

1. Effective (Isotropic) Radiated Power Output Data

1.1 B66_1.4MHz_EIRP(ANT41)

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	23.37	-1.70	21.67	<=30	Pass
			2	23.58	-1.70	21.88	<=30	Pass
			5	23.35	-1.70	21.65	<=30	Pass
		3	0	23.45	-1.70	21.75	<=30	Pass
			2	23.38	-1.70	21.68	<=30	Pass
			3	23.36	-1.70	21.66	<=30	Pass
		6	0	22.43	-1.70	20.73	<=30	Pass
	1745	1	0	23.49	-1.70	21.79	<=30	Pass
			2	23.52	-1.70	21.82	<=30	Pass
			5	23.51	-1.70	21.81	<=30	Pass
		3	0	23.50	-1.70	21.80	<=30	Pass
			2	23.54	-1.70	21.84	<=30	Pass
			3	23.46	-1.70	21.76	<=30	Pass
		6	0	22.51	-1.70	20.81	<=30	Pass
	1779.3	1	0	23.36	-1.70	21.66	<=30	Pass
			2	23.24	-1.70	21.54	<=30	Pass
			5	23.27	-1.70	21.57	<=30	Pass
		3	0	23.37	-1.70	21.67	<=30	Pass
			2	23.31	-1.70	21.61	<=30	Pass
			3	23.35	-1.70	21.65	<=30	Pass
		6	0	22.35	-1.70	20.65	<=30	Pass
16QAM	1710.7	1	0	22.44	-1.70	20.74	<=30	Pass
			2	22.11	-1.70	20.41	<=30	Pass
			5	22.18	-1.70	20.48	<=30	Pass
		3	0	22.21	-1.70	20.51	<=30	Pass
			2	22.17	-1.70	20.47	<=30	Pass
			3	22.02	-1.70	20.32	<=30	Pass
		6	0	21.49	-1.70	19.79	<=30	Pass
	1745	1	0	22.24	-1.70	20.54	<=30	Pass
			2	22.47	-1.70	20.77	<=30	Pass
			5	22.29	-1.70	20.59	<=30	Pass
		3	0	22.20	-1.70	20.50	<=30	Pass
			2	22.14	-1.70	20.44	<=30	Pass
			3	22.19	-1.70	20.49	<=30	Pass
		6	0	21.54	-1.70	19.84	<=30	Pass
	1779.3	1	0	22.20	-1.70	20.50	<=30	Pass
			2	22.19	-1.70	20.49	<=30	Pass
			5	22.36	-1.70	20.66	<=30	Pass
		3	0	22.03	-1.70	20.33	<=30	Pass
			2	22.12	-1.70	20.42	<=30	Pass
			3	22.09	-1.70	20.39	<=30	Pass
		6	0	21.40	-1.70	19.70	<=30	Pass
64QAM	1710.7	1	0	21.91	-1.70	20.21	<=30	Pass
			2	21.91	-1.70	20.21	<=30	Pass
			5	22.09	-1.70	20.39	<=30	Pass
		3	0	22.08	-1.70	20.38	<=30	Pass
			2	21.99	-1.70	20.29	<=30	Pass
			3	22.07	-1.70	20.37	<=30	Pass
		6	0	21.43	-1.70	19.73	<=30	Pass

	1745	1	0	22.18	-1.70	20.48	<=30	Pass
			2	22.06	-1.70	20.36	<=30	Pass
			5	21.93	-1.70	20.23	<=30	Pass
		3	0	22.07	-1.70	20.37	<=30	Pass
			2	22.12	-1.70	20.42	<=30	Pass
			3	22.14	-1.70	20.44	<=30	Pass
		6	0	21.52	-1.70	19.82	<=30	Pass
	1779.3	1	0	21.91	-1.70	20.21	<=30	Pass
			2	21.97	-1.70	20.27	<=30	Pass
			5	21.99	-1.70	20.29	<=30	Pass
		3	0	21.96	-1.70	20.26	<=30	Pass
			2	21.91	-1.70	20.21	<=30	Pass
			3	22.04	-1.70	20.34	<=30	Pass
		6	0	21.34	-1.70	19.64	<=30	Pass
256QAM	1710.7	1	0	20.65	-1.70	18.95	<=30	Pass
			2	20.47	-1.70	18.77	<=30	Pass
			5	20.47	-1.70	18.77	<=30	Pass
		3	0	20.38	-1.70	18.68	<=30	Pass
			2	20.44	-1.70	18.74	<=30	Pass
			3	20.46	-1.70	18.76	<=30	Pass
		6	0	20.40	-1.70	18.70	<=30	Pass
	1745	1	0	20.63	-1.70	18.93	<=30	Pass
			2	20.66	-1.70	18.96	<=30	Pass
			5	20.51	-1.70	18.81	<=30	Pass
		3	0	20.63	-1.70	18.93	<=30	Pass
			2	20.63	-1.70	18.93	<=30	Pass
			3	20.65	-1.70	18.95	<=30	Pass
	6	0	20.51	-1.70	18.81	<=30	Pass	
	1779.3	1	0	20.46	-1.70	18.76	<=30	Pass
			2	20.53	-1.70	18.83	<=30	Pass
			5	20.29	-1.70	18.59	<=30	Pass
		3	0	20.35	-1.70	18.65	<=30	Pass
			2	20.33	-1.70	18.63	<=30	Pass
			3	20.31	-1.70	18.61	<=30	Pass
		6	0	20.29	-1.70	18.59	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B66_3MHz_EIRP

1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.34	-1.70	21.64	<=30	Pass
			7	23.46	-1.70	21.76	<=30	Pass
			14	23.32	-1.70	21.62	<=30	Pass
		8	0	22.44	-1.70	20.74	<=30	Pass
			4	22.48	-1.70	20.78	<=30	Pass
			7	22.41	-1.70	20.71	<=30	Pass
		15	0	22.38	-1.70	20.68	<=30	Pass
	1745	1	0	23.44	-1.70	21.74	<=30	Pass
			7	23.60	-1.70	21.90	<=30	Pass
			14	23.59	-1.70	21.89	<=30	Pass
		8	0	22.46	-1.70	20.76	<=30	Pass
			4	22.66	-1.70	20.96	<=30	Pass
			7	22.55	-1.70	20.85	<=30	Pass

	1778.5	15	0	22.49	-1.70	20.79	<=30	Pass
		1	0	23.36	-1.70	21.66	<=30	Pass
			7	23.34	-1.70	21.64	<=30	Pass
			14	23.33	-1.70	21.63	<=30	Pass
		8	0	22.38	-1.70	20.68	<=30	Pass
			4	22.38	-1.70	20.68	<=30	Pass
			7	22.38	-1.70	20.68	<=30	Pass
		15	0	22.38	-1.70	20.68	<=30	Pass
16QAM	1711.5	1	0	22.69	-1.70	20.99	<=30	Pass
			7	22.89	-1.70	21.19	<=30	Pass
			14	22.76	-1.70	21.06	<=30	Pass
		8	0	21.51	-1.70	19.81	<=30	Pass
			4	21.54	-1.70	19.84	<=30	Pass
			7	21.60	-1.70	19.90	<=30	Pass
		15	0	21.49	-1.70	19.79	<=30	Pass
	1745	1	0	22.88	-1.70	21.18	<=30	Pass
			7	23.06	-1.70	21.36	<=30	Pass
			14	22.85	-1.70	21.15	<=30	Pass
		8	0	21.58	-1.70	19.88	<=30	Pass
			4	21.72	-1.70	20.02	<=30	Pass
			7	21.59	-1.70	19.89	<=30	Pass
		15	0	21.58	-1.70	19.88	<=30	Pass
	1778.5	1	0	22.74	-1.70	21.04	<=30	Pass
			7	22.77	-1.70	21.07	<=30	Pass
			14	22.63	-1.70	20.93	<=30	Pass
		8	0	21.49	-1.70	19.79	<=30	Pass
			4	21.51	-1.70	19.81	<=30	Pass
			7	21.42	-1.70	19.72	<=30	Pass
		15	0	21.43	-1.70	19.73	<=30	Pass
64QAM	1711.5	1	0	22.49	-1.70	20.79	<=30	Pass
			7	22.59	-1.70	20.89	<=30	Pass
			14	22.48	-1.70	20.78	<=30	Pass
		8	0	21.45	-1.70	19.75	<=30	Pass
			4	21.47	-1.70	19.77	<=30	Pass
			7	21.39	-1.70	19.69	<=30	Pass
		15	0	21.48	-1.70	19.78	<=30	Pass
	1745	1	0	22.46	-1.70	20.76	<=30	Pass
			7	22.76	-1.70	21.06	<=30	Pass
			14	22.53	-1.70	20.83	<=30	Pass
		8	0	21.59	-1.70	19.89	<=30	Pass
			4	21.61	-1.70	19.91	<=30	Pass
			7	21.54	-1.70	19.84	<=30	Pass
		15	0	21.55	-1.70	19.85	<=30	Pass
	1778.5	1	0	22.49	-1.70	20.79	<=30	Pass
			7	22.39	-1.70	20.69	<=30	Pass
			14	22.36	-1.70	20.66	<=30	Pass
		8	0	21.48	-1.70	19.78	<=30	Pass
			4	21.51	-1.70	19.81	<=30	Pass
			7	21.41	-1.70	19.71	<=30	Pass
		15	0	21.37	-1.70	19.67	<=30	Pass
256QAM	1711.5	1	0	20.44	-1.70	18.74	<=30	Pass
			7	20.40	-1.70	18.70	<=30	Pass
			14	20.34	-1.70	18.64	<=30	Pass
		8	0	20.40	-1.70	18.70	<=30	Pass
			4	20.44	-1.70	18.74	<=30	Pass
			7	20.47	-1.70	18.77	<=30	Pass
		15	0	20.46	-1.70	18.76	<=30	Pass
	1745	1	0	20.55	-1.70	18.85	<=30	Pass
			7	20.51	-1.70	18.81	<=30	Pass

		8	14	20.63	-1.70	18.93	<=30	Pass
			0	20.46	-1.70	18.76	<=30	Pass
			4	20.49	-1.70	18.79	<=30	Pass
			7	20.59	-1.70	18.89	<=30	Pass
	1778.5	15	0	20.51	-1.70	18.81	<=30	Pass
			0	20.47	-1.70	18.77	<=30	Pass
			7	20.80	-1.70	19.10	<=30	Pass
		8	14	20.43	-1.70	18.73	<=30	Pass
			0	20.37	-1.70	18.67	<=30	Pass
			4	20.40	-1.70	18.70	<=30	Pass
			7	20.36	-1.70	18.66	<=30	Pass
		15	0	20.40	-1.70	18.70	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B66_5MHz_EIRP

1.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.37	-1.70	21.67	<=30	Pass
			13	23.34	-1.70	21.64	<=30	Pass
			24	23.23	-1.70	21.53	<=30	Pass
		12	0	22.46	-1.70	20.76	<=30	Pass
			6	22.46	-1.70	20.76	<=30	Pass
			13	22.45	-1.70	20.75	<=30	Pass
		25	0	22.40	-1.70	20.70	<=30	Pass
	1745	1	0	23.46	-1.70	21.76	<=30	Pass
			13	23.71	-1.70	22.01	<=30	Pass
			24	23.46	-1.70	21.76	<=30	Pass
		12	0	22.46	-1.70	20.76	<=30	Pass
			6	22.54	-1.70	20.84	<=30	Pass
			13	22.56	-1.70	20.86	<=30	Pass
		25	0	22.48	-1.70	20.78	<=30	Pass
	1777.5	1	0	23.35	-1.70	21.65	<=30	Pass
			13	23.33	-1.70	21.63	<=30	Pass
			24	23.32	-1.70	21.62	<=30	Pass
		12	0	22.41	-1.70	20.71	<=30	Pass
			6	22.48	-1.70	20.78	<=30	Pass
			13	22.40	-1.70	20.70	<=30	Pass
		25	0	22.42	-1.70	20.72	<=30	Pass
16QAM	1712.5	1	0	23.24	-1.70	21.54	<=30	Pass
			13	23.24	-1.70	21.54	<=30	Pass
			24	22.93	-1.70	21.23	<=30	Pass
		12	0	21.45	-1.70	19.75	<=30	Pass
			6	21.43	-1.70	19.73	<=30	Pass
			13	21.36	-1.70	19.66	<=30	Pass
		25	0	21.48	-1.70	19.78	<=30	Pass
	1745	1	0	23.63	-1.70	21.93	<=30	Pass
			13	23.54	-1.70	21.84	<=30	Pass
			24	23.38	-1.70	21.68	<=30	Pass
		12	0	21.51	-1.70	19.81	<=30	Pass
			6	21.57	-1.70	19.87	<=30	Pass
			13	21.55	-1.70	19.85	<=30	Pass
		25	0	21.54	-1.70	19.84	<=30	Pass
	1777.5	1	0	23.32	-1.70	21.62	<=30	Pass

			13	23.24	-1.70	21.54	<=30	Pass	
			24	23.28	-1.70	21.58	<=30	Pass	
		12	0	21.38	-1.70	19.68	<=30	Pass	
			6	21.41	-1.70	19.71	<=30	Pass	
			13	21.44	-1.70	19.74	<=30	Pass	
		25	0	21.39	-1.70	19.69	<=30	Pass	
64QAM	1712.5	1	0	23.04	-1.70	21.34	<=30	Pass	
			13	23.03	-1.70	21.33	<=30	Pass	
			24	23.05	-1.70	21.35	<=30	Pass	
		12	0	21.58	-1.70	19.88	<=30	Pass	
			6	21.55	-1.70	19.85	<=30	Pass	
			13	21.43	-1.70	19.73	<=30	Pass	
		25	0	21.48	-1.70	19.78	<=30	Pass	
		1745	1	0	23.23	-1.70	21.53	<=30	Pass
				13	23.34	-1.70	21.64	<=30	Pass
	24			23.29	-1.70	21.59	<=30	Pass	
	12		0	21.57	-1.70	19.87	<=30	Pass	
			6	21.54	-1.70	19.84	<=30	Pass	
			13	21.61	-1.70	19.91	<=30	Pass	
	25		0	21.46	-1.70	19.76	<=30	Pass	
	1777.5		1	0	22.91	-1.70	21.21	<=30	Pass
				13	23.11	-1.70	21.41	<=30	Pass
		24		22.94	-1.70	21.24	<=30	Pass	
		12	0	21.41	-1.70	19.71	<=30	Pass	
			6	21.45	-1.70	19.75	<=30	Pass	
			13	21.42	-1.70	19.72	<=30	Pass	
		25	0	21.37	-1.70	19.67	<=30	Pass	
256QAM		1712.5	1	0	20.45	-1.70	18.75	<=30	Pass
				13	20.54	-1.70	18.84	<=30	Pass
	24			20.28	-1.70	18.58	<=30	Pass	
	12		0	20.44	-1.70	18.74	<=30	Pass	
			6	20.43	-1.70	18.73	<=30	Pass	
			13	20.44	-1.70	18.74	<=30	Pass	
	25		0	20.42	-1.70	18.72	<=30	Pass	
	1745		1	0	20.65	-1.70	18.95	<=30	Pass
				13	20.62	-1.70	18.92	<=30	Pass
		24		20.47	-1.70	18.77	<=30	Pass	
		12	0	20.54	-1.70	18.84	<=30	Pass	
			6	20.55	-1.70	18.85	<=30	Pass	
			13	20.49	-1.70	18.79	<=30	Pass	
		25	0	20.49	-1.70	18.79	<=30	Pass	
		1777.5	1	0	20.40	-1.70	18.70	<=30	Pass
				13	20.51	-1.70	18.81	<=30	Pass
	24			20.44	-1.70	18.74	<=30	Pass	
	12		0	20.43	-1.70	18.73	<=30	Pass	
			6	20.42	-1.70	18.72	<=30	Pass	
			13	20.46	-1.70	18.76	<=30	Pass	
	25		0	20.38	-1.70	18.68	<=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	23.32	-1.70	21.62	<=30	Pass
			25	23.36	-1.70	21.66	<=30	Pass
			49	23.36	-1.70	21.66	<=30	Pass
		25	0	22.42	-1.70	20.72	<=30	Pass
			13	22.45	-1.70	20.75	<=30	Pass
			25	22.39	-1.70	20.69	<=30	Pass
		50	0	22.46	-1.70	20.76	<=30	Pass
	1745	1	0	23.56	-1.70	21.86	<=30	Pass
			25	23.55	-1.70	21.85	<=30	Pass
			49	23.47	-1.70	21.77	<=30	Pass
		25	0	22.49	-1.70	20.79	<=30	Pass
			13	22.50	-1.70	20.80	<=30	Pass
			25	22.61	-1.70	20.91	<=30	Pass
		50	0	22.39	-1.70	20.69	<=30	Pass
	1775	1	0	23.31	-1.70	21.61	<=30	Pass
			25	23.49	-1.70	21.79	<=30	Pass
			49	23.24	-1.70	21.54	<=30	Pass
		25	0	22.45	-1.70	20.75	<=30	Pass
			13	22.42	-1.70	20.72	<=30	Pass
			25	22.43	-1.70	20.73	<=30	Pass
		50	0	22.49	-1.70	20.79	<=30	Pass
16QAM	1715	1	0	23.37	-1.70	21.67	<=30	Pass
			25	23.29	-1.70	21.59	<=30	Pass
			49	23.11	-1.70	21.41	<=30	Pass
		25	0	21.41	-1.70	19.71	<=30	Pass
			13	21.45	-1.70	19.75	<=30	Pass
			25	21.40	-1.70	19.70	<=30	Pass
		50	0	21.41	-1.70	19.71	<=30	Pass
	1745	1	0	23.46	-1.70	21.76	<=30	Pass
			25	23.61	-1.70	21.91	<=30	Pass
			49	23.38	-1.70	21.68	<=30	Pass
		25	0	21.46	-1.70	19.76	<=30	Pass
			13	21.59	-1.70	19.89	<=30	Pass
			25	21.52	-1.70	19.82	<=30	Pass
		50	0	21.39	-1.70	19.69	<=30	Pass
	1775	1	0	23.29	-1.70	21.59	<=30	Pass
			25	23.38	-1.70	21.68	<=30	Pass
			49	23.20	-1.70	21.50	<=30	Pass
		25	0	21.41	-1.70	19.71	<=30	Pass
			13	21.41	-1.70	19.71	<=30	Pass
			25	21.44	-1.70	19.74	<=30	Pass
		50	0	21.40	-1.70	19.70	<=30	Pass
64QAM	1715	1	0	23.02	-1.70	21.32	<=30	Pass
			25	22.96	-1.70	21.26	<=30	Pass
			49	22.84	-1.70	21.14	<=30	Pass
		25	0	21.40	-1.70	19.70	<=30	Pass
			13	21.43	-1.70	19.73	<=30	Pass
			25	21.37	-1.70	19.67	<=30	Pass
		50	0	21.46	-1.70	19.76	<=30	Pass
	1745	1	0	23.02	-1.70	21.32	<=30	Pass
			25	23.16	-1.70	21.46	<=30	Pass
			49	23.12	-1.70	21.42	<=30	Pass
		25	0	21.48	-1.70	19.78	<=30	Pass
			13	21.52	-1.70	19.82	<=30	Pass
			25	21.60	-1.70	19.90	<=30	Pass
		50	0	21.48	-1.70	19.78	<=30	Pass
	1775	1	0	23.15	-1.70	21.45	<=30	Pass
			25	23.03	-1.70	21.33	<=30	Pass
			49	22.92	-1.70	21.22	<=30	Pass

256QAM	1715	25	0	21.40	-1.70	19.70	<=30	Pass
			13	21.39	-1.70	19.69	<=30	Pass
			25	21.41	-1.70	19.71	<=30	Pass
		50	0	21.48	-1.70	19.78	<=30	Pass
			0	20.43	-1.70	18.73	<=30	Pass
			25	20.55	-1.70	18.85	<=30	Pass
	1745	1	49	20.52	-1.70	18.82	<=30	Pass
			0	20.43	-1.70	18.73	<=30	Pass
			13	20.45	-1.70	18.75	<=30	Pass
		25	25	20.36	-1.70	18.66	<=30	Pass
			0	20.44	-1.70	18.74	<=30	Pass
			0	20.46	-1.70	18.76	<=30	Pass
		1	25	20.74	-1.70	19.04	<=30	Pass
			49	20.64	-1.70	18.94	<=30	Pass
			0	20.51	-1.70	18.81	<=30	Pass
	1775	25	13	20.50	-1.70	18.80	<=30	Pass
			25	20.51	-1.70	18.81	<=30	Pass
			0	20.45	-1.70	18.75	<=30	Pass
		50	0	20.52	-1.70	18.82	<=30	Pass
			25	20.60	-1.70	18.90	<=30	Pass
			49	20.44	-1.70	18.74	<=30	Pass
		1	0	19.84	-1.70	18.14	<=30	Pass
			13	20.44	-1.70	18.74	<=30	Pass
			25	20.37	-1.70	18.67	<=30	Pass
		50	0	20.33	-1.70	18.63	<=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	23.18	-1.70	21.48	<=30	Pass
			38	23.19	-1.70	21.49	<=30	Pass
			74	23.26	-1.70	21.56	<=30	Pass
		36	0	22.18	-1.70	20.48	<=30	Pass
			18	22.25	-1.70	20.55	<=30	Pass
			39	22.33	-1.70	20.63	<=30	Pass
		75	0	22.34	-1.70	20.64	<=30	Pass
	1745	1	0	23.20	-1.70	21.50	<=30	Pass
			38	23.50	-1.70	21.80	<=30	Pass
			74	23.52	-1.70	21.82	<=30	Pass
		36	0	22.41	-1.70	20.71	<=30	Pass
			18	22.35	-1.70	20.65	<=30	Pass
			39	22.40	-1.70	20.70	<=30	Pass
		75	0	22.35	-1.70	20.65	<=30	Pass
	1772.5	1	0	22.92	-1.70	21.22	<=30	Pass
			38	23.66	-1.70	21.96	<=30	Pass
			74	22.92	-1.70	21.22	<=30	Pass
		36	0	22.22	-1.70	20.52	<=30	Pass
			18	22.29	-1.70	20.59	<=30	Pass
			39	22.33	-1.70	20.63	<=30	Pass
		75	0	22.28	-1.70	20.58	<=30	Pass
16QAM	1717.5	1	0	22.96	-1.70	21.26	<=30	Pass
			38	23.04	-1.70	21.34	<=30	Pass

		36	74	23.10	-1.70	21.40	<=30	Pass
			0	21.24	-1.70	19.54	<=30	Pass
			18	21.35	-1.70	19.65	<=30	Pass
			39	21.32	-1.70	19.62	<=30	Pass
		75	0	21.32	-1.70	19.62	<=30	Pass
	1745	1	0	23.15	-1.70	21.45	<=30	Pass
			38	23.10	-1.70	21.40	<=30	Pass
			74	23.20	-1.70	21.50	<=30	Pass
		36	0	21.29	-1.70	19.59	<=30	Pass
			18	21.41	-1.70	19.71	<=30	Pass
			39	21.39	-1.70	19.69	<=30	Pass
		75	0	21.36	-1.70	19.66	<=30	Pass
	1772.5	1	0	23.06	-1.70	21.36	<=30	Pass
			38	23.03	-1.70	21.33	<=30	Pass
			74	22.81	-1.70	21.11	<=30	Pass
		36	0	21.29	-1.70	19.59	<=30	Pass
			18	21.35	-1.70	19.65	<=30	Pass
			39	21.33	-1.70	19.63	<=30	Pass
		75	0	21.20	-1.70	19.50	<=30	Pass
64QAM	1717.5	1	0	22.70	-1.70	21.00	<=30	Pass
			38	22.77	-1.70	21.07	<=30	Pass
			74	22.88	-1.70	21.18	<=30	Pass
		36	0	21.14	-1.70	19.44	<=30	Pass
			18	21.32	-1.70	19.62	<=30	Pass
			39	21.29	-1.70	19.59	<=30	Pass
		75	0	21.32	-1.70	19.62	<=30	Pass
	1745	1	0	22.75	-1.70	21.05	<=30	Pass
			38	23.17	-1.70	21.47	<=30	Pass
			74	22.97	-1.70	21.27	<=30	Pass
		36	0	21.36	-1.70	19.66	<=30	Pass
			18	21.38	-1.70	19.68	<=30	Pass
			39	21.47	-1.70	19.77	<=30	Pass
		75	0	21.42	-1.70	19.72	<=30	Pass
	1772.5	1	0	22.89	-1.70	21.19	<=30	Pass
			38	22.94	-1.70	21.24	<=30	Pass
			74	22.89	-1.70	21.19	<=30	Pass
		36	0	21.28	-1.70	19.58	<=30	Pass
			18	21.34	-1.70	19.64	<=30	Pass
			39	21.33	-1.70	19.63	<=30	Pass
		75	0	21.20	-1.70	19.50	<=30	Pass
256QAM	1717.5	1	0	20.28	-1.70	18.58	<=30	Pass
			38	20.35	-1.70	18.65	<=30	Pass
			74	20.25	-1.70	18.55	<=30	Pass
		36	0	20.24	-1.70	18.54	<=30	Pass
			18	20.35	-1.70	18.65	<=30	Pass
			39	20.30	-1.70	18.60	<=30	Pass
		75	0	20.23	-1.70	18.53	<=30	Pass
	1745	1	0	20.29	-1.70	18.59	<=30	Pass
			38	20.40	-1.70	18.70	<=30	Pass
			74	20.63	-1.70	18.93	<=30	Pass
		36	0	20.45	-1.70	18.75	<=30	Pass
			18	20.35	-1.70	18.65	<=30	Pass
			39	20.46	-1.70	18.76	<=30	Pass
		75	0	20.41	-1.70	18.71	<=30	Pass
	1772.5	1	0	20.21	-1.70	18.51	<=30	Pass
			38	20.31	-1.70	18.61	<=30	Pass
			74	20.43	-1.70	18.73	<=30	Pass
		36	0	20.34	-1.70	18.64	<=30	Pass
			18	20.31	-1.70	18.61	<=30	Pass

			39	20.36	-1.70	18.66	<=30	Pass
		75	0	20.23	-1.70	18.53	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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	23.20	-1.70	21.50	<=30	Pass
			50	23.16	-1.70	21.46	<=30	Pass
			99	23.17	-1.70	21.47	<=30	Pass
		50	0	22.22	-1.70	20.52	<=30	Pass
			25	22.34	-1.70	20.64	<=30	Pass
			50	22.38	-1.70	20.68	<=30	Pass
		100	0	22.30	-1.70	20.60	<=30	Pass
	1745	1	0	23.33	-1.70	21.63	<=30	Pass
			50	23.30	-1.70	21.60	<=30	Pass
			99	23.69	-1.70	21.99	<=30	Pass
		50	0	22.34	-1.70	20.64	<=30	Pass
			25	22.41	-1.70	20.71	<=30	Pass
			50	22.47	-1.70	20.77	<=30	Pass
		100	0	22.42	-1.70	20.72	<=30	Pass
	1770	1	0	23.14	-1.70	21.44	<=30	Pass
			50	23.14	-1.70	21.44	<=30	Pass
			99	23.30	-1.70	21.60	<=30	Pass
		50	0	22.33	-1.70	20.63	<=30	Pass
			25	22.35	-1.70	20.65	<=30	Pass
			50	22.35	-1.70	20.65	<=30	Pass
		100	0	22.22	-1.70	20.52	<=30	Pass
16QAM	1720	1	0	23.19	-1.70	21.49	<=30	Pass
			50	23.31	-1.70	21.61	<=30	Pass
			99	22.90	-1.70	21.20	<=30	Pass
		50	0	21.31	-1.70	19.61	<=30	Pass
			25	21.34	-1.70	19.64	<=30	Pass
			50	21.29	-1.70	19.59	<=30	Pass
		100	0	21.28	-1.70	19.58	<=30	Pass
	1745	1	0	23.14	-1.70	21.44	<=30	Pass
			50	23.06	-1.70	21.36	<=30	Pass
			99	22.98	-1.70	21.28	<=30	Pass
		50	0	21.32	-1.70	19.62	<=30	Pass
			25	21.42	-1.70	19.72	<=30	Pass
			50	21.46	-1.70	19.76	<=30	Pass
		100	0	21.39	-1.70	19.69	<=30	Pass
	1770	1	0	22.73	-1.70	21.03	<=30	Pass
			50	23.10	-1.70	21.40	<=30	Pass
			99	22.91	-1.70	21.21	<=30	Pass
		50	0	21.30	-1.70	19.60	<=30	Pass
			25	21.33	-1.70	19.63	<=30	Pass
			50	21.34	-1.70	19.64	<=30	Pass
		100	0	21.33	-1.70	19.63	<=30	Pass
64QAM	1720	1	0	22.89	-1.70	21.19	<=30	Pass
			50	22.64	-1.70	20.94	<=30	Pass
			99	22.86	-1.70	21.16	<=30	Pass
		50	0	21.19	-1.70	19.49	<=30	Pass

		100	25	21.33	-1.70	19.63	<=30	Pass	
			50	21.28	-1.70	19.58	<=30	Pass	
			0	21.30	-1.70	19.60	<=30	Pass	
	1745	1	0	22.76	-1.70	21.06	<=30	Pass	
			50	22.93	-1.70	21.23	<=30	Pass	
			99	23.12	-1.70	21.42	<=30	Pass	
		50	0	21.41	-1.70	19.71	<=30	Pass	
			25	21.39	-1.70	19.69	<=30	Pass	
			50	21.54	-1.70	19.84	<=30	Pass	
		100	0	21.35	-1.70	19.65	<=30	Pass	
		1770	1	0	22.62	-1.70	20.92	<=30	Pass
				50	22.65	-1.70	20.95	<=30	Pass
	99			22.64	-1.70	20.94	<=30	Pass	
	50		0	21.23	-1.70	19.53	<=30	Pass	
			25	21.31	-1.70	19.61	<=30	Pass	
			50	21.33	-1.70	19.63	<=30	Pass	
	100		0	21.31	-1.70	19.61	<=30	Pass	
256QAM	1720	1	0	20.21	-1.70	18.51	<=30	Pass	
			50	20.39	-1.70	18.69	<=30	Pass	
			99	20.39	-1.70	18.69	<=30	Pass	
		50	0	20.21	-1.70	18.51	<=30	Pass	
			25	20.35	-1.70	18.65	<=30	Pass	
			50	20.33	-1.70	18.63	<=30	Pass	
		100	0	20.29	-1.70	18.59	<=30	Pass	
	1745	1	0	20.35	-1.70	18.65	<=30	Pass	
			50	20.45	-1.70	18.75	<=30	Pass	
			99	20.41	-1.70	18.71	<=30	Pass	
		50	0	20.36	-1.70	18.66	<=30	Pass	
			25	20.38	-1.70	18.68	<=30	Pass	
			50	20.37	-1.70	18.67	<=30	Pass	
		100	0	20.45	-1.70	18.75	<=30	Pass	
	1770	1	0	20.34	-1.70	18.64	<=30	Pass	
			50	20.36	-1.70	18.66	<=30	Pass	
			99	20.27	-1.70	18.57	<=30	Pass	
		50	0	20.22	-1.70	18.52	<=30	Pass	
			25	20.26	-1.70	18.56	<=30	Pass	
			50	20.30	-1.70	18.60	<=30	Pass	
		100	0	20.24	-1.70	18.54	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 B66_20MHz

2.1.1 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	3.6	0.200	0.0001	/	Pass
					3.86	-1.500	-0.0009	/	Pass
					4.3	-2.100	-0.0012	/	Pass
				-30	3.86	-2.900	-0.0017	/	Pass
				-20	3.86	-2.200	-0.0013	/	Pass
				-10	3.86	-1.900	-0.0011	/	Pass
				0	3.86	-1.300	-0.0008	/	Pass

				10	3.86	-0.900	-0.0005	/	Pass
				30	3.86	-1.200	-0.0007	/	Pass
				40	3.86	-0.800	-0.0005	/	Pass
				50	3.86	-2.300	-0.0013	/	Pass
	1745	100	0	20	3.6	-1.700	-0.0010	/	Pass
					3.86	-0.800	-0.0005	/	Pass
					4.3	-0.300	-0.0002	/	Pass
				-30	3.86	-2.600	-0.0015	/	Pass
				-20	3.86	-5.000	-0.0029	/	Pass
				-10	3.86	-0.700	-0.0004	/	Pass
				0	3.86	-0.400	-0.0002	/	Pass
				10	3.86	-1.500	-0.0009	/	Pass
				30	3.86	-0.800	-0.0005	/	Pass
				40	3.86	-3.200	-0.0018	/	Pass
				50	3.86	-2.700	-0.0015	/	Pass
	1770	100	0	20	3.6	-2.000	-0.0011	/	Pass
					3.86	-2.300	-0.0013	/	Pass
					4.3	-1.500	-0.0008	/	Pass
				-30	3.86	-2.400	-0.0014	/	Pass
				-20	3.86	-1.200	-0.0007	/	Pass
				-10	3.86	-1.500	-0.0008	/	Pass
				0	3.86	-0.100	-0.0001	/	Pass
				10	3.86	-2.600	-0.0015	/	Pass
				30	3.86	-1.400	-0.0008	/	Pass
				40	3.86	-1.100	-0.0006	/	Pass
				50	3.86	-2.200	-0.0012	/	Pass

3. 99% & 26dB Bandwidth

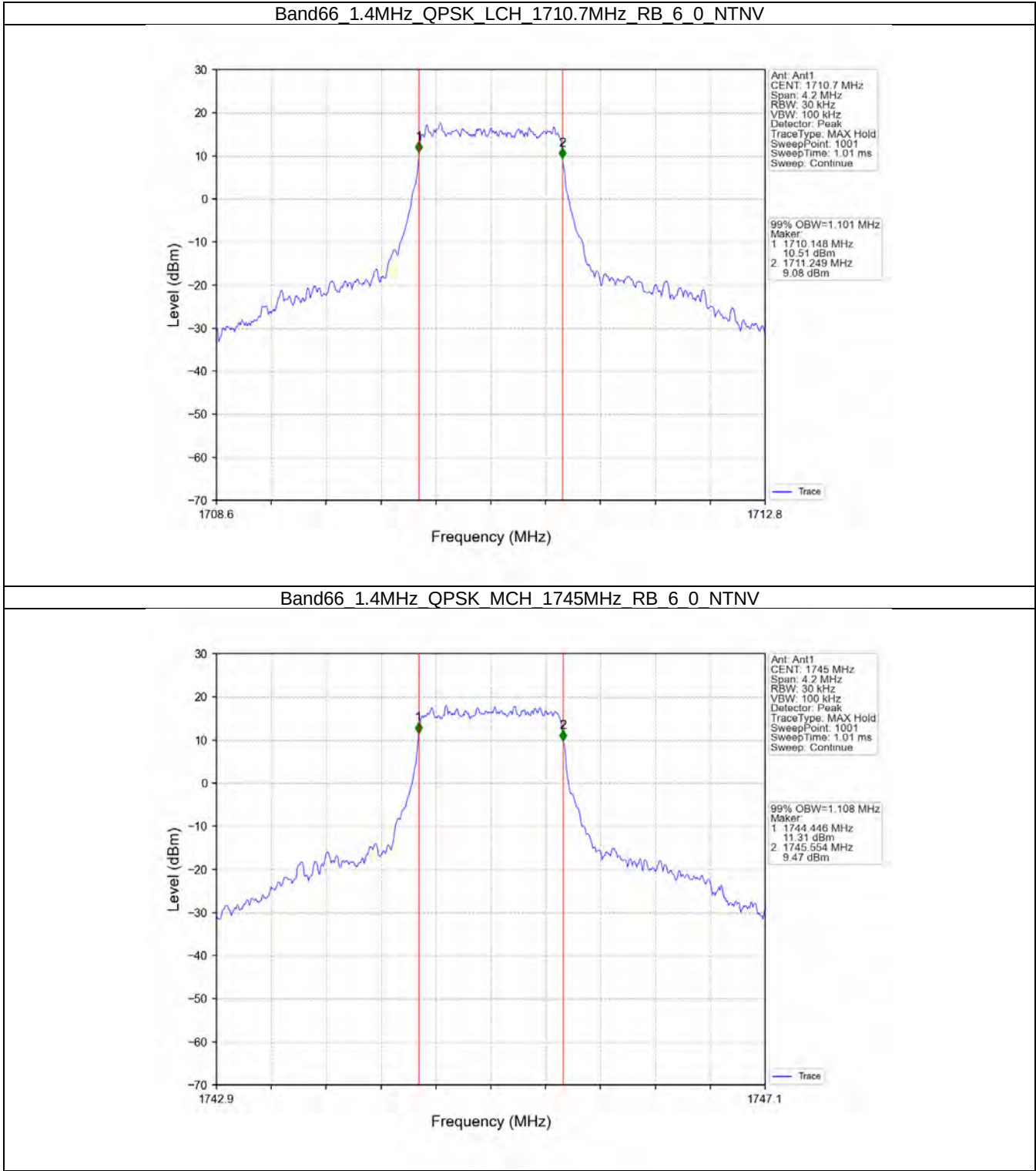
3.1 Band66_OBW

3.1.1 Test Result

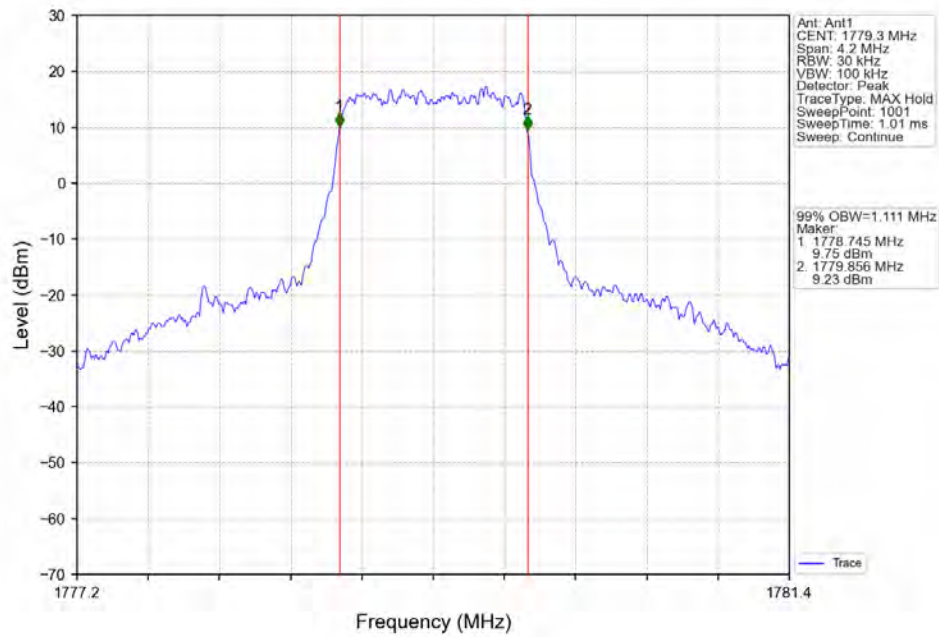
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.101	/	Pass
		1745	6	0	1.108	/	Pass
		1779.3	6	0	1.111	/	Pass
	16QAM	1710.7	6	0	1.111	/	Pass
		1745	6	0	1.119	/	Pass
		1779.3	6	0	1.101	/	Pass
	64QAM	1710.7	6	0	1.101	/	Pass
		1745	6	0	1.107	/	Pass
		1779.3	6	0	1.111	/	Pass
	256QAM	1710.7	6	0	1.107	/	Pass
		1745	6	0	1.105	/	Pass
		1779.3	6	0	1.102	/	Pass
3	QPSK	1711.5	15	0	2.765	/	Pass
		1745	15	0	2.747	/	Pass
		1778.5	15	0	2.745	/	Pass
	16QAM	1711.5	15	0	2.743	/	Pass
		1745	15	0	2.745	/	Pass
		1778.5	15	0	2.737	/	Pass
	64QAM	1711.5	15	0	2.741	/	Pass
		1745	15	0	2.752	/	Pass

	256QAM	1778.5	15	0	2.742	/	Pass
		1711.5	15	0	2.749	/	Pass
		1745	15	0	2.750	/	Pass
		1778.5	15	0	2.752	/	Pass
5	QPSK	1712.5	25	0	4.515	/	Pass
		1745	25	0	4.541	/	Pass
		1777.5	25	0	4.537	/	Pass
	16QAM	1712.5	25	0	4.519	/	Pass
		1745	25	0	4.521	/	Pass
		1777.5	25	0	4.530	/	Pass
	64QAM	1712.5	25	0	4.519	/	Pass
		1745	25	0	4.522	/	Pass
		1777.5	25	0	4.501	/	Pass
	256QAM	1712.5	25	0	4.514	/	Pass
		1745	25	0	4.493	/	Pass
		1777.5	25	0	4.531	/	Pass
10	QPSK	1715	50	0	9.001	/	Pass
		1745	50	0	9.010	/	Pass
		1775	50	0	9.018	/	Pass
	16QAM	1715	50	0	8.998	/	Pass
		1745	50	0	9.024	/	Pass
		1775	50	0	9.019	/	Pass
	64QAM	1715	50	0	8.998	/	Pass
		1745	50	0	9.061	/	Pass
		1775	50	0	8.995	/	Pass
	256QAM	1715	50	0	9.045	/	Pass
		1745	50	0	9.017	/	Pass
		1775	50	0	9.025	/	Pass
15	QPSK	1717.5	75	0	13.537	/	Pass
		1745	75	0	13.523	/	Pass
		1772.5	75	0	13.547	/	Pass
	16QAM	1717.5	75	0	13.546	/	Pass
		1745	75	0	13.567	/	Pass
		1772.5	75	0	13.516	/	Pass
	64QAM	1717.5	75	0	13.533	/	Pass
		1745	75	0	13.515	/	Pass
		1772.5	75	0	13.541	/	Pass
	256QAM	1717.5	75	0	13.521	/	Pass
		1745	75	0	13.488	/	Pass
		1772.5	75	0	13.513	/	Pass
20	QPSK	1720	100	0	18.106	/	Pass
		1745	100	0	18.073	/	Pass
		1770	100	0	18.059	/	Pass
	16QAM	1720	100	0	18.129	/	Pass
		1745	100	0	18.094	/	Pass
		1770	100	0	18.062	/	Pass
	64QAM	1720	100	0	18.093	/	Pass
		1745	100	0	18.075	/	Pass
		1770	100	0	18.011	/	Pass
	256QAM	1720	100	0	18.068	/	Pass
		1745	100	0	18.075	/	Pass
		1770	100	0	18.013	/	Pass

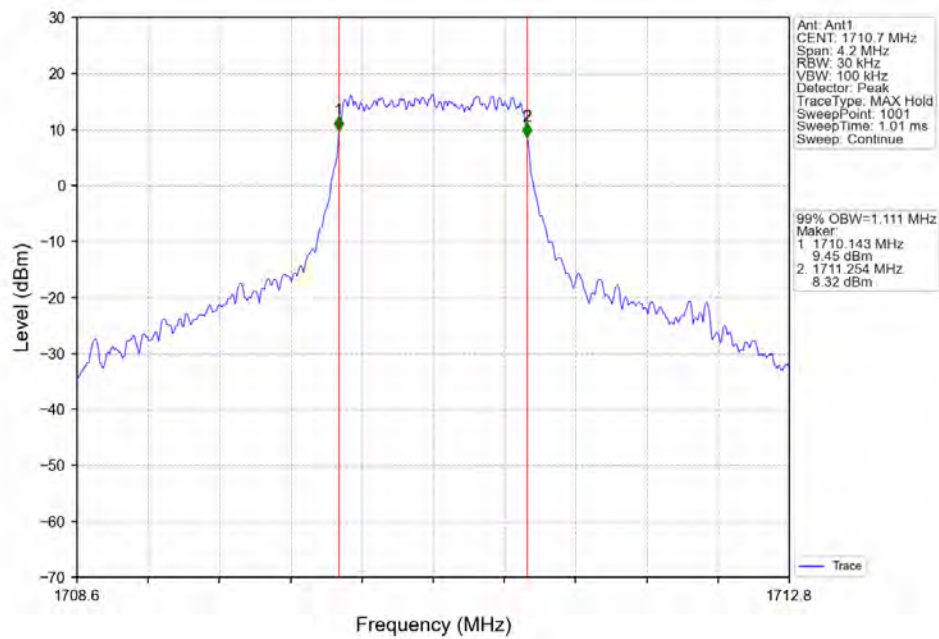
3.1.2 Test Graph



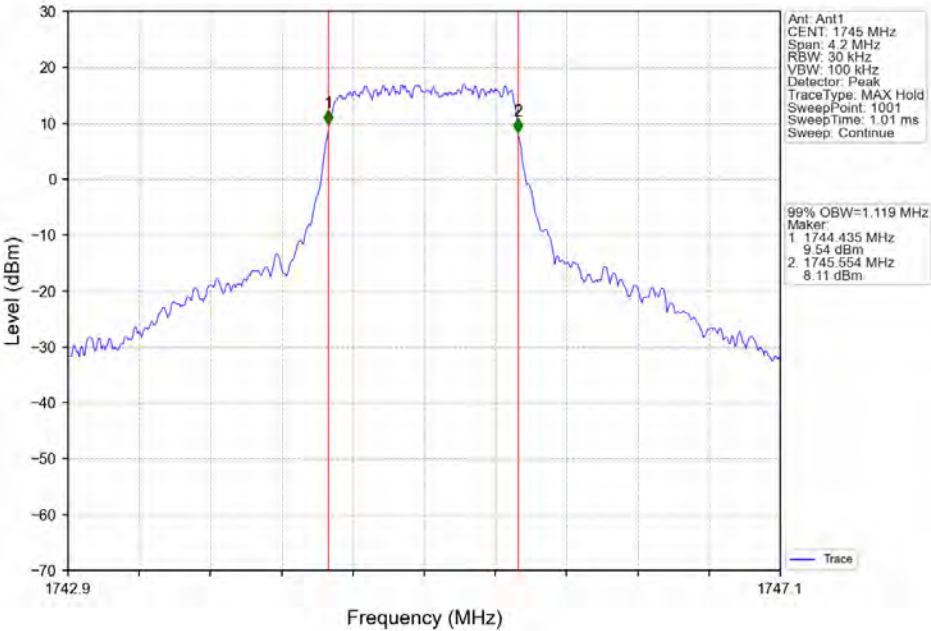
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTN



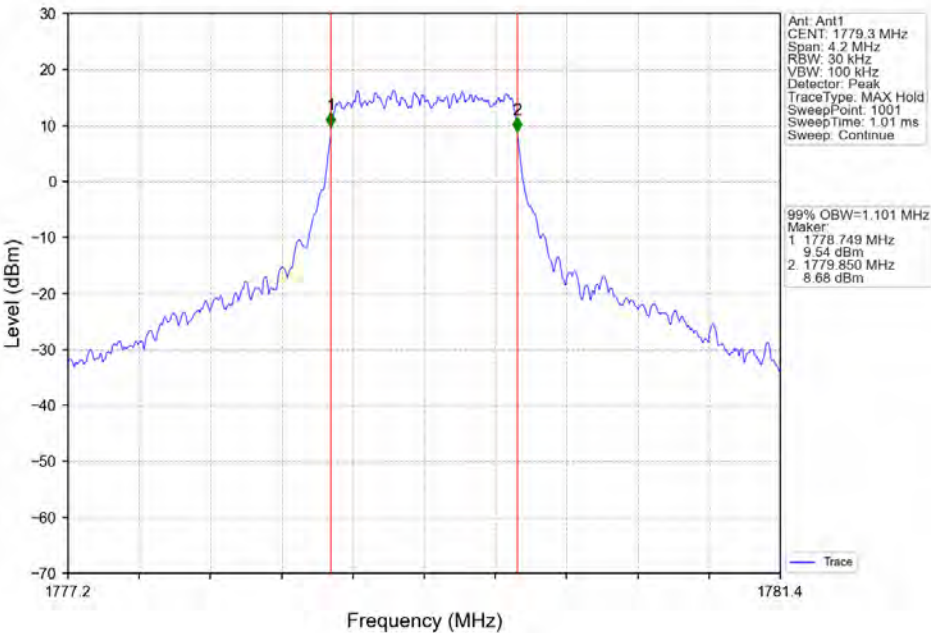
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTN



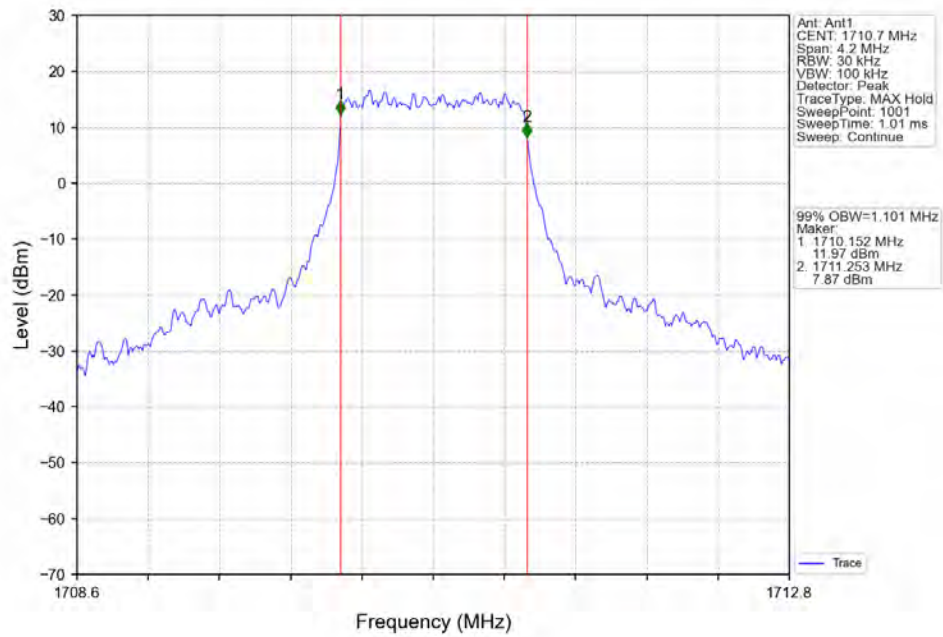
Band66 1.4MHz 16QAM MCH 1745MHz RB 6 0 NTNV



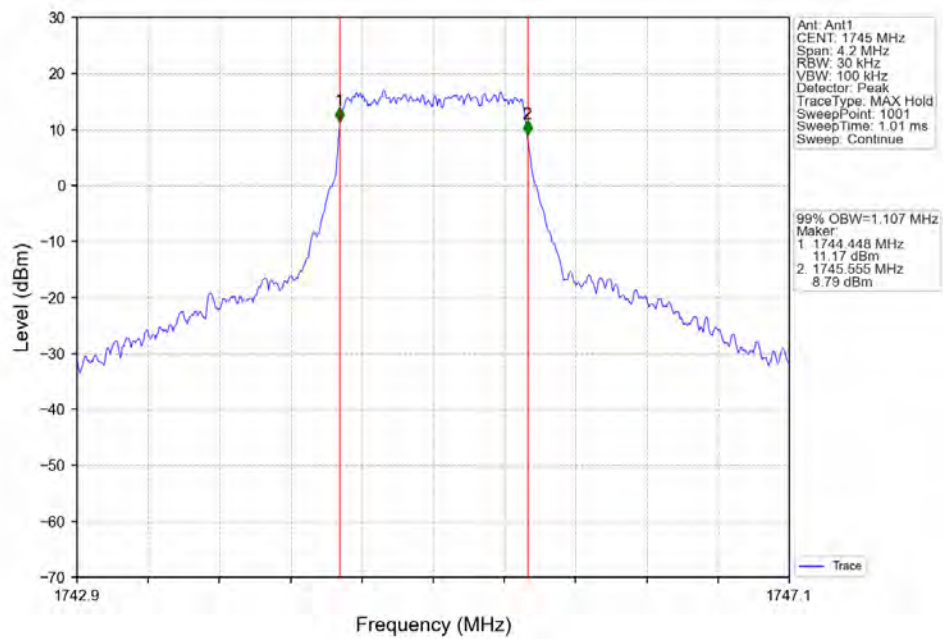
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTNV



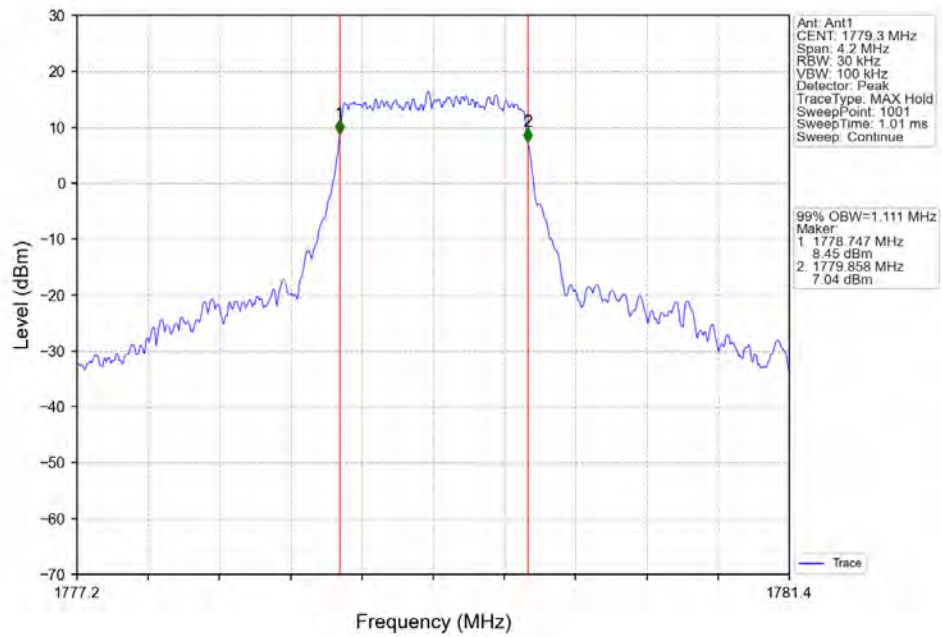
Band66 1.4MHz 64QAM LCH 1710.7MHz RB 6 0 NTNV



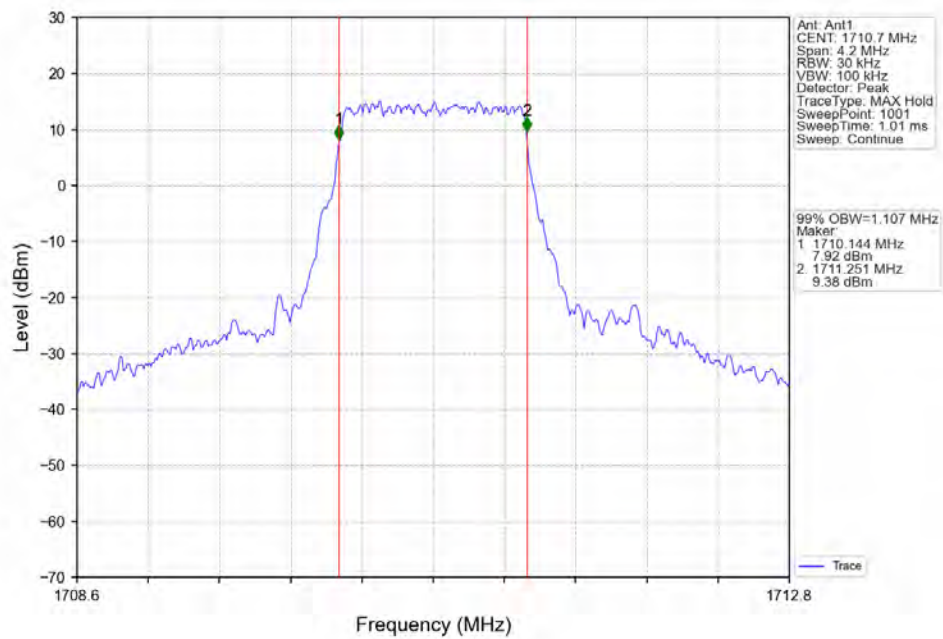
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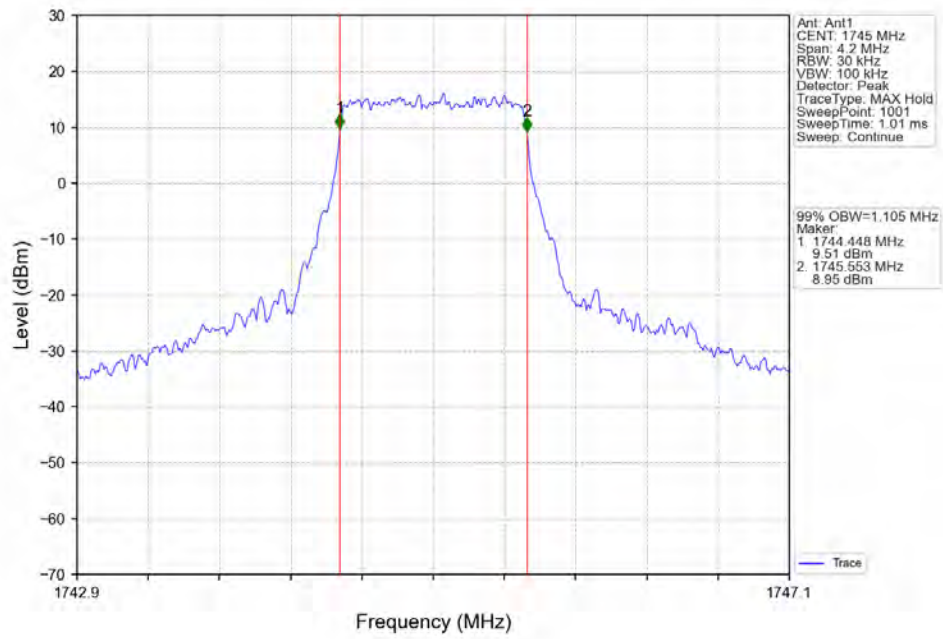
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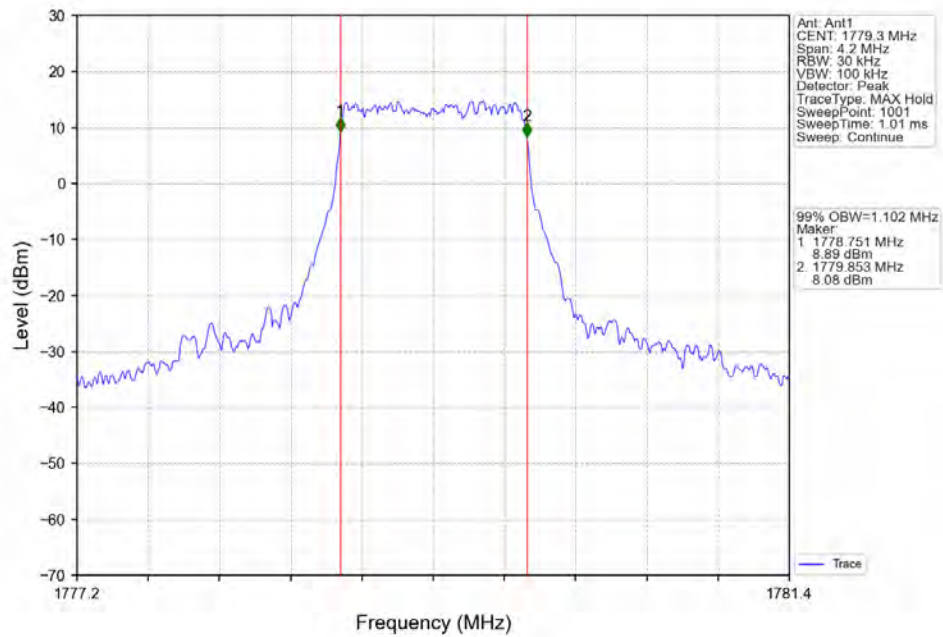
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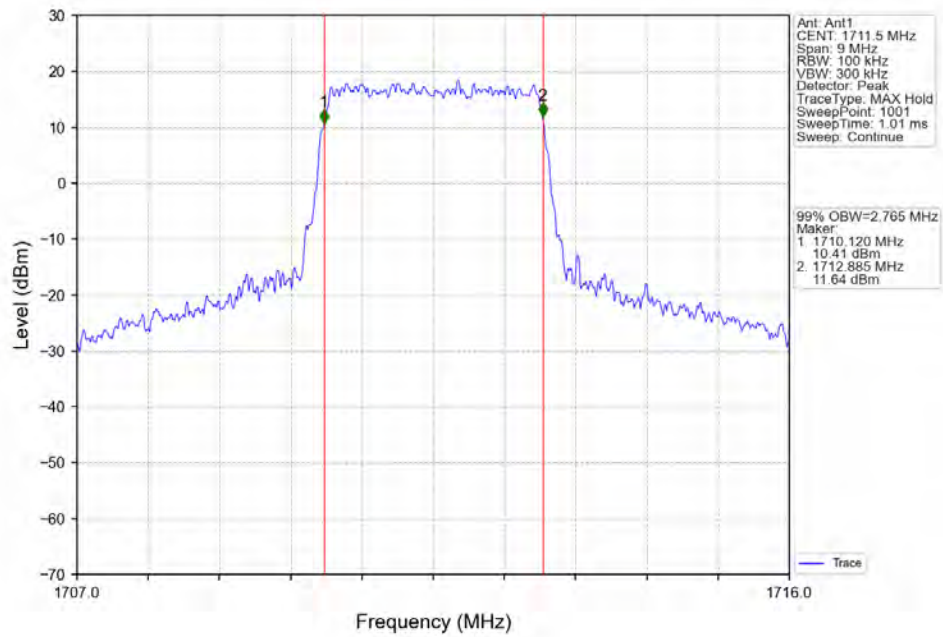
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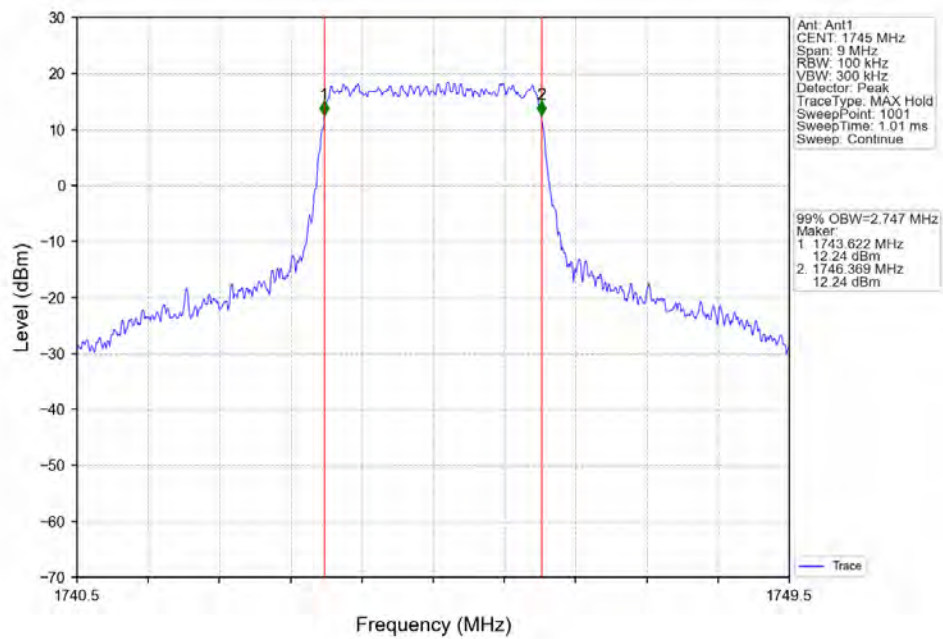
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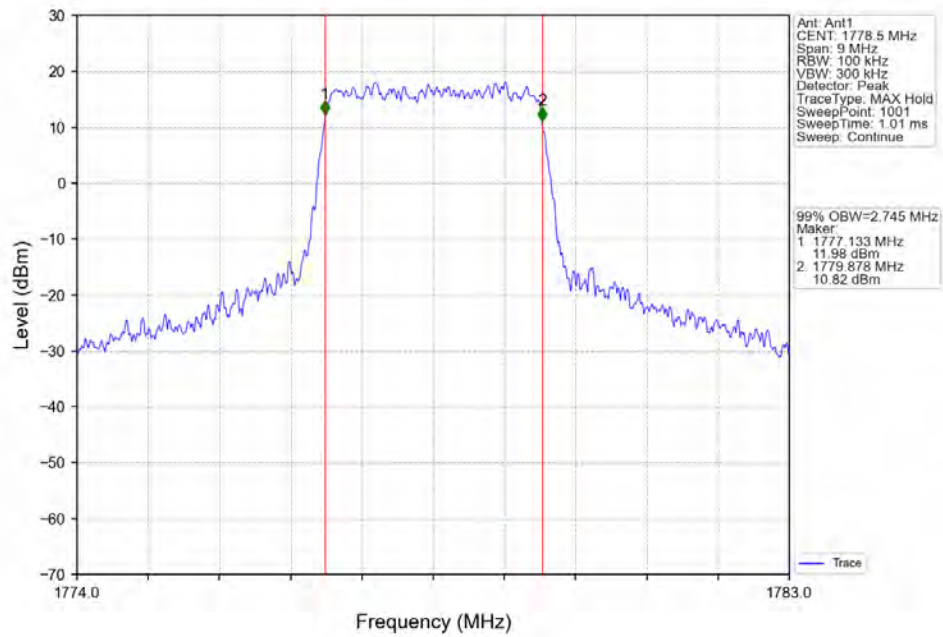
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



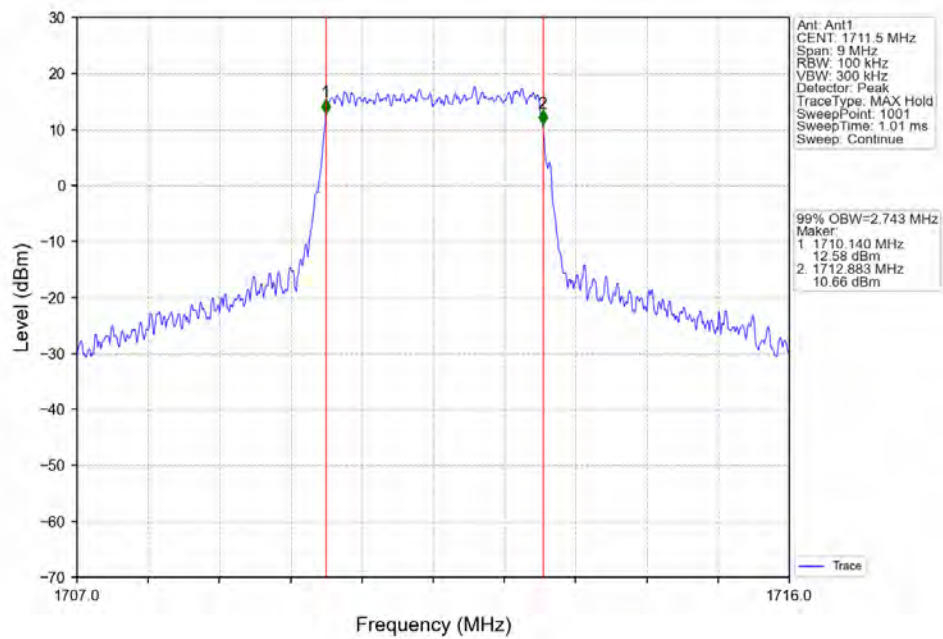
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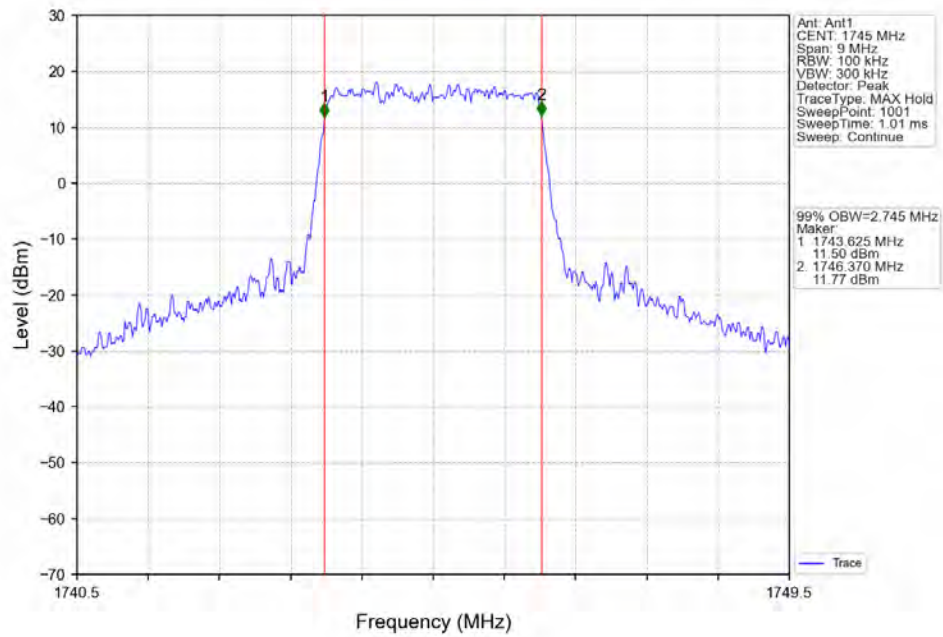
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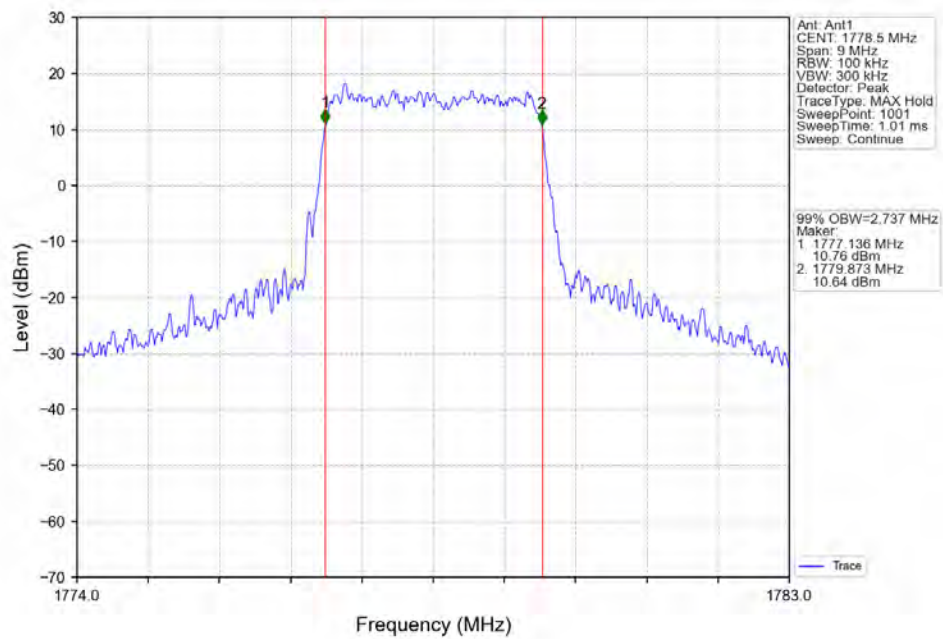
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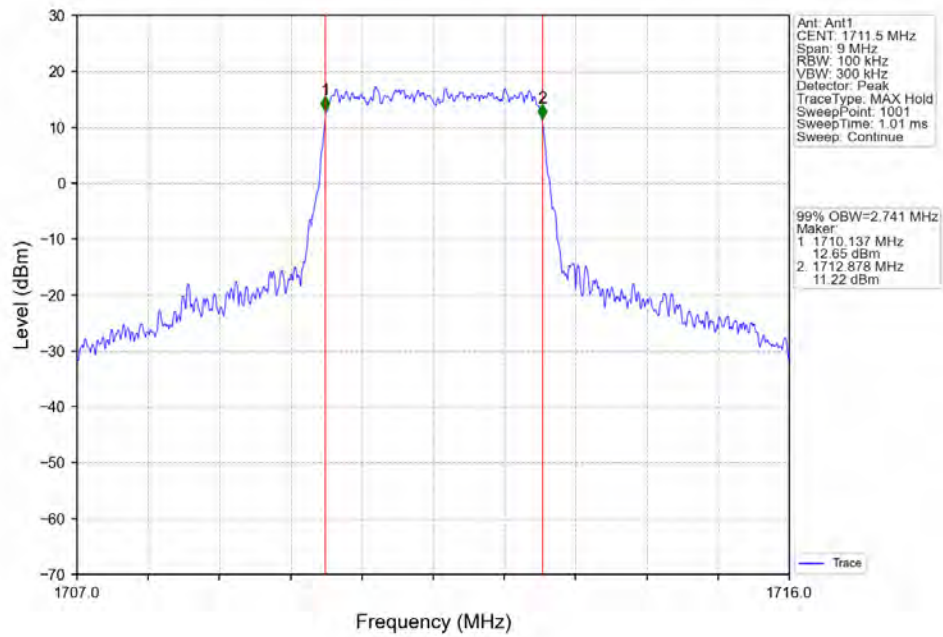
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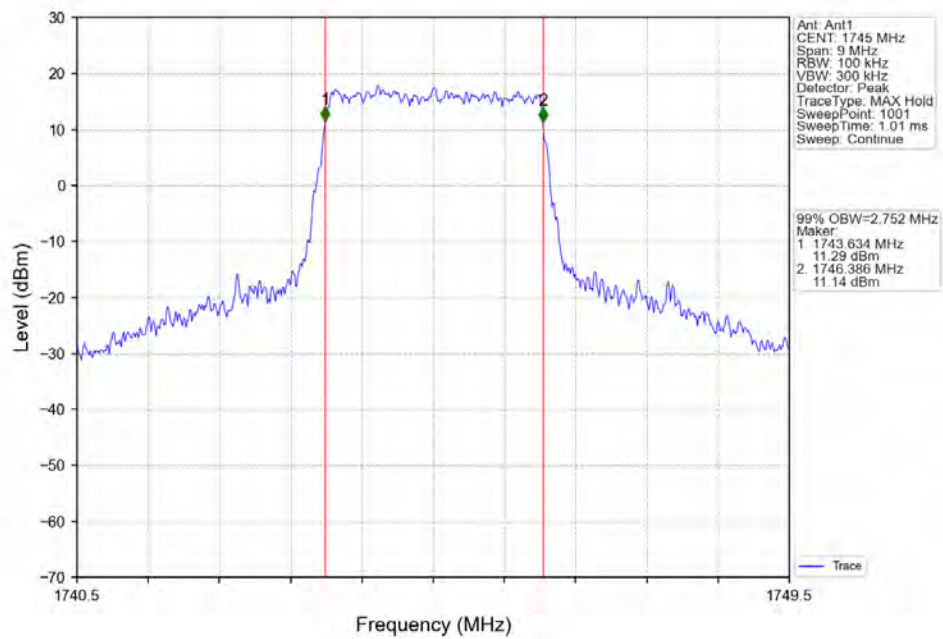
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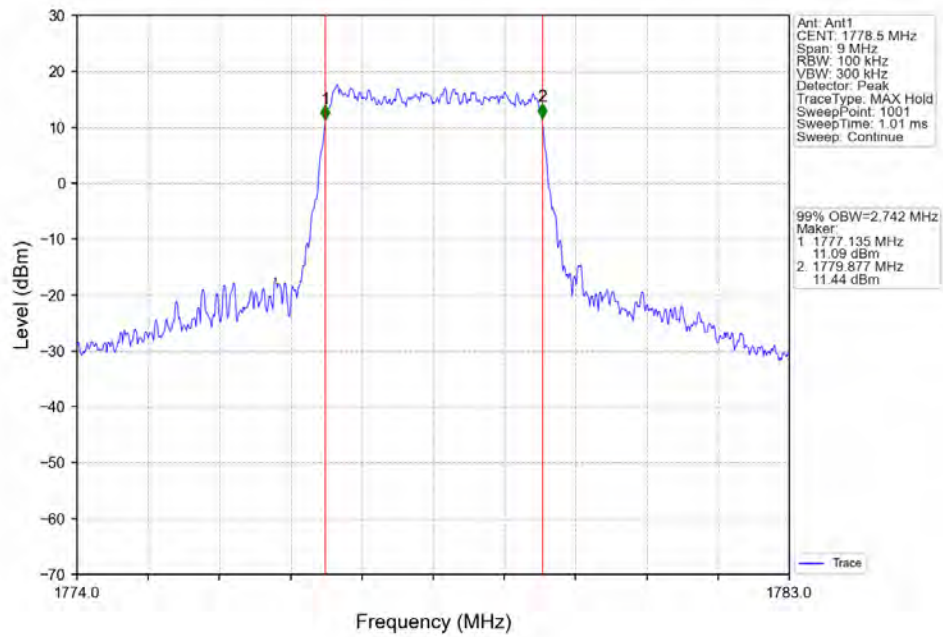
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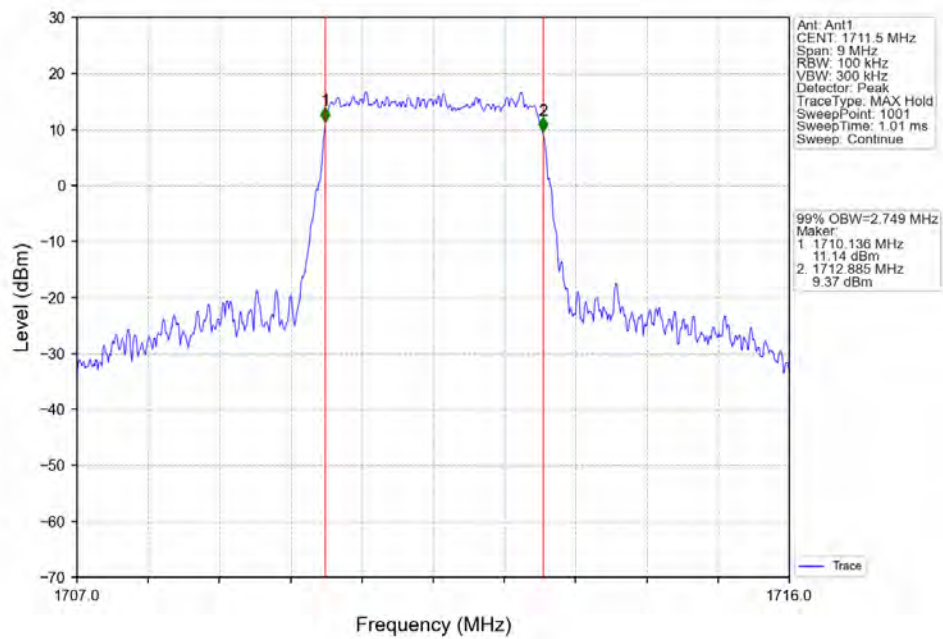
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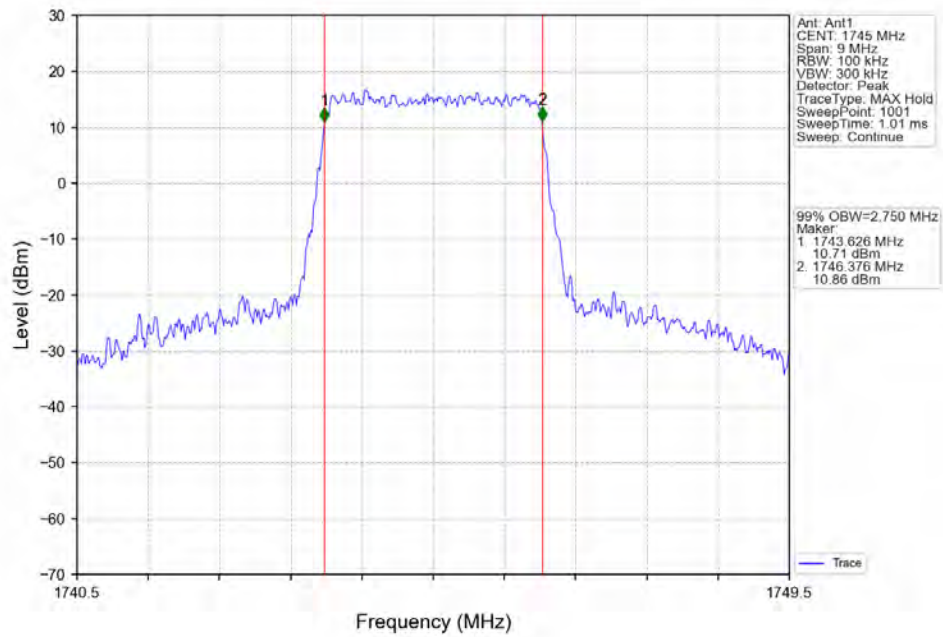
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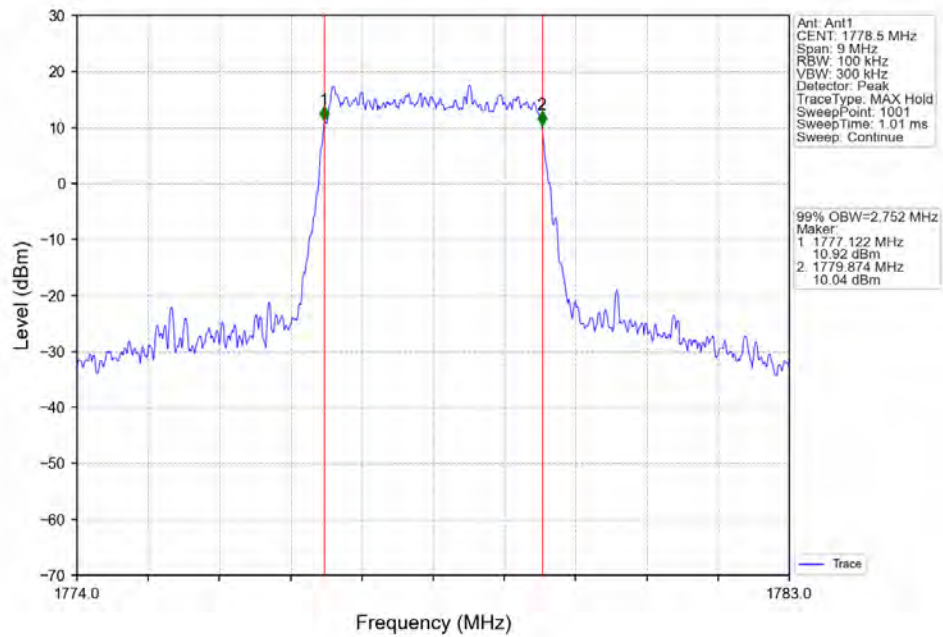
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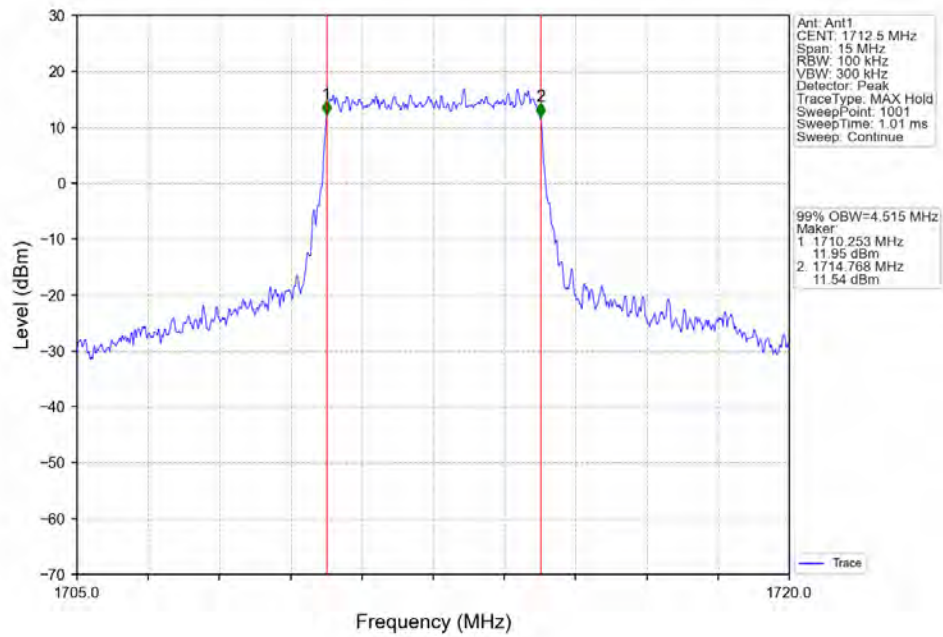
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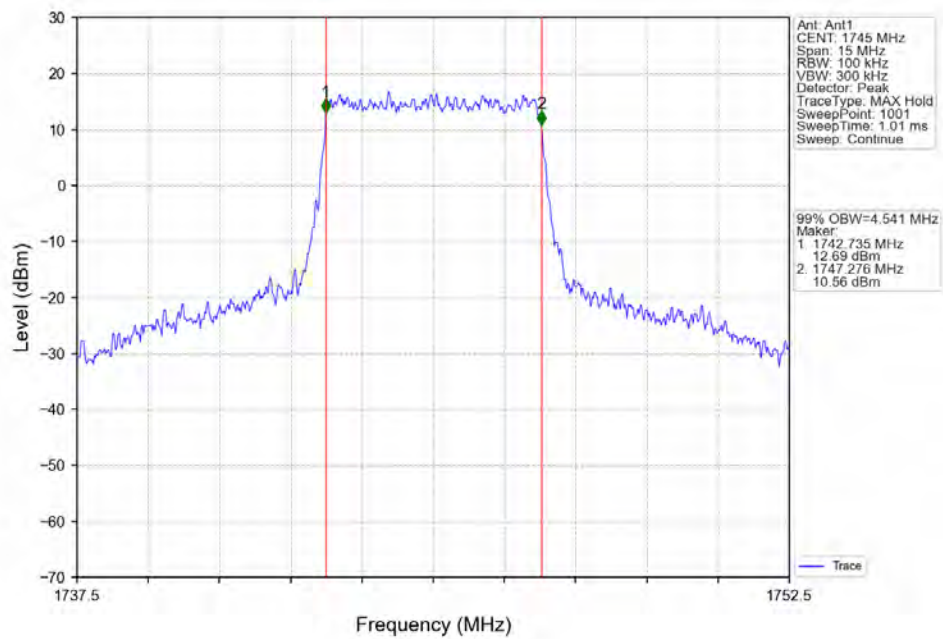
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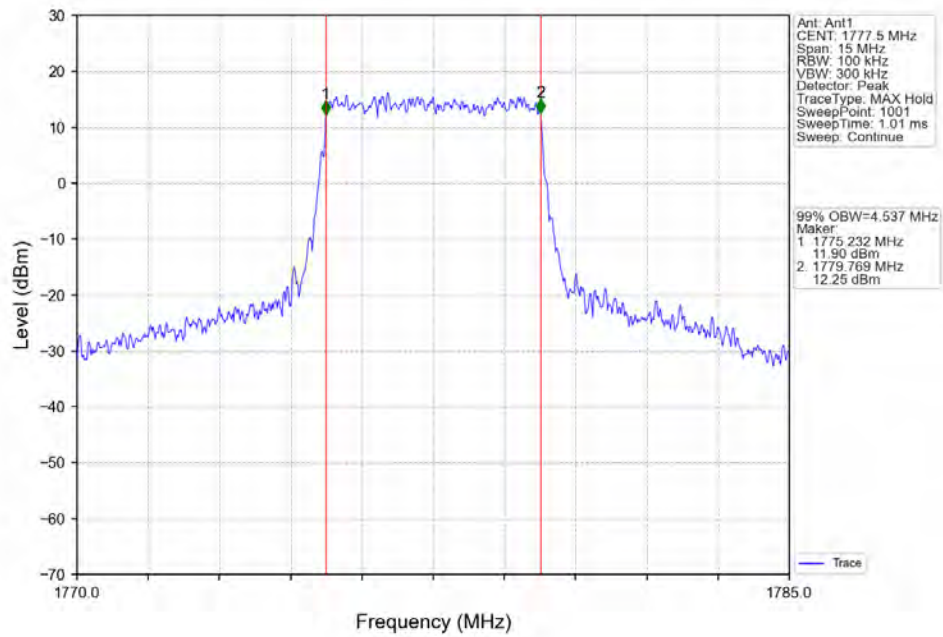
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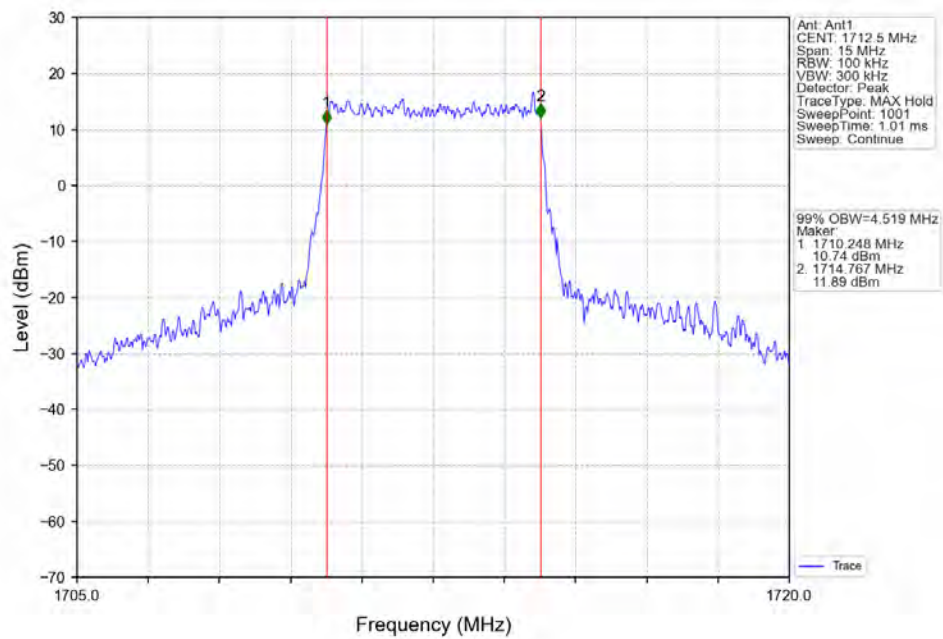
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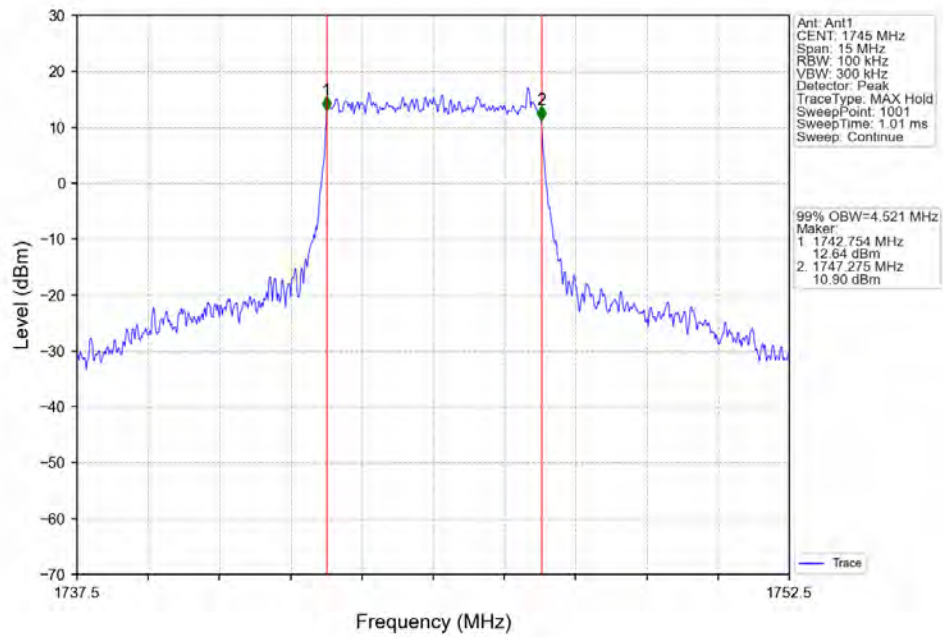
Band66 5MHz QPSK HCH 1777.5MHz RB 25 0 NTNV



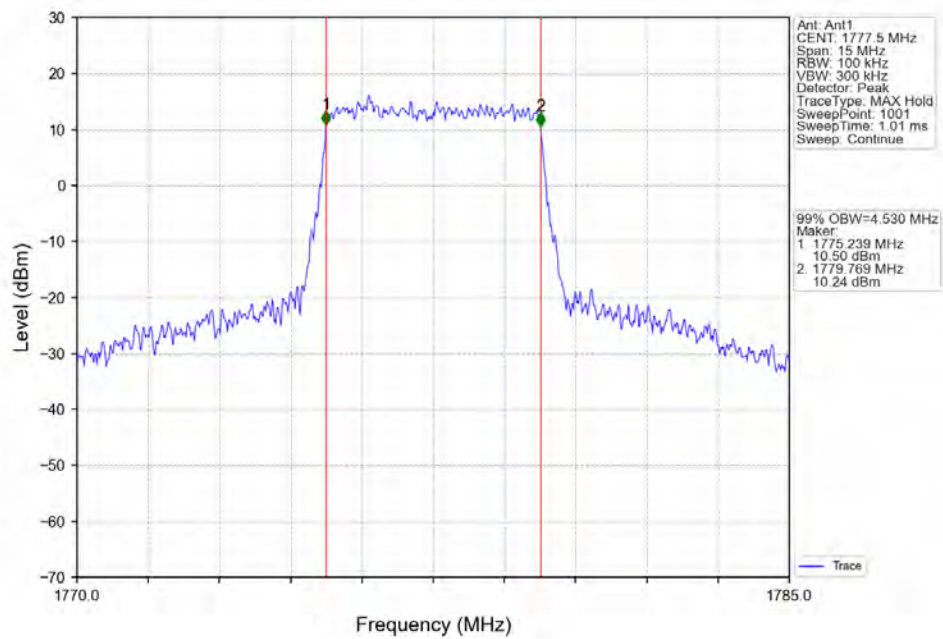
Band66 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



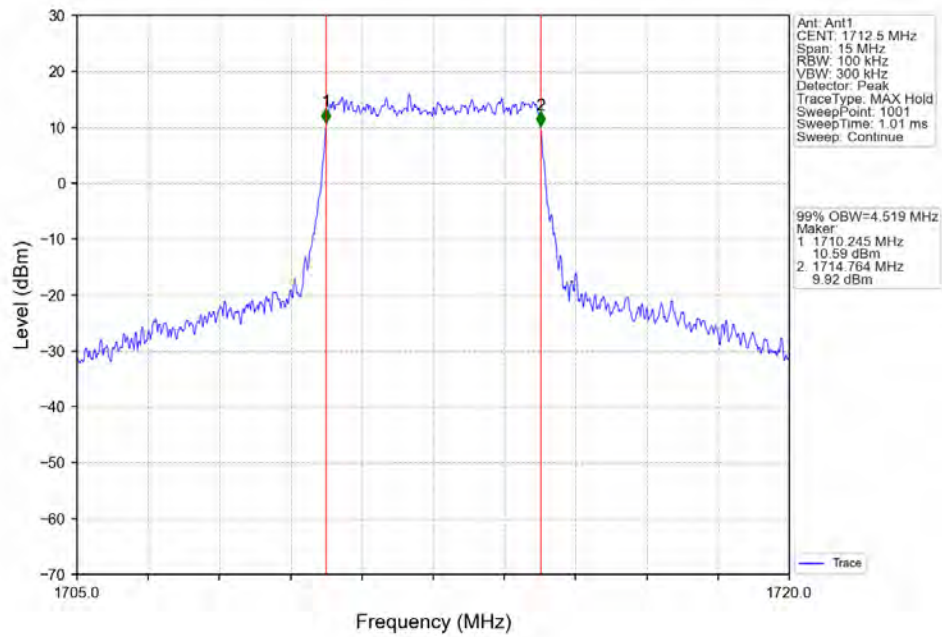
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



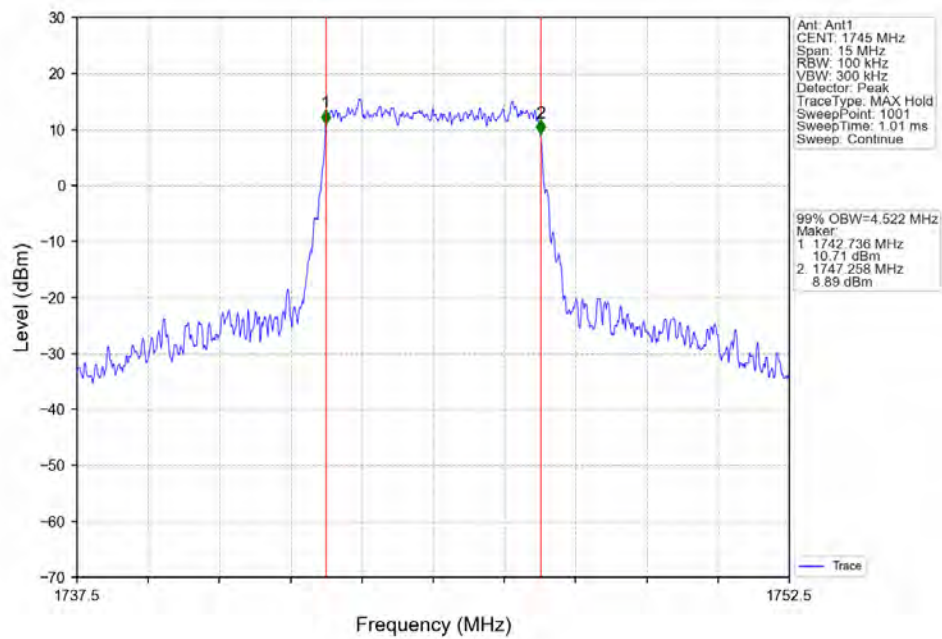
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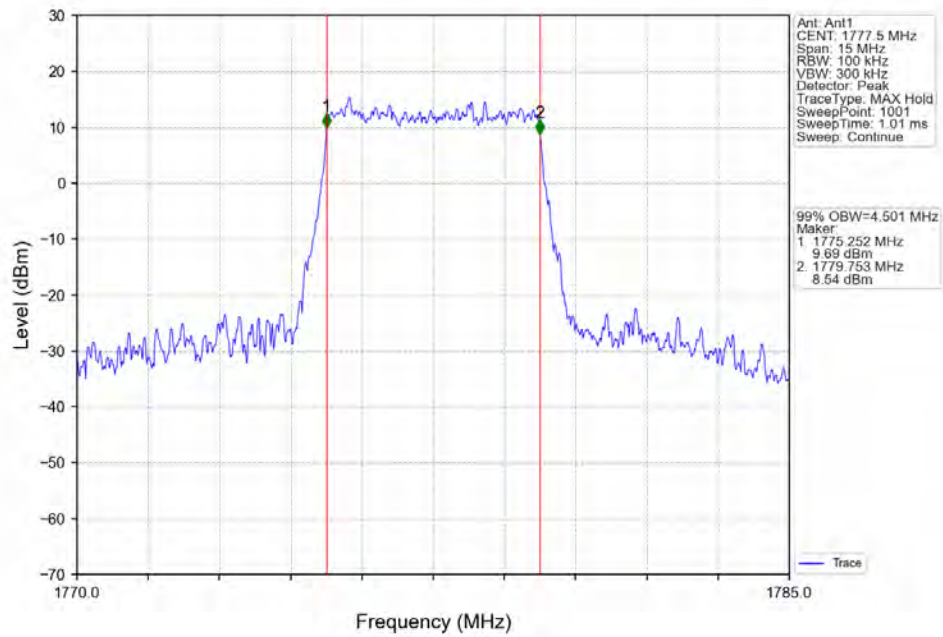
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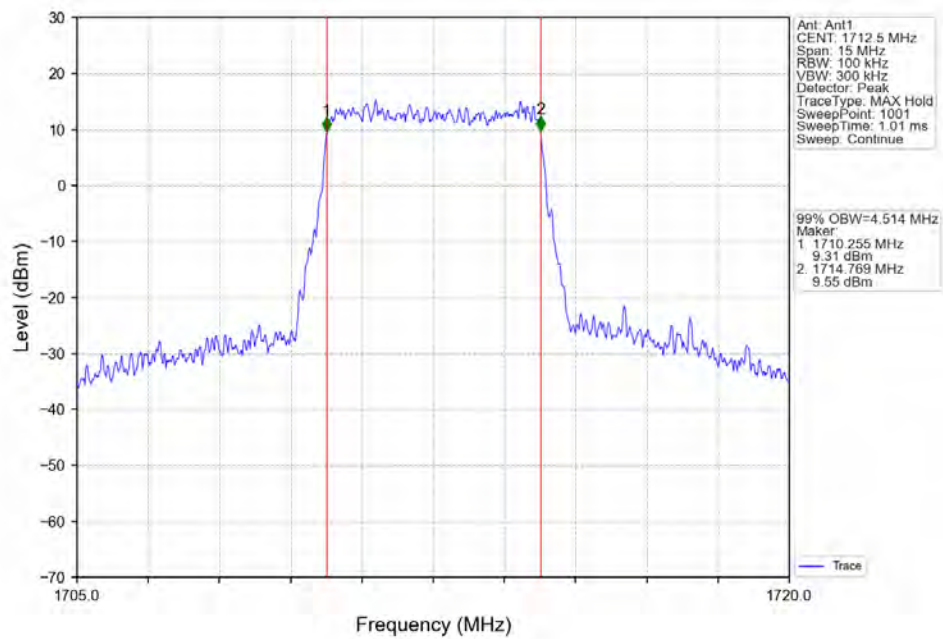
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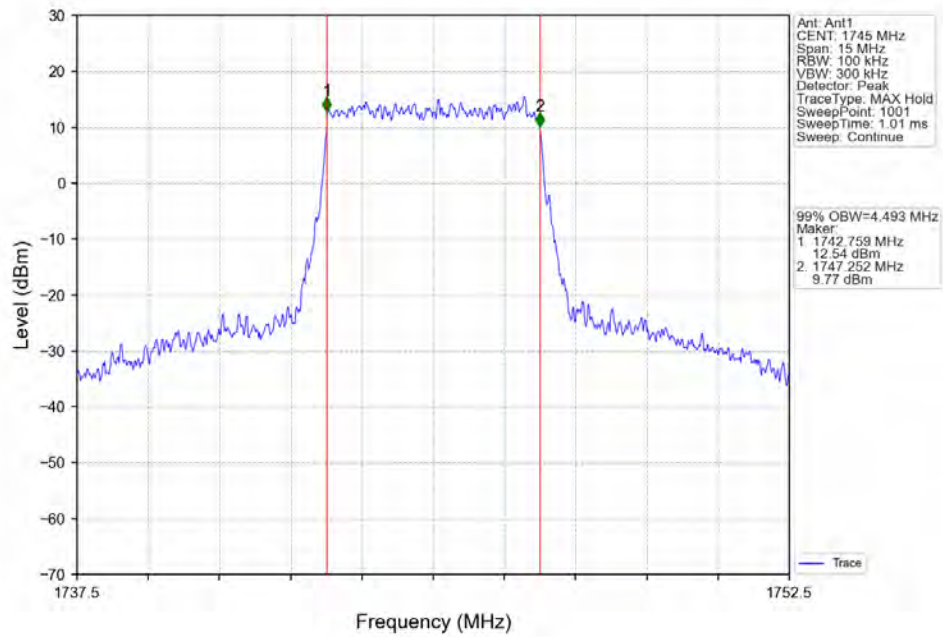
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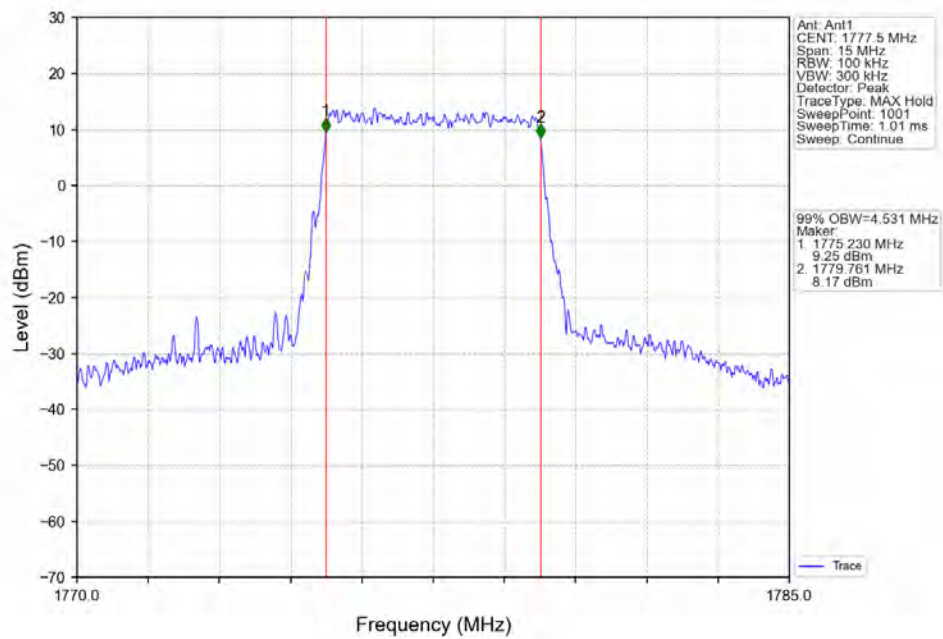
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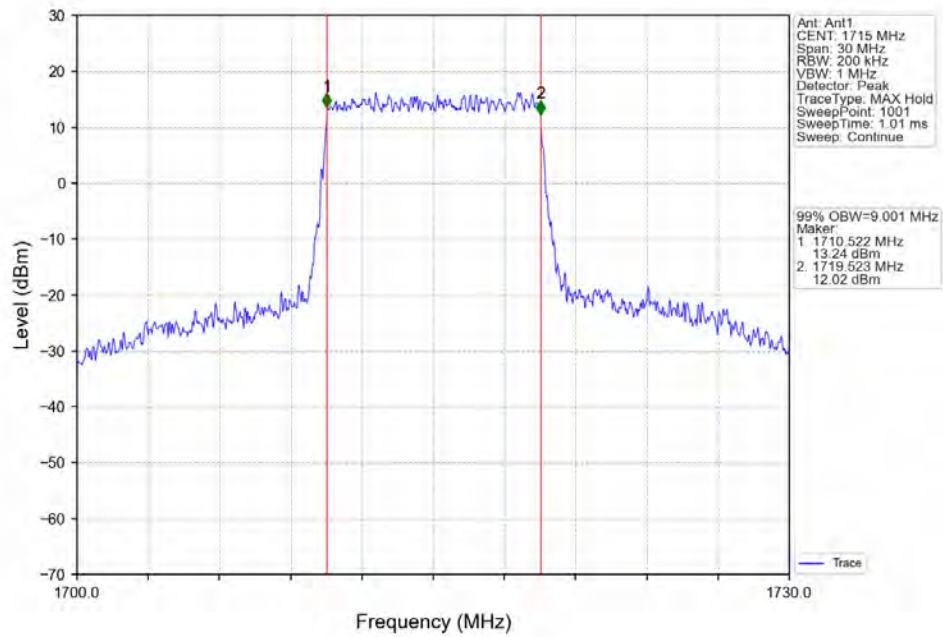
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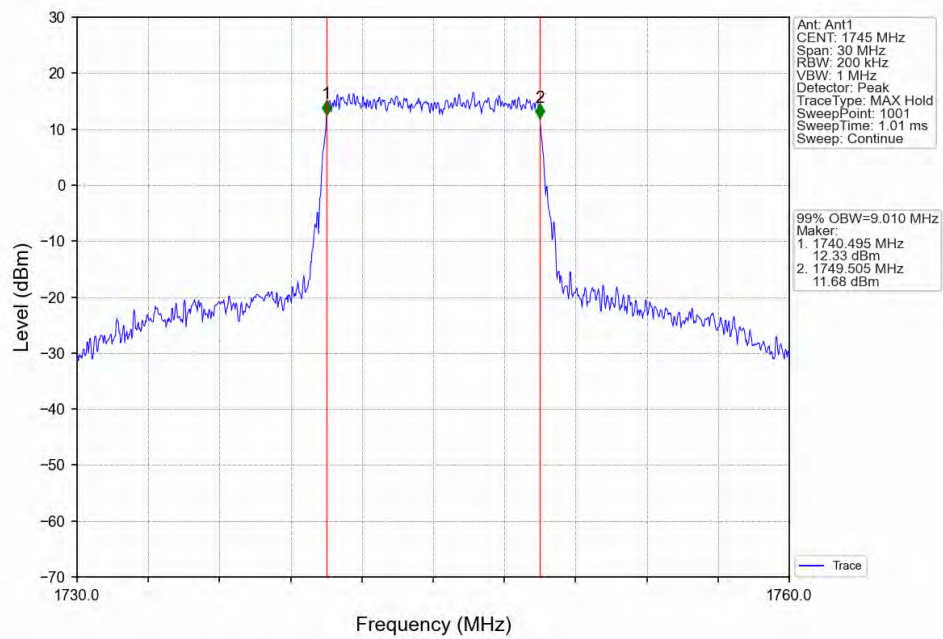
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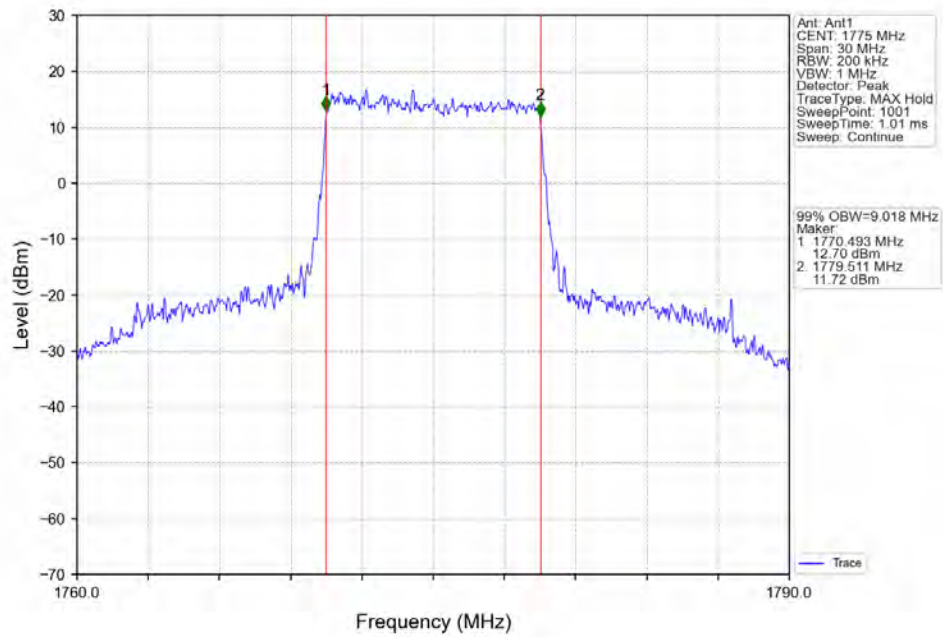
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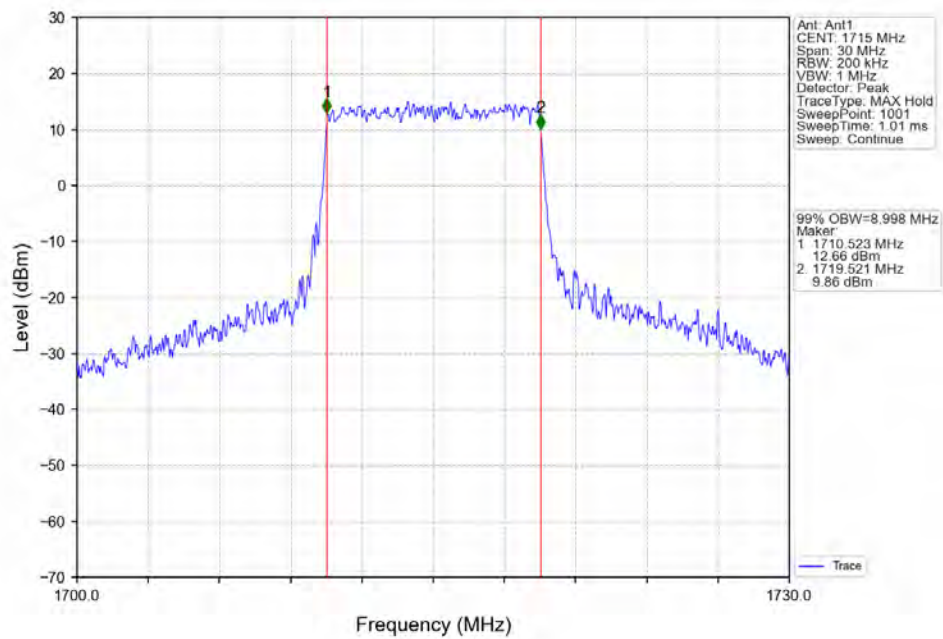
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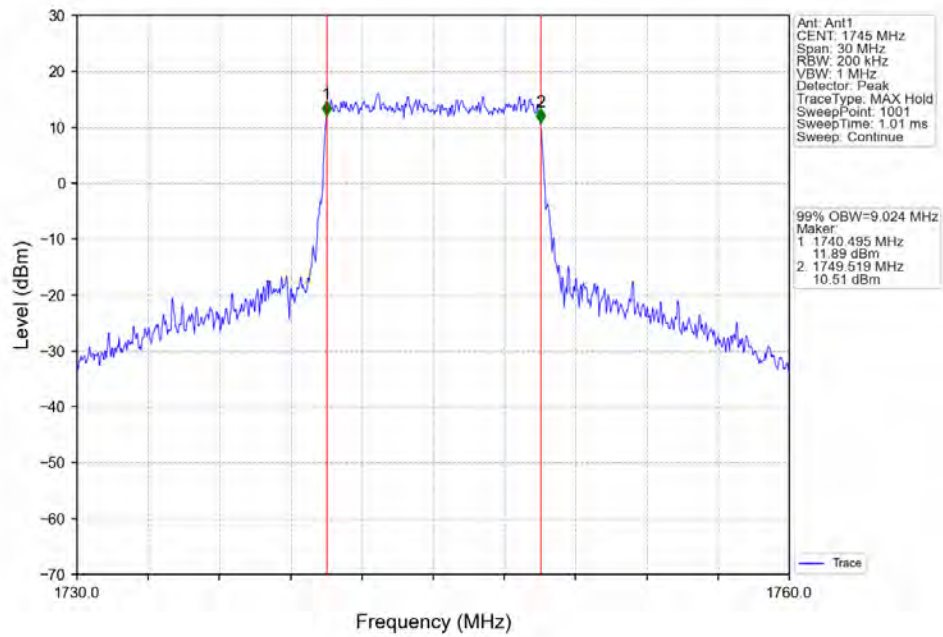
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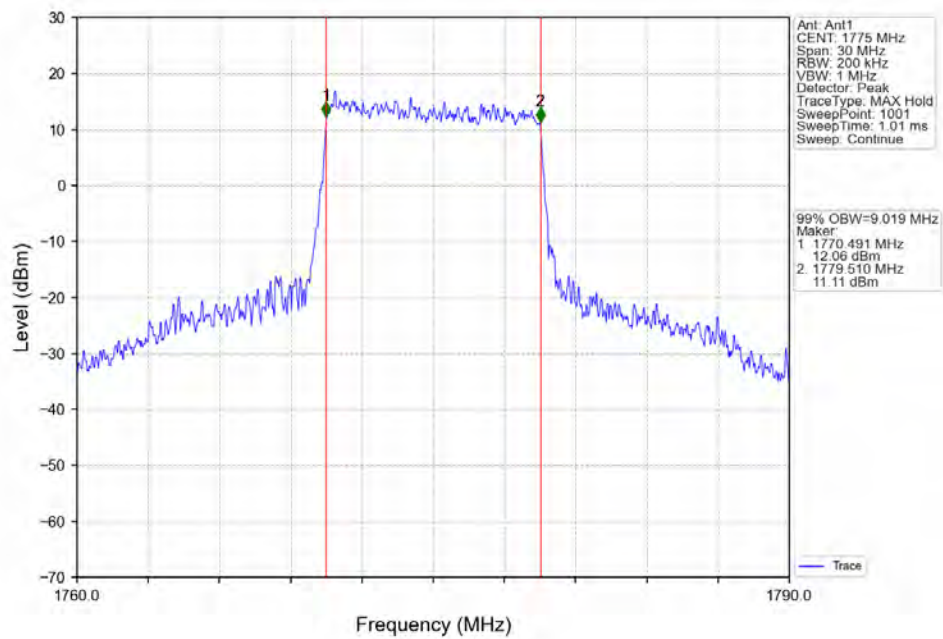
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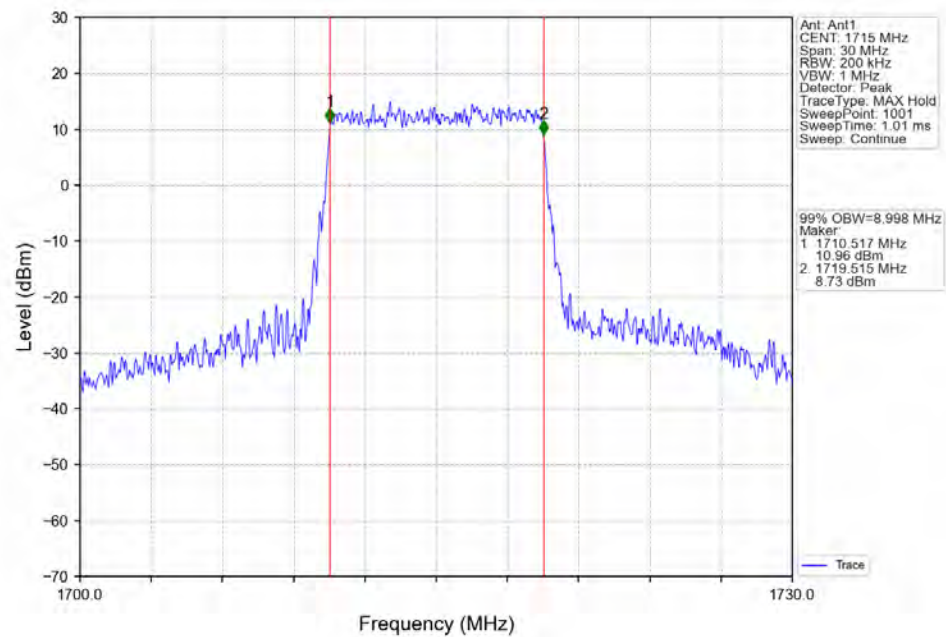
Band66 10MHz 16QAM MCH 1745MHz RB 50 0 NTN



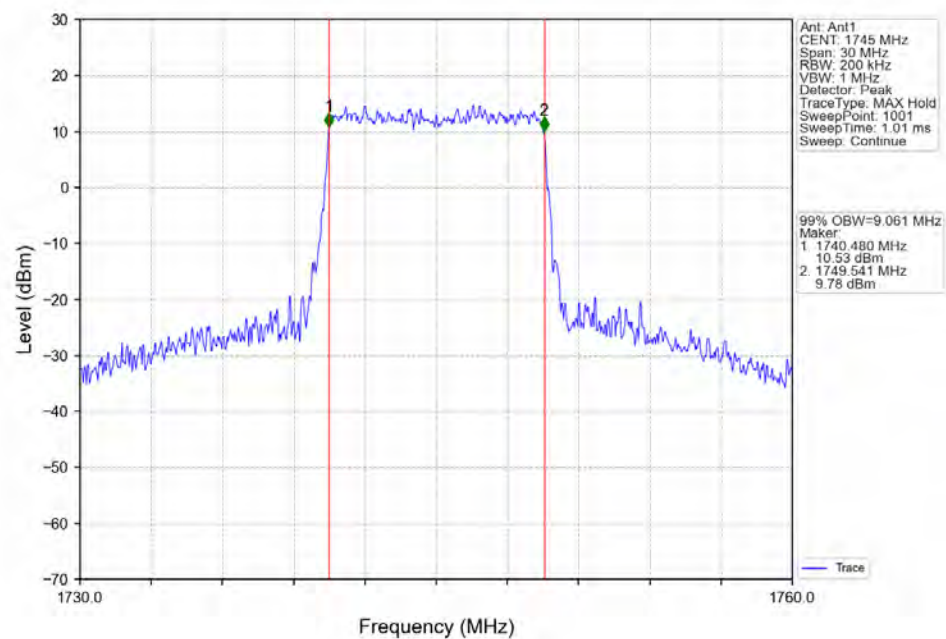
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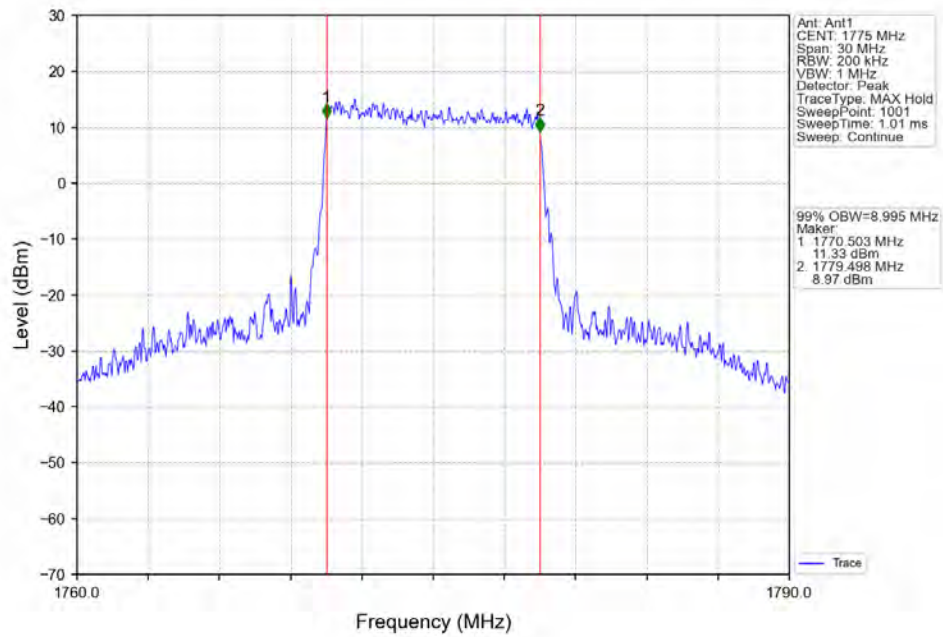
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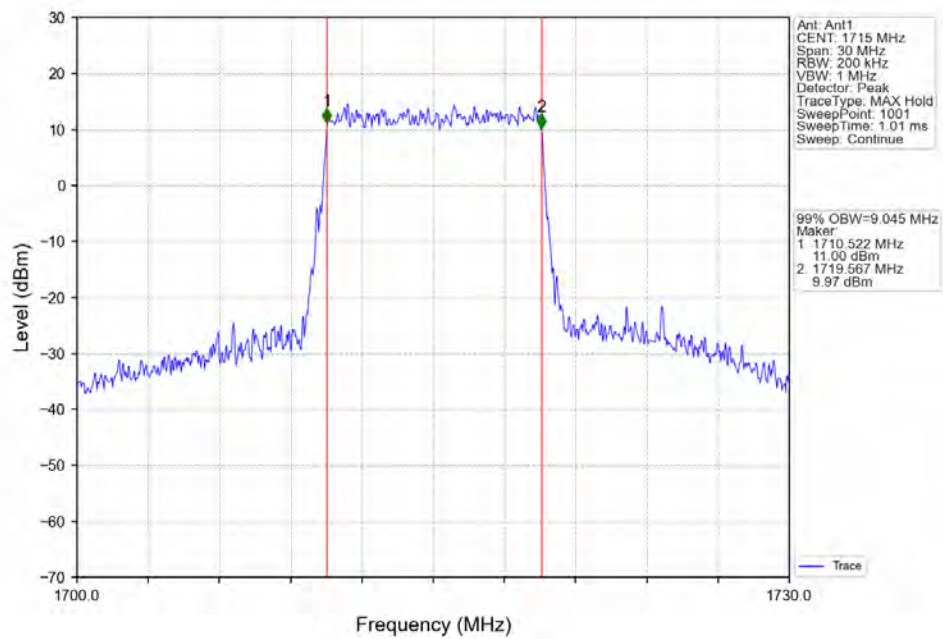
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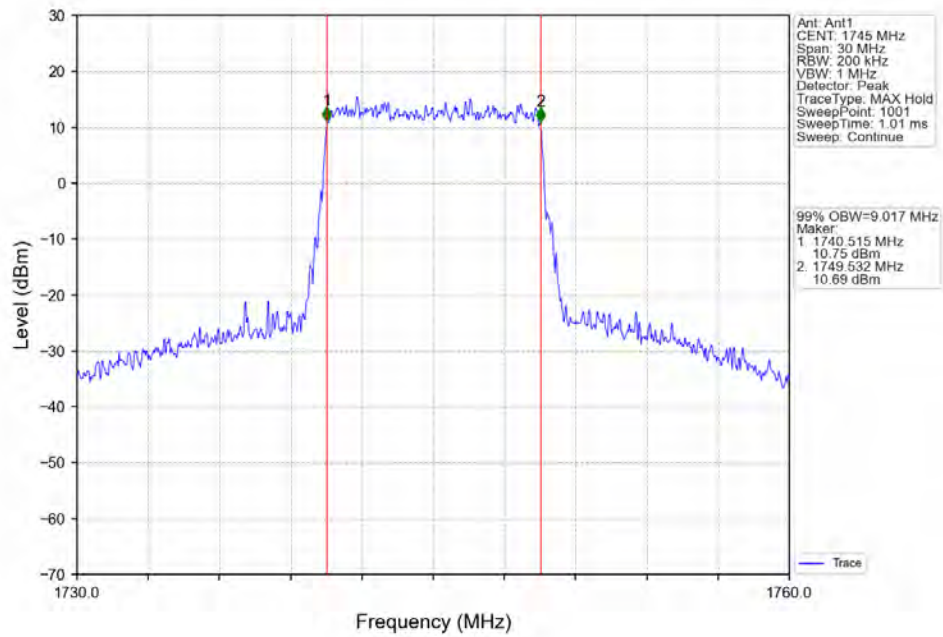
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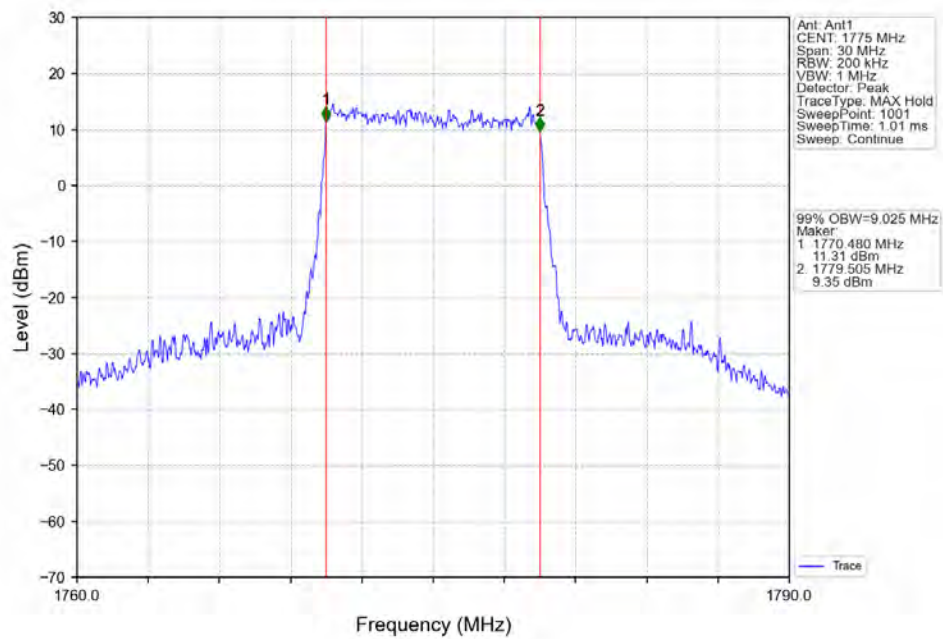
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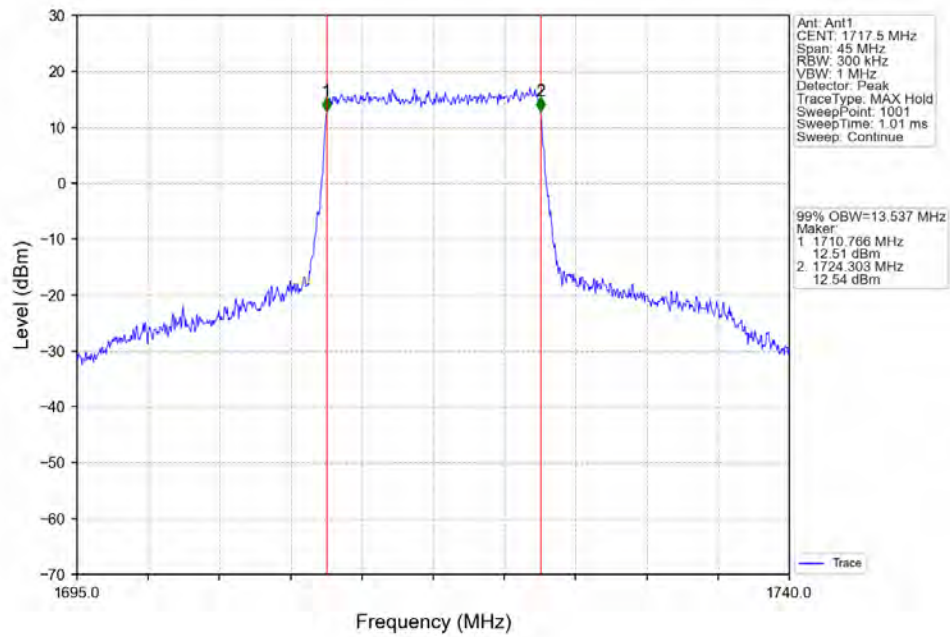
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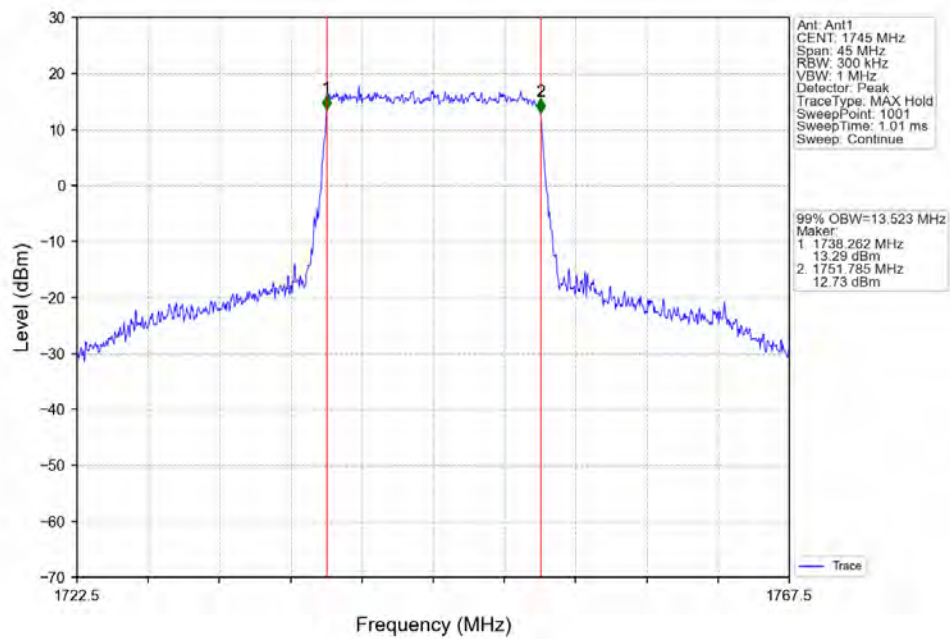
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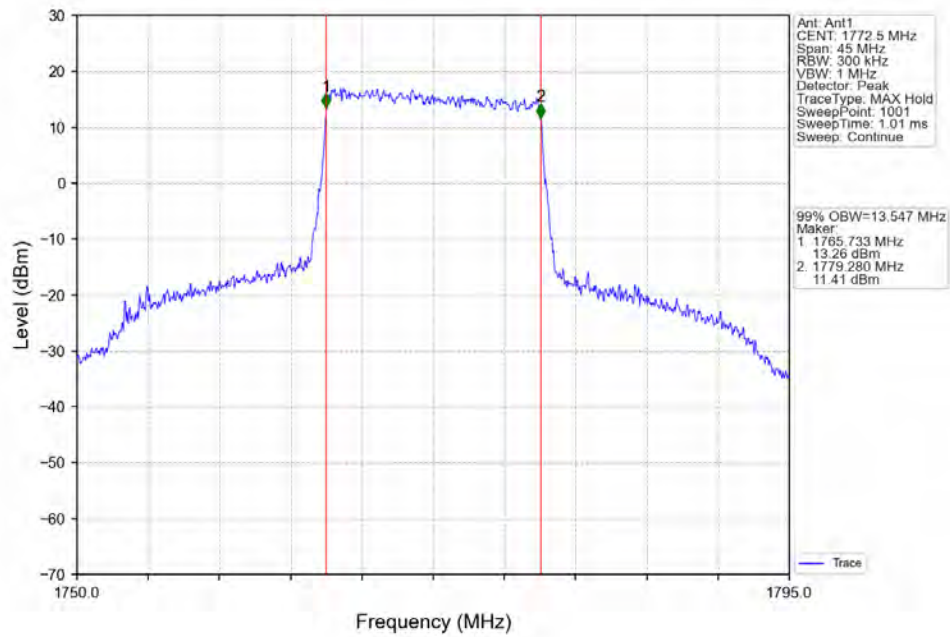
Band66 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



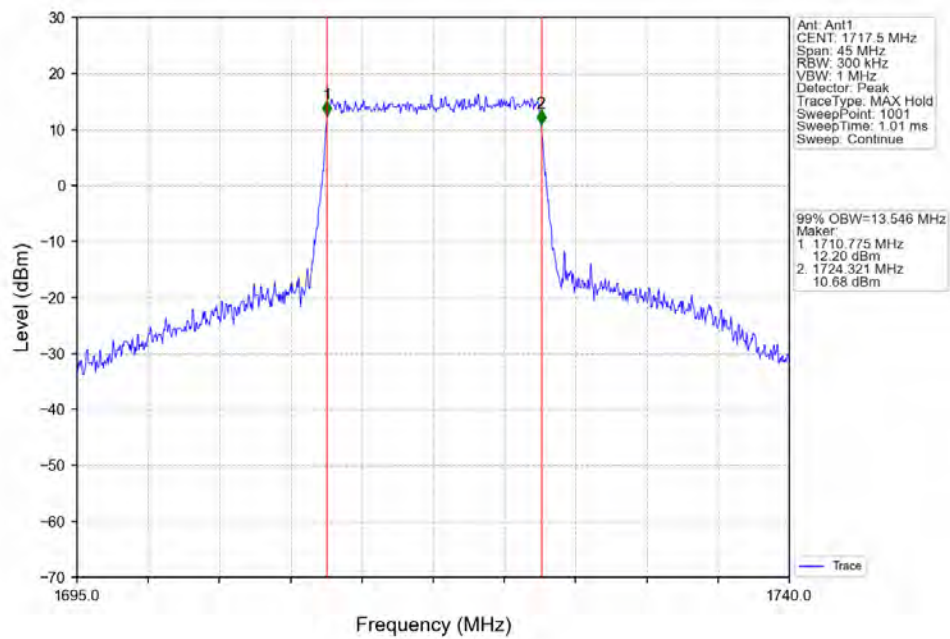
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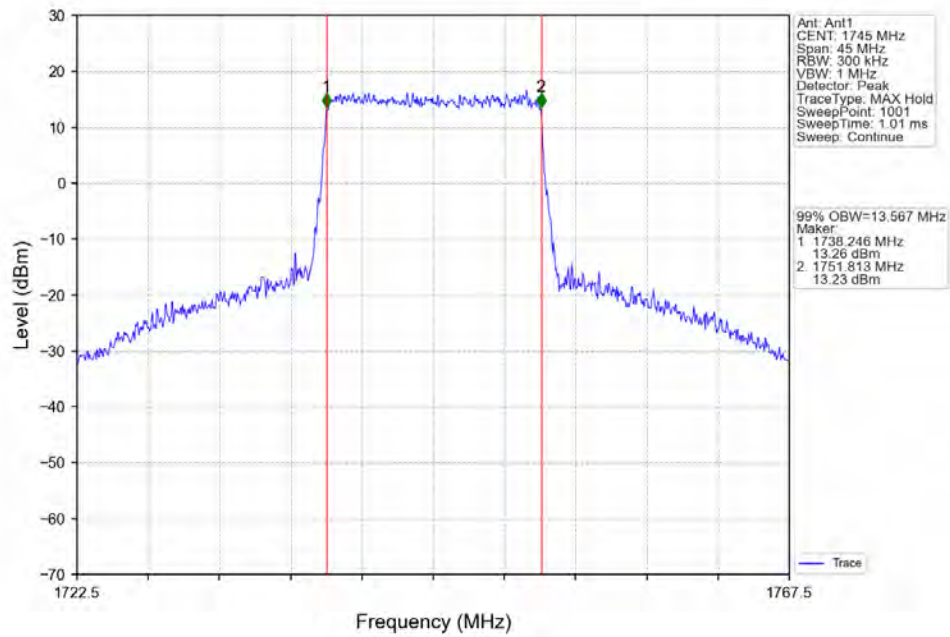
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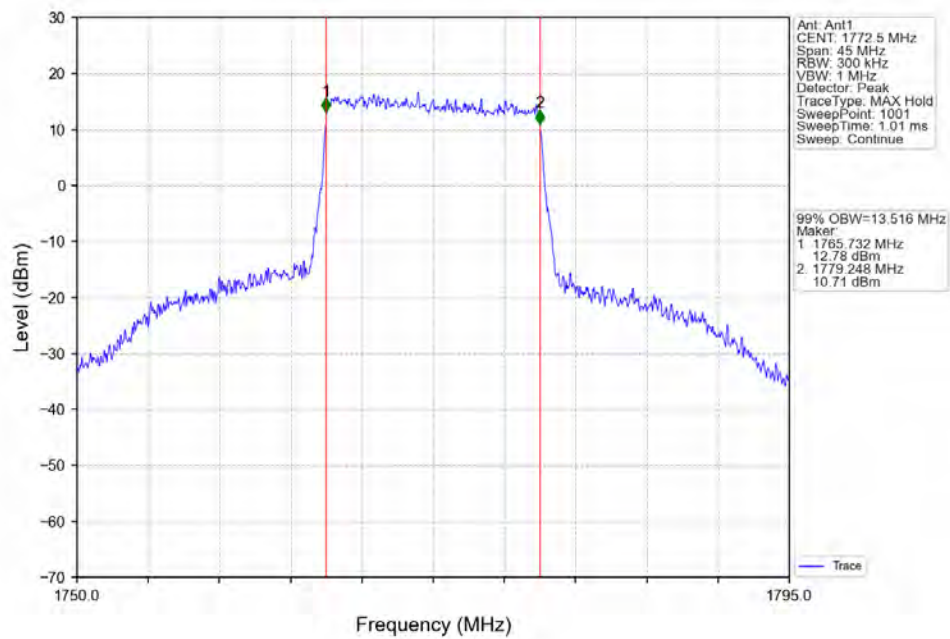
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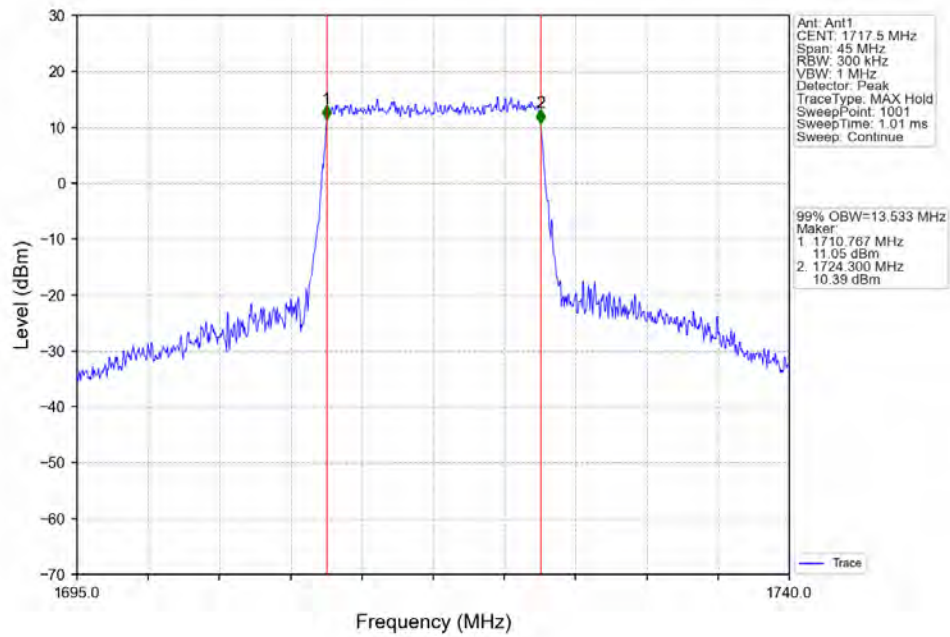
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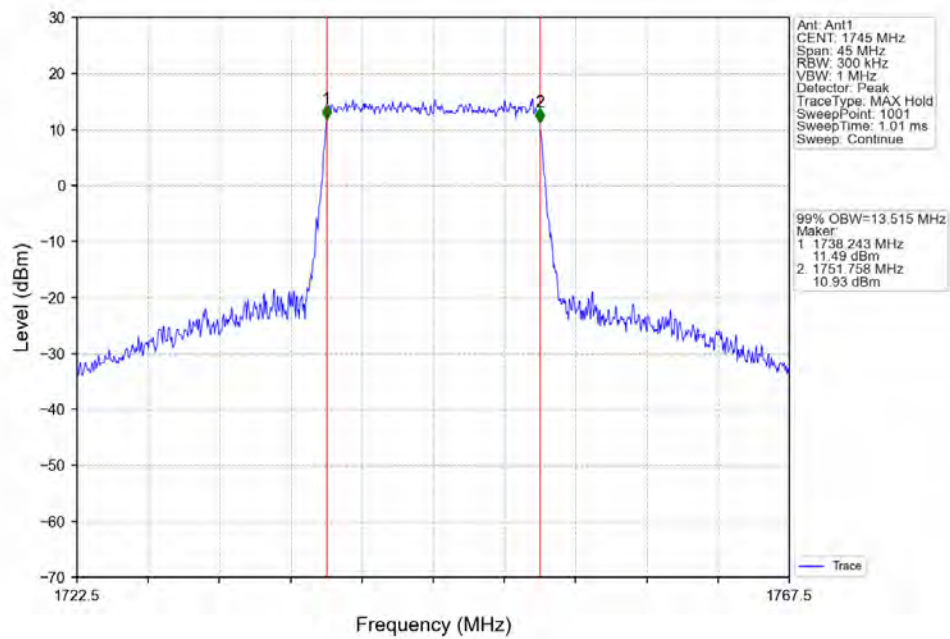
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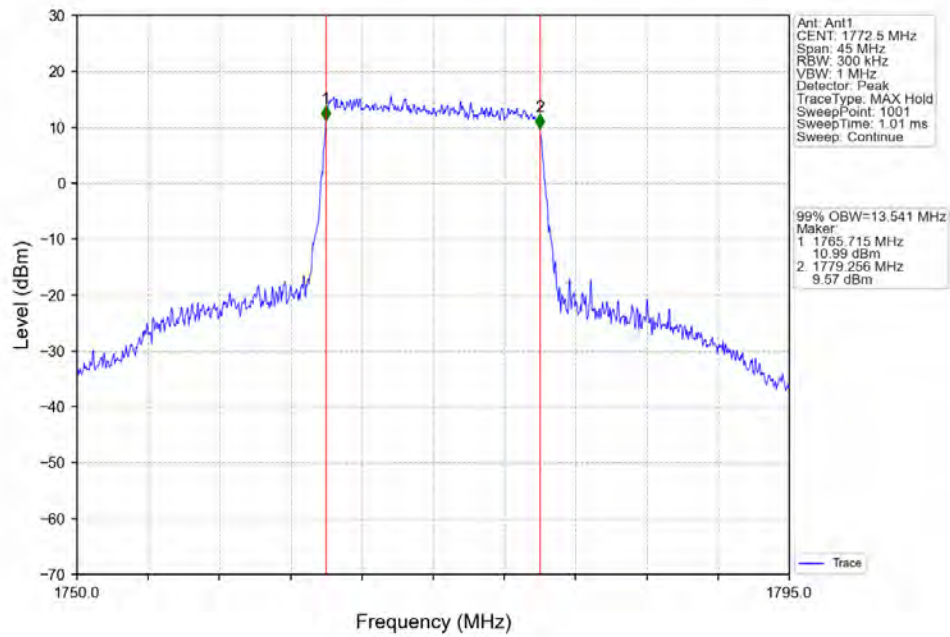
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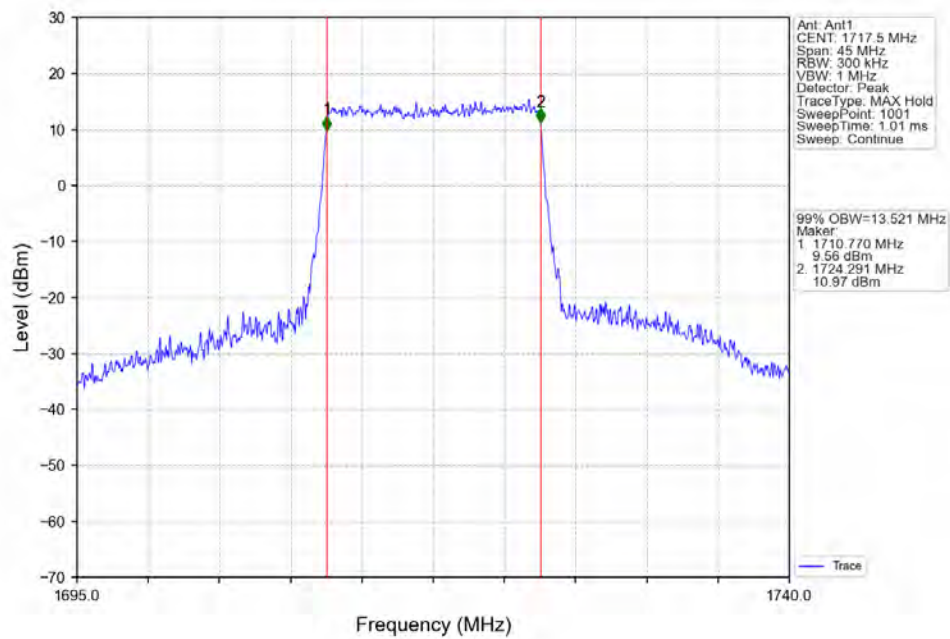
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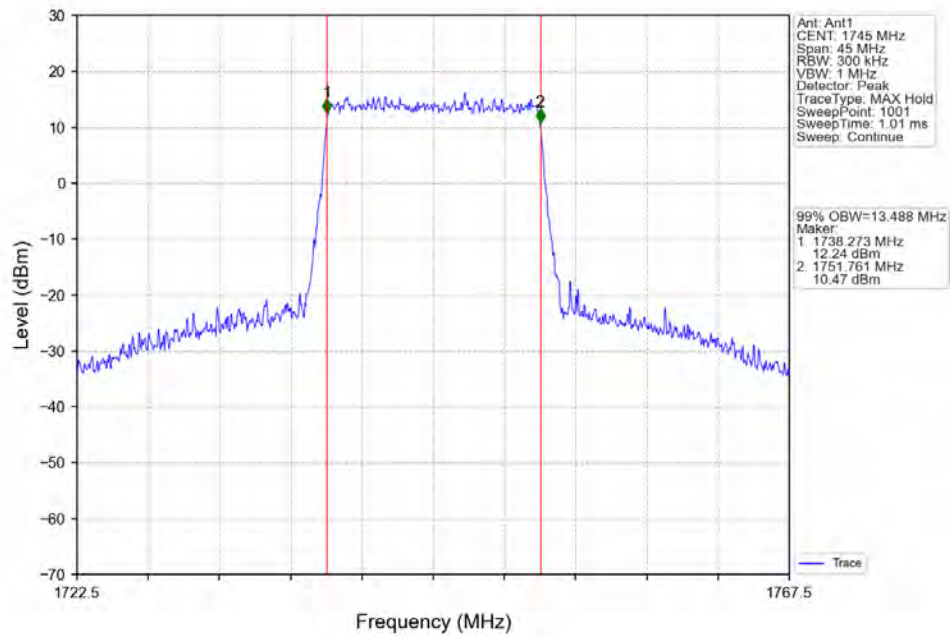
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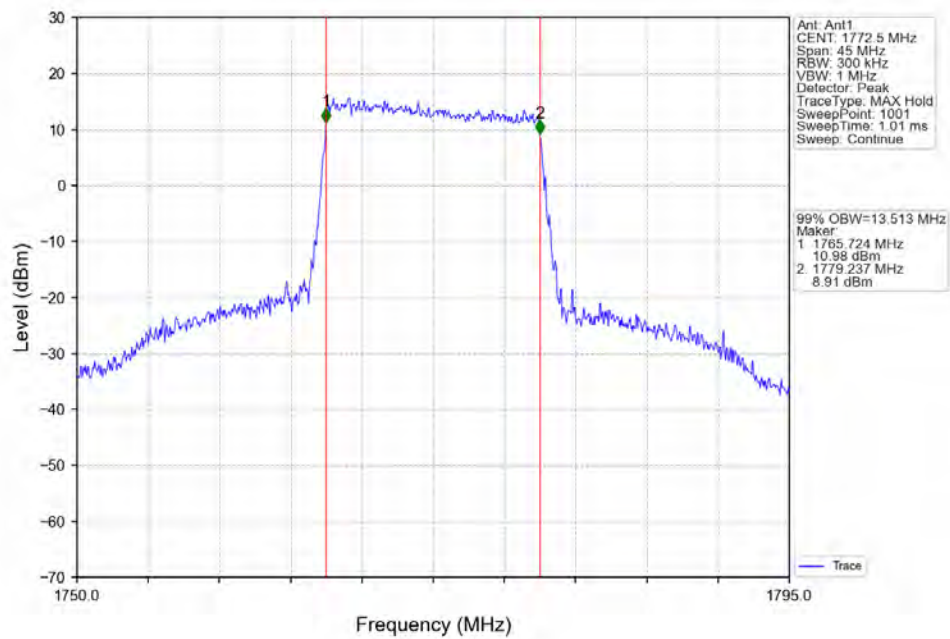
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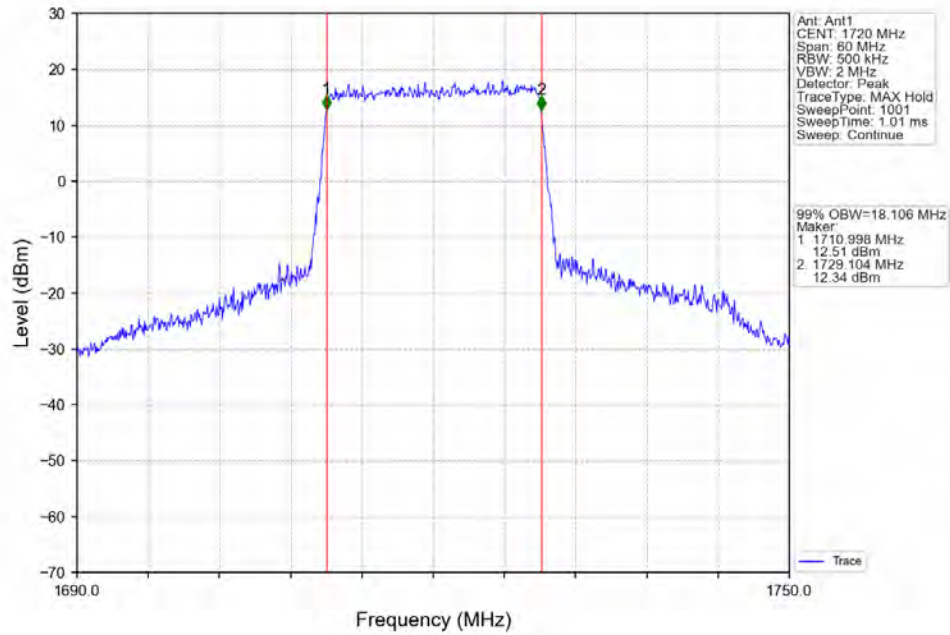
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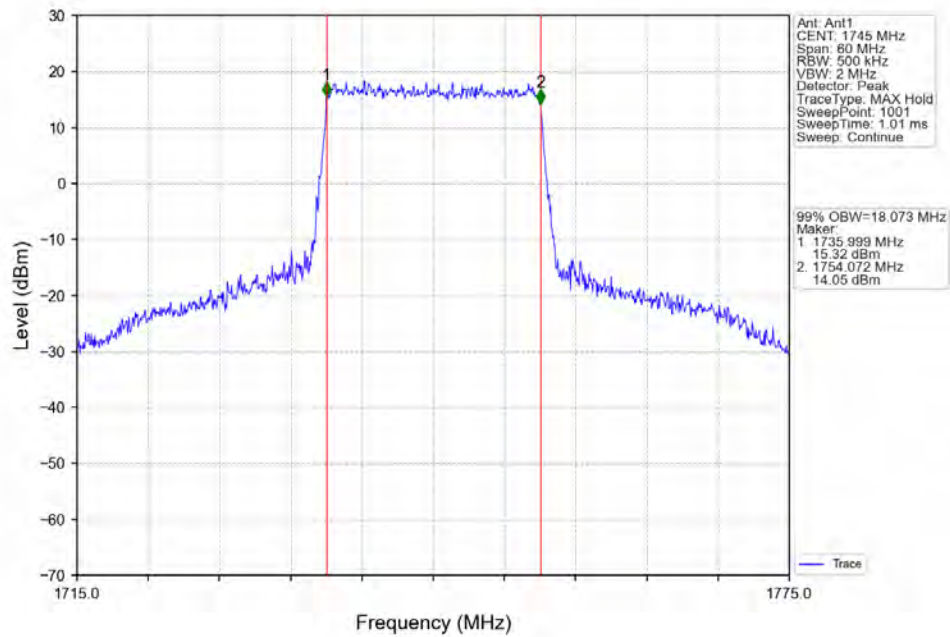
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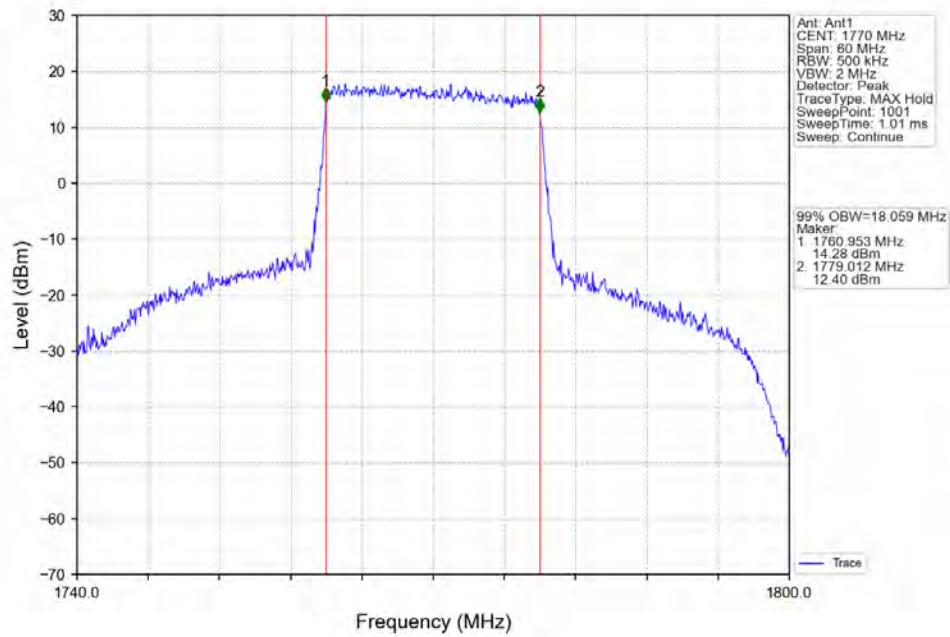
Band66 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



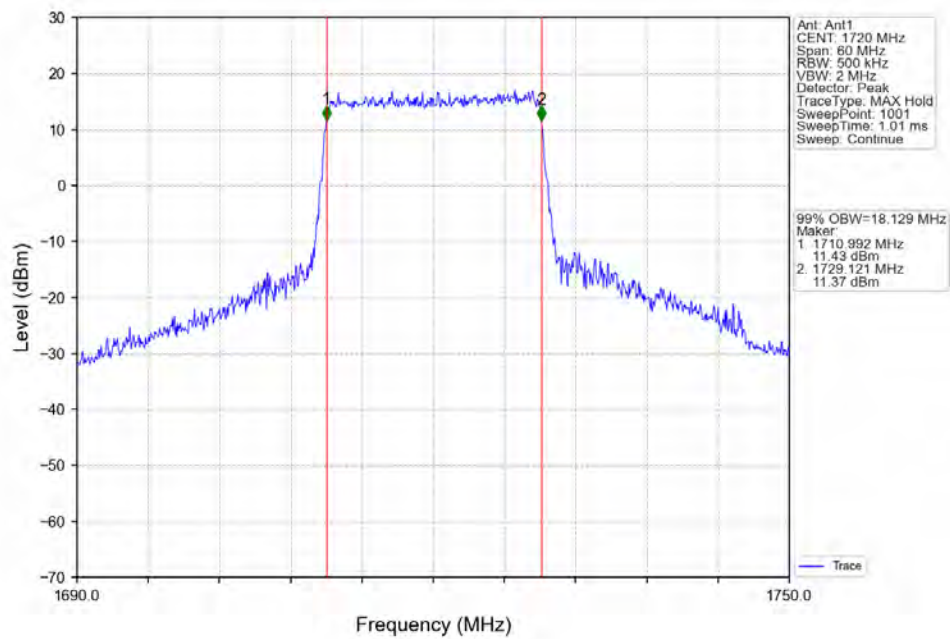
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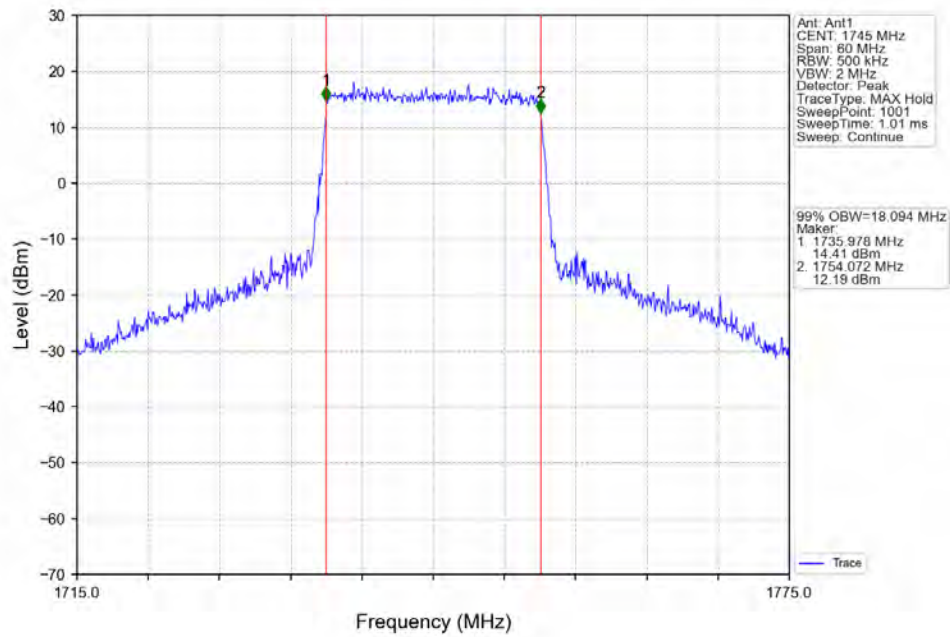
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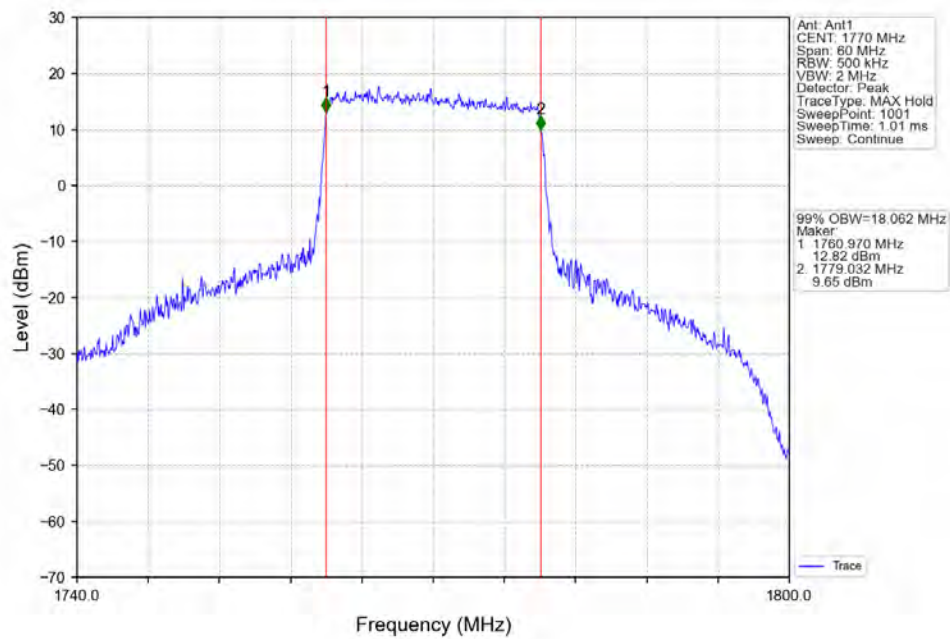
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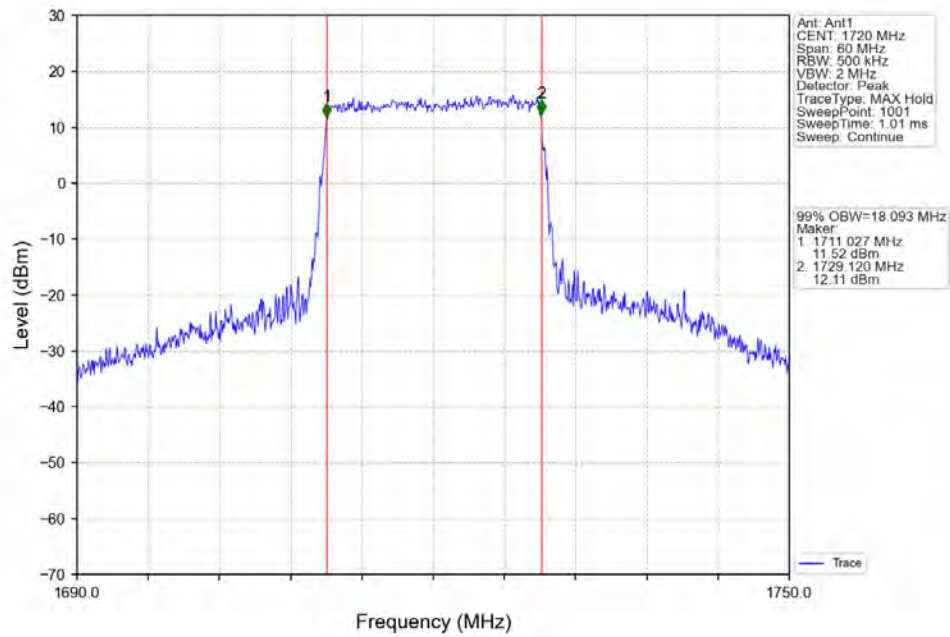
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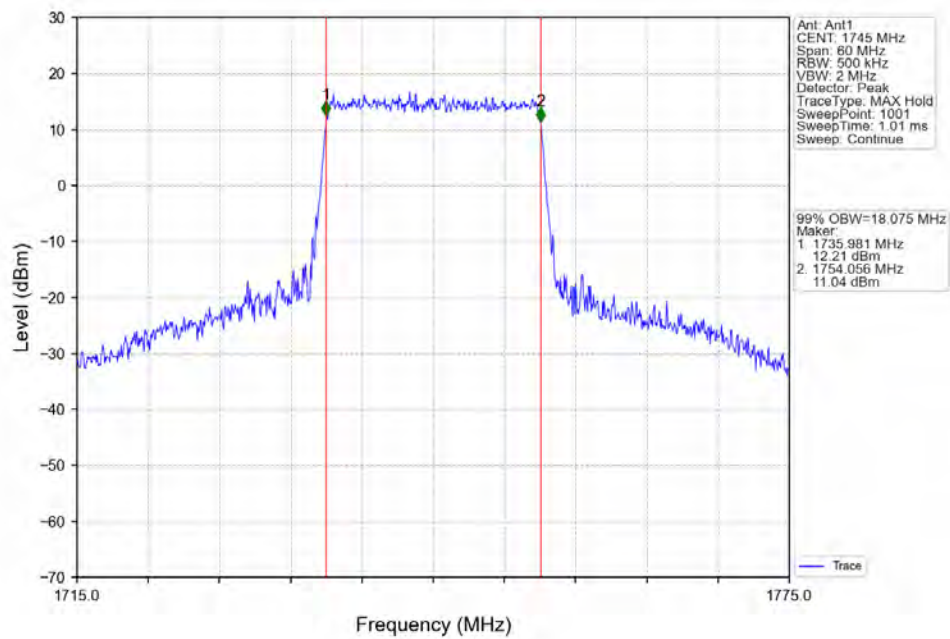
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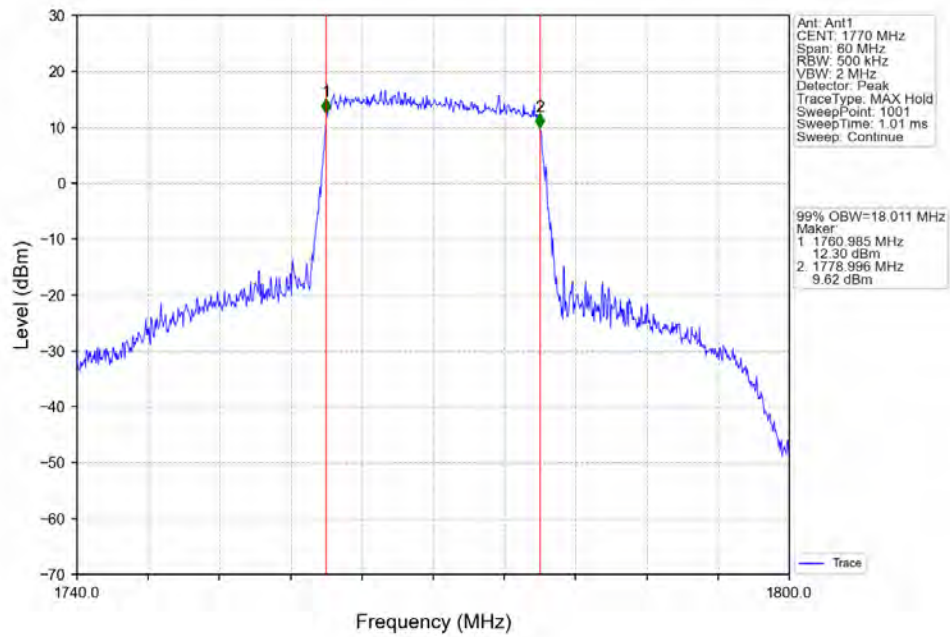
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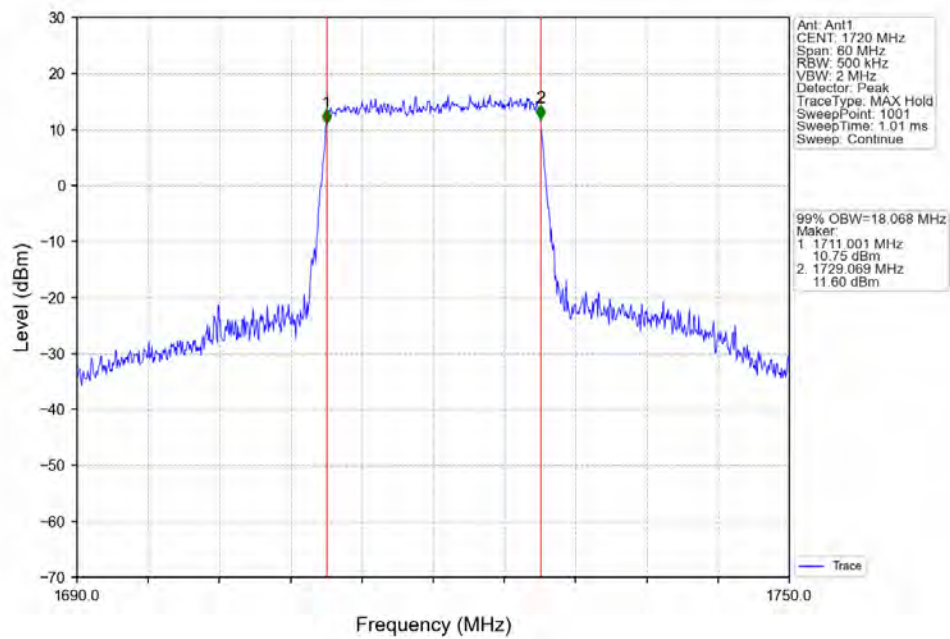
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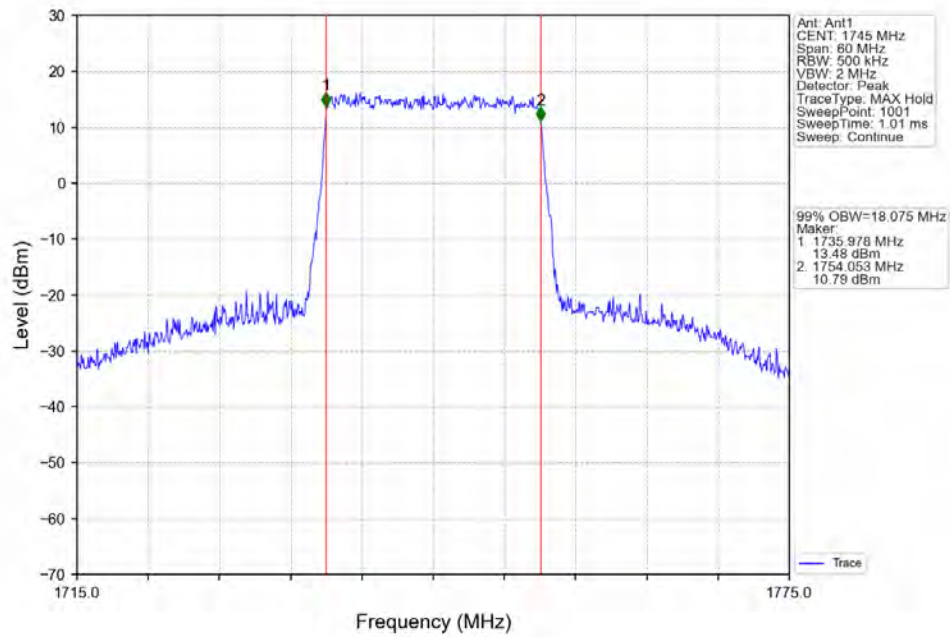
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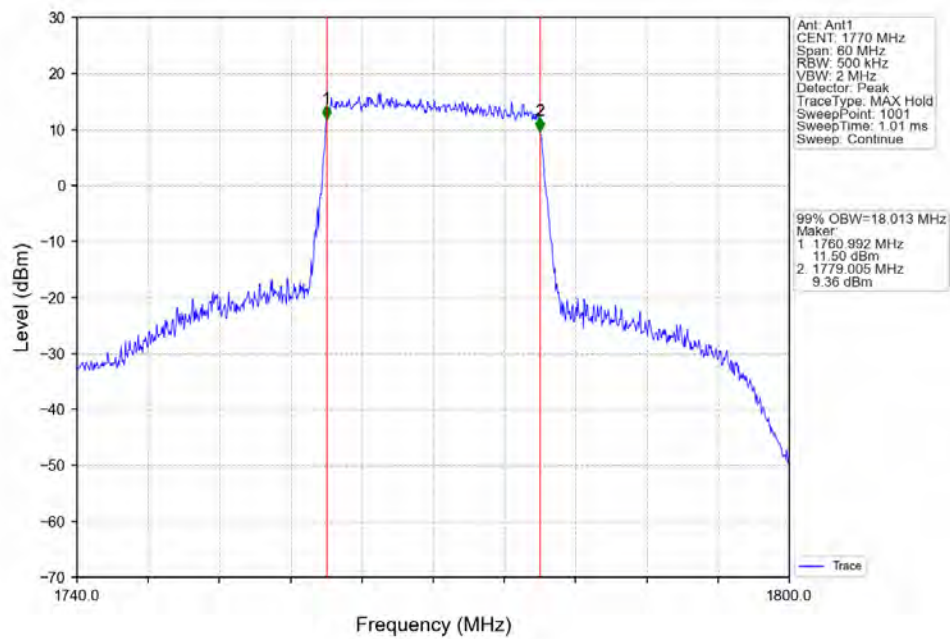
Band66 20MHz 256QAM LCH 1720MHz RB 100 0 NTNV



Band66 20MHz 256QAM MCH 1745MHz RB 100 0 NTN



Band66_20MHz_256QAM_HCH_1770MHz_RB_100_0 NTN



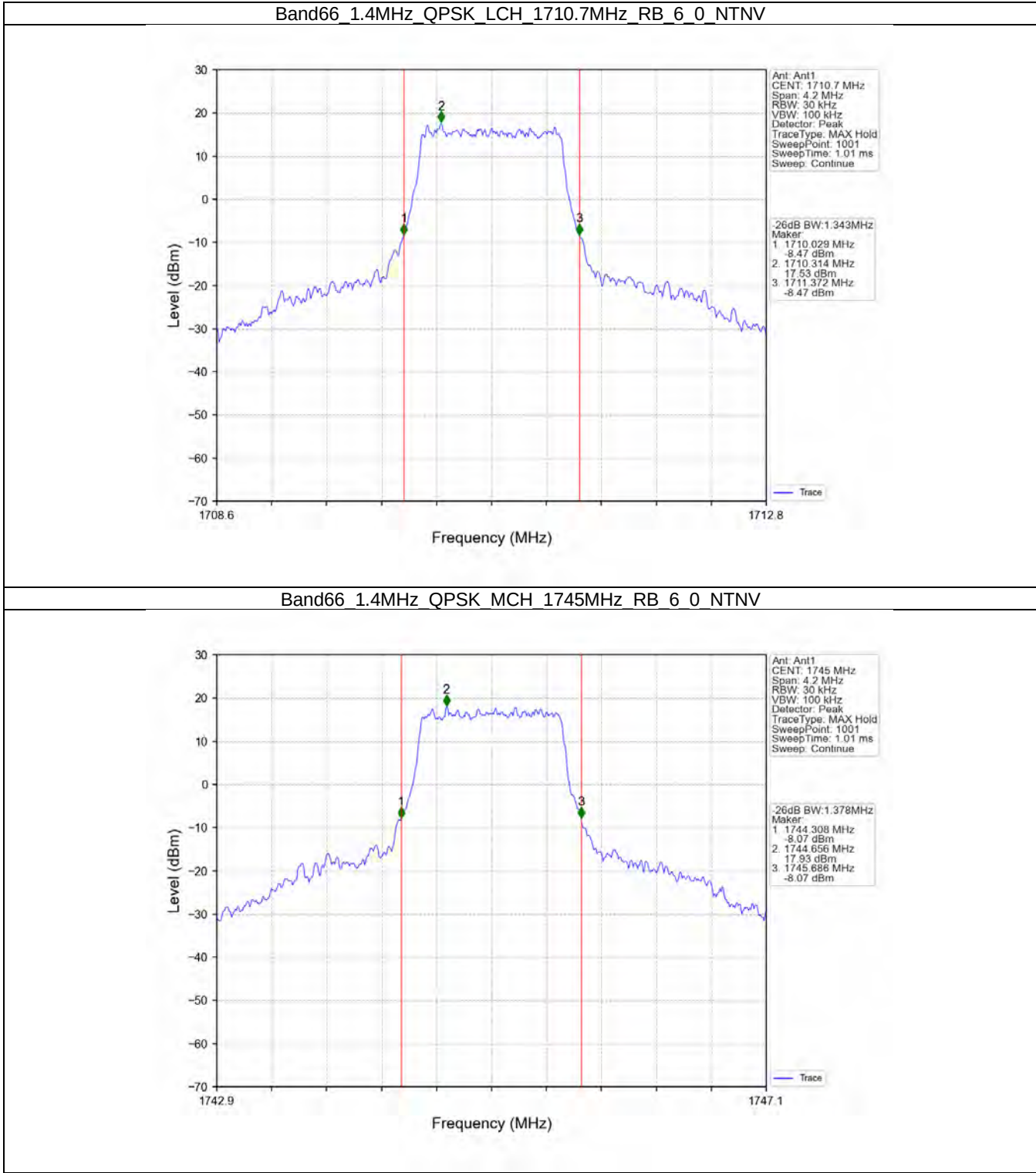
3.2 Band66_XDB

3.2.1 Test Result

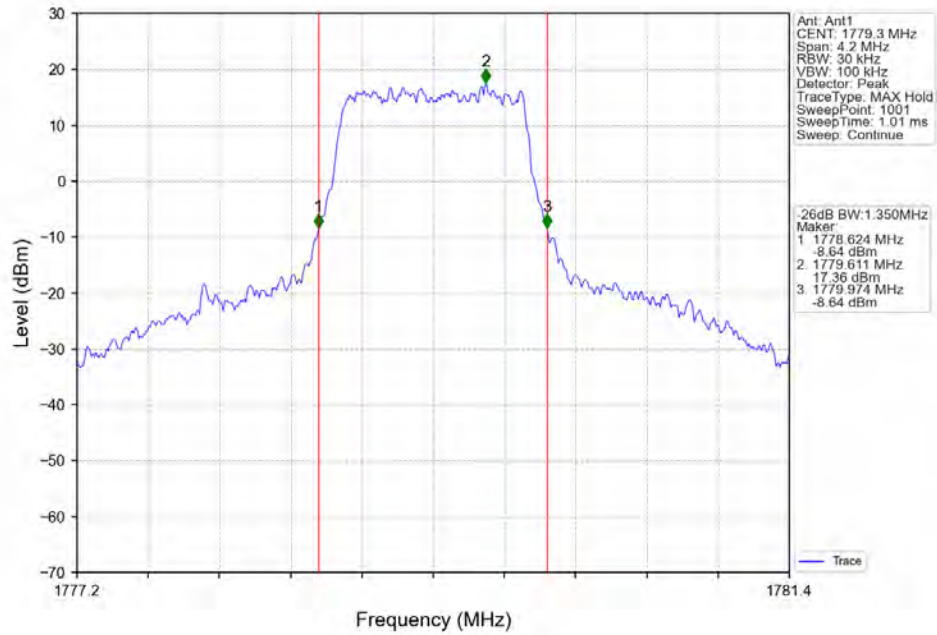
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.343	/	Pass
		1745	6	0	1.378	/	Pass
		1779.3	6	0	1.350	/	Pass
	16QAM	1710.7	6	0	1.359	/	Pass
		1745	6	0	1.413	/	Pass
		1779.3	6	0	1.385	/	Pass
	64QAM	1710.7	6	0	1.372	/	Pass
		1745	6	0	1.410	/	Pass
		1779.3	6	0	1.364	/	Pass
	256QAM	1710.7	6	0	1.356	/	Pass
		1745	6	0	1.391	/	Pass
		1779.3	6	0	1.365	/	Pass
3	QPSK	1711.5	15	0	3.123	/	Pass
		1745	15	0	3.149	/	Pass
		1778.5	15	0	3.098	/	Pass
	16QAM	1711.5	15	0	3.113	/	Pass
		1745	15	0	3.105	/	Pass
		1778.5	15	0	3.131	/	Pass
	64QAM	1711.5	15	0	3.141	/	Pass
		1745	15	0	3.131	/	Pass
		1778.5	15	0	3.113	/	Pass
	256QAM	1711.5	15	0	3.121	/	Pass
		1745	15	0	3.141	/	Pass
		1778.5	15	0	3.099	/	Pass
5	QPSK	1712.5	25	0	5.112	/	Pass
		1745	25	0	5.104	/	Pass
		1777.5	25	0	5.154	/	Pass
	16QAM	1712.5	25	0	5.145	/	Pass
		1745	25	0	5.005	/	Pass
		1777.5	25	0	5.178	/	Pass
	64QAM	1712.5	25	0	5.117	/	Pass
		1745	25	0	5.098	/	Pass
		1777.5	25	0	5.067	/	Pass
	256QAM	1712.5	25	0	5.115	/	Pass
		1745	25	0	5.089	/	Pass
		1777.5	25	0	5.108	/	Pass
10	QPSK	1715	50	0	9.993	/	Pass
		1745	50	0	10.173	/	Pass
		1775	50	0	9.829	/	Pass
	16QAM	1715	50	0	10.088	/	Pass
		1745	50	0	9.970	/	Pass
		1775	50	0	9.816	/	Pass
	64QAM	1715	50	0	9.974	/	Pass
		1745	50	0	9.850	/	Pass
		1775	50	0	9.861	/	Pass
	256QAM	1715	50	0	9.922	/	Pass
		1745	50	0	10.050	/	Pass
		1775	50	0	9.870	/	Pass
15	QPSK	1717.5	75	0	14.963	/	Pass

		1745	75	0	15.083	/	Pass
		1772.5	75	0	14.982	/	Pass
		1717.5	75	0	14.943	/	Pass
	16QAM	1745	75	0	14.987	/	Pass
		1772.5	75	0	15.054	/	Pass
		1717.5	75	0	14.984	/	Pass
	64QAM	1745	75	0	14.964	/	Pass
		1772.5	75	0	15.008	/	Pass
		1717.5	75	0	14.888	/	Pass
	256QAM	1745	75	0	14.897	/	Pass
		1772.5	75	0	14.982	/	Pass
20	QPSK	1720	100	0	20.027	/	Pass
		1745	100	0	19.857	/	Pass
		1770	100	0	20.007	/	Pass
	16QAM	1720	100	0	19.975	/	Pass
		1745	100	0	19.926	/	Pass
		1770	100	0	19.868	/	Pass
	64QAM	1720	100	0	19.994	/	Pass
		1745	100	0	20.251	/	Pass
		1770	100	0	19.921	/	Pass
	256QAM	1720	100	0	19.810	/	Pass
		1745	100	0	20.027	/	Pass
		1770	100	0	19.911	/	Pass

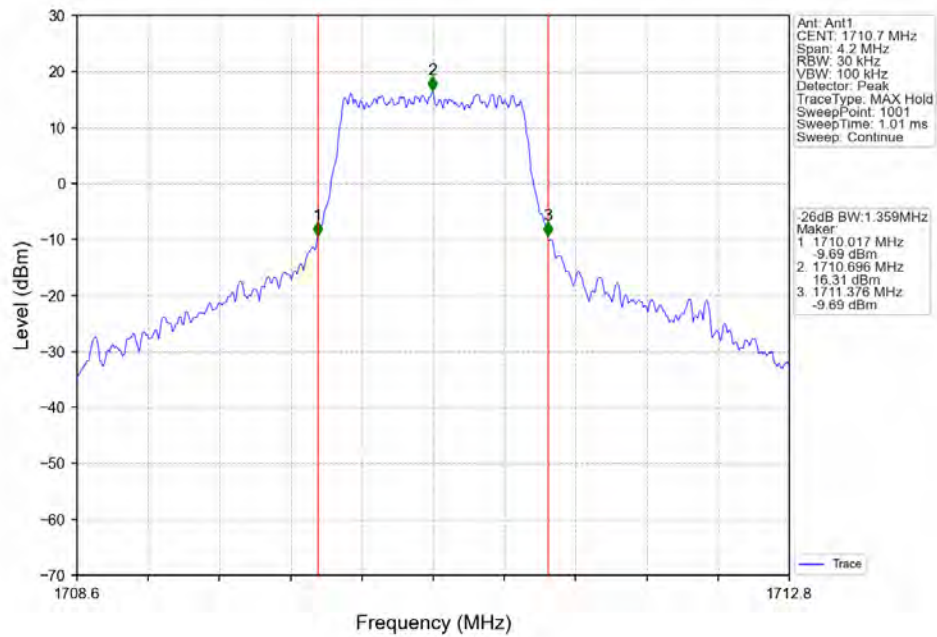
3.2.2 Test Graph



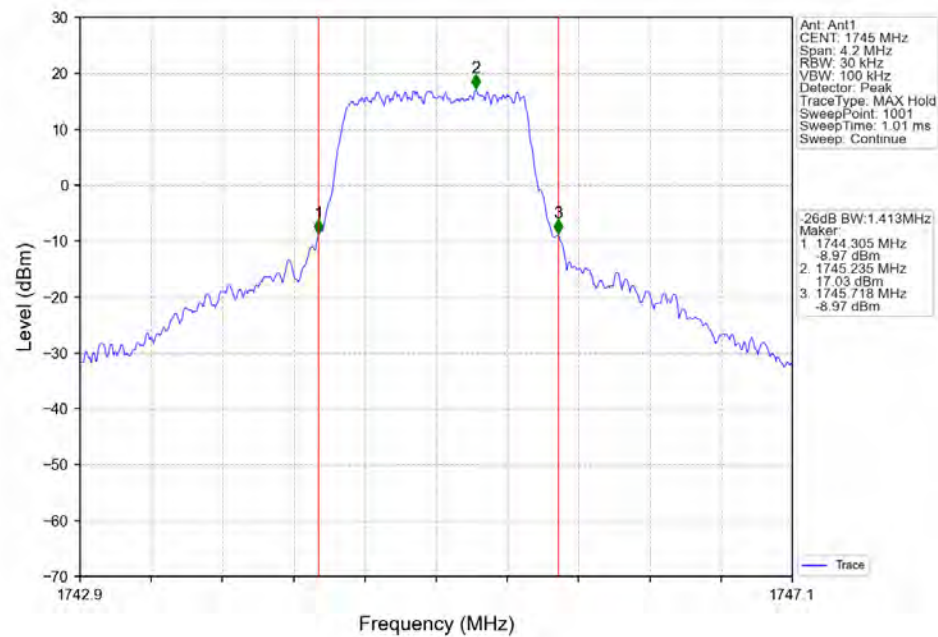
Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTN



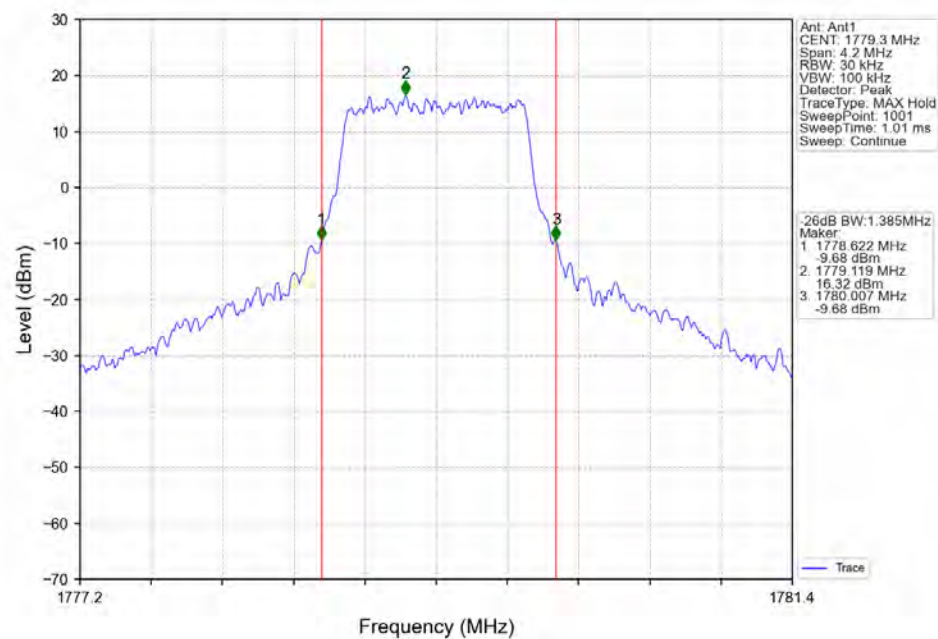
Band66 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTN



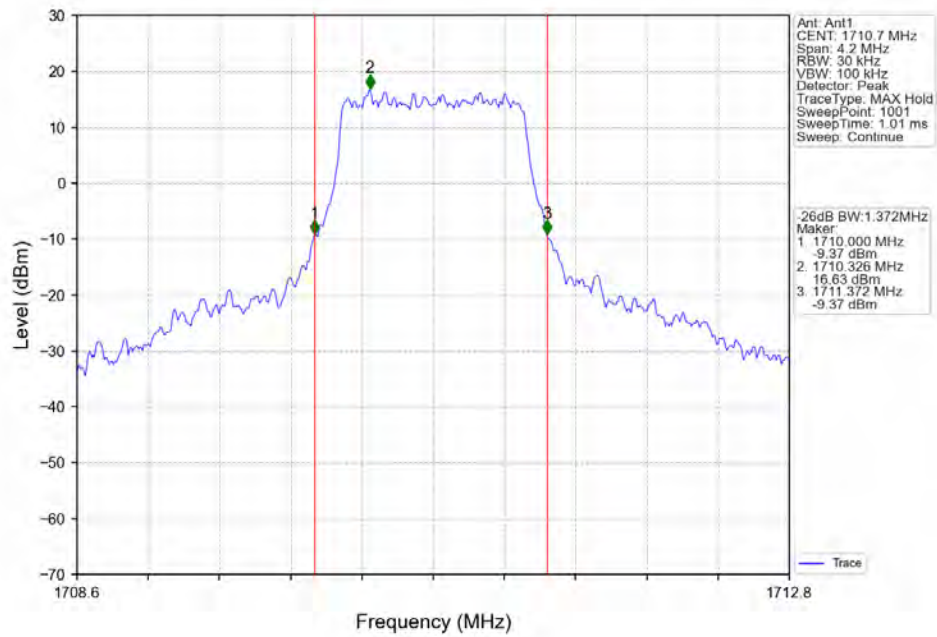
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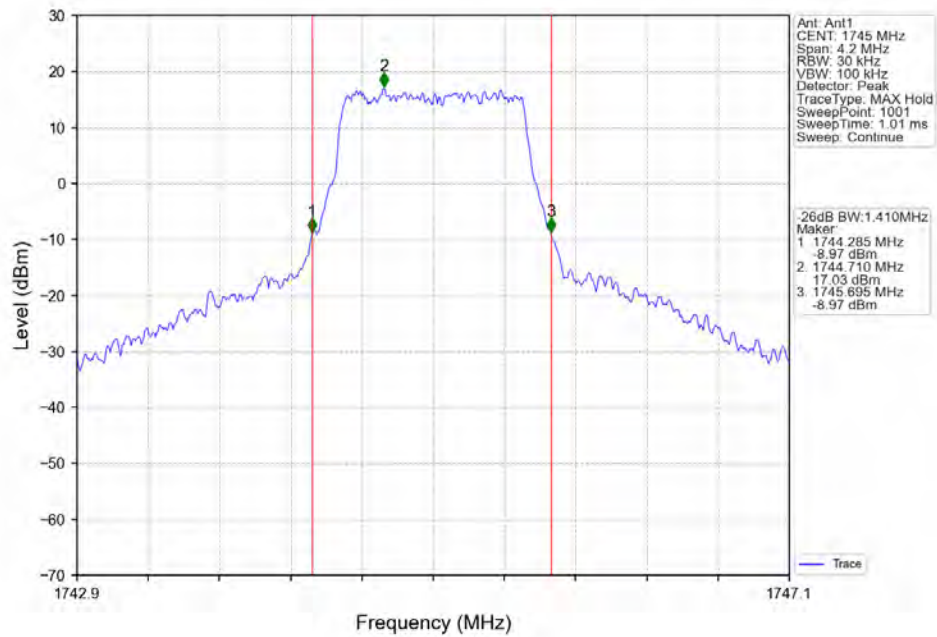
Band66 1.4MHz 16QAM HCH 1779.3MHz RB 6 0 NTNV



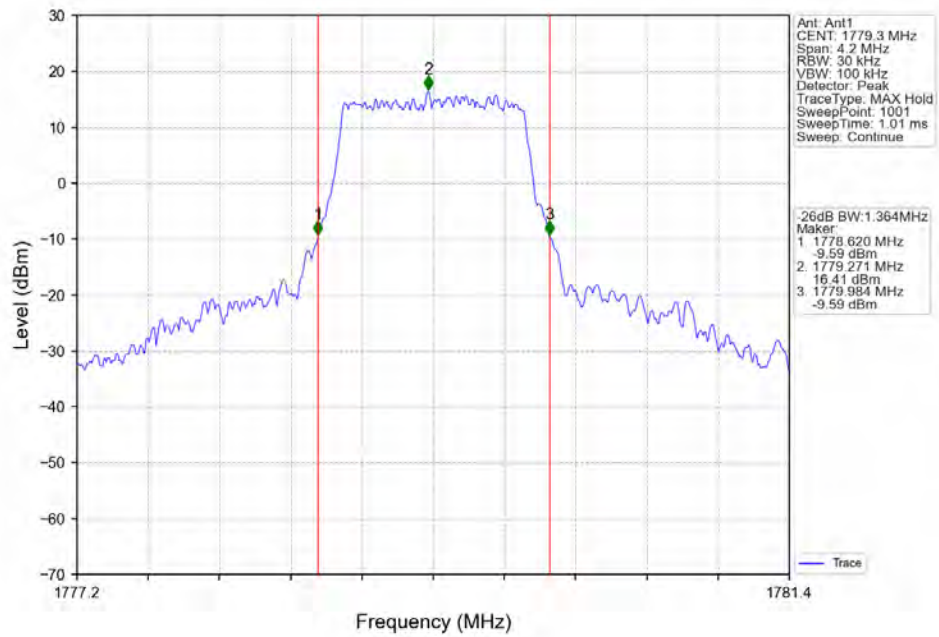
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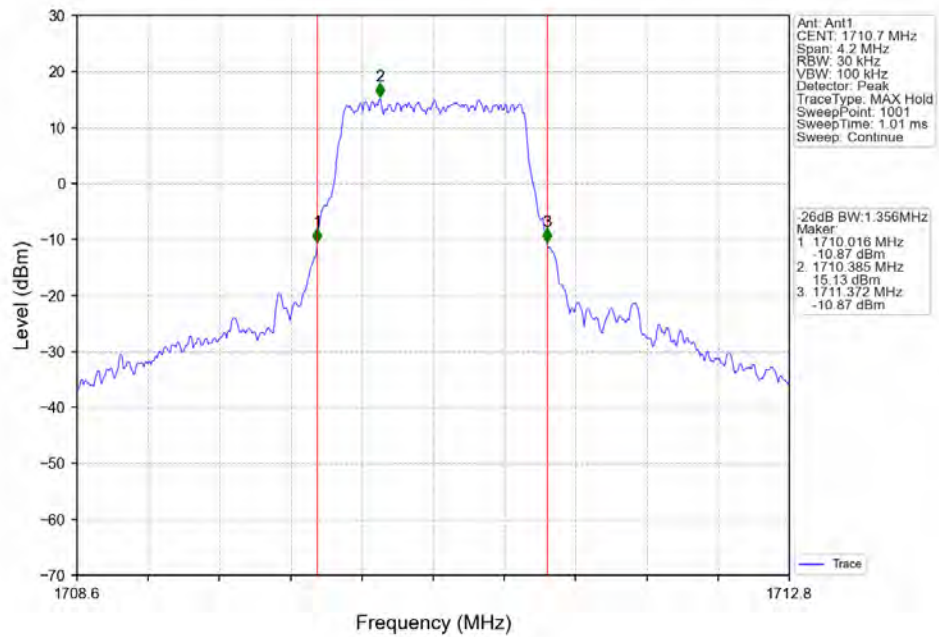
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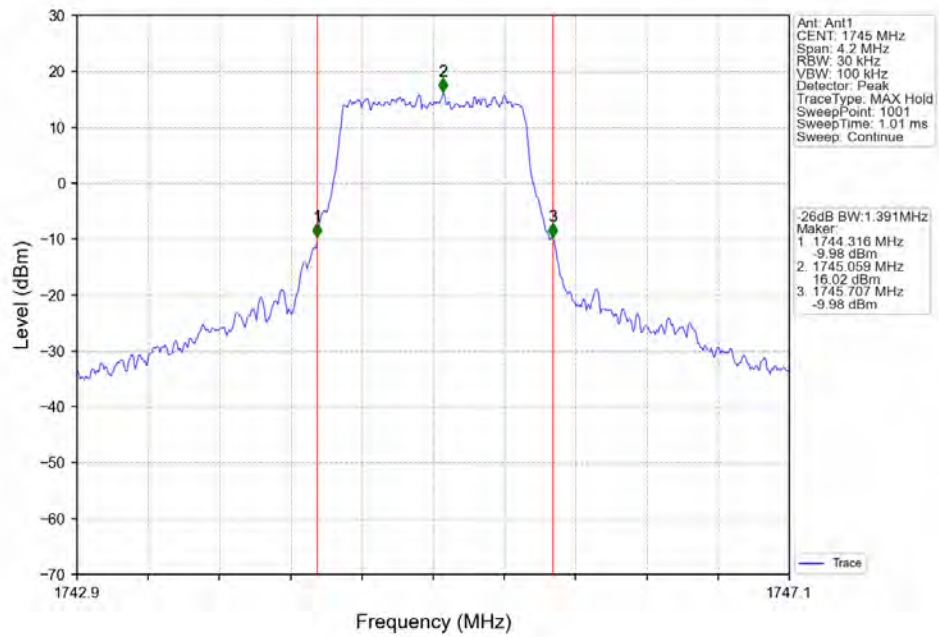
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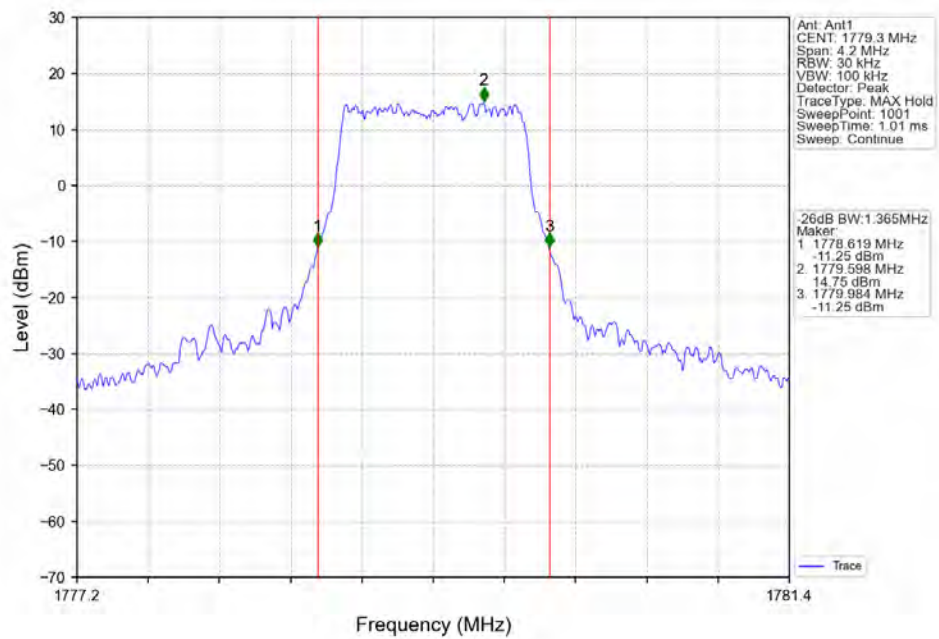
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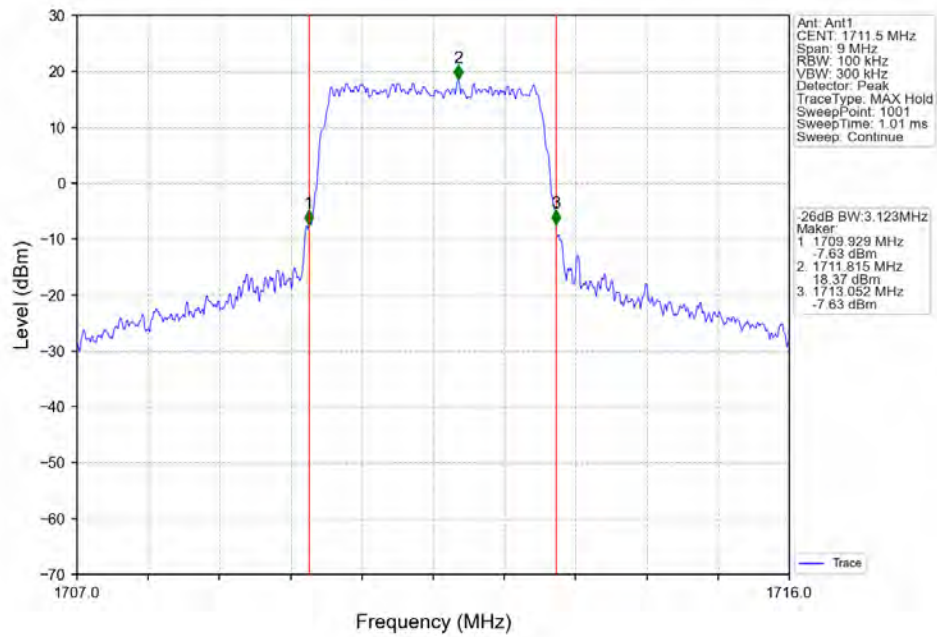
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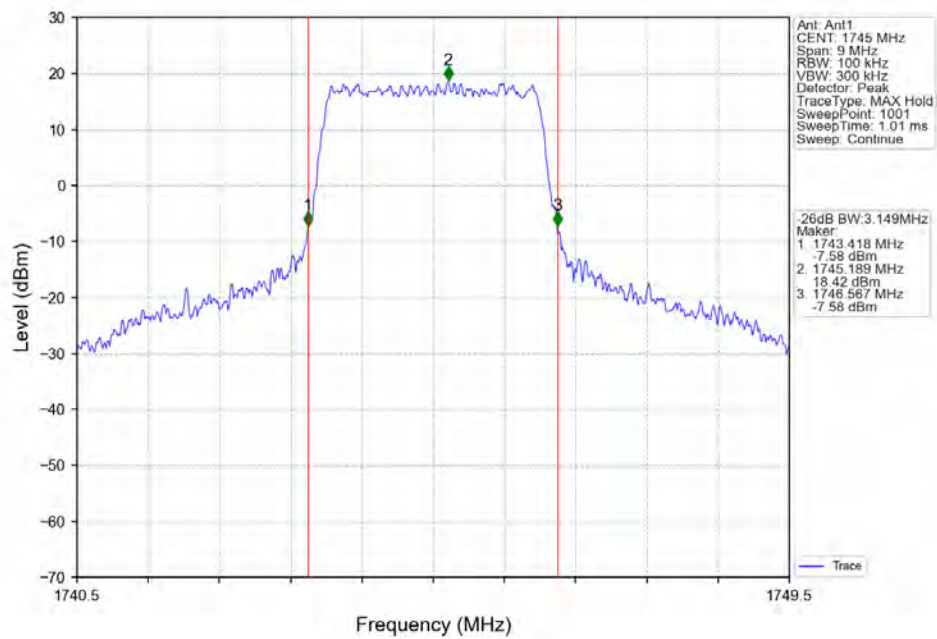
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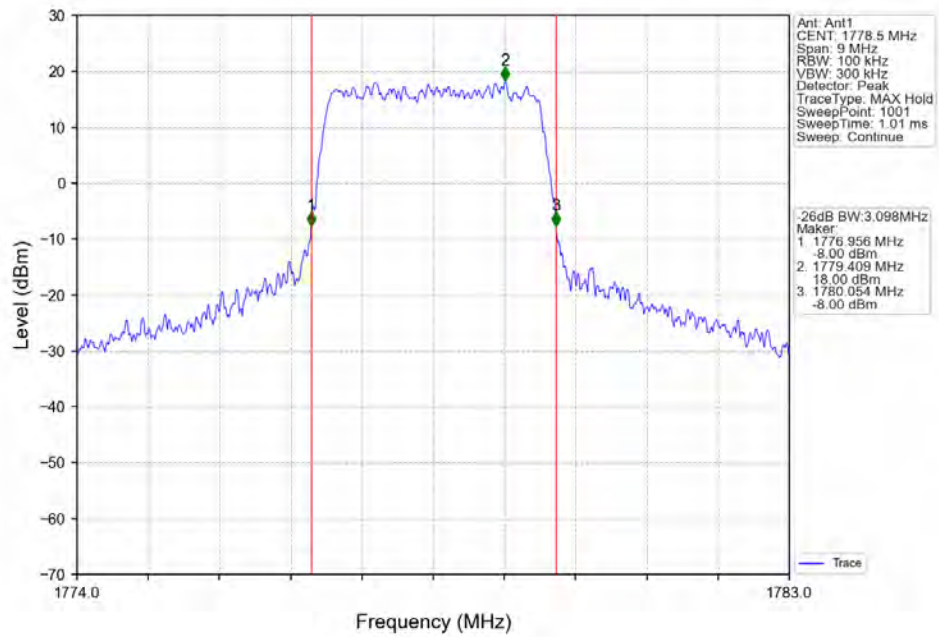
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



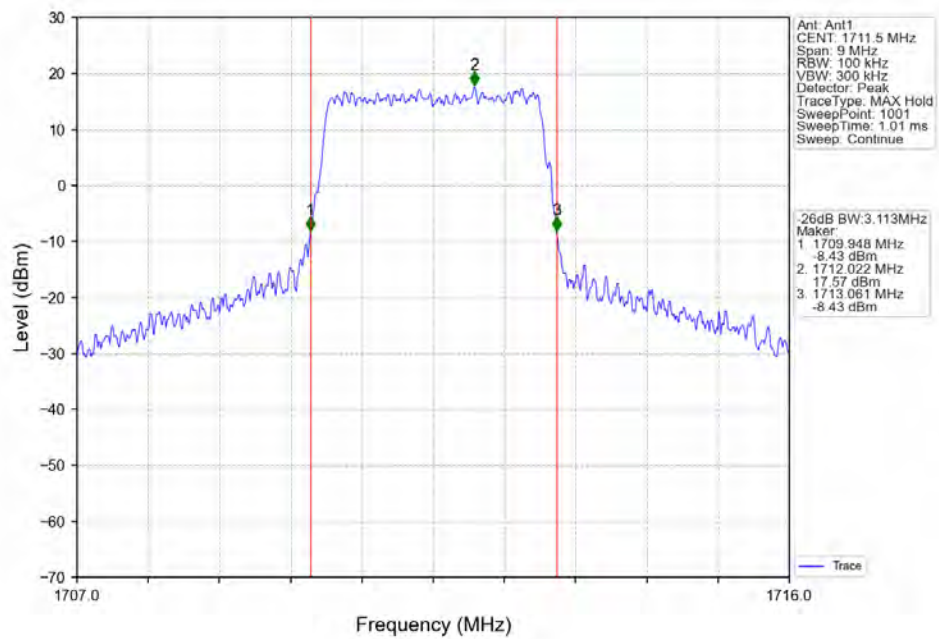
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



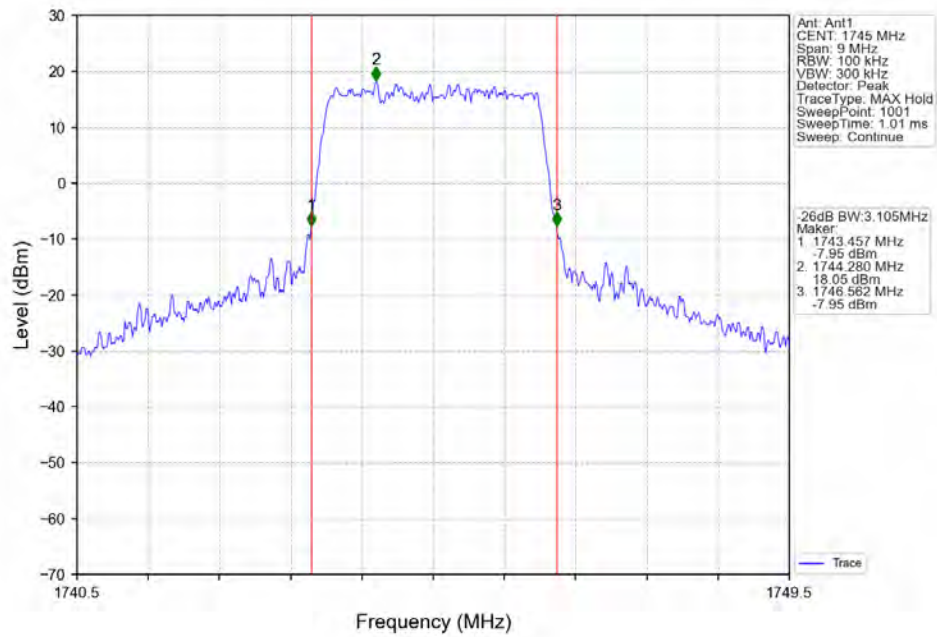
Band66 3MHz QPSK HCH 1778.5MHz RB 15 0 NTNV



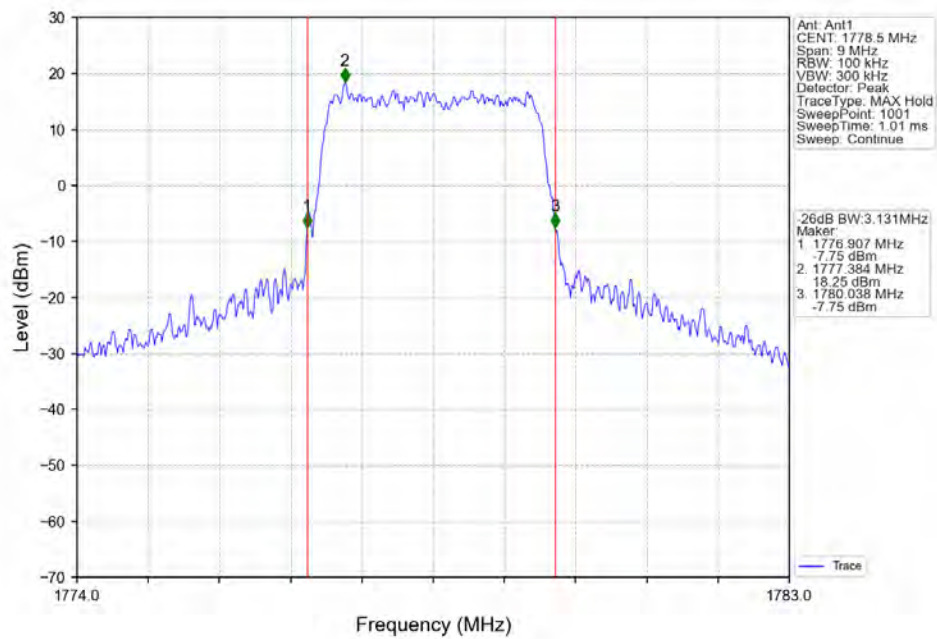
Band66 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



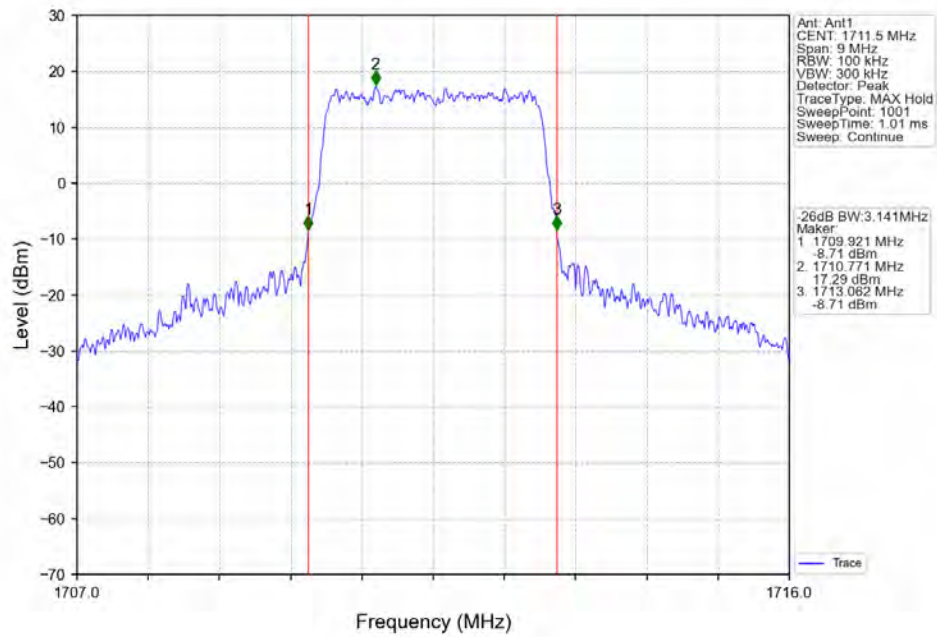
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



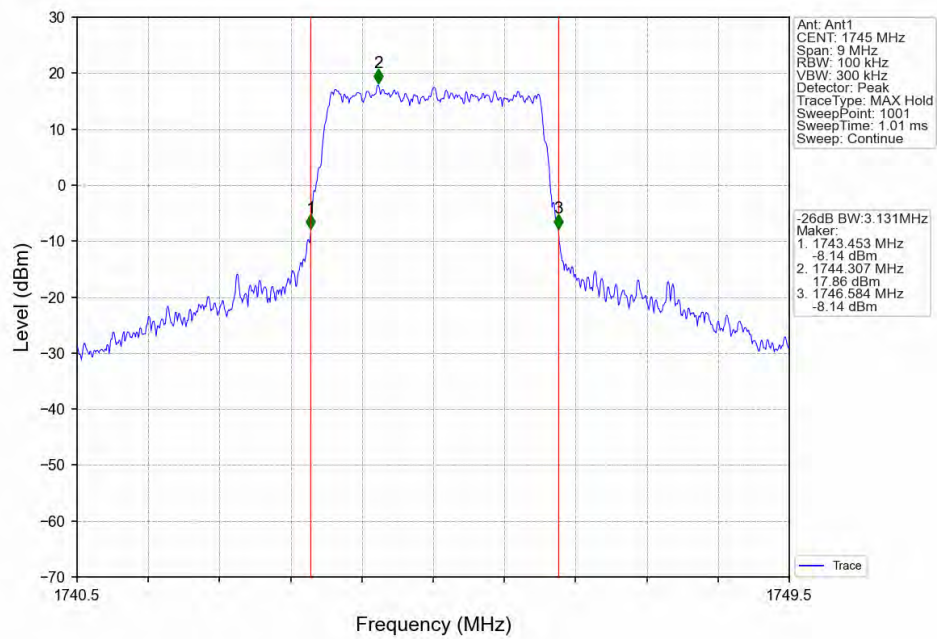
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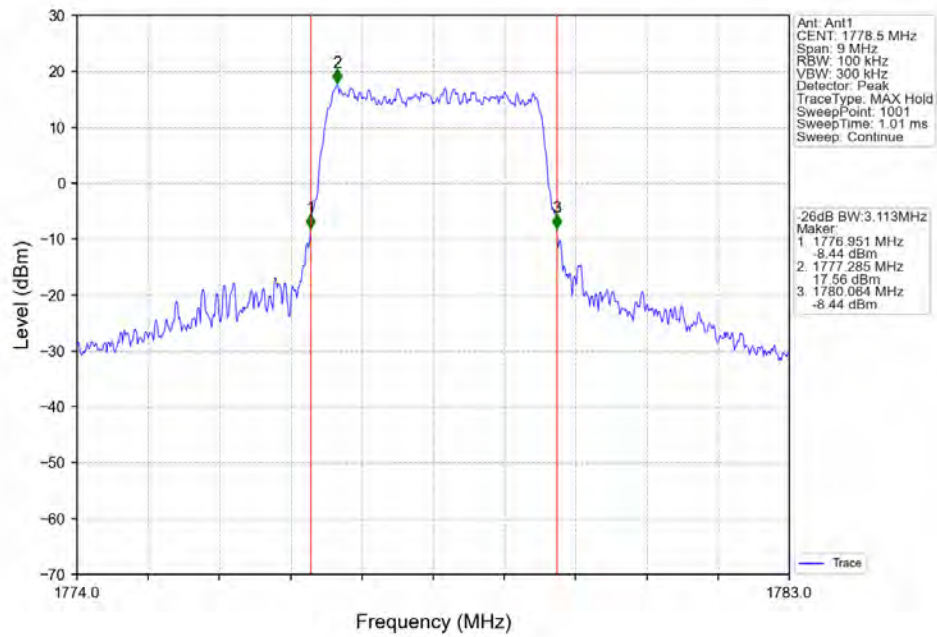
Band66 3MHz 64QAM LCH 1711.5MHz RB 15 0 NTNV



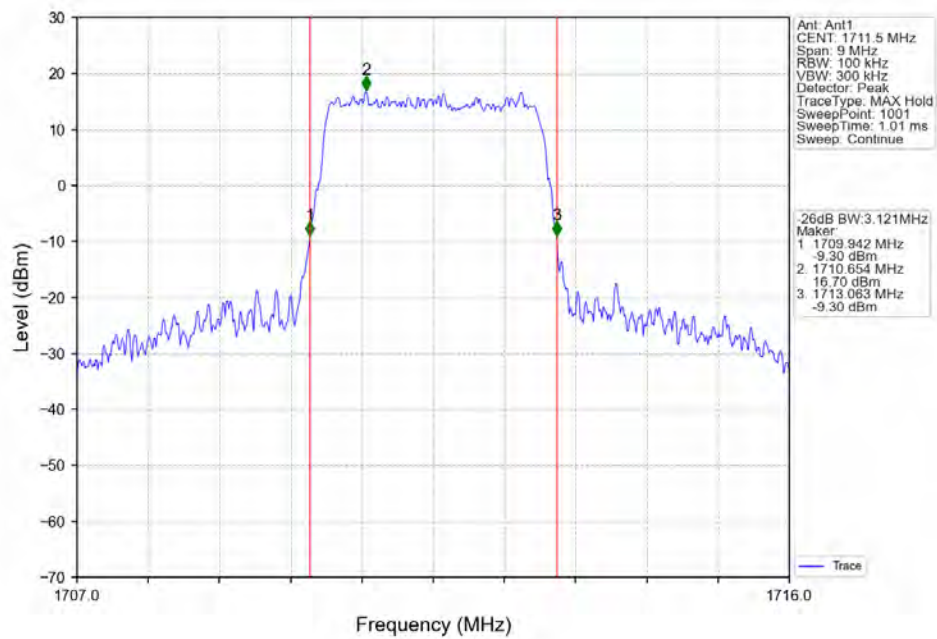
Band66_3MHz_64QAM_MCH_1745MHz_RB_15_0_NTNV



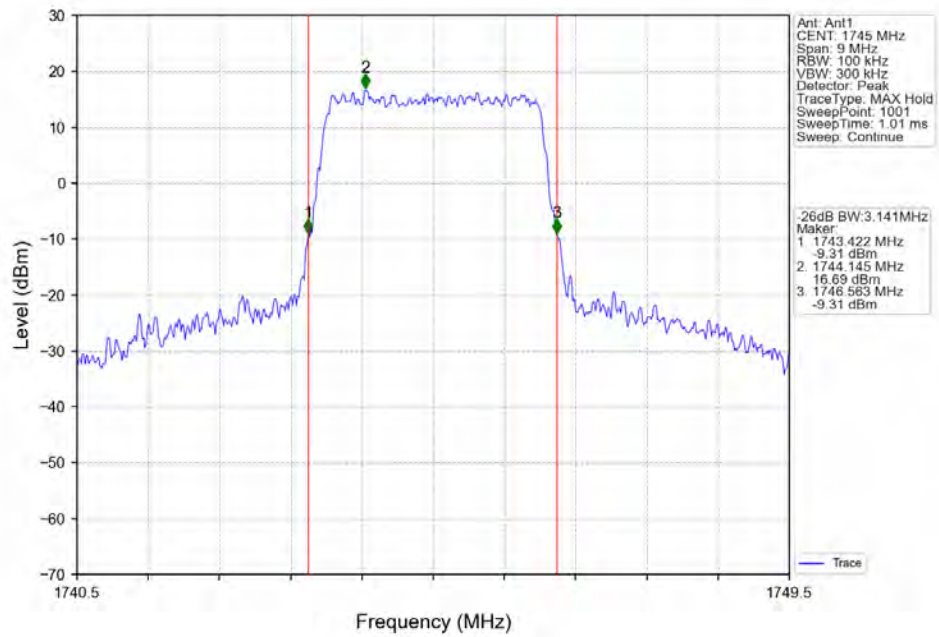
Band66 3MHz 64QAM HCH 1778.5MHz RB 15 0 NTN



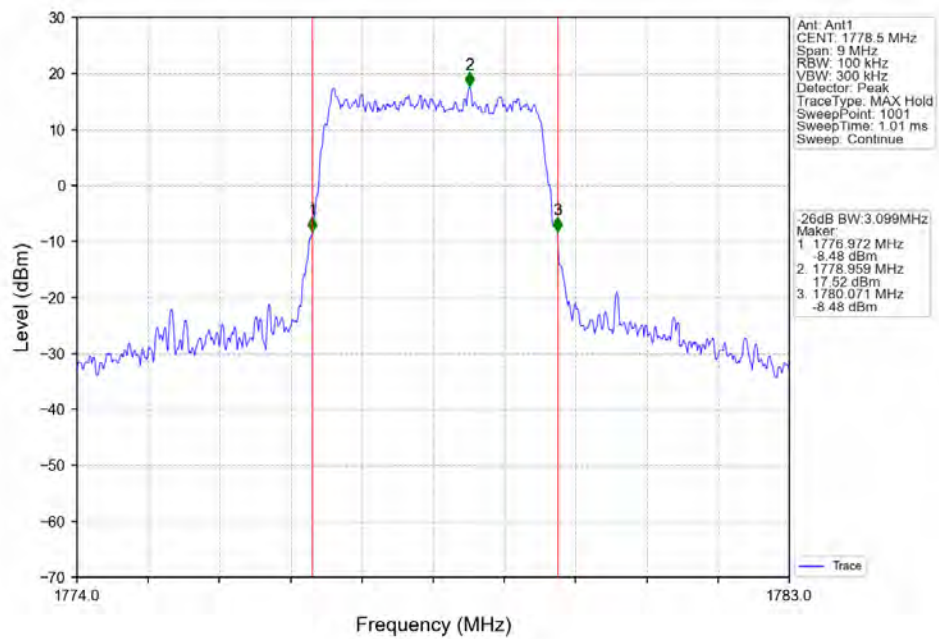
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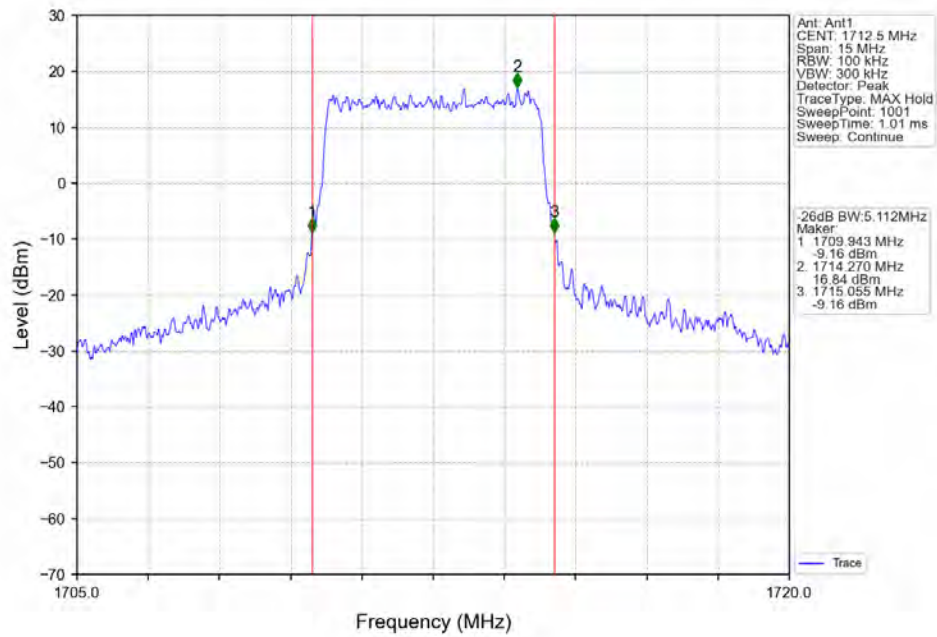
Band66 3MHz 256QAM MCH 1745MHz RB 15 0 NTN



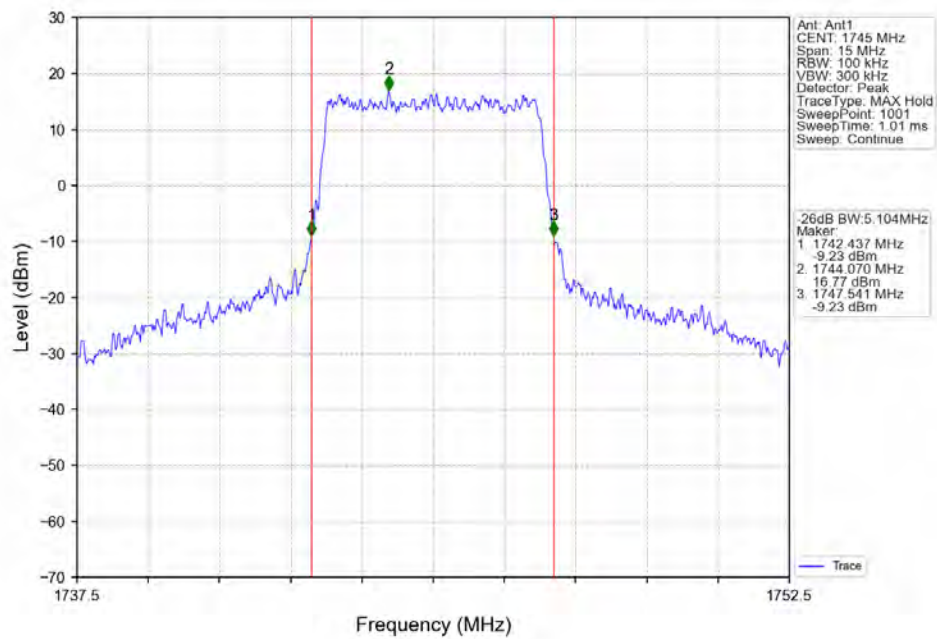
Band66_3MHz_256QAM_HCH_1778.5MHz_RB_15_0 NTN



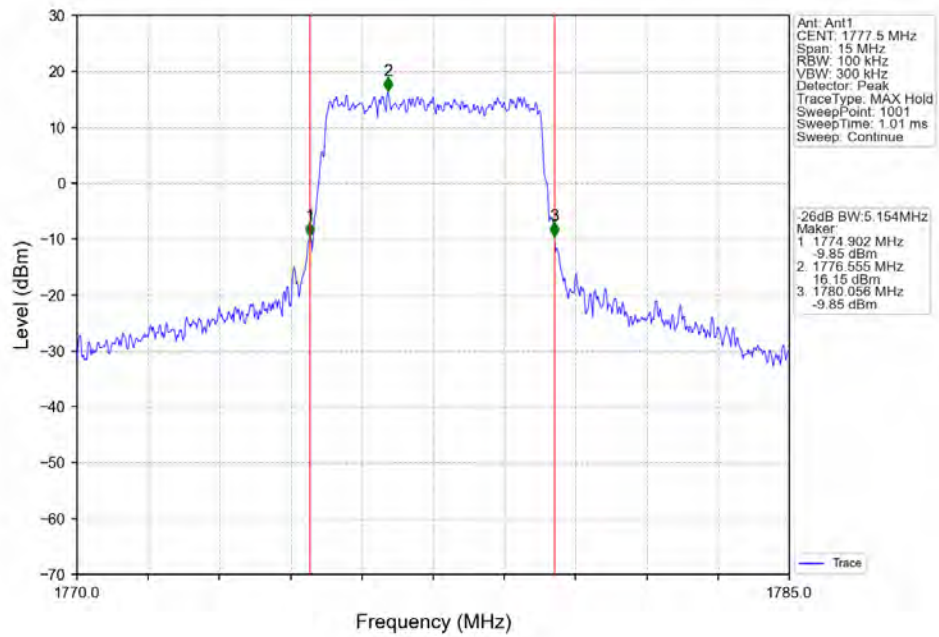
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



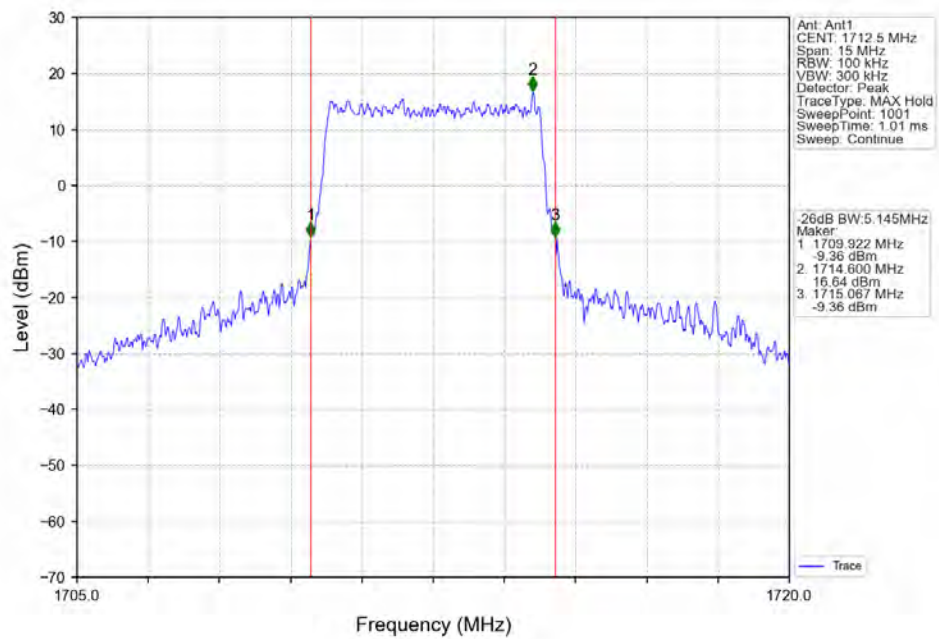
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



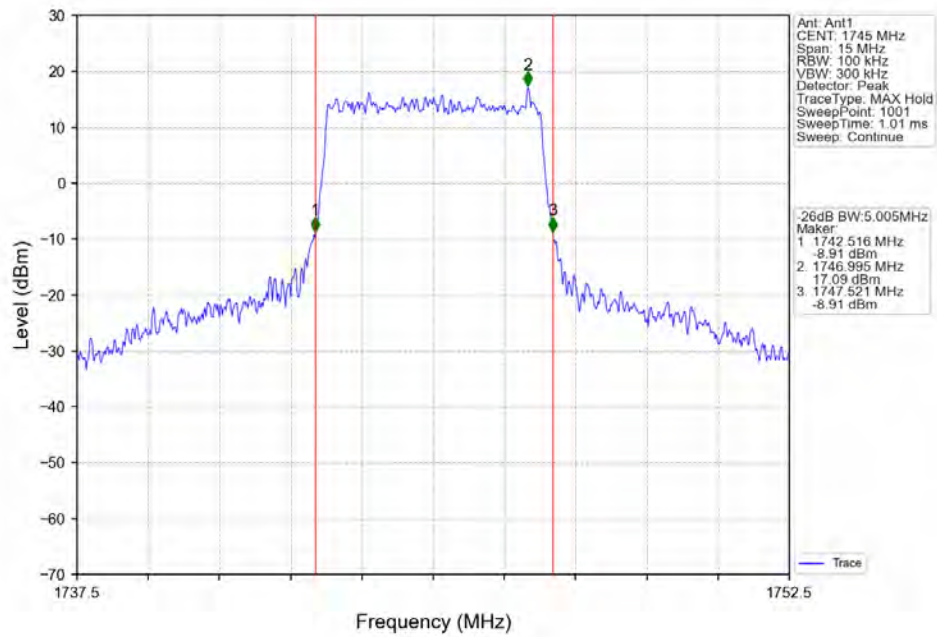
Band66 5MHz QPSK HCH 1777.5MHz RB 25 0 NTNV



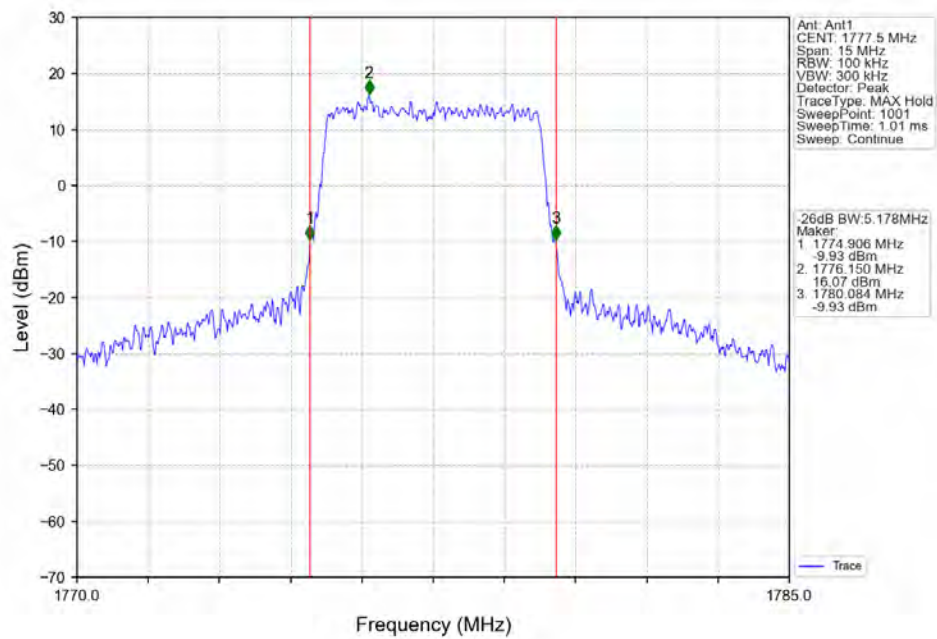
Band66 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



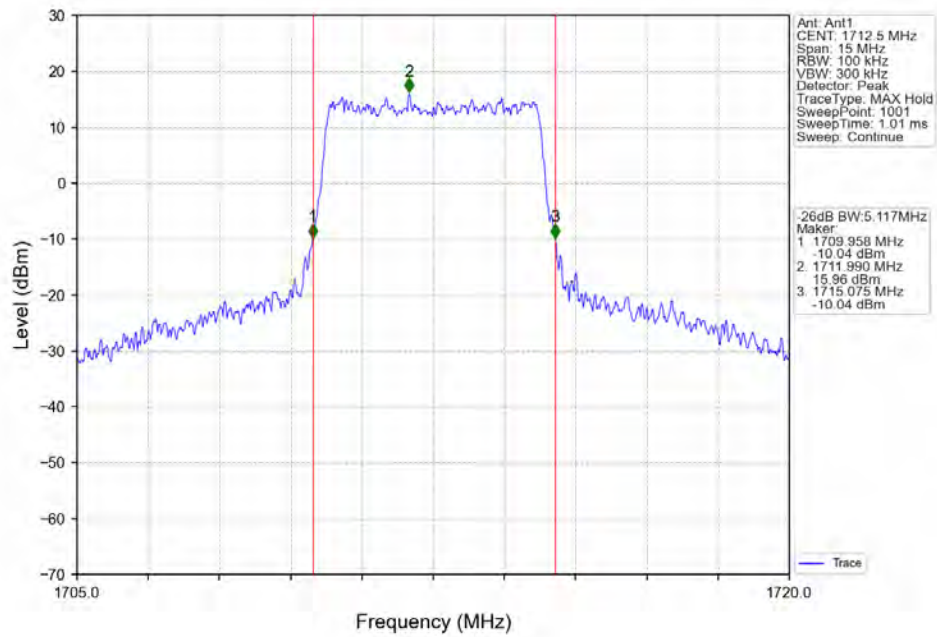
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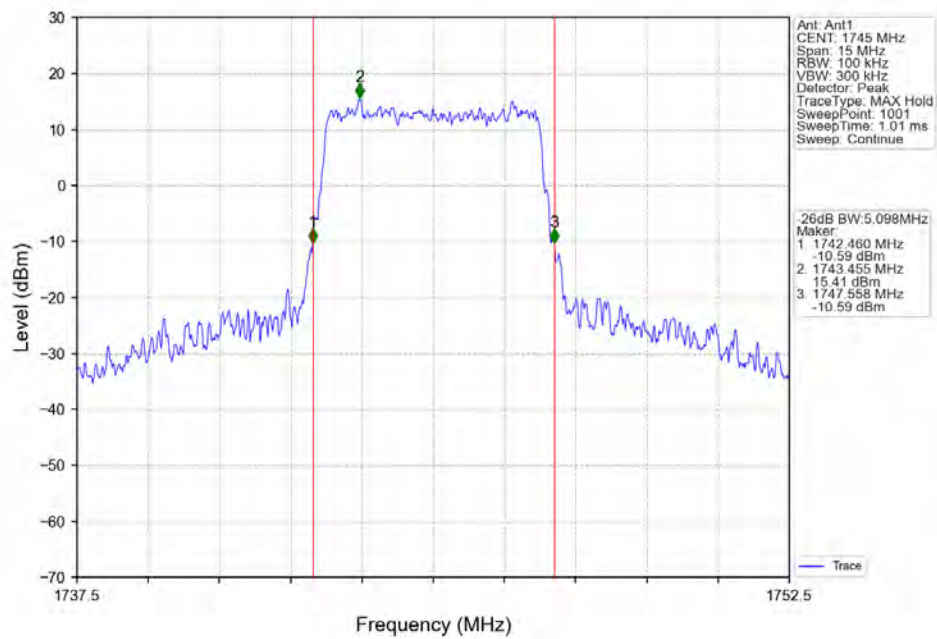
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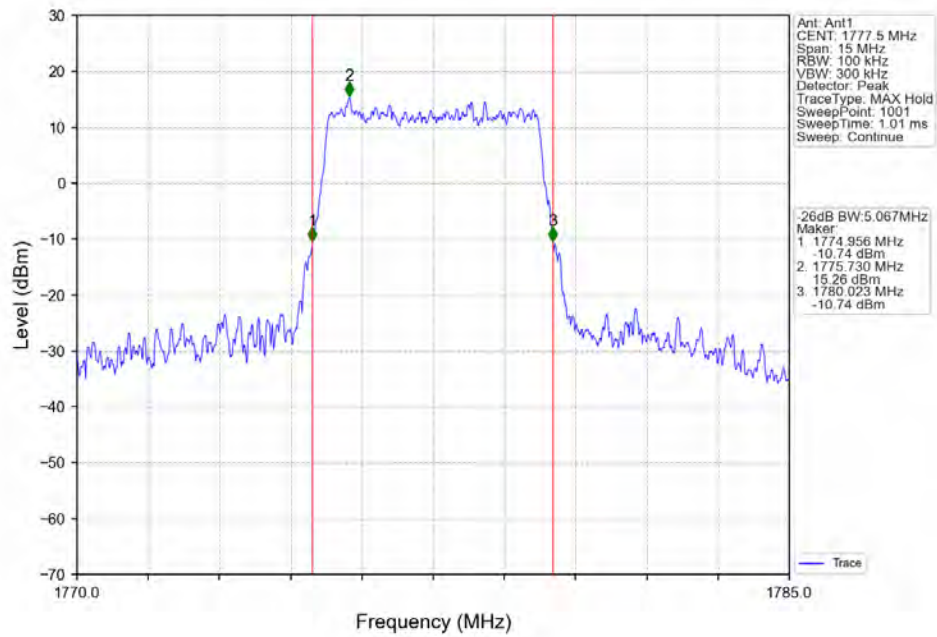
Band66 5MHz 64QAM LCH 1712.5MHz RB 25 0 NTN



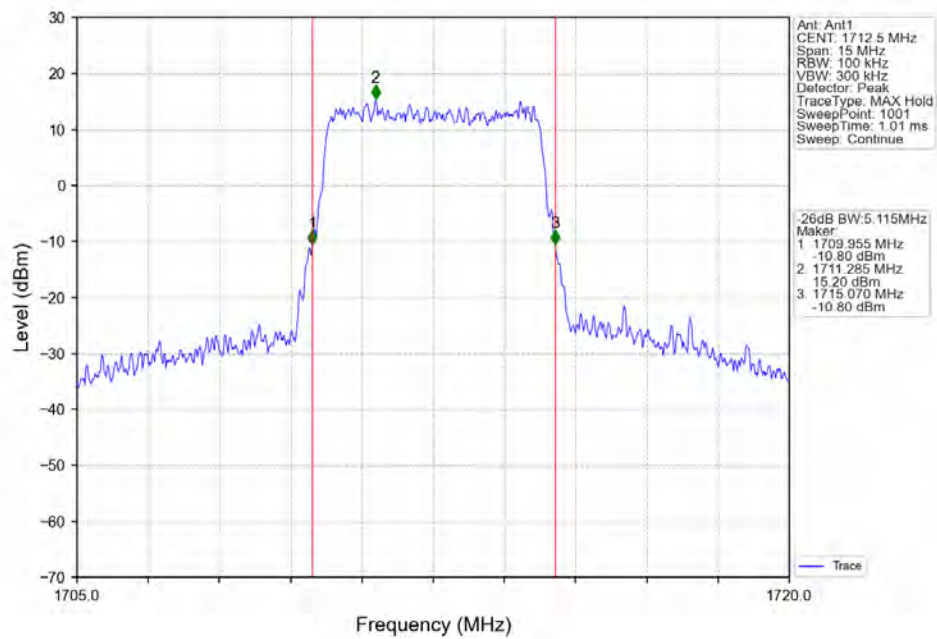
Band66_5MHz_64QAM_MCH_1745MHz_RB_25_0 NTN



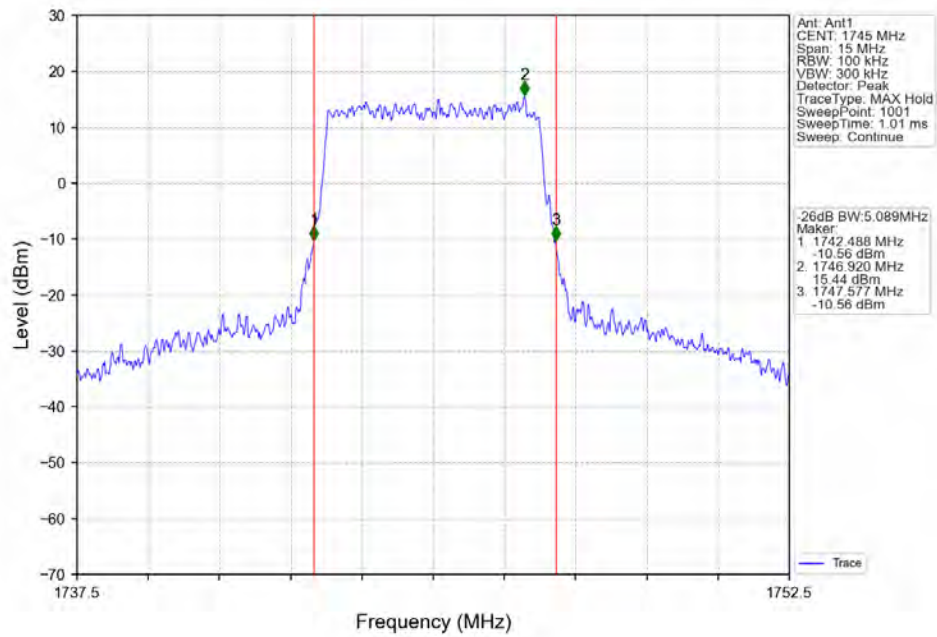
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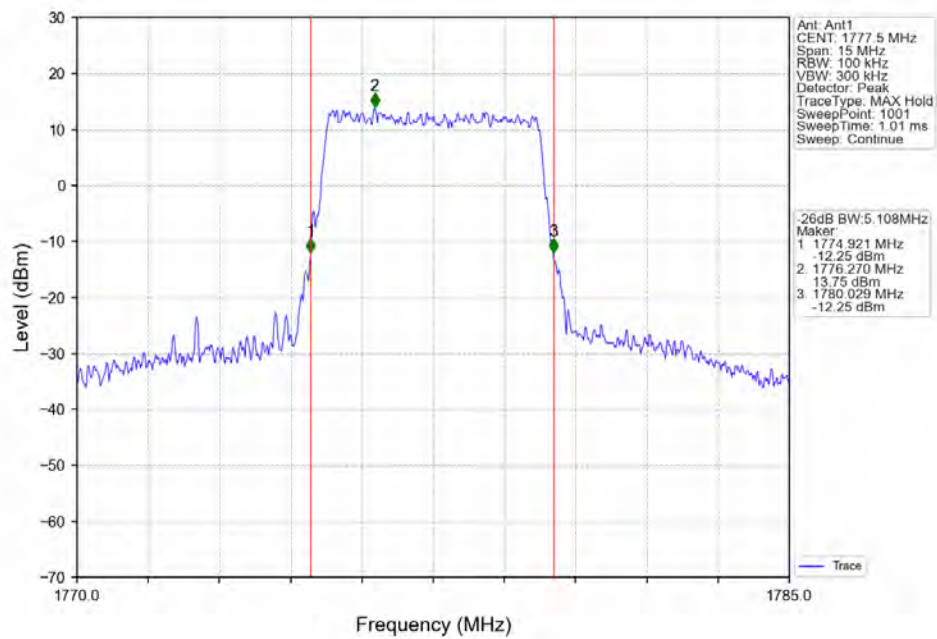
Band66 5MHz 256QAM LCH 1712.5MHz RB 25 0 NTN



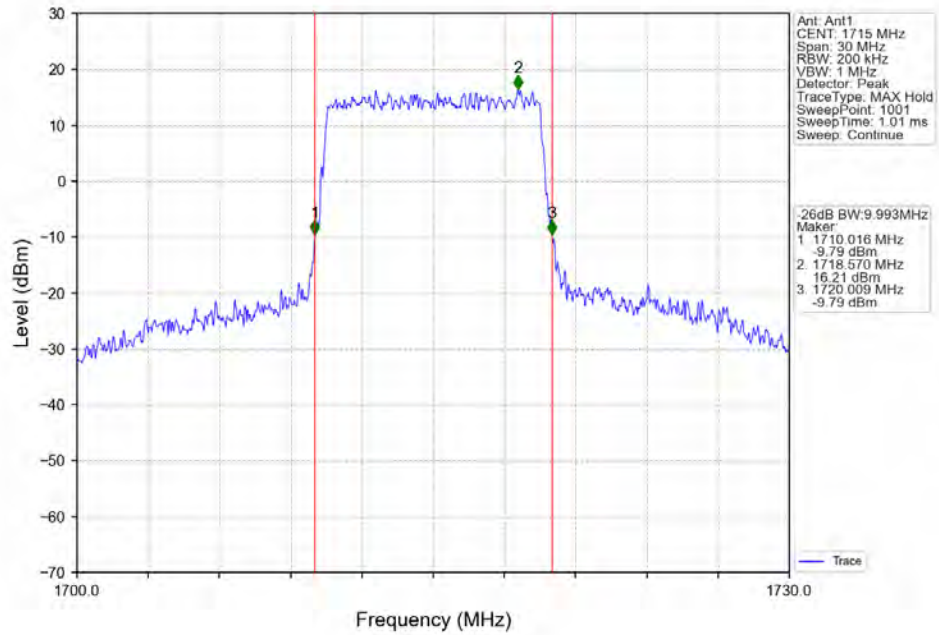
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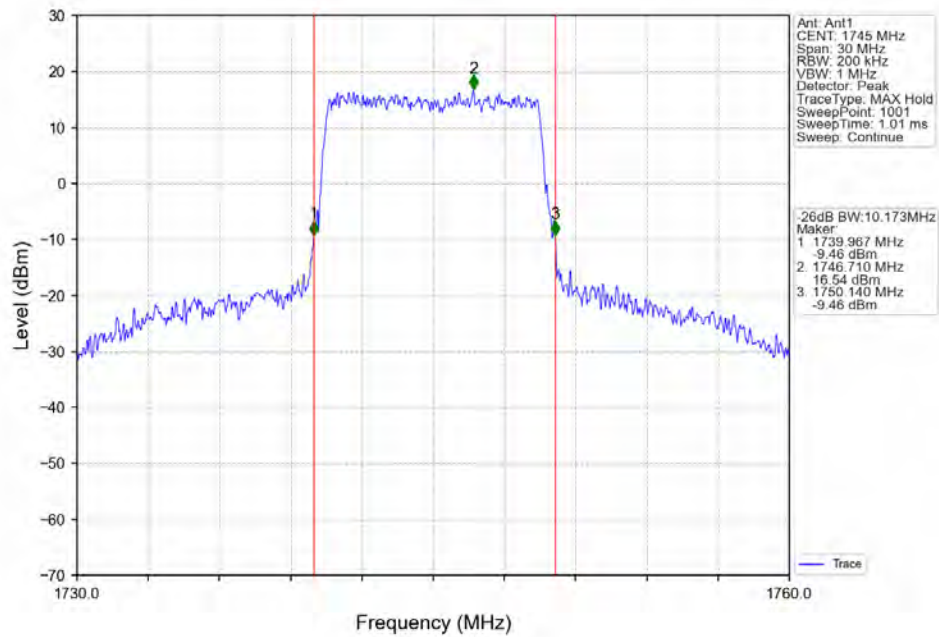
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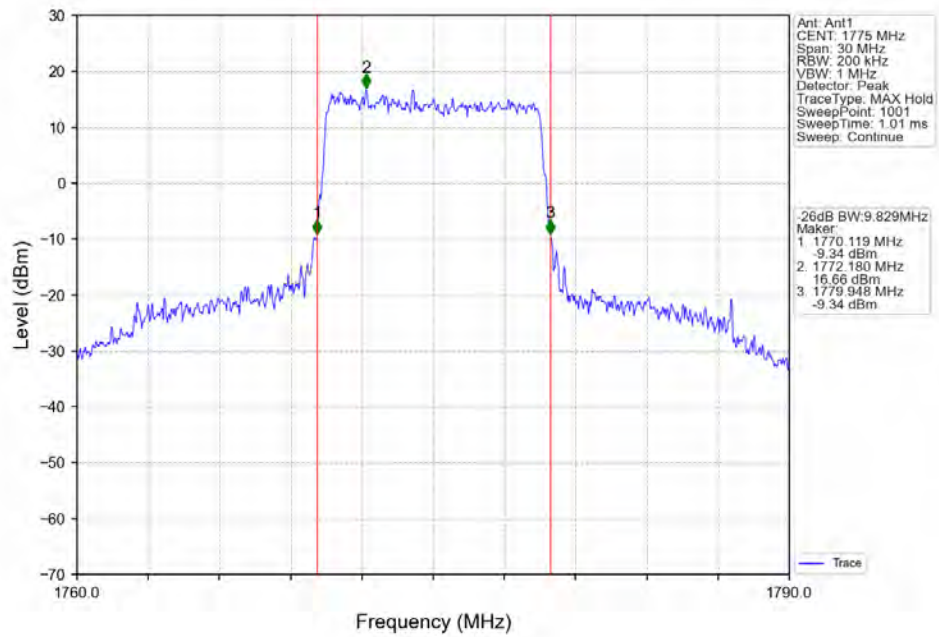
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



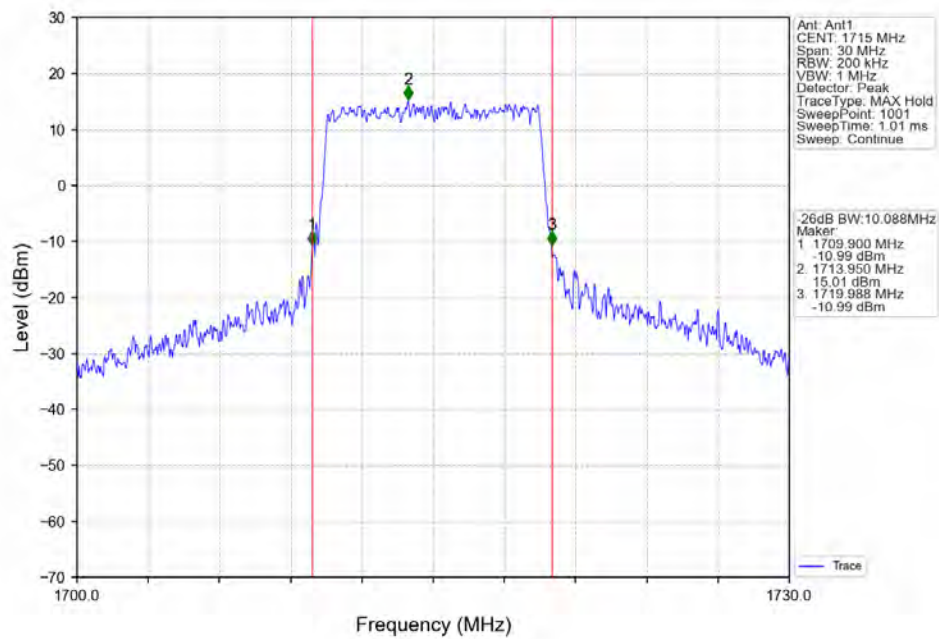
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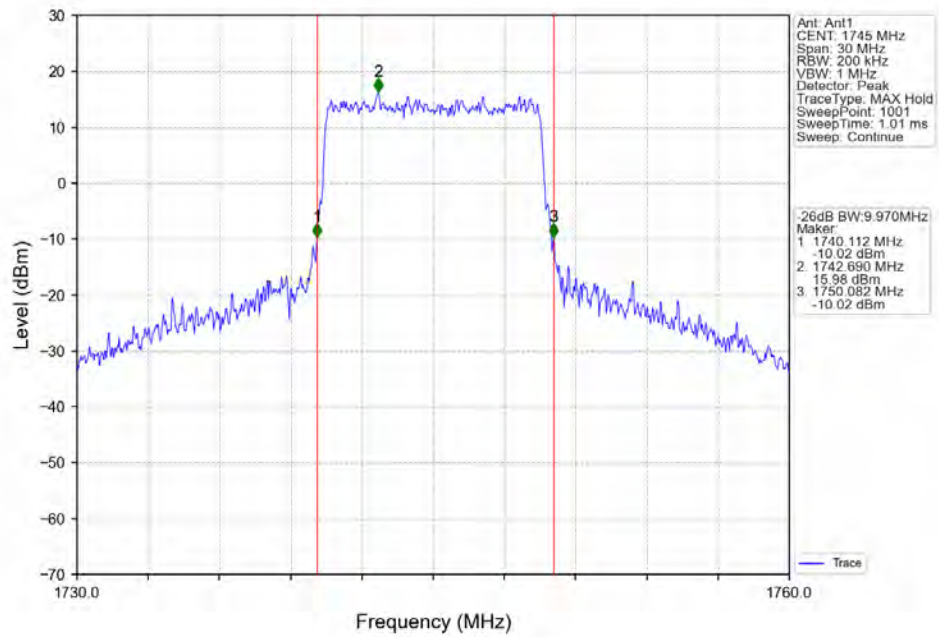
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



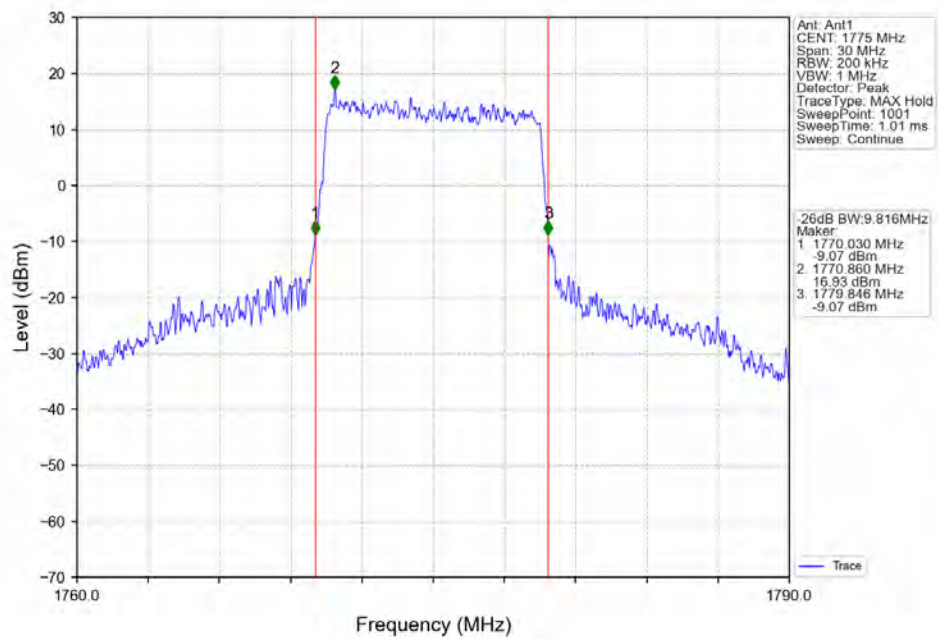
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



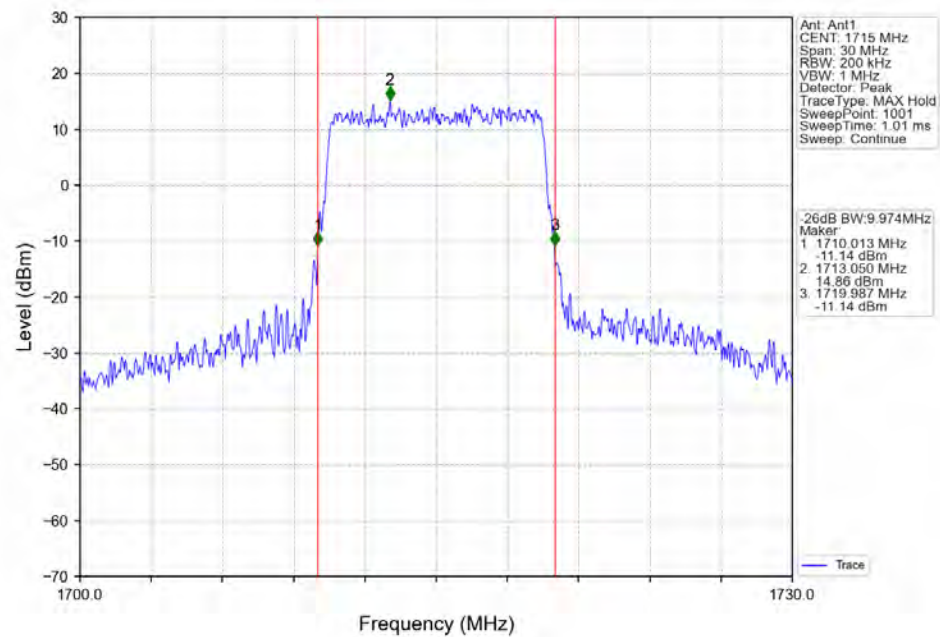
Band66 10MHz 16QAM MCH 1745MHz RB 50 0 NTNV



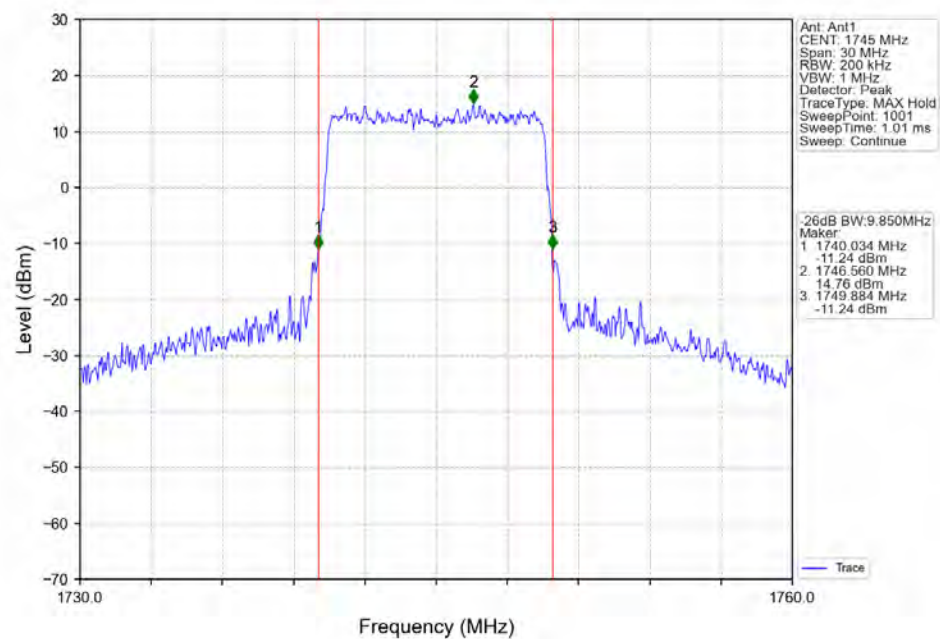
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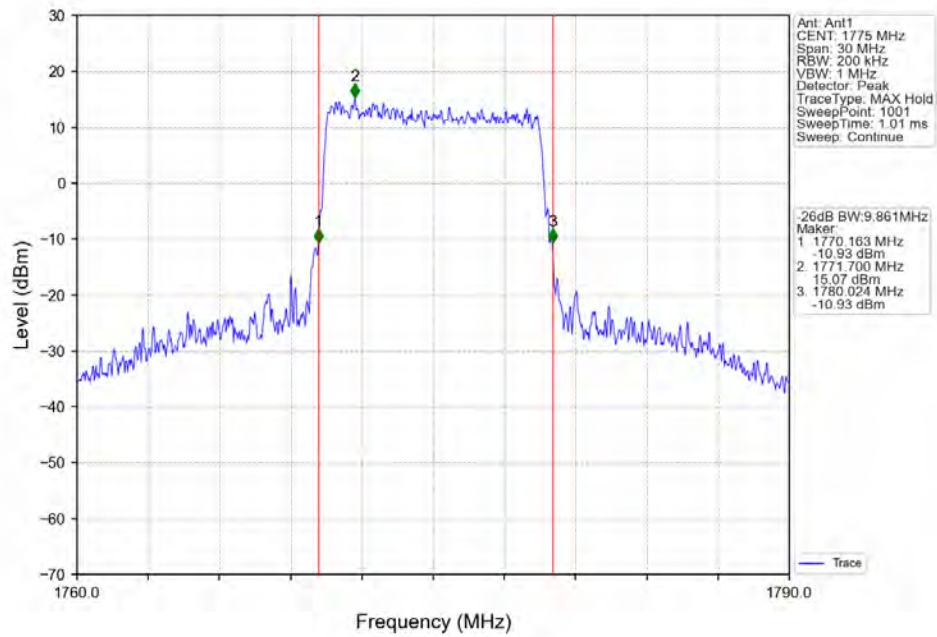
Band66 10MHz 64QAM LCH 1715MHz RB 50 0 NTNV



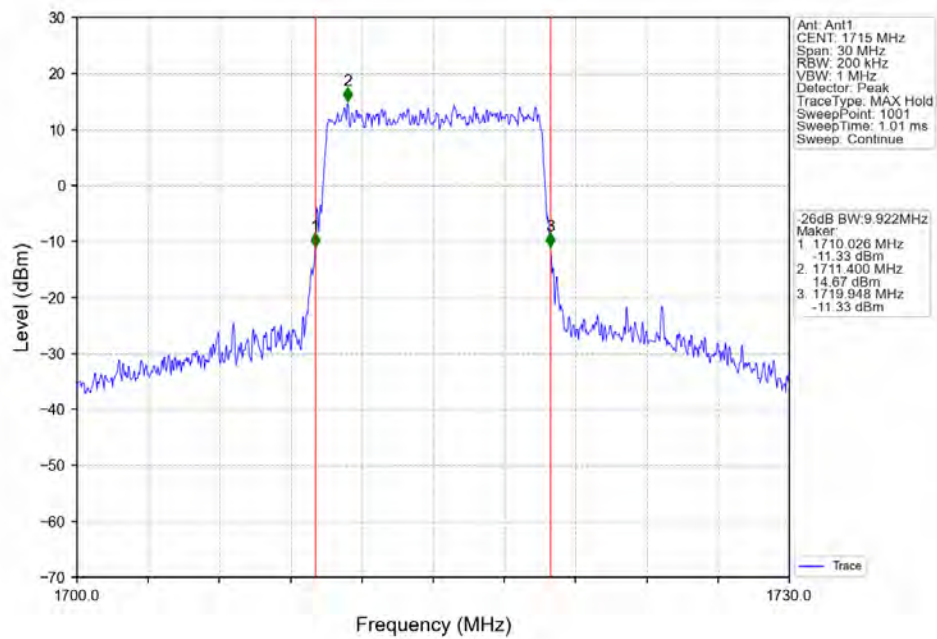
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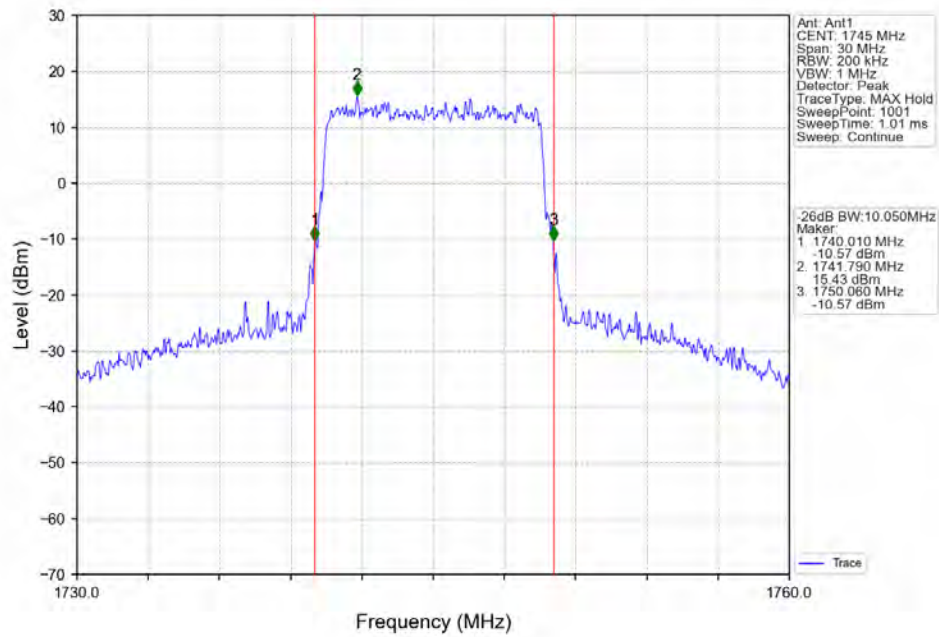
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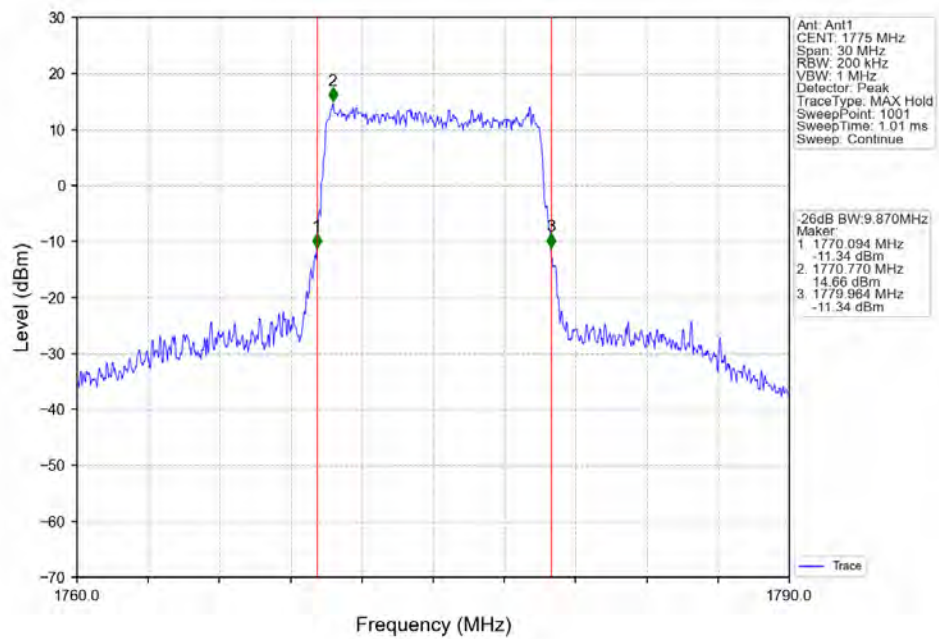
Band66 10MHz 256QAM LCH 1715MHz RB 50 0 NTN



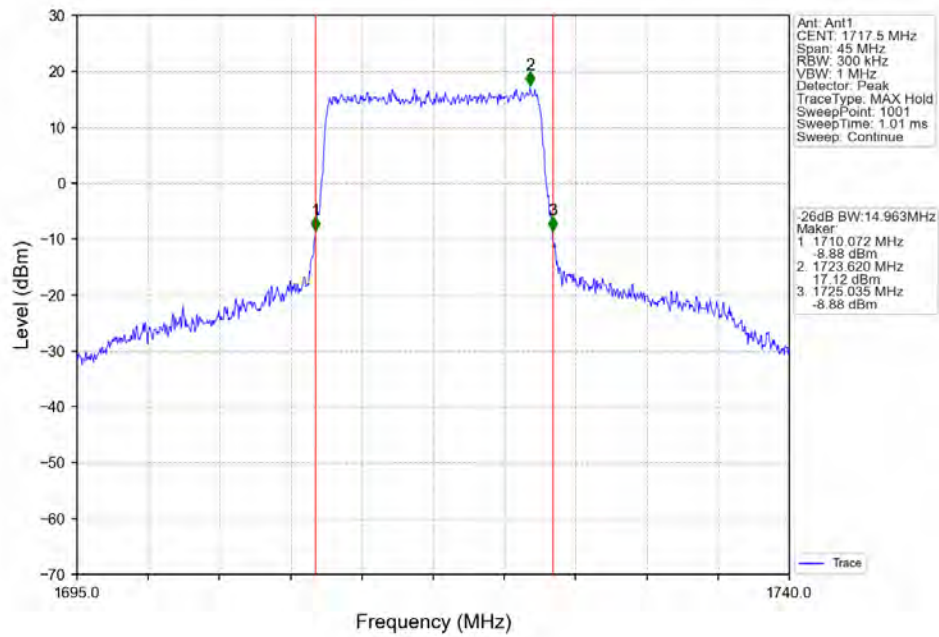
Band66_10MHz_256QAM_MCH_1745MHz_RB_50_0_NTNV



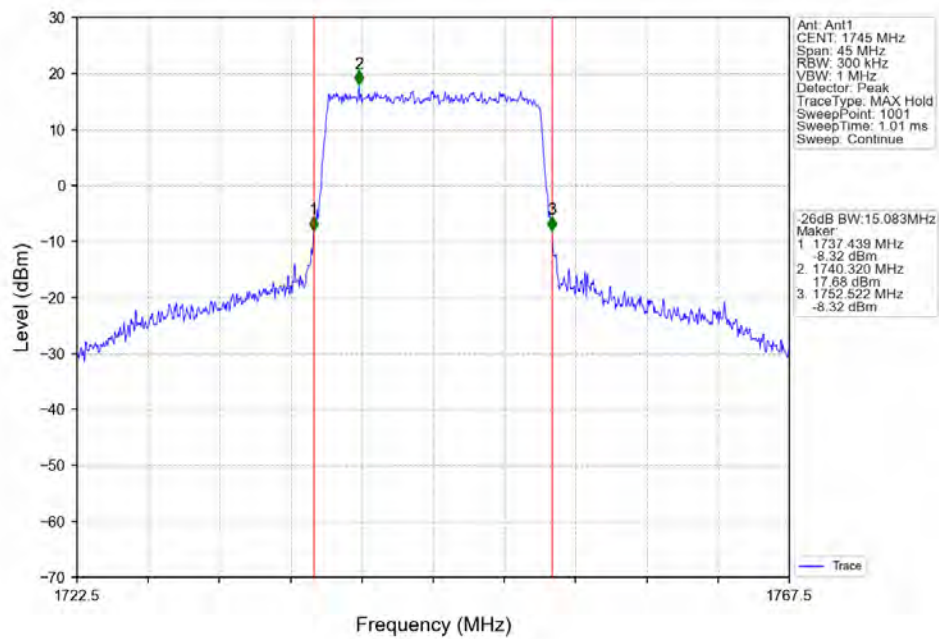
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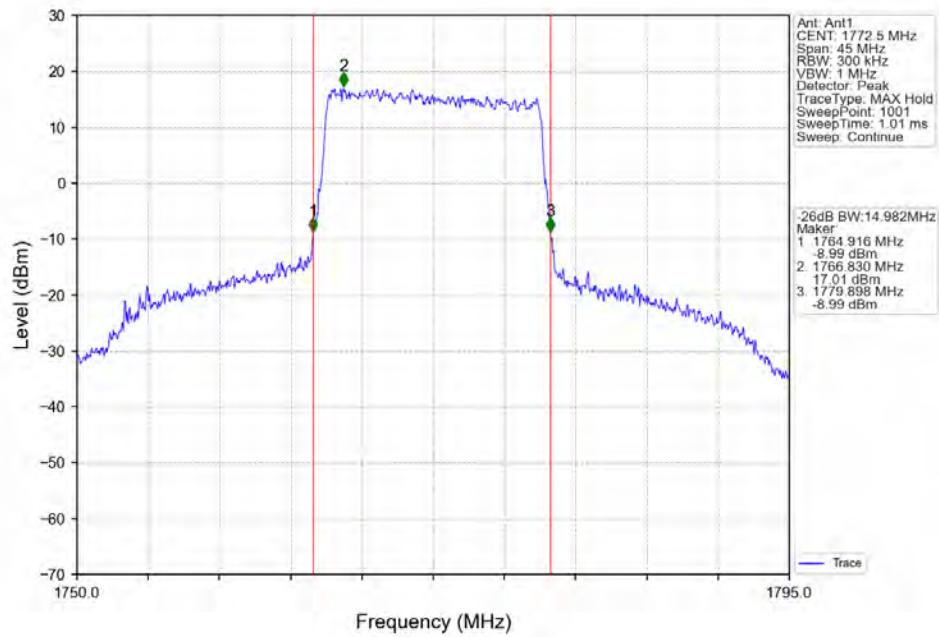
Band66 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



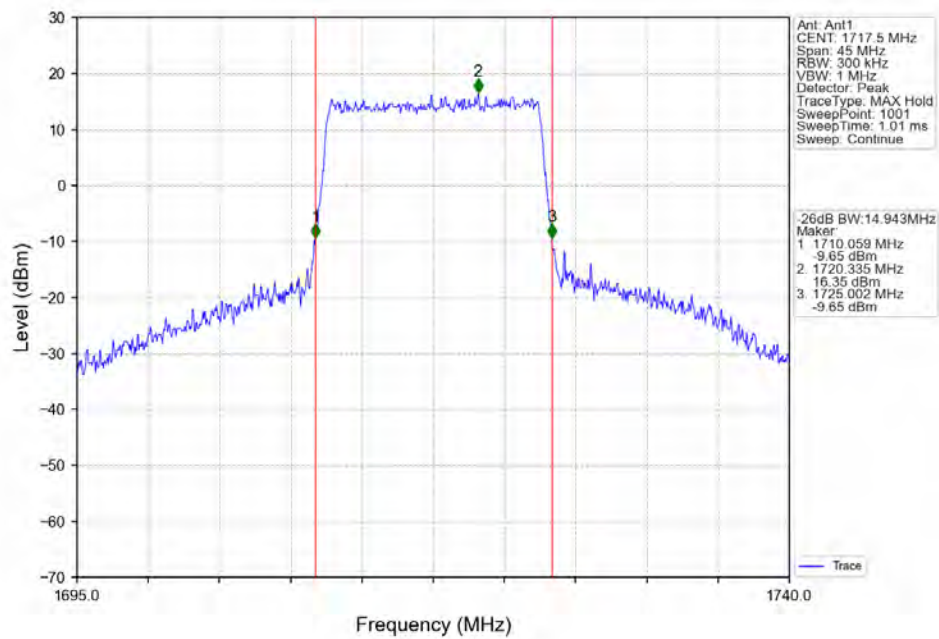
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



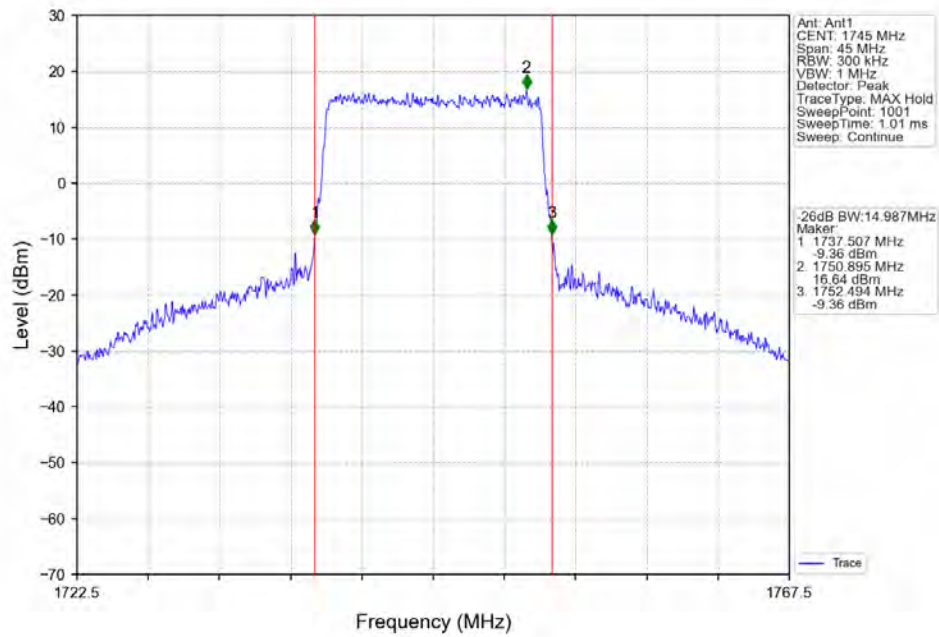
Band66 15MHz QPSK HCH 1772.5MHz RB 75 0 NTN



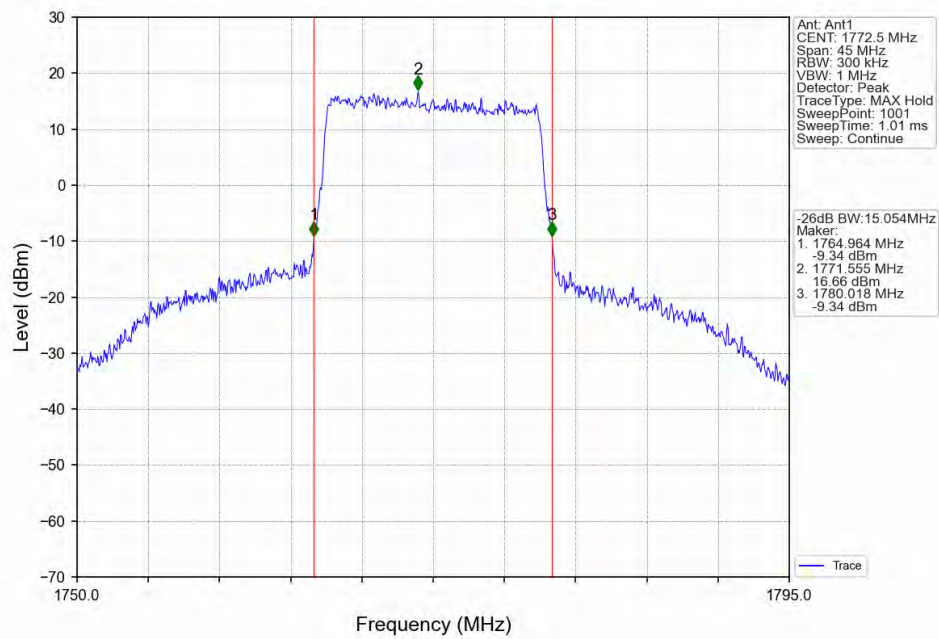
Band66 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTN



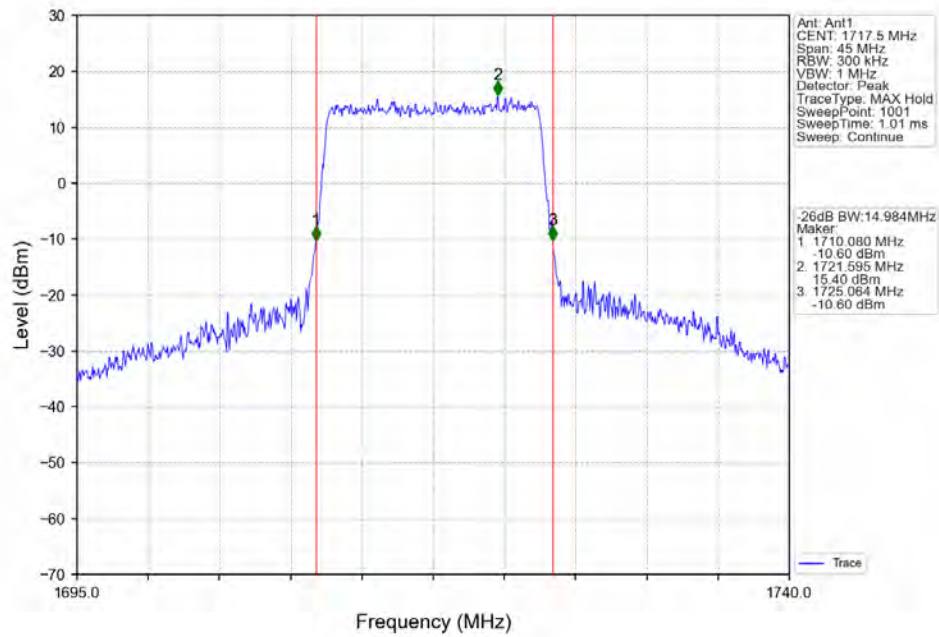
Band66 15MHz 16QAM MCH 1745MHz RB 75 0 NTNV



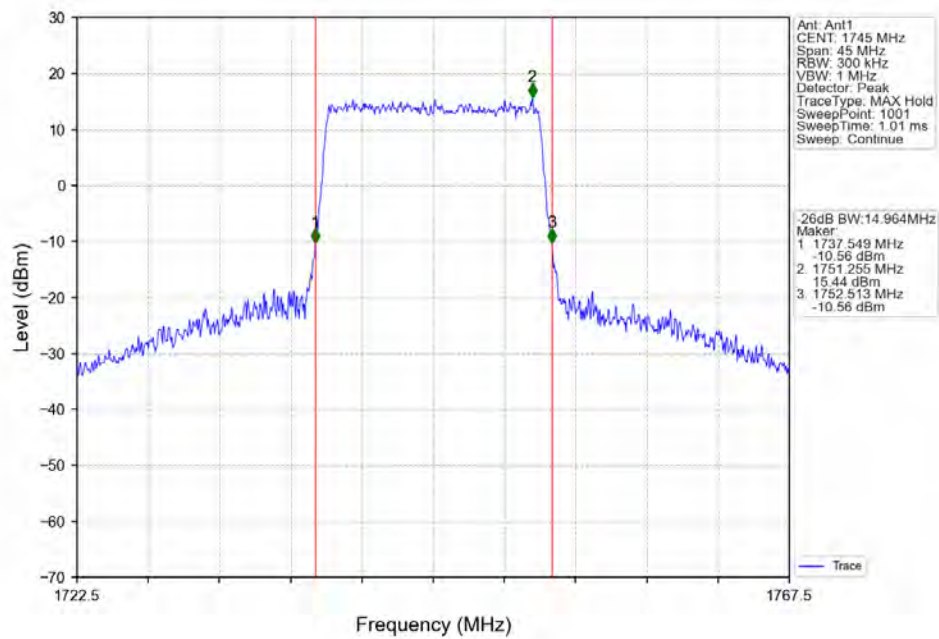
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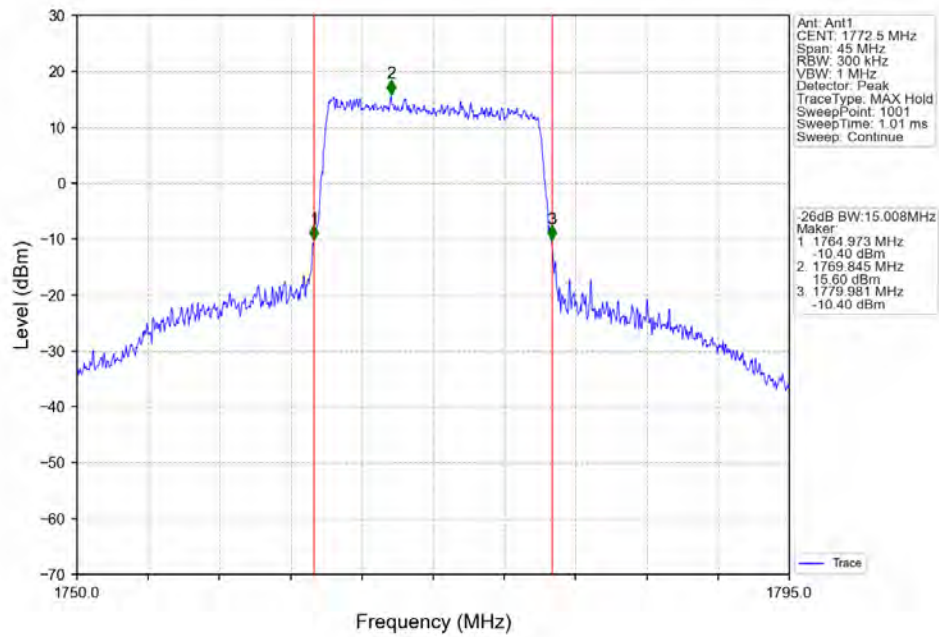
Band66_15MHz_64QAM_LCH_1717.5MHz_RB_75_0_NTNV



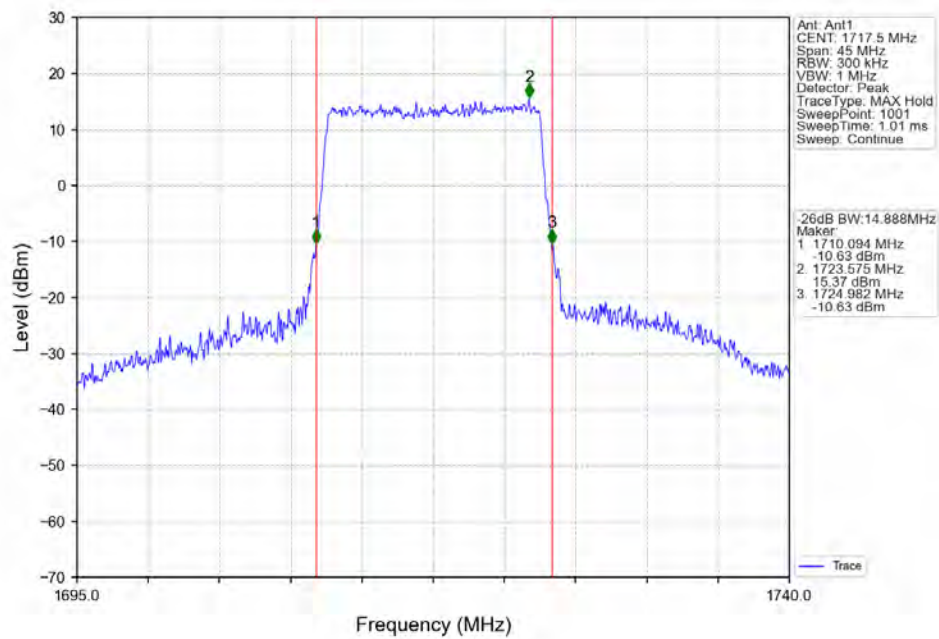
Band66_15MHz_64QAM_MCH_1745MHz_RB_75_0_NTNV



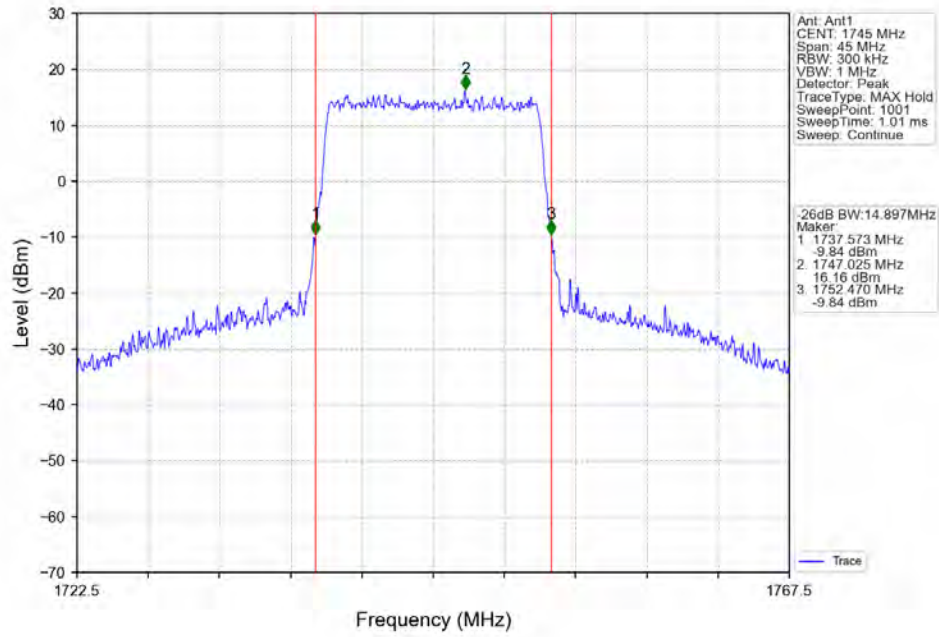
Band66_15MHz_64QAM_HCH_1772.5MHz_RB_75_0_NTNV



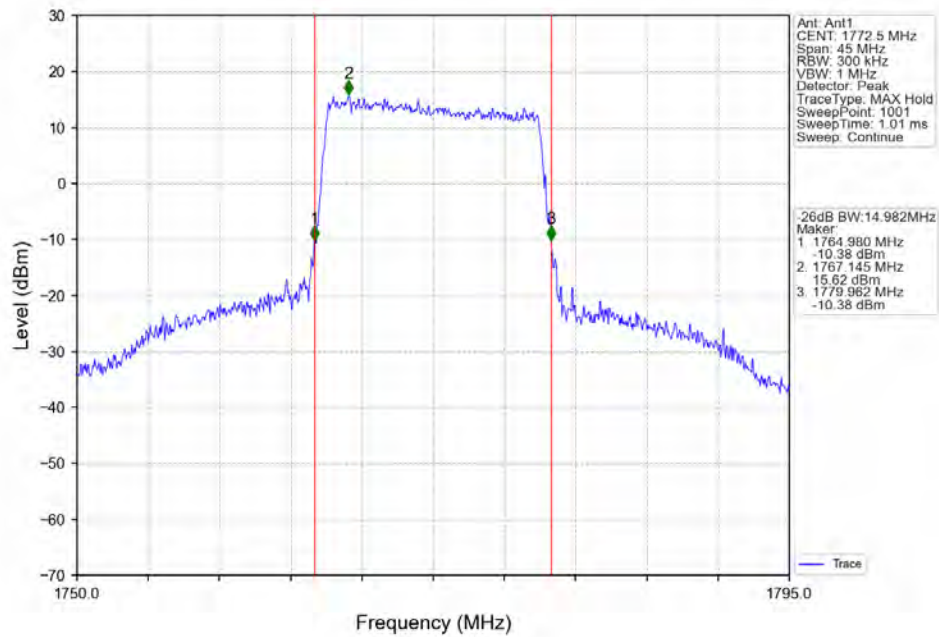
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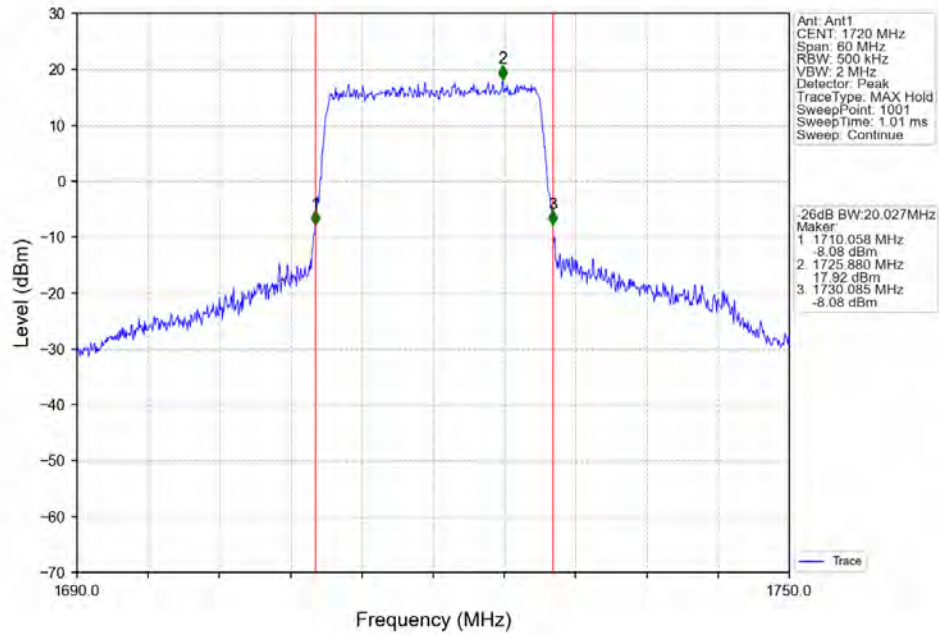
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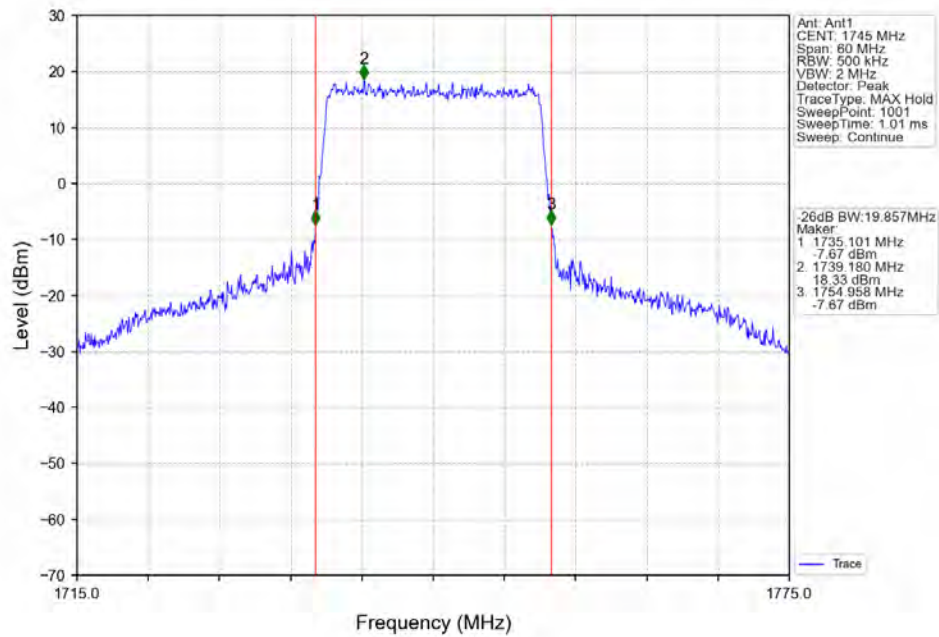
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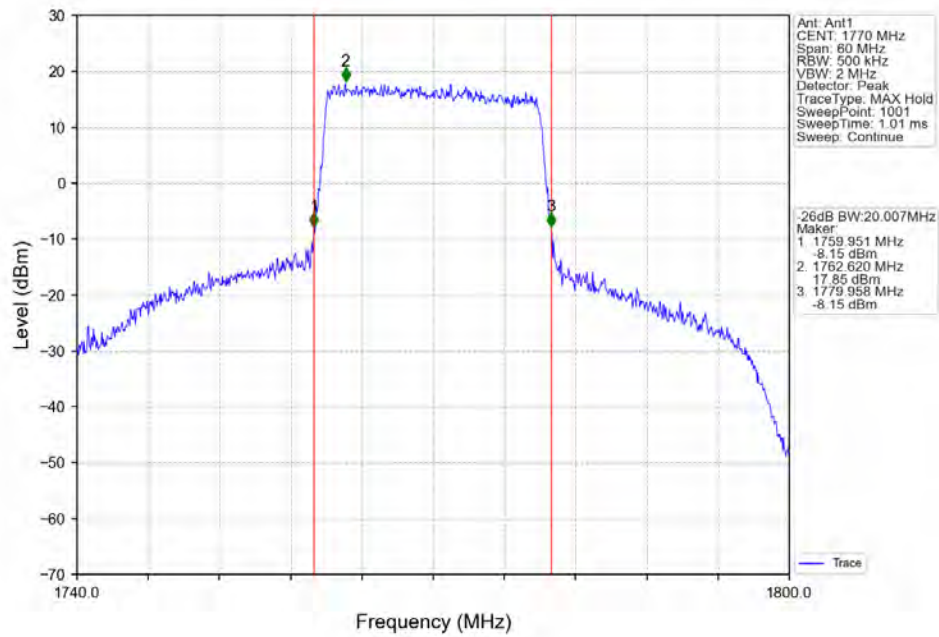
Band66 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



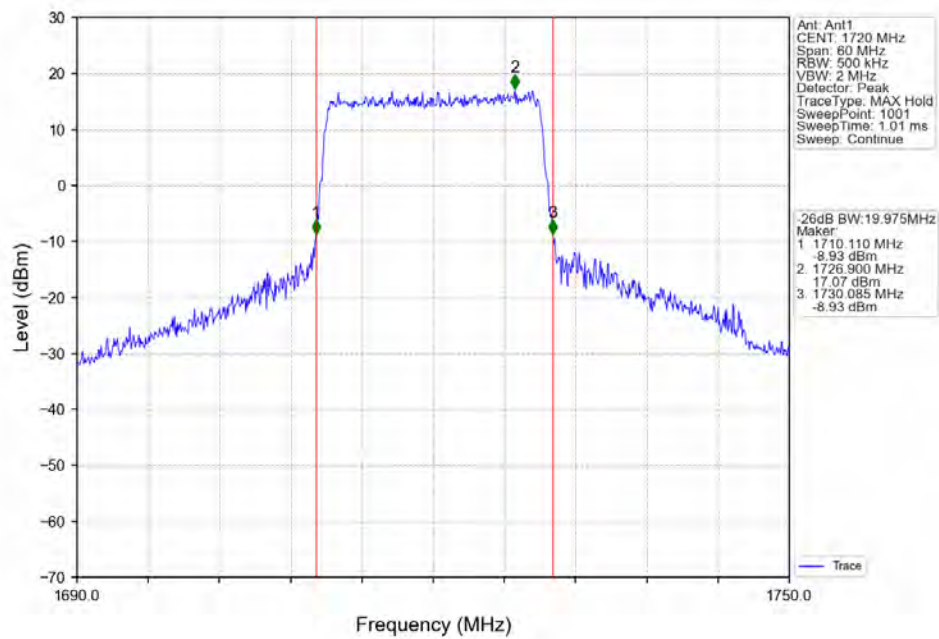
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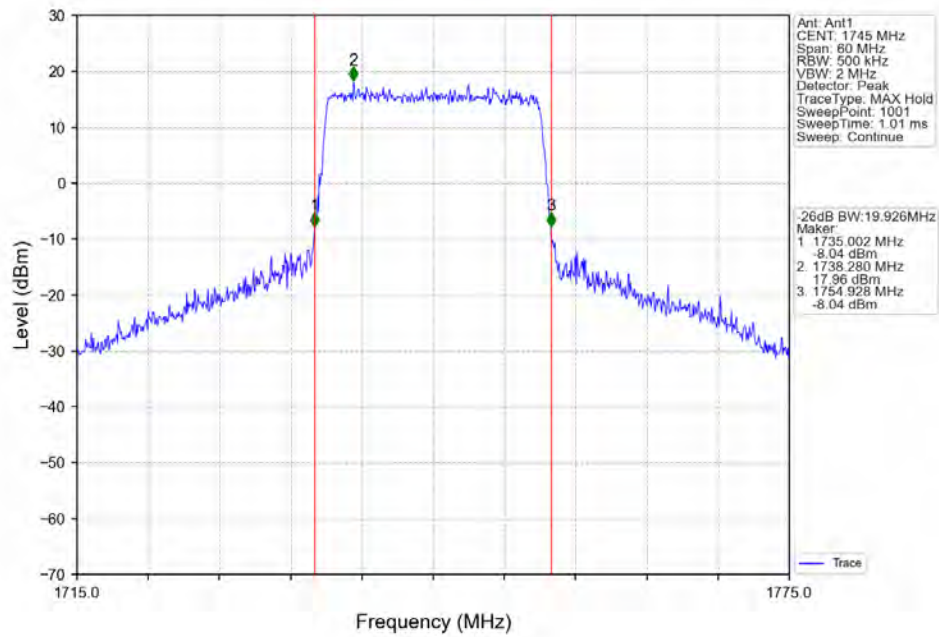
Band66 20MHz QPSK HCH 1770MHz RB 100 0 NTN



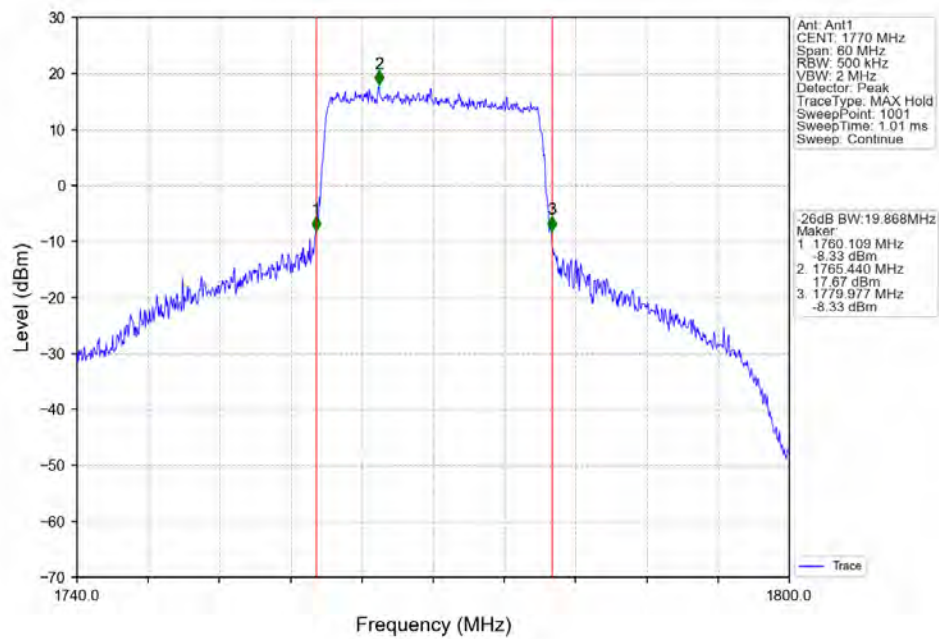
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0 NTN



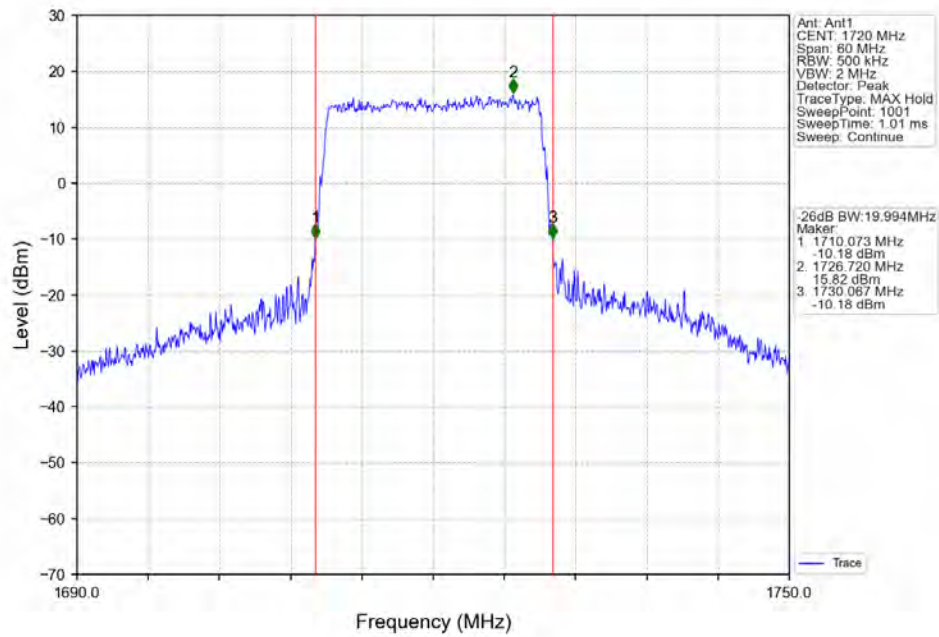
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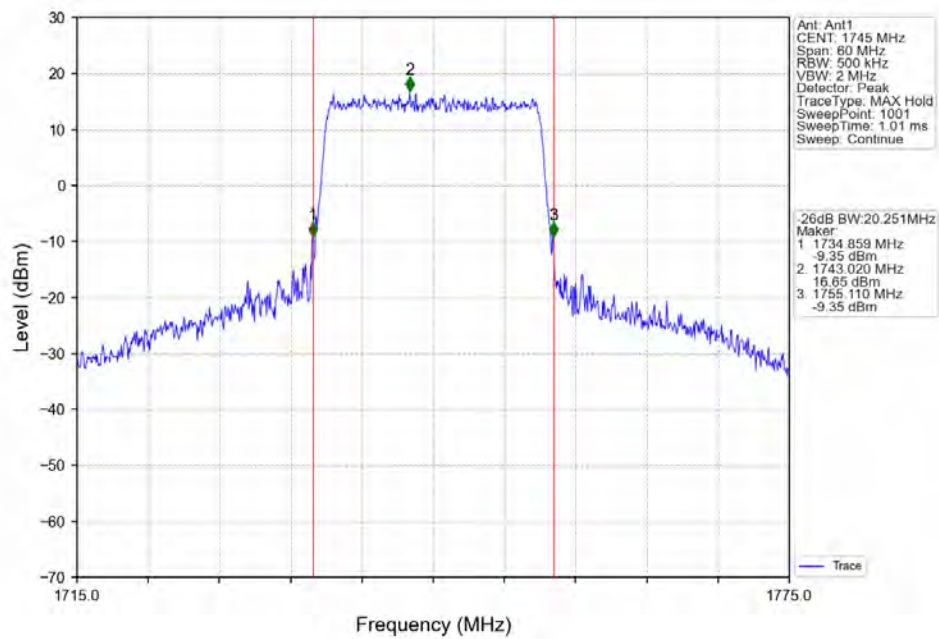
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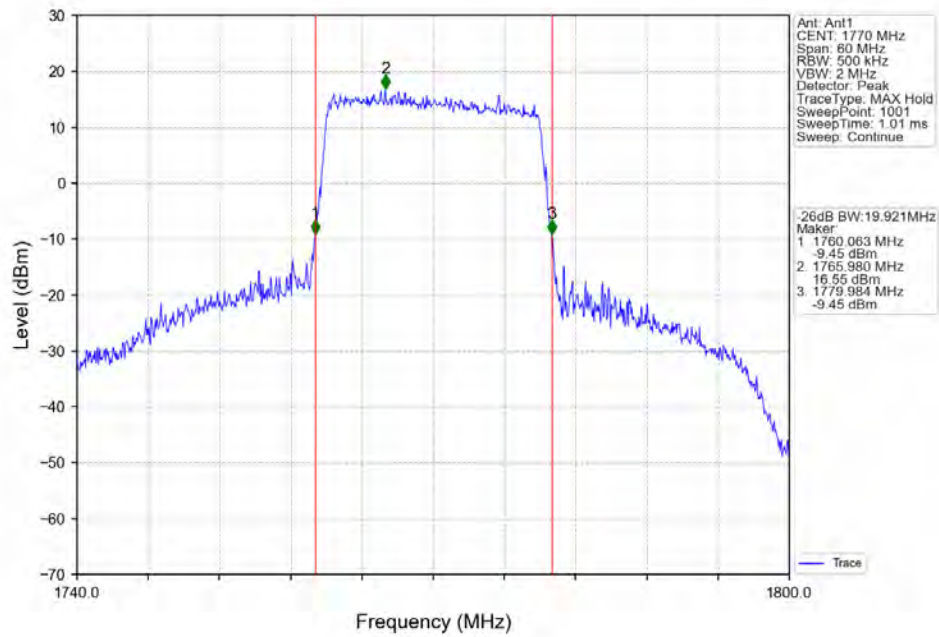
Band66 20MHz 64QAM LCH 1720MHz RB 100 0 NTNV



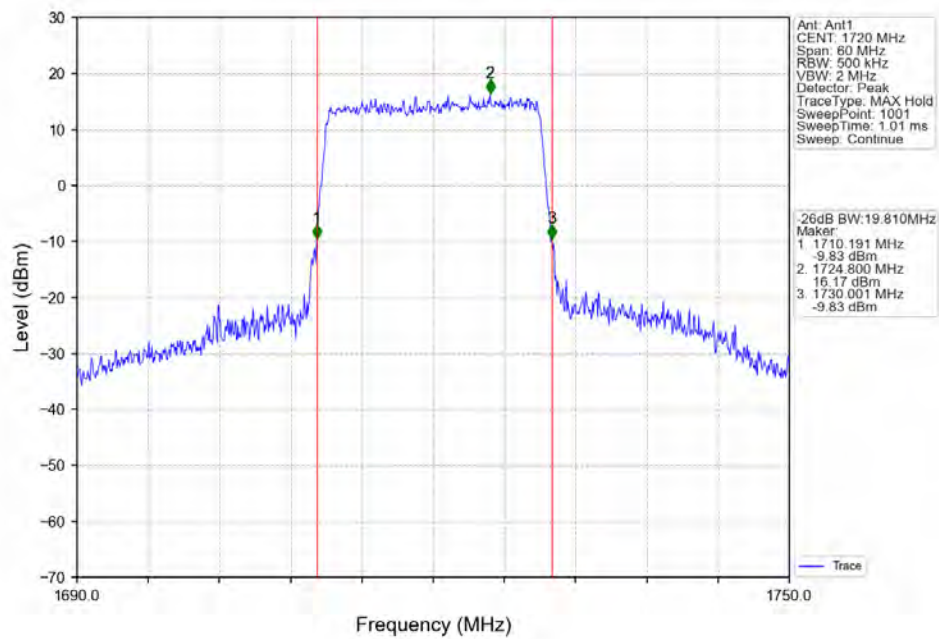
Band66 20MHz 64QAM MCH 1745MHz RB 100 0 NTNV



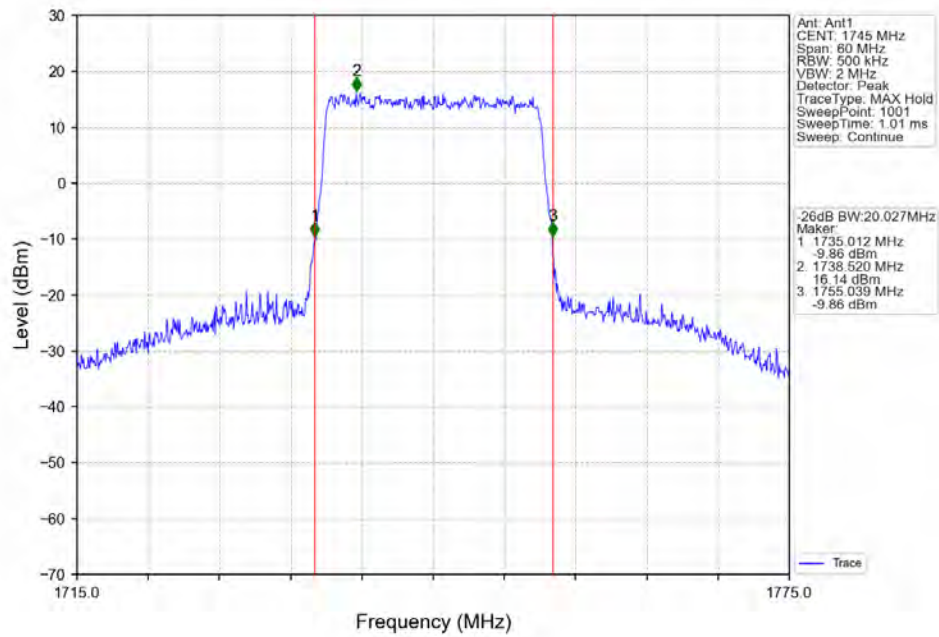
Band66 20MHz 64QAM HCH 1770MHz RB 100 0 NTNV



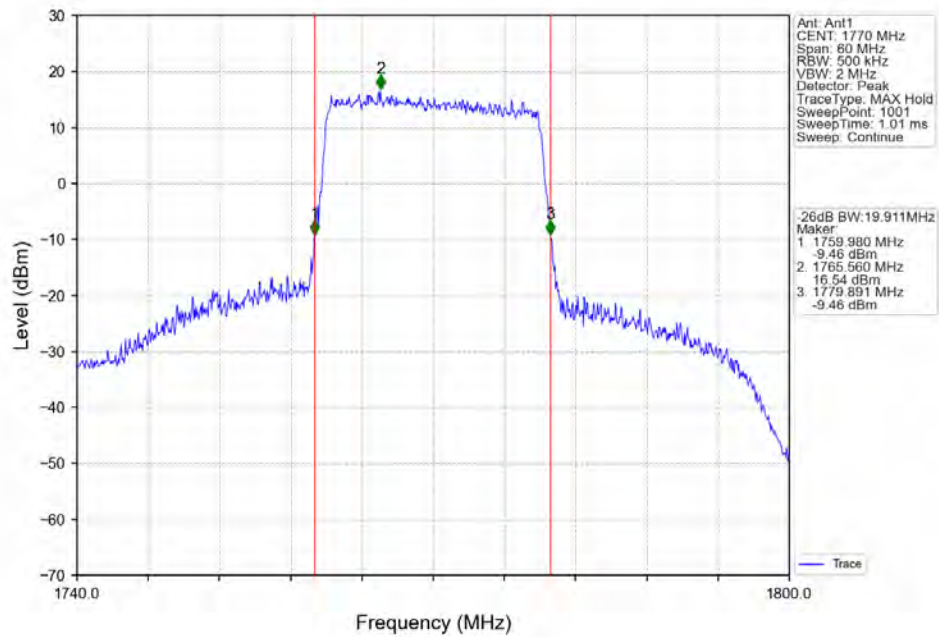
Band66 20MHz 256QAM LCH 1720MHz RB 100 0 NTNV



Band66 20MHz 256QAM MCH 1745MHz RB 100 0 NTN



Band66_20MHz_256QAM_HCH_1770MHz_RB_100_0 NTN



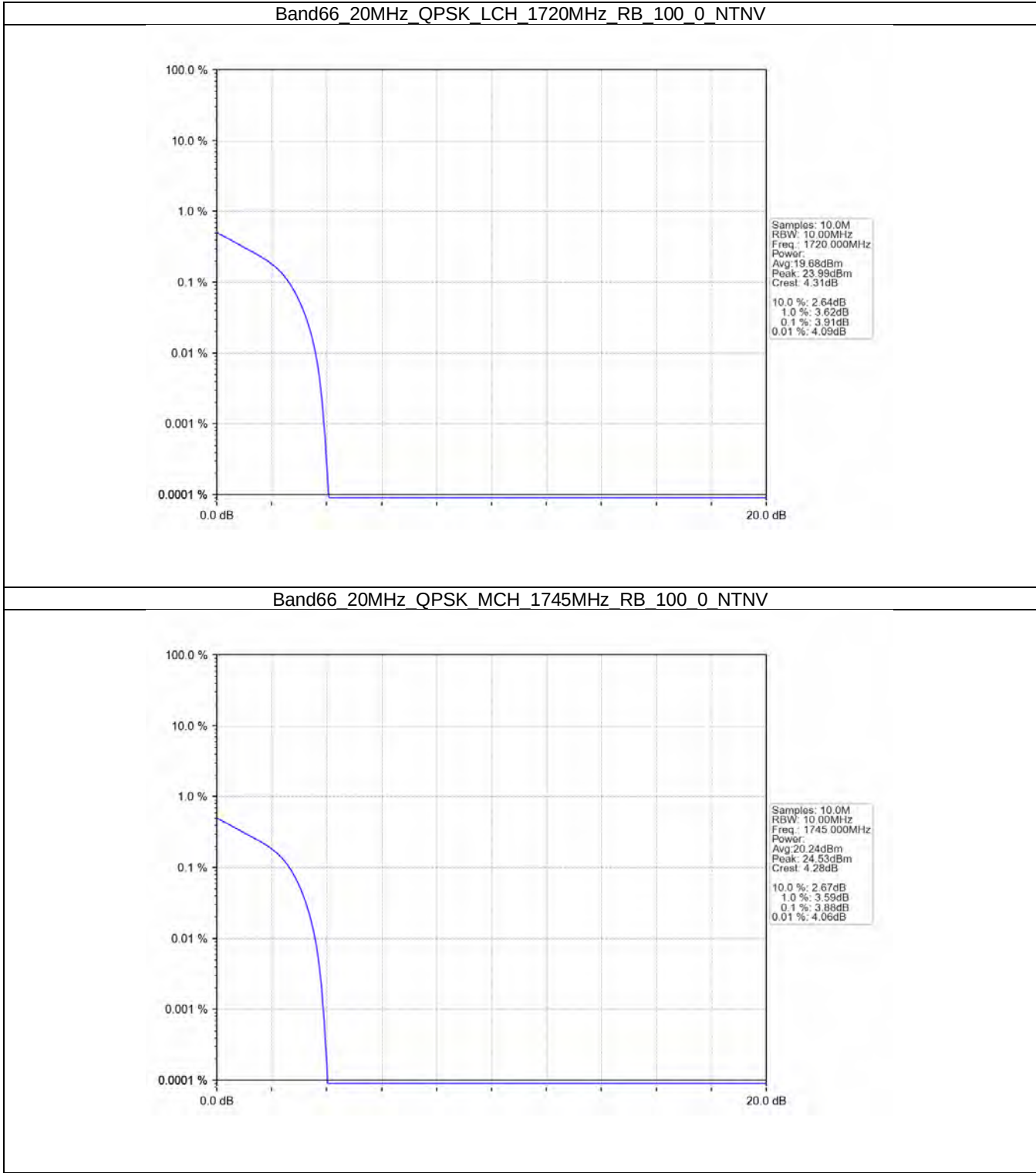
4. Peak-Average Ratio

4.1 B66_20MHz

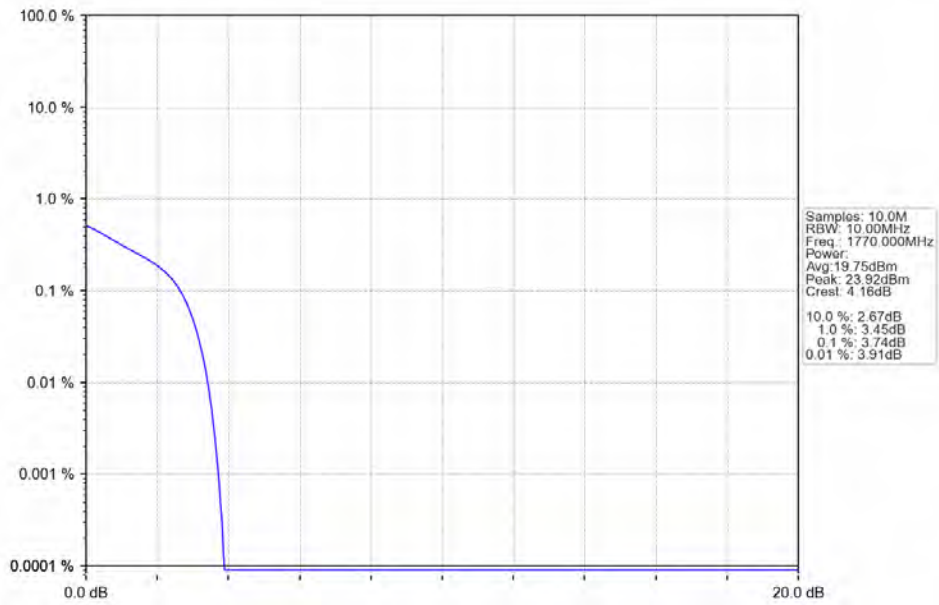
4.1.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	3.91	<=13	Pass
	1745	100	0	3.88	<=13	Pass
	1770	100	0	3.74	<=13	Pass
16QAM	1720	100	0	5.62	<=13	Pass
	1745	100	0	5.62	<=13	Pass
	1770	100	0	5.39	<=13	Pass
64QAM	1720	100	0	6.09	<=13	Pass
	1745	100	0	6.12	<=13	Pass
	1770	100	0	5.91	<=13	Pass
256QAM	1720	100	0	6.17	<=13	Pass
	1745	100	0	6.17	<=13	Pass
	1770	100	0	5.94	<=13	Pass

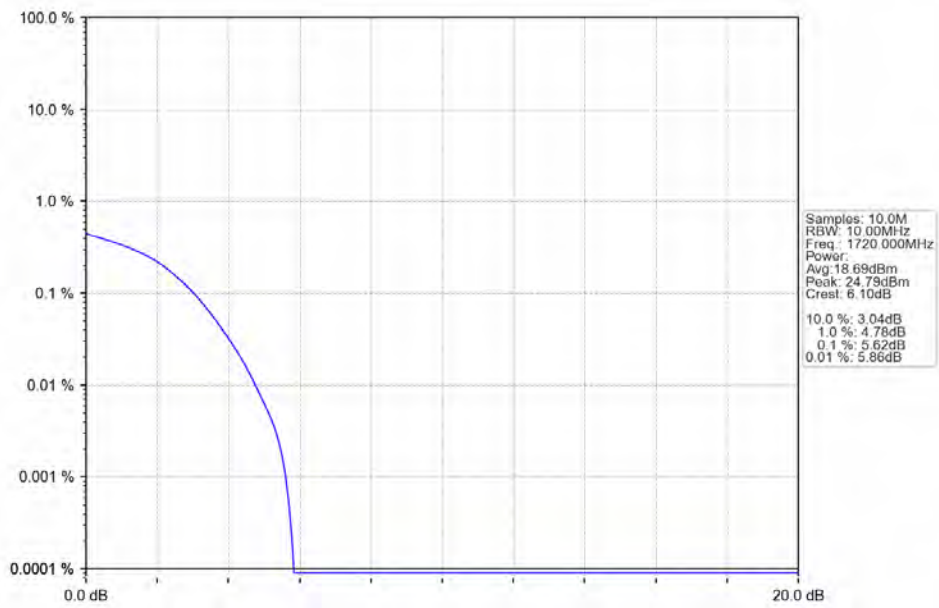
4.1.2 Test Graph



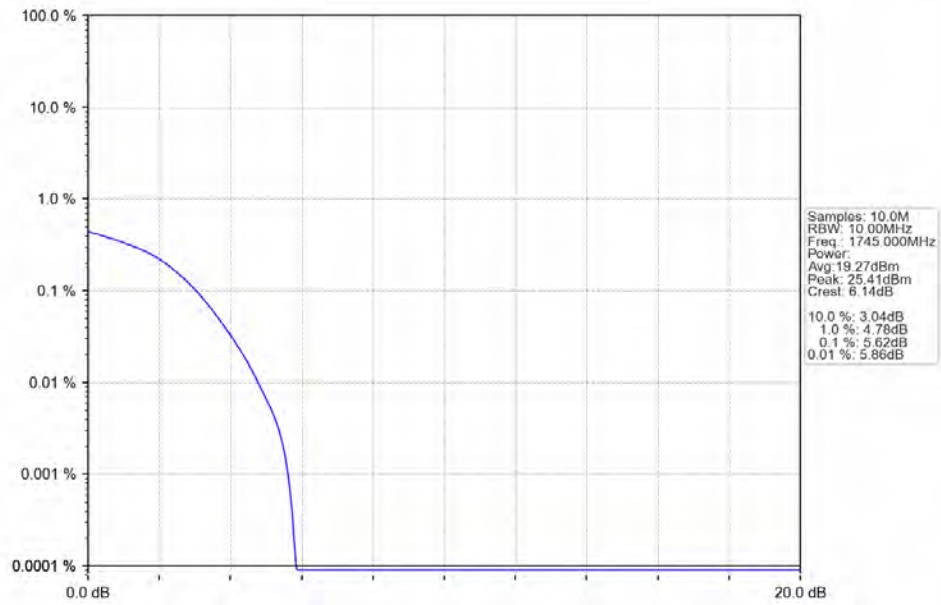
Band66 20MHz QPSK HCH 1770MHz RB 100 0 NTNV



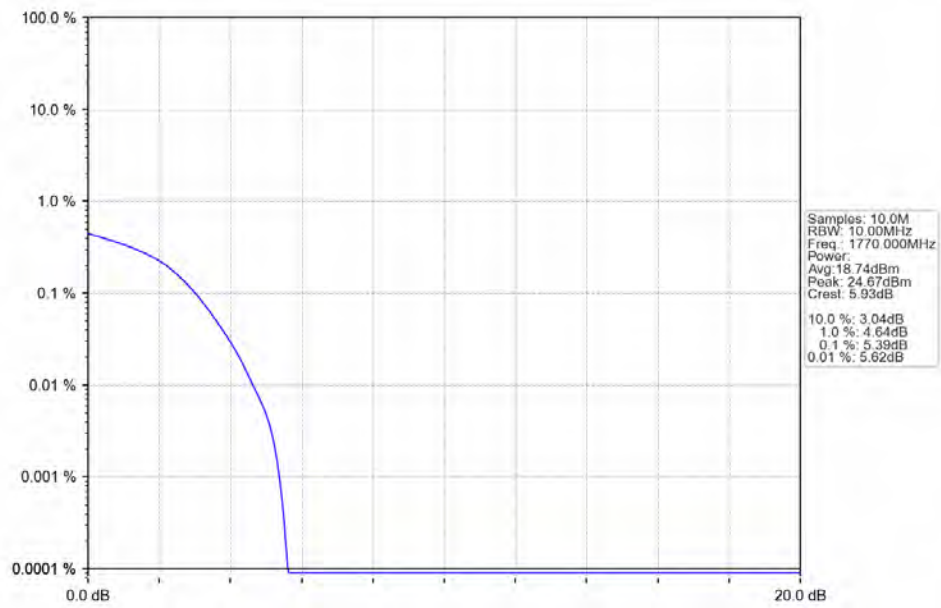
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



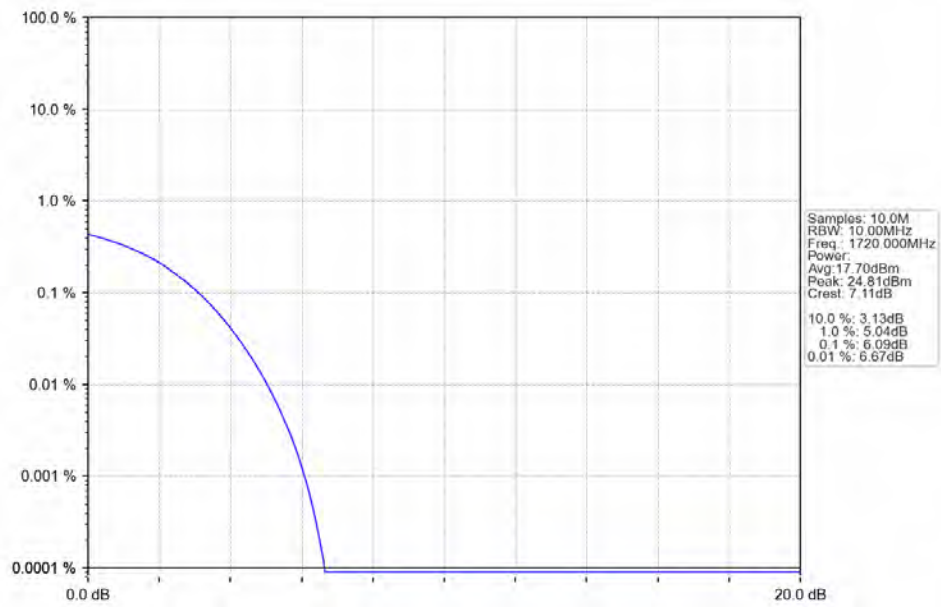
Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



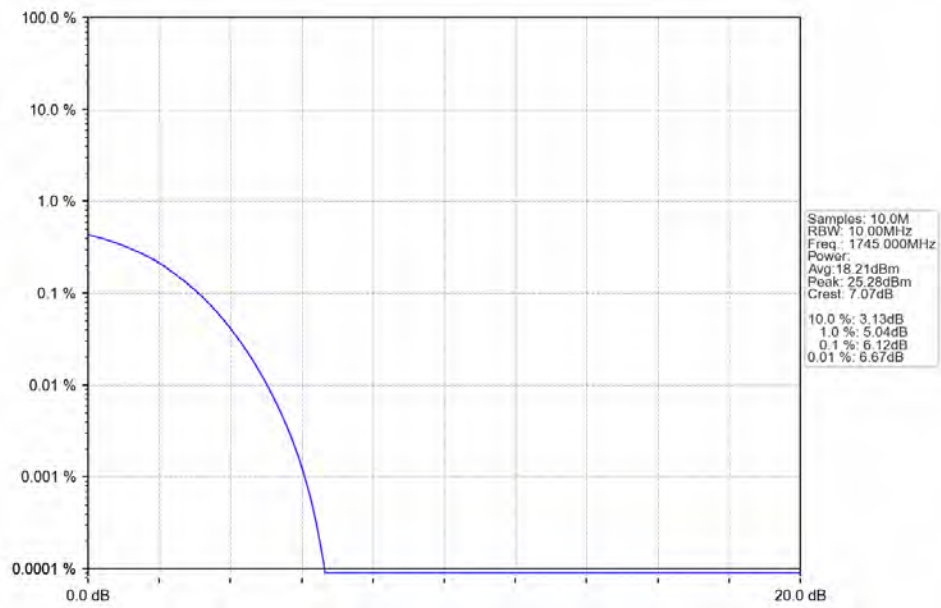
Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



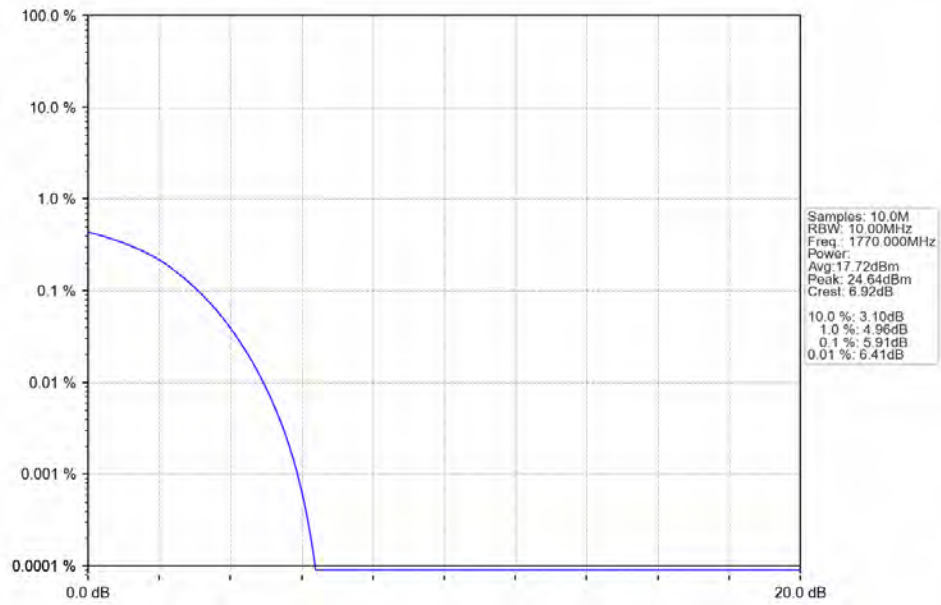
Band66 20MHz 64QAM LCH 1720MHz RB 100 0 NTNV



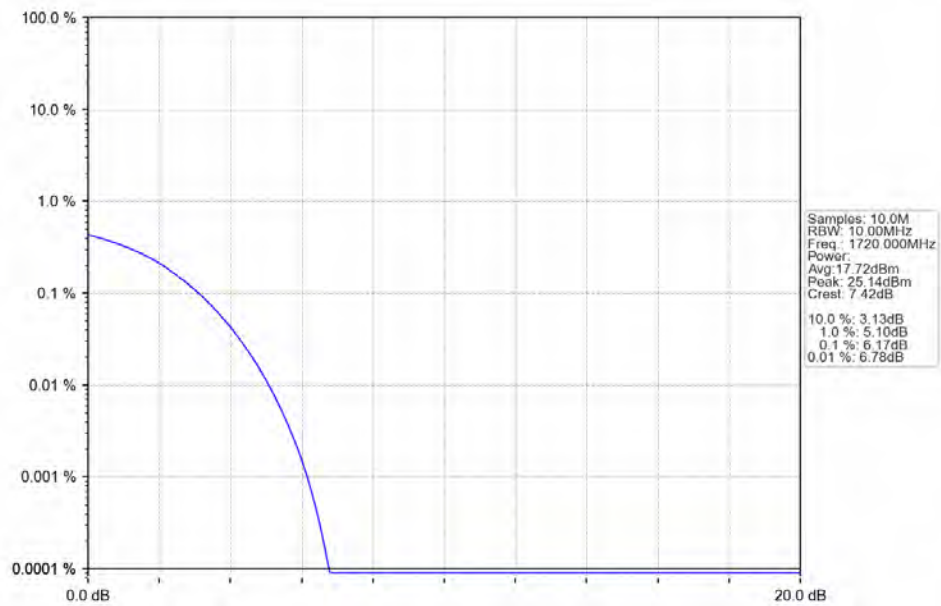
Band66 20MHz 64QAM MCH 1745MHz RB 100 0 NTNV



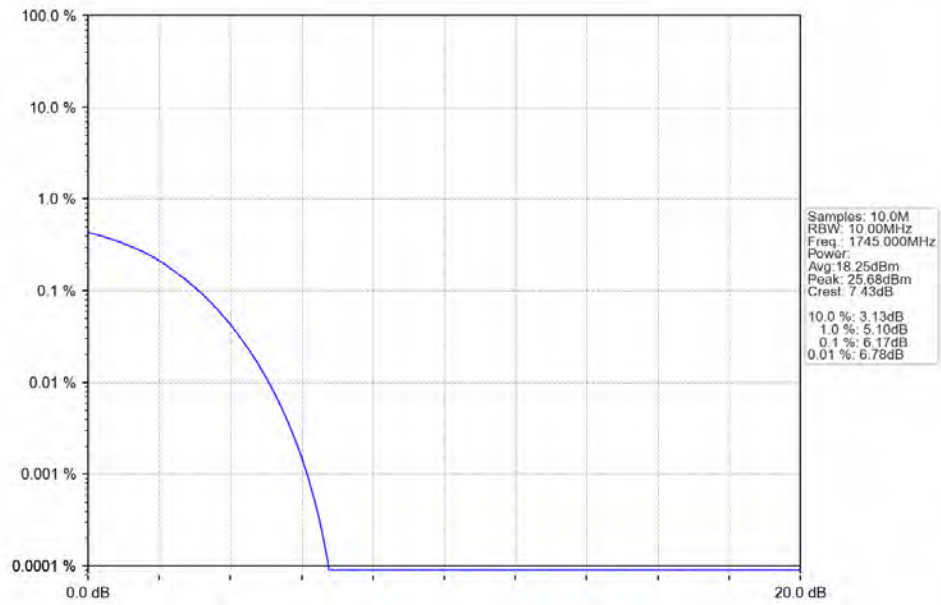
Band66_20MHz_64QAM_HCH_1770MHz_RB_100_0_NTNV



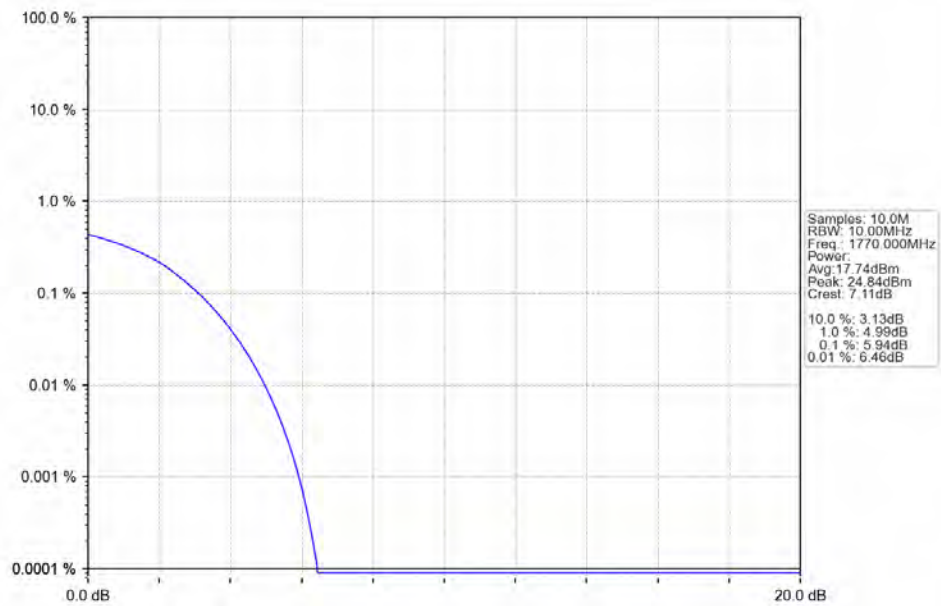
Band66_20MHz_256QAM_LCH_1720MHz_RB_100_0_NTNV



Band66 20MHz 256QAM MCH 1745MHz RB 100 0 NTN



Band66 20MHz 256QAM HCH 1770MHz RB 100 0 NTN



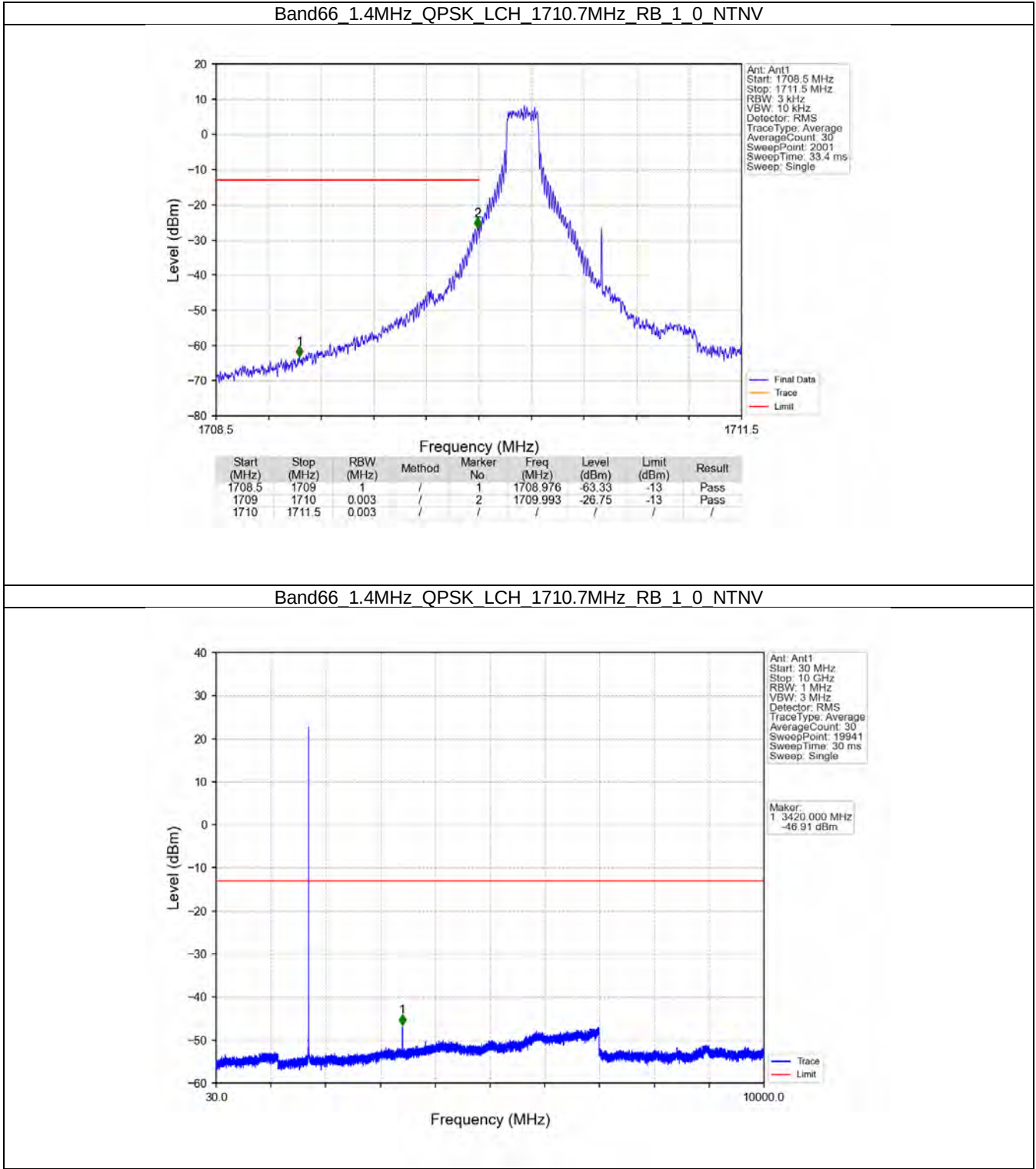
5. Spurious Emission & Band Edges

5.1 B66_1.4MHz

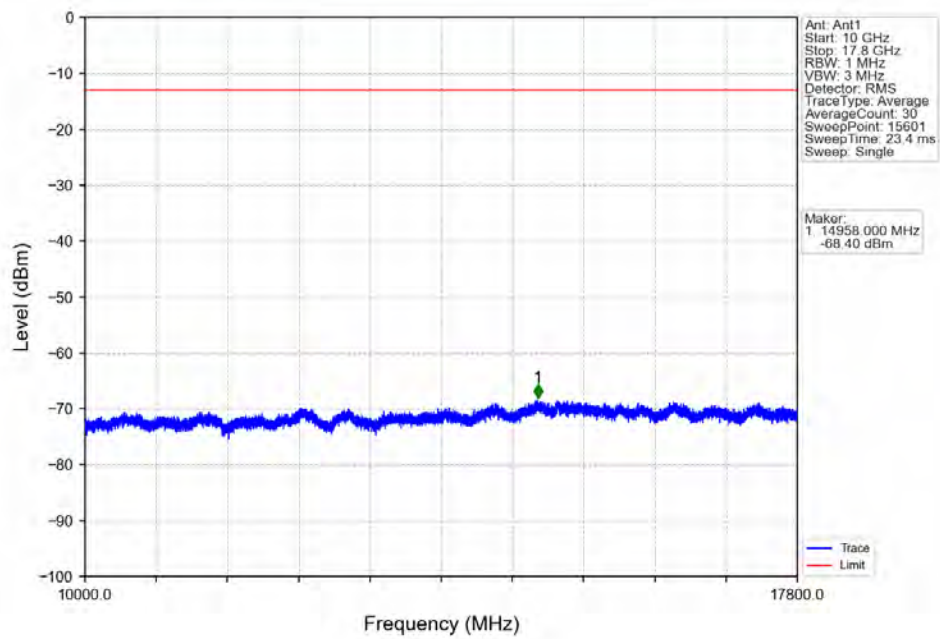
5.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTN						
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

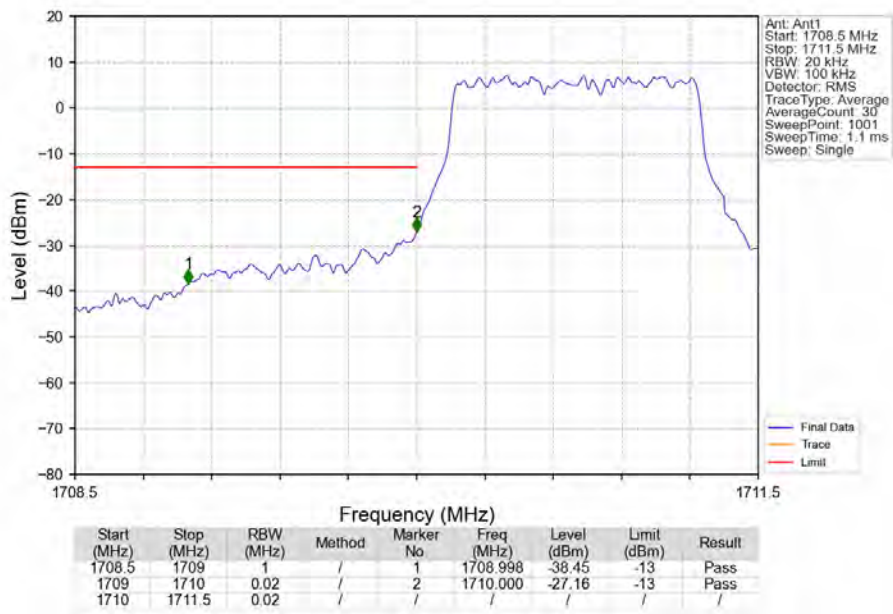
5.1.2 Test Graph



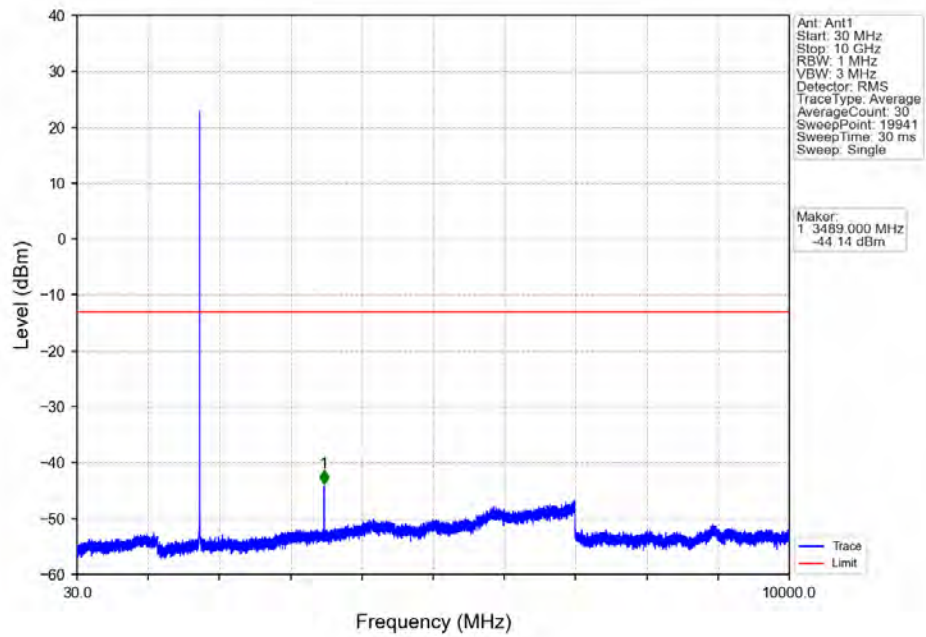
Band66 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTNV



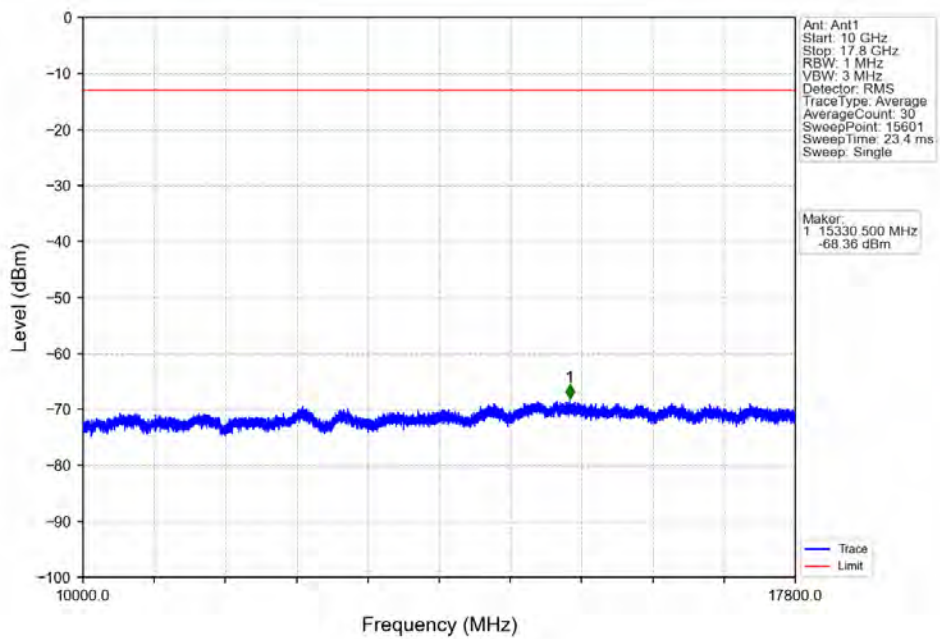
Band66 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTNV



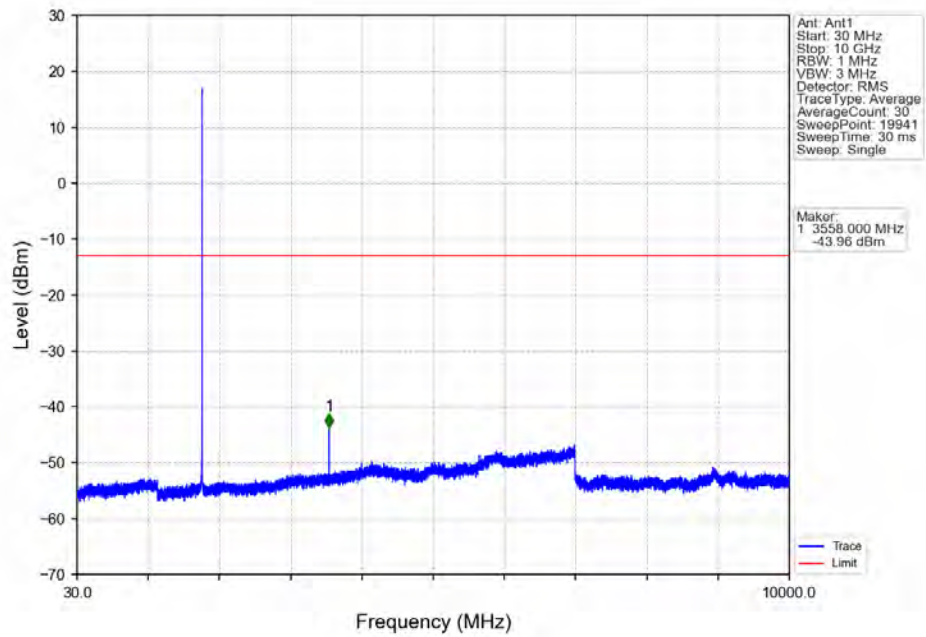
Band66 1.4MHz QPSK MCH 1745MHz RB 1 0 NTNV



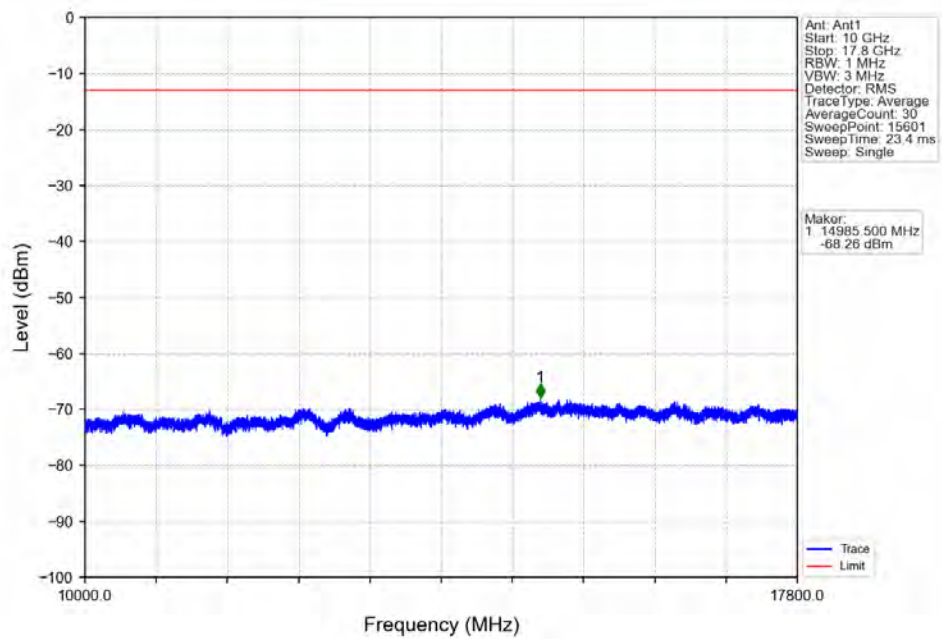
Band66 1.4MHz QPSK MCH 1745MHz RB 1 0 NTNV



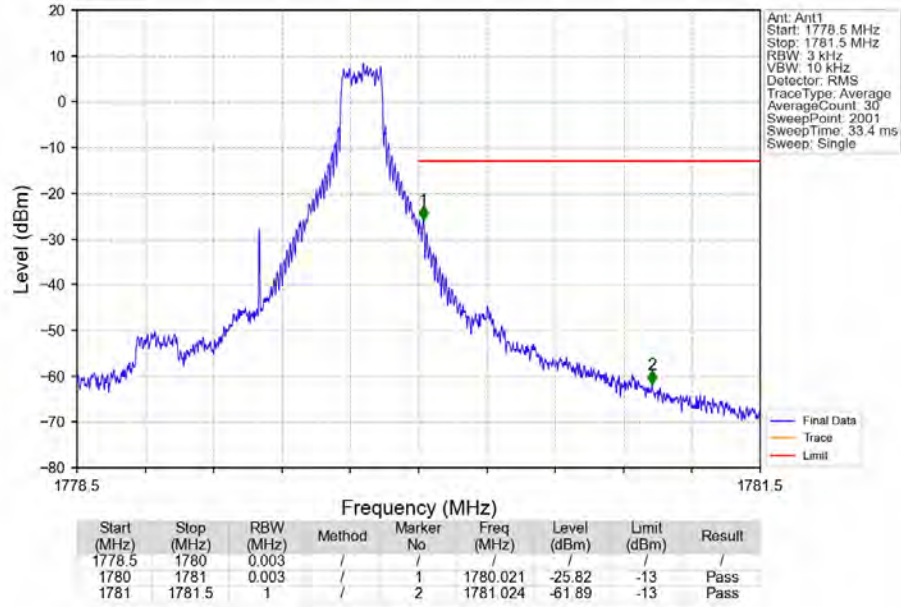
Band66 1.4MHz QPSK HCH 1779.3MHz RB 1 0 NTNV



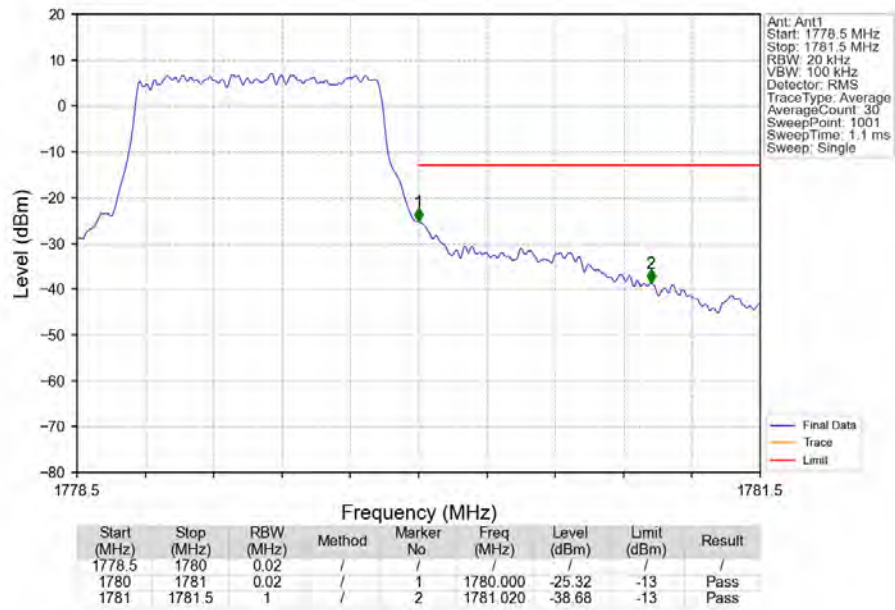
Band66 1.4MHz QPSK HCH 1779.3MHz RB 1 0 NTNV



Band66 1.4MHz QPSK HCH 1779.3MHz RB 1 5 NTNV



Band66 1.4MHz QPSK HCH 1779.3MHz RB 6 0 NTNV

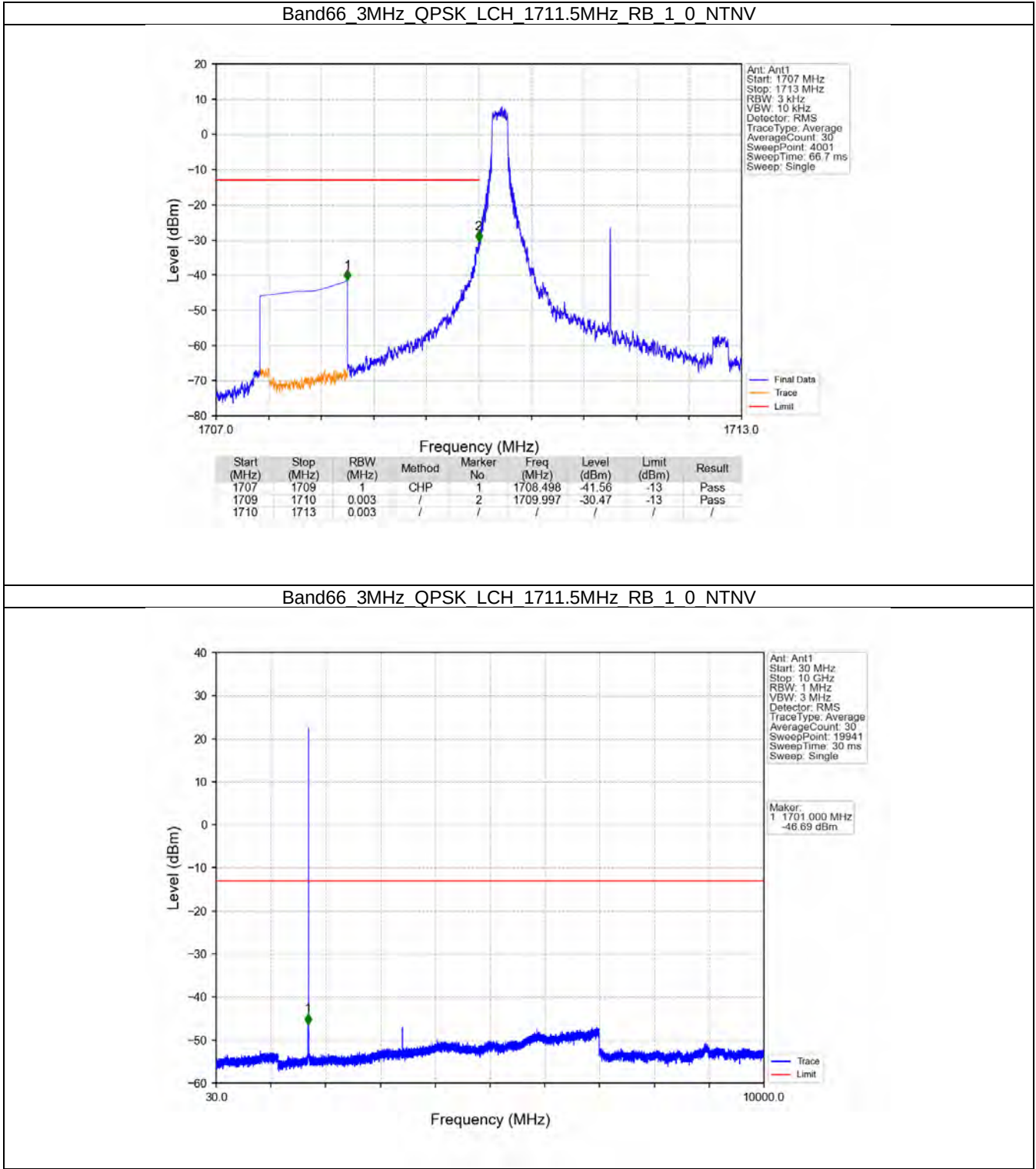


5.2 B66_3MHz

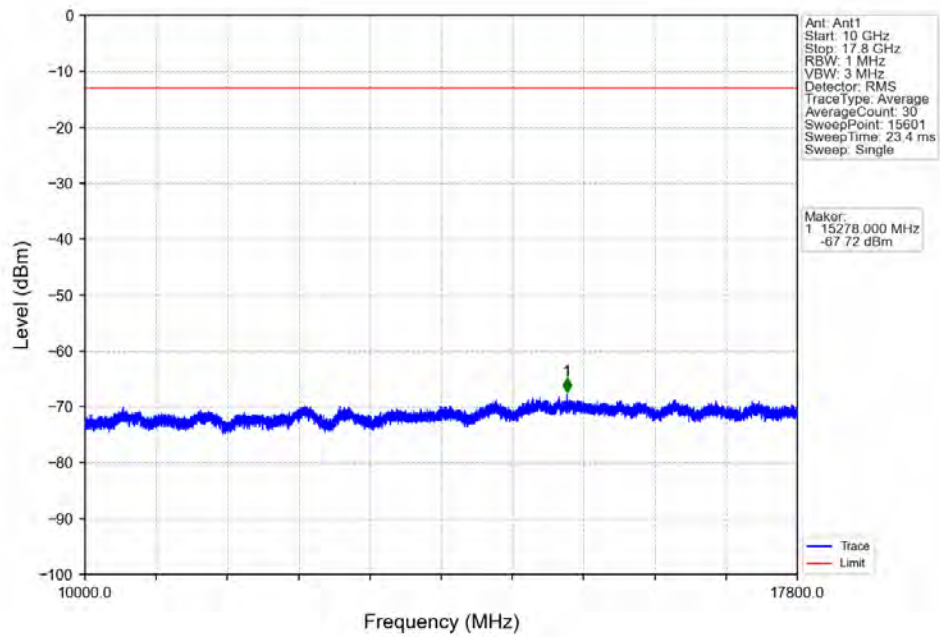
5.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	1711.5	1	0	Refer To Test Graph	Pass
		15	0	Refer To Test Graph	Pass
	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

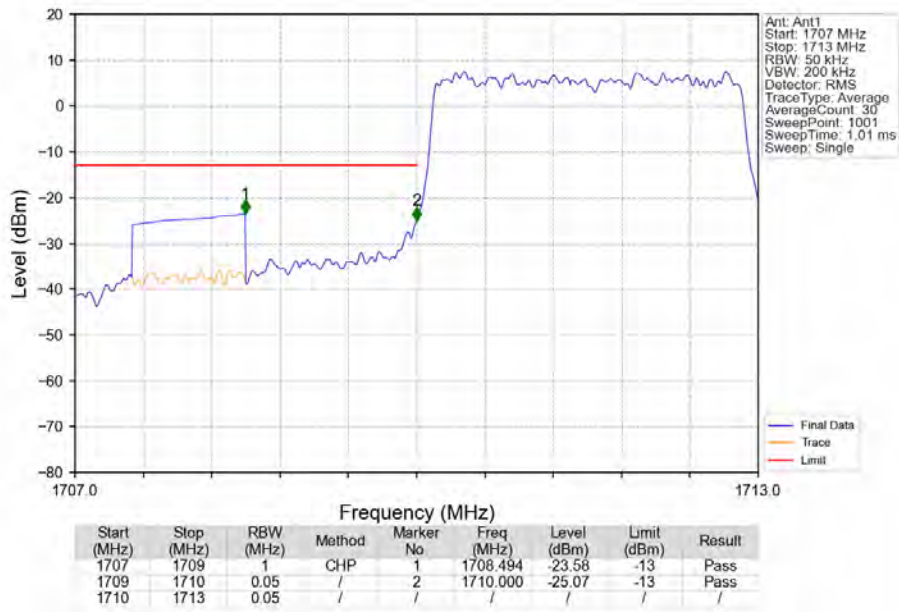
5.2.2 Test Graph



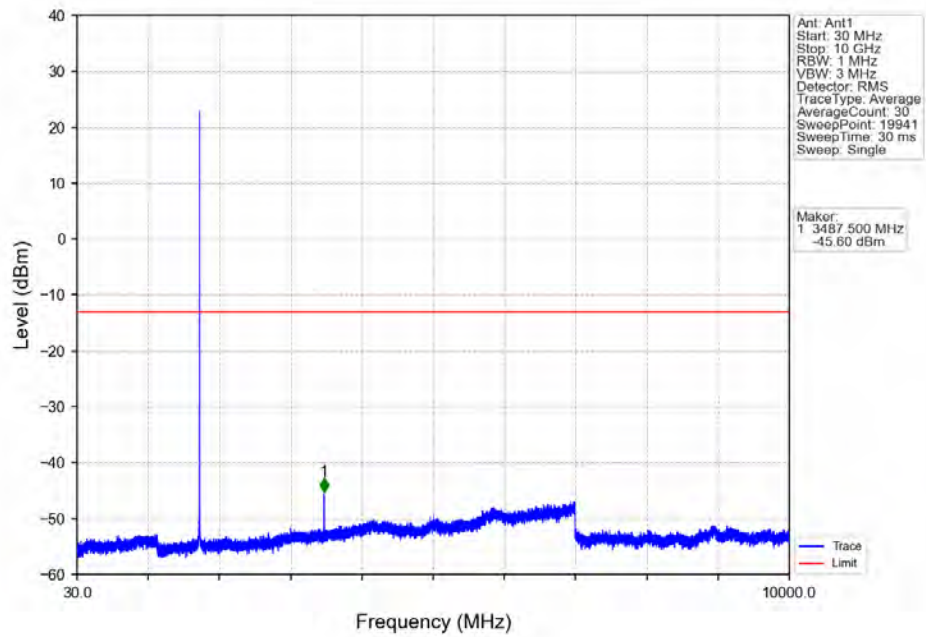
Band66 3MHz QPSK LCH 1711.5MHz RB 1 0 NTNV



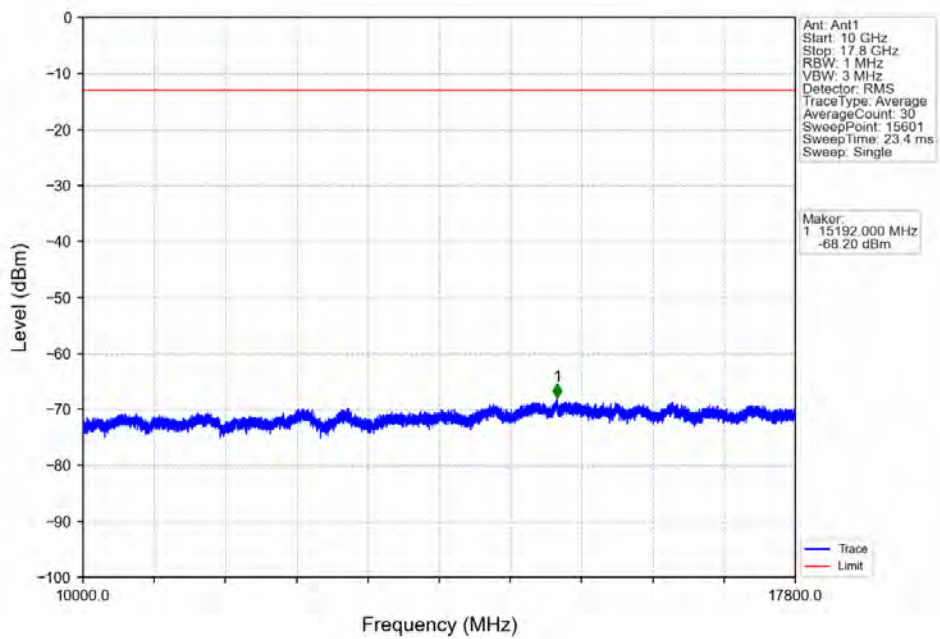
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



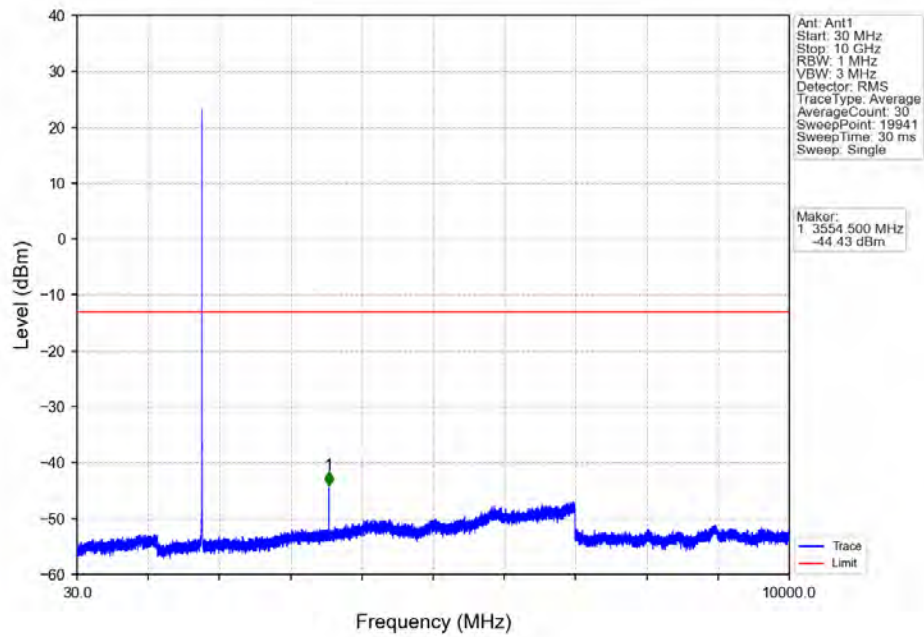
Band66 3MHz QPSK MCH 1745MHz RB 1 0 NTNV



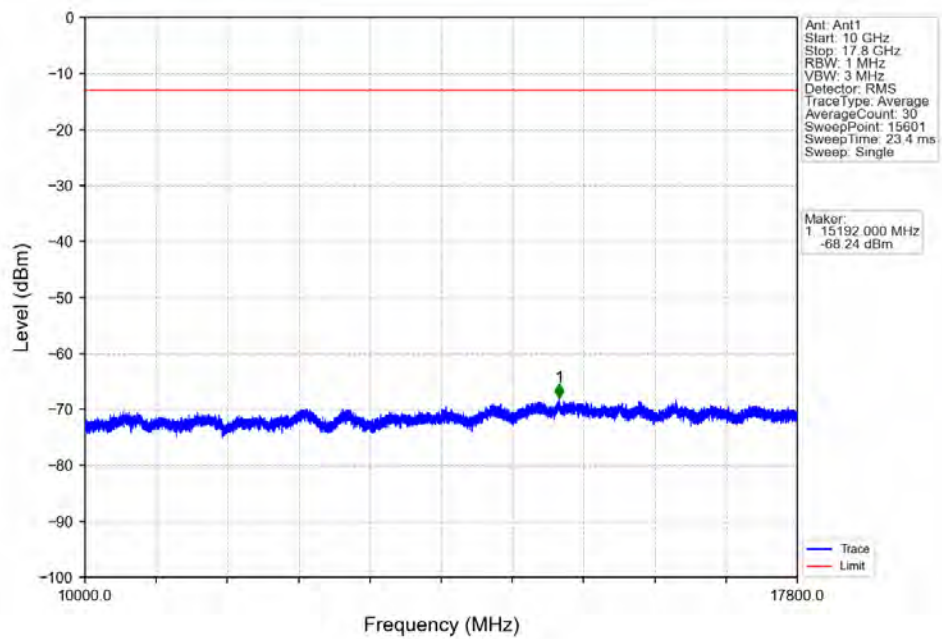
Band66 3MHz QPSK MCH 1745MHz RB 1 0 NTNV



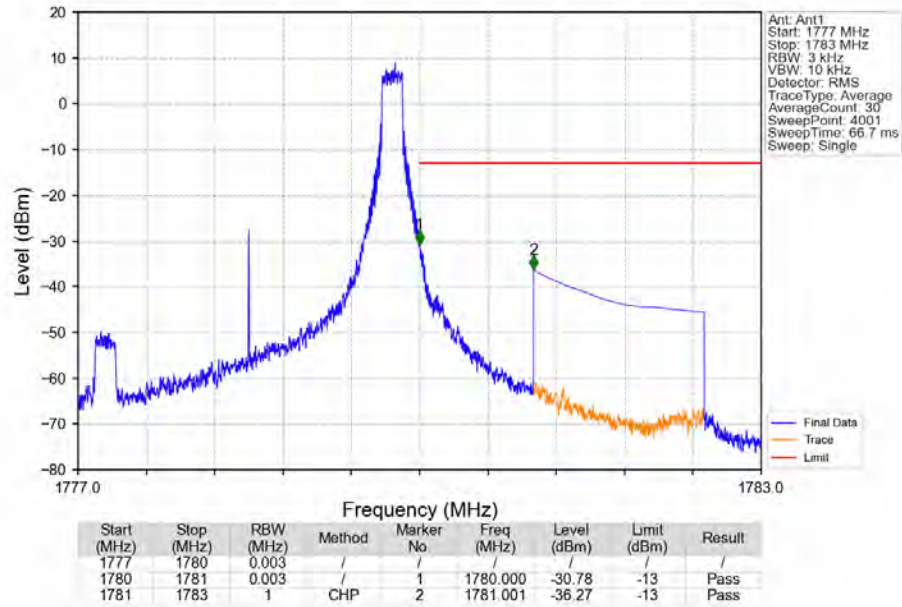
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV



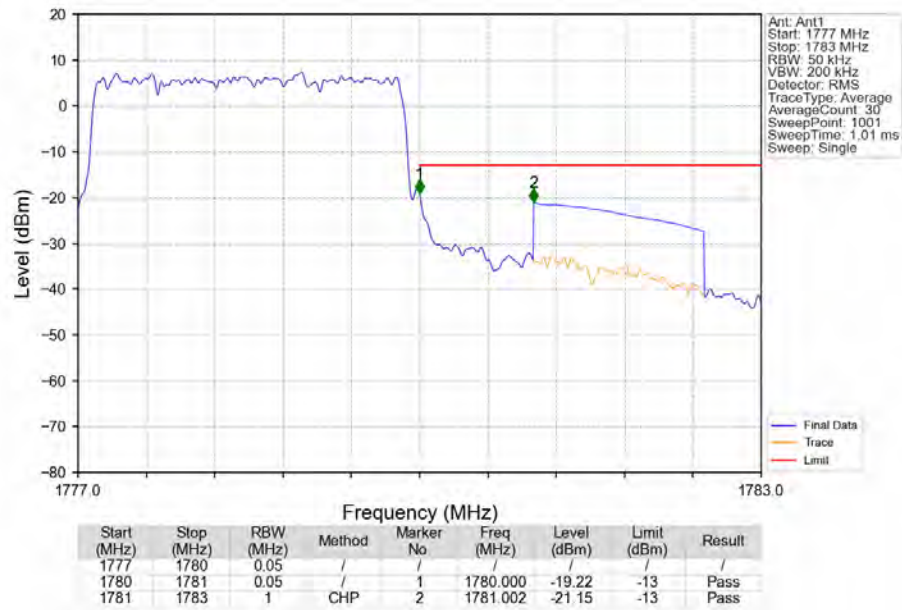
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV



Band66 3MHz QPSK HCH 1778.5MHz RB 1 14 NTNV



Band66 3MHz QPSK HCH 1778.5MHz RB 15 0 NTNV

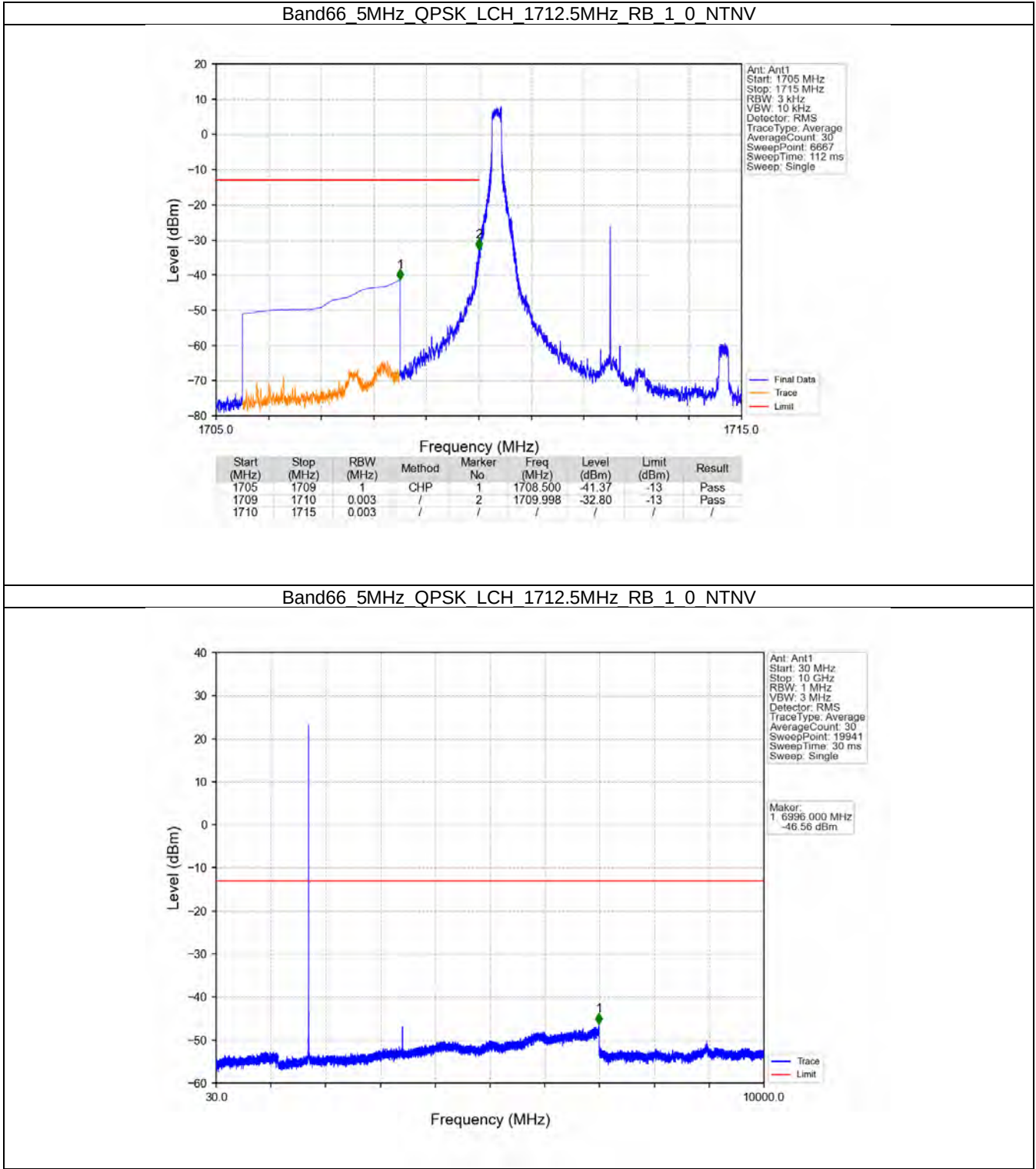


5.3 B66_5MHz

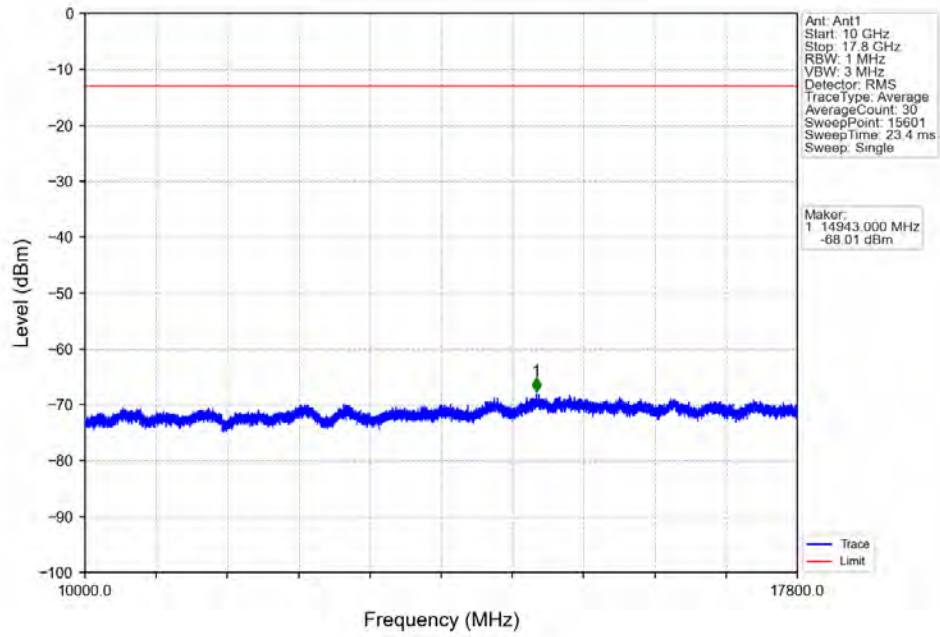
5.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTV						
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

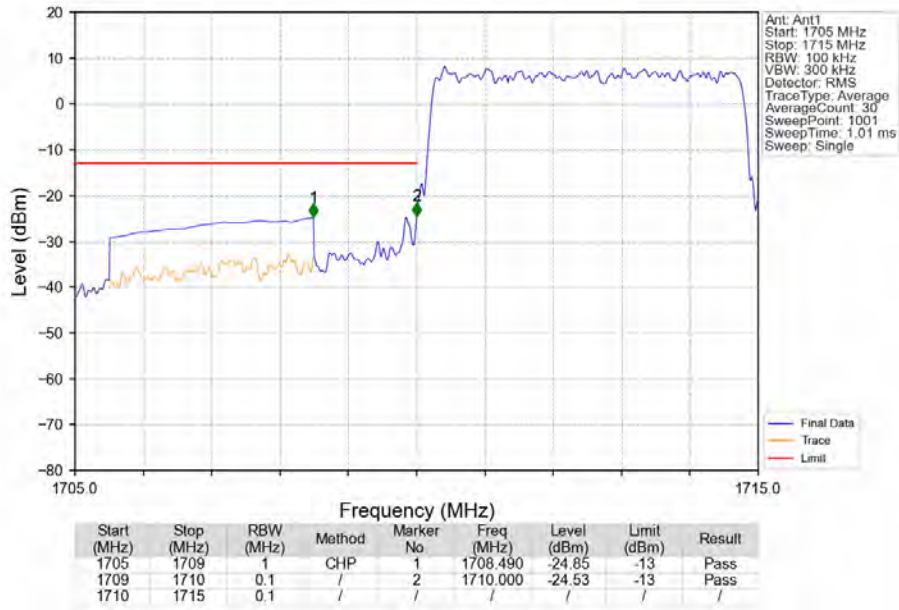
5.3.2 Test Graph



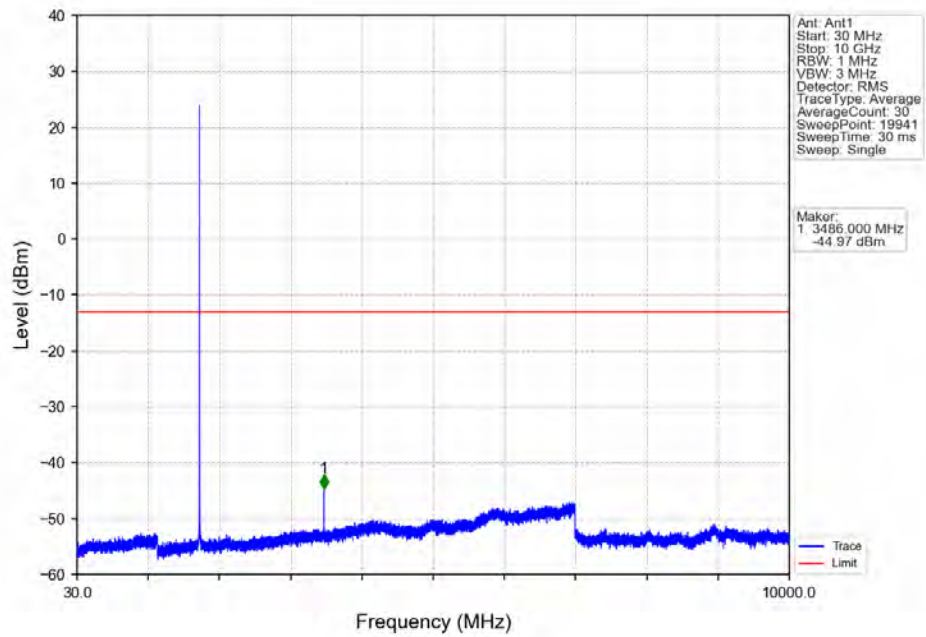
Band66 5MHz QPSK LCH 1712.5MHz RB 1 0 NTNV



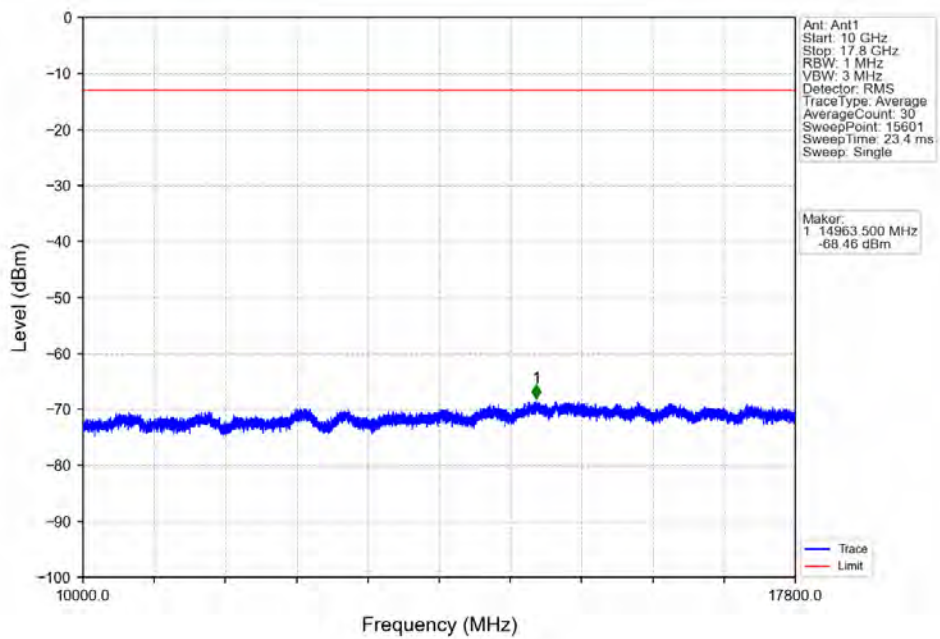
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



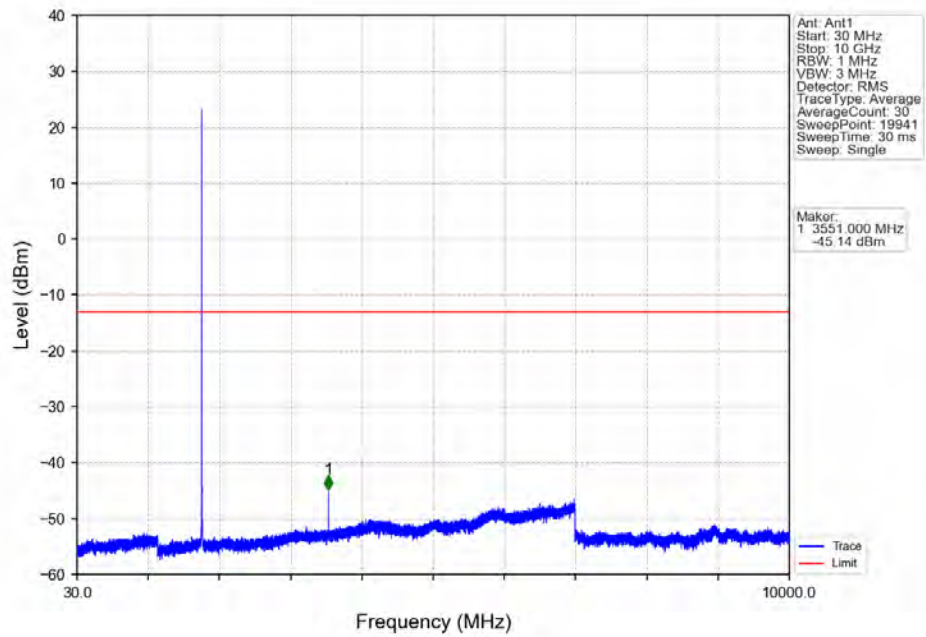
Band66 5MHz QPSK MCH 1745MHz RB 1 0 NTN



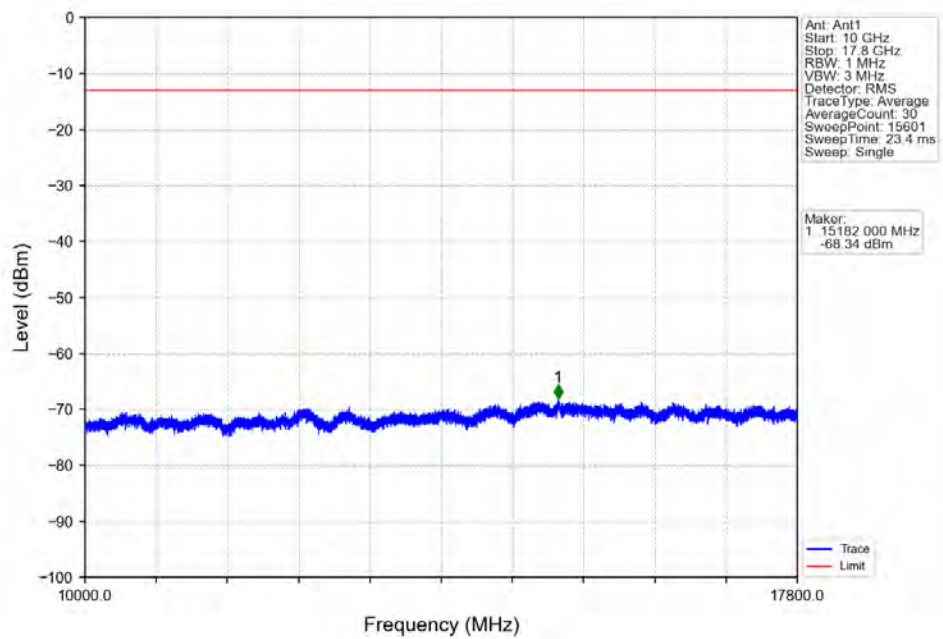
Band66 5MHz QPSK MCH 1745MHz RB 1 0 NTN



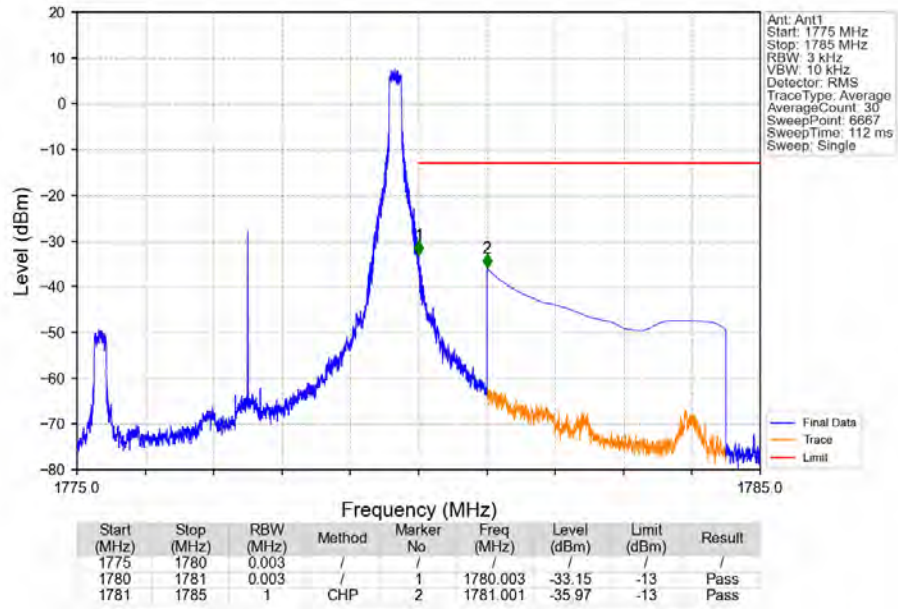
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV



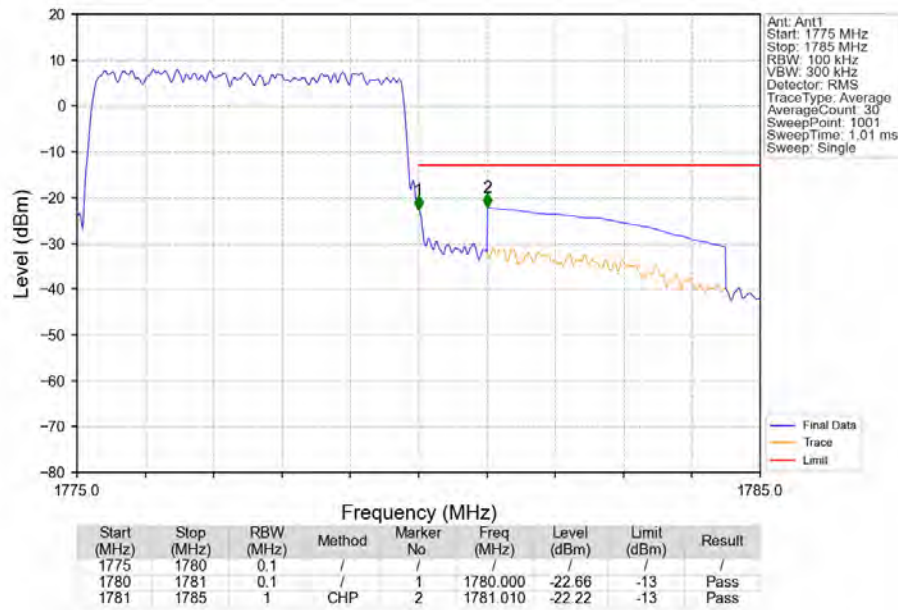
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV



Band66 5MHz QPSK HCH 1777.5MHz RB 1 24 NTNV



Band66 5MHz QPSK HCH 1777.5MHz RB 25 0 NTNV

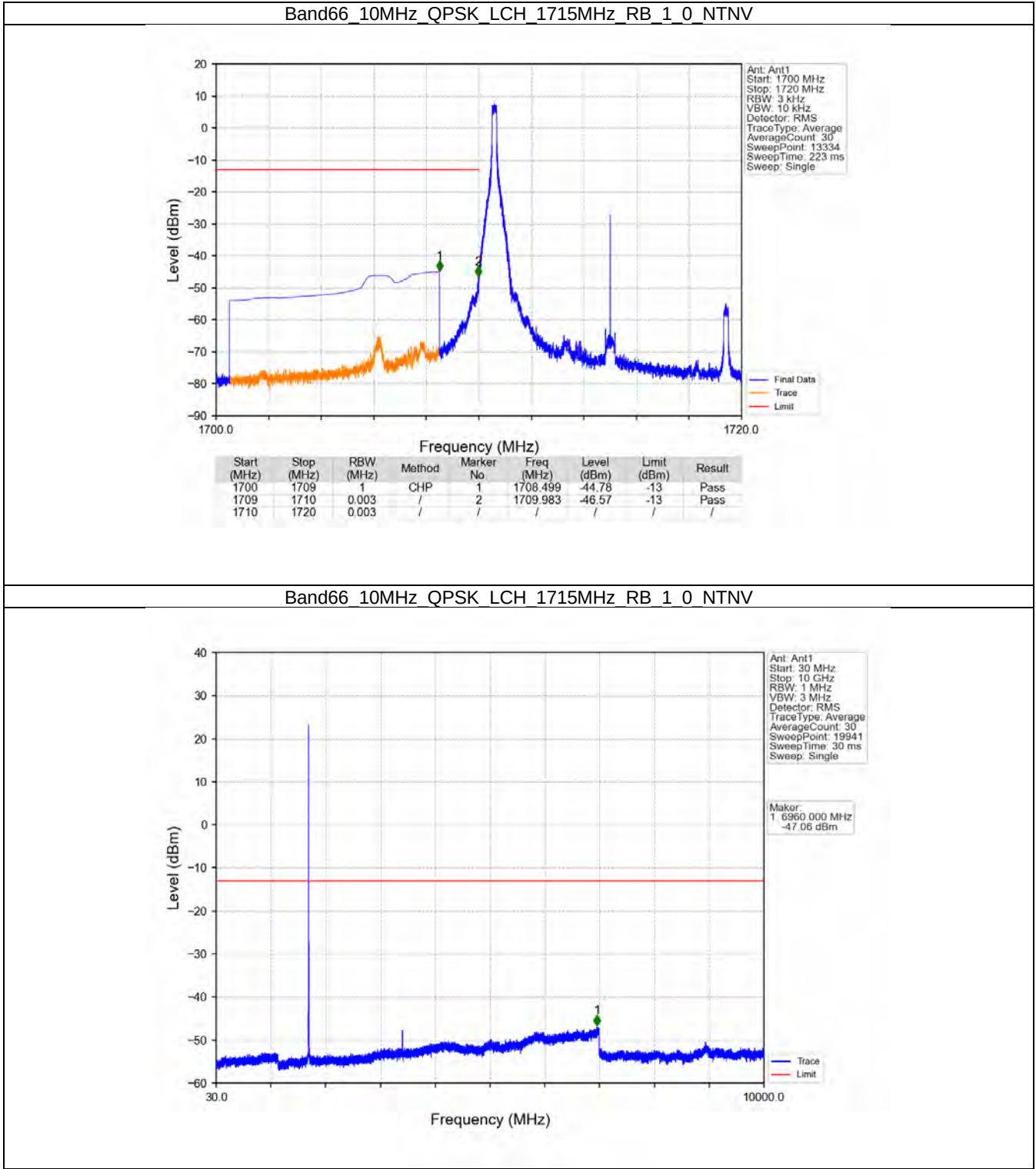


5.4 B66_10MHz

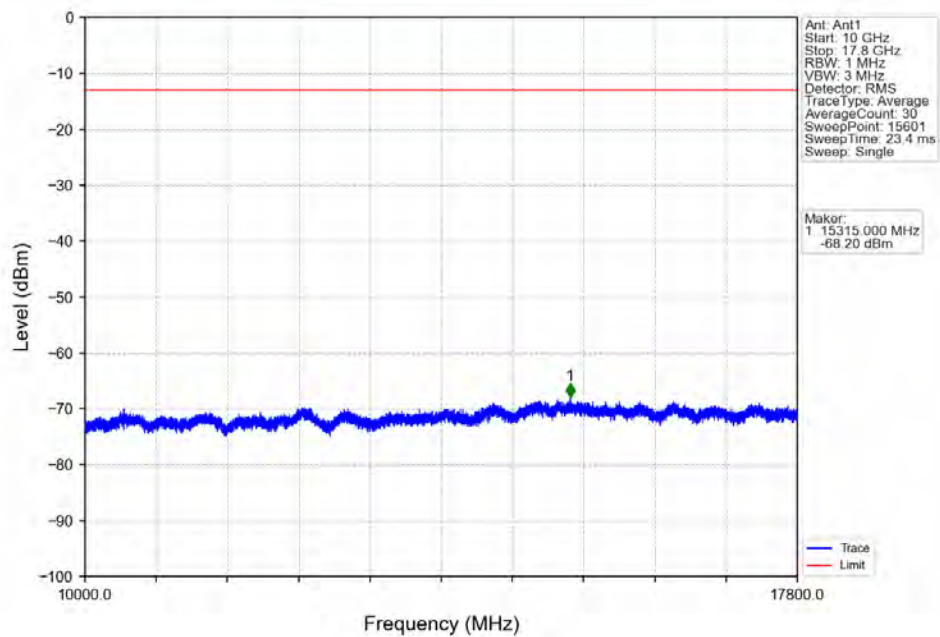
5.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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

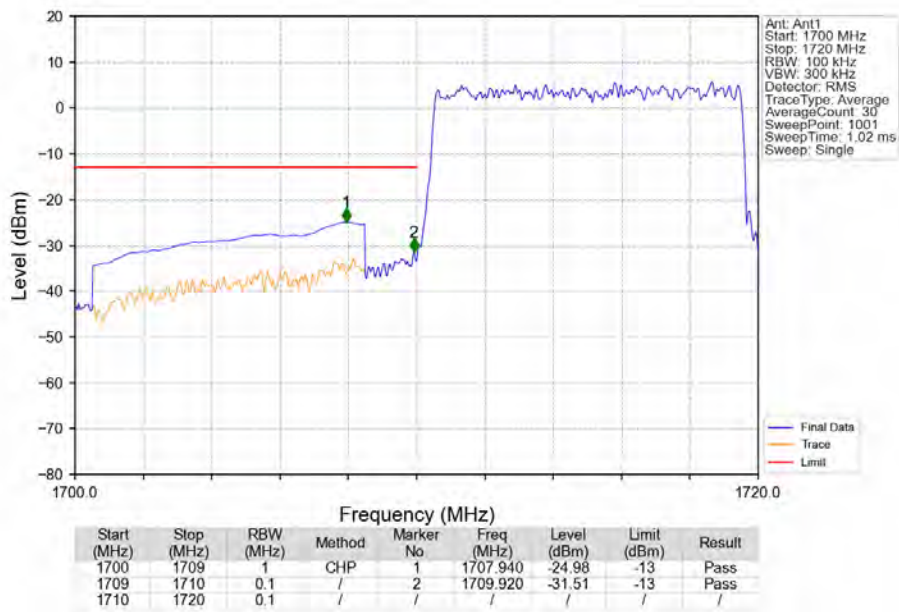
5.4.2 Test Graph



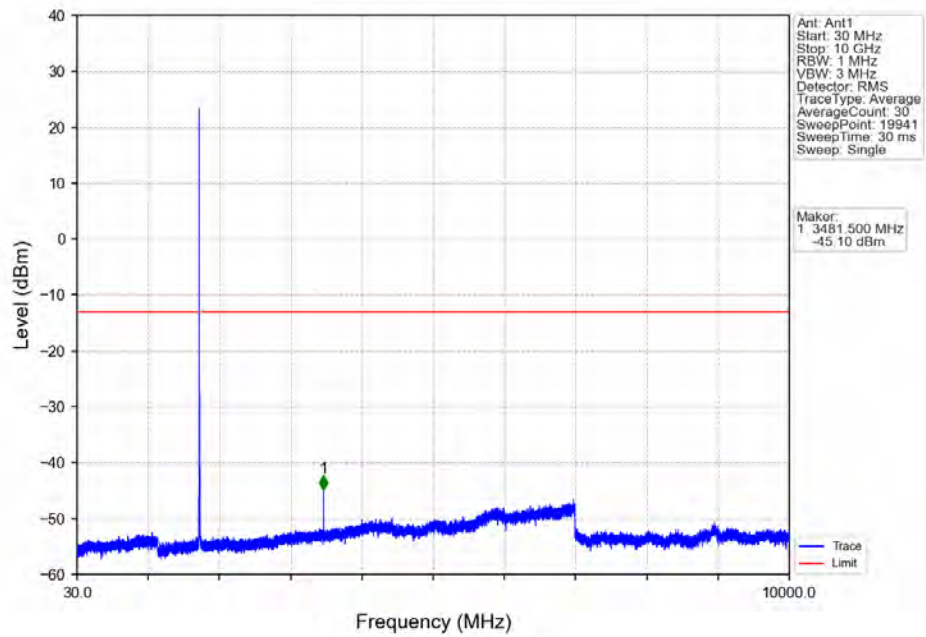
Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



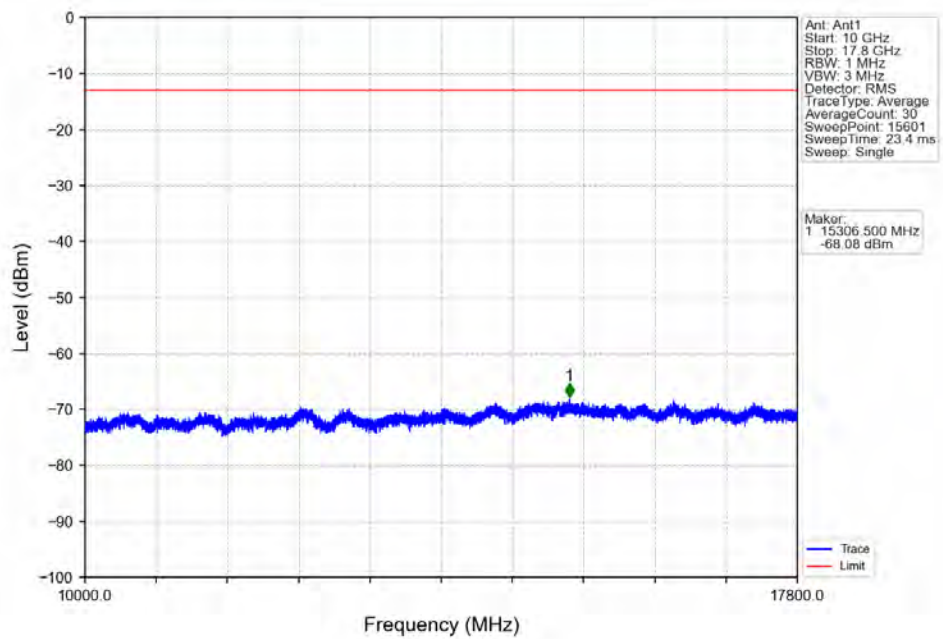
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



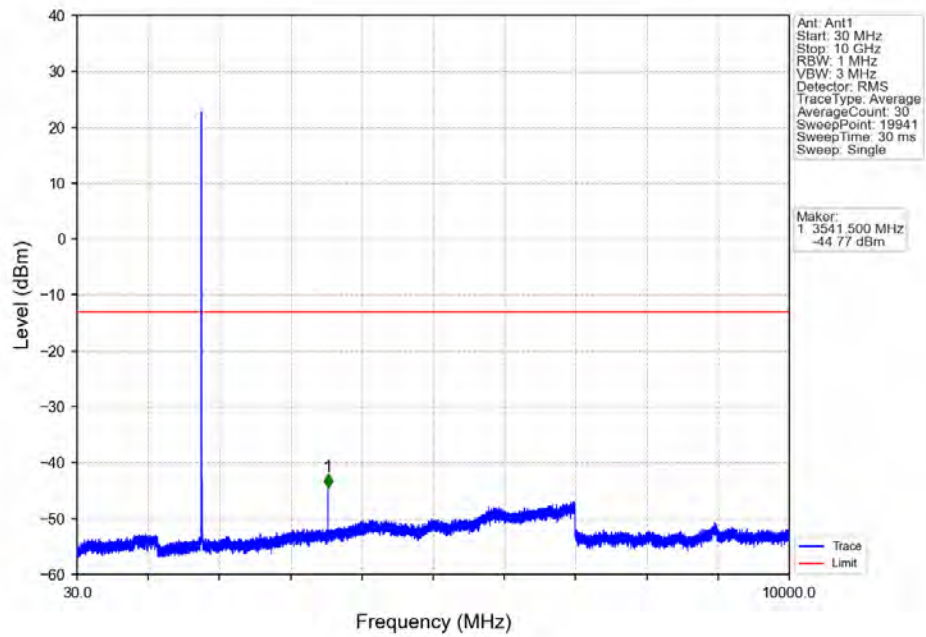
Band66 10MHz QPSK MCH 1745MHz RB 1 0 NTNV



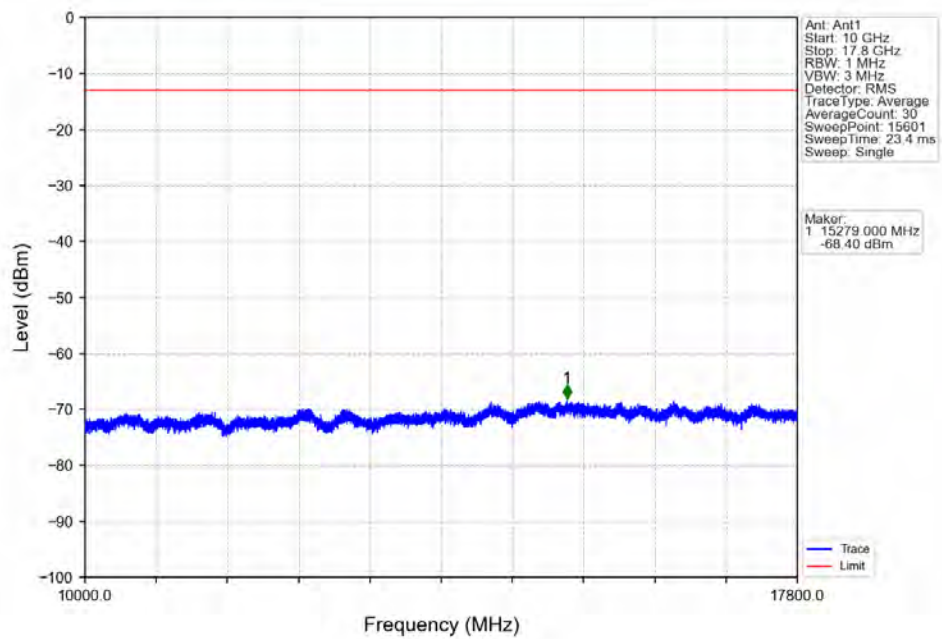
Band66_10MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



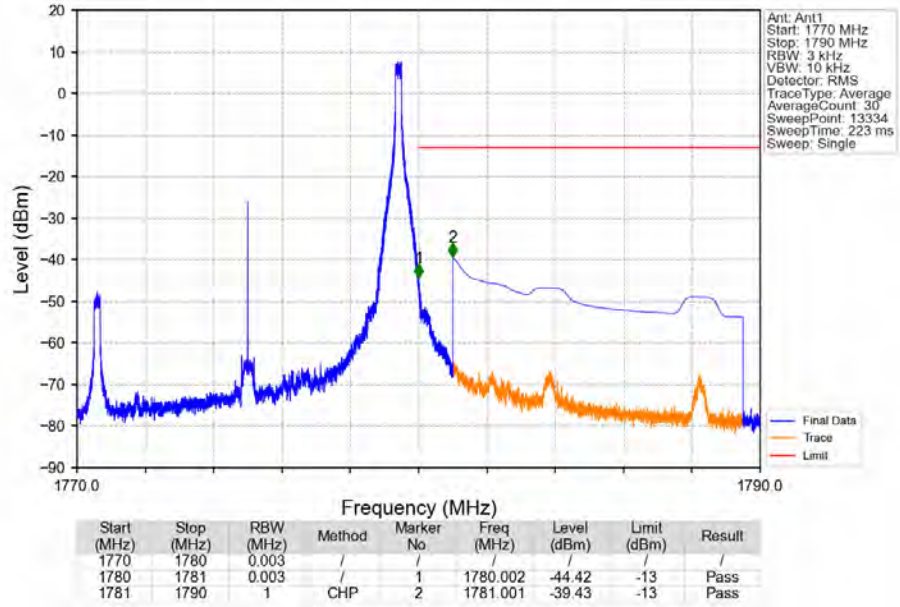
Band66 10MHz QPSK HCH 1775MHz RB 1 0 NTNV



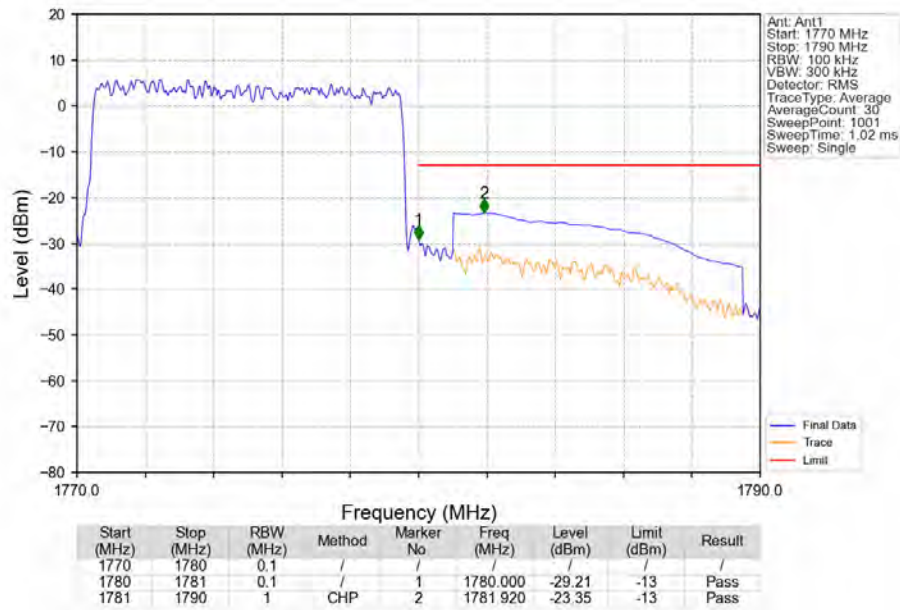
Band66 10MHz QPSK HCH 1775MHz RB 1 0 NTNV



Band66_10MHz_QPSK_HCH_1775MHz_RB_1_49_NTNV



Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV

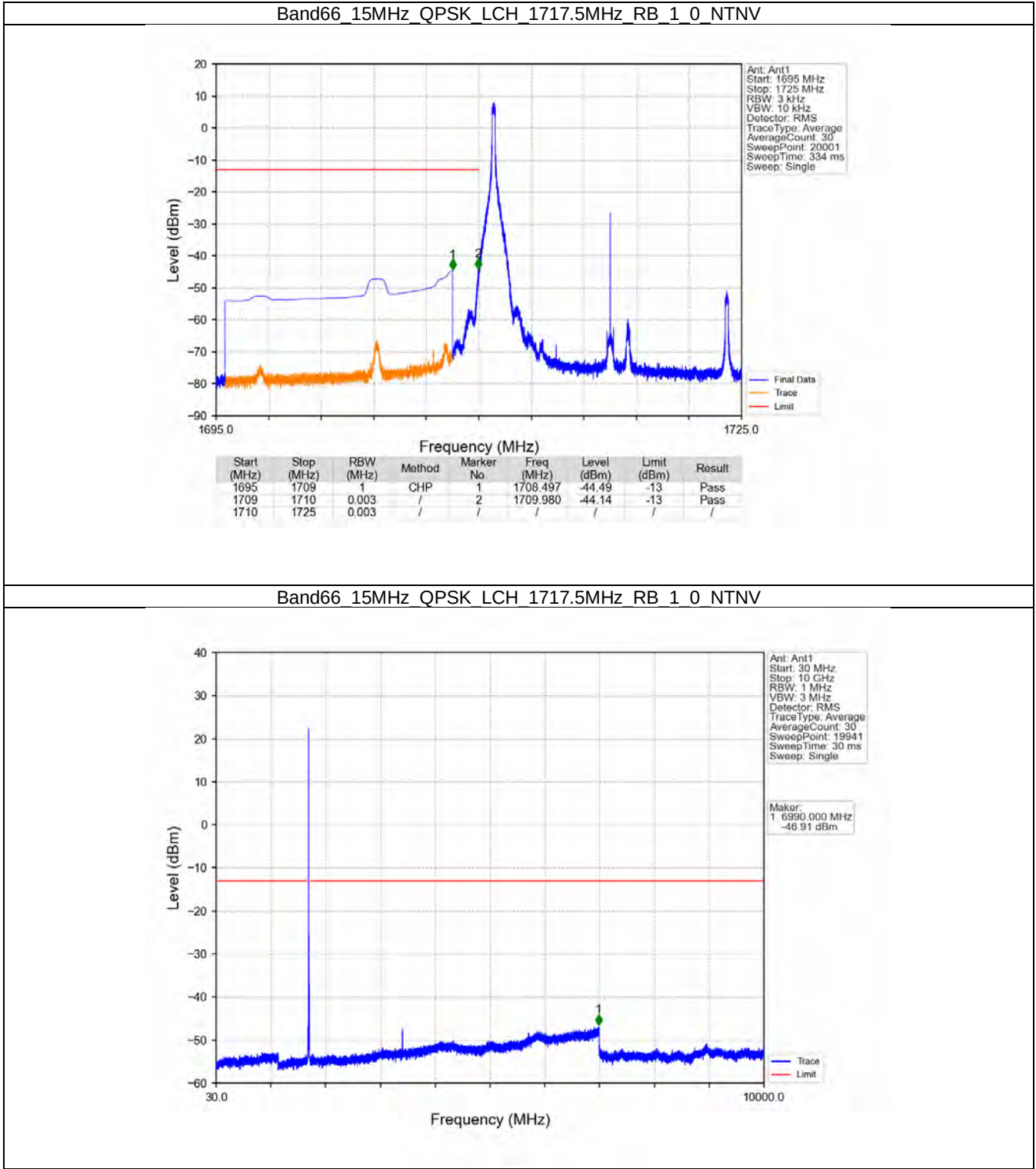


5.5 B66_15MHz

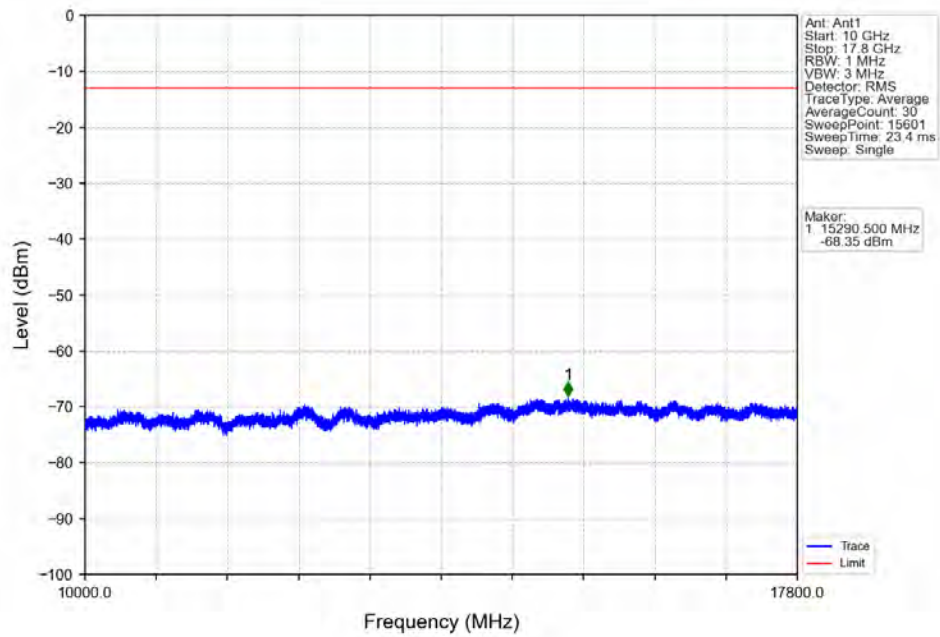
5.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		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

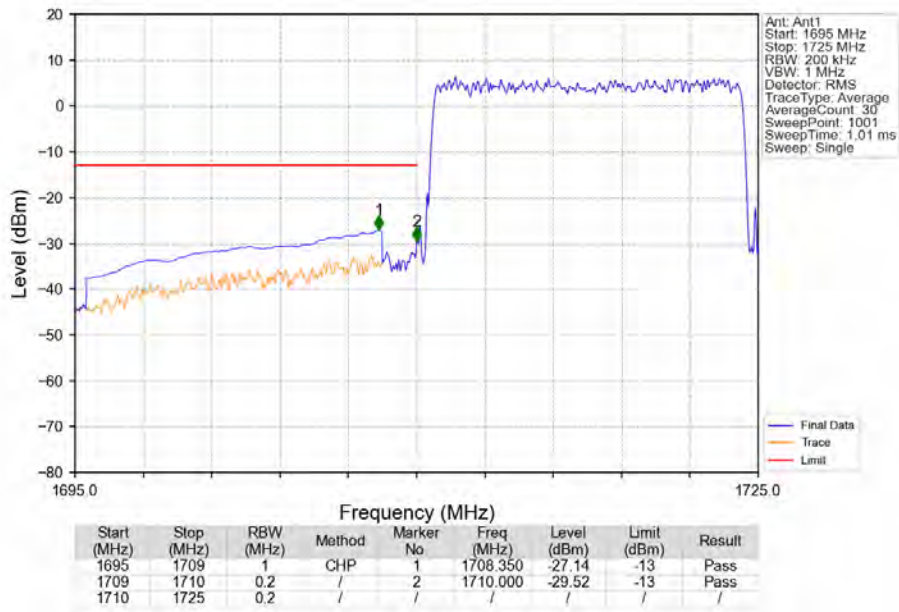
5.5.2 Test Graph



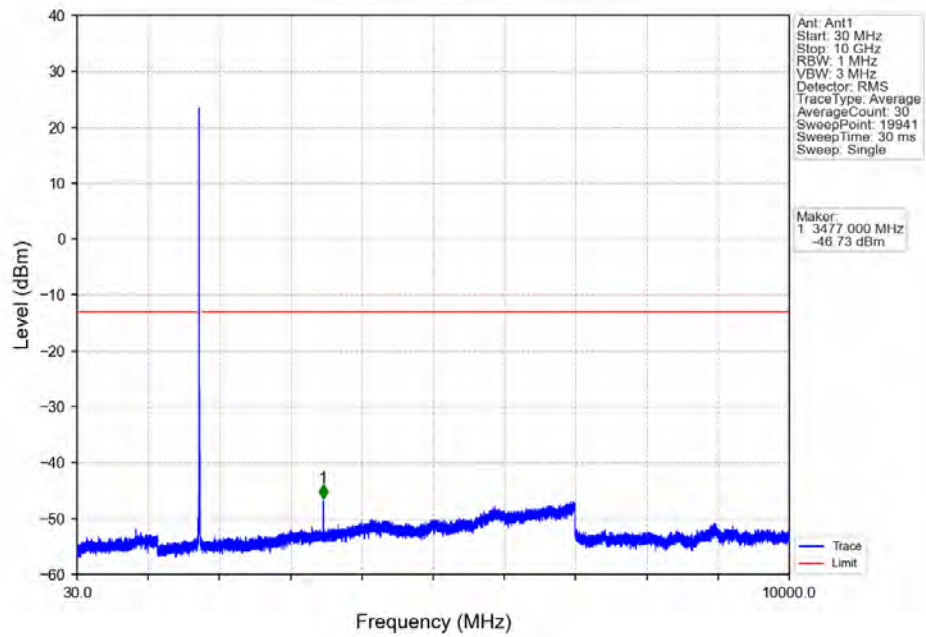
Band66 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV



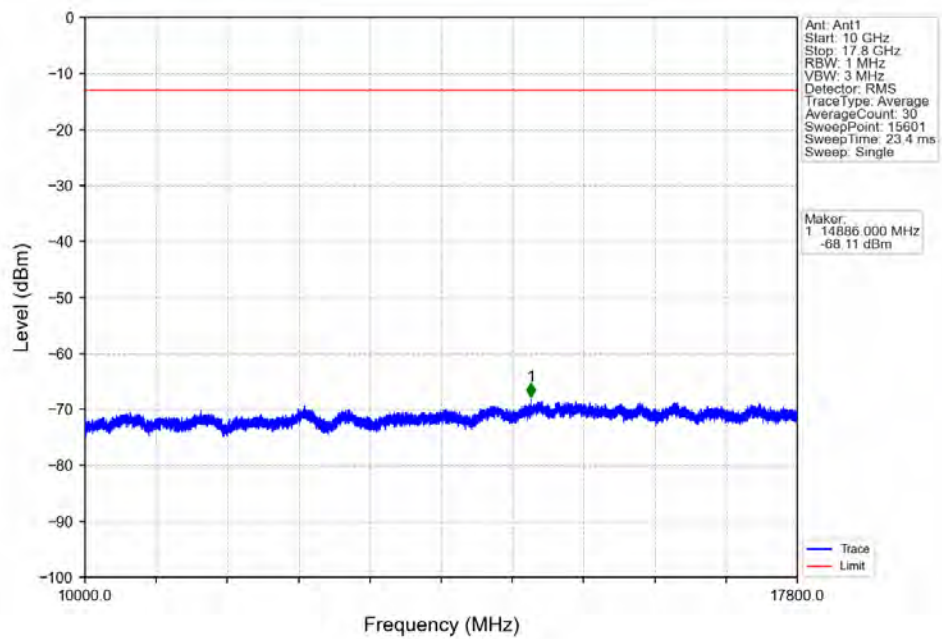
Band66 15MHz_QPSK_LCH_1717.5MHz_RB_75_0 NTNV



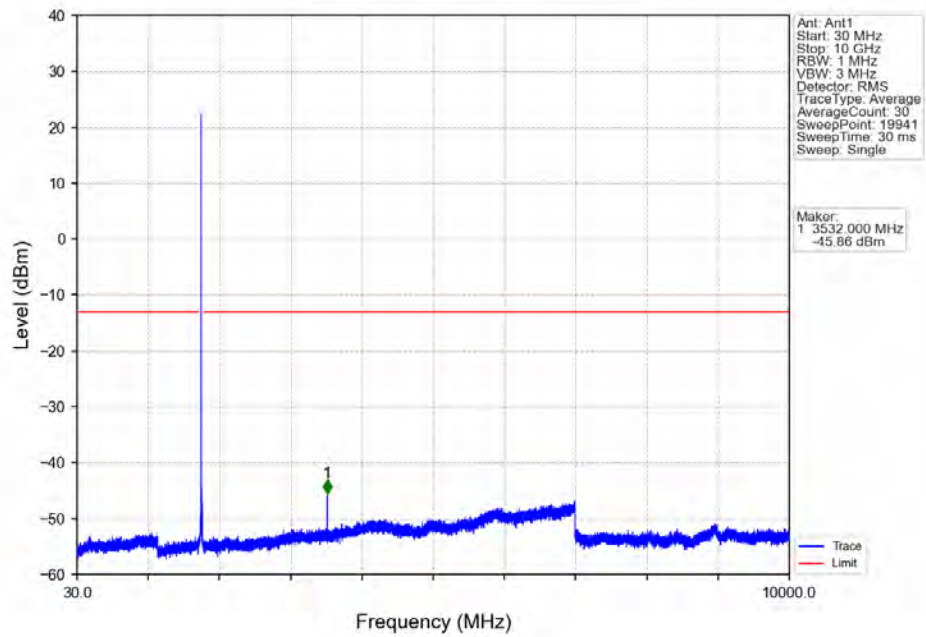
Band66 15MHz QPSK MCH 1745MHz RB 1 0 NTV



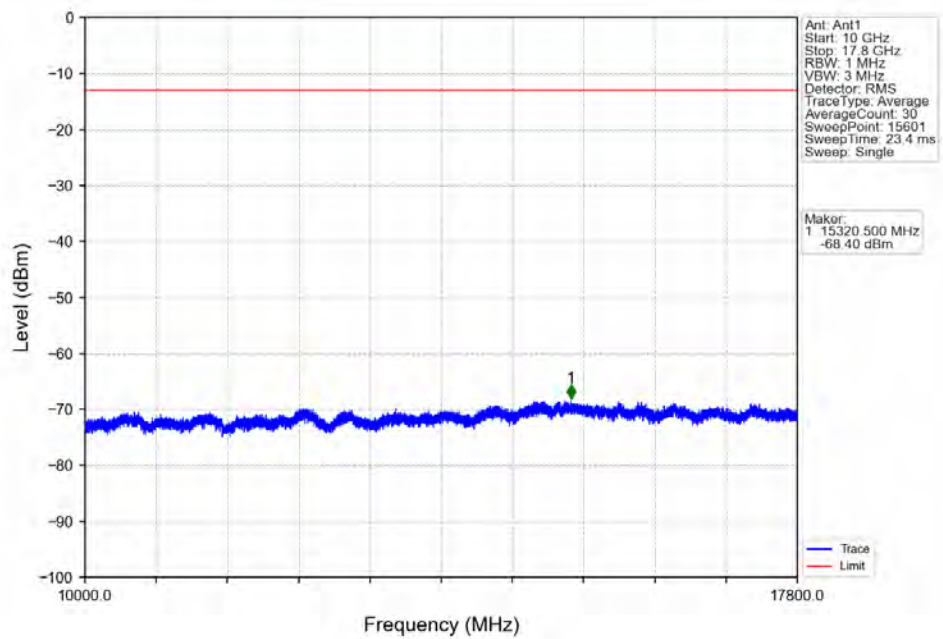
Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTV



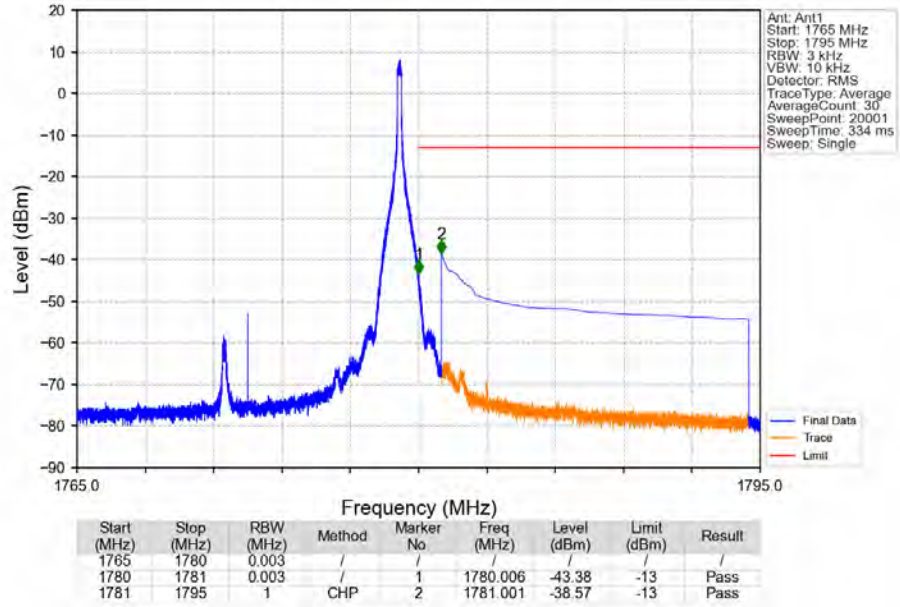
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV



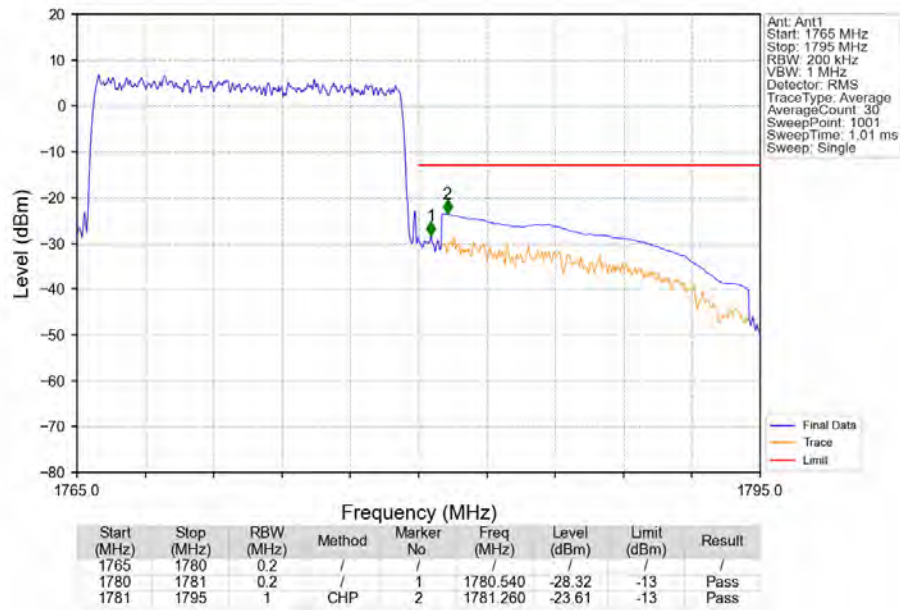
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV



Band66 15MHz QPSK HCH 1772.5MHz RB 1 74 NTN



Band66 15MHz QPSK HCH 1772.5MHz RB 75 0 NTN

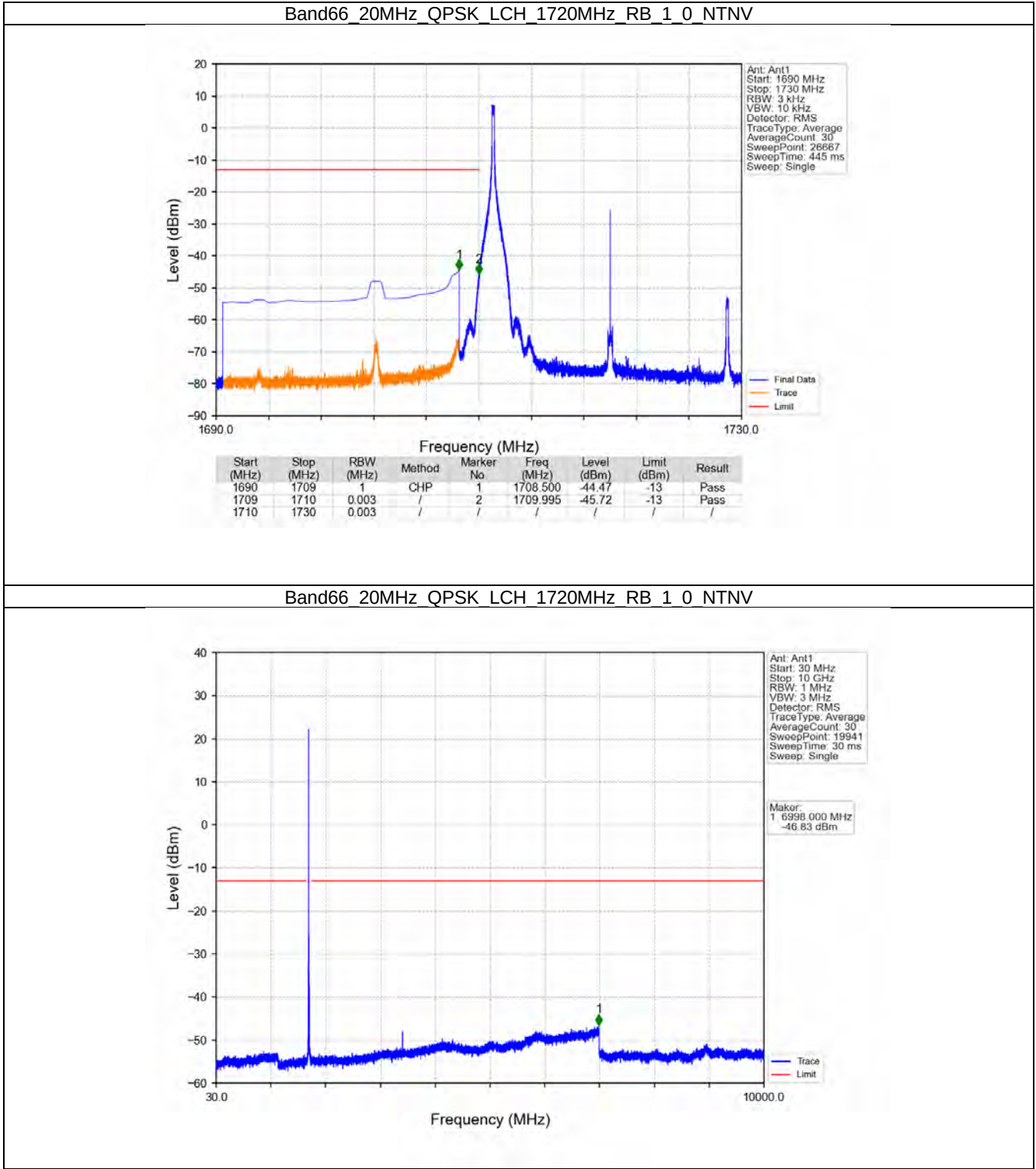


5.6 B66_20MHz

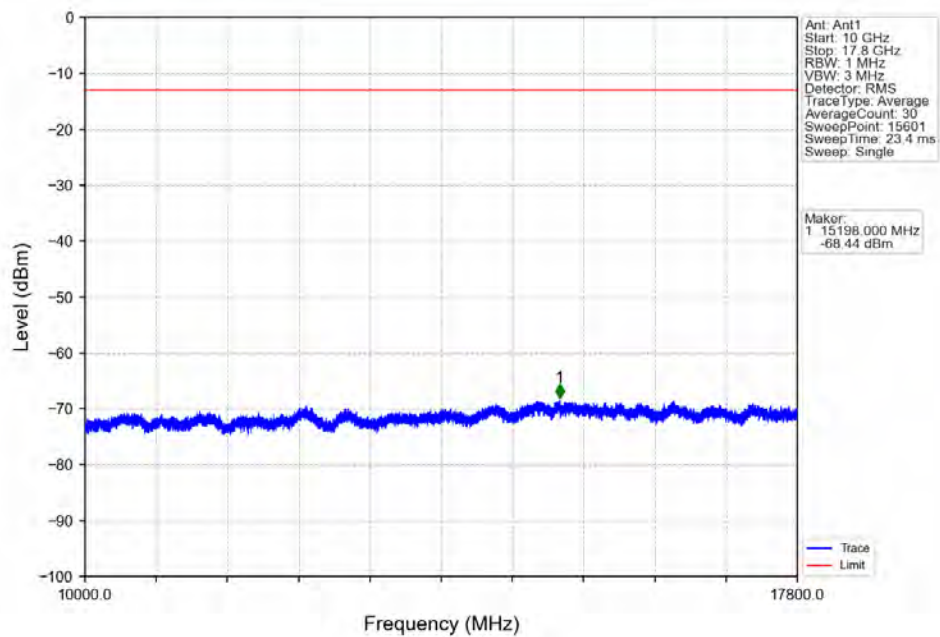
5.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTVN						
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

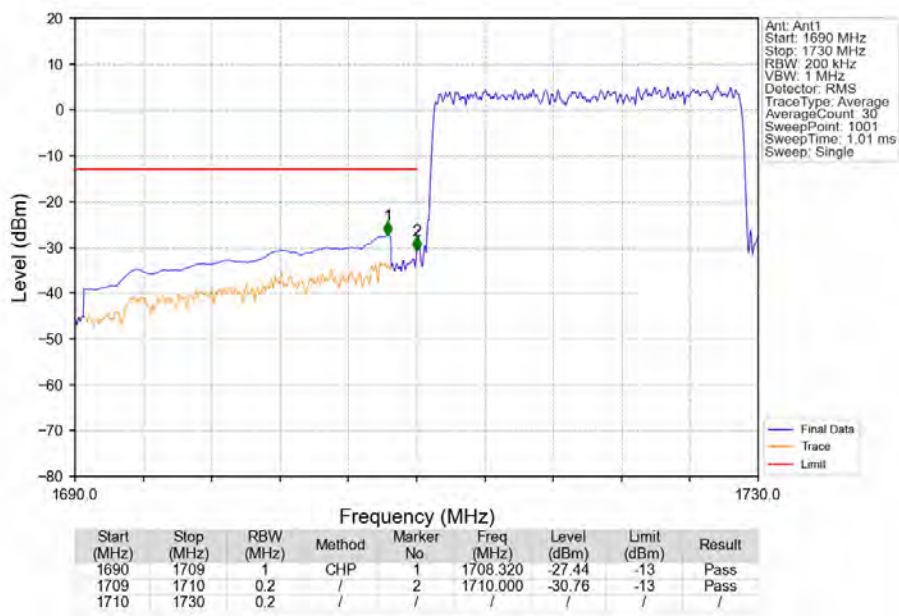
5.6.2 Test Graph



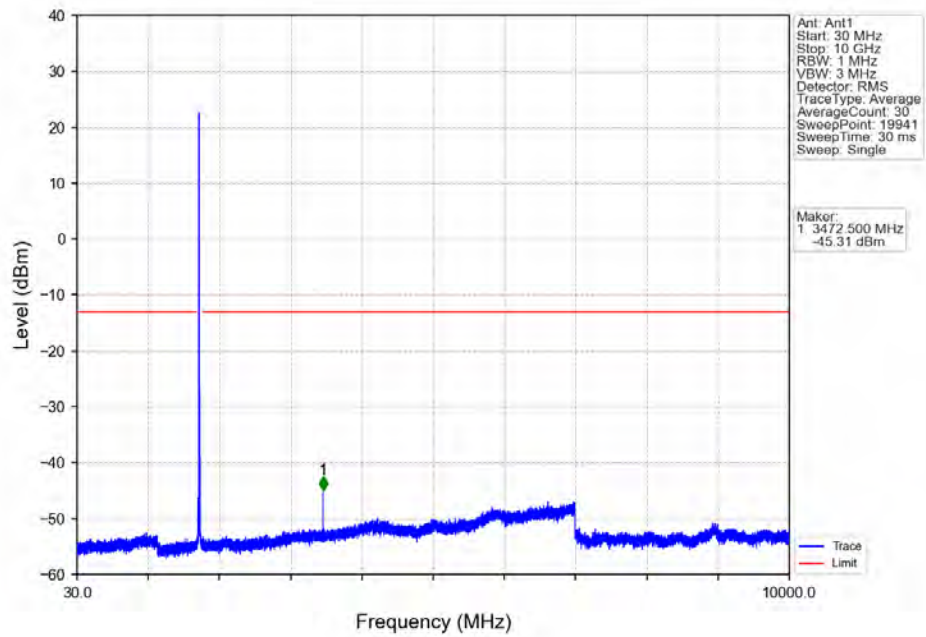
Band66 20MHz QPSK LCH 1720MHz RB 1 0 NTNV



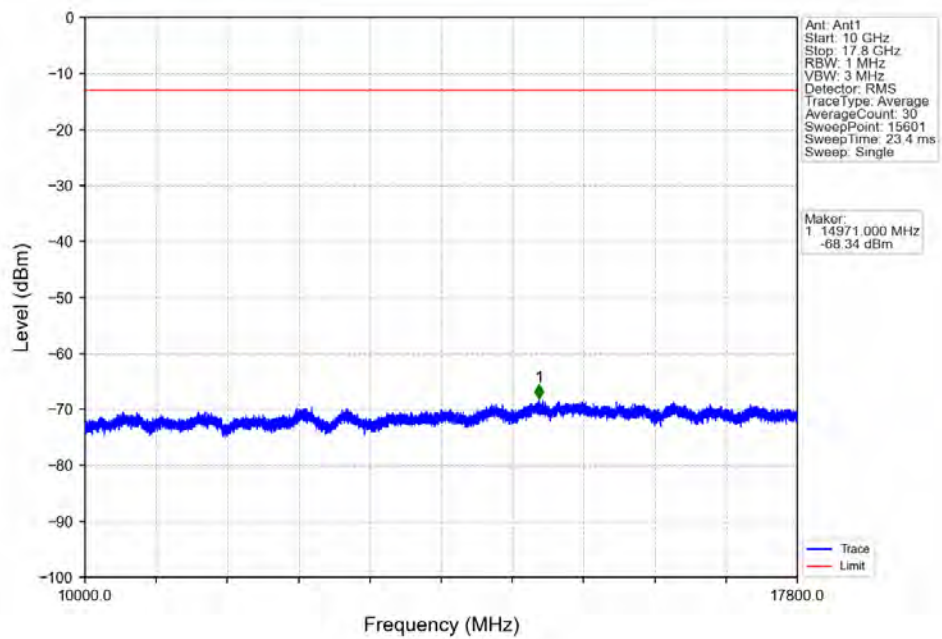
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



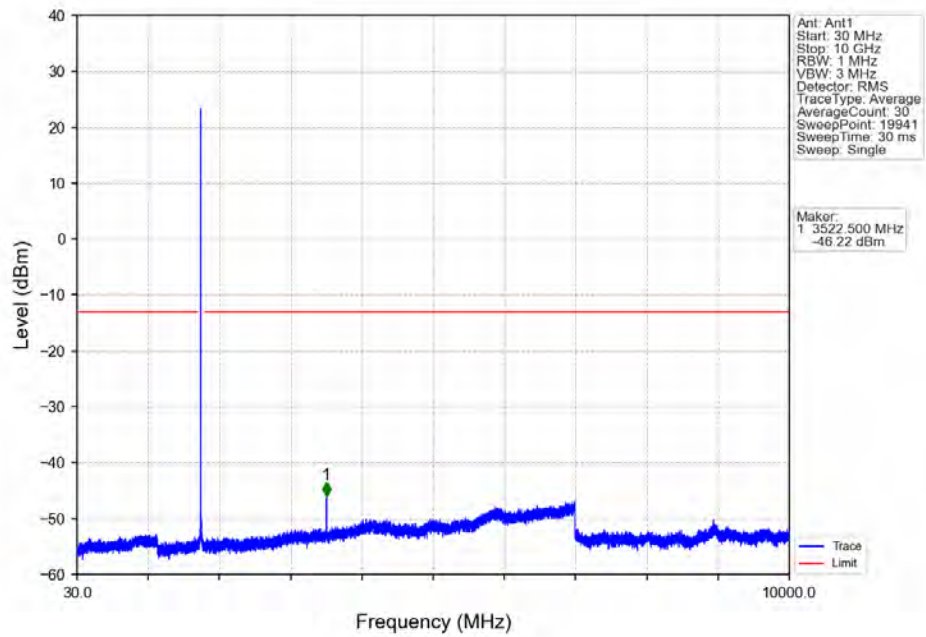
Band66 20MHz QPSK MCH 1745MHz RB 1 0 NTNV



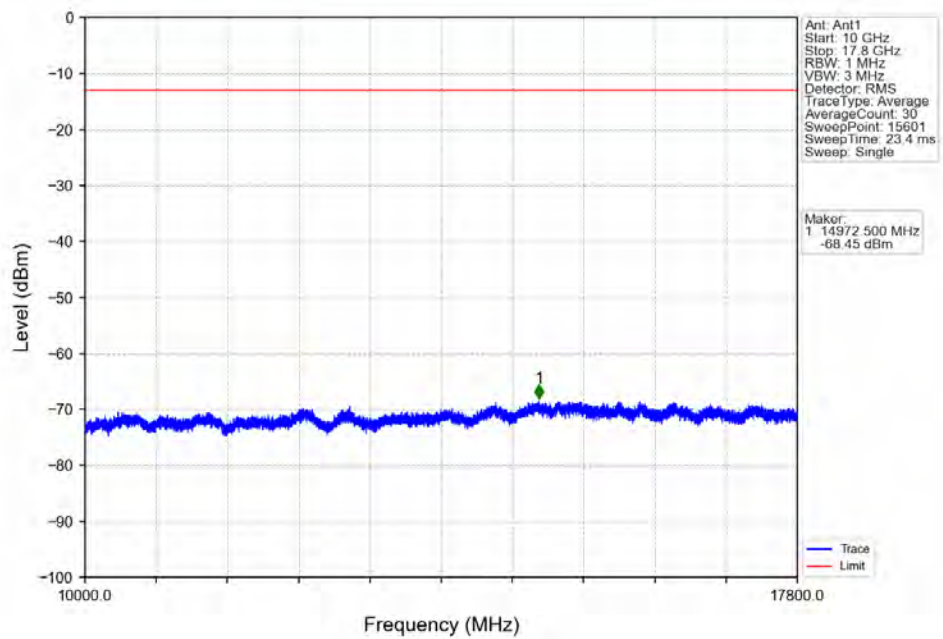
Band66_20MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



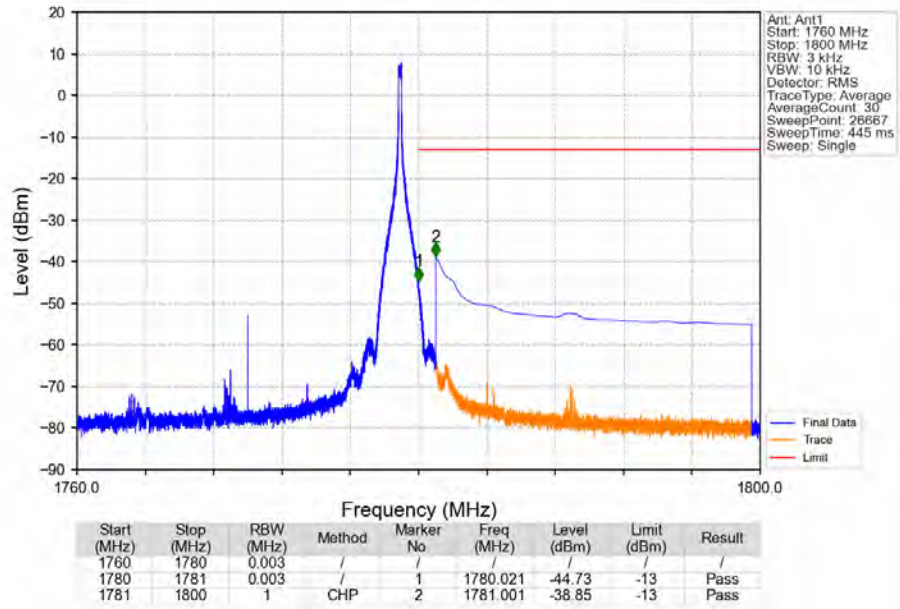
Band66 20MHz QPSK HCH 1770MHz RB 1 0 NTV



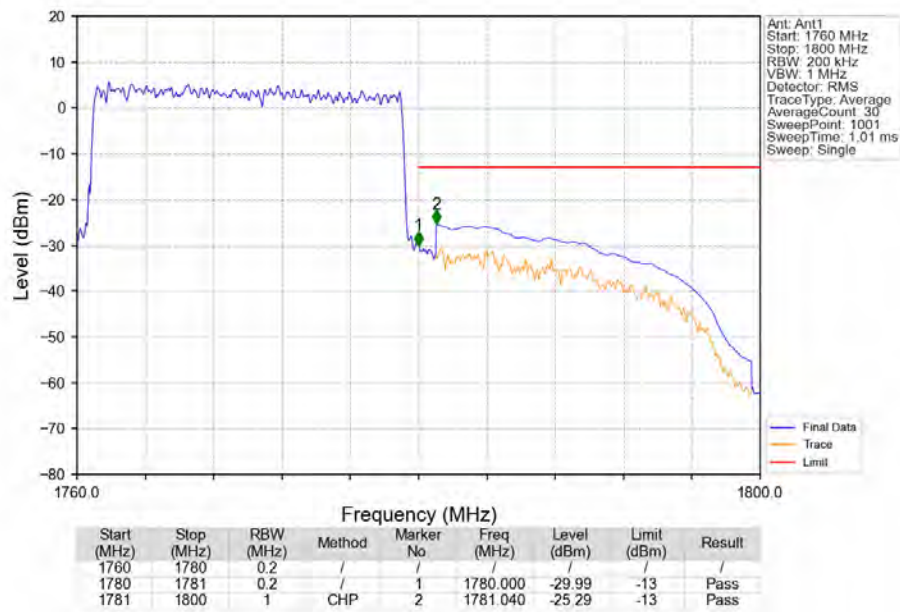
Band66 20MHz QPSK HCH 1770MHz RB 1 0 NTV



Band66 20MHz QPSK HCH 1770MHz RB 1 99 NTNV



Band66 20MHz QPSK HCH 1770MHz RB 100 0 NTNV



6. Field Strength of Spurious Radiation

LTE Band 66 ANT41-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-66.56	-13	-53.56	-71.18	3.36	7.98	Horizontal	Pass
5133.0	-62.05	-13	-49.05	-67.66	4.61	10.22	Horizontal	Pass
6844.0	-61.32	-13	-48.32	-67.35	4.9	10.93	Horizontal	Pass
3422.0	-66.88	-13	-53.88	-71.5	3.36	7.98	Vertical	Pass
5133.0	-62.47	-13	-49.47	-68.08	4.61	10.22	Vertical	Pass
6844.0	-61.46	-13	-48.46	-67.49	4.9	10.93	Vertical	Pass

LTE Band 66 ANT41- Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-67.75	-13	-54.75	-72.46	3.39	8.1	Horizontal	Pass
5208.0	-61.67	-13	-48.67	-67.3	4.64	10.27	Horizontal	Pass
6944.0	-62.06	-13	-49.06	-68.21	4.91	11.06	Horizontal	Pass
3472.0	-68.15	-13	-55.15	-72.86	3.39	8.1	Vertical	Pass
5208.0	-64.13	-13	-51.13	-69.76	4.64	10.27	Vertical	Pass
6944.0	-61.75	-13	-48.75	-67.9	4.91	11.06	Vertical	Pass

LTE Band 66 ANT41-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3522.0	-67.46	-13	-54.46	-72.24	3.42	8.2	Horizontal	Pass
5283.0	-62.28	-13	-49.28	-67.94	4.66	10.32	Horizontal	Pass
7044.0	-61.47	-13	-48.47	-67.73	4.92	11.18	Horizontal	Pass
3522.0	-67.62	-13	-54.62	-72.4	3.42	8.2	Vertical	Pass
5283.0	-63.94	-13	-50.94	-69.6	4.66	10.32	Vertical	Pass
7044.0	-61.43	-13	-48.43	-67.69	4.92	11.18	Vertical	Pass

1) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---