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	23.34	-2.00	21.34	<=30	Pass
			5	23.55	-2.00	21.55	<=30	Pass
		6	0	22.41	-2.00	20.41	<=30	Pass
	1745	1	0	23.42	-2.00	21.42	<=30	Pass
			5	23.59	-2.00	21.59	<=30	Pass
		6	0	22.28	-2.00	20.28	<=30	Pass
	1779.3	1	0	23.83	-2.00	21.83	<=30	Pass
			5	23.96	-2.00	21.96	<=30	Pass
		6	0	23.02	-2.00	21.02	<=30	Pass
16QAM	1710.7	1	0	22.81	-2.00	20.81	<=30	Pass
			5	22.80	-2.00	20.80	<=30	Pass
		6	0	21.43	-2.00	19.43	<=30	Pass
	1745	1	0	23.07	-2.00	21.07	<=30	Pass
			5	22.97	-2.00	20.97	<=30	Pass
		6	0	21.67	-2.00	19.67	<=30	Pass
	1779.3	1	0	23.42	-2.00	21.42	<=30	Pass
			5	23.36	-2.00	21.36	<=30	Pass
		6	0	22.06	-2.00	20.06	<=30	Pass
64QAM	1710.7	1	0	22.65	-2.00	20.65	<=30	Pass
			5	22.74	-2.00	20.74	<=30	Pass
		6	0	21.52	-2.00	19.52	<=30	Pass
	1745	1	0	22.12	-2.00	20.12	<=30	Pass
			5	22.78	-2.00	20.78	<=30	Pass
		6	0	21.58	-2.00	19.58	<=30	Pass
	1779.3	1	0	22.80	-2.00	20.80	<=30	Pass
			5	22.60	-2.00	20.60	<=30	Pass
		6	0	22.06	-2.00	20.06	<=30	Pass
256QAM	1710.7	1	0	18.58	-2.00	16.58	<=30	Pass
			5	18.61	-2.00	16.61	<=30	Pass
		6	0	18.54	-2.00	16.54	<=30	Pass
	1745	1	0	18.74	-2.00	16.74	<=30	Pass
			5	18.66	-2.00	16.66	<=30	Pass
		6	0	18.65	-2.00	16.65	<=30	Pass
	1779.3	1	0	18.88	-2.00	16.88	<=30	Pass
			5	19.18	-2.00	17.18	<=30	Pass
		6	0	19.07	-2.00	17.07	<=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	23.28	-2.00	21.28	<=30	Pass
			14	23.25	-2.00	21.25	<=30	Pass
		15	0	22.57	-2.00	20.57	<=30	Pass
	1745	1	0	23.33	-2.00	21.33	<=30	Pass

			14	23.62	-2.00	21.62	<=30	Pass
		15	0	22.47	-2.00	20.47	<=30	Pass
	1778.5	1	0	24.04	-2.00	22.04	<=30	Pass
			14	23.94	-2.00	21.94	<=30	Pass
		15	0	23.10	-2.00	21.10	<=30	Pass
16QAM	1711.5	1	0	22.81	-2.00	20.81	<=30	Pass
			14	22.47	-2.00	20.47	<=30	Pass
		15	0	21.38	-2.00	19.38	<=30	Pass
	1745	1	0	22.74	-2.00	20.74	<=30	Pass
			14	22.88	-2.00	20.88	<=30	Pass
		15	0	21.46	-2.00	19.46	<=30	Pass
	1778.5	1	0	23.09	-2.00	21.09	<=30	Pass
			14	23.18	-2.00	21.18	<=30	Pass
		15	0	22.09	-2.00	20.09	<=30	Pass
64QAM	1711.5	1	0	22.39	-2.00	20.39	<=30	Pass
			14	22.52	-2.00	20.52	<=30	Pass
		15	0	21.57	-2.00	19.57	<=30	Pass
	1745	1	0	22.87	-2.00	20.87	<=30	Pass
			14	22.82	-2.00	20.82	<=30	Pass
		15	0	21.45	-2.00	19.45	<=30	Pass
	1778.5	1	0	22.86	-2.00	20.86	<=30	Pass
			14	23.06	-2.00	21.06	<=30	Pass
		15	0	21.95	-2.00	19.95	<=30	Pass
256QAM	1711.5	1	0	18.41	-2.00	16.41	<=30	Pass
			14	18.52	-2.00	16.52	<=30	Pass
		15	0	18.53	-2.00	16.53	<=30	Pass
	1745	1	0	18.27	-2.00	16.27	<=30	Pass
			14	18.62	-2.00	16.62	<=30	Pass
		15	0	18.72	-2.00	16.72	<=30	Pass
	1778.5	1	0	18.81	-2.00	16.81	<=30	Pass
			14	18.99	-2.00	16.99	<=30	Pass
		15	0	19.05	-2.00	17.05	<=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	23.52	-2.00	21.52	<=30	Pass
			24	23.29	-2.00	21.29	<=30	Pass
		25	0	22.60	-2.00	20.60	<=30	Pass
	1745	1	0	23.43	-2.00	21.43	<=30	Pass
			24	23.53	-2.00	21.53	<=30	Pass
		25	0	22.65	-2.00	20.65	<=30	Pass
	1777.5	1	0	24.02	-2.00	22.02	<=30	Pass
			24	24.04	-2.00	22.04	<=30	Pass
		25	0	23.08	-2.00	21.08	<=30	Pass
16QAM	1712.5	1	0	22.89	-2.00	20.89	<=30	Pass
			24	22.52	-2.00	20.52	<=30	Pass
		25	0	21.67	-2.00	19.67	<=30	Pass
	1745	1	0	22.73	-2.00	20.73	<=30	Pass
			24	22.70	-2.00	20.70	<=30	Pass
		25	0	21.61	-2.00	19.61	<=30	Pass
	1777.5	1	0	22.73	-2.00	20.73	<=30	Pass
			24	23.24	-2.00	21.24	<=30	Pass
		25	0	22.07	-2.00	20.07	<=30	Pass

64QAM	1712.5	1	0	22.62	-2.00	20.62	<=30	Pass
			24	22.43	-2.00	20.43	<=30	Pass
		25	0	21.56	-2.00	19.56	<=30	Pass
	1745	1	0	22.49	-2.00	20.49	<=30	Pass
			24	22.63	-2.00	20.63	<=30	Pass
		25	0	21.56	-2.00	19.56	<=30	Pass
	1777.5	1	0	23.12	-2.00	21.12	<=30	Pass
			24	23.11	-2.00	21.11	<=30	Pass
		25	0	21.97	-2.00	19.97	<=30	Pass
256QAM	1712.5	1	0	18.45	-2.00	16.45	<=30	Pass
			24	18.64	-2.00	16.64	<=30	Pass
		25	0	18.49	-2.00	16.49	<=30	Pass
	1745	1	0	18.33	-2.00	16.33	<=30	Pass
			24	18.50	-2.00	16.50	<=30	Pass
		25	0	18.55	-2.00	16.55	<=30	Pass
	1777.5	1	0	18.97	-2.00	16.97	<=30	Pass
			24	19.18	-2.00	17.18	<=30	Pass
		25	0	19.05	-2.00	17.05	<=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	23.37	-2.00	21.37	<=30	Pass
			49	23.26	-2.00	21.26	<=30	Pass
		50	0	22.62	-2.00	20.62	<=30	Pass
	1745	1	0	23.42	-2.00	21.42	<=30	Pass
			49	23.72	-2.00	21.72	<=30	Pass
		50	0	22.60	-2.00	20.60	<=30	Pass
	1775	1	0	23.96	-2.00	21.96	<=30	Pass
			49	23.77	-2.00	21.77	<=30	Pass
		50	0	23.01	-2.00	21.01	<=30	Pass
16QAM	1715	1	0	22.63	-2.00	20.63	<=30	Pass
			49	22.57	-2.00	20.57	<=30	Pass
		50	0	21.59	-2.00	19.59	<=30	Pass
	1745	1	0	22.61	-2.00	20.61	<=30	Pass
			49	23.03	-2.00	21.03	<=30	Pass
		50	0	21.63	-2.00	19.63	<=30	Pass
	1775	1	0	23.09	-2.00	21.09	<=30	Pass
			49	23.32	-2.00	21.32	<=30	Pass
		50	0	22.00	-2.00	20.00	<=30	Pass
64QAM	1715	1	0	22.44	-2.00	20.44	<=30	Pass
			49	22.39	-2.00	20.39	<=30	Pass
		50	0	21.52	-2.00	19.52	<=30	Pass
	1745	1	0	22.25	-2.00	20.25	<=30	Pass
			49	22.62	-2.00	20.62	<=30	Pass
		50	0	21.53	-2.00	19.53	<=30	Pass
	1775	1	0	23.06	-2.00	21.06	<=30	Pass
			49	22.97	-2.00	20.97	<=30	Pass
		50	0	22.03	-2.00	20.03	<=30	Pass
256QAM	1715	1	0	18.50	-2.00	16.50	<=30	Pass
			49	18.33	-2.00	16.33	<=30	Pass
		50	0	18.57	-2.00	16.57	<=30	Pass
	1745	1	0	18.66	-2.00	16.66	<=30	Pass
			49	18.72	-2.00	16.72	<=30	Pass

		50	0	18.65	-2.00	16.65	<=30	Pass
	1775	1	0	18.96	-2.00	16.96	<=30	Pass
			49	19.13	-2.00	17.13	<=30	Pass
		50	0	19.05	-2.00	17.05	<=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	23.35	-2.00	21.35	<=30	Pass
			74	23.28	-2.00	21.28	<=30	Pass
		75	0	22.45	-2.00	20.45	<=30	Pass
	1745	1	0	23.31	-2.00	21.31	<=30	Pass
			74	23.47	-2.00	21.47	<=30	Pass
		75	0	22.56	-2.00	20.56	<=30	Pass
	1772.5	1	0	23.62	-2.00	21.62	<=30	Pass
			74	23.51	-2.00	21.51	<=30	Pass
		75	0	22.85	-2.00	20.85	<=30	Pass
16QAM	1717.5	1	0	22.66	-2.00	20.66	<=30	Pass
			74	22.37	-2.00	20.37	<=30	Pass
		75	0	21.33	-2.00	19.33	<=30	Pass
	1745	1	0	22.23	-2.00	20.23	<=30	Pass
			74	22.75	-2.00	20.75	<=30	Pass
		75	0	21.48	-2.00	19.48	<=30	Pass
	1772.5	1	0	22.85	-2.00	20.85	<=30	Pass
			74	22.98	-2.00	20.98	<=30	Pass
		75	0	21.74	-2.00	19.74	<=30	Pass
64QAM	1717.5	1	0	22.43	-2.00	20.43	<=30	Pass
			74	22.33	-2.00	20.33	<=30	Pass
		75	0	21.28	-2.00	19.28	<=30	Pass
	1745	1	0	22.43	-2.00	20.43	<=30	Pass
			74	22.35	-2.00	20.35	<=30	Pass
		75	0	21.40	-2.00	19.40	<=30	Pass
	1772.5	1	0	22.50	-2.00	20.50	<=30	Pass
			74	22.89	-2.00	20.89	<=30	Pass
		75	0	21.85	-2.00	19.85	<=30	Pass
256QAM	1717.5	1	0	17.96	-2.00	15.96	<=30	Pass
			74	18.44	-2.00	16.44	<=30	Pass
		75	0	18.25	-2.00	16.25	<=30	Pass
	1745	1	0	18.60	-2.00	16.60	<=30	Pass
			74	18.67	-2.00	16.67	<=30	Pass
		75	0	18.64	-2.00	16.64	<=30	Pass
	1772.5	1	0	18.64	-2.00	16.64	<=30	Pass
			74	19.16	-2.00	17.16	<=30	Pass
		75	0	18.92	-2.00	16.92	<=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	23.12	-2.00	21.12	<=30	Pass
			99	23.38	-2.00	21.38	<=30	Pass

		100	0	22.40	-2.00	20.40	<=30	Pass
	1745	1	0	23.26	-2.00	21.26	<=30	Pass
			99	23.59	-2.00	21.59	<=30	Pass
		100	0	22.53	-2.00	20.53	<=30	Pass
	1770	1	0	23.59	-2.00	21.59	<=30	Pass
			99	23.71	-2.00	21.71	<=30	Pass
		100	0	22.84	-2.00	20.84	<=30	Pass
16QAM	1720	1	0	22.77	-2.00	20.77	<=30	Pass
			99	22.42	-2.00	20.42	<=30	Pass
		100	0	21.32	-2.00	19.32	<=30	Pass
	1745	1	0	22.60	-2.00	20.60	<=30	Pass
			99	22.37	-2.00	20.37	<=30	Pass
		100	0	21.52	-2.00	19.52	<=30	Pass
	1770	1	0	22.67	-2.00	20.67	<=30	Pass
			99	22.68	-2.00	20.68	<=30	Pass
		100	0	21.85	-2.00	19.85	<=30	Pass
64QAM	1720	1	0	21.98	-2.00	19.98	<=30	Pass
			99	22.22	-2.00	20.22	<=30	Pass
		100	0	21.15	-2.00	19.15	<=30	Pass
	1745	1	0	22.50	-2.00	20.50	<=30	Pass
			99	22.68	-2.00	20.68	<=30	Pass
		100	0	21.40	-2.00	19.40	<=30	Pass
	1770	1	0	21.97	-2.00	19.97	<=30	Pass
			99	22.64	-2.00	20.64	<=30	Pass
		100	0	21.75	-2.00	19.75	<=30	Pass
256QAM	1720	1	0	18.25	-2.00	16.25	<=30	Pass
			99	18.41	-2.00	16.41	<=30	Pass
		100	0	18.36	-2.00	16.36	<=30	Pass
	1745	1	0	18.47	-2.00	16.47	<=30	Pass
			99	18.91	-2.00	16.91	<=30	Pass
		100	0	18.64	-2.00	16.64	<=30	Pass
	1770	1	0	18.64	-2.00	16.64	<=30	Pass
			99	19.02	-2.00	17.02	<=30	Pass
		100	0	18.82	-2.00	16.82	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1745	50	0	20	3.6	1.200	0.0007	-2.5 to 2.5	Pass
					3.84	-1.500	-0.0009	-2.5 to 2.5	Pass
					4.3	-1.200	-0.0007	-2.5 to 2.5	Pass
				-30	3.84	-0.200	-0.0001	-2.5 to 2.5	Pass
				-20	3.84	-0.600	-0.0003	-2.5 to 2.5	Pass
				-10	3.84	-1.200	-0.0007	-2.5 to 2.5	Pass
				0	3.84	0.100	0.0001	-2.5 to 2.5	Pass
				10	3.84	-2.200	-0.0013	-2.5 to 2.5	Pass
				30	3.84	-1.200	-0.0007	-2.5 to 2.5	Pass
				40	3.84	-3.100	-0.0018	-2.5 to 2.5	Pass
				50	3.84	-1.600	-0.0009	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band66_OBW

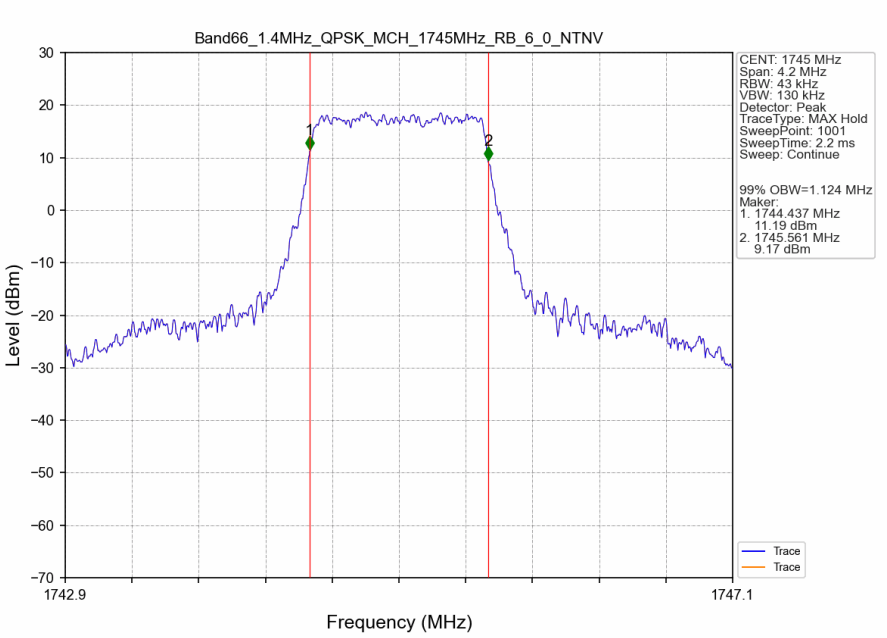
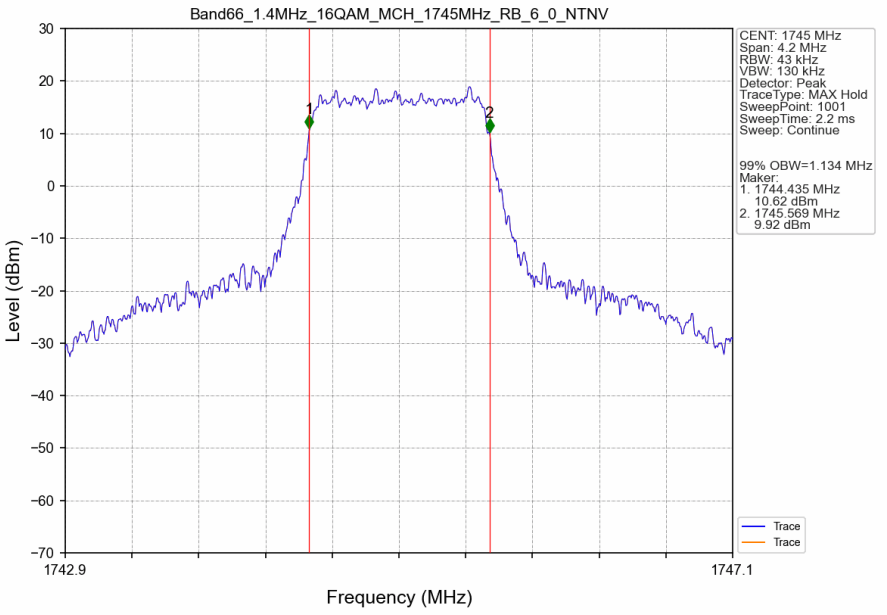
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1745	6	0	1.124	/	Pass
	16QAM	1745	6	0	1.134	/	Pass
3	QPSK	1745	15	0	2.749	/	Pass
	16QAM	1745	15	0	2.738	/	Pass
5	QPSK	1745	25	0	4.561	/	Pass
	16QAM	1745	25	0	4.584	/	Pass
10	QPSK	1745	50	0	9.076	/	Pass
	16QAM	1745	50	0	9.102	/	Pass
15	QPSK	1745	75	0	13.636	/	Pass
	16QAM	1745	75	0	13.617	/	Pass
20	QPSK	1745	100	0	18.200	/	Pass
	16QAM	1745	100	0	18.155	/	Pass

3.1.2 Band66_XDB

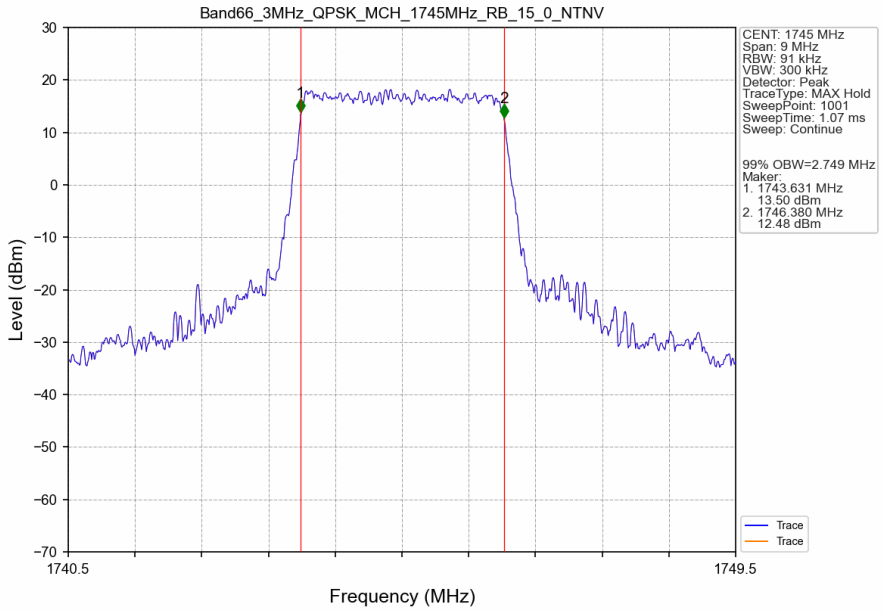
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1745	6	0	1.390	/	Pass
	16QAM	1745	6	0	1.400	/	Pass
3	QPSK	1745	15	0	3.151	/	Pass
	16QAM	1745	15	0	3.088	/	Pass
5	QPSK	1745	25	0	5.282	/	Pass
	16QAM	1745	25	0	5.260	/	Pass
10	QPSK	1745	50	0	10.154	/	Pass
	16QAM	1745	50	0	10.158	/	Pass
15	QPSK	1745	75	0	15.250	/	Pass
	16QAM	1745	75	0	15.083	/	Pass
20	QPSK	1745	100	0	19.993	/	Pass
	16QAM	1745	100	0	20.119	/	Pass

3.2 Test Graph

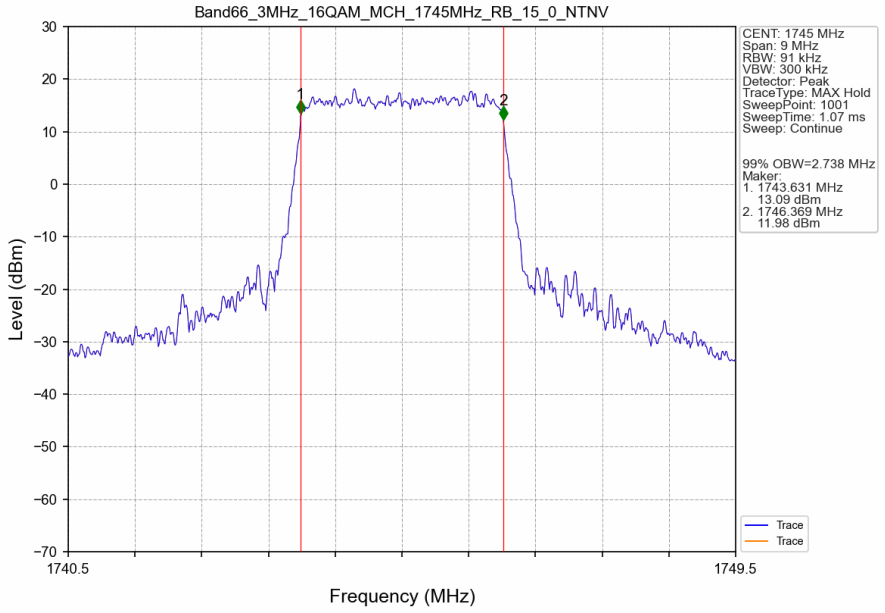
3.2.1 Band66_OBW

Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV

Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV


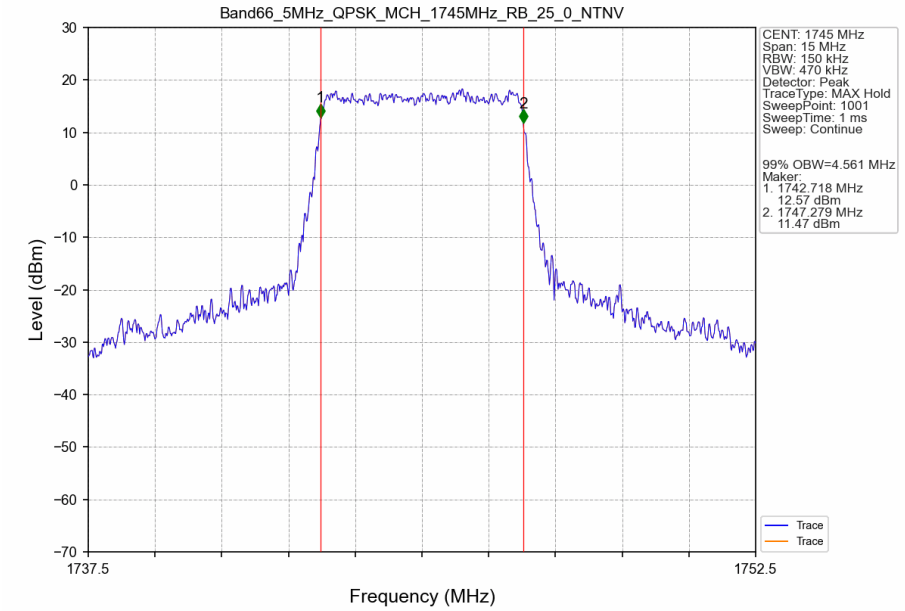
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



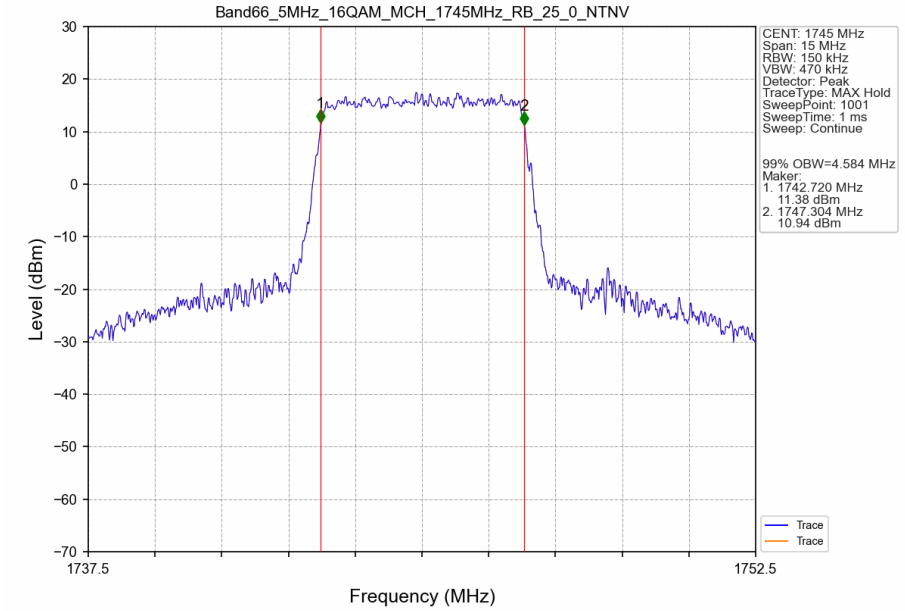
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



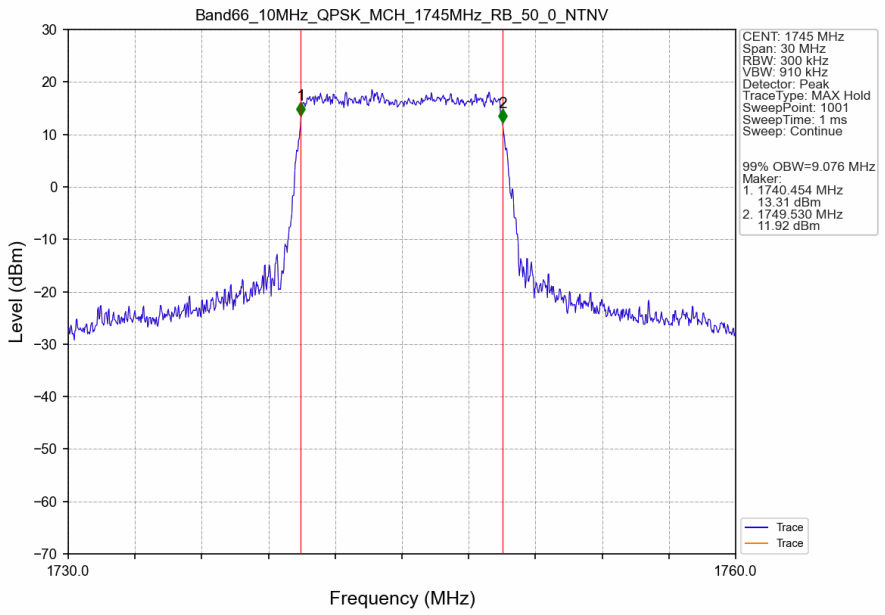
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



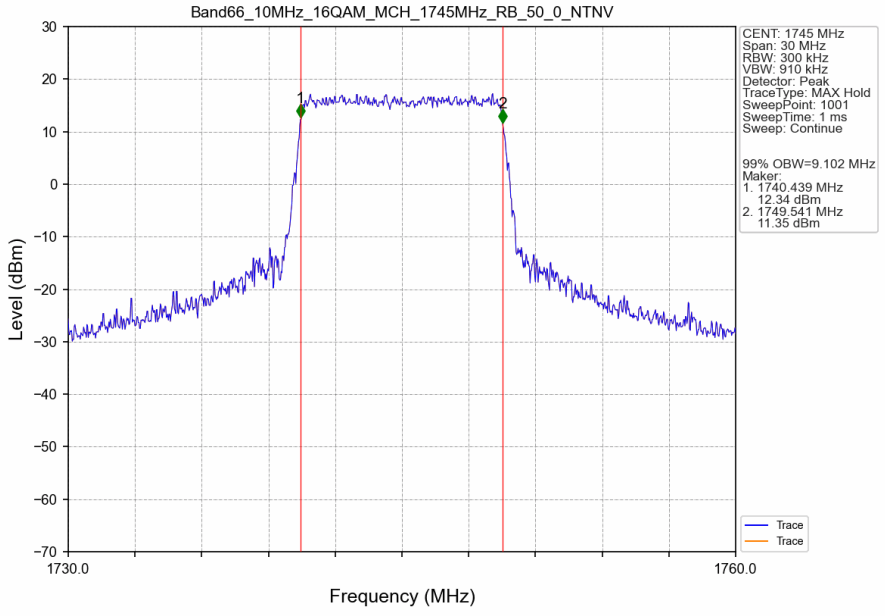
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



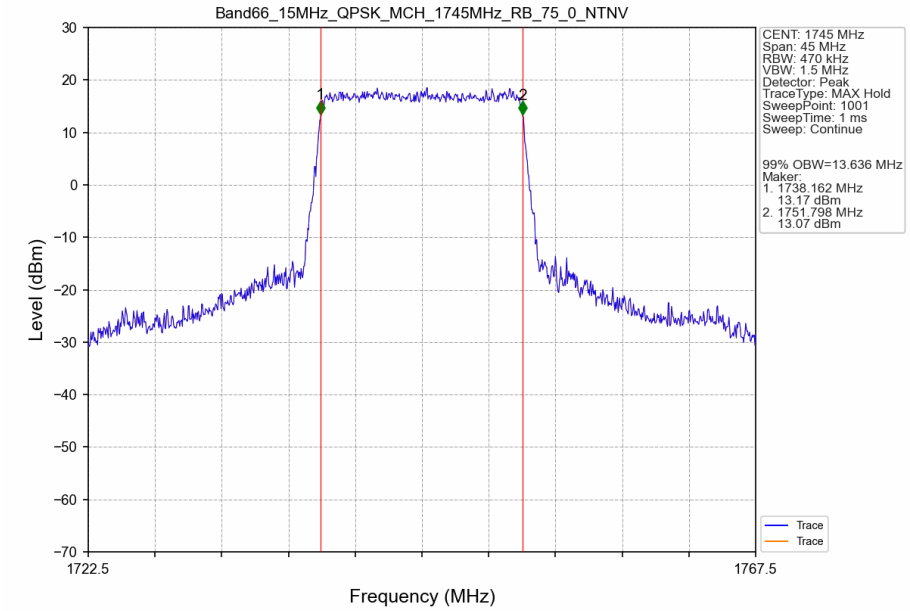
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



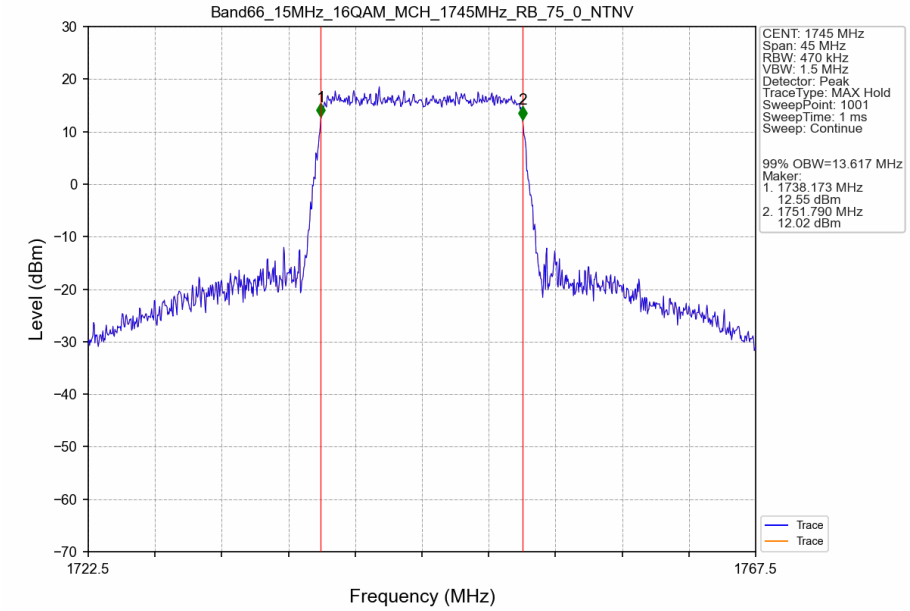
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



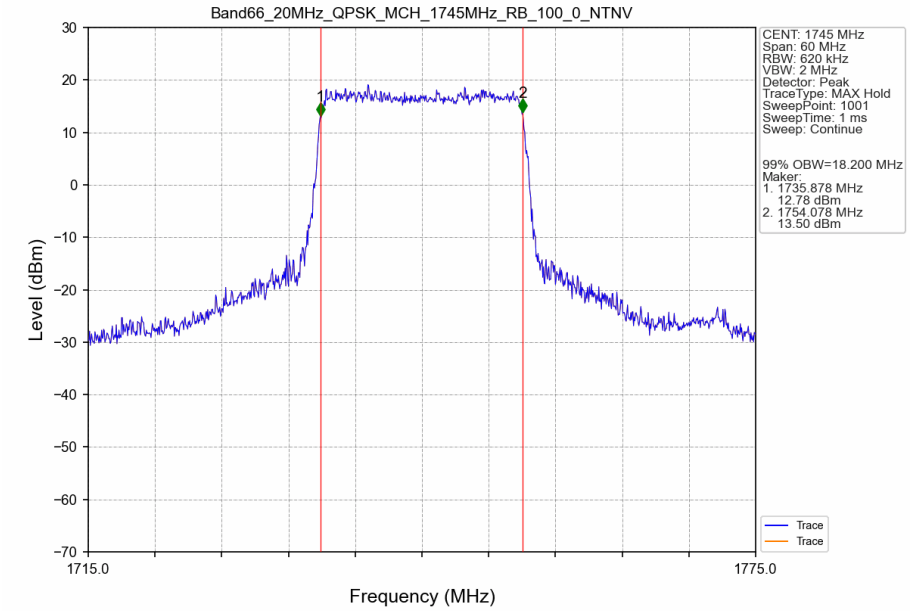
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



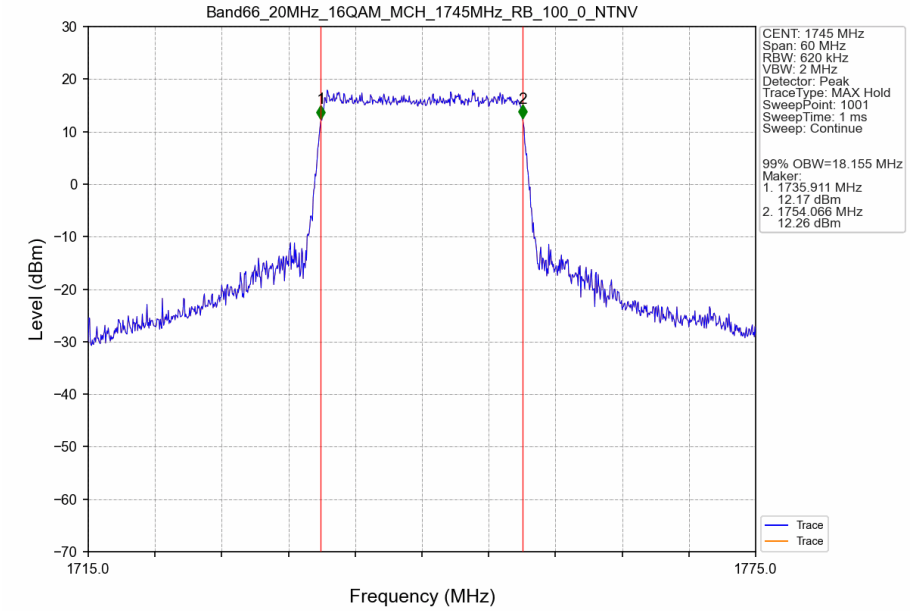
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



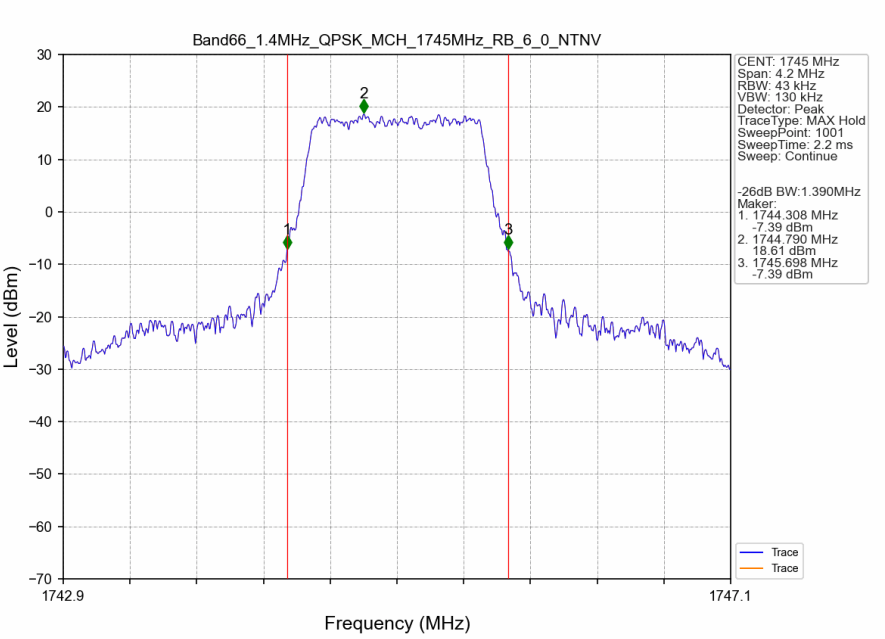
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV

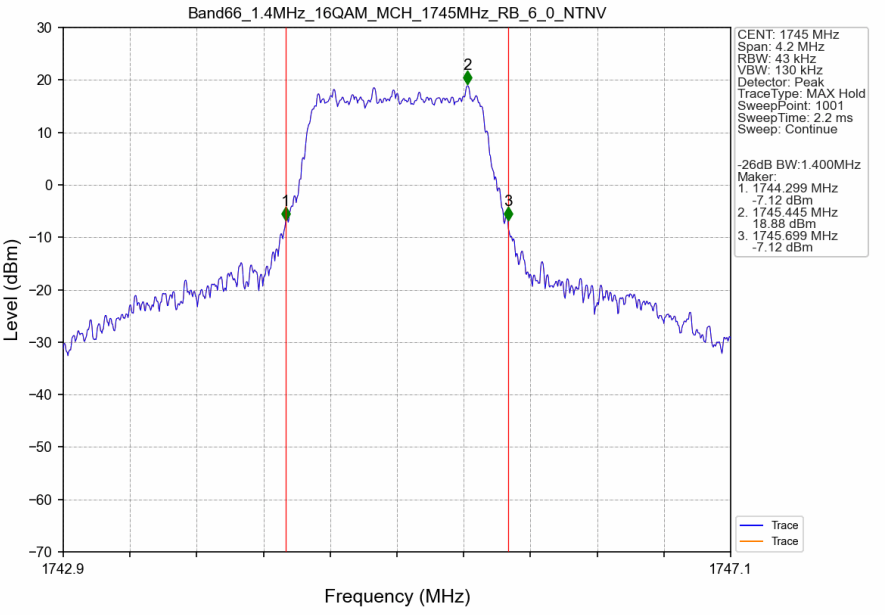


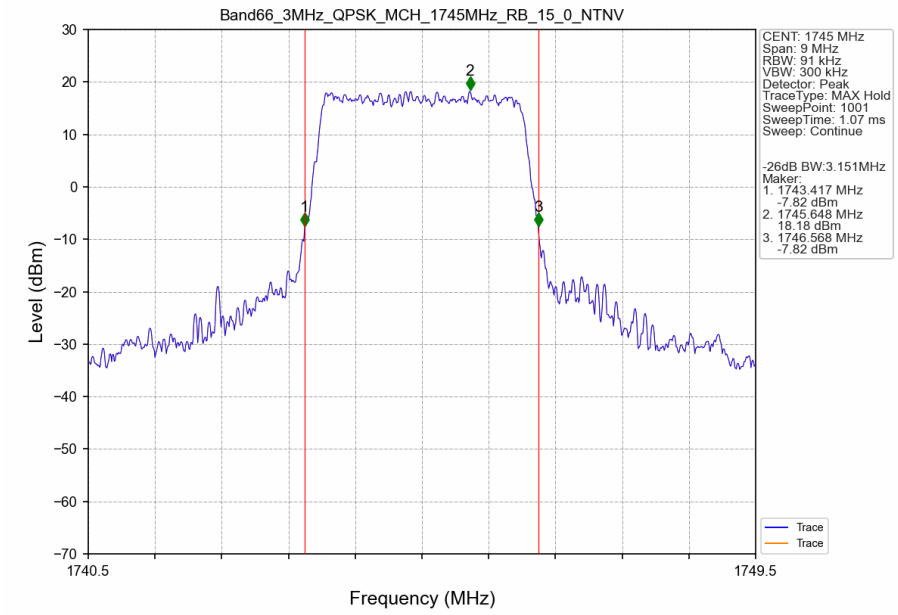
Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV

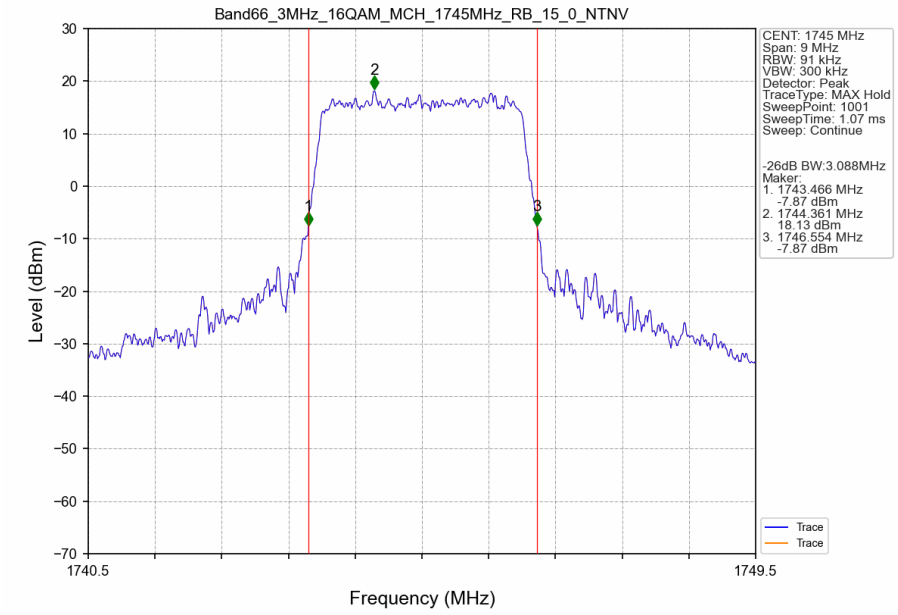


3.2.2 Band66_XDB

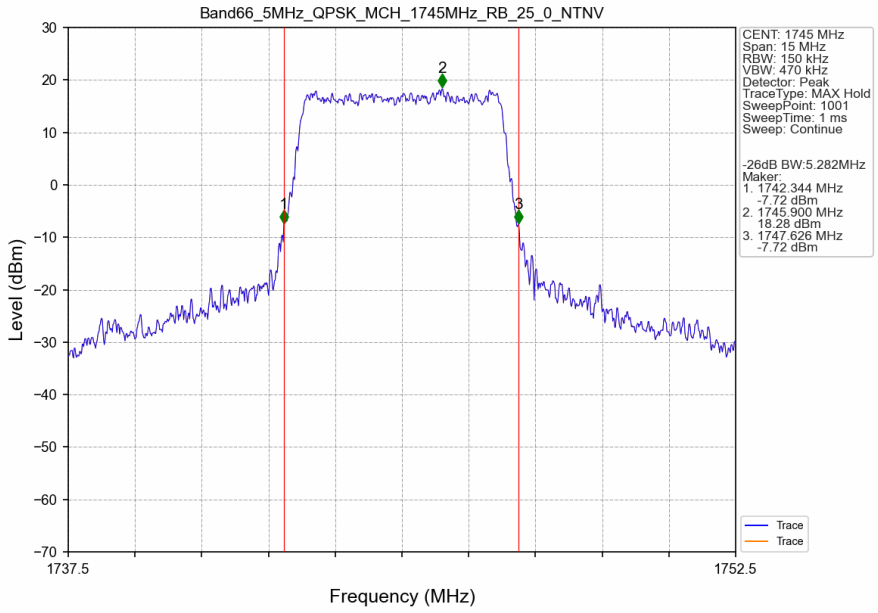
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV


Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV


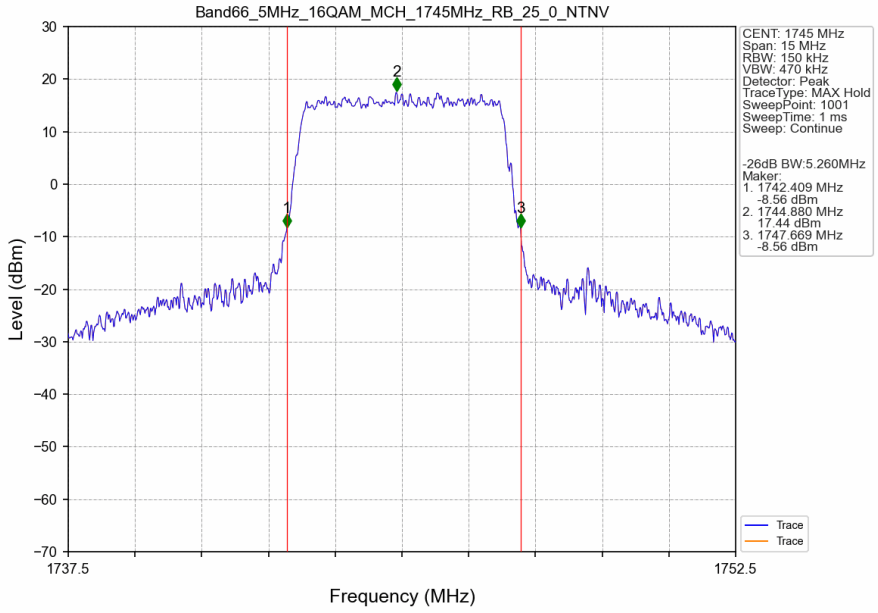
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV


Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV


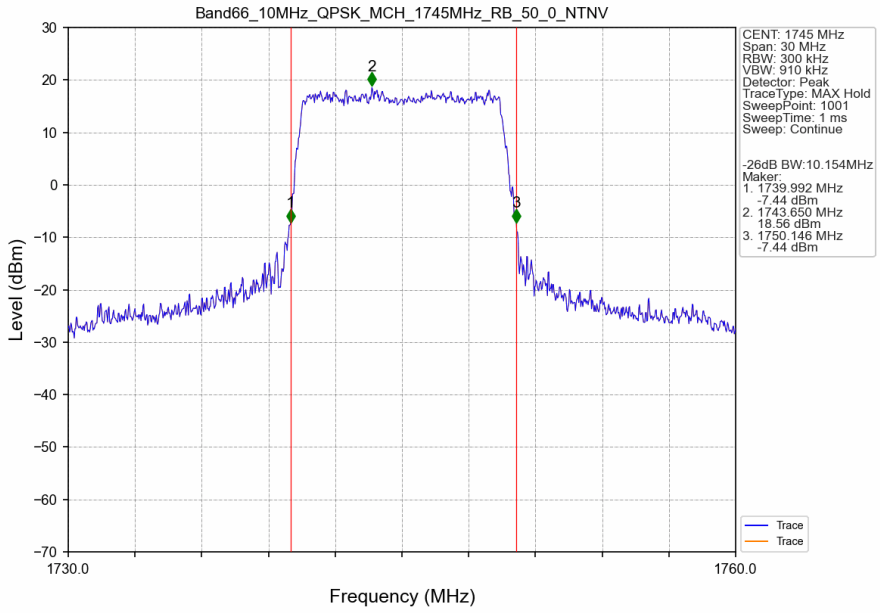
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



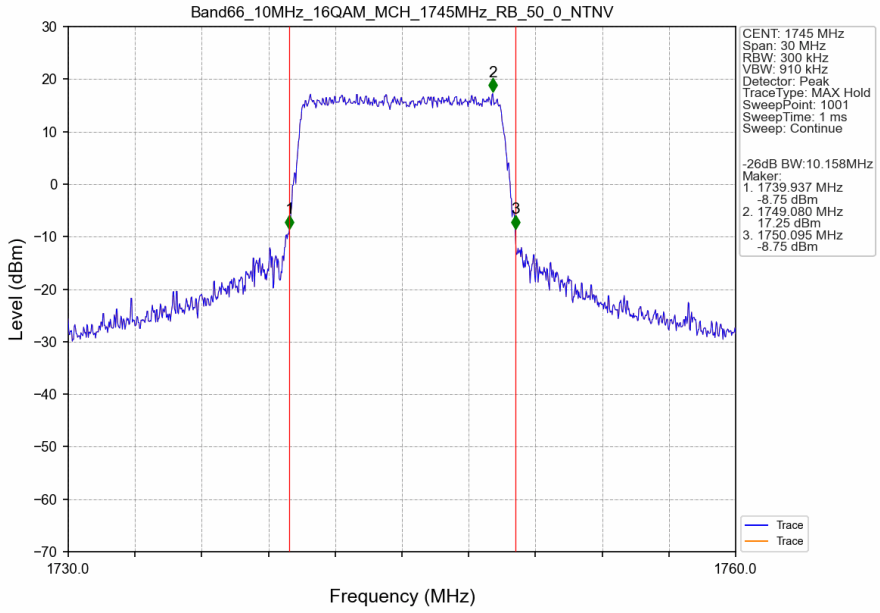
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



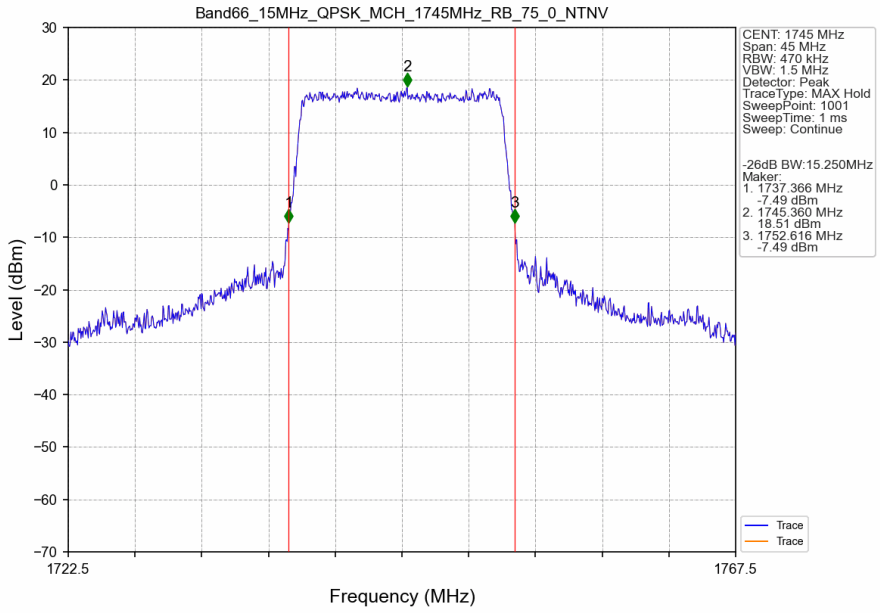
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



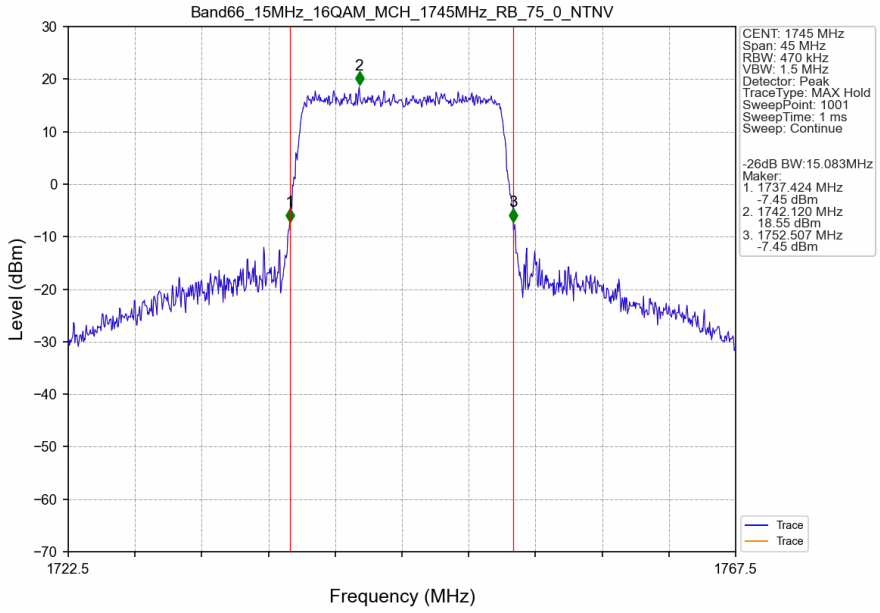
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



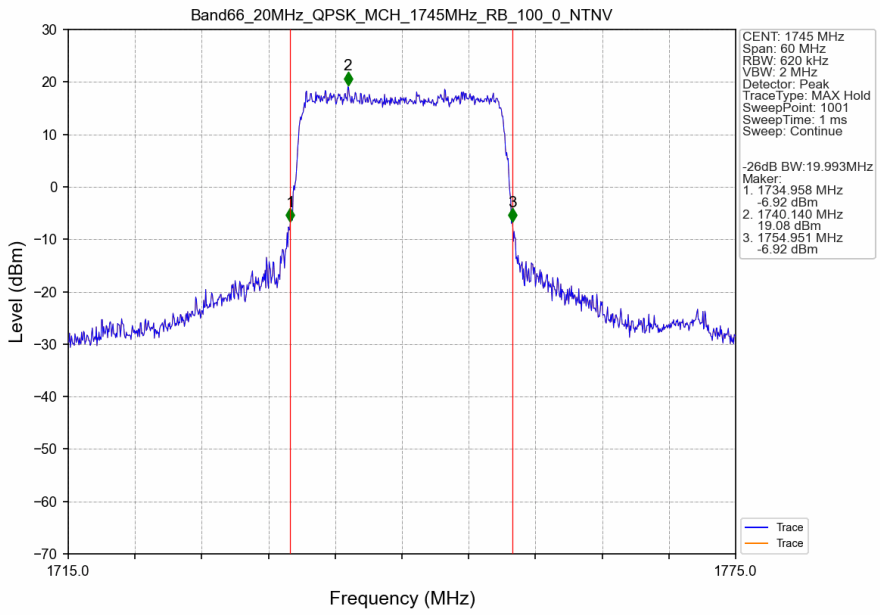
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



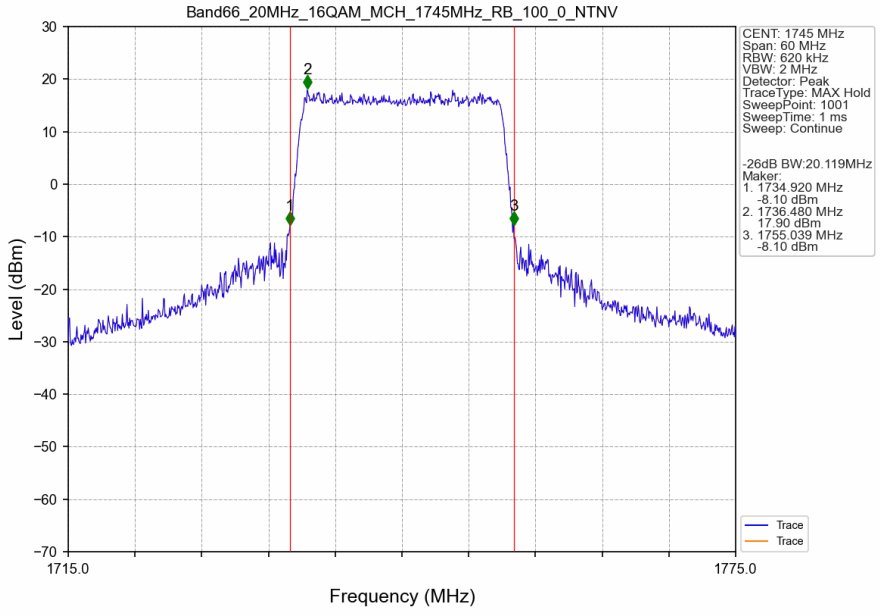
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



4. Peak-Average Ratio

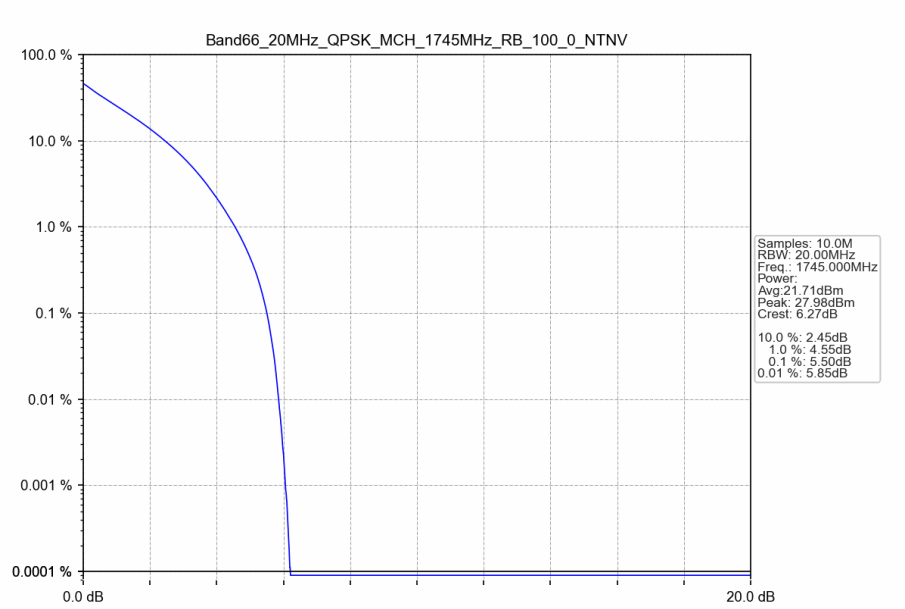
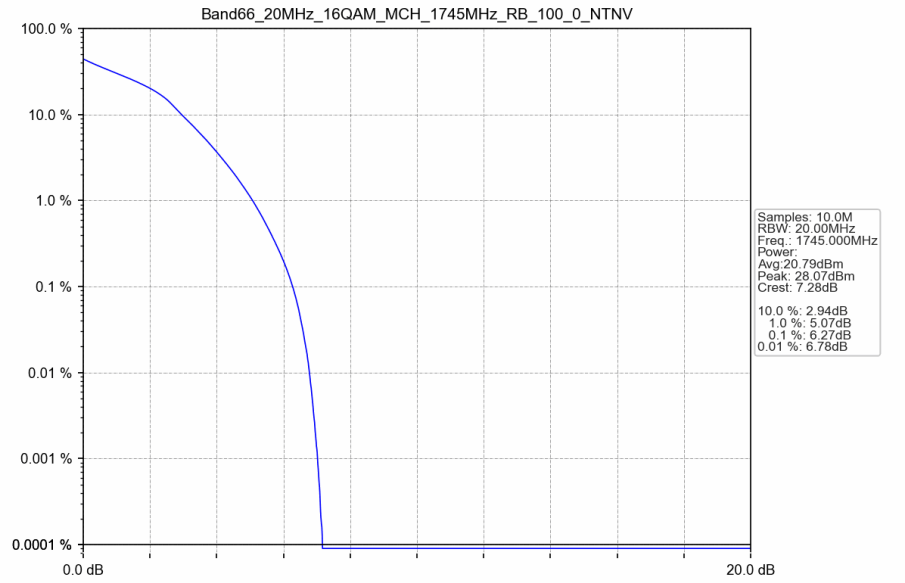
4.1 Test Result

4.1.1 B66_20MHz

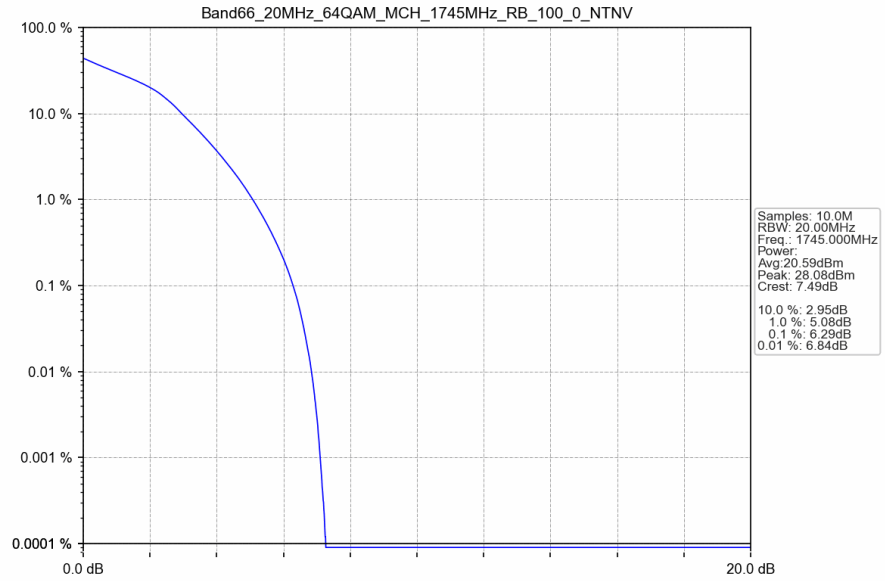
Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	100	0	5.50	<=13	Pass
16QAM	1745	100	0	6.27	<=13	Pass
64QAM	1745	100	0	6.29	<=13	Pass
256QAM	1745	100	0	6.73	<=13	Pass

4.2 Test Graph

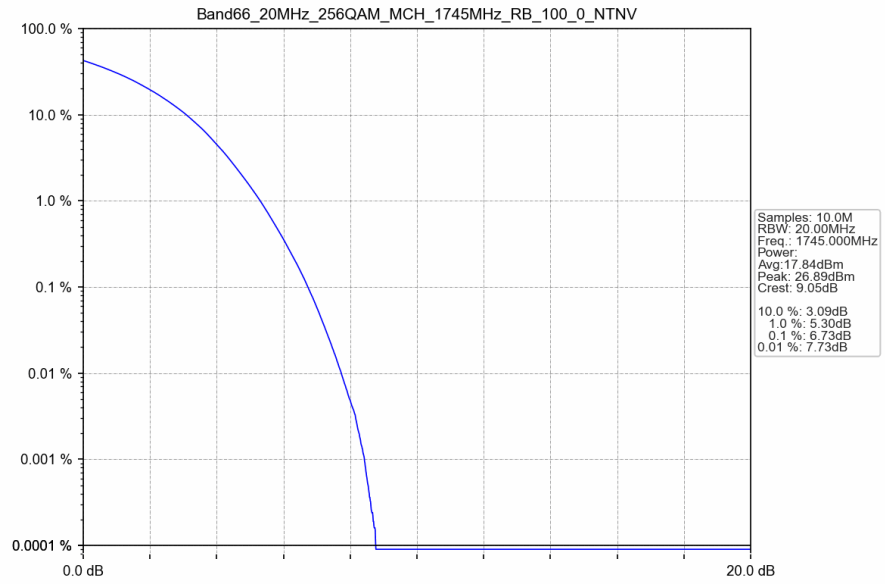
4.2.1 B66_20MHz

Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV

Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV


Band66_20MHz_64QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_256QAM_MCH_1745MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B66_1.4MHz

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

5.1.2 B66_3MHz

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

5.1.3 B66_5MHz

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

5.1.4 B66_10MHz

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

5.1.5 B66_15MHz

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

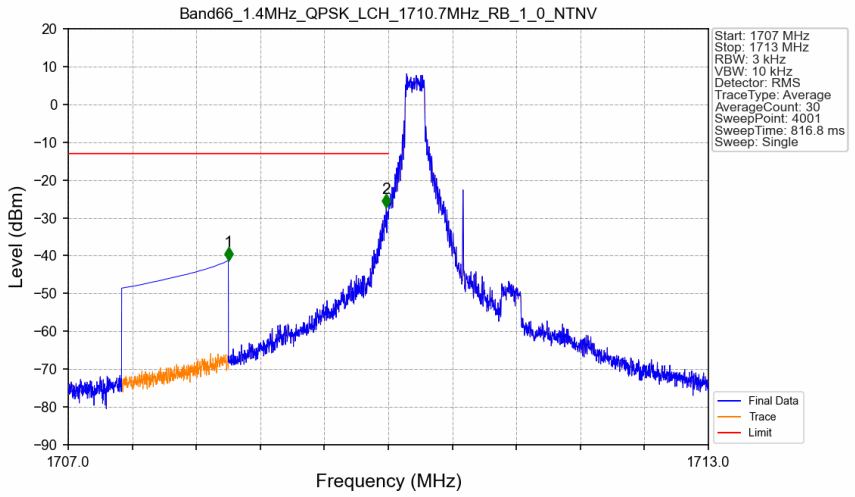
5.1.6 B66_20MHz

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

5.2 Test Graph

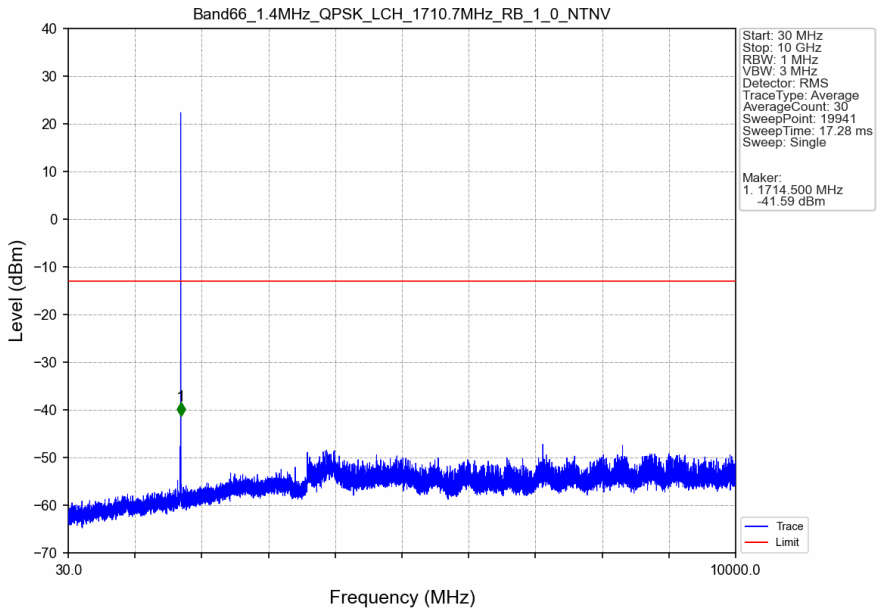
5.2.1 B66_1.4MHz

Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

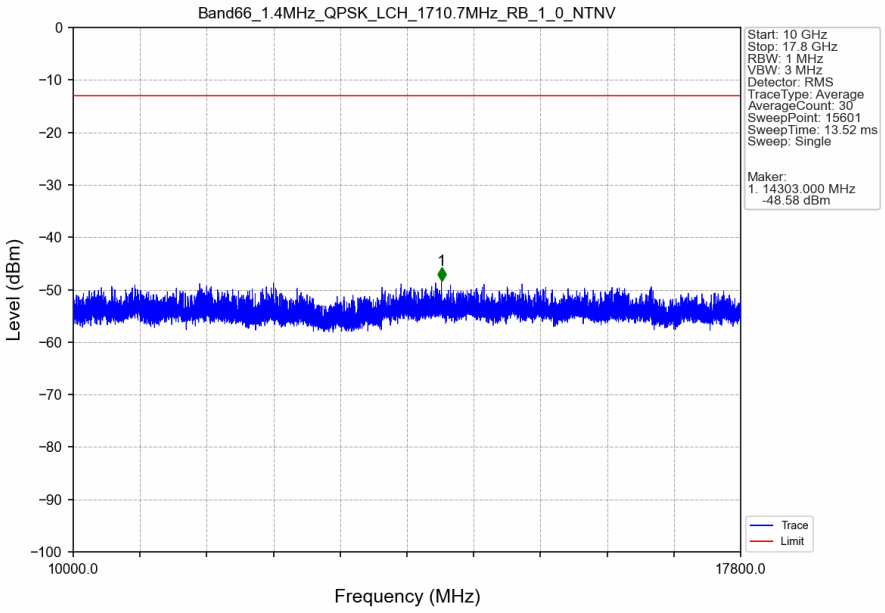


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-41.27	-13	Pass
1709	1710	0.003	/	2	1709.980	-27.26	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

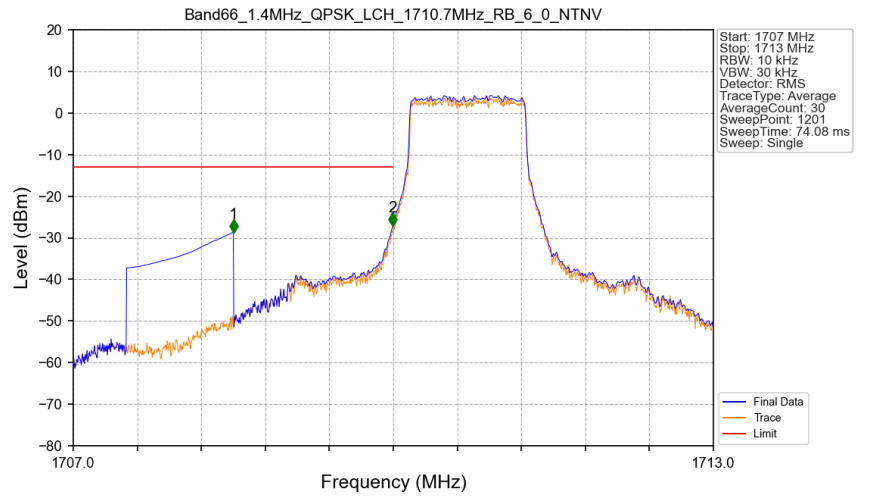
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

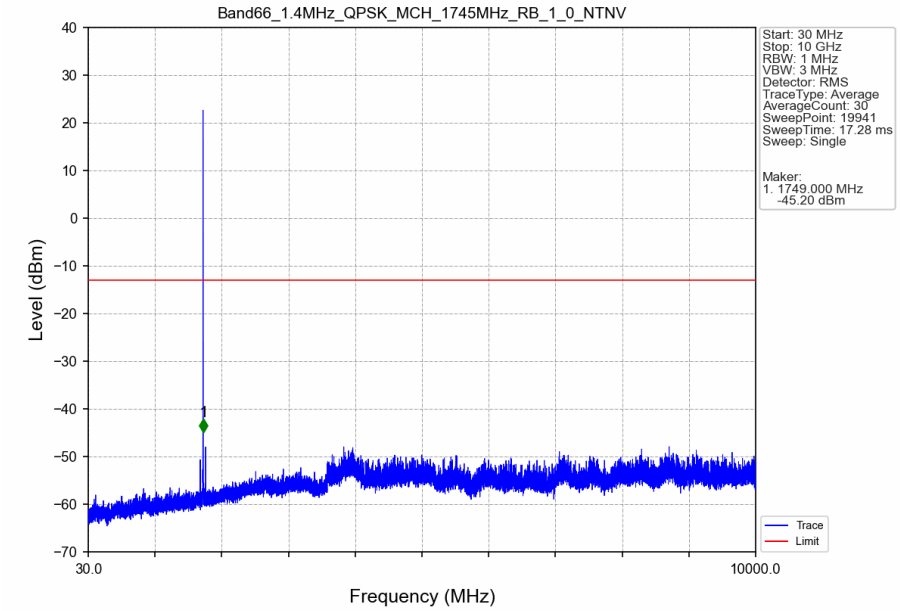


Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

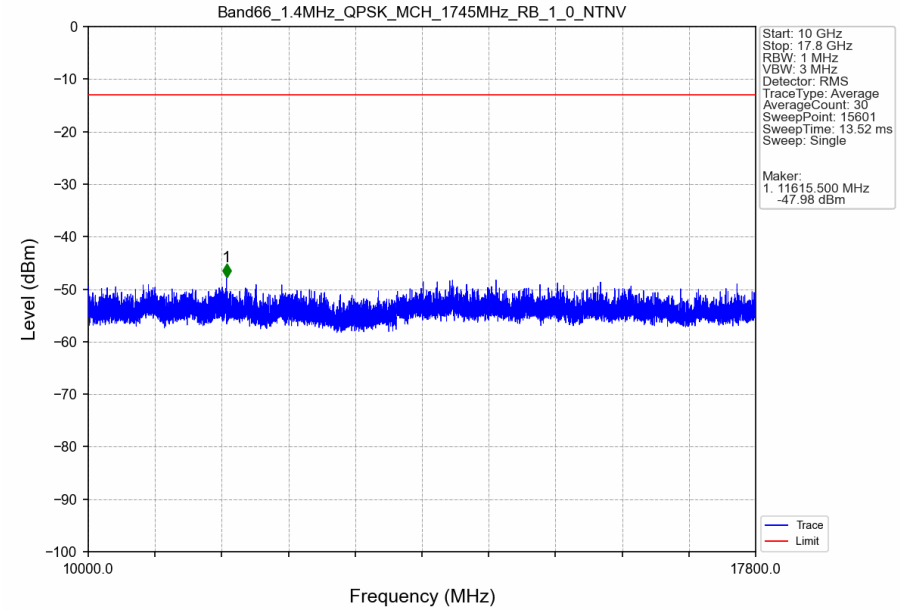


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-28.69	-13	Pass
1709	1710	0.014	CHP	2	1709.995	-27.05	-13	Pass
1710	1713	0.014	CHP	/	/	/	/	/

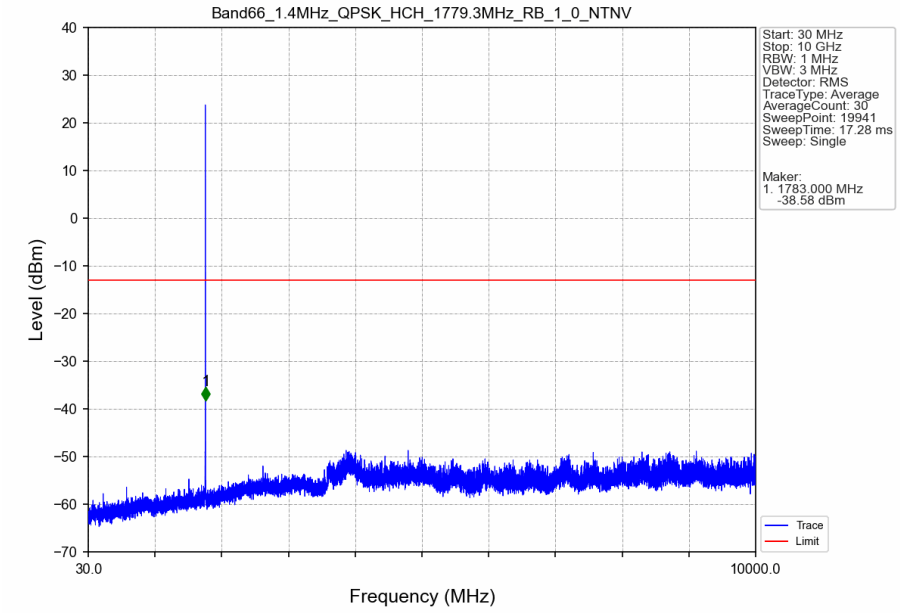
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



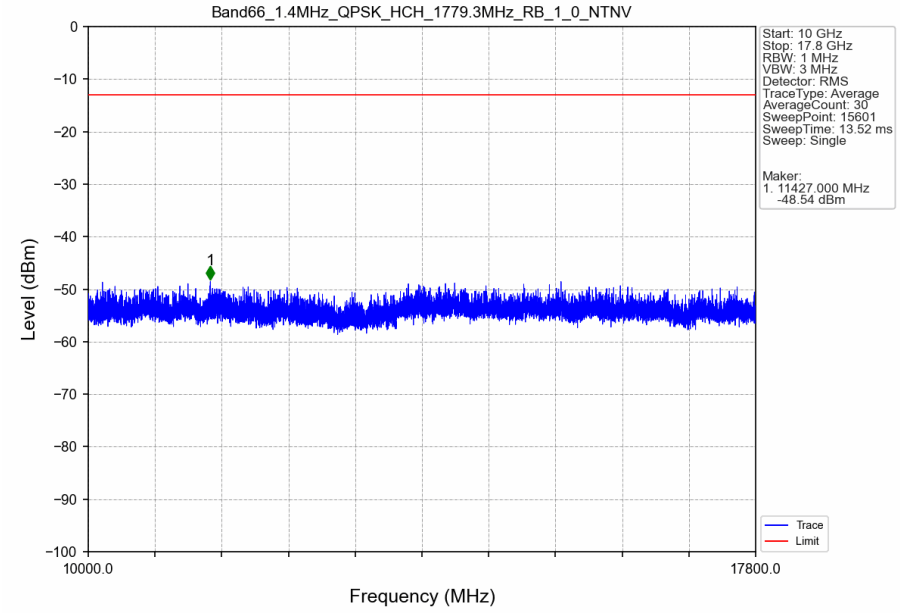
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



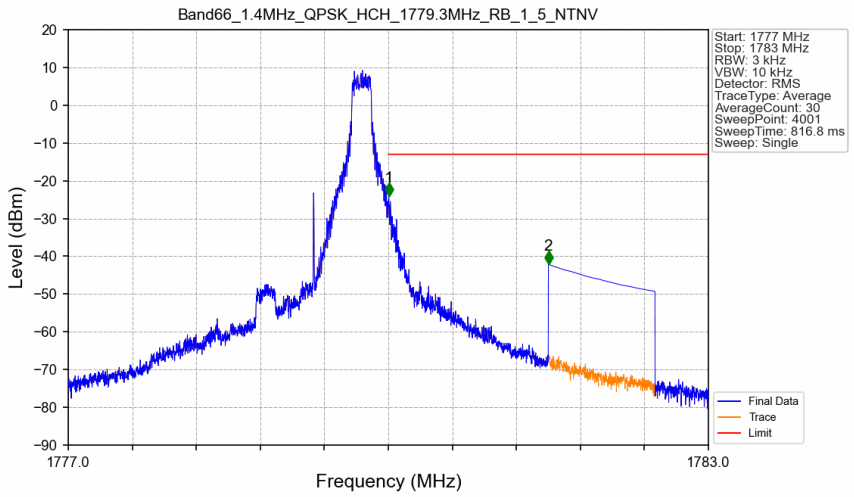
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV



Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV

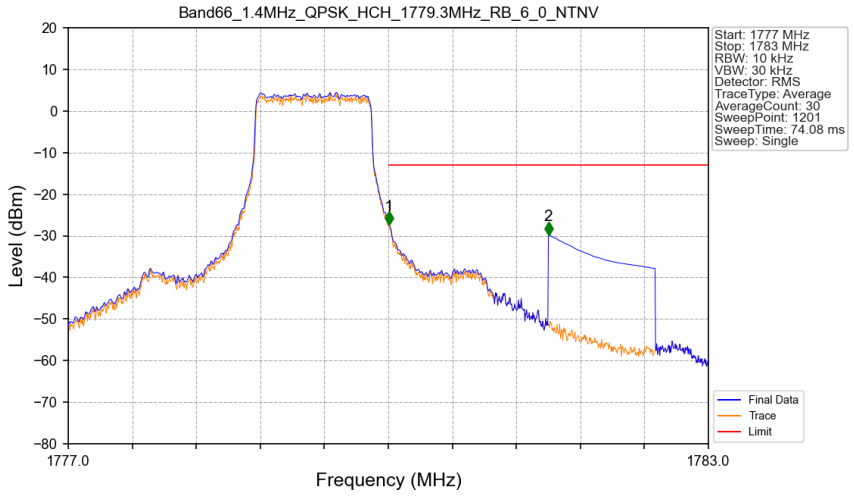


Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.005	-23.93	-13	Pass
1781	1783	1	CHP	2	1781.500	-42.14	-13	Pass

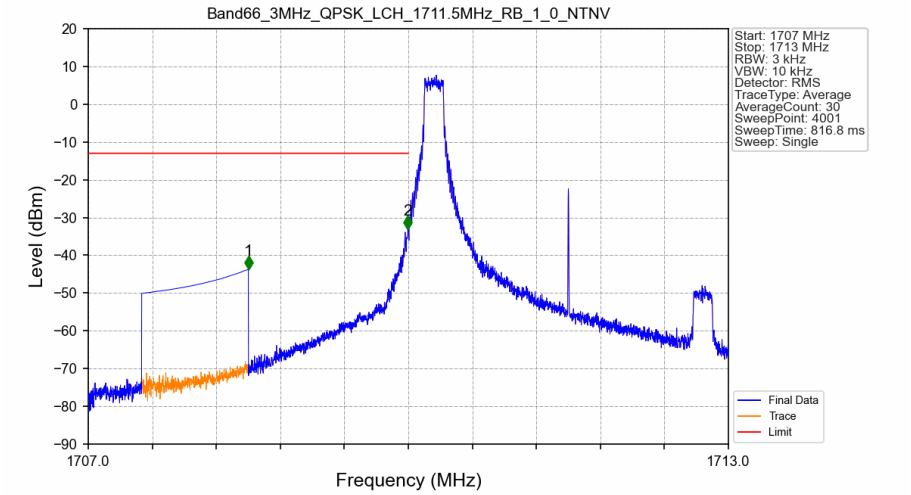
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.014	CHP	/	/	/	/	/
1780	1781	0.014	CHP	1	1780.005	-27.29	-13	Pass
1781	1783	1	CHP	2	1781.500	-29.76	-13	Pass

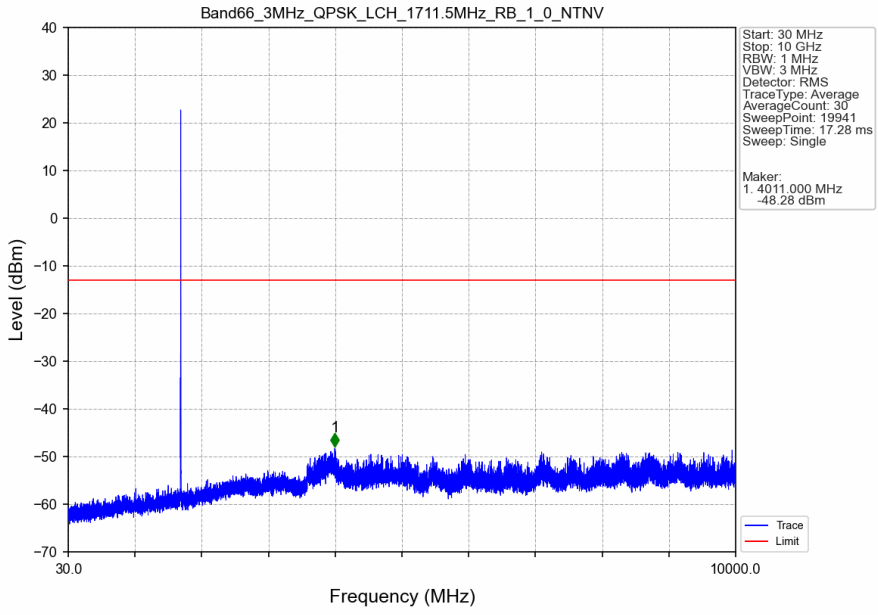
5.2.2 B66_3MHz

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

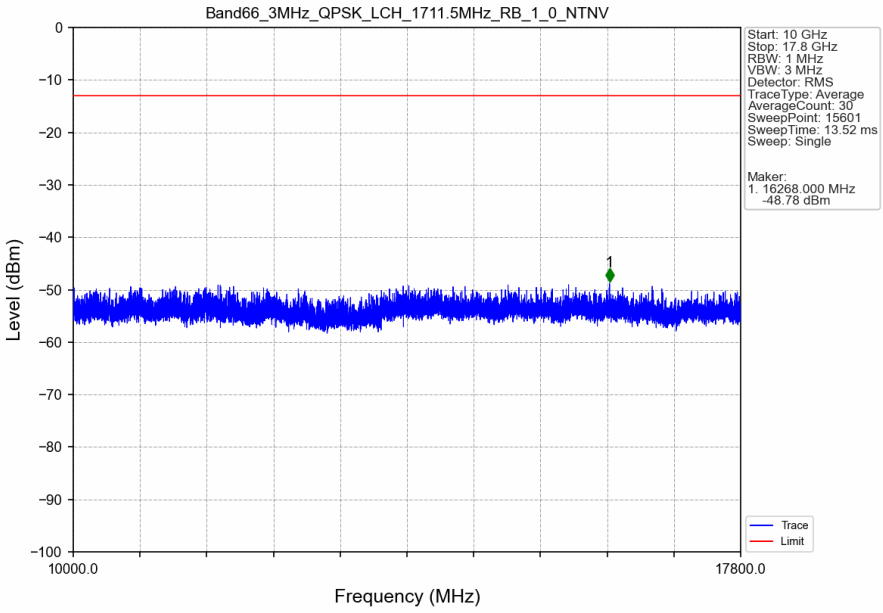


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-43.74	-13	Pass
1709	1710	0.003	/	2	1709.995	-32.94	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

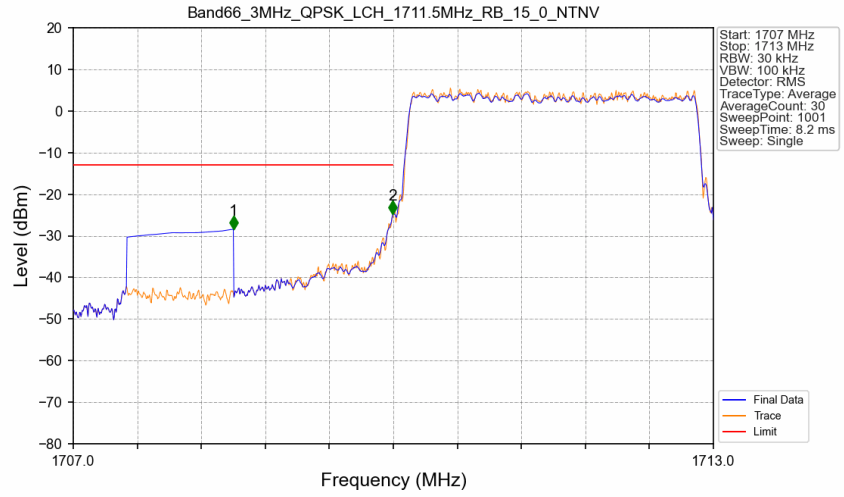
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV

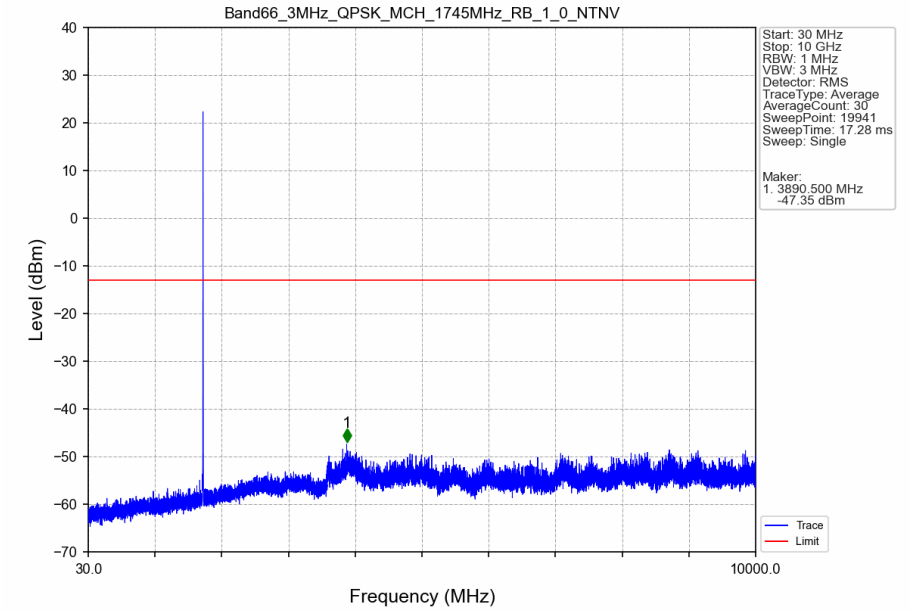


Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

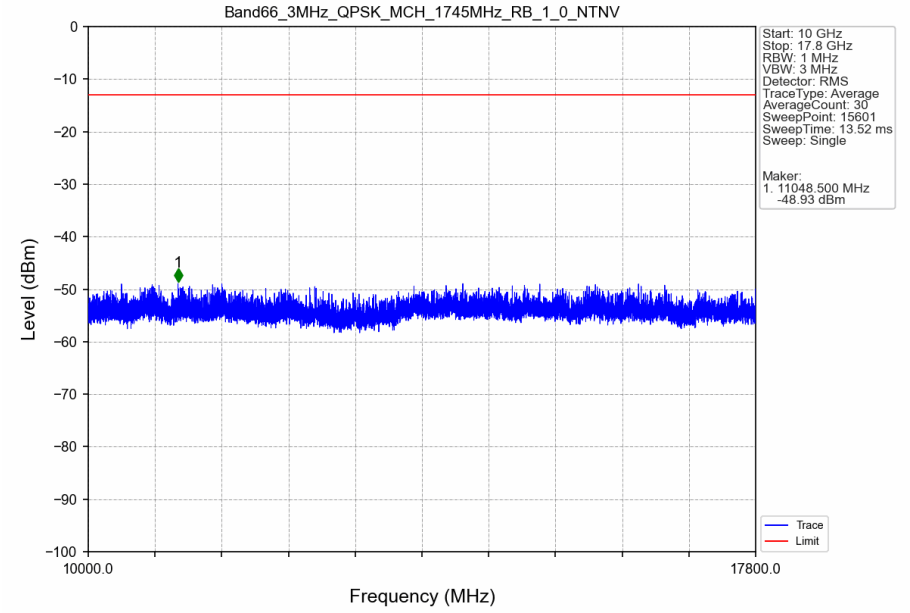


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-28.45	-13	Pass
1709	1710	0.032	CHP	2	1709.994	-24.74	-13	Pass
1710	1713	0.032	CHP	/	/	/	/	/

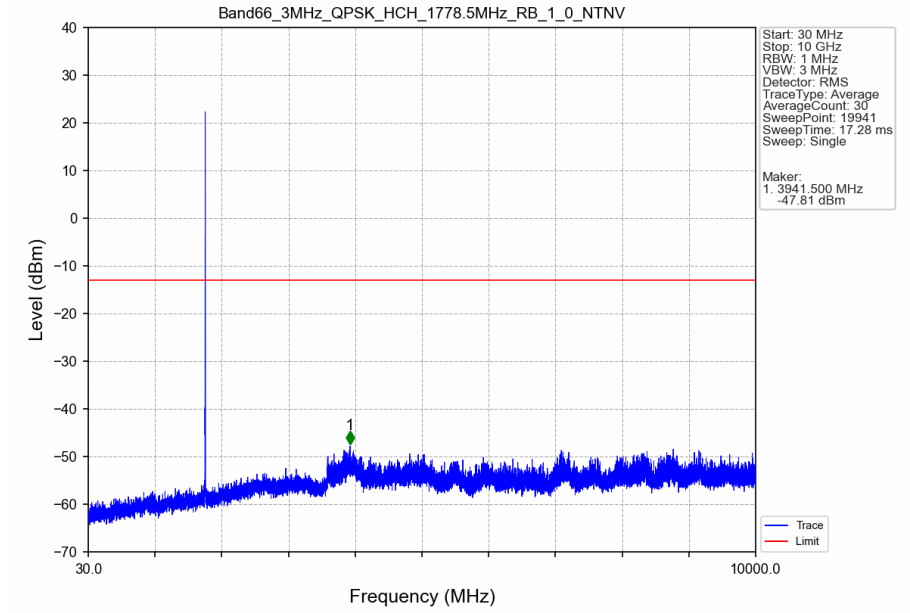
Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



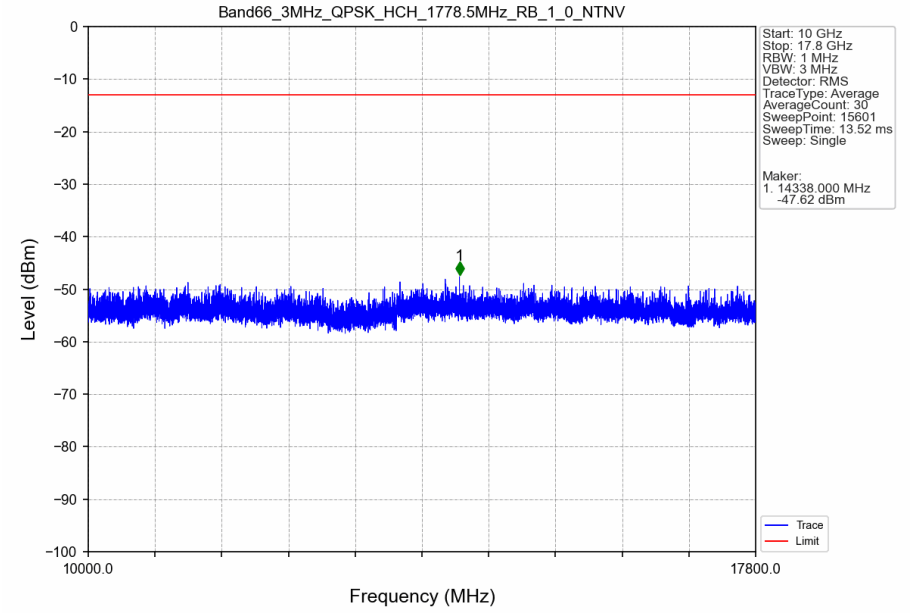
Band66_3MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



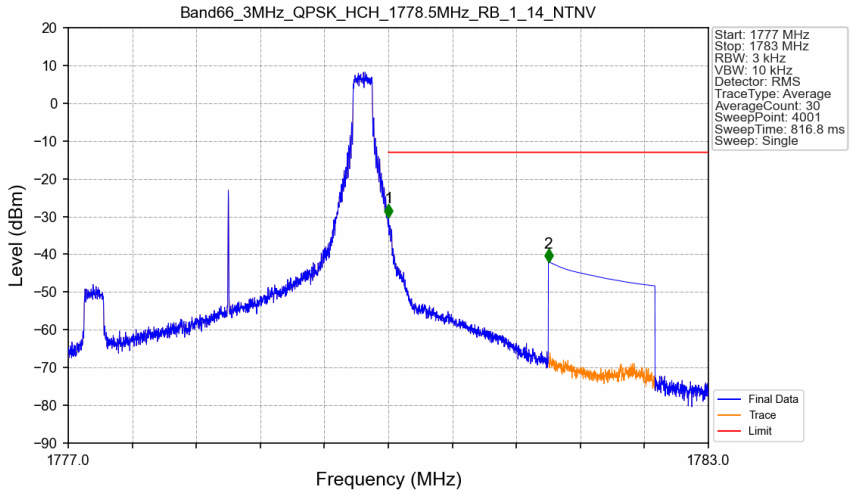
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV



Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_0_NTNV

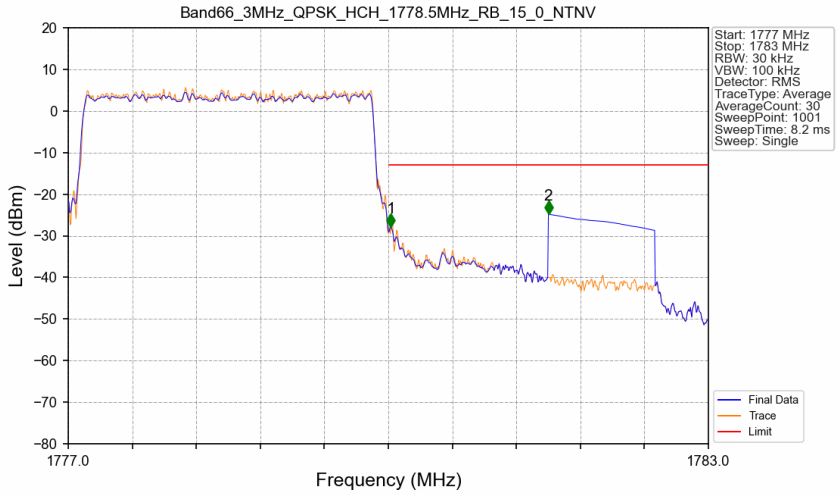


Band66_3MHz_QPSK_HCH_1778.5MHz_RB_1_14_NTNV



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	1780.003	-30.13	-13	Pass
1781	1783	1	CHP	2	1781.500	-41.98	-13	Pass

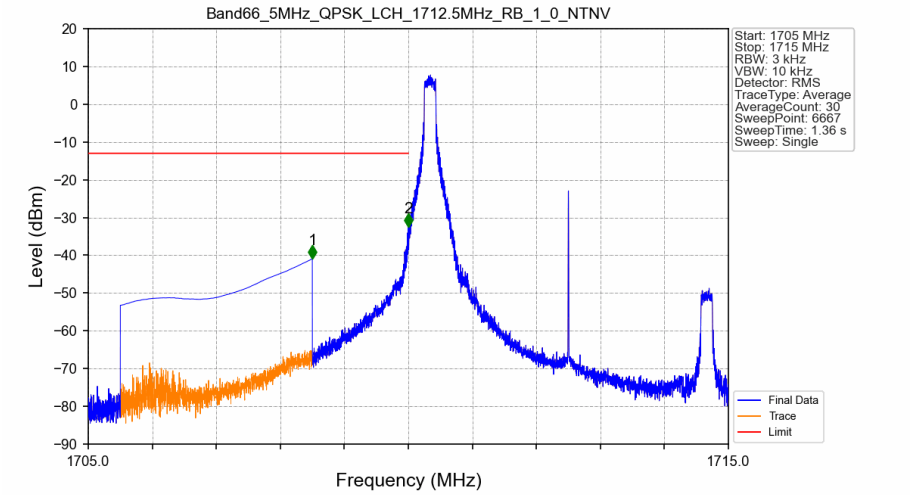
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1777	1780	0.032	CHP	/	/	/	/	/
1780	1781	0.032	CHP	1	1780.024	-27.81	-13	Pass
1781	1783	1	CHP	2	1781.500	-24.82	-13	Pass

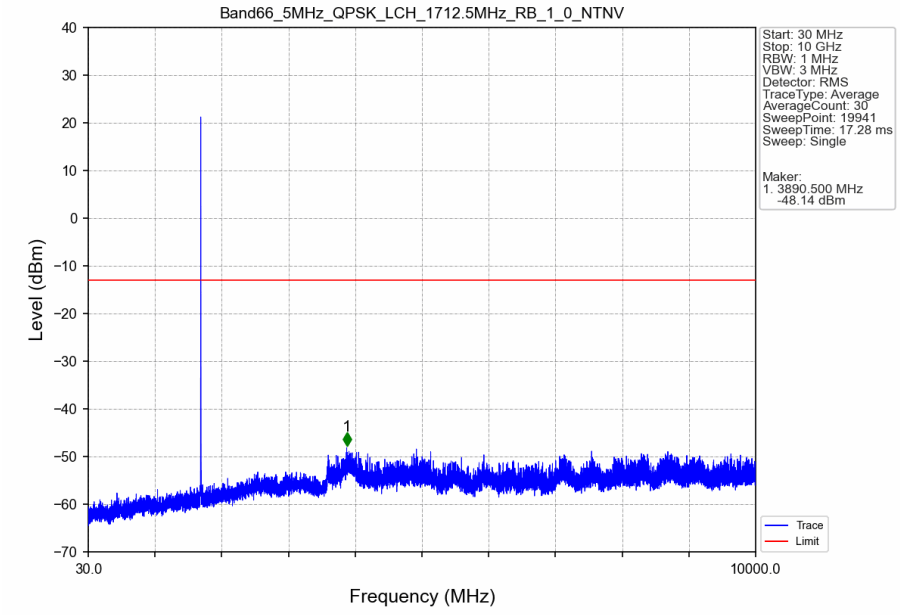
5.2.3 B66_5MHz

Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

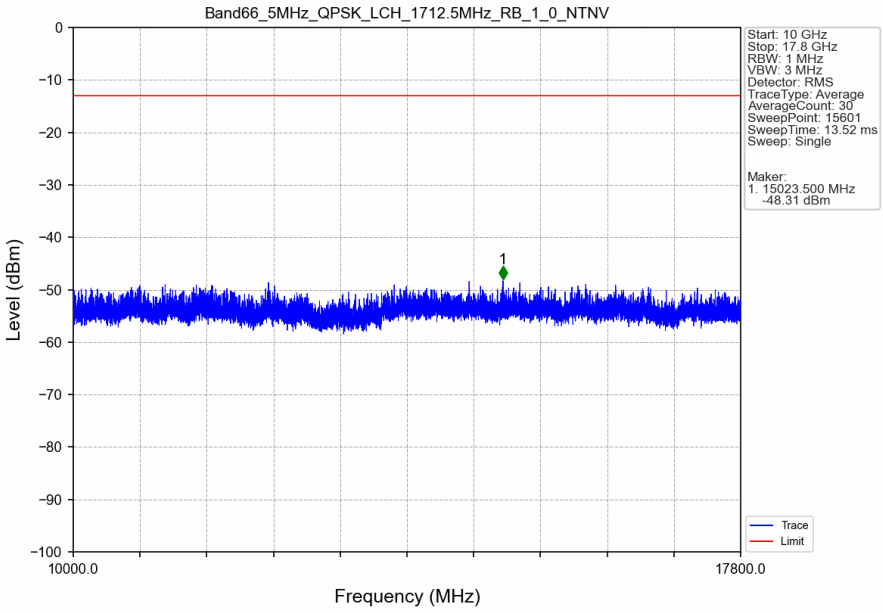


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-40.89	-13	Pass
1709	1710	0.003	/	2	1709.998	-32.39	-13	Pass
1710	1715	0.003	/	/	/	/	/	/

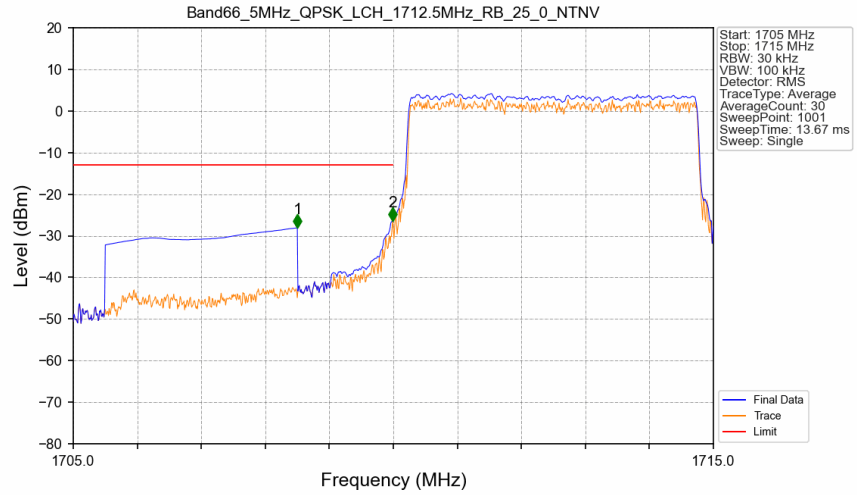
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV



Band66_5MHz_QPSK_LCH_1712.5MHz_RB_1_0_NTNV

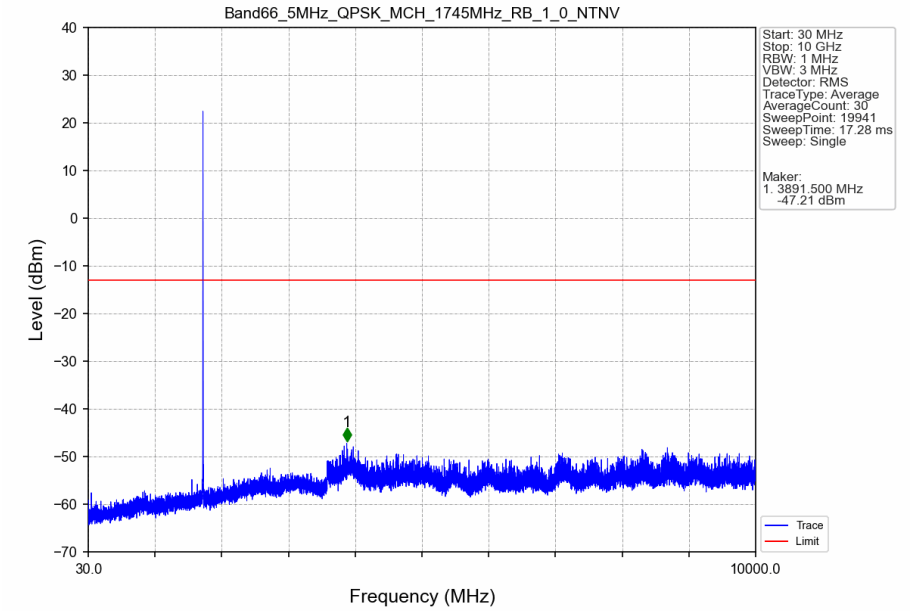


Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

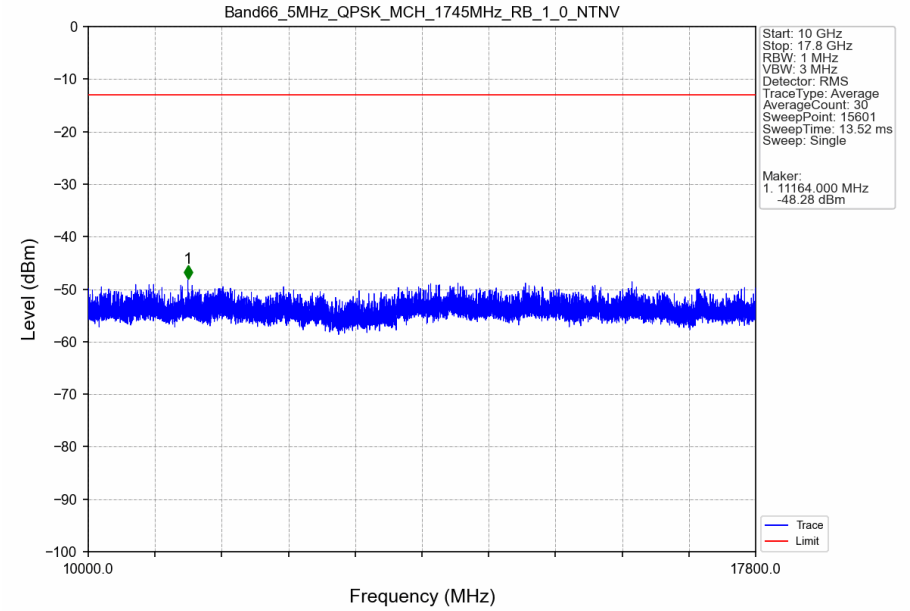


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1705	1709	1	CHP	1	1708.500	-28.10	-13	Pass
1709	1710	0.053	CHP	2	1709.990	-26.31	-13	Pass
1710	1715	0.053	CHP	/	/	/	/	/

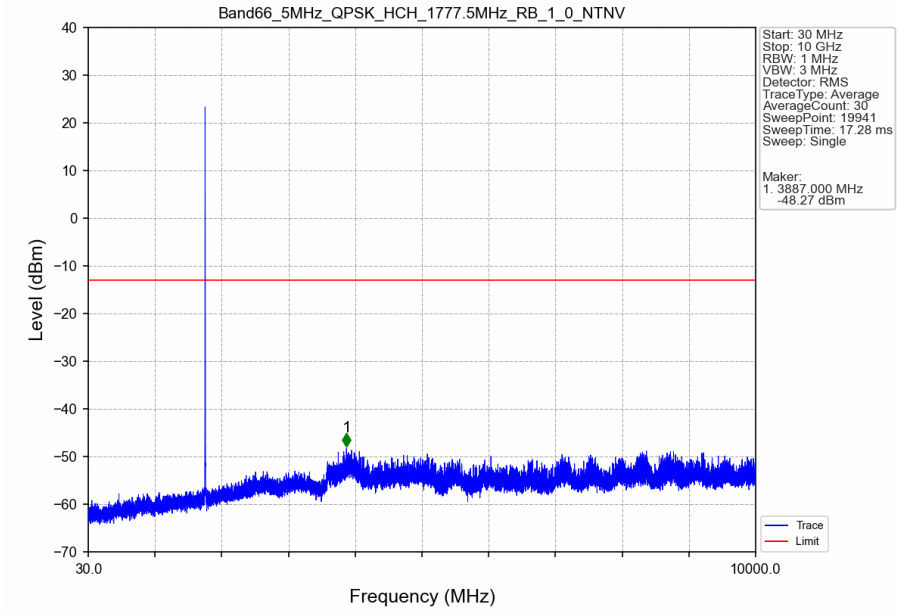
Band66_5MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



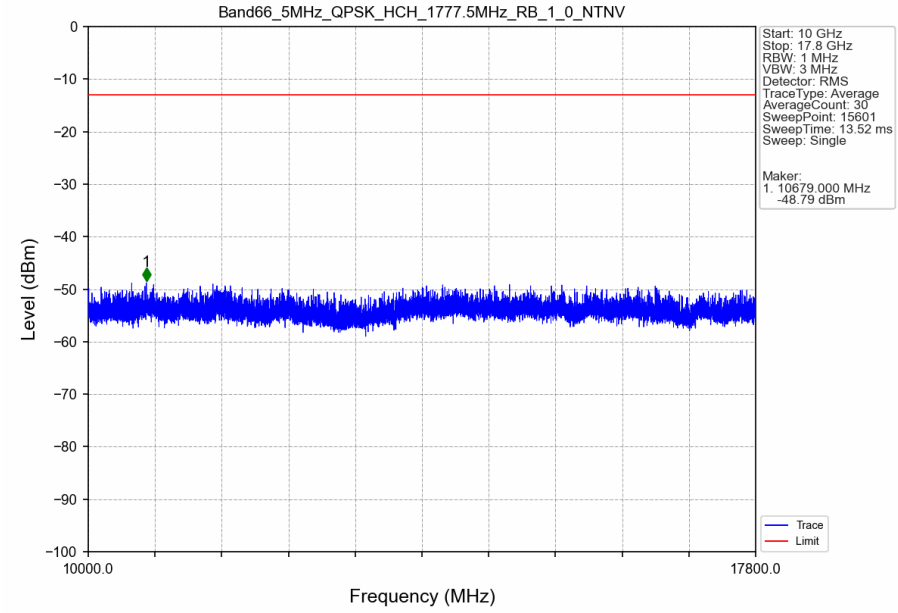
Band66_5MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



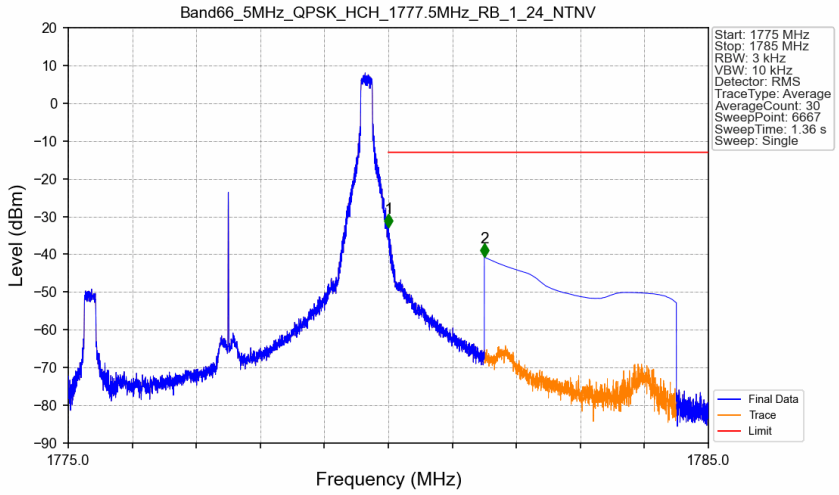
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV



Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_0_NTNV

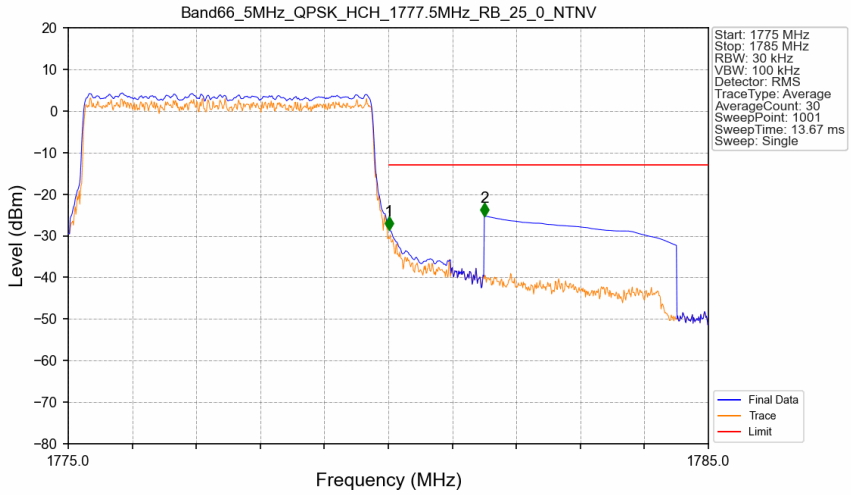


Band66_5MHz_QPSK_HCH_1777.5MHz_RB_1_24_NTNV



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	1780.002	-32.89	-13	Pass
1781	1785	1	CHP	2	1781.500	-40.72	-13	Pass

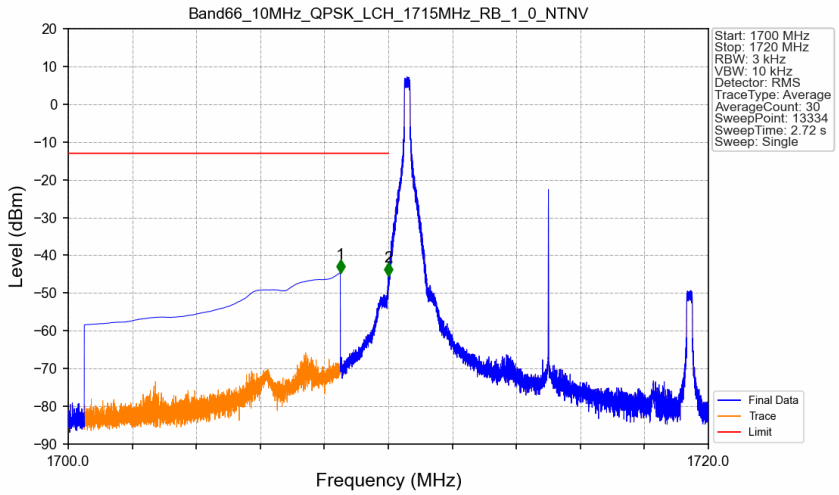
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1775	1780	0.053	CHP	/	/	/	/	/
1780	1781	0.053	CHP	1	1780.010	-28.51	-13	Pass
1781	1785	1	CHP	2	1781.500	-25.24	-13	Pass

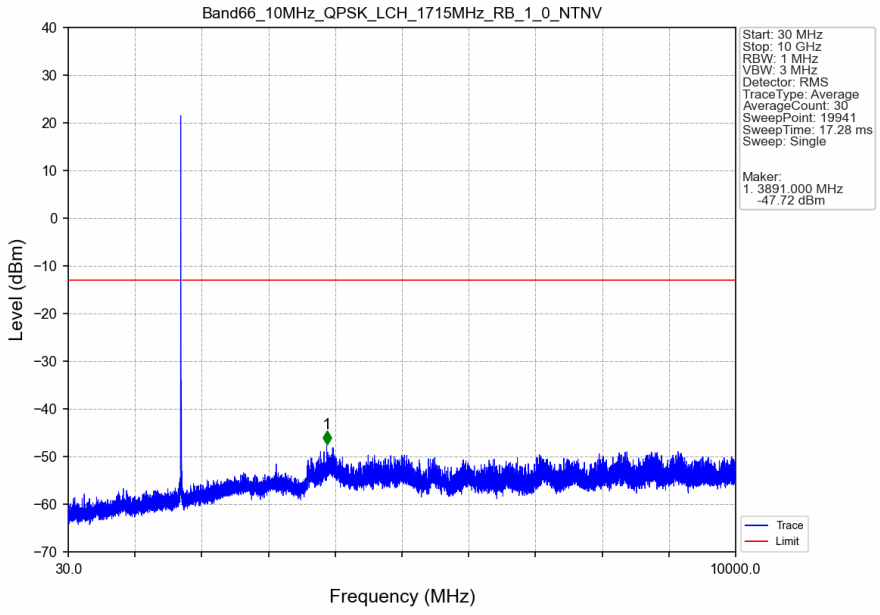
5.2.4 B66_10MHz

Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

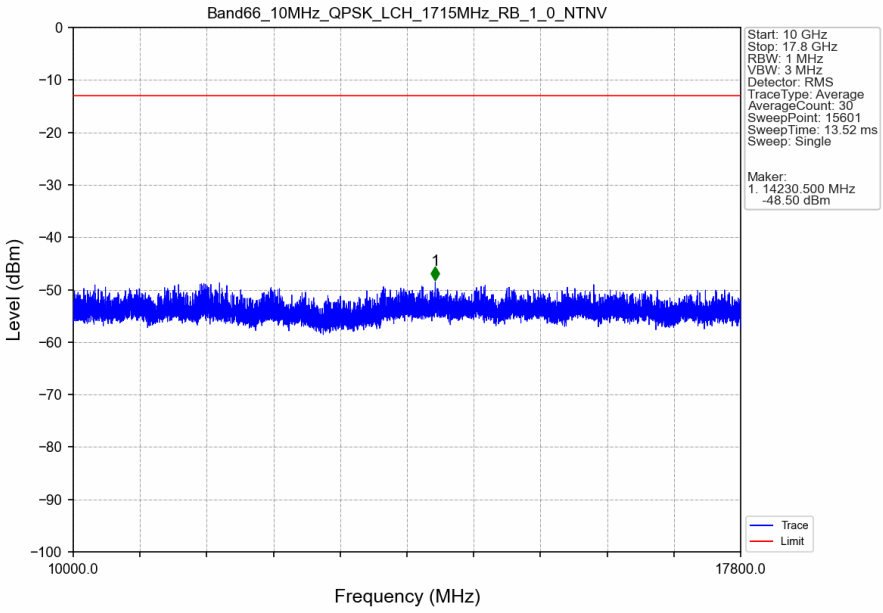


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.499	-44.57	-13	Pass
1709	1710	0.003	/	2	1709.999	-45.42	-13	Pass
1710	1720	0.003	/	/	/	/	/	/

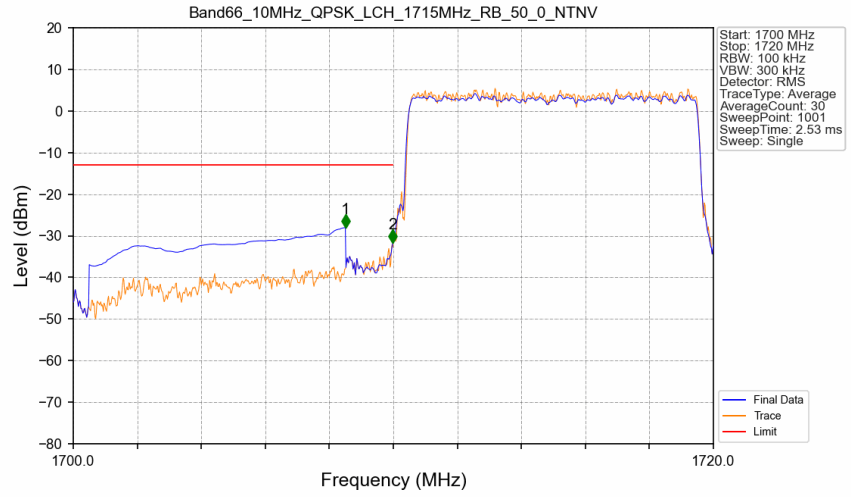
Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV



Band66_10MHz_QPSK_LCH_1715MHz_RB_1_0_NTNV

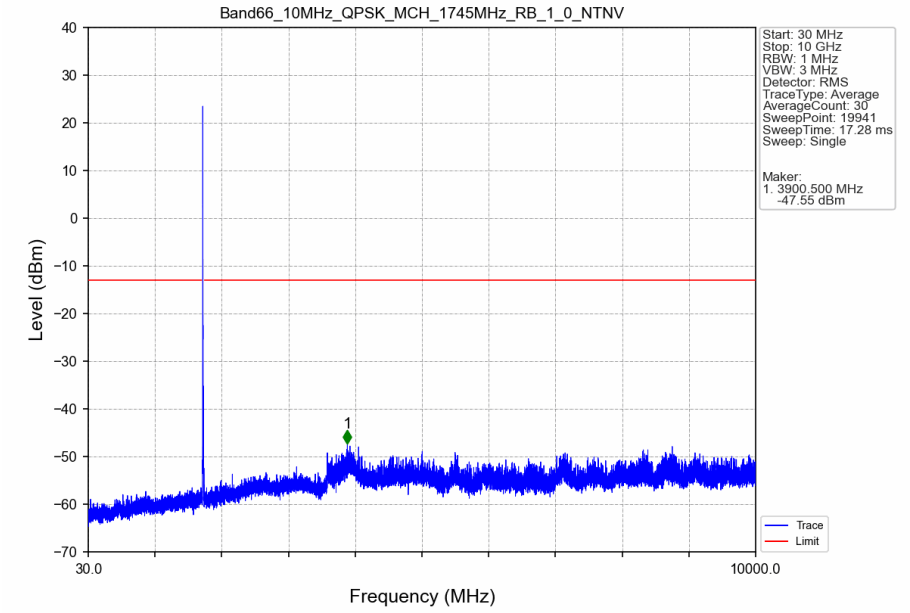


Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

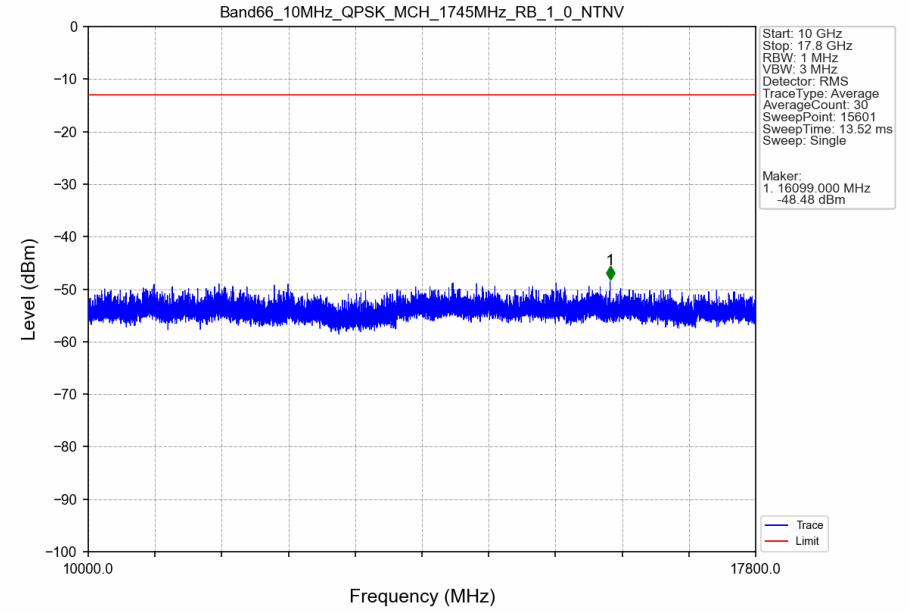


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1700	1709	1	CHP	1	1708.500	-28.02	-13	Pass
1709	1710	0.102	CHP	2	1709.980	-31.76	-13	Pass
1710	1720	0.102	CHP	/	/	/	/	/

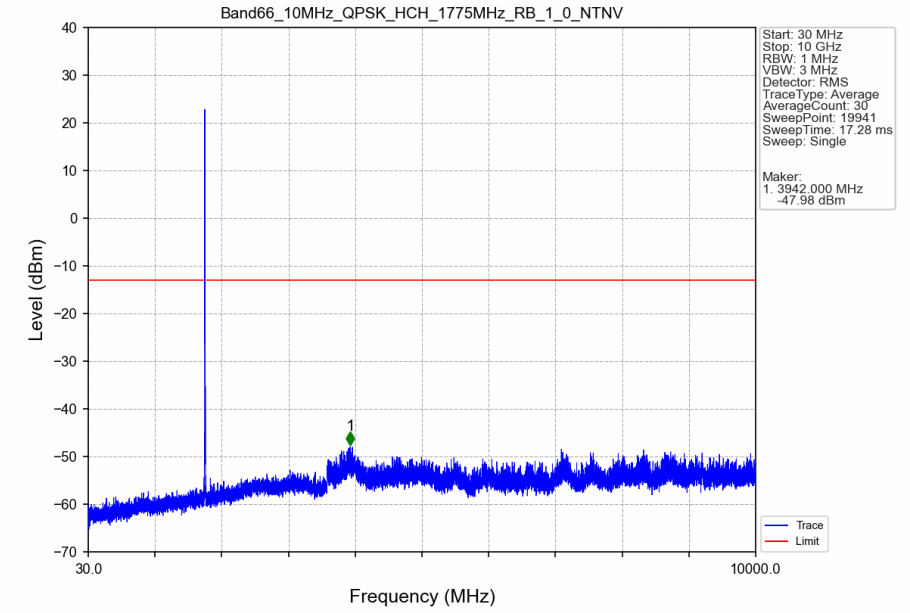
Band66_10MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



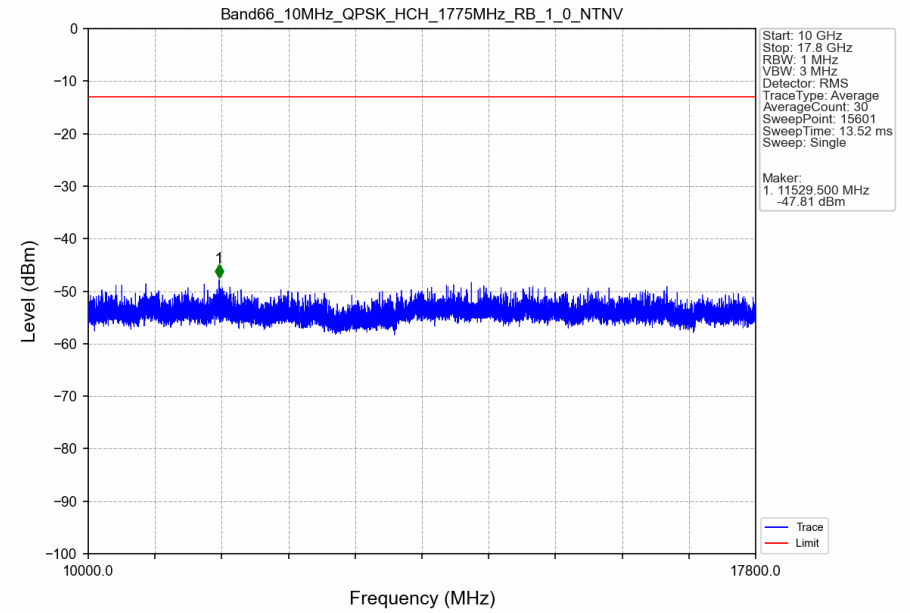
Band66_10MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



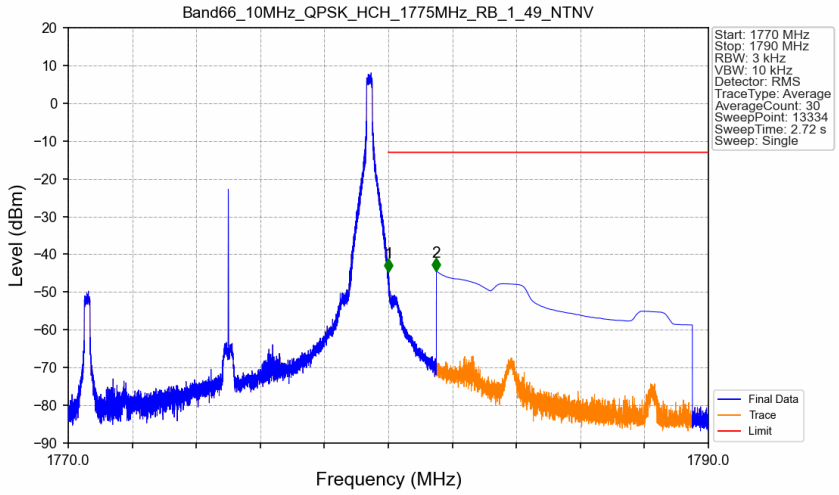
Band66_10MHz_QPSK_HCH_1775MHz_RB_1_0_NTNV



Band66_10MHz_QPSK_HCH_1775MHz_RB_1_0_NTNV

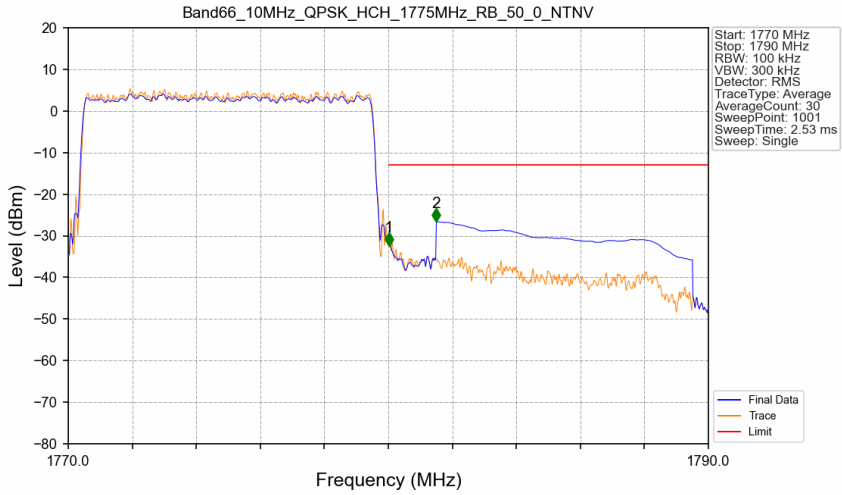


Band66_10MHz_QPSK_HCH_1775MHz_RB_1_49_NTNV



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	-44.67	-13	Pass
1781	1790	1	CHP	2	1781.501	-44.47	-13	Pass

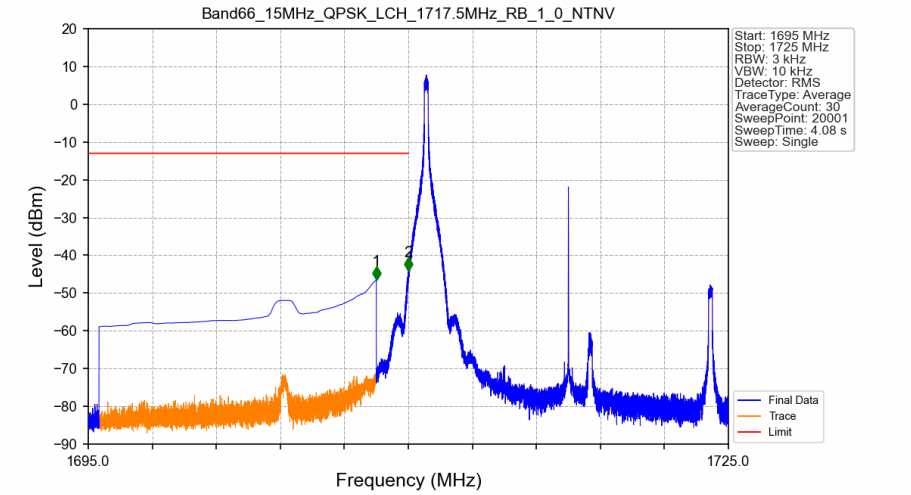
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1770	1780	0.102	CHP	/	/	/	/	/
1780	1781	0.102	CHP	1	1780.020	-32.37	-13	Pass
1781	1790	1	CHP	2	1781.500	-26.61	-13	Pass

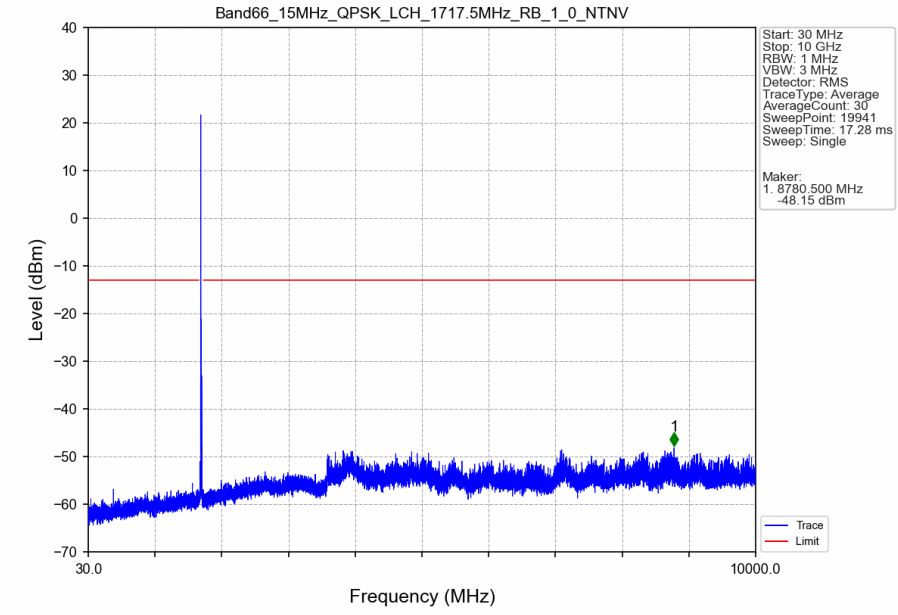
5.2.5 B66_15MHz

Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

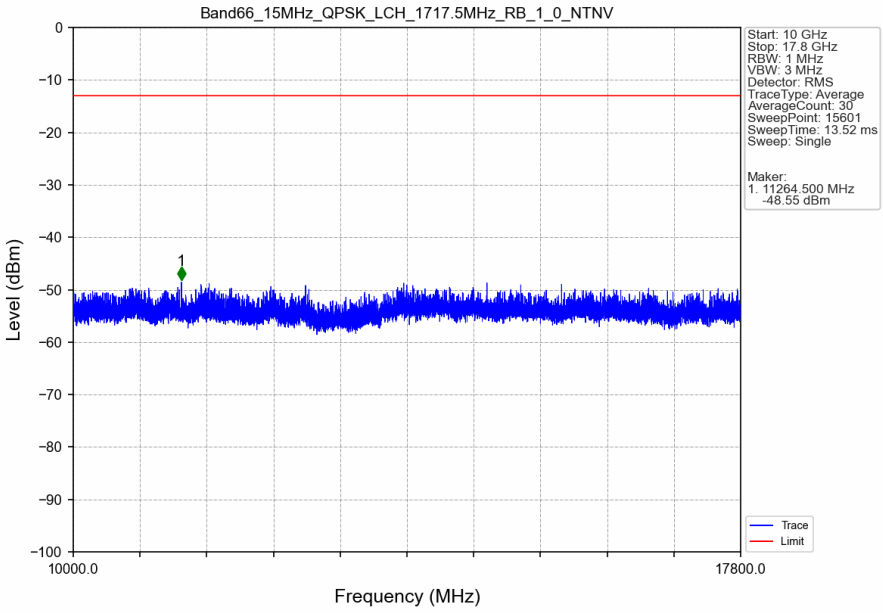


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.500	-46.54	-13	Pass
1709	1710	0.003	/	2	1709.995	-43.98	-13	Pass
1710	1725	0.003	/	/	/	/	/	/

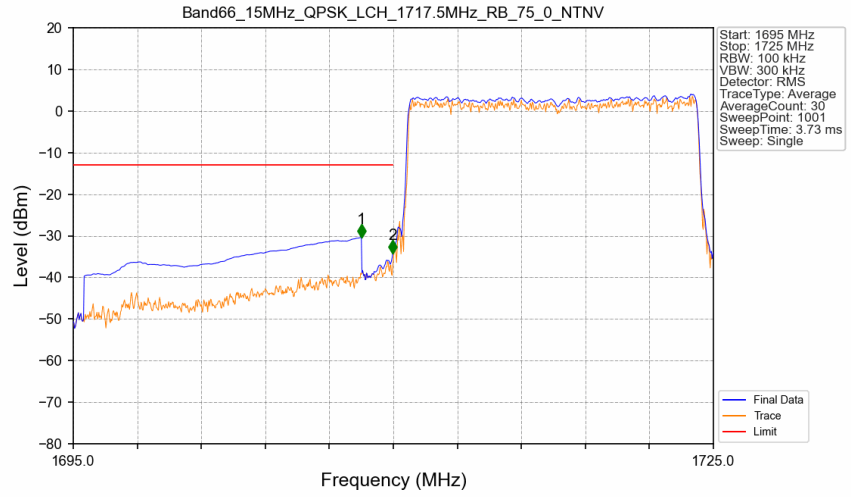
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



Band66_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV

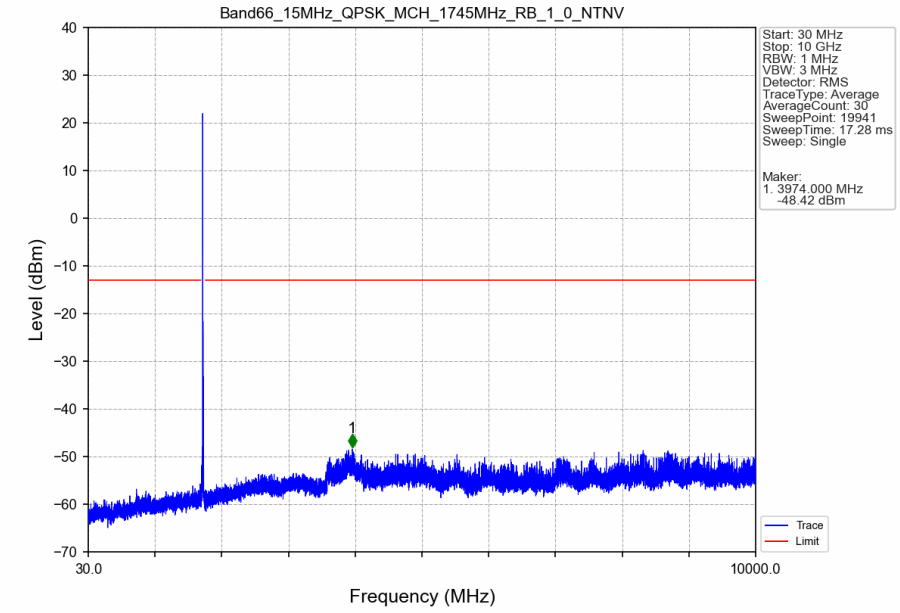


Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

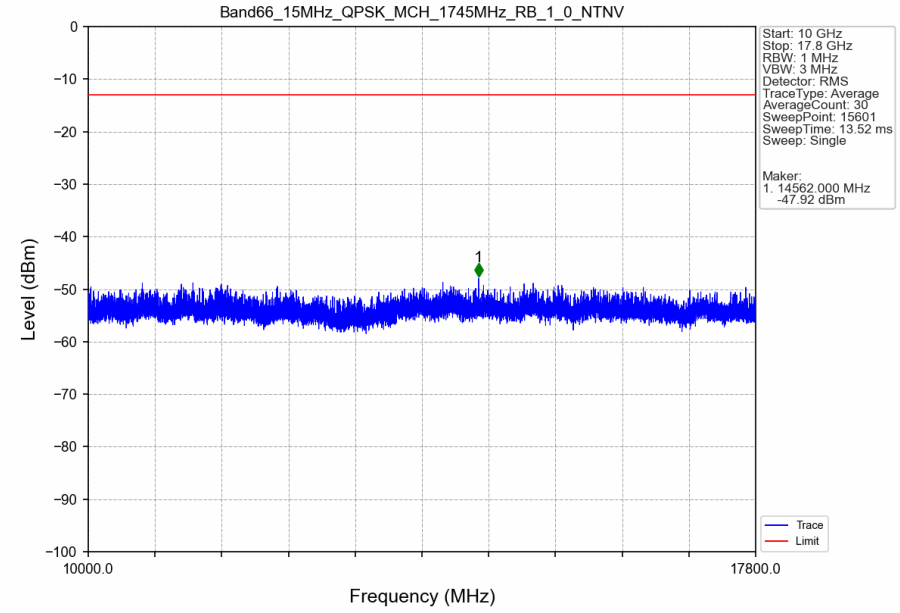


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.500	-30.34	-13	Pass
1709	1710	0.153	CHP	2	1709.970	-34.18	-13	Pass
1710	1725	0.153	CHP	/	/	/	/	/

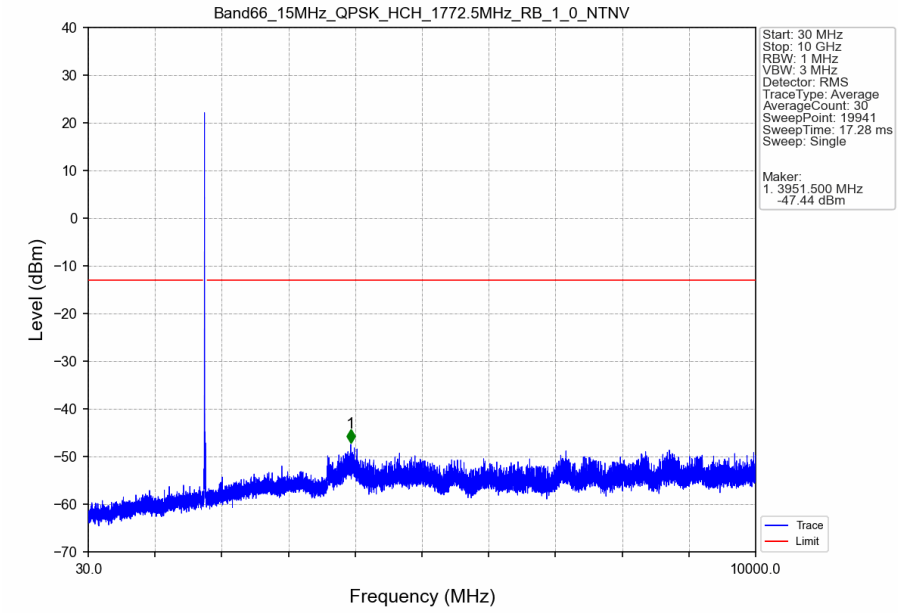
Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



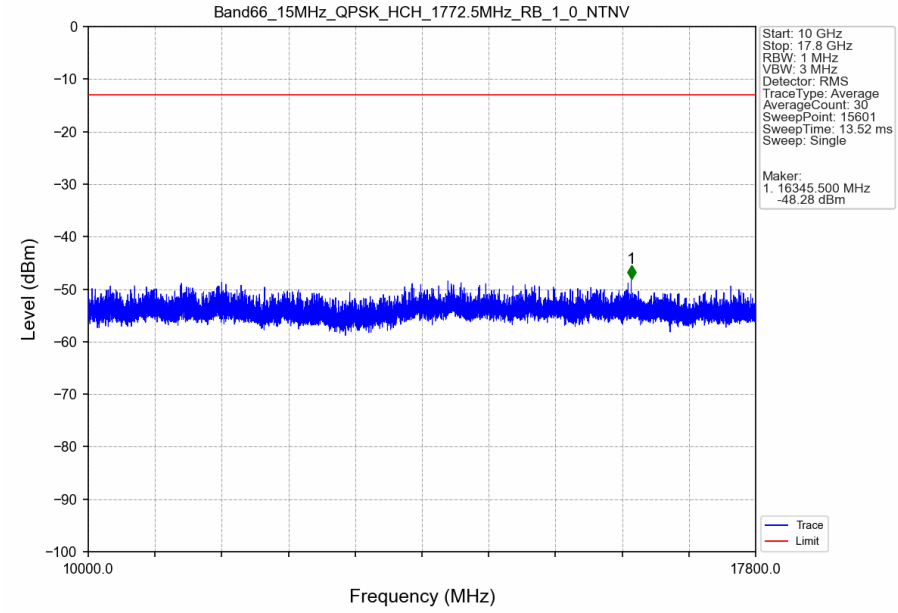
Band66_15MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



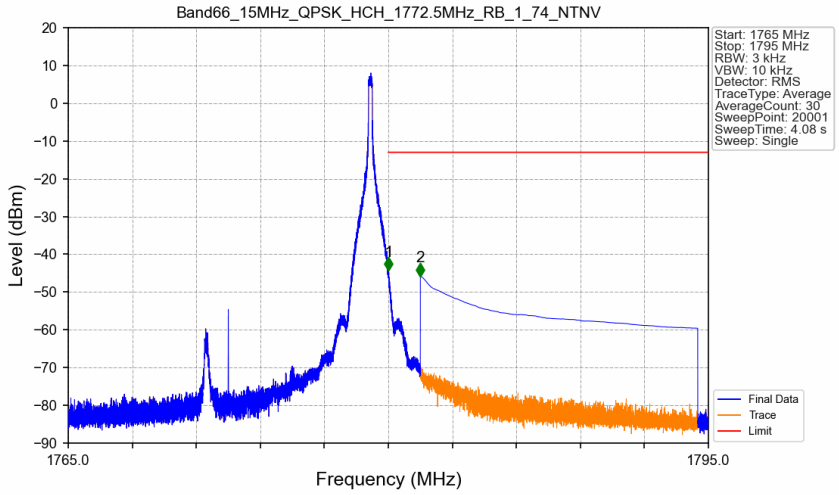
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV



Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_0_NTNV

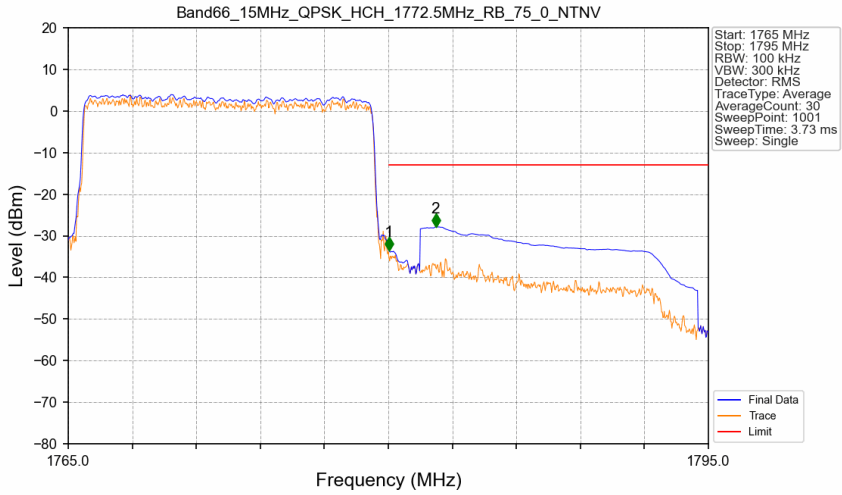


Band66_15MHz_QPSK_HCH_1772.5MHz_RB_1_74_NTNV



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	1780.005	-44.31	-13	Pass
1781	1795	1	CHP	2	1781.500	-45.76	-13	Pass

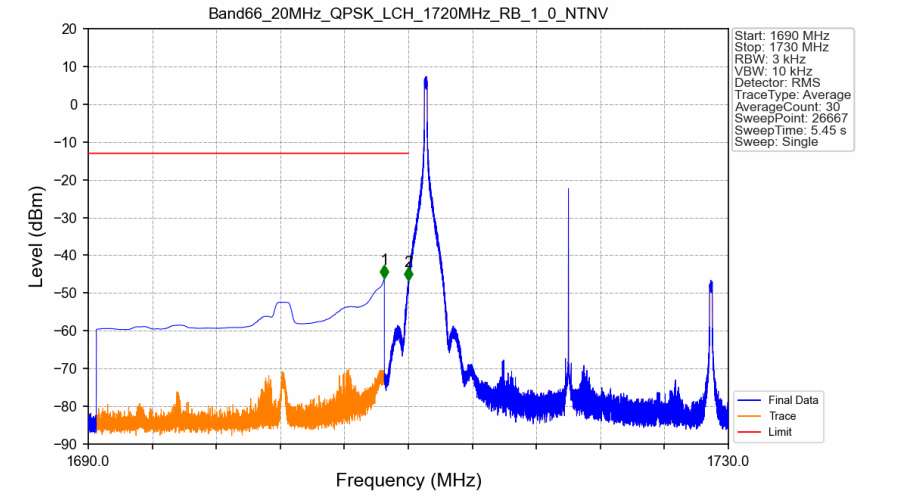
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1765	1780	0.153	CHP	/	/	/	/	/
1780	1781	0.153	CHP	1	1780.030	-33.57	-13	Pass
1781	1795	1	CHP	2	1782.220	-27.86	-13	Pass

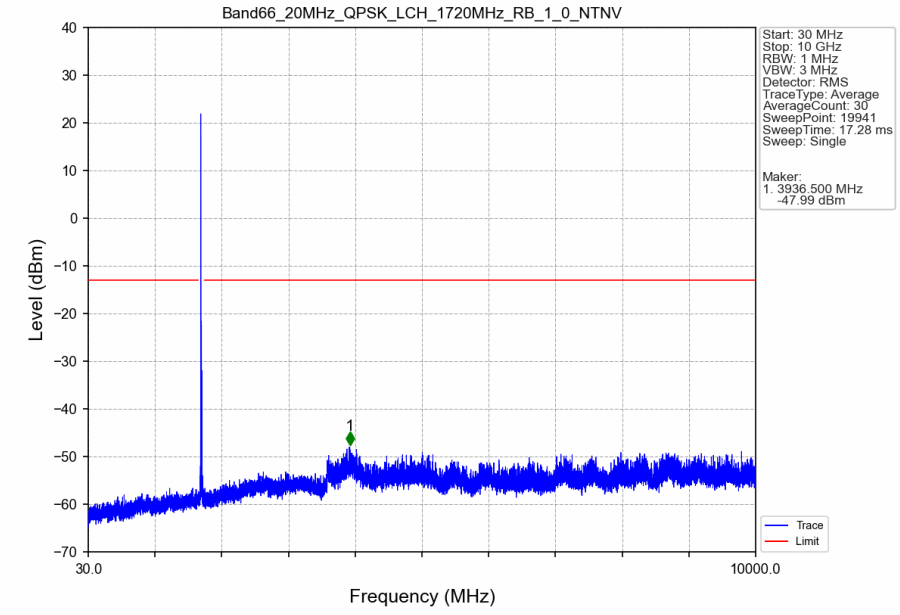
5.2.6 B66_20MHz

Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

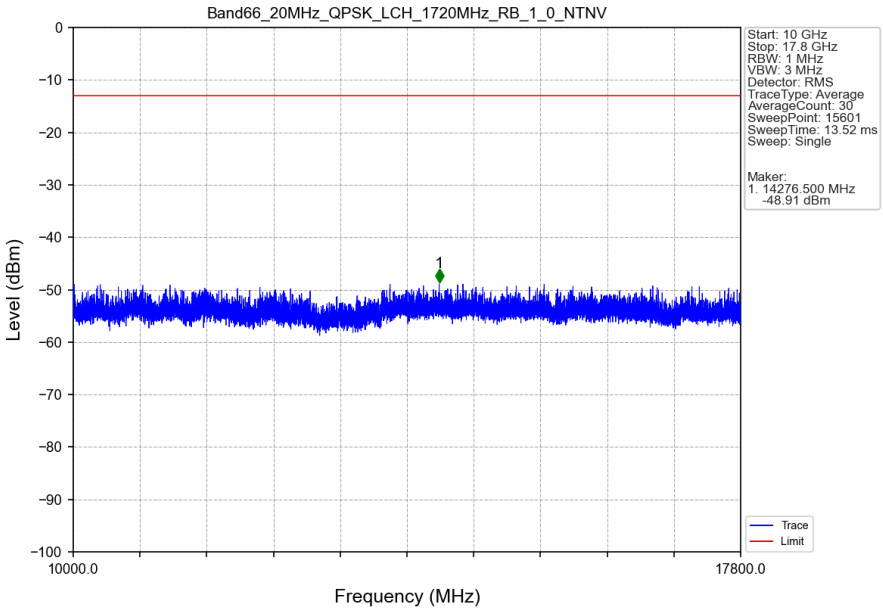


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.500	-46.08	-13	Pass
1709	1710	0.003	/	2	1709.994	-46.75	-13	Pass
1710	1730	0.003	/	/	/	/	/	/

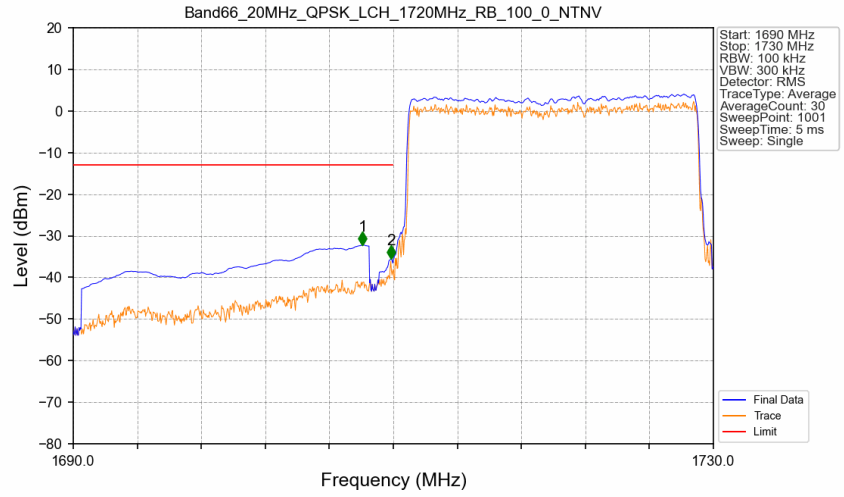
Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV



Band66_20MHz_QPSK_LCH_1720MHz_RB_1_0_NTNV

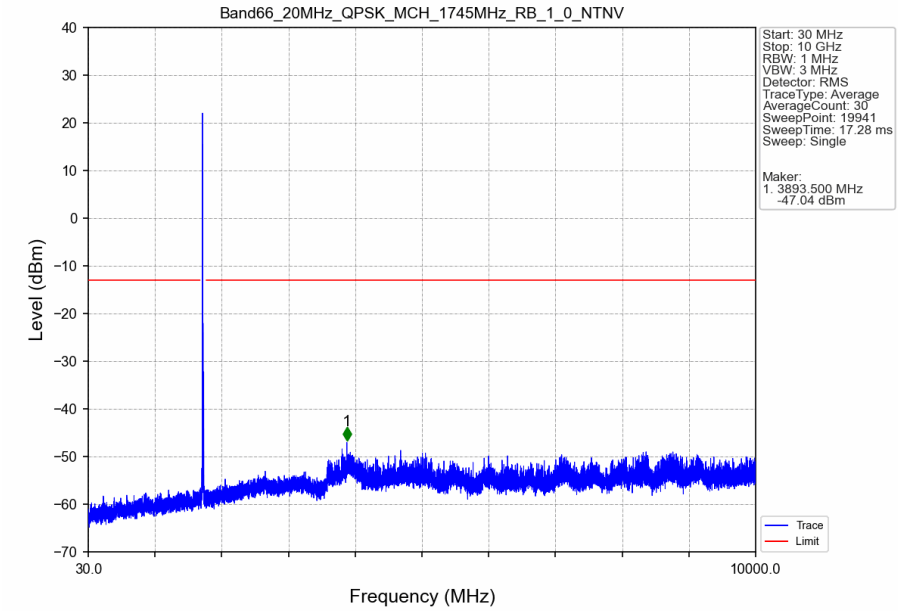


Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

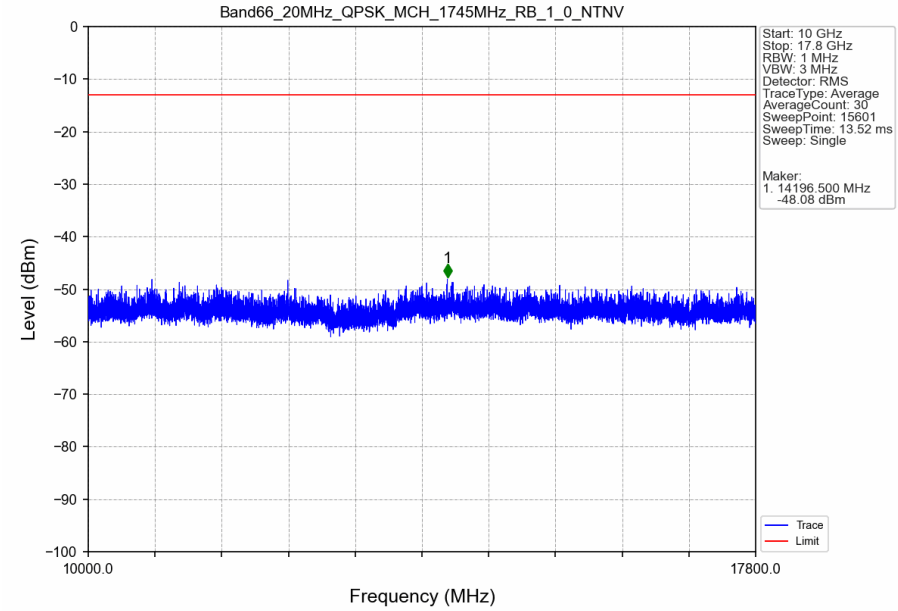


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1709	1	CHP	1	1708.080	-32.17	-13	Pass
1709	1710	0.201	CHP	2	1709.880	-35.43	-13	Pass
1710	1730	0.201	CHP	/	/	/	/	/

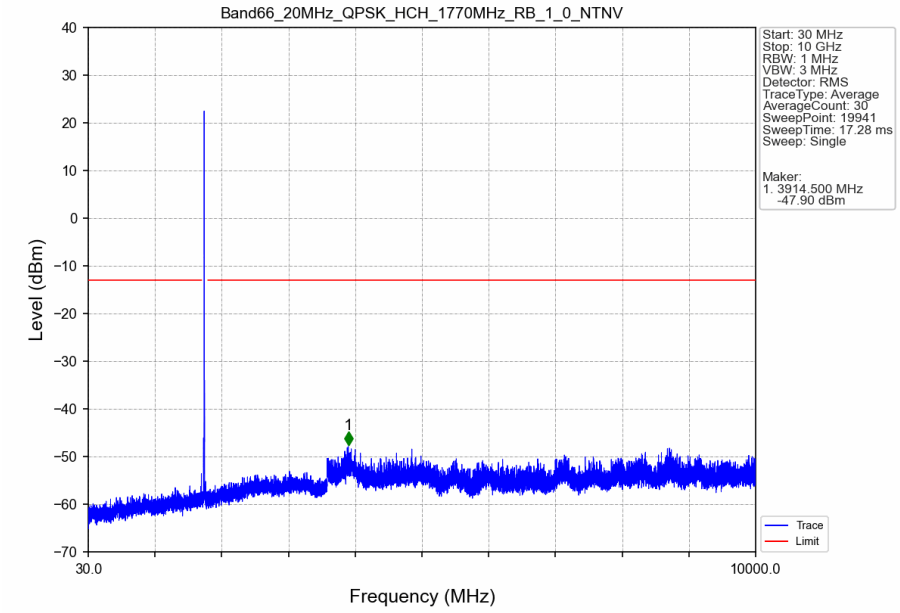
Band66_20MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



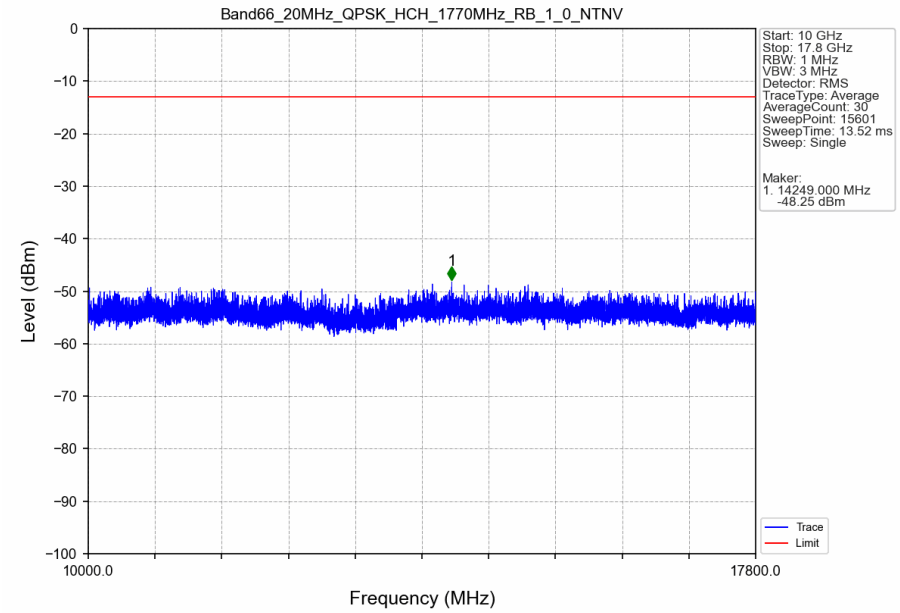
Band66_20MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



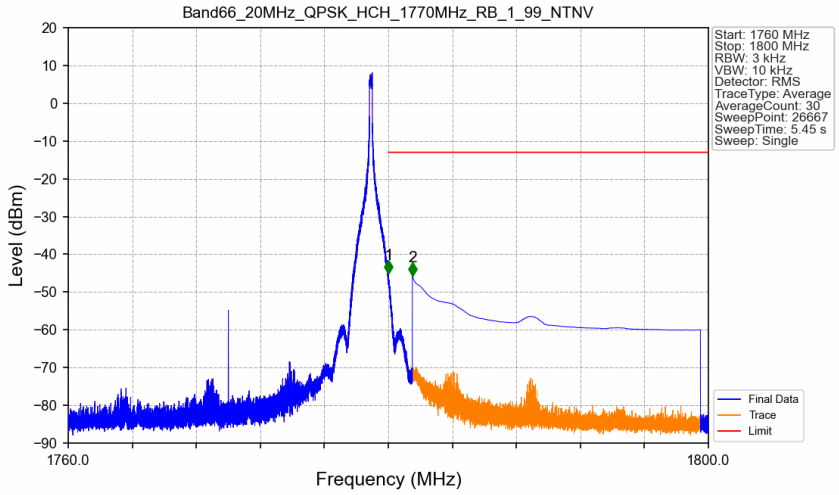
Band66_20MHz_QPSK_HCH_1770MHz_RB_1_0_NTNV



Band66_20MHz_QPSK_HCH_1770MHz_RB_1_0_NTNV

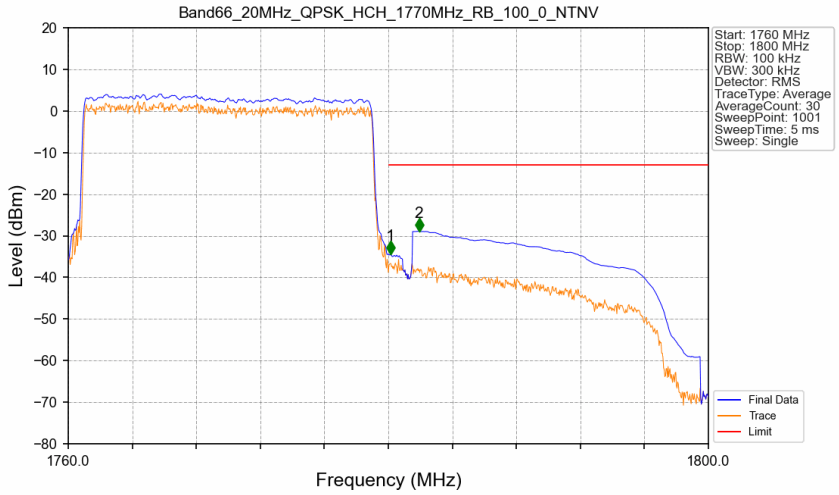


Band66_20MHz_QPSK_HCH_1770MHz_RB_1_99_NTNV



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	1780.007	-45.07	-13	Pass
1781	1800	1	CHP	2	1781.500	-45.75	-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	CHP	/	/	/	/	/
1780	1781	0.2	CHP	1	1780.120	-34.47	-13	Pass
1781	1800	1	CHP	2	1781.920	-28.91	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 66 ANT41-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
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	-66.69	-13	-53.69	-71.31	3.36	7.98	Horizontal	Pass
5133.0	-54.65	-13	-41.65	-60.26	4.61	10.22	Horizontal	Pass
6844.0	-61.16	-13	-48.16	-67.19	4.9	10.93	Horizontal	Pass
3422.0	-66.79	-13	-53.79	-71.41	3.36	7.98	Vertical	Pass
5133.0	-60.62	-13	-47.62	-66.23	4.61	10.22	Vertical	Pass
6844.0	-60.7	-13	-47.7	-66.73	4.9	10.93	Vertical	Pass

LTE Band 66 ANT41-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
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	-67.13	-13	-54.13	-71.84	3.39	8.1	Horizontal	Pass
5208.0	-58.47	-13	-45.47	-64.1	4.64	10.27	Horizontal	Pass
6944.0	-61.01	-13	-48.01	-67.16	4.91	11.06	Horizontal	Pass
3472.0	-66.87	-13	-53.87	-71.58	3.39	8.1	Vertical	Pass
5208.0	-59.66	-13	-46.66	-65.29	4.64	10.27	Vertical	Pass
6944.0	-60.98	-13	-47.98	-67.13	4.91	11.06	Vertical	Pass

LTE Band 66 ANT41-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
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	-66.9	-13	-53.9	-71.68	3.42	8.2	Horizontal	Pass
5283.0	-62.78	-13	-49.78	-68.44	4.66	10.32	Horizontal	Pass
7044.0	-60.74	-13	-47.74	-67.0	4.92	11.18	Horizontal	Pass
3522.0	-66.59	-13	-53.59	-71.37	3.42	8.2	Vertical	Pass
5283.0	-62.44	-13	-49.44	-68.1	4.66	10.32	Vertical	Pass
7044.0	-61.06	-13	-48.06	-67.32	4.92	11.18	Vertical	Pass