

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B66_1.4MHz_EIRP

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	23.52	2.17	25.69	<=30	Pass
			2	23.39	2.17	25.56	<=30	Pass
			5	23.41	2.17	25.58	<=30	Pass
		3	0	23.38	2.17	25.55	<=30	Pass
			2	23.36	2.17	25.53	<=30	Pass
			3	23.31	2.17	25.48	<=30	Pass
		6	0	22.43	2.17	24.60	<=30	Pass
	1745	1	0	23.56	2.17	25.73	<=30	Pass
			2	23.60	2.17	25.77	<=30	Pass
			5	23.60	2.17	25.77	<=30	Pass
		3	0	23.53	2.17	25.70	<=30	Pass
			2	23.58	2.17	25.75	<=30	Pass
			3	23.59	2.17	25.76	<=30	Pass
		6	0	22.60	2.17	24.77	<=30	Pass
	1779.3	1	0	23.29	2.17	25.46	<=30	Pass
			2	23.39	2.17	25.56	<=30	Pass
			5	23.32	2.17	25.49	<=30	Pass
		3	0	23.35	2.17	25.52	<=30	Pass
			2	23.33	2.17	25.50	<=30	Pass
			3	23.31	2.17	25.48	<=30	Pass
		6	0	22.37	2.17	24.54	<=30	Pass
16QAM	1710.7	1	0	22.48	2.17	24.65	<=30	Pass
			2	22.45	2.17	24.62	<=30	Pass
			5	22.46	2.17	24.63	<=30	Pass
		3	0	22.43	2.17	24.60	<=30	Pass
			2	22.42	2.17	24.59	<=30	Pass
			3	22.39	2.17	24.56	<=30	Pass
		6	0	21.50	2.17	23.67	<=30	Pass
	1745	1	0	22.43	2.17	24.60	<=30	Pass
			2	22.45	2.17	24.62	<=30	Pass
			5	22.48	2.17	24.65	<=30	Pass
		3	0	22.68	2.17	24.85	<=30	Pass
			2	22.72	2.17	24.89	<=30	Pass
			3	22.71	2.17	24.88	<=30	Pass
		6	0	21.71	2.17	23.88	<=30	Pass
	1779.3	1	0	22.36	2.17	24.53	<=30	Pass
			2	22.37	2.17	24.54	<=30	Pass
			5	22.36	2.17	24.53	<=30	Pass
		3	0	22.25	2.17	24.42	<=30	Pass
			2	22.28	2.17	24.45	<=30	Pass
			3	22.25	2.17	24.42	<=30	Pass
		6	0	21.39	2.17	23.56	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B66_3MHz_EIRP

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	23.43	2.17	25.60	<=30	Pass
			7	23.42	2.17	25.59	<=30	Pass
			14	23.05	2.17	25.22	<=30	Pass
		8	0	22.43	2.17	24.60	<=30	Pass
			4	22.39	2.17	24.56	<=30	Pass
			7	22.26	2.17	24.43	<=30	Pass
		15	0	22.32	2.17	24.49	<=30	Pass
	1745	1	0	23.23	2.17	25.40	<=30	Pass
			7	23.63	2.17	25.80	<=30	Pass
			14	23.49	2.17	25.66	<=30	Pass
		8	0	22.55	2.17	24.72	<=30	Pass
			4	22.53	2.17	24.70	<=30	Pass
			7	22.52	2.17	24.69	<=30	Pass
		15	0	22.49	2.17	24.66	<=30	Pass
	1778.5	1	0	23.27	2.17	25.44	<=30	Pass
			7	23.35	2.17	25.52	<=30	Pass
			14	23.10	2.17	25.27	<=30	Pass
		8	0	22.33	2.17	24.50	<=30	Pass
			4	22.35	2.17	24.52	<=30	Pass
			7	22.30	2.17	24.47	<=30	Pass
		15	0	22.31	2.17	24.48	<=30	Pass
16QAM	1711.5	1	0	22.38	2.17	24.55	<=30	Pass
			7	22.41	2.17	24.58	<=30	Pass
			14	22.08	2.17	24.25	<=30	Pass
		8	0	21.49	2.17	23.66	<=30	Pass
			4	21.47	2.17	23.64	<=30	Pass
			7	21.35	2.17	23.52	<=30	Pass
		15	0	21.36	2.17	23.53	<=30	Pass
	1745	1	0	22.14	2.17	24.31	<=30	Pass
			7	22.39	2.17	24.56	<=30	Pass
			14	22.25	2.17	24.42	<=30	Pass
		8	0	21.55	2.17	23.72	<=30	Pass
			4	21.65	2.17	23.82	<=30	Pass
			7	21.63	2.17	23.80	<=30	Pass
		15	0	21.59	2.17	23.76	<=30	Pass
	1778.5	1	0	22.52	2.17	24.69	<=30	Pass
			7	22.63	2.17	24.80	<=30	Pass
			14	22.39	2.17	24.56	<=30	Pass
		8	0	21.45	2.17	23.62	<=30	Pass
			4	21.48	2.17	23.65	<=30	Pass
			7	21.43	2.17	23.60	<=30	Pass
		15	0	21.36	2.17	23.53	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B66_5MHz_EIRP

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	23.54	2.17	25.71	<=30	Pass
			13	23.21	2.17	25.38	<=30	Pass
			24	23.17	2.17	25.34	<=30	Pass
		12	0	22.42	2.17	24.59	<=30	Pass
			6	22.30	2.17	24.47	<=30	Pass
			13	22.22	2.17	24.39	<=30	Pass
		25	0	22.32	2.17	24.49	<=30	Pass
	1745	1	0	23.58	2.17	25.75	<=30	Pass
			13	23.67	2.17	25.84	<=30	Pass
			24	23.72	2.17	25.89	<=30	Pass
		12	0	22.63	2.17	24.80	<=30	Pass
			6	22.68	2.17	24.85	<=30	Pass
			13	22.74	2.17	24.91	<=30	Pass
		25	0	22.69	2.17	24.86	<=30	Pass
	1777.5	1	0	23.42	2.17	25.59	<=30	Pass
			13	23.52	2.17	25.69	<=30	Pass
			24	23.43	2.17	25.60	<=30	Pass
		12	0	22.59	2.17	24.76	<=30	Pass
			6	22.57	2.17	24.74	<=30	Pass
			13	22.55	2.17	24.72	<=30	Pass
		25	0	22.45	2.17	24.62	<=30	Pass
16QAM	1712.5	1	0	22.70	2.17	24.87	<=30	Pass
			13	22.49	2.17	24.66	<=30	Pass
			24	22.40	2.17	24.57	<=30	Pass
		12	0	21.55	2.17	23.72	<=30	Pass
			6	21.44	2.17	23.61	<=30	Pass
			13	21.36	2.17	23.53	<=30	Pass
		25	0	21.49	2.17	23.66	<=30	Pass
	1745	1	0	22.71	2.17	24.88	<=30	Pass
			13	22.82	2.17	24.99	<=30	Pass
			24	22.86	2.17	25.03	<=30	Pass
		12	0	21.73	2.17	23.90	<=30	Pass
			6	21.66	2.17	23.83	<=30	Pass
			13	21.74	2.17	23.91	<=30	Pass
		25	0	21.69	2.17	23.86	<=30	Pass
	1777.5	1	0	22.64	2.17	24.81	<=30	Pass
			13	22.67	2.17	24.84	<=30	Pass
			24	22.60	2.17	24.77	<=30	Pass
		12	0	21.56	2.17	23.73	<=30	Pass
			6	21.53	2.17	23.70	<=30	Pass
			13	21.50	2.17	23.67	<=30	Pass
		25	0	21.57	2.17	23.74	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B66_10MHz_EIRP

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	23.73	2.17	25.90	<=30	Pass
			25	23.39	2.17	25.56	<=30	Pass
			49	23.45	2.17	25.62	<=30	Pass
		25	0	22.54	2.17	24.71	<=30	Pass
			13	22.37	2.17	24.54	<=30	Pass
			25	22.37	2.17	24.54	<=30	Pass
		50	0	22.46	2.17	24.63	<=30	Pass
	1745	1	0	23.50	2.17	25.67	<=30	Pass
			25	23.71	2.17	25.88	<=30	Pass
			49	23.80	2.17	25.97	<=30	Pass
		25	0	22.60	2.17	24.77	<=30	Pass
			13	22.75	2.17	24.92	<=30	Pass
			25	22.82	2.17	24.99	<=30	Pass
		50	0	22.75	2.17	24.92	<=30	Pass
	1775	1	0	23.50	2.17	25.67	<=30	Pass
			25	23.61	2.17	25.78	<=30	Pass
			49	23.55	2.17	25.72	<=30	Pass
		25	0	22.58	2.17	24.75	<=30	Pass
			13	22.65	2.17	24.82	<=30	Pass
			25	22.65	2.17	24.82	<=30	Pass
		50	0	22.66	2.17	24.83	<=30	Pass
16QAM	1715	1	0	22.96	2.17	25.13	<=30	Pass
			25	22.67	2.17	24.84	<=30	Pass
			49	22.74	2.17	24.91	<=30	Pass
		12	0	22.71	2.17	24.88	<=30	Pass
			19	22.45	2.17	24.62	<=30	Pass
			38	22.47	2.17	24.64	<=30	Pass
		27	0	21.50	2.17	23.67	<=30	Pass
	1745	1	0	22.50	2.17	24.67	<=30	Pass
			25	22.74	2.17	24.91	<=30	Pass
			49	22.84	2.17	25.01	<=30	Pass
		12	0	22.50	2.17	24.67	<=30	Pass
			19	22.72	2.17	24.89	<=30	Pass
			38	22.79	2.17	24.96	<=30	Pass
		27	0	21.78	2.17	23.95	<=30	Pass
	1775	1	0	22.33	2.17	24.50	<=30	Pass
			25	22.47	2.17	24.64	<=30	Pass
			49	22.42	2.17	24.59	<=30	Pass
		12	0	22.59	2.17	24.76	<=30	Pass
			19	22.69	2.17	24.86	<=30	Pass
			38	22.68	2.17	24.85	<=30	Pass
		27	23	21.80	2.17	23.97	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B66_15MHz_EIRP

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	23.65	2.17	25.82	<=30	Pass
			38	23.36	2.17	25.53	<=30	Pass
			74	23.60	2.17	25.77	<=30	Pass
		36	0	22.39	2.17	24.56	<=30	Pass
			18	22.33	2.17	24.50	<=30	Pass
			39	22.62	2.17	24.79	<=30	Pass
		75	0	22.52	2.17	24.69	<=30	Pass
	1745	1	0	23.48	2.17	25.65	<=30	Pass
			38	23.79	2.17	25.96	<=30	Pass
			74	23.66	2.17	25.83	<=30	Pass
		36	0	22.58	2.17	24.75	<=30	Pass
			18	22.71	2.17	24.88	<=30	Pass
			39	22.83	2.17	25.00	<=30	Pass
		75	0	22.68	2.17	24.85	<=30	Pass
	1772.5	1	0	23.50	2.17	25.67	<=30	Pass
			38	23.75	2.17	25.92	<=30	Pass
			74	23.68	2.17	25.85	<=30	Pass
		36	0	22.52	2.17	24.69	<=30	Pass
			18	22.71	2.17	24.88	<=30	Pass
			39	22.74	2.17	24.91	<=30	Pass
		75	0	22.59	2.17	24.76	<=30	Pass
16QAM	1717.5	1	0	22.61	2.17	24.78	<=30	Pass
			38	22.32	2.17	24.49	<=30	Pass
			74	22.64	2.17	24.81	<=30	Pass
		12	0	22.52	2.17	24.69	<=30	Pass
			31	22.24	2.17	24.41	<=30	Pass
			63	22.62	2.17	24.79	<=30	Pass
		27	0	21.46	2.17	23.63	<=30	Pass
	1745	1	0	22.40	2.17	24.57	<=30	Pass
			38	22.73	2.17	24.90	<=30	Pass
			74	22.66	2.17	24.83	<=30	Pass
		12	0	22.42	2.17	24.59	<=30	Pass
			31	22.65	2.17	24.82	<=30	Pass
			63	22.76	2.17	24.93	<=30	Pass
		27	0	21.59	2.17	23.76	<=30	Pass
	1772.5	1	0	22.18	2.17	24.35	<=30	Pass
			38	22.66	2.17	24.83	<=30	Pass
			74	22.54	2.17	24.71	<=30	Pass
		12	0	22.17	2.17	24.34	<=30	Pass
			31	22.60	2.17	24.77	<=30	Pass
			63	22.56	2.17	24.73	<=30	Pass
		27	48	21.76	2.17	23.93	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B66_20MHz_EIRP

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	23.72	2.17	25.89	<=30	Pass
			50	23.65	2.17	25.82	<=30	Pass
			99	23.74	2.17	25.91	<=30	Pass
		50	0	22.54	2.17	24.71	<=30	Pass
			25	22.62	2.17	24.79	<=30	Pass
			50	22.81	2.17	24.98	<=30	Pass
		100	0	22.68	2.17	24.85	<=30	Pass
	1745	1	0	23.41	2.17	25.58	<=30	Pass
			50	23.72	2.17	25.89	<=30	Pass
			99	23.57	2.17	25.74	<=30	Pass
		50	0	22.61	2.17	24.78	<=30	Pass
			25	22.77	2.17	24.94	<=30	Pass
			50	22.85	2.17	25.02	<=30	Pass
		100	0	22.73	2.17	24.90	<=30	Pass
	1770	1	0	23.25	2.17	25.42	<=30	Pass
			50	23.54	2.17	25.71	<=30	Pass
			99	23.60	2.17	25.77	<=30	Pass
		50	0	22.29	2.17	24.46	<=30	Pass
			25	22.54	2.17	24.71	<=30	Pass
			50	22.69	2.17	24.86	<=30	Pass
		100	0	22.46	2.17	24.63	<=30	Pass
16QAM	1720	1	0	23.01	2.17	25.18	<=30	Pass
			50	22.94	2.17	25.11	<=30	Pass
			99	23.11	2.17	25.28	<=30	Pass
		12	0	22.61	2.17	24.78	<=30	Pass
			44	22.55	2.17	24.72	<=30	Pass
			88	22.79	2.17	24.96	<=30	Pass
		27	0	21.47	2.17	23.64	<=30	Pass
	1745	1	0	22.77	2.17	24.94	<=30	Pass
			50	23.10	2.17	25.27	<=30	Pass
			99	23.00	2.17	25.17	<=30	Pass
		12	0	22.48	2.17	24.65	<=30	Pass
			44	22.76	2.17	24.93	<=30	Pass
			88	22.69	2.17	24.86	<=30	Pass
		27	0	21.54	2.17	23.71	<=30	Pass
	1770	1	0	22.49	2.17	24.66	<=30	Pass
			50	22.88	2.17	25.05	<=30	Pass
			99	22.90	2.17	25.07	<=30	Pass
		12	0	22.12	2.17	24.29	<=30	Pass
			44	22.49	2.17	24.66	<=30	Pass
			88	22.61	2.17	24.78	<=30	Pass
		27	73	21.73	2.17	23.90	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B66_10MHz

Band: 66 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1745	50	0	20	LV	-3.791	-0.0022	-2.5 to 2.5	Pass
					NV	-1.502	-0.0009	-2.5 to 2.5	Pass
					HV	-0.114	-0.0001	-2.5 to 2.5	Pass
				-30	NV	0.086	0.0000	-2.5 to 2.5	Pass
				-20	NV	0.443	0.0003	-2.5 to 2.5	Pass
				-10	NV	-0.129	-0.0001	-2.5 to 2.5	Pass
				0	NV	-0.801	-0.0005	-2.5 to 2.5	Pass
				10	NV	-0.558	-0.0003	-2.5 to 2.5	Pass
				30	NV	-0.601	-0.0003	-2.5 to 2.5	Pass
				40	NV	-1.402	-0.0008	-2.5 to 2.5	Pass
				50	NV	-0.329	-0.0002	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band66_OBW

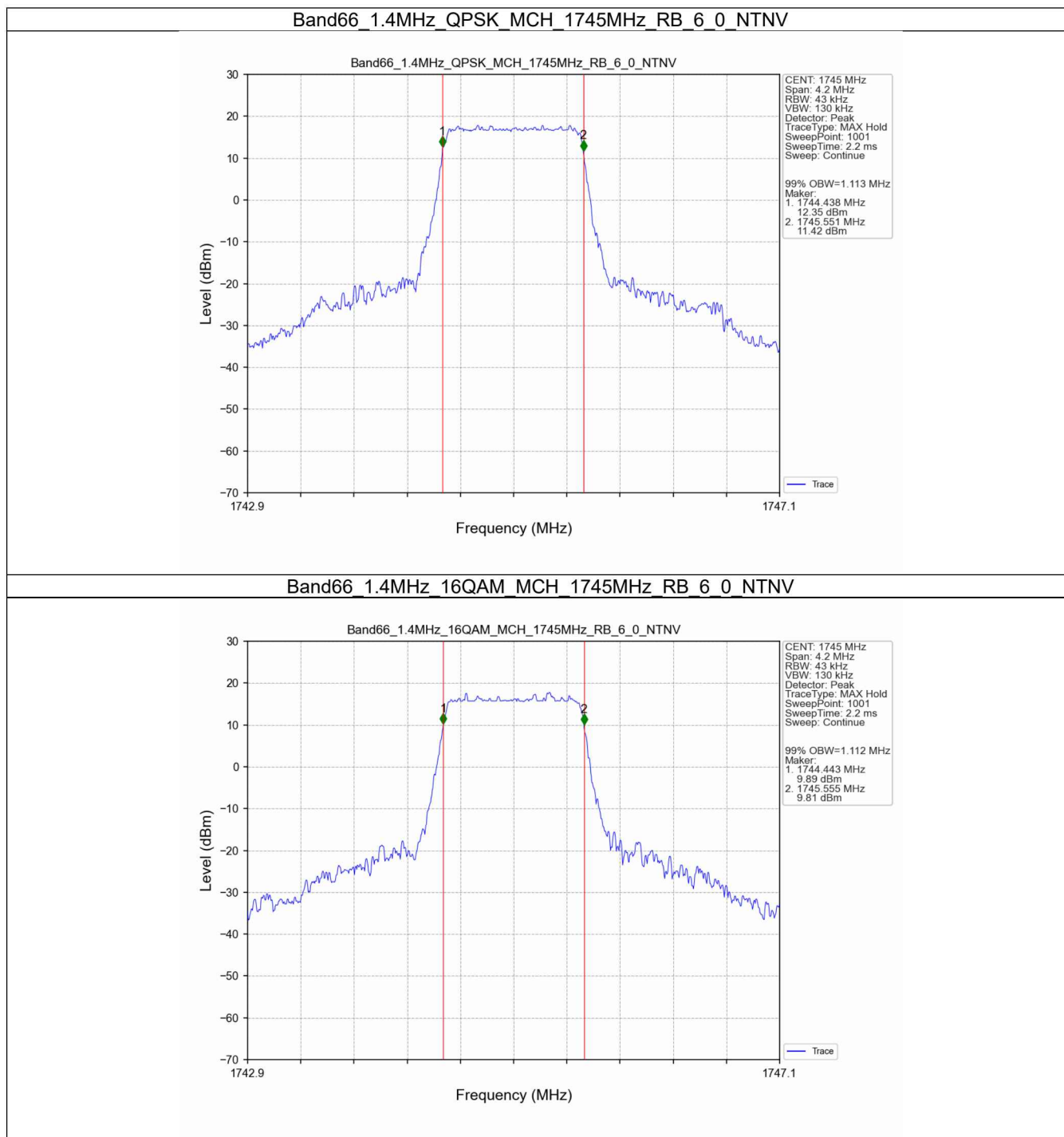
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1745	6	0	1.113	/	Pass
	16QAM	1745	6	0	1.112	/	Pass
3	QPSK	1745	15	0	2.728	/	Pass
	16QAM	1745	15	0	2.749	/	Pass
5	QPSK	1745	25	0	4.586	/	Pass
	16QAM	1745	25	0	4.554	/	Pass
10	QPSK	1745	50	0	9.068	/	Pass
	16QAM	1745	27	0	5.129	/	Pass
15	QPSK	1745	75	0	13.620	/	Pass
	16QAM	1745	27	0	5.438	/	Pass
20	QPSK	1745	100	0	18.110	/	Pass
	16QAM	1745	27	0	5.643	/	Pass

3.1.2 Band66_XDB

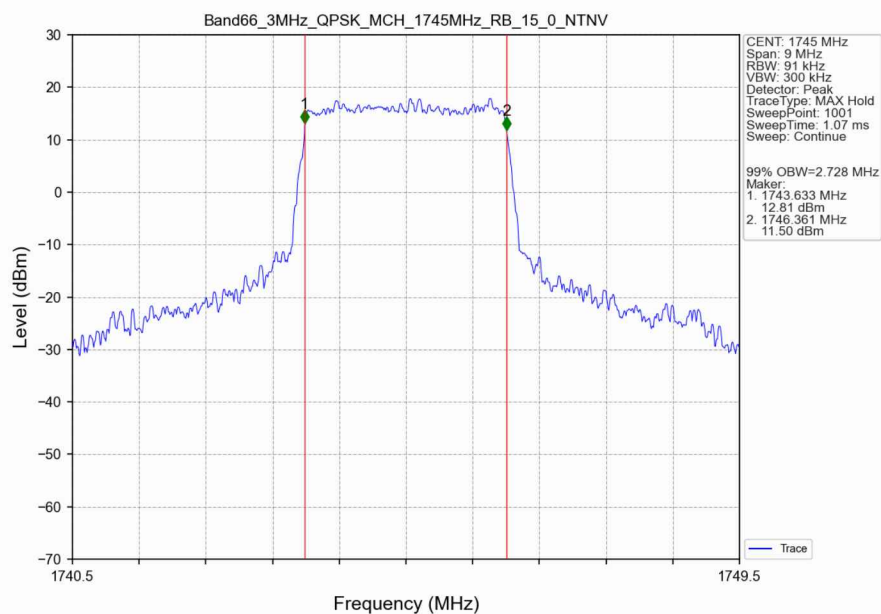
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1745	6	0	1.322	/	Pass
	16QAM	1745	6	0	1.320	/	Pass
3	QPSK	1745	15	0	3.044	/	Pass
	16QAM	1745	15	0	3.068	/	Pass
5	QPSK	1745	25	0	5.493	/	Pass
	16QAM	1745	25	0	5.757	/	Pass
10	QPSK	1745	50	0	10.291	/	Pass
	16QAM	1745	27	0	6.437	/	Pass
15	QPSK	1745	75	0	15.603	/	Pass
	16QAM	1745	27	0	7.452	/	Pass
20	QPSK	1745	100	0	20.334	/	Pass
	16QAM	1745	27	0	7.490	/	Pass

3.2 Test Graph

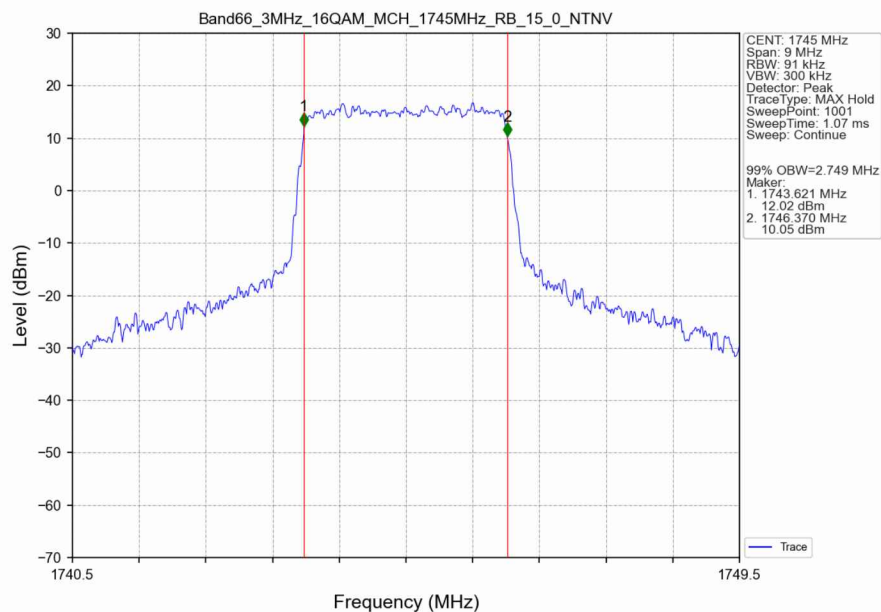
3.2.1 Band66_OBW



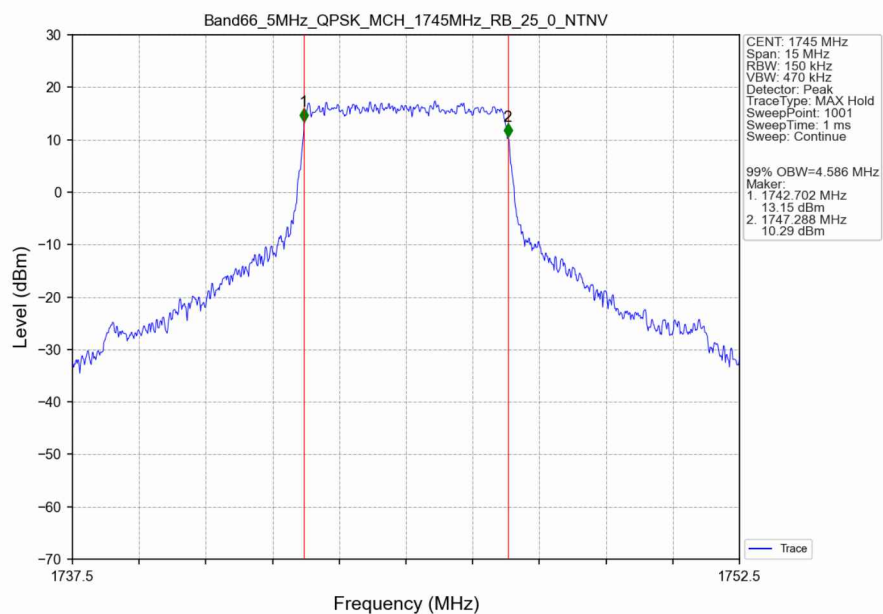
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



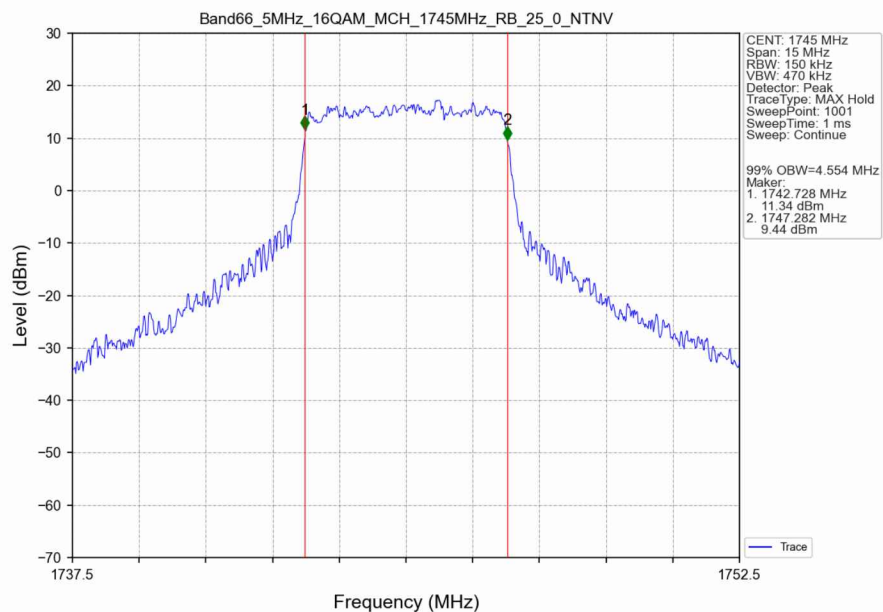
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



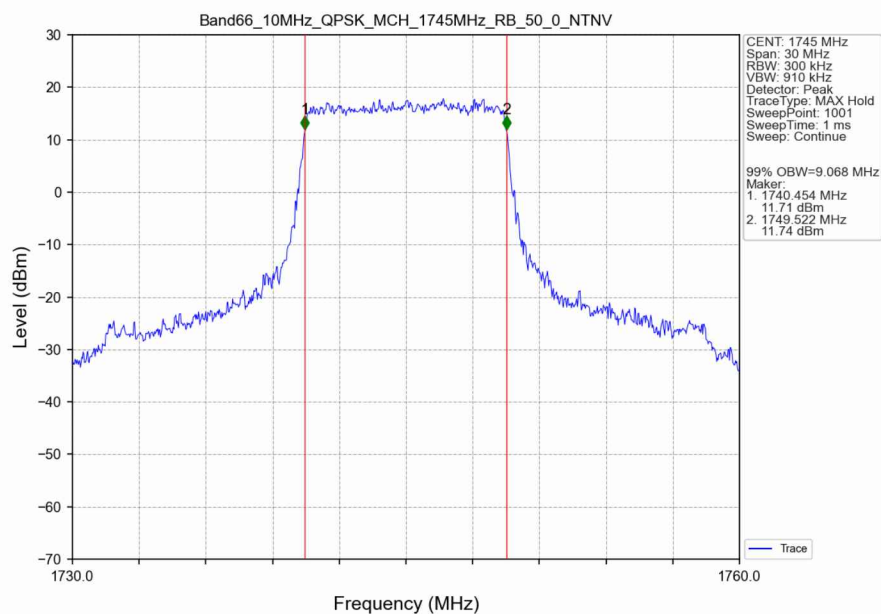
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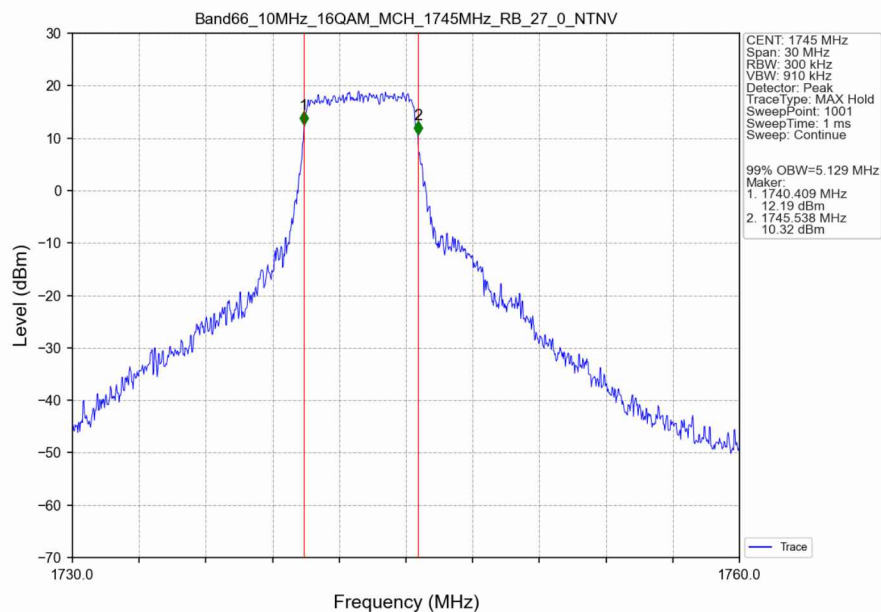
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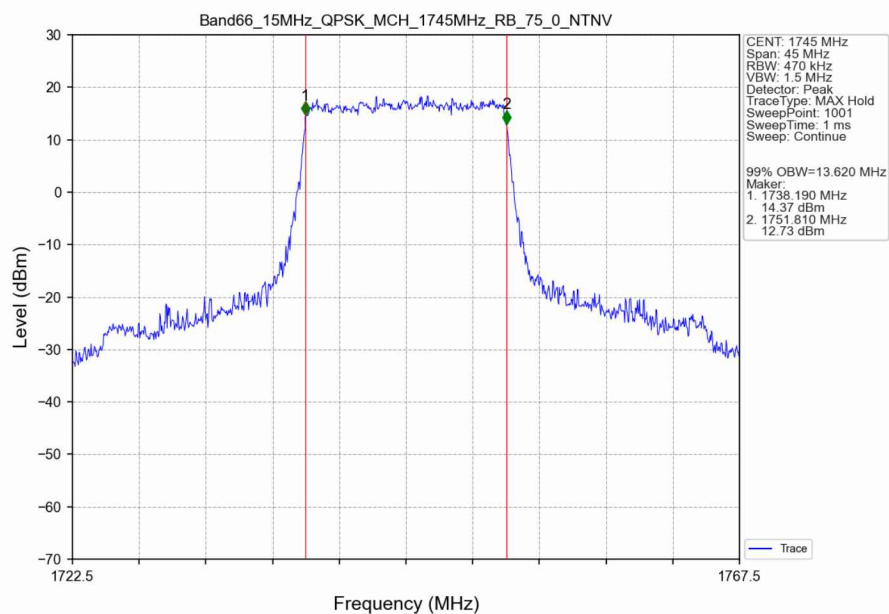
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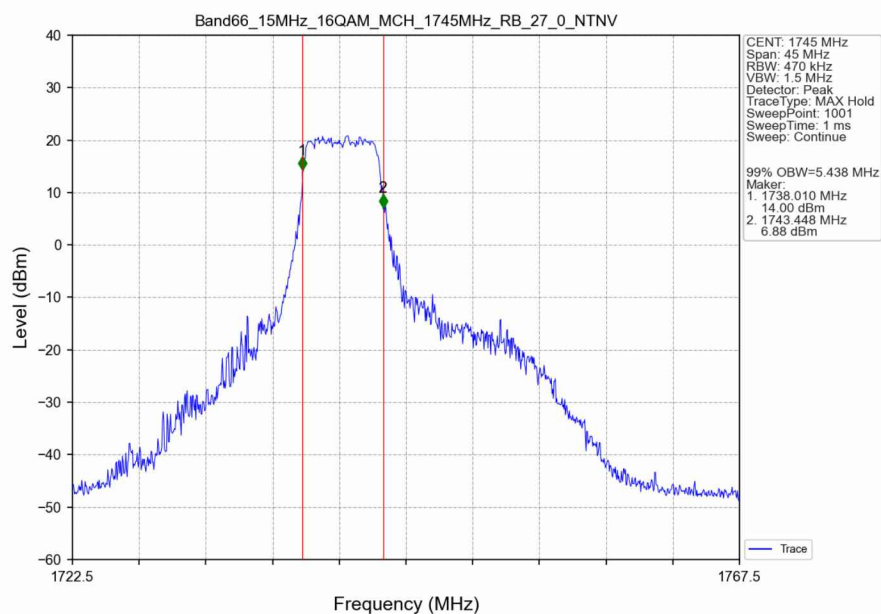
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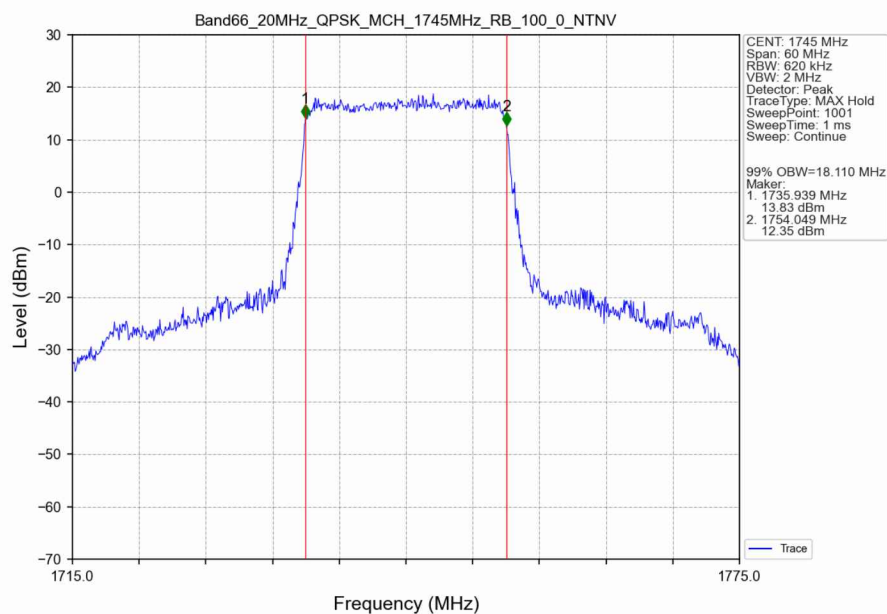
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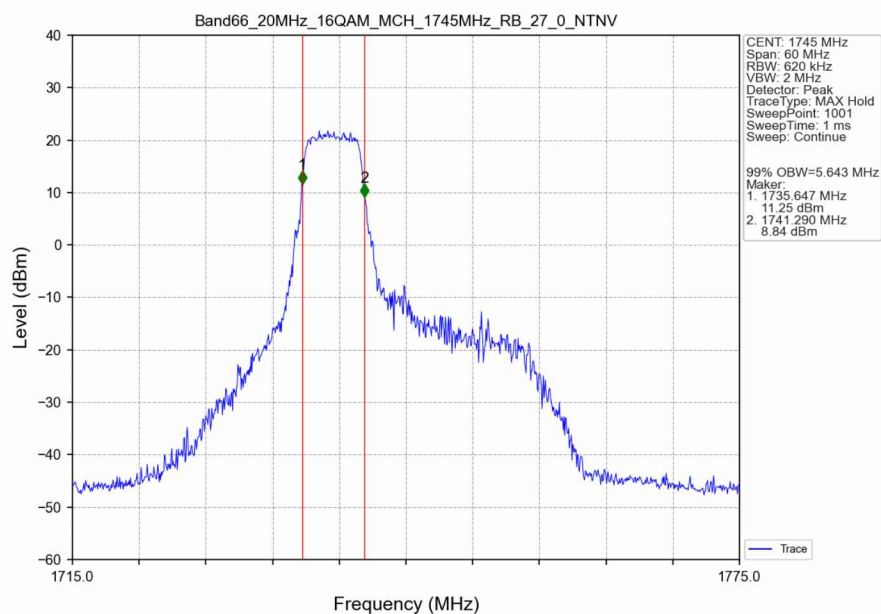
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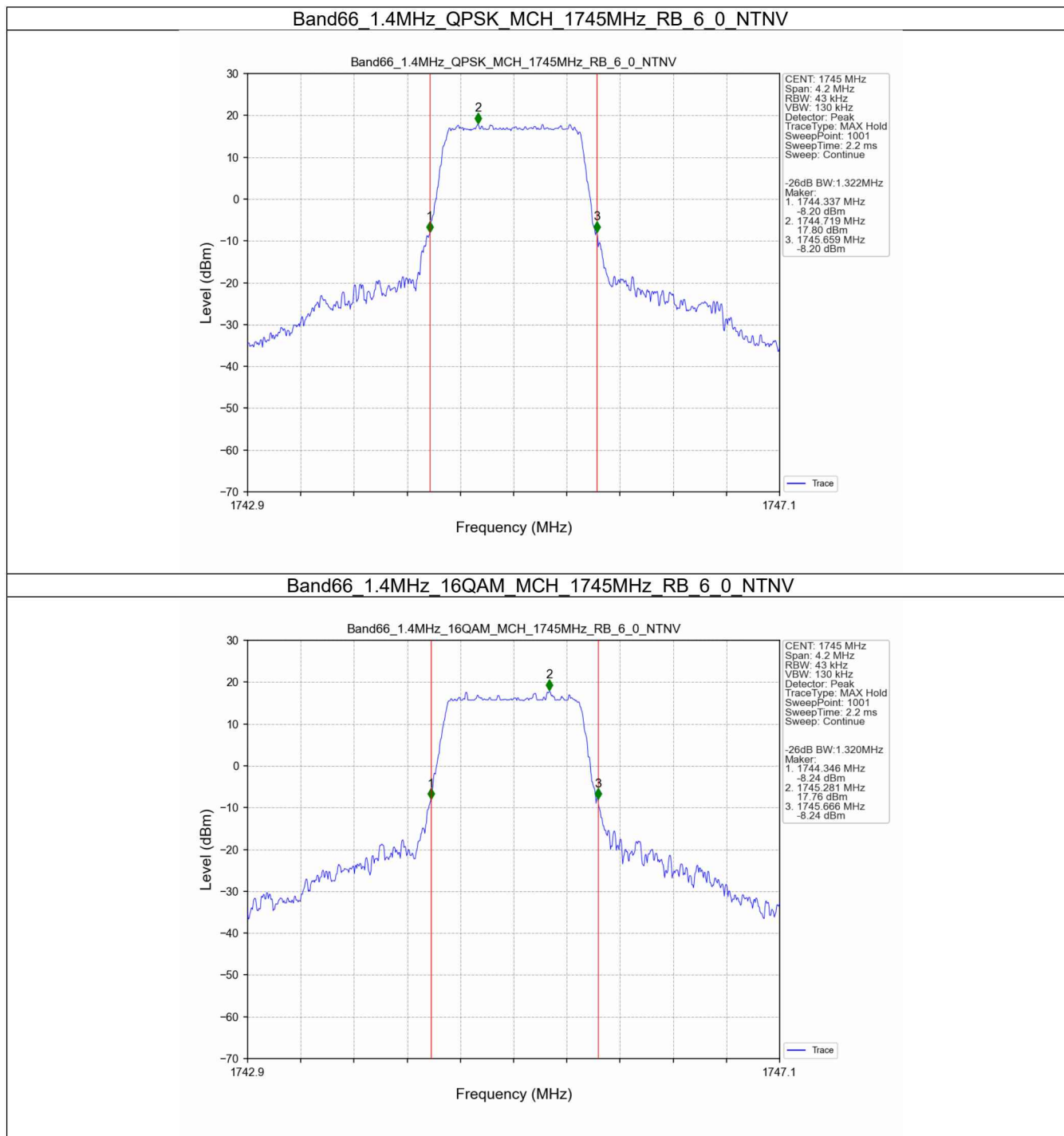
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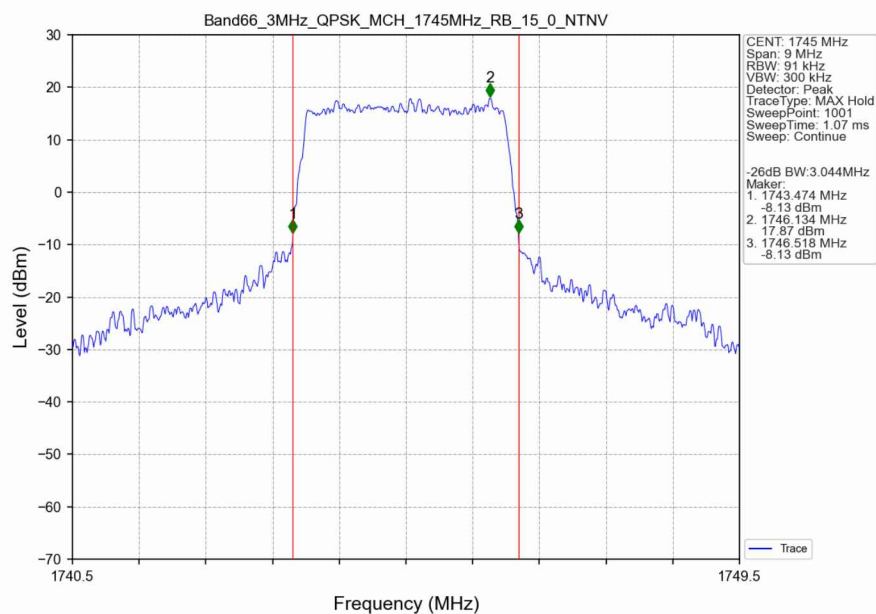
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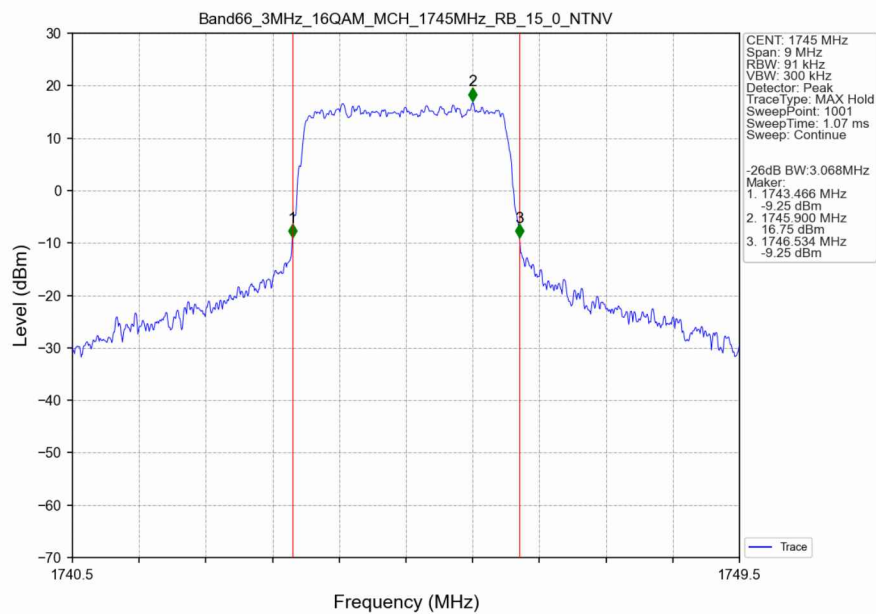
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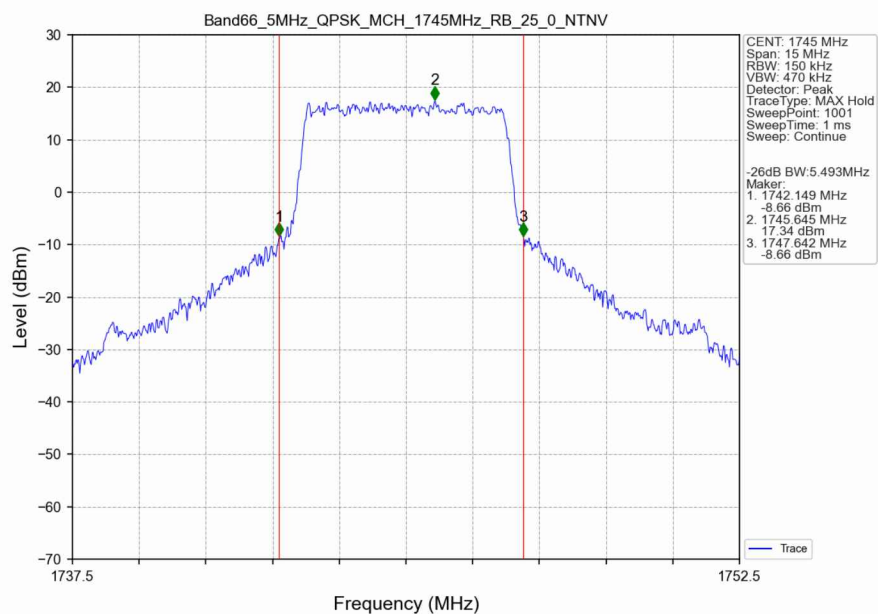
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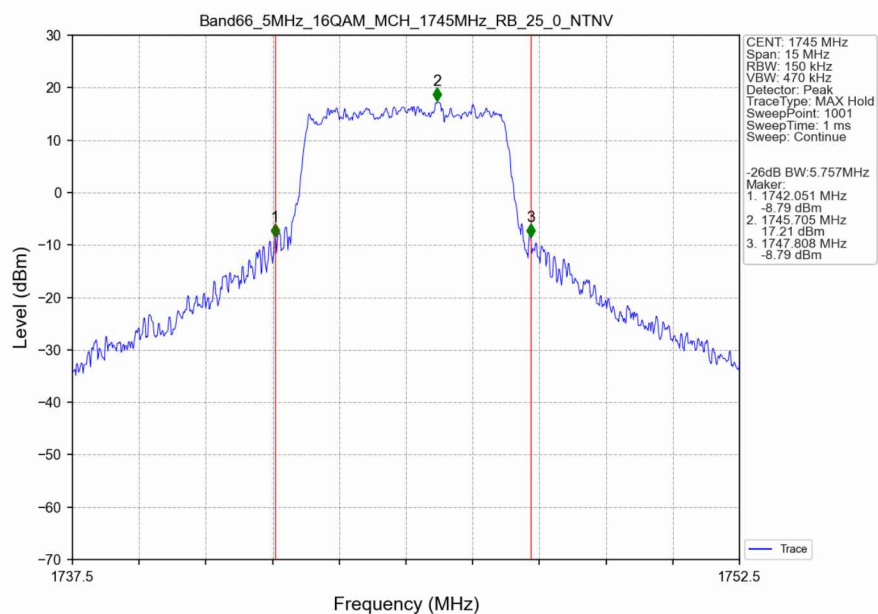
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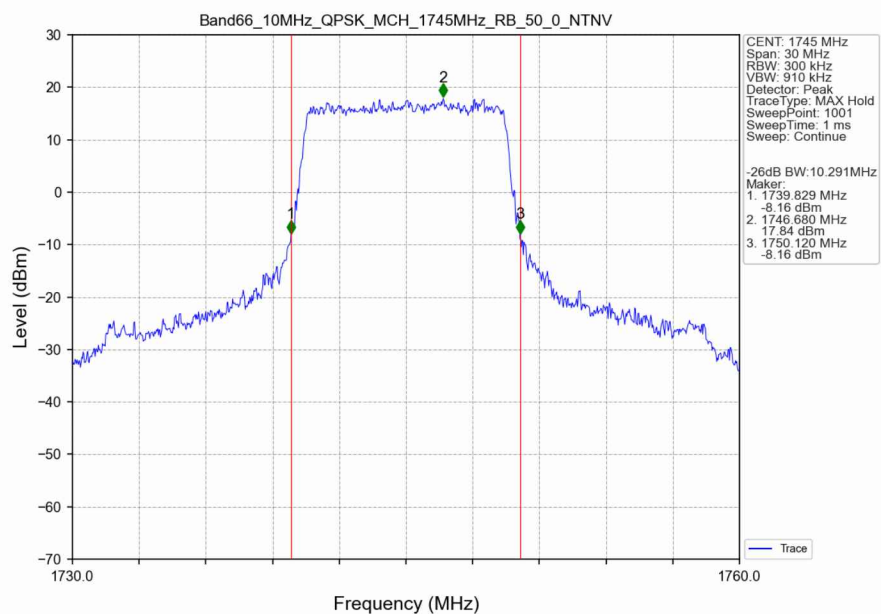
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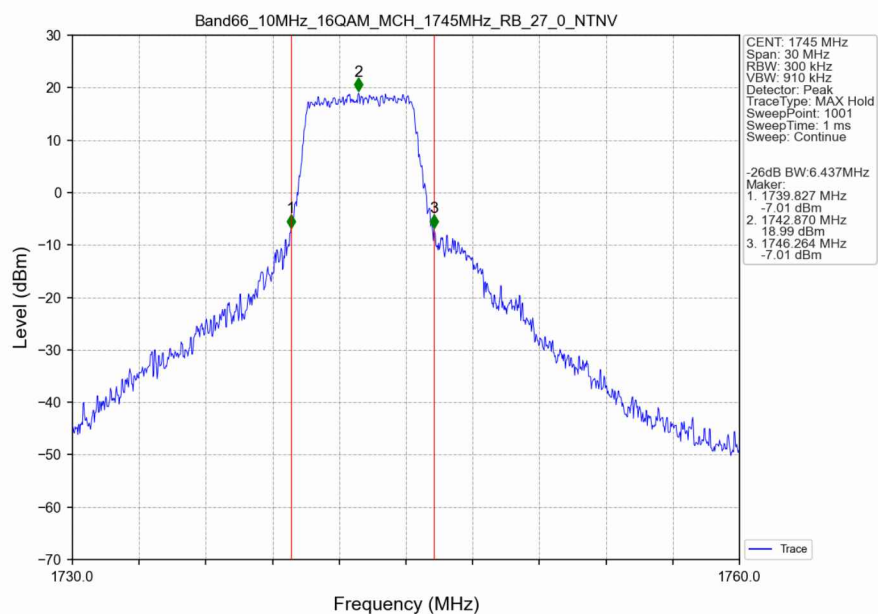
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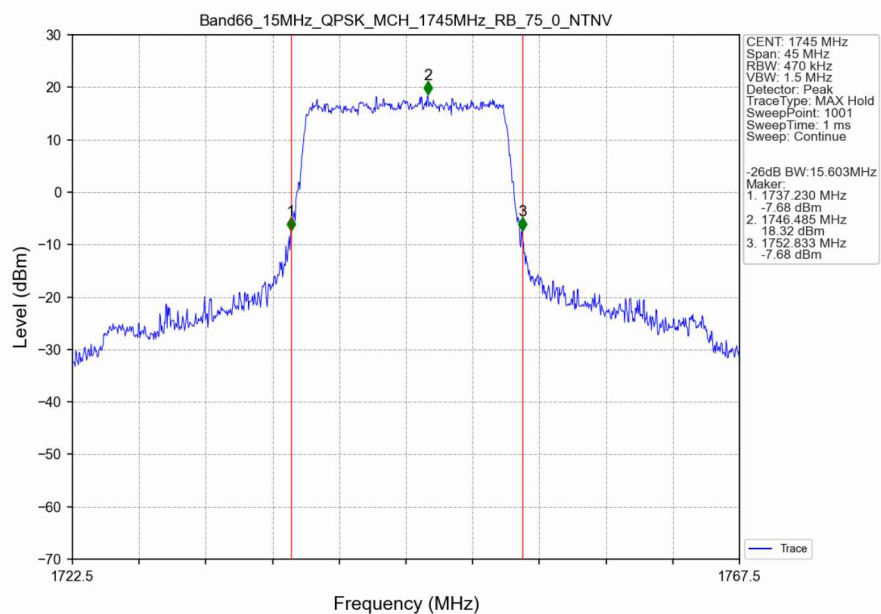
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Band66_10MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV



Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



Band66_15MHz_16QAM_MCH_1745MHz_RB_27_0_NTNV

