
	1775	50	0	6.00	<=13	Pass
64QAM	1715	50	0	6.46	<=13	Pass
	1745	50	0	6.23	<=13	Pass
	1775	50	0	6.27	<=13	Pass

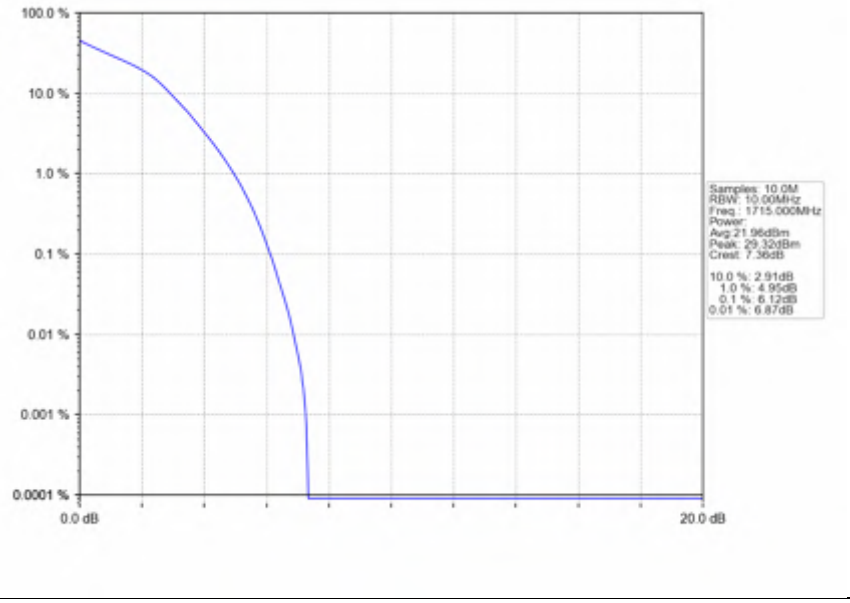
5.4.2 Test Graph

Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV


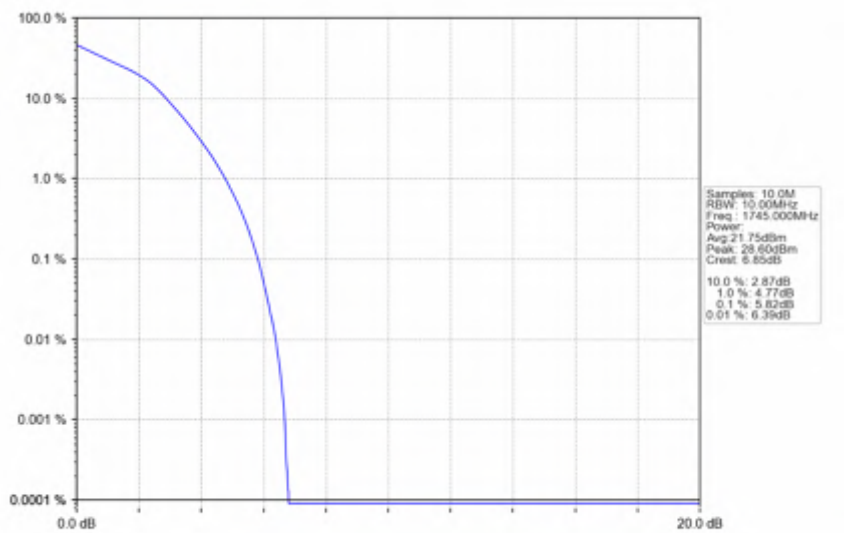
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



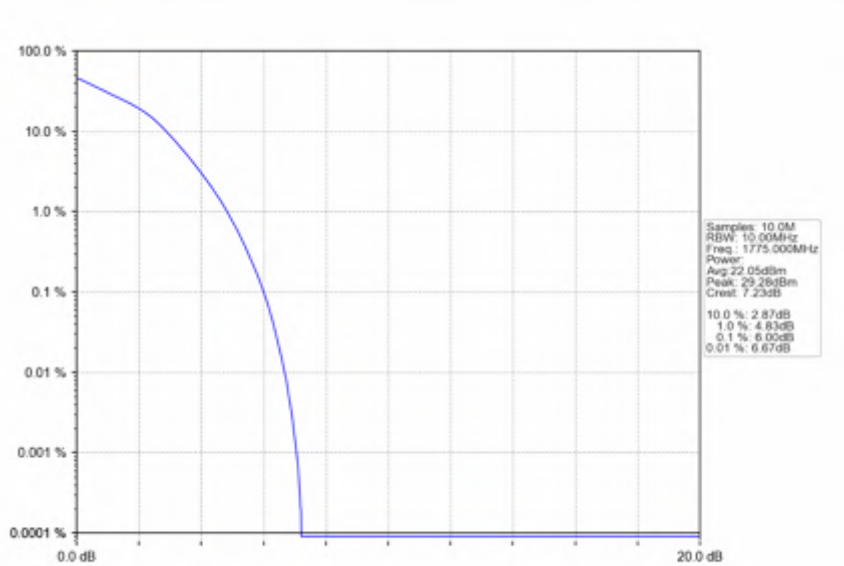
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



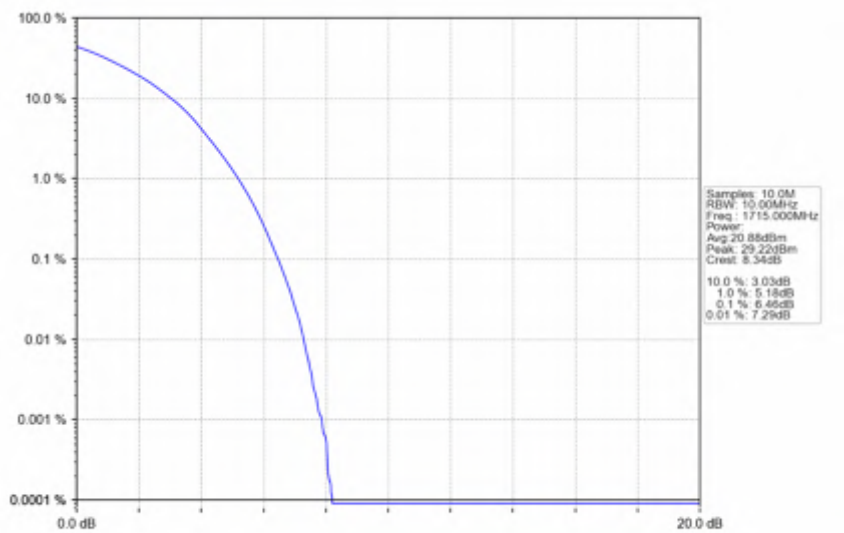
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



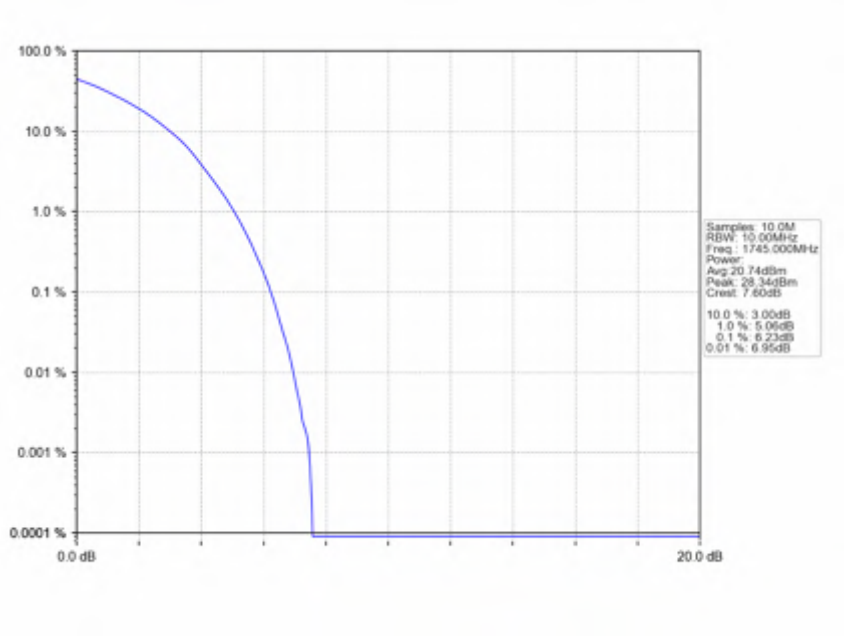
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



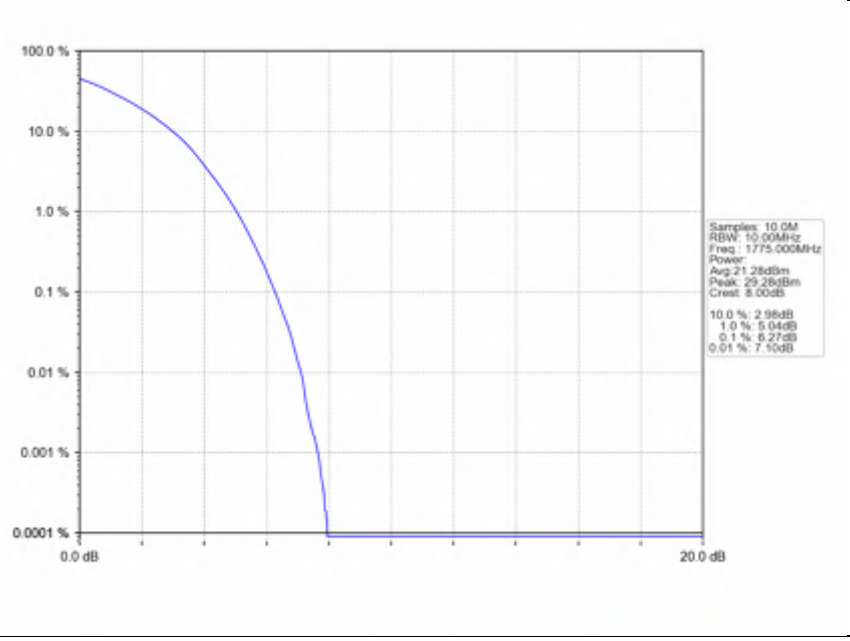
Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV



Band66_10MHz_64QAM_MCH_1745MHz_RB_50_0_NTNV



Band66_10MHz_64QAM_HCH_1775MHz_RB_50_0_NTNV

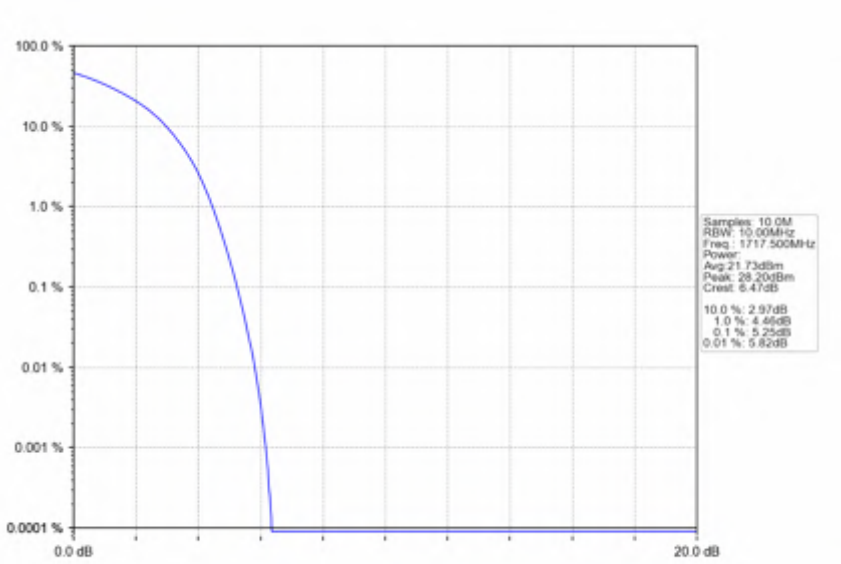
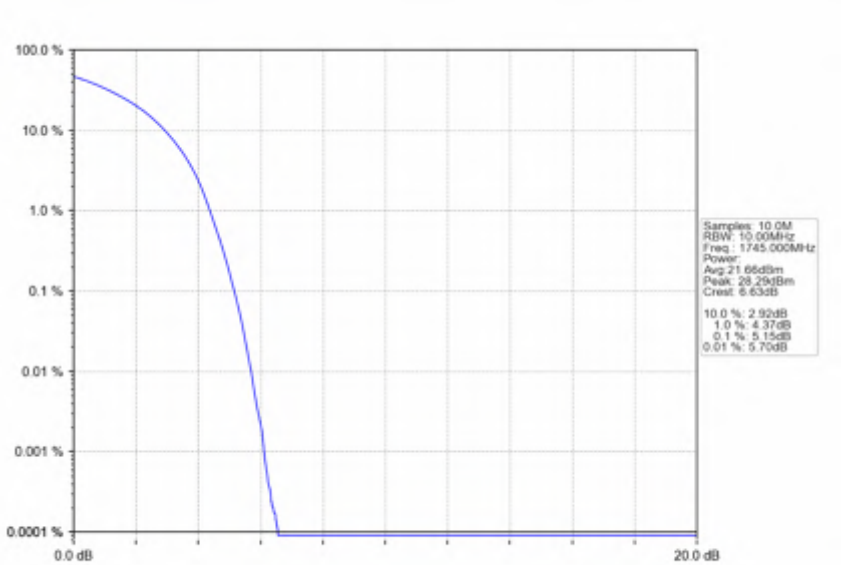


5.5 B66_15MHz

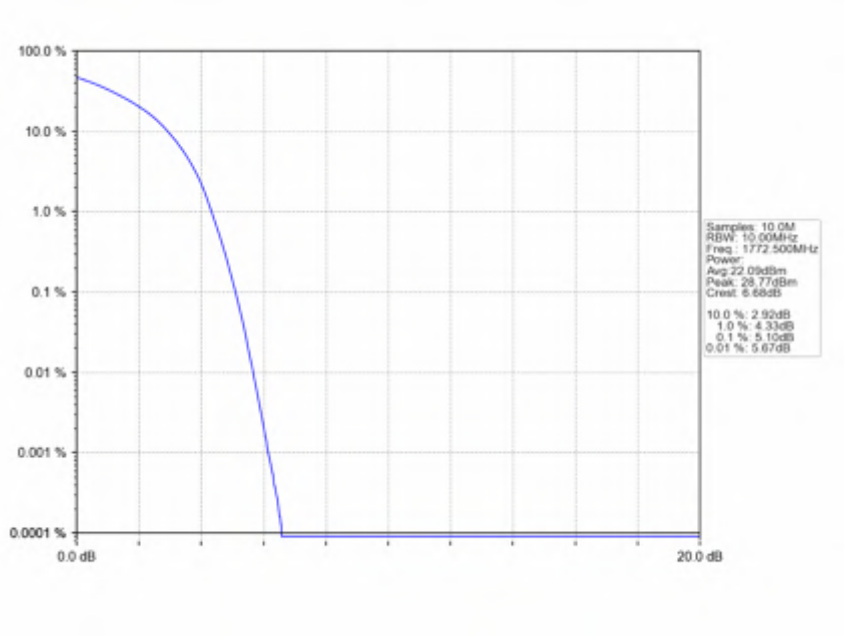
5.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.25	<=13	Pass
	1745	75	0	5.15	<=13	Pass
	1772.5	75	0	5.10	<=13	Pass
16QAM	1717.5	75	0	6.37	<=13	Pass
	1745	75	0	6.20	<=13	Pass
	1772.5	75	0	6.26	<=13	Pass
64QAM	1717.5	75	0	6.62	<=13	Pass
	1745	75	0	6.46	<=13	Pass
	1772.5	75	0	6.50	<=13	Pass

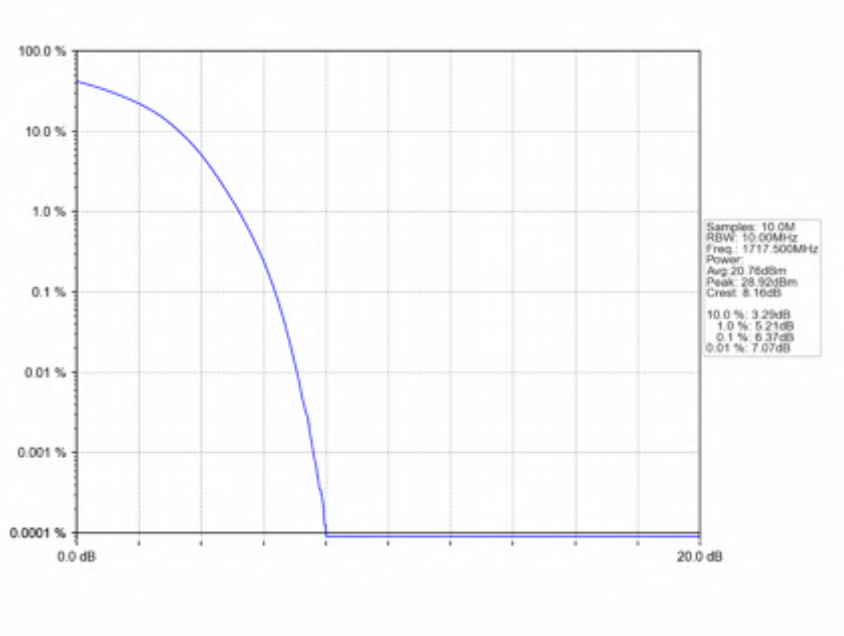
5.5.2 Test Graph

Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV


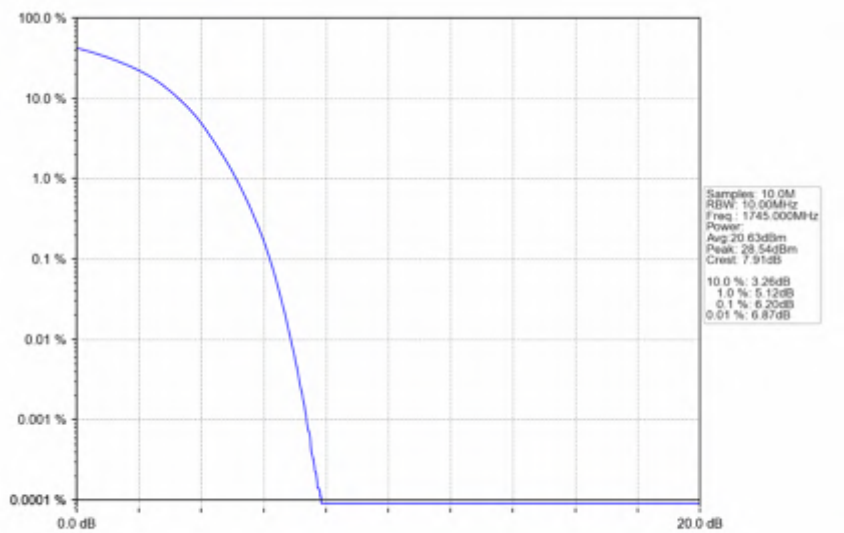
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



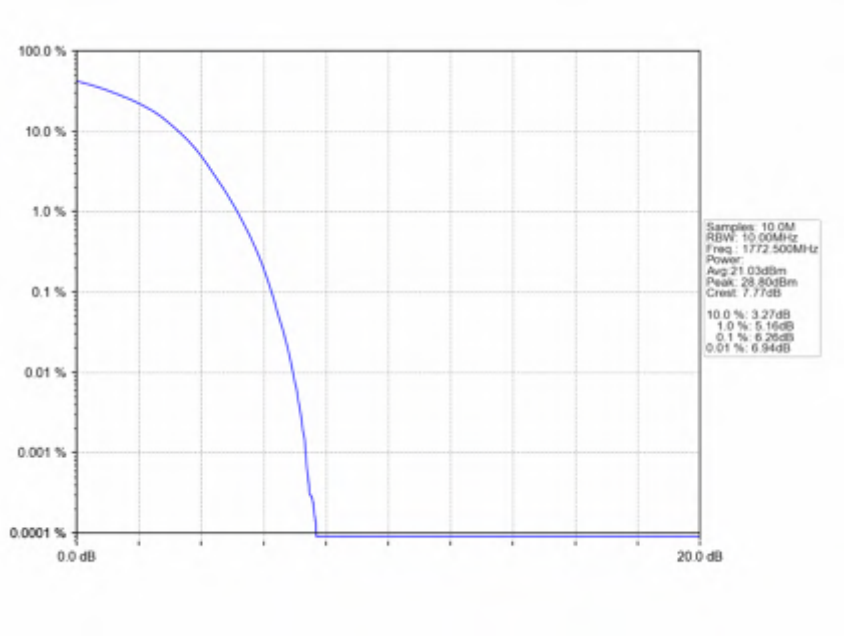
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



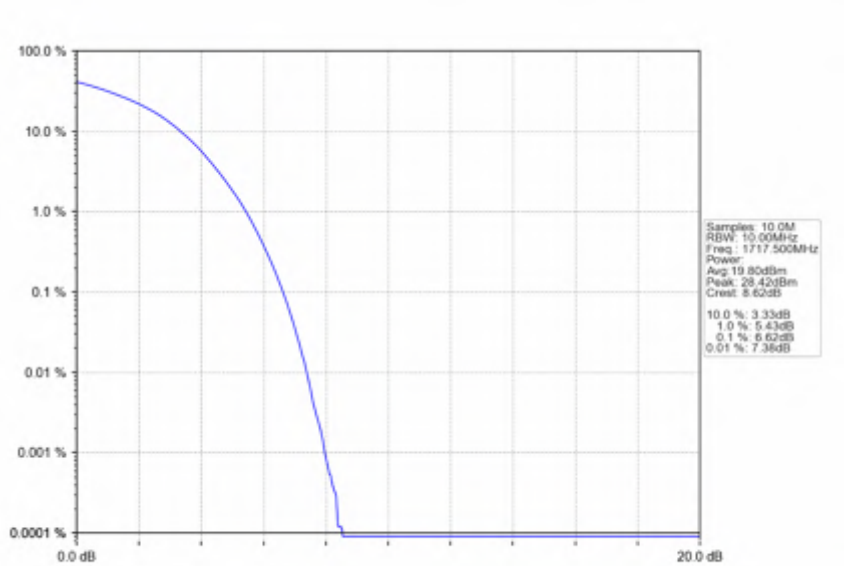
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



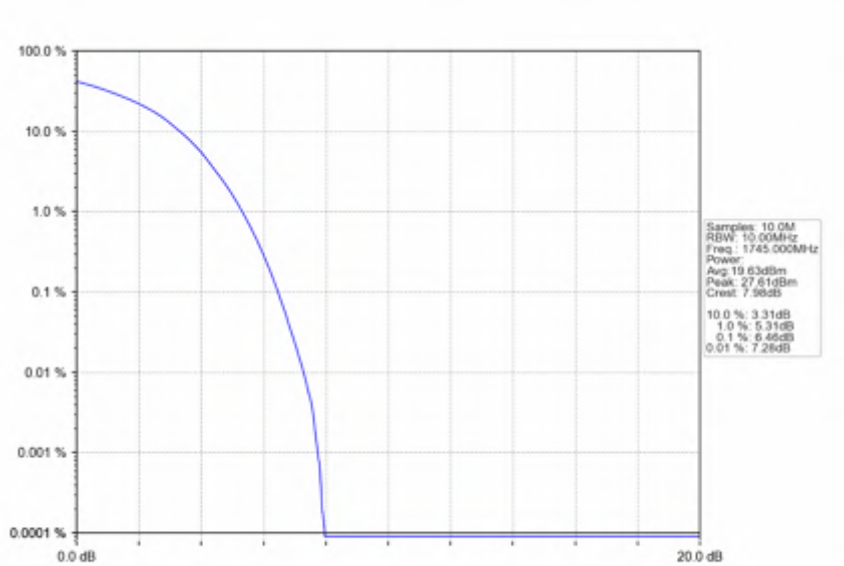
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



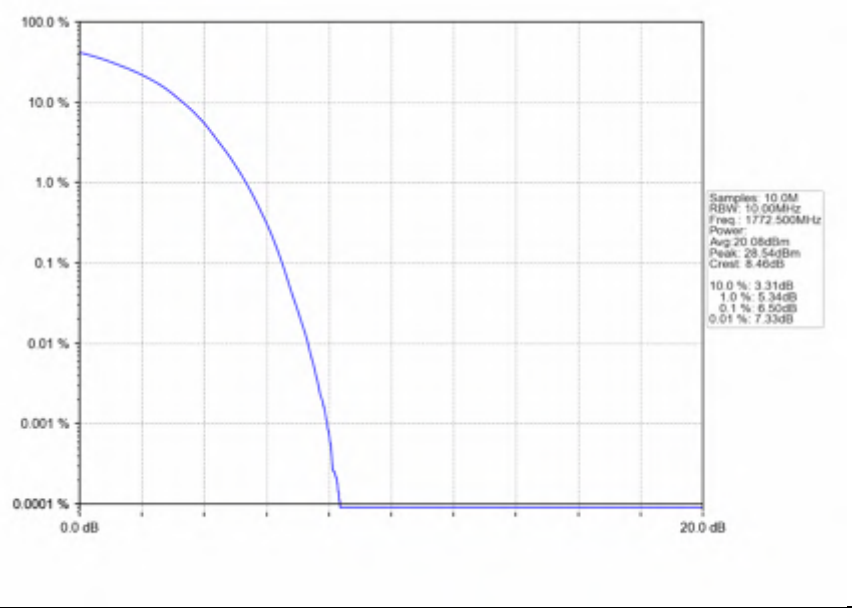
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



Band66_15MHz_64QAM_MCH_1745MHz_RB_75_0_NTNV



Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV

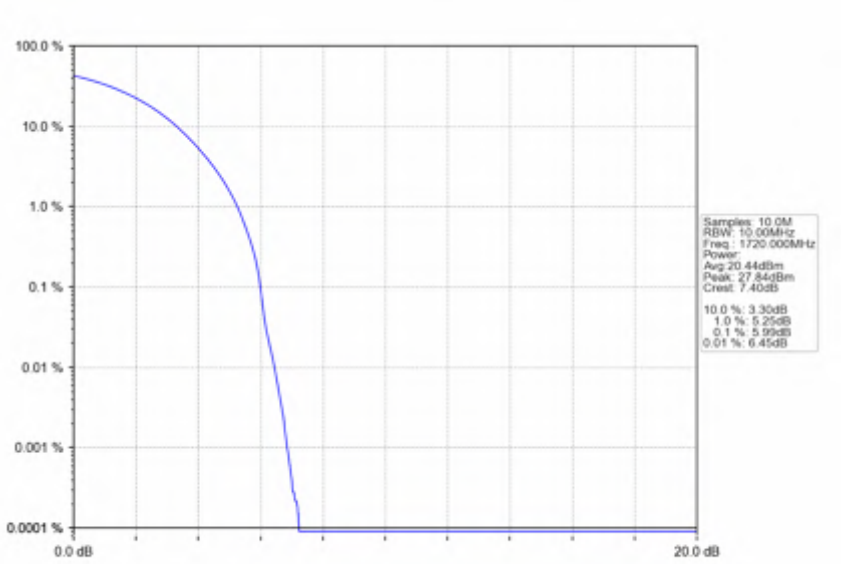
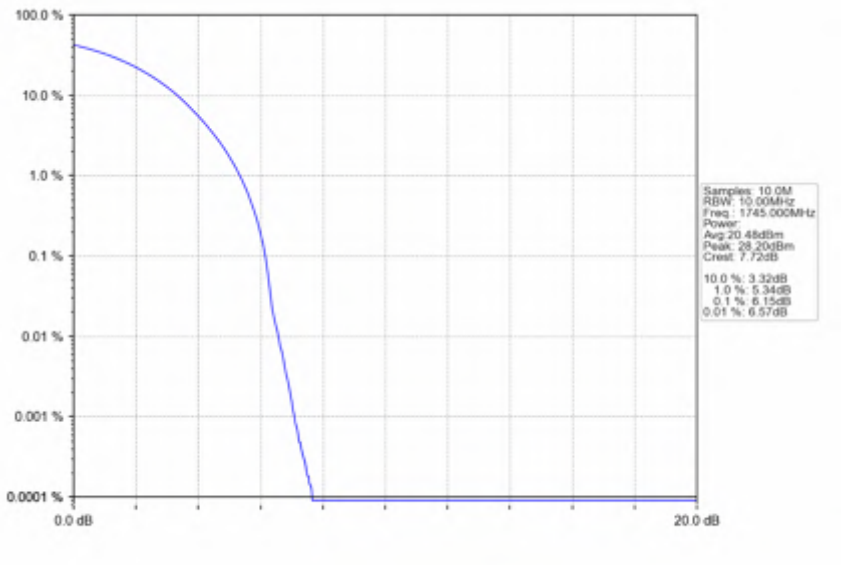


5.6 B66_20MHz

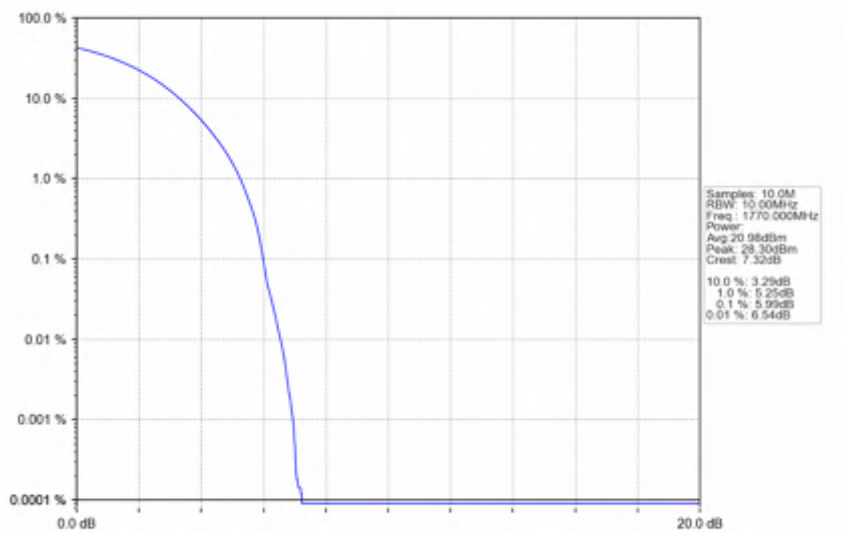
5.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.99	<=13	Pass
	1745	100	0	6.15	<=13	Pass
	1770	100	0	5.99	<=13	Pass
16QAM	1720	100	0	6.85	<=13	Pass
	1745	100	0	6.74	<=13	Pass
	1770	100	0	6.77	<=13	Pass
64QAM	1720	100	0	6.98	<=13	Pass
	1745	100	0	6.99	<=13	Pass
	1770	100	0	6.97	<=13	Pass

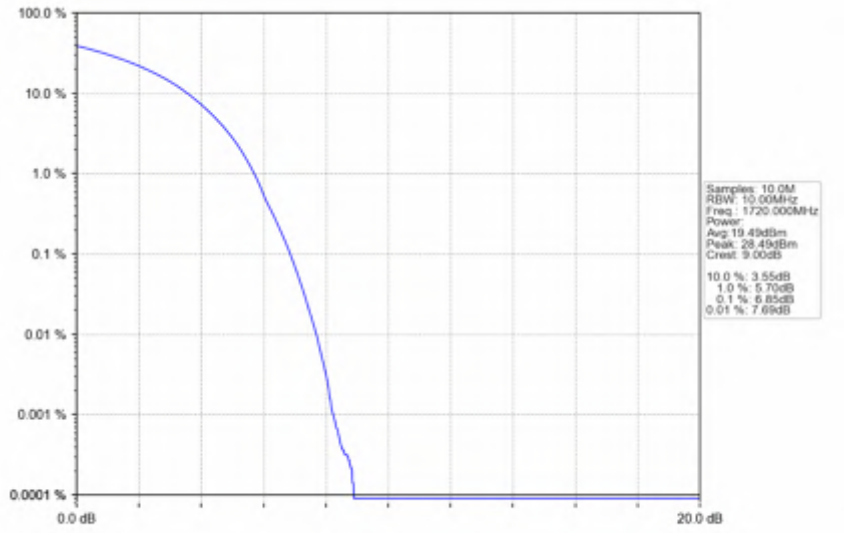
5.6.2 Test Graph

Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV


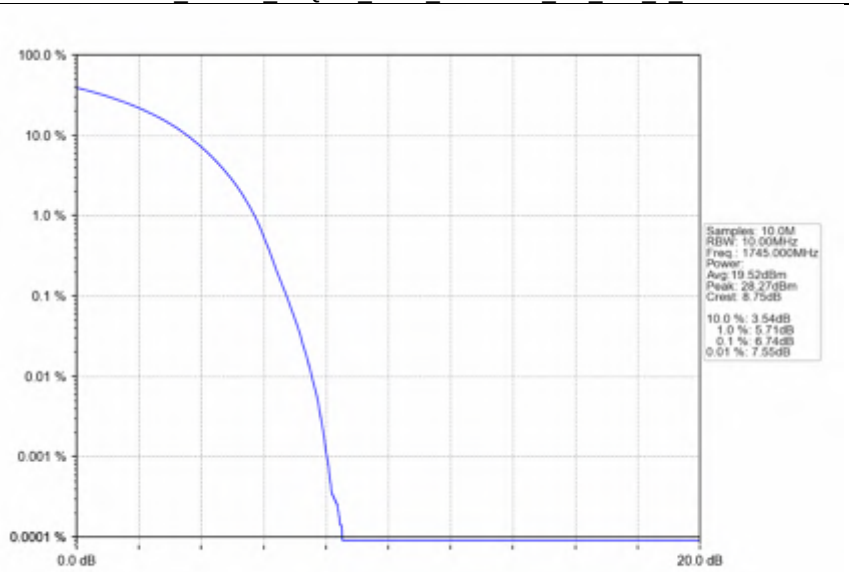
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



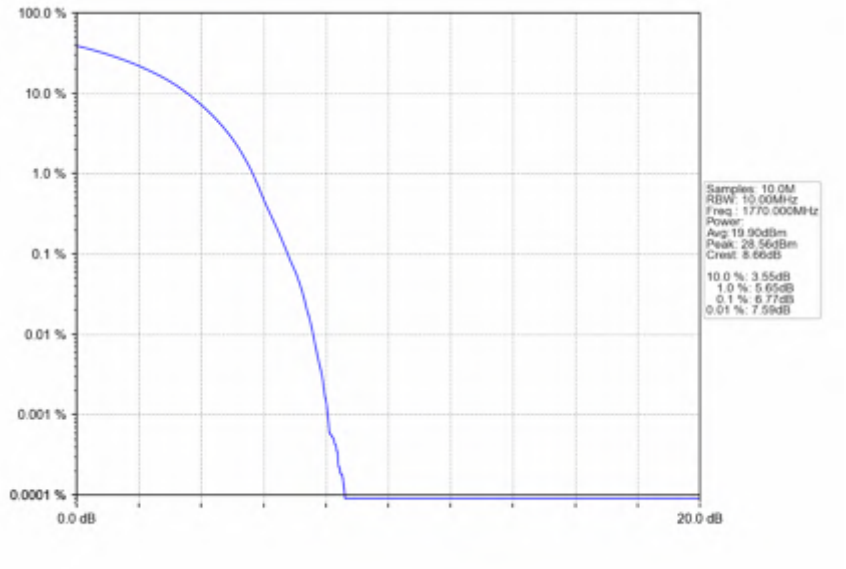
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



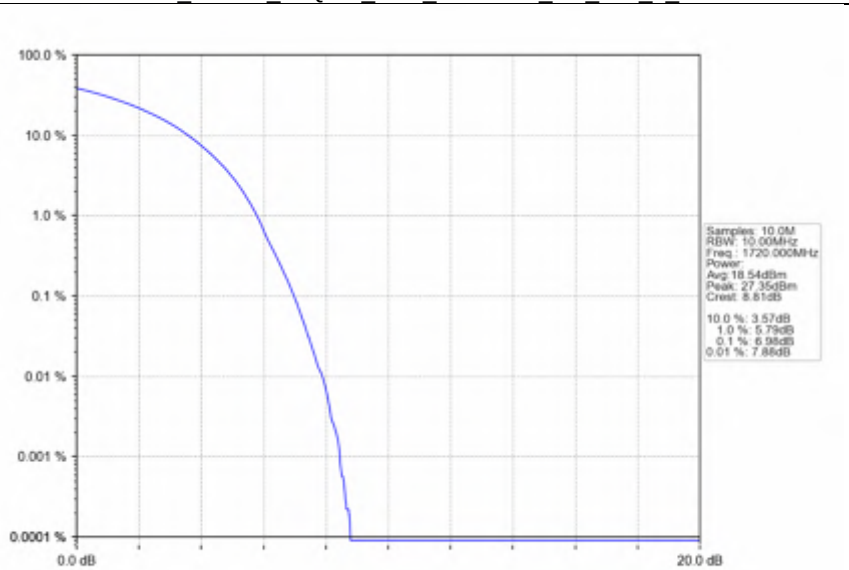
Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



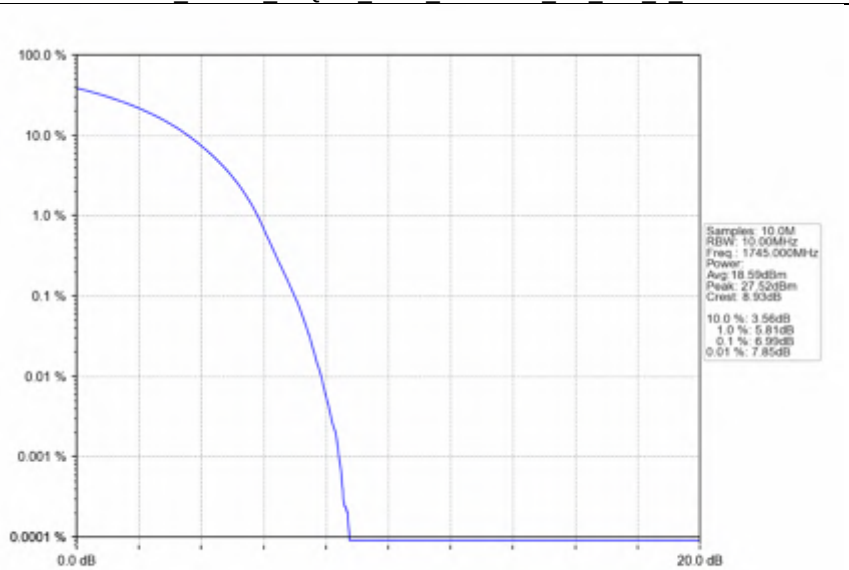
Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



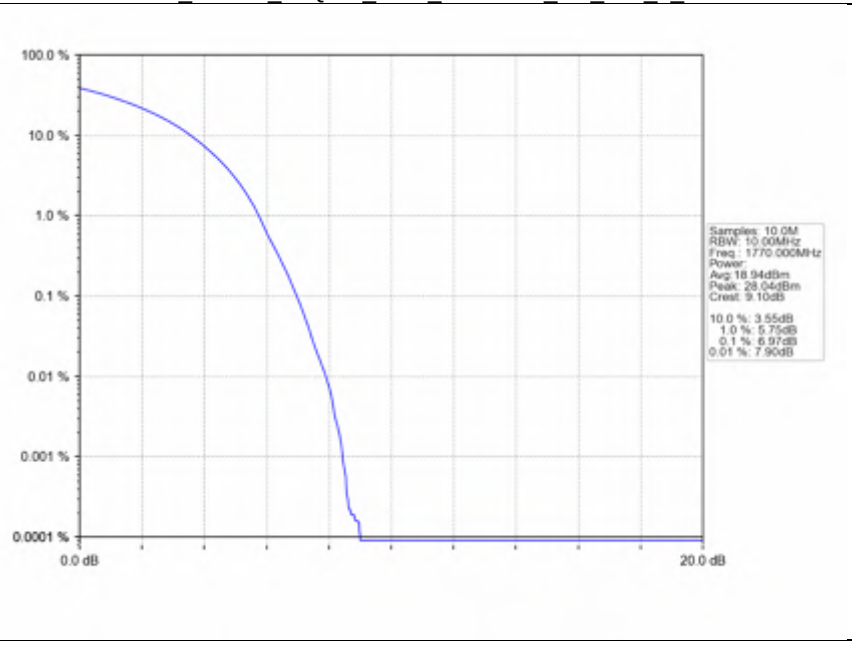
Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV



6. Spurious Emission

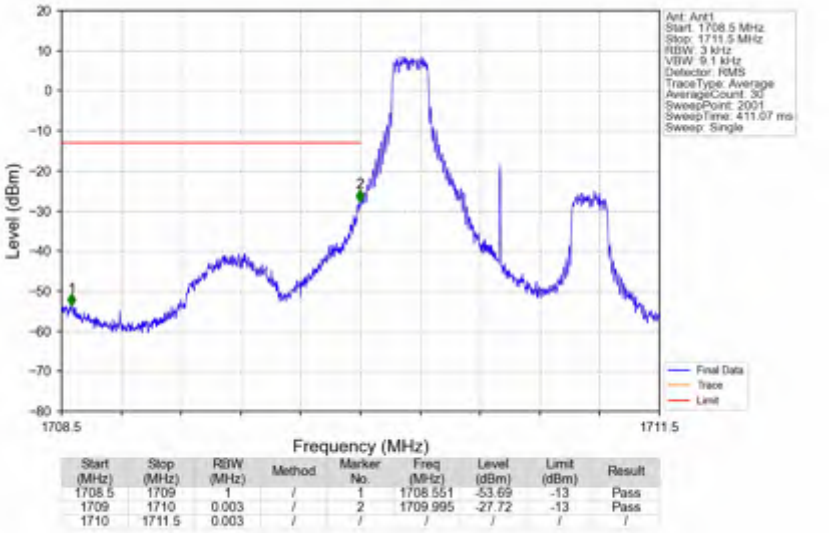
6.1 B66_1.4MHz

6.1.1 Test Result

Band: 66 / 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
	1745	1	0	Refer To Test Graph		Pass
	1779.3	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
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
64QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

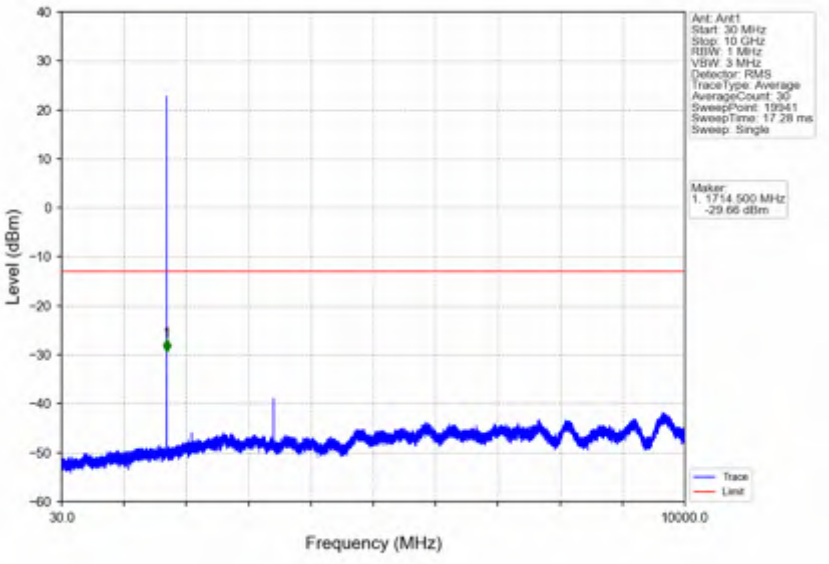
6.1.2 Test Graph

Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

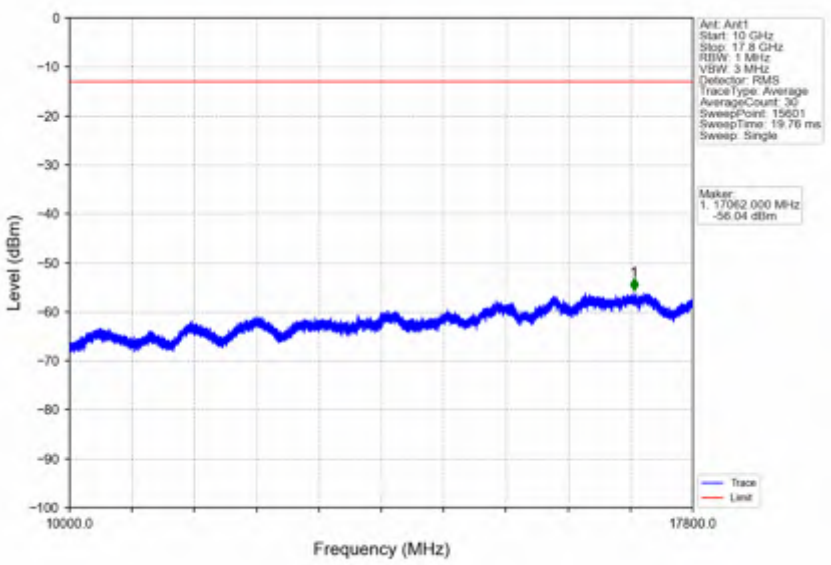


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.551	-53.69	-13	Pass
1709	1710	0.003	/	2	1709.995	-27.72	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

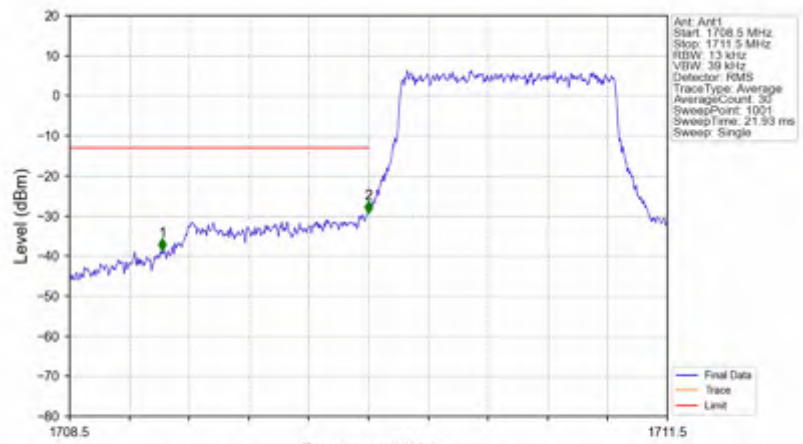
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

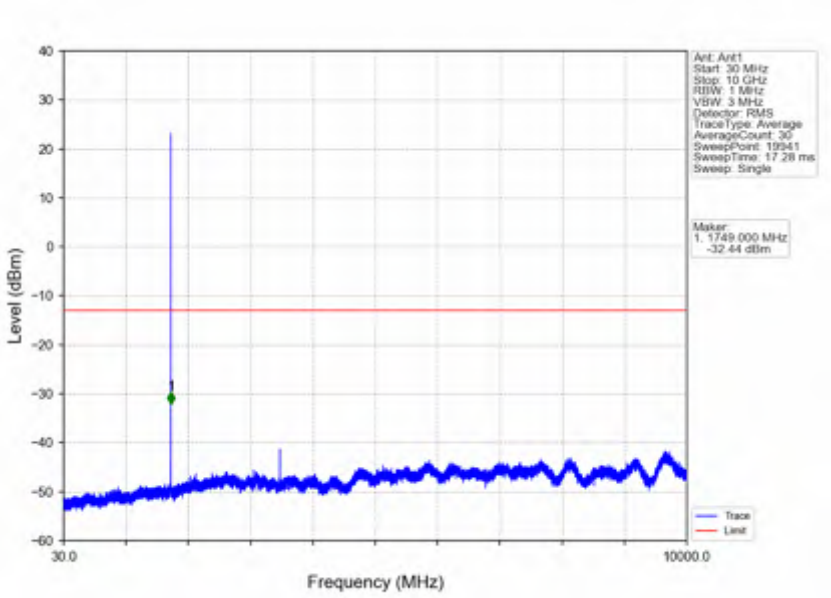


Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

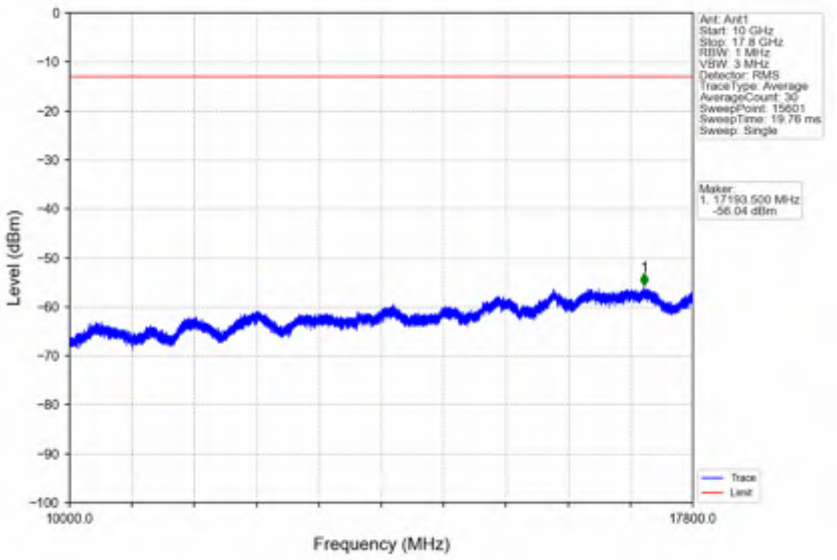


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.965	-38.65	-13	Pass
1709	1710	0.013	/	2	1710.000	-29.29	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

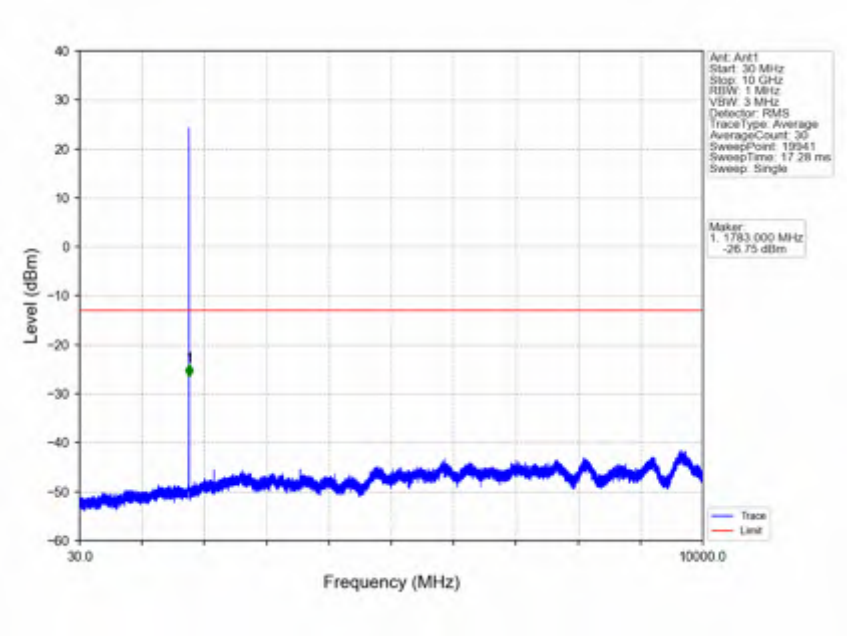
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



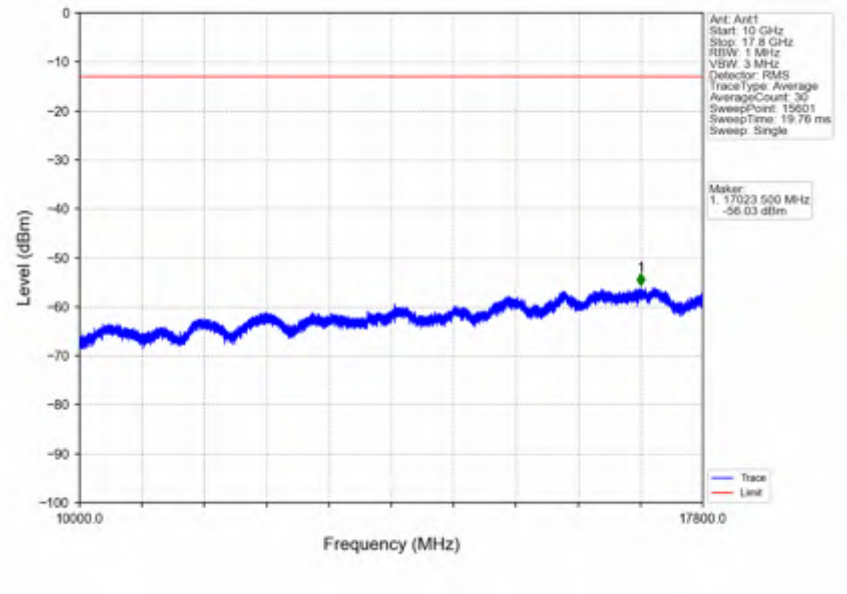
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



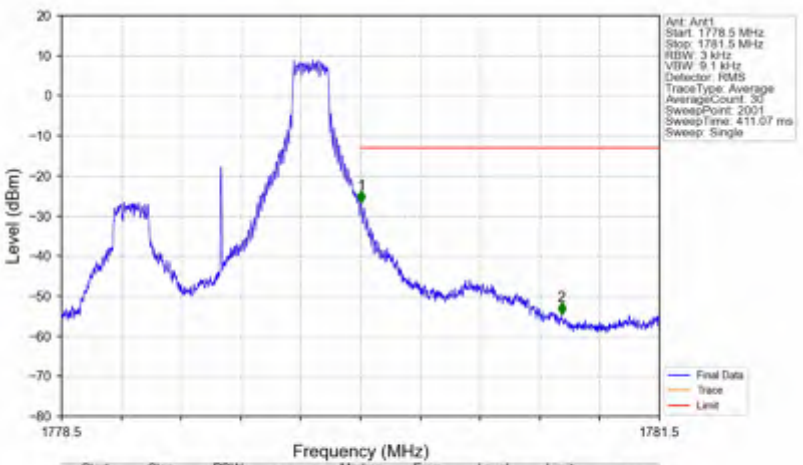
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV



Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV

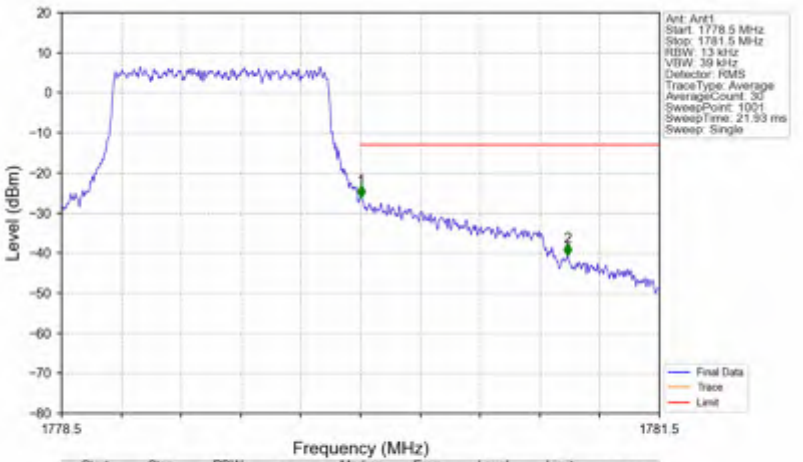


Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_5_NTNV



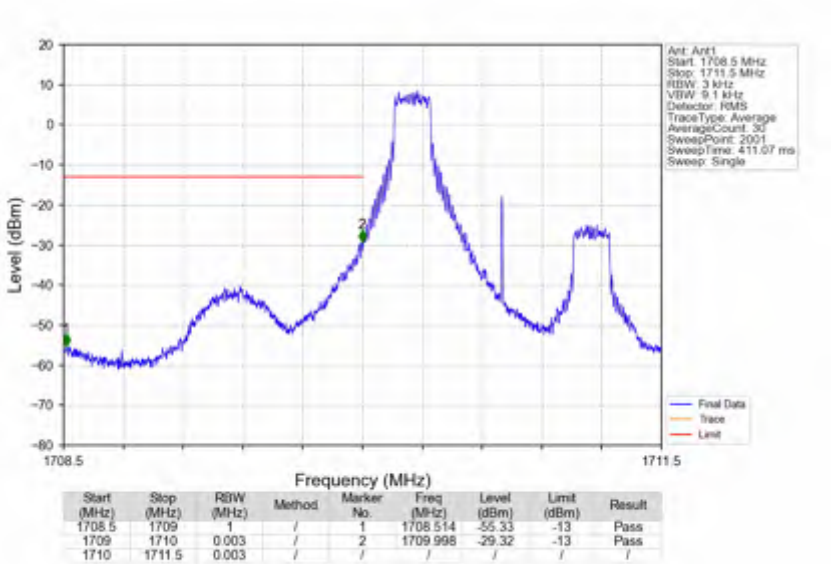
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.005	-26.77	-13	Pass
1781	1781.5	1	/	2	1781.009	-54.59	-13	Pass

Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



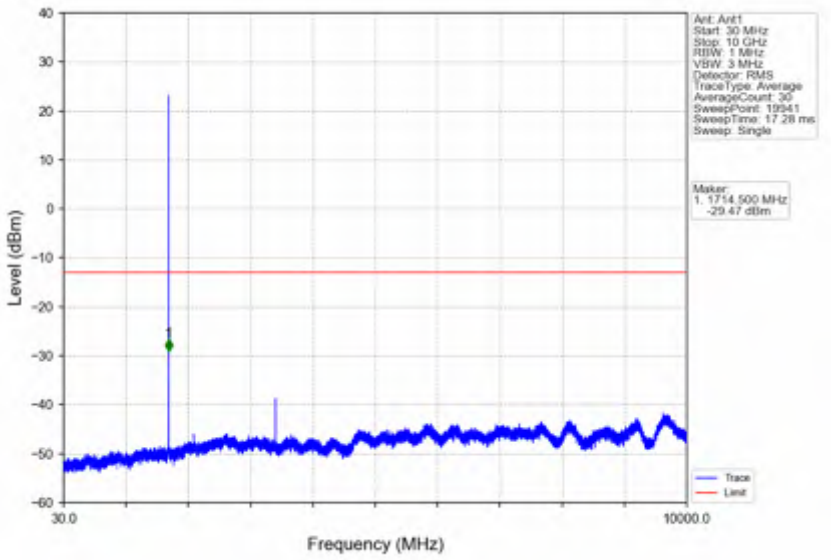
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.013	/	/	/	/	/	/
1780	1781	0.013	/	1	1780.003	-26.20	-13	Pass
1781	1781.5	1	/	2	1781.038	-40.65	-13	Pass

Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

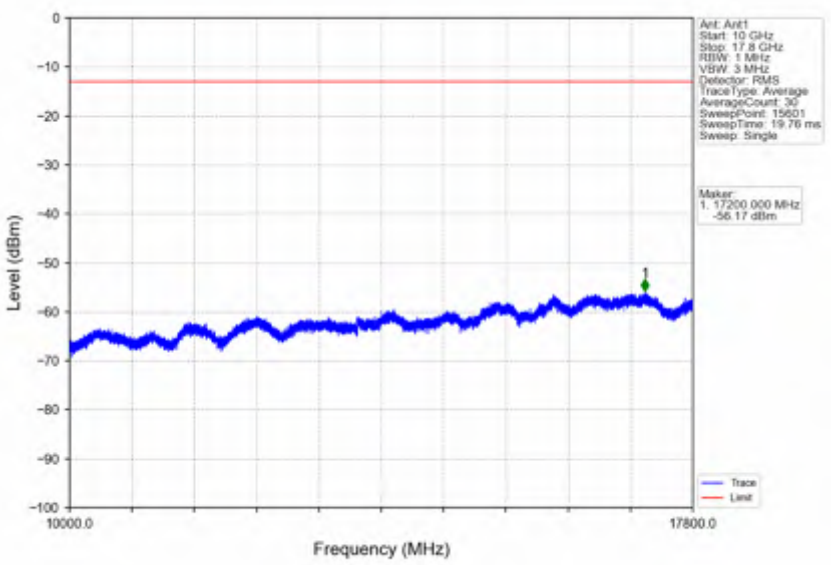


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.514	-55.33	-13	Pass
1709	1710	0.003	/	2	1709.998	-29.32	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

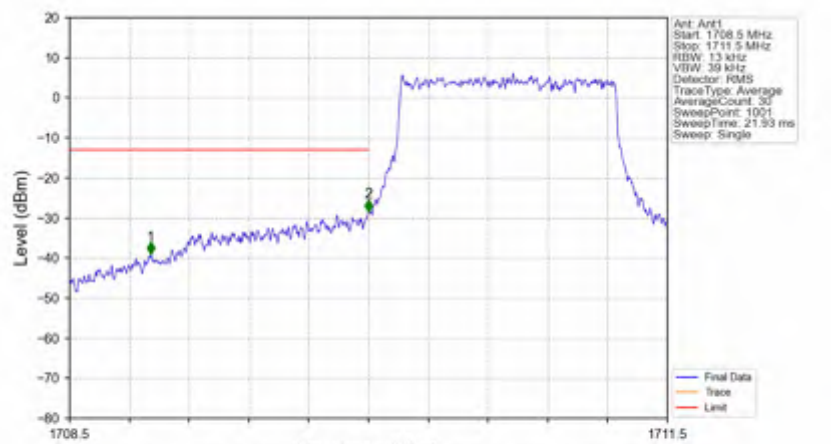
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

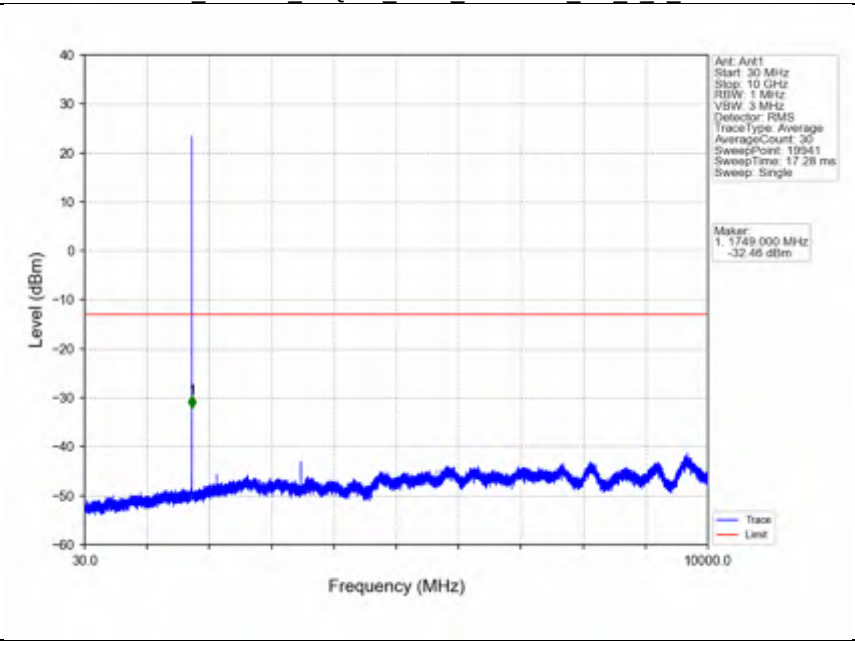


Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

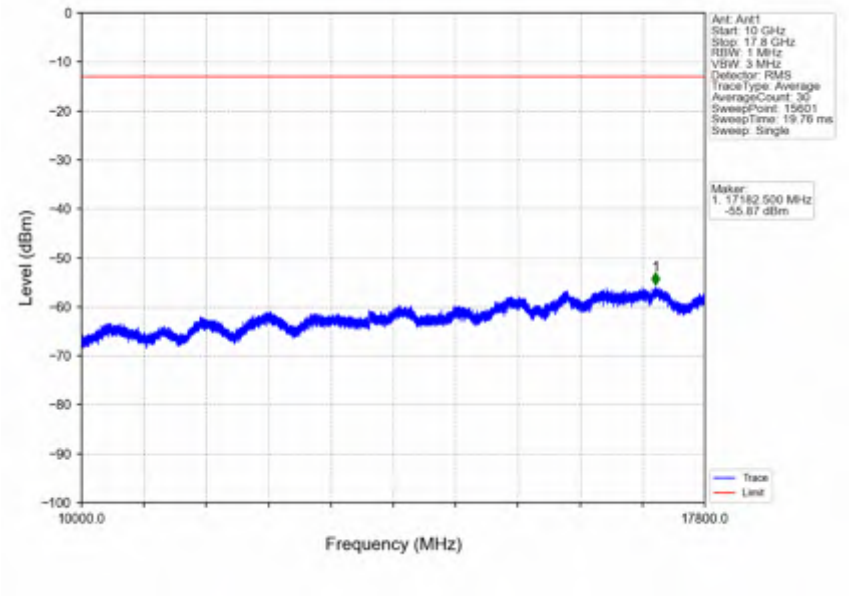


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.908	-39.10	-13	Pass
1709	1710	0.013	/	2	1710.000	-28.42	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

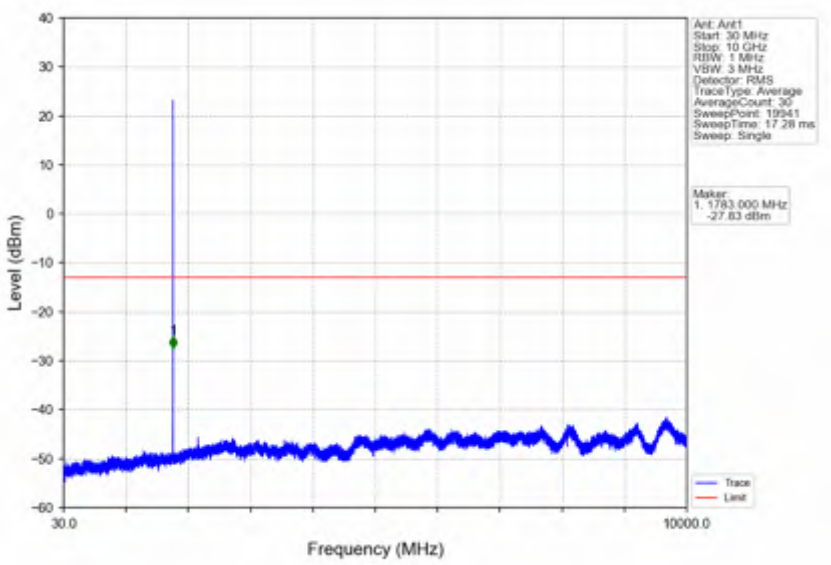
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



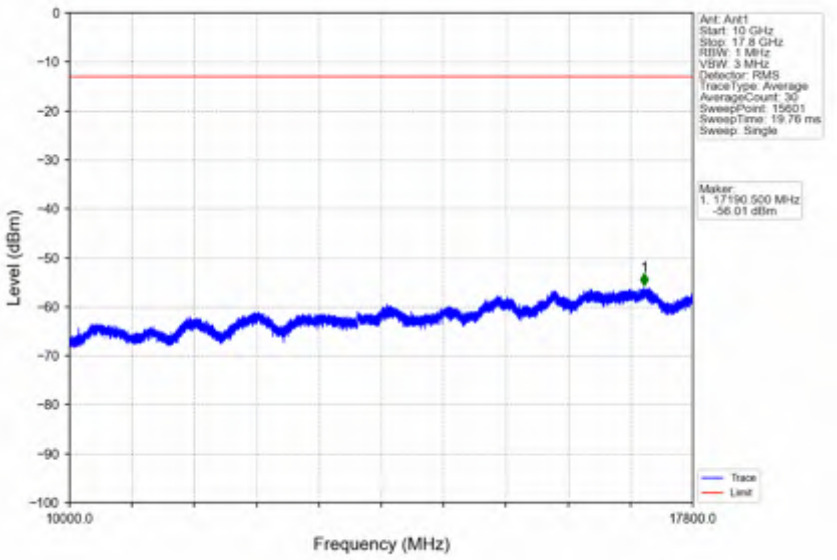
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



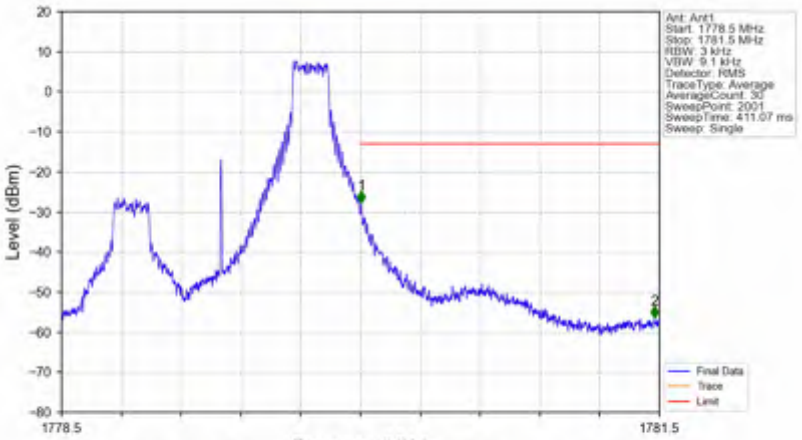
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV



Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_0_NTNV

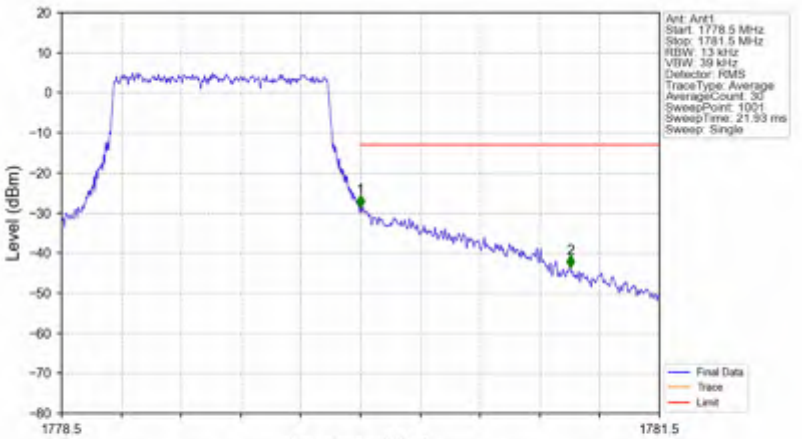


Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_1_5_NTNV



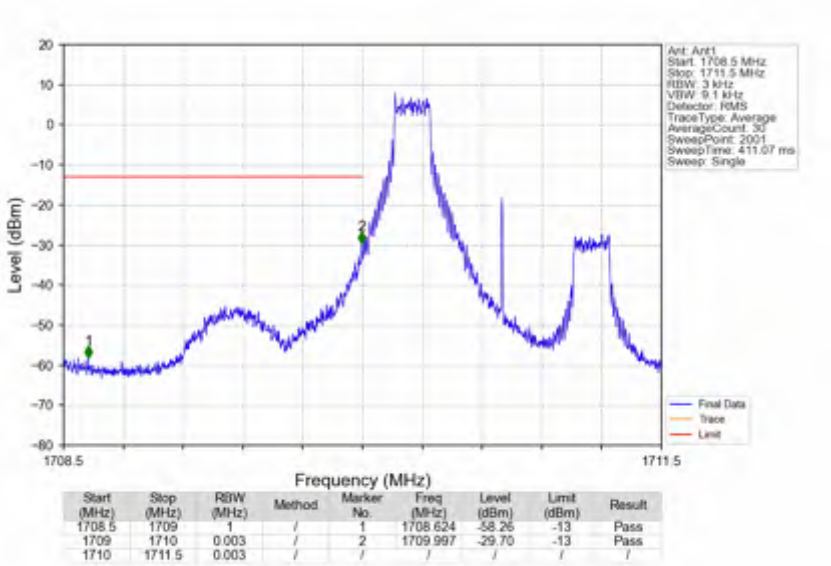
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.005	-27.74	-13	Pass
1781	1781.5	1	/	2	1781.475	-56.61	-13	Pass

Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



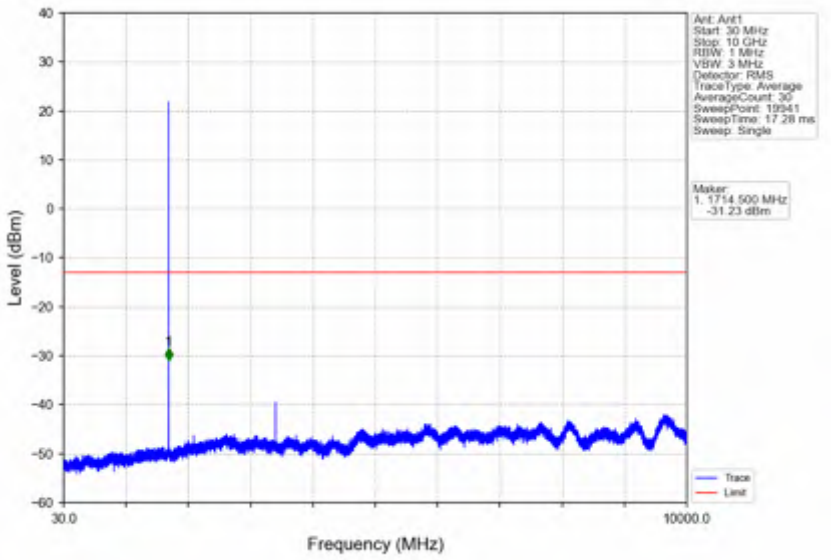
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.013	/	/	/	/	/	/
1780	1781	0.013	/	1	1780.000	-28.61	-13	Pass
1781	1781.5	1	/	2	1781.053	-43.64	-13	Pass

Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV

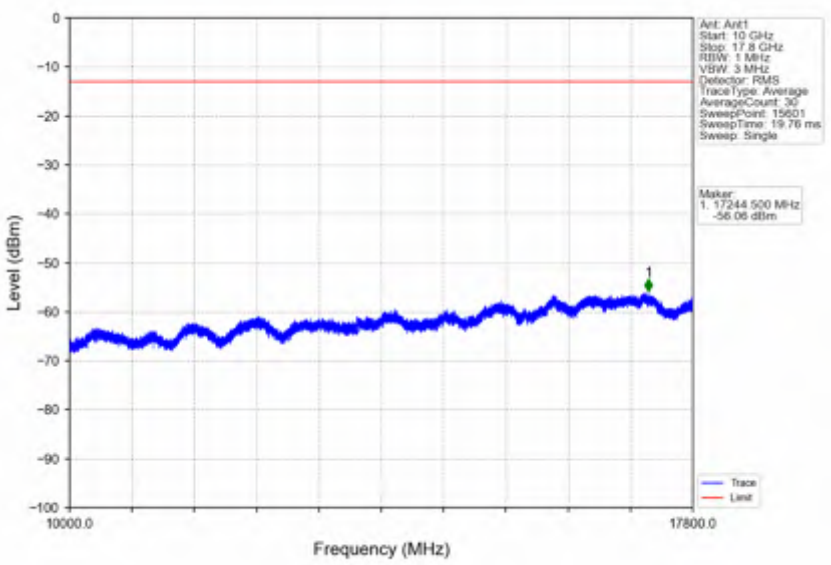


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.624	-58.26	-13	Pass
1709	1710	0.003	/	2	1709.997	-29.70	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

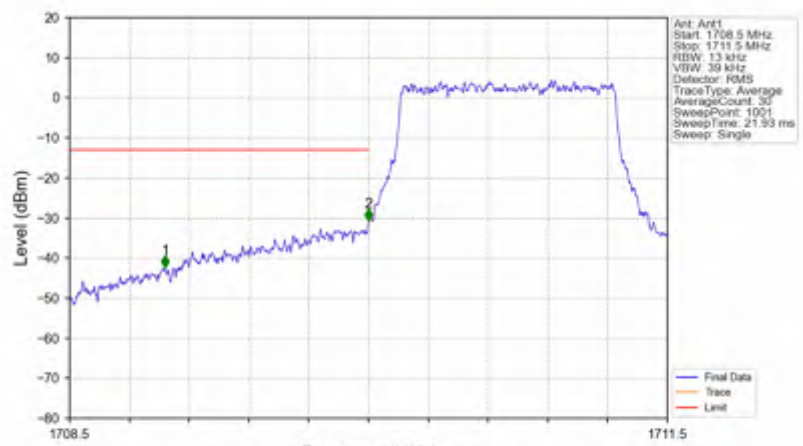
Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_1_0_NTNV

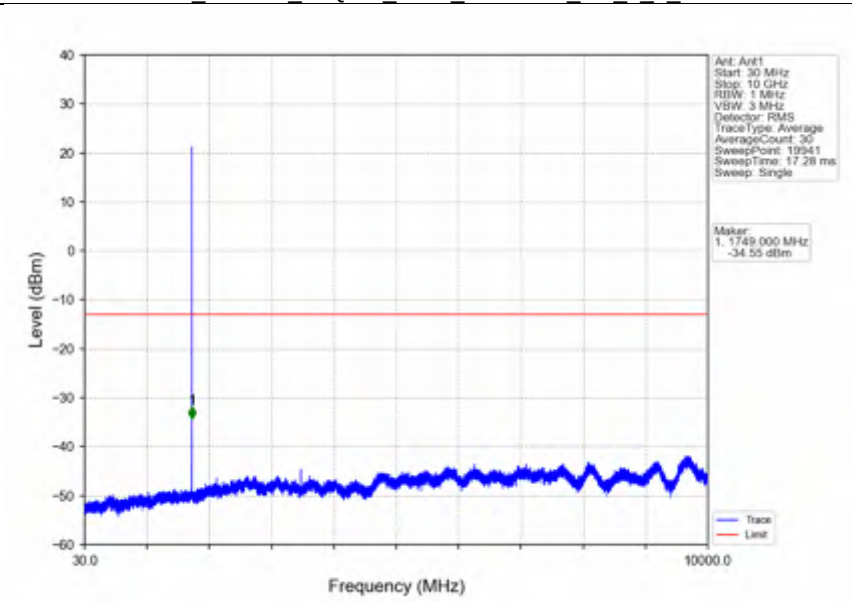


Band66_1.4MHz_64QAM_LCH_1710.7MHz_RB_6_0_NTNV

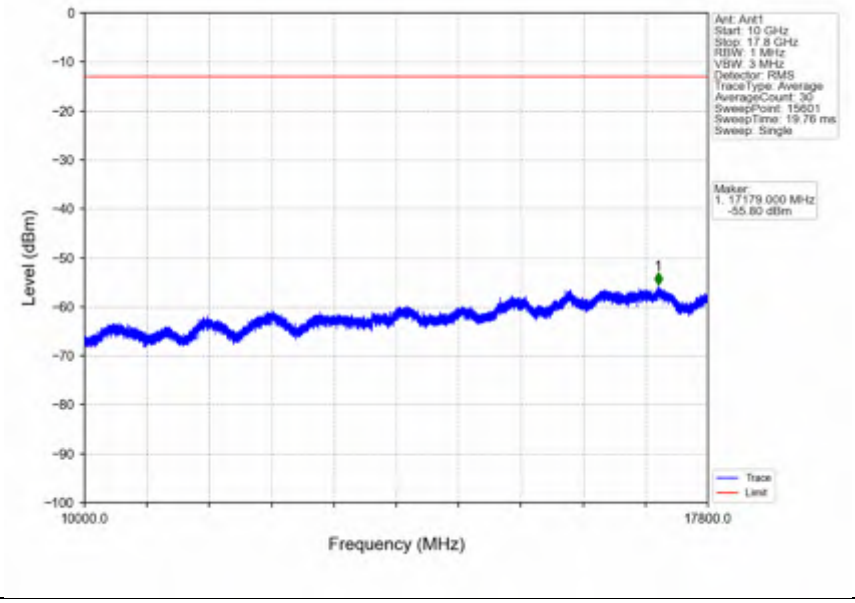


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.980	-42.41	-13	Pass
1709	1710	0.013	/	2	1710.000	-30.83	-13	Pass
1710	1711.5	0.013	/	/	/	/	/	/

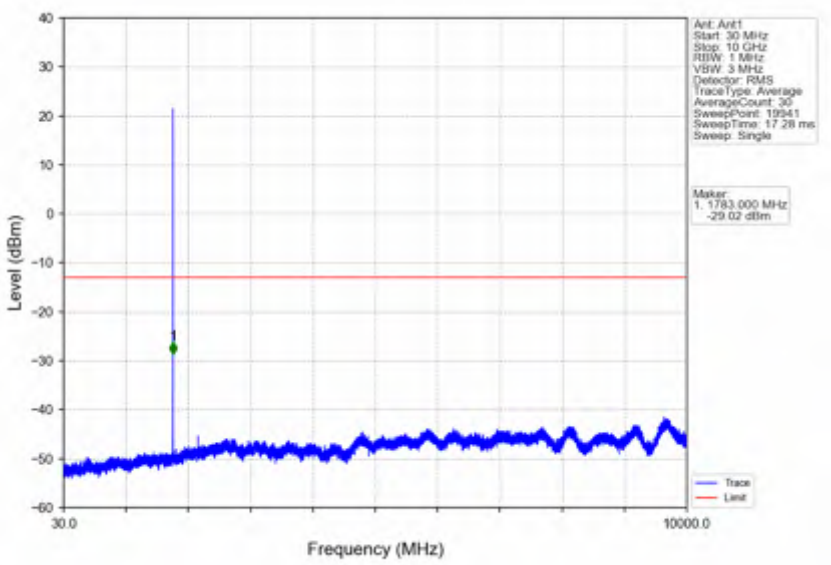
Band66_1.4MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



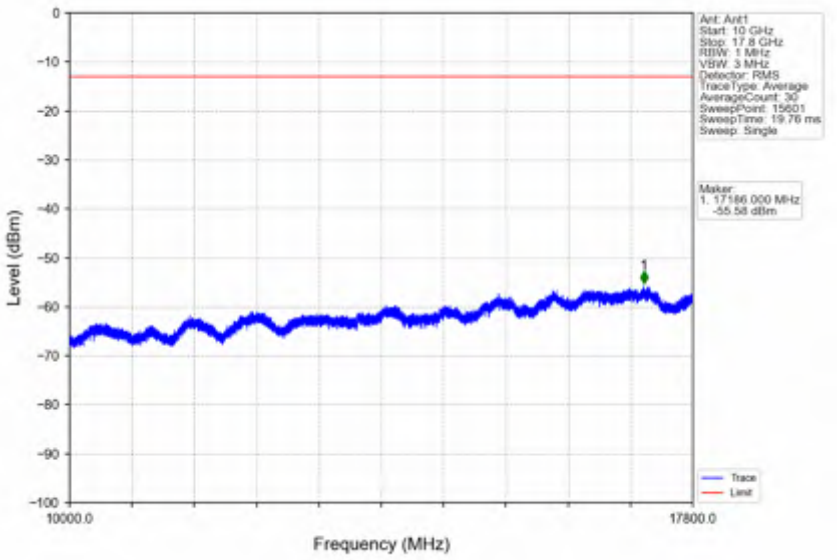
Band66_1.4MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



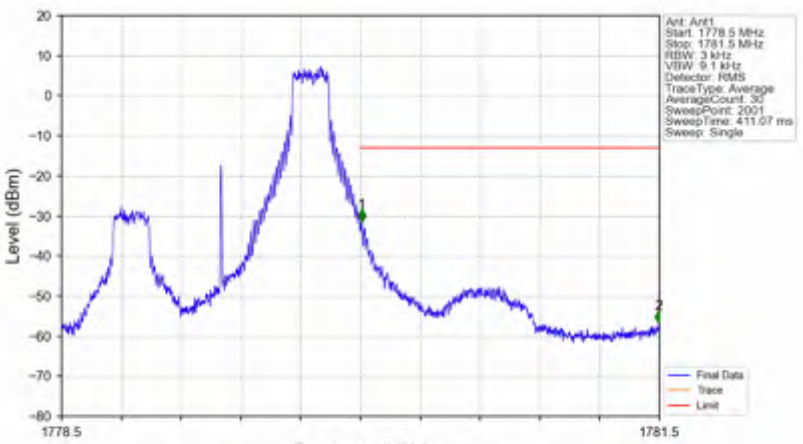
Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_1_0_NTNV



Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_1_0_NTNV

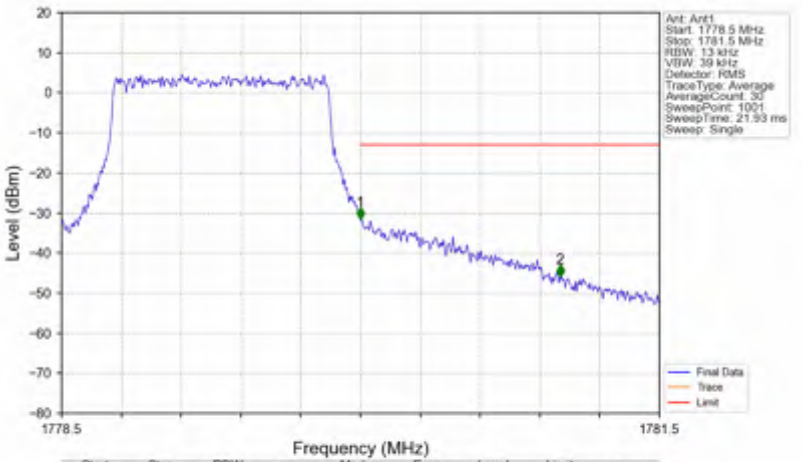


Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.006	-31.45	-13	Pass
1781	1781.5	1	/	2	1781.495	-56.68	-13	Pass

Band66_1.4MHz_64QAM_HCH_1779.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.013	/	/	/	/	/	/
1780	1781	0.013	/	1	1780.000	-31.64	-13	Pass
1781	1781.5	1	/	2	1781.002	-46.03	-13	Pass

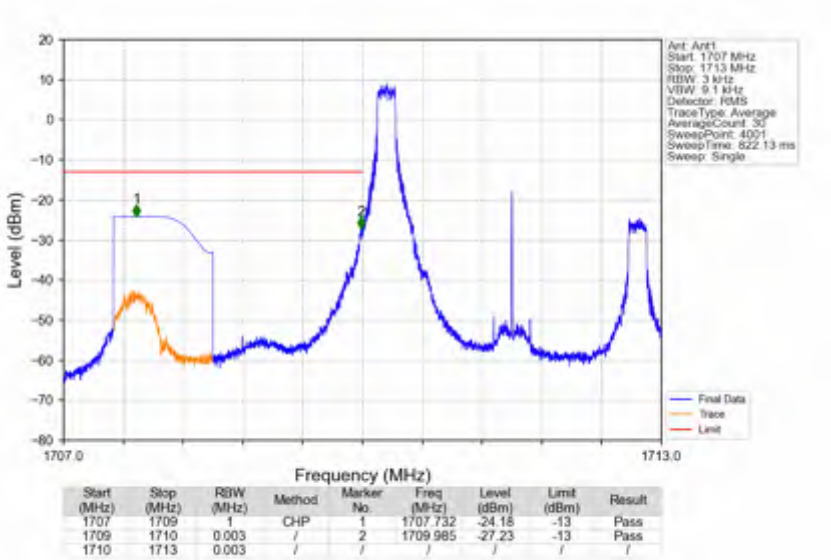
6.2 B66_3MHz

6.2.1 Test Result

Band: 66 / 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
	1745	1	0	Refer To Test Graph		Pass
	1778.5	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
	1745	1	0	Refer To Test Graph		Pass
	1778.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
64QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1778.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

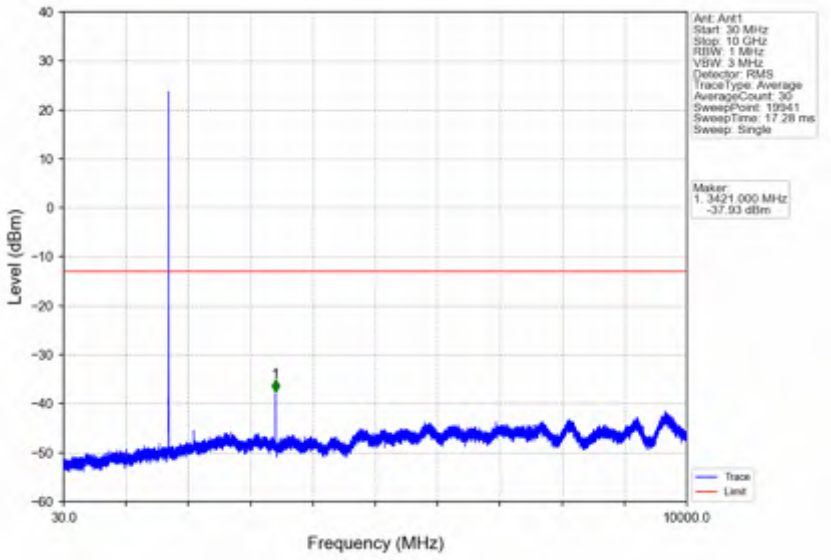
6.2.2 Test Graph

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

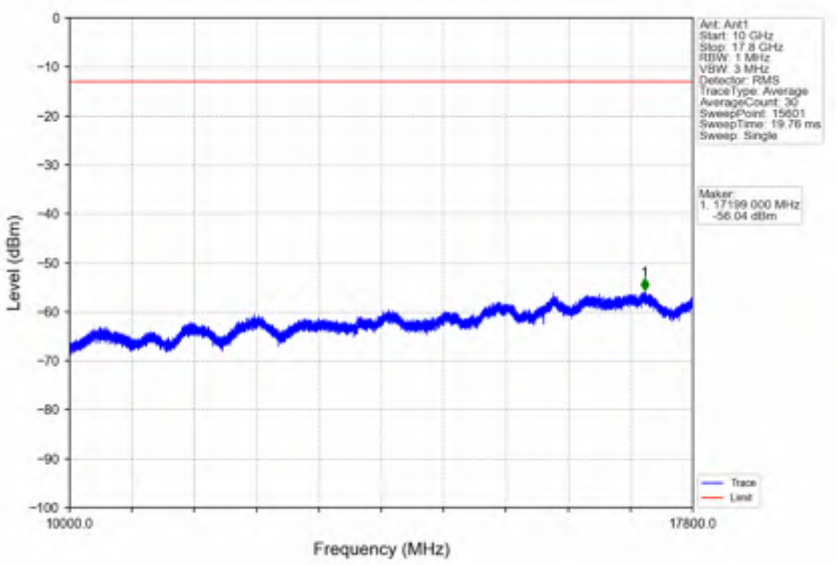


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.732	-24.18	-13	Pass
1709	1710	0.003	/	2	1709.985	-27.23	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

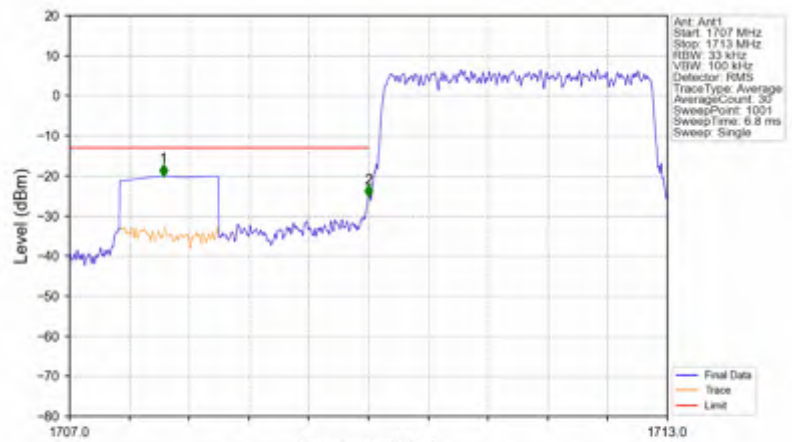
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

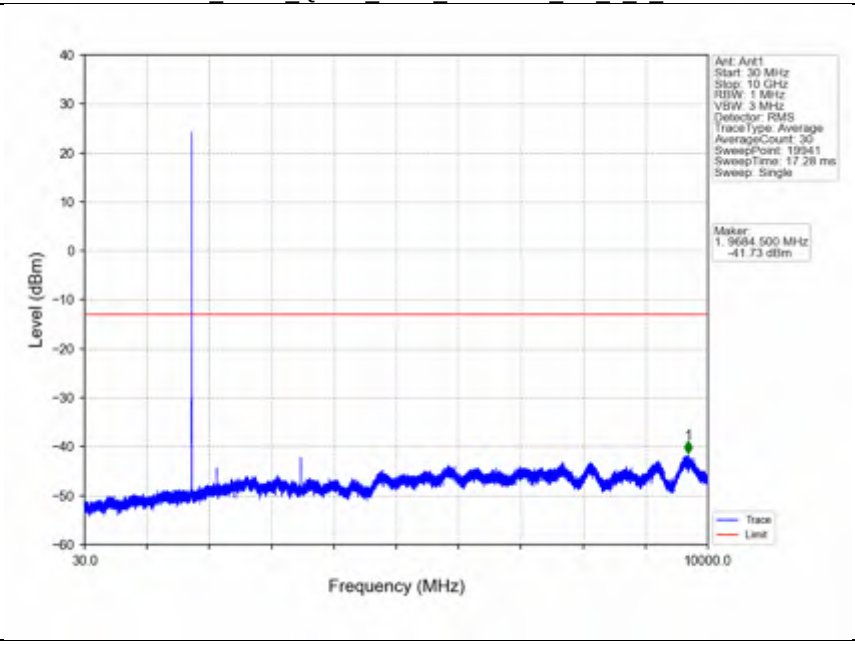


Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

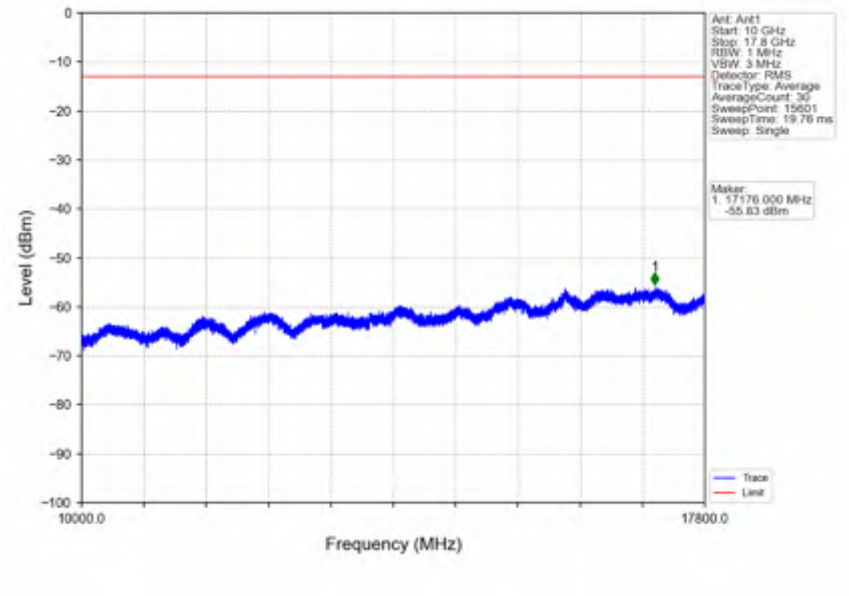


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.942	-20.12	-13	Pass
1709	1710	0.033	/	2	1710.000	-25.41	-13	Pass
1710	1713	0.033	/	/	/	/	/	/

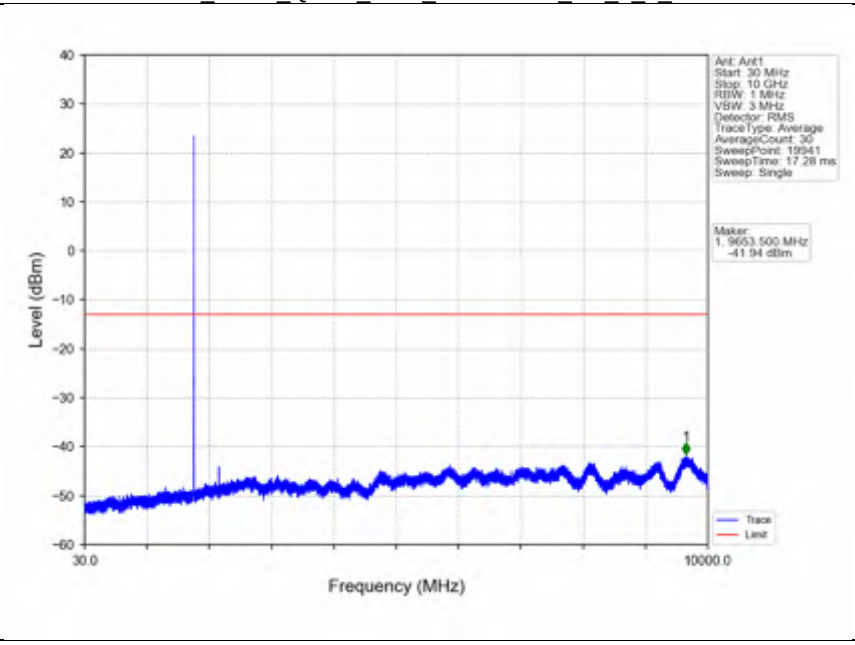
Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



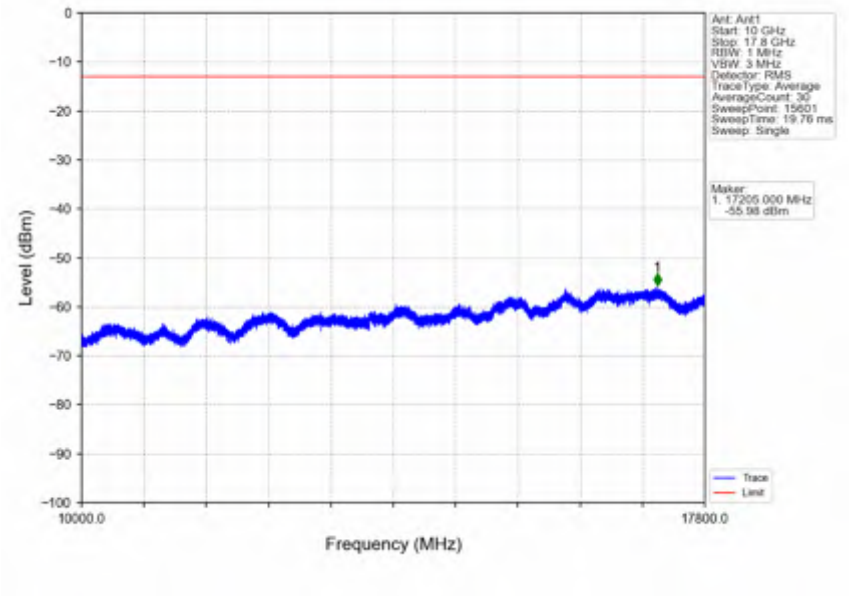
Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



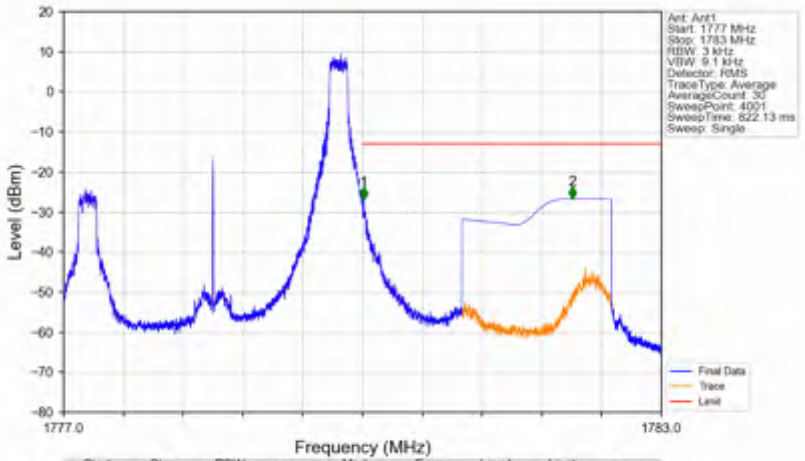
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV



Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV

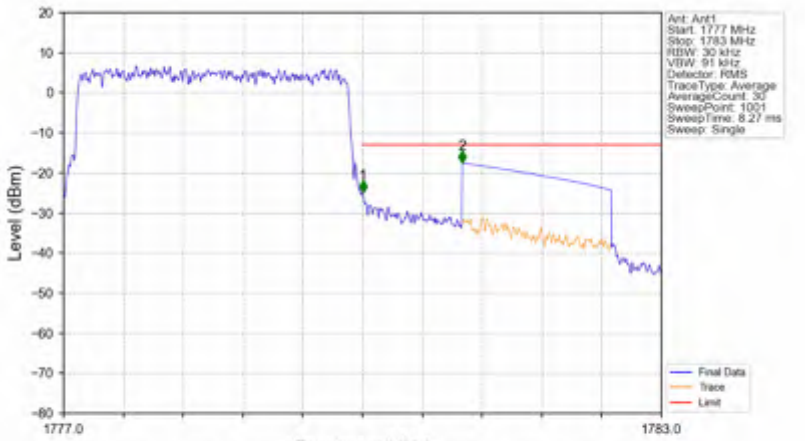


Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_14_NTNV



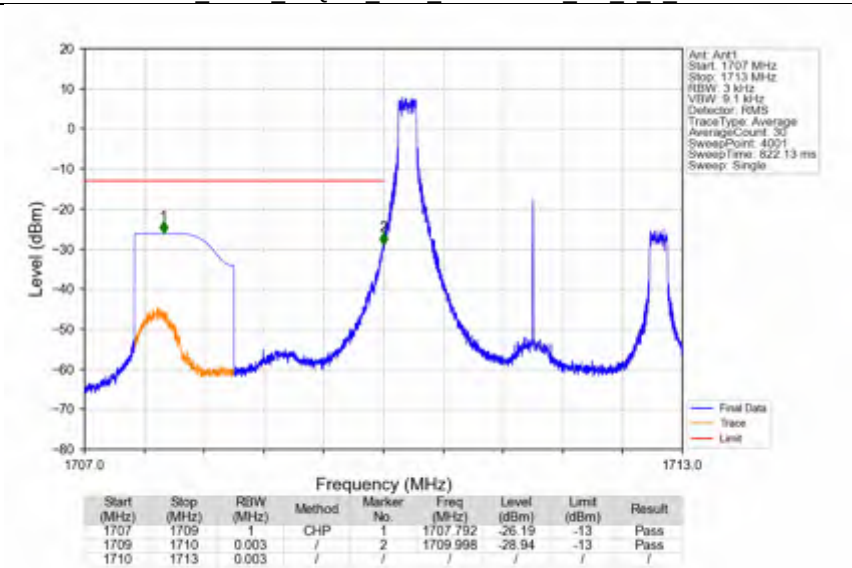
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.012	-26.95	-13	Pass
1781	1783	1	CHP	2	1782.104	-26.70	-13	Pass

Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



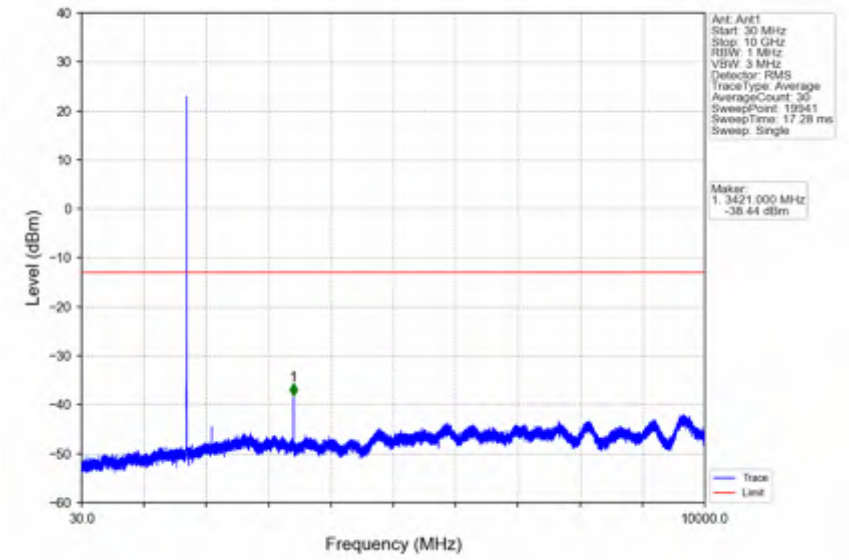
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.03	/	/	/	/	/	/
1780	1781	0.03	/	1	1780.006	-25.00	-13	Pass
1781	1783	1	CHP	2	1781.002	-17.57	-13	Pass

Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

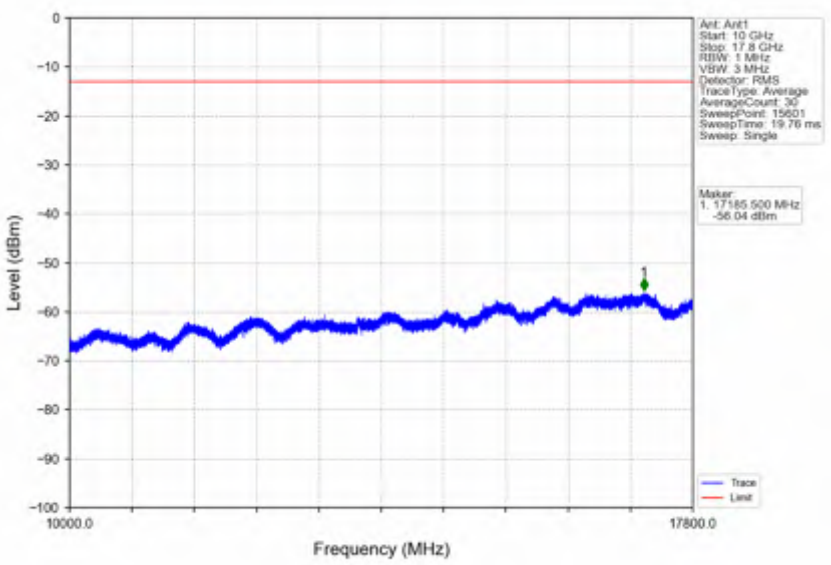


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.792	-26.19	-13	Pass
1709	1710	0.003	/	2	1709.998	-28.94	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

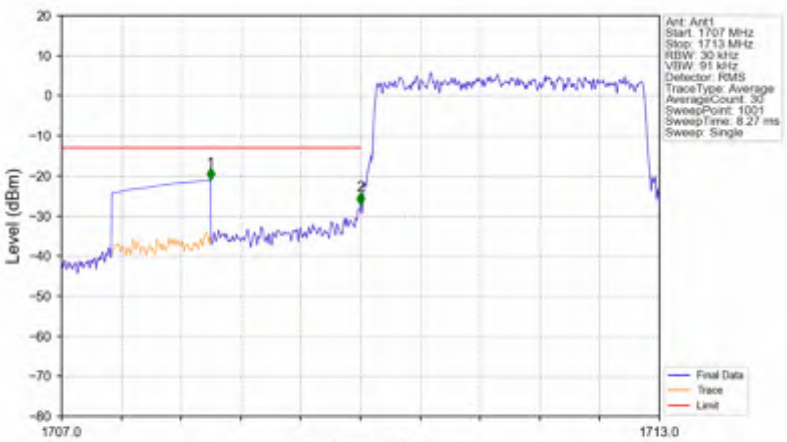
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band66_3MHz_16QAM_LCH_1711.5MHz_RB_1_0_NTNV

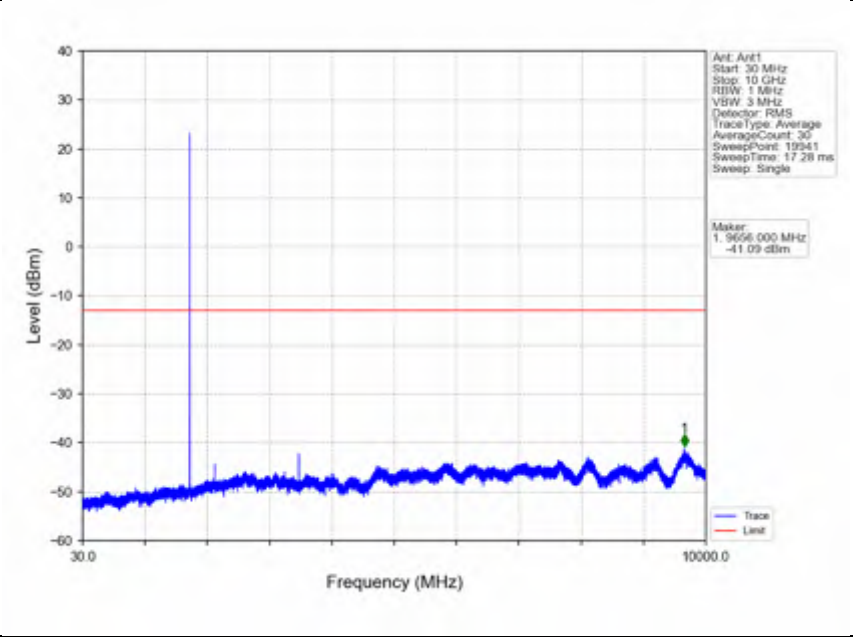


Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

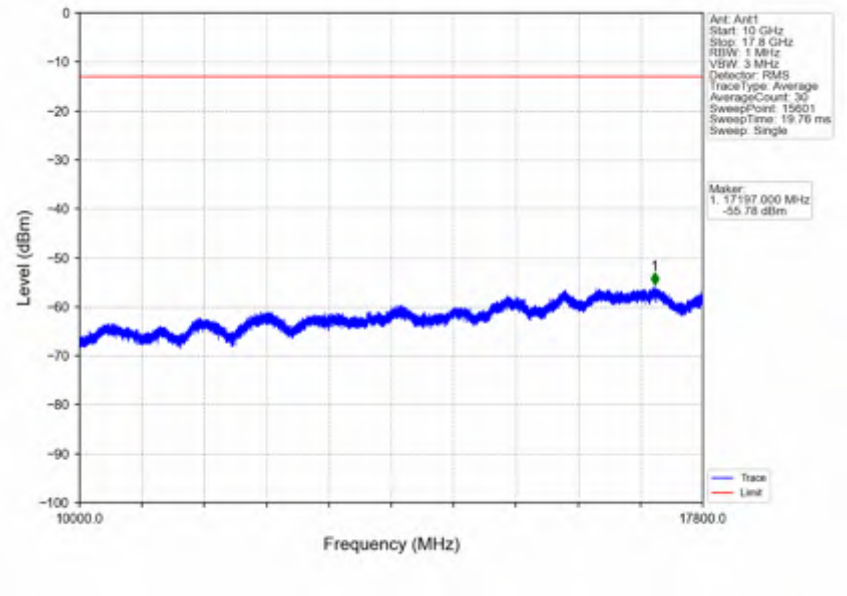


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-21.08	-13	Pass
1709	1710	0.03	/	2	1710.000	-27.18	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

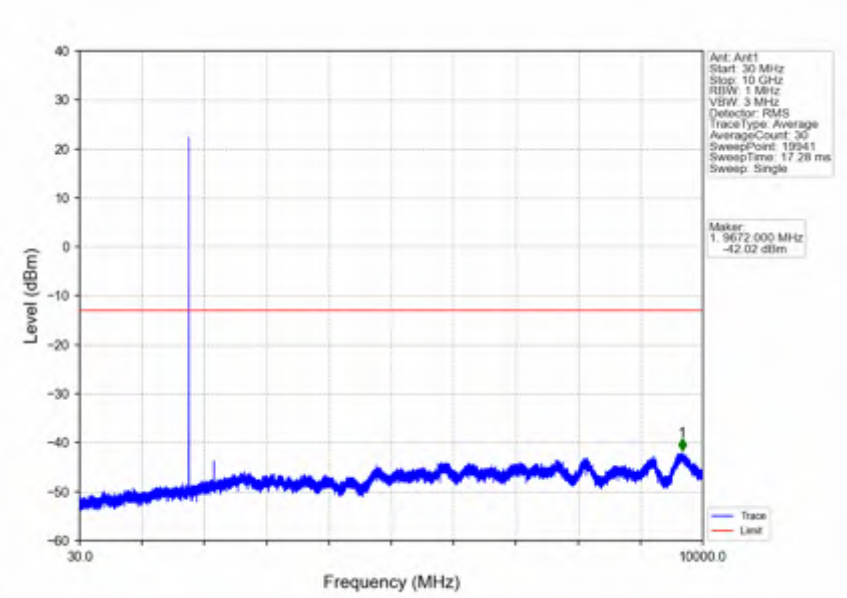
Band66_3MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



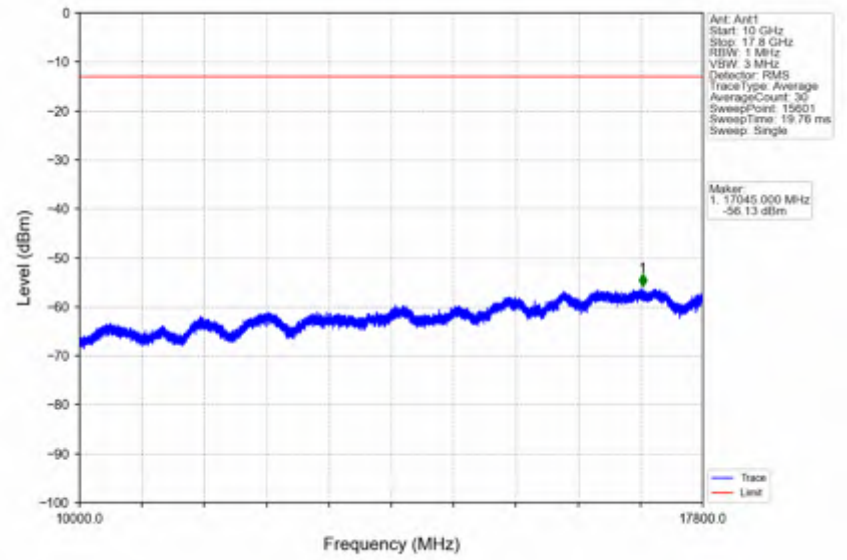
Band66_3MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



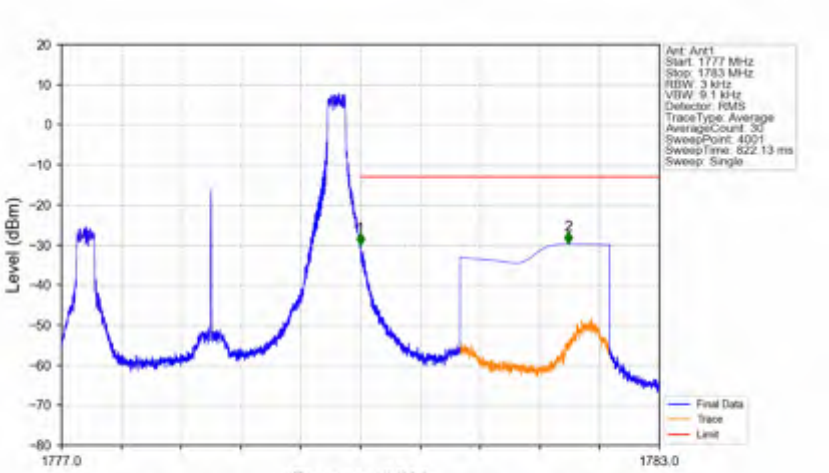
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_0_NTNV



Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_0_NTNV

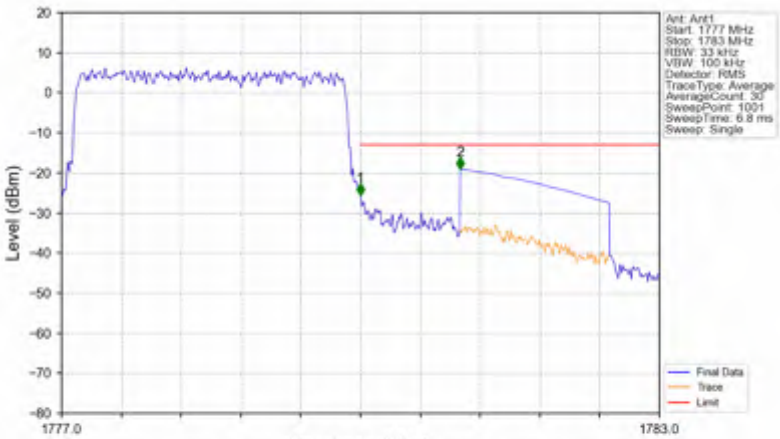


Band66_3MHz_16QAM_HCH_1778.5MHz_RB_1_14_NTNV



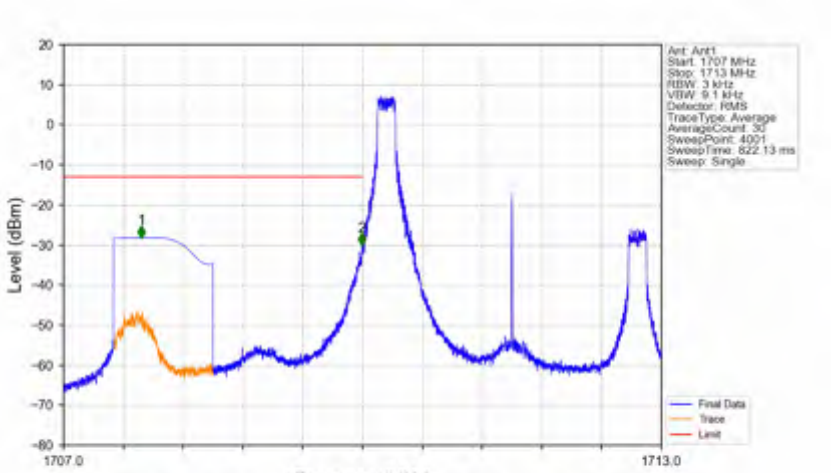
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.000	-30.17	-13	Pass
1781	1783	1	CHP	2	1782.083	-29.79	-13	Pass

Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



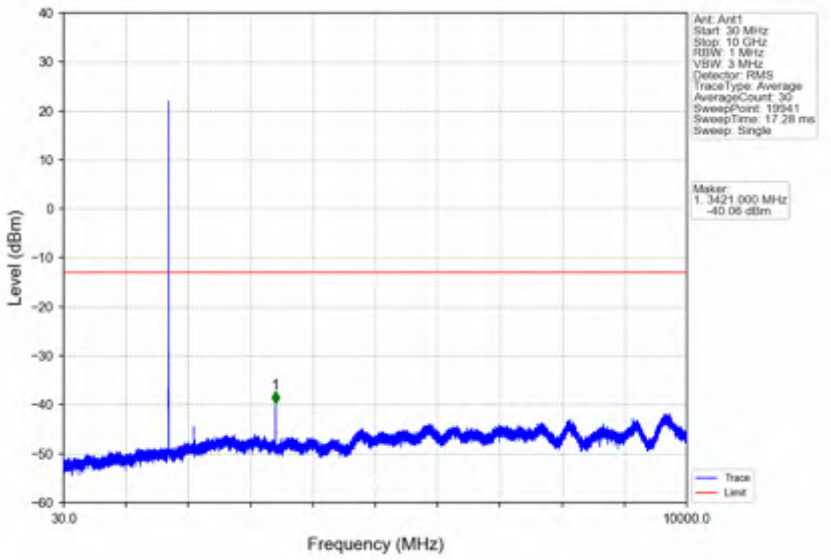
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.033	/	/	/	/	/	/
1780	1781	0.033	/	1	1780.000	-25.69	-13	Pass
1781	1783	1	CHP	2	1781.002	-19.15	-13	Pass

Band66_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV

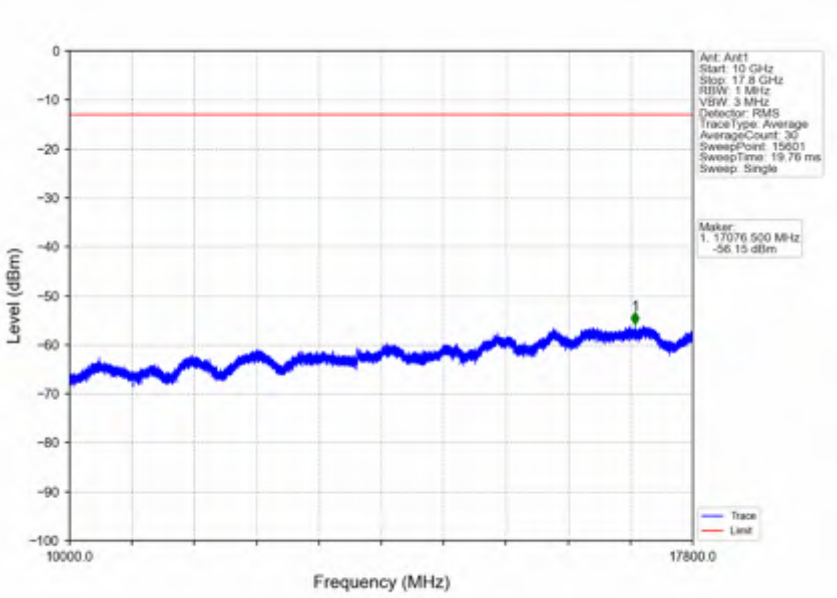


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1707.783	-28.25	-13	Pass
1709	1710	0.003	/	2	1709.995	-30.13	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

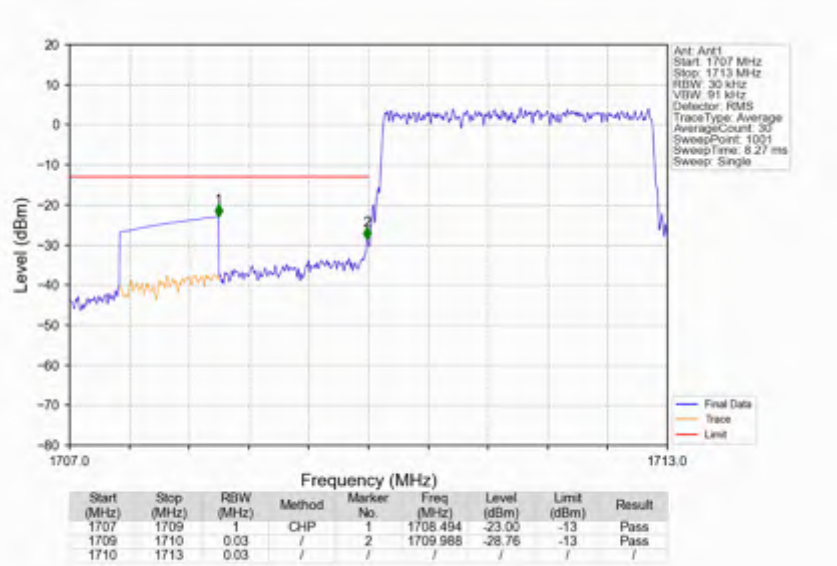
Band66_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV



Band66_3MHz_64QAM_LCH_1711.5MHz_RB_1_0_NTNV

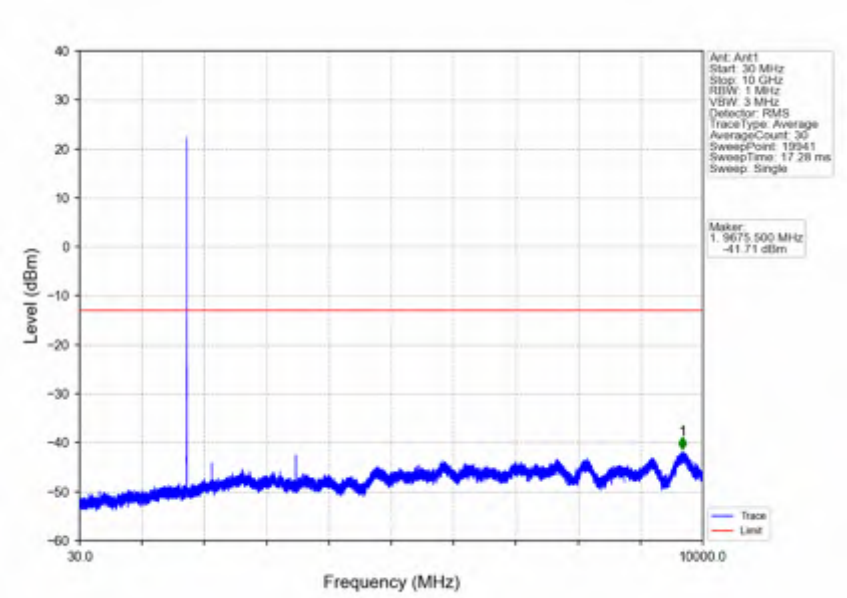


Band66_3MHz_64QAM_LCH_1711.5MHz_RB_15_0_NTNV

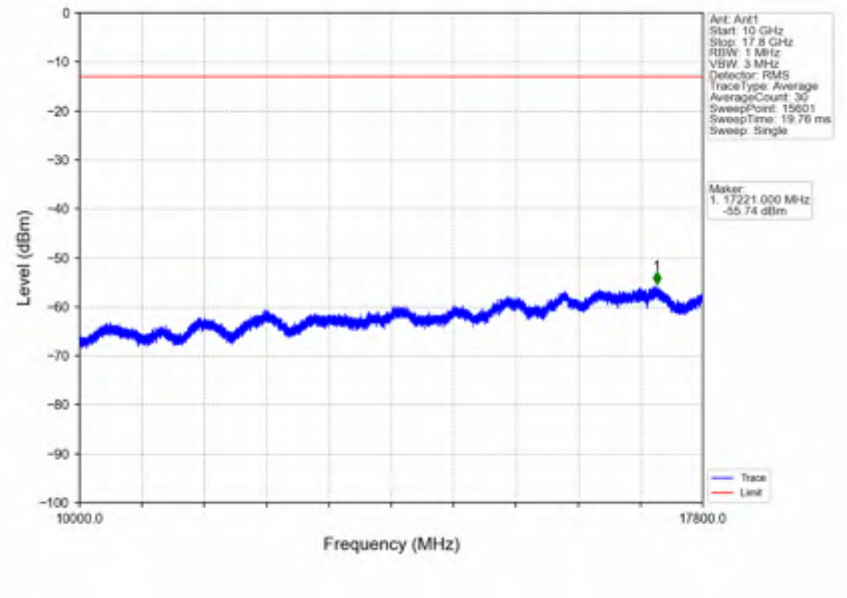


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-23.00	-13	Pass
1709	1710	0.03	/	2	1709.988	-28.76	-13	Pass
1710	1713	0.03	/	/	/	/	/	/

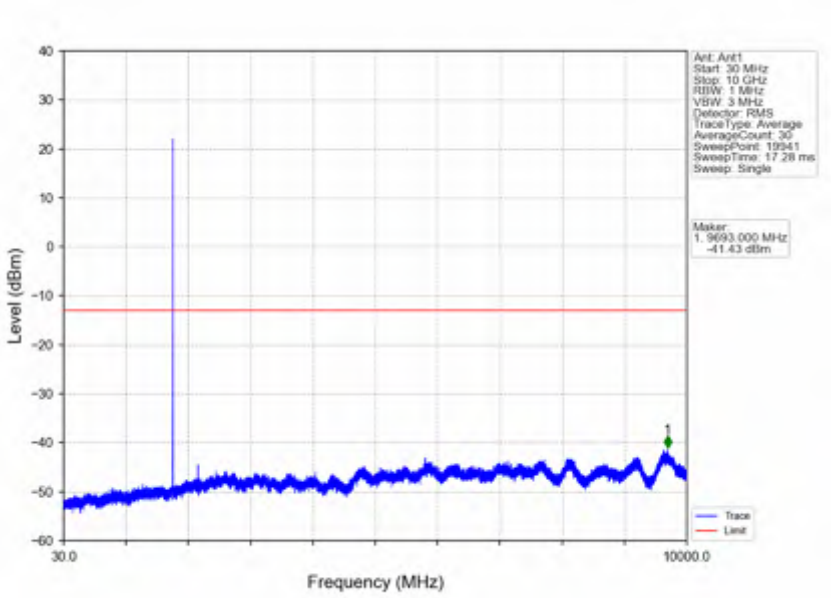
Band66_3MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



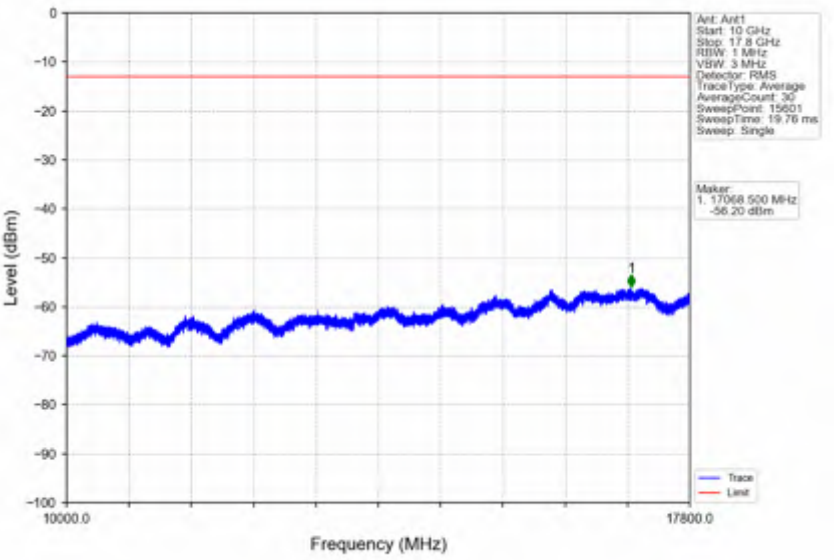
Band66_3MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



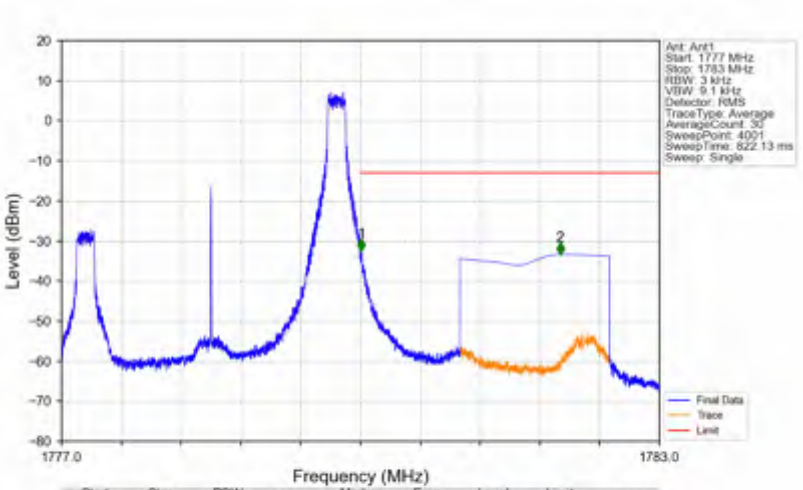
Band66_3MHz_64QAM_HCH_1778.5MHz_RB_1_0_NTNV



Band66_3MHz_64QAM_HCH_1778.5MHz_RB_1_0_NTNV

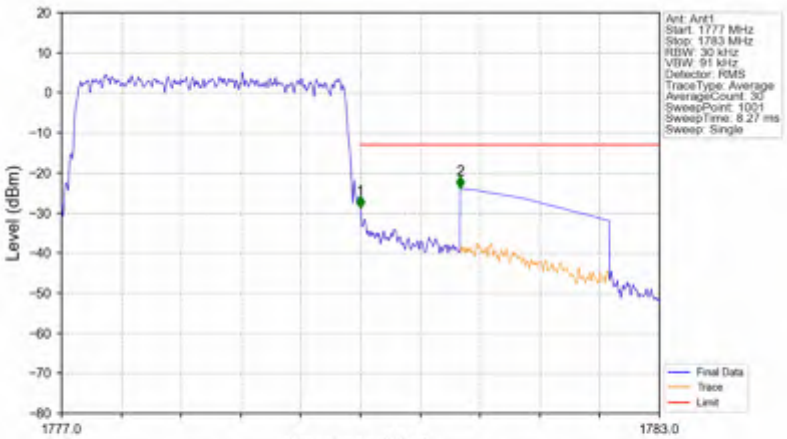


Band66_3MHz_64QAM_HCH_1778.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.011	-32.59	-13	Pass
1781	1783	1	CHP	2	1782.004	-33.41	-13	Pass

Band66_3MHz_64QAM_HCH_1778.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.03	/	/	/	/	/	/
1780	1781	0.03	/	1	1780.000	-28.82	-13	Pass
1781	1783	1	CHP	2	1781.002	-23.93	-13	Pass

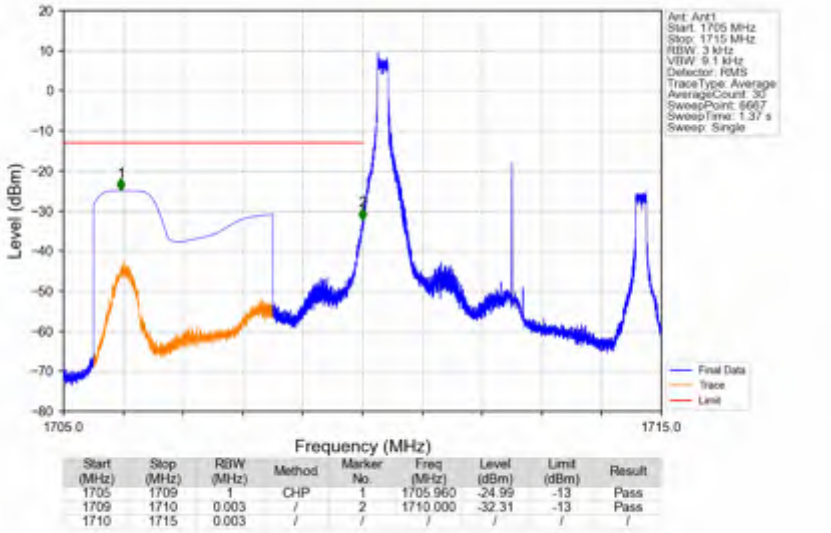
6.3 B66_5MHz

6.3.1 Test Result

Band: 66 / 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
	1745	1	0	Refer To Test Graph		Pass
	1777.5	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
	1745	1	0	Refer To Test Graph		Pass
	1777.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1777.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

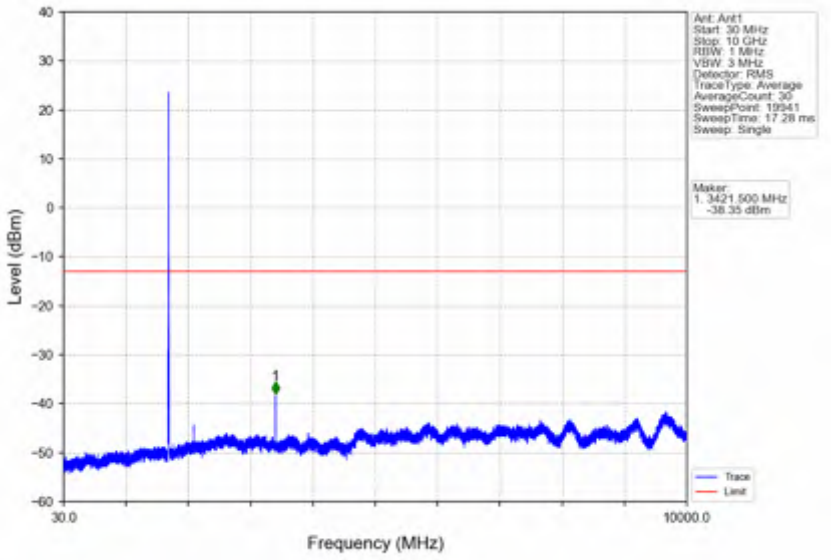
6.3.2 Test Graph

Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

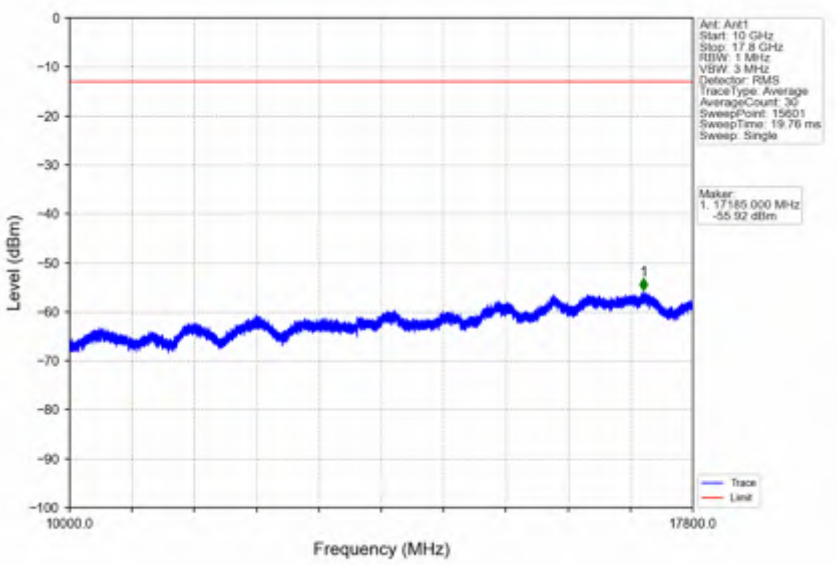


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1705.960	-24.99	-13	Pass
1709	1710	0.003	/	2	1710.000	-32.31	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

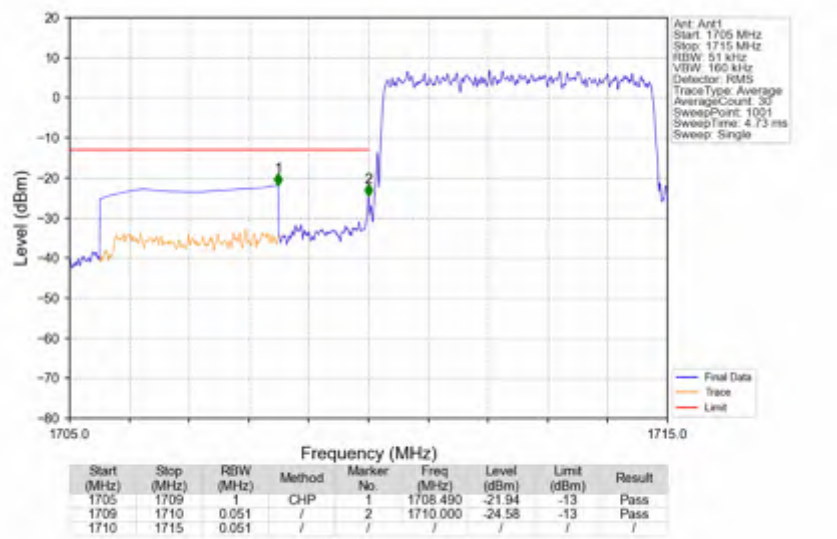
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

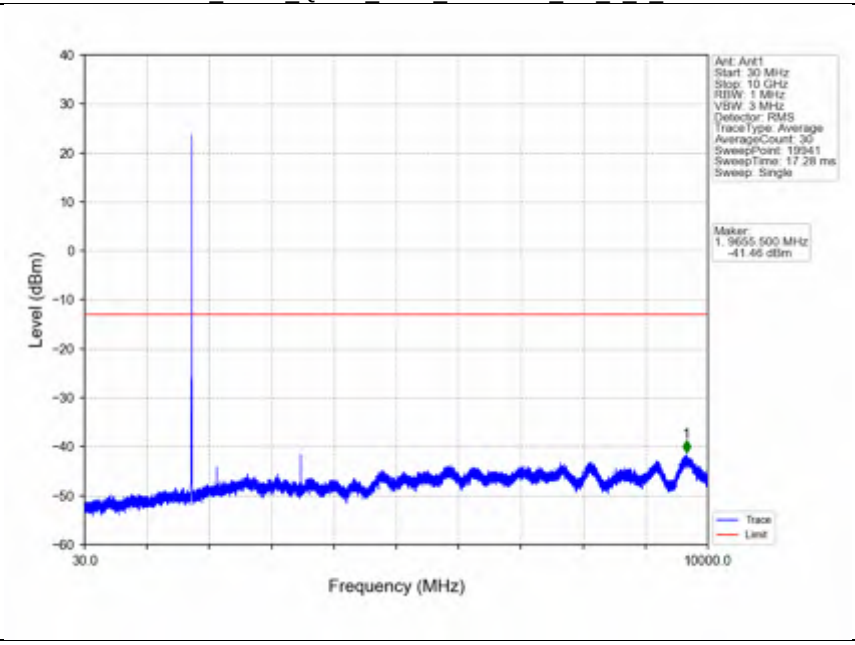


Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

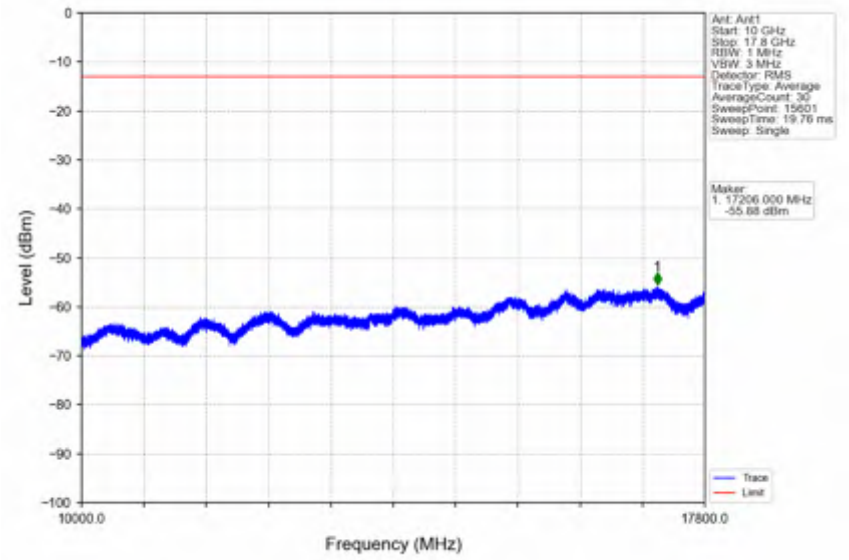


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-21.94	-13	Pass
1709	1710	0.051	/	2	1710.000	-24.58	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

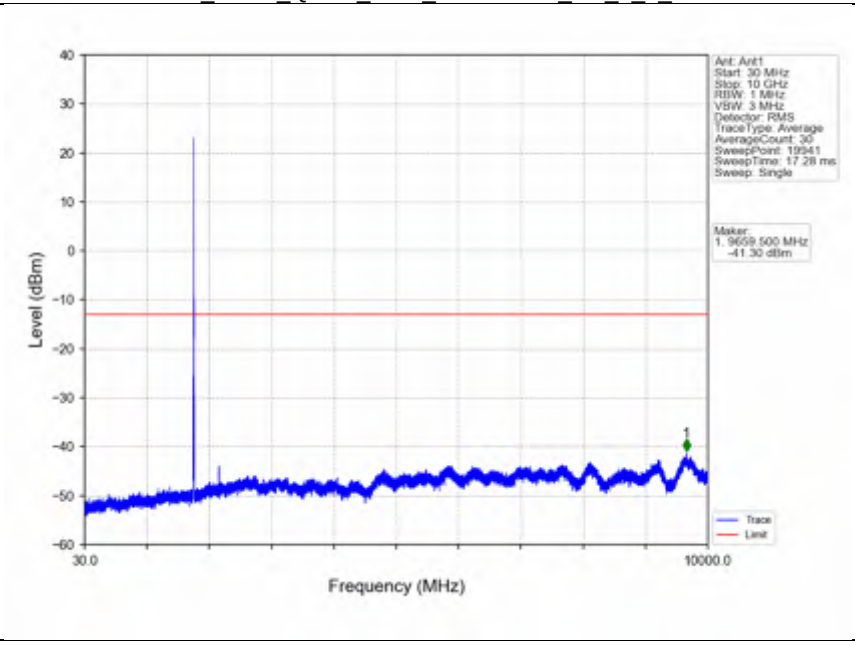
Band66_5MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



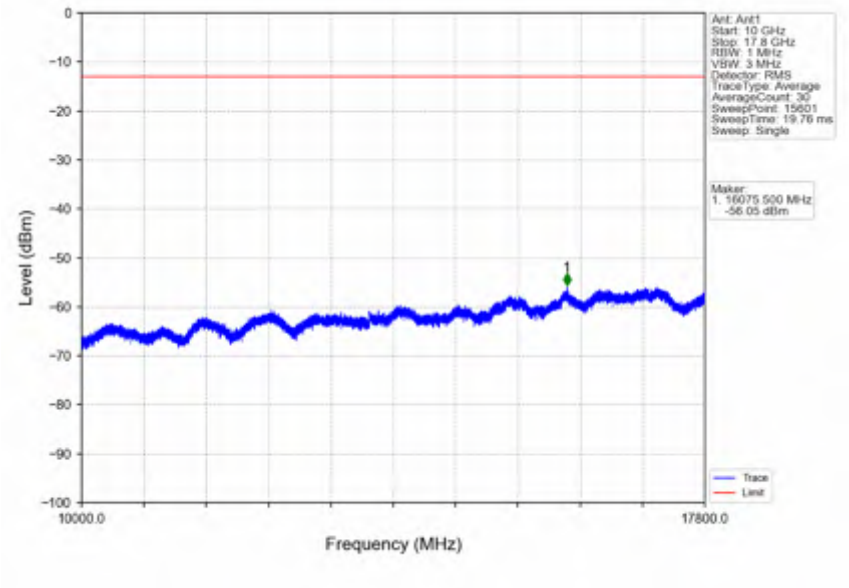
Band66_5MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



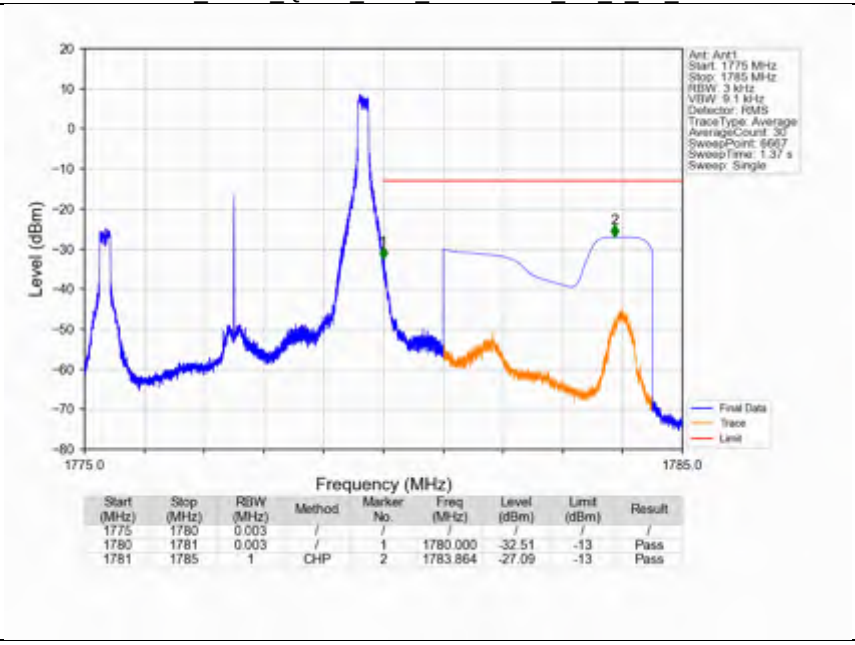
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV



Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV

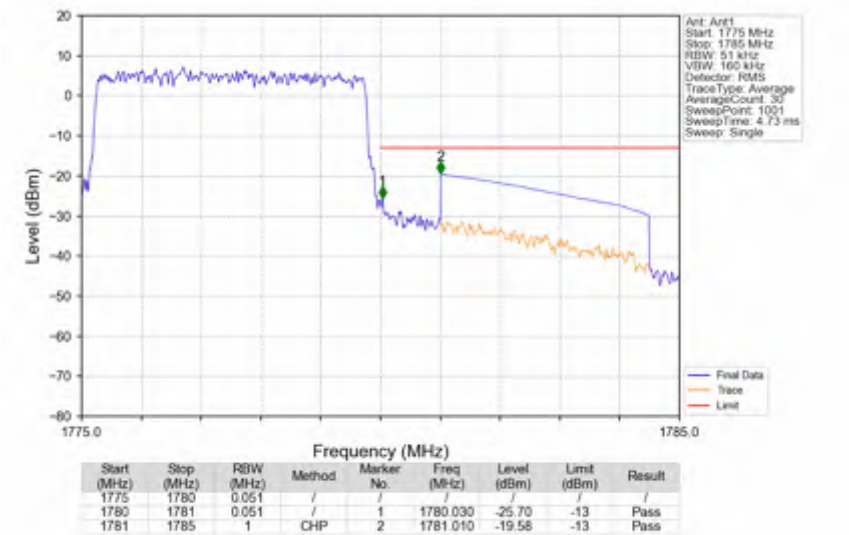


Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_24_NTNV



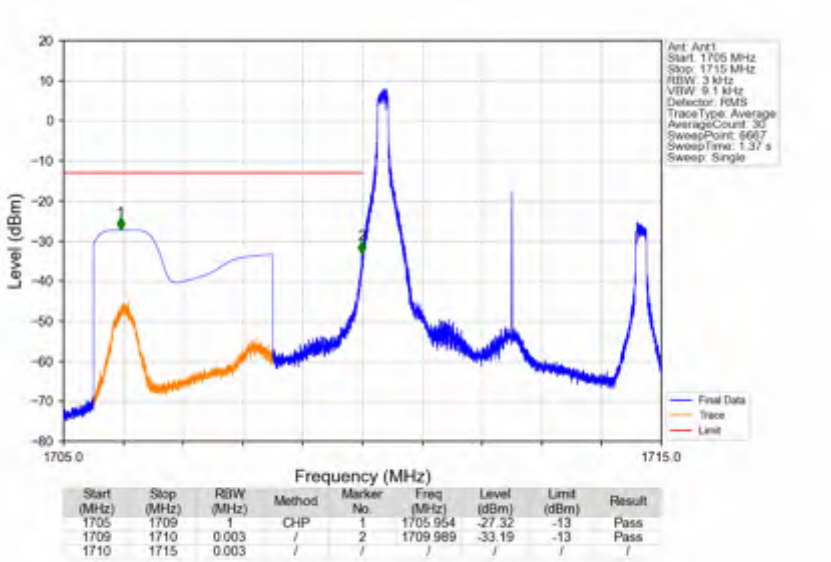
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.000	-32.51	-13	Pass
1781	1785	1	CHP	2	1783.864	-27.09	-13	Pass

Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



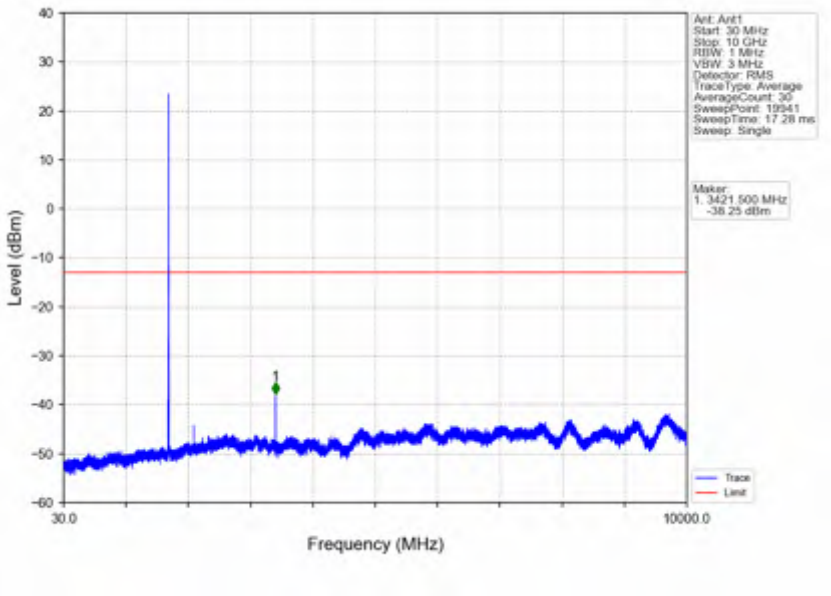
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.051	/	/	/	/	/	/
1780	1781	0.051	/	1	1780.030	-25.70	-13	Pass
1781	1785	1	CHP	2	1781.010	-19.58	-13	Pass

Band66_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

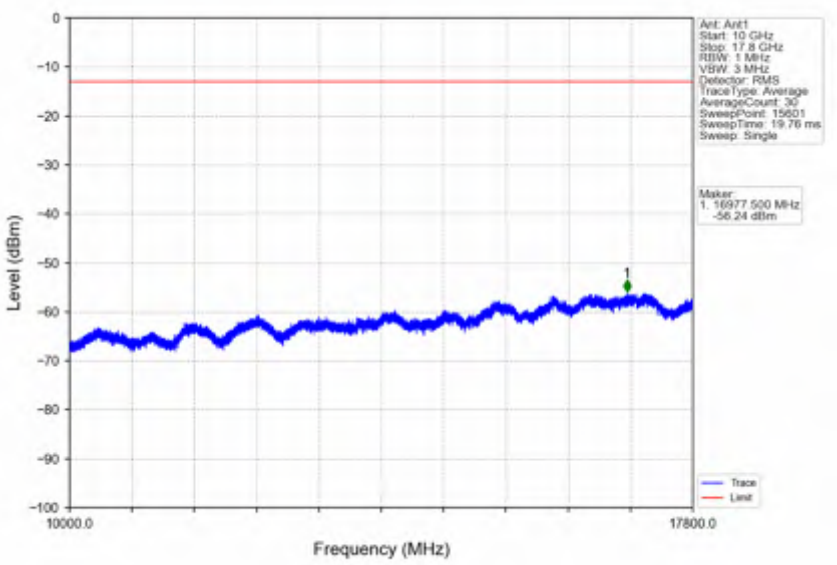


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1705.954	-27.32	-13	Pass
1709	1710	0.003	/	2	1709.989	-33.19	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

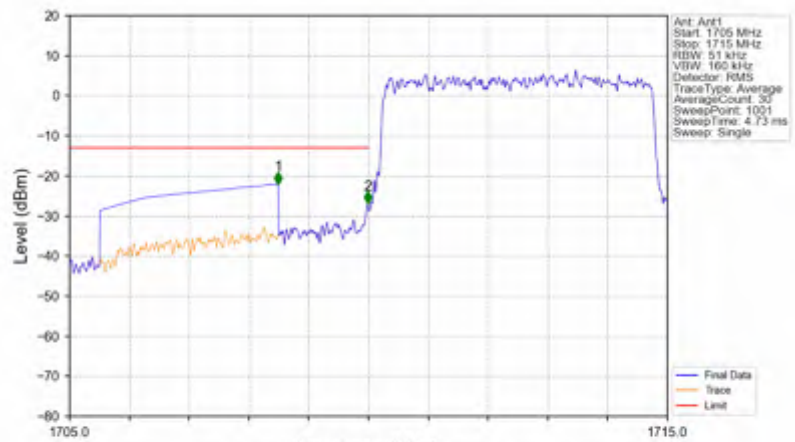
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band66_5MHz_16QAM_LCH_1712.5MHz_RB_1_0_NTNV

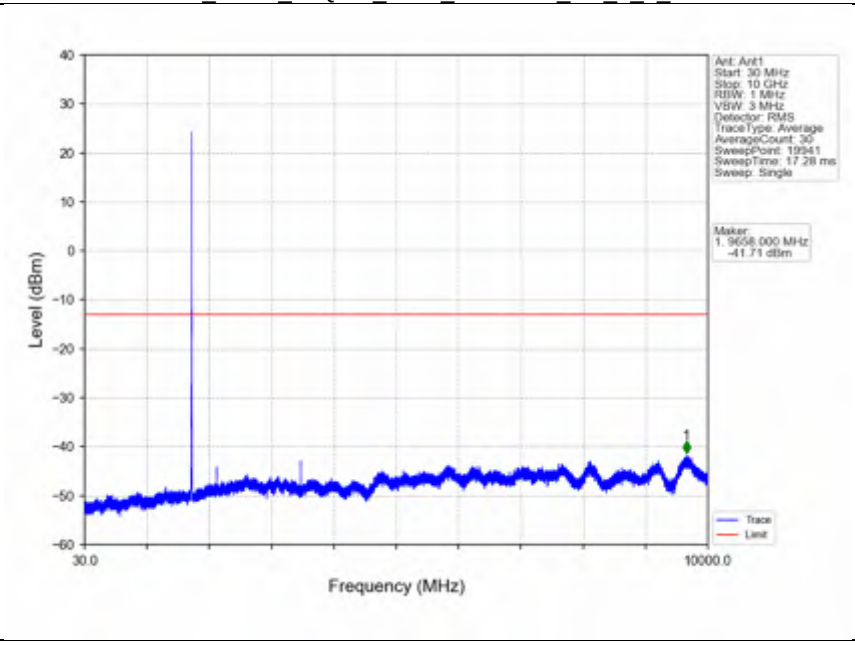


Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

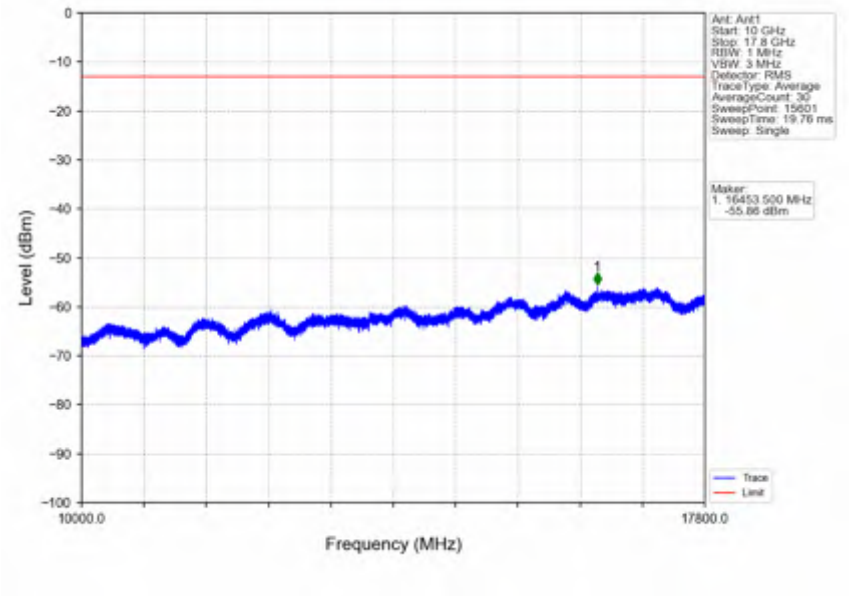


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.490	-22.06	-13	Pass
1709	1710	0.051	/	2	1709.990	-26.87	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

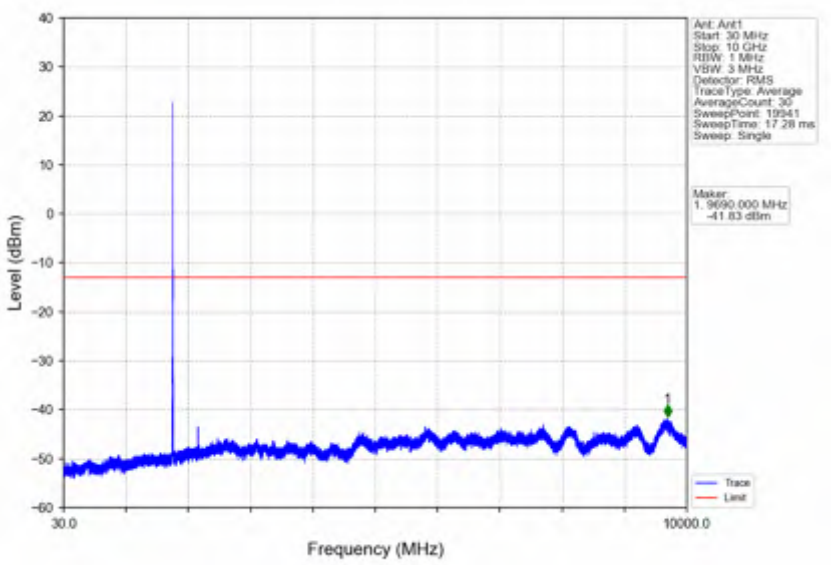
Band66_5MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



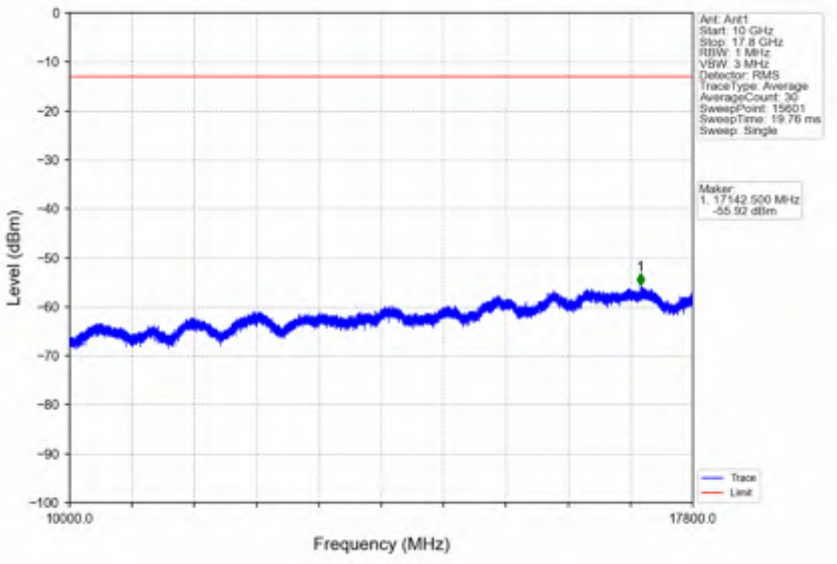
Band66_5MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



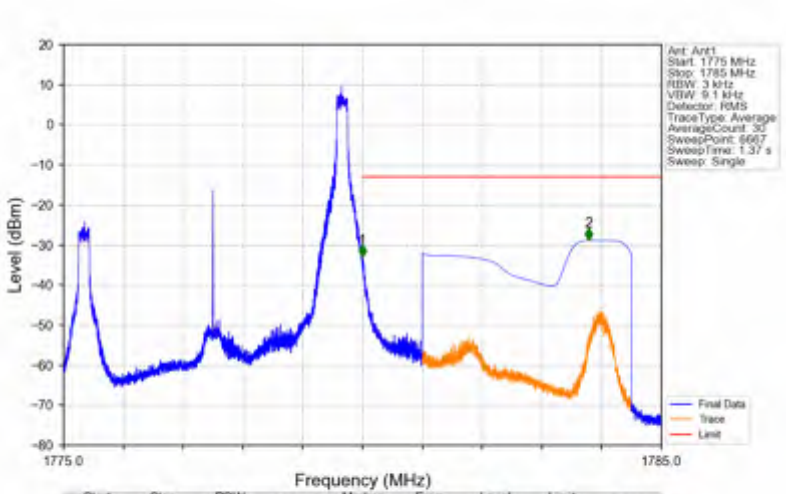
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_1_0_NTNV



Band66_5MHz_16QAM_HCH_1777.5MHz_RB_1_0_NTNV

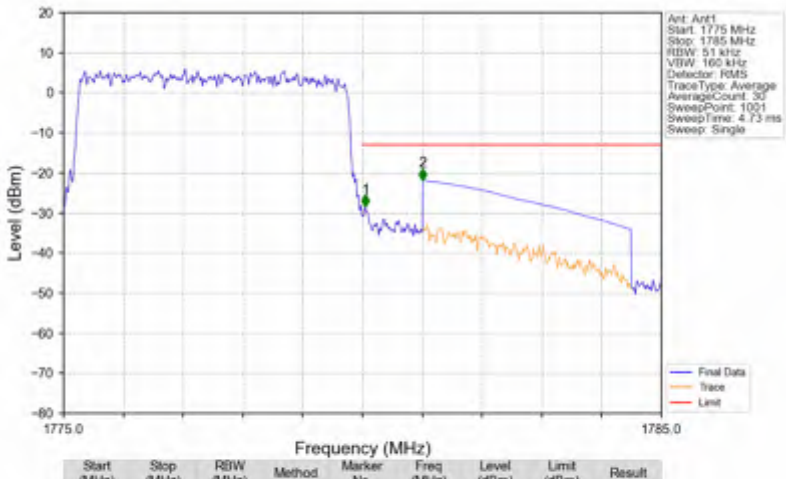


Band66_5MHz_16QAM_HCH_1777.5MHz_RB_1_24_NTNV



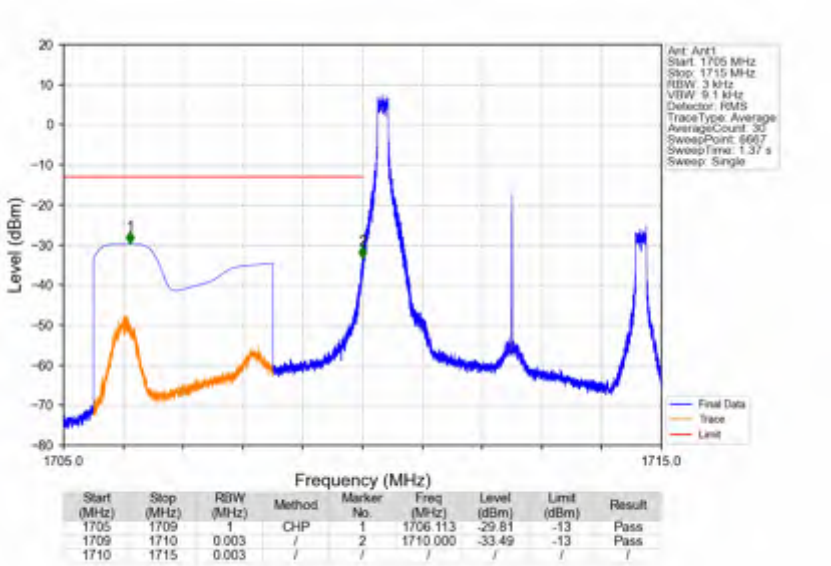
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.000	-33.13	-13	Pass
1781	1785	1	CHP	2	1783.783	-28.92	-13	Pass

Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



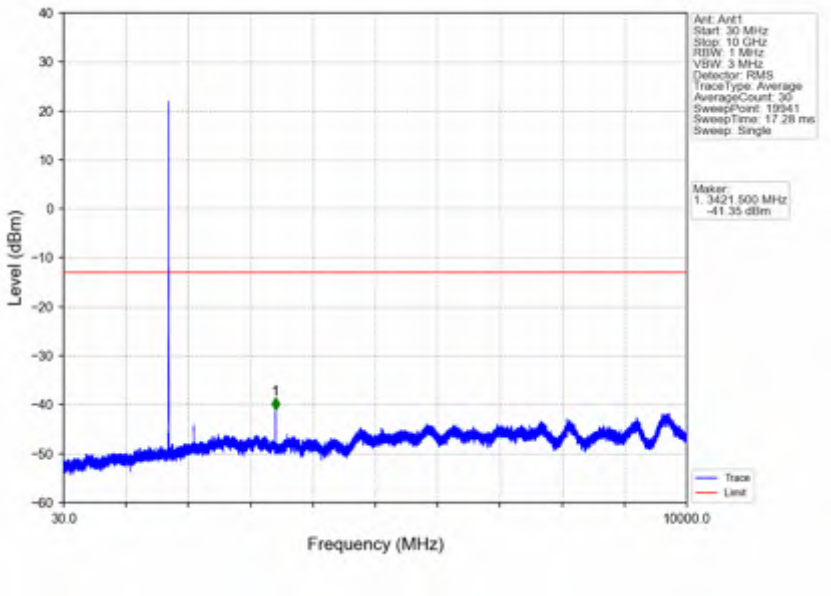
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.051	/	/	/	/	/	/
1780	1781	0.051	/	1	1780.050	-28.51	-13	Pass
1781	1785	1	CHP	2	1781.010	-21.88	-13	Pass

Band66_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV

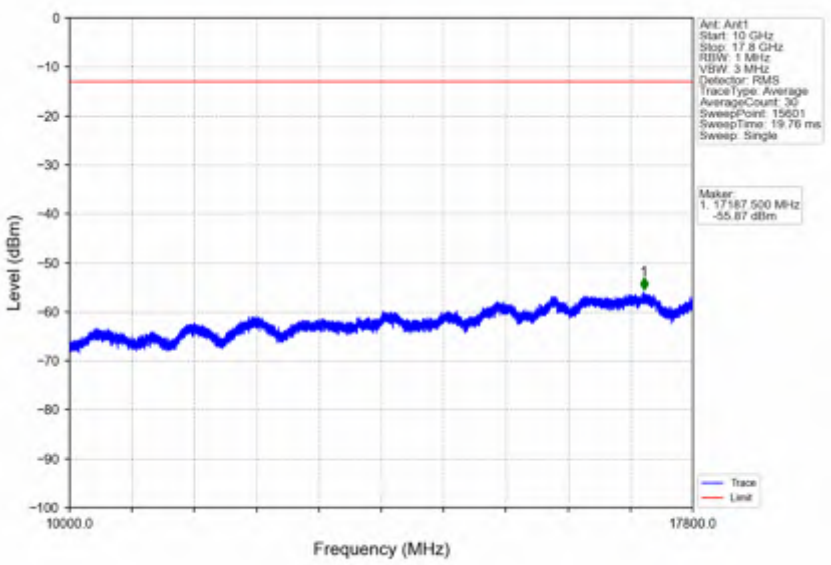


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1706.113	-29.81	-13	Pass
1709	1710	0.003	/	2	1710.000	-33.49	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

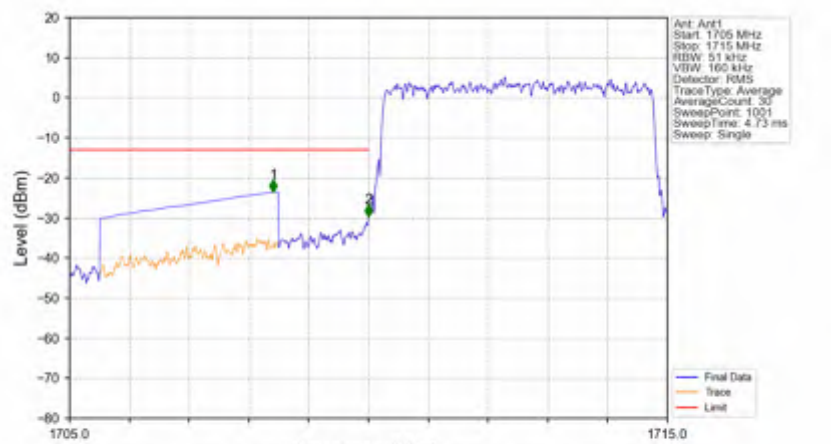
Band66_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV



Band66_5MHz_64QAM_LCH_1712.5MHz_RB_1_0_NTNV

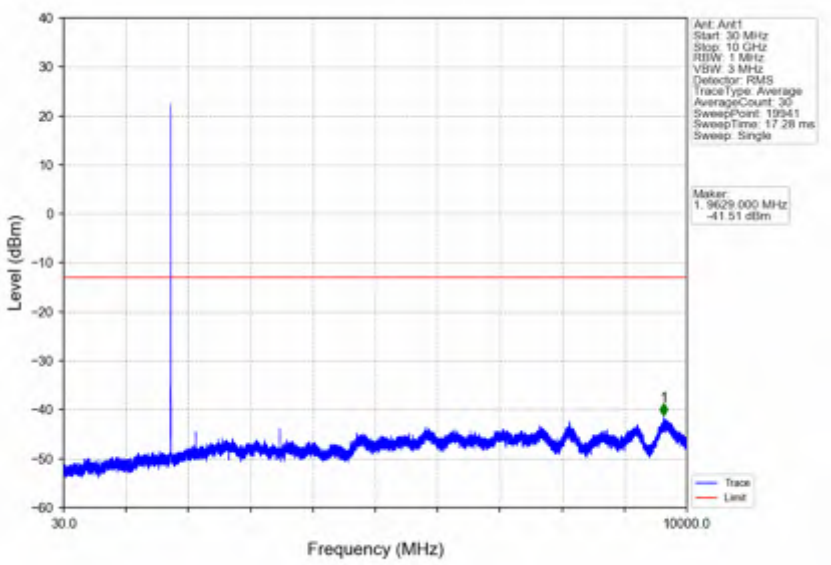


Band66_5MHz_64QAM_LCH_1712.5MHz_RB_25_0_NTNV

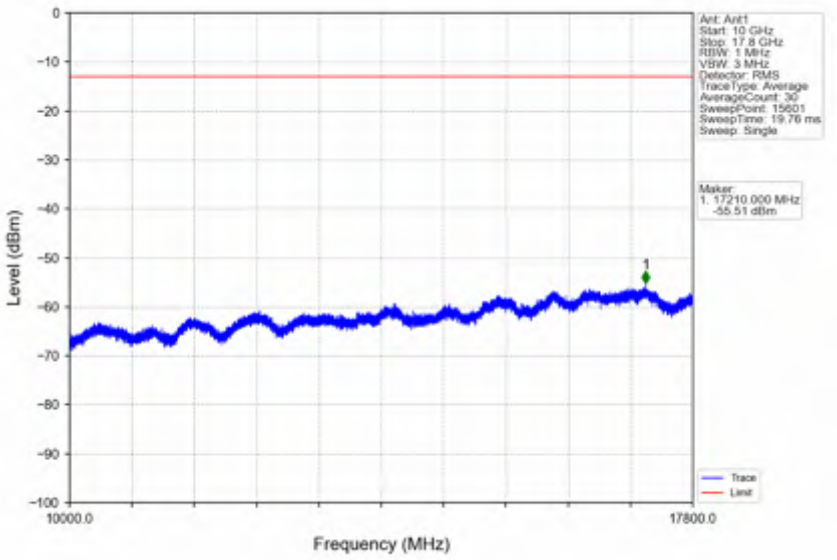


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.410	-23.54	-13	Pass
1709	1710	0.051	/	2	1710.000	-29.71	-13	Pass
1710	1715	0.051	/	/	/	/	/	/

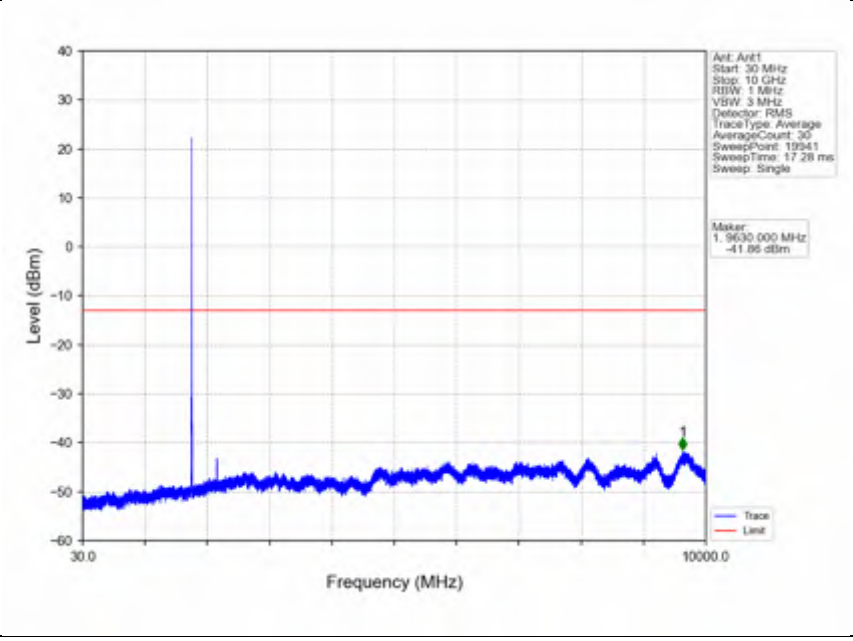
Band66_5MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



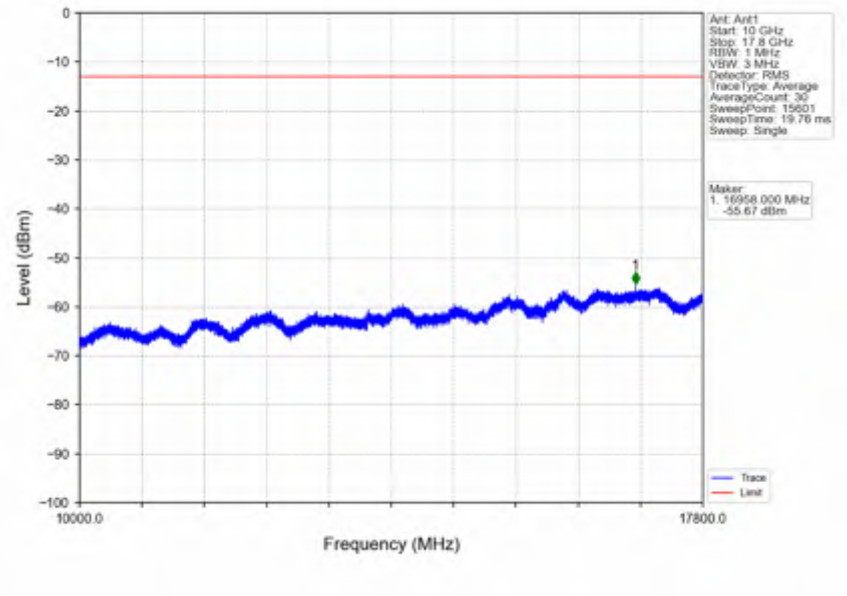
Band66_5MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



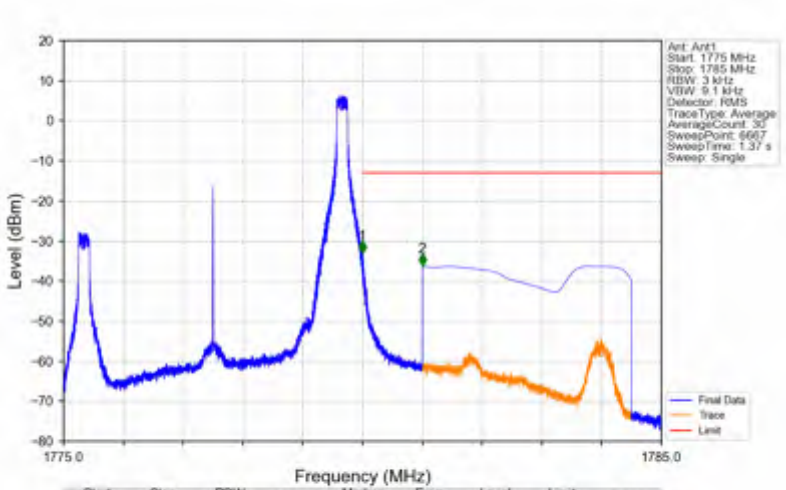
Band66_5MHz_64QAM_HCH_1777.5MHz_RB_1_0_NTNV



Band66_5MHz_64QAM_HCH_1777.5MHz_RB_1_0_NTNV

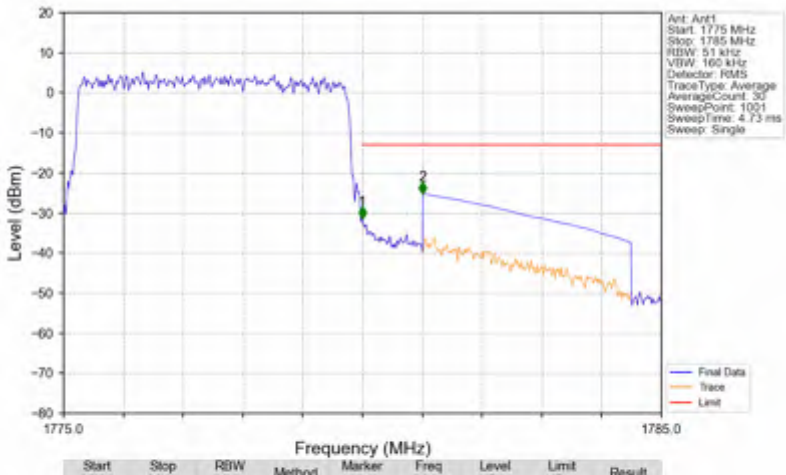


Band66_5MHz_64QAM_HCH_1777.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.000	-33.10	-13	Pass
1781	1785	1	CHP	2	1781.001	-36.24	-13	Pass

Band66_5MHz_64QAM_HCH_1777.5MHz_RB_25_0_NTNV



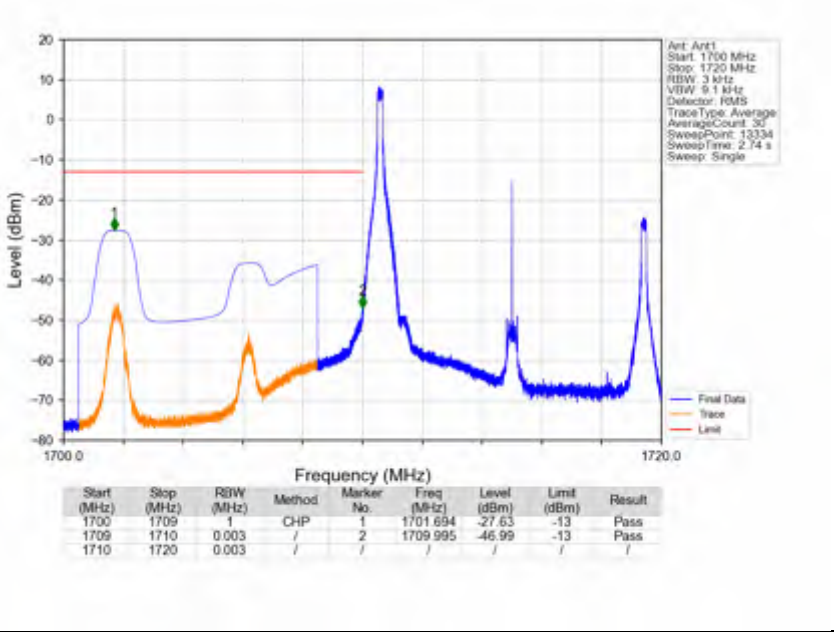
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.051	/	/	/	/	/	/
1780	1781	0.051	/	1	1780.000	-31.54	-13	Pass
1781	1785	1	CHP	2	1781.010	-25.33	-13	Pass

6.4 B66_10MHz

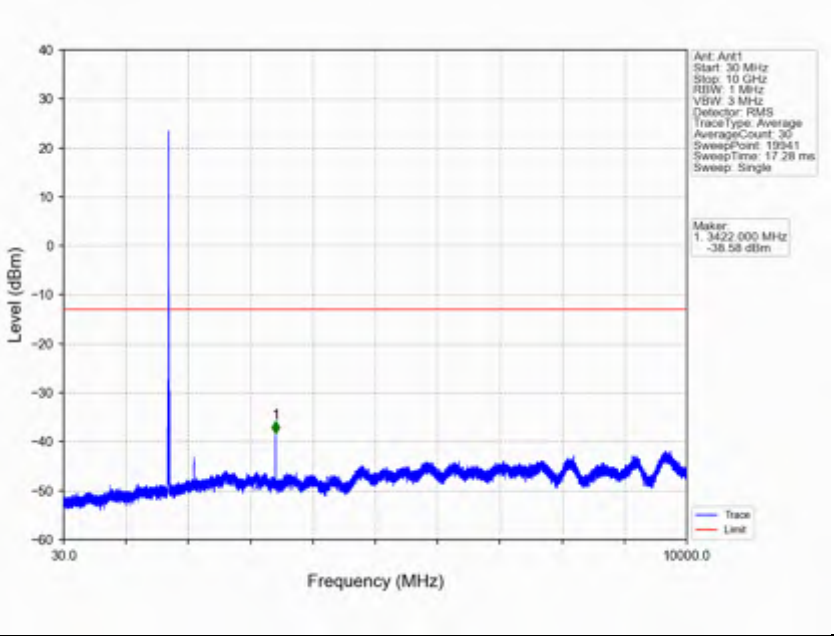
6.4.1 Test Result

Band: 66 / 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
	1745	1	0	Refer To Test Graph		Pass
	1775	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
	1745	1	0	Refer To Test Graph		Pass
	1775	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
64QAM	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1775	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

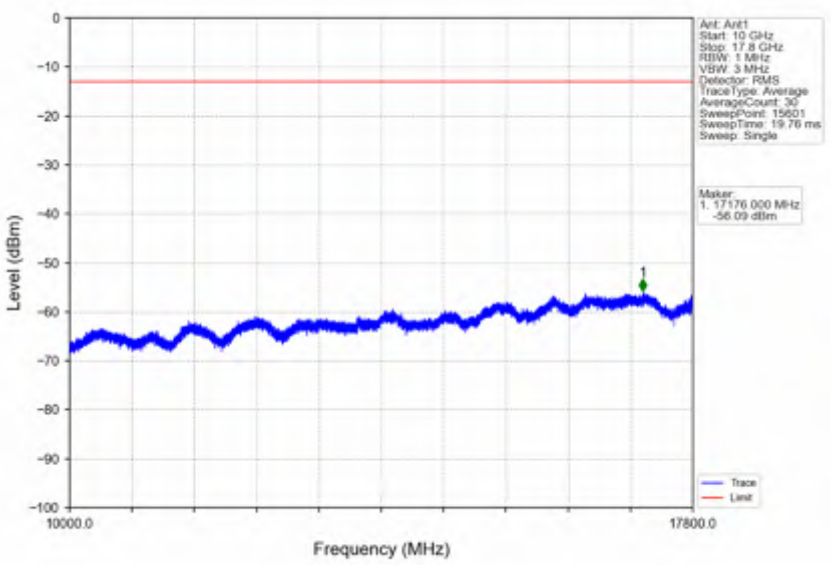
6.4.2 Test Graph

Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV


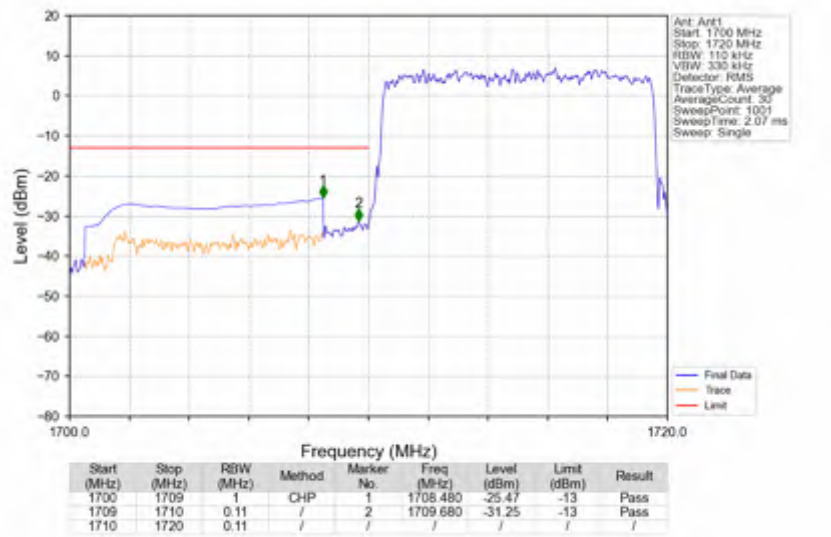
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1701.694	-27.63	-13	Pass
1709	1710	0.003	/	2	1709.995	-46.99	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV


Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

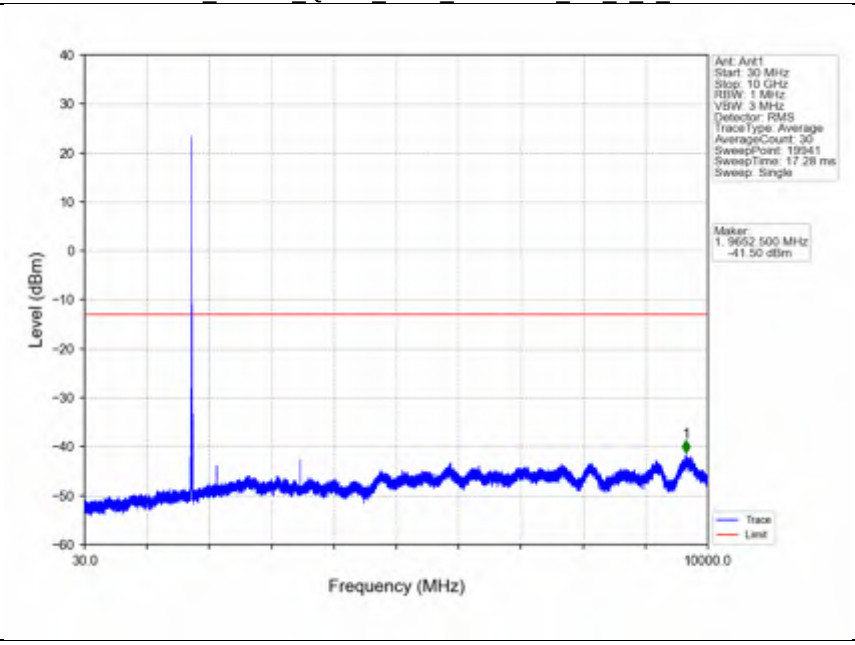


Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

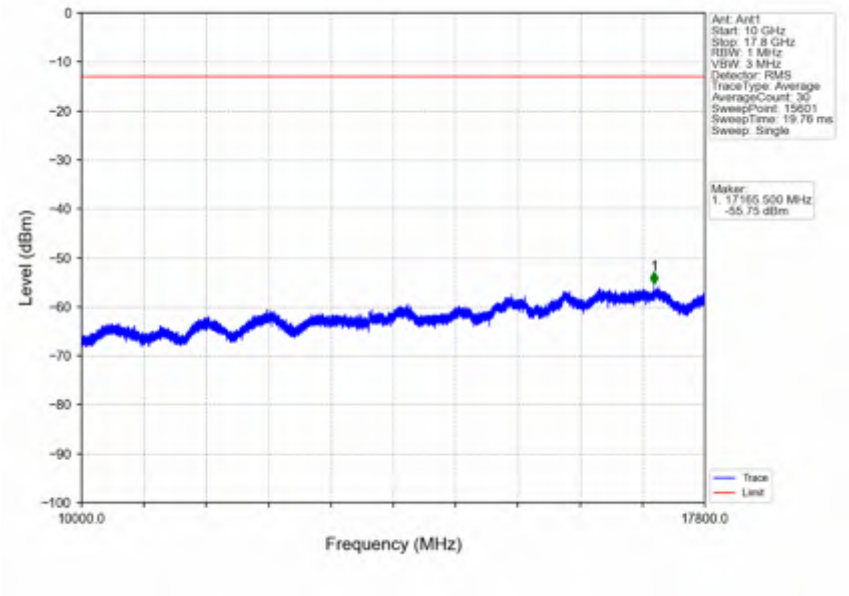


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-25.47	-13	Pass
1709	1710	0.11	/	2	1709.680	-31.25	-13	Pass
1710	1720	0.11	/	/	/	/	/	/

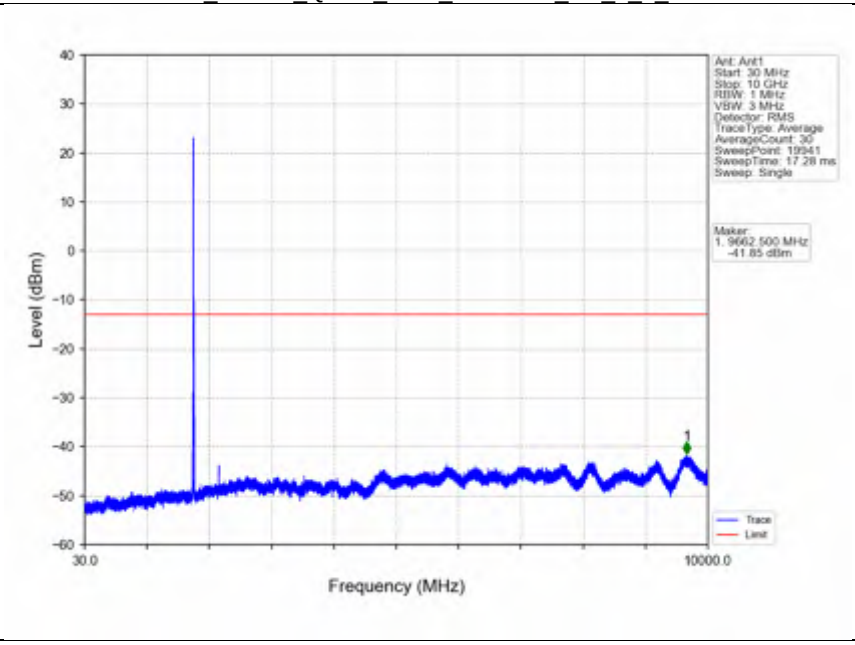
Band66_10MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



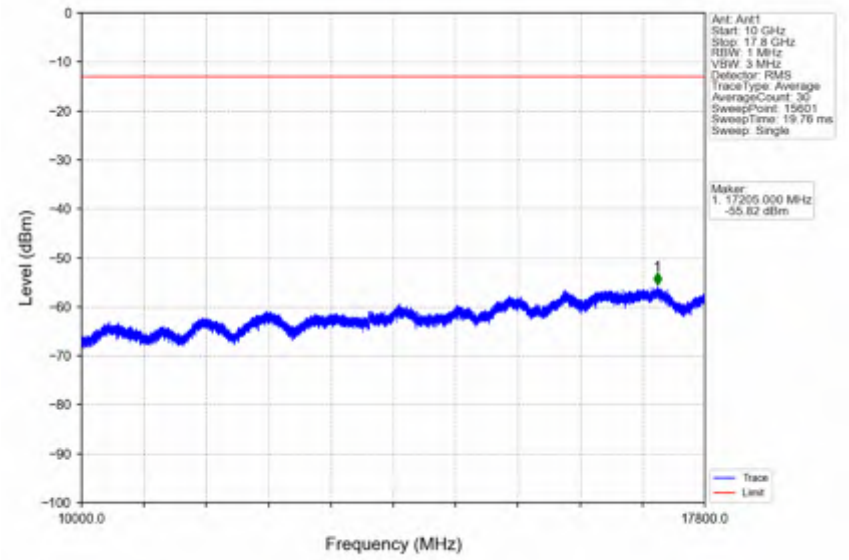
Band66_10MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



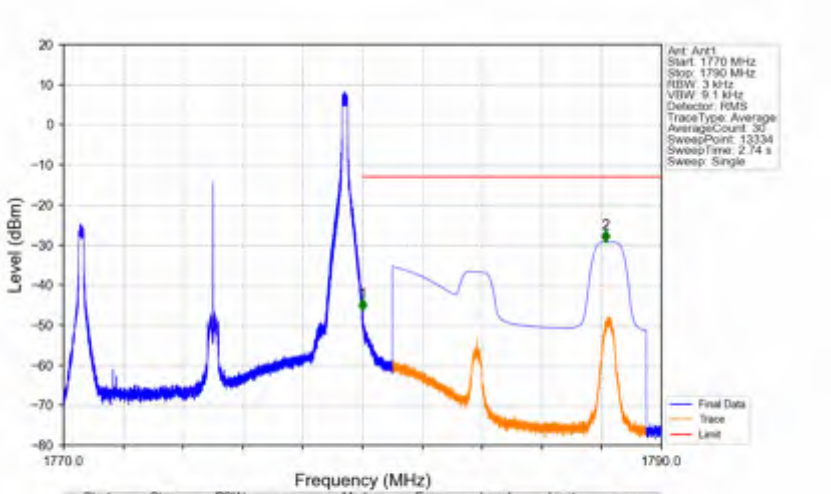
Band66_10MHz_QPSK_HCH_1775MHz_RB_1_0_NTNV



Band66_10MHz_QPSK_HCH_1775MHz_RB_1_0_NTNV

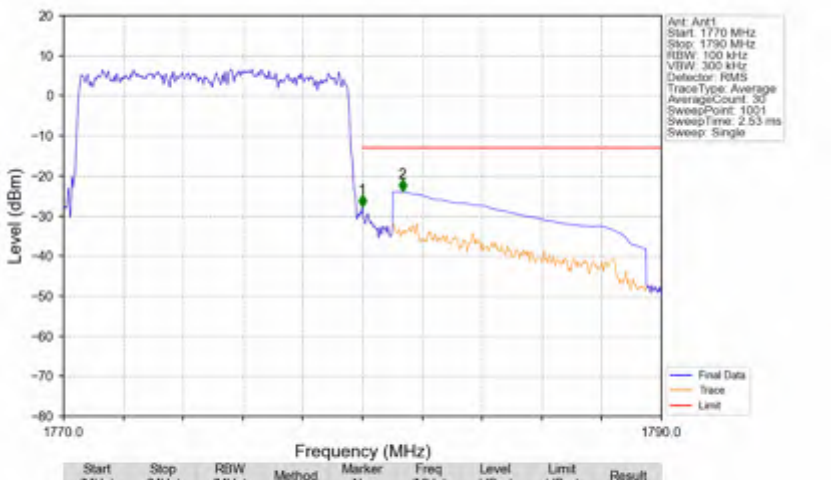


Band66_10MHz_QPSK_HCH_1775MHz_RB_1_49_NTNV



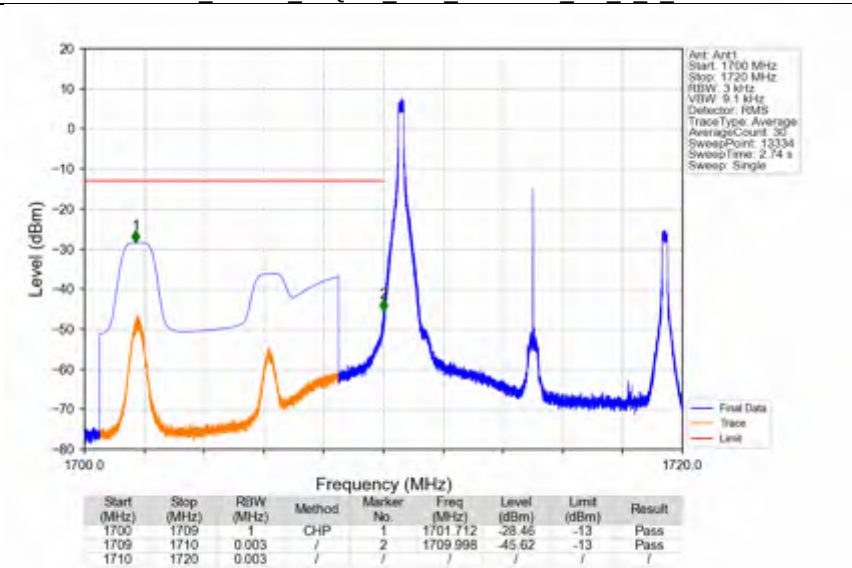
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.002	-46.50	-13	Pass
1781	1790	1	CHP	2	1788.132	-29.33	-13	Pass

Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



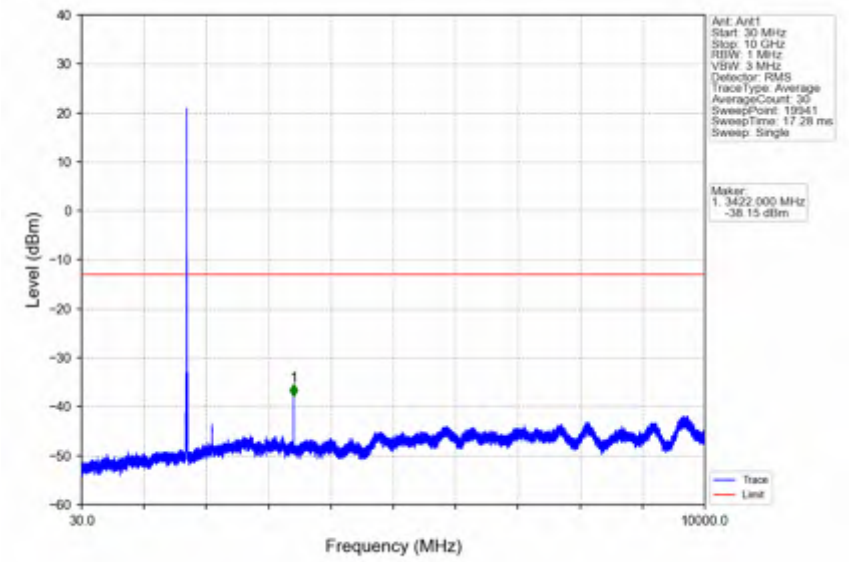
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.1	/	/	/	/	/	/
1780	1781	0.1	/	1	1780.000	-27.86	-13	Pass
1781	1790	1	CHP	2	1781.340	-23.96	-13	Pass

Band66_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

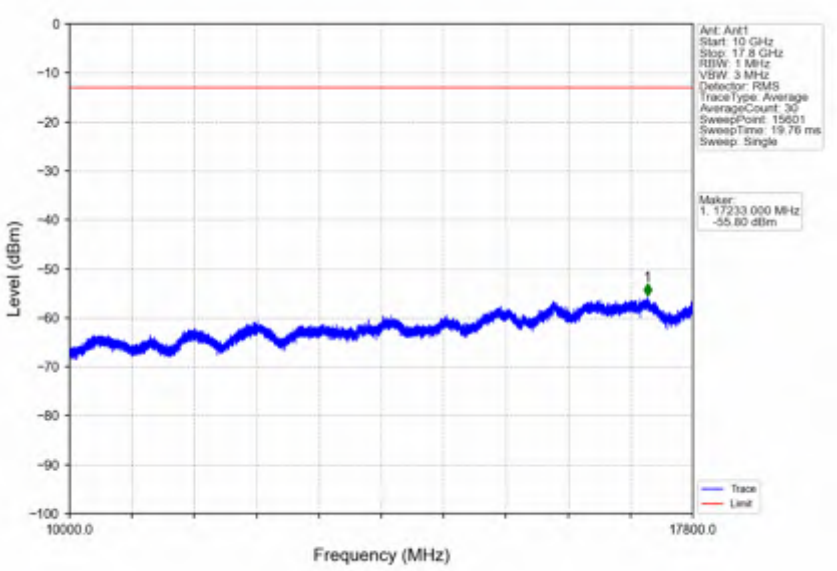


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1701.712	-28.46	-13	Pass
1709	1710	0.003	/	2	1709.998	-45.62	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

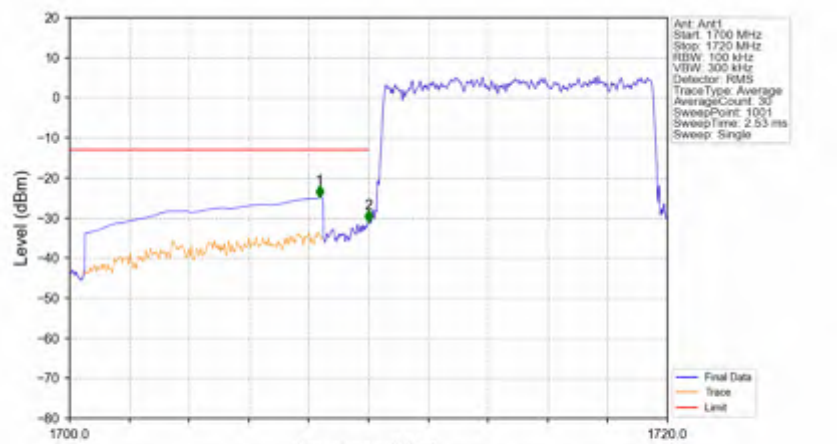
Band66_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV



Band66_10MHz_16QAM_LCH_1715MHz_RB_1_0_NTNV

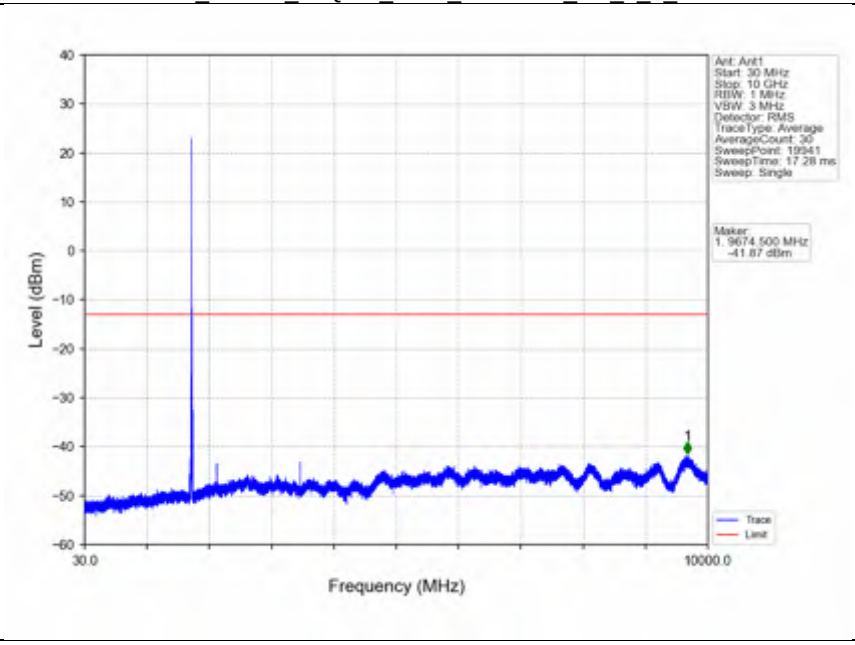


Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

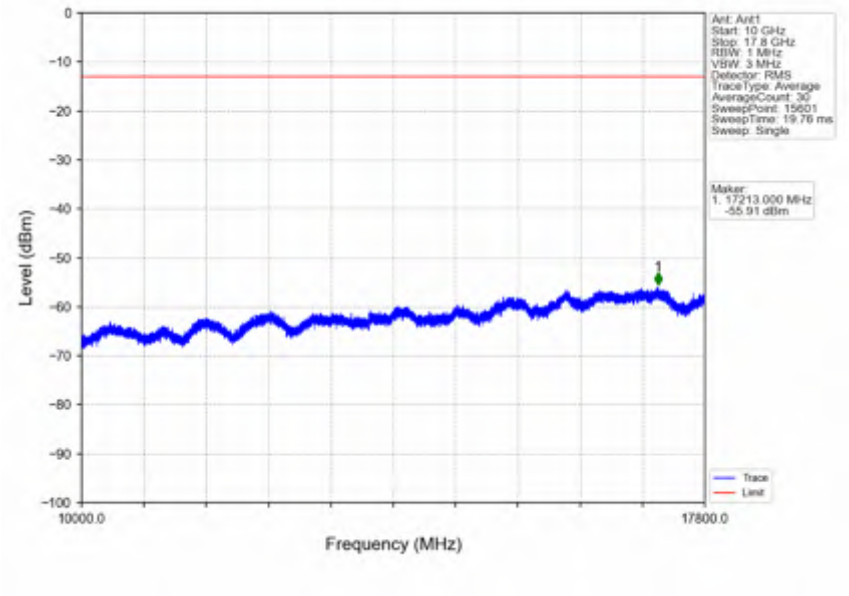


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.360	-24.95	-13	Pass
1709	1710	0.1	/	2	1710.000	-31.20	-13	Pass
1710	1720	0.1	/	/	/	/	/	/

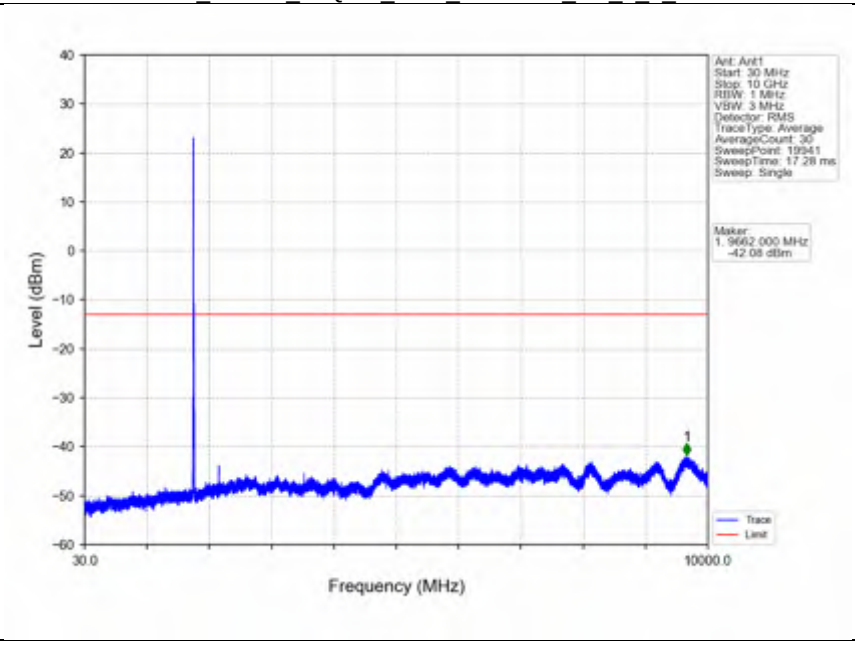
Band66_10MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



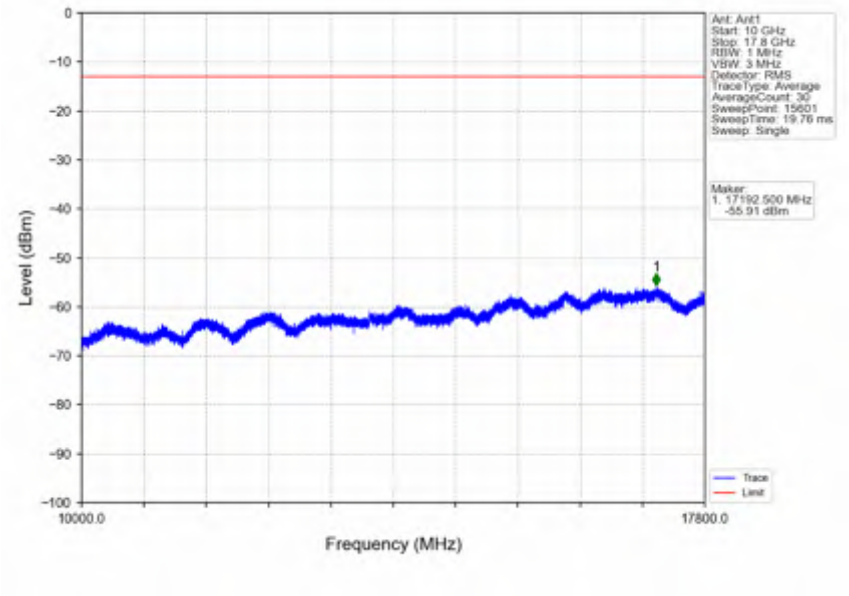
Band66_10MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



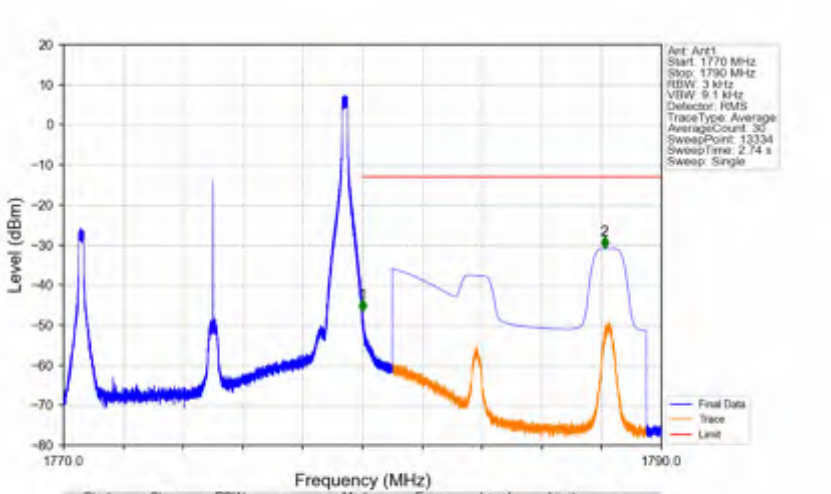
Band66_10MHz_16QAM_HCH_1775MHz_RB_1_0_NTNV



Band66_10MHz_16QAM_HCH_1775MHz_RB_1_0_NTNV

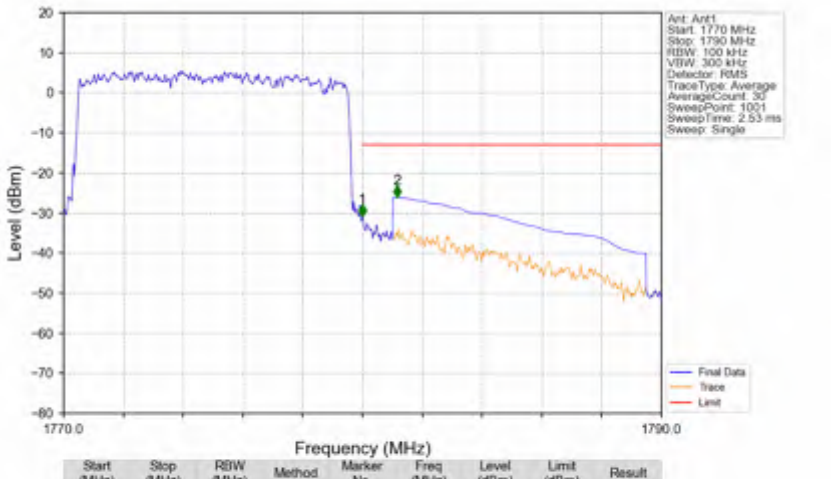


Band66_10MHz_16QAM_HCH_1775MHz_RB_1_49_NTNV



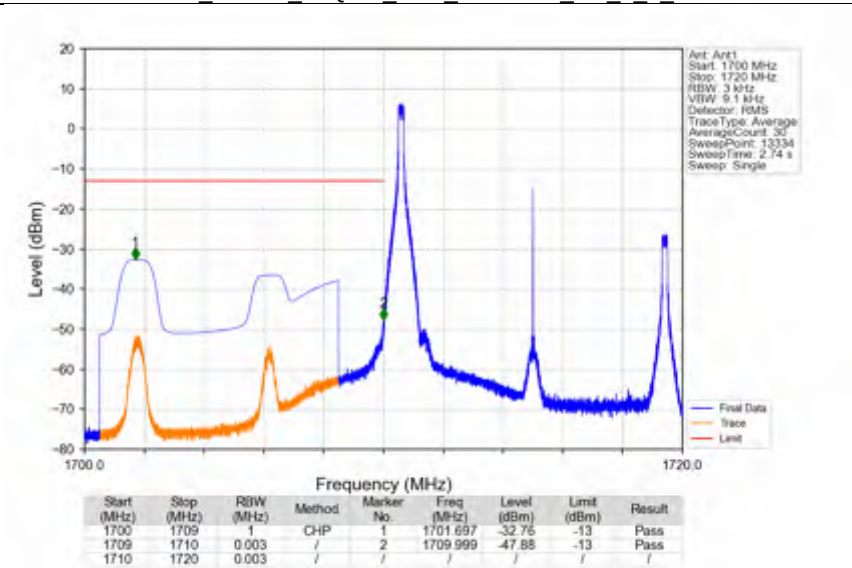
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.002	-46.72	-13	Pass
1781	1790	1	CHP	2	1788.099	-30.93	-13	Pass

Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



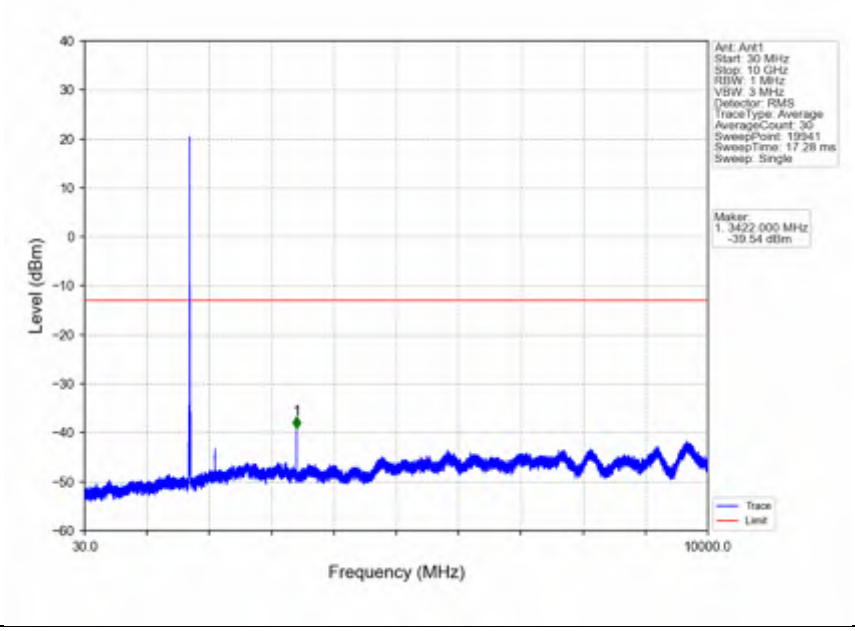
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.1	/	/	/	/	/	/
1780	1781	0.1	/	1	1780.000	-31.04	-13	Pass
1781	1790	1	CHP	2	1781.160	-26.18	-13	Pass

Band66_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV

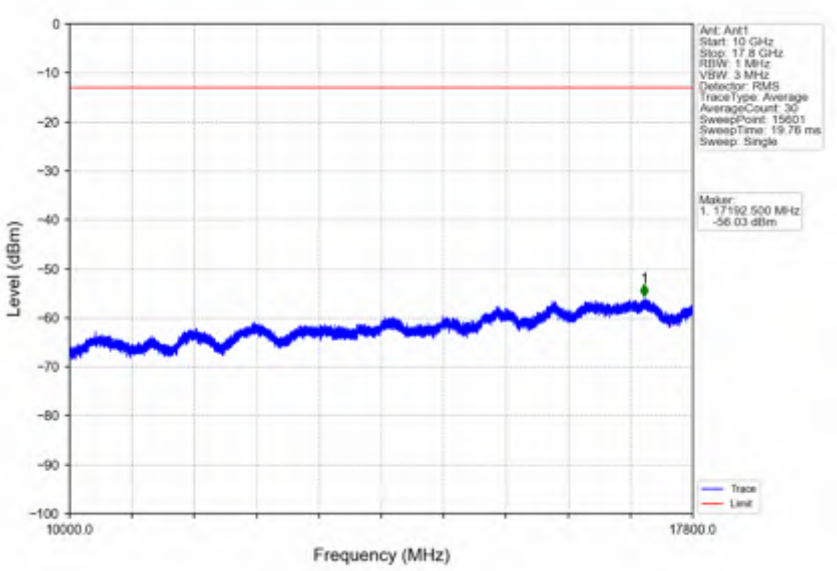


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1701.697	-32.76	-13	Pass
1709	1710	0.003	/	2	1709.999	-47.88	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

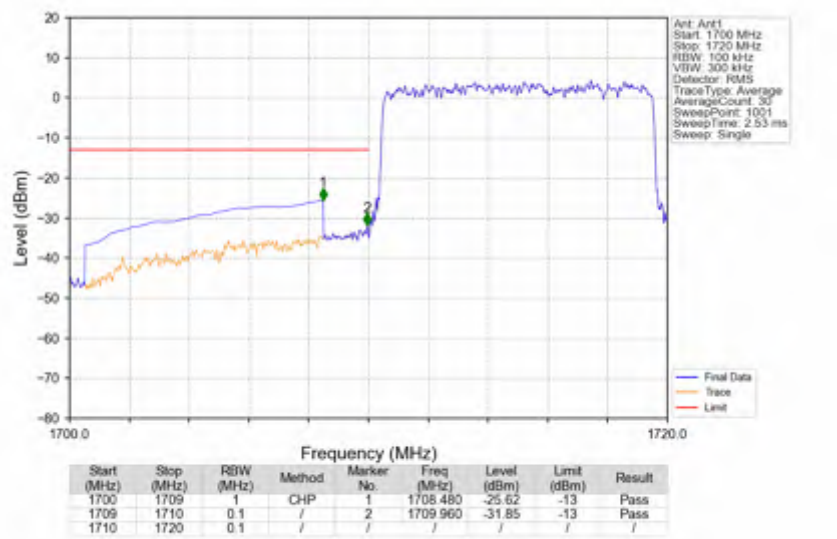
Band66_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV



Band66_10MHz_64QAM_LCH_1715MHz_RB_1_0_NTNV

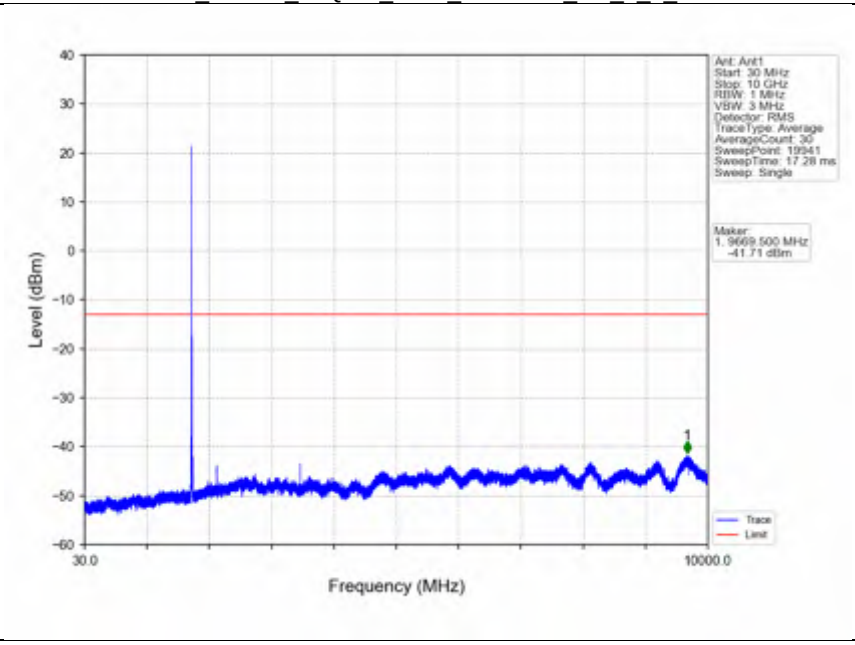


Band66_10MHz_64QAM_LCH_1715MHz_RB_50_0_NTNV

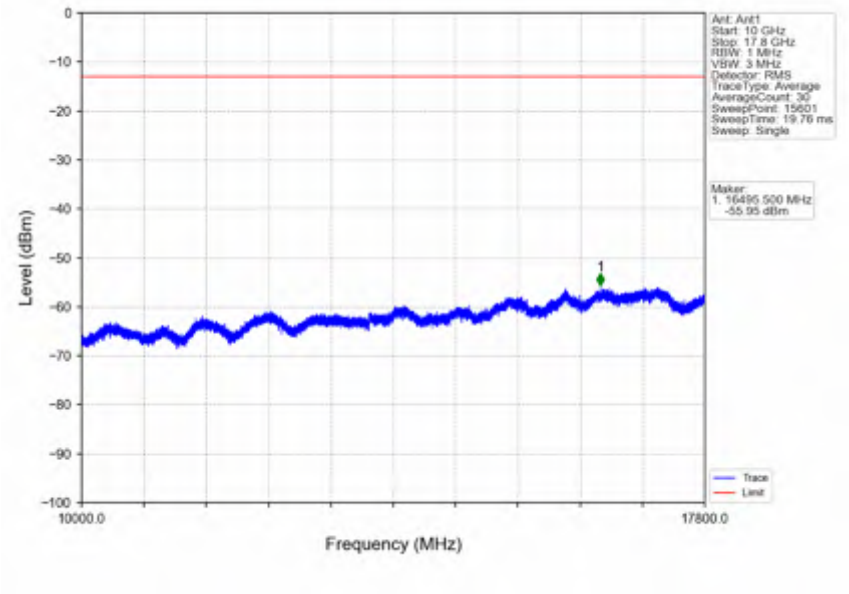


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.480	-25.62	-13	Pass
1709	1710	0.1	/	2	1709.960	-31.85	-13	Pass
1710	1720	0.1	/	/	/	/	/	/

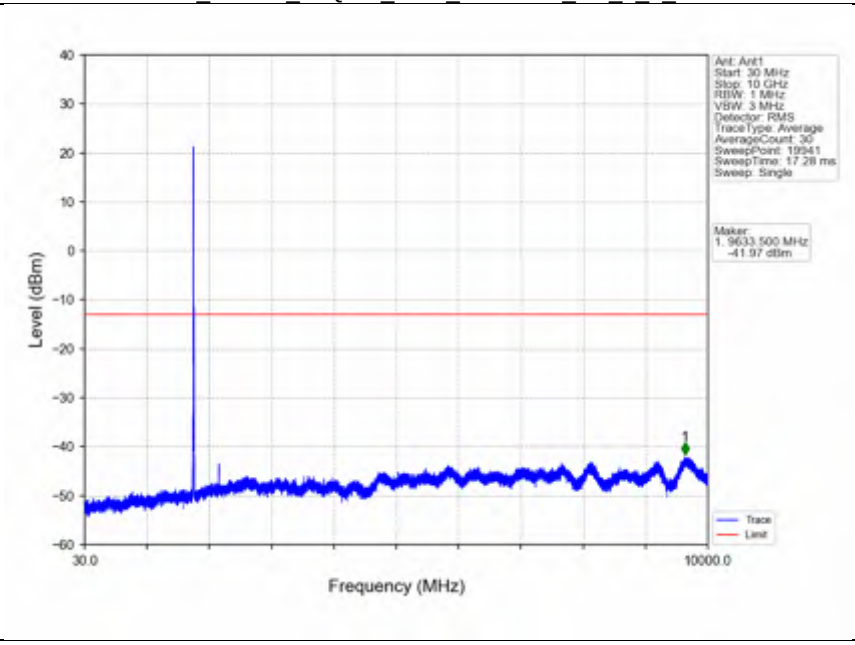
Band66_10MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



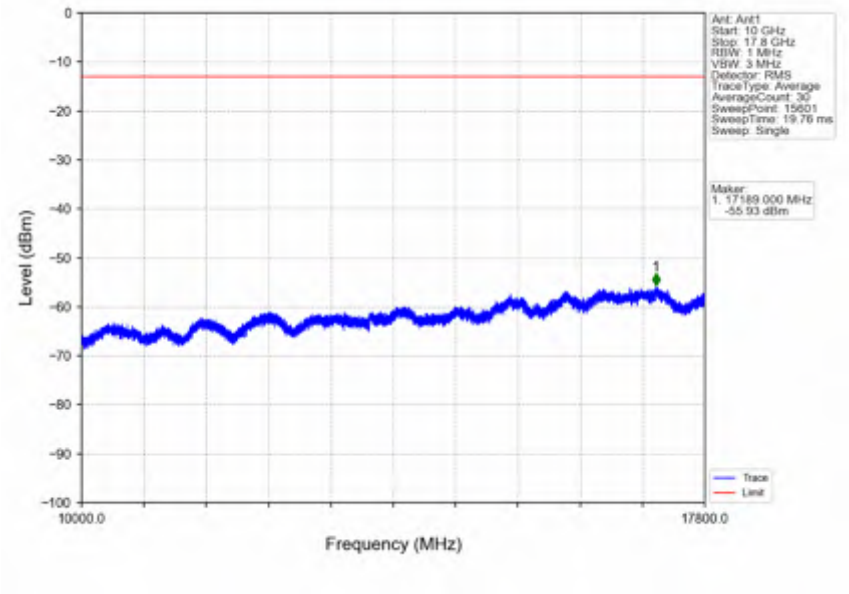
Band66_10MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



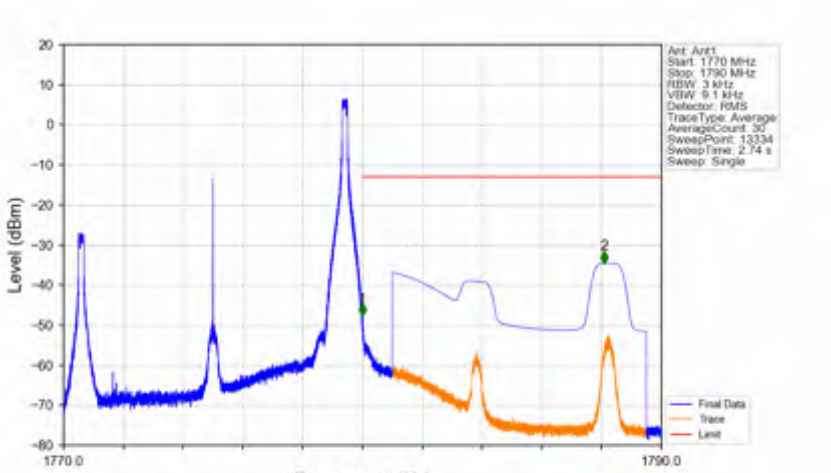
Band66_10MHz_64QAM_HCH_1775MHz_RB_1_0_NTNV



Band66_10MHz_64QAM_HCH_1775MHz_RB_1_0_NTNV

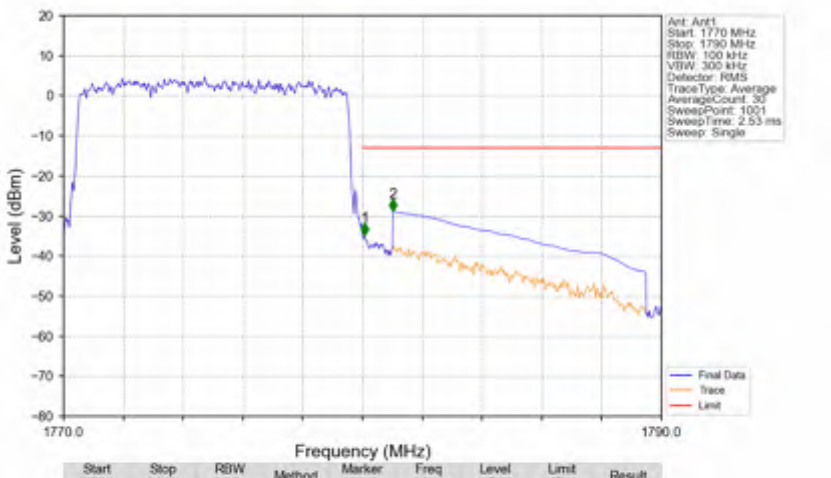


Band66_10MHz_64QAM_HCH_1775MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.001	-47.71	-13	Pass
1781	1790	1	CHP	2	1788.089	-34.59	-13	Pass

Band66_10MHz_64QAM_HCH_1775MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.1	/	/	/	/	/	/
1780	1781	0.1	/	1	1780.080	-34.85	-13	Pass
1781	1790	1	CHP	2	1781.020	-28.89	-13	Pass

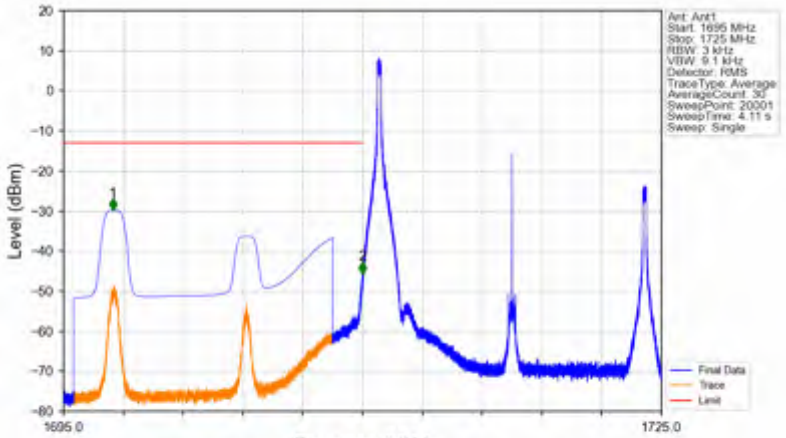
6.5 B66_15MHz

6.5.1 Test Result

Band: 66 / 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
	1745	1	0	Refer To Test Graph		Pass
	1772.5	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
	1745	1	0	Refer To Test Graph		Pass
	1772.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
64QAM	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1772.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

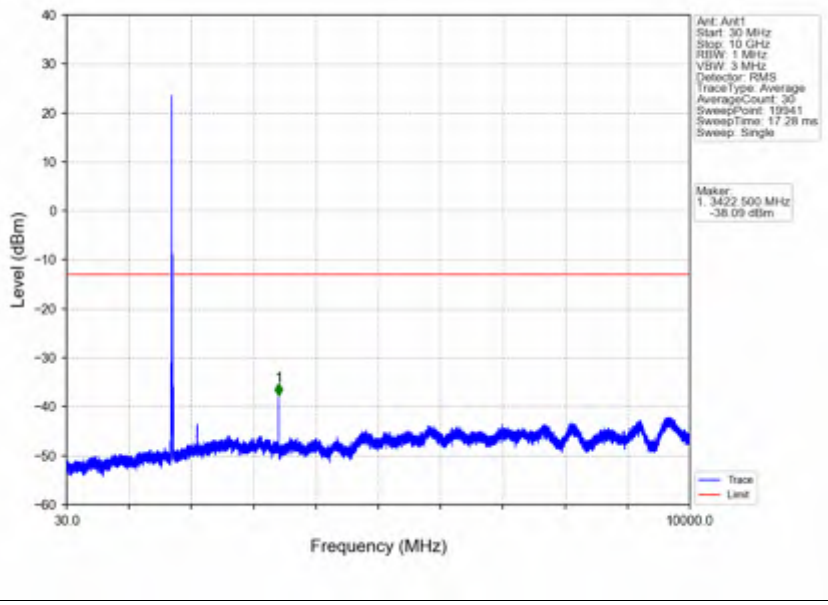
6.5.2 Test Graph

Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

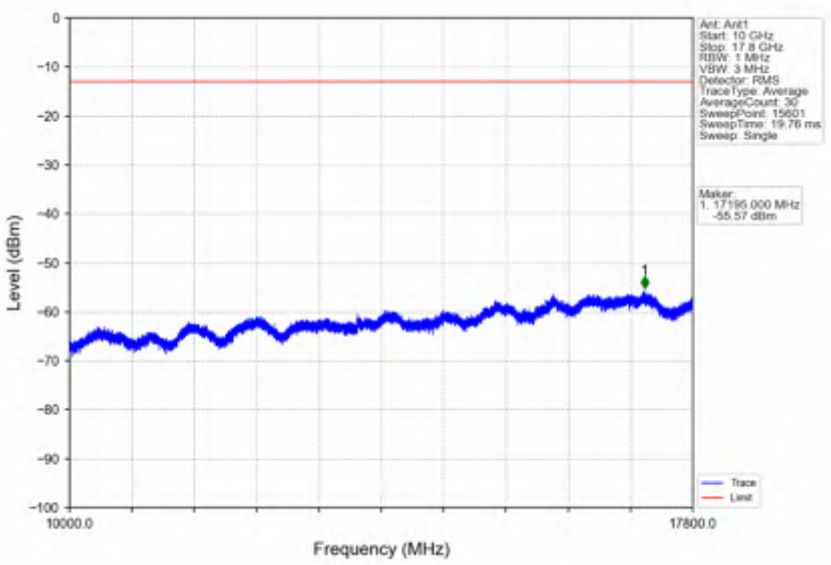


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1697.467	-29.87	-13	Pass
1709	1710	0.003	/	2	1709.998	-45.71	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

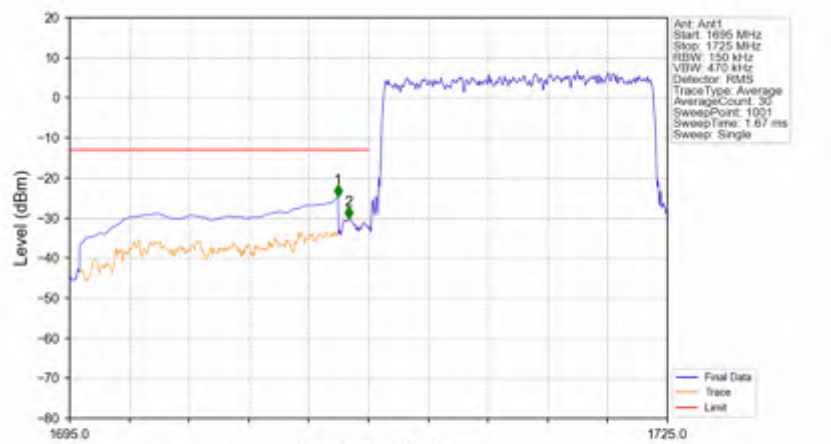
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

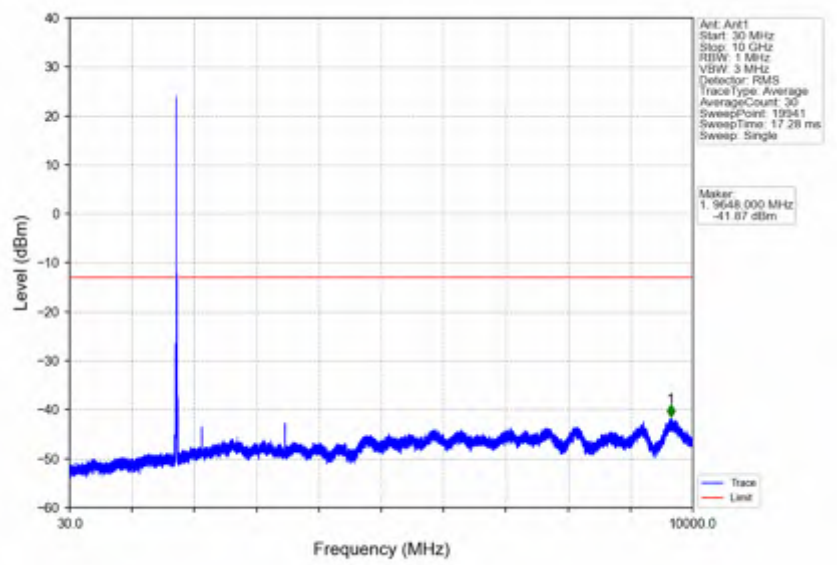


Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

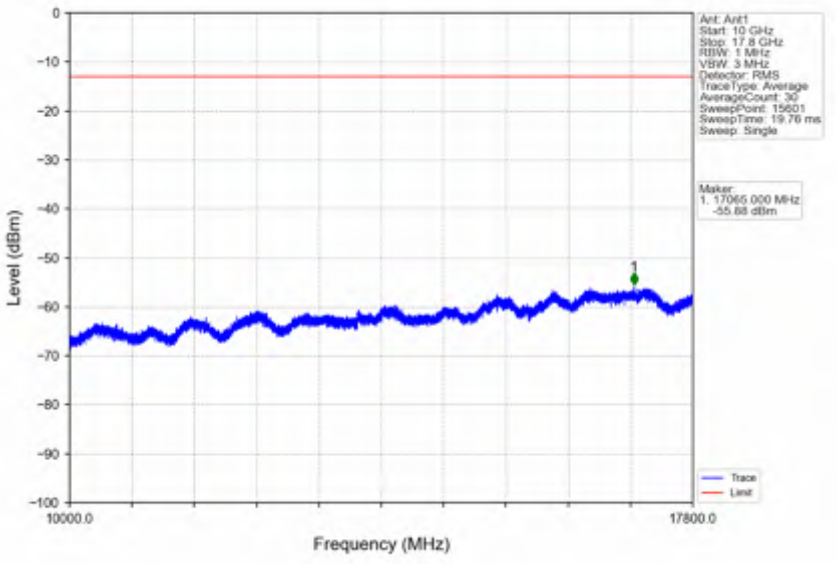


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-24.86	-13	Pass
1709	1710	0.15	/	2	1709.010	-30.22	-13	Pass
1710	1725	0.15	/	/	/	/	/	/

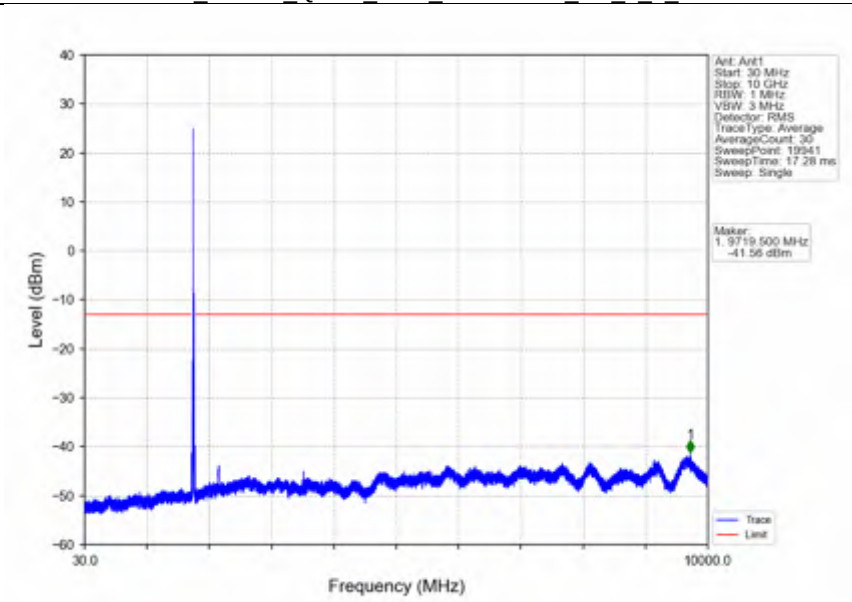
Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



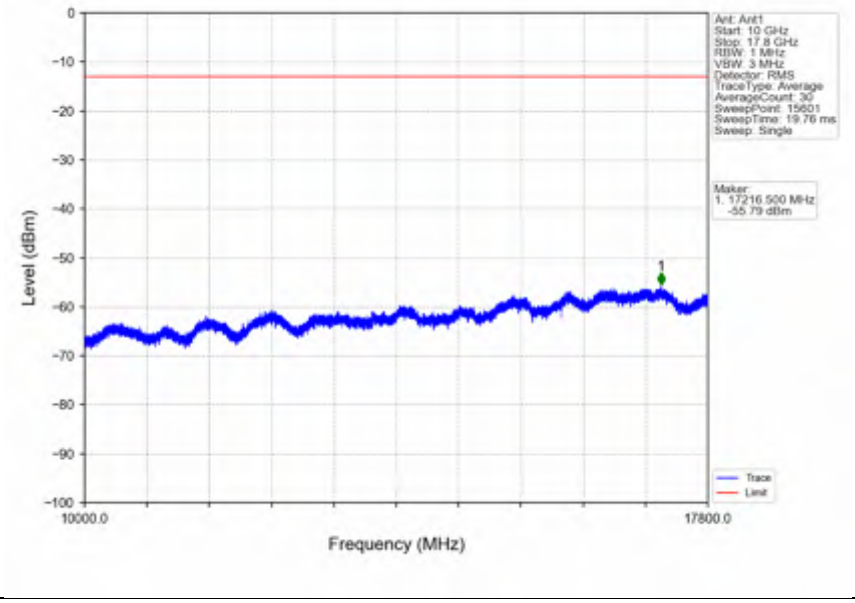
Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



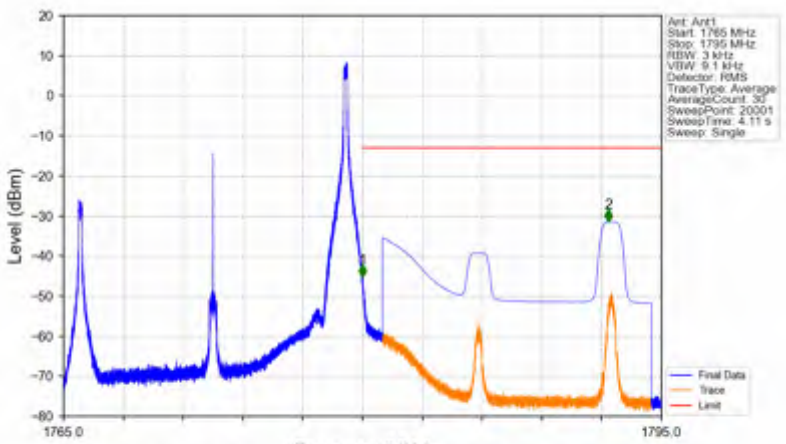
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV



Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV

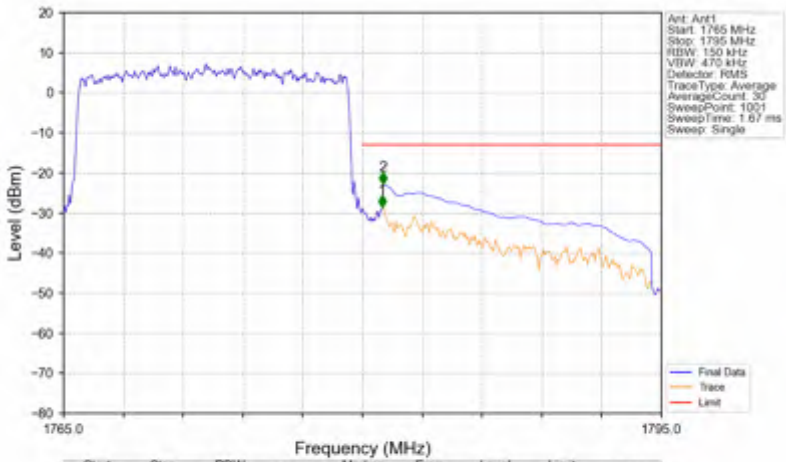


Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_74_NTNV



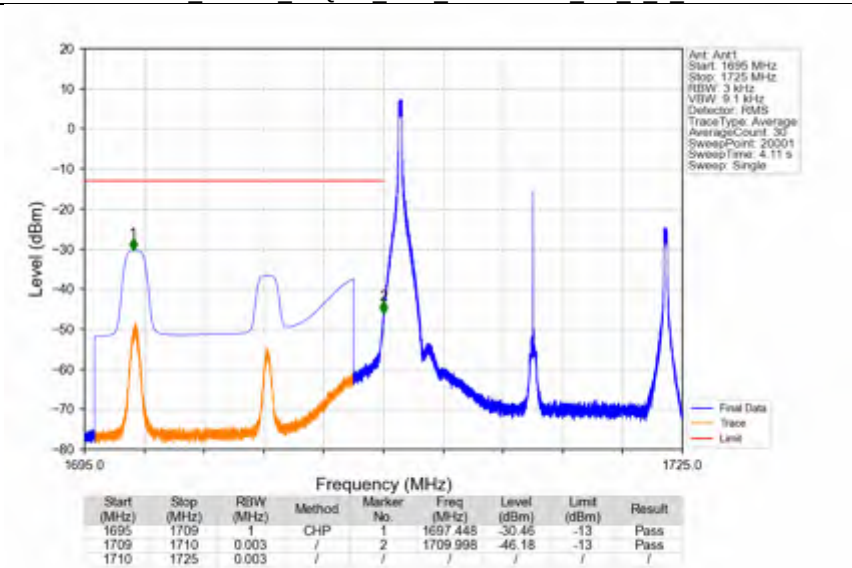
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.003	-45.27	-13	Pass
1781	1795	1	CHP	2	1792.341	-31.49	-13	Pass

Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



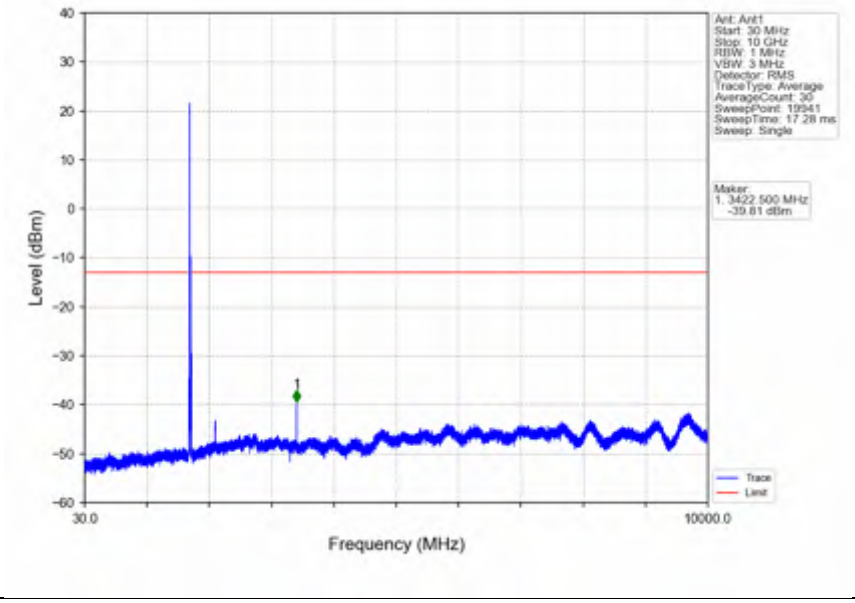
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.15	/	/	/	/	/	/
1780	1781	0.15	/	1	1780.990	-28.63	-13	Pass
1781	1795	1	CHP	2	1781.020	-22.93	-13	Pass

Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

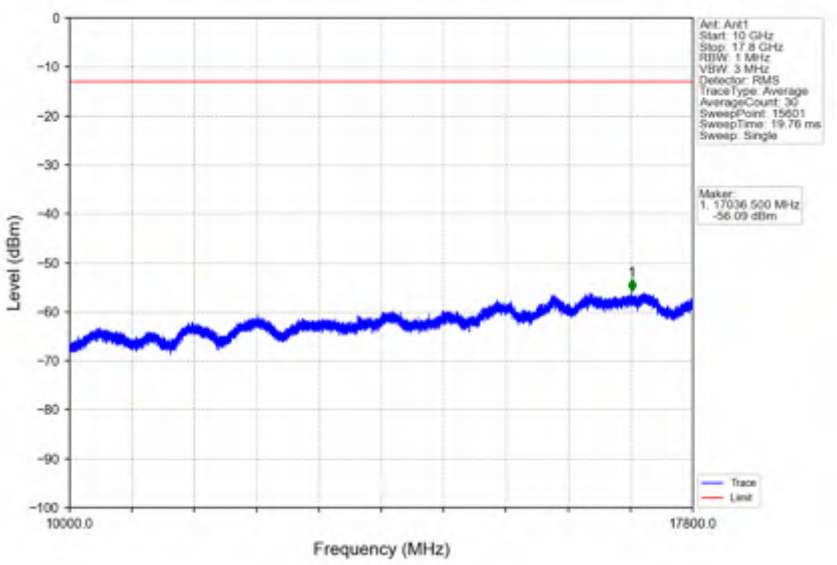


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1697.448	-30.46	-13	Pass
1709	1710	0.003	/	2	1709.998	-46.18	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

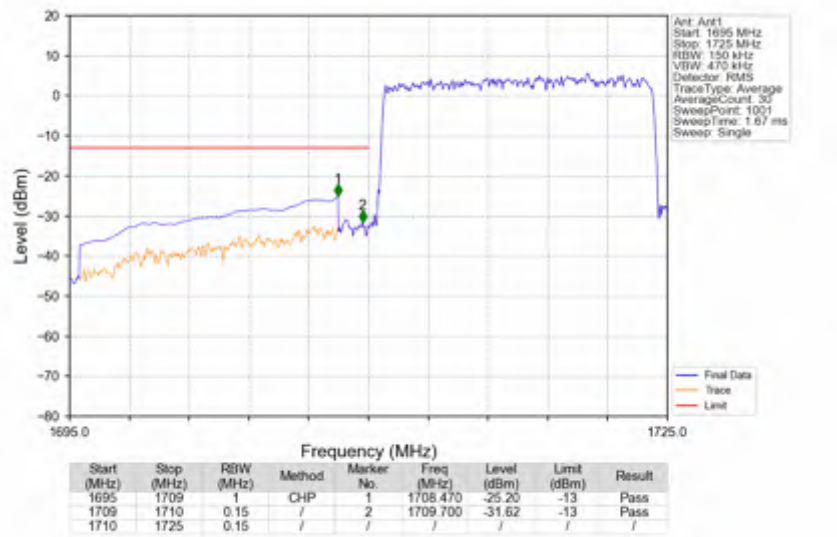
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band66_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV

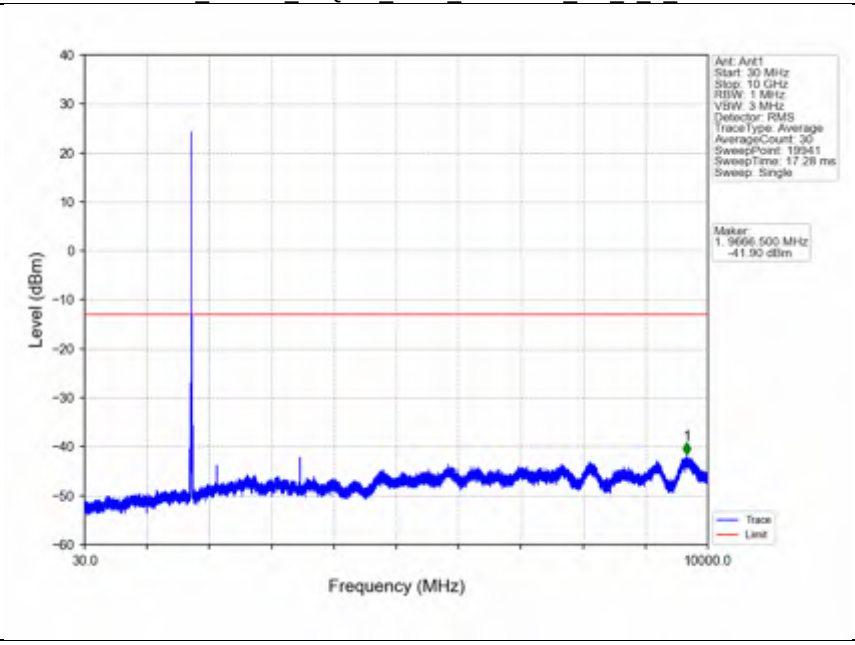


Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

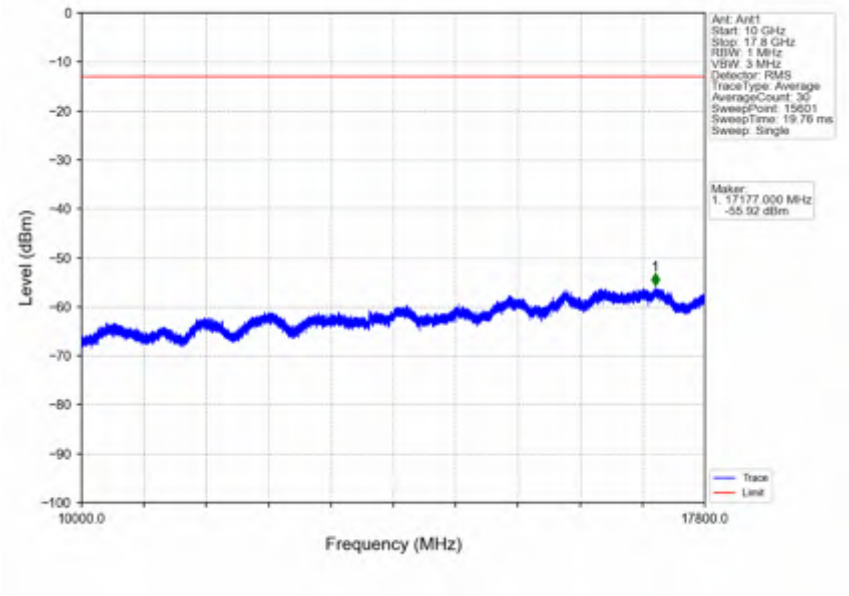


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-25.20	-13	Pass
1709	1710	0.15	/	2	1709.700	-31.62	-13	Pass
1710	1725	0.15	/	/	/	/	/	/

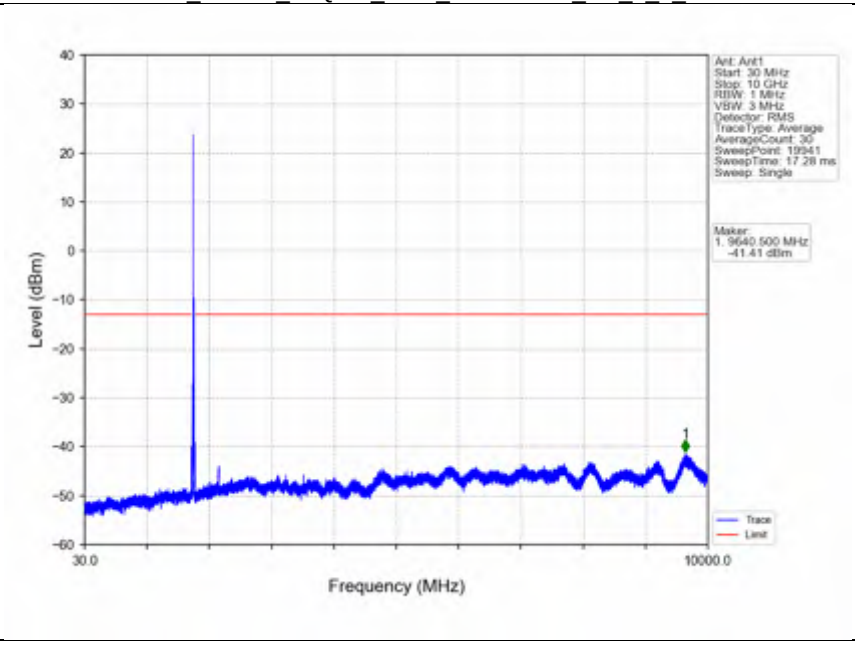
Band66_15MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



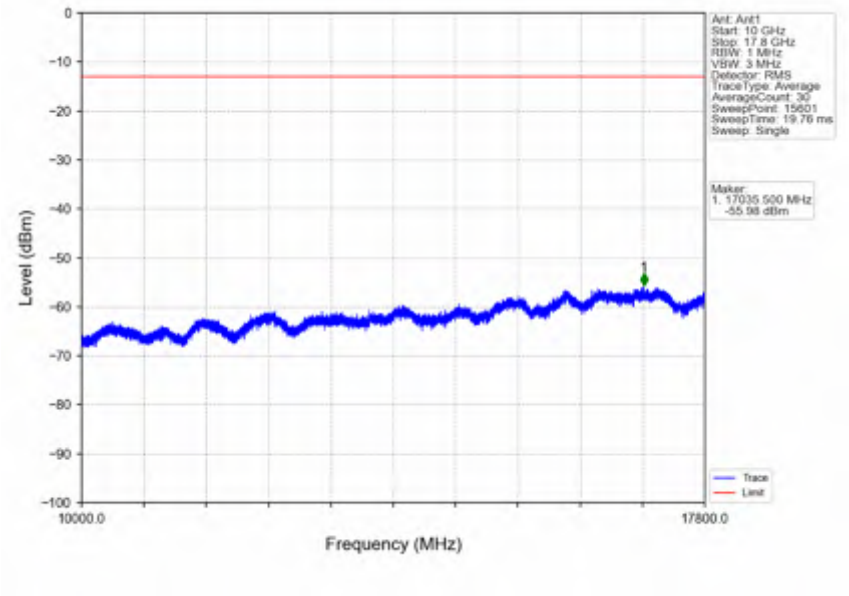
Band66_15MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



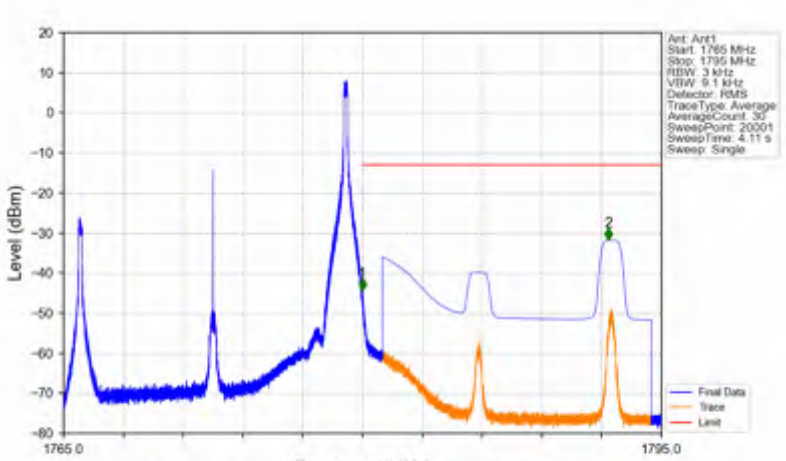
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_0_NTNV



Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_0_NTNV

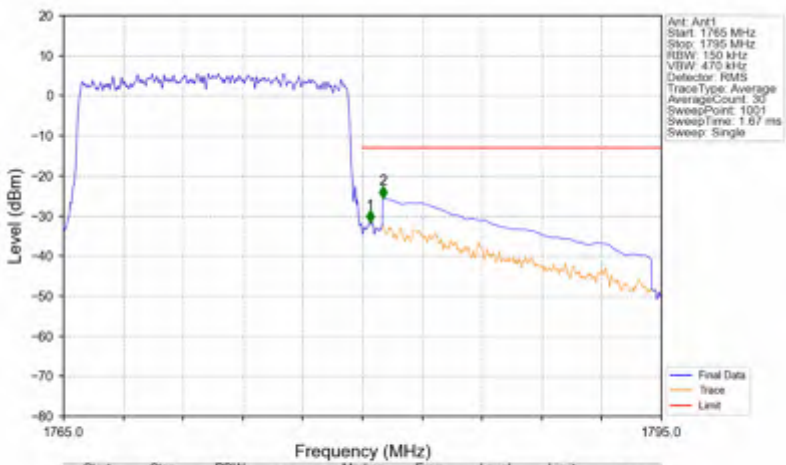


Band66_15MHz_16QAM_HCH_1772.5MHz_RB_1_74_NTNV



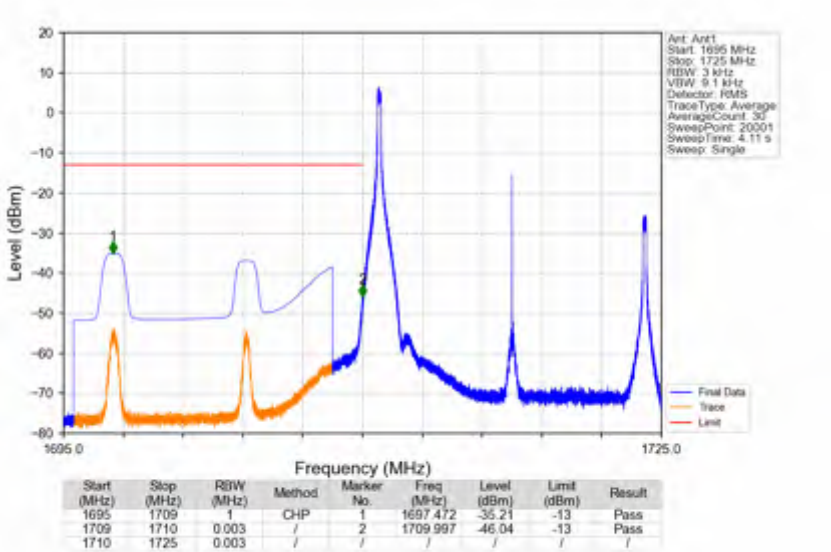
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.002	-44.41	-13	Pass
1781	1795	1	CHP	2	1792.342	-31.92	-13	Pass

Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



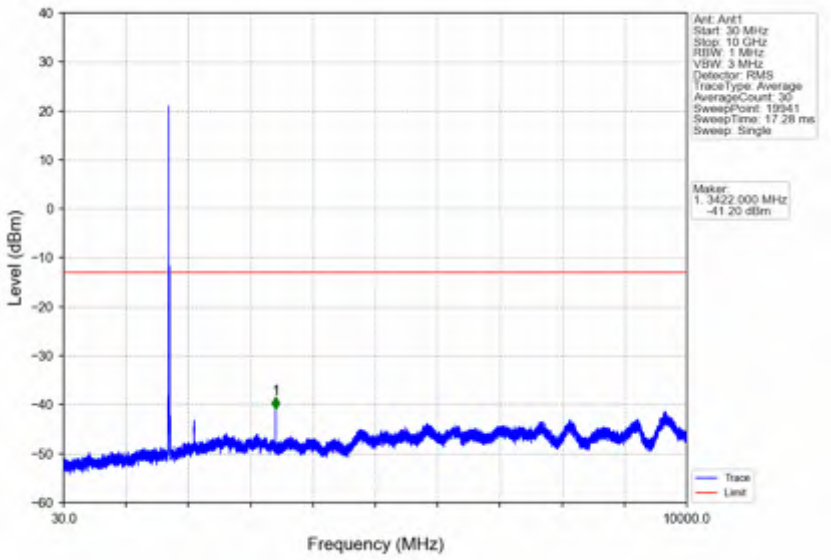
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.15	/	/	/	/	/	/
1780	1781	0.15	/	1	1780.390	-31.63	-13	Pass
1781	1795	1	CHP	2	1781.020	-25.60	-13	Pass

Band66_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV

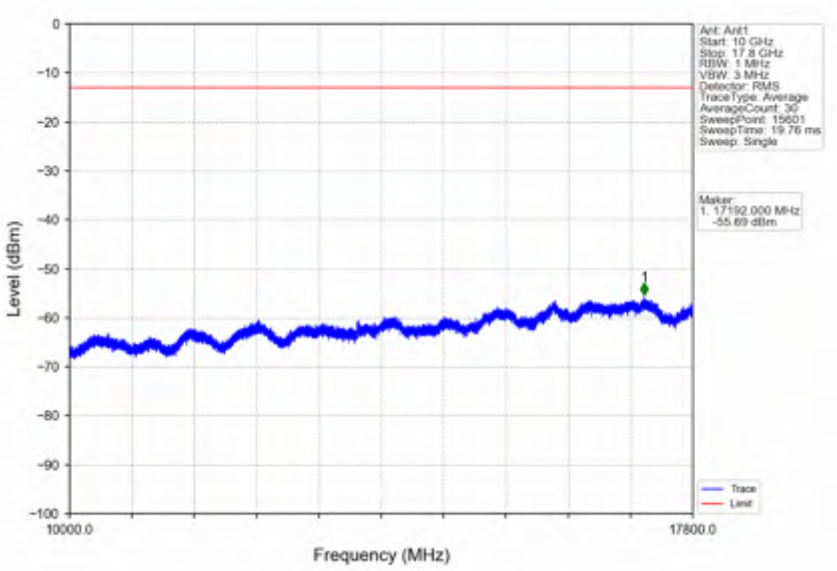


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1697.472	-35.21	-13	Pass
1709	1710	0.003	/	2	1709.997	-46.04	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

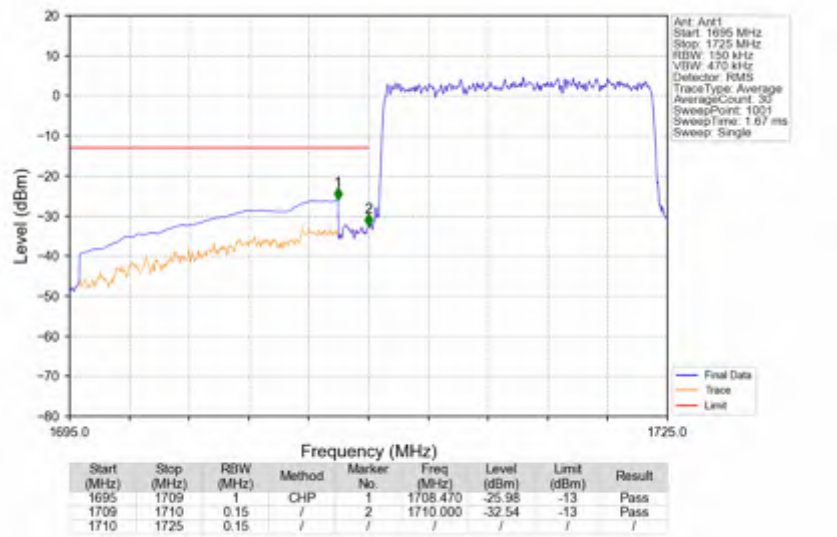
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV



Band66_15MHz_64QAM_LCH_1717.5MHz_RB_1_0_NTNV

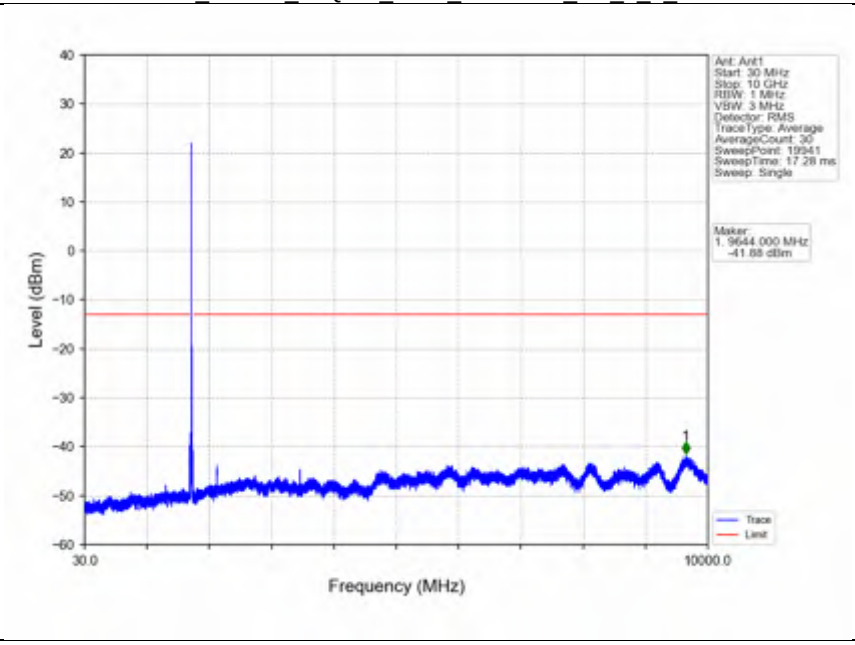


Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV

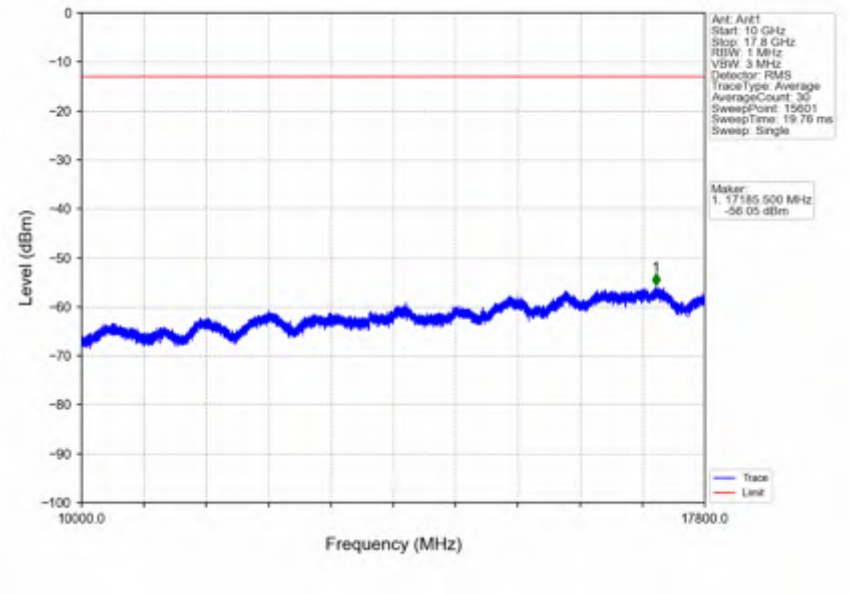


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.470	-25.98	-13	Pass
1709	1710	0.15	/	2	1710.000	-32.54	-13	Pass
1710	1725	0.15	/	/	/	/	/	/

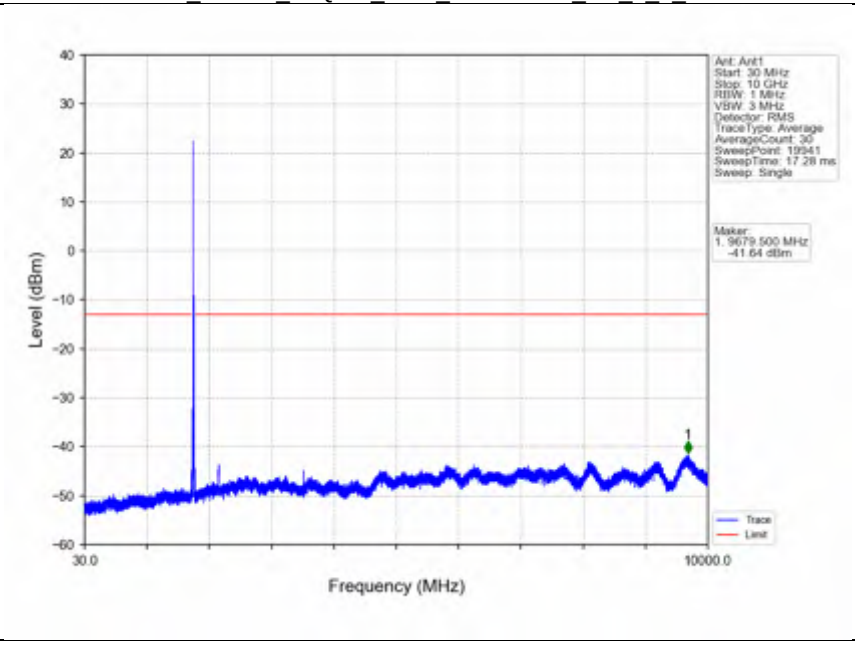
Band66_15MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



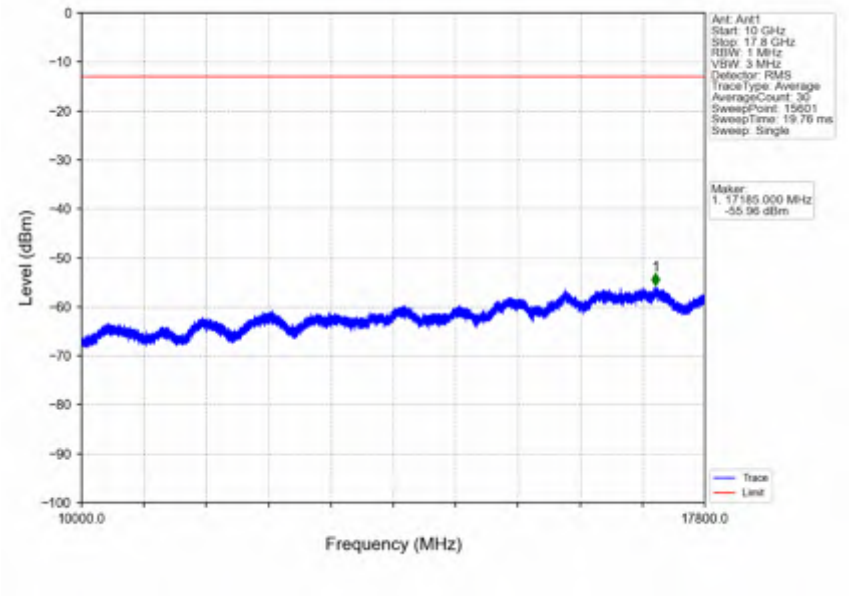
Band66_15MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



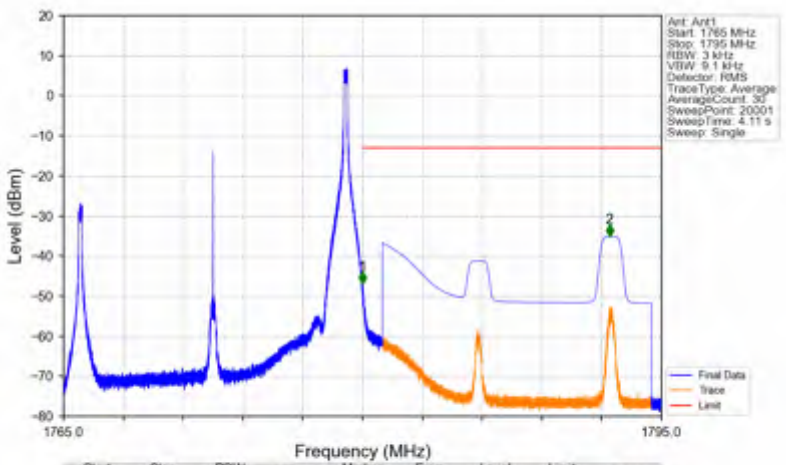
Band66_15MHz_64QAM_HCH_1772.5MHz_RB_1_0_NTNV



Band66_15MHz_64QAM_HCH_1772.5MHz_RB_1_0_NTNV

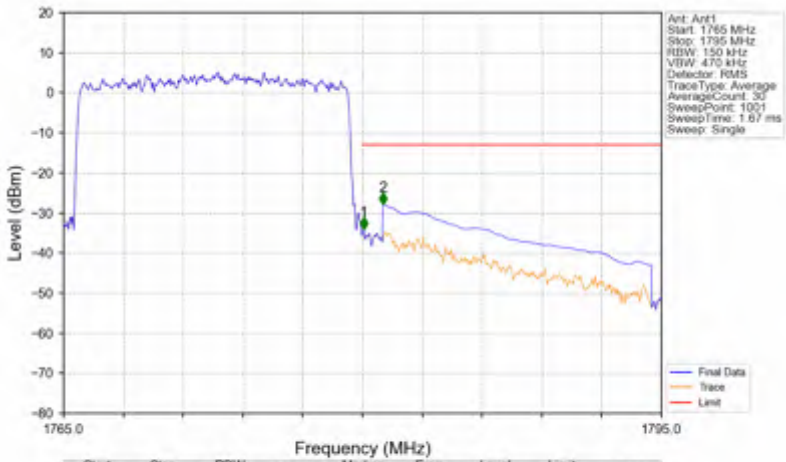


Band66_15MHz_64QAM_HCH_1772.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.003	-47.08	-13	Pass
1781	1795	1	CHP	2	1792.395	-35.18	-13	Pass

Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.15	/	/	/	/	/	/
1780	1781	0.15	/	1	1780.060	-34.09	-13	Pass
1781	1795	1	CHP	2	1781.020	-27.94	-13	Pass

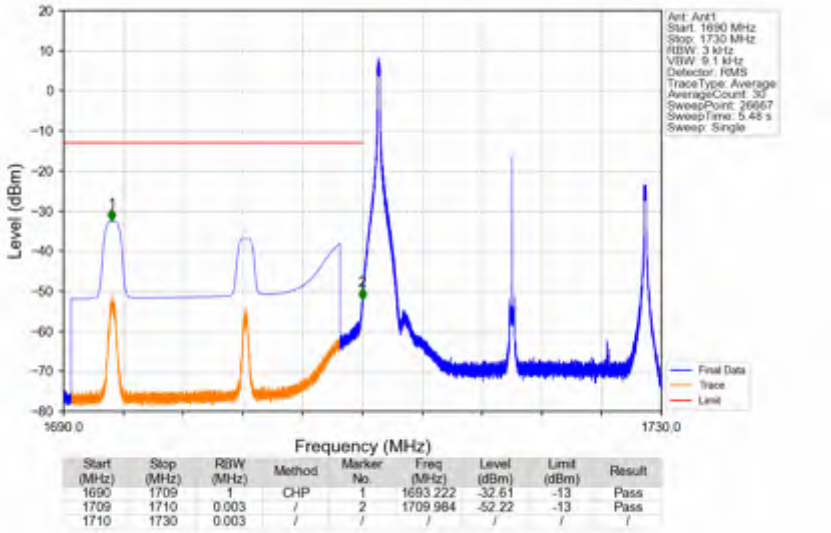
6.6 B66_20MHz

6.6.1 Test Result

Band: 66 / 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
	1745	1	0	Refer To Test Graph		Pass
	1770	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
	1745	1	0	Refer To Test Graph		Pass
	1770	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
64QAM	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1770	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

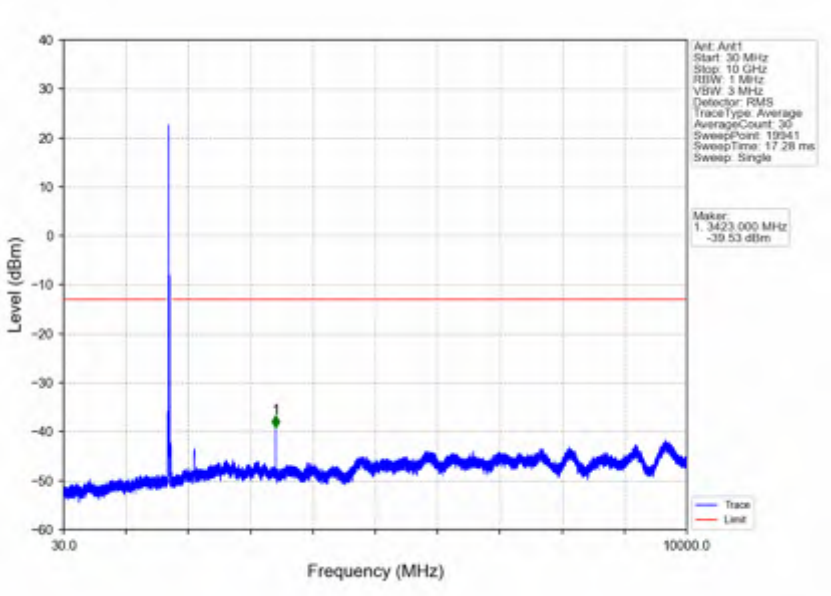
6.6.2 Test Graph

Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

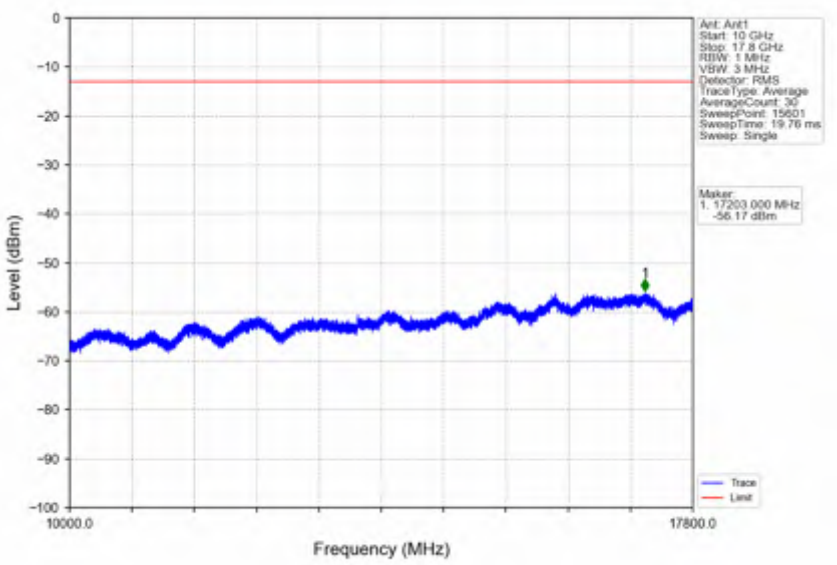


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1693.222	-32.61	-13	Pass
1709	1710	0.003	/	2	1709.984	-52.22	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

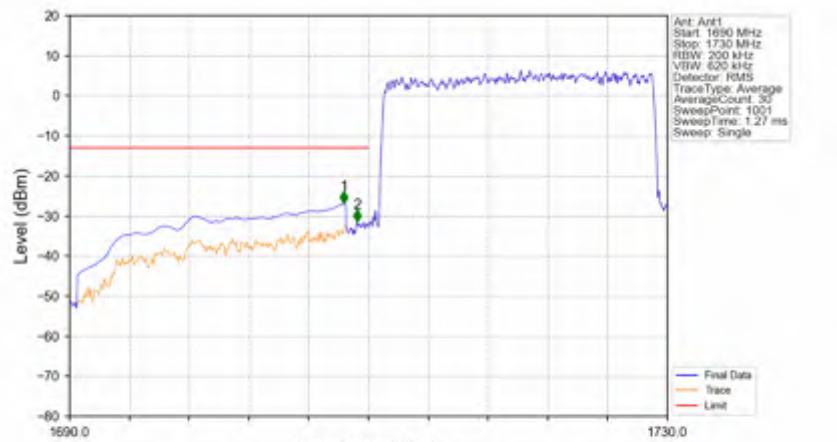
Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

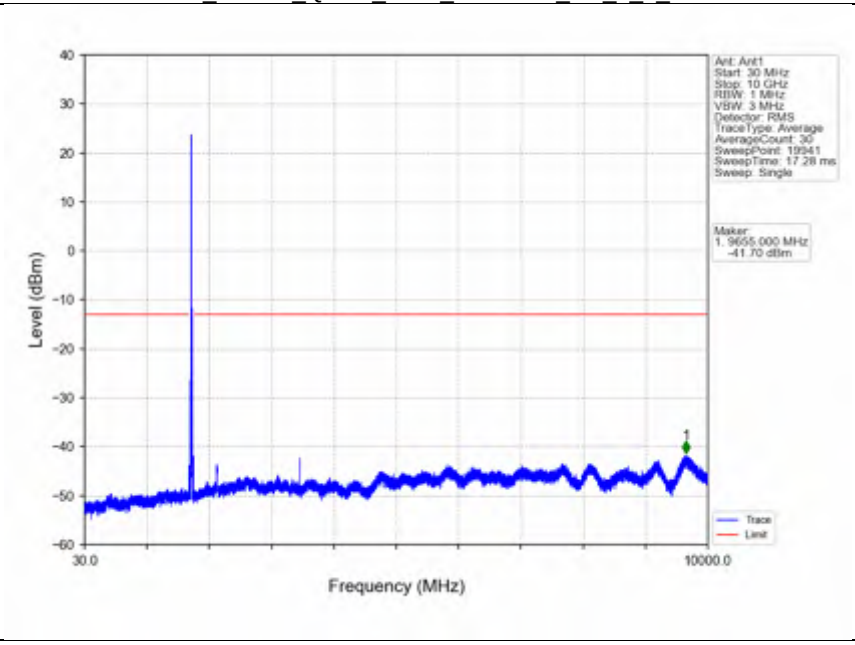


Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

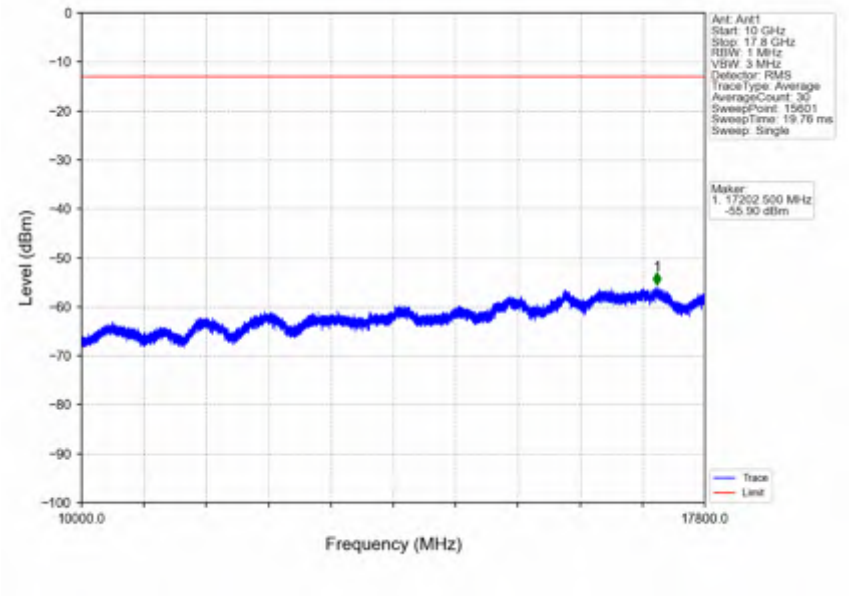


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.360	-26.99	-13	Pass
1709	1710	0.2	/	2	1709.240	-31.58	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

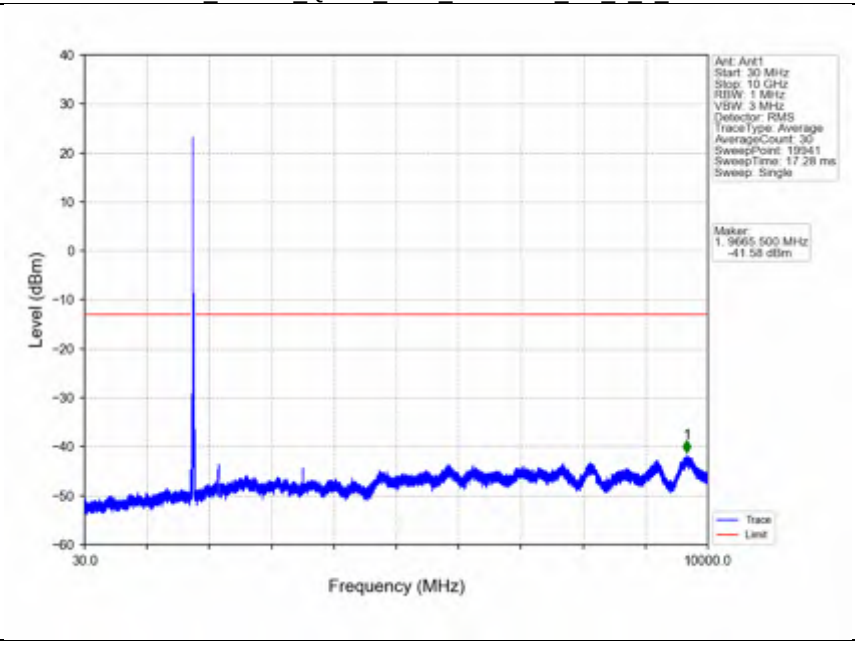
Band66_20MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



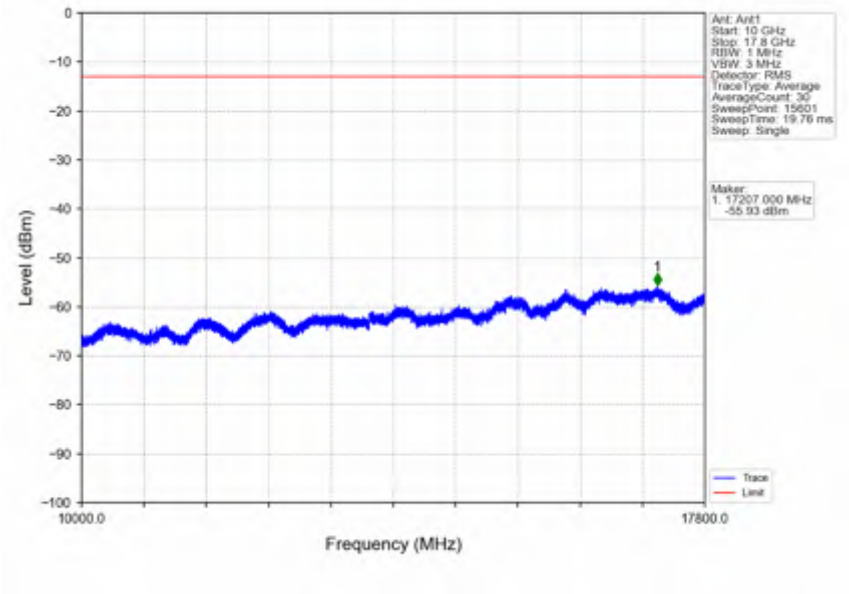
Band66_20MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



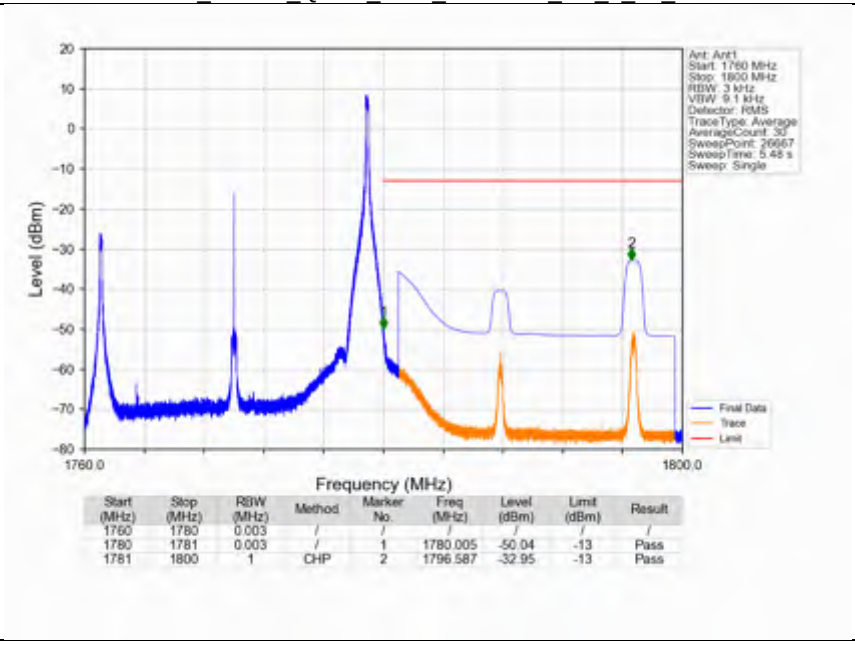
Band66_20MHz_QPSK_HCH_1770MHz_RB_1_0_NTNV



Band66_20MHz_QPSK_HCH_1770MHz_RB_1_0_NTNV

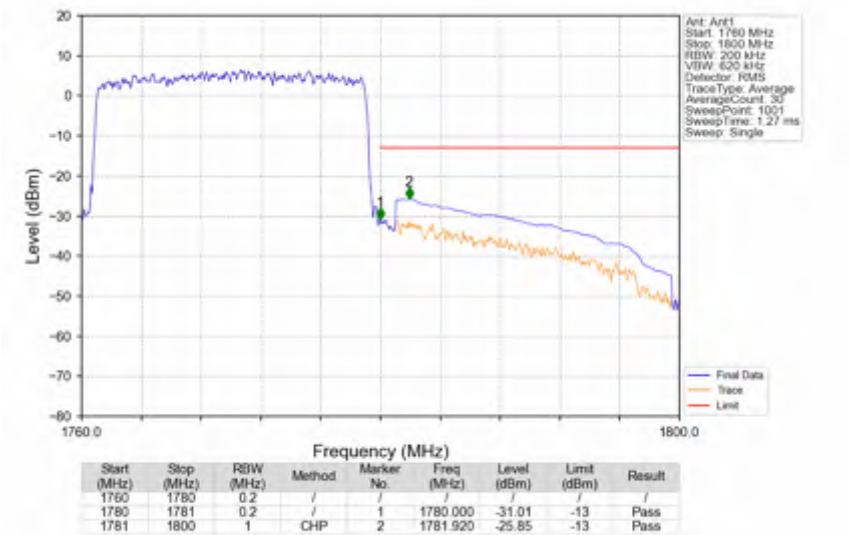


Band66_20MHz_QPSK_HCH_1770MHz_RB_1_99_NTNV



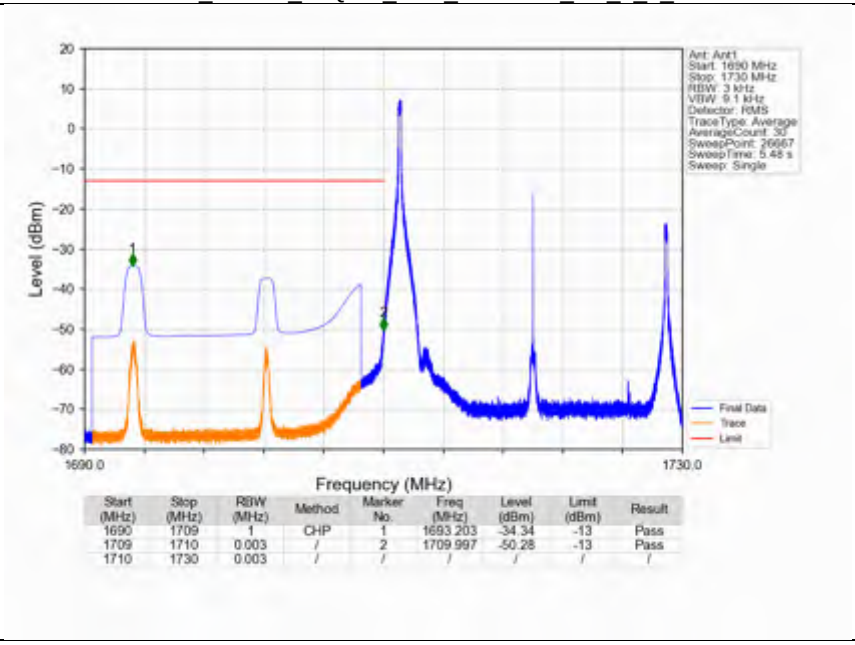
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1760	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.005	-50.04	-13	Pass
1781	1800	1	CHP	2	1796.587	-32.95	-13	Pass

Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



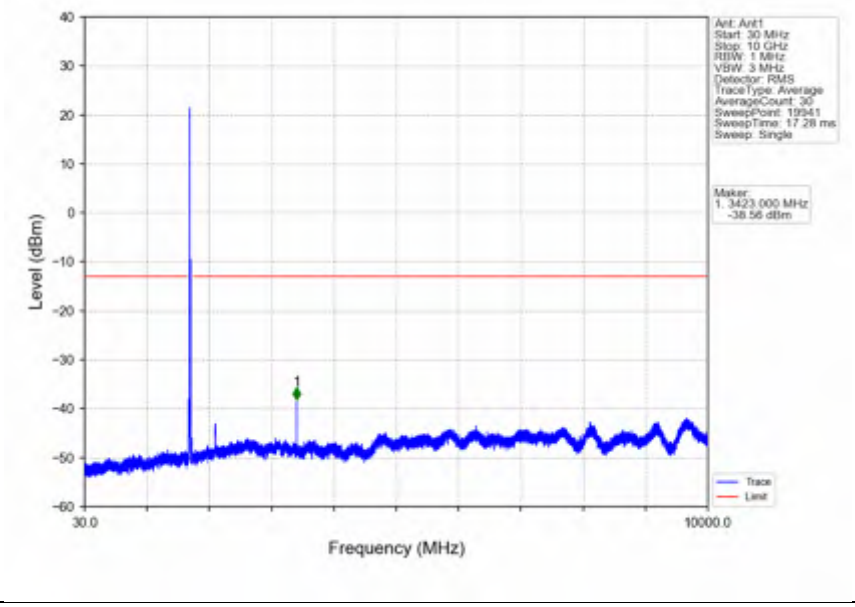
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1760	1780	0.2	/	/	/	/	/	/
1780	1781	0.2	/	1	1780.000	-31.01	-13	Pass
1781	1800	1	CHP	2	1781.920	-25.85	-13	Pass

Band66_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

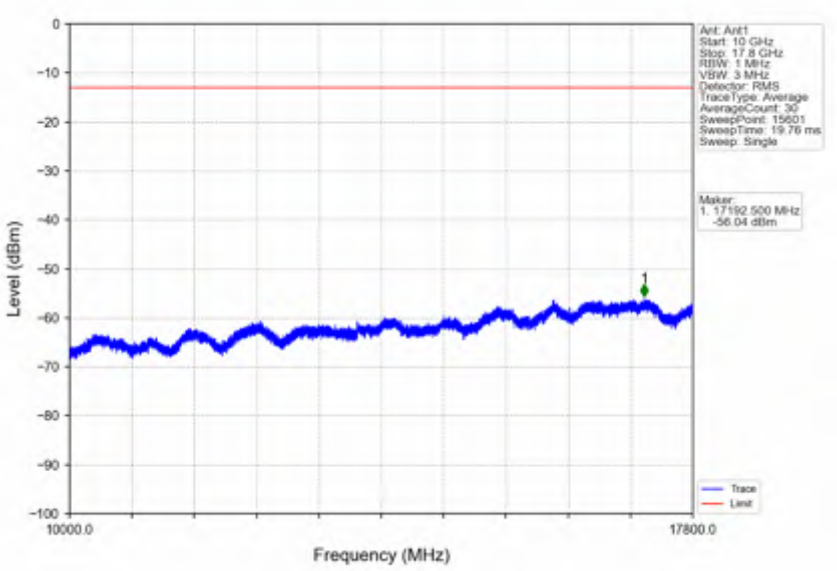


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1693.203	-34.34	-13	Pass
1709	1710	0.003	/	2	1709.997	-50.28	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

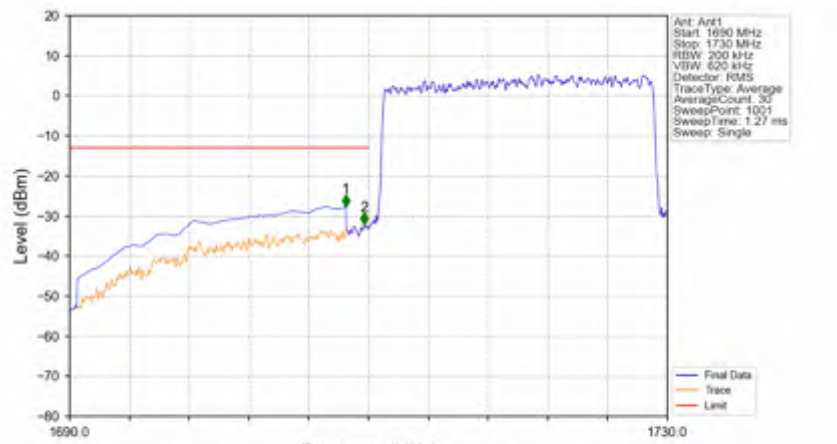
Band66_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV



Band66_20MHz_16QAM_LCH_1720MHz_RB_1_0_NTNV

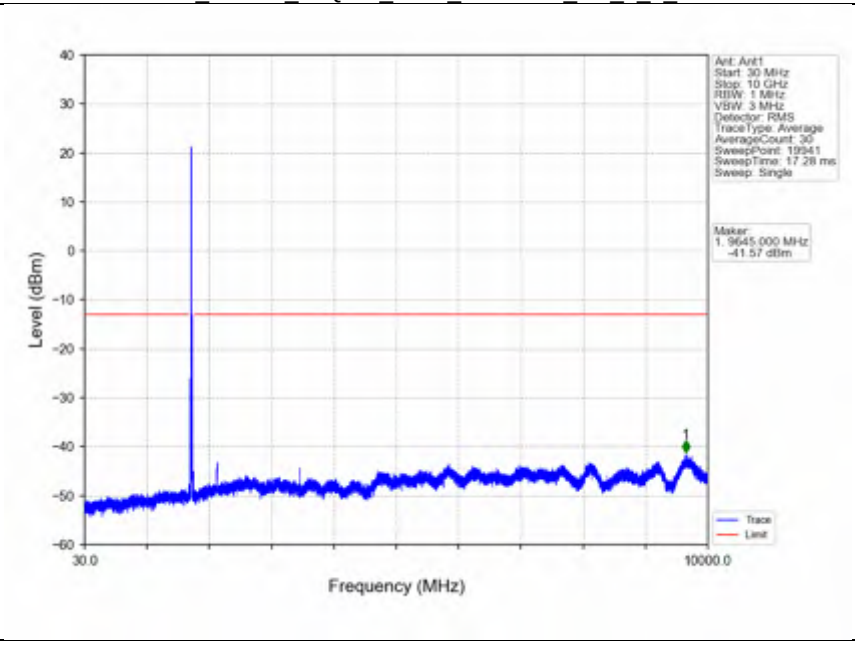


Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

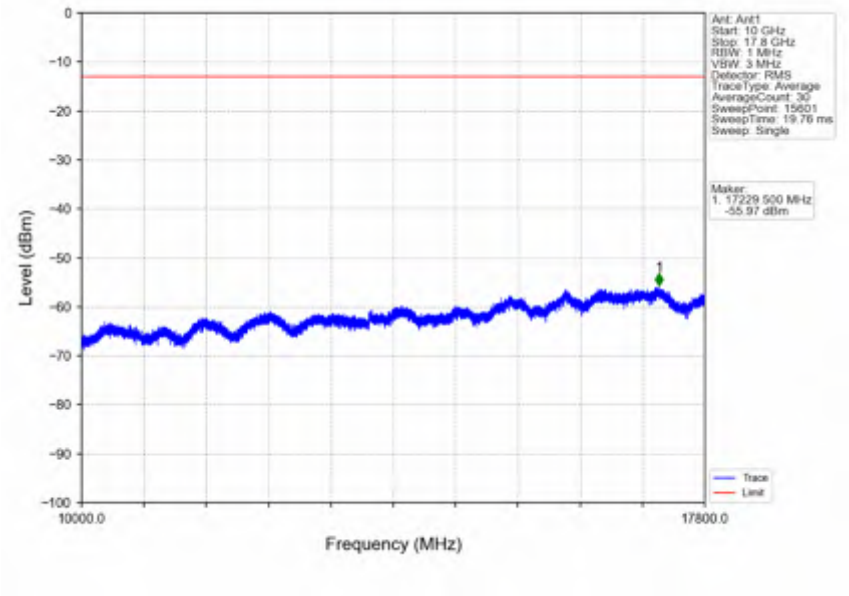


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-27.71	-13	Pass
1709	1710	0.2	/	2	1709.720	-32.19	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

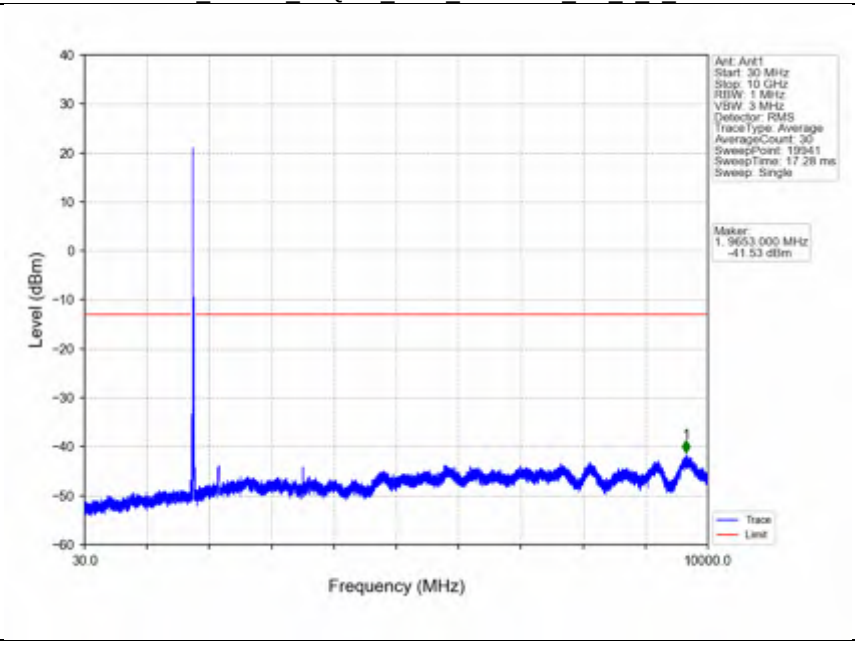
Band66_20MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



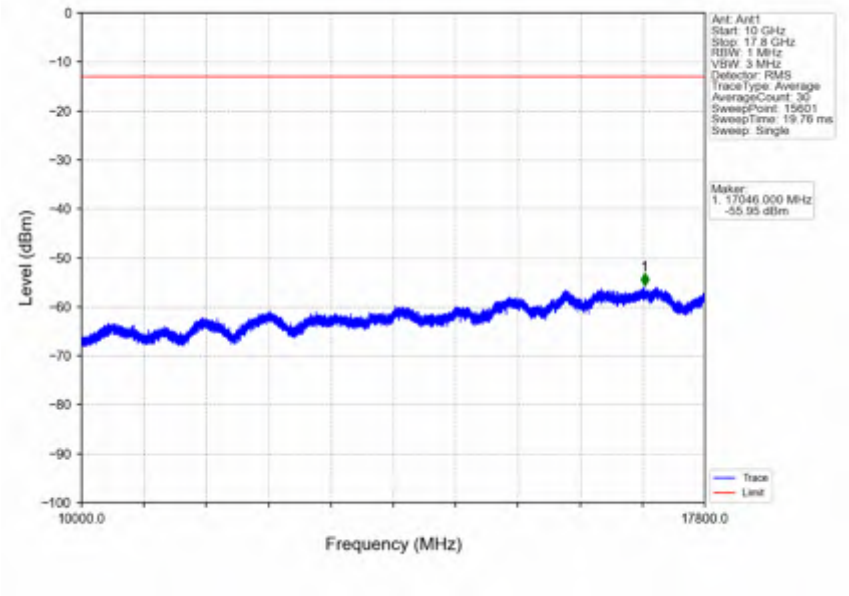
Band66_20MHz_16QAM_MCH_1745MHz_RB_1_0_NTNV



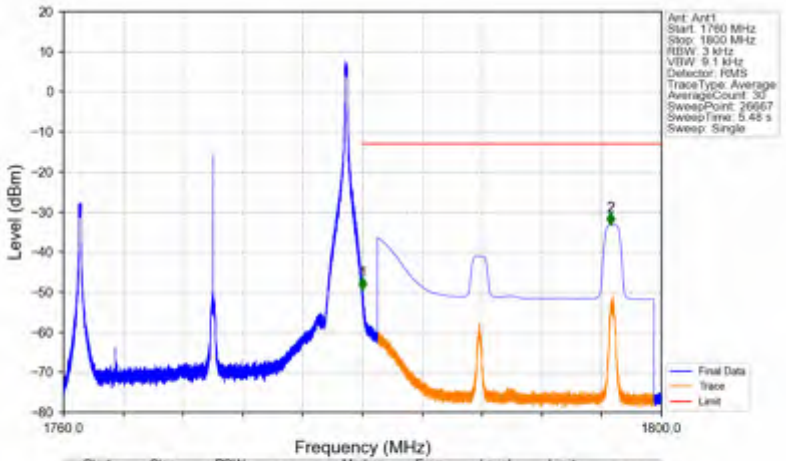
Band66_20MHz_16QAM_HCH_1770MHz_RB_1_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_1_0_NTNV

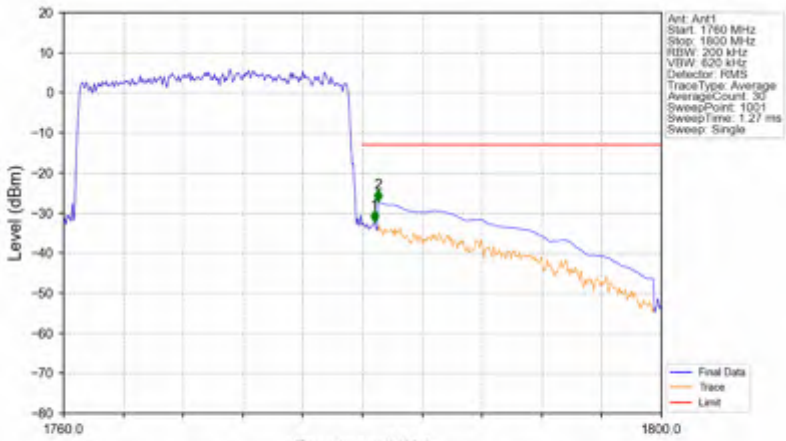


Band66_20MHz_16QAM_HCH_1770MHz_RB_1_99_NTNV



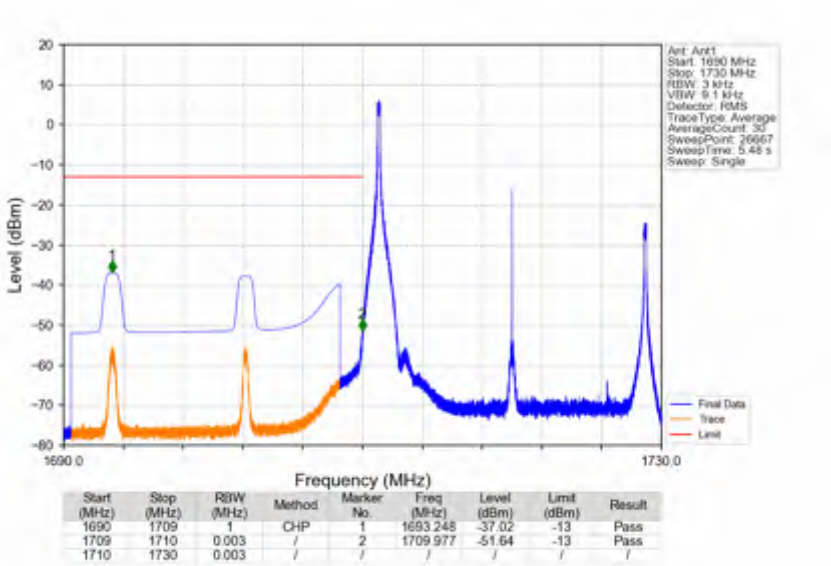
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1760	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.007	-49.40	-13	Pass
1781	1800	1	CHP	2	1796.613	-33.32	-13	Pass

Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



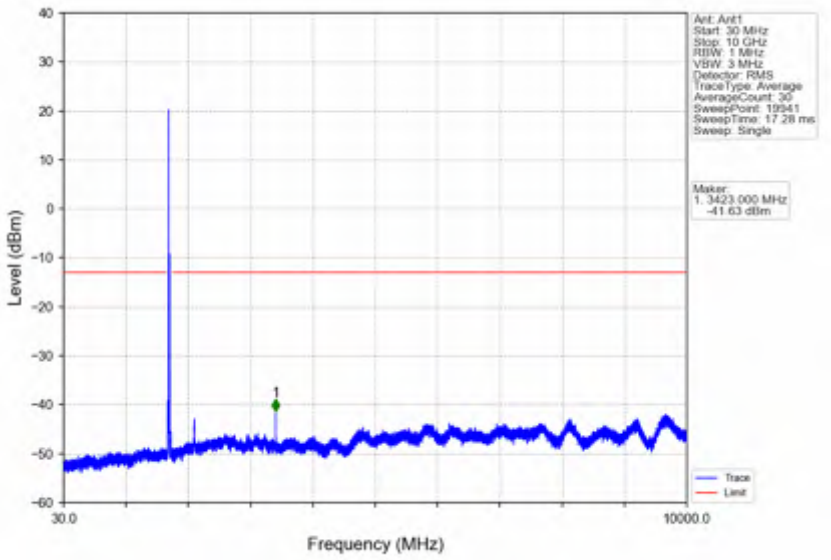
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1760	1780	0.2	/	/	/	/	/	/
1780	1781	0.2	/	1	1780.800	-32.33	-13	Pass
1781	1800	1	CHP	2	1781.040	-27.21	-13	Pass

Band66_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV

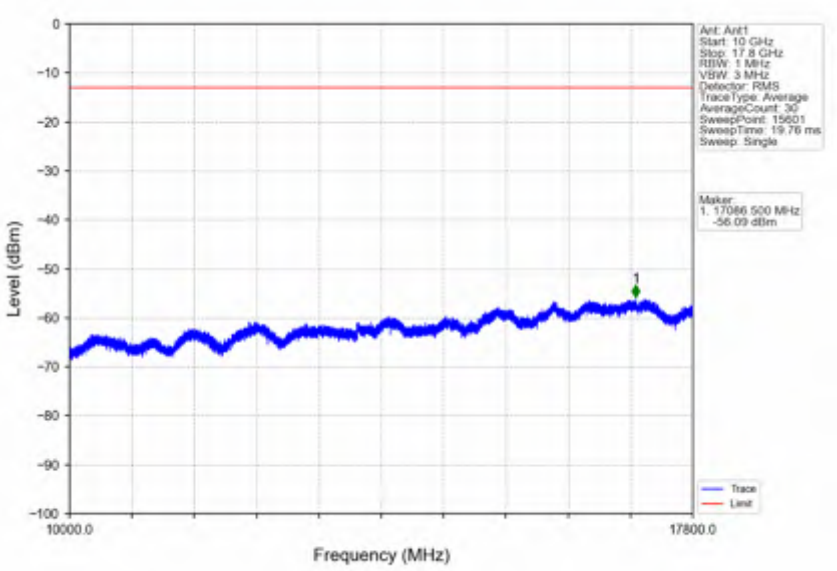


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1693.248	-37.02	-13	Pass
1709	1710	0.003	/	2	1709.977	-51.64	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

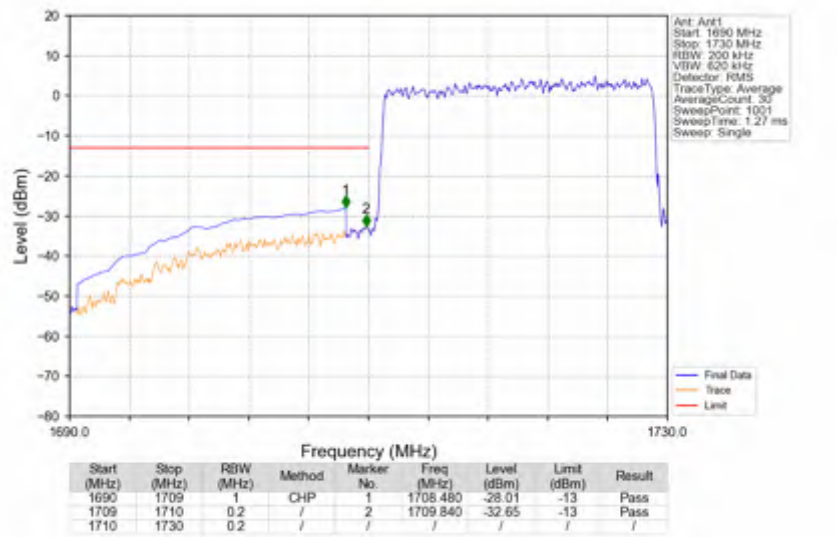
Band66_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV



Band66_20MHz_64QAM_LCH_1720MHz_RB_1_0_NTNV

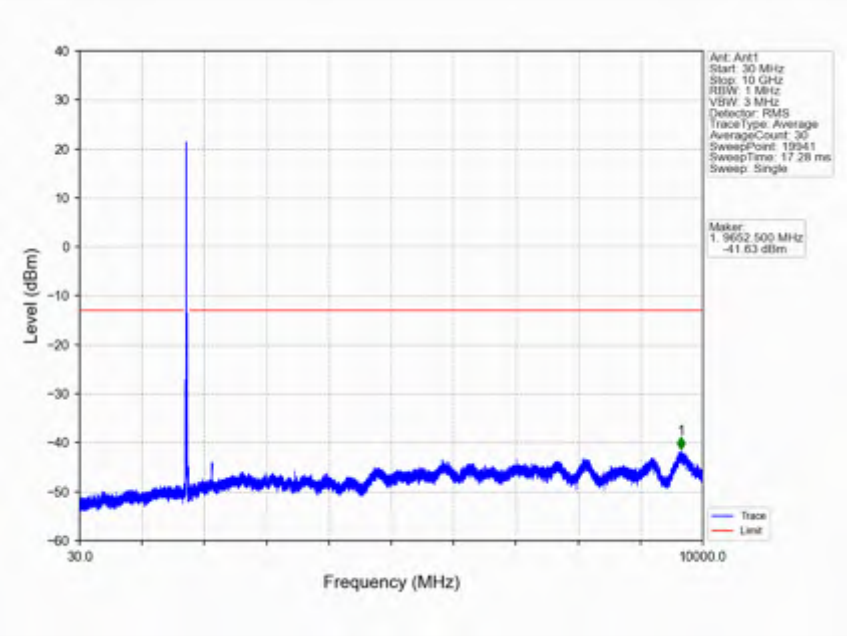


Band66_20MHz_64QAM_LCH_1720MHz_RB_100_0_NTNV

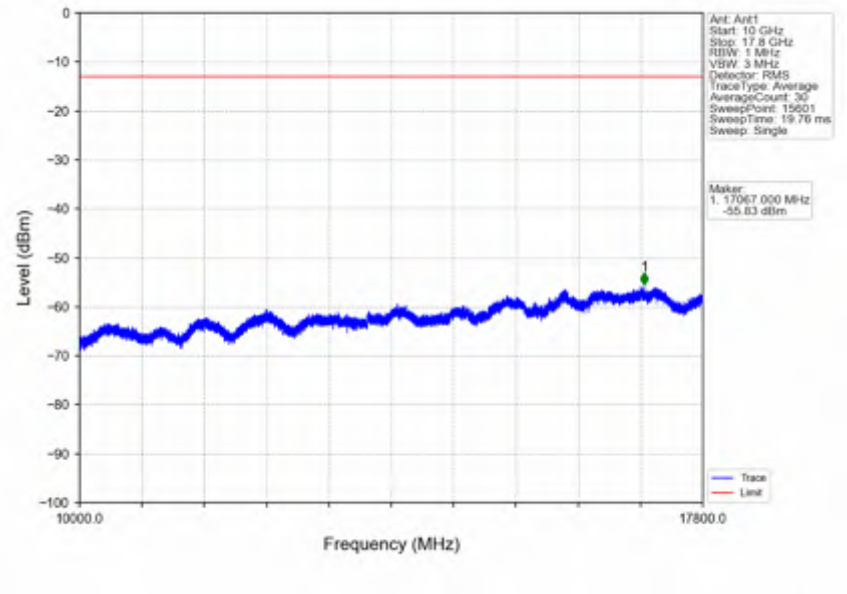


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.480	-28.01	-13	Pass
1709	1710	0.2	/	2	1709.840	-32.65	-13	Pass
1710	1730	0.2	/	/	/	/	/	/

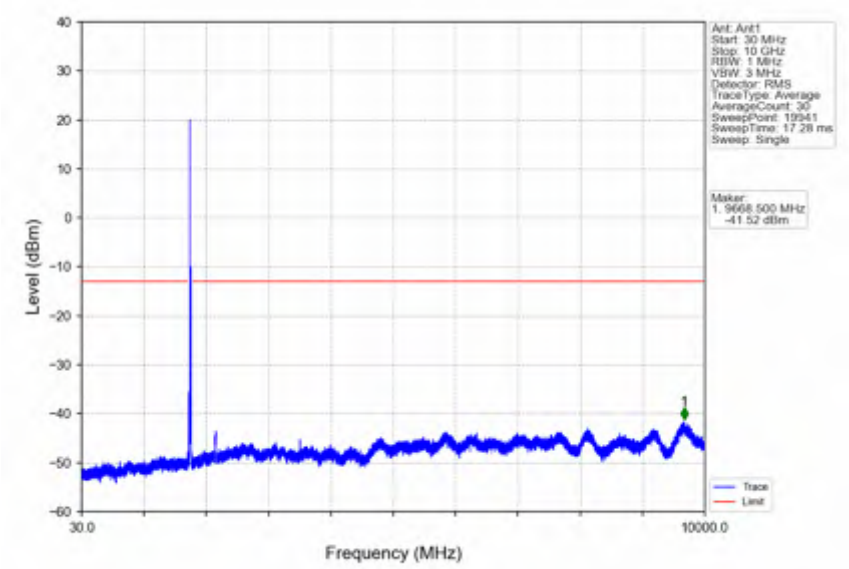
Band66_20MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



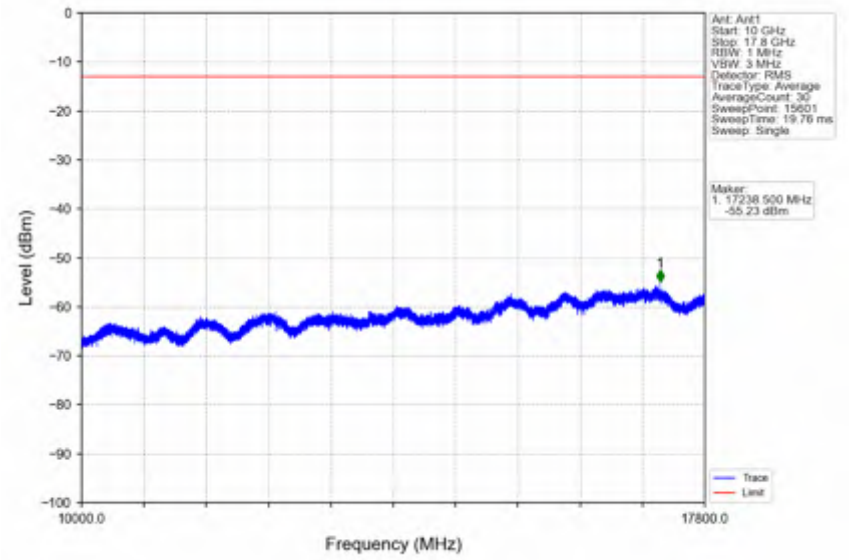
Band66_20MHz_64QAM_MCH_1745MHz_RB_1_0_NTNV



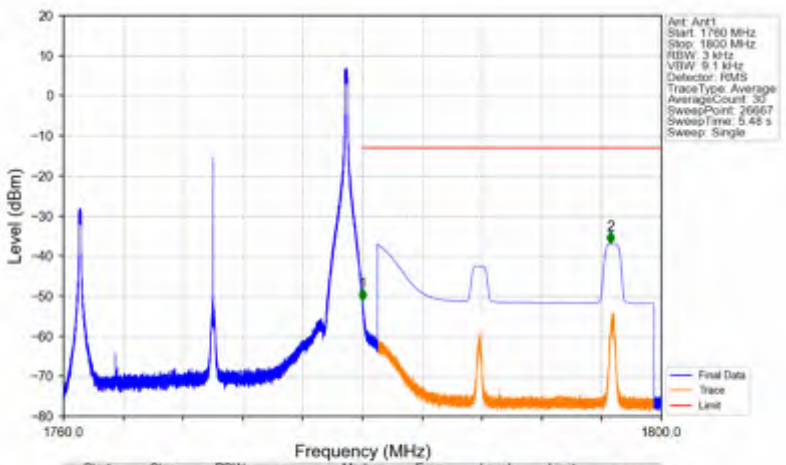
Band66_20MHz_64QAM_HCH_1770MHz_RB_1_0_NTNV



Band66_20MHz_64QAM_HCH_1770MHz_RB_1_0_NTNV

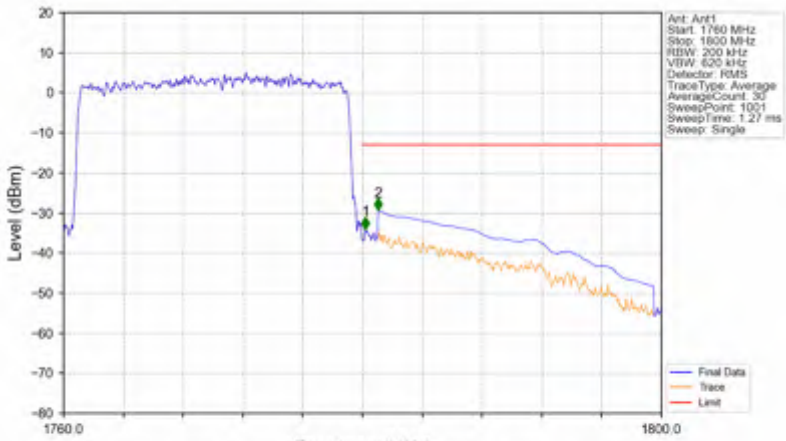


Band66_20MHz_64QAM_HCH_1770MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1760	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.007	-51.18	-13	Pass
1781	1800	1	CHP	2	1796.581	-36.99	-13	Pass

Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1760	1780	0.2	/	/	/	/	/	/
1780	1781	0.2	/	1	1780.200	-34.07	-13	Pass
1781	1800	1	CHP	2	1781.040	-29.45	-13	Pass