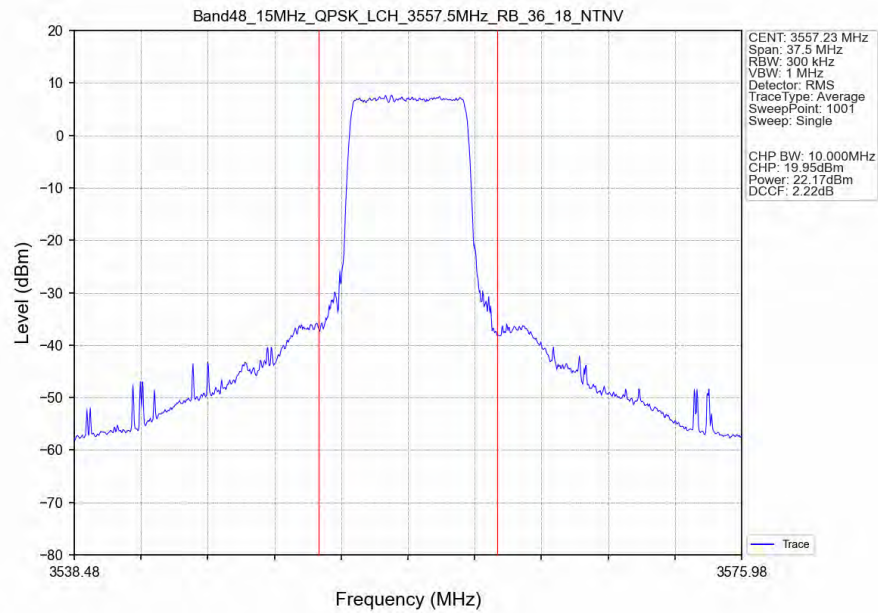
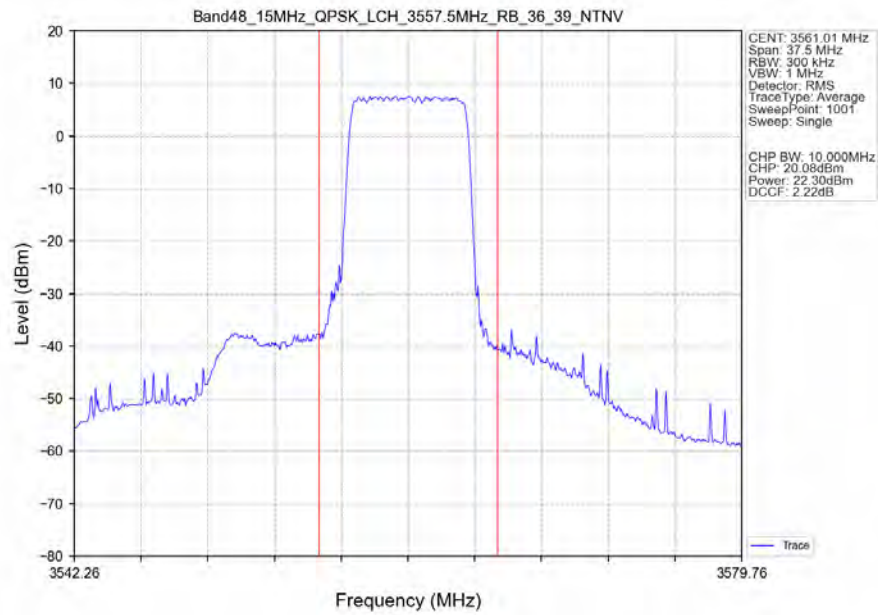


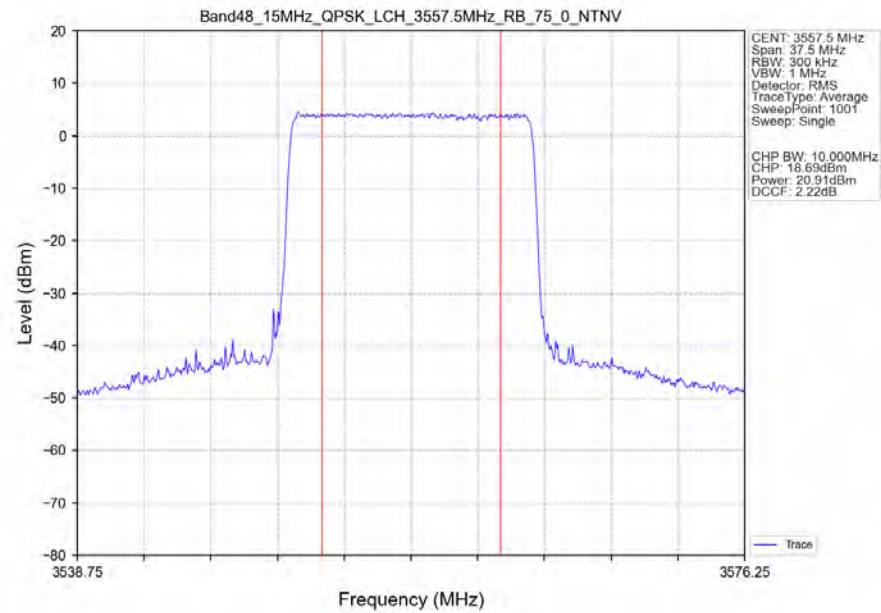
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_36_18_NTNV



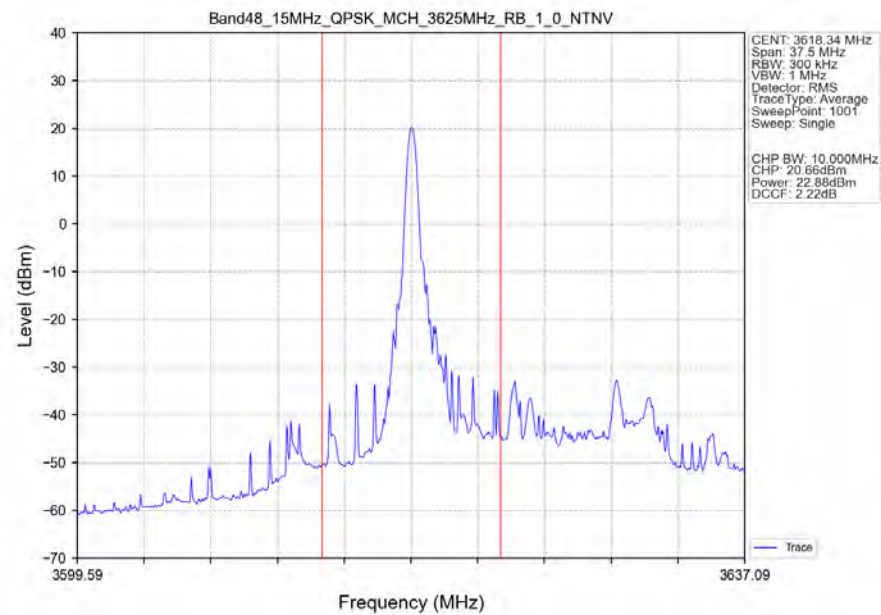
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_36_39_NTNV



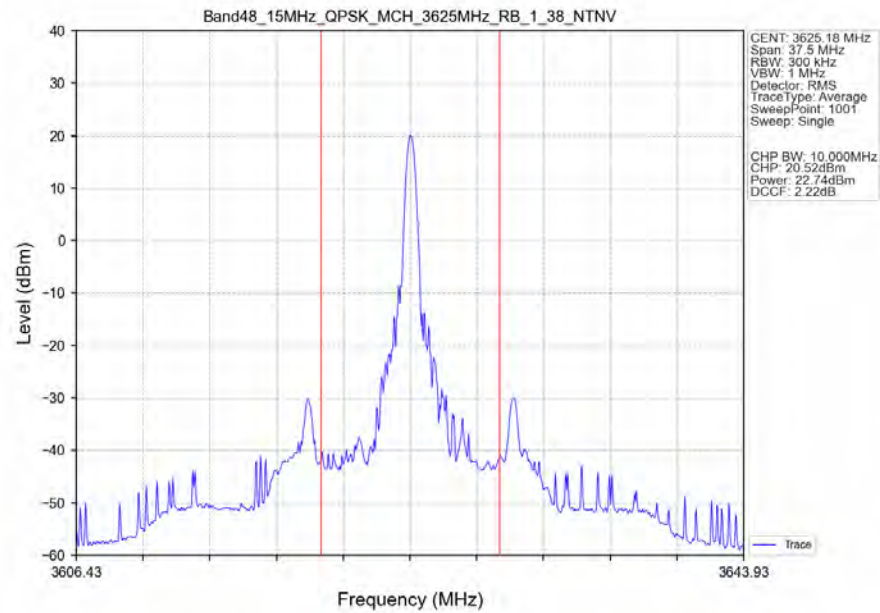
Band48 15MHz QPSK LCH 3557.5MHz RB 75 0 NTNV



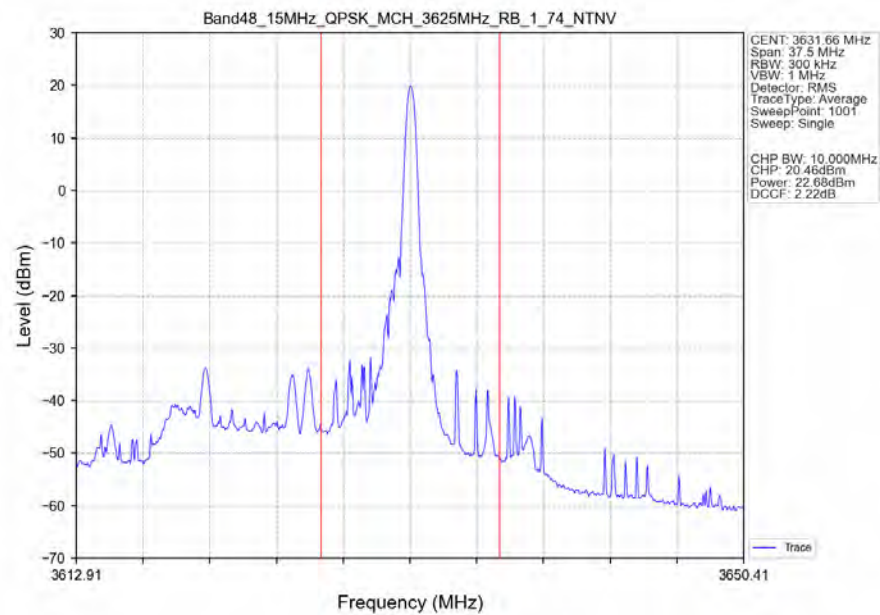
Band48 15MHz QPSK MCH 3625MHz RB 1 0 NTNV



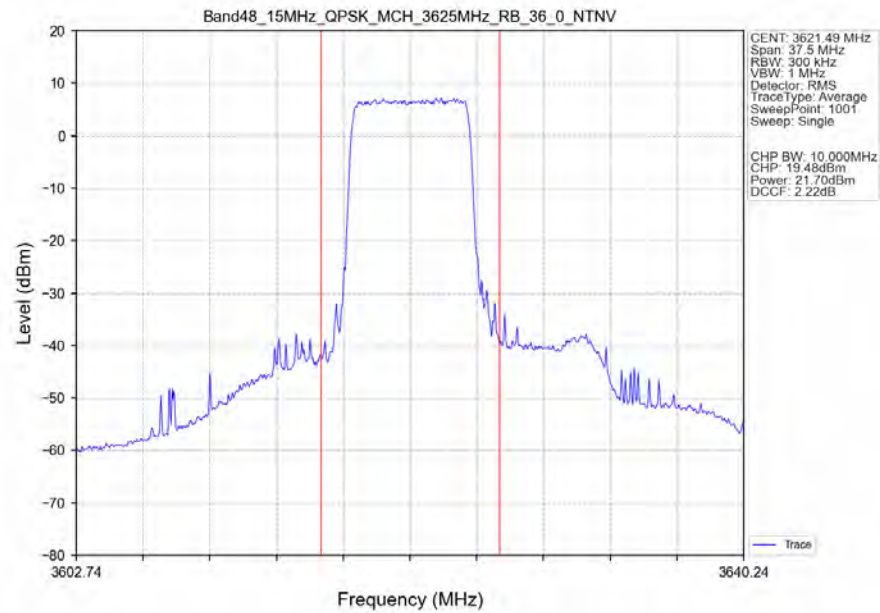
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_38_NTNV



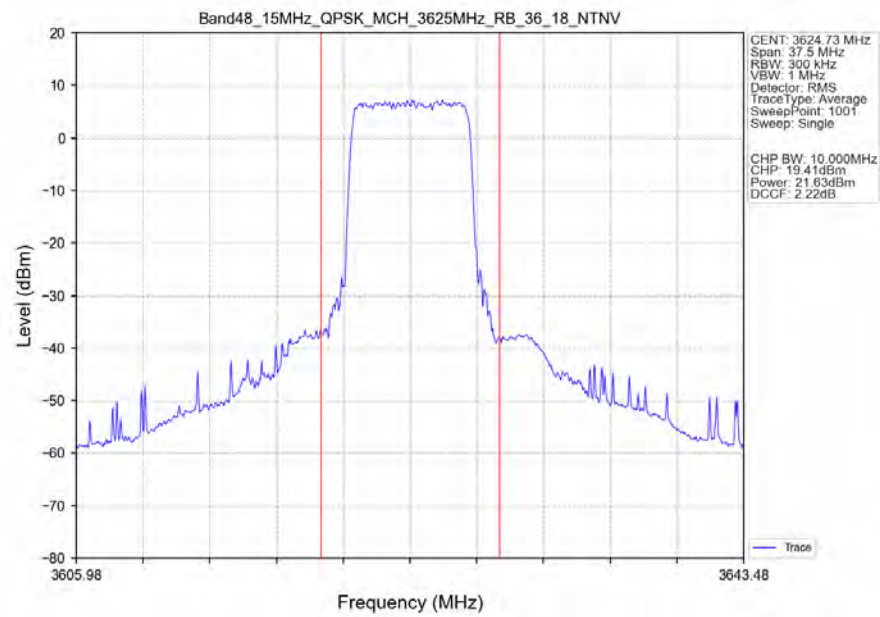
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_74_NTNV



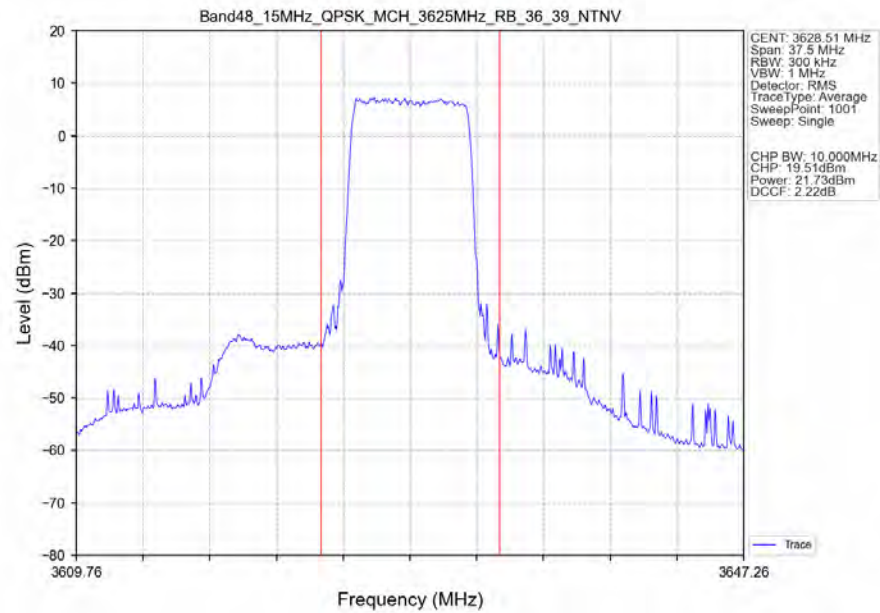
Band48_15MHz_QPSK_MCH_3625MHz_RB_36_0_NTNV



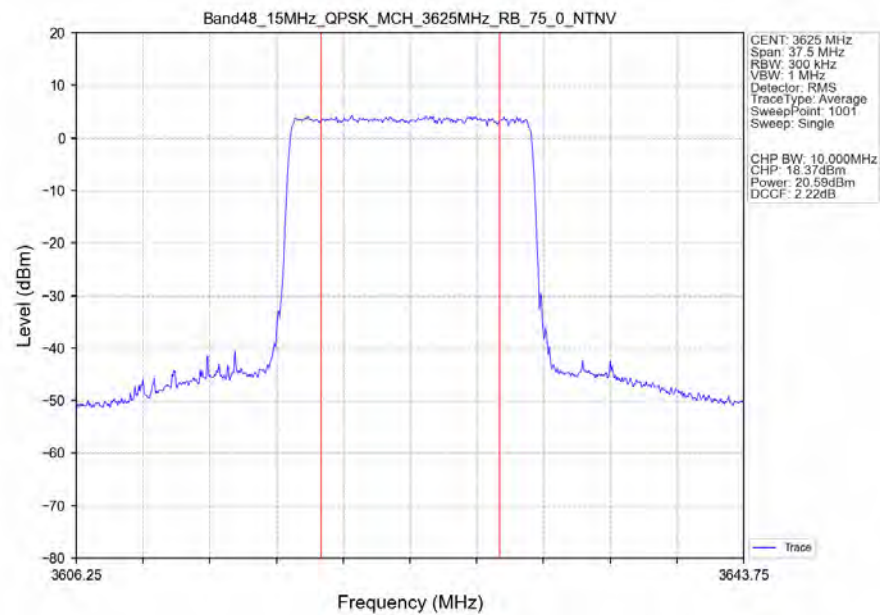
Band48_15MHz_QPSK_MCH_3625MHz_RB_36_18_NTNV



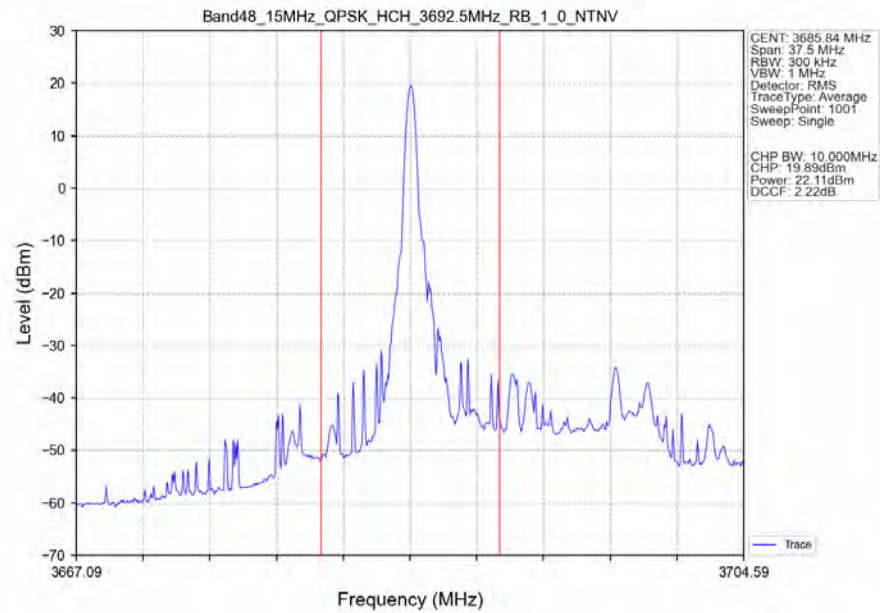
Band48 15MHz QPSK MCH 3625MHz RB 36 39 NTNV



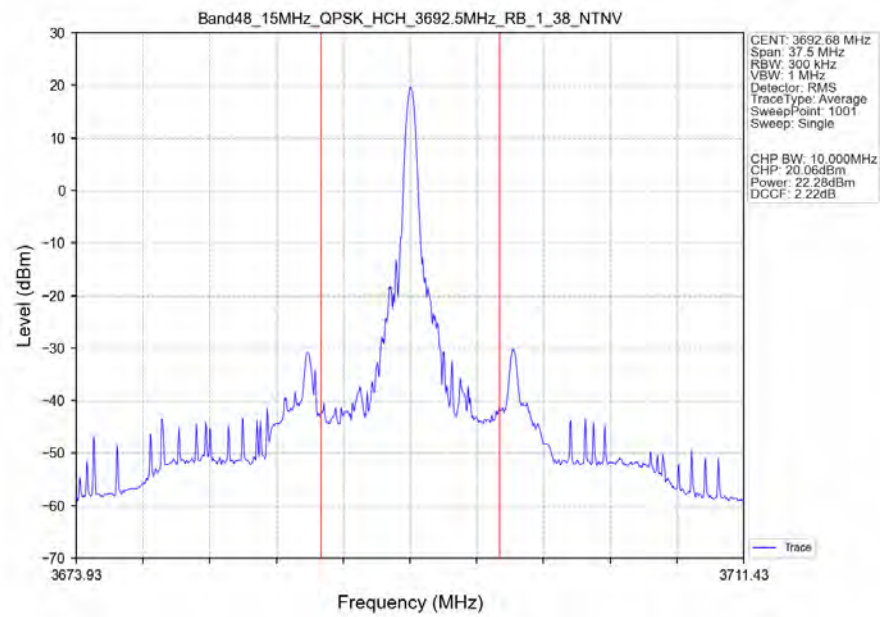
Band48 15MHz QPSK MCH 3625MHz RB 75 0 NTNV



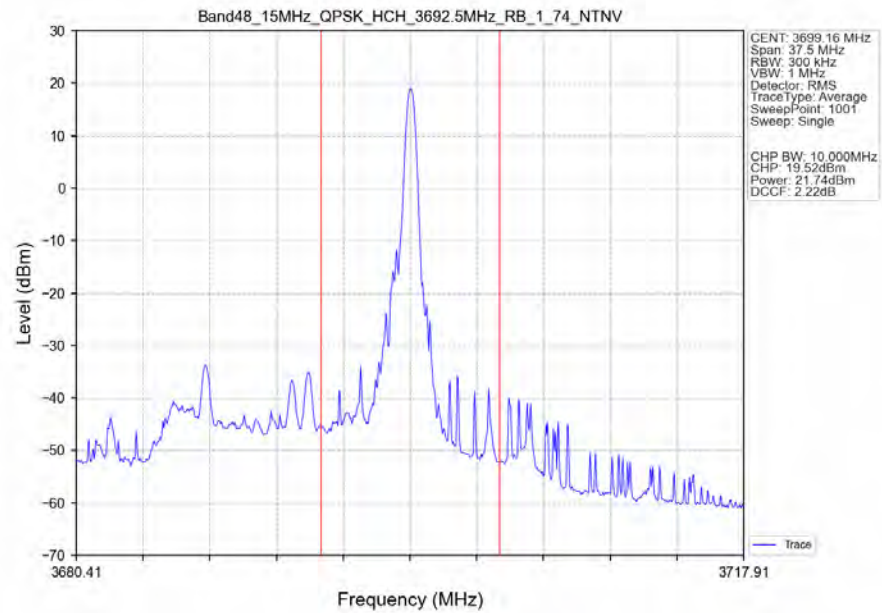
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



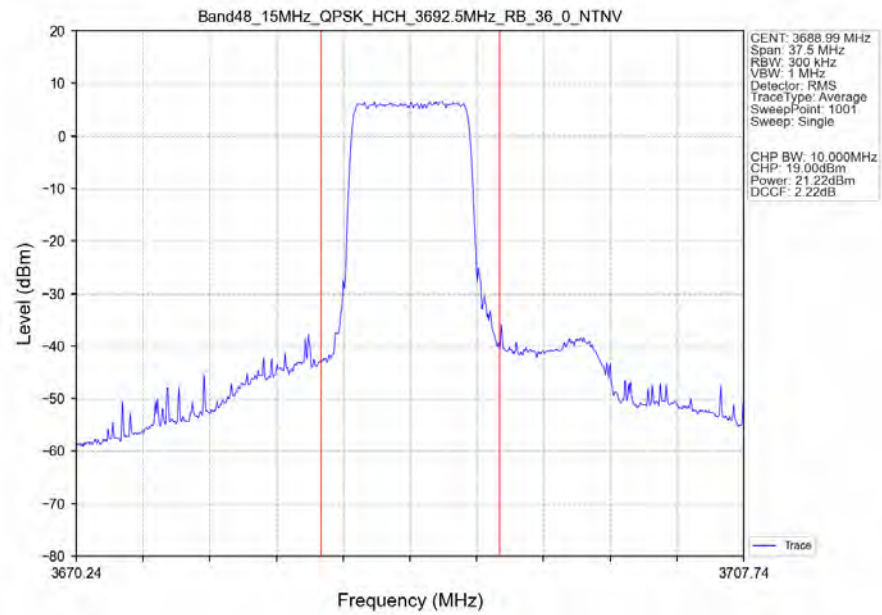
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_38_NTNV



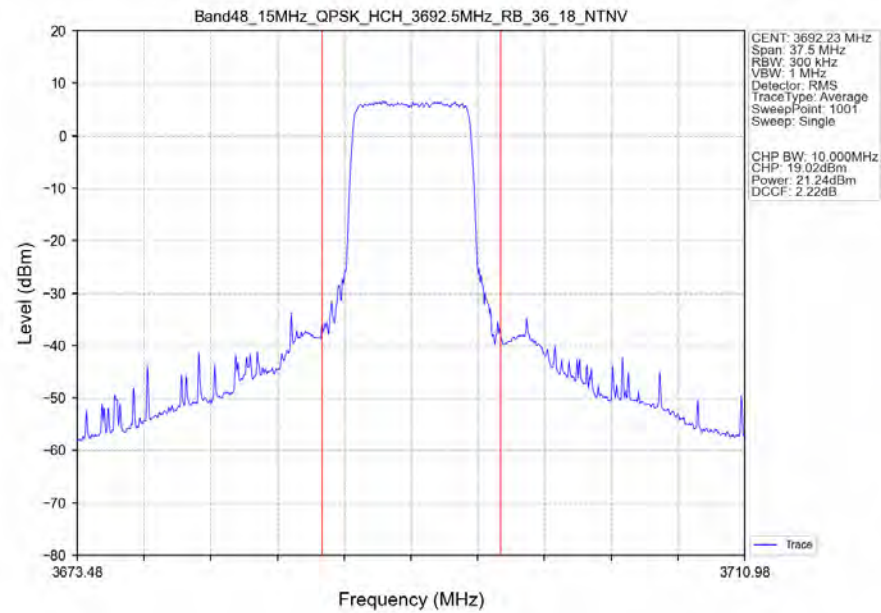
Band48 15MHz QPSK HCH 3692.5MHz RB 1 74 NTV



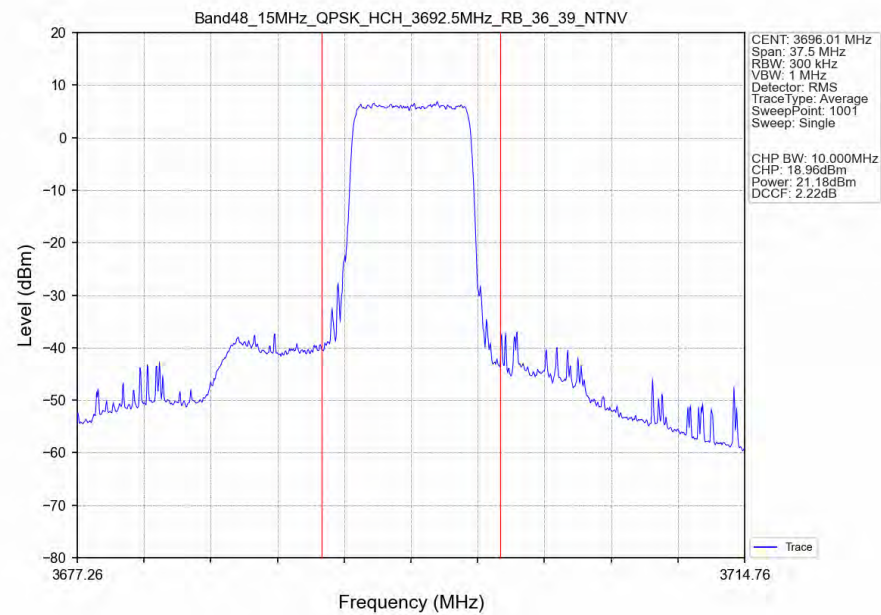
Band48 15MHz QPSK HCH 3692.5MHz RB 36 0 NTV



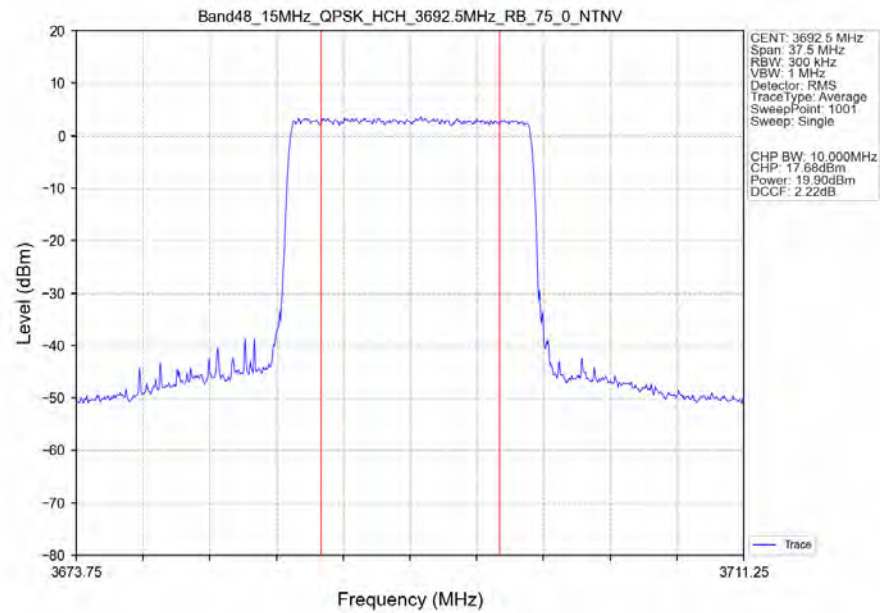
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_36_18_NTNV



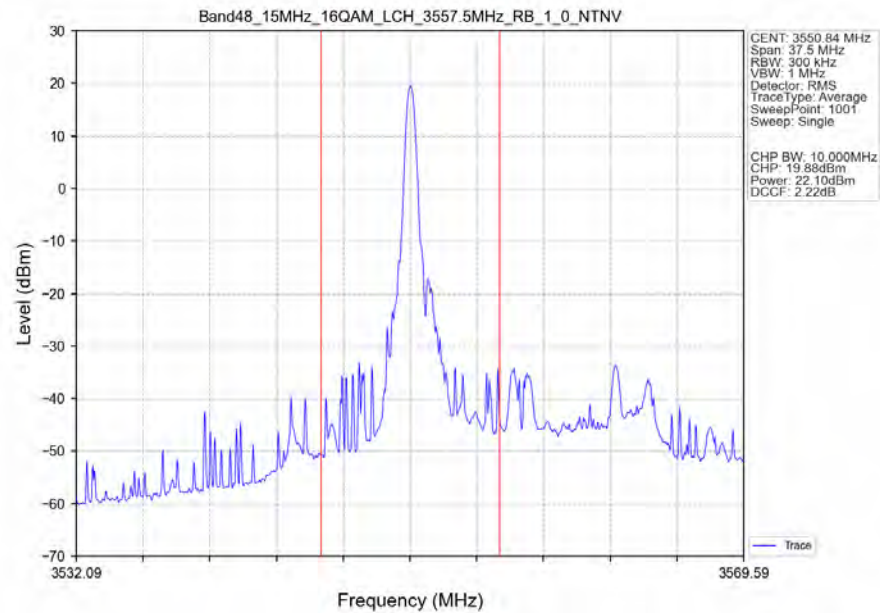
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_36_39_NTNV



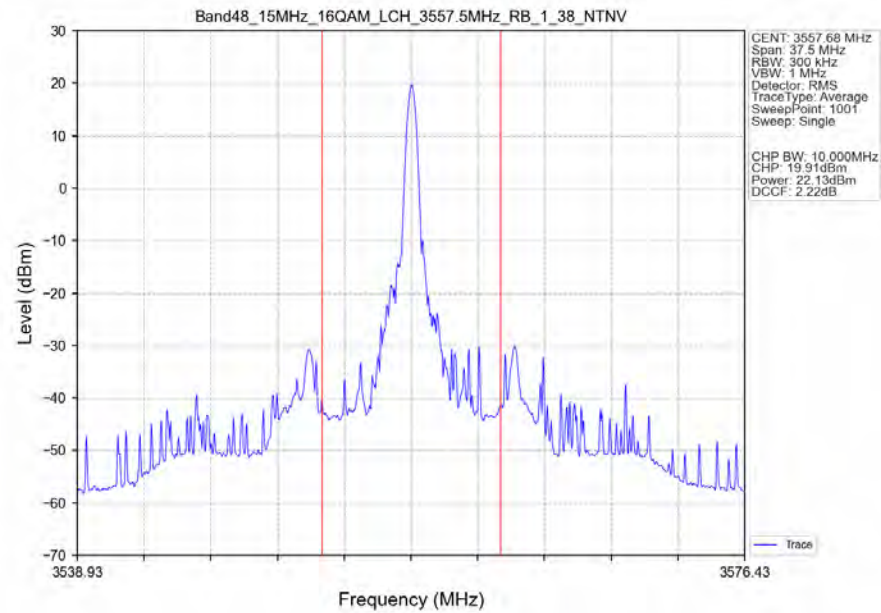
Band48 15MHz QPSK HCH 3692.5MHz RB 75 0 NTV



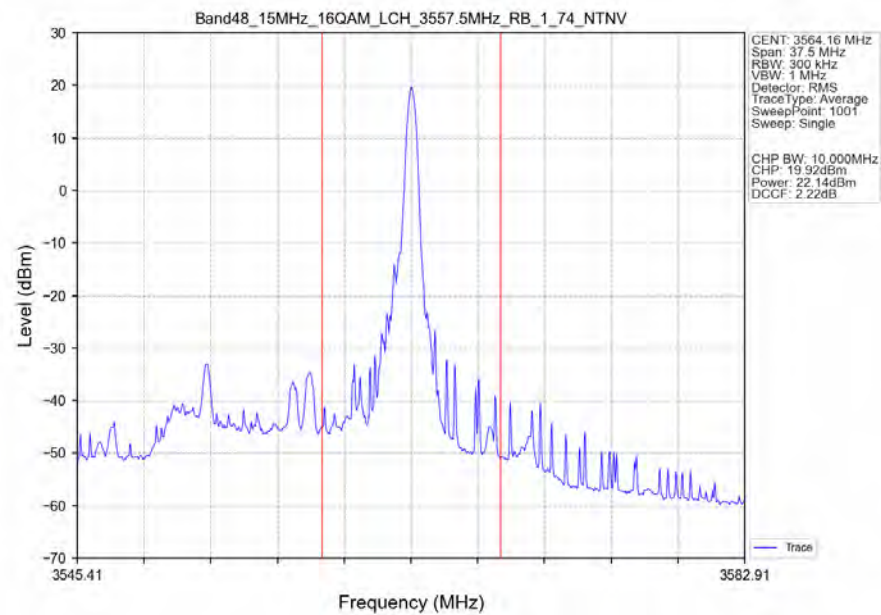
Band48 15MHz 16QAM LCH 3557.5MHz RB 1 0 NTV



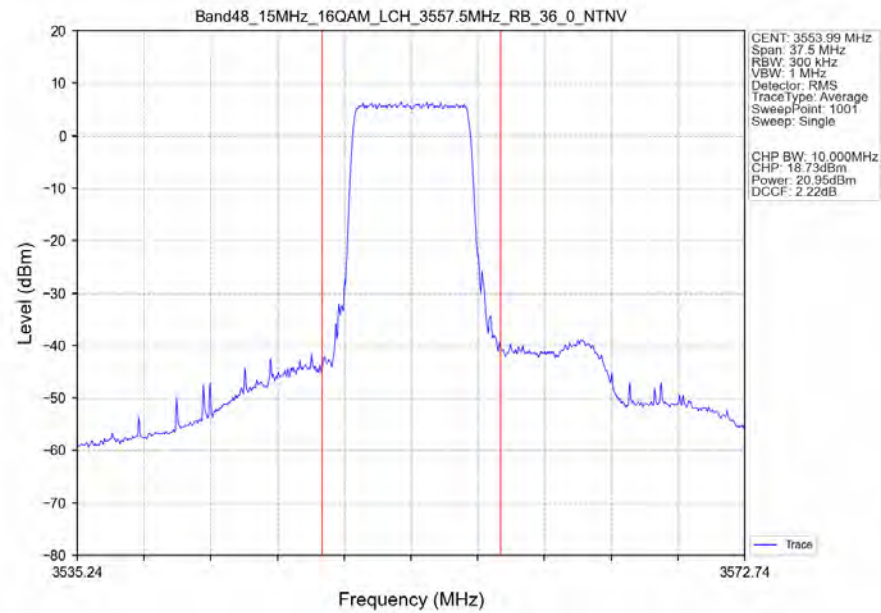
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_1_38_NTNV



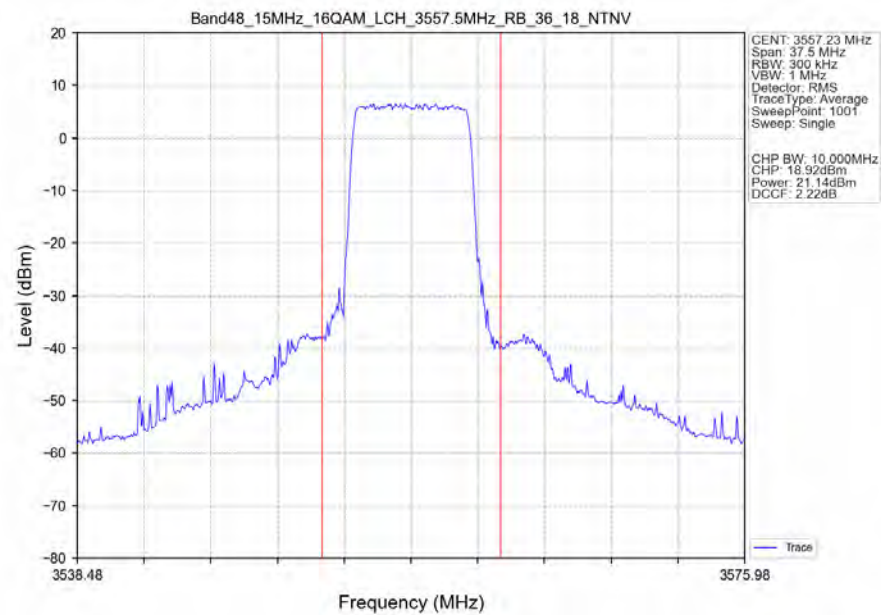
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_1_74_NTNV



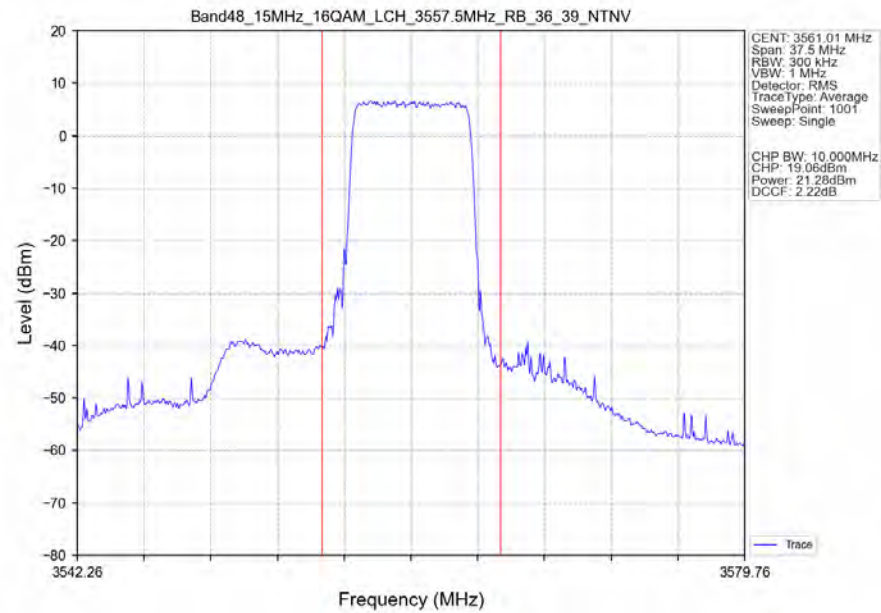
Band48 15MHz 16QAM LCH 3557.5MHz RB 36 0 NTN



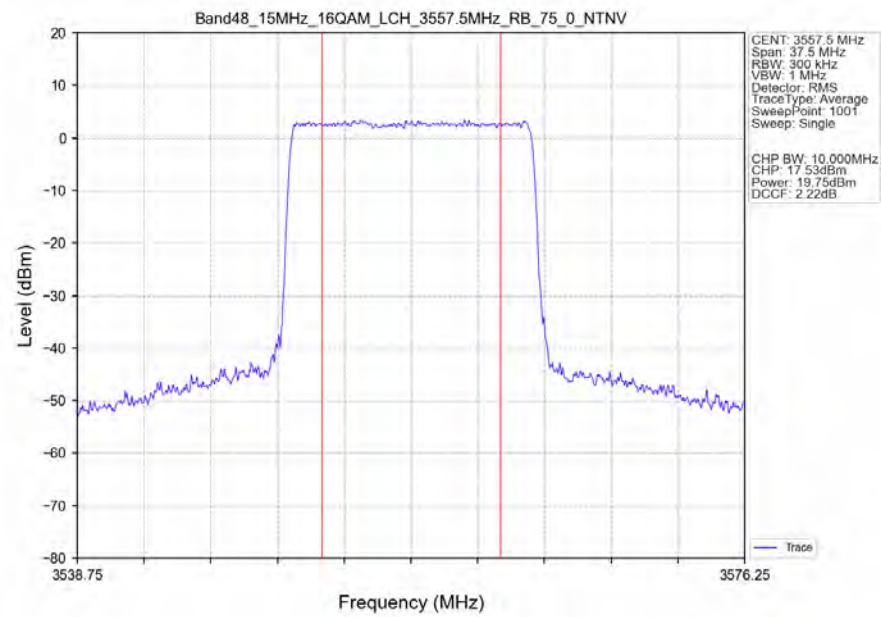
Band48 15MHz 16QAM LCH 3557.5MHz RB 36 18 NTN



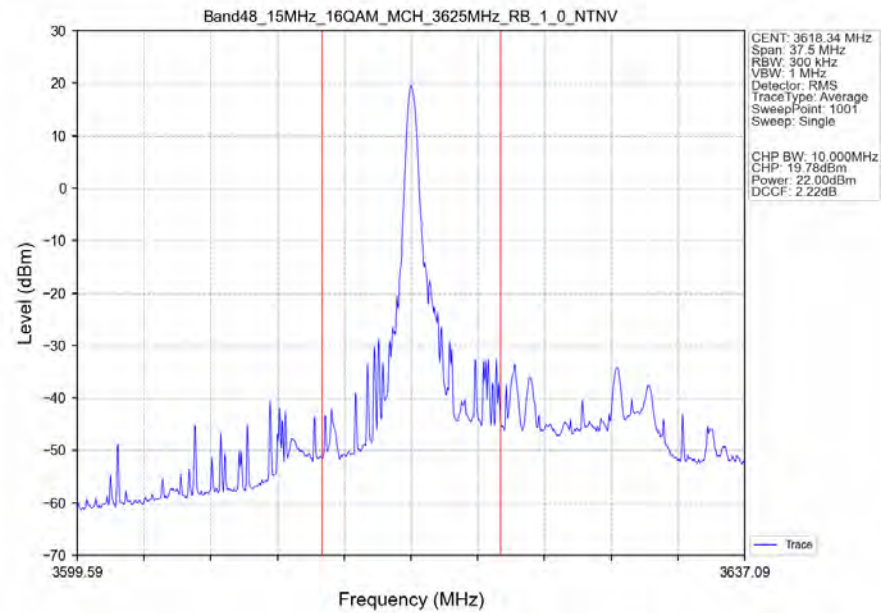
Band48 15MHz 16QAM LCH 3557.5MHz RB 36 39 NTNV



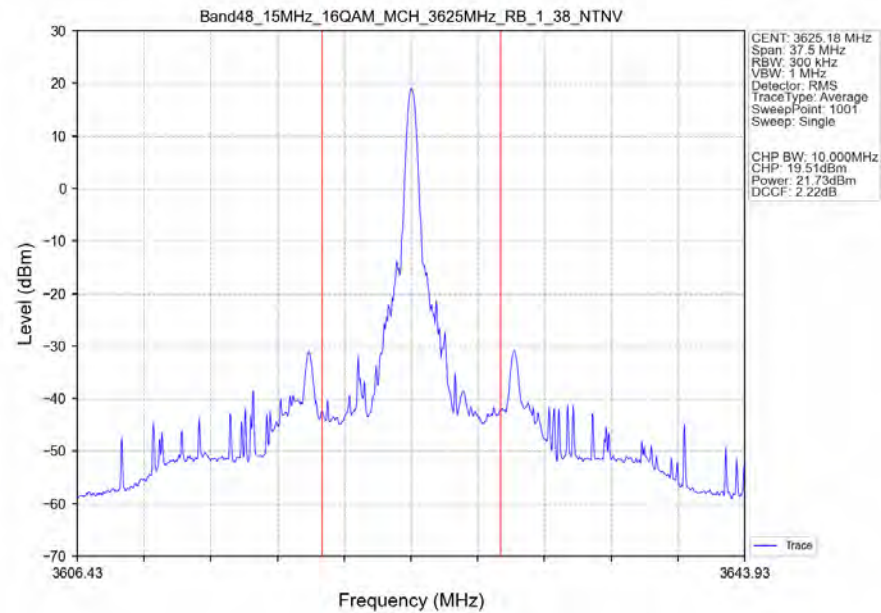
Band48 15MHz 16QAM LCH 3557.5MHz RB 75 0 NTNV



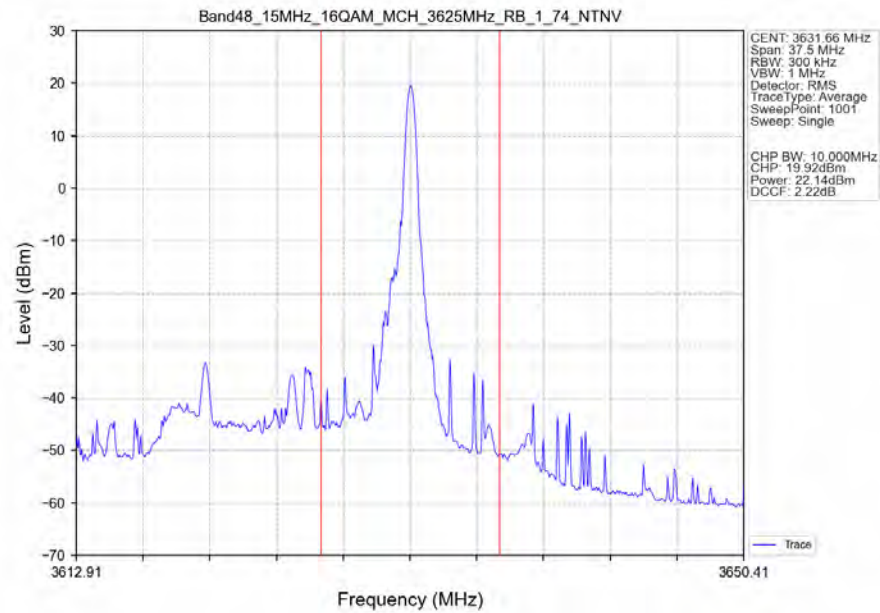
Band48_15MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



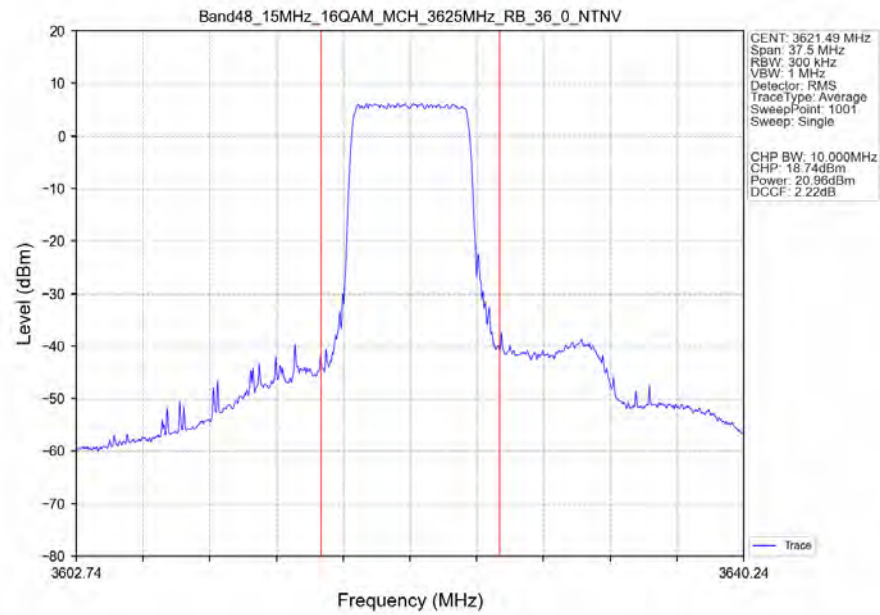
Band48_15MHz_16QAM_MCH_3625MHz_RB_1_38_NTNV



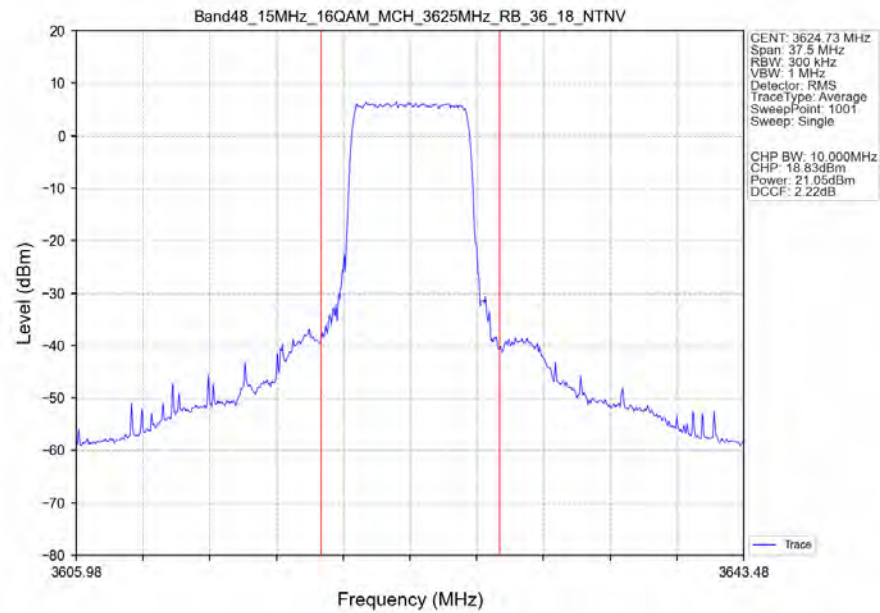
Band48 15MHz 16QAM MCH 3625MHz RB 1 74 NTNV



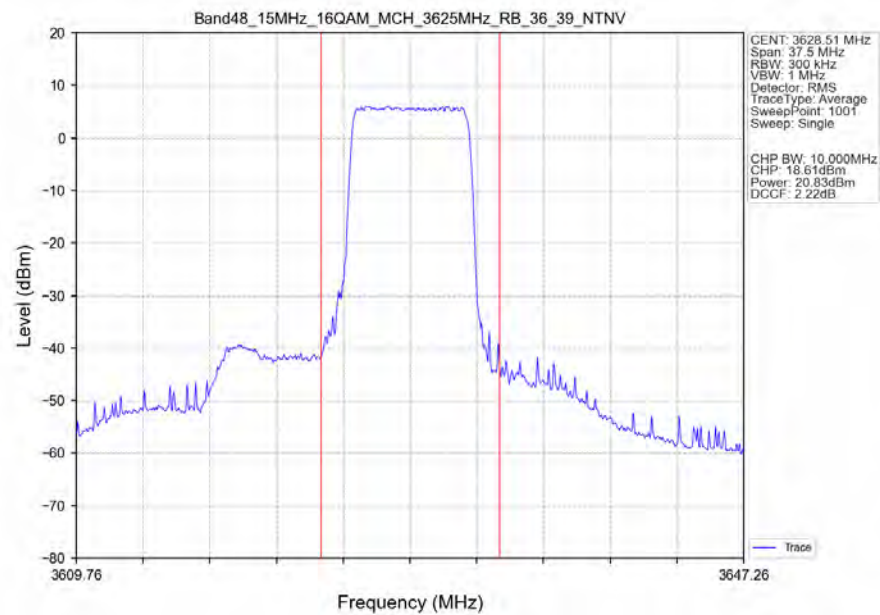
Band48 15MHz 16QAM MCH 3625MHz RB 36_0 NTNV



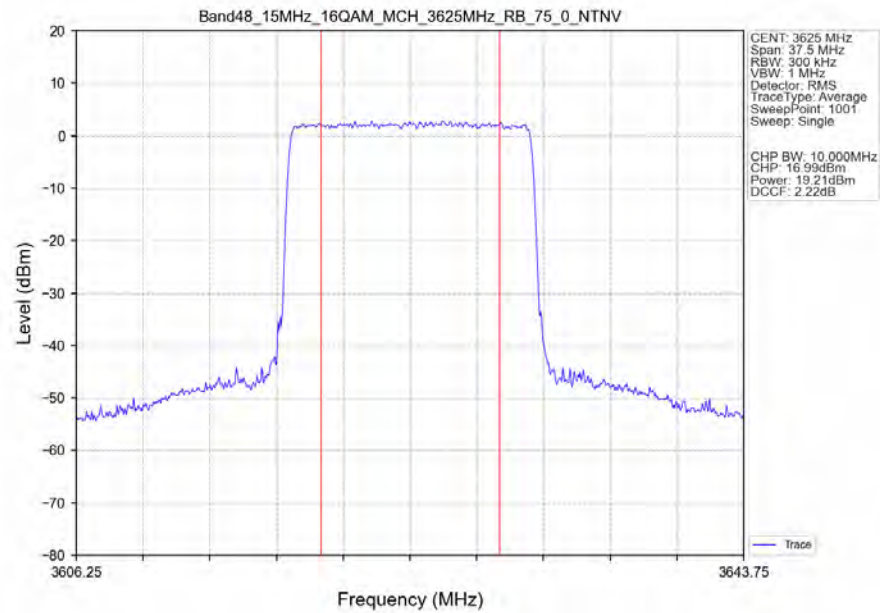
Band48_15MHz_16QAM_MCH_3625MHz_RB_36_18_NTNV



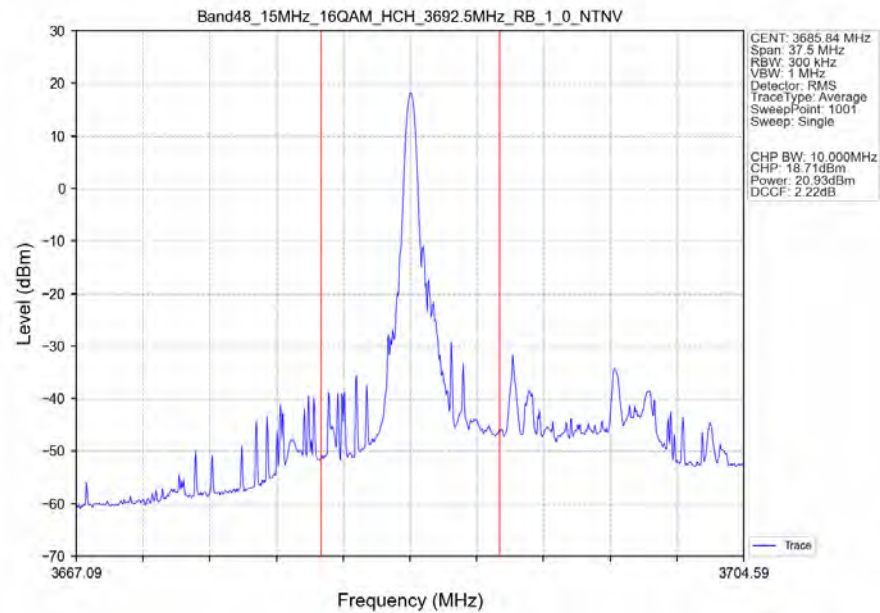
Band48_15MHz_16QAM_MCH_3625MHz_RB_36_39_NTNV



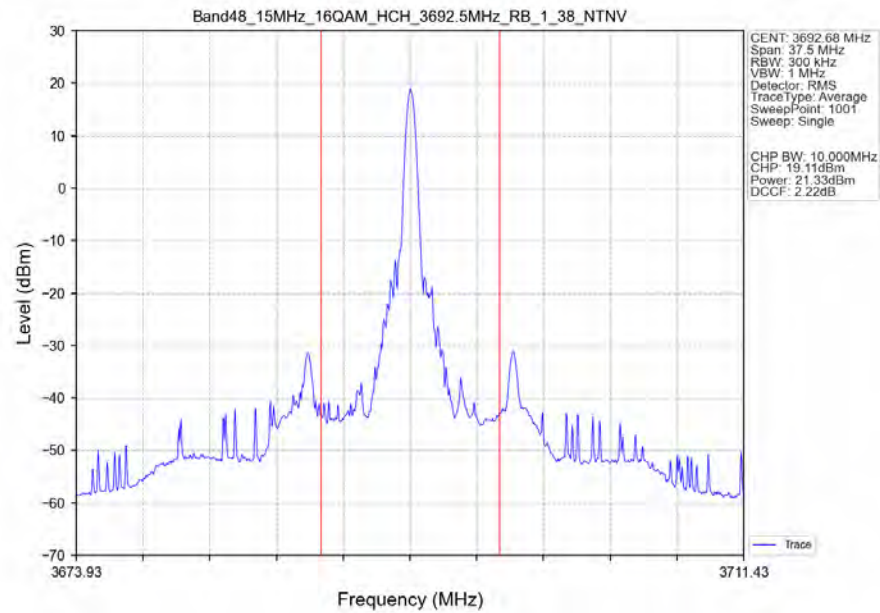
Band48 15MHz 16QAM MCH 3625MHz RB 75 0 NTNV



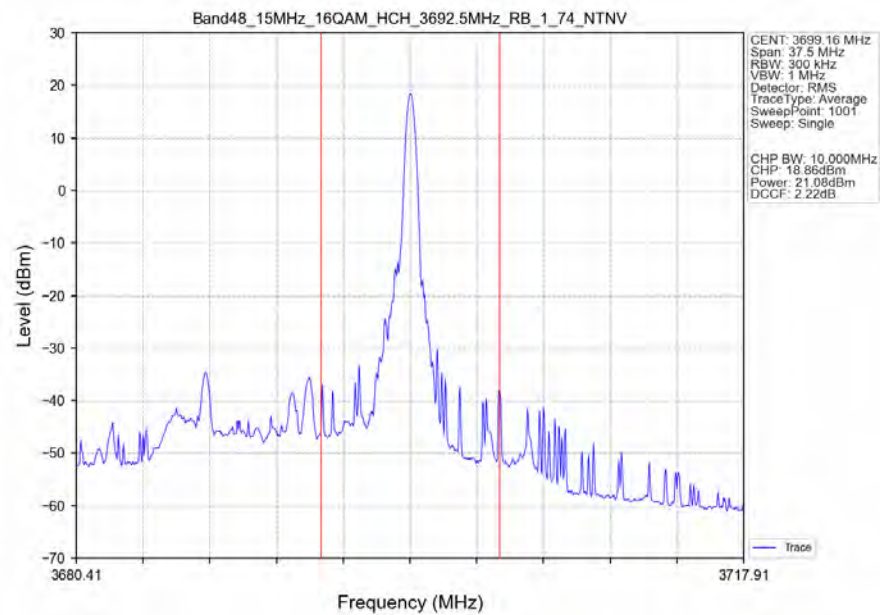
Band48 15MHz 16QAM HCH 3692.5MHz RB 1 0 NTNV



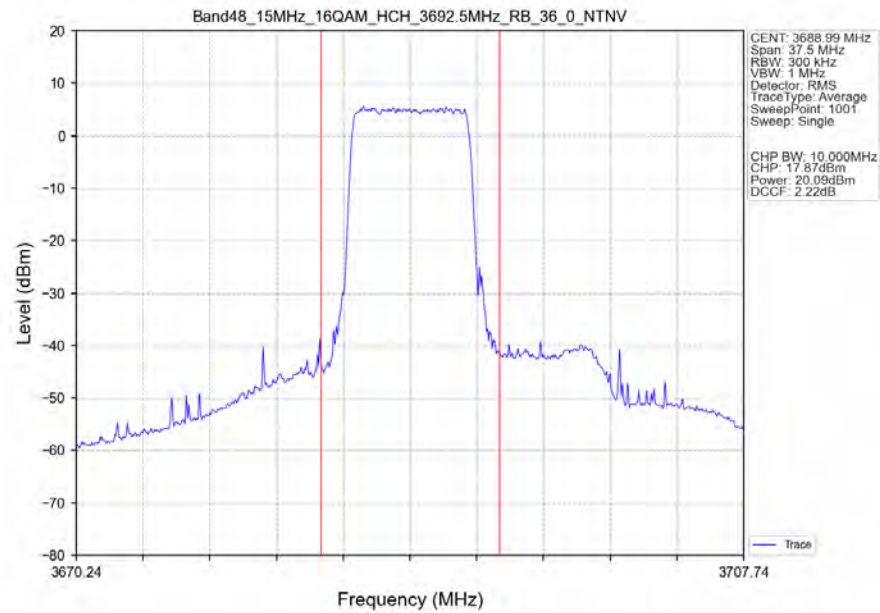
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_38_NTNV



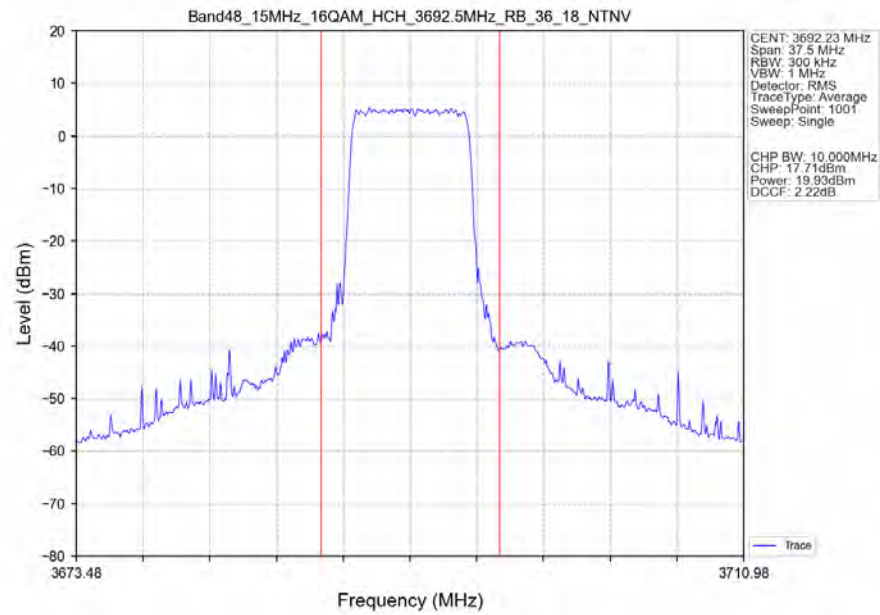
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_74_NTNV



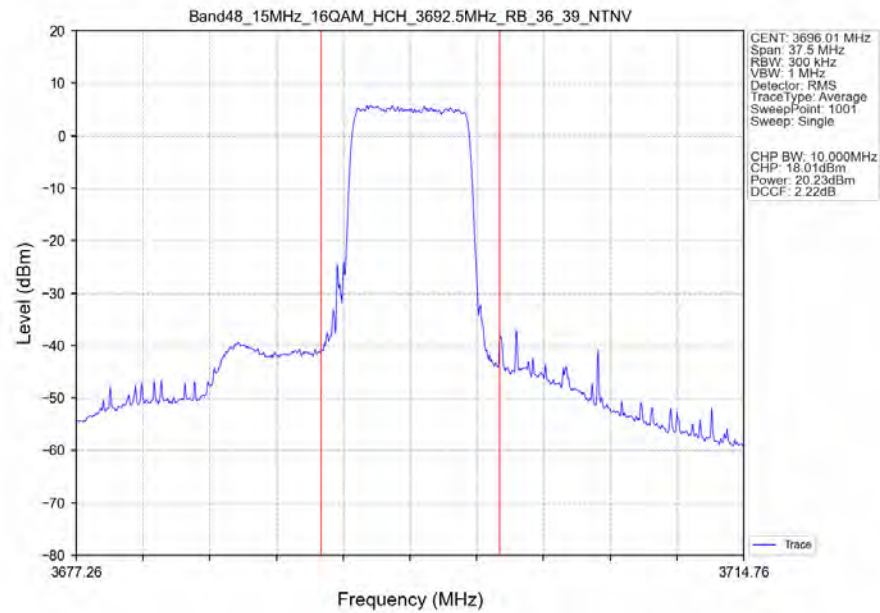
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_36_0_NTNV



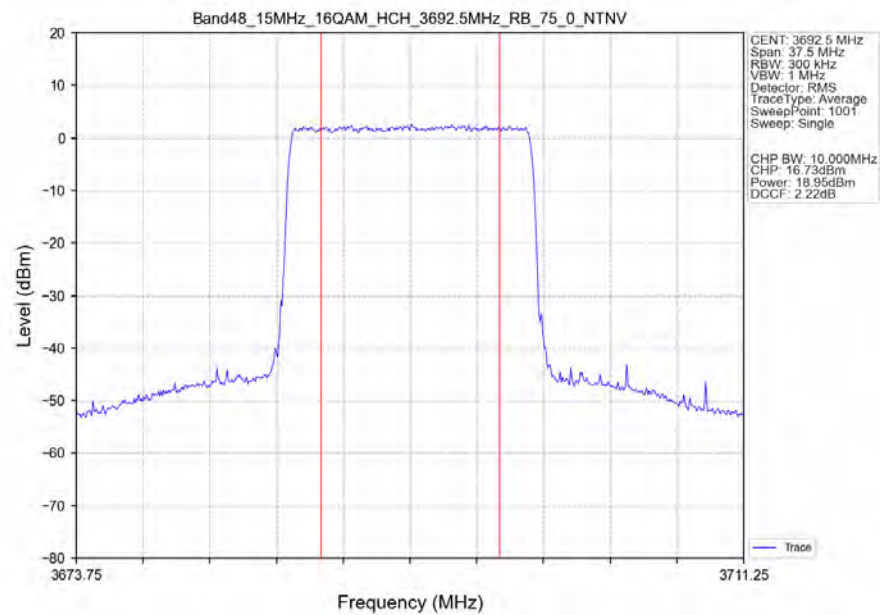
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_36_18_NTNV



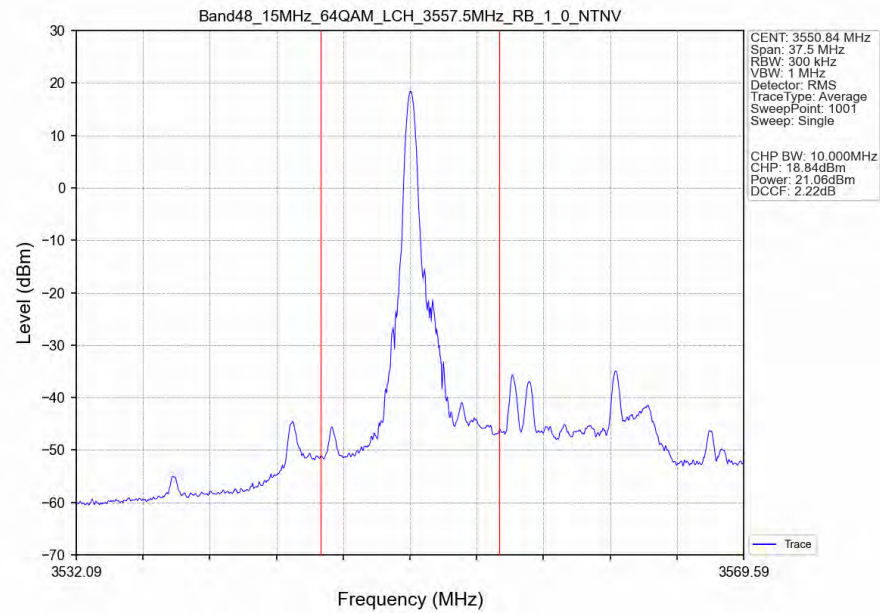
Band48 15MHz 16QAM HCH 3692.5MHz RB 36 39 NTNV



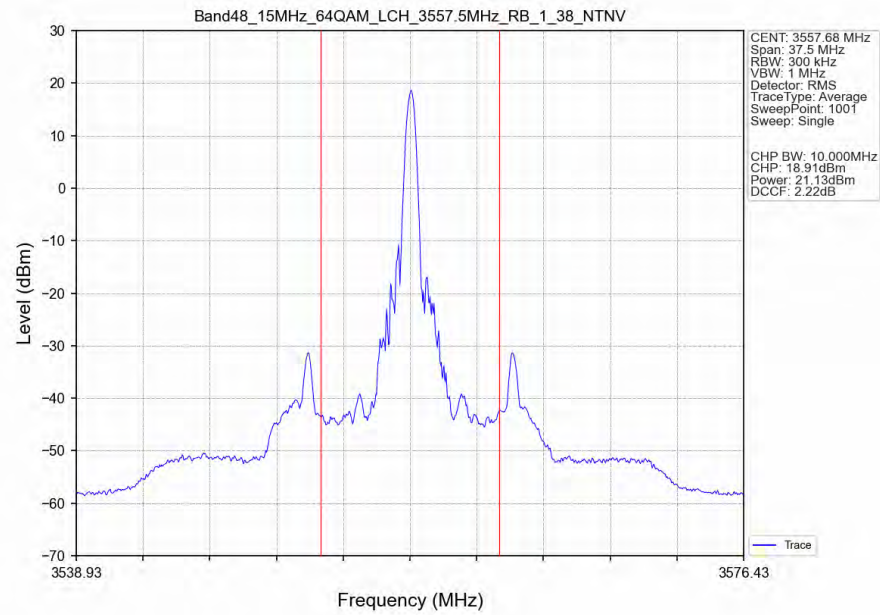
Band48 15MHz 16QAM HCH 3692.5MHz RB 75 0 NTNV



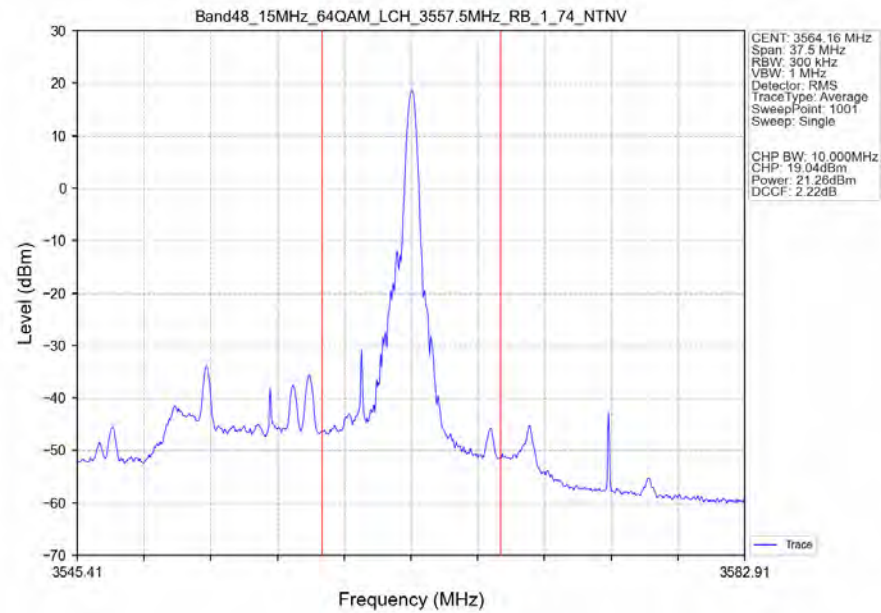
Band48 15MHz 64QAM LCH 3557.5MHz RB 1 0 NTV



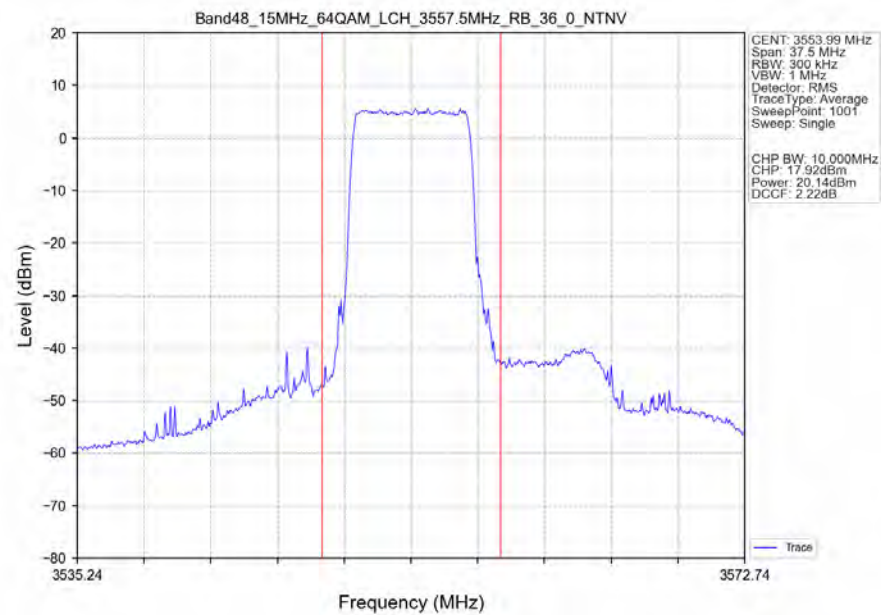
Band48 15MHz 64QAM LCH 3557.5MHz RB 1 38 NTV



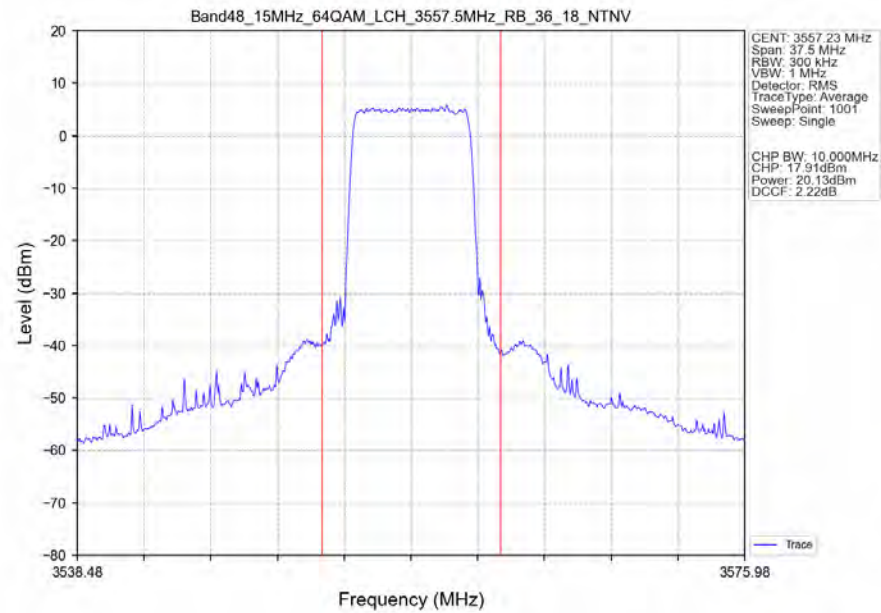
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_1_74_NTNV



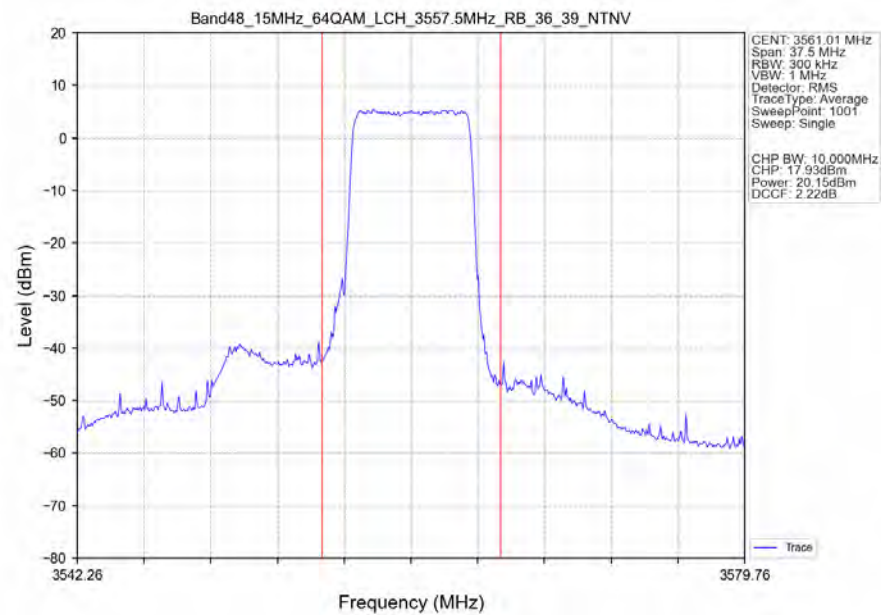
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_36_0_NTNV



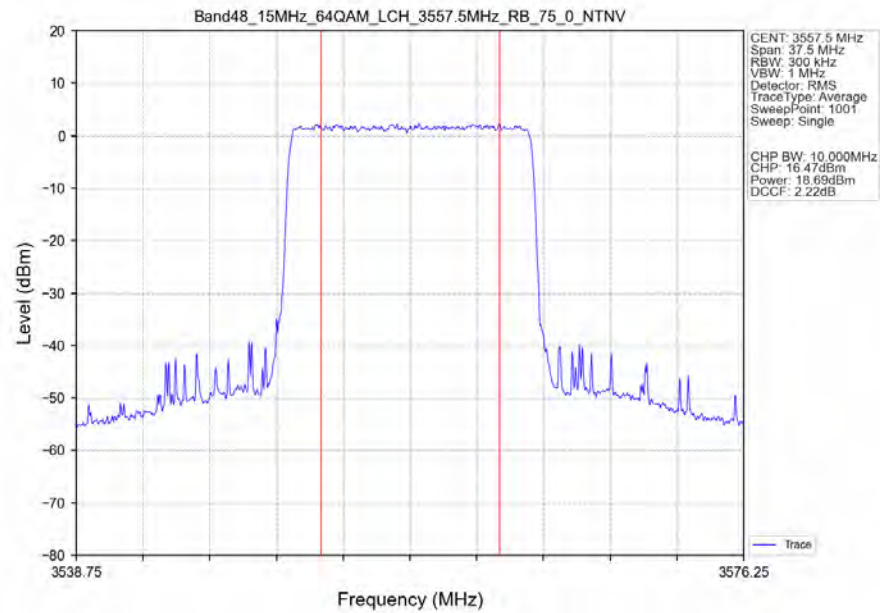
Band48 15MHz 64QAM LCH 3557.5MHz RB 36 18 NTN



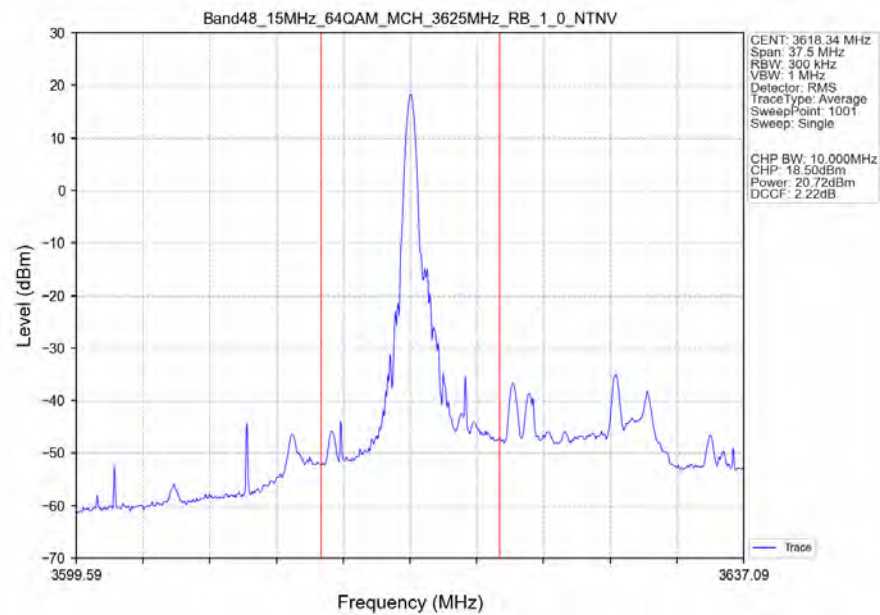
Band48 15MHz 64QAM LCH 3557.5MHz RB 36 39 NTN



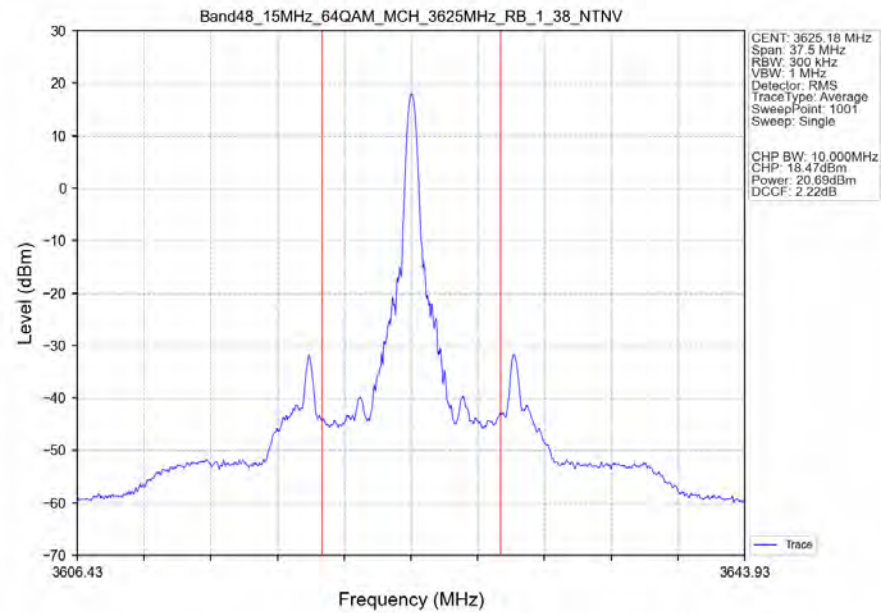
Band48_15MHz_64QAM_LCH_3557.5MHz_RB_75_0_NTNV



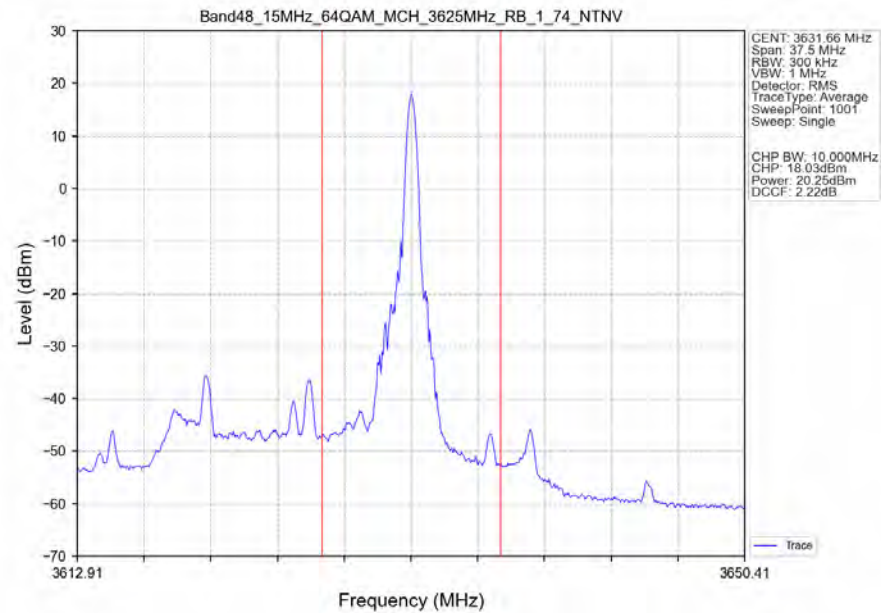
Band48_15MHz_64QAM_MCH_3625MHz_RB_1_0_NTNV



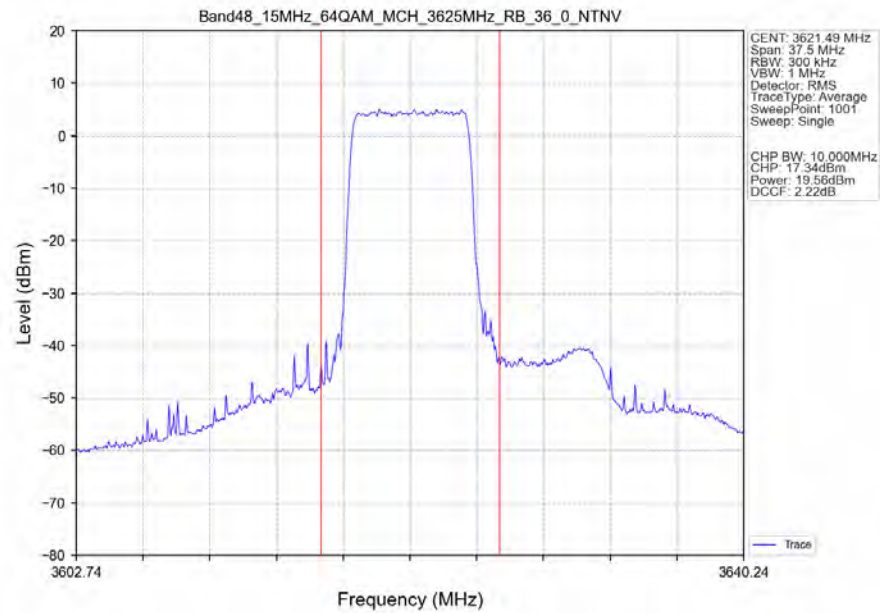
Band48 15MHz 64QAM MCH 3625MHz RB 1 38 NTNV



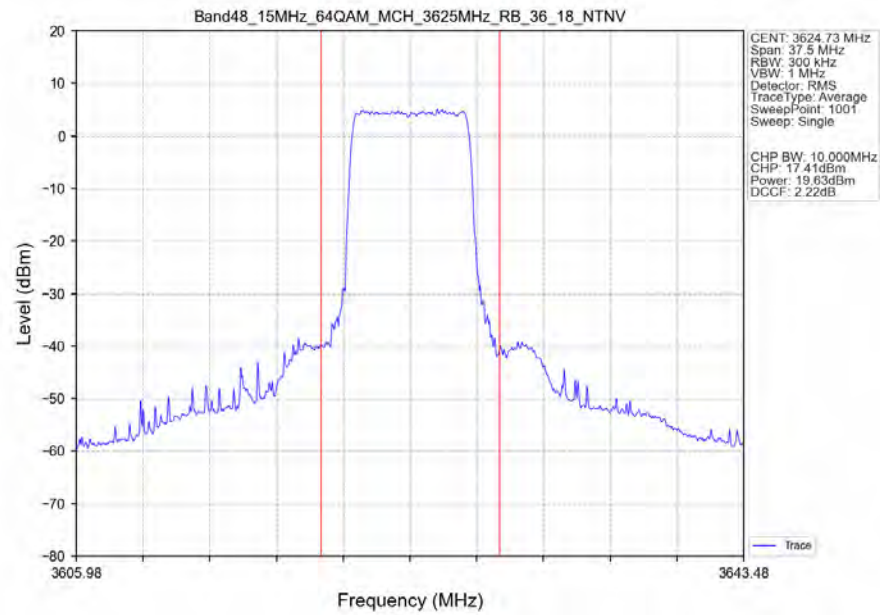
Band48 15MHz 64QAM MCH 3625MHz RB 1 74 NTNV



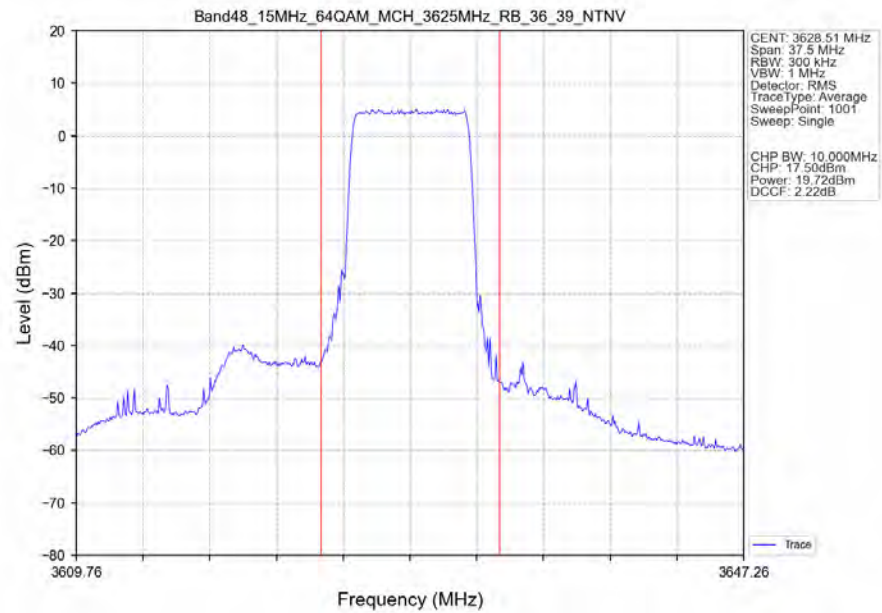
Band48 15MHz 64QAM MCH 3625MHz RB 36 0 NTNV



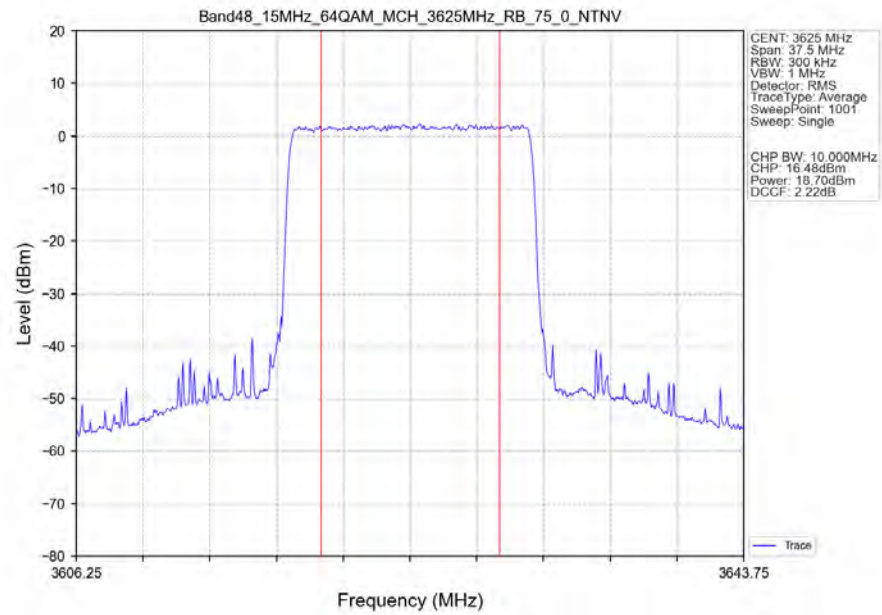
Band48 15MHz 64QAM MCH 3625MHz RB 36 18 NTNV



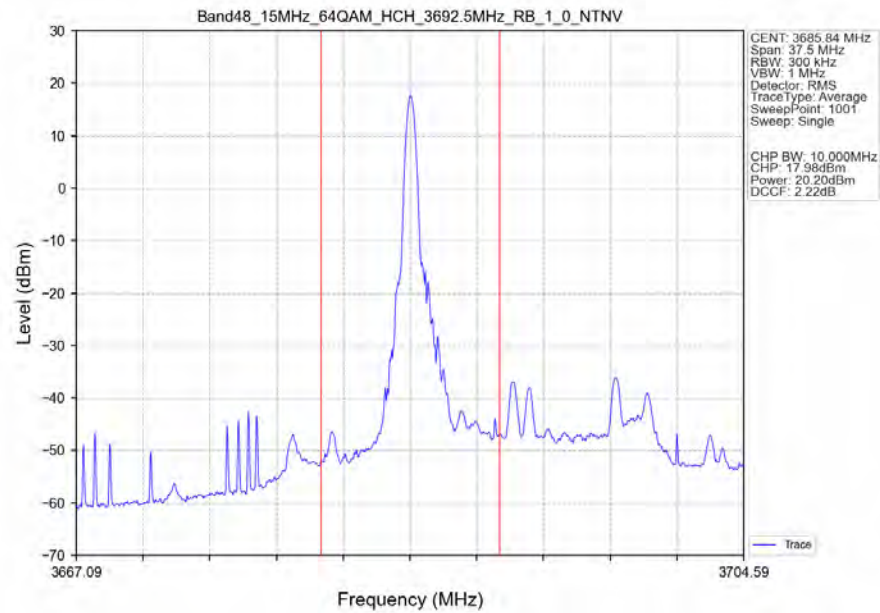
Band48 15MHz 64QAM MCH 3625MHz RB 36 39 NTNV



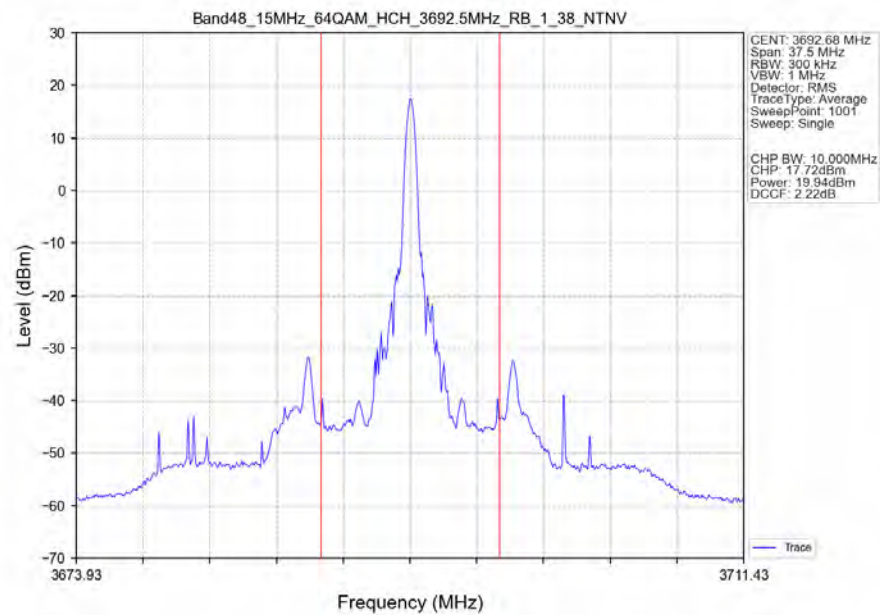
Band48 15MHz 64QAM MCH 3625MHz RB 75_0 NTNV



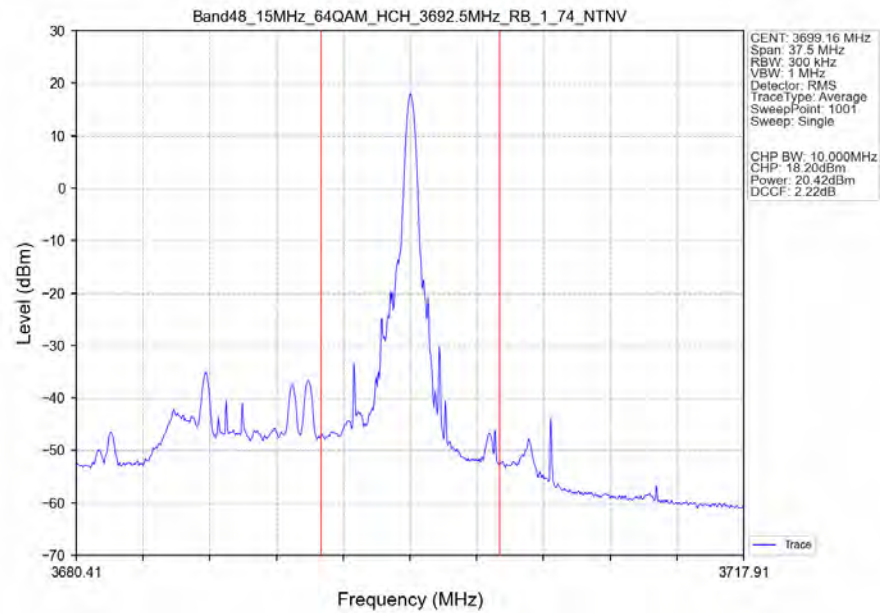
Band48 15MHz 64QAM HCH 3692.5MHz RB 1 0 NTV



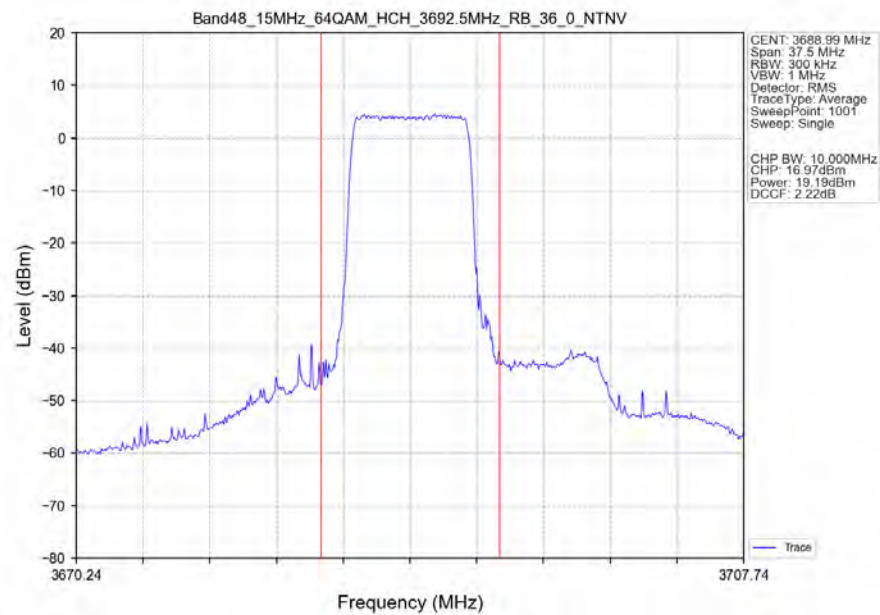
Band48 15MHz 64QAM HCH 3692.5MHz RB 1 38 NTV



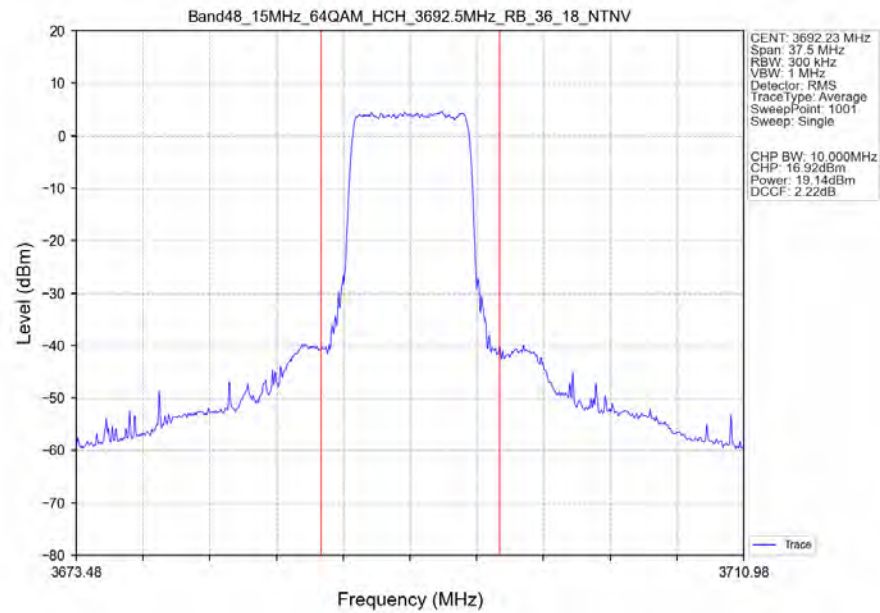
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_1_74_NTNV



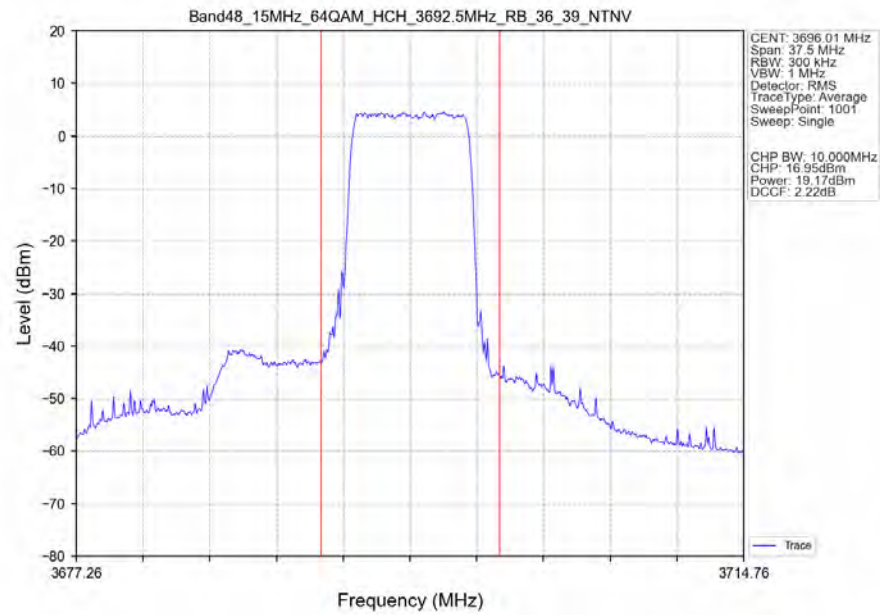
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_36_0_NTNV



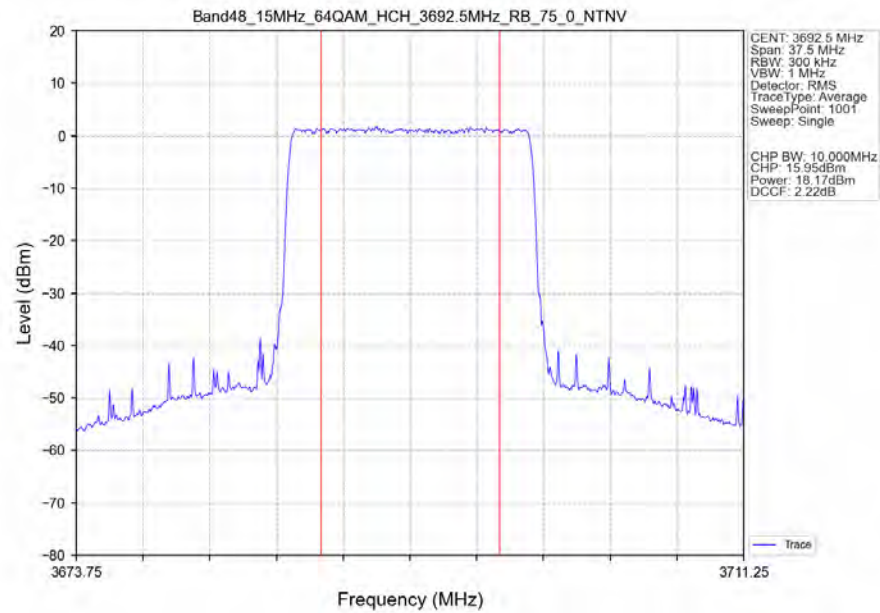
Band48 15MHz 64QAM HCH 3692.5MHz RB 36 18 NTNV



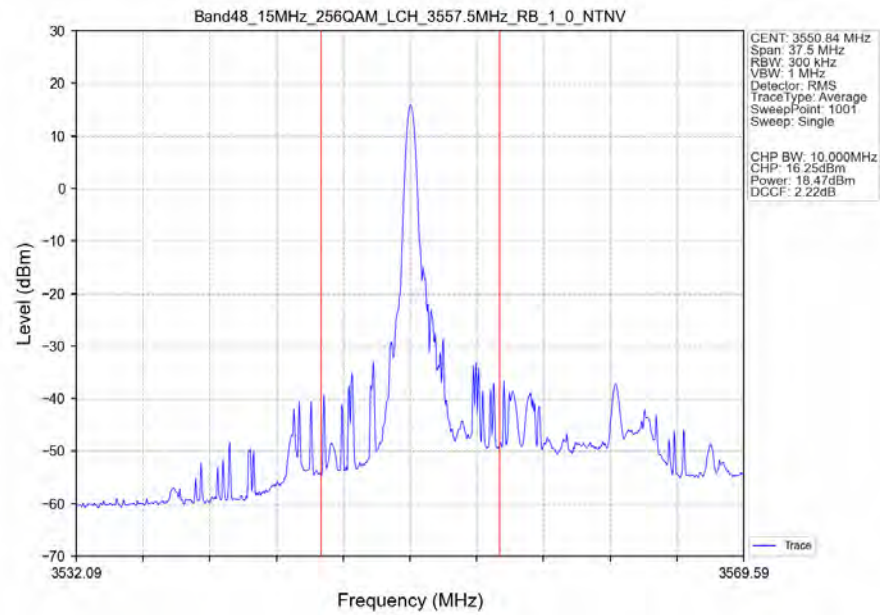
Band48 15MHz 64QAM HCH 3692.5MHz RB 36 39 NTNV



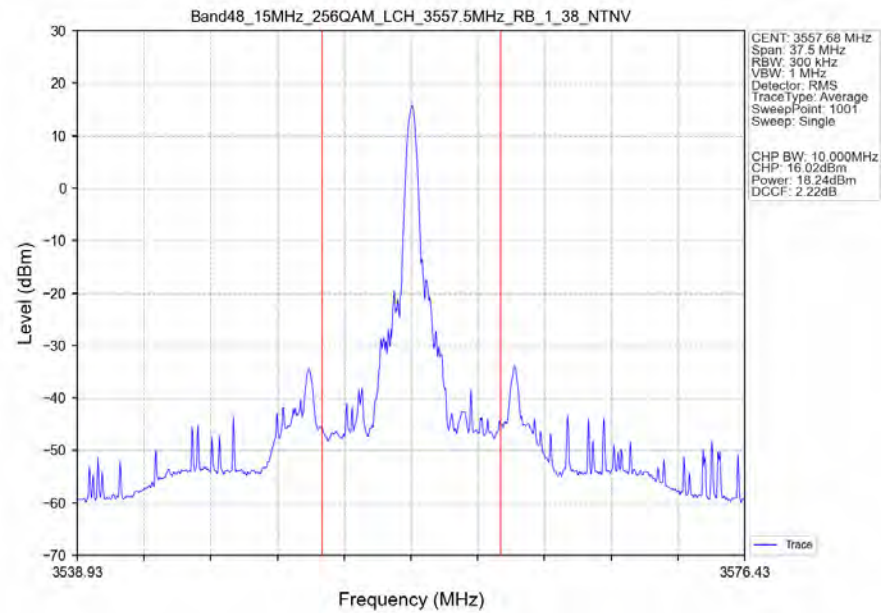
Band48_15MHz_64QAM_HCH_3692.5MHz_RB_75_0_NTNV



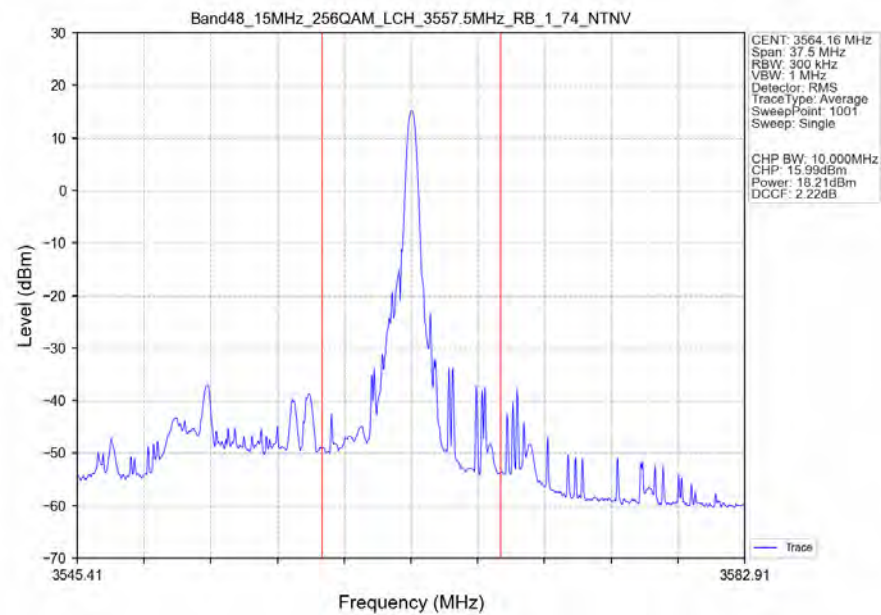
Band48_15MHz_256QAM_LCH_3557.5MHz_RB_1_0_NTNV



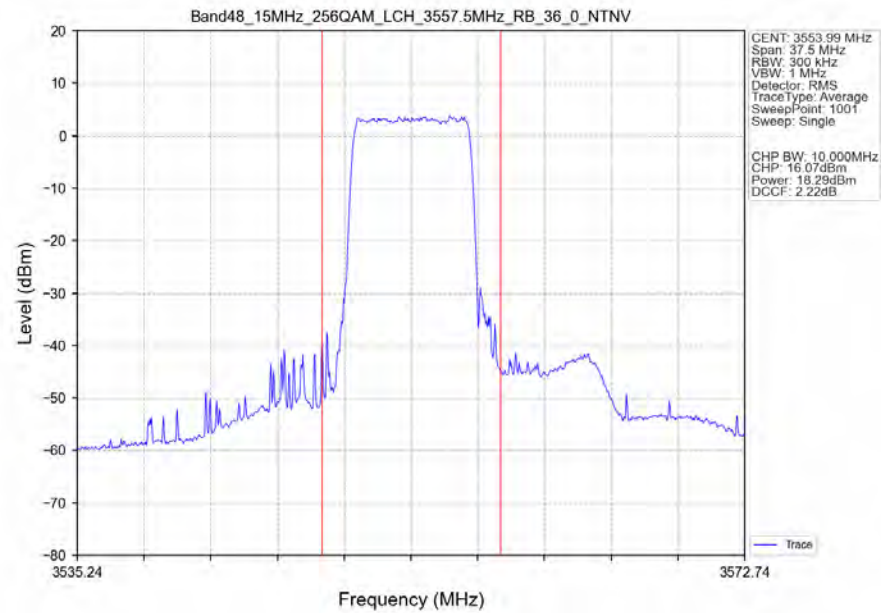
Band48 15MHz 256QAM LCH 3557.5MHz RB 1 38 NTN



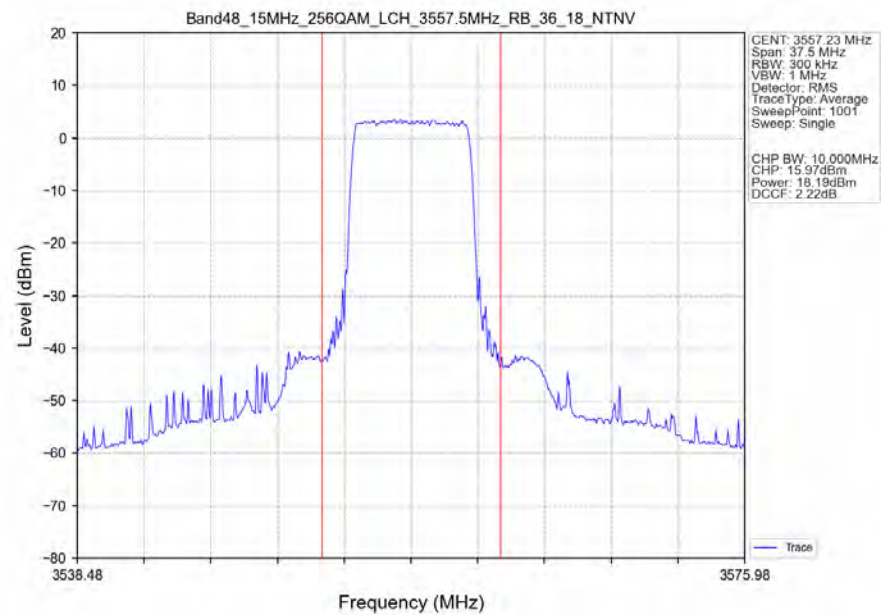
Band48 15MHz 256QAM LCH 3557.5MHz RB 1 74 NTN



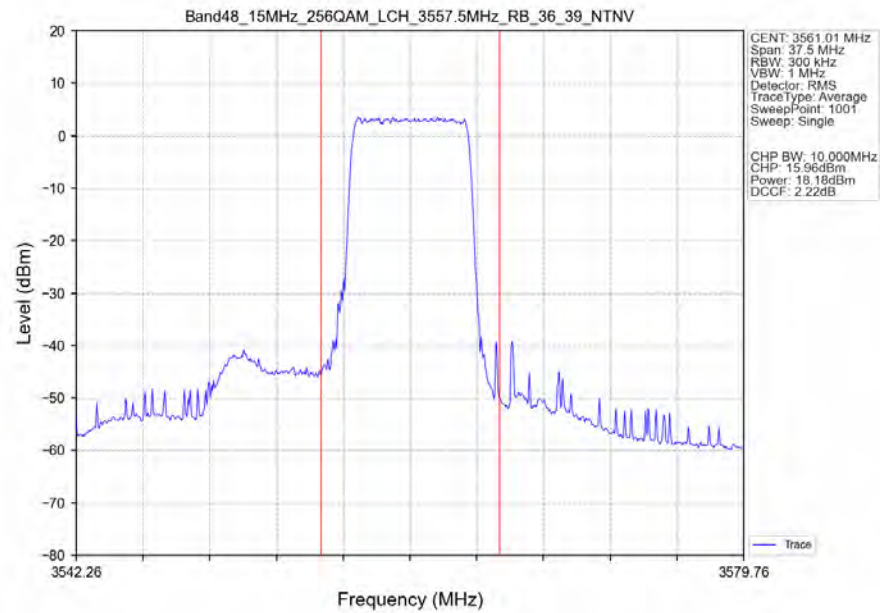
Band48_15MHz_256QAM_LCH_3557.5MHz_RB_36_0_NTNV



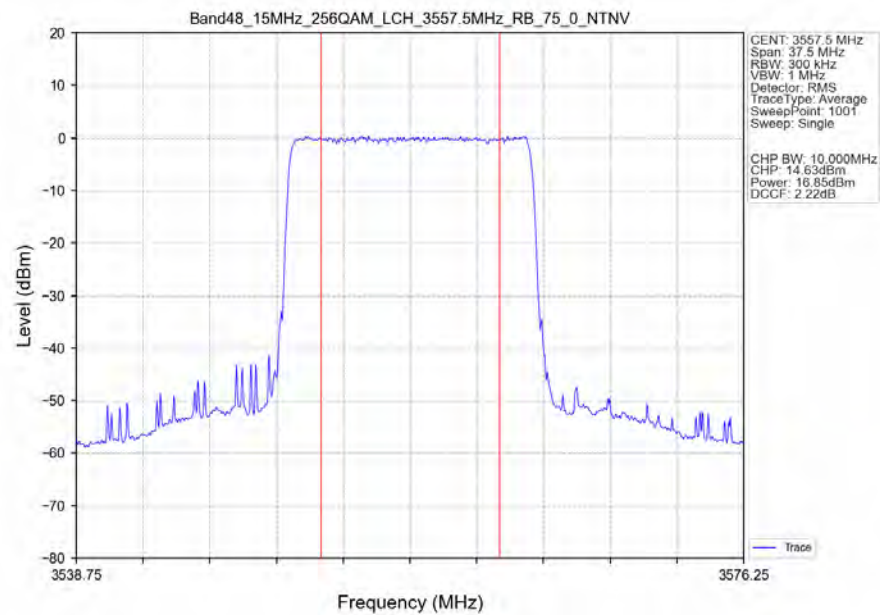
Band48_15MHz_256QAM_LCH_3557.5MHz_RB_36_18_NTNV



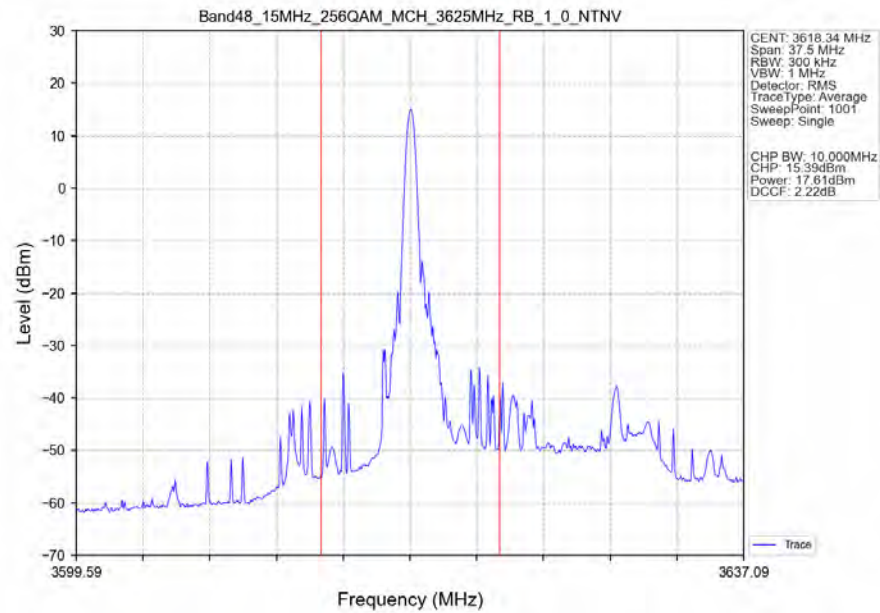
Band48_15MHz_256QAM_LCH_3557.5MHz_RB_36_39_NTNV



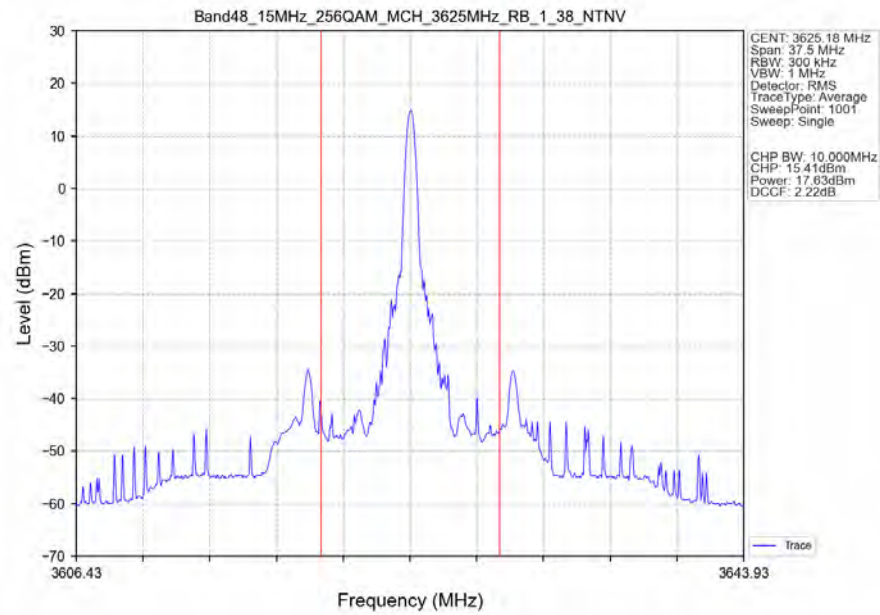
Band48_15MHz_256QAM_LCH_3557.5MHz_RB_75_0_NTNV



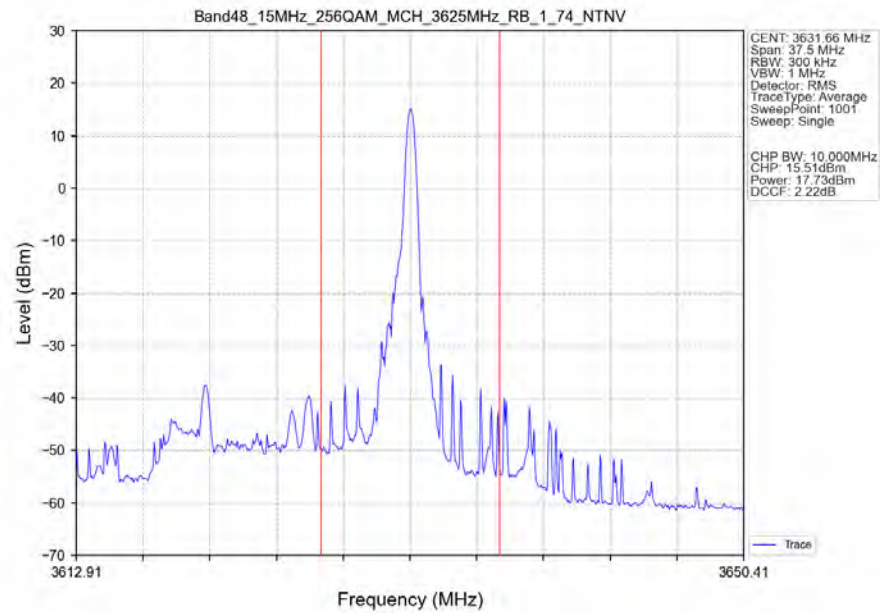
Band48 15MHz 256QAM MCH 3625MHz RB 1 0 NTV



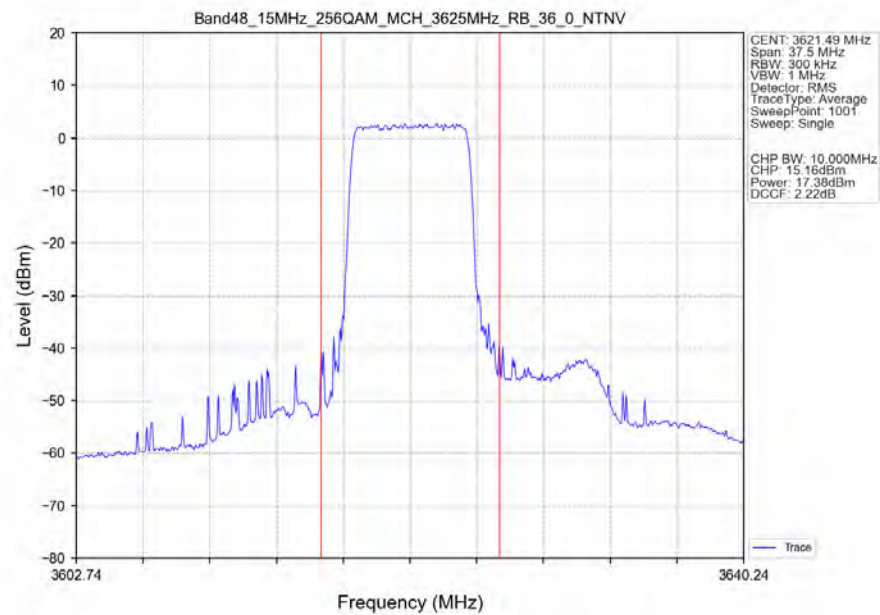
Band48 15MHz 256QAM MCH 3625MHz RB 1 38 NTV



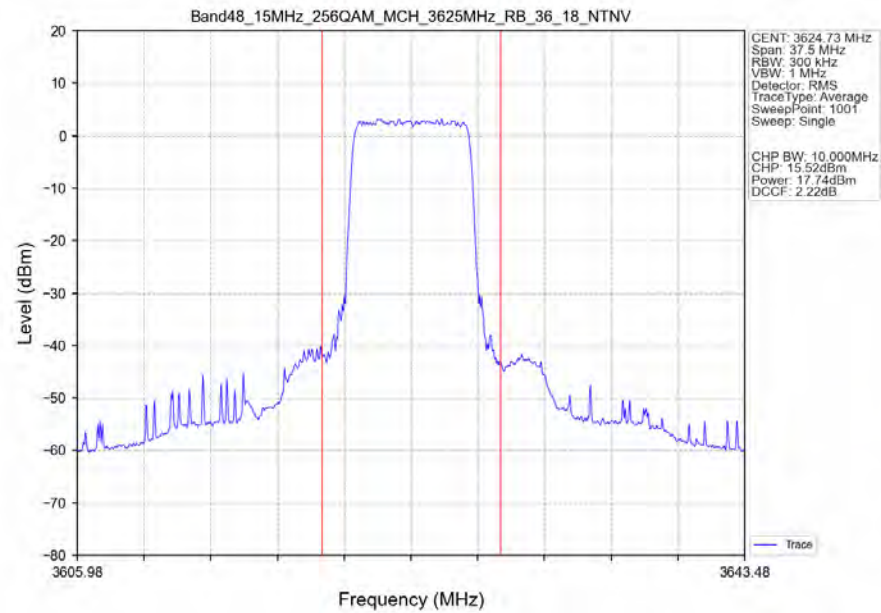
Band48_15MHz_256QAM_MCH_3625MHz_RB_1_74_NTNV



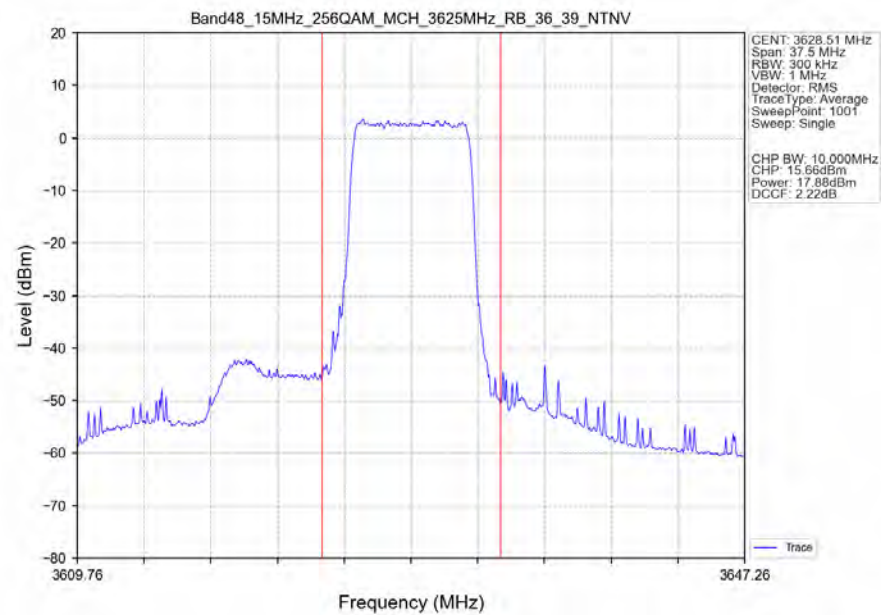
Band48_15MHz_256QAM_MCH_3625MHz_RB_36_0_NTNV



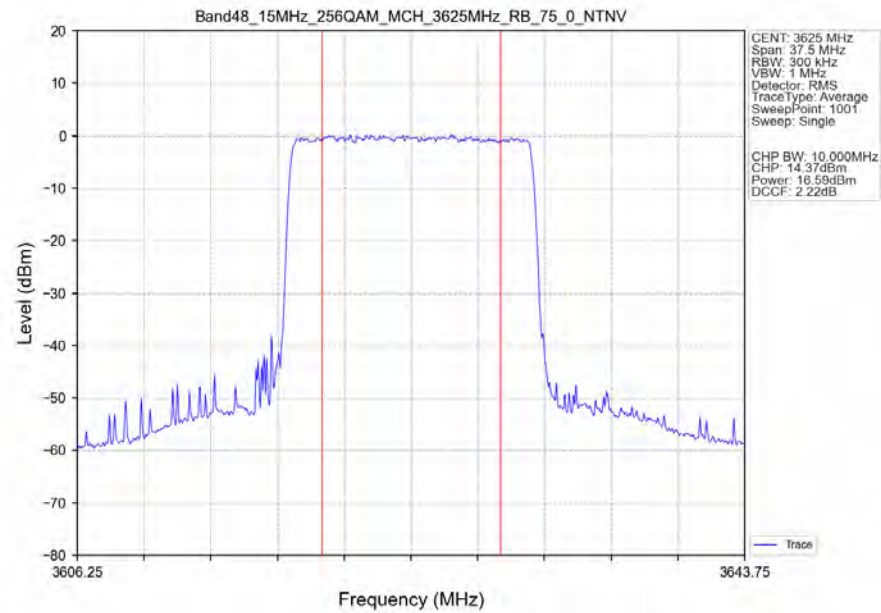
Band48 15MHz 256QAM MCH 3625MHz RB 36 18 NTN



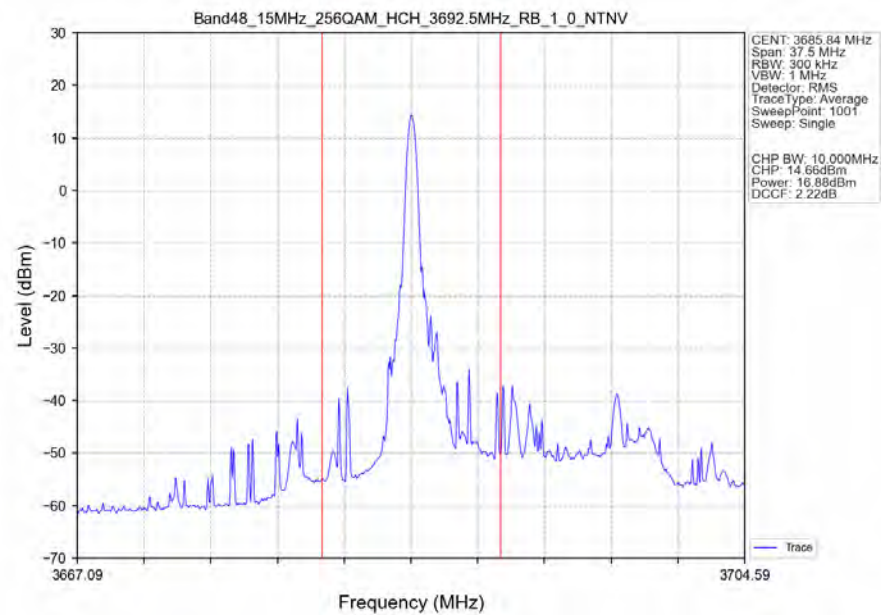
Band48 15MHz 256QAM MCH 3625MHz RB 36 39 NTN



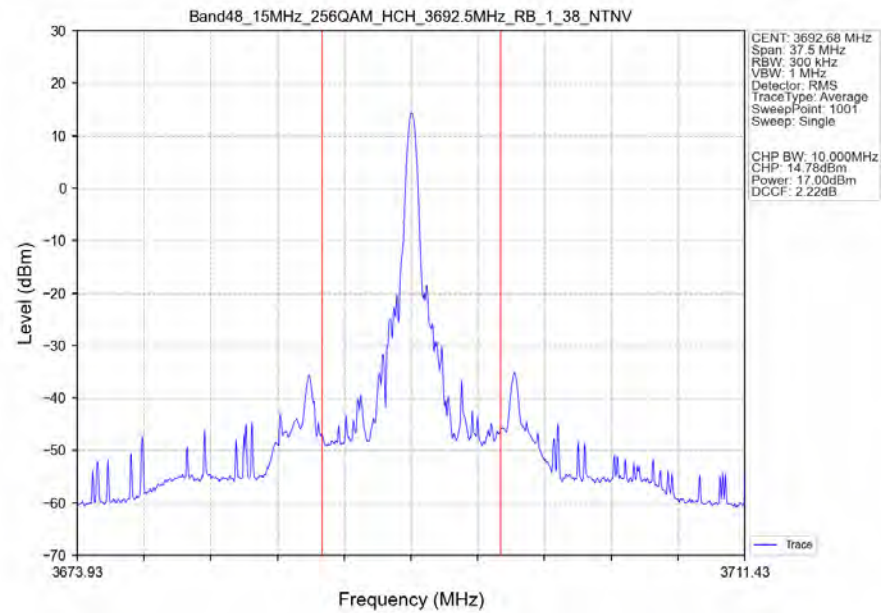
Band48_15MHz_256QAM_MCH_3625MHz_RB_75_0_NTNV



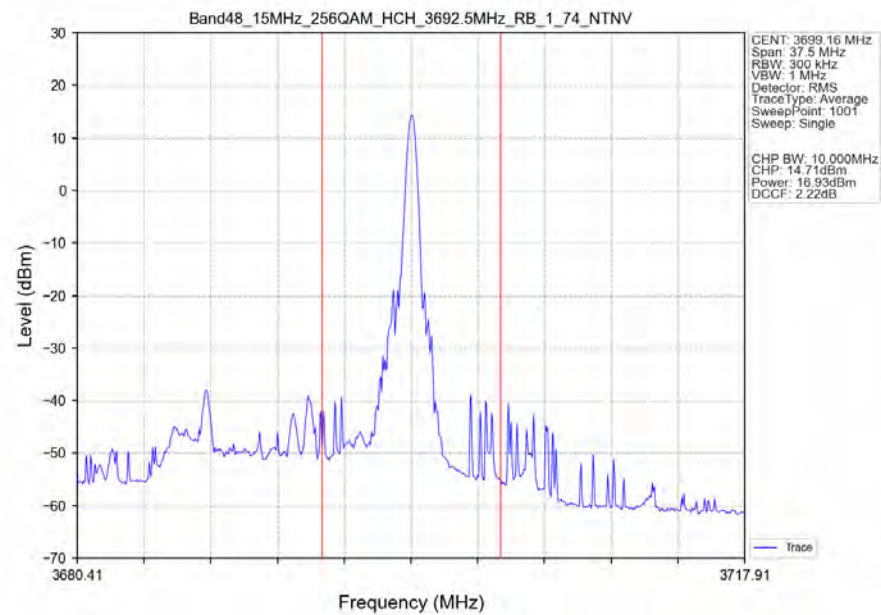
Band48_15MHz_256QAM_HCH_3692.5MHz_RB_1_0_NTNV



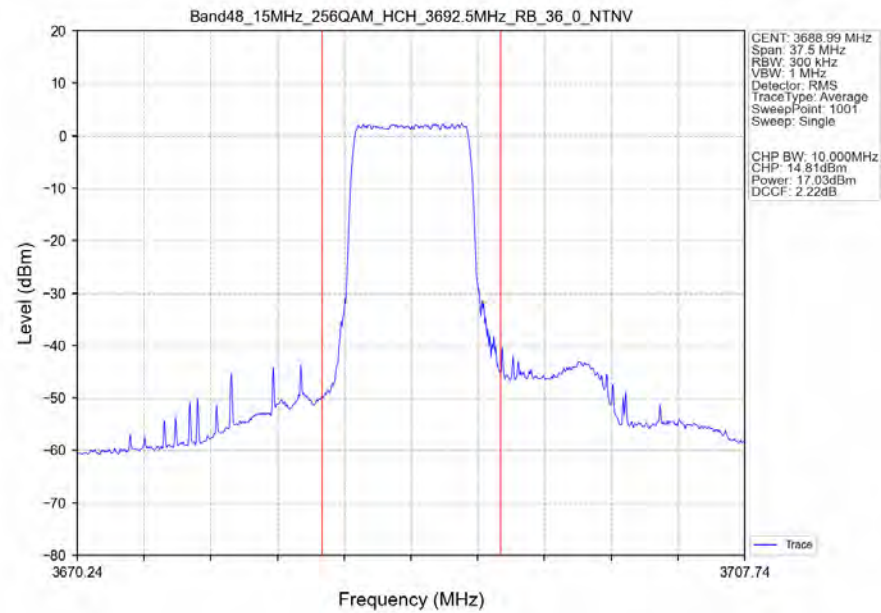
Band48 15MHz 256QAM HCH 3692.5MHz RB 1 38 NTN



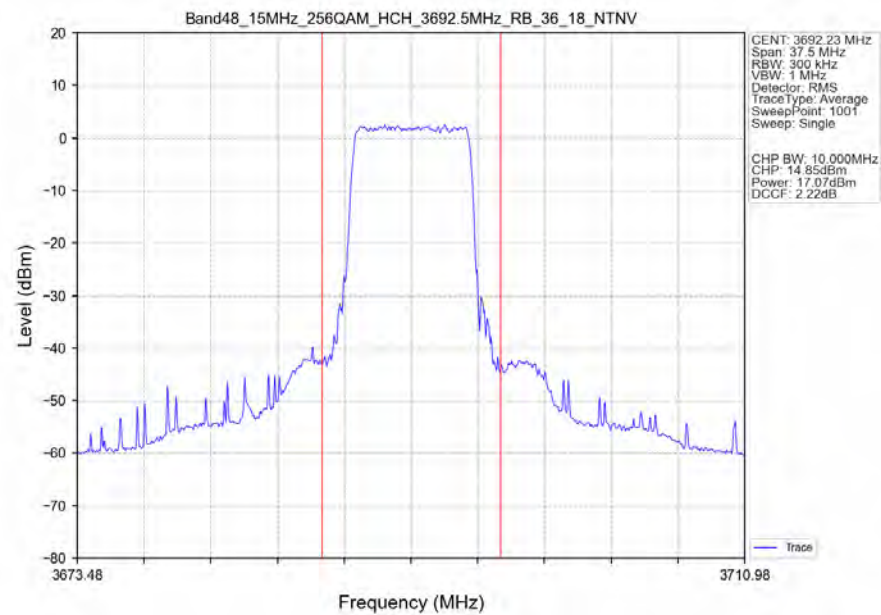
Band48 15MHz 256QAM HCH 3692.5MHz RB 1 74 NTN



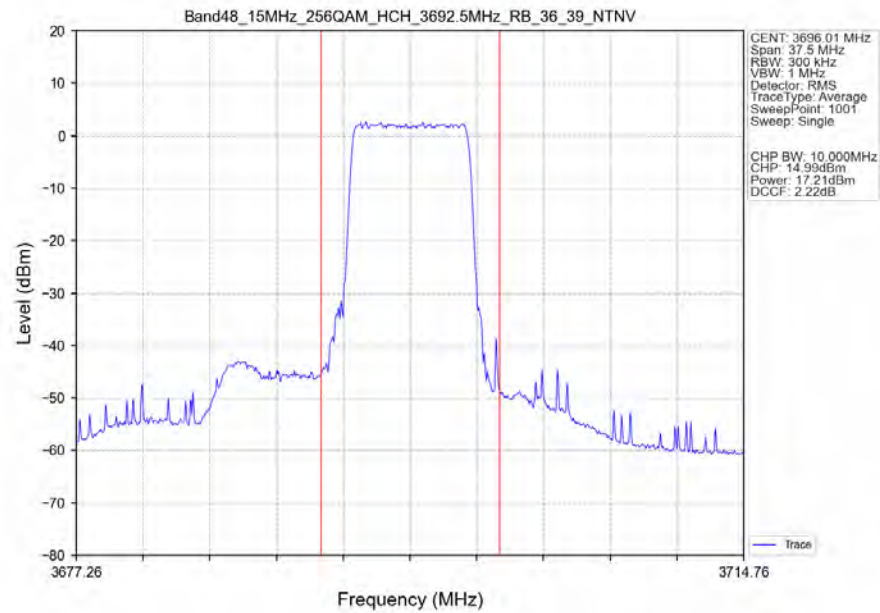
Band48 15MHz 256QAM HCH 3692.5MHz RB 36 0 NTV



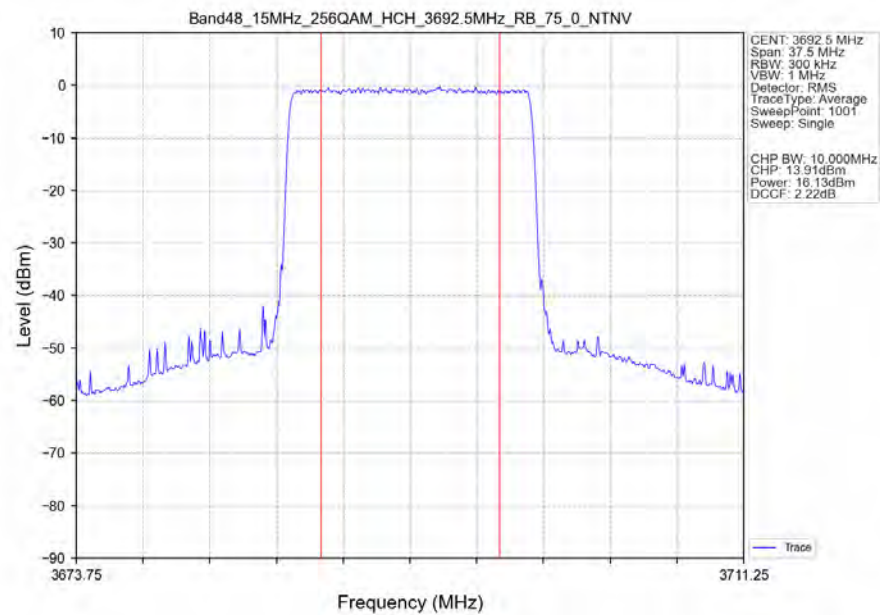
Band48 15MHz 256QAM HCH 3692.5MHz RB 36 18 NTV



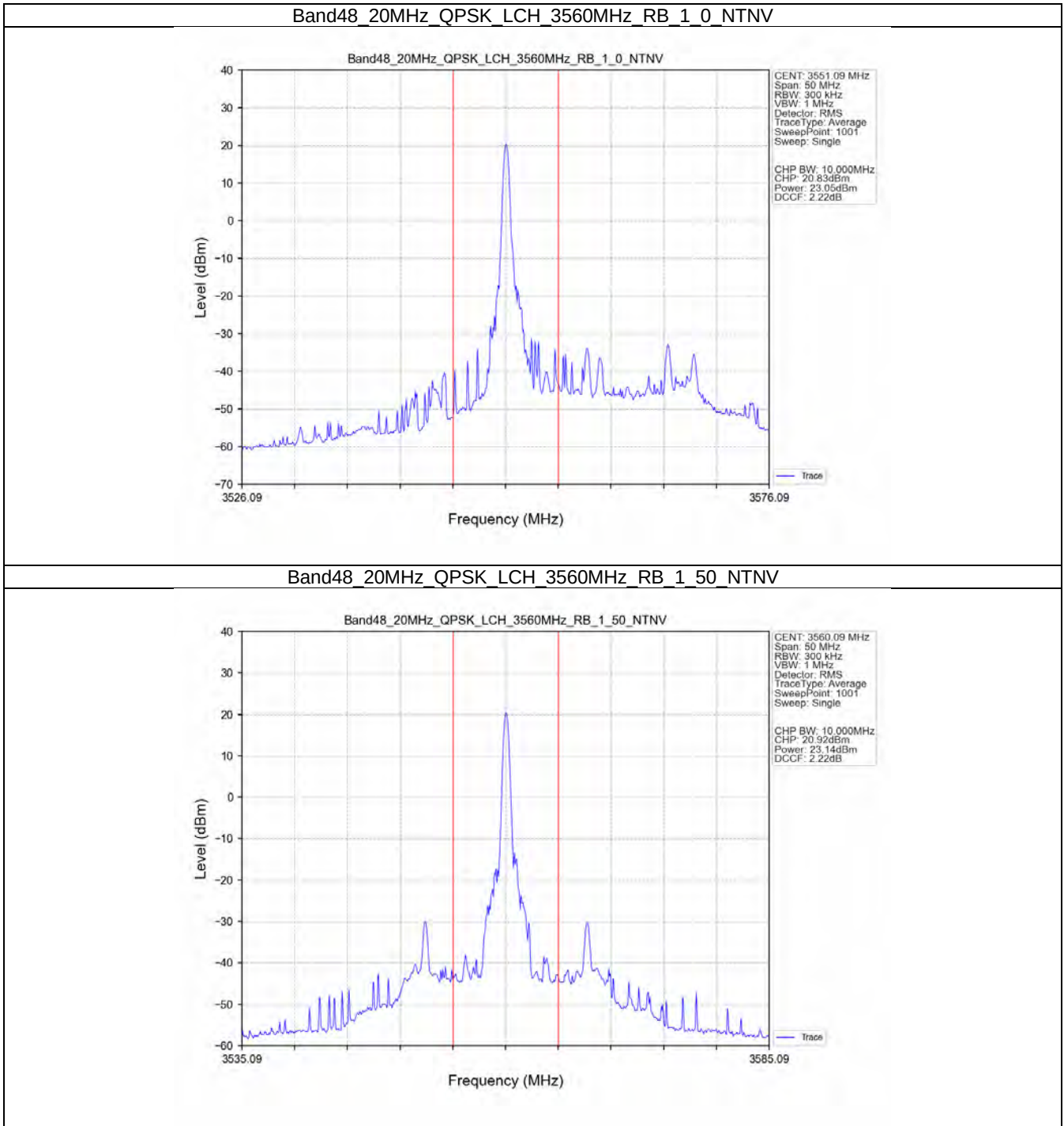
Band48 15MHz 256QAM HCH 3692.5MHz RB 36 39 NTV



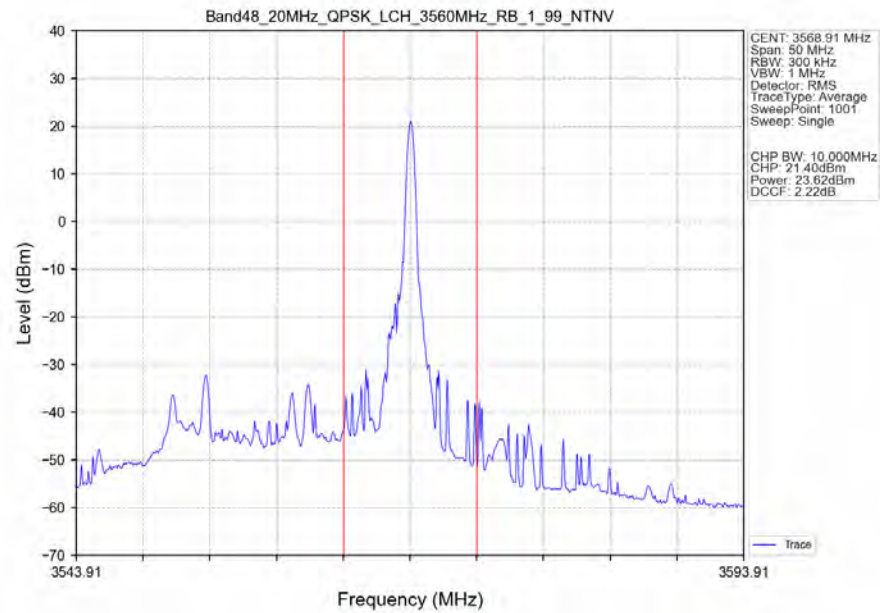
Band48 15MHz 256QAM HCH 3692.5MHz RB 75 0 NTV



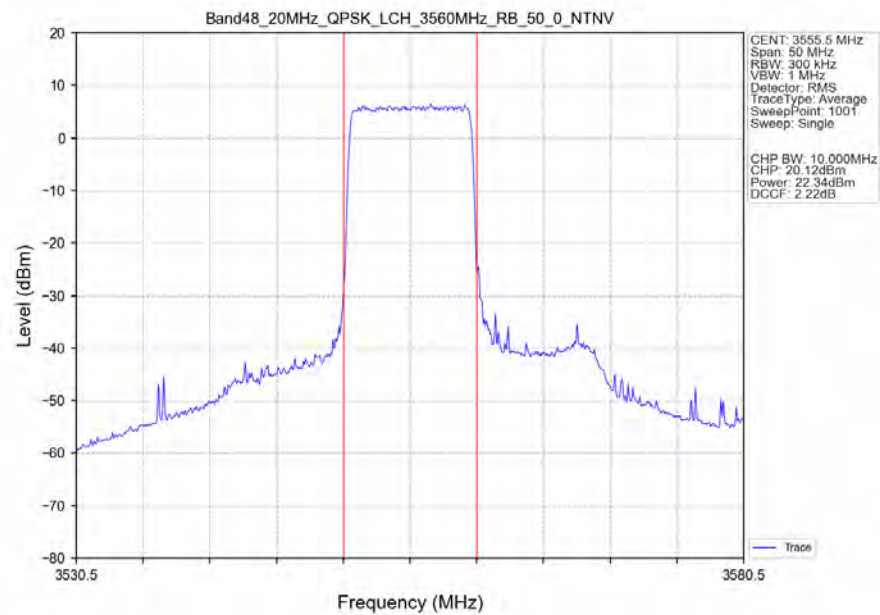
1.2.4 B48_20MHz_EIRP/10MHz



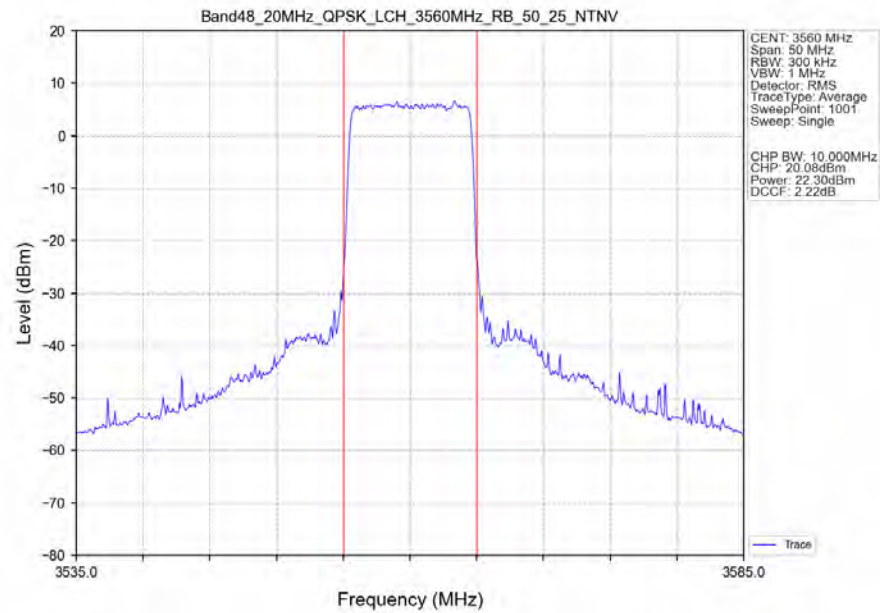
Band48 20MHz QPSK LCH 3560MHz RB 1 99 NTNV



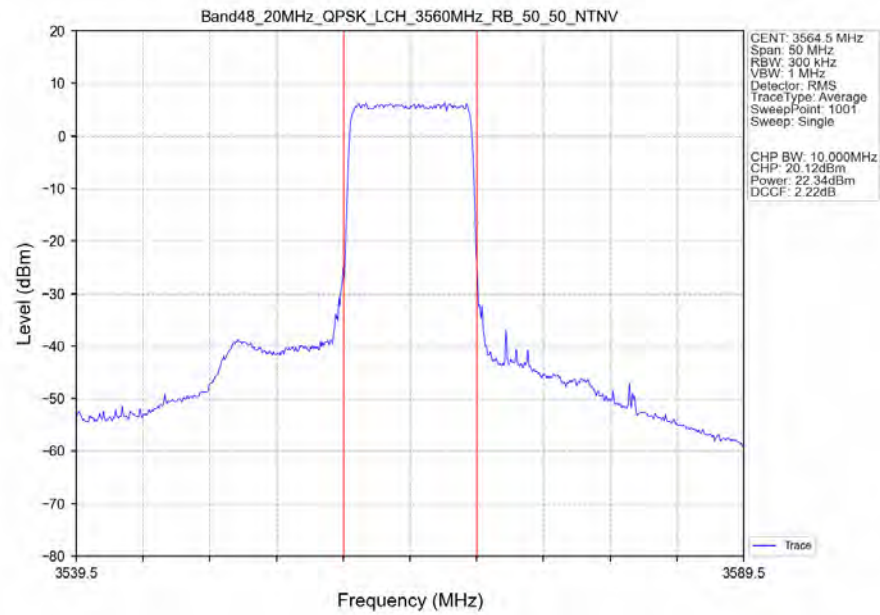
Band48 20MHz QPSK LCH 3560MHz RB 50 0 NTNV



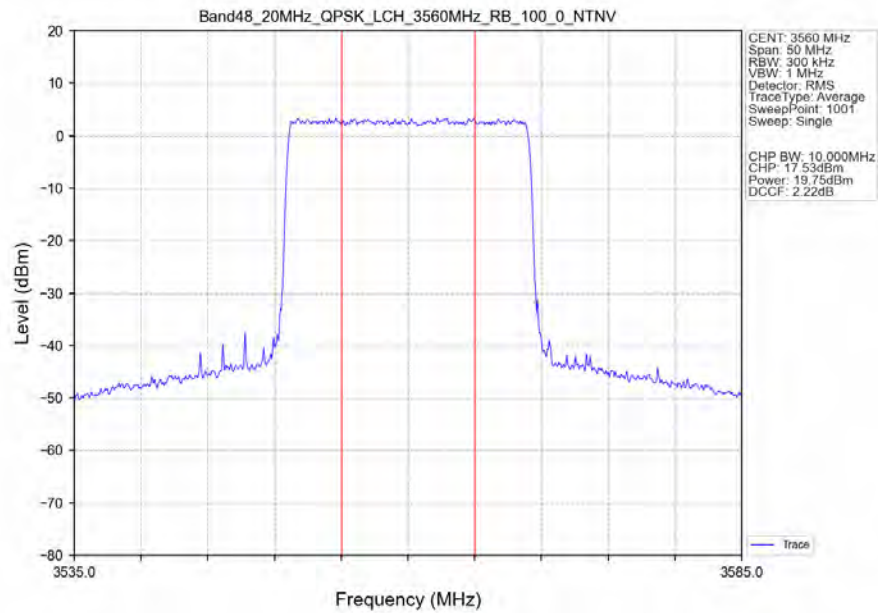
Band48 20MHz QPSK LCH 3560MHz RB 50 25 NTNV



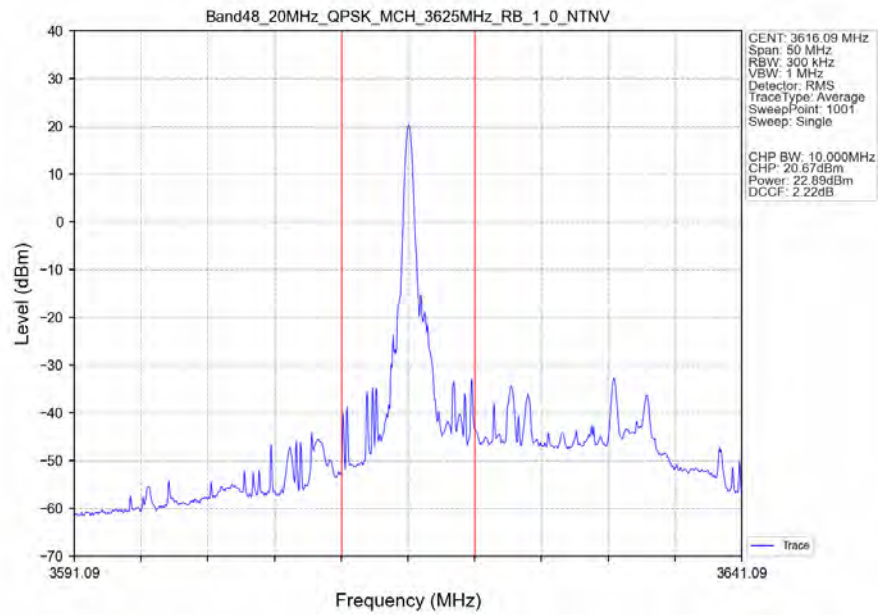
Band48 20MHz QPSK LCH 3560MHz RB 50 50 NTNV



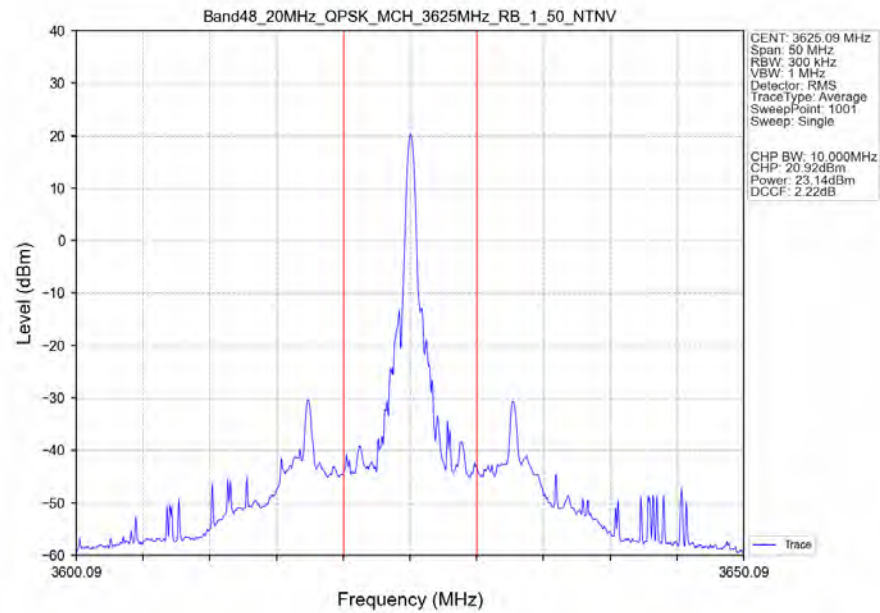
Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTNV



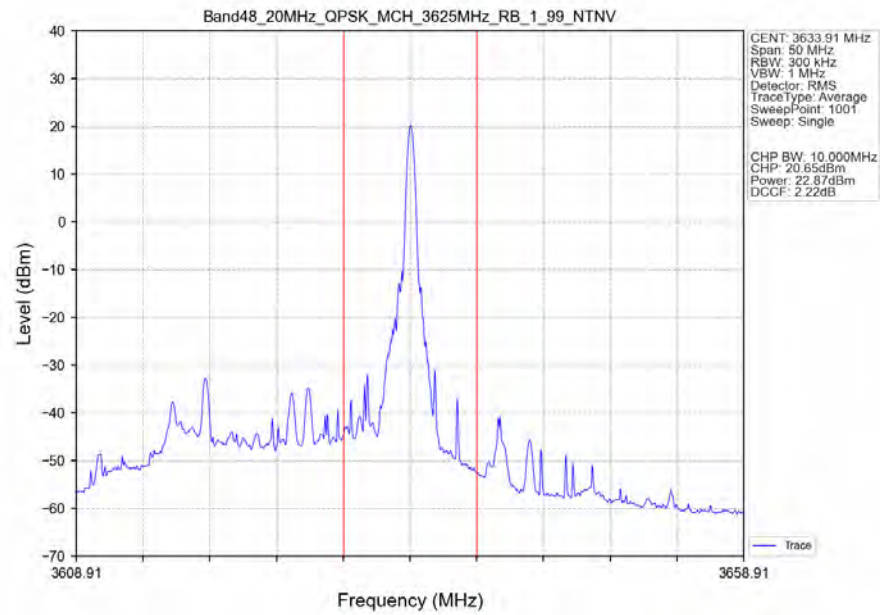
Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTNV



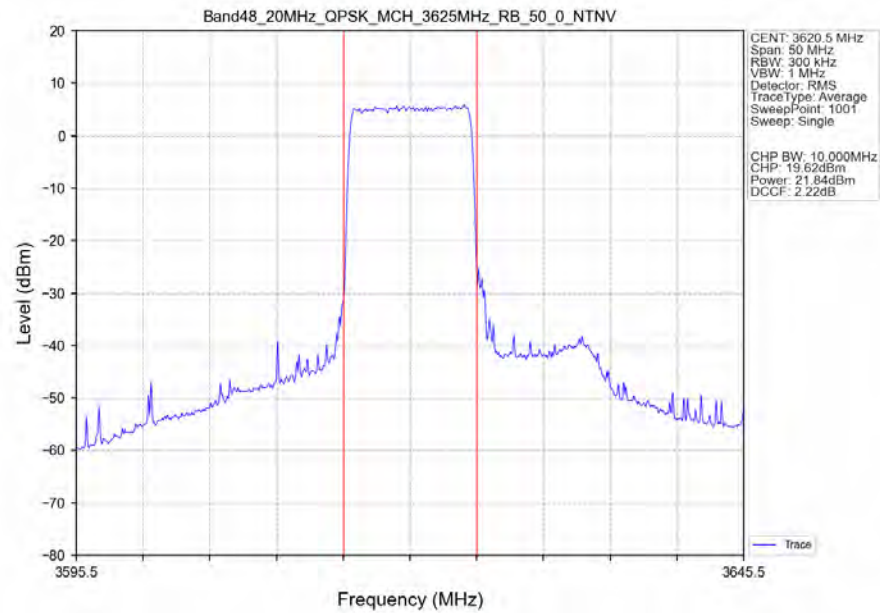
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_50_NTNV



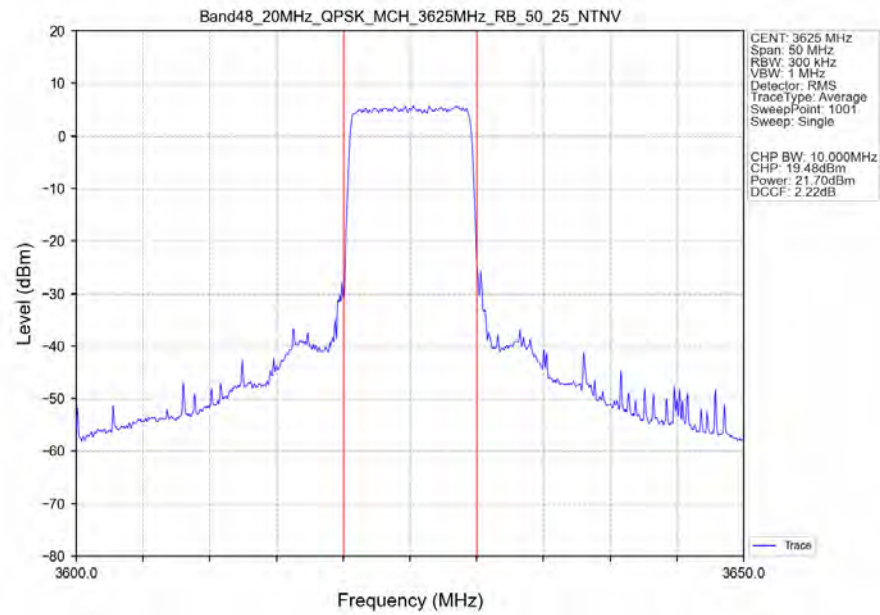
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_99_NTNV



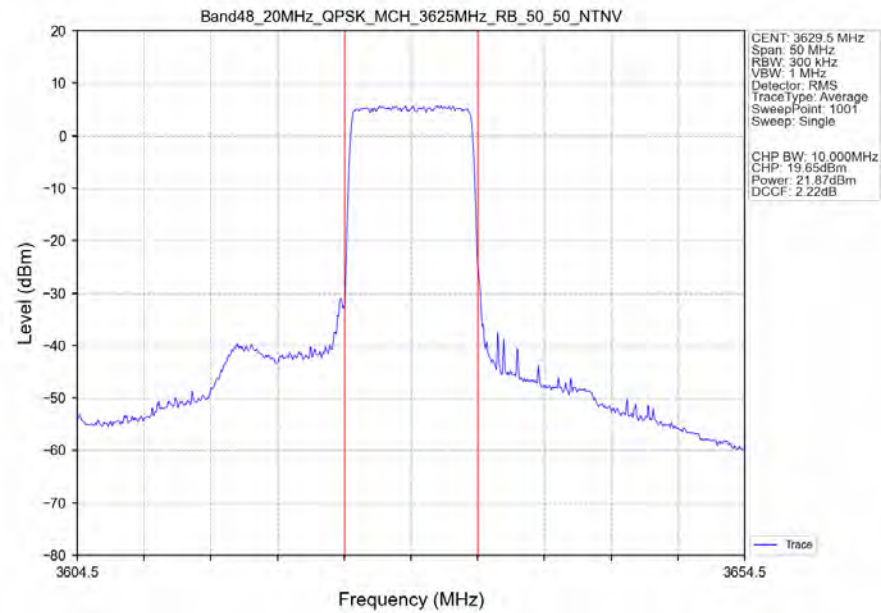
Band48_20MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



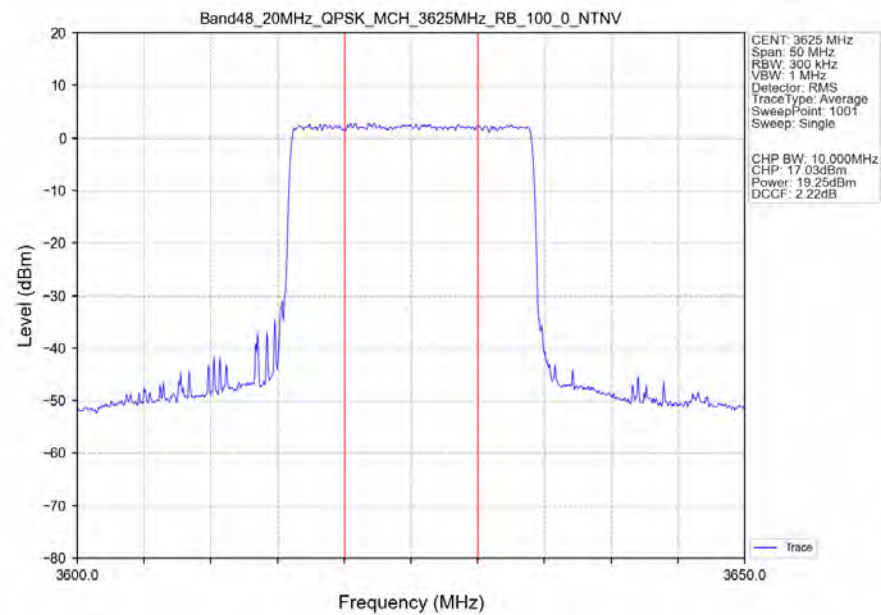
Band48_20MHz_QPSK_MCH_3625MHz_RB_50_25_NTNV



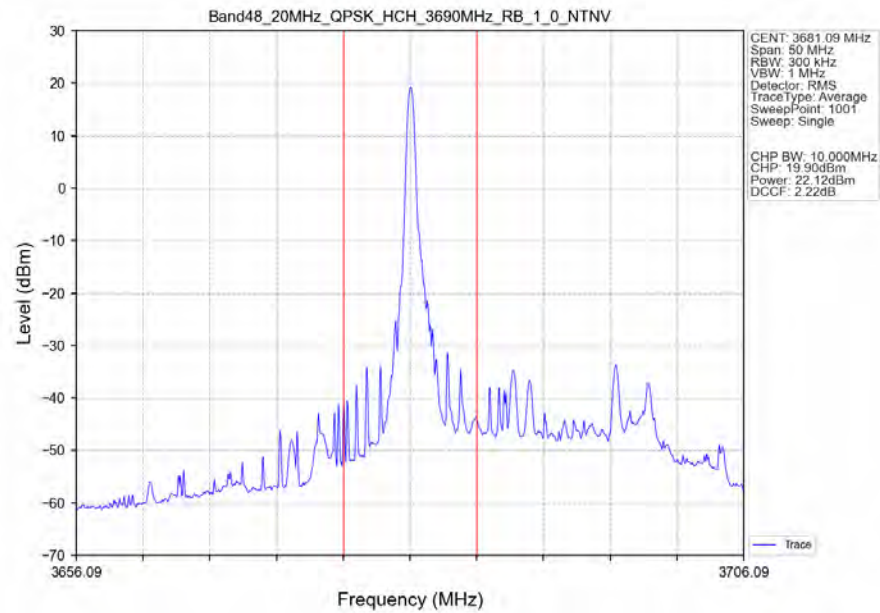
Band48 20MHz QPSK MCH 3625MHz RB 50 50 NTNV



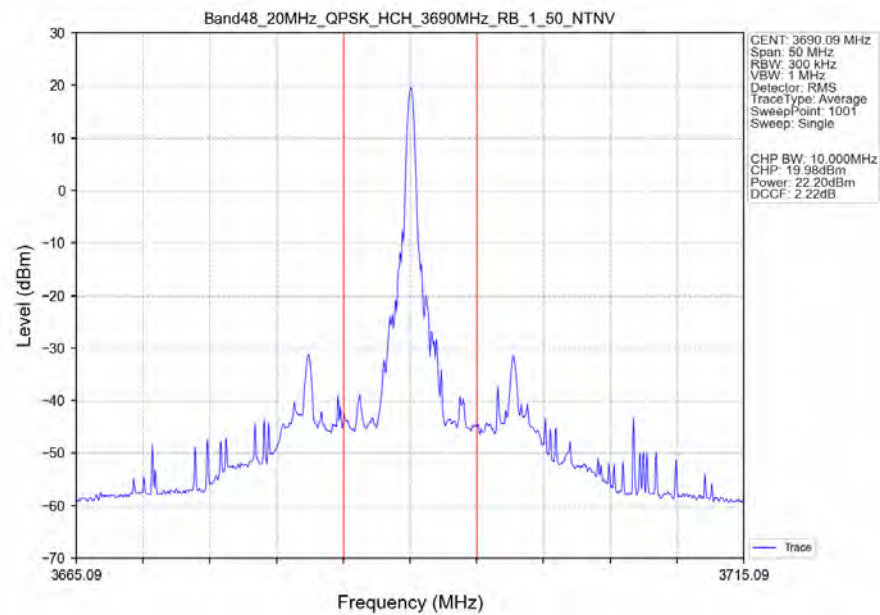
Band48 20MHz QPSK MCH 3625MHz RB 100 0 NTNV



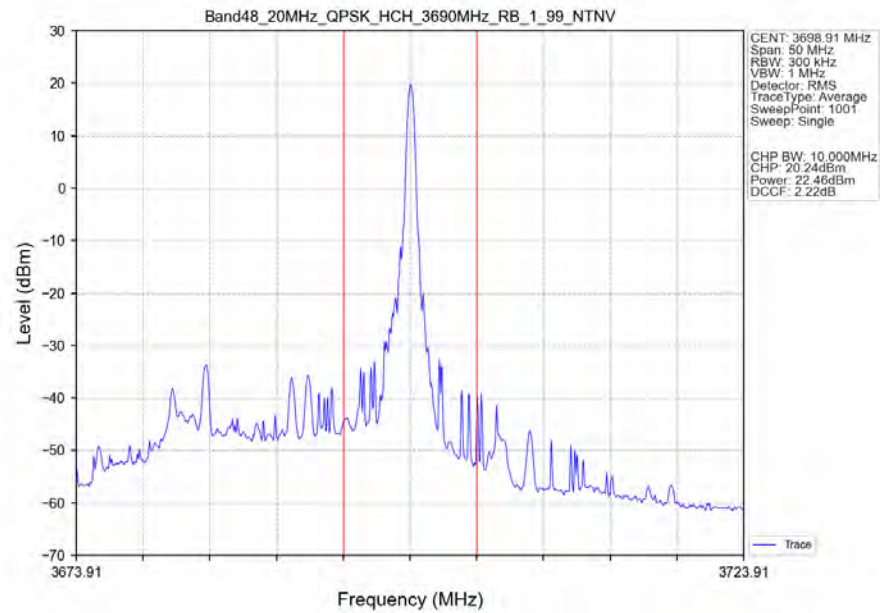
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTN



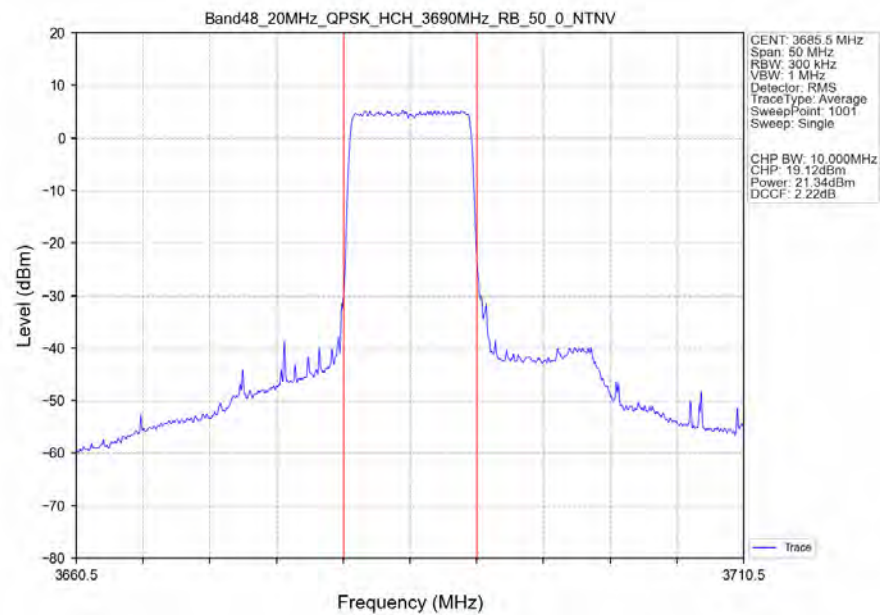
Band48 20MHz QPSK HCH 3690MHz RB 1 50 NTN



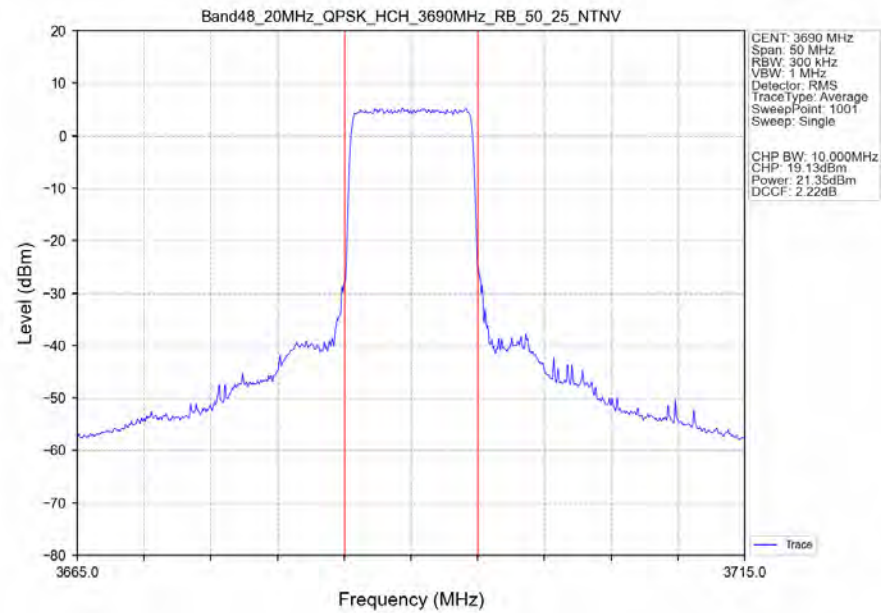
Band48_20MHz_QPSK_HCH_3690MHz_RB_1_99_NTNV



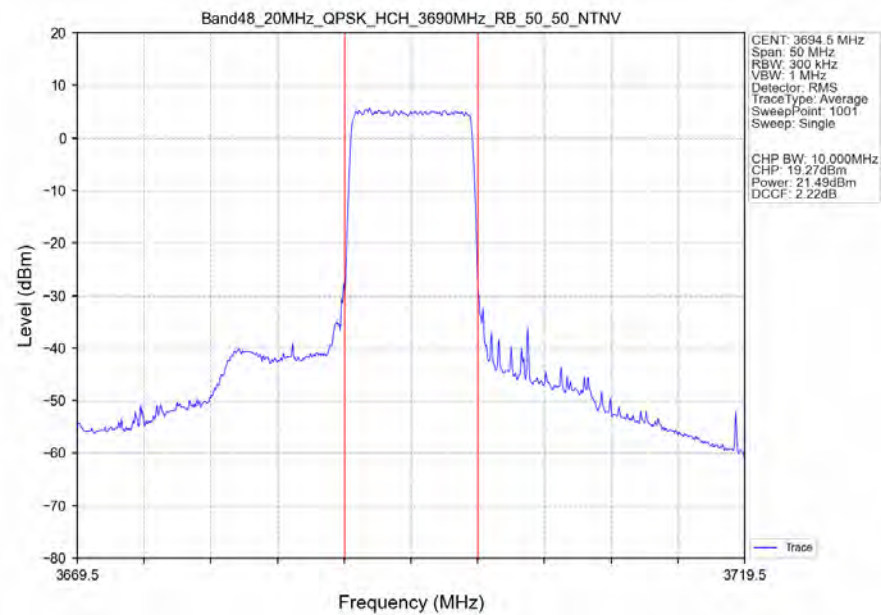
Band48_20MHz_QPSK_HCH_3690MHz_RB_50_0_NTNV



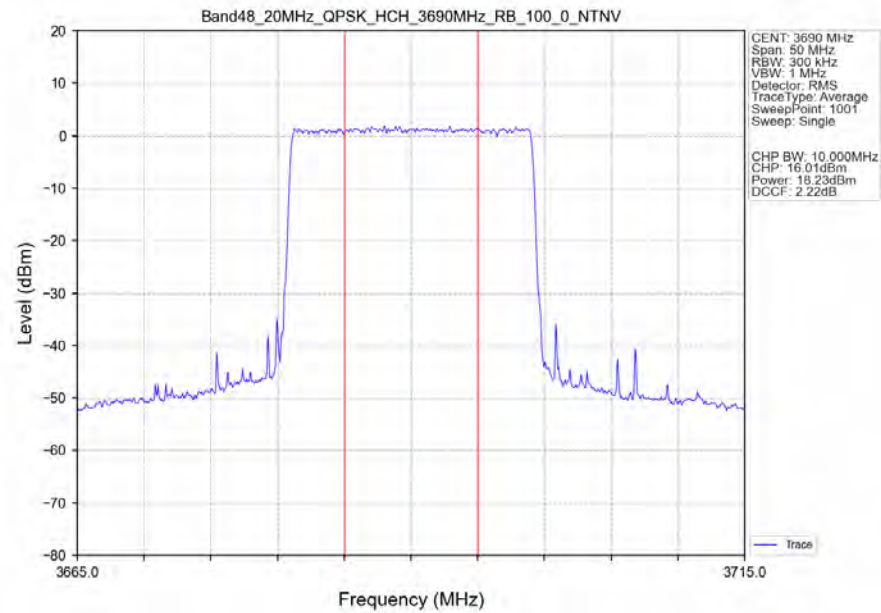
Band48 20MHz QPSK HCH 3690MHz RB 50 25 NTV



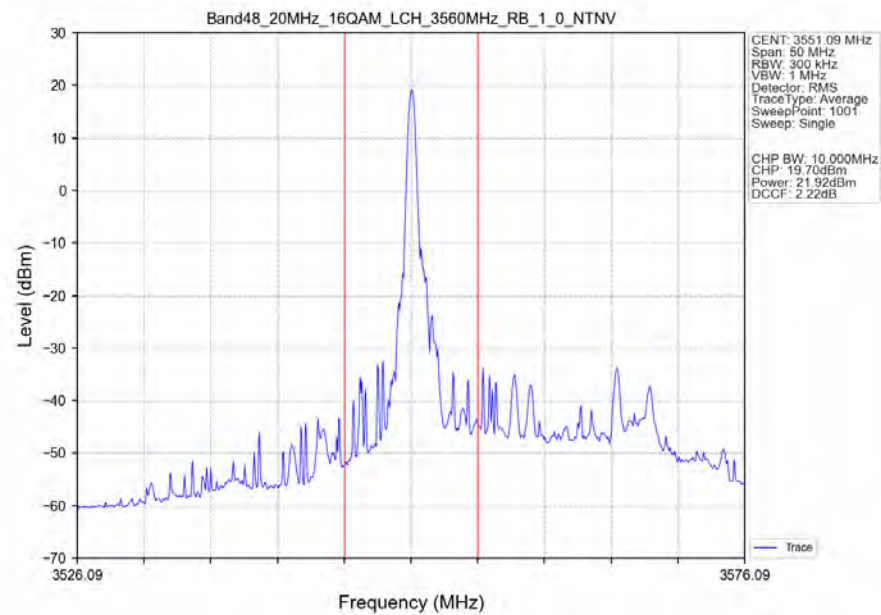
Band48 20MHz QPSK HCH 3690MHz RB 50 50 NTV



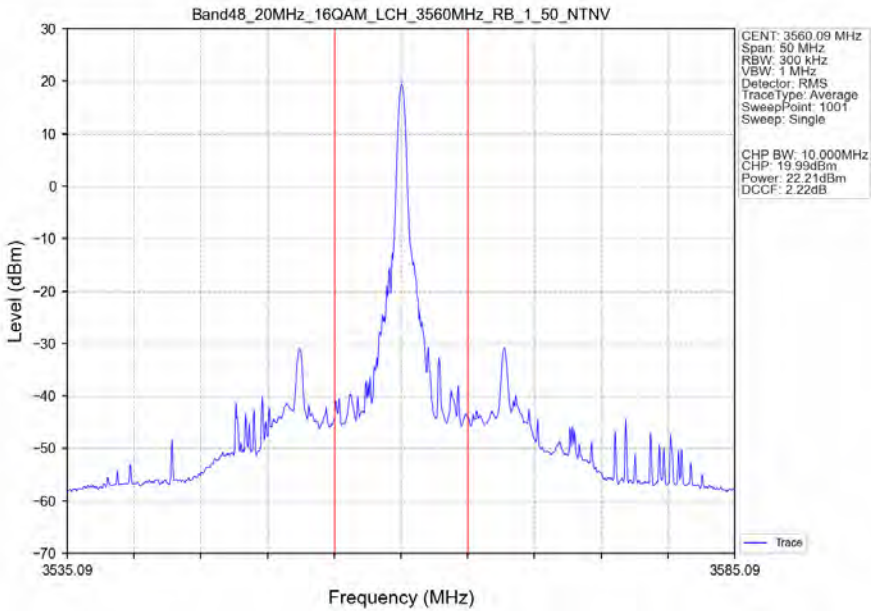
Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTNV



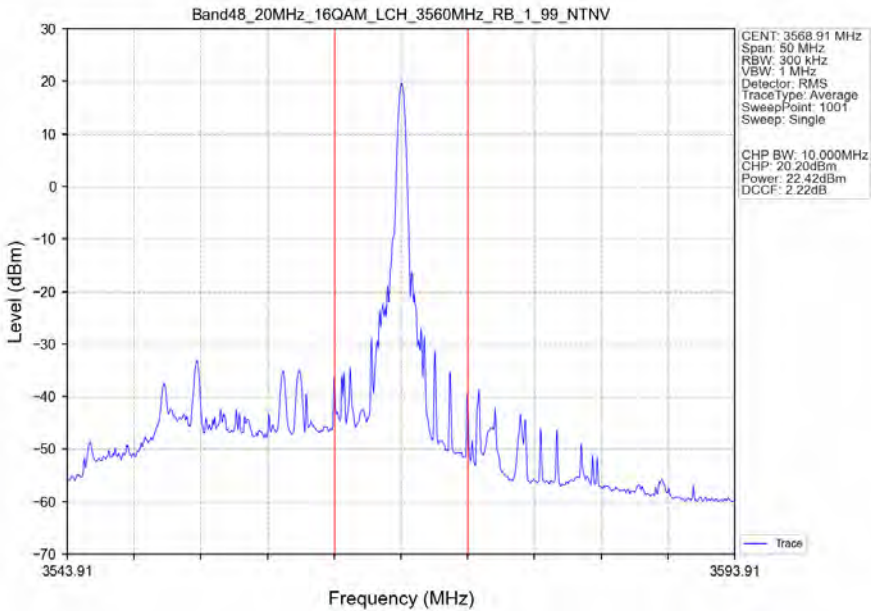
Band48 20MHz 16QAM LCH 3560MHz RB 1 0 NTNV



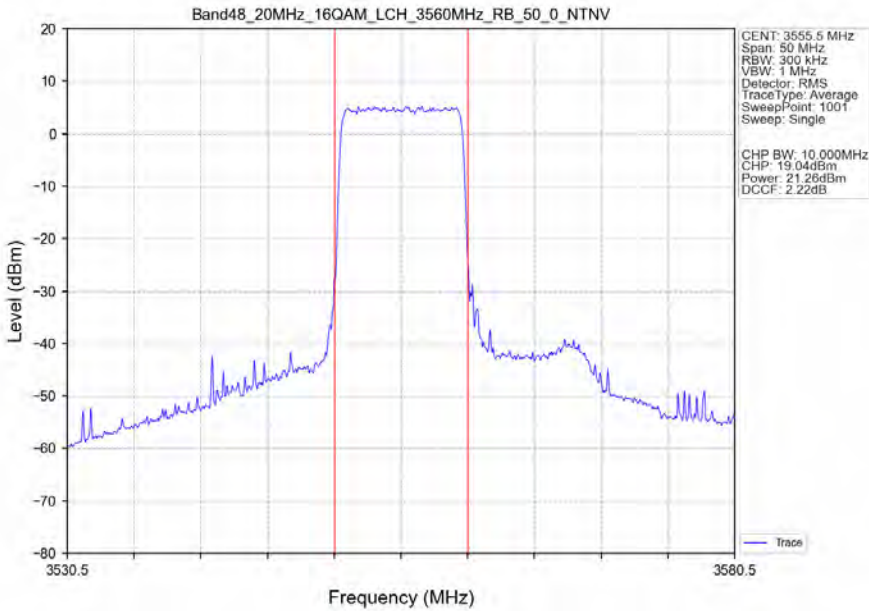
Band48 20MHz 16QAM LCH 3560MHz RB 1 50 NTNV



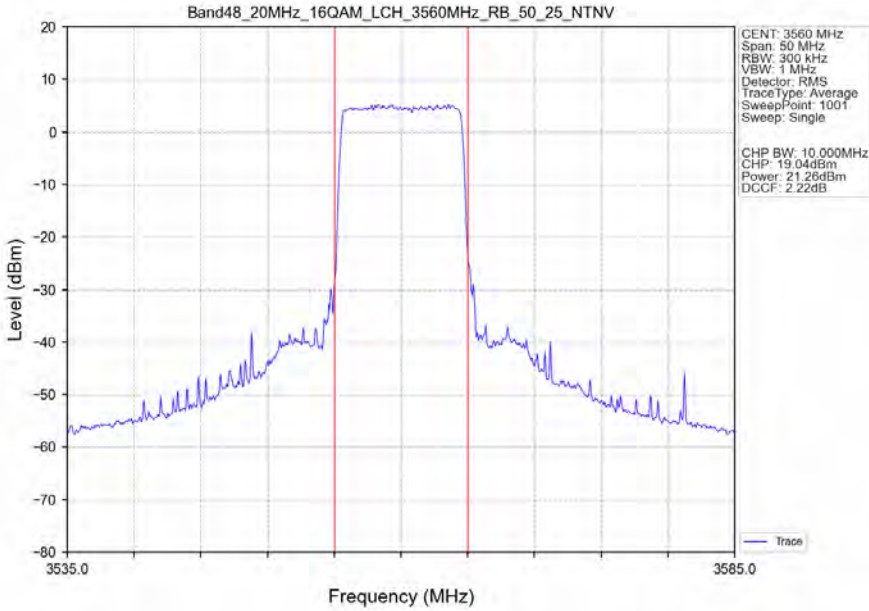
Band48 20MHz 16QAM LCH 3560MHz RB 1 99 NTNV



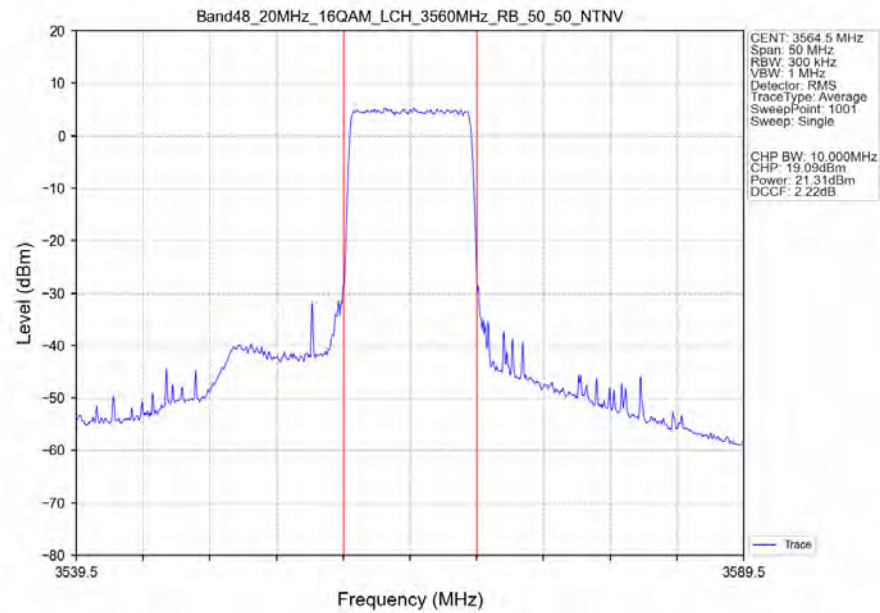
Band48 20MHz 16QAM LCH 3560MHz RB 50 0 NTV



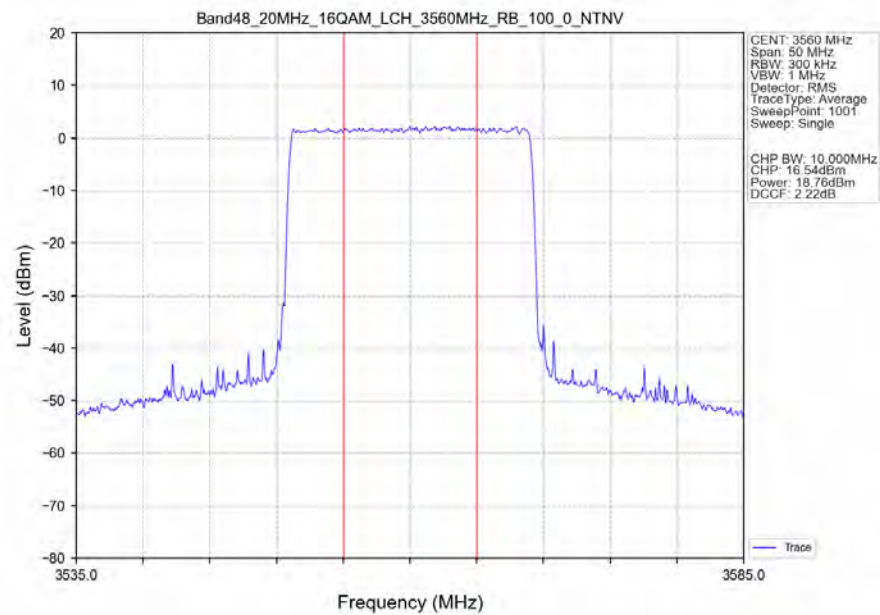
Band48 20MHz 16QAM LCH 3560MHz RB 50 25 NTV



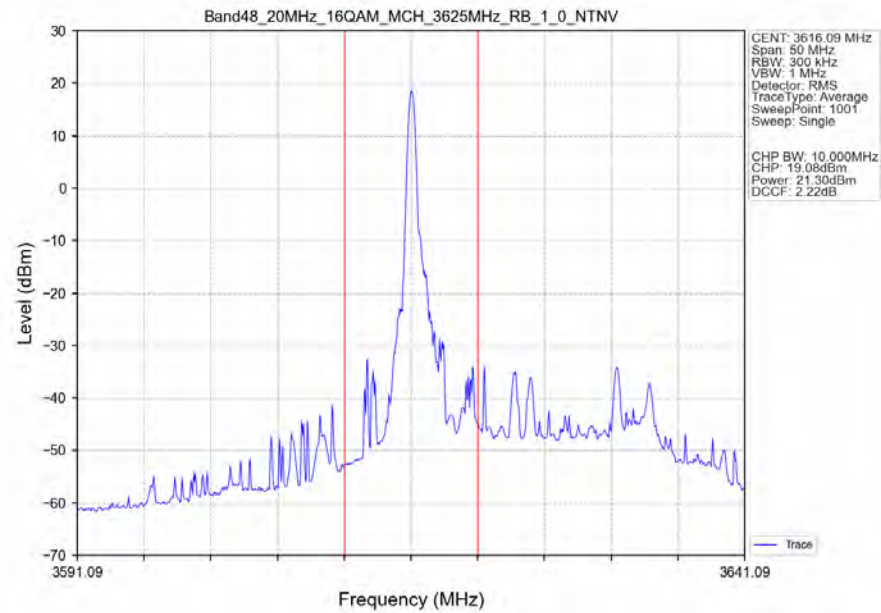
Band48 20MHz 16QAM LCH 3560MHz RB 50 50 NTV



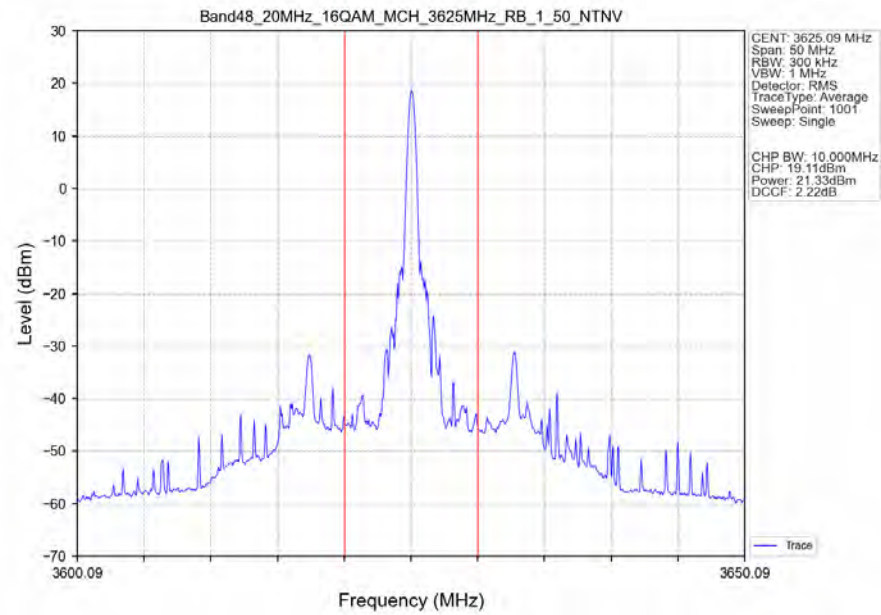
Band48 20MHz 16QAM LCH 3560MHz RB 100 0 NTV



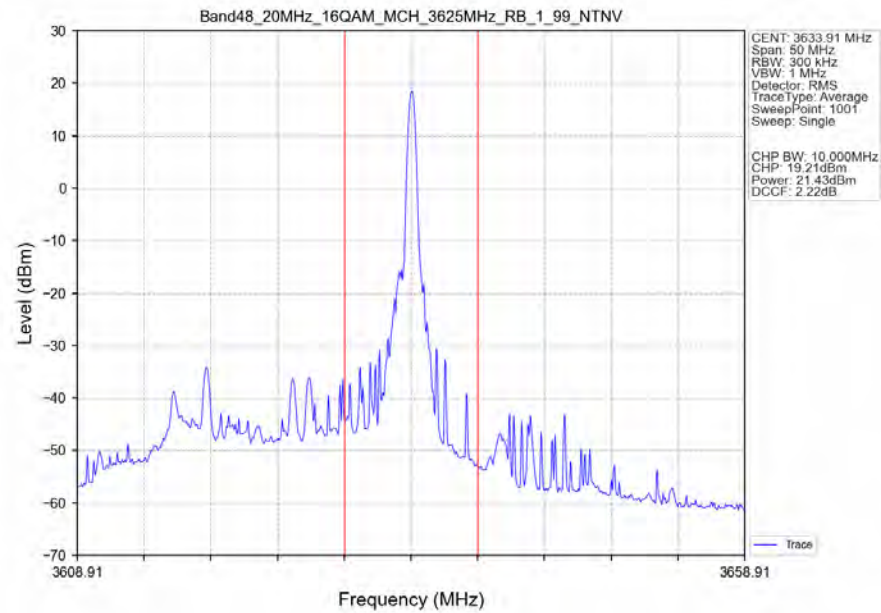
Band48_20MHz_16QAM_MCH_3625MHz_RB_1_0_NTNV



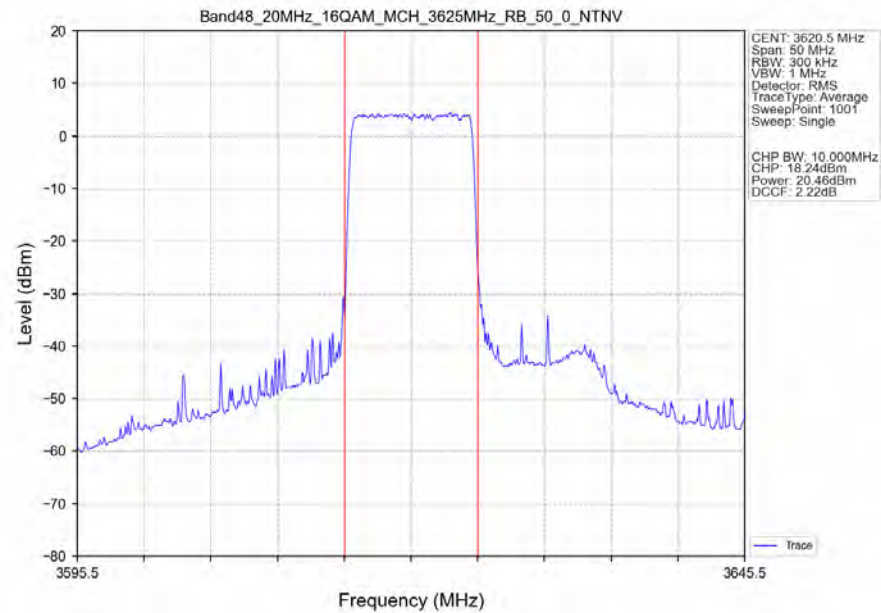
Band48_20MHz_16QAM_MCH_3625MHz_RB_1_50_NTNV



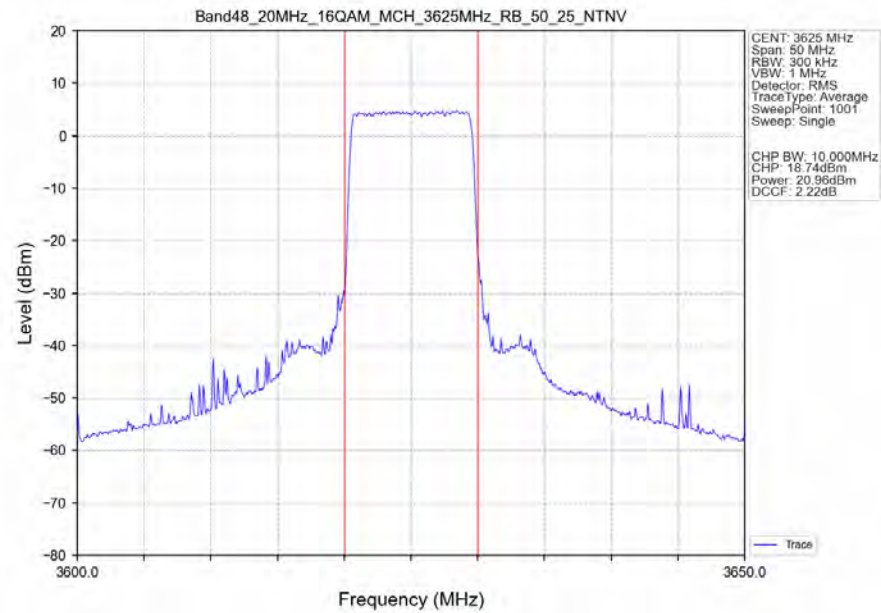
Band48 20MHz 16QAM MCH 3625MHz RB 1 99 NTNV



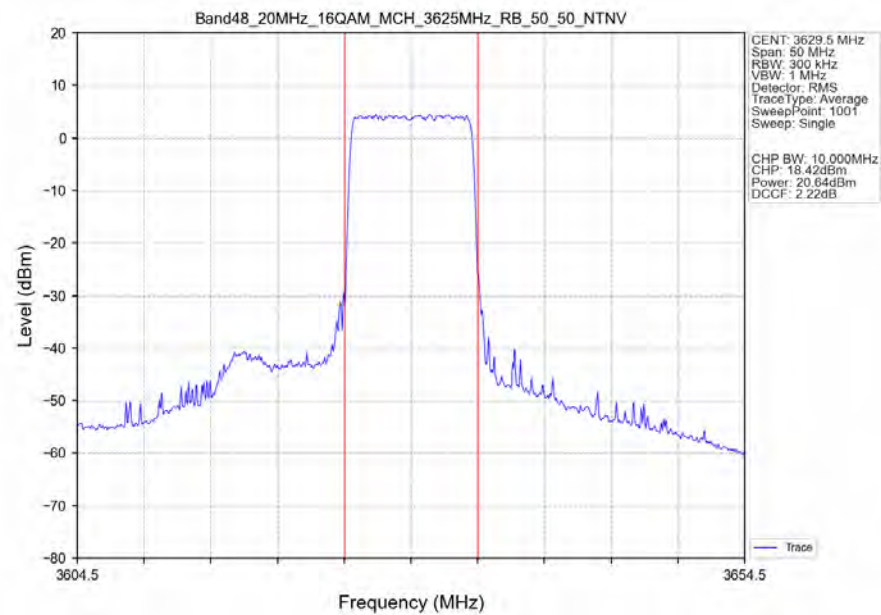
Band48 20MHz 16QAM MCH 3625MHz RB 50 0 NTNV



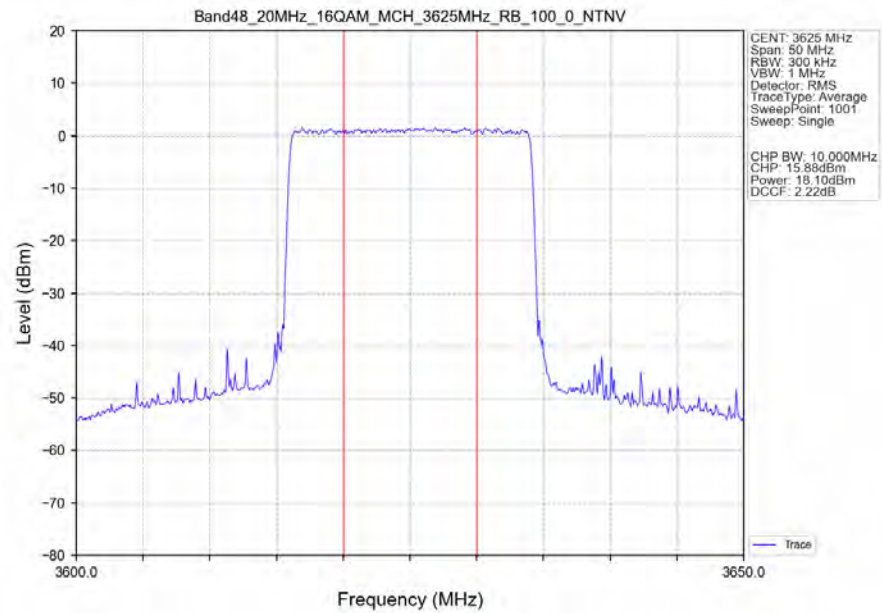
Band48 20MHz 16QAM MCH 3625MHz RB 50 25 NTV



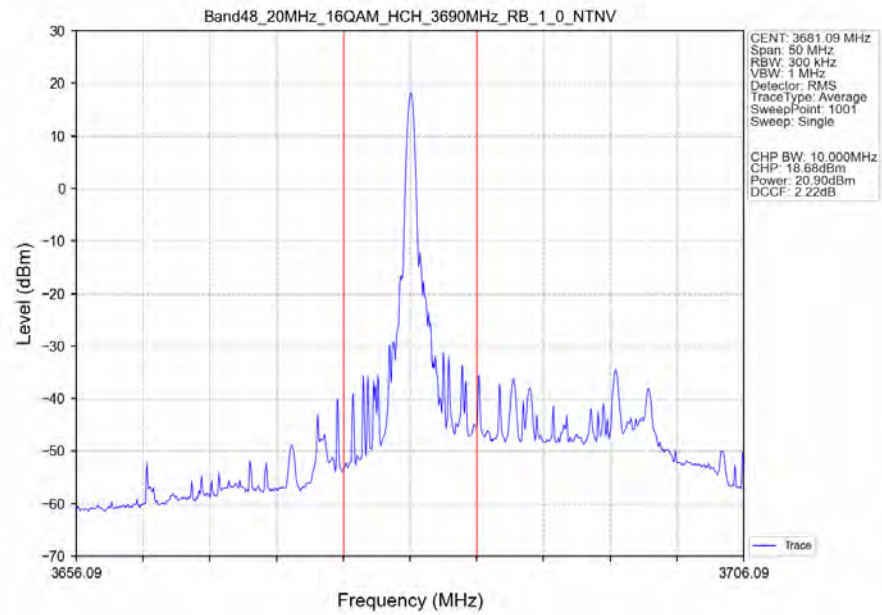
Band48 20MHz 16QAM MCH 3625MHz RB 50 50 NTV



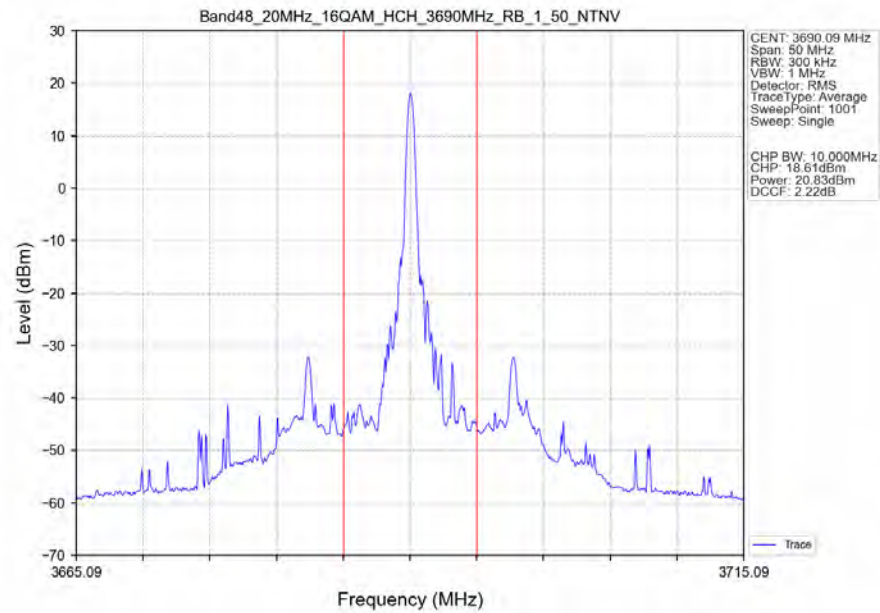
Band48 20MHz 16QAM MCH 3625MHz RB 100 0 NTV



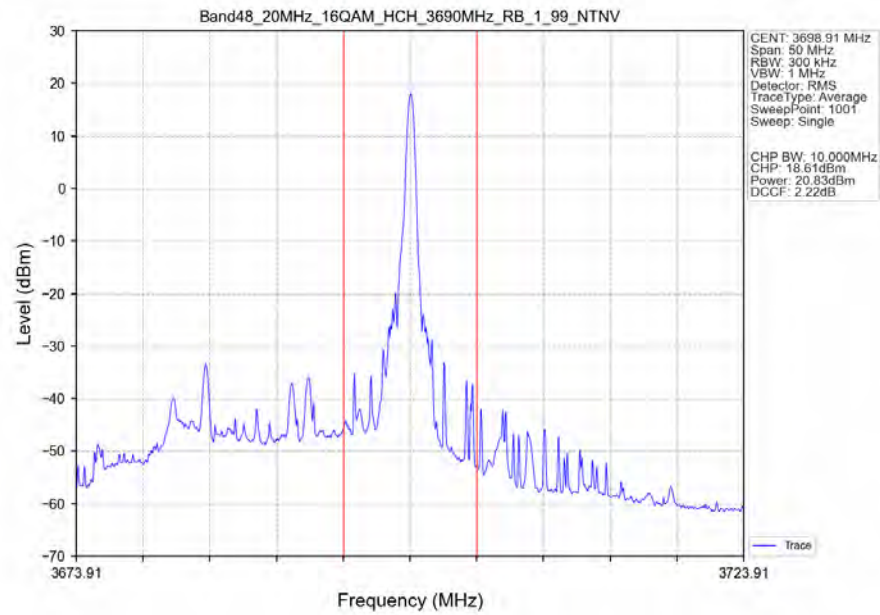
Band48 20MHz 16QAM HCH 3690MHz RB 1 0 NTV



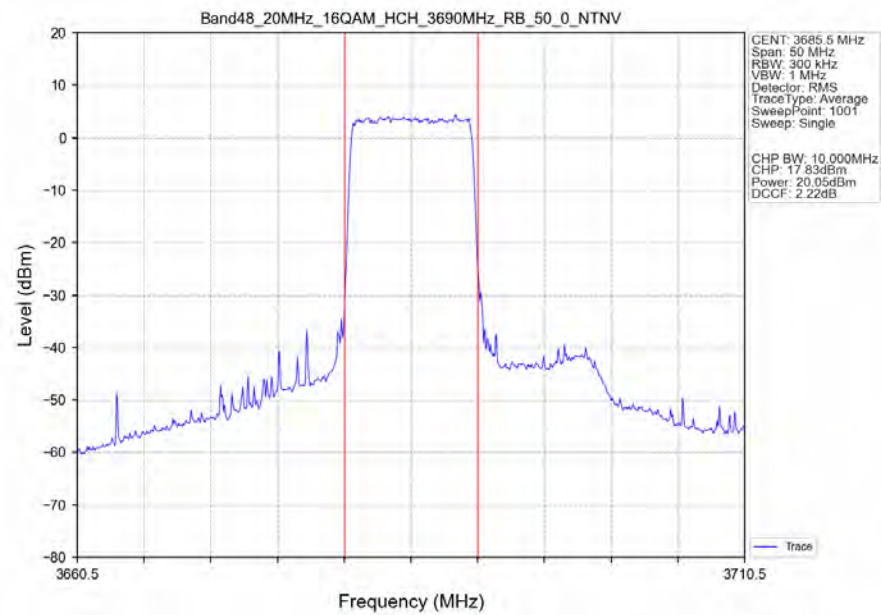
Band48 20MHz 16QAM HCH 3690MHz RB 1 50 NTNV



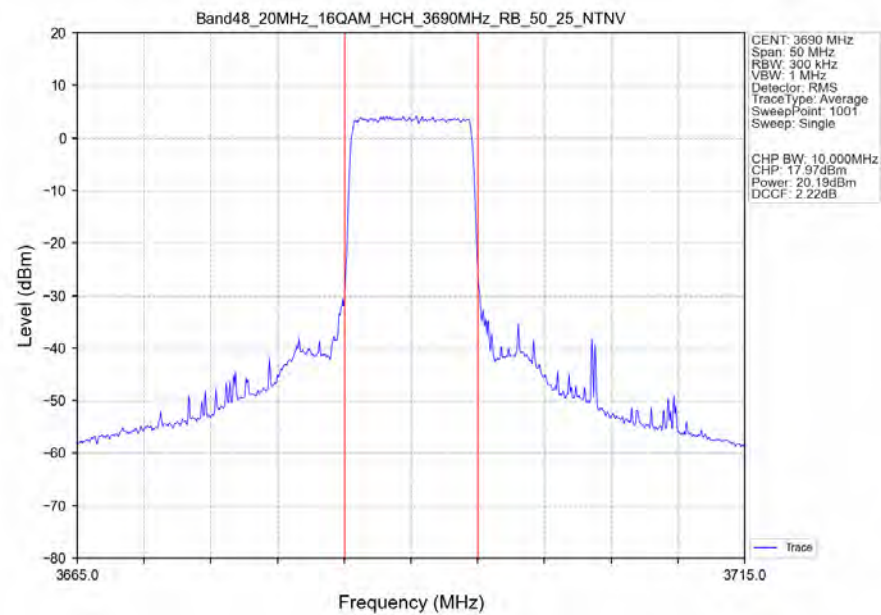
Band48 20MHz 16QAM HCH 3690MHz RB 1 99 NTNV



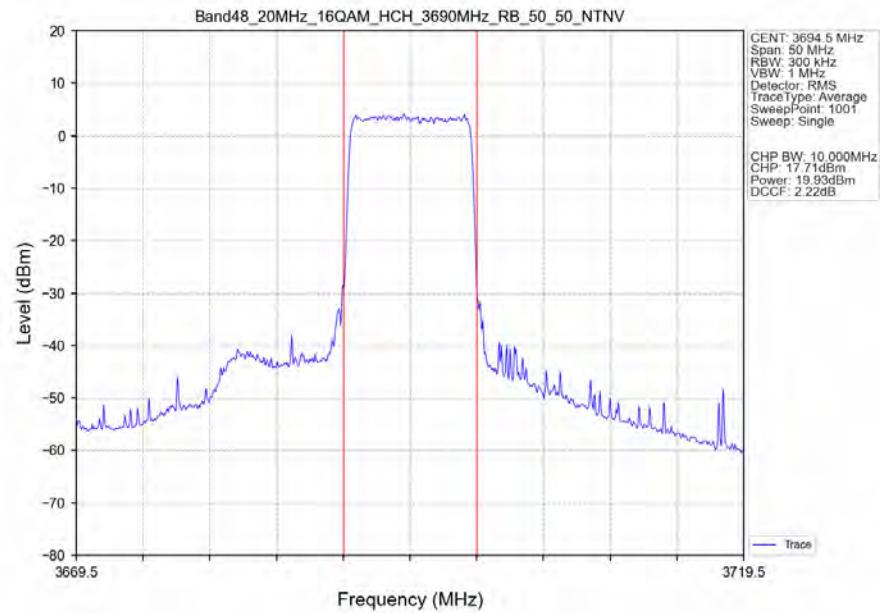
Band48 20MHz 16QAM HCH 3690MHz RB 50 0 NTNV



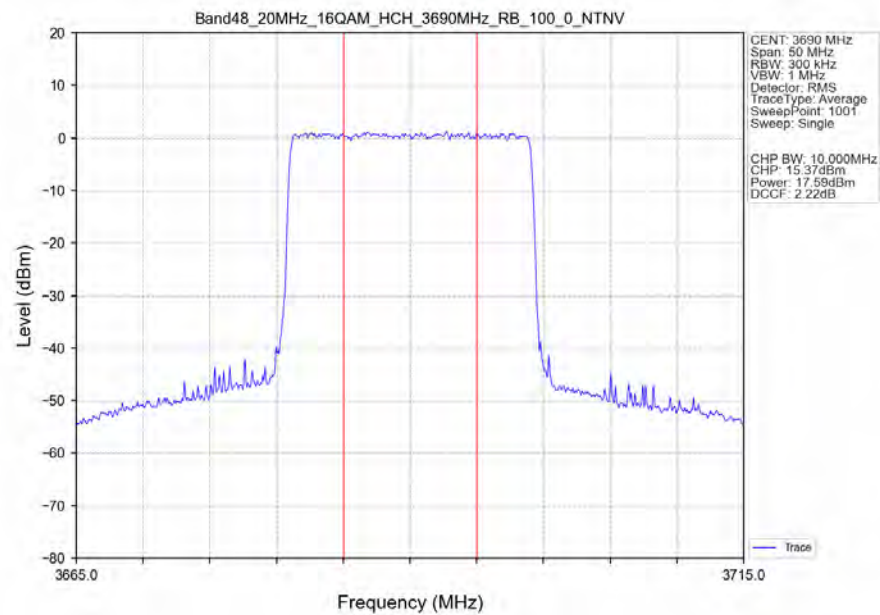
Band48 20MHz 16QAM HCH 3690MHz RB 50 25 NTNV



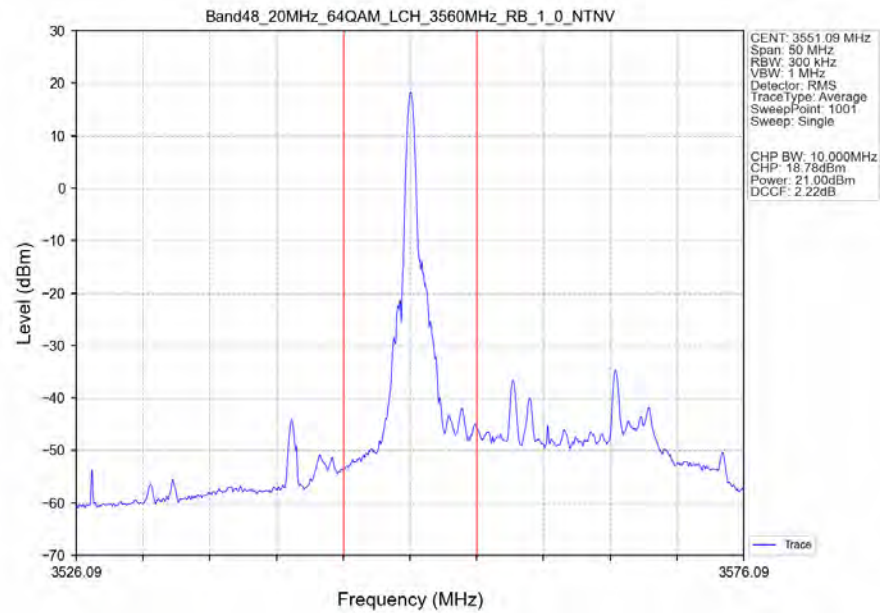
Band48 20MHz 16QAM HCH 3690MHz RB 50 50 NTN



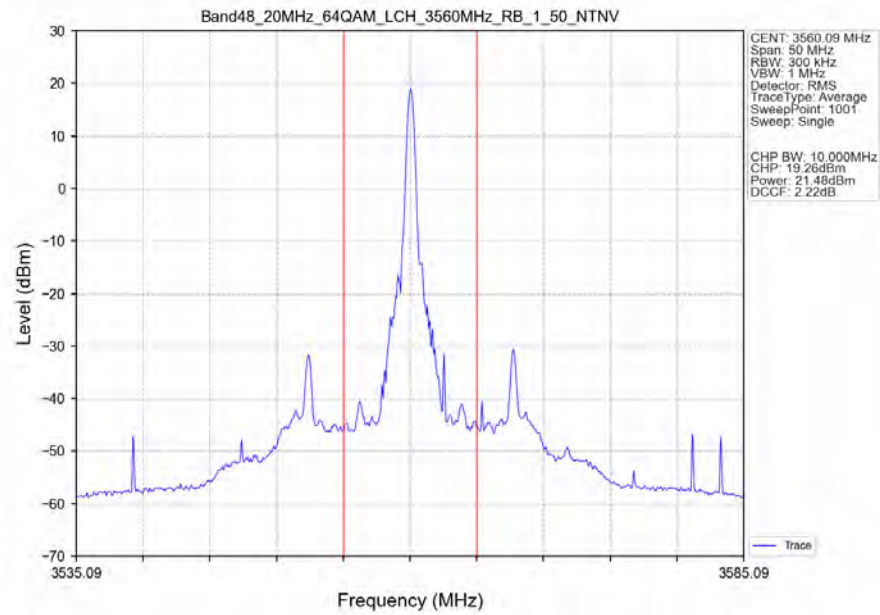
Band48 20MHz 16QAM HCH 3690MHz RB 100 0 NTN



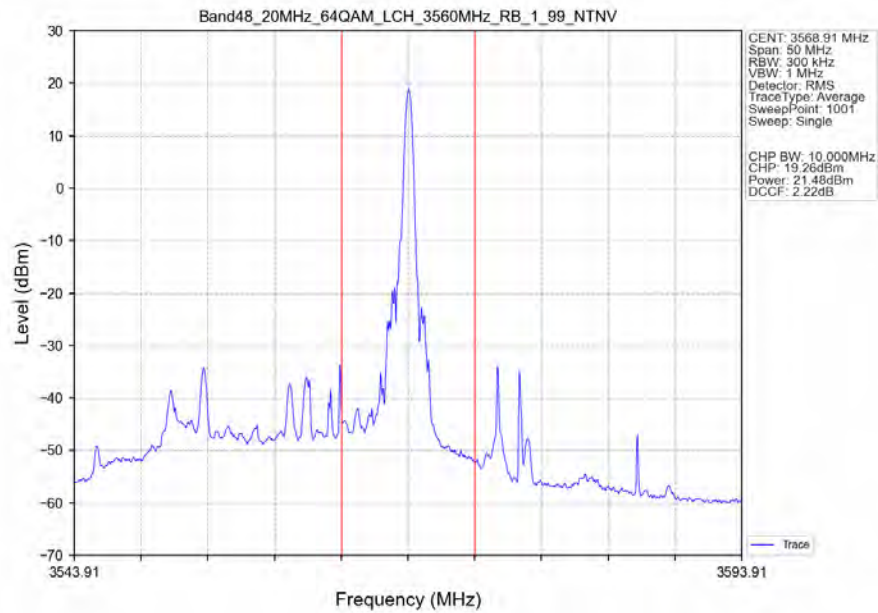
Band48_20MHz_64QAM_LCH_3560MHz_RB_1_0_NTNV



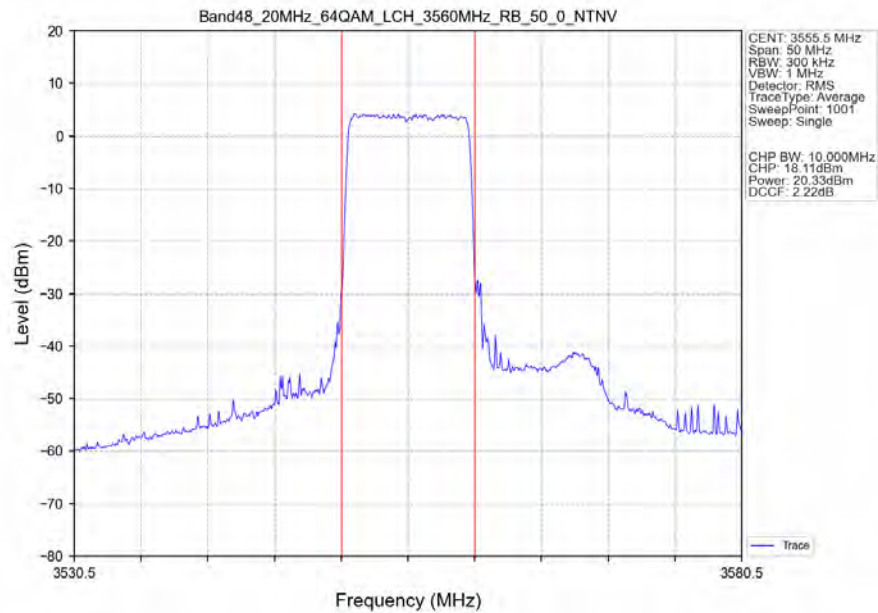
Band48_20MHz_64QAM_LCH_3560MHz_RB_1_50_NTNV



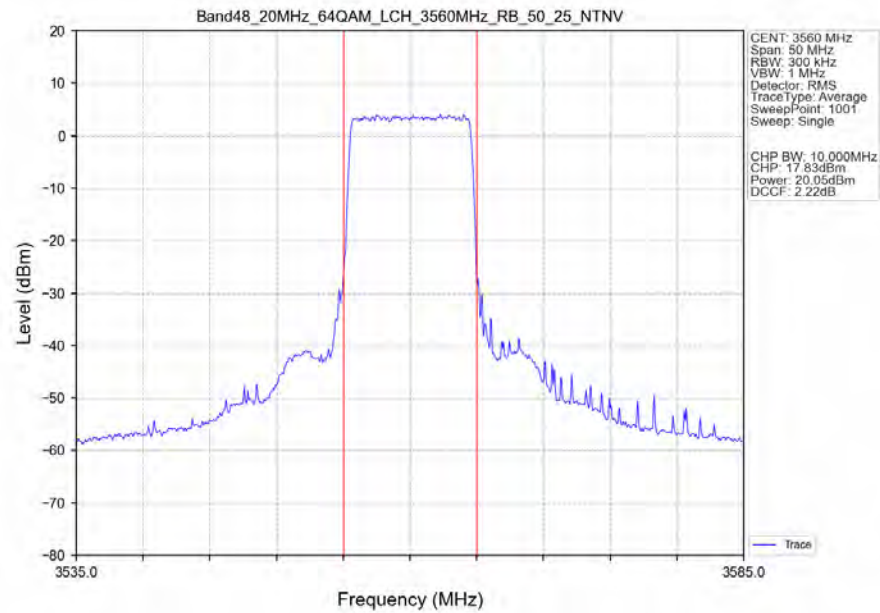
Band48 20MHz 64QAM LCH 3560MHz RB 1 99 NTNV



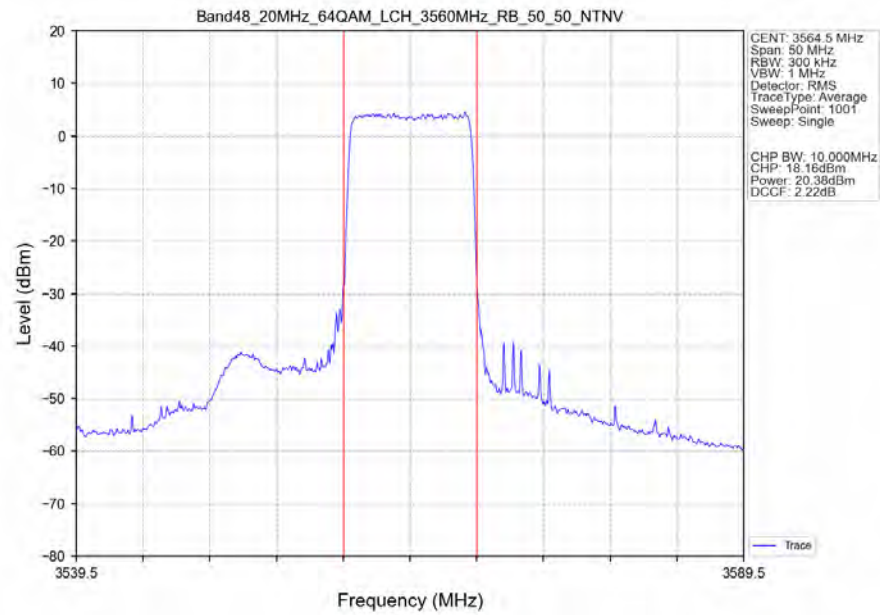
Band48 20MHz 64QAM LCH 3560MHz RB 50 0 NTNV



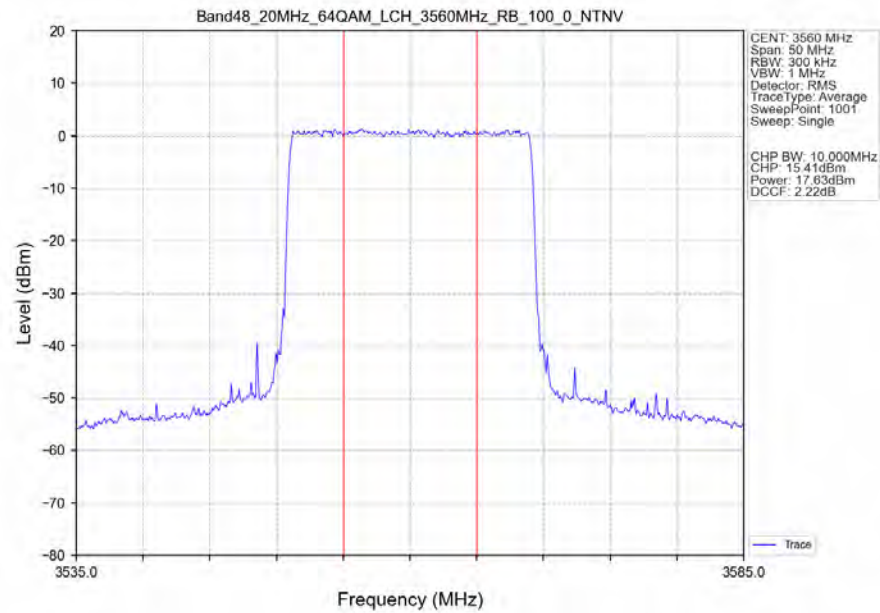
Band48 20MHz 64QAM LCH 3560MHz RB 50 25 NTV



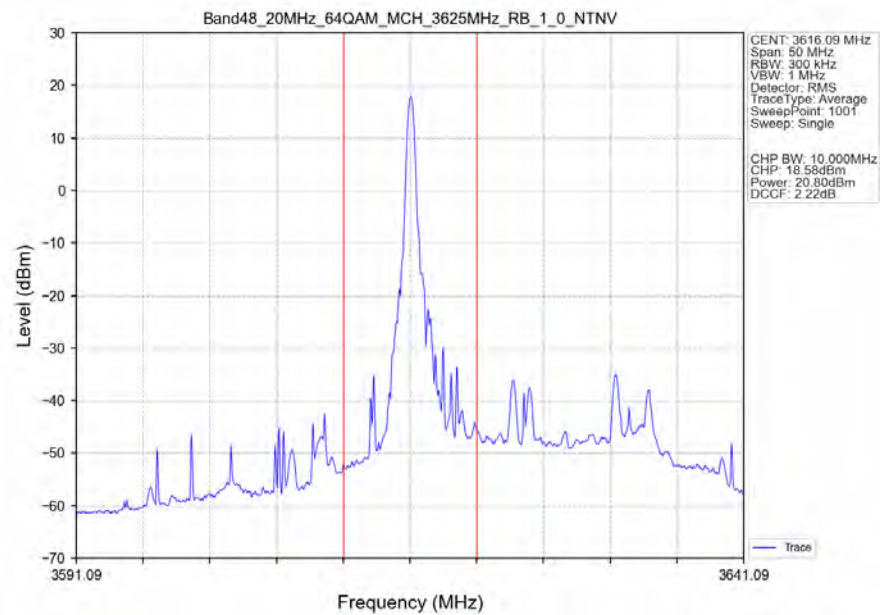
Band48 20MHz 64QAM LCH 3560MHz RB 50 50 NTV



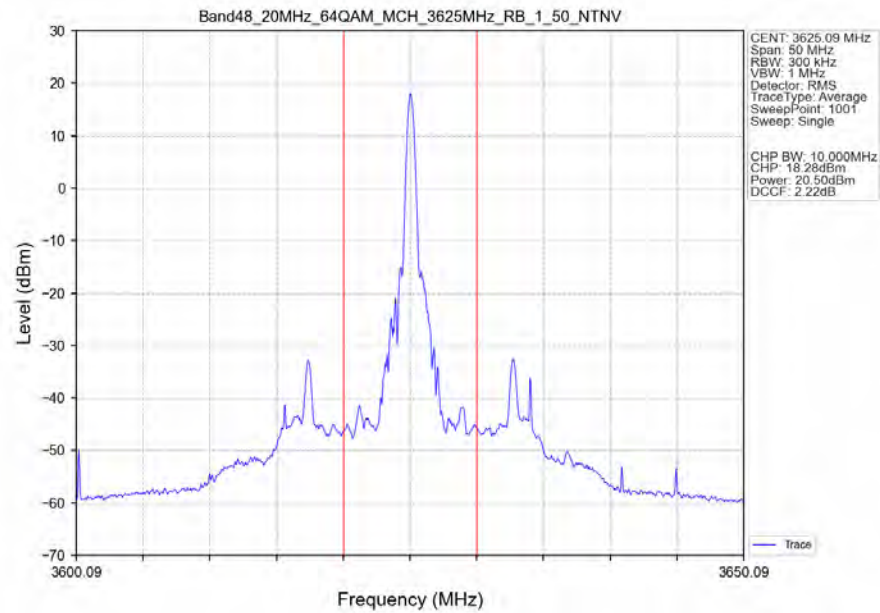
Band48 20MHz 64QAM LCH 3560MHz RB 100 0 NTV



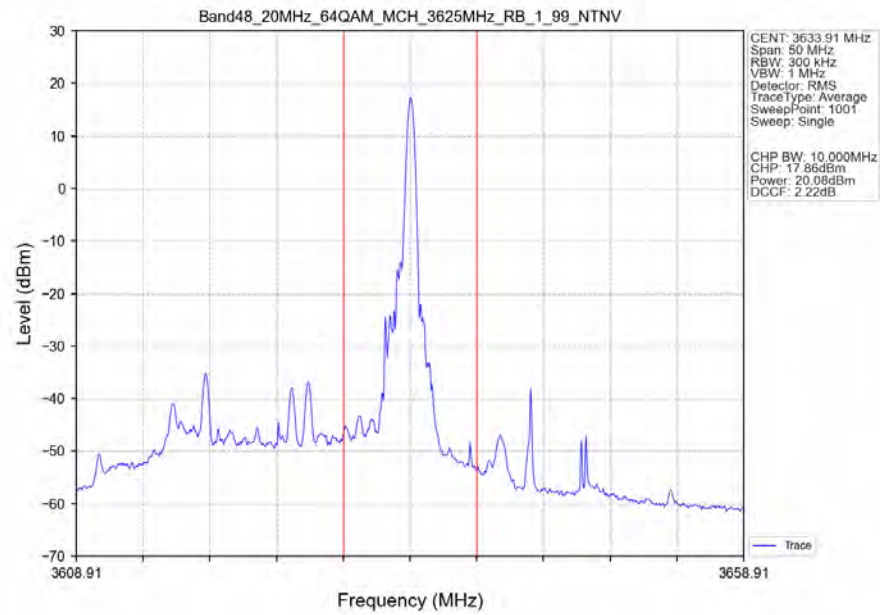
Band48 20MHz 64QAM MCH 3625MHz RB 1 0 NTV



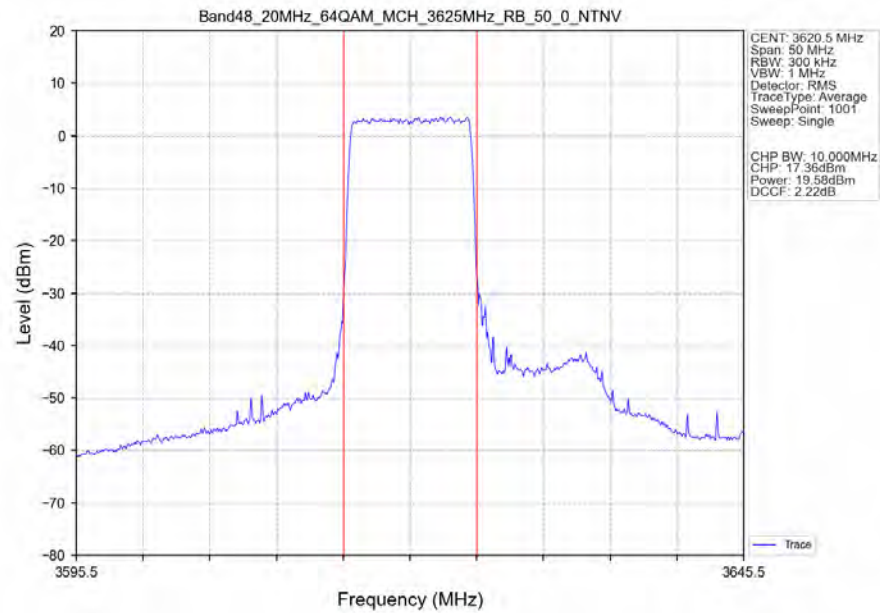
Band48 20MHz 64QAM MCH 3625MHz RB 1 50 NTNV



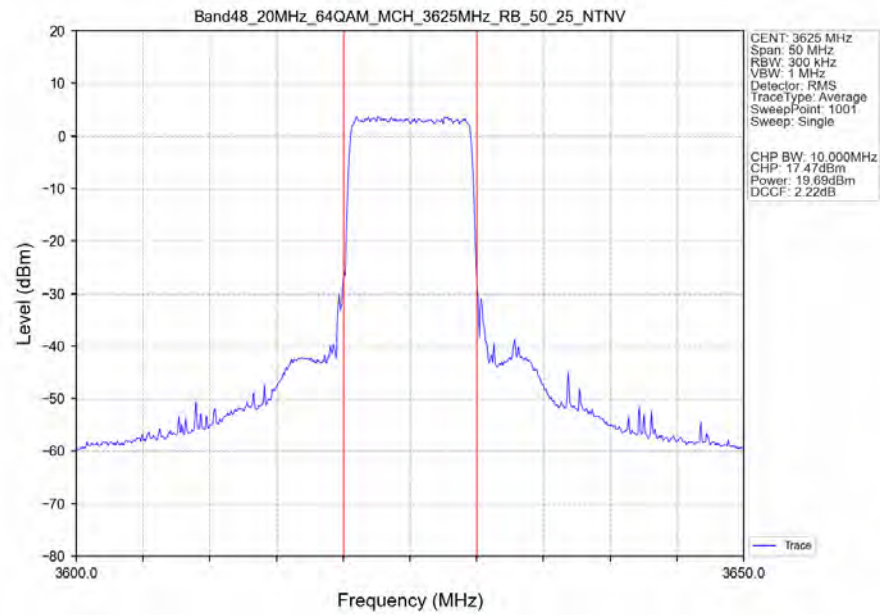
Band48 20MHz 64QAM MCH 3625MHz RB 1 99 NTNV



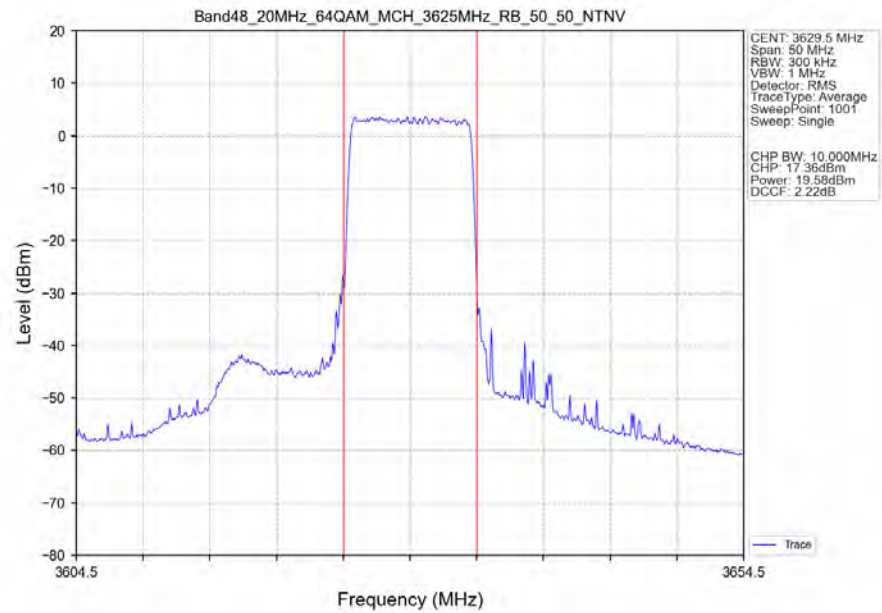
Band48 20MHz 64QAM MCH 3625MHz RB 50 0 NTNV



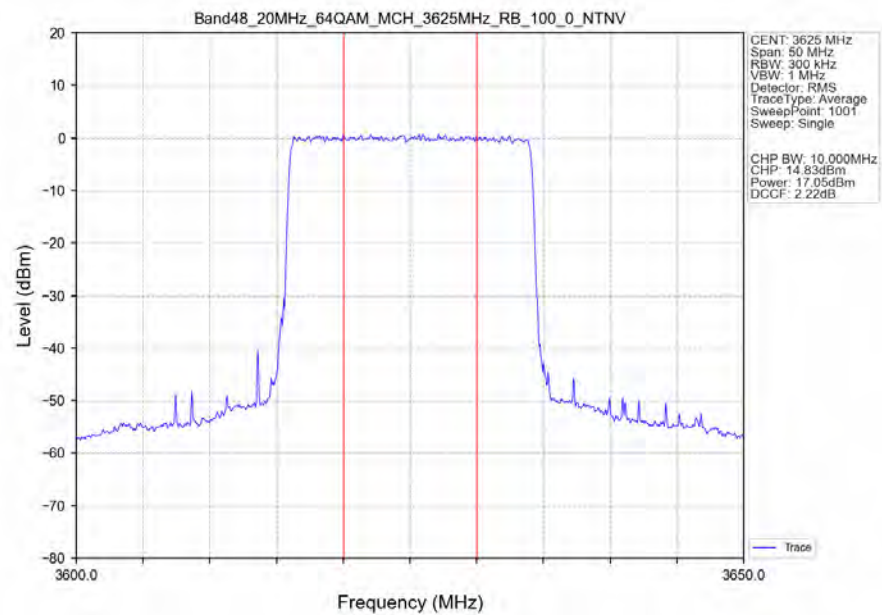
Band48 20MHz 64QAM MCH 3625MHz RB 50 25 NTNV



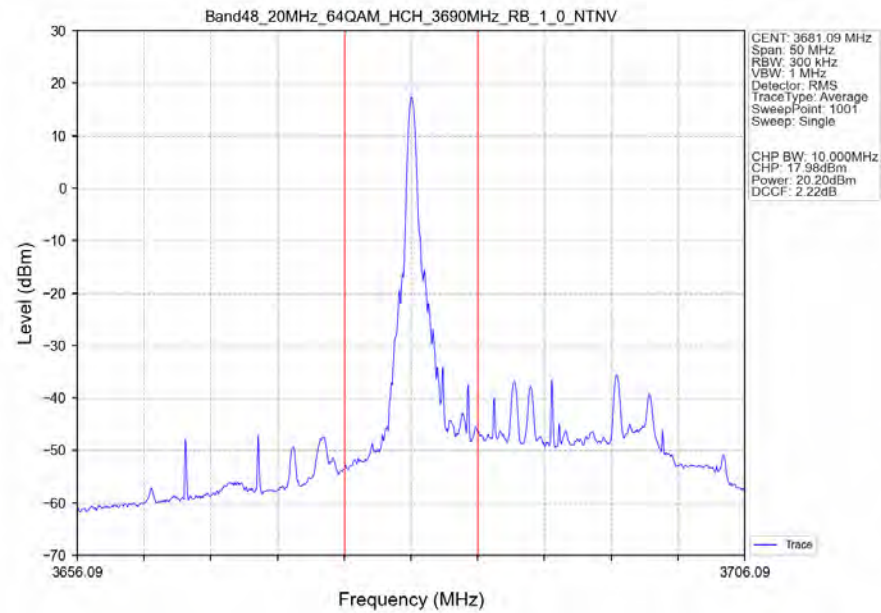
Band48 20MHz 64QAM MCH 3625MHz RB 50 50 NTN



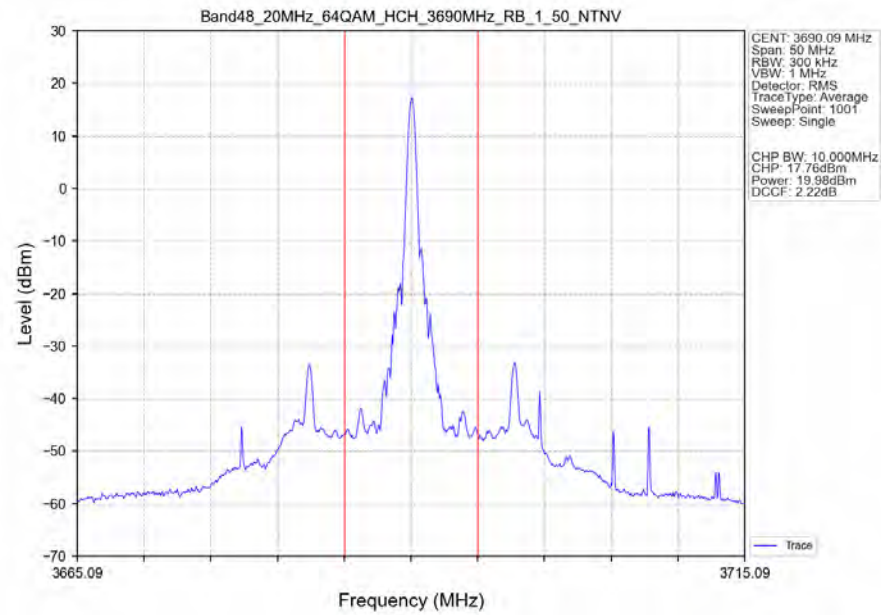
Band48 20MHz 64QAM MCH 3625MHz RB 100 0 NTN



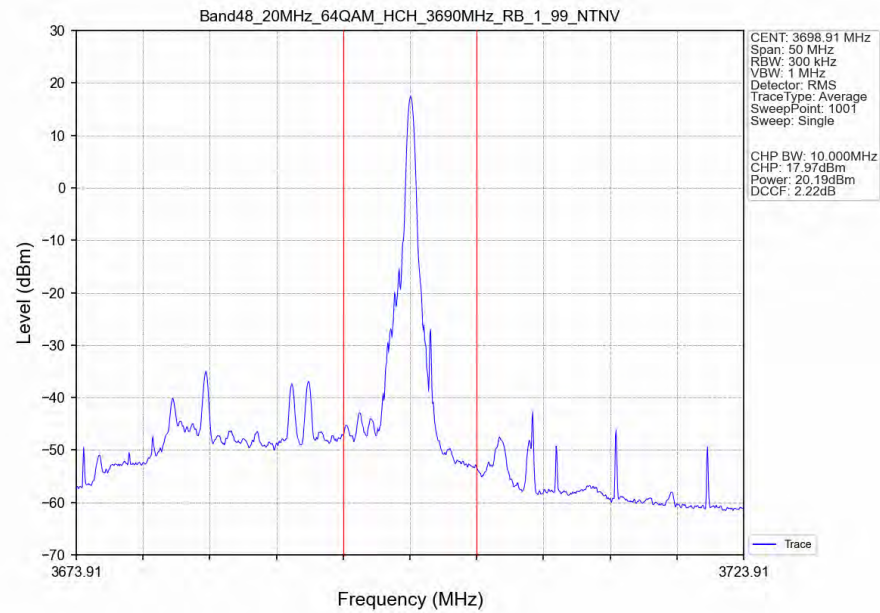
Band48_20MHz_64QAM_HCH_3690MHz_RB_1_0_NTNV



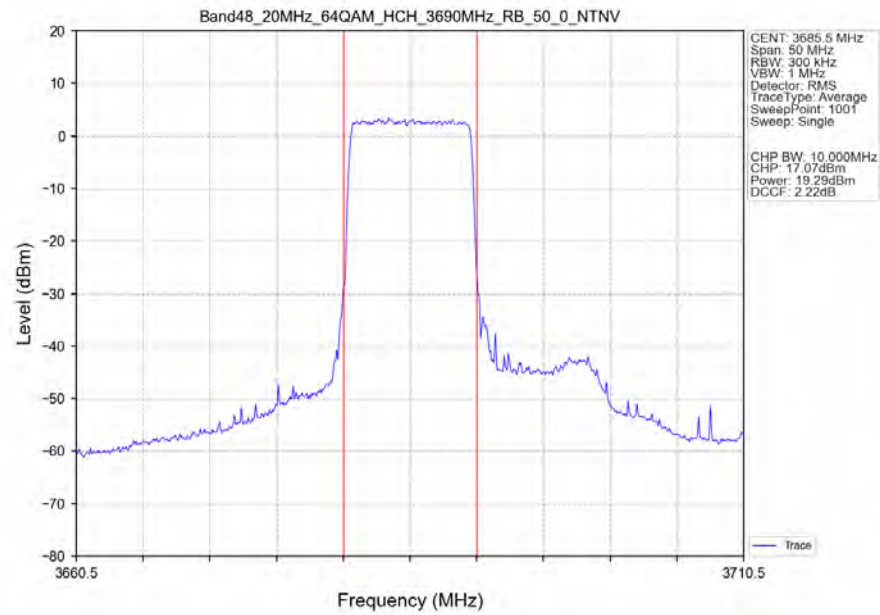
Band48_20MHz_64QAM_HCH_3690MHz_RB_1_50_NTNV



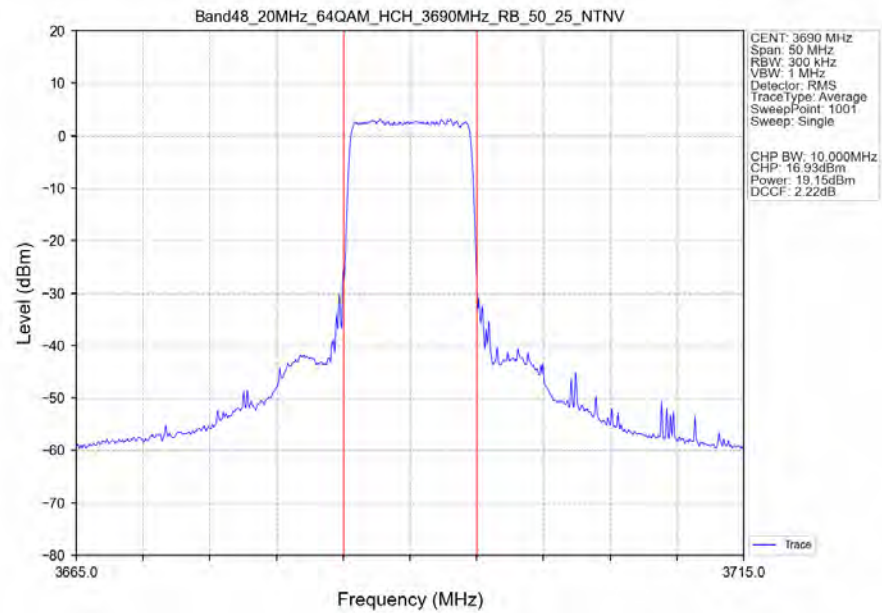
Band48 20MHz 64QAM HCH 3690MHz RB 1 99 NTNV



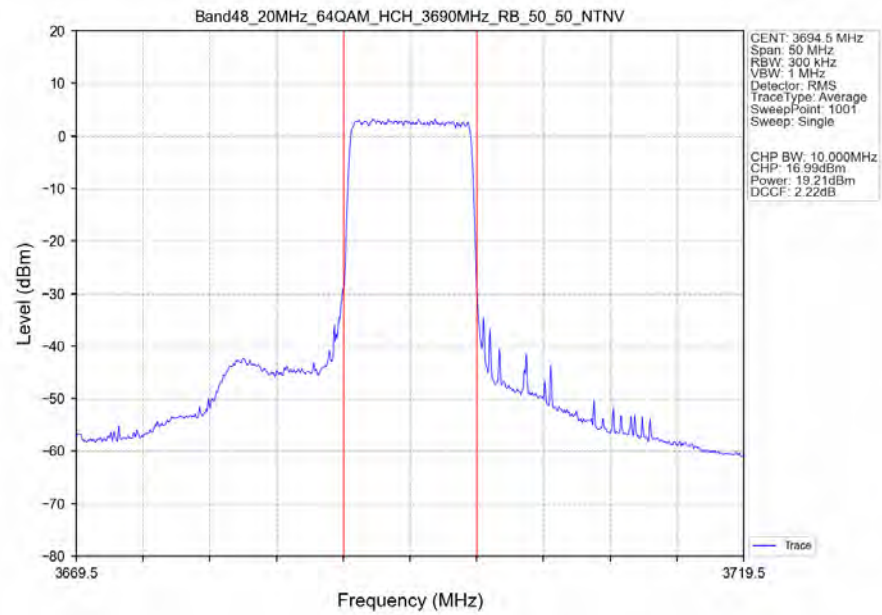
Band48 20MHz 64QAM HCH 3690MHz RB 50 0 NTNV



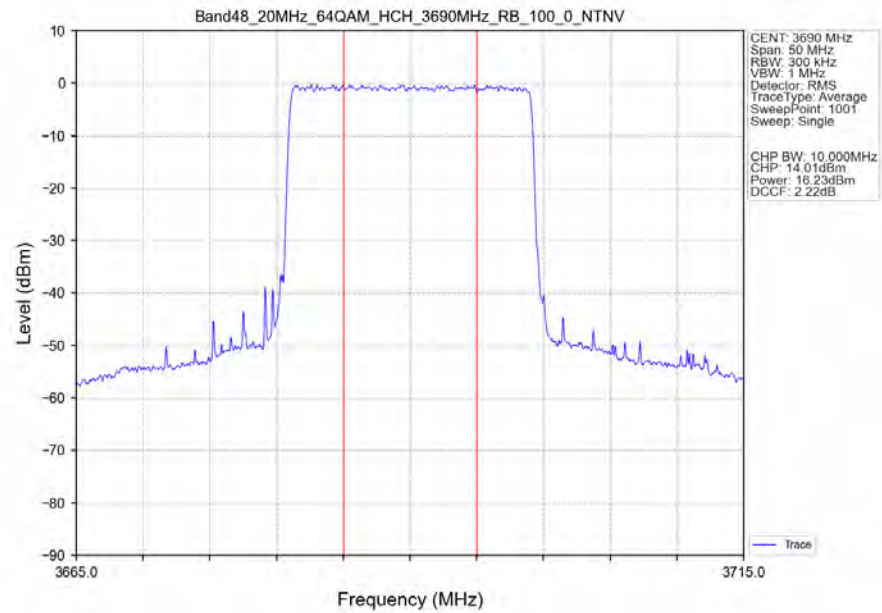
Band48 20MHz 64QAM HCH 3690MHz RB 50 25 NTV



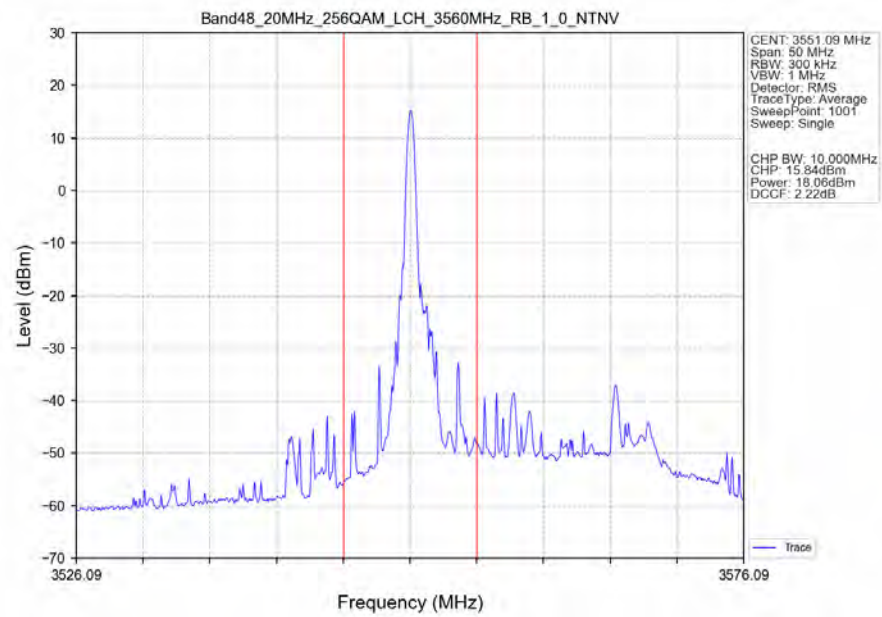
Band48 20MHz 64QAM HCH 3690MHz RB 50 50 NTV



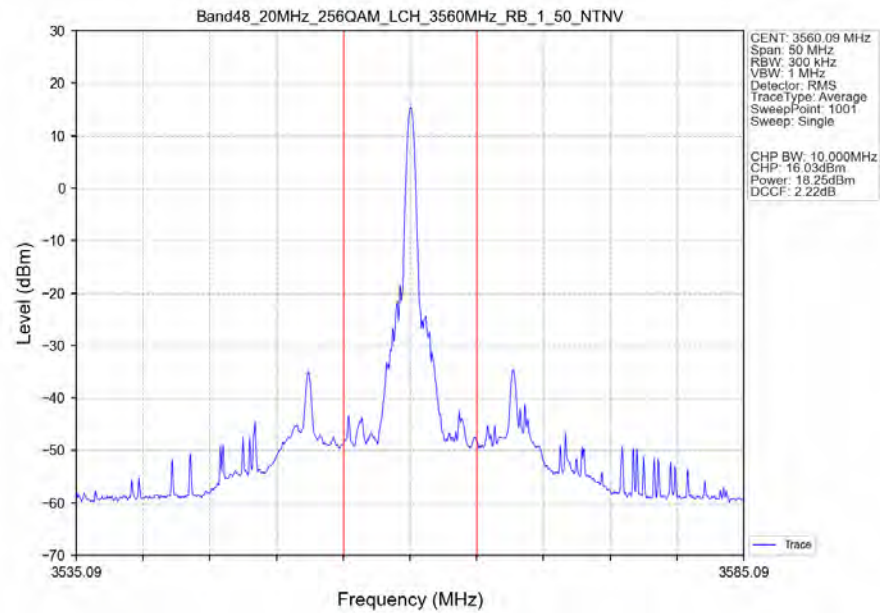
Band48 20MHz 64QAM HCH 3690MHz RB 100 0 NTV



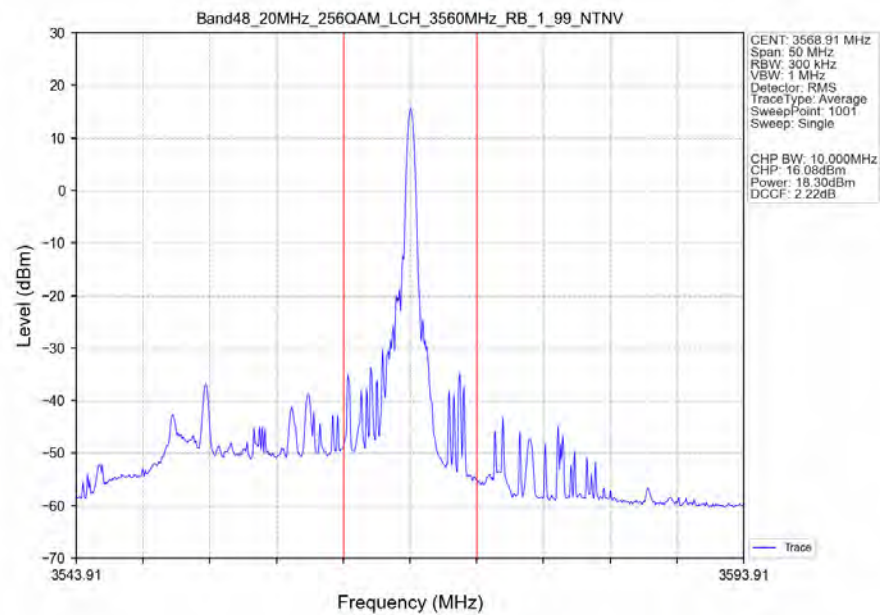
Band48 20MHz 256QAM LCH 3560MHz RB 1 0 NTV



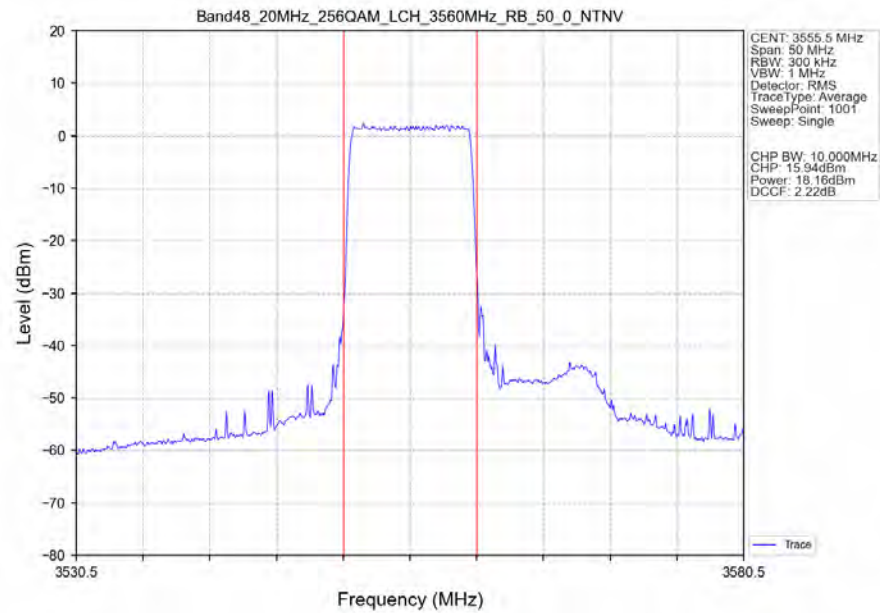
Band48 20MHz 256QAM LCH 3560MHz RB 1 50 NTV



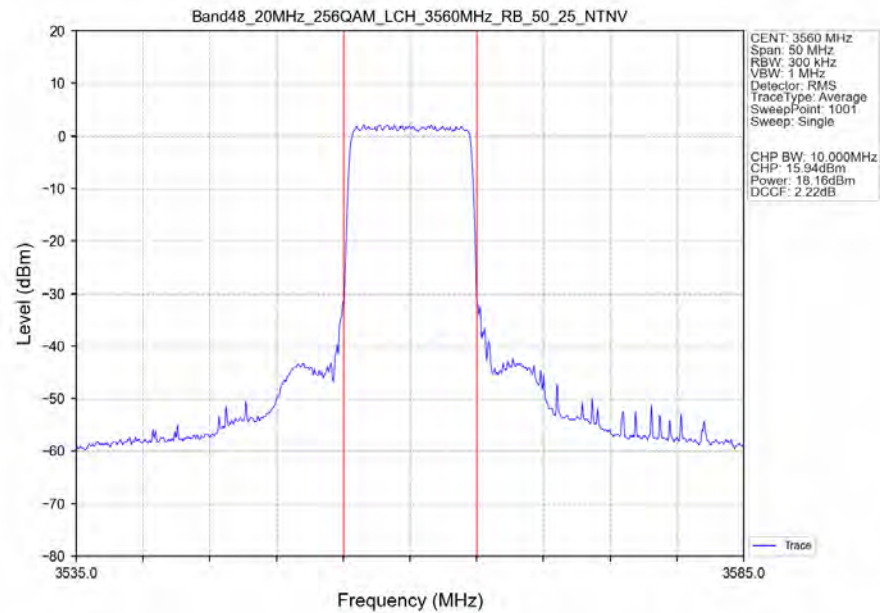
Band48 20MHz 256QAM LCH 3560MHz RB 1 99 NTV



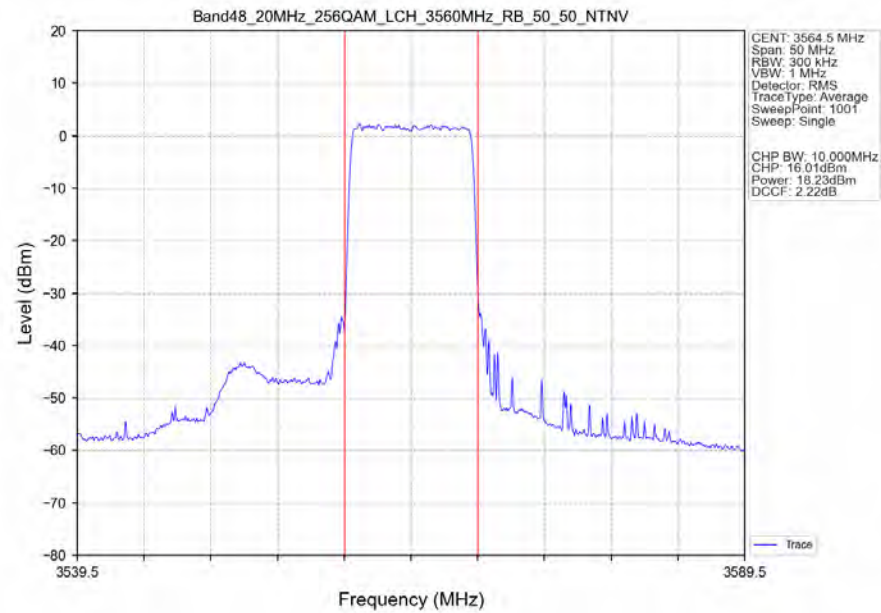
Band48 20MHz 256QAM LCH 3560MHz RB 50 0 NTNV



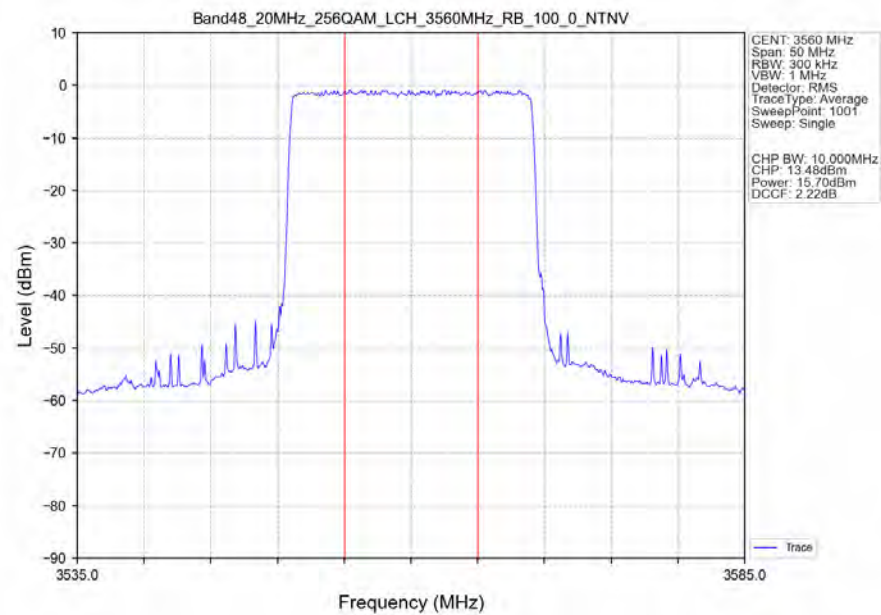
Band48 20MHz 256QAM LCH 3560MHz RB 50 25 NTNV



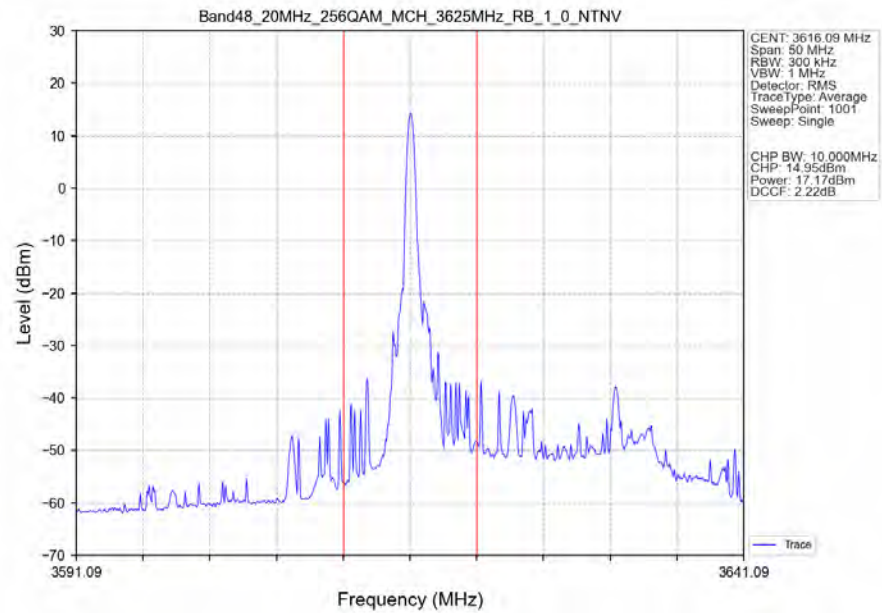
Band48_20MHz_256QAM_LCH_3560MHz_RB_50_50_NTNV



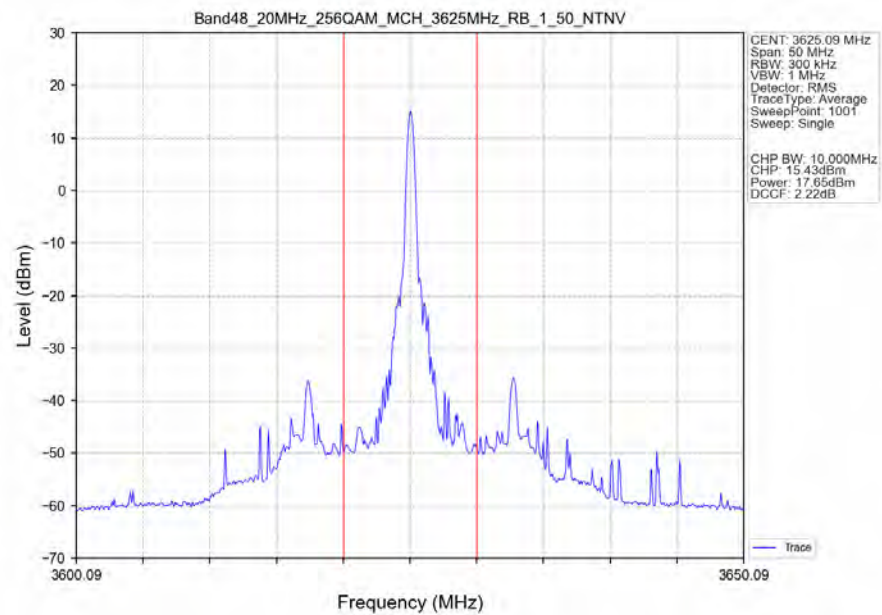
Band48_20MHz_256QAM_LCH_3560MHz_RB_100_0_NTNV



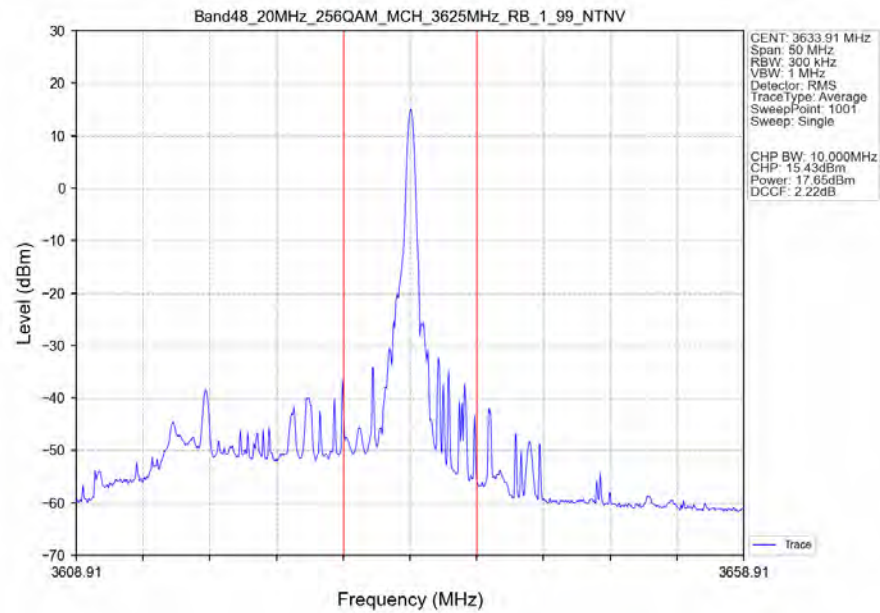
Band48 20MHz 256QAM MCH 3625MHz RB 1 0 NTN



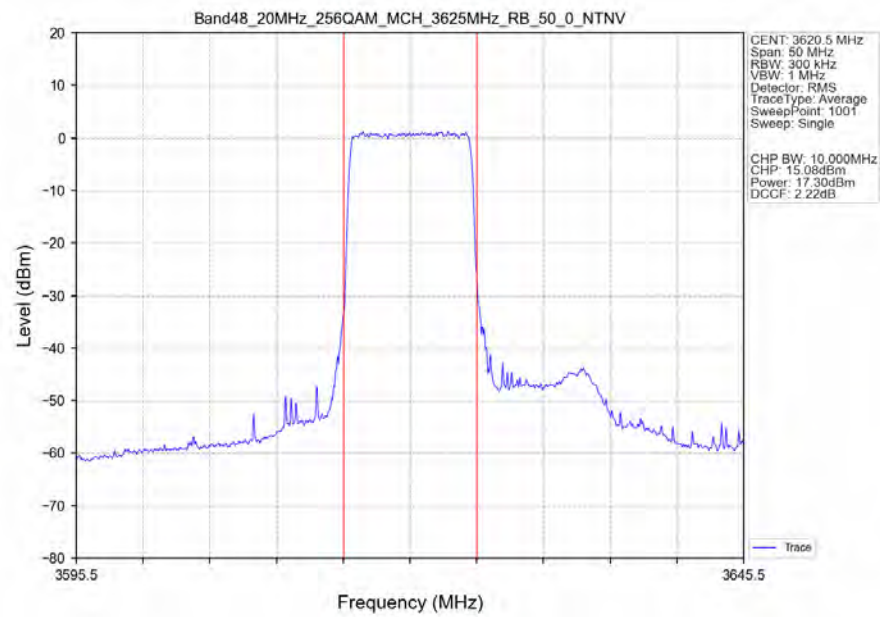
Band48 20MHz 256QAM MCH 3625MHz RB 1 50 NTN



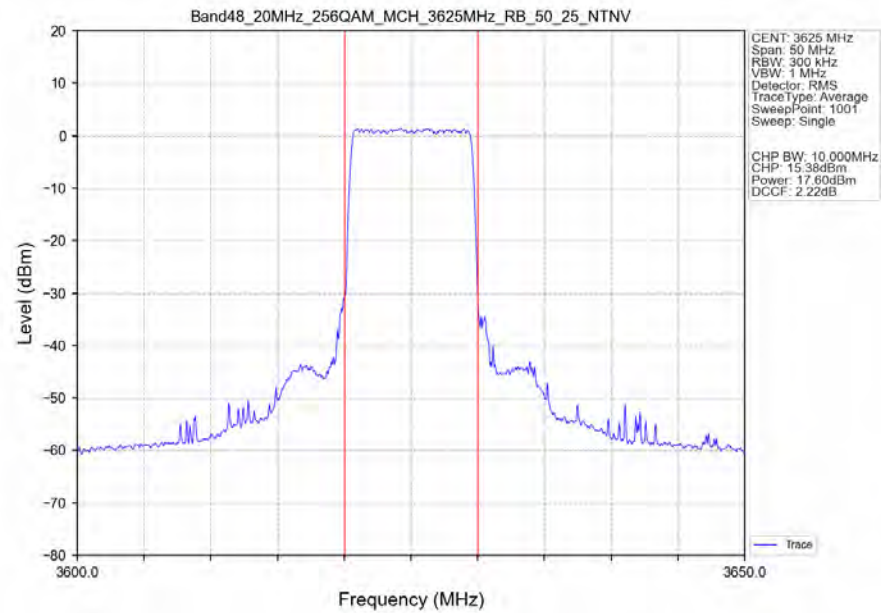
Band48_20MHz_256QAM_MCH_3625MHz_RB_1_99_NTNV



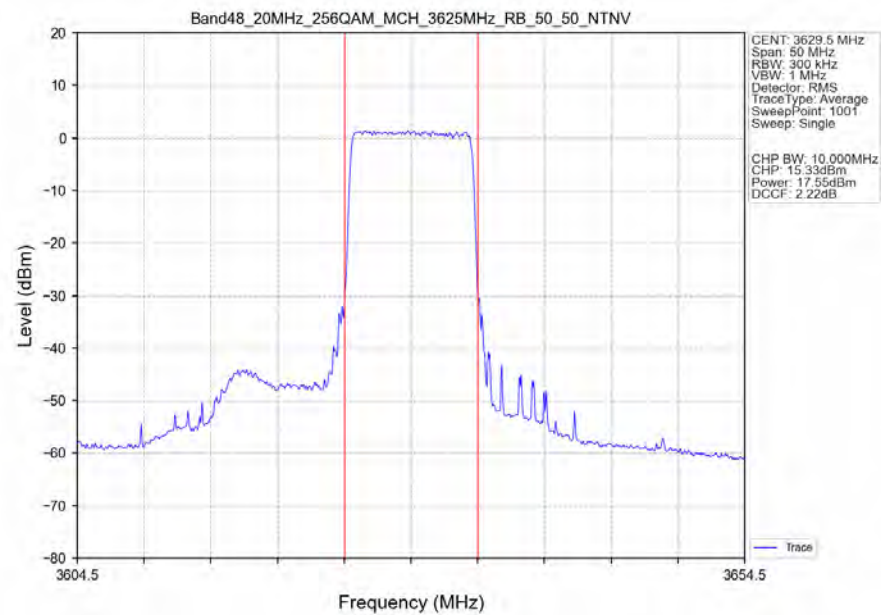
Band48_20MHz_256QAM_MCH_3625MHz_RB_50_0_NTNV



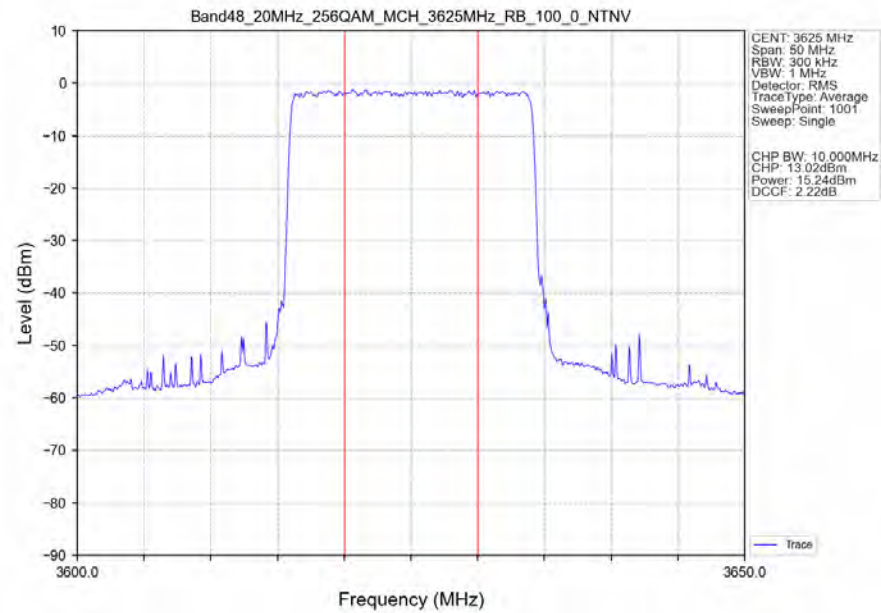
Band48 20MHz 256QAM MCH 3625MHz RB 50 25 NTN



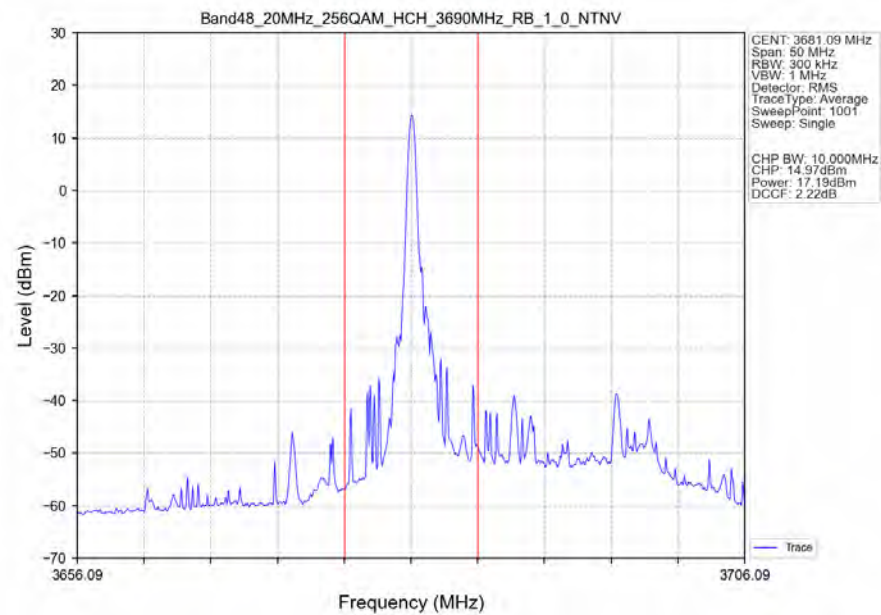
Band48 20MHz 256QAM MCH 3625MHz RB 50 50 NTN



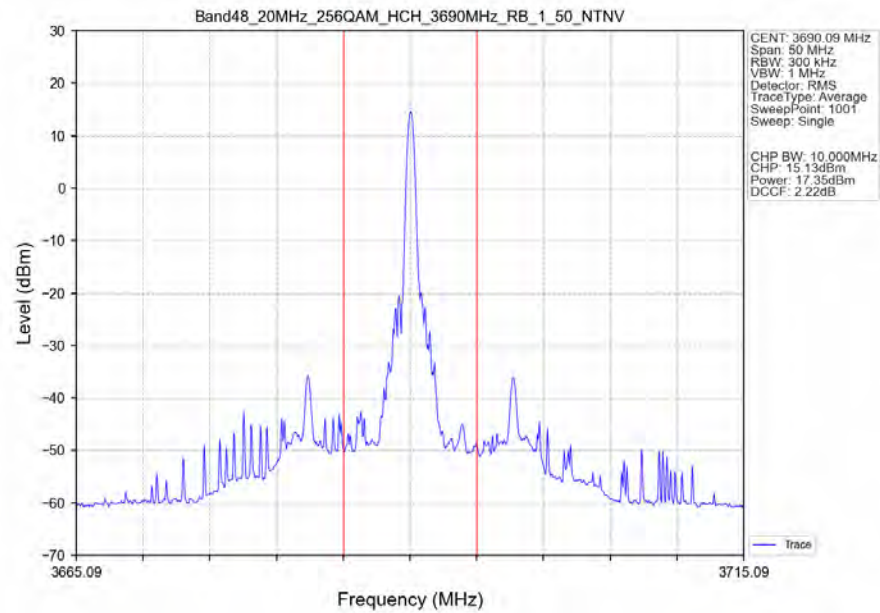
Band48 20MHz 256QAM MCH 3625MHz RB 100 0 NTV



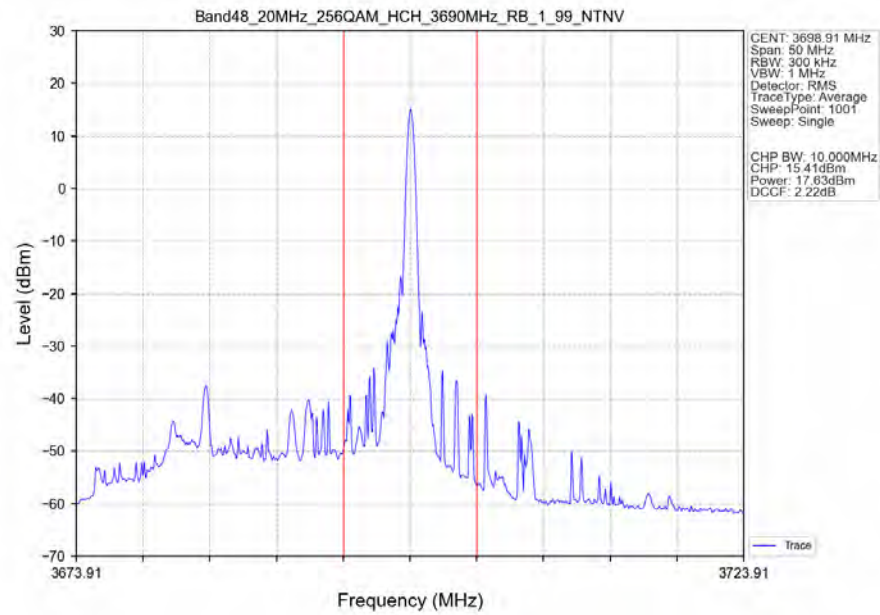
Band48 20MHz 256QAM HCH 3690MHz RB 1 0 NTV



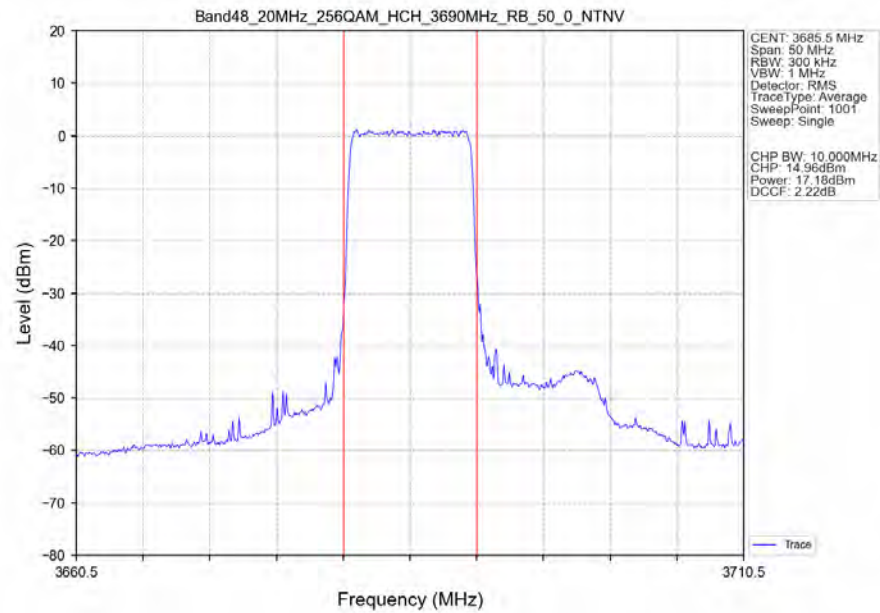
Band48 20MHz 256QAM HCH 3690MHz RB 1 50 NTV



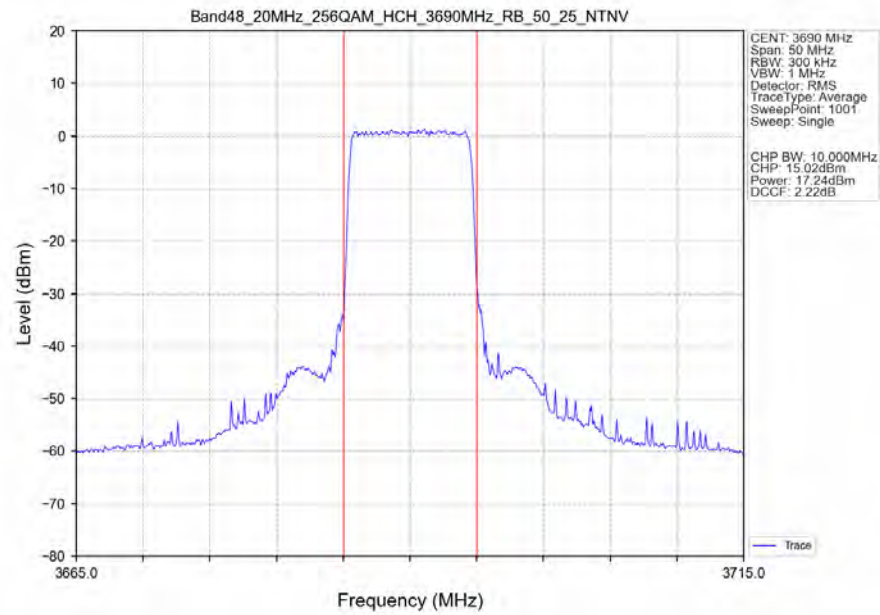
Band48 20MHz 256QAM HCH 3690MHz RB 1 99 NTV



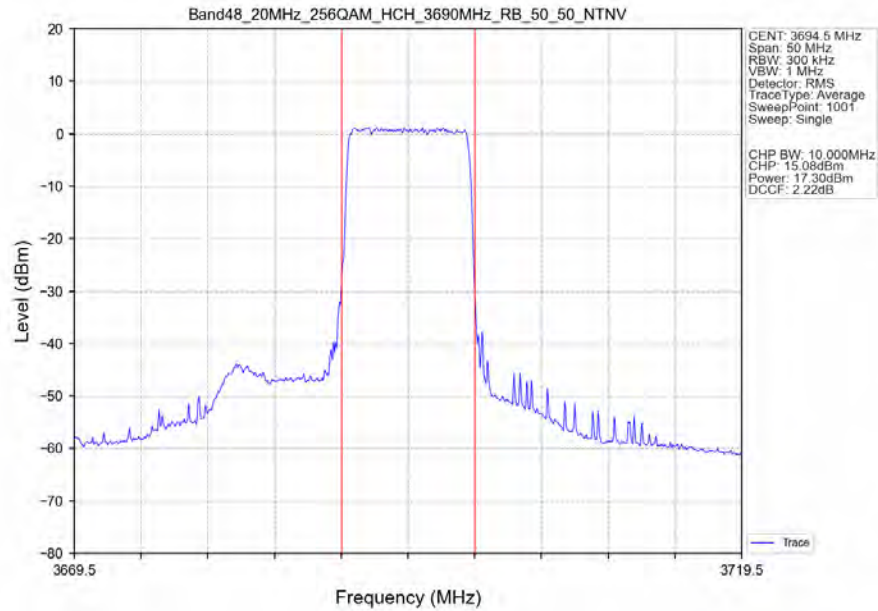
Band48_20MHz_256QAM_HCH_3690MHz_RB_50_0_NTNV



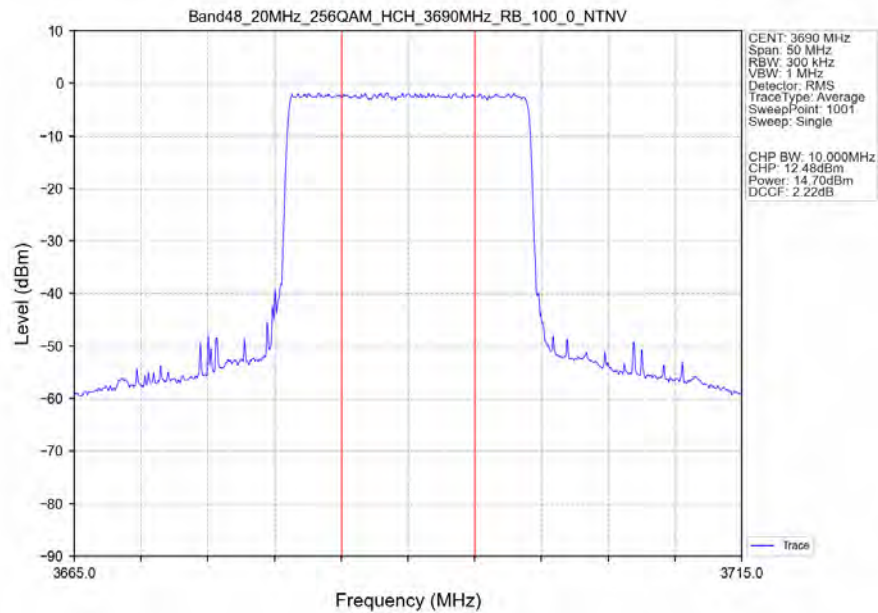
Band48_20MHz_256QAM_HCH_3690MHz_RB_50_25_NTNV



Band48 20MHz 256QAM HCH 3690MHz RB 50 50 NTN



Band48 20MHz 256QAM HCH 3690MHz RB 100 0 NTN



2. Frequency Stability

2.1 Test Result

2.1.1 B48_10MHz

Band: 48 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3625	50	0	20	LV	-2.600	-0.0007	-2.5 to 2.5	Pass
					NV	-22.500	-0.0062	-2.5 to 2.5	Pass
					HV	9.100	0.0025	-2.5 to 2.5	Pass
				-30	NV	-11.400	-0.0031	-2.5 to 2.5	Pass
				-20	NV	0.900	0.0002	-2.5 to 2.5	Pass
				-10	NV	-4.300	-0.0012	-2.5 to 2.5	Pass
				0	NV	-14.500	-0.0040	-2.5 to 2.5	Pass
				10	NV	-12.300	-0.0034	-2.5 to 2.5	Pass
				30	NV	7.700	0.0021	-2.5 to 2.5	Pass
				40	NV	3.700	0.0010	-2.5 to 2.5	Pass
				50	NV	-1.200	-0.0003	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band48_OBW

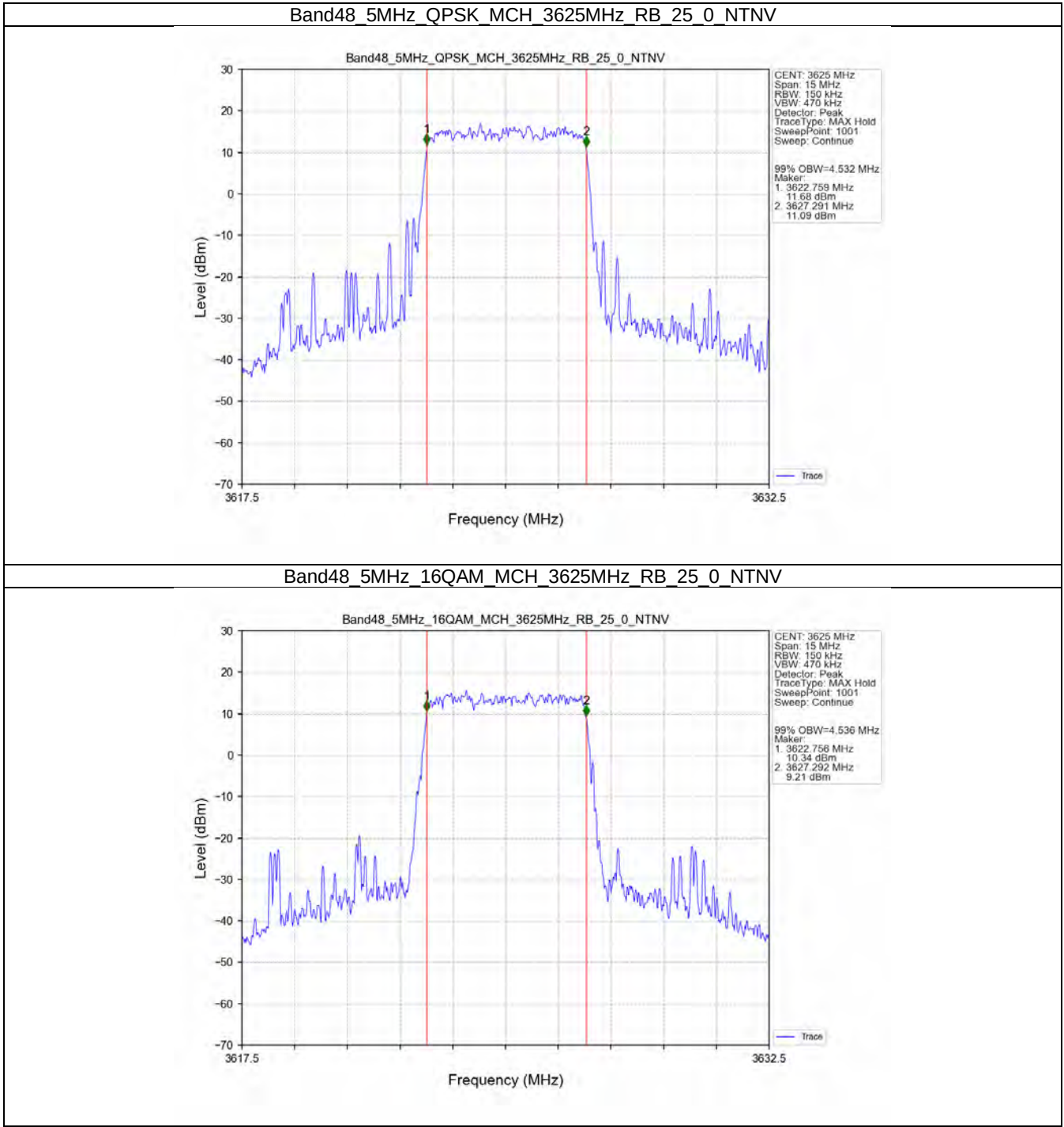
Band: 48 / NTVN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3625	25	0	4.532	/	Pass
	16QAM	3625	25	0	4.536	/	Pass
	64QAM	3625	25	0	4.527	/	Pass
	256QAM	3625	25	0	4.525	/	Pass
10	QPSK	3625	50	0	9.054	/	Pass
	16QAM	3625	50	0	9.010	/	Pass
	64QAM	3625	50	0	9.026	/	Pass
	256QAM	3625	50	0	9.003	/	Pass
15	QPSK	3625	75	0	13.557	/	Pass
	16QAM	3625	75	0	13.530	/	Pass
	64QAM	3625	75	0	13.553	/	Pass
	256QAM	3625	75	0	13.554	/	Pass
20	QPSK	3625	100	0	18.022	/	Pass
	16QAM	3625	100	0	18.063	/	Pass
	64QAM	3625	100	0	18.070	/	Pass
	256QAM	3625	100	0	18.055	/	Pass

3.1.2 Band48_XDB

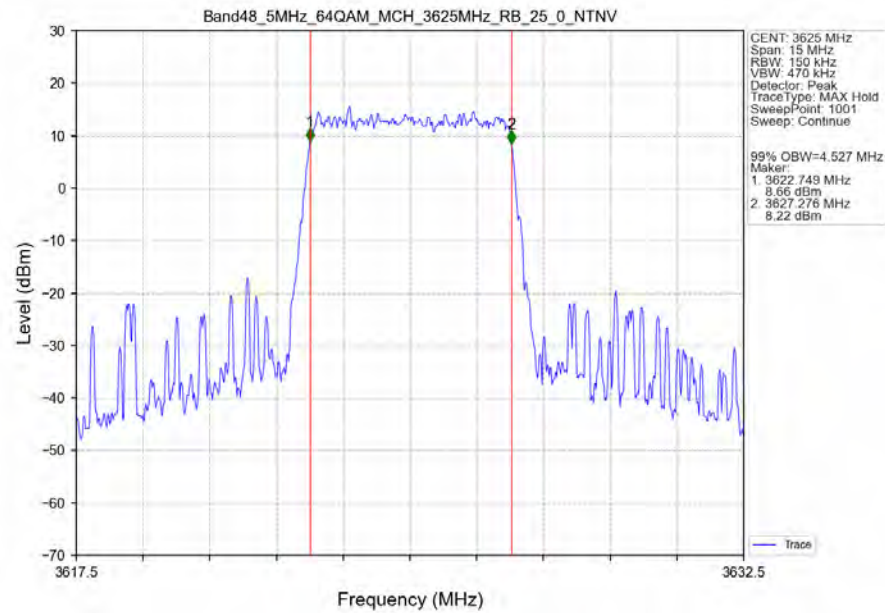
Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3625	25	0	5.306	/	Pass
	16QAM	3625	25	0	5.066	/	Pass
	64QAM	3625	25	0	5.027	/	Pass
	256QAM	3625	25	0	5.694	/	Pass
10	QPSK	3625	50	0	10.702	/	Pass
	16QAM	3625	50	0	10.078	/	Pass
	64QAM	3625	50	0	10.309	/	Pass
	256QAM	3625	50	0	9.896	/	Pass
15	QPSK	3625	75	0	15.451	/	Pass
	16QAM	3625	75	0	14.850	/	Pass
	64QAM	3625	75	0	16.518	/	Pass
	256QAM	3625	75	0	14.805	/	Pass
20	QPSK	3625	100	0	21.237	/	Pass
	16QAM	3625	100	0	19.663	/	Pass
	64QAM	3625	100	0	19.392	/	Pass
	256QAM	3625	100	0	19.408	/	Pass

3.2 Test Graph

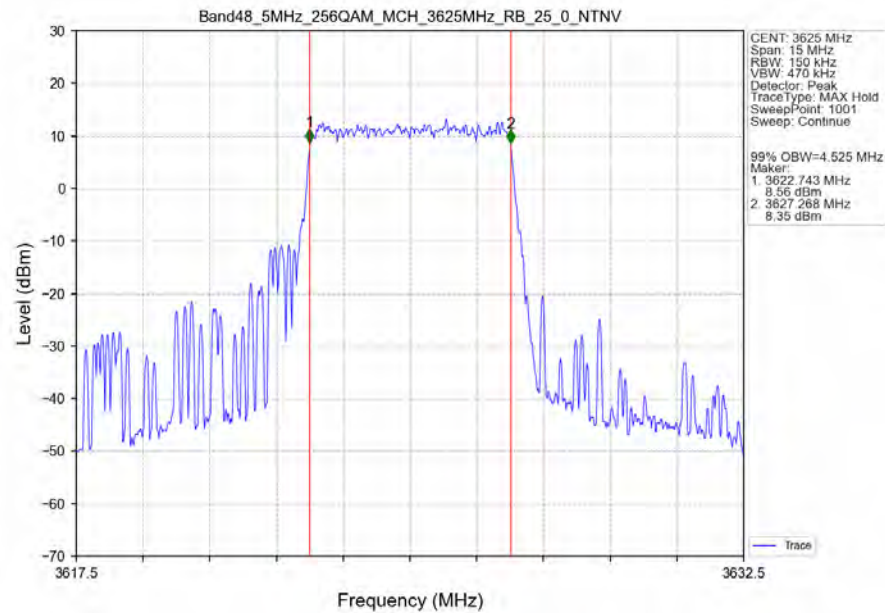
3.2.1 Band48_OBW



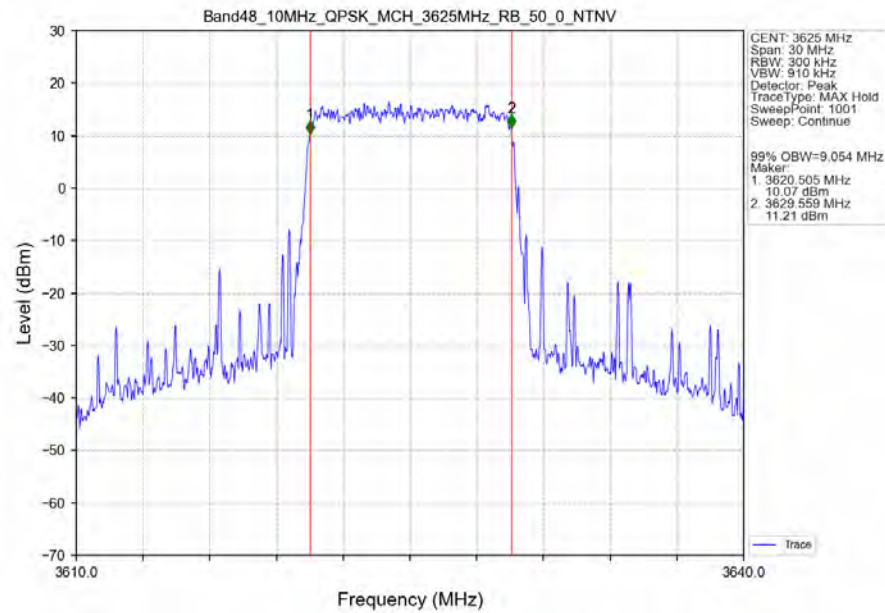
Band48 5MHz 64QAM MCH 3625MHz RB 25 0 NTNV



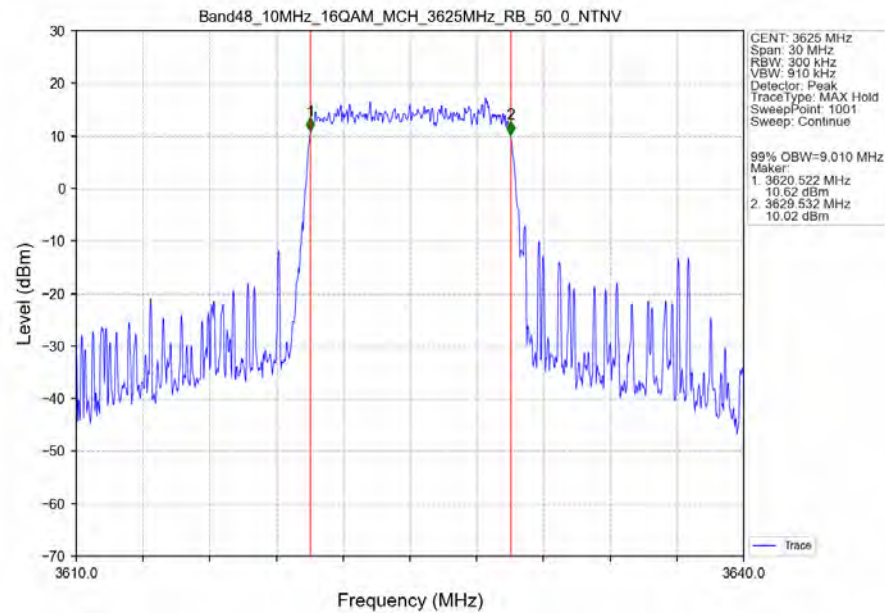
Band48 5MHz 256QAM MCH 3625MHz RB 25 0 NTNV



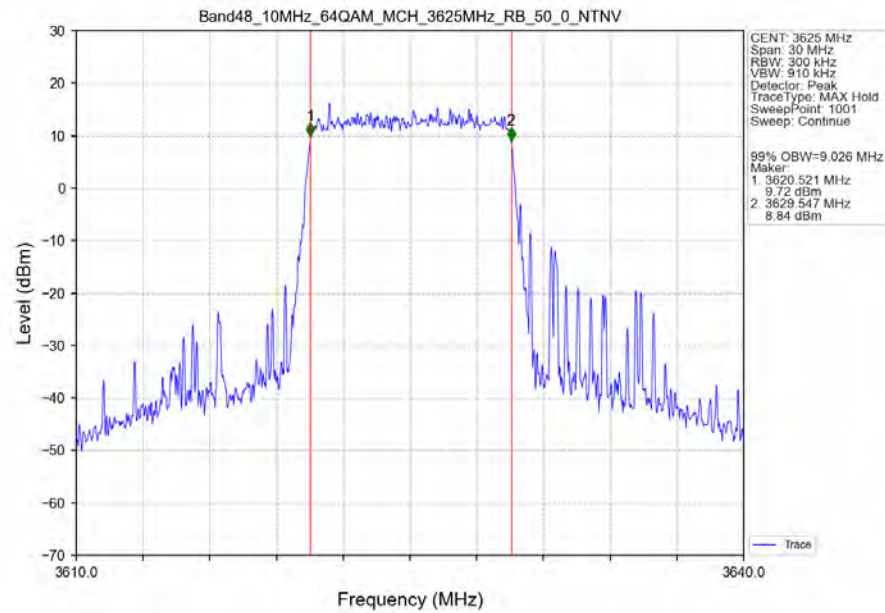
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



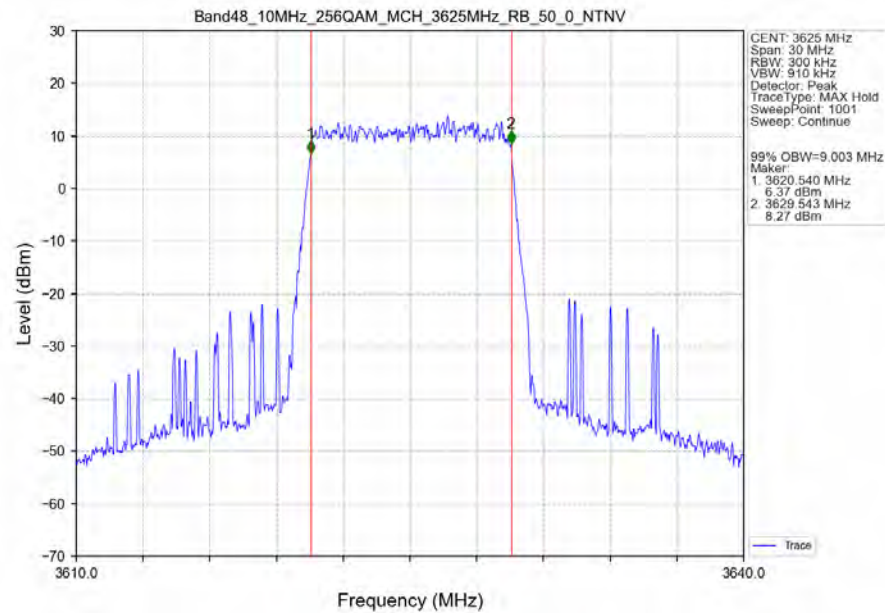
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



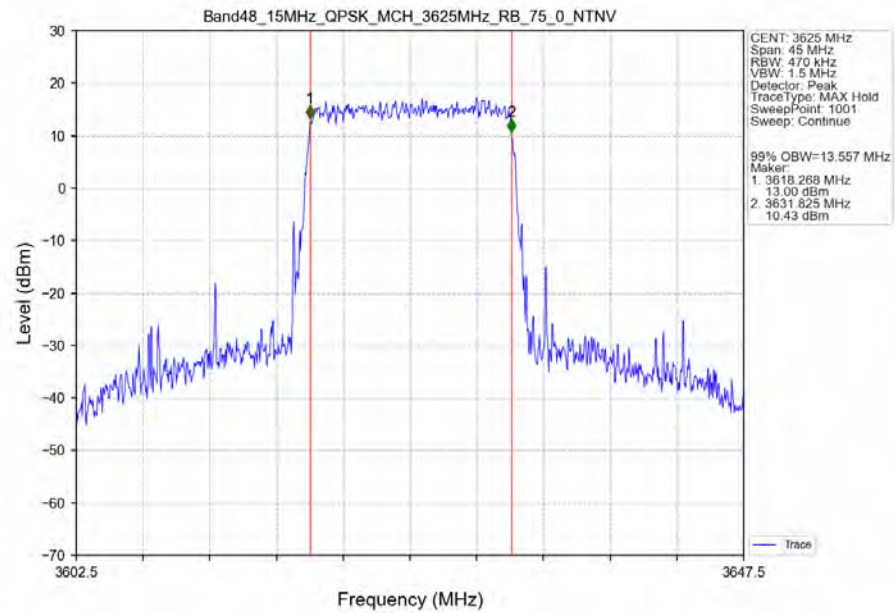
Band48 10MHz 64QAM MCH 3625MHz RB 50 0 NTN



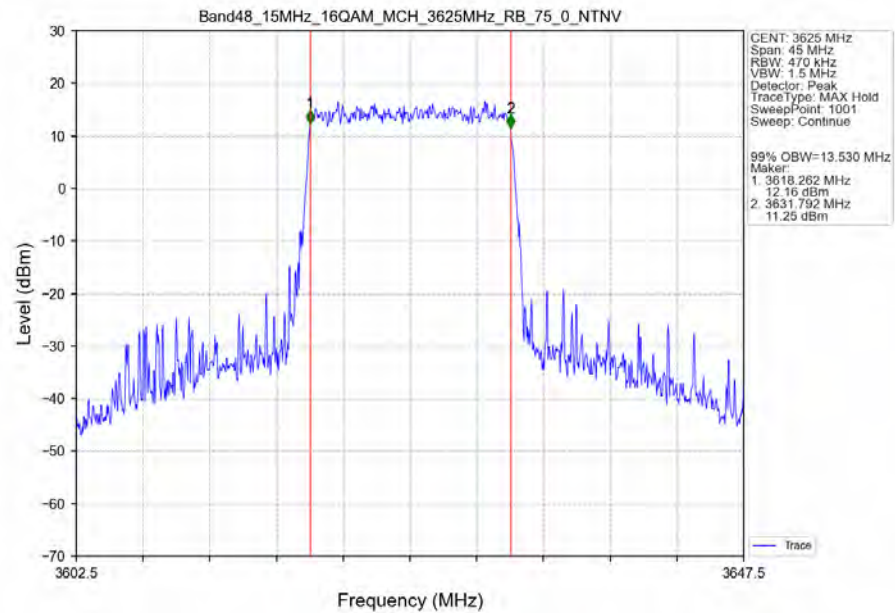
Band48 10MHz 256QAM MCH 3625MHz RB 50 0 NTN



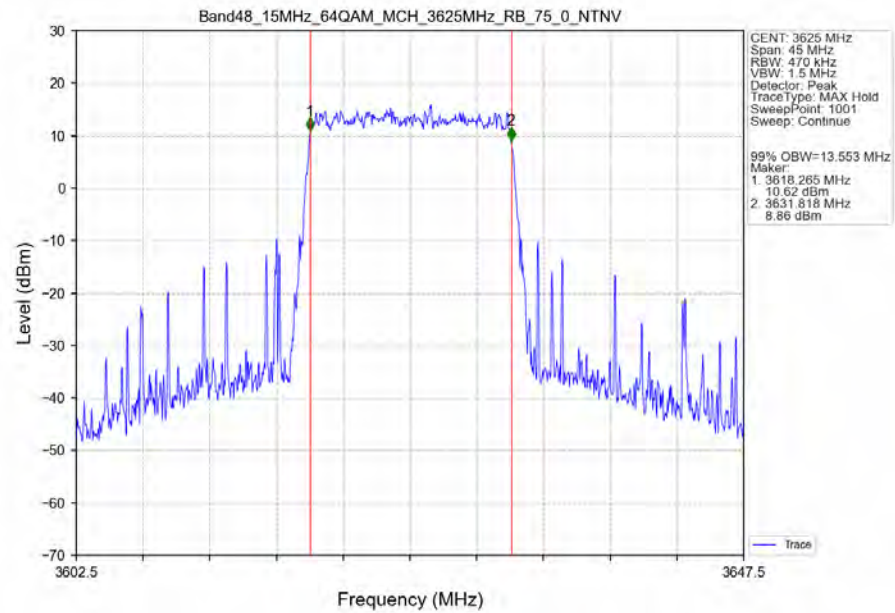
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



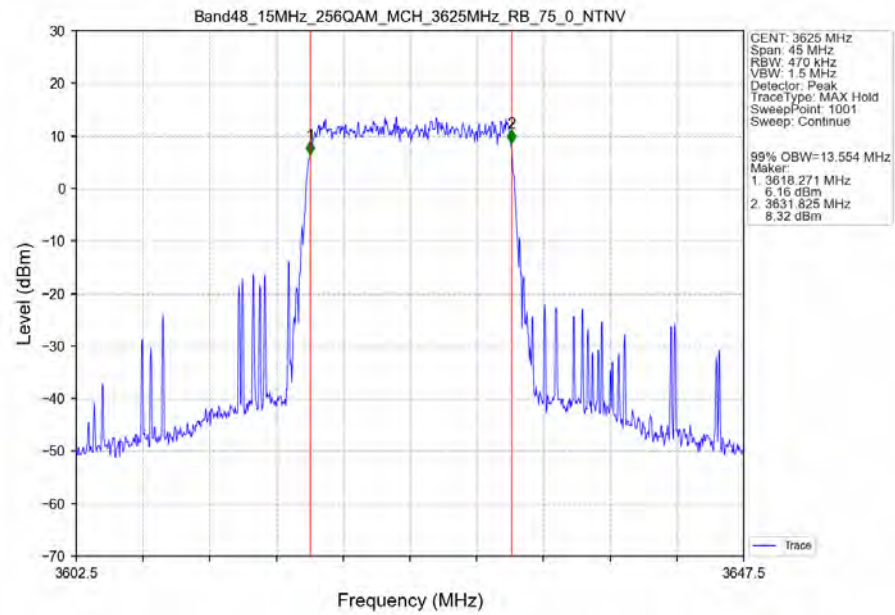
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



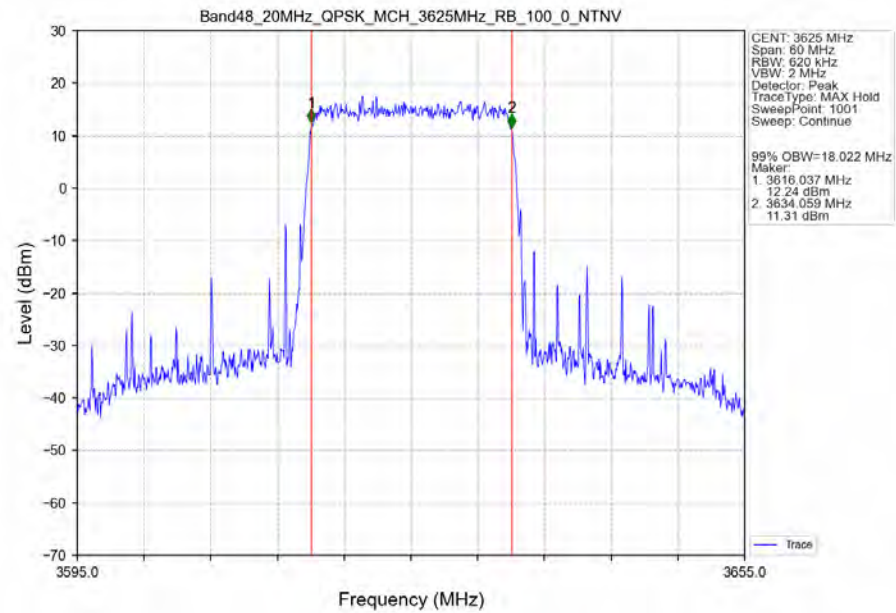
Band48 15MHz 64QAM MCH 3625MHz RB 75 0 NTNV



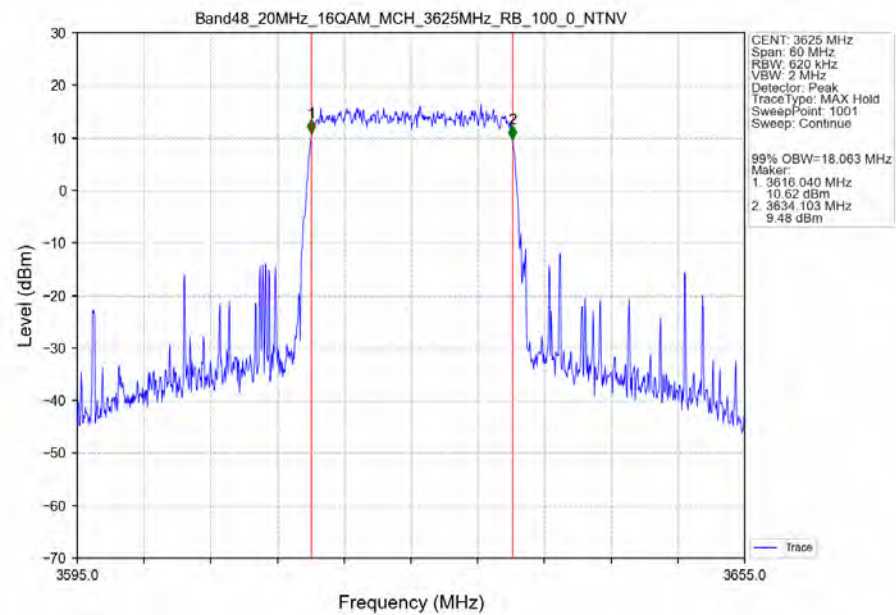
Band48 15MHz 256QAM MCH 3625MHz RB 75 0 NTNV



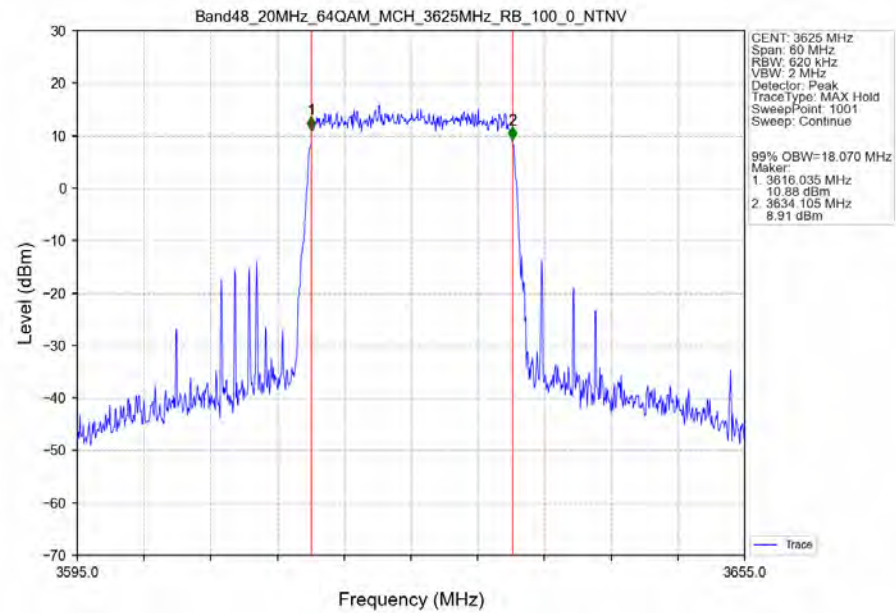
Band48 20MHz QPSK MCH 3625MHz RB 100 0 NTV



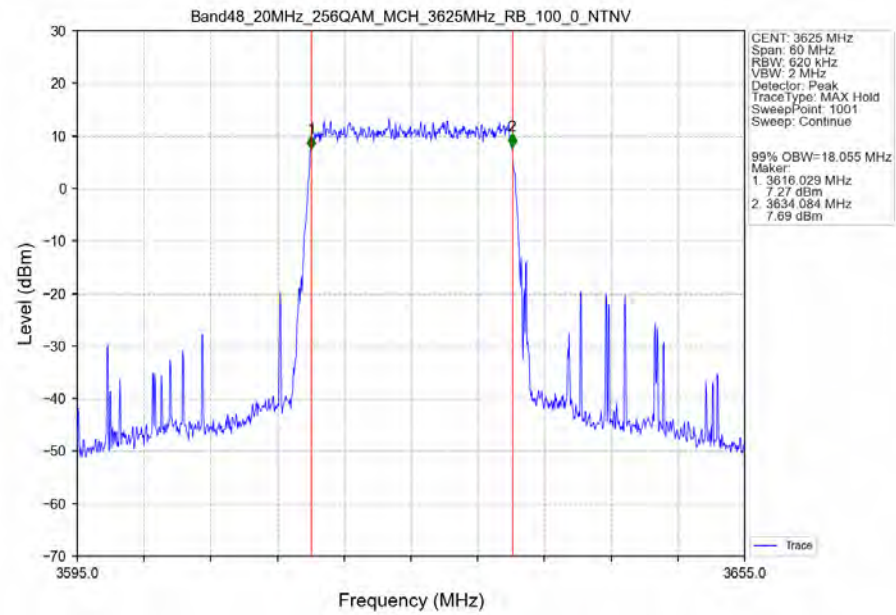
Band48 20MHz 16QAM MCH 3625MHz RB 100 0 NTV



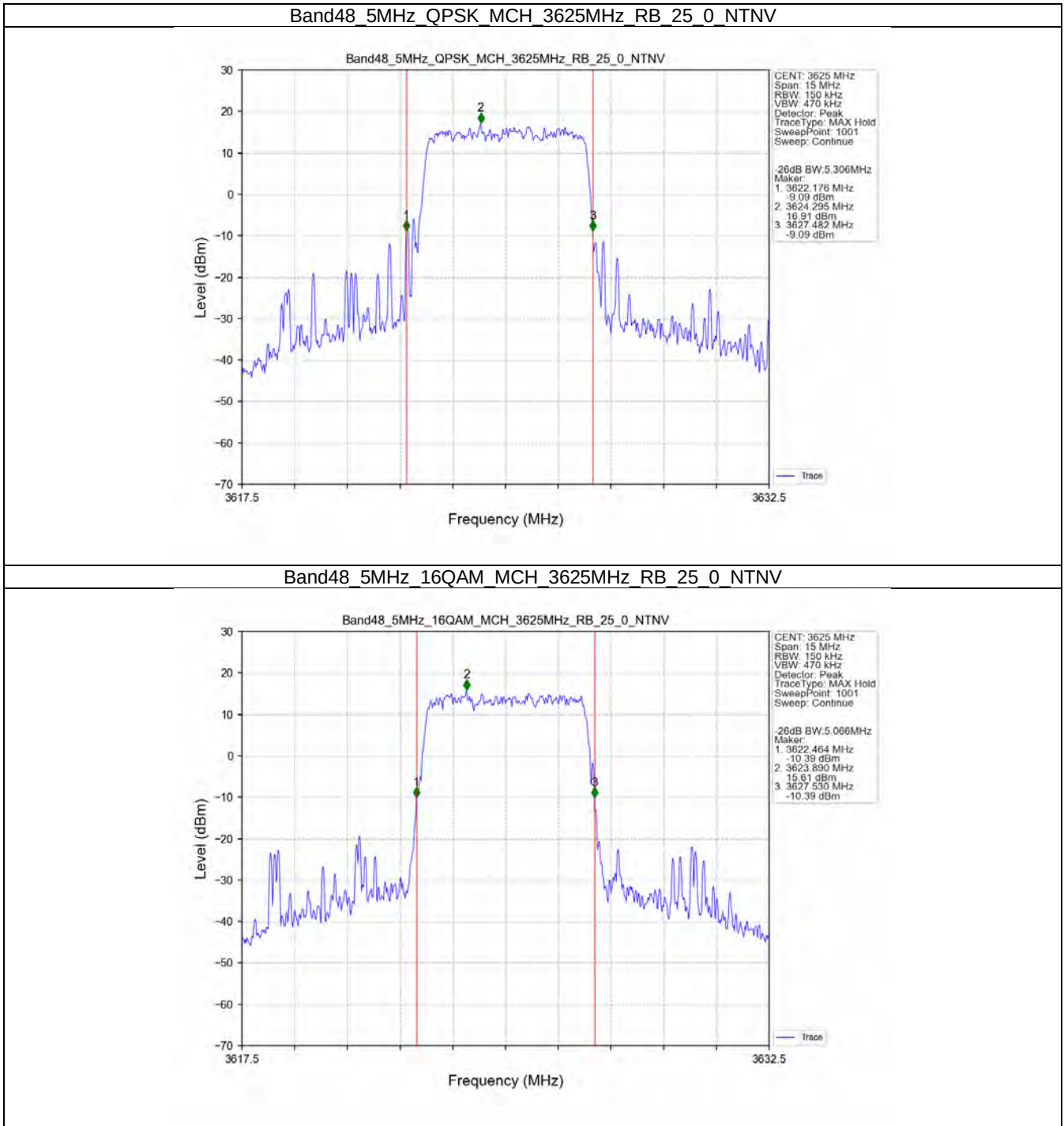
Band48 20MHz 64QAM MCH 3625MHz RB 100 0 NTV



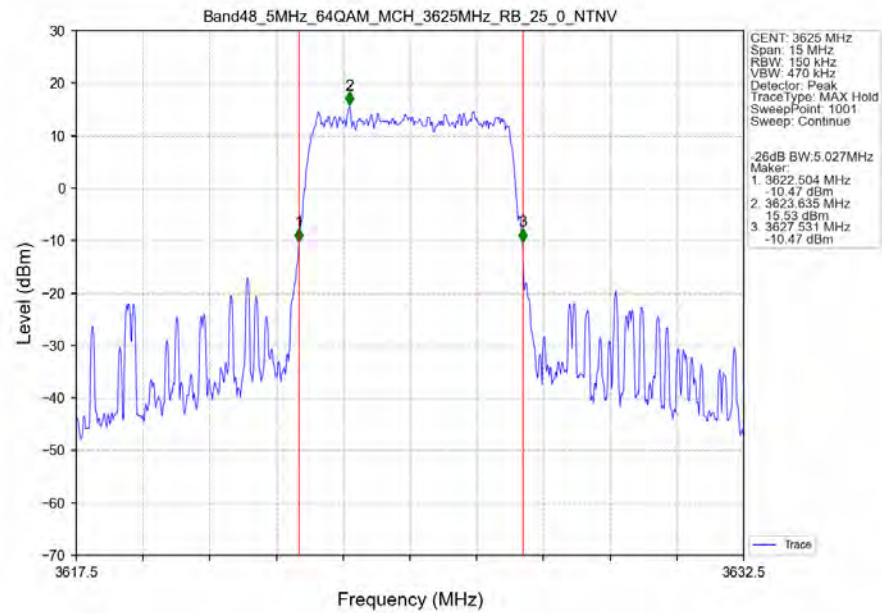
Band48 20MHz 256QAM MCH 3625MHz RB 100 0 NTV



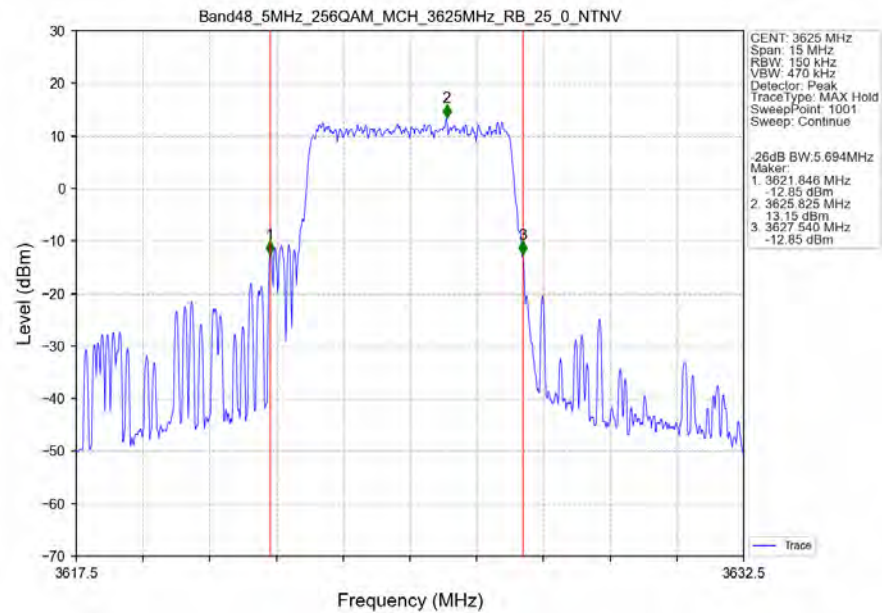
3.2.2 Band48_XDB



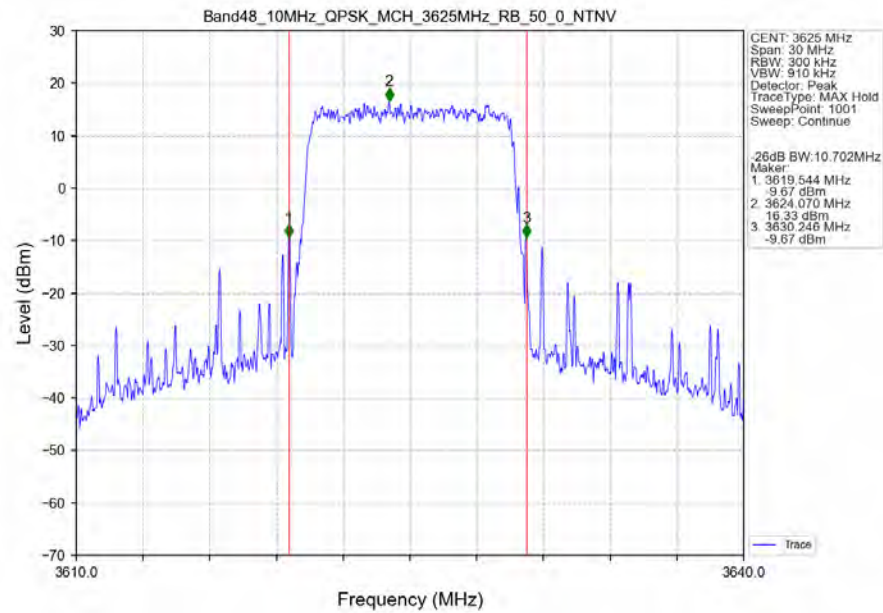
Band48 5MHz 64QAM MCH 3625MHz RB 25 0 NTNV



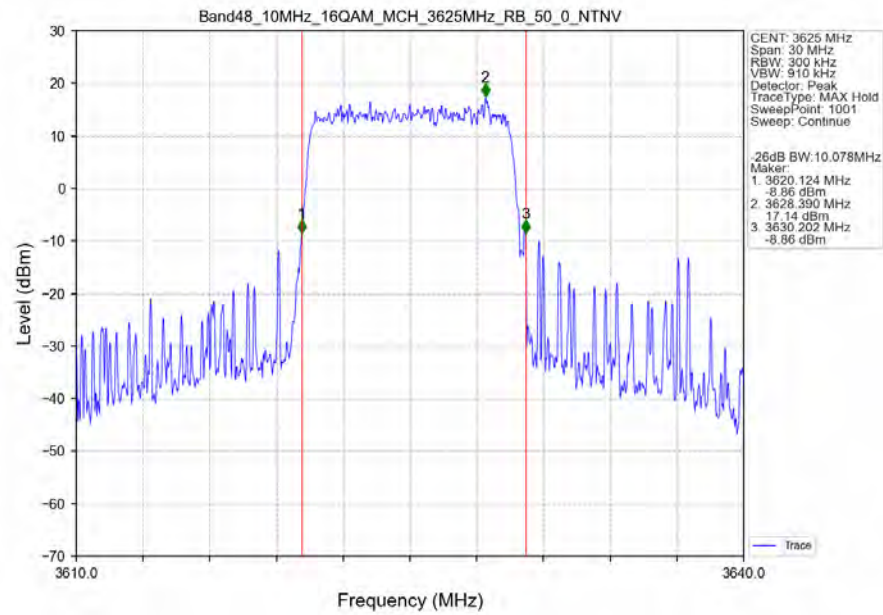
Band48 5MHz 256QAM MCH 3625MHz RB 25 0 NTNV



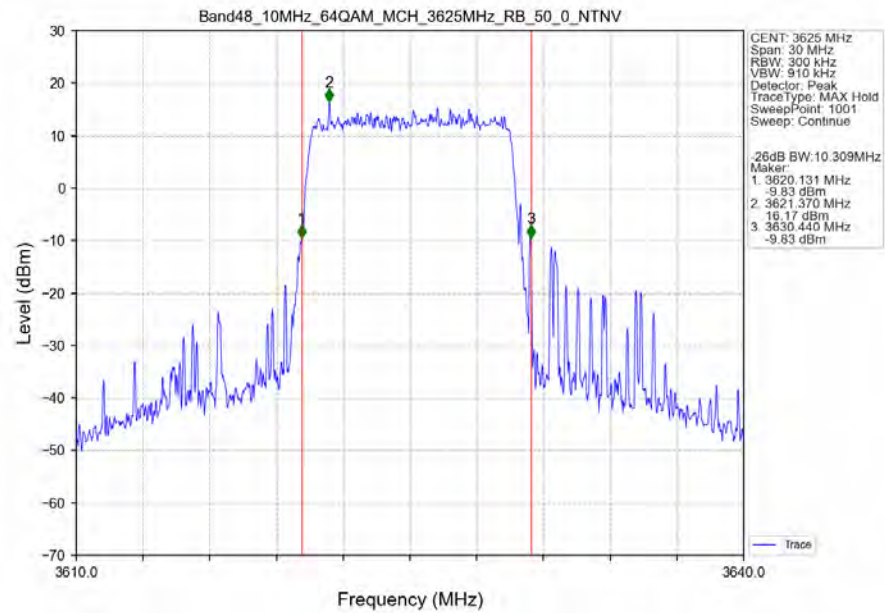
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



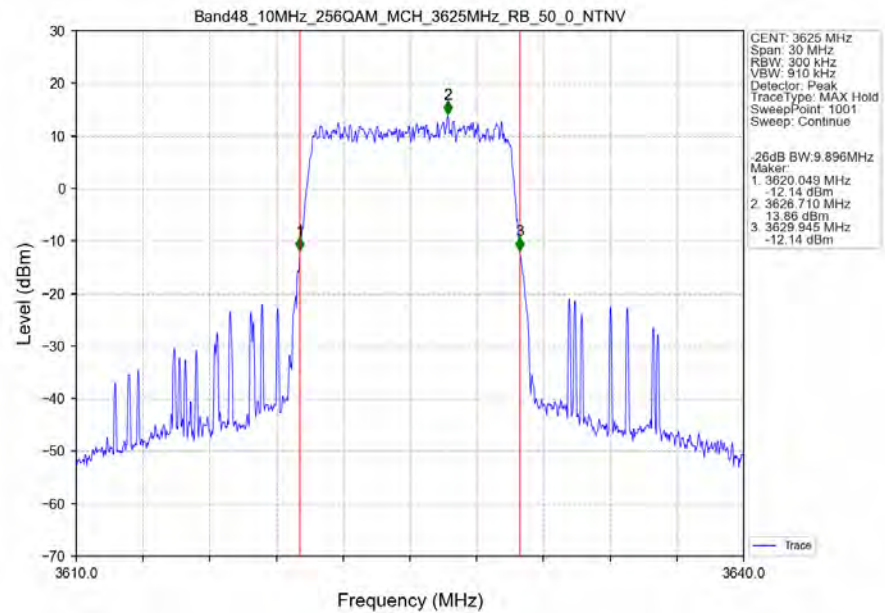
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



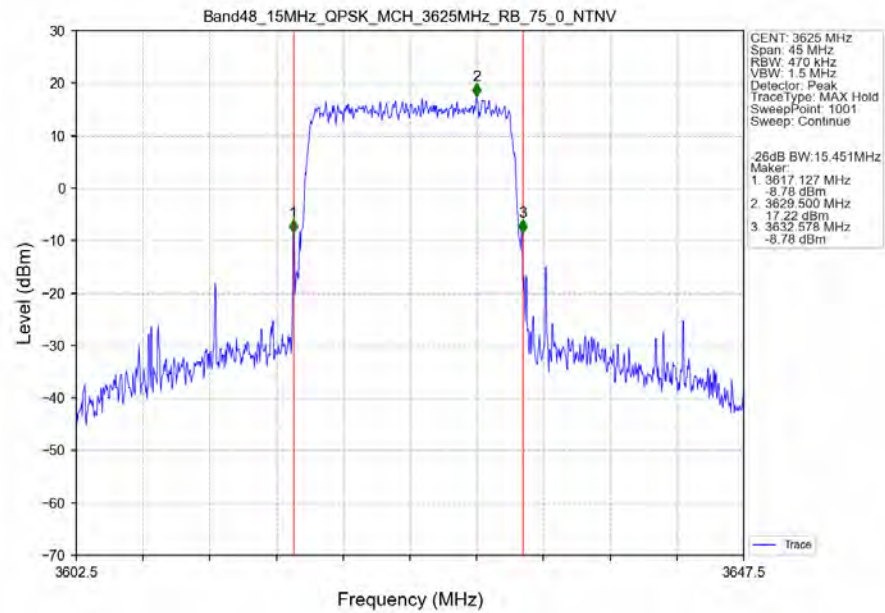
Band48 10MHz 64QAM MCH 3625MHz RB 50 0 NTN



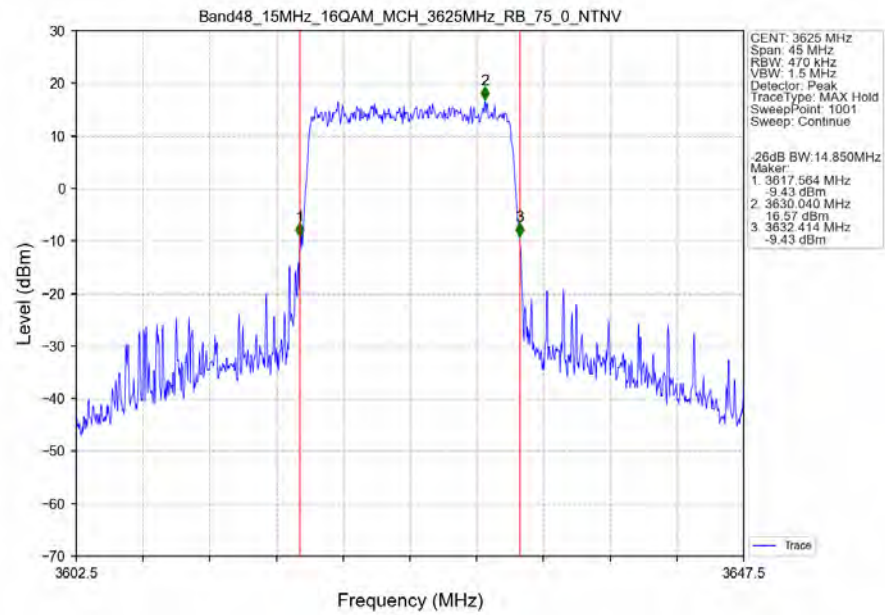
Band48 10MHz 256QAM MCH 3625MHz RB 50 0 NTN



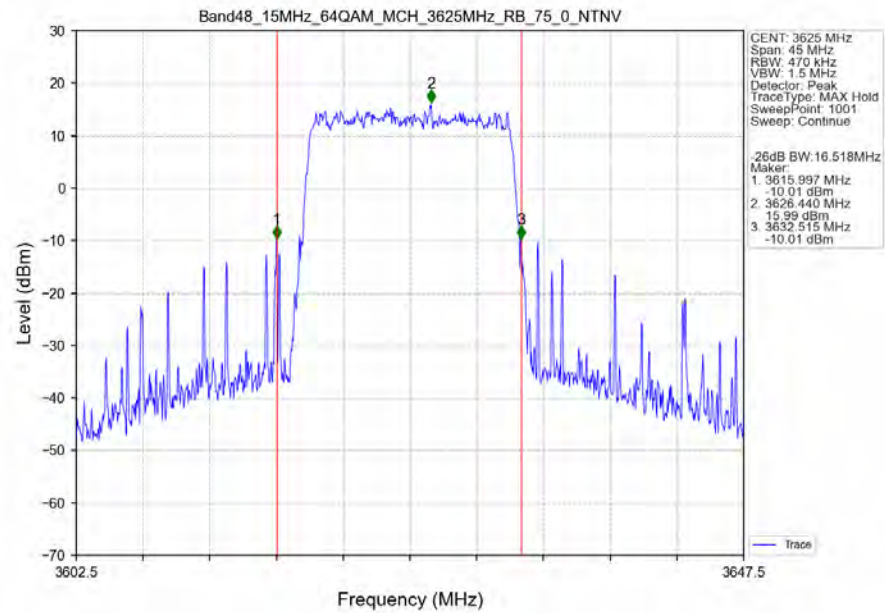
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



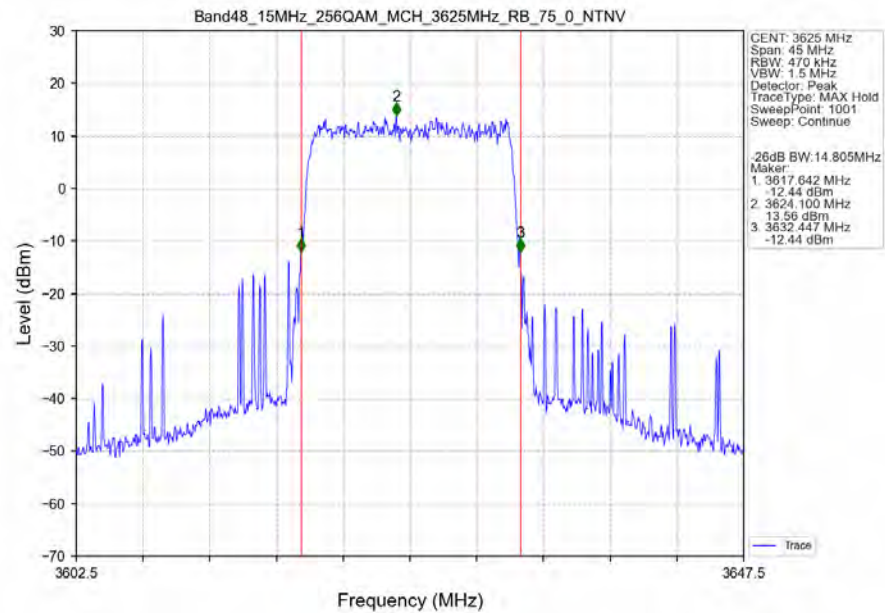
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



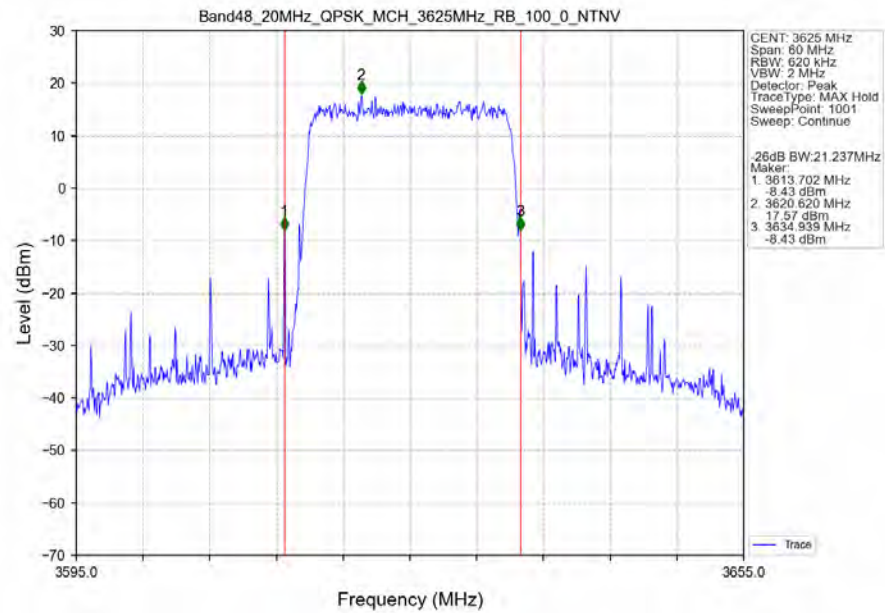
Band48 15MHz 64QAM MCH 3625MHz RB 75 0 NTNV



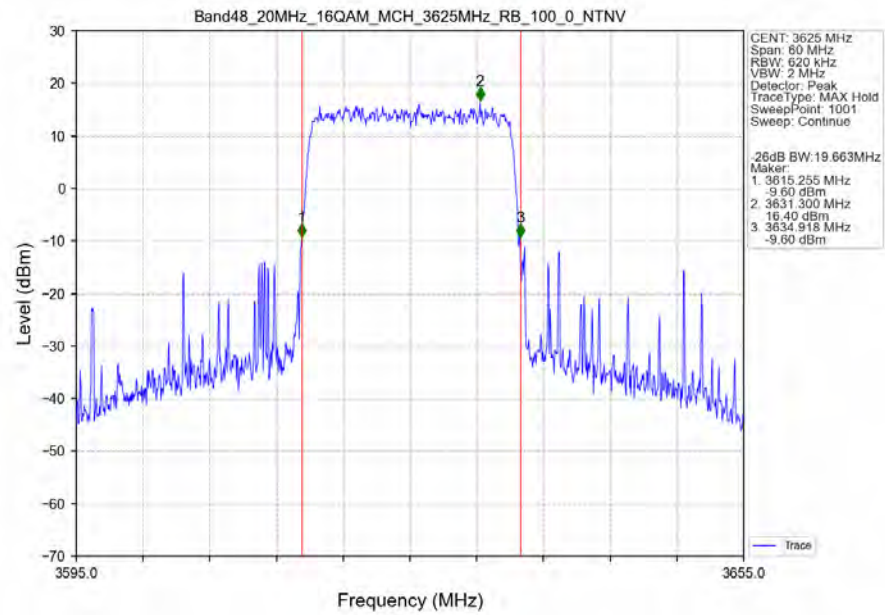
Band48 15MHz 256QAM MCH 3625MHz RB 75 0 NTNV



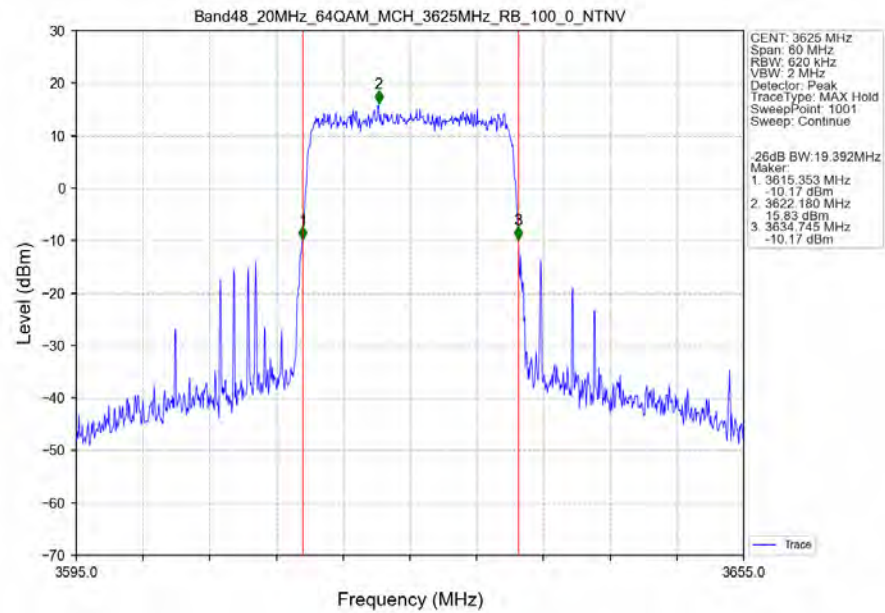
Band48 20MHz QPSK MCH 3625MHz RB 100 0 NTV



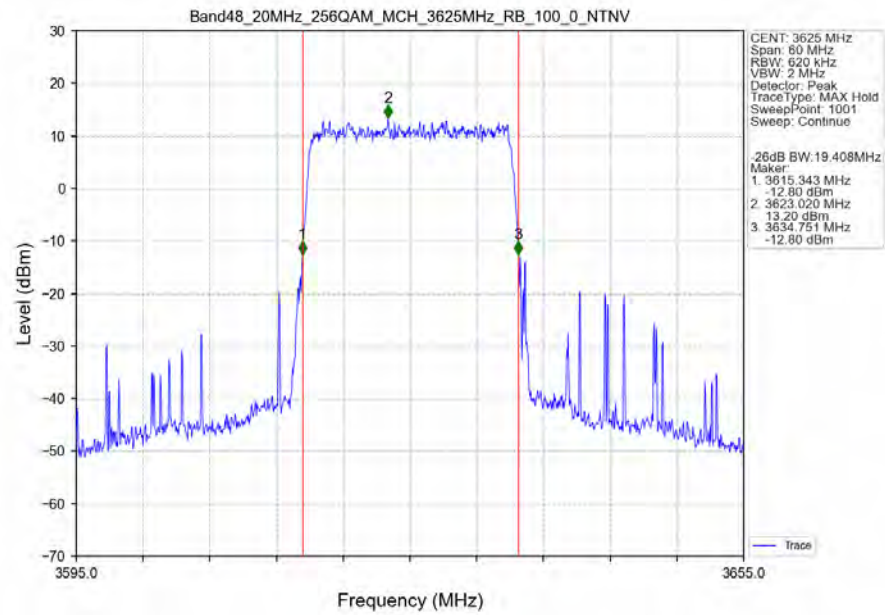
Band48 20MHz 16QAM MCH 3625MHz RB 100 0 NTV



Band48 20MHz 64QAM MCH 3625MHz RB 100 0 NTV



Band48 20MHz 256QAM MCH 3625MHz RB 100 0 NTV



4. Peak-Average Ratio

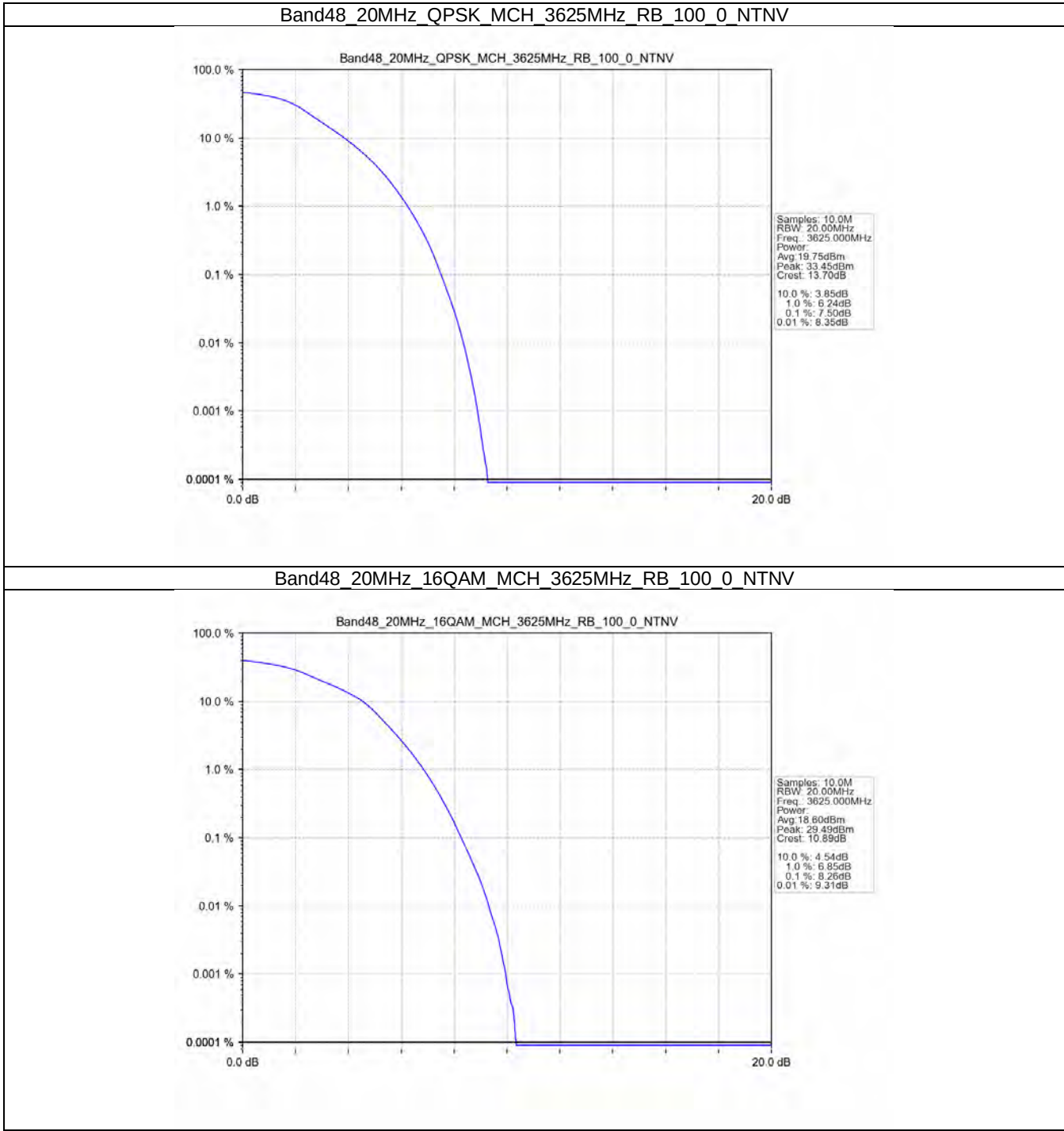
4.1 Test Result

4.1.1 B48_20MHz

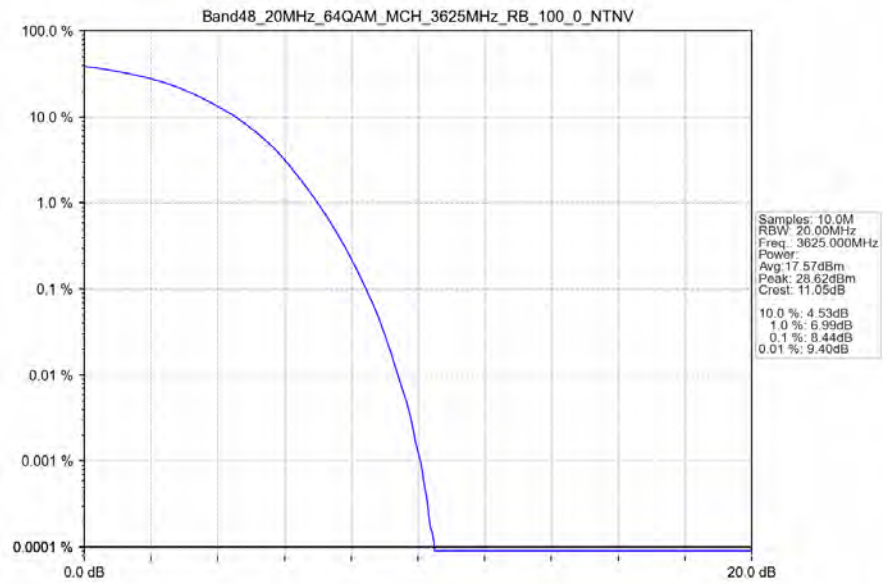
Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3625	100	0	7.50	<=13	Pass
16QAM	3625	100	0	8.26	<=13	Pass
64QAM	3625	100	0	8.44	<=13	Pass
256QAM	3625	100	0	8.52	<=13	Pass

4.2 Test Graph

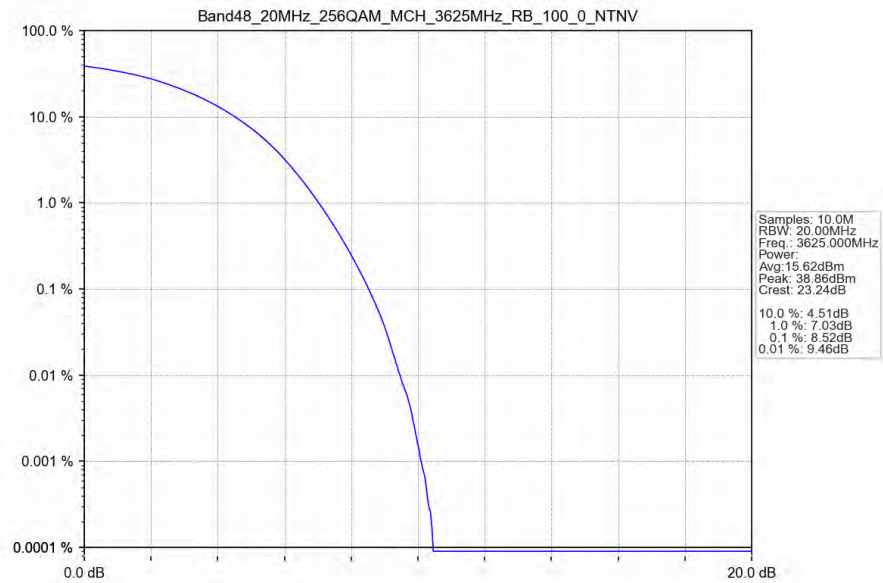
4.2.1 B48_20MHz



Band48 20MHz 64QAM MCH 3625MHz RB 100 0 NTN



Band48 20MHz 256QAM MCH 3625MHz RB 100 0 NTN



5. Spurious Emission

5.1 Test Result

5.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B48_10MHz

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B48_15MHz

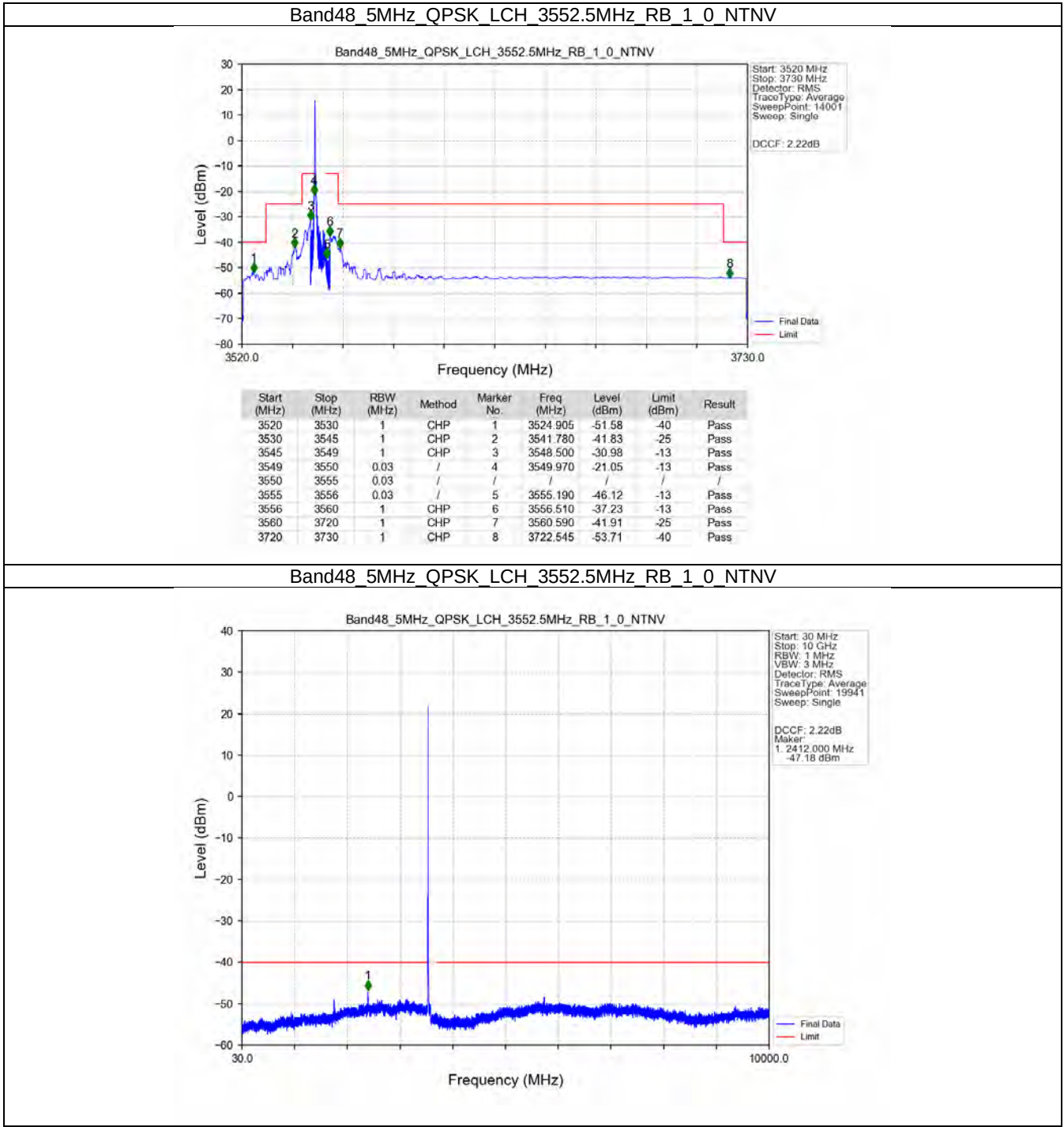
Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.4 B48_20MHz

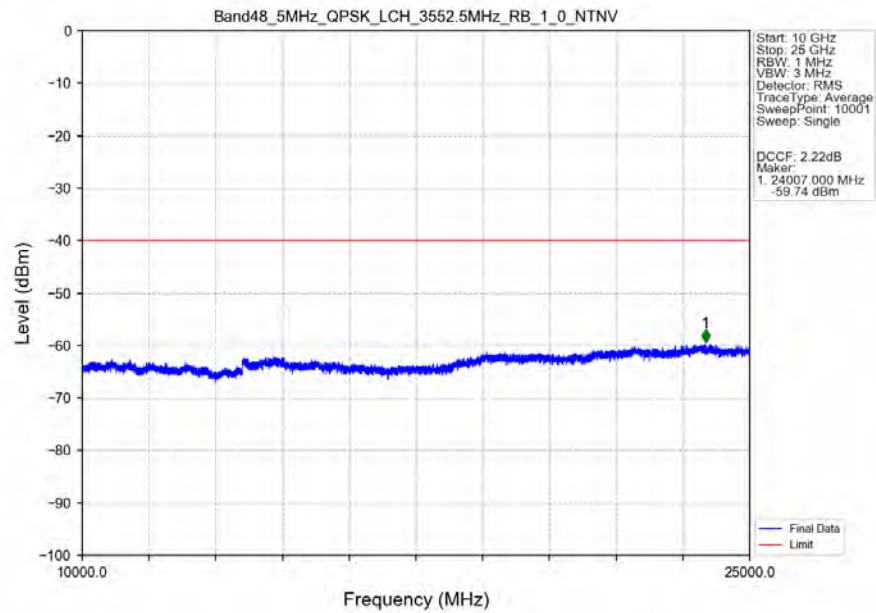
Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

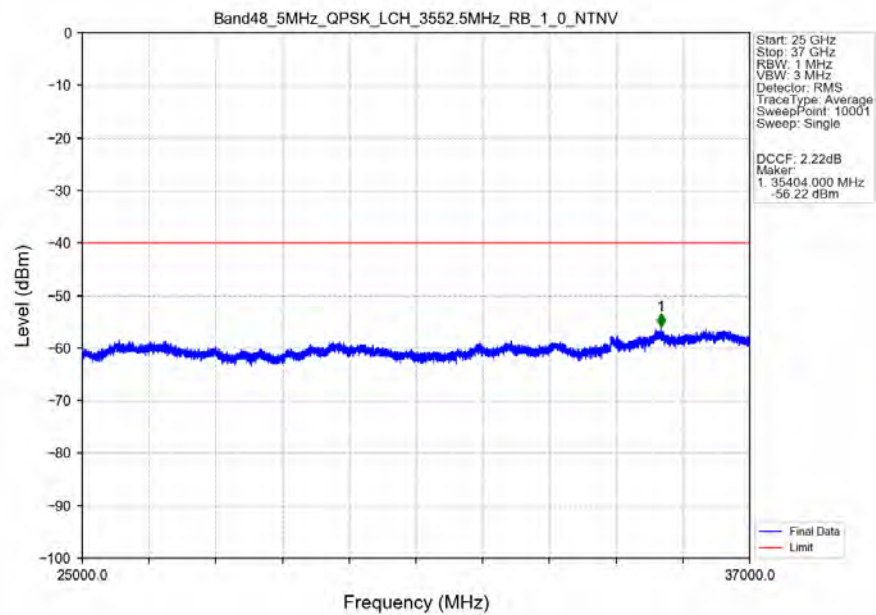
5.2.1 B48_5MHz



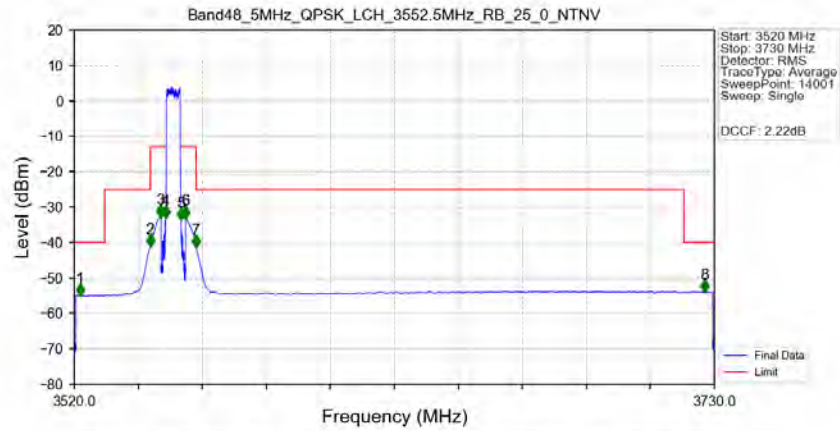
Band48 5MHz QPSK LCH 3552.5MHz RB 1 0 NTNV



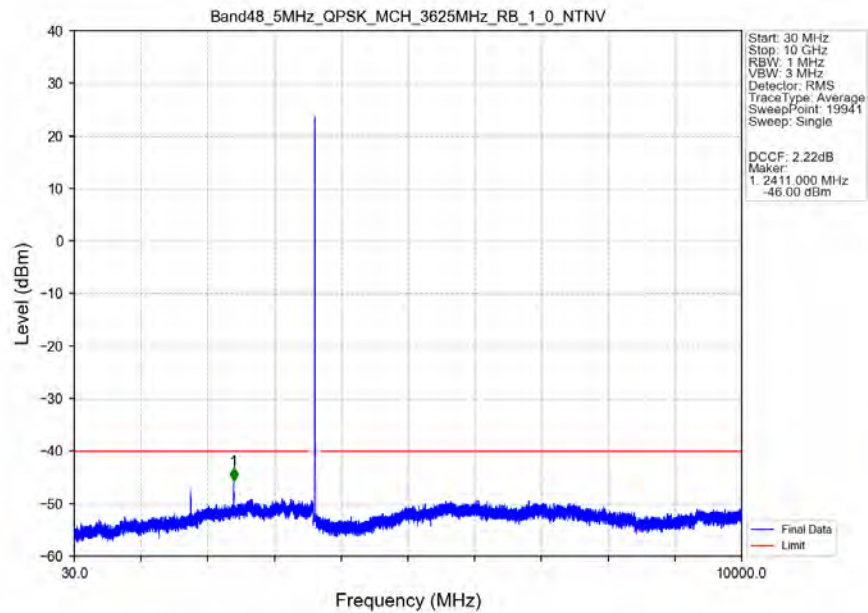
Band48 5MHz QPSK LCH 3552.5MHz RB 1 0 NTNV



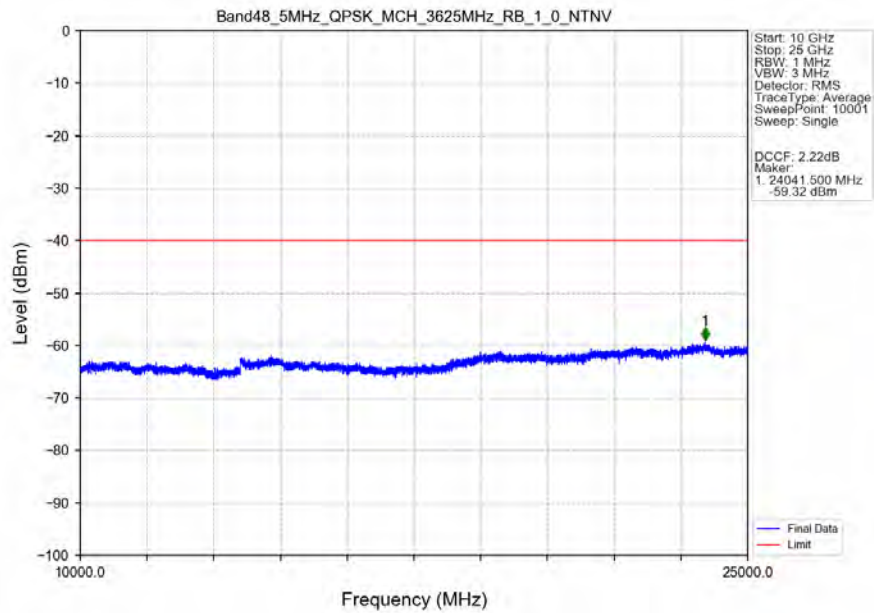
Band48 5MHz QPSK LCH 3552.5MHz RB 25 0 NTNV



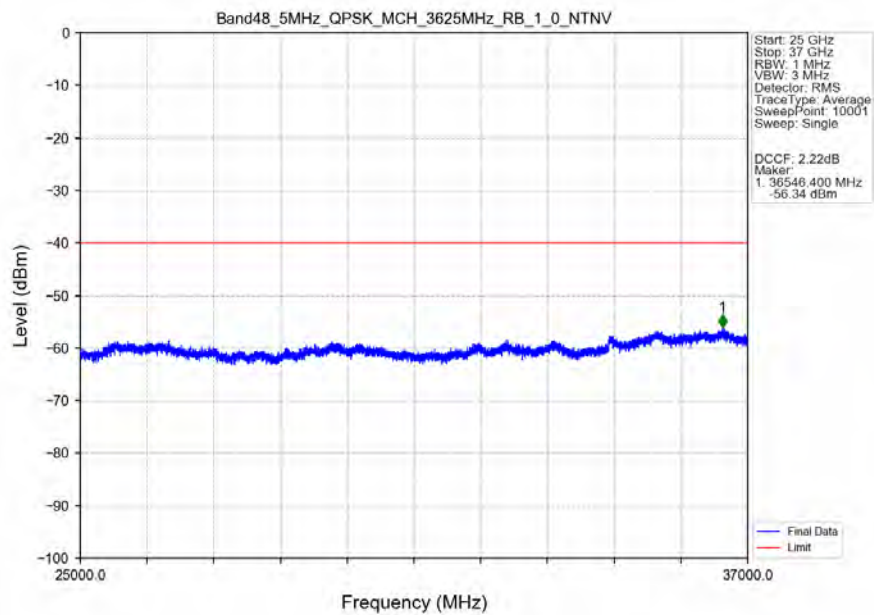
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTNV



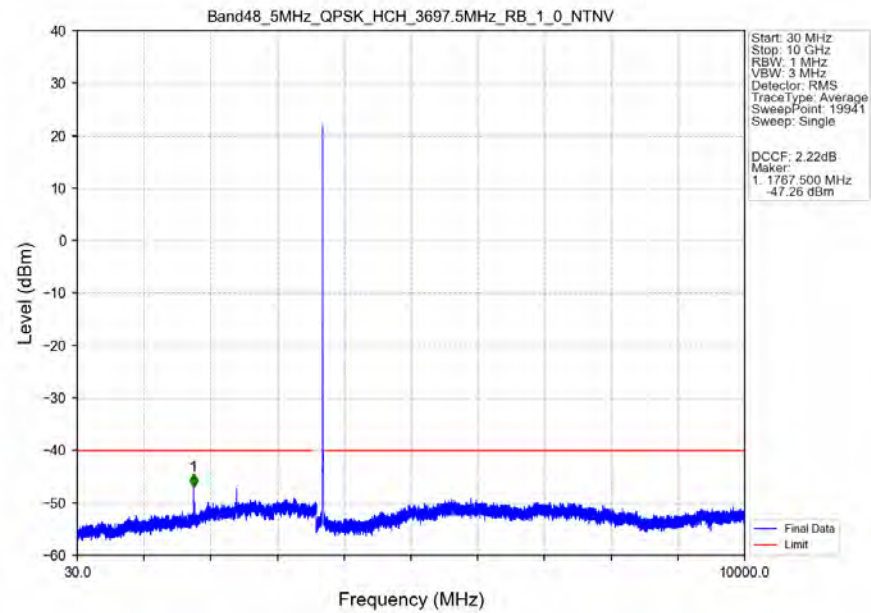
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTN



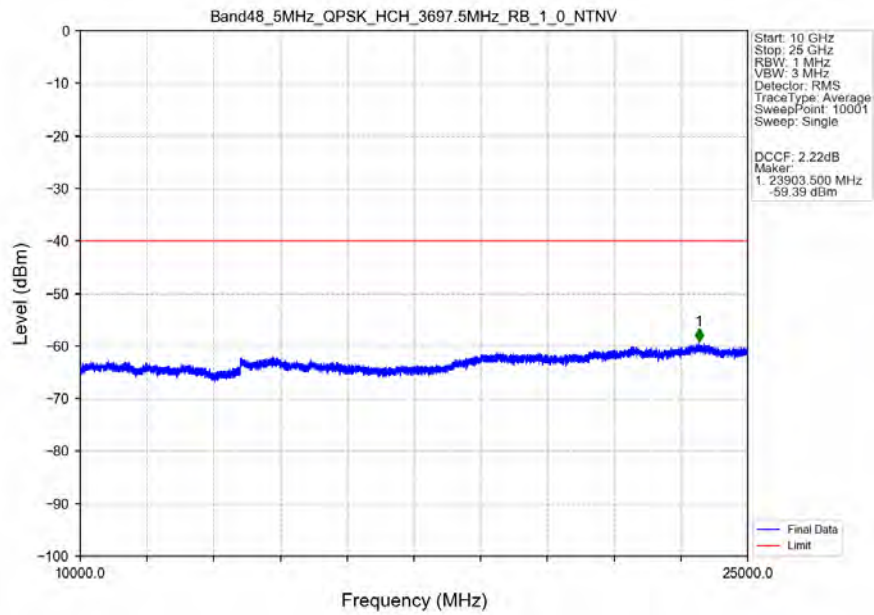
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTN



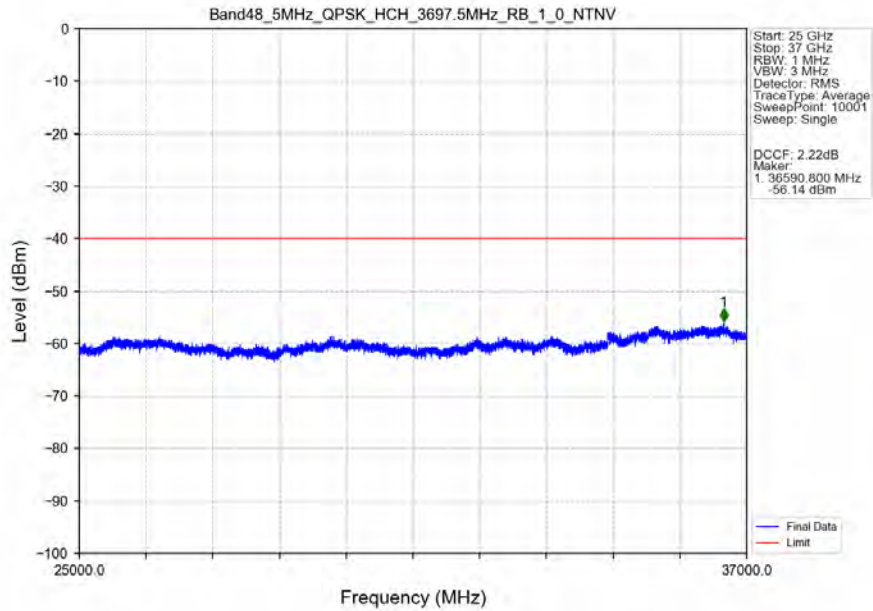
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTNV



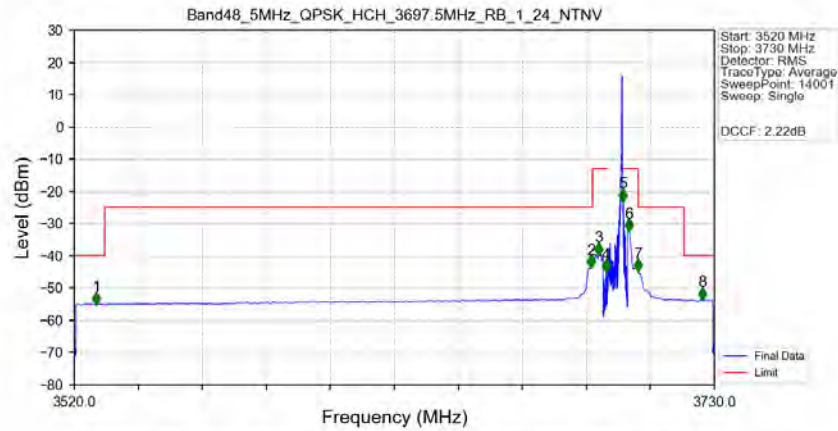
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTNV



Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTV

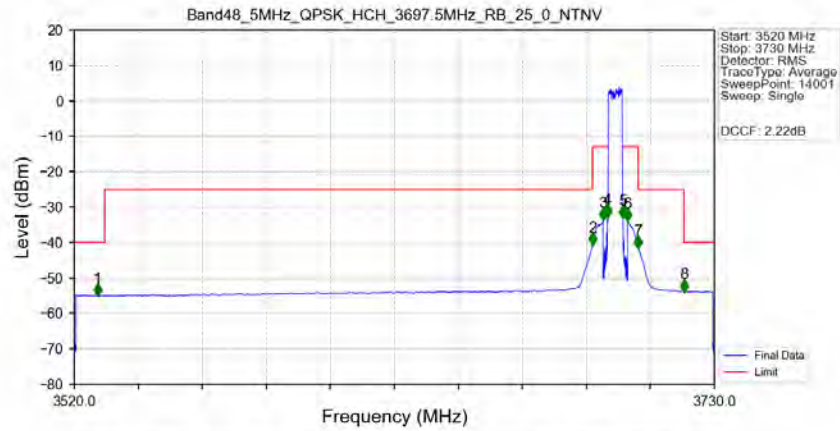


Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_24_NTV



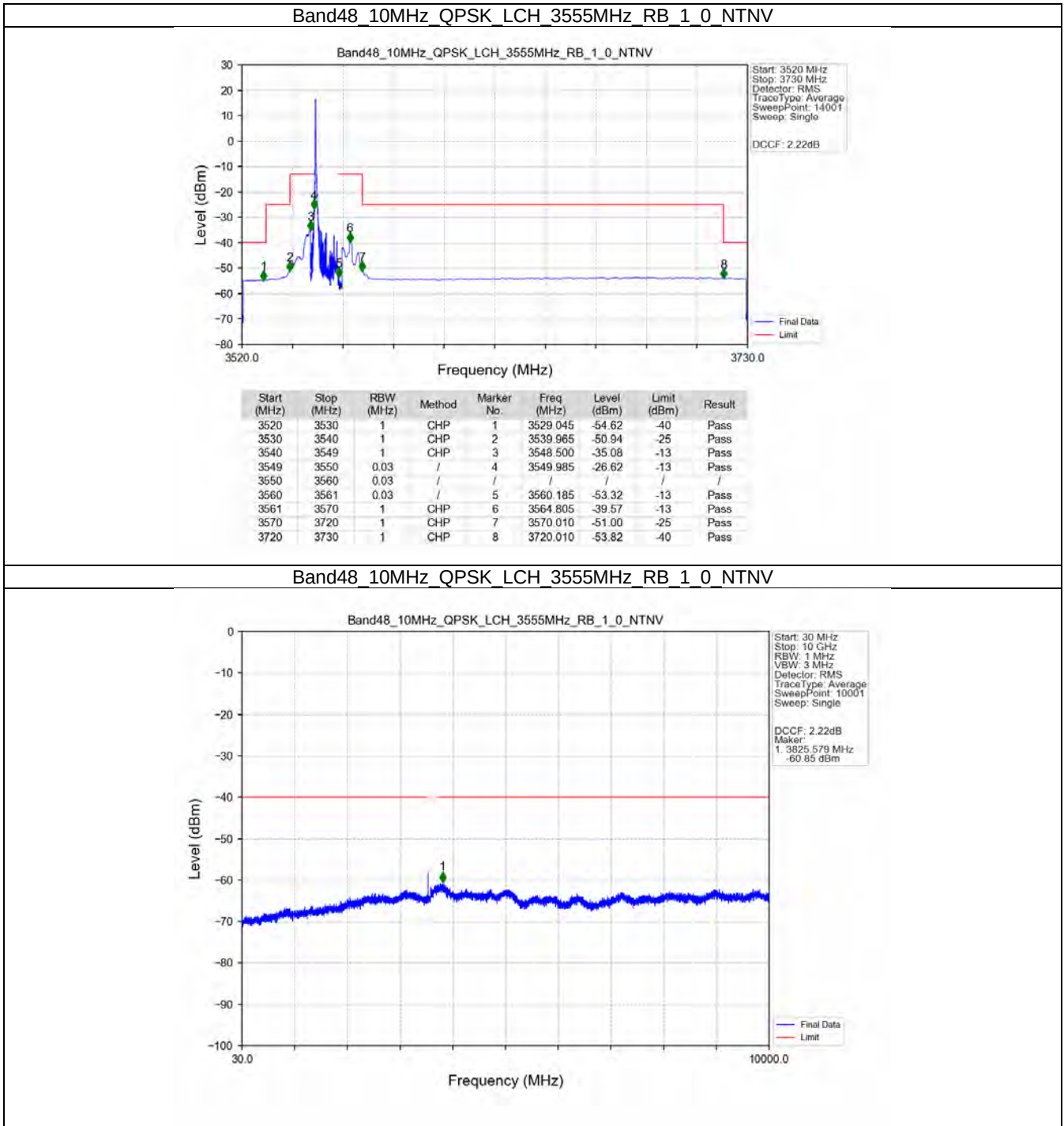
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3527.245	-54.84	-40	Pass
3530	3690	1	CHP	2	3689.620	-43.45	-25	Pass
3690	3694	1	CHP	3	3691.930	-39.59	-13	Pass
3694	3695	0.03	/	4	3694.420	-44.81	-13	Pass
3695	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.015	-22.90	-13	Pass
3701	3705	1	CHP	6	3701.935	-32.13	-13	Pass
3705	3720	1	CHP	7	3705.010	-44.64	-25	Pass
3720	3730	1	CHP	8	3726.010	-53.48	-40	Pass

Band48 5MHz QPSK HCH 3697.5MHz RB 25 0 NTV

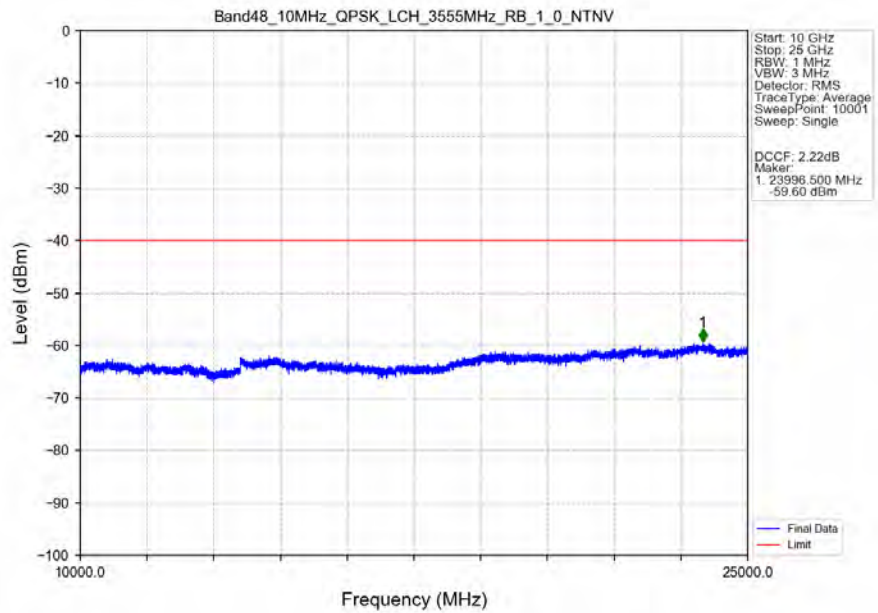


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3527.680	-54.86	-40	Pass
3530	3690	1	CHP	2	3689.995	-40.59	-25	Pass
3690	3694	1	CHP	3	3693.490	-33.56	-13	Pass
3694	3695	0.053	CHP	4	3694.990	-32.67	-13	Pass
3695	3700	0.053	CHP	/	/	/	/	/
3700	3701	0.053	CHP	5	3700.015	-32.91	-13	Pass
3701	3705	1	CHP	6	3701.545	-33.81	-13	Pass
3705	3720	1	CHP	7	3705.010	-41.46	-25	Pass
3720	3730	1	CHP	8	3720.085	-53.74	-40	Pass

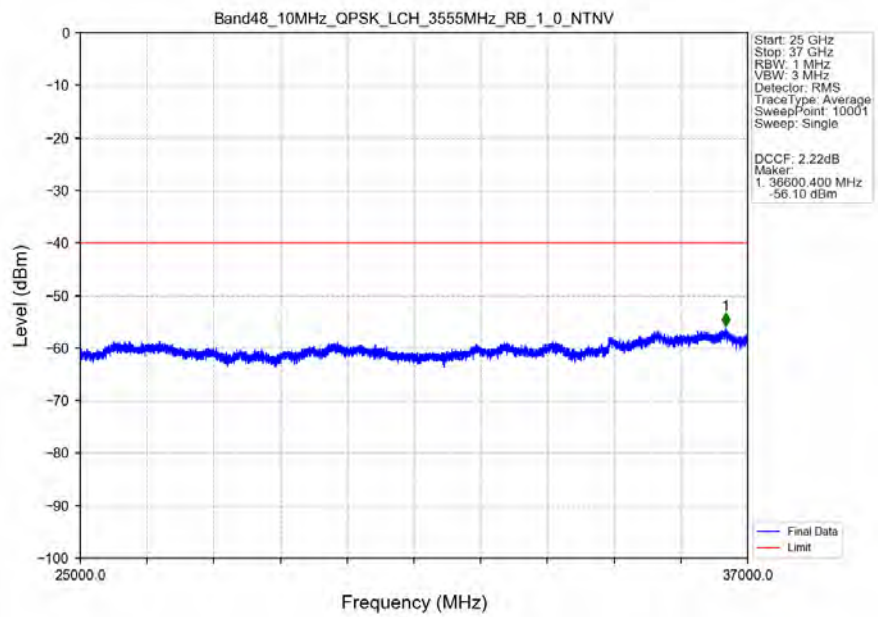
5.2.2 B48_10MHz



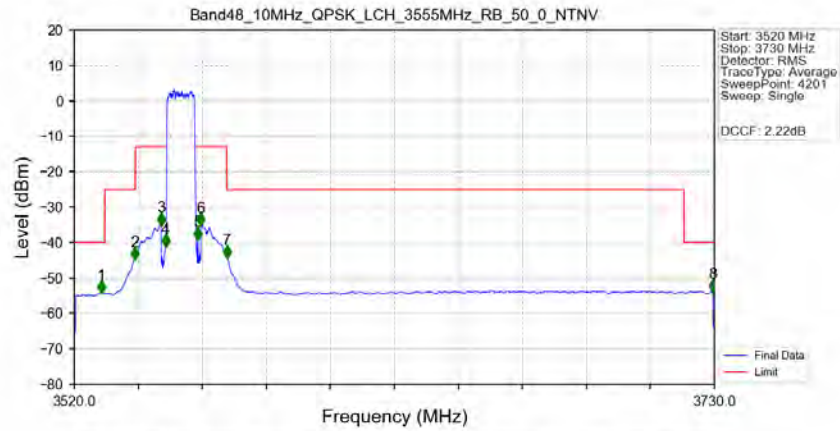
Band48 10MHz QPSK LCH 3555MHz RB 1 0 NTN



Band48 10MHz QPSK LCH 3555MHz RB 1 0 NTN

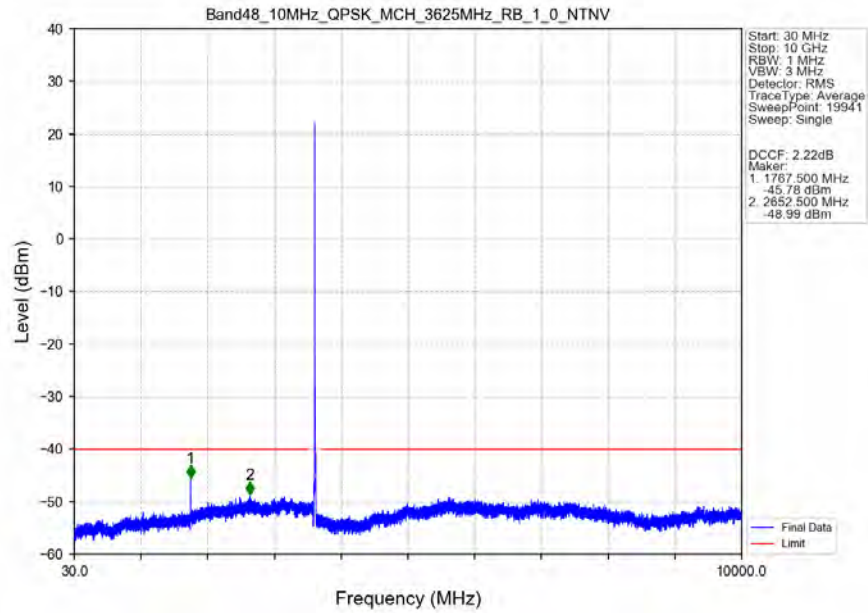


Band48 10MHz QPSK LCH 3555MHz RB 50 0 NTV

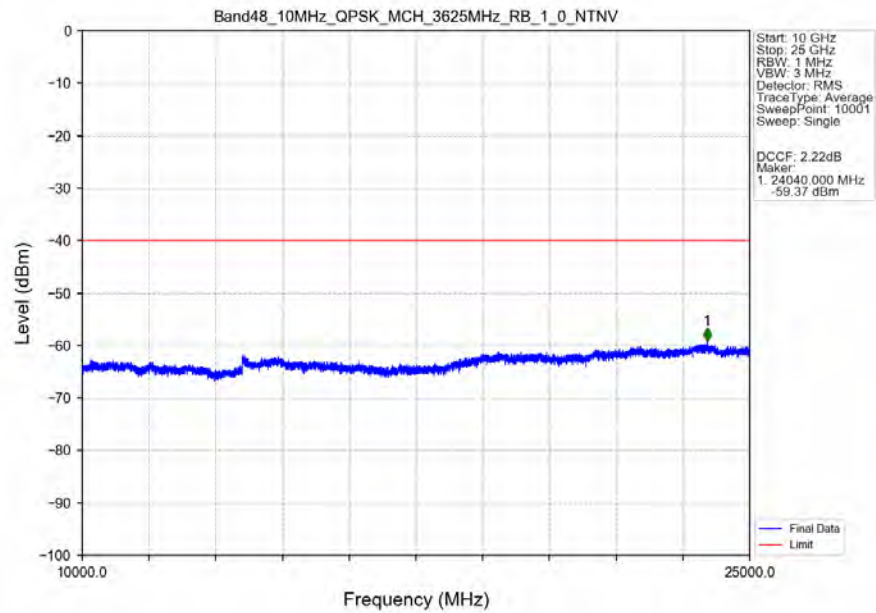


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3528.900	-54.11	-40	Pass
3530	3540	1	CHP	2	3539.950	-44.64	-25	Pass
3540	3549	1	CHP	3	3548.450	-34.92	-13	Pass
3549	3550	0.107	CHP	4	3549.950	-40.99	-13	Pass
3550	3560	0.107	CHP	/	/	/	/	/
3560	3561	0.107	CHP	5	3560.550	-38.97	-13	Pass
3561	3570	1	CHP	6	3561.500	-35.09	-13	Pass
3570	3720	1	CHP	7	3570.050	-44.13	-25	Pass
3720	3730	1	CHP	8	3729.500	-53.73	-40	Pass

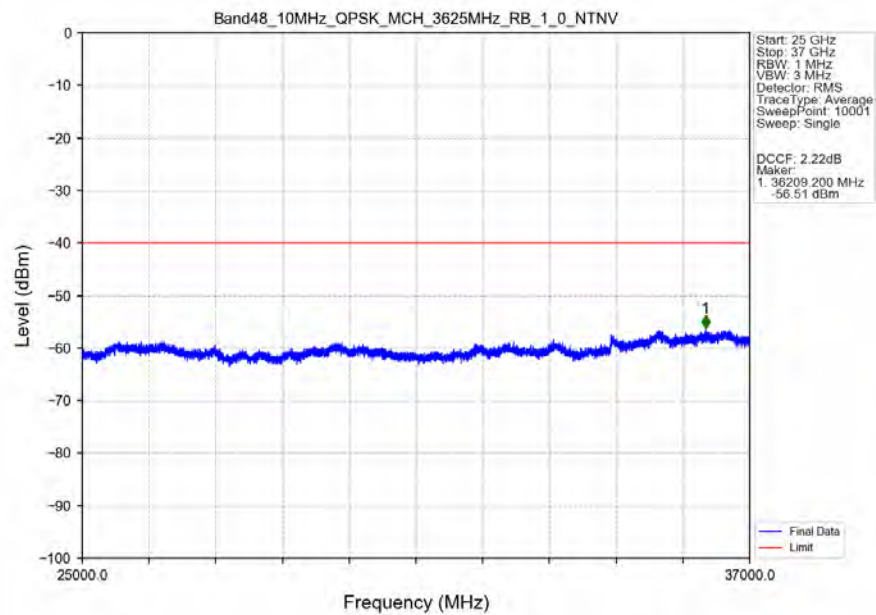
Band48 10MHz QPSK MCH 3625MHz RB 1 0 NTV



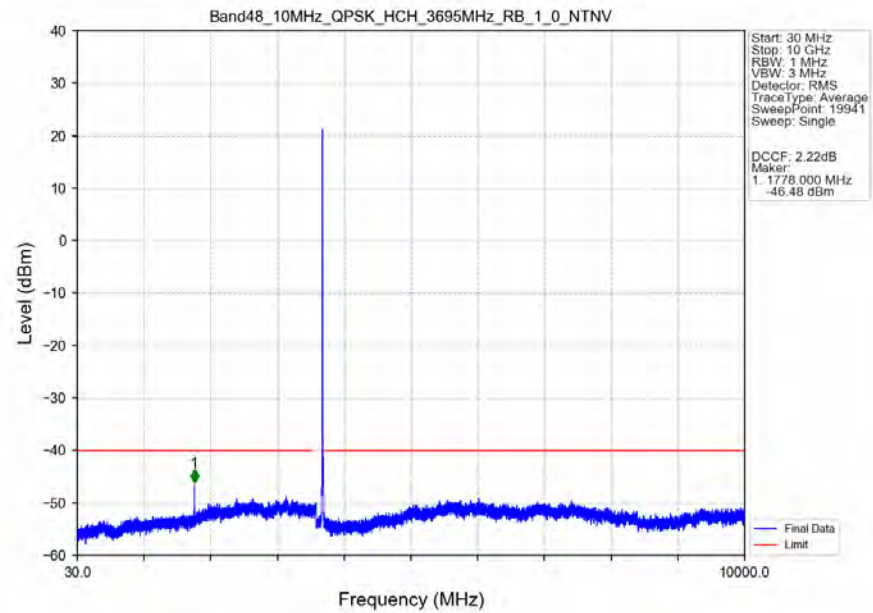
Band48 10MHz QPSK MCH 3625MHz RB 1 0 NTNV



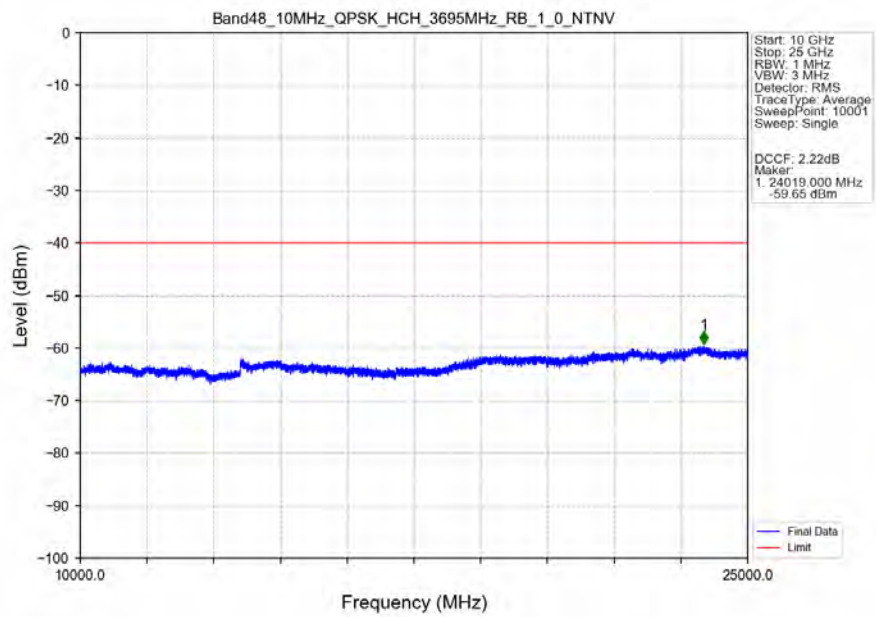
Band48 10MHz QPSK MCH 3625MHz RB 1 0 NTNV



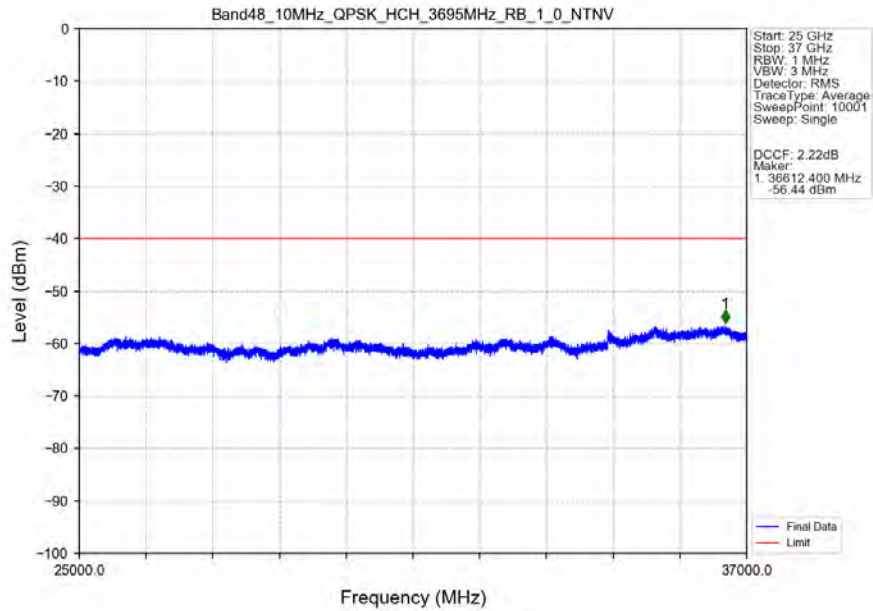
Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTNV



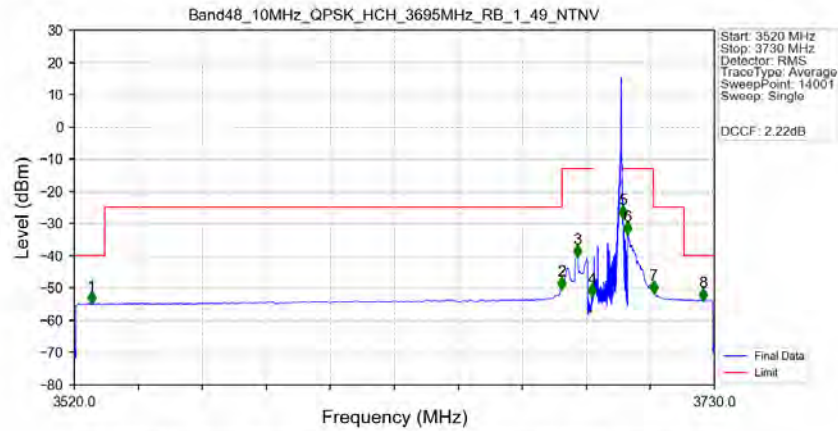
Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTNV



Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTV

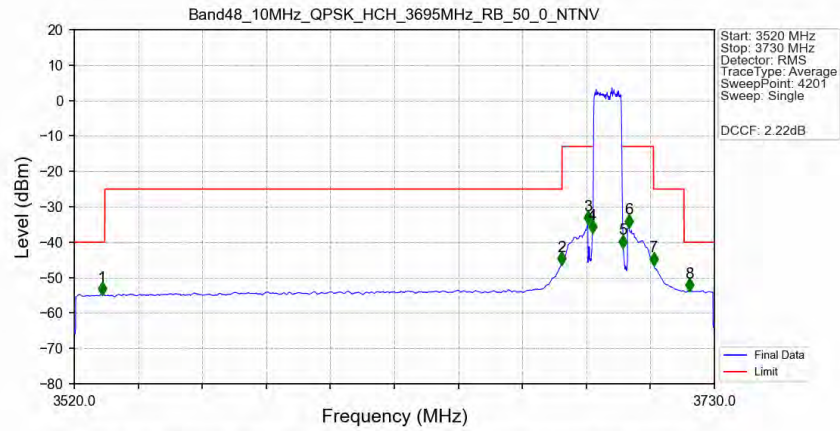


Band48 10MHz QPSK HCH 3695MHz RB 1 49 NTV



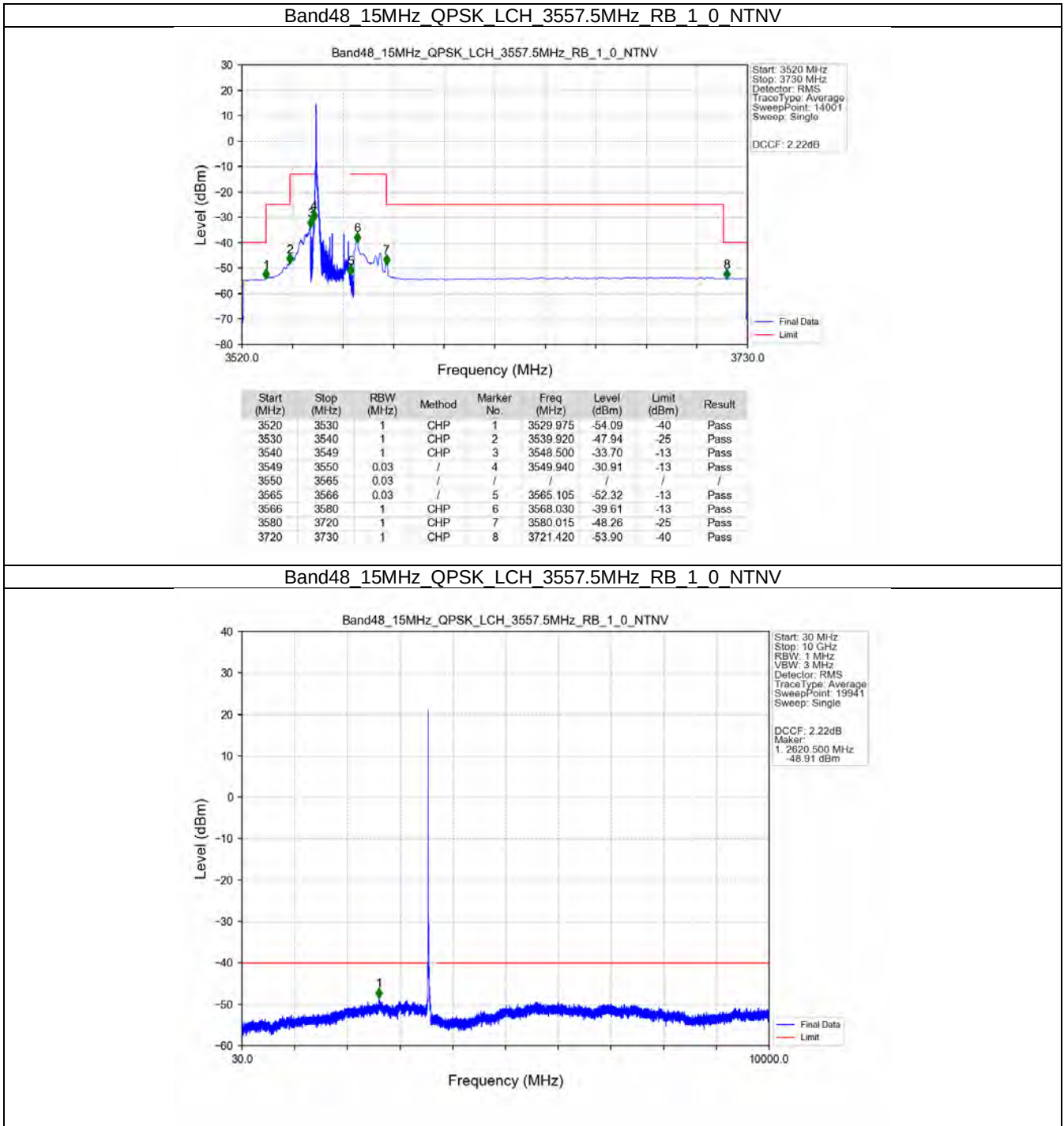
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3525.715	-54.81	-40	Pass
3530	3680	1	CHP	2	3679.975	-50.19	-25	Pass
3680	3689	1	CHP	3	3685.150	-40.24	-13	Pass
3689	3690	0.03	/	4	3689.860	-52.42	-13	Pass
3690	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.030	-28.07	-13	Pass
3701	3710	1	CHP	6	3701.545	-33.12	-13	Pass
3710	3720	1	CHP	7	3710.065	-51.50	-25	Pass
3720	3730	1	CHP	8	3726.340	-53.67	-40	Pass

Band48 10MHz QPSK HCH 3695MHz RB 50 0 NTNV

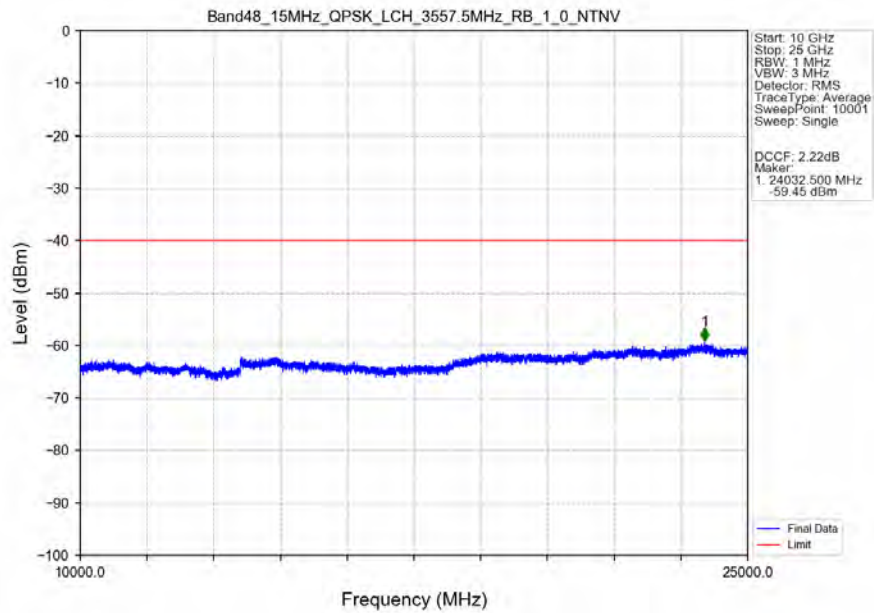


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.150	-54.65	-40	Pass
3530	3680	1	CHP	2	3679.950	-46.07	-25	Pass
3680	3689	1	CHP	3	3688.500	-34.62	-13	Pass
3689	3690	0.107	CHP	4	3689.950	-37.11	-13	Pass
3690	3700	0.107	CHP	/	/	/	/	/
3700	3701	0.107	CHP	5	3700.050	-41.33	-13	Pass
3701	3710	1	CHP	6	3701.900	-35.56	-13	Pass
3710	3720	1	CHP	7	3710.050	-46.28	-25	Pass
3720	3730	1	CHP	8	3721.900	-53.59	-40	Pass

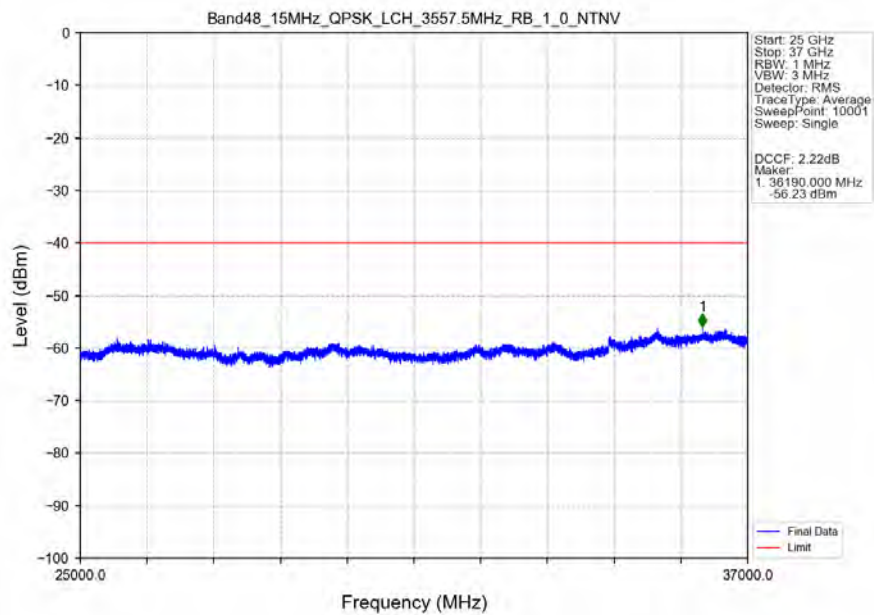
5.2.3 B48_15MHz



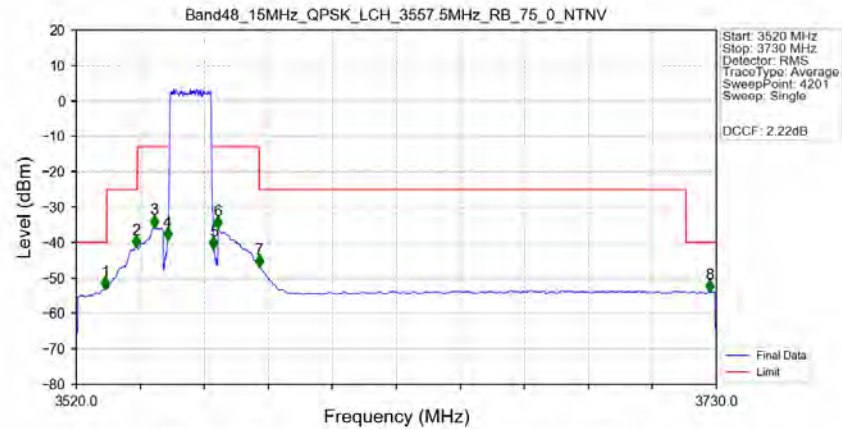
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV

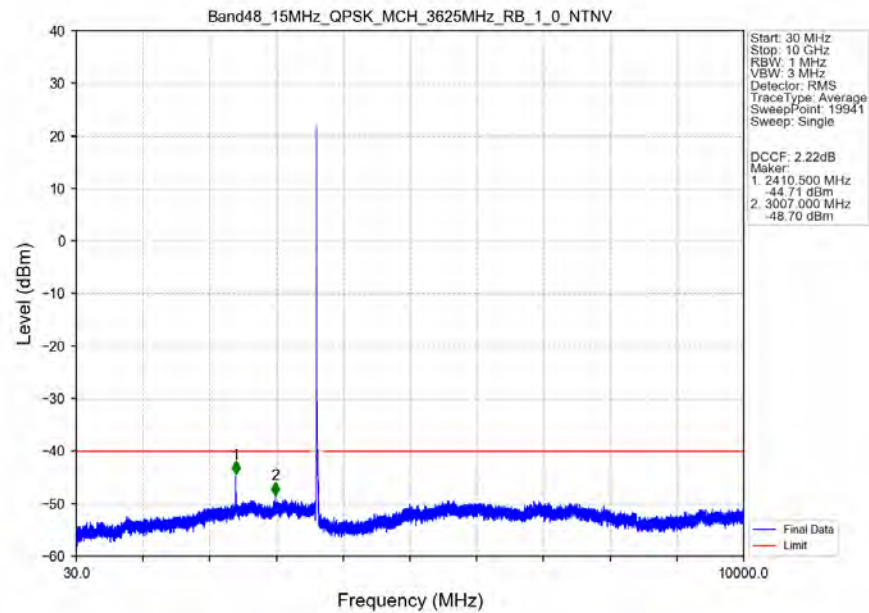


Band48 15MHz QPSK LCH 3557.5MHz RB 75 0 NTN

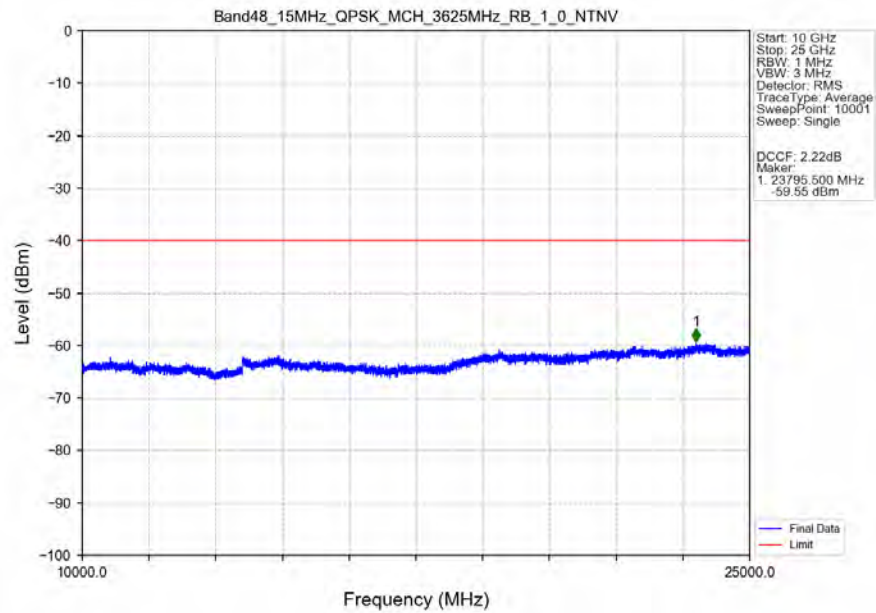


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.450	-53.00	-40	Pass
3530	3540	1	CHP	2	3539.550	-41.25	-25	Pass
3540	3549	1	CHP	3	3545.650	-35.59	-13	Pass
3549	3550	0.155	CHP	4	3549.950	-39.04	-13	Pass
3550	3565	0.155	CHP	/	/	/	/	/
3565	3566	0.155	CHP	5	3565.050	-41.70	-13	Pass
3566	3580	1	CHP	6	3566.500	-35.91	-13	Pass
3580	3720	1	CHP	7	3580.050	-46.73	-25	Pass
3720	3730	1	CHP	8	3727.800	-53.90	-40	Pass

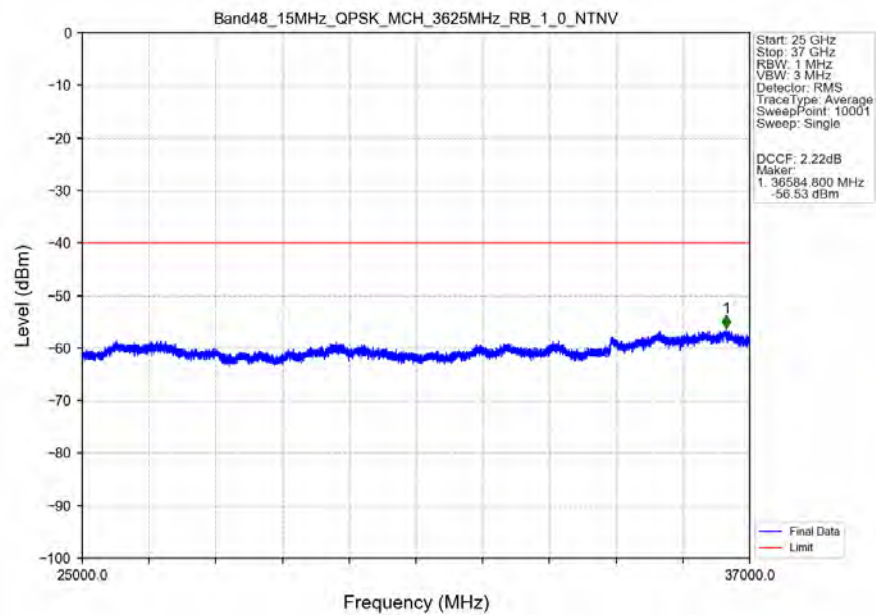
Band48 15MHz QPSK MCH 3625MHz RB 1 0 NTN



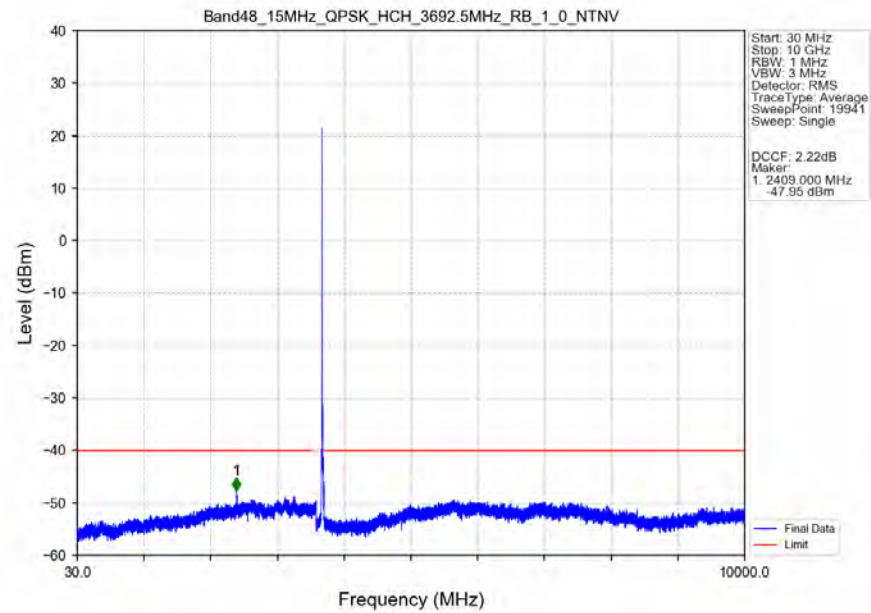
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



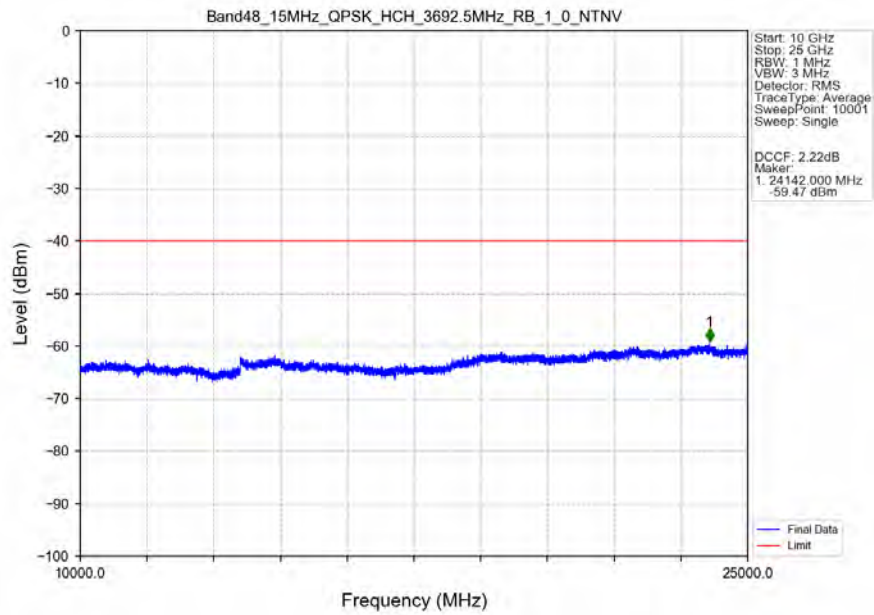
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



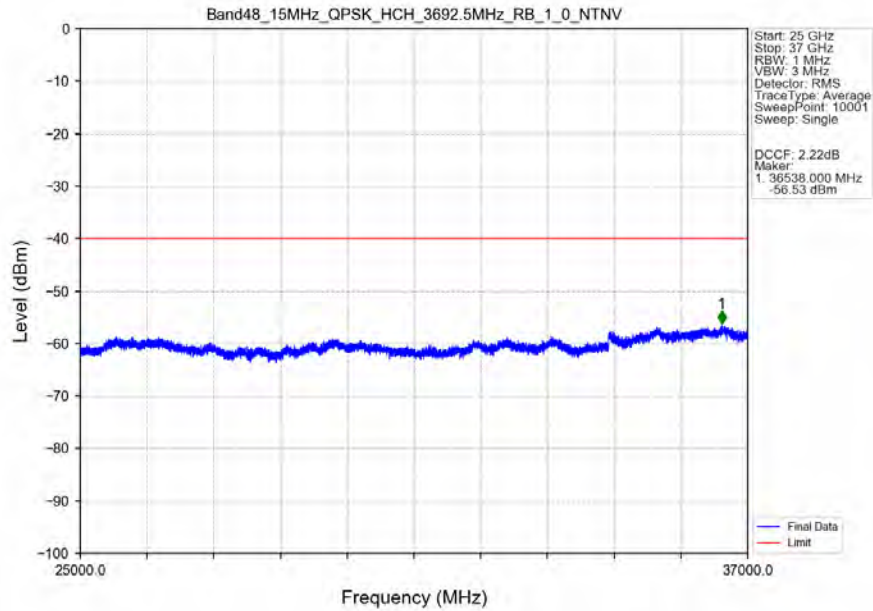
Band48 15MHz QPSK HCH 3692.5MHz RB 1 0 NTV



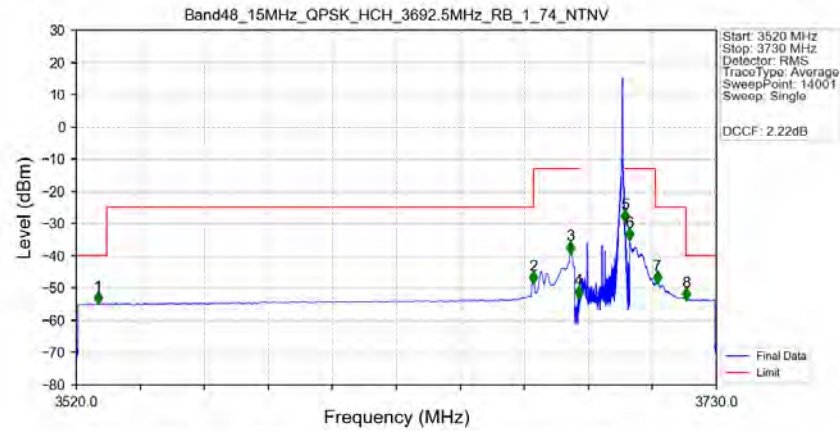
Band48 15MHz QPSK HCH 3692.5MHz_RB 1 0 NTV



Band48 15MHz QPSK HCH 3692.5MHz RB 1 0 NTV

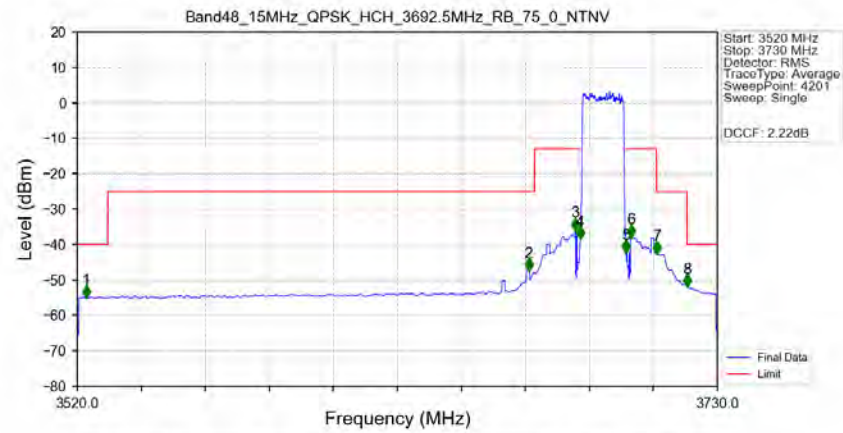


Band48 15MHz QPSK HCH 3692.5MHz RB 1 74 NTV



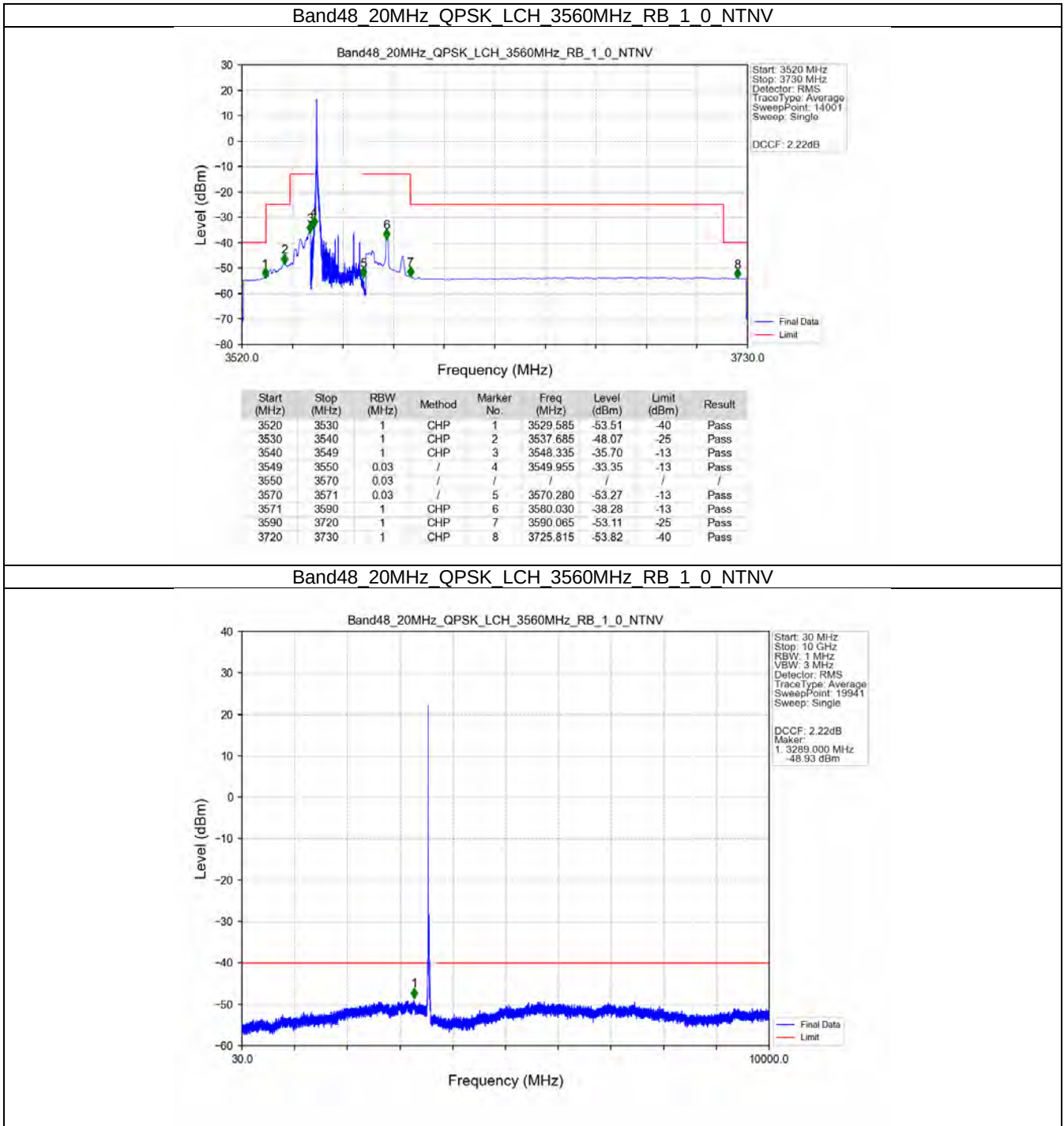
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3527.170	-54.80	-40	Pass
3530	3670	1	CHP	2	3669.040	-48.34	-25	Pass
3670	3684	1	CHP	3	3682.015	-39.10	-13	Pass
3684	3685	0.03	/	4	3684.835	-52.97	-13	Pass
3685	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.015	-29.44	-13	Pass
3701	3710	1	CHP	6	3701.500	-35.01	-13	Pass
3710	3720	1	CHP	7	3710.695	-48.37	-25	Pass
3720	3730	1	CHP	8	3720.010	-53.53	-40	Pass

Band48 15MHz QPSK HCH 3692.5MHz RB 75 0 NTV

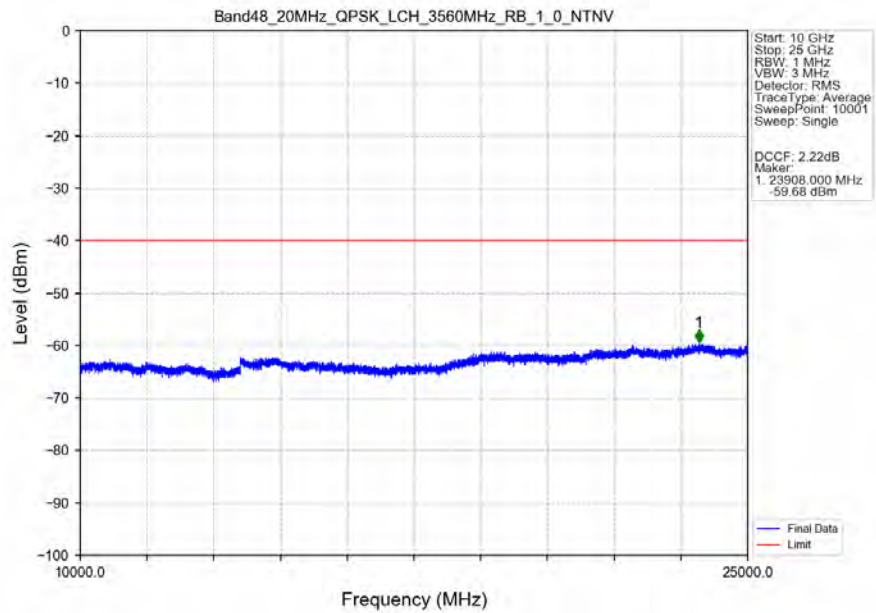


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.900	-54.80	-40	Pass
3530	3670	1	CHP	2	3668.100	-47.25	-25	Pass
3670	3684	1	CHP	3	3683.450	-35.75	-13	Pass
3684	3685	0.155	CHP	4	3684.950	-38.27	-13	Pass
3685	3700	0.155	CHP	/	/	/	/	/
3700	3701	0.155	CHP	5	3700.050	-42.05	-13	Pass
3701	3710	1	CHP	6	3701.650	-37.67	-13	Pass
3710	3720	1	CHP	7	3710.250	-42.40	-25	Pass
3720	3730	1	CHP	8	3720.050	-51.75	-40	Pass

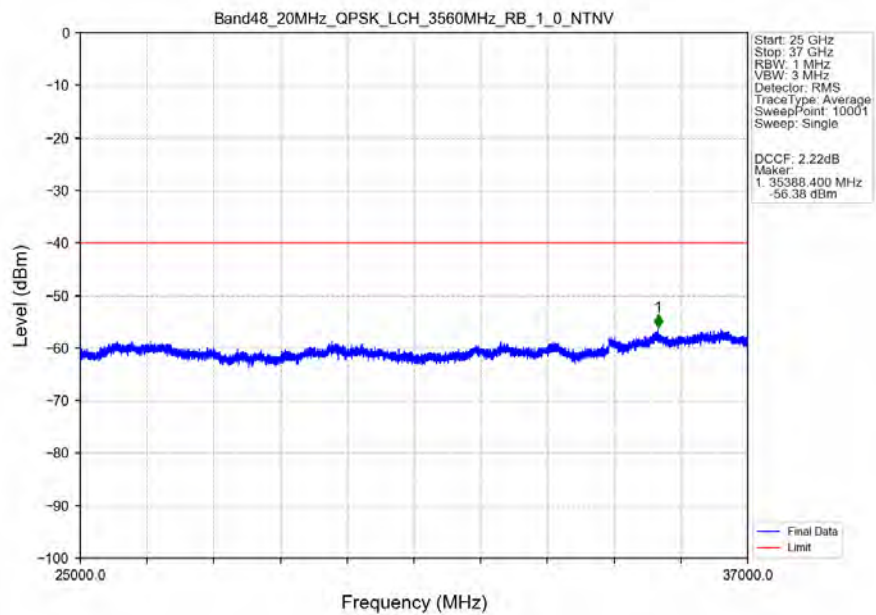
5.2.4 B48_20MHz



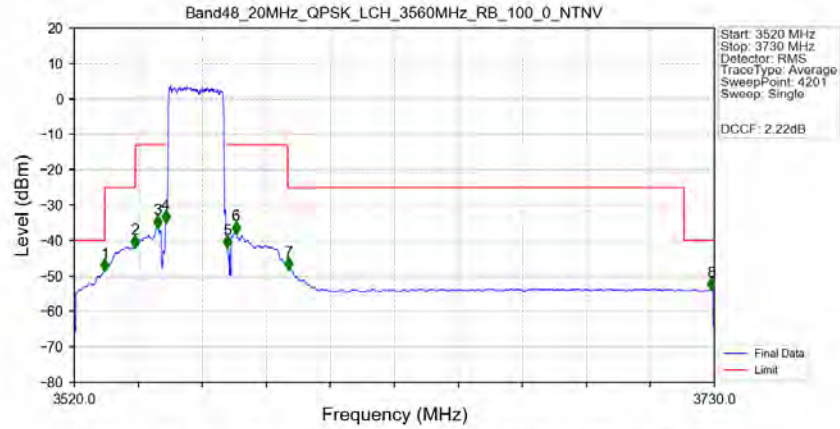
Band48 20MHz QPSK LCH 3560MHz RB 1 0 NTN



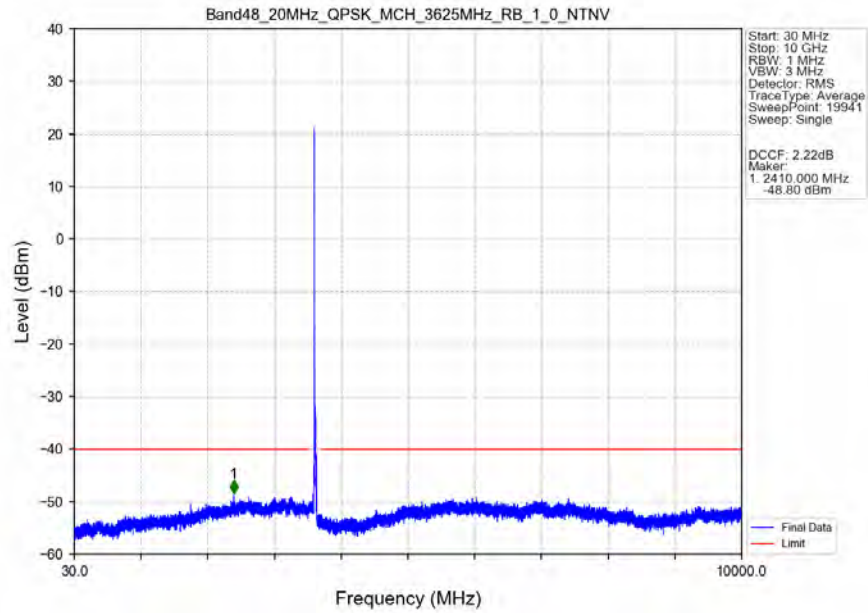
Band48 20MHz QPSK LCH 3560MHz RB 1 0 NTN



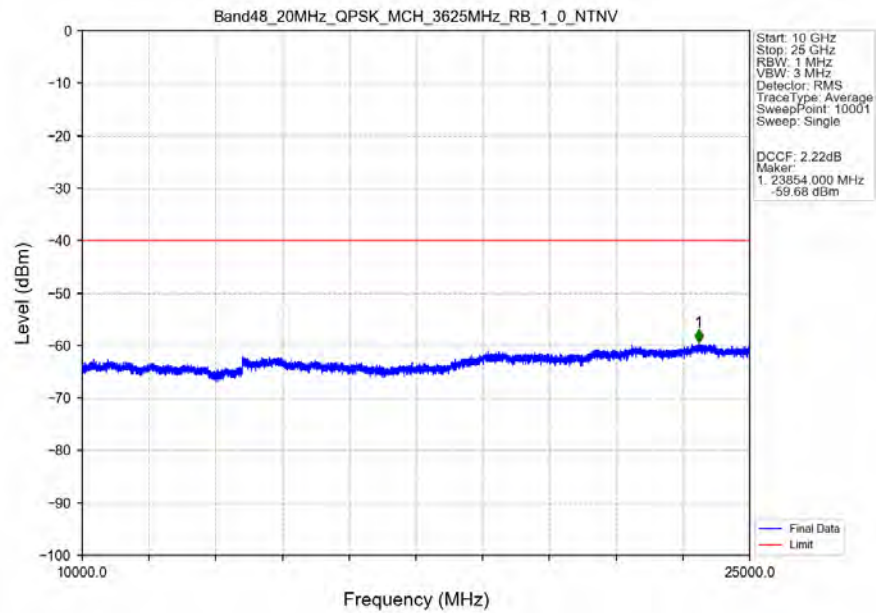
Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTNV



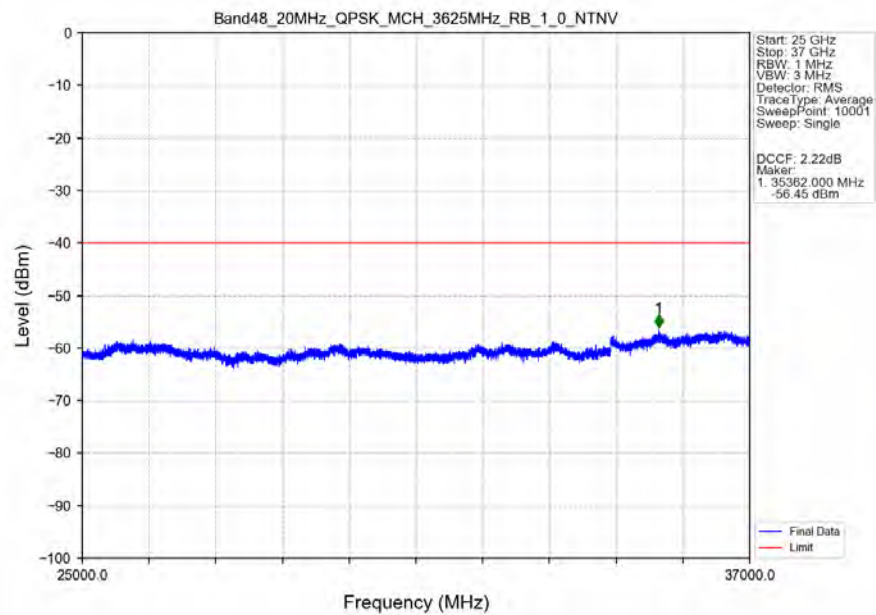
Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTNV



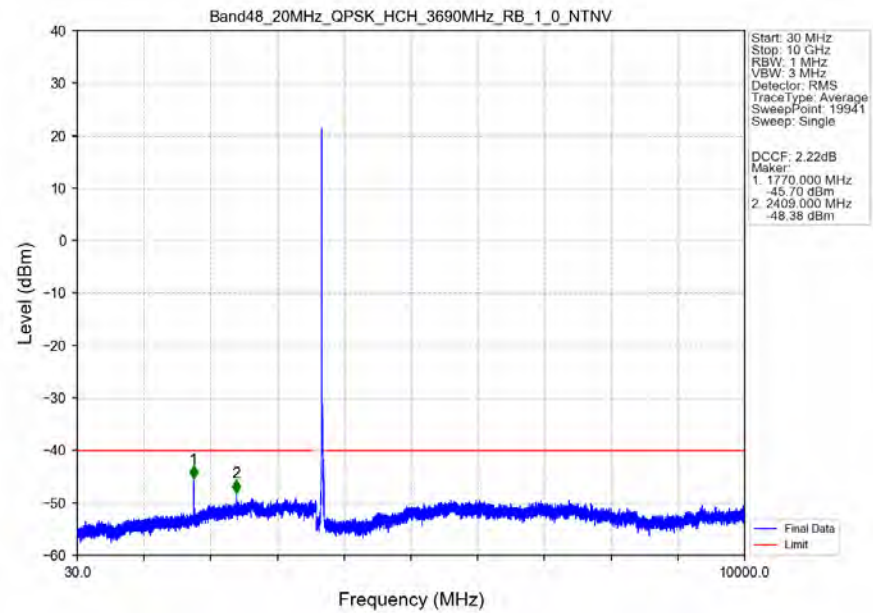
Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTV



Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTV



Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV

